

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
 Data File : VD063830.D  
 Acq On : 25 Sep 2019 18:48  
 Operator : VA/SY  
 Sample : VSTDIC075  
 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2019 9:26:14 AM

Quant Time: Sep 26 11:54:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 26 11:05:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 8.00  | 168  | 264643   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.88  | 114  | 424643   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.66 | 117  | 409467   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.59 | 152  | 224423   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.36   | 65  | 180017   | 72.24 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 144.48% |      |
| 35) Dibromofluoromethane  | 7.94   | 113 | 187332   | 69.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 138.98% |      |
| 50) Toluene-d8            | 10.36  | 98  | 749000   | 73.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 147.62% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 260889   | 71.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 143.28% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 126440  | 69.664  | ug/l | 96     |
| 3) Chloromethane              | 2.22 | 50  | 312097  | 56.744  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.36 | 62  | 346379  | 61.708  | ug/l | 93     |
| 5) Bromomethane               | 2.77 | 94  | 212912  | 64.829  | ug/l | 99     |
| 6) Chloroethane               | 2.94 | 64  | 216792  | 56.080  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.29 | 101 | 462479  | 61.282  | ug/l | 97     |
| 8) Diethyl Ether              | 3.72 | 74  | 77335   | 62.846  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.11 | 101 | 142604  | 63.699  | ug/l | 99     |
| 10) Methyl Iodide             | 4.31 | 142 | 200310  | 74.943  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.28 | 59  | 59373   | 307.531 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 4.08 | 96  | 144530  | 63.956  | ug/l | 92     |
| 13) Acrolein                  | 3.94 | 56  | 83466   | 355.098 | ug/l | 99     |
| 14) Allyl chloride            | 4.73 | 41  | 226107  | 63.299  | ug/l | 98     |
| 15) Acrylonitrile             | 5.46 | 53  | 183614  | 337.761 | ug/l | 96     |
| 16) Acetone                   | 4.19 | 43  | 173919  | 310.926 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.42 | 76  | 500936  | 65.574  | ug/l | 98     |
| 18) Methyl Acetate            | 4.74 | 43  | 83261   | 60.456  | ug/l | 95     |
| 19) Methyl tert-butyl Ether   | 5.51 | 73  | 380594  | 67.269  | ug/l | 97     |
| 20) Methylene Chloride        | 4.99 | 84  | 186119  | 55.302  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 5.50 | 96  | 172431  | 65.553  | ug/l | 92     |
| 22) Diisopropyl ether         | 6.39 | 45  | 471178  | 63.866  | ug/l | 98     |
| 23) Vinyl Acetate             | 6.34 | 43  | 1427445 | 327.122 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 6.29 | 63  | 296266  | 66.099  | ug/l | 97     |
| 25) 2-Butanone                | 7.24 | 43  | 231357  | 316.381 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 7.23 | 77  | 263376  | 62.832  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 7.23 | 96  | 197361  | 66.866  | ug/l | 99     |
| 28) Bromochloromethane        | 7.57 | 49  | 126911  | 72.158  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.59 | 42  | 139830  | 319.127 | ug/l | 98     |
| 30) Chloroform                | 7.73 | 83  | 321438  | 66.026  | ug/l | 96     |
| 31) Cyclohexane               | 8.00 | 56  | 263622  | 58.921  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.93 | 97  | 285991  | 64.967  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 8.13 | 75  | 244388  | 63.094  | ug/l | 98     |
| 37) Ethyl Acetate             | 7.33 | 43  | 98739   | 61.037  | ug/l | 95     |
| 38) Carbon Tetrachloride      | 8.11 | 117 | 263680  | 65.405  | ug/l | 98     |

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 Misc : 5.00g/5.00mL/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

Manual Integrations  
 APPROVED

MMDadoda  
 10/1/2019 9:26:14 AM

Quant Time: Sep 26 11:54:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 26 11:05:05 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.37  | 83   | 301787   | 62.573   | ug/l   | 98       |
| 40) Benzene                    | 8.37  | 78   | 692268   | 64.896   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.55  | 41   | 58144    | 60.858   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.45  | 62   | 200648   | 64.324   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.48  | 43   | 202633   | 62.482   | ug/l   | 99       |
| 44) Trichloroethene            | 9.13  | 130  | 202511   | 65.554   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.41  | 63   | 170142   | 64.568   | ug/l   | 93       |
| 46) Dibromomethane             | 9.50  | 93   | 99706    | 67.039   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.68  | 83   | 256108   | 66.799   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.47  | 41   | 93838    | 63.619   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.48  | 88   | 26473    | 1275.919 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.25 | 43   | 513052   | 314.030  | ug/l   | 97       |
| 52) Toluene                    | 10.42 | 92   | 471847   | 65.236   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.64 | 75   | 257607   | 67.785   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 289886   | 67.199   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.81 | 97   | 134092   | 63.806   | ug/l   | 92       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 175748   | 65.797   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.96 | 76   | 234758   | 65.744   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.96  | 63   | 410099   | 343.513  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.00 | 43   | 375771   | 322.357  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.16 | 129  | 186635   | 67.295   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.26 | 107  | 139836   | 66.560   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.89 | 164  | 182551   | 66.185   | ug/l   | 94       |
| 65) Chlorobenzene              | 11.68 | 112  | 547046   | 66.416   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.76 | 131  | 206288   | 68.148   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.76 | 91   | 976736   | 65.649   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.87 | 106  | 759007   | 132.847  | ug/l   | 99       |
| 69) o-Xylene                   | 12.20 | 106  | 360306   | 66.814   | ug/l   | 99       |
| 70) Styrene                    | 12.21 | 104  | 619999   | 67.933   | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 123194   | 73.261   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.49 | 105  | 971048   | 63.348   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.30 | 43   | 204730   | 61.011   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 160495   | 62.815   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.80 | 75   | 108833m  | 76.466   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 242211   | 65.748   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 1133061  | 62.828   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.92 | 91   | 627980   | 64.559   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 824781   | 64.544   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 53129    | 62.353   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.02 | 91   | 646563   | 62.310   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.24 | 119  | 715351   | 64.068   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.28 | 105  | 844778   | 65.119   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 995325   | 64.063   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 953220   | 65.327   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 479653   | 66.314   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.61 | 146  | 465897   | 64.765   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.86 | 91   | 874331   | 62.958   | ug/l   | 99       |
| 90) Hexachloroethane           | 14.13 | 117  | 180056   | 66.621   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 410006   | 66.084   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 27420    | 63.604   | ug/l   | 99       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092519\  
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Acq On : 25 Sep 2019 18:48  
Operator : VA/SY  
Sample : VSTDICC075  
Misc : 5.00g/5.00mL/MSVOA D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC075

Manual Integrations  
APPROVED

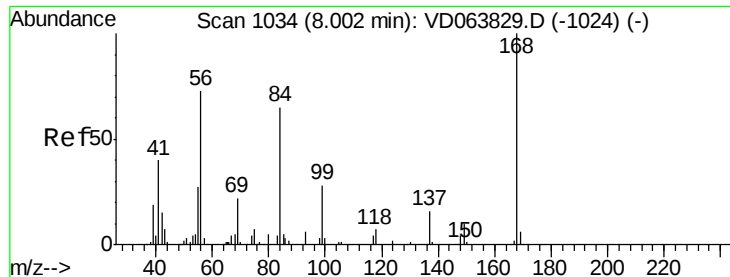
MMDadoda  
10/1/2019 9:26:14 AM

Quant Time: Sep 26 11:54:35 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Sep 26 11:05:05 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 319605   | 67.834 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 183001   | 68.550 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 563472   | 66.596 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 279302   | 66.864 | ug/l  | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 264643

Ion Ratio Lower Upper

168 100

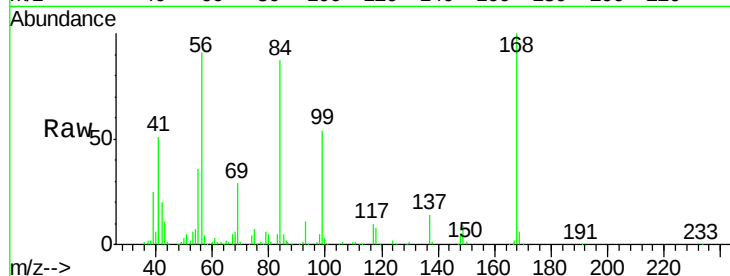
99 54.1 41.2 61.8

Manual Integrations

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10/1/2019 9:26:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

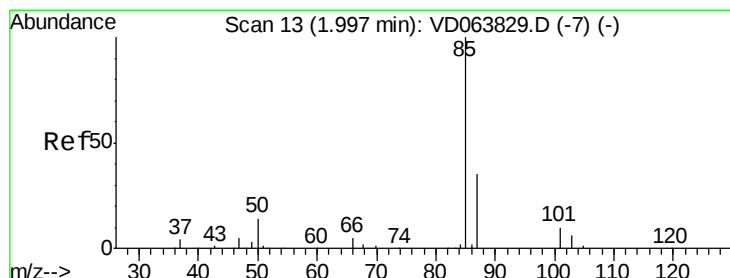
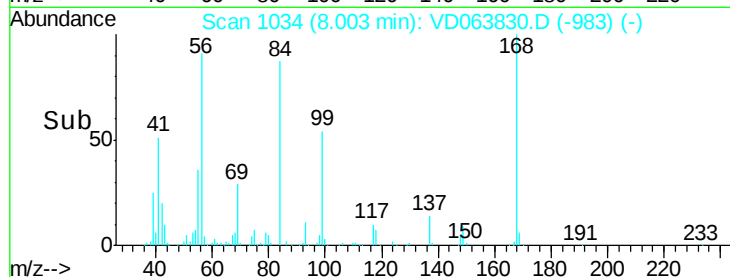
8.00

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#2

Dichlorodifluoromethane

Concen: 69.664 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063830.D

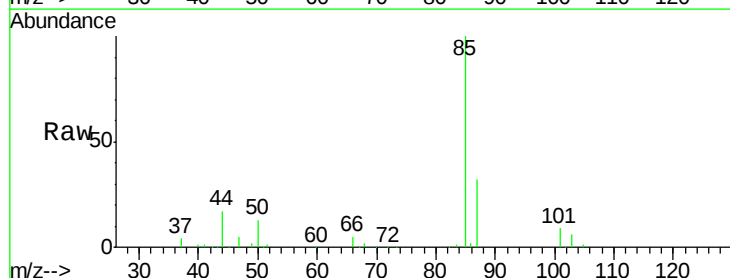
Acq: 25 Sep 2019 18:48

Tgt Ion: 85 Resp: 126440

Ion Ratio Lower Upper

85 100

87 32.4 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

100000

80000

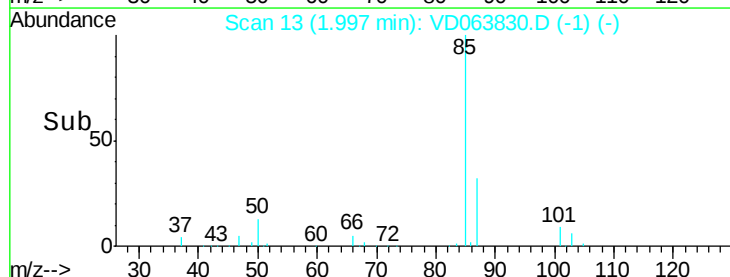
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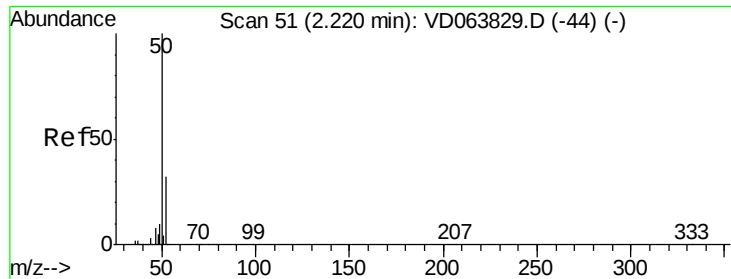
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 56.744 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 312097

Ion Ratio Lower Upper

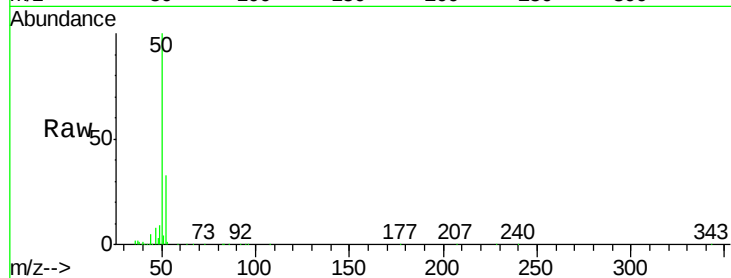
50 100

52 32.6 25.6 38.4

Manual Integrations  
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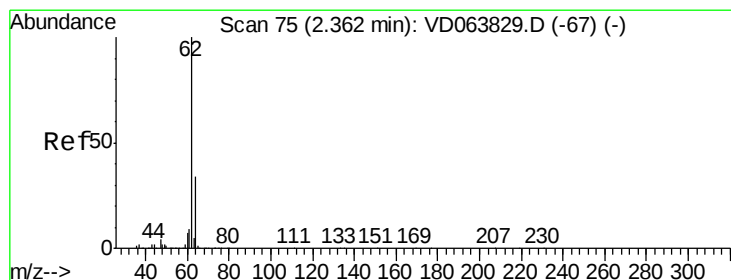
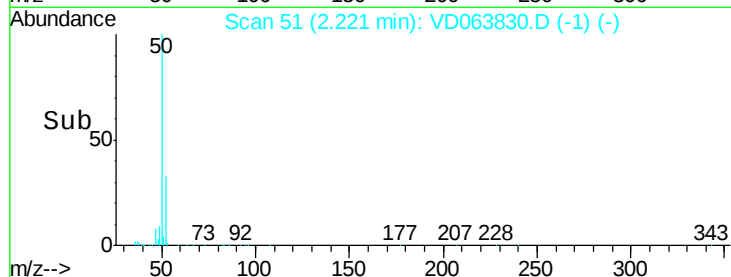
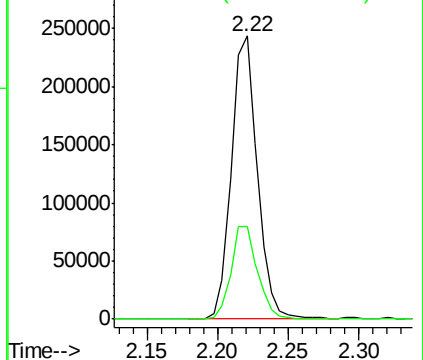
MMDadoda

10/1/2019 9:26:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 61.708 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063830.D

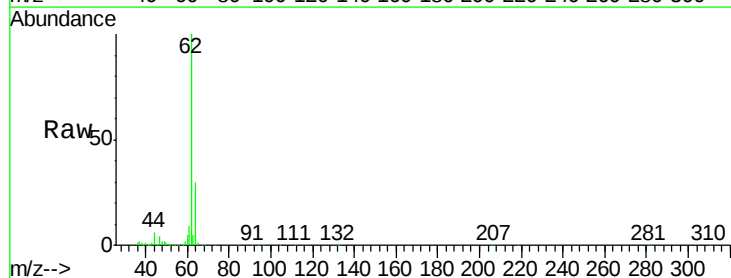
Acq: 25 Sep 2019 18:48

Tgt Ion: 62 Resp: 346379

Ion Ratio Lower Upper

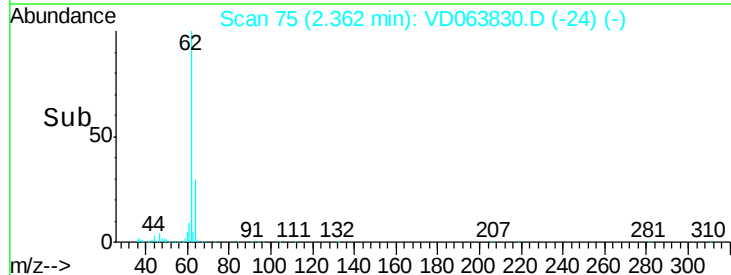
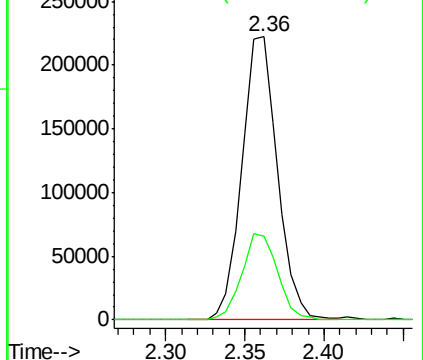
62 100

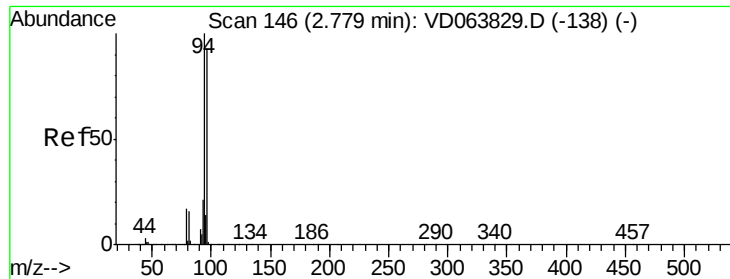
64 29.6 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 64.829 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 212912

Ion Ratio Lower Upper

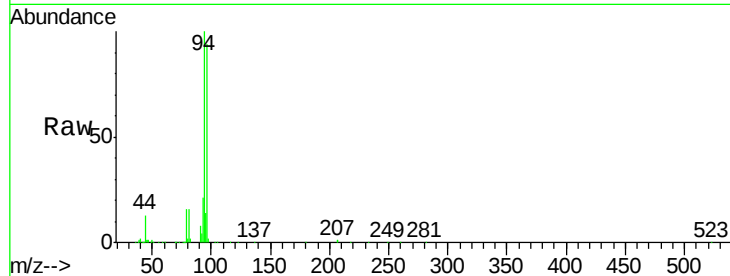
94 100

96 93.6 74.2 111.2

Manual Integrations  
APPROVED

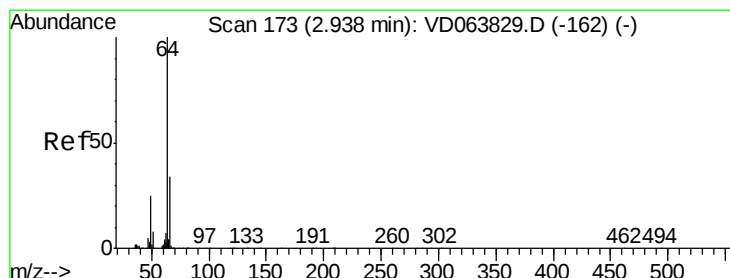
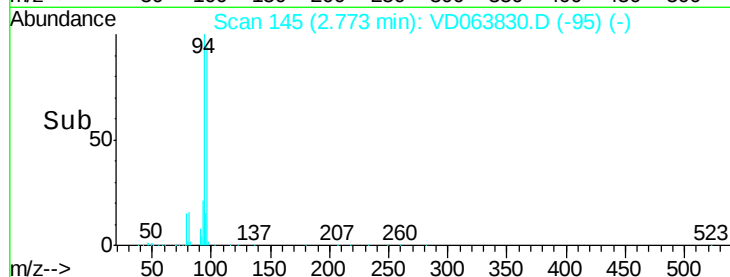
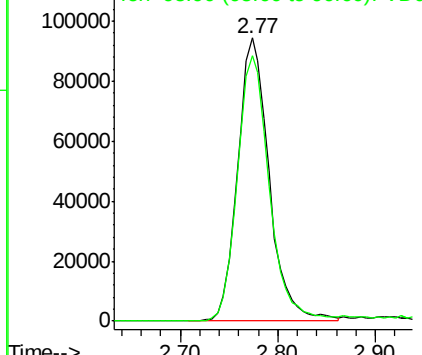
MMDadoda

10/1/2019 9:26:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.080 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063830.D

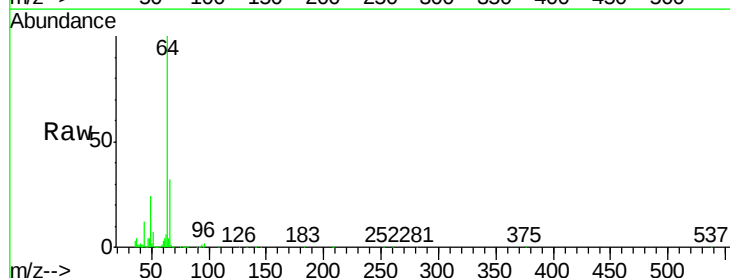
Acq: 25 Sep 2019 18:48

Tgt Ion: 64 Resp: 216792

Ion Ratio Lower Upper

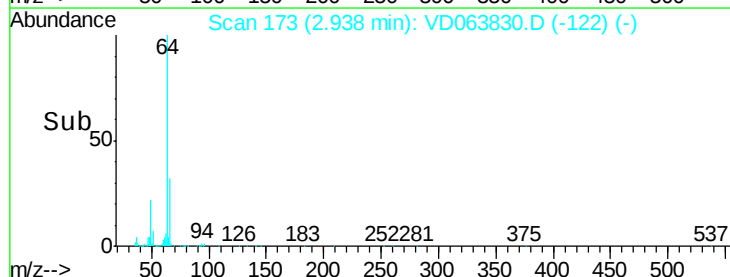
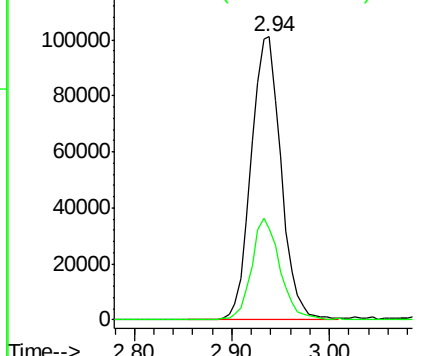
64 100

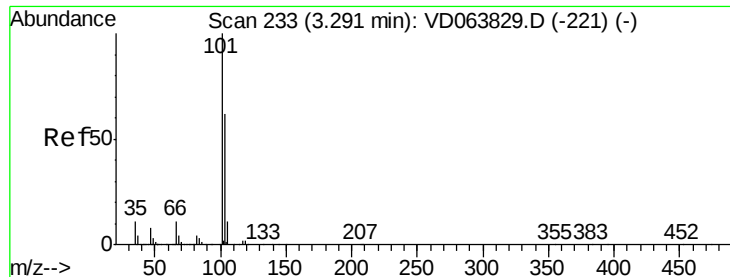
66 32.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

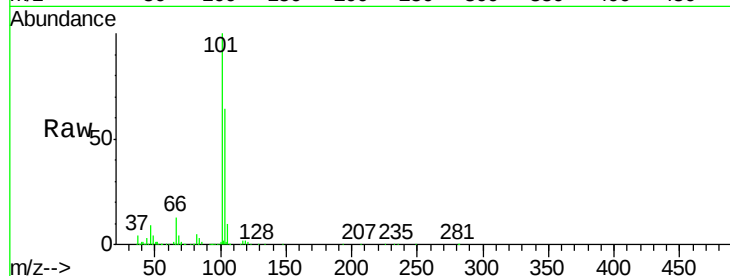
Trichlorofluoromethane  
Concen: 61.282 ug/l  
RT: 3.29 min Scan# 232  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

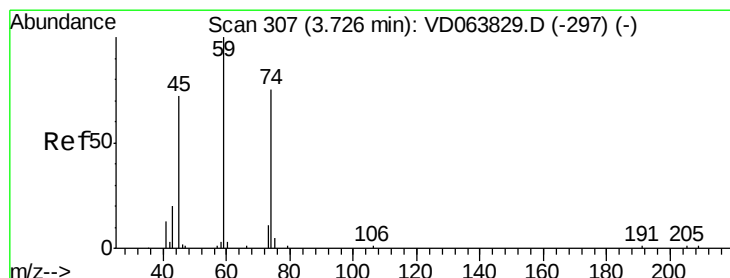
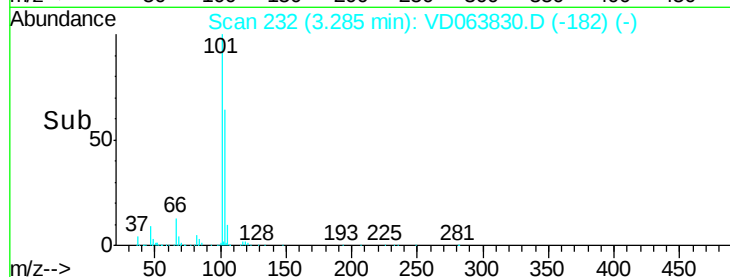
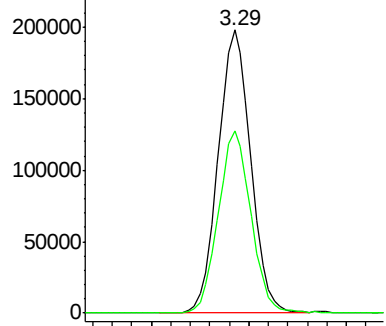
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 49.8  | 74.8  |

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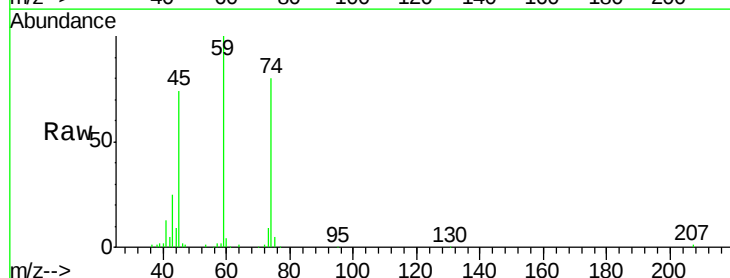
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



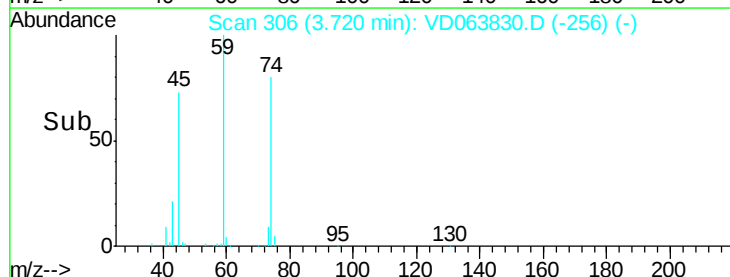
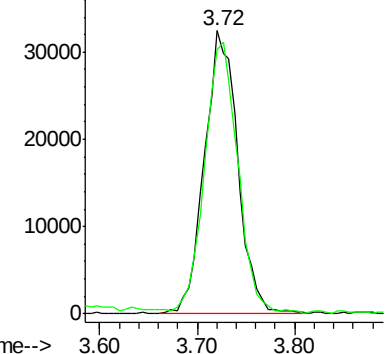
#8

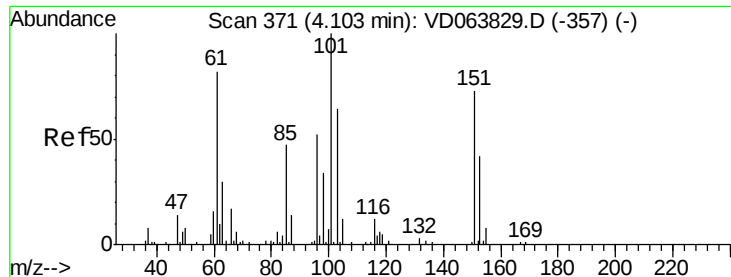
Diethyl Ether  
Concen: 62.846 ug/l  
RT: 3.72 min Scan# 306  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.6  | 48.9  | 146.8 |



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.699 ug/l

RT: 4.11 min Scan# 372

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

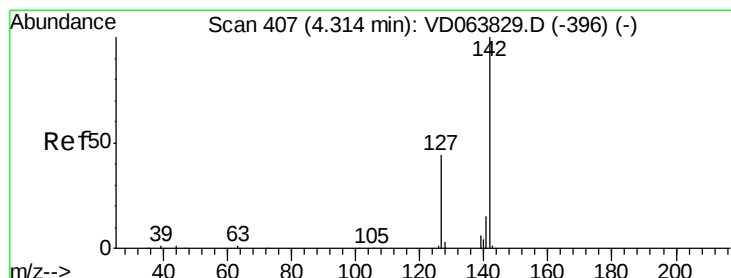
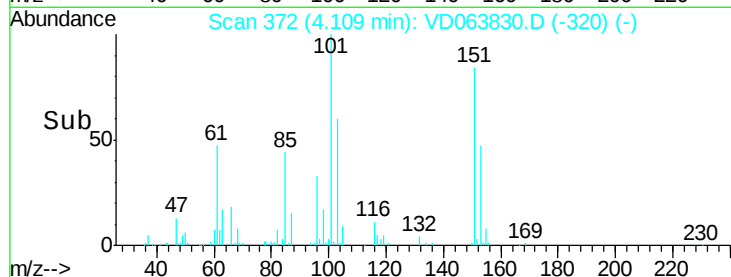
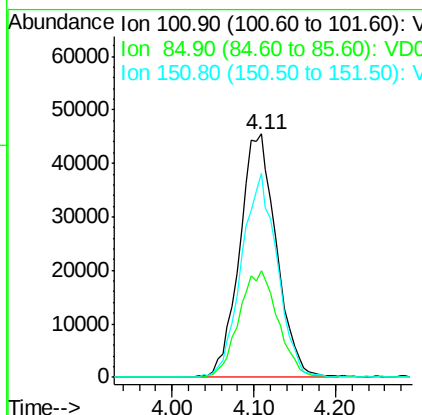
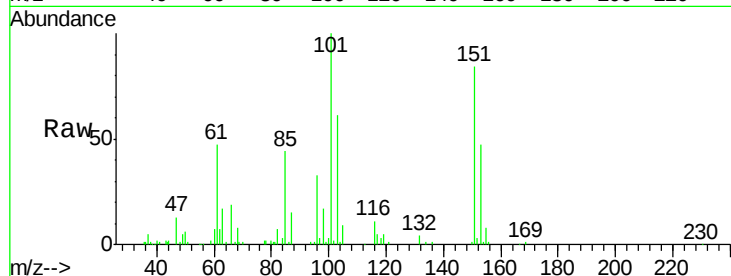
ClientSampleId :

VSTDIC075

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 142604 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 46.3  | 37.8  | 56.6   |
| 151       | 81.2  | 64.2  | 96.2   |

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#10

Methyl Iodide

Concen: 74.943 ug/l

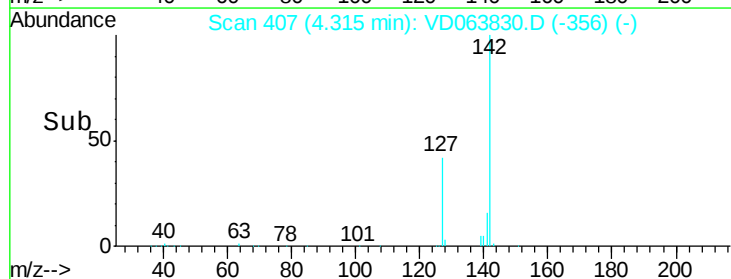
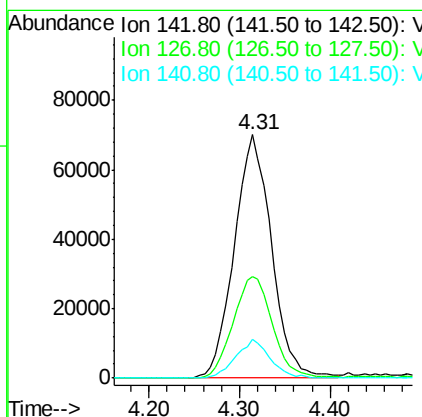
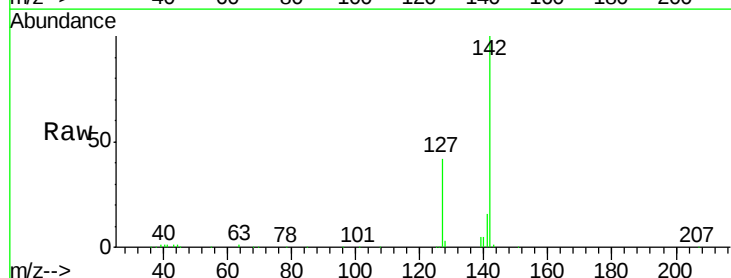
RT: 4.31 min Scan# 407

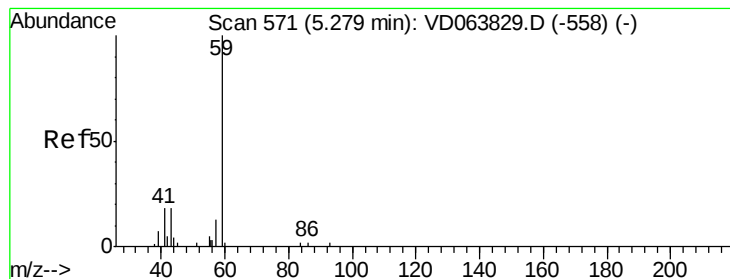
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 200310 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.0  | 35.8  | 53.6   |
| 141       | 14.8  | 11.9  | 17.9   |





#11

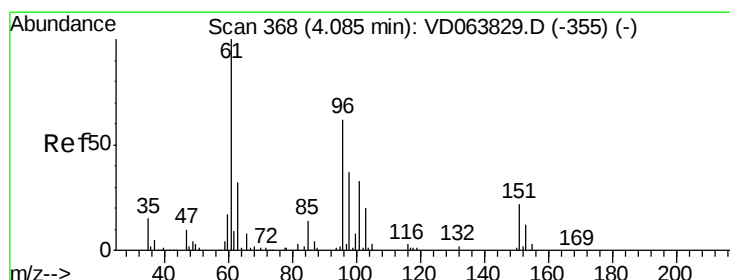
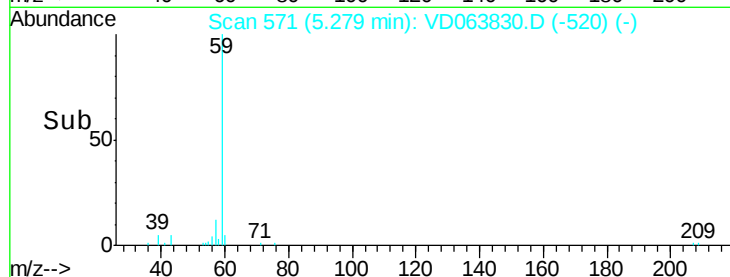
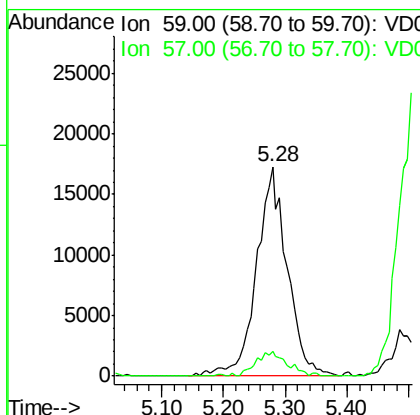
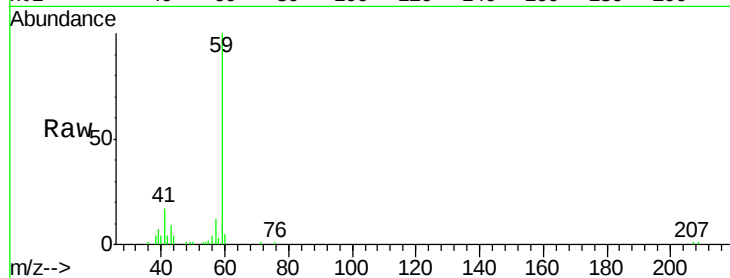
Tert butyl alcohol  
Concen: 307.531 ug/l  
RT: 5.28 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 11.7  | 8.3   | 12.5  |

Manual Integrations  
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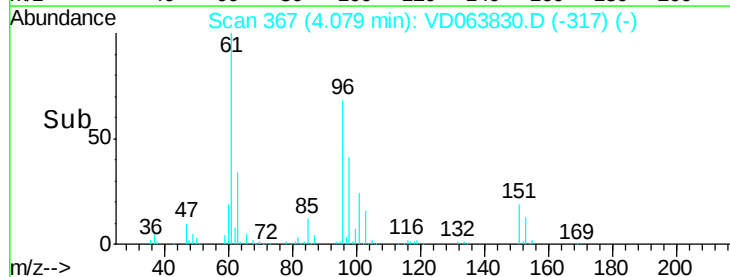
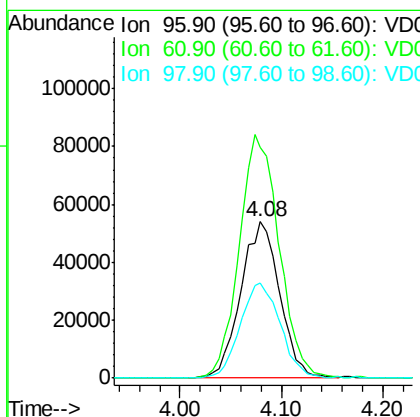
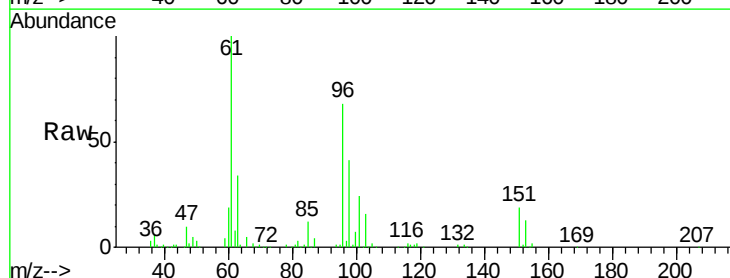
MMDadoda  
10/1/2019 9:26:14 AM

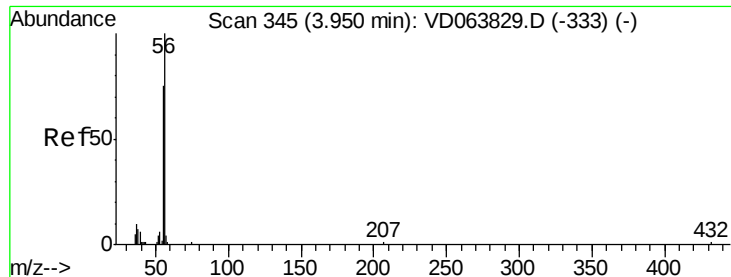


#12

1,1-Dichloroethene  
Concen: 63.956 ug/l  
RT: 4.08 min Scan# 367  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.1 | 129.0 | 193.4 |
| 98      | 60.8  | 47.8  | 71.6  |





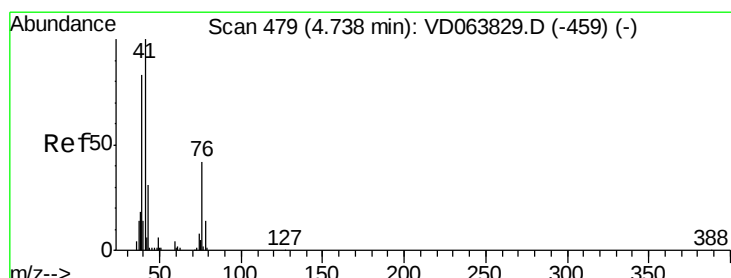
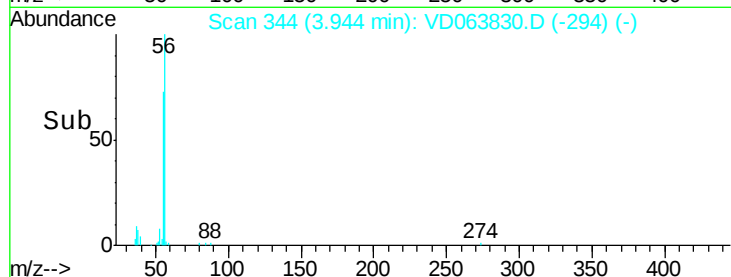
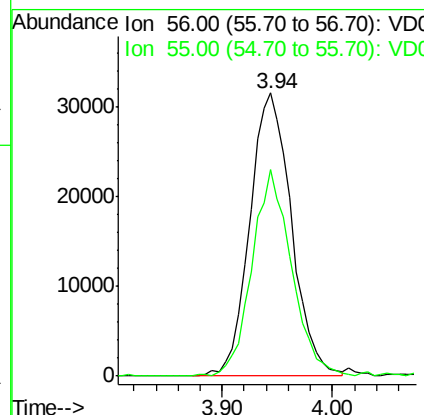
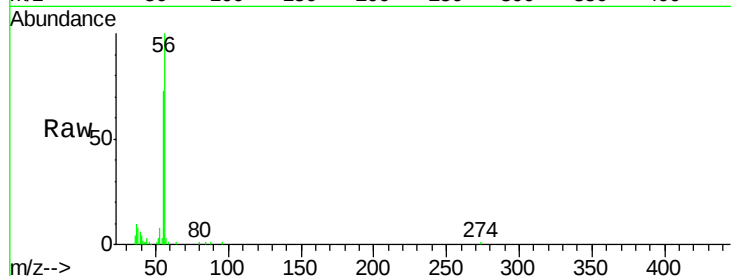
#13  
Acrolein  
Concen: 355.098 ug/l  
RT: 3.94 min Scan# 344  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | 56  | 55   | Ratio | 100 | 69.3 | Resp: | 83466 | Lower | Upper |
|---------|-----|------|-------|-----|------|-------|-------|-------|-------|
| 56      | 100 |      |       |     |      |       |       |       |       |
| 55      |     | 69.3 |       |     |      |       |       | 55.0  | 82.6  |

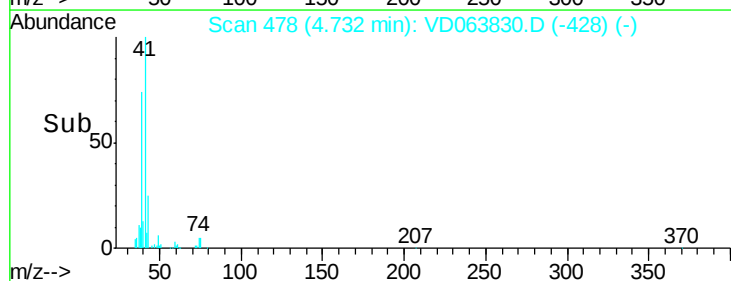
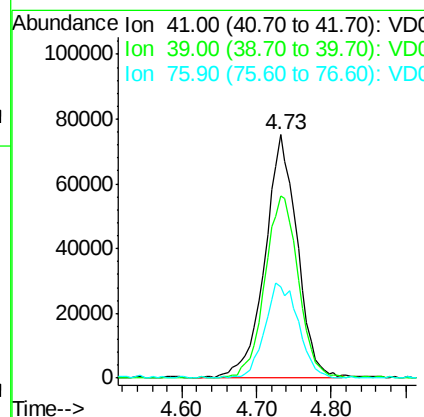
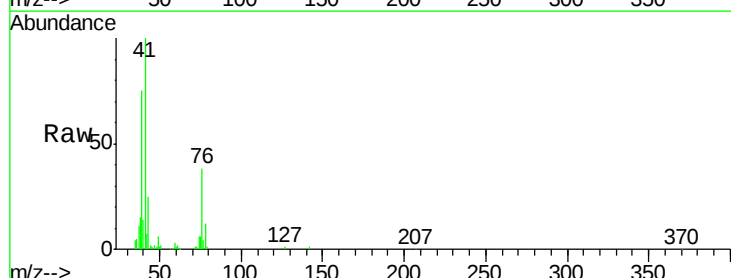
Manual Integrations  
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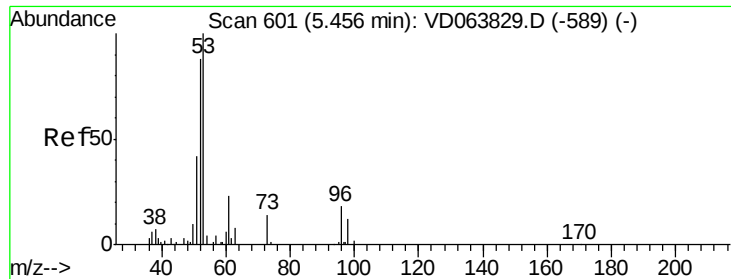
MMDadoda  
10/1/2019 9:26:14 AM



#14  
Allyl chloride  
Concen: 63.299 ug/l  
RT: 4.73 min Scan# 478  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | 41  | 39   | 76 | Ratio | 100 | 77.5 | 40.7 | Resp: | 226107 | Lower | Upper |
|---------|-----|------|----|-------|-----|------|------|-------|--------|-------|-------|
| 41      | 100 |      |    |       |     |      |      |       |        |       |       |
| 39      |     | 77.5 |    |       |     |      |      |       |        | 63.7  | 95.5  |
| 76      |     | 40.7 |    |       |     |      |      |       |        | 33.5  | 50.3  |





#15

Acrylonitrile

Concen: 337.761 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

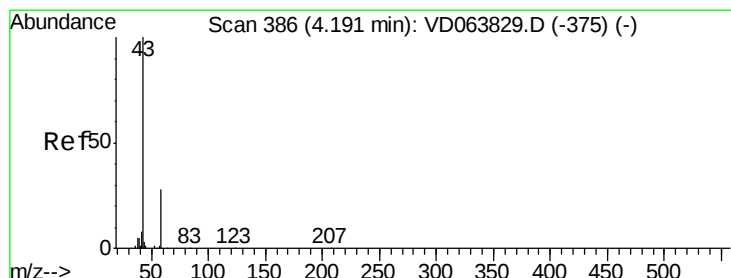
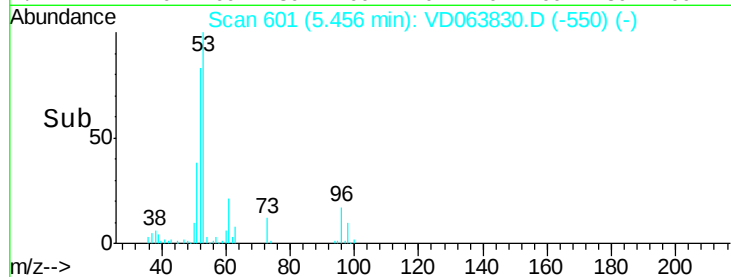
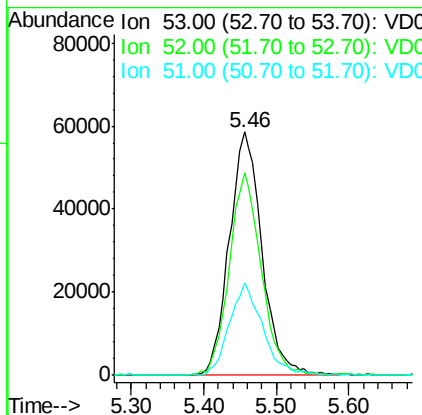
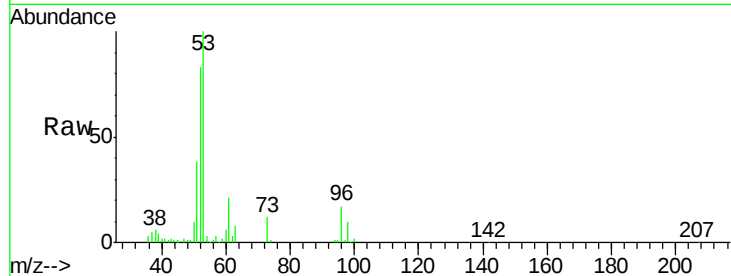
ClientSampleId :

VSTDIC075

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 183614 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.2  | 68.7  | 103.1  |
| 51        | 38.4  | 30.7  | 46.1   |

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#16

Acetone

Concen: 310.926 ug/l

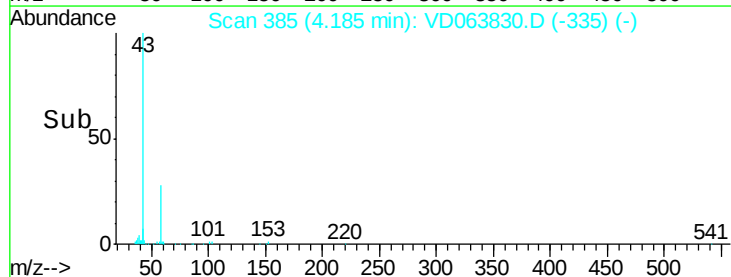
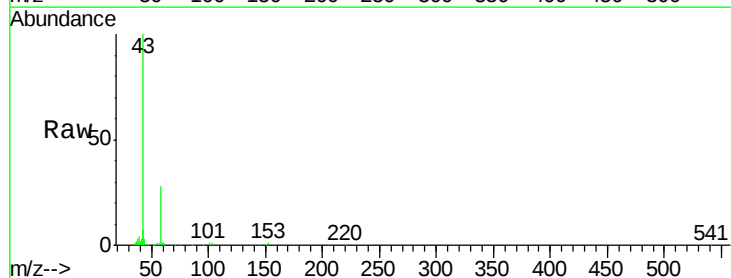
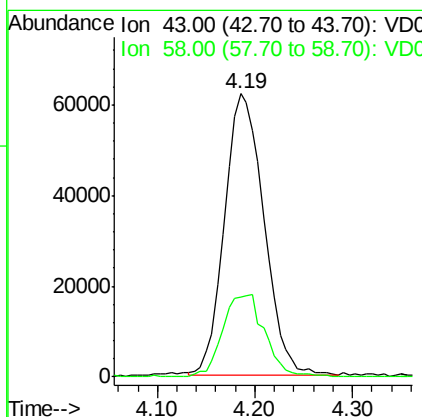
RT: 4.19 min Scan# 385

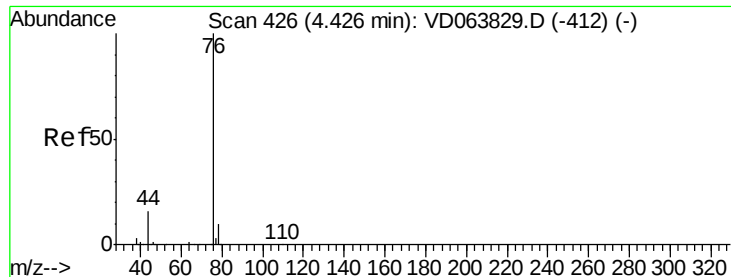
Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 173919 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 28.6  | 22.6  | 34.0   |





#17

Carbon Disulfide

Concen: 65.574 ug/l

RT: 4.42 min Scan# 425

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 500936

Ion Ratio Lower Upper

76 100

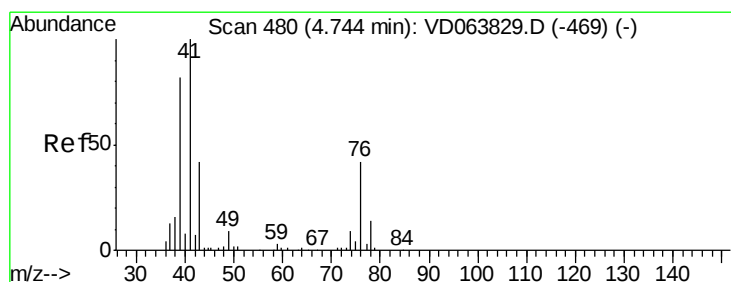
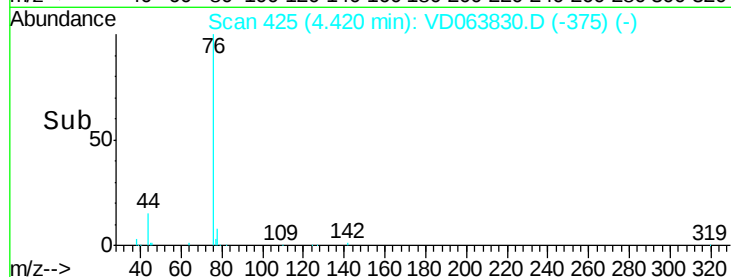
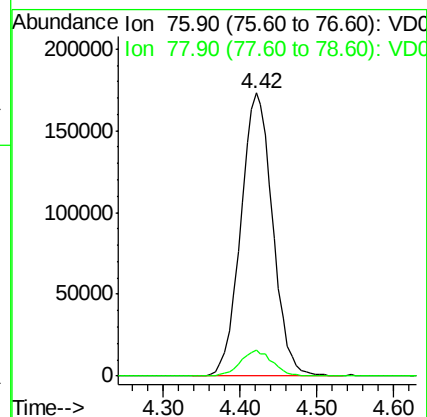
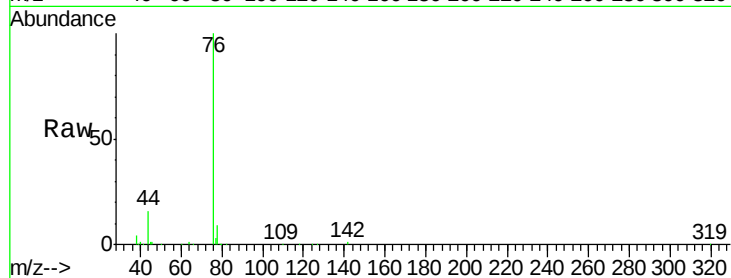
78 9.0 7.9 11.9

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#18

Methyl Acetate

Concen: 60.456 ug/l

RT: 4.74 min Scan# 480

Delta R.T. 0.00 min

Lab File: VD063830.D

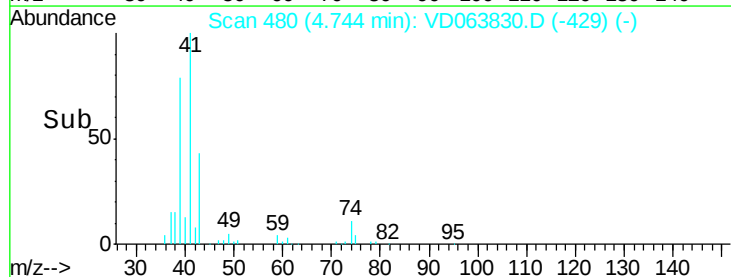
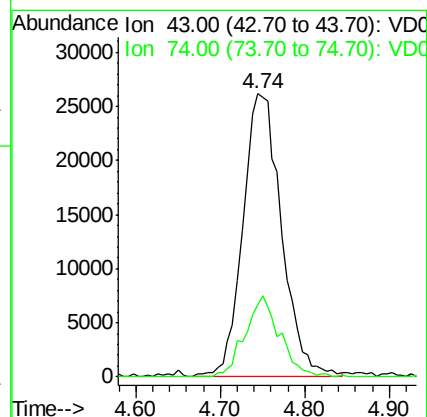
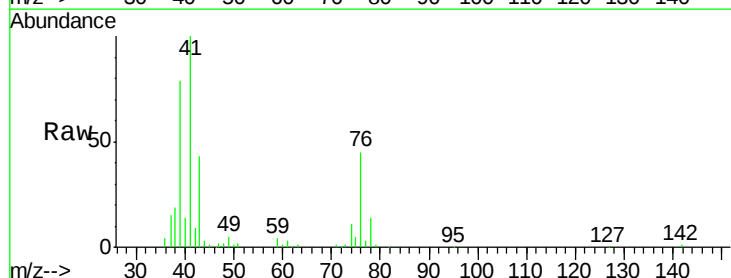
Acq: 25 Sep 2019 18:48

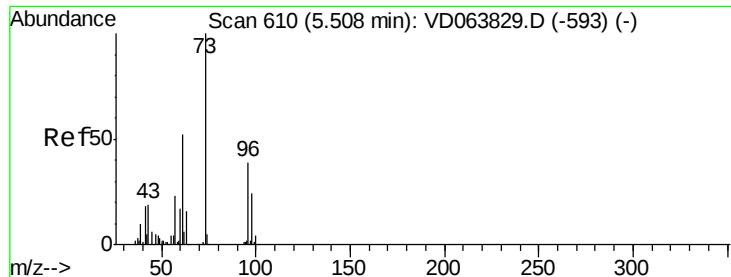
Tgt Ion: 43 Resp: 83261

Ion Ratio Lower Upper

43 100

74 25.8 18.6 28.0





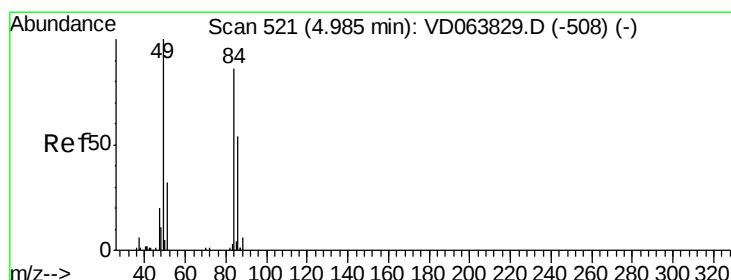
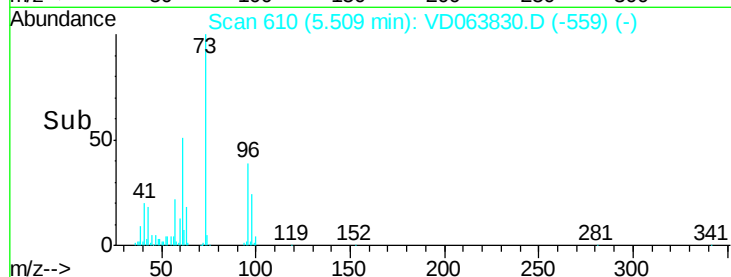
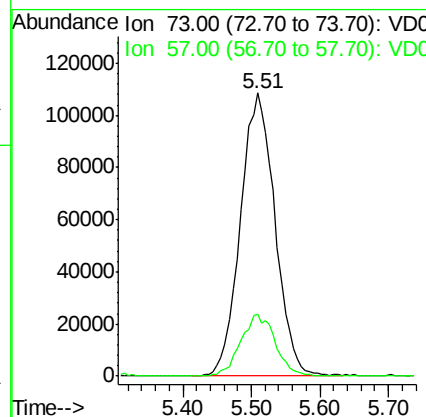
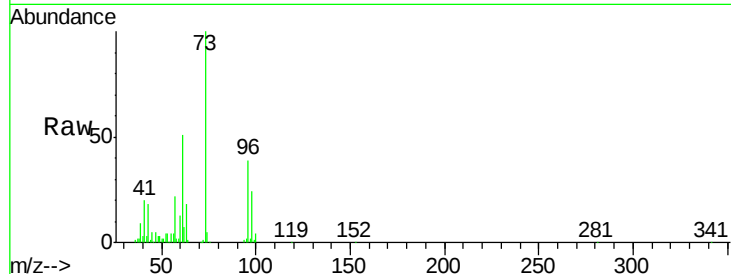
#19  
Methvl tert-butvl Ether  
Concen: 67.269 ug/l  
RT: 5.51 min Scan# 610  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

Tot Ion: 73 Resp: 380594  
Ion Ratio Lower Upper  
73 100  
57 21.8 18.7 28.1

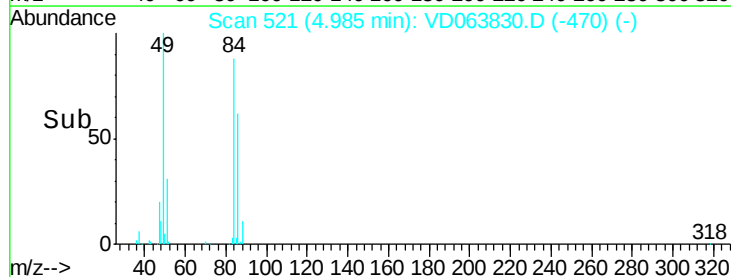
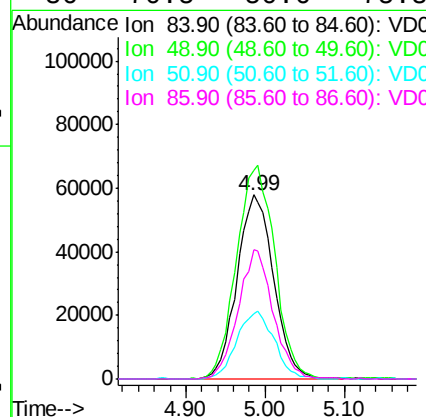
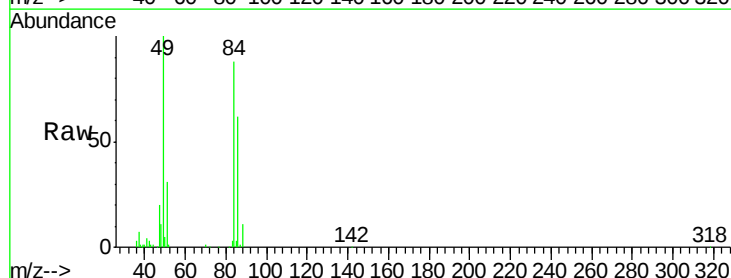
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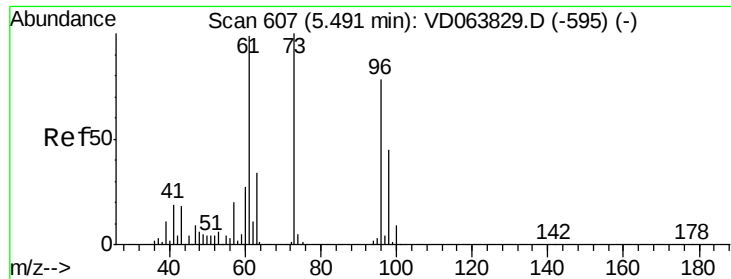
MMDadoda  
10/1/2019 9:26:14 AM



#20  
Methylene Chloride  
Concen: 55.302 ug/l  
RT: 4.99 min Scan# 521  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Tgt Ion: 84 Resp: 186119  
Ion Ratio Lower Upper  
84 100  
49 113.4 93.6 140.4  
51 35.6 29.8 44.6  
86 70.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 65.553 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

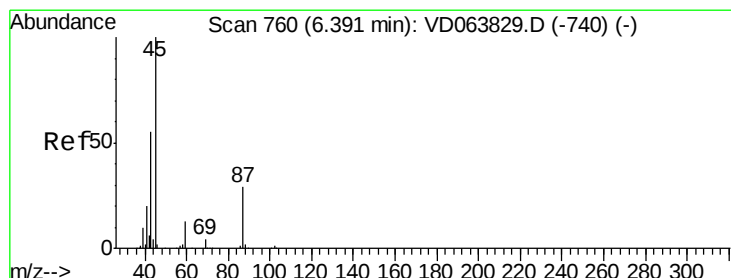
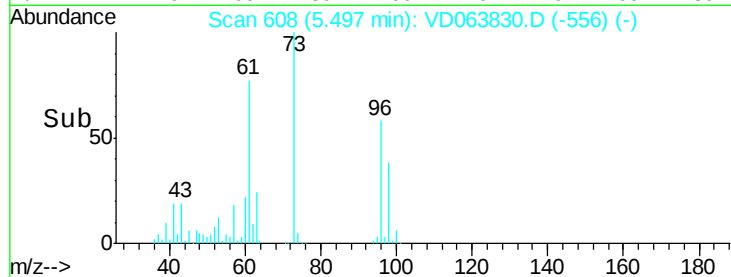
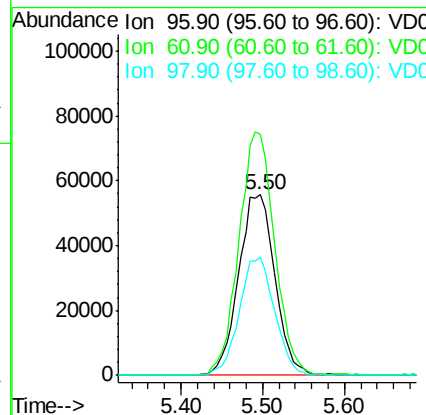
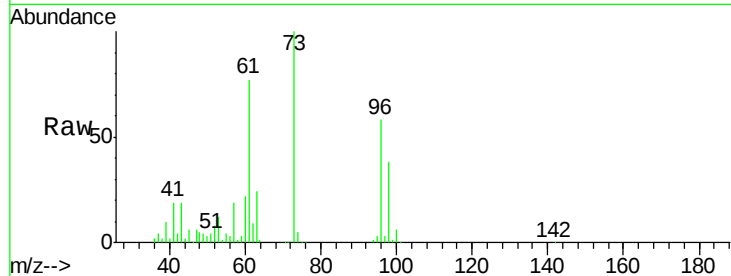
ClientSampleId :

VSTDIC075

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 172431 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.3 | 101.3 | 151.9  |
| 98       | 65.6  | 45.4  | 68.2   |

Manual Integrations  
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10/1/2019 9:26:14 AM



#22

Diisopropyl ether

Concen: 63.866 ug/l

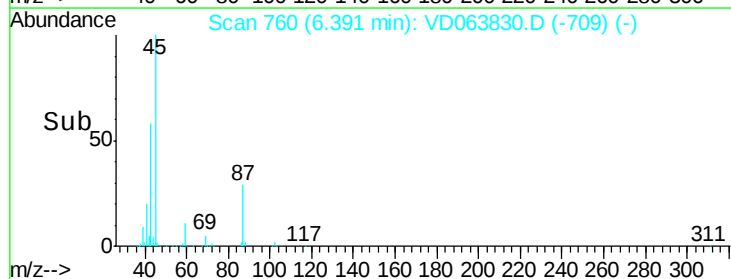
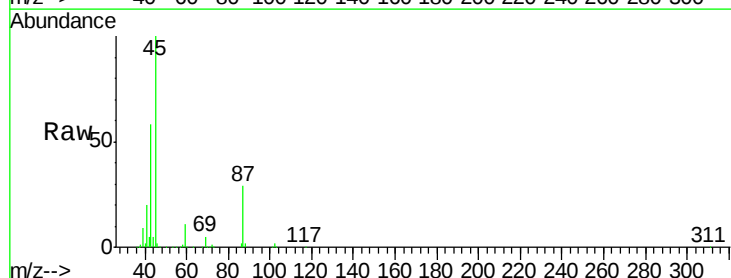
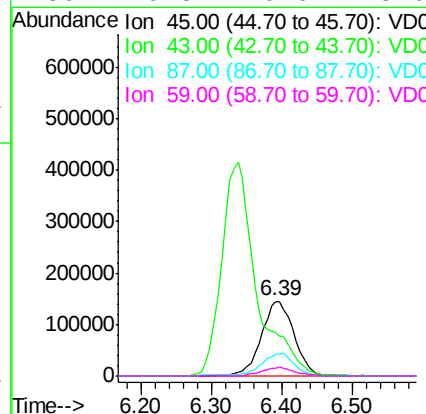
RT: 6.39 min Scan# 760

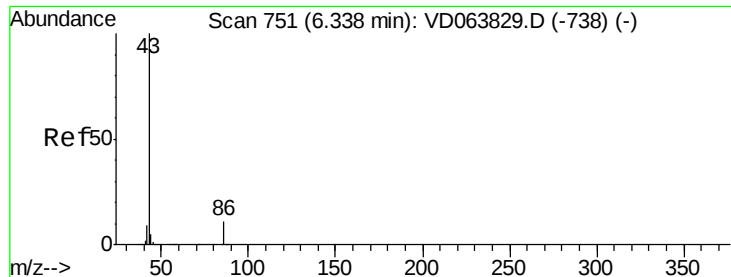
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 471178 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.9  | 44.2  | 66.2   |
| 87       | 29.2  | 23.9  | 35.9   |
| 59       | 10.8  | 10.0  | 15.0   |





#23

Vinyl Acetate

Concen: 327.122 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tot Ion: 43 Resp: 1427445

Ion Ratio Lower Upper

43 100

86 11.2 8.8 13.2

Instrument :

MSVOA\_D

ClientSampleId :

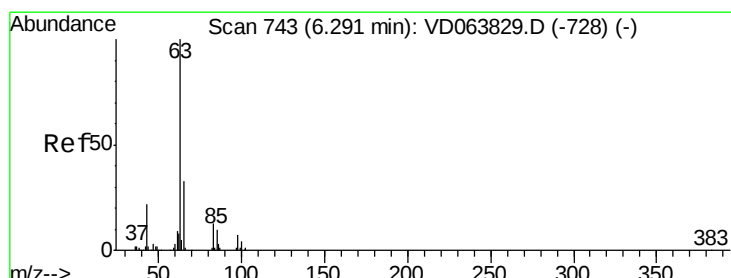
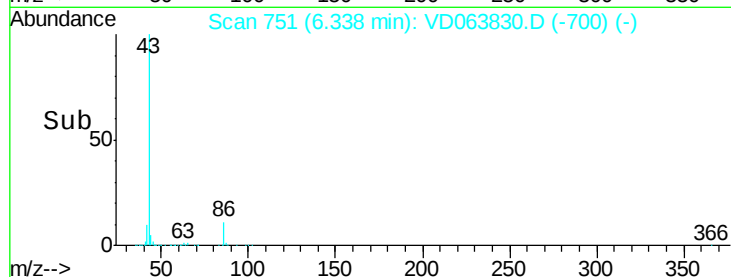
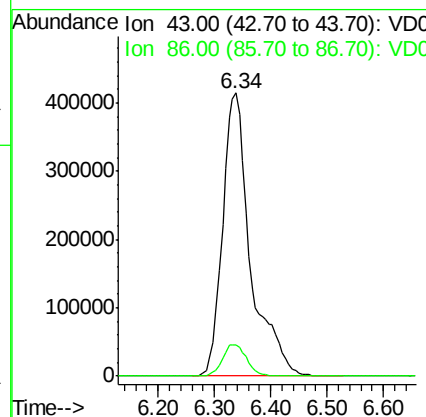
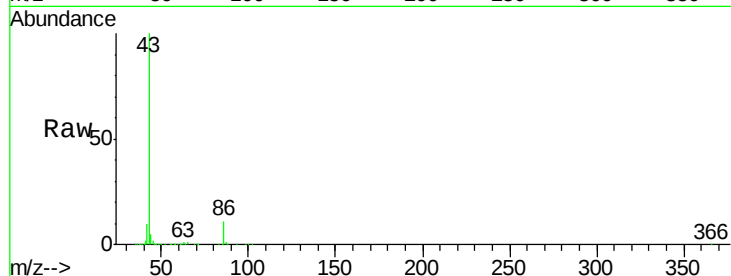
VSTDIC075

Manual Integrations

APPROVED

MMDadoda

10/1/2019 9:26:14 AM



#24

1,1-Dichloroethane

Concen: 66.099 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

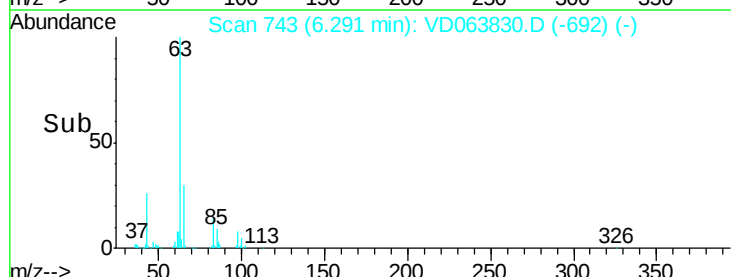
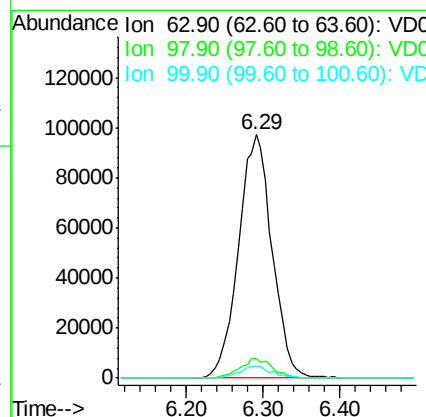
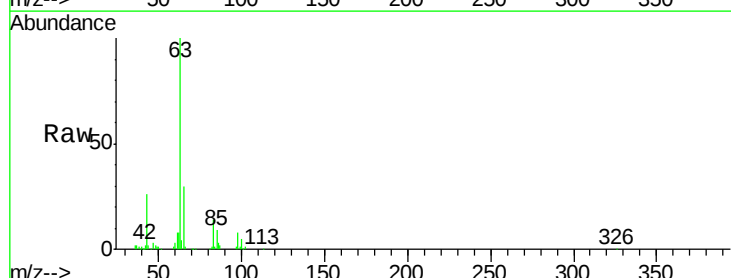
Tgt Ion: 63 Resp: 296266

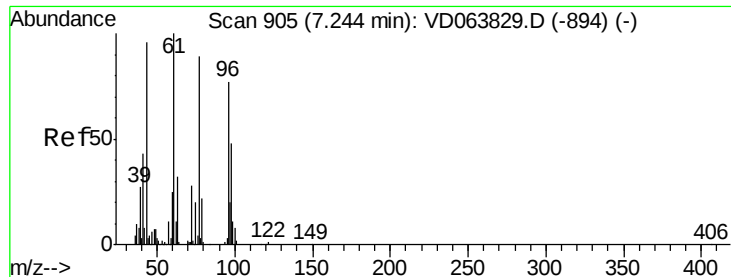
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 316.381 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 231357

Ion Ratio Lower Upper

43 100

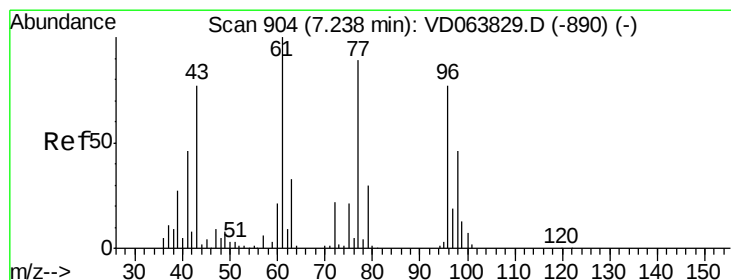
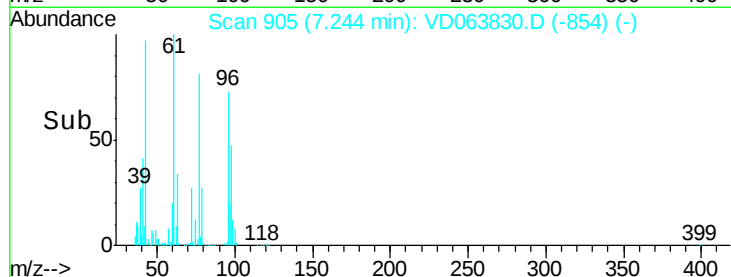
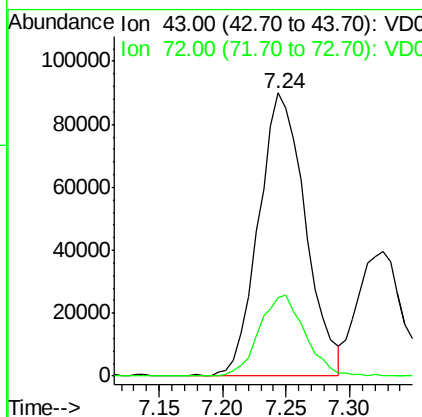
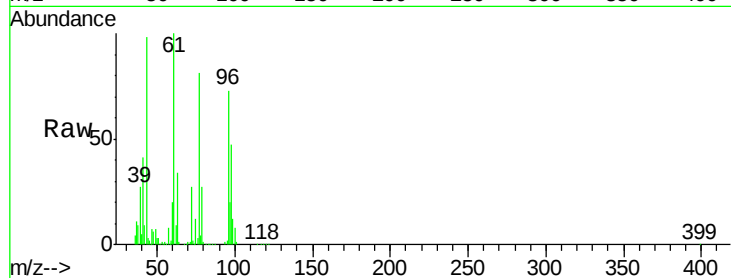
72 27.7 23.5 35.3

Manual Integrations

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MMDadoda

10/1/2019 9:26:14 AM



#26

2,2-Dichloropropane

Concen: 62.832 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063830.D

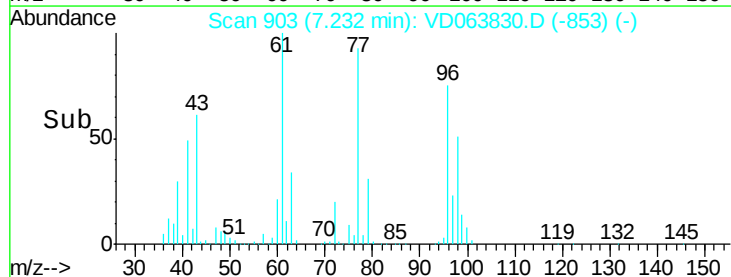
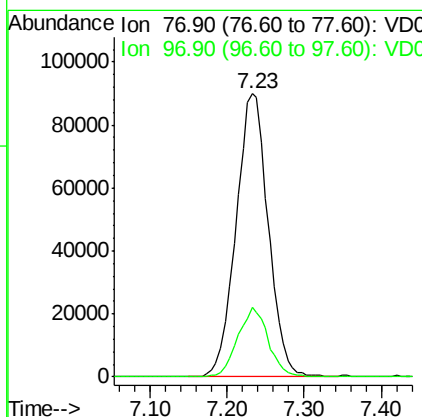
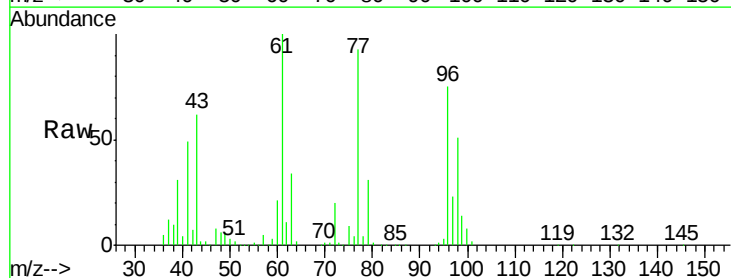
Acq: 25 Sep 2019 18:48

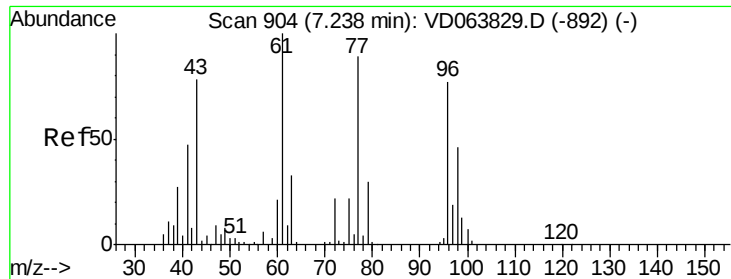
Tgt Ion: 77 Resp: 263376

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.7





#27

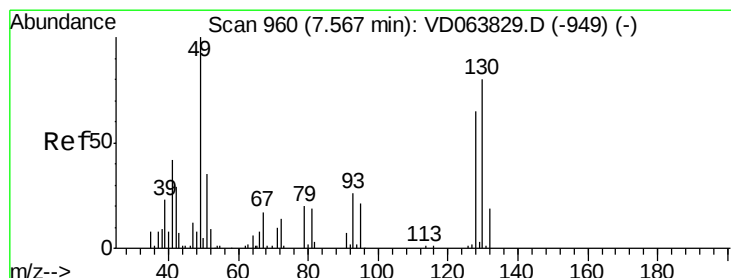
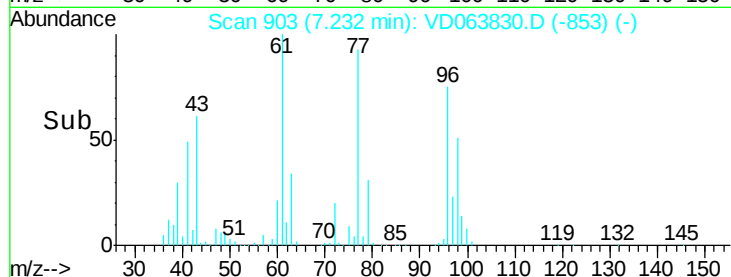
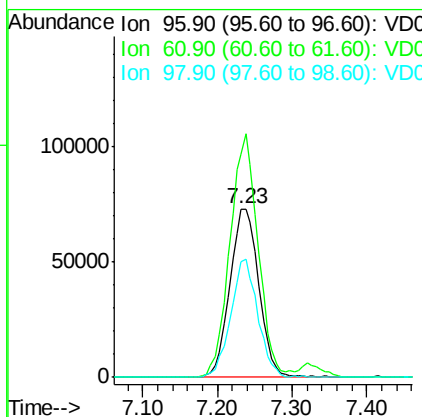
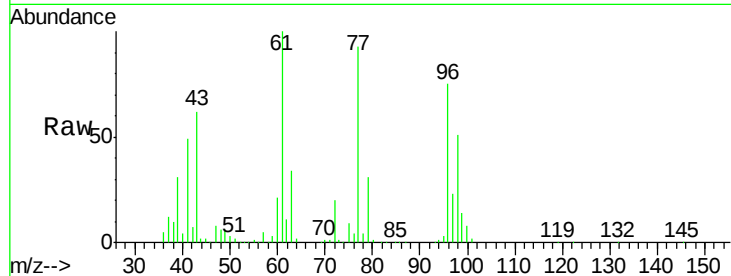
cis-1,2-Dichloroethene  
Concen: 66.866 ug/l  
RT: 7.23 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 197361 |       |       |
| 61      | 138.7 | 0.0    | 275.6 |       |
| 98      | 65.2  | 0.0    | 130.2 |       |

Manual Integrations  
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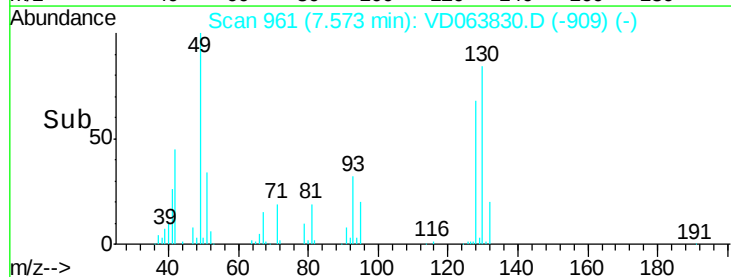
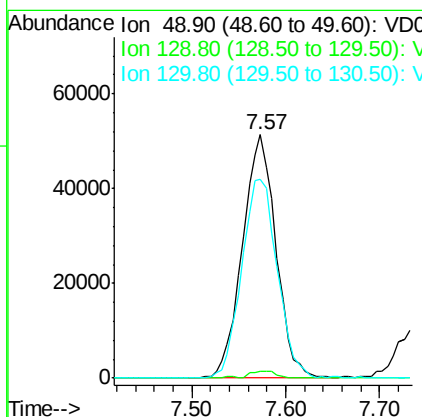
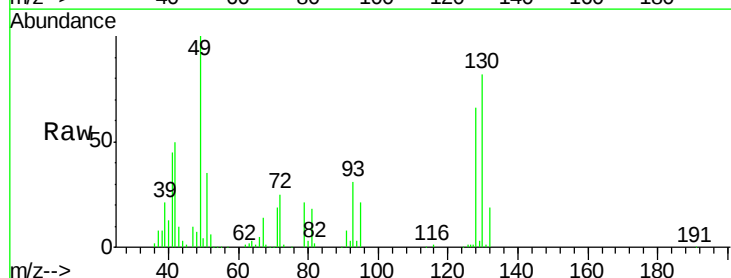
MMDadoda  
10/1/2019 9:26:14 AM

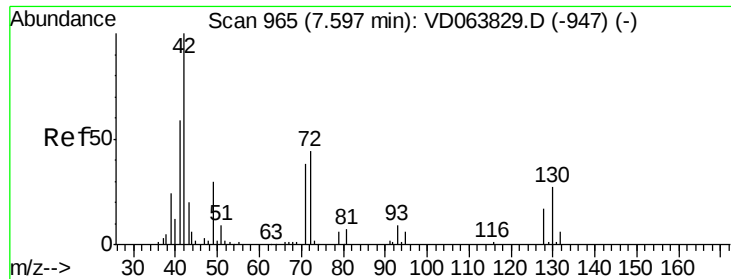


#28

Bromochloromethane  
Concen: 72.158 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 126911 |       |       |
| 129     | 2.1   | 0.0    | 2.6   |       |
| 130     | 86.8  | 67.0   | 100.4 |       |





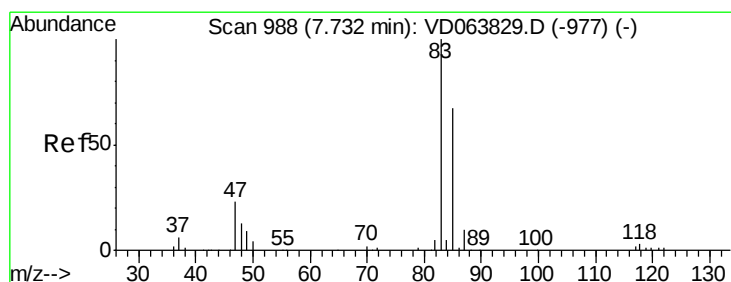
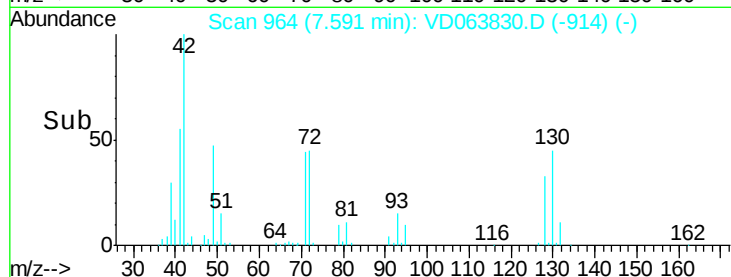
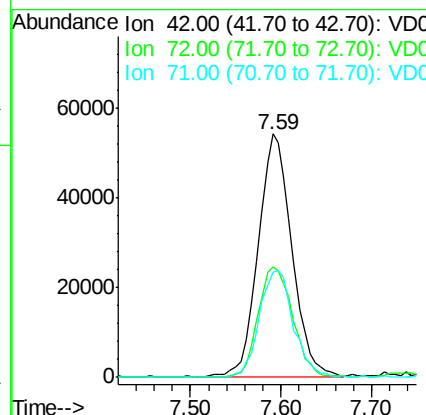
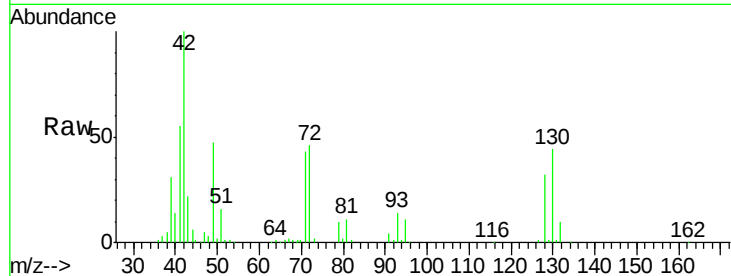
#29  
Tetrahydrofuran  
Concen: 319.127 ug/l  
RT: 7.59 min Scan# 964  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.9  | 37.3  | 55.9  |
| 71      | 44.2  | 33.4  | 50.2  |

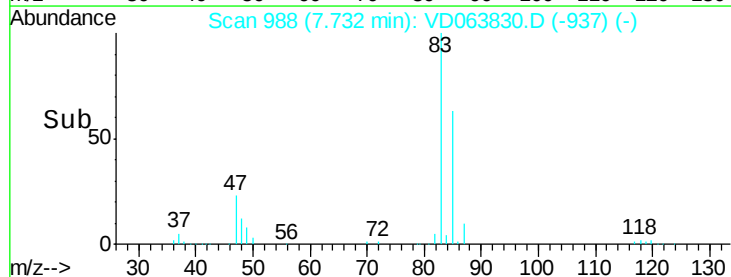
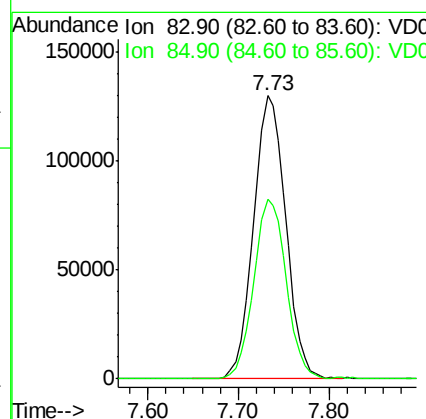
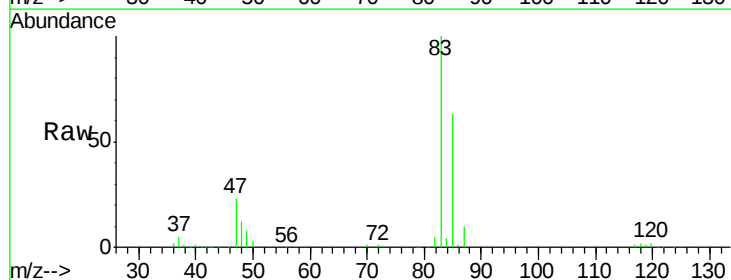
Manual Integrations  
APPROVED

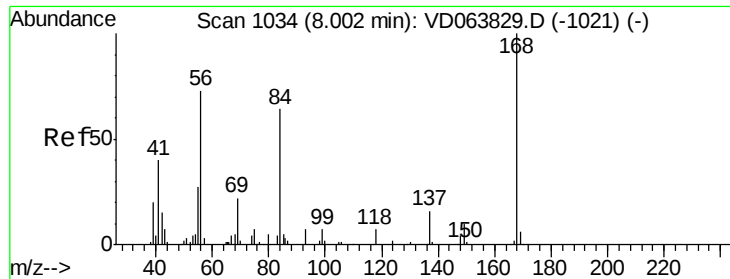
MMDadoda  
10/1/2019 9:26:14 AM



#30  
Chloroform  
Concen: 66.026 ug/l  
RT: 7.73 min Scan# 988  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.4  | 53.4  | 80.2  |





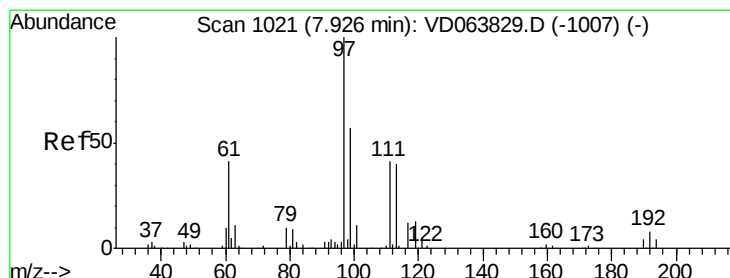
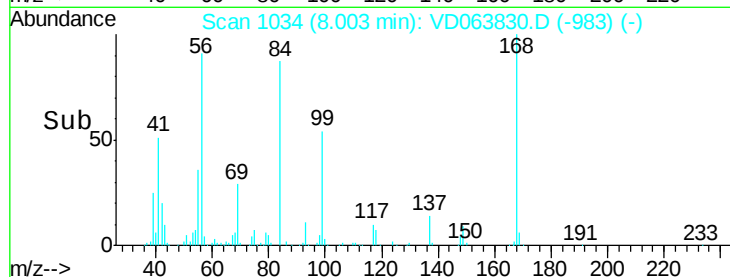
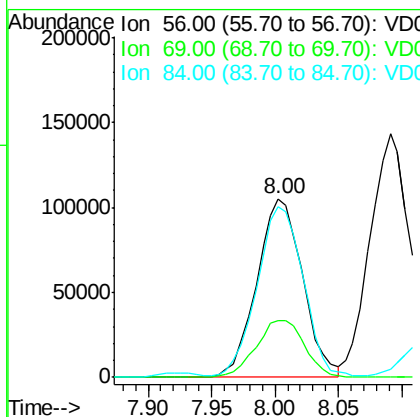
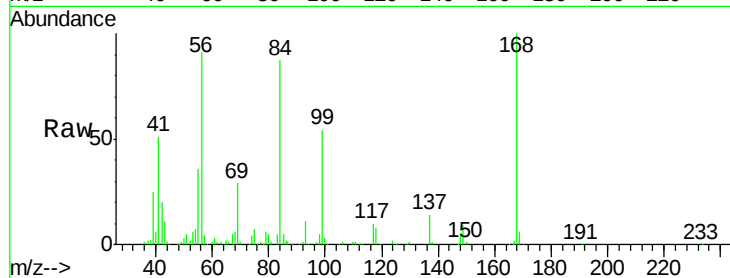
#31  
Cyclohexane  
Concen: 58.921 ug/l  
RT: 8.00 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.4  | 23.1  | 34.7  |
| 84      | 93.6  | 69.7  | 104.5 |

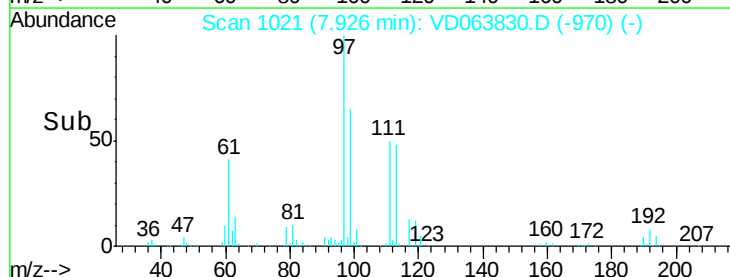
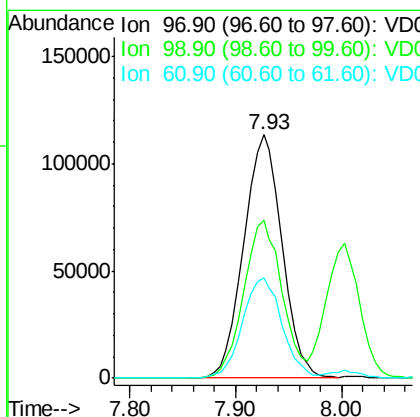
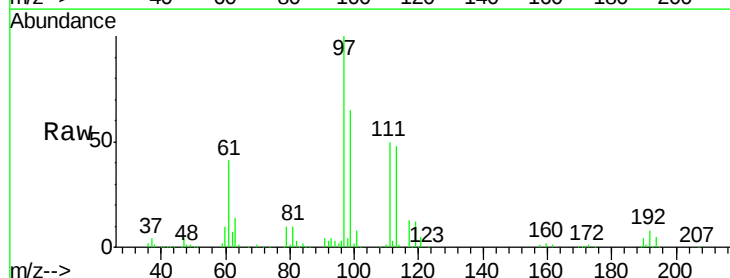
Manual Integrations  
APPROVED

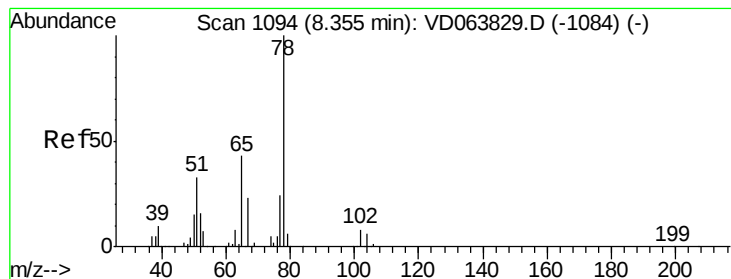
MMDadoda  
10/1/2019 9:26:14 AM



#32  
1,1,1-Trichloroethane  
Concen: 64.967 ug/l  
RT: 7.93 min Scan# 1021  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.1  | 52.9  | 79.3  |
| 61      | 42.5  | 35.8  | 53.8  |





#33

1,2-Dichloroethane-d4

Concen: 72.241 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 180017

Ion Ratio Lower Upper

65 100

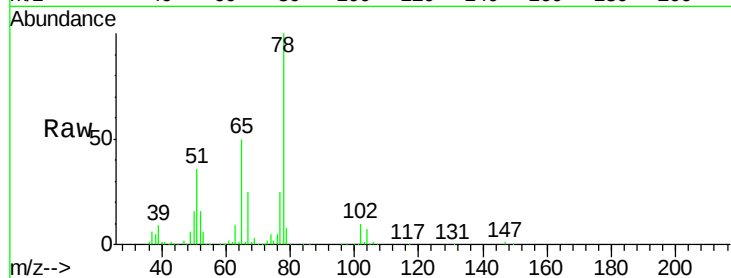
67 53.6 0.0 107.4

Manual Integrations

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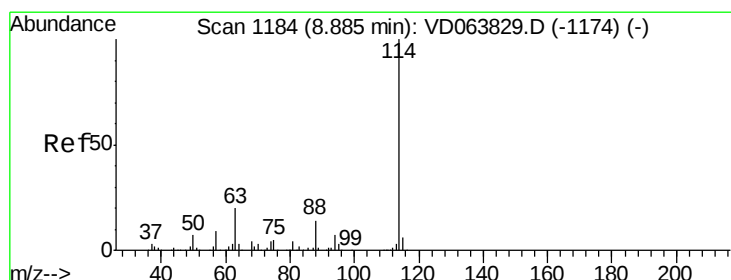
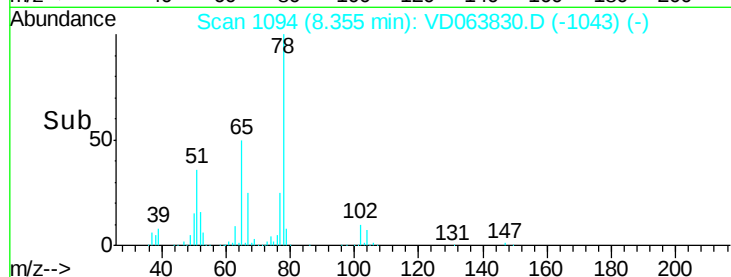
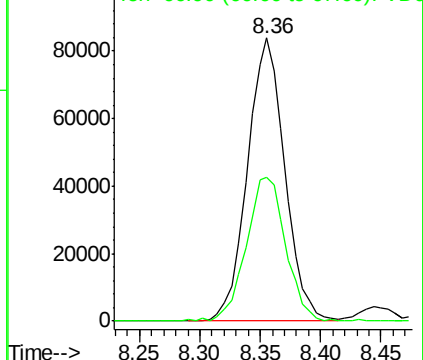
MMDadoda

10/1/2019 9:26:14 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

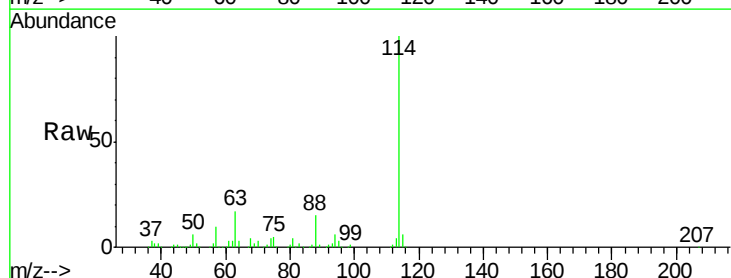
Tgt Ion: 114 Resp: 424643

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.2

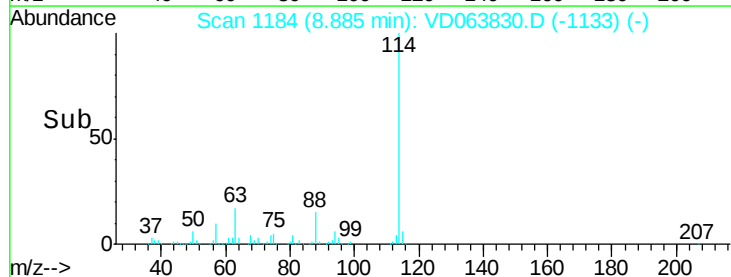
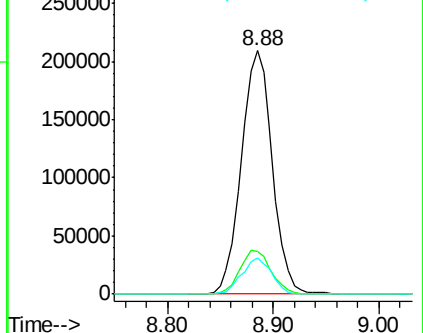
88 14.6 0.0 28.4

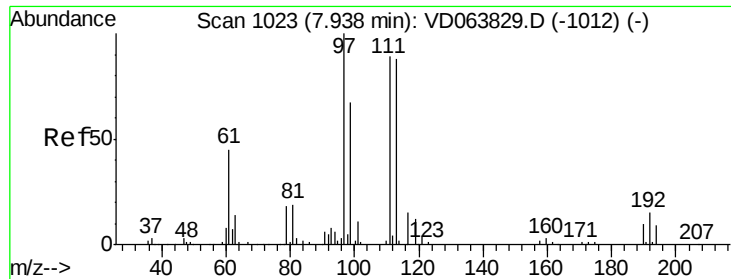


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





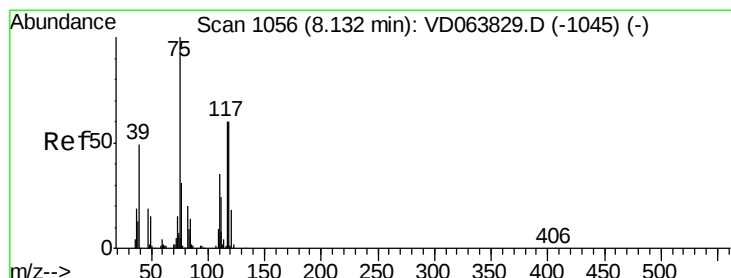
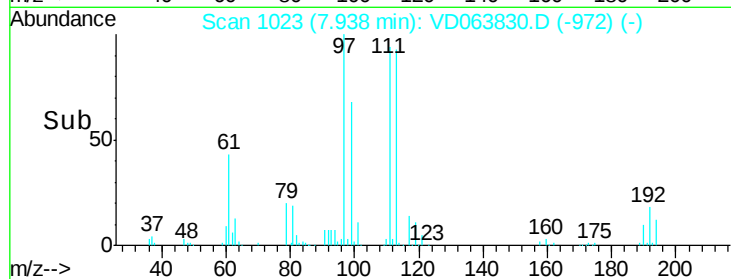
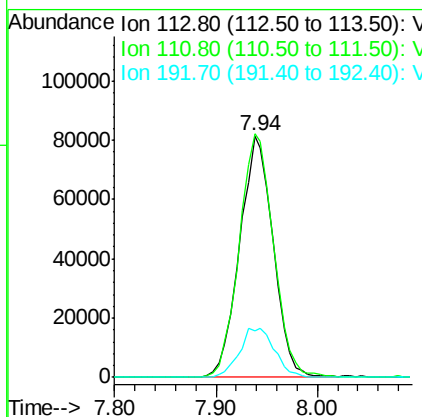
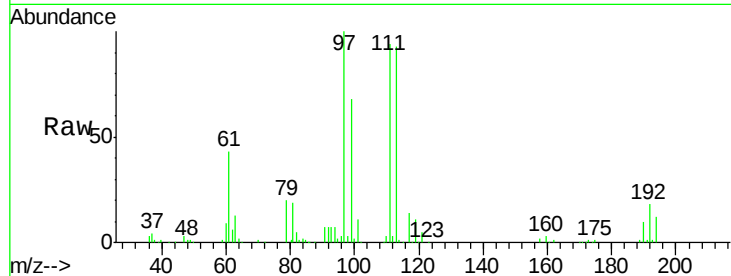
#35  
 Dibromofluoromethane  
 Concen: 69.494 ug/l  
 RT: 7.94 min Scan# 1023  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 187332 |       |       |
| 111     | 103.2 | 77.7   | 116.5 |       |
| 192     | 21.2  | 15.9   | 23.9  |       |

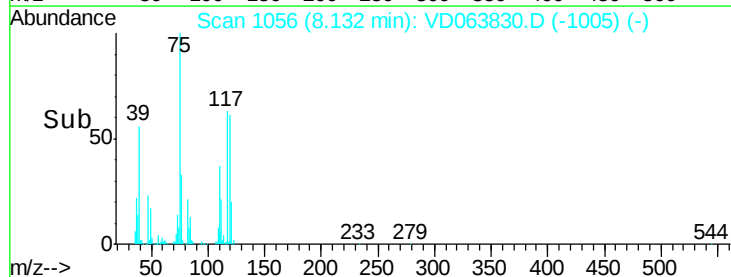
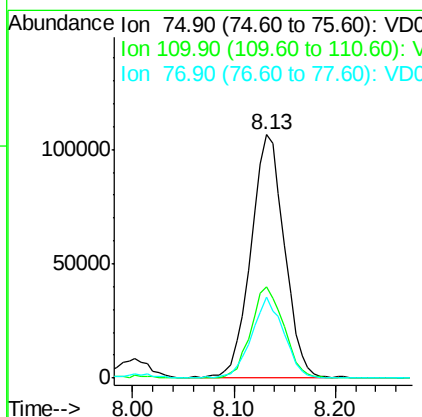
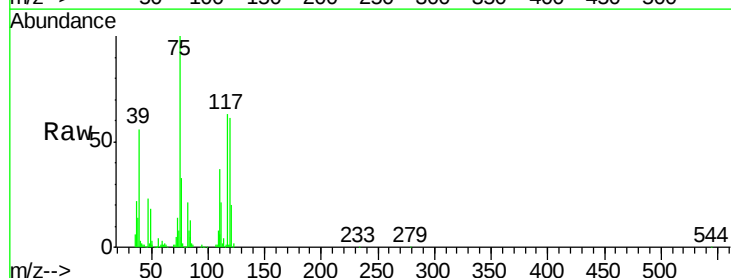
Manual Integrations  
 APPROVED

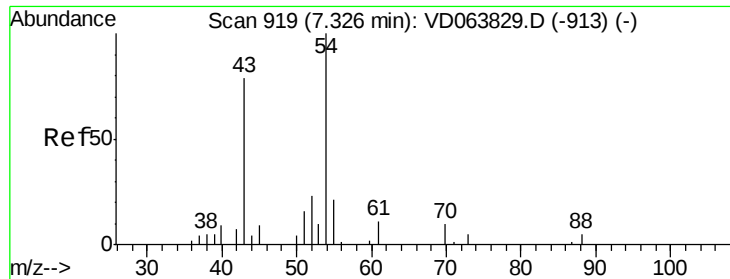
MMDadoda  
 10/1/2019 9:26:14 AM



#36  
 1,1-Dichloropropene  
 Concen: 63.094 ug/l  
 RT: 8.13 min Scan# 1056  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 244388 |       |       |
| 110     | 36.9  | 17.5   | 52.5  |       |
| 77      | 31.9  | 24.9   | 37.3  |       |





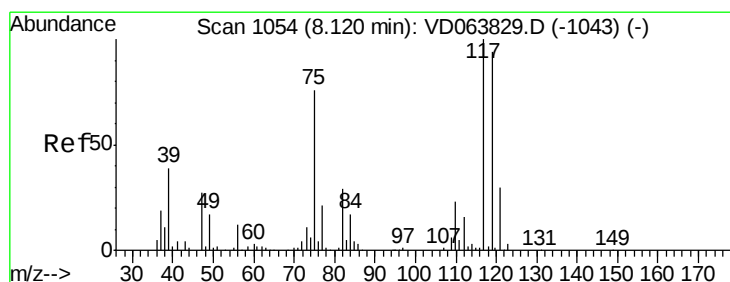
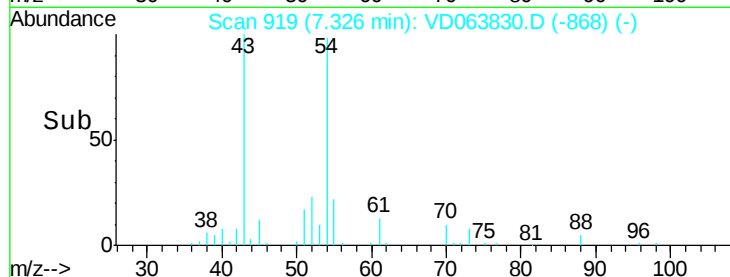
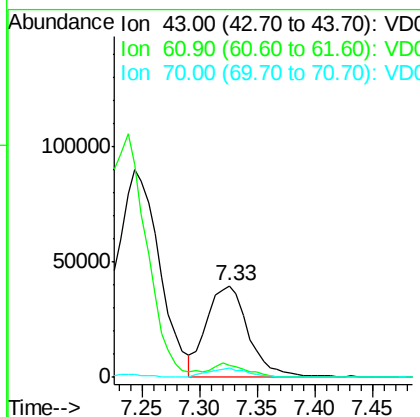
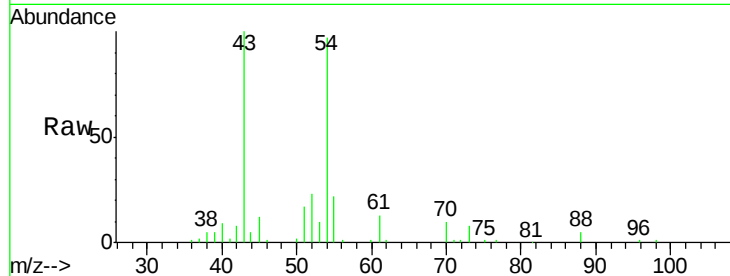
#37  
Ethyl Acetate  
Concen: 61.037 ug/l  
RT: 7.33 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 12.7  | 19.1  |
| 70      | 9.7   | 8.3   | 12.5  |

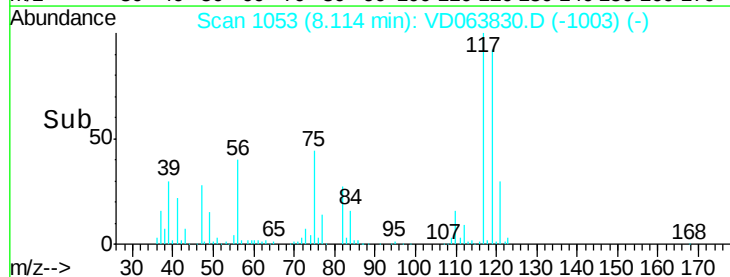
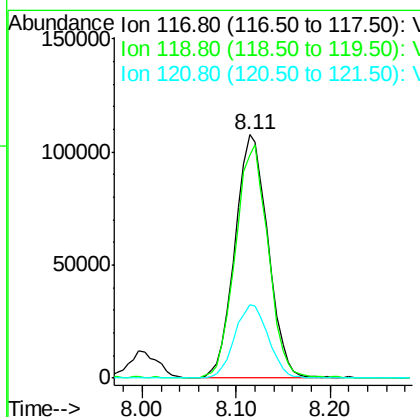
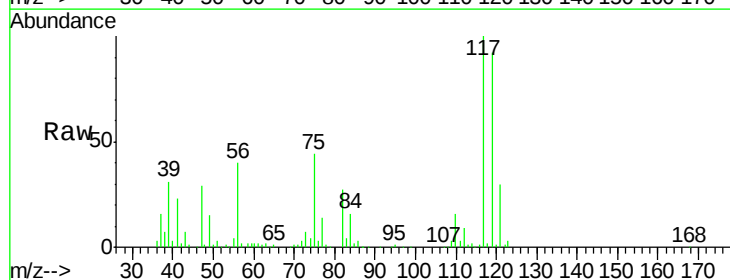
Manual Integrations  
APPROVED

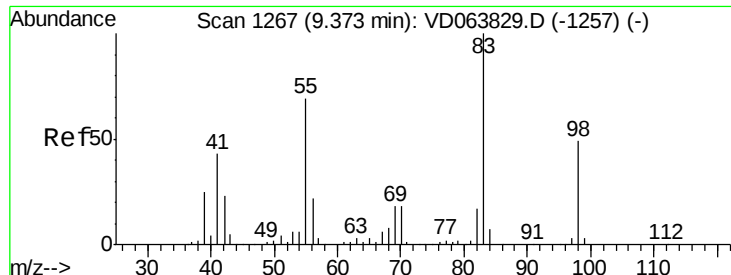
MMDadoda  
10/1/2019 9:26:14 AM



#38  
Carbon Tetrachloride  
Concen: 65.405 ug/l  
RT: 8.11 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.5  | 75.2  | 112.8 |
| 121     | 29.9  | 23.9  | 35.9  |





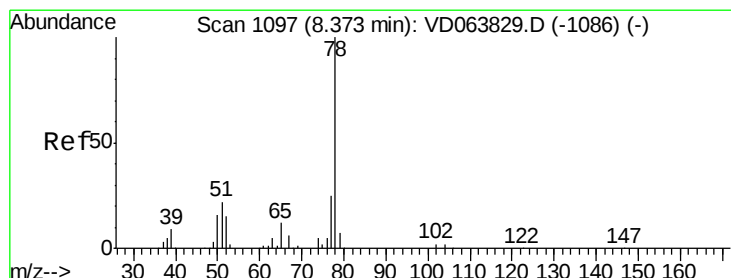
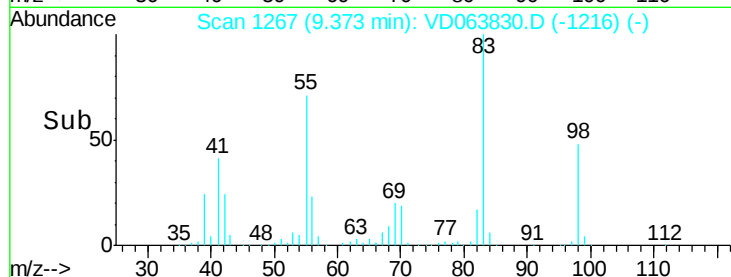
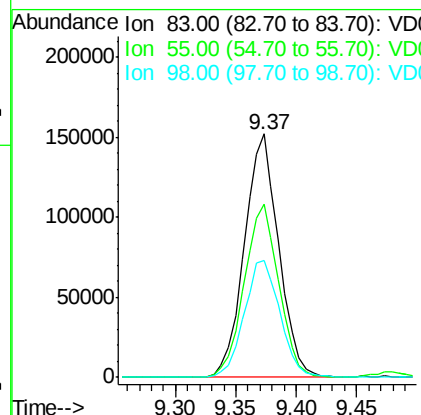
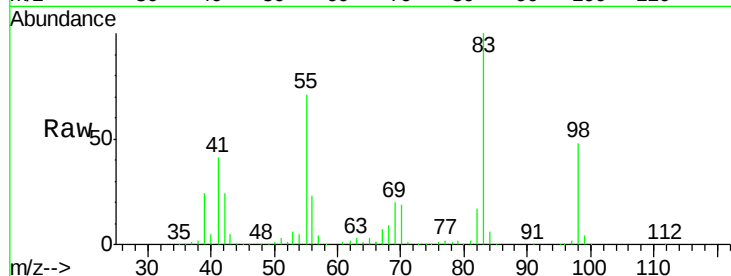
#39  
Methvlcvclohexane  
Concen: 62.573 ug/l  
RT: 9.37 min Scan# 1267  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.0  | 54.9  | 82.3  |
| 98      | 48.1  | 39.0  | 58.6  |

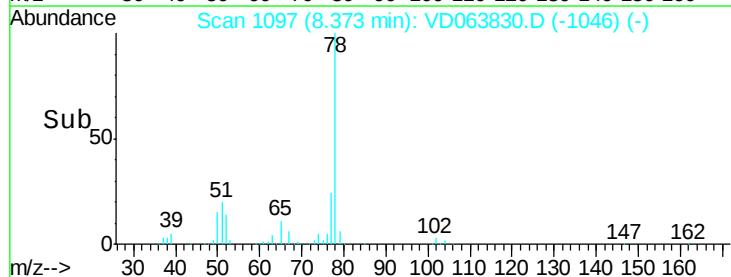
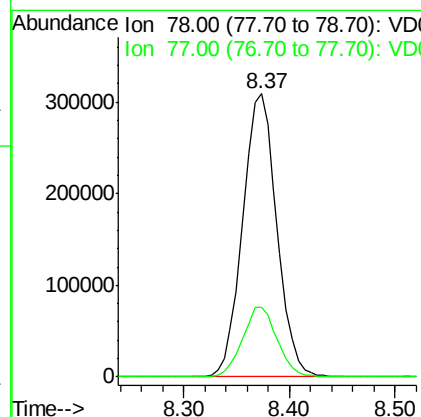
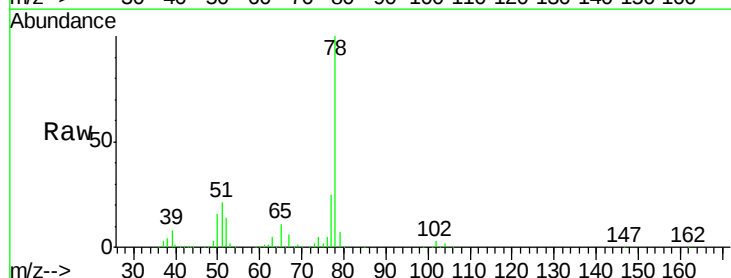
Manual Integrations  
APPROVED

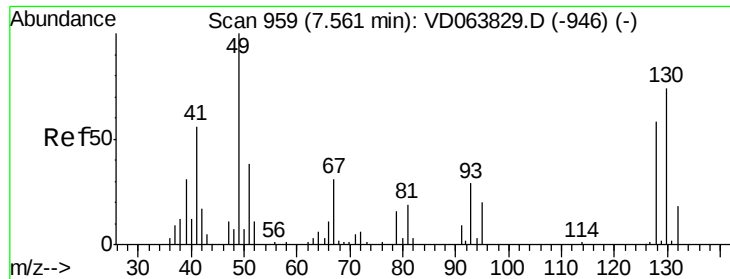
MMDadoda  
10/1/2019 9:26:14 AM



#40  
Benzene  
Concen: 64.896 ug/l  
RT: 8.37 min Scan# 1097  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.7  | 19.8  | 29.6  |





#41

Methacrylonitrile

Concen: 60.858 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 58144

Ion Ratio Lower Upper

41 100

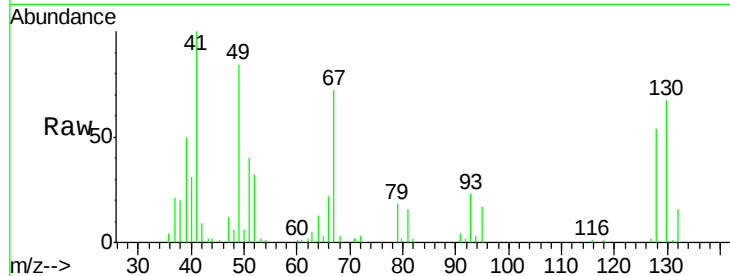
39 59.7 52.2 78.4

67 79.3 58.6 87.8

52 31.8 26.6 39.8

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:14 AM

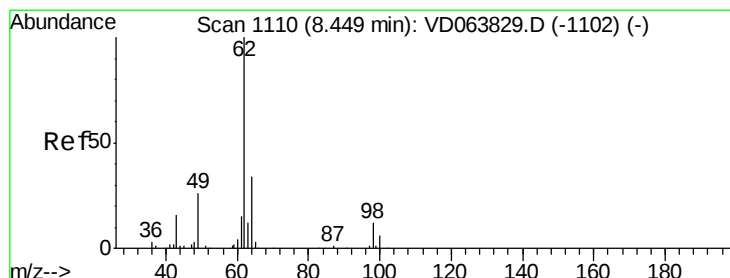
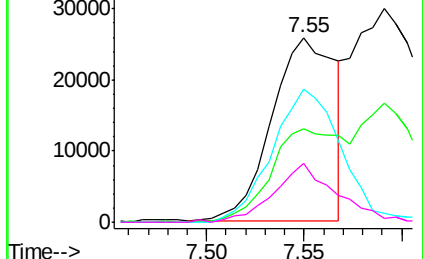
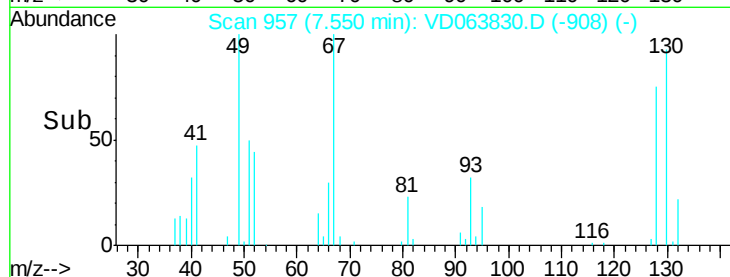


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 64.324 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD063830.D

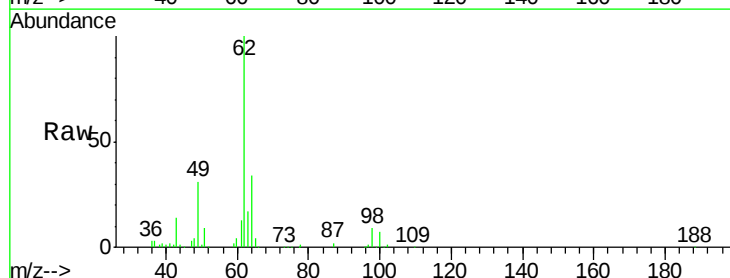
Acq: 25 Sep 2019 18:48

Tgt Ion: 62 Resp: 200648

Ion Ratio Lower Upper

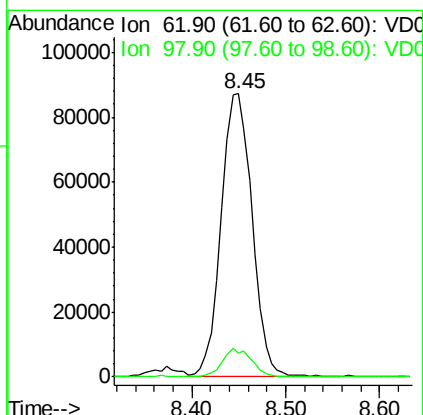
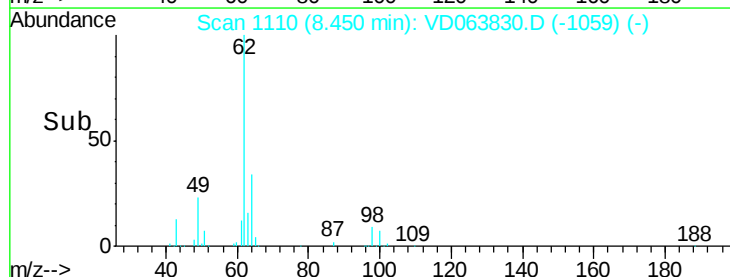
62 100

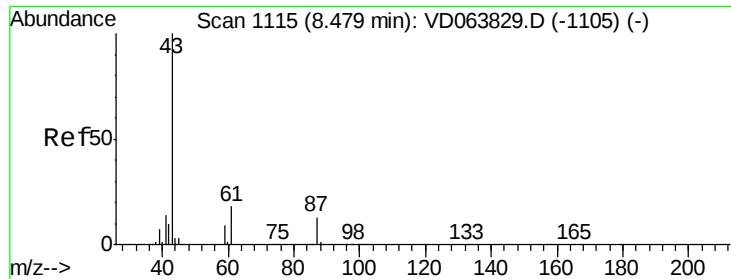
98 9.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





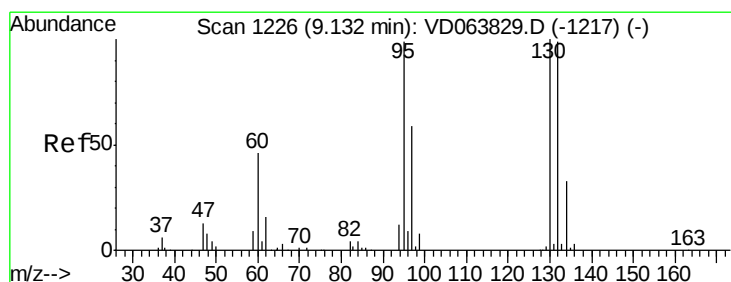
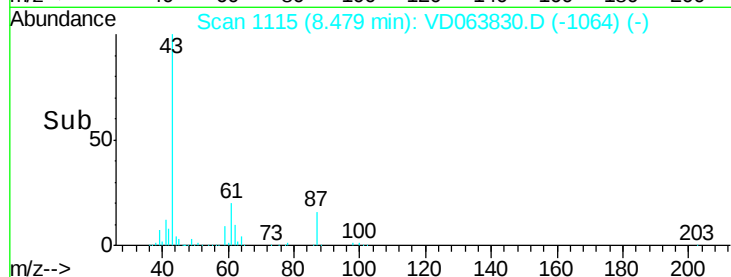
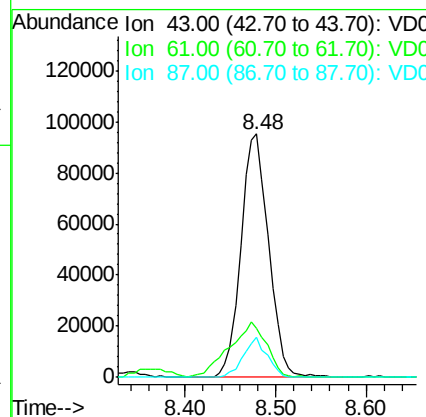
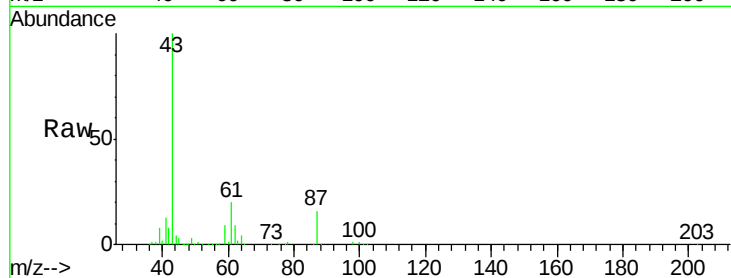
#43  
Isopropyl Acetate  
Concen: 62.482 ug/l  
RT: 8.48 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.5  | 24.6  | 37.0  |
| 87      | 14.2  | 10.5  | 15.7  |

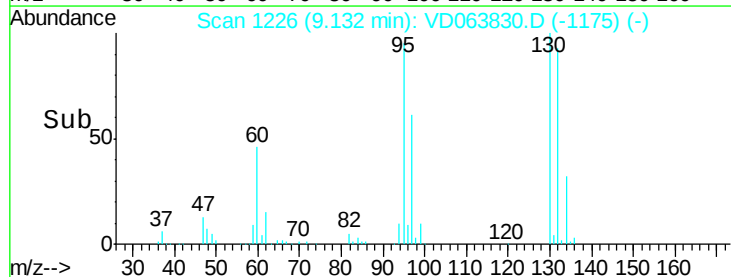
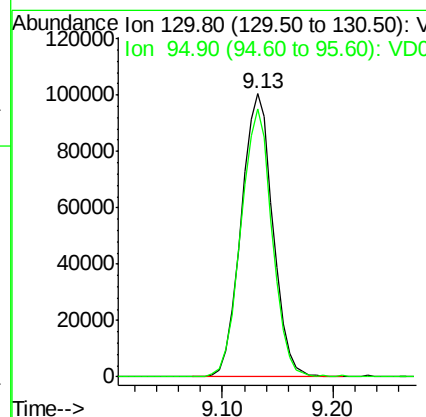
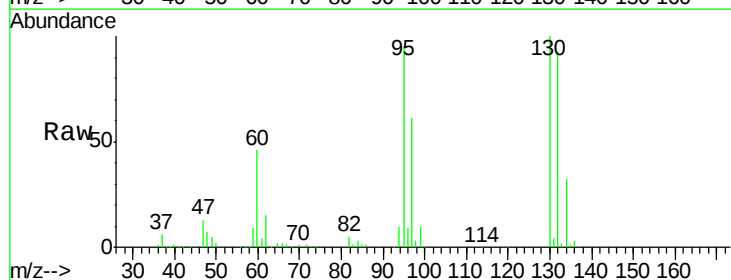
Manual Integrations  
APPROVED

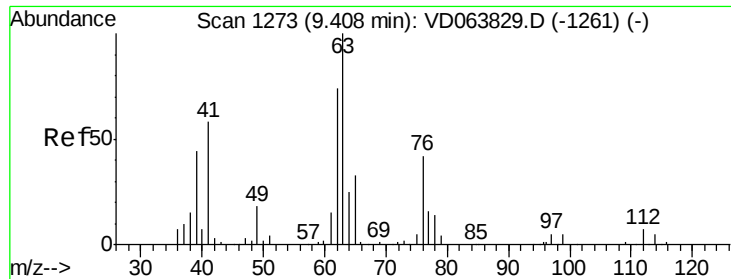
MMDadoda  
10/1/2019 9:26:14 AM



#44  
Trichloroethene  
Concen: 65.554 ug/l  
RT: 9.13 min Scan# 1226  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.6  | 0.0   | 198.6 |





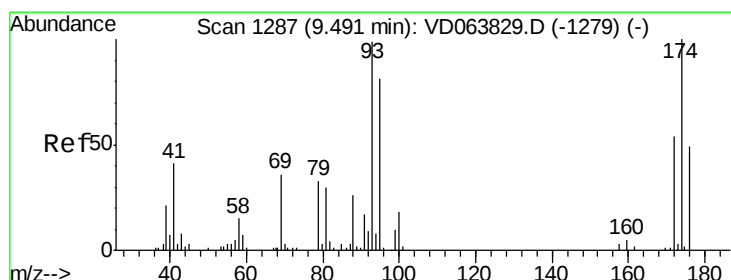
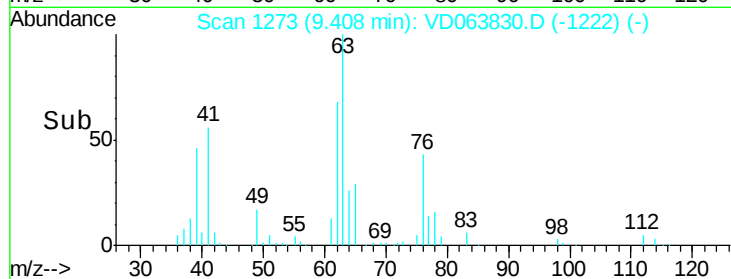
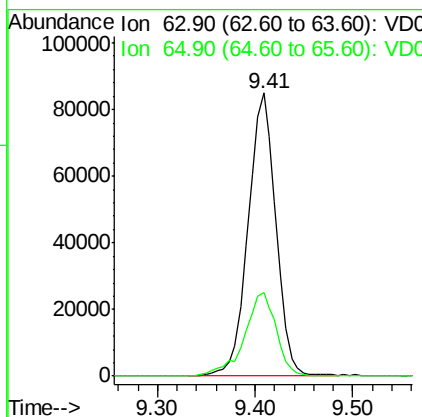
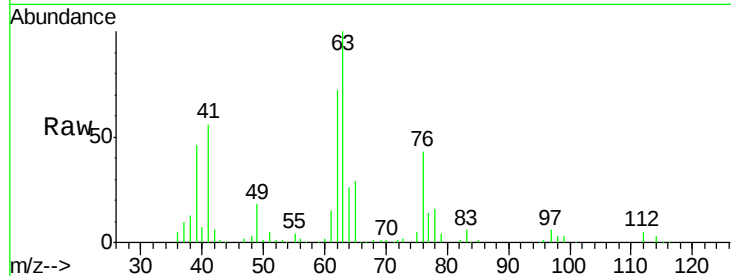
#45  
 1,2-Dichloropropane  
 Concen: 64.568 ug/l  
 RT: 9.41 min Scan# 1273  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

Tot Ion: 63 Resp: 170142  
 Ion Ratio Lower Upper  
 63 100  
 65 29.4 26.8 40.2

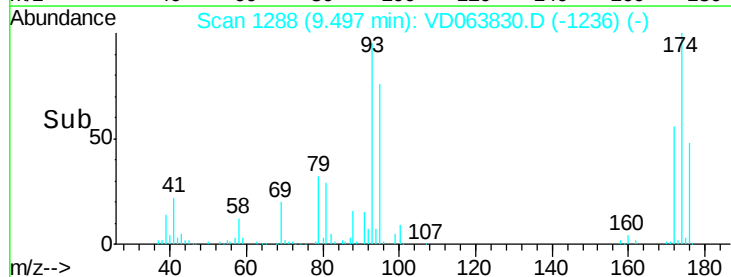
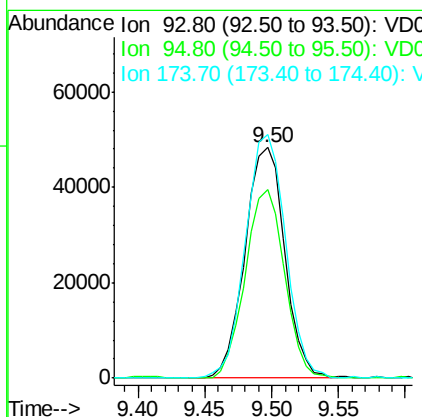
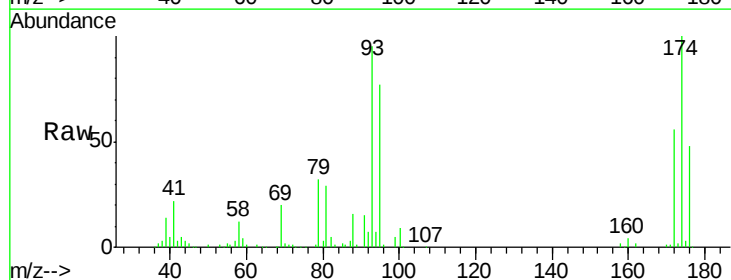
Manual Integrations  
 APPROVED

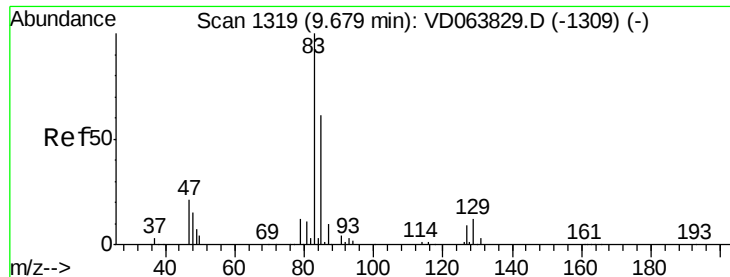
MMDadoda  
 10/1/2019 9:26:14 AM



#46  
 Dibromomethane  
 Concen: 67.039 ug/l  
 RT: 9.50 min Scan# 1288  
 Delta R.T. 0.01 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Tgt Ion: 93 Resp: 99706  
 Ion Ratio Lower Upper  
 93 100  
 95 80.8 63.8 95.8  
 174 106.3 84.2 126.2





#47

Bromodichloromethane

Concen: 66.799 ug/l

RT: 9.68 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

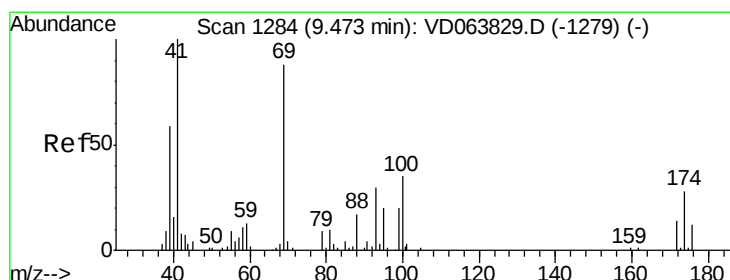
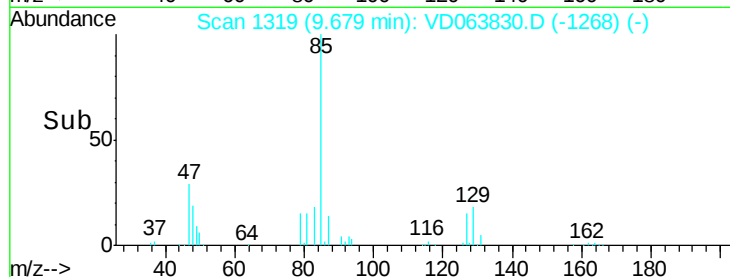
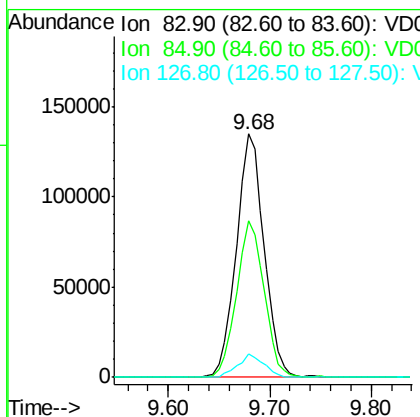
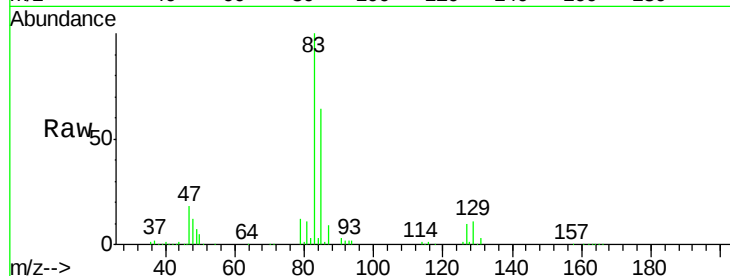
ClientSampleId :

VSTDIC075

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 256108 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.3  | 48.6  | 73.0   |
| 127      | 9.7   | 6.9   | 10.3   |

Manual Integrations  
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MMDadoda  
10/1/2019 9:26:14 AM



#48

Methyl methacrylate

Concen: 63.619 ug/l

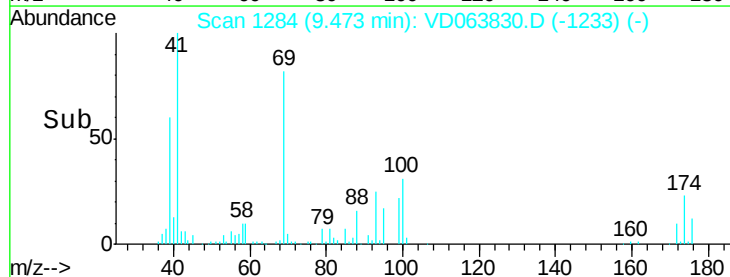
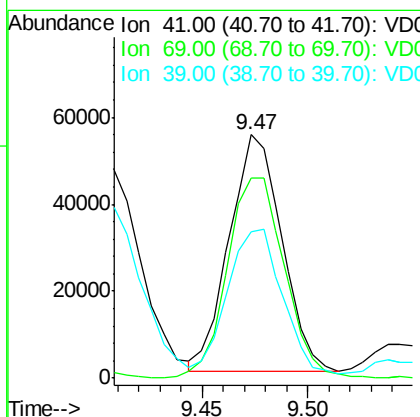
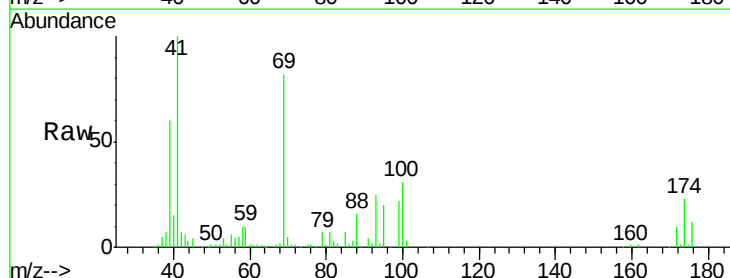
RT: 9.47 min Scan# 1284

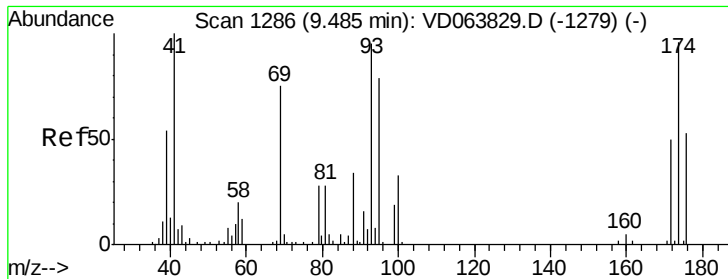
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 93838 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 91.8  | 71.7  | 107.5 |
| 39       | 66.9  | 51.7  | 77.5  |





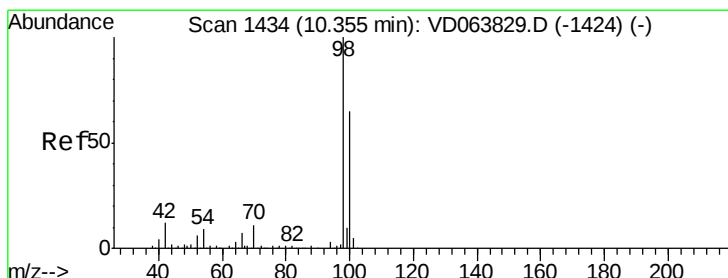
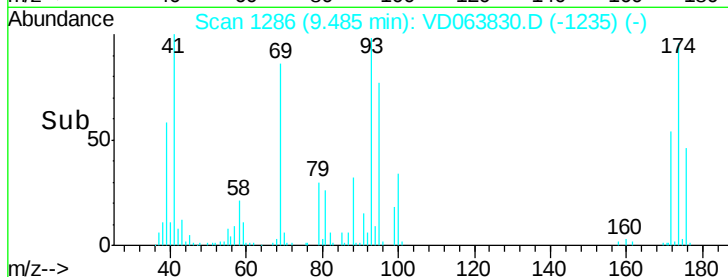
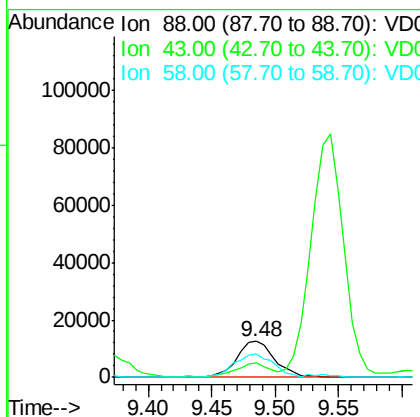
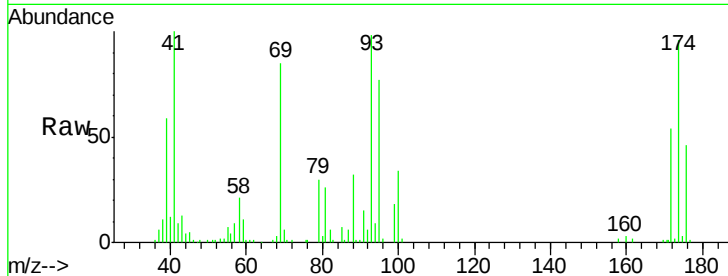
#49  
1,4-Dioxane  
Concen: 1275.919 ug/l  
RT: 9.48 min Scan# 1286  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | 88    | Resp  | 26473 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 35.2  | 25.8  | 38.6  |
| 58      | 66.4  | 55.9  | 83.9  |

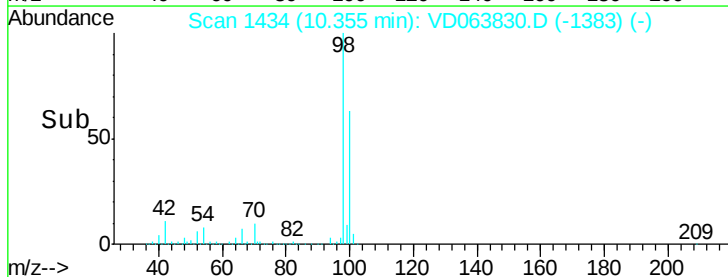
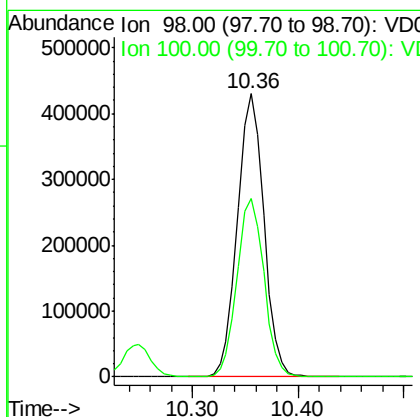
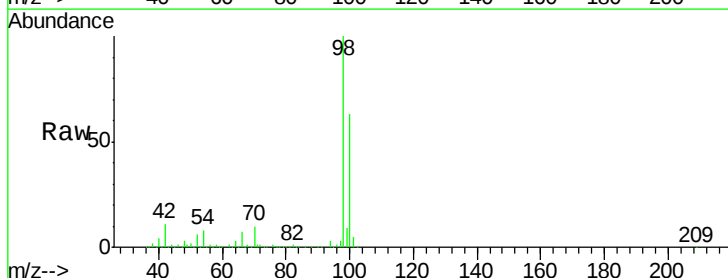
Manual Integrations  
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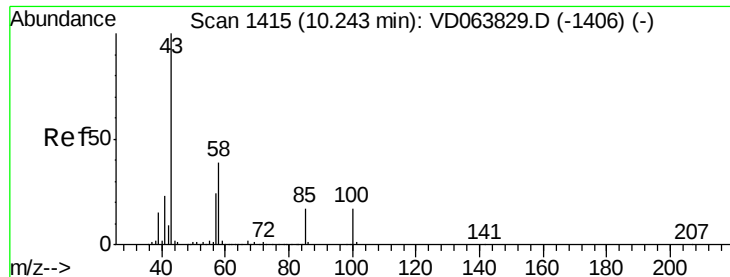
MMDadoda  
10/1/2019 9:26:14 AM



#50  
Toluene-d8  
Concen: 73.814 ug/l  
RT: 10.36 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | 98    | Resp  | 749000 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.0  | 51.6  | 77.4   |





#51

4-Methyl-2-Pentanone

Concen: 314.030 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 513052

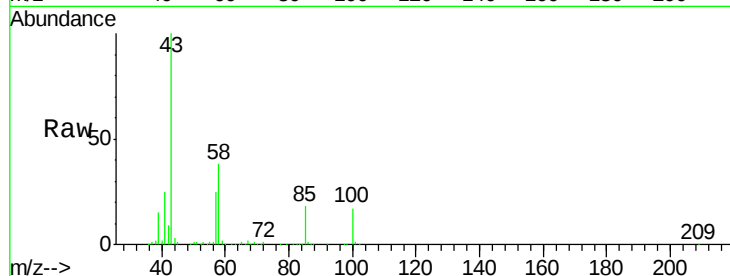
Ion Ratio Lower Upper

43 100

58 40.2 30.9 46.3

Manual Integrations  
APPROVED

MMDadoda  
10/1/2019 9:26:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.25

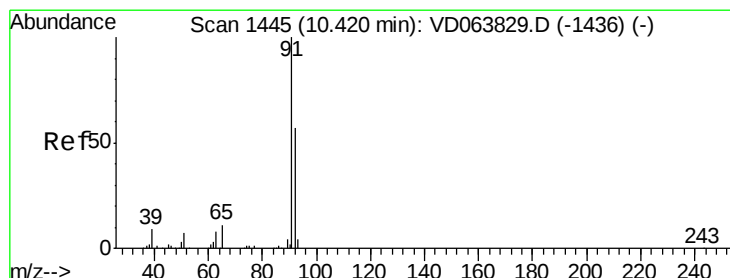
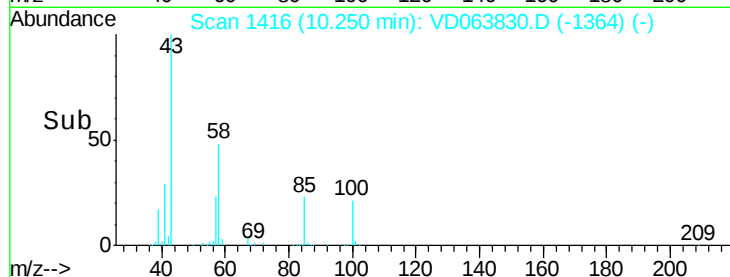
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 65.236 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063830.D

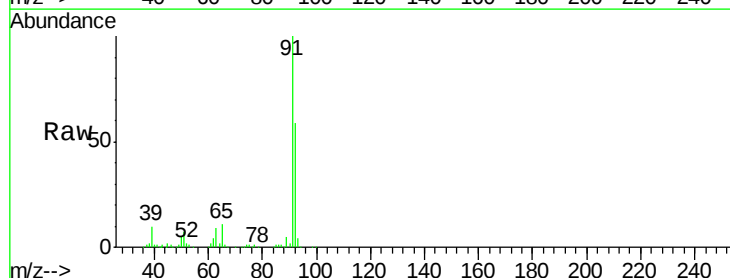
Acq: 25 Sep 2019 18:48

Tgt Ion: 92 Resp: 471847

Ion Ratio Lower Upper

92 100

91 176.5 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

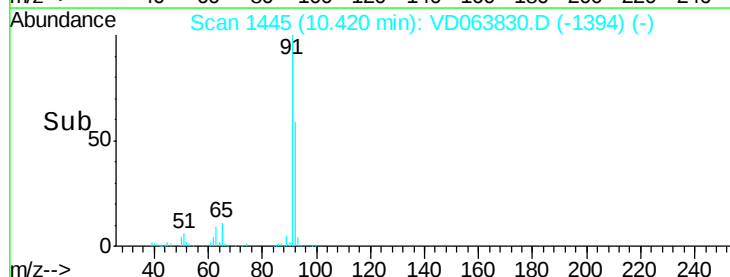
300000

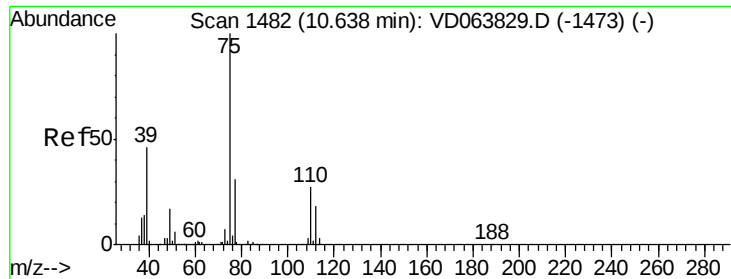
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 67.785 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 257607

Ion Ratio Lower Upper

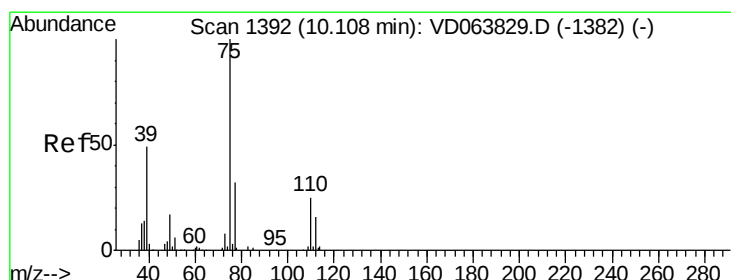
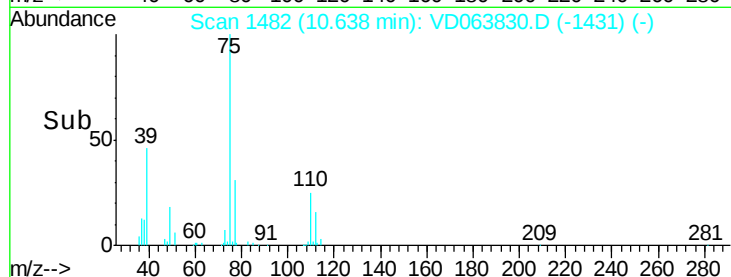
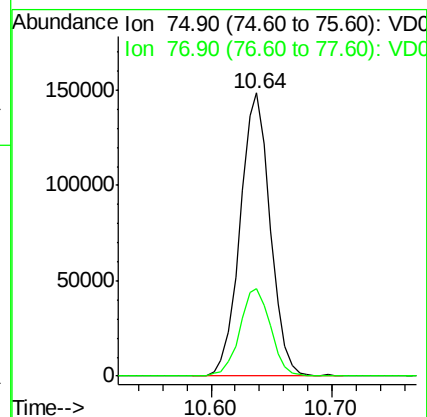
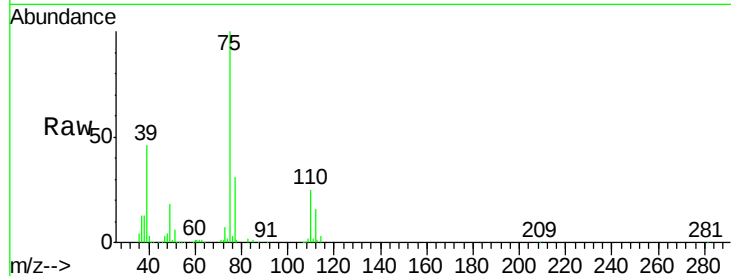
75 100

77 30.7 24.9 37.3

Manual Integrations  
APPROVED

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#54

cis-1,3-Dichloropropene

Concen: 67.199 ug/l

RT: 10.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

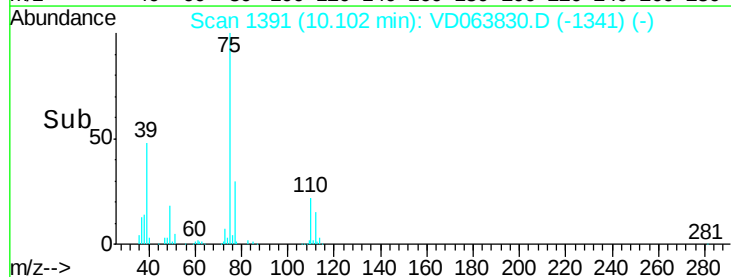
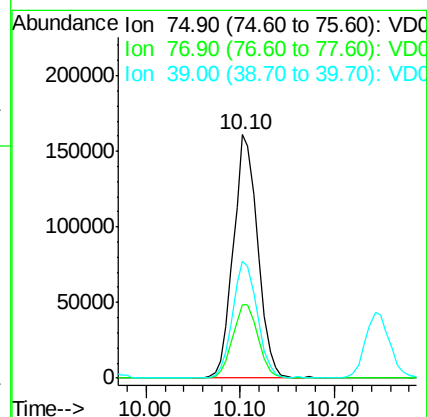
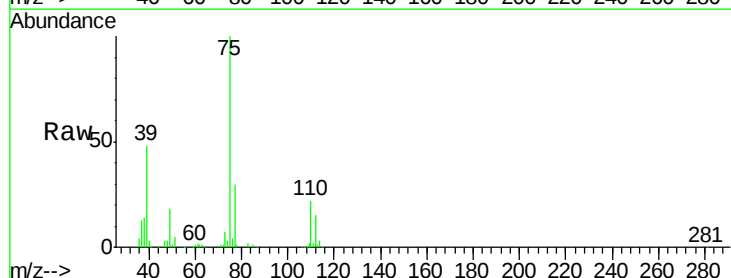
Tgt Ion: 75 Resp: 289886

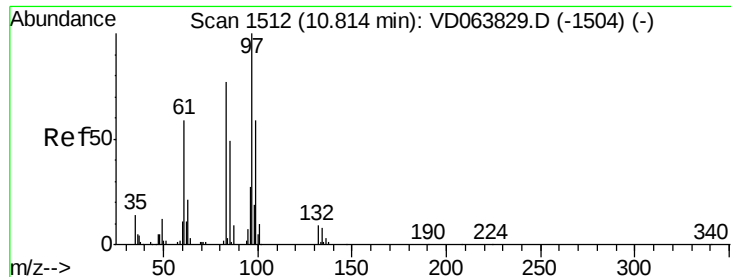
Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8

39 47.9 39.5 59.3





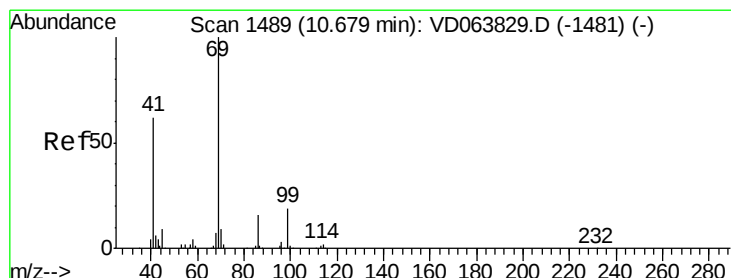
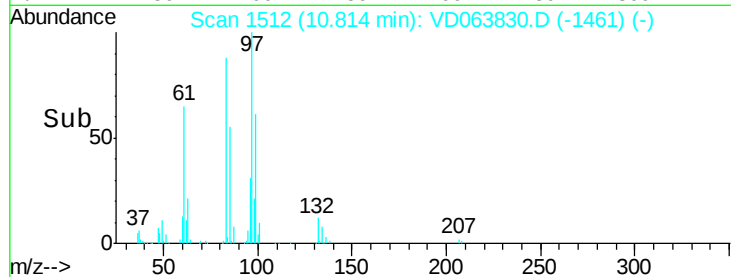
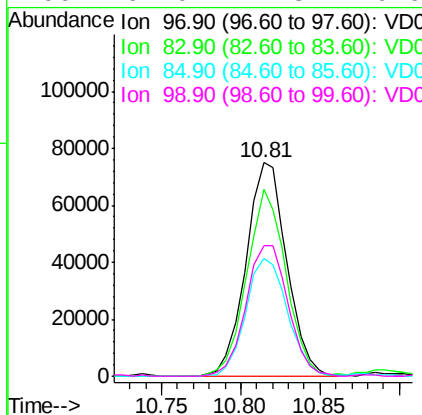
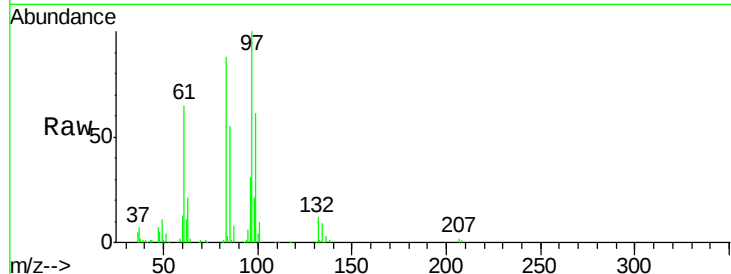
#55  
 1,1,2-Trichloroethane  
 Concen: 63.806 ug/l  
 RT: 10.81 min Scan# 1512  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 134092 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.3  | 61.9  | 92.9   |
| 85       | 55.2  | 39.4  | 59.2   |
| 99       | 61.0  | 47.3  | 70.9   |

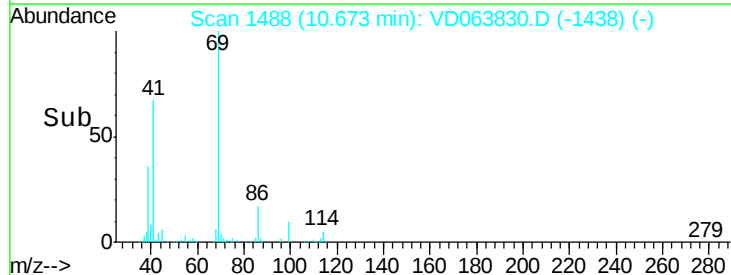
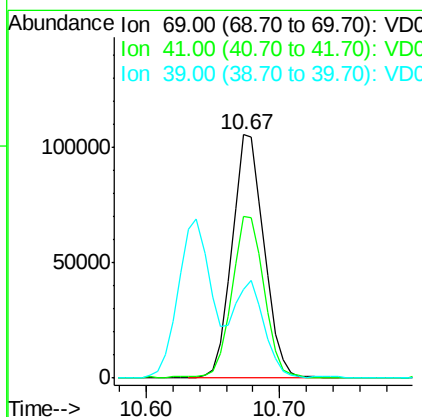
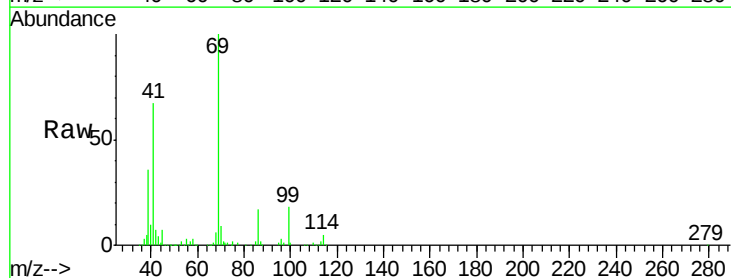
Manual Integrations  
 APPROVED

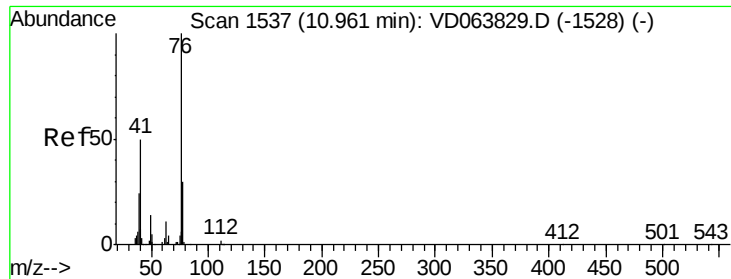
MMDadoda  
 10/1/2019 9:26:14 AM



#56  
 Ethyl methacrylate  
 Concen: 65.797 ug/l  
 RT: 10.67 min Scan# 1488  
 Delta R.T. -0.01 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 175748 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 66.0  | 52.2  | 78.4   |
| 39       | 34.6  | 28.7  | 43.1   |





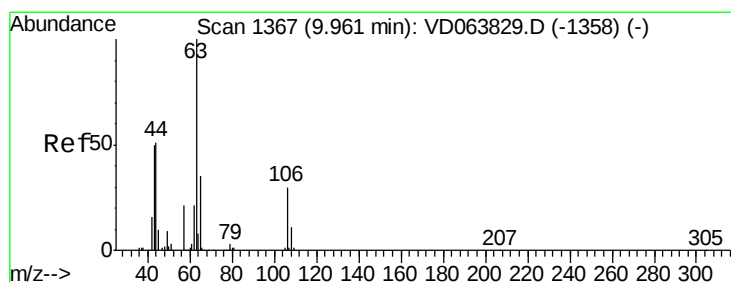
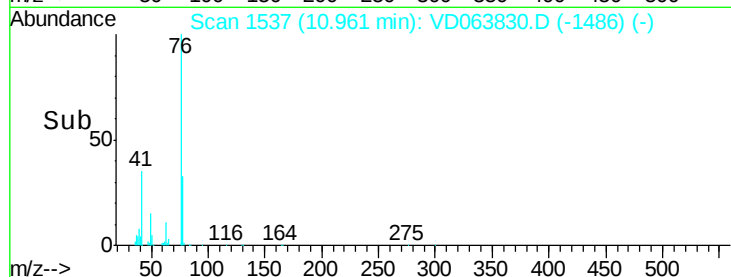
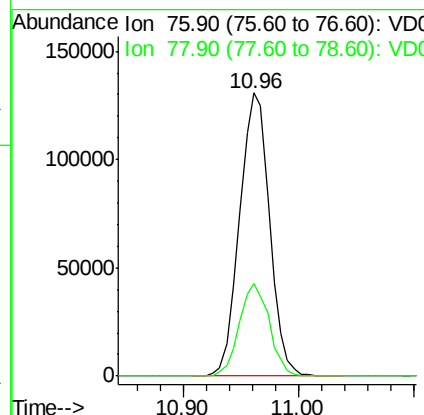
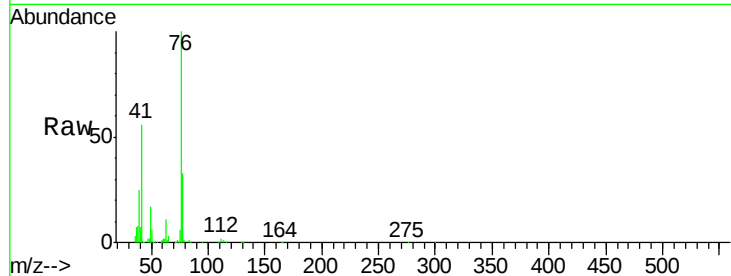
#57  
 1,3-Dichloropropane  
 Concen: 65.744 ug/l  
 RT: 10.96 min Scan# 1537  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

Tot Ion: 76 Resp: 234758  
 Ion Ratio Lower Upper  
 76 100  
 78 32.8 25.7 38.5

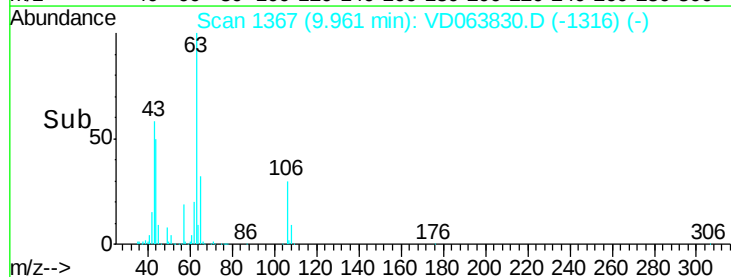
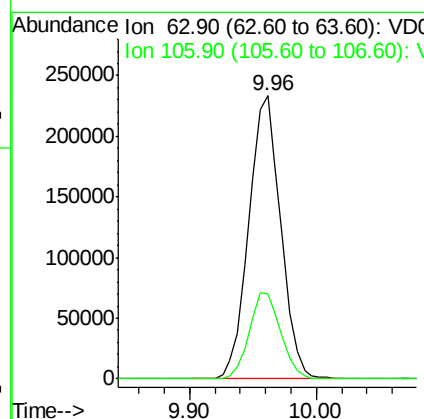
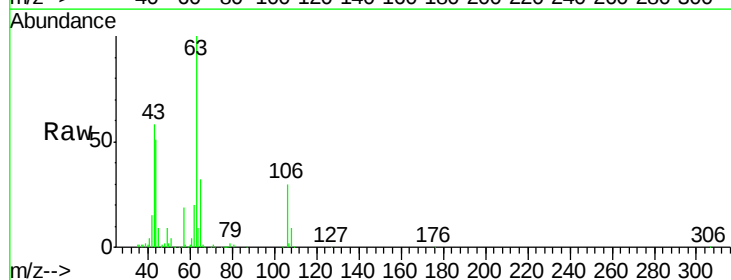
Manual Integrations  
 APPROVED

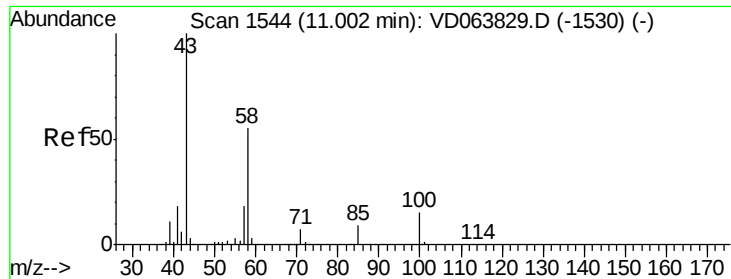
MMDadoda  
 10/1/2019 9:26:14 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 343.513 ug/l  
 RT: 9.96 min Scan# 1367  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Tgt Ion: 63 Resp: 410099  
 Ion Ratio Lower Upper  
 63 100  
 106 30.0 23.4 35.0





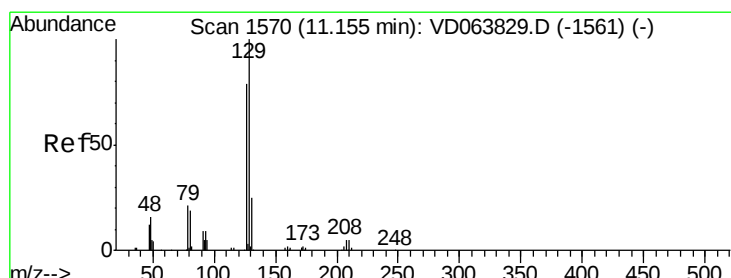
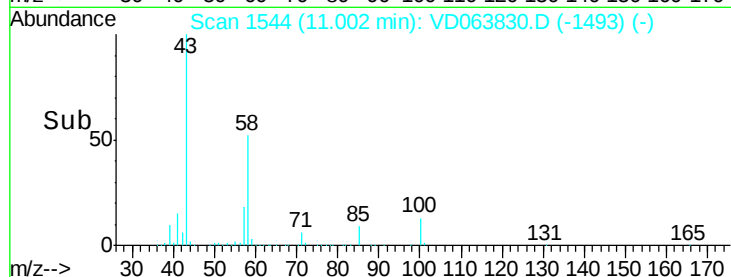
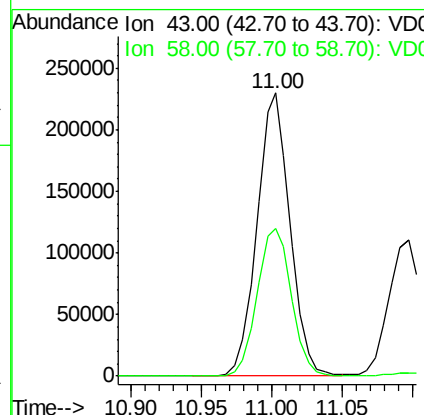
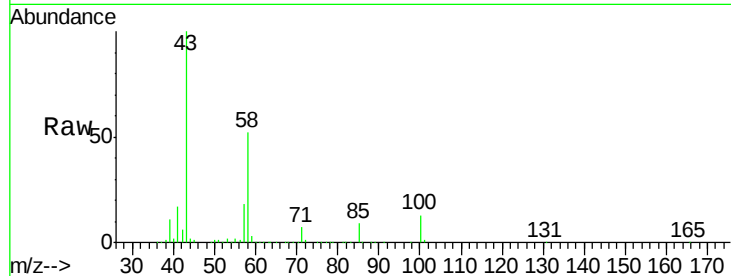
#59  
2-Hexanone  
Concen: 322.357 ug/l  
RT: 11.00 min Scan# 1544  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

Tot Ion: 43 Resp: 375771  
Ion Ratio Lower Upper  
43 100  
58 54.4 27.6 82.7

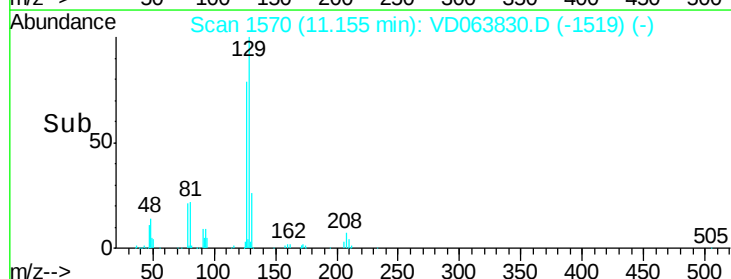
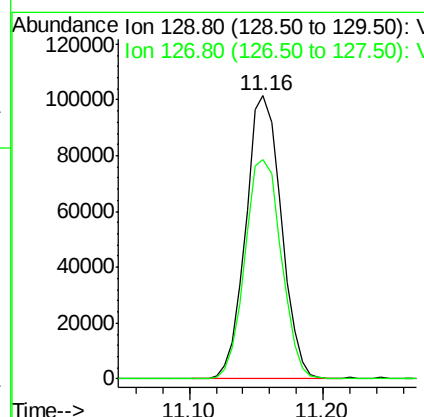
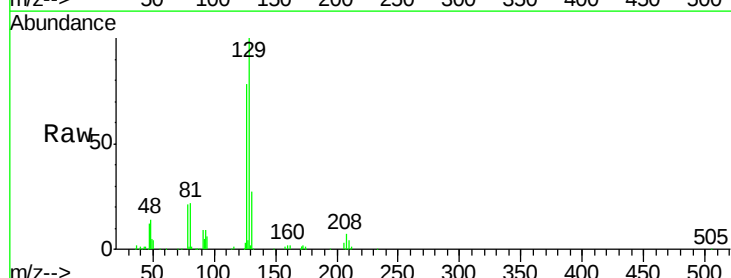
Manual Integrations  
APPROVED

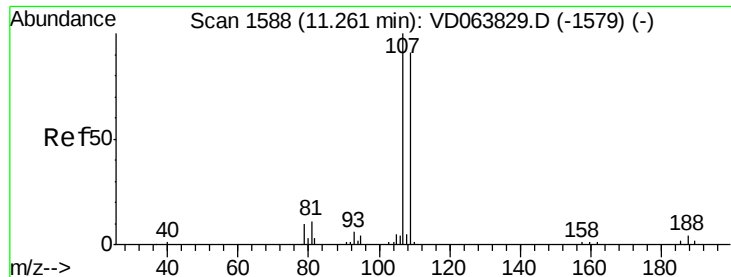
MMDadoda  
10/1/2019 9:26:14 AM



#60  
Dibromochloromethane  
Concen: 67.295 ug/l  
RT: 11.16 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Tgt Ion: 129 Resp: 186635  
Ion Ratio Lower Upper  
129 100  
127 79.2 38.8 116.3





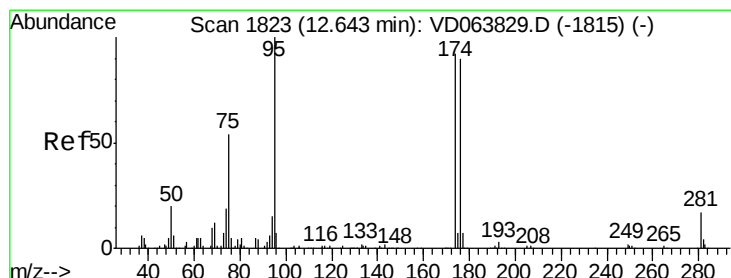
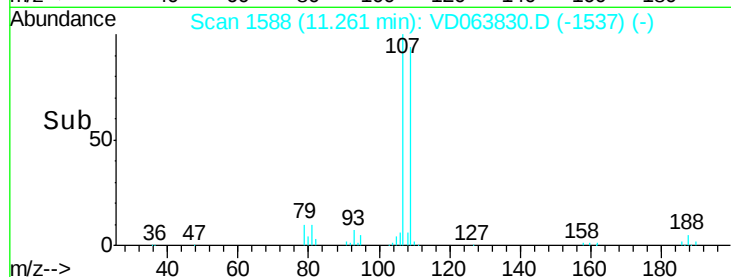
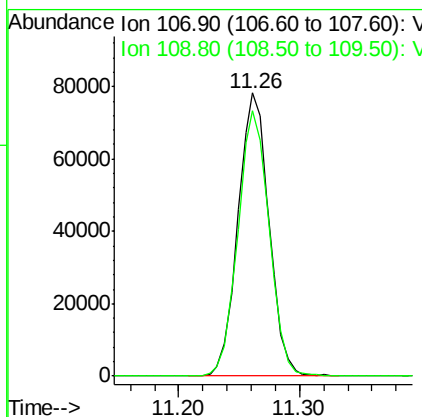
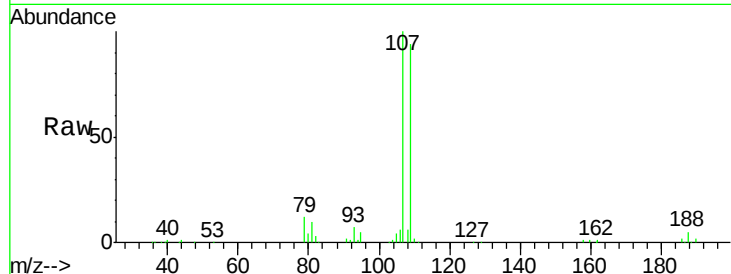
#61  
 1,2-Dibromoethane  
 Concen: 66.560 ug/l  
 RT: 11.26 min Scan# 1588  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 139836 |       |       |
| 109     | 94.7  | 74.9   | 112.3 |       |

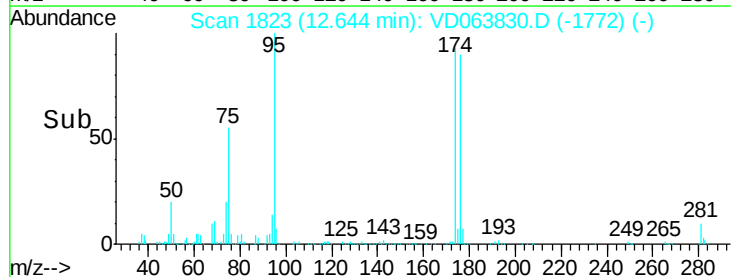
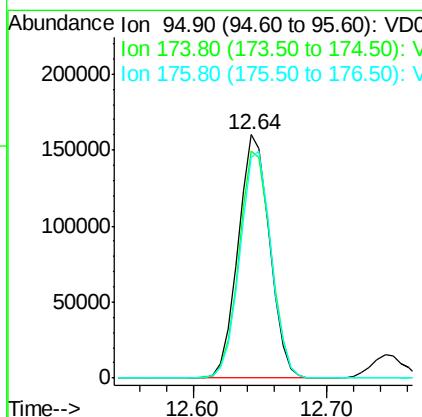
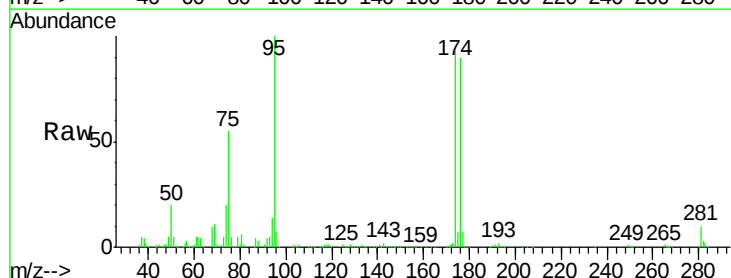
Manual Integrations  
 APPROVED

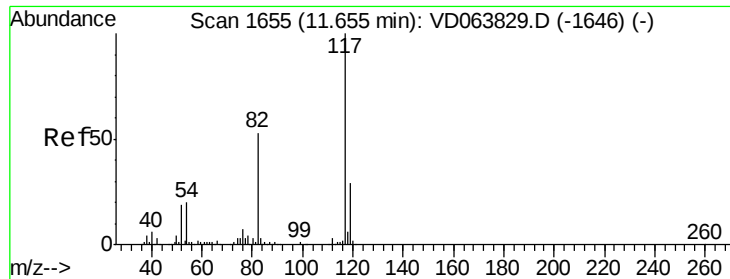
MMDadoda  
 10/1/2019 9:26:14 AM



#62  
 4-Bromofluorobenzene  
 Concen: 71.643 ug/l  
 RT: 12.64 min Scan# 1823  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 260889 |       |       |
| 174     | 94.6  | 0.0    | 183.2 |       |
| 176     | 92.5  | 0.0    | 177.4 |       |





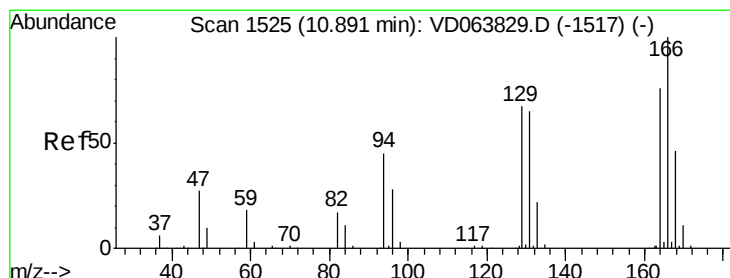
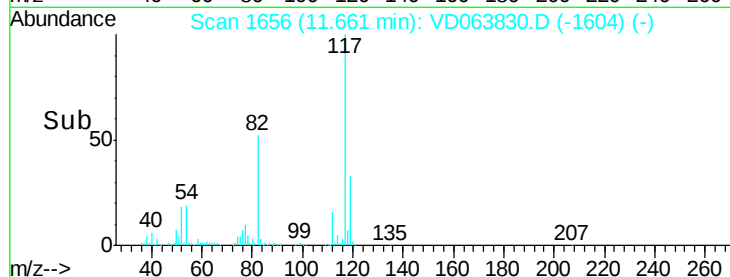
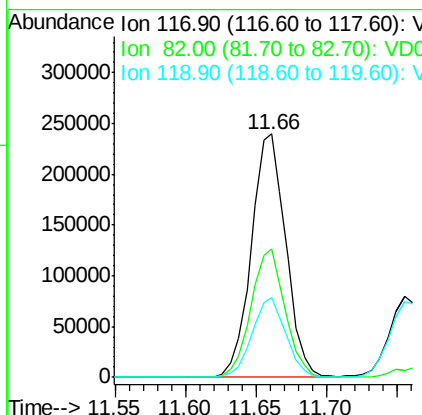
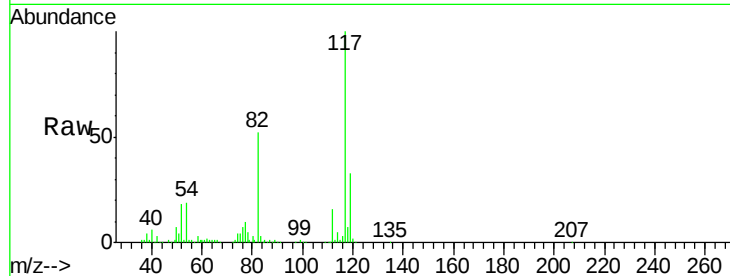
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.66 min Scan# 1656  
Delta R.T. 0.01 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.5  | 42.4  | 63.6  |
| 119     | 32.9  | 23.5  | 35.3  |

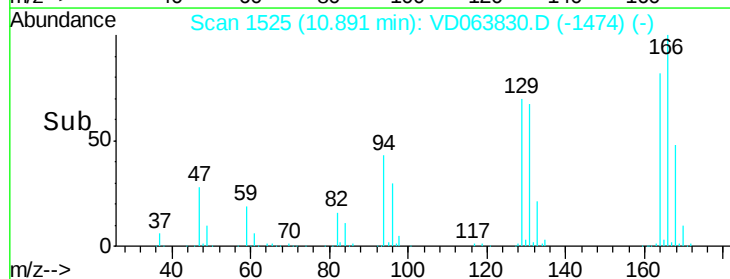
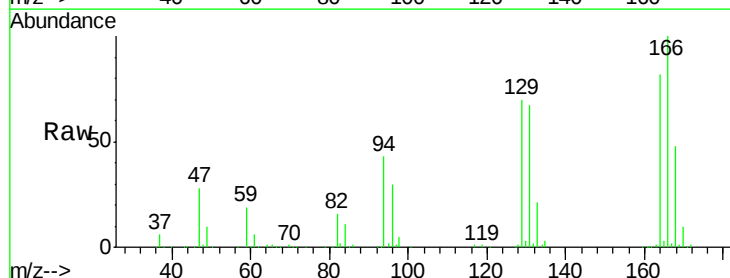
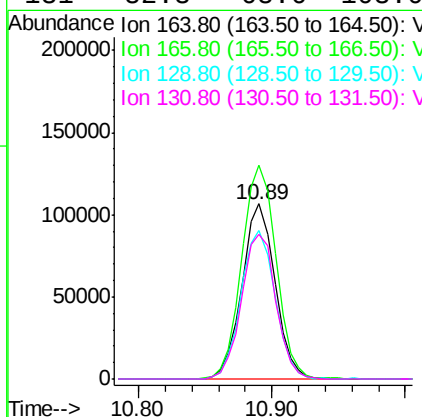
Manual Integrations  
APPROVED

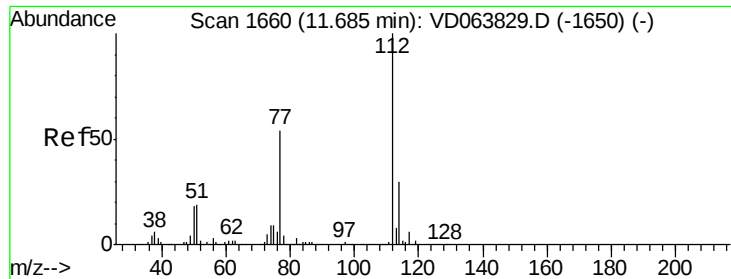
MMDadoda  
10/1/2019 9:26:14 AM



#64  
Tetrachloroethene  
Concen: 66.185 ug/l  
RT: 10.89 min Scan# 1525  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 121.8 | 105.5 | 158.3 |
| 129     | 84.8  | 70.2  | 105.4 |
| 131     | 82.3  | 68.6  | 103.0 |





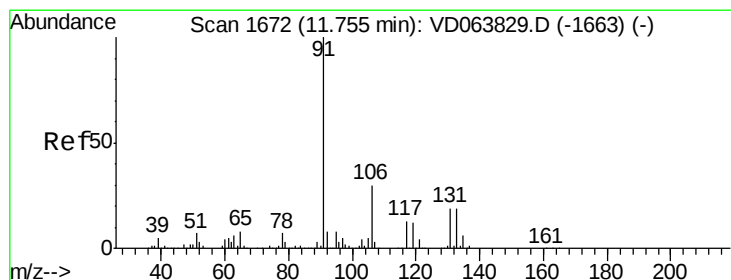
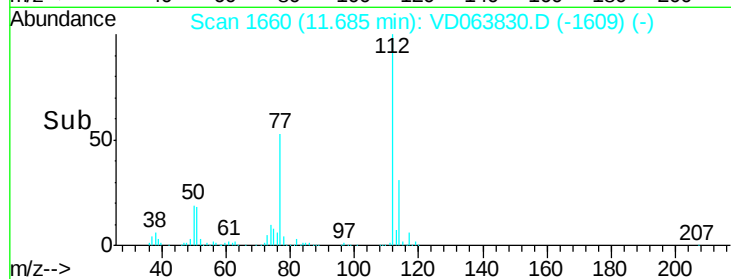
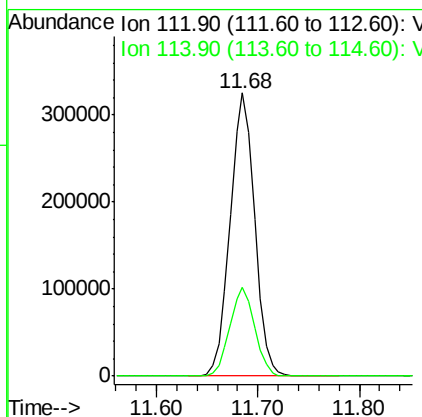
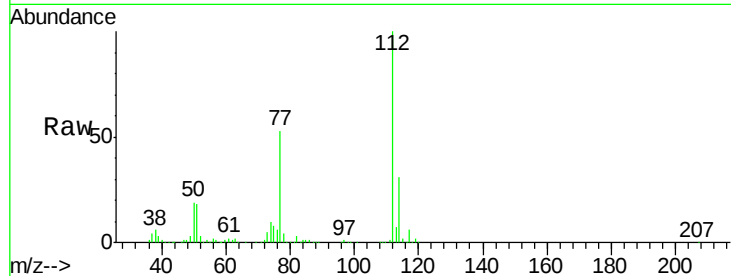
#65  
Chlorobenzene  
Concen: 66.416 ug/l  
RT: 11.68 min Scan# 1660  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.5  | 24.2  | 36.2  |

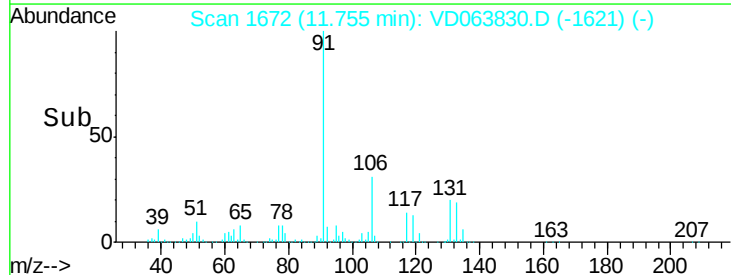
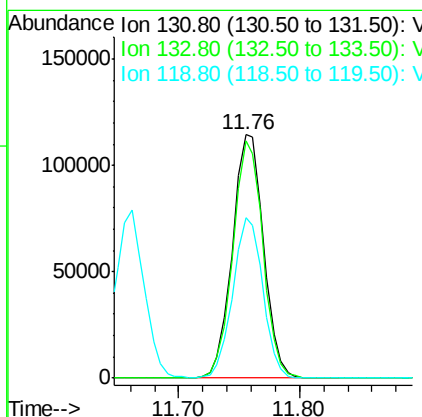
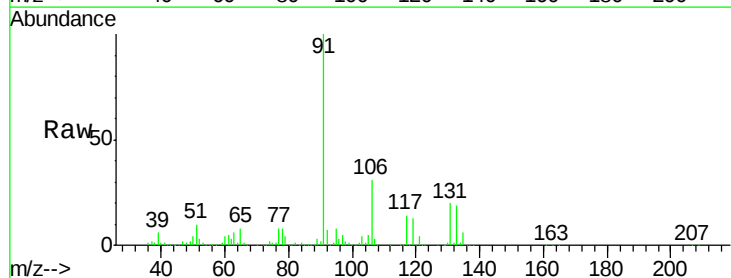
Manual Integrations  
APPROVED

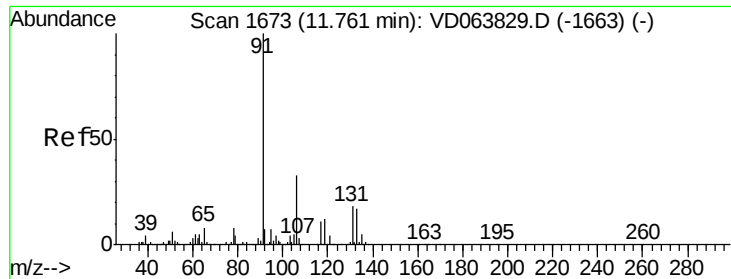
MMDadoda  
10/1/2019 9:26:14 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 68.148 ug/l  
RT: 11.76 min Scan# 1672  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 93.9  | 47.4  | 142.3 |
| 119     | 62.9  | 31.6  | 94.8  |





#67

Ethyl Benzene

Concen: 65.649 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 976736

Ion Ratio Lower Upper

91 100

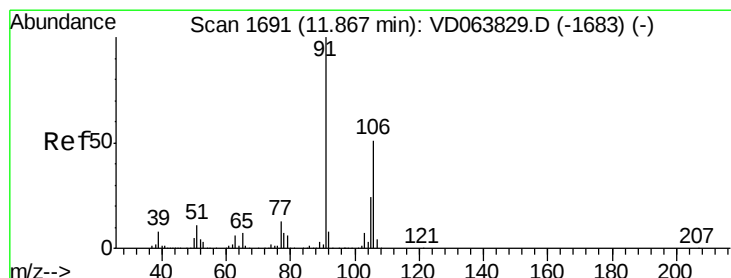
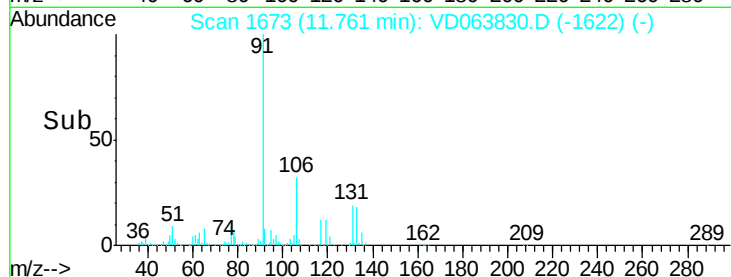
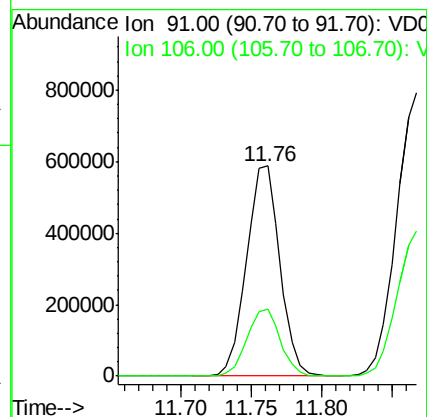
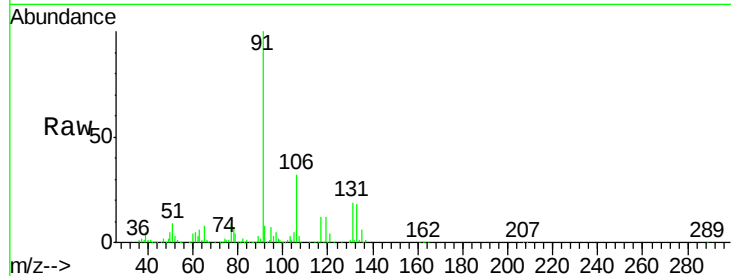
106 32.0 26.6 40.0

Manual Integrations

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10/1/2019 9:26:14 AM



#68

m/p-Xylenes

Concen: 132.847 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063830.D

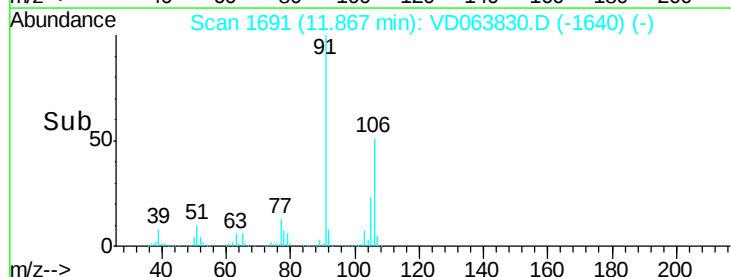
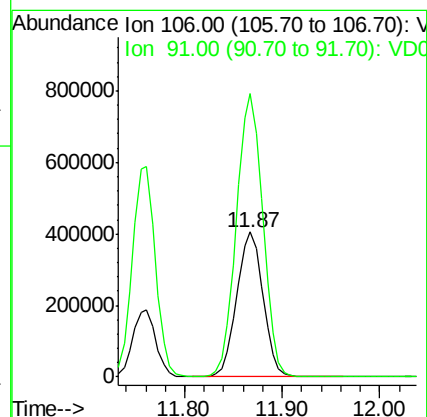
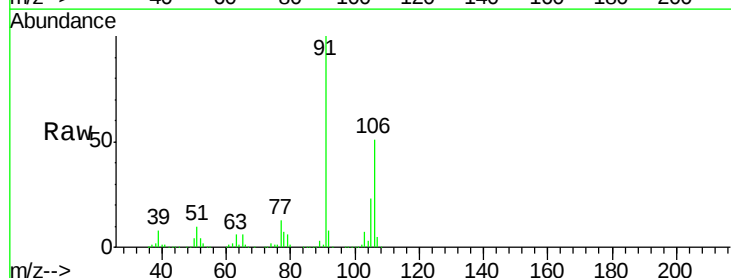
Acq: 25 Sep 2019 18:48

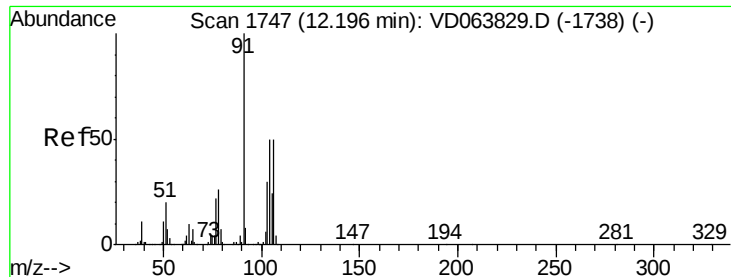
Tgt Ion: 106 Resp: 759007

Ion Ratio Lower Upper

106 100

91 195.8 157.6 236.4





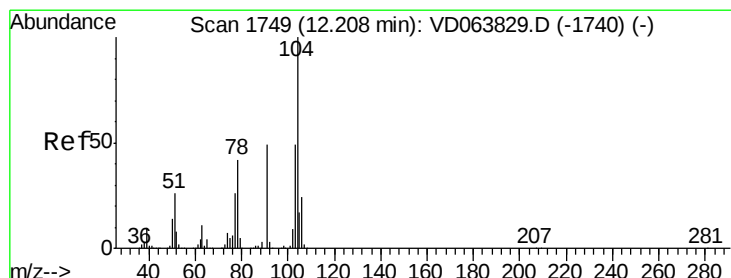
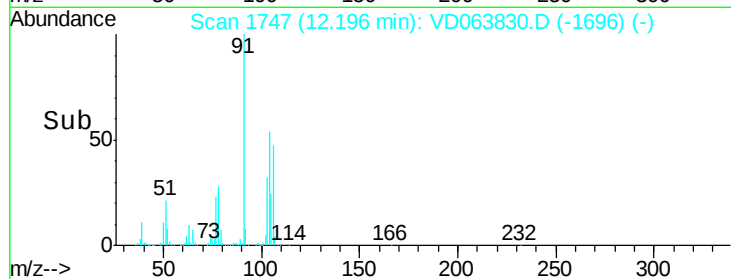
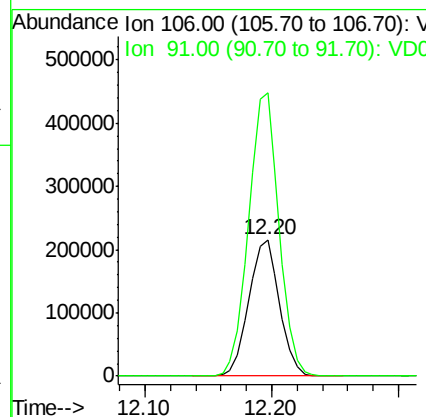
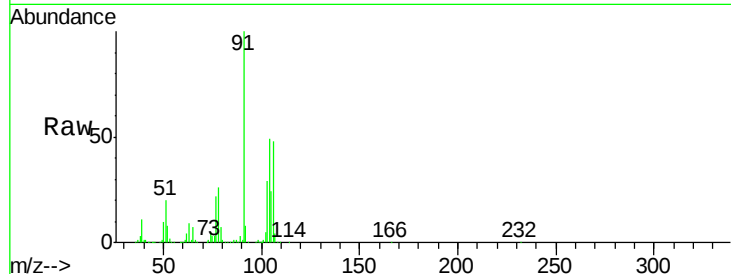
#69  
o-Xylene  
Concen: 66.814 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 360306 |       |       |
| 91      | 206.4 | 102.4  | 307.1 |       |

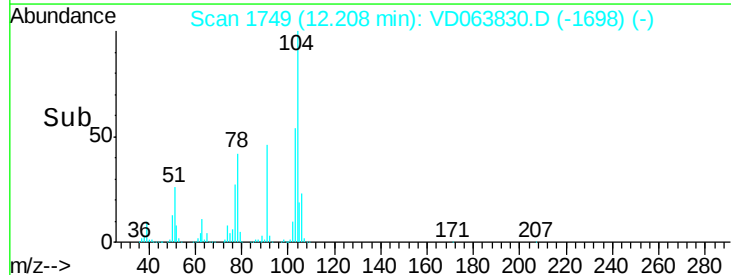
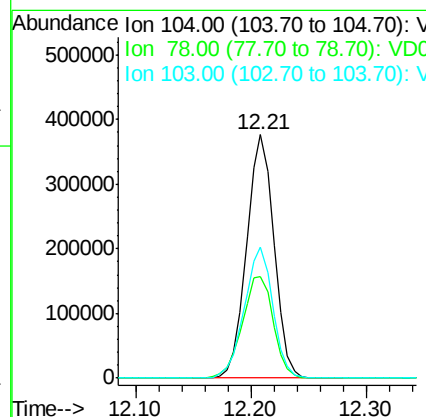
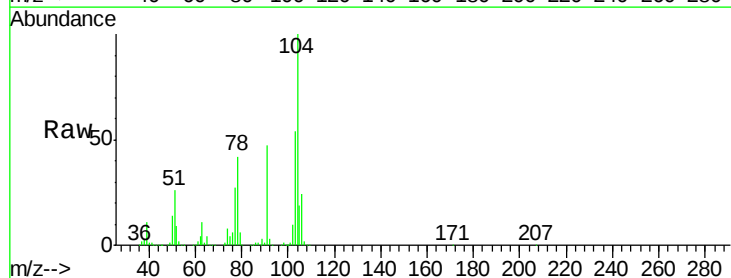
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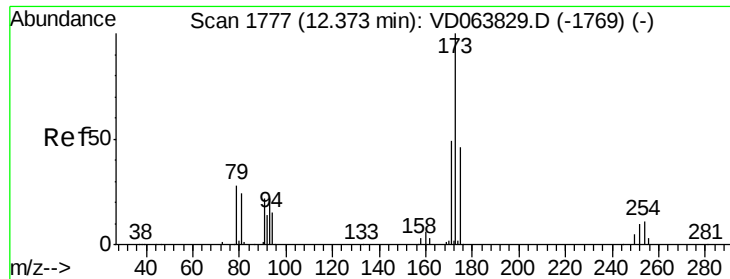
MMDadoda  
10/1/2019 9:26:14 AM



#70  
Styrene  
Concen: 67.933 ug/l  
RT: 12.21 min Scan# 1749  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 619999 |       |       |
| 78      | 47.4  | 37.3   | 55.9  |       |
| 103     | 56.2  | 44.2   | 66.4  |       |





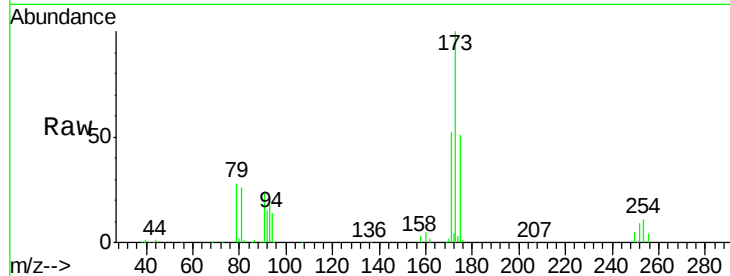
#71  
Bromoform  
Concen: 73.261 ug/l  
RT: 12.37 min Scan# 1777  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

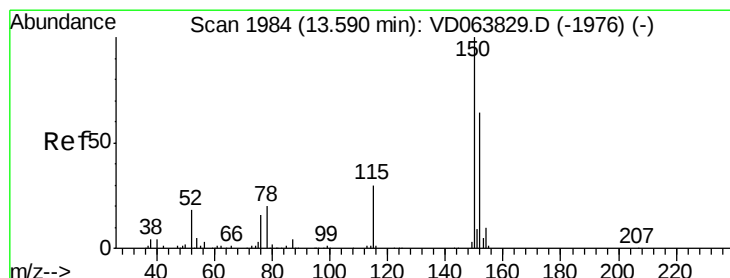
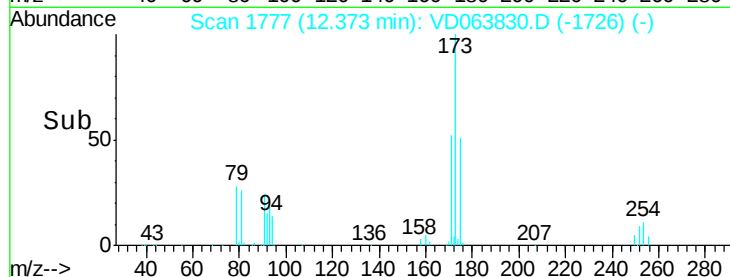
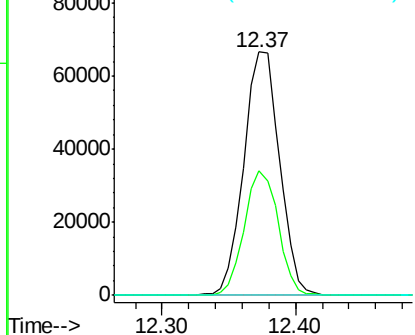
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 173     | 100   | 123194 |       |       |
| 175     | 48.4  | 23.3   | 69.8  |       |
| 254     | 0.1   | 0.1    | 0.1#  |       |

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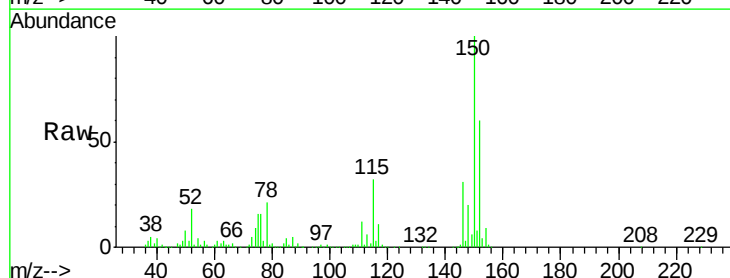


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

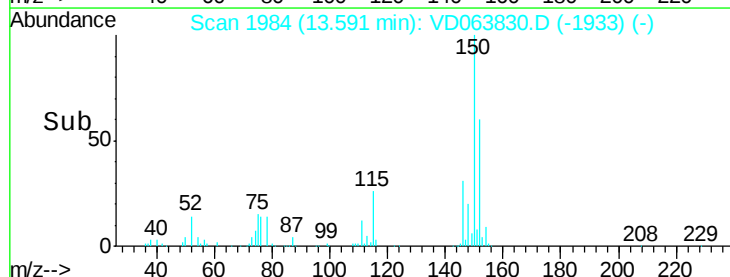
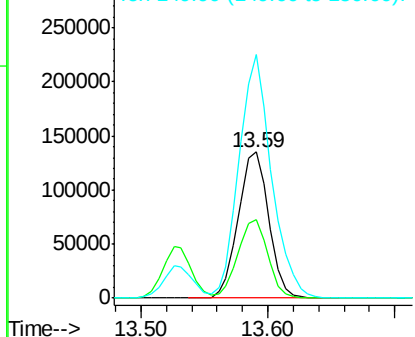


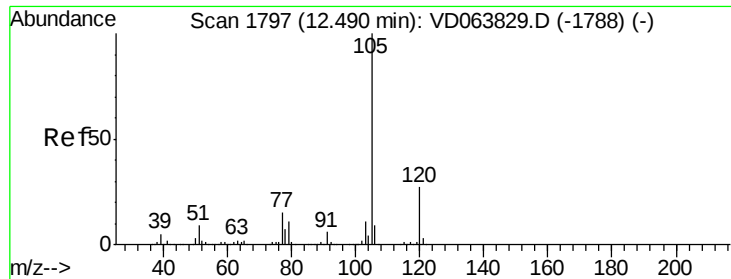
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.59 min Scan# 1984  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 224423 |       |       |
| 115     | 53.1  | 27.0   | 81.0  |       |
| 150     | 177.7 | 0.0    | 344.0 |       |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 63.348 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 971048

Ion Ratio Lower Upper

105 100

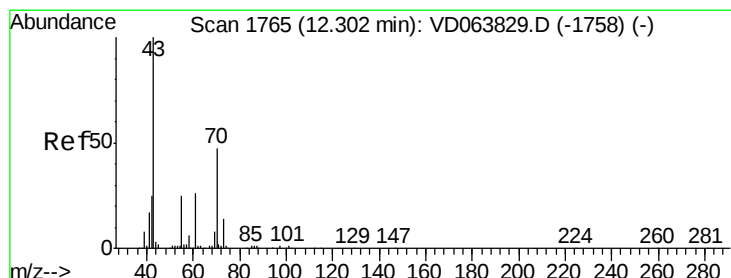
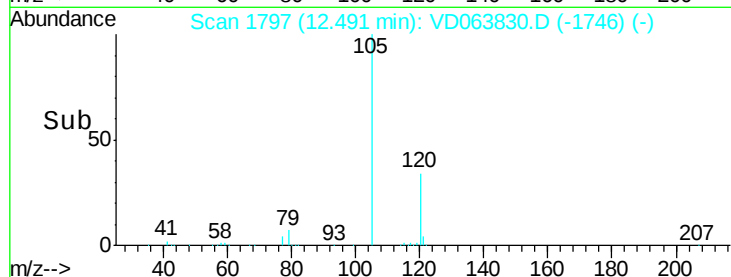
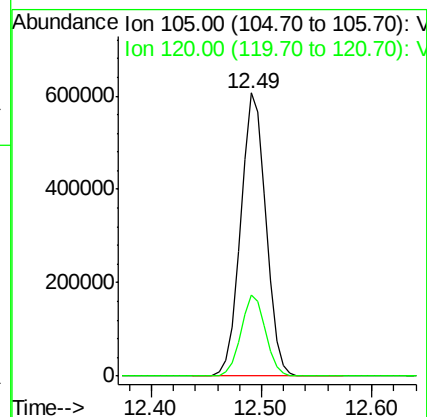
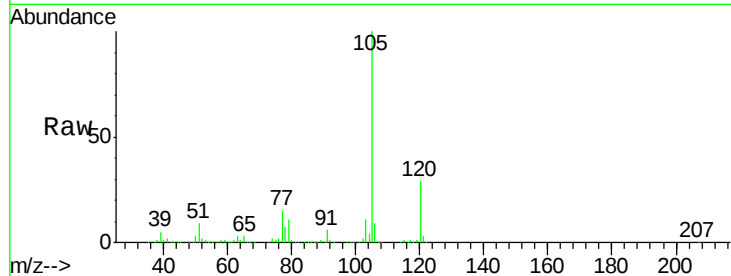
120 27.9 13.7 41.0

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#74

N-ethyl acetate

Concen: 61.011 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tgt Ion: 43 Resp: 204730

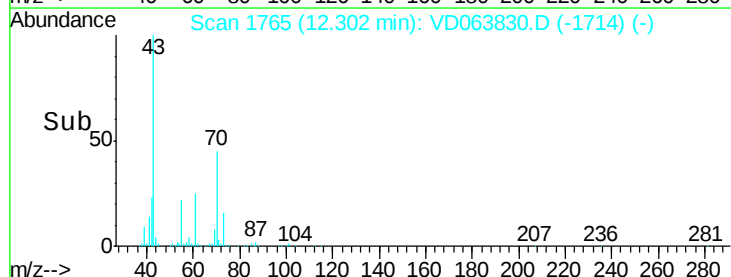
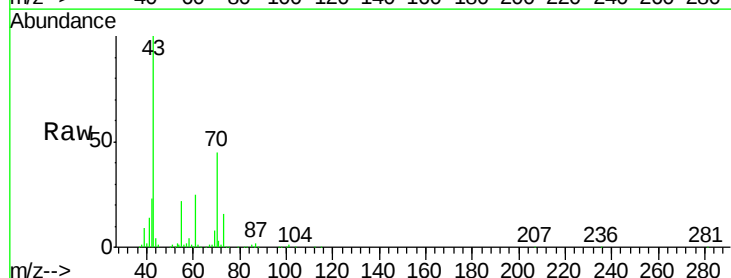
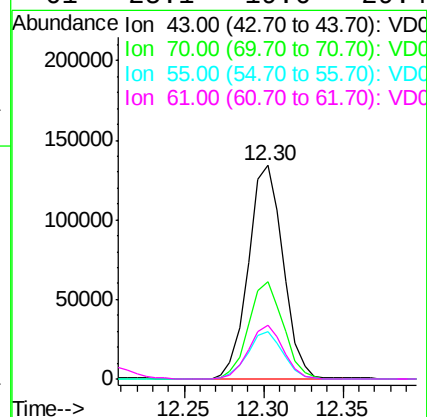
Ion Ratio Lower Upper

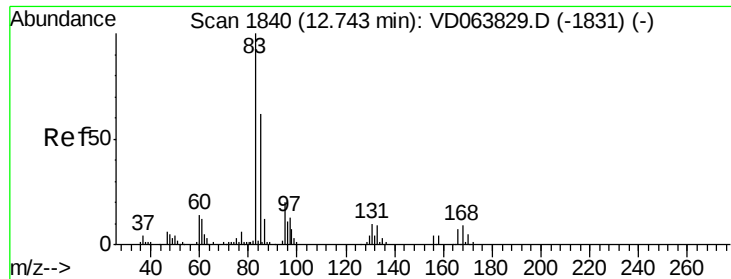
43 100

70 45.6 35.0 52.6

55 22.8 19.8 29.6

61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 62.815 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

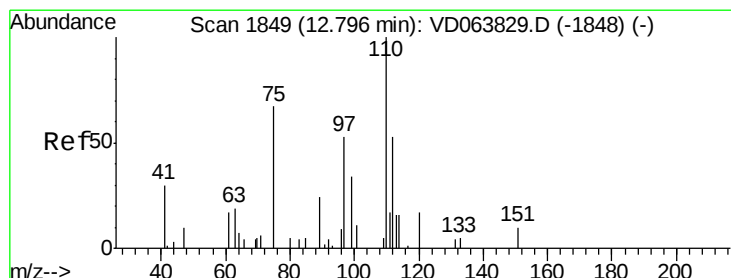
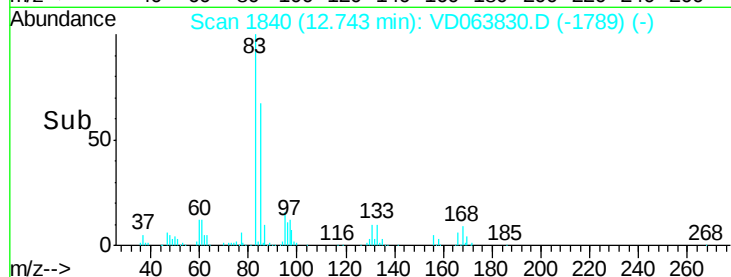
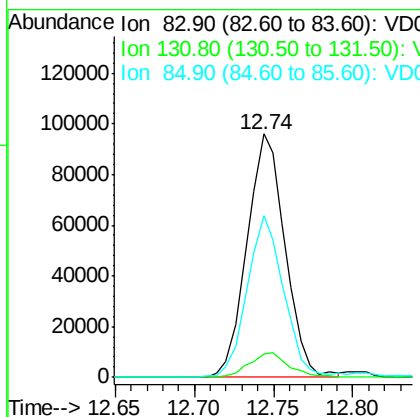
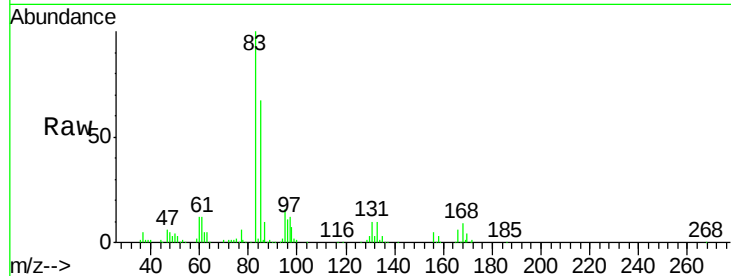
ClientSampleId :

VSTDIC075

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 160495 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.0  | 5.6   | 16.8   |
| 85        | 63.6  | 31.9  | 95.7   |

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#76

1,2,3-Trichloropropane

Concen: 76.466 ug/l m

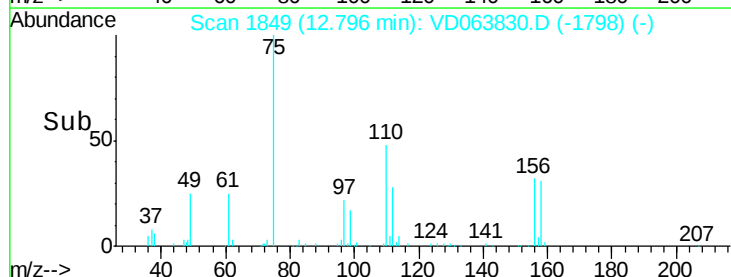
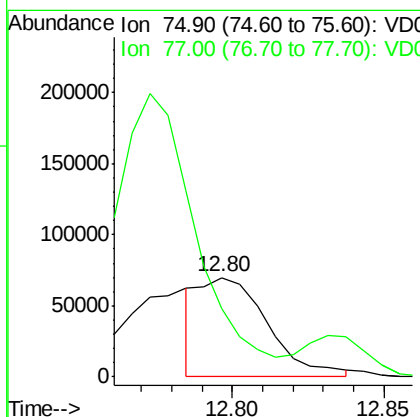
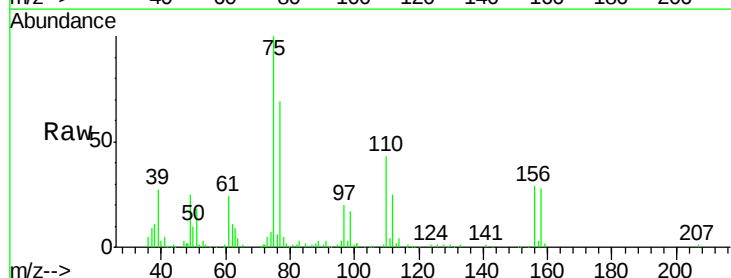
RT: 12.80 min Scan# 1849

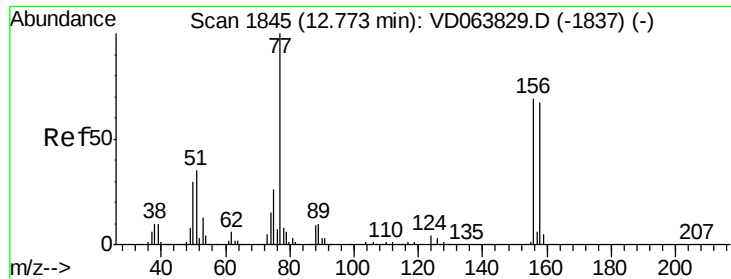
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 108833 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





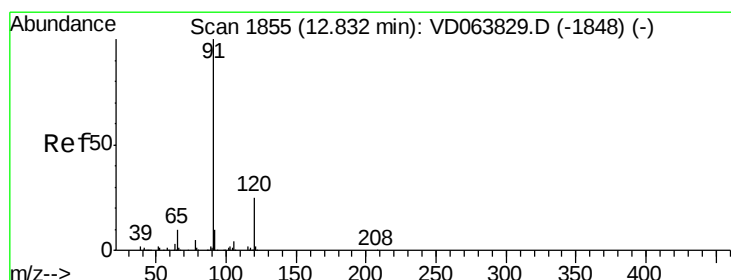
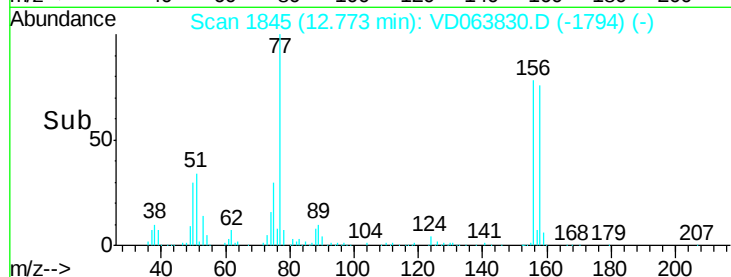
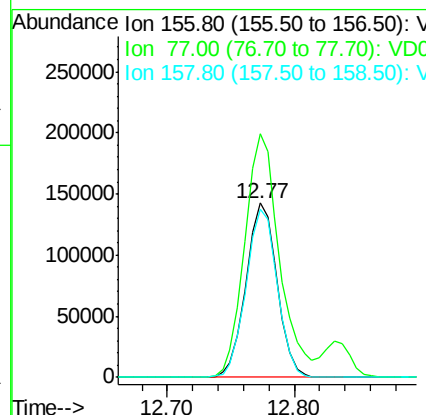
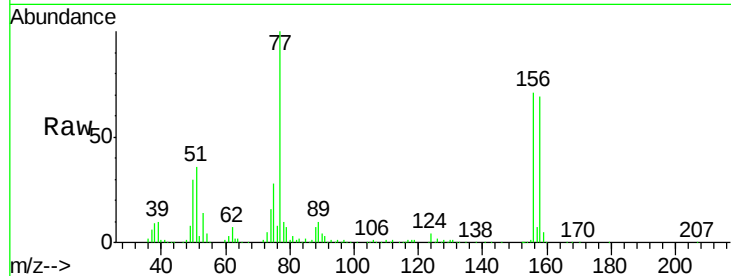
#77  
Bromobenzene  
Concen: 65.748 ug/l  
RT: 12.77 min Scan# 1845  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 156     | 100   |       | 242211 |       |       |
| 77      | 156.0 | 79.8  | 239.4  |       |       |
| 158     | 97.1  | 47.9  | 143.7  |       |       |

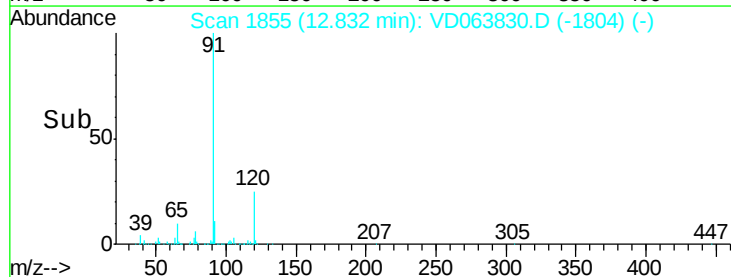
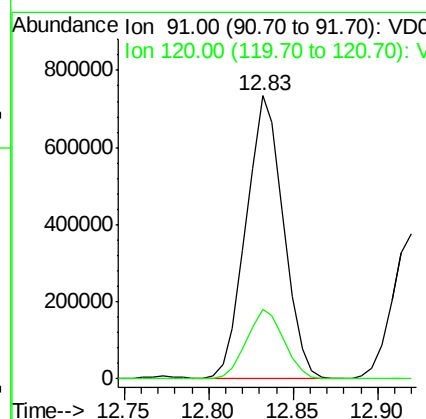
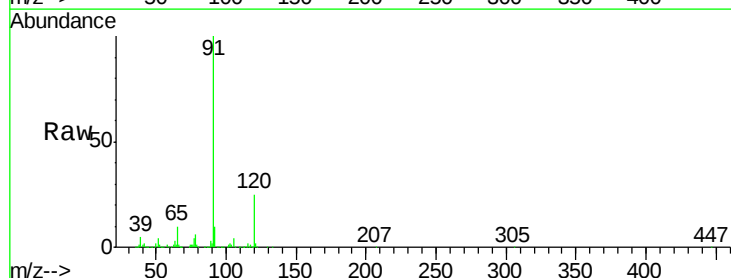
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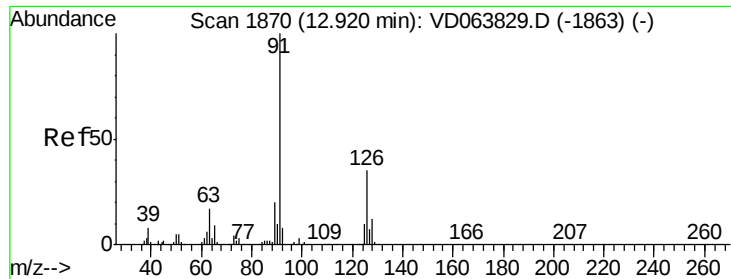
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#78  
n-propylbenzene  
Concen: 62.828 ug/l  
RT: 12.83 min Scan# 1855  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 91      | 100  |       | 1133061 |       |       |
| 120     | 24.6 | 12.5  | 37.5    |       |       |





#79

2-Chlorotoluene

Concen: 64.559 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 627980

Ion Ratio Lower Upper

91 100

126 36.1

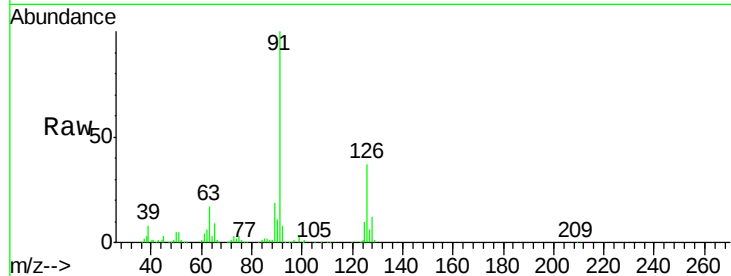
17.8

53.5

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

500000

400000

300000

200000

100000

0

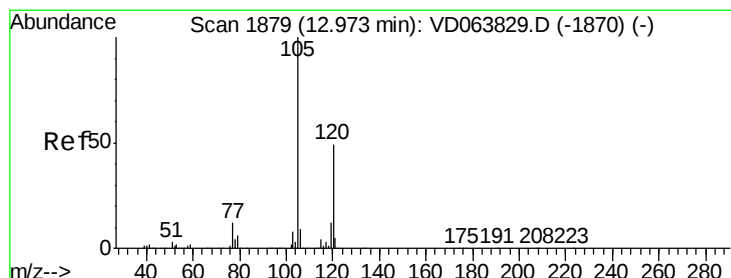
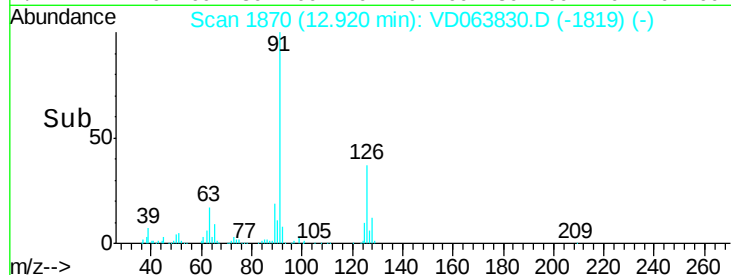
12.85

12.90

12.92

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 64.544 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Tgt Ion: 105 Resp: 824781

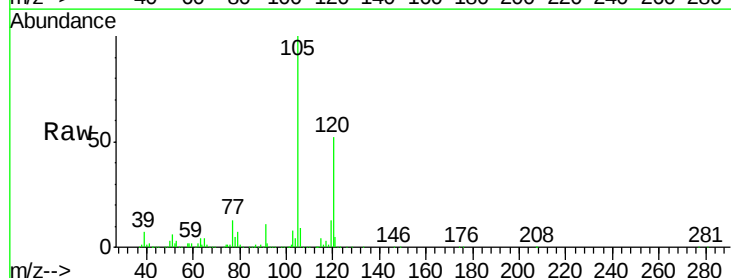
Ion Ratio Lower Upper

105 100

120 50.2

24.9

74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

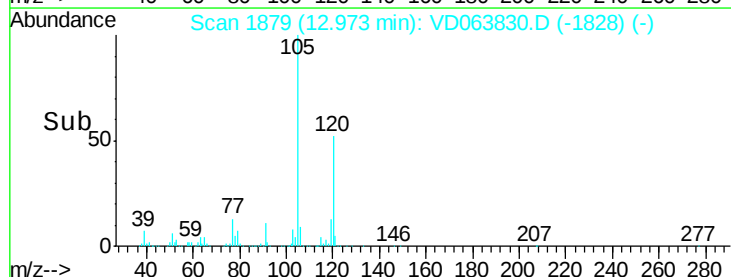
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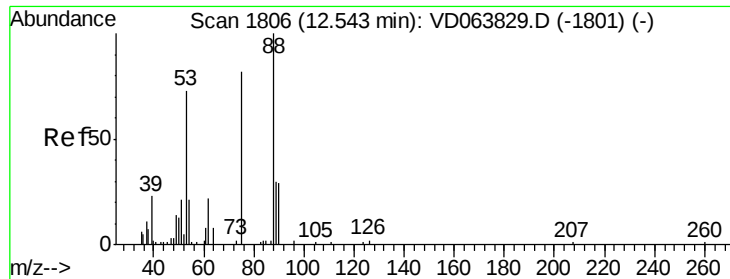
12.90

12.97

13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 62.353 ug/l

RT: 12.54 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

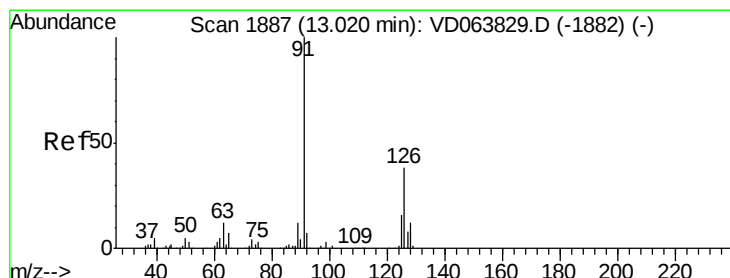
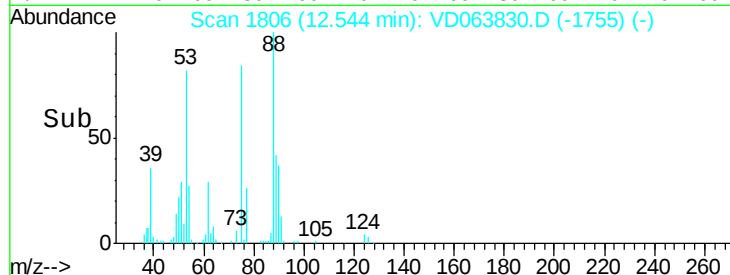
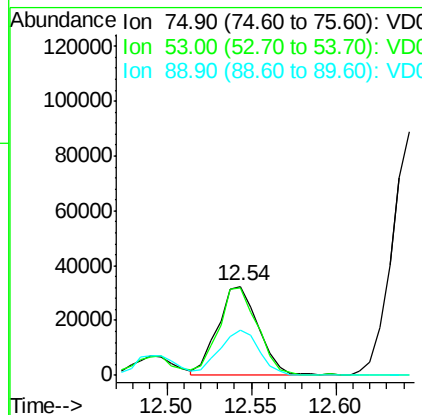
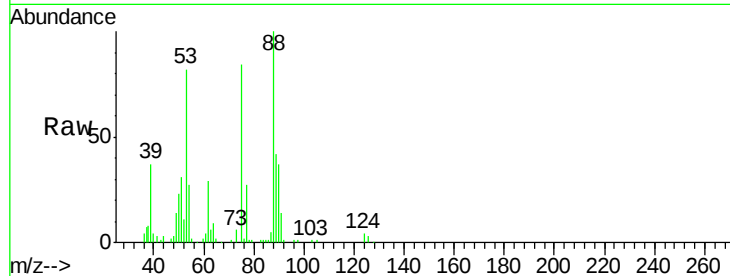
ClientSampleId :

VSTDIC075

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 53129 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 96.0  | 76.5  | 114.7 |
| 89       | 50.9  | 37.0  | 55.6  |

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#82

4-Chlorotoluene

Concen: 62.310 ug/l

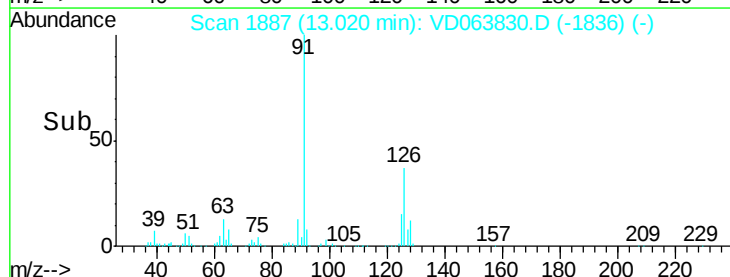
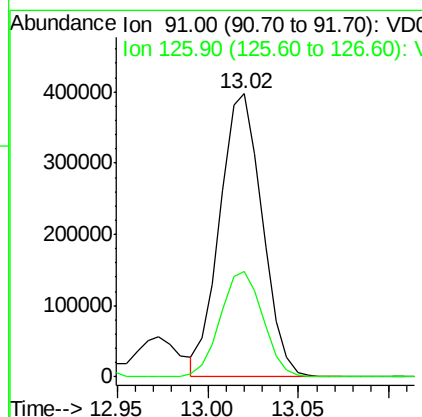
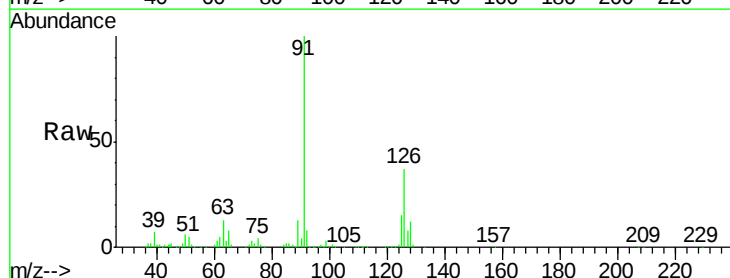
RT: 13.02 min Scan# 1887

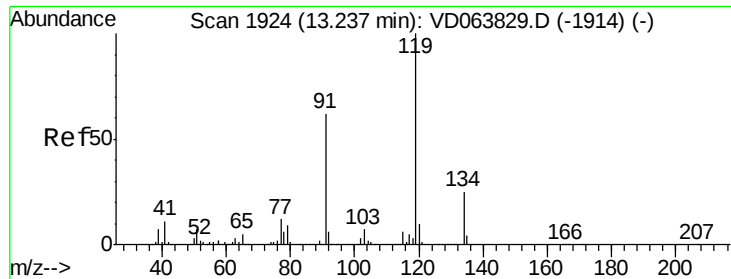
Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 646563 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 37.5  | 18.6  | 55.6   |





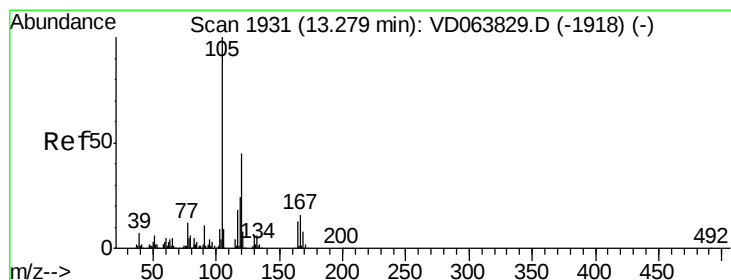
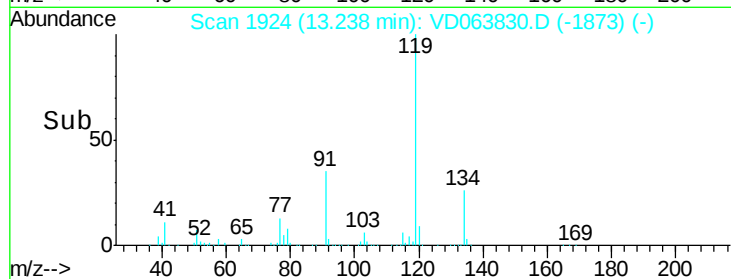
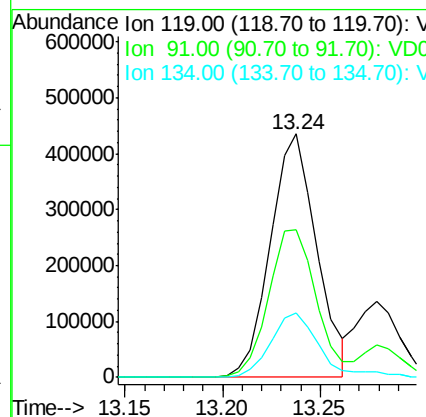
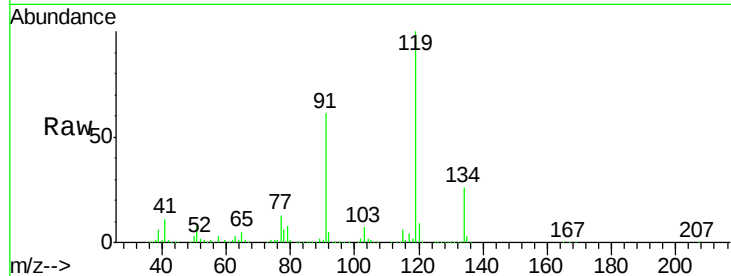
#83  
 tert-Butylbenzene  
 Concen: 64.068 ug/l  
 RT: 13.24 min Scan# 1924  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 715351 |       |       |
| 91      | 63.4  | 30.8   | 92.3  |       |
| 134     | 28.2  | 13.2   | 39.6  |       |

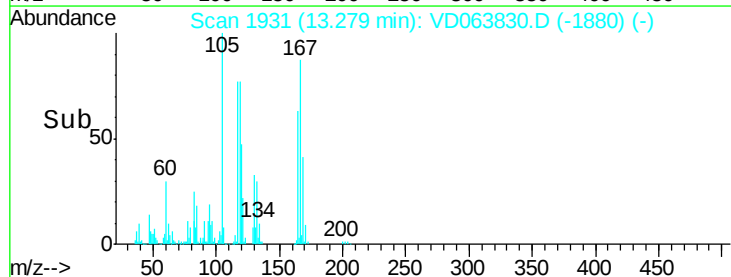
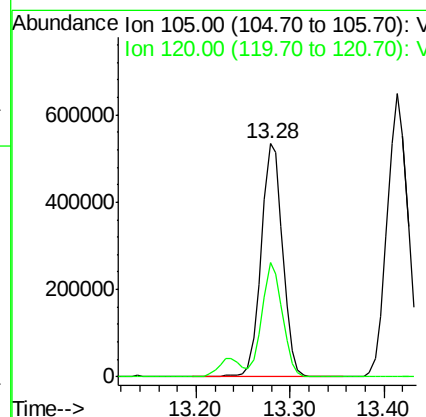
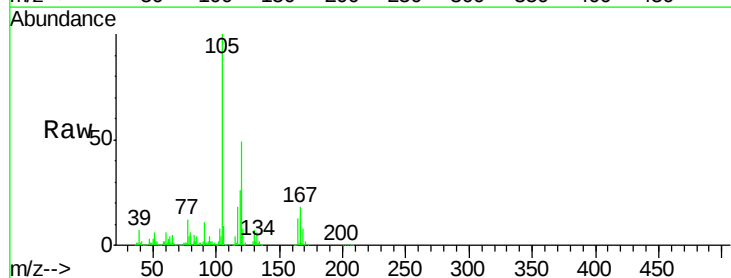
Manual Integrations  
 APPROVED

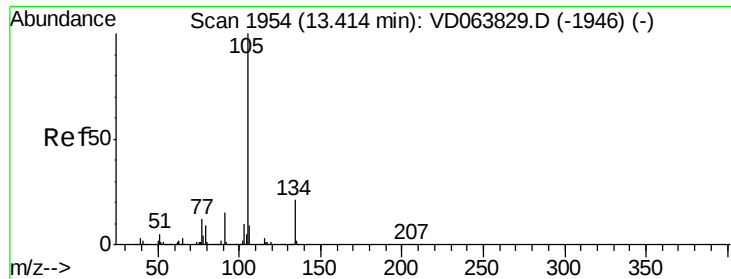
MMDadoda  
 10/1/2019 9:26:14 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 65.119 ug/l  
 RT: 13.28 min Scan# 1931  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 844778 |       |       |
| 120     | 46.3  | 23.0   | 69.0  |       |





#85

sec-Butylbenzene

Concen: 64.063 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 995325

Ion Ratio Lower Upper

105 100

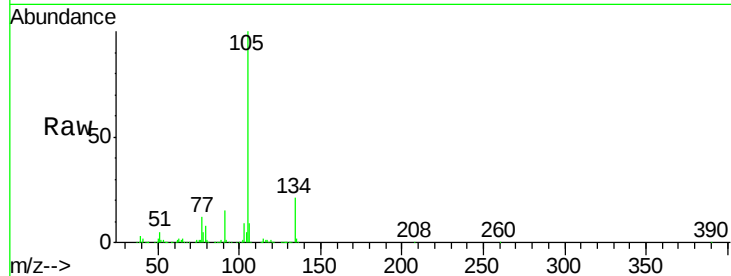
134 21.5 10.7 31.9

Manual Integrations

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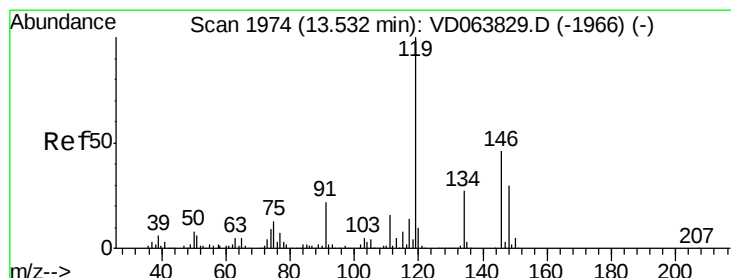
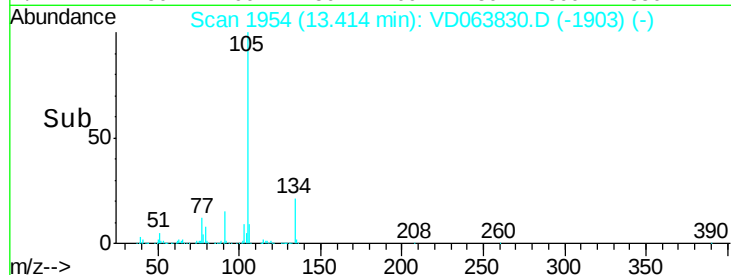
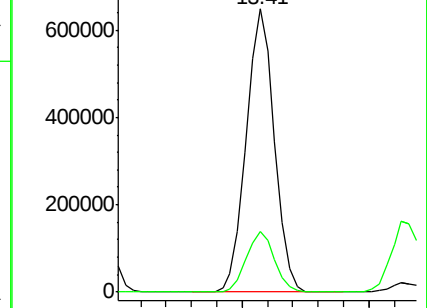
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 65.327 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.01 min

Lab File: VD063830.D

Acq: 25 Sep 2019 18:48

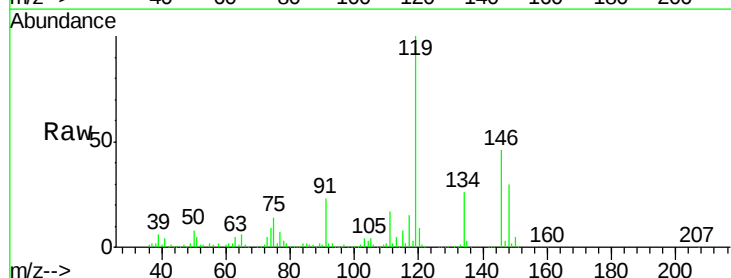
Tgt Ion:119 Resp: 953220

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

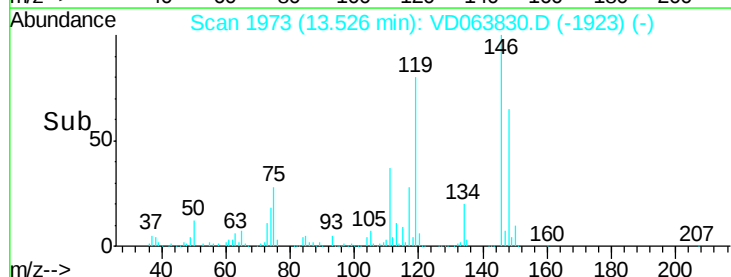
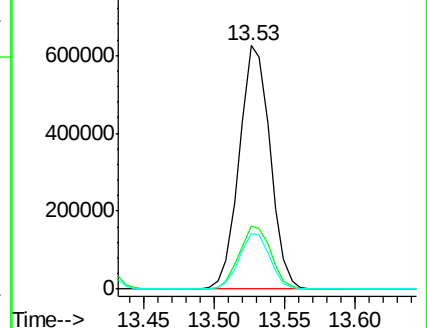
91 22.6 11.4 34.1

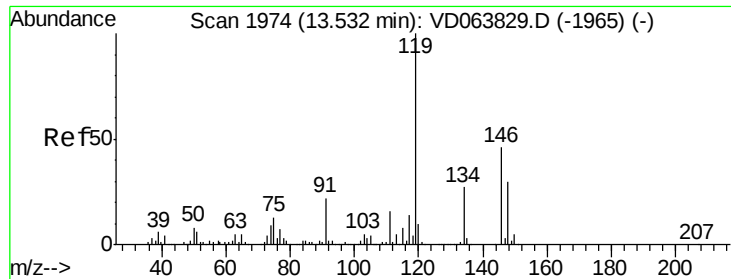


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





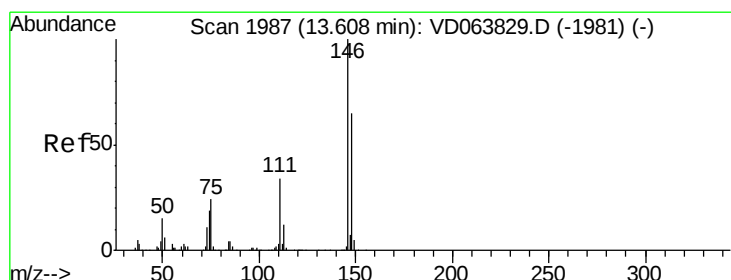
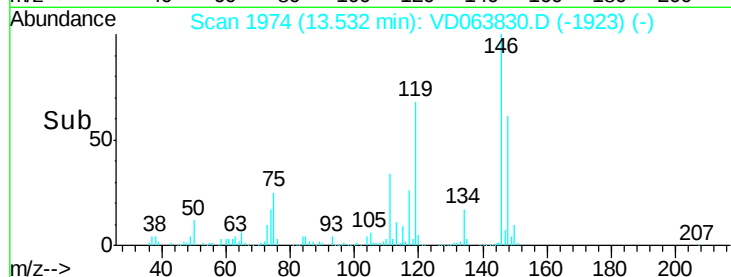
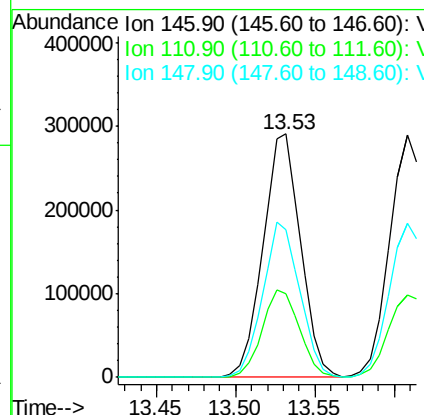
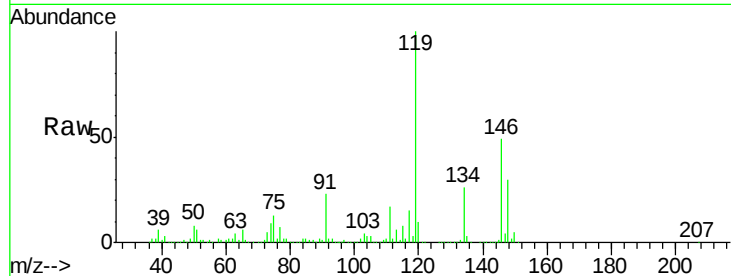
#87  
 1,3-Dichlorobenzene  
 Concen: 66.314 ug/l  
 RT: 13.53 min Scan# 1974  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 479653 |       |       |
| 111     | 35.9  | 18.3   | 54.8  |       |
| 148     | 63.1  | 31.8   | 95.4  |       |

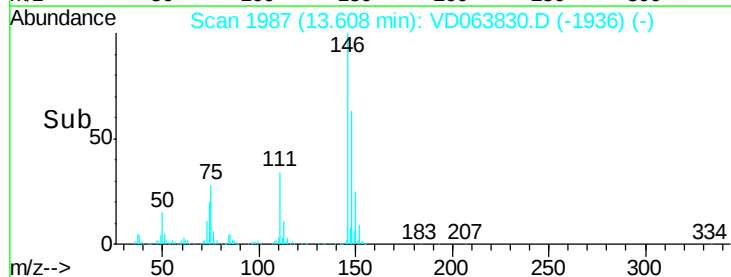
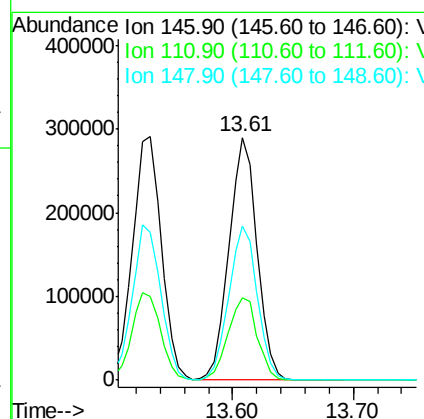
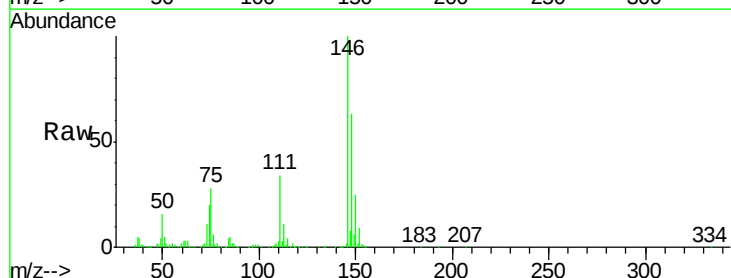
Manual Integrations  
 APPROVED

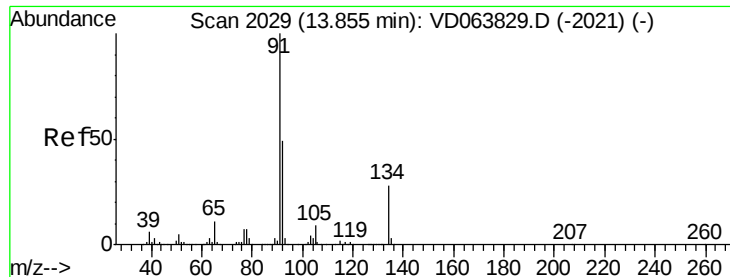
MMDadoda  
 10/1/2019 9:26:14 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 64.765 ug/l  
 RT: 13.61 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 465897 |       |       |
| 111     | 35.4  | 18.5   | 55.5  |       |
| 148     | 64.5  | 33.0   | 99.0  |       |





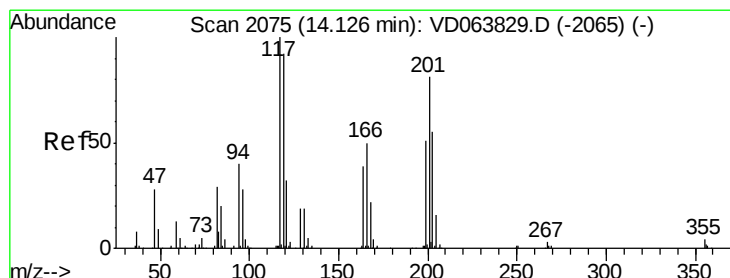
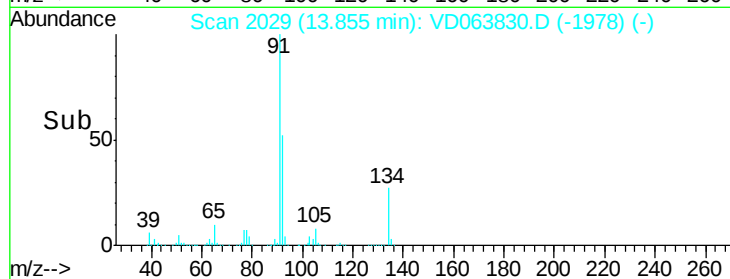
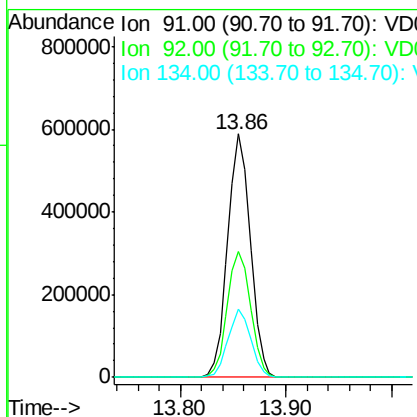
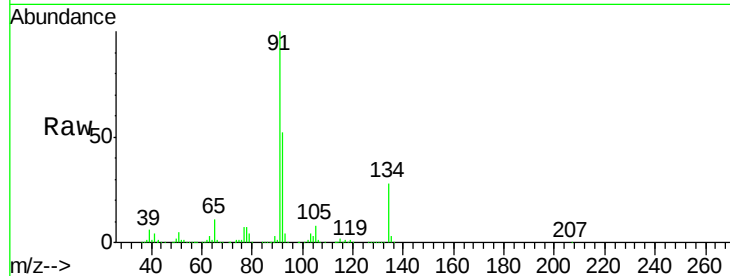
#89  
n-Butylbenzene  
Concen: 62.958 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.1  | 26.1  | 78.2  |
| 134     | 27.9  | 14.0  | 41.9  |

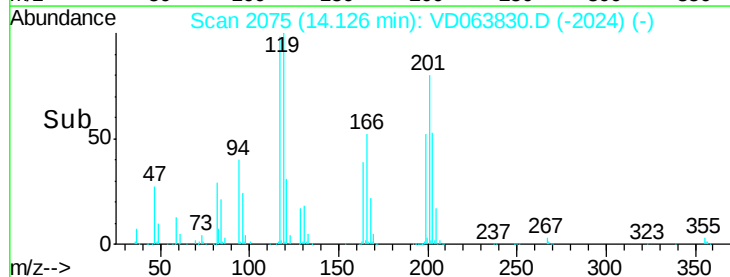
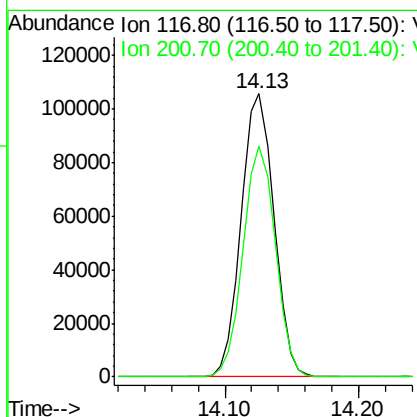
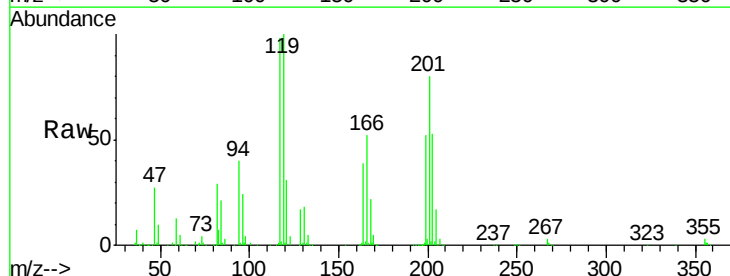
Manual Integrations  
APPROVED

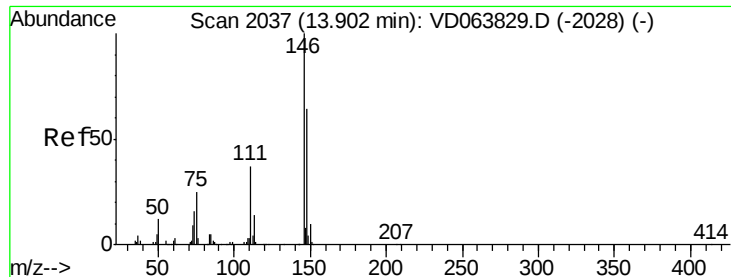
MMDadoda  
10/1/2019 9:26:14 AM



#90  
Hexachloroethane  
Concen: 66.621 ug/l  
RT: 14.13 min Scan# 2075  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.1  | 39.3  | 117.8 |





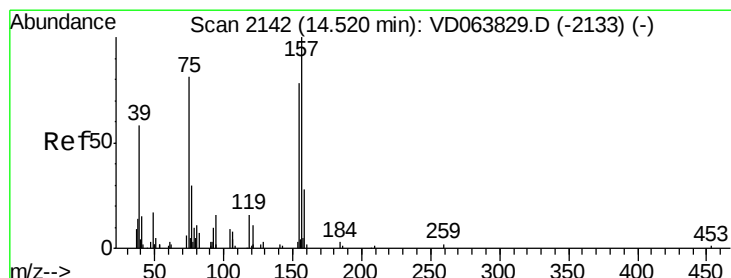
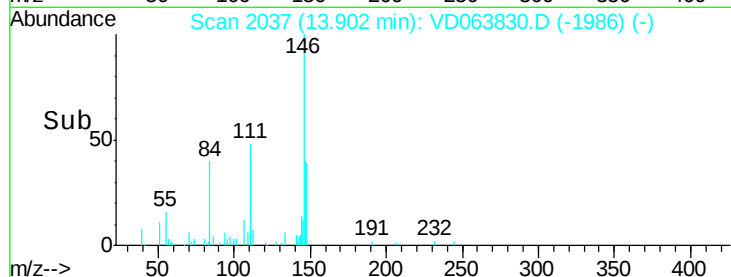
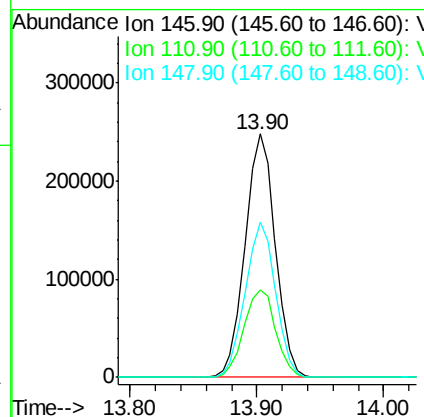
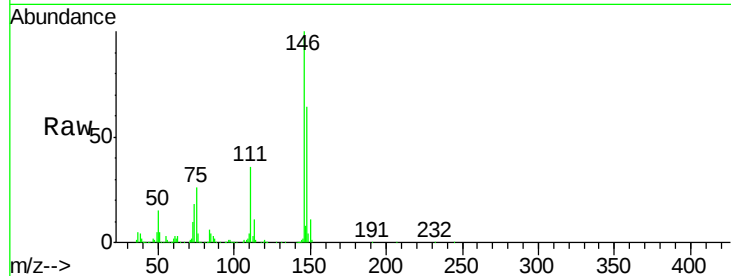
#91  
 1,2-Dichlorobenzene  
 Concen: 66.084 ug/l  
 RT: 13.90 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 410006 |       |       |
| 111     | 38.0  |        | 18.9  | 56.7  |
| 148     | 64.1  |        | 32.2  | 96.6  |

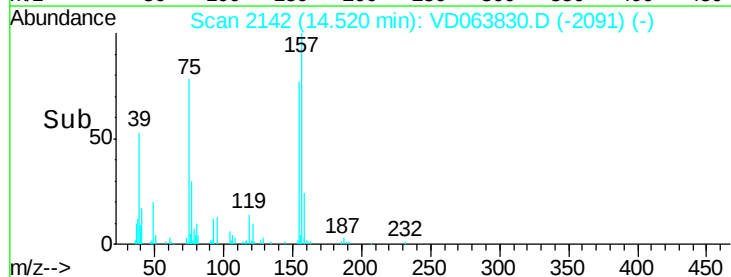
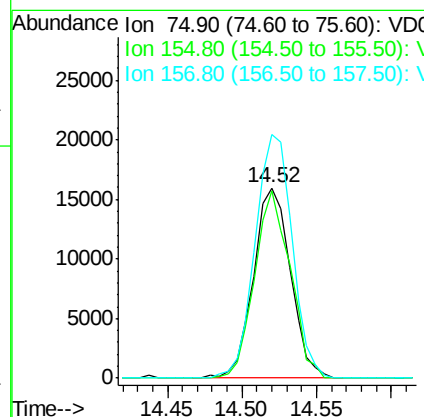
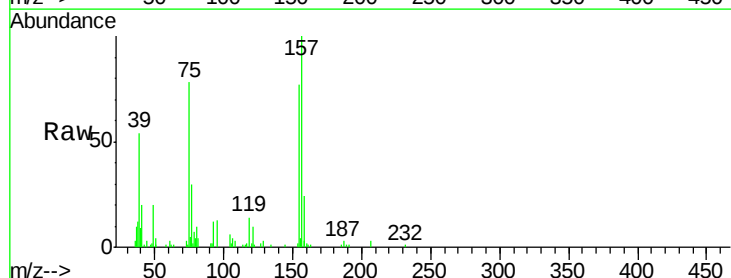
Manual Integrations  
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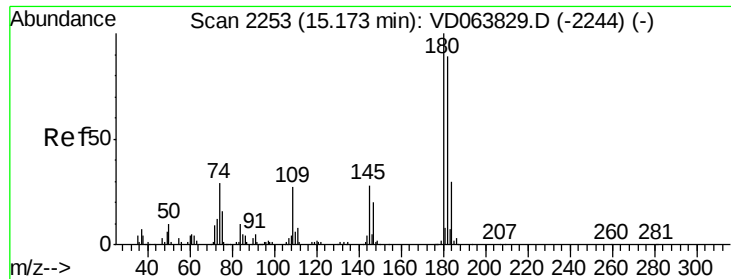
MMDadoda  
 10/1/2019 9:26:14 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 63.604 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 27420 |       |       |
| 155     | 94.6  |       | 48.0  | 144.0 |
| 157     | 127.9 |       | 63.2  | 189.8 |





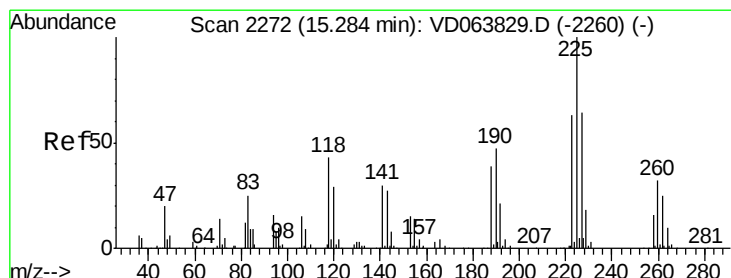
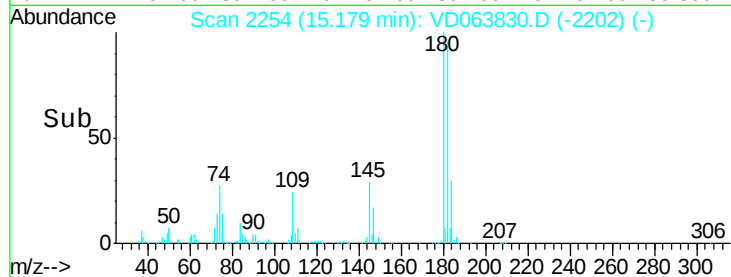
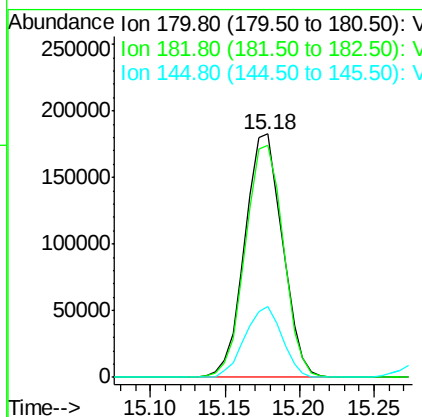
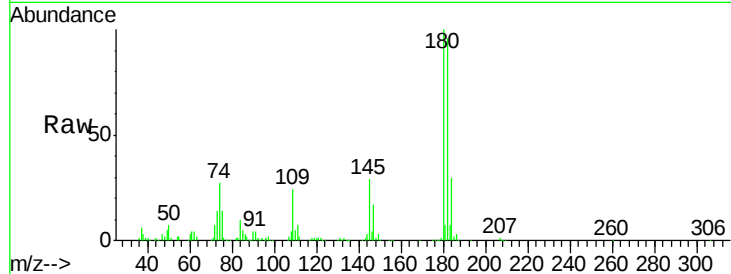
#93  
 1,2,4-Trichlorobenzene  
 Concen: 67.834 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. 0.01 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC075

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 319605 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 46.5  | 139.5  |
| 145       | 28.9  | 14.4  | 43.4   |

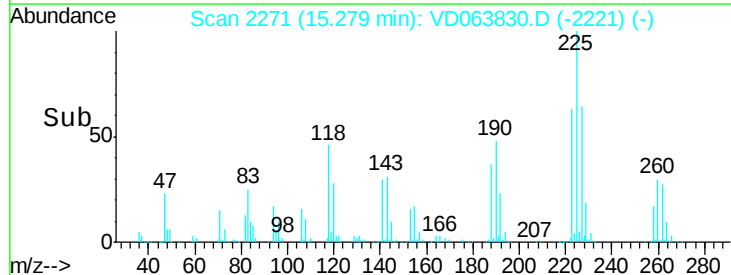
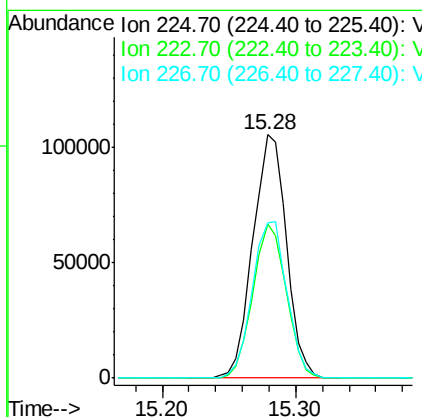
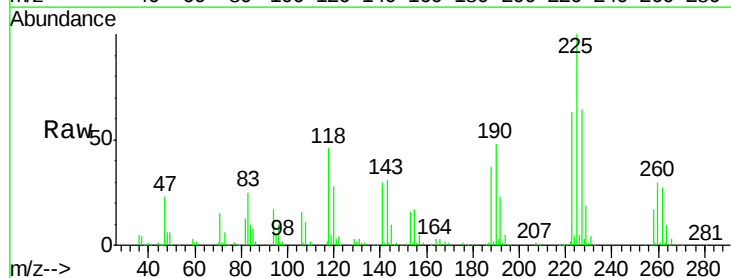
Manual Integrations  
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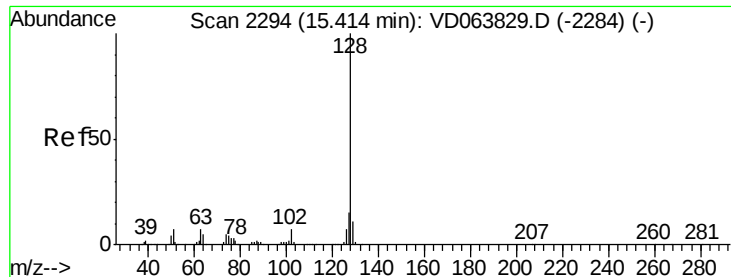
MMDadoda  
 10/1/2019 9:26:14 AM



#94  
 Hexachlorobutadiene  
 Concen: 68.550 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: VD063830.D  
 Acq: 25 Sep 2019 18:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 183001 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.8  | 32.8  | 98.3   |
| 227       | 66.2  | 32.8  | 98.3   |





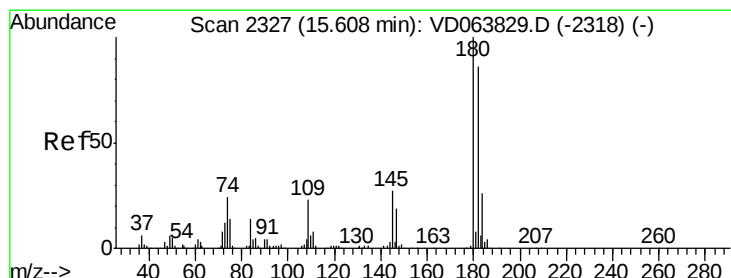
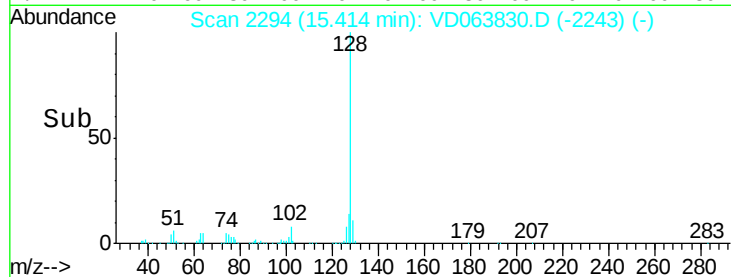
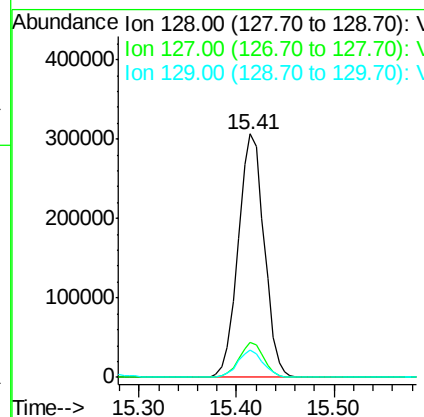
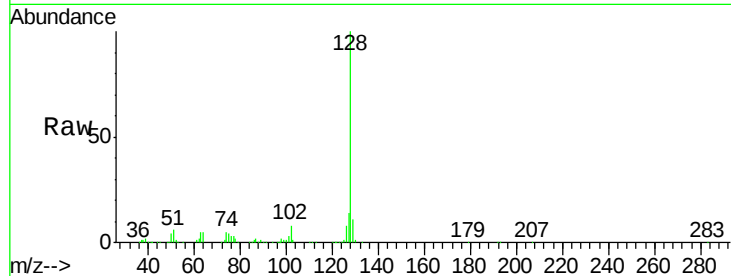
#95  
Naphthalene  
Concen: 66.596 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC075

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 563472 |       |       |
| 127     | 13.9  |        | 10.8  | 16.2  |
| 129     | 11.0  |        | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 66.864 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD063830.D  
Acq: 25 Sep 2019 18:48

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 279302 |       |       |
| 182     | 93.6  |        | 46.6  | 139.7 |
| 145     | 30.0  |        | 14.5  | 43.5  |

