

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\  
 Data File : VD063980.D  
 Acq On : 16 Oct 2019 11:30  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/18/2019 12:49:46 AM

Quant Time: Oct 16 13:01:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 195047   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 301052   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 306423   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 169029   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 88593    | 46.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.30%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 90613    | 49.25 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.50%  |      |
| 50) Toluene-d8            | 10.34  | 98  | 390874   | 52.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.68% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 131787   | 50.79 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.58% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 55587  | 40.187  | ug/l   | 92     |
| 3) Chloromethane              | 2.21 | 50  | 187915 | 50.321  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.35 | 62  | 218683 | 48.916  | ug/l   | 93     |
| 5) Bromomethane               | 2.77 | 94  | 130381 | 45.364  | ug/l   | 96     |
| 6) Chloroethane               | 2.93 | 64  | 138223 | 46.751  | ug/l # | 89     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 304362 | 51.492  | ug/l   | 92     |
| 8) Diethyl Ether              | 3.70 | 74  | 41884  | 44.147  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 71228  | 43.534  | ug/l   | 94     |
| 10) Methyl Iodide             | 4.30 | 142 | 94563  | 41.944  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 5.24 | 59  | 25470  | 191.181 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 68667  | 42.007  | ug/l   | 90     |
| 13) Acrolein                  | 3.92 | 56  | 32086  | 189.185 | ug/l   | 94     |
| 14) Allyl chloride            | 4.71 | 41  | 123087 | 45.290  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.43 | 53  | 98381  | 235.204 | ug/l # | 89     |
| 16) Acetone                   | 4.16 | 43  | 110267 | 223.034 | ug/l   | 93     |
| 17) Carbon Disulfide          | 4.40 | 76  | 239793 | 40.355  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.73 | 43  | 46628  | 48.220  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 183689 | 43.395  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.97 | 84  | 100643 | 45.614  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 5.46 | 96  | 97994  | 48.156  | ug/l   | 99     |
| 22) Diisopropyl ether         | 6.37 | 45  | 268548 | 48.383  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.31 | 43  | 787953 | 238.637 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 162832 | 47.628  | ug/l   | 97     |
| 25) 2-Butanone                | 7.22 | 43  | 140376 | 239.586 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 144787 | 46.816  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 113897 | 49.449  | ug/l   | 94     |
| 28) Bromochloromethane        | 7.55 | 49  | 73545  | 56.336  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 74771  | 218.638 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 177211 | 47.724  | ug/l   | 94     |
| 31) Cyclohexane               | 7.98 | 56  | 153874 | 54.822  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 160568 | 50.409  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 140404 | 51.008  | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 49742  | 44.639  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 145914 | 52.457  | ug/l   | 96     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/18/2019 12:49:46 AM

Quant Time: Oct 16 13:01:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 177468   | 52.436  | ug/l   | 94       |
| 40) Benzene                    | 8.36  | 78   | 406404   | 51.521  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.54  | 41   | 35896    | 56.247  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 110862   | 48.586  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 103635   | 44.894  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 116513   | 51.223  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 96151    | 49.800  | ug/l   | 91       |
| 46) Dibromomethane             | 9.48  | 93   | 52881    | 48.092  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.67  | 83   | 142433   | 50.312  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.46  | 41   | 50482    | 45.642  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 14067    | 937.227 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 277381   | 231.692 | ug/l   | 98       |
| 52) Toluene                    | 10.40 | 92   | 283795   | 52.409  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 137492   | 49.770  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 160234   | 50.388  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 80406    | 51.790  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 95032    | 48.336  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 133048   | 50.087  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 220118   | 260.464 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 210121   | 242.629 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 104547   | 51.723  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 78721    | 52.301  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 104946   | 50.168  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.67 | 112  | 315555   | 51.278  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 116867   | 51.539  | ug/l   | 94       |
| 67) Ethyl Benzene              | 11.75 | 91   | 575423   | 51.856  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 447287   | 104.433 | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 214462   | 52.293  | ug/l   | 94       |
| 70) Styrene                    | 12.20 | 104  | 365506   | 52.646  | ug/l   | 99       |
| 71) Bromoform                  | 12.36 | 173  | 61875    | 50.846  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 578125   | 50.878  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 106199   | 43.409  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 92122    | 46.590  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.78 | 75   | 60998m   | 53.880  | ug/l   |          |
| 77) Bromobenzene               | 12.76 | 156  | 141983   | 50.153  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.83 | 91   | 689881   | 51.724  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 361257   | 49.121  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 484098   | 51.066  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 29488    | 46.093  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 387335   | 49.648  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 423947   | 50.249  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 494853   | 50.634  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.40 | 105  | 606548   | 53.235  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 576233   | 53.447  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 284742   | 50.904  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 284593   | 51.571  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.85 | 91   | 525436   | 52.357  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.11 | 117  | 104595   | 53.940  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 247433   | 51.328  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 14875    | 48.337  | ug/l   | 92       |

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Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

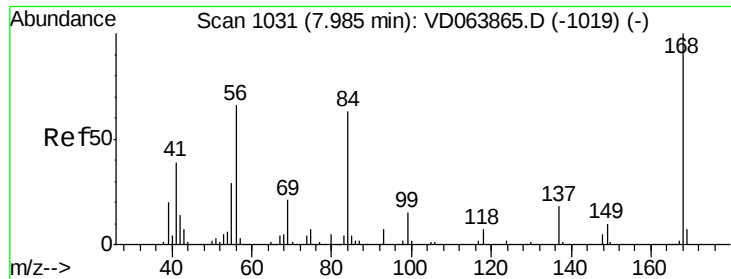
MMDadoda  
10/18/2019 12:49:46 AM

Quant Time: Oct 16 13:01:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 186920   | 50.252 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 105193   | 51.249 | ug/l  | 94       |
| 95) Naphthalene            | 15.41 | 128  | 308091   | 49.281 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 159626   | 49.739 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 195047

Ion Ratio Lower Upper

168 100

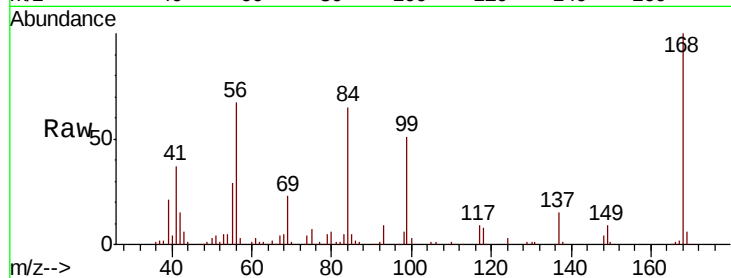
99 51.1 43.0 64.4

Manual Integrations

APPROVED

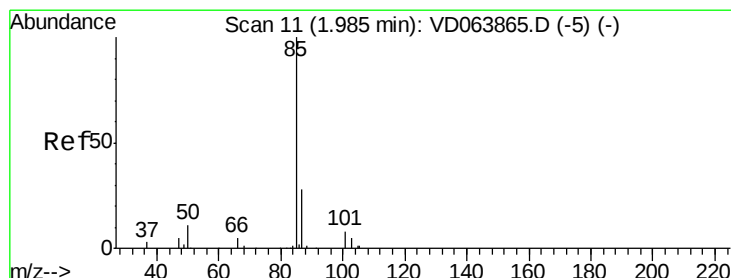
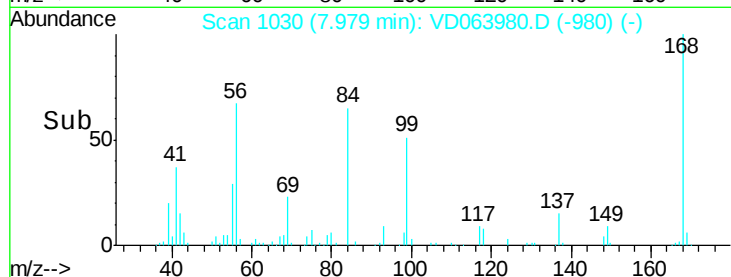
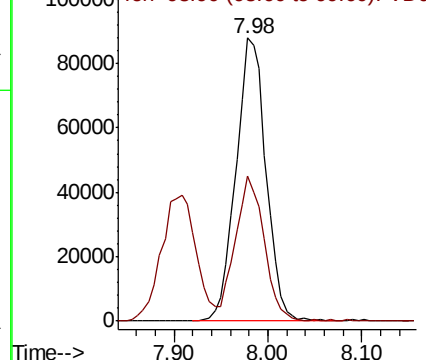
MMDadoda

10/18/2019 12:49:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.187 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063980.D

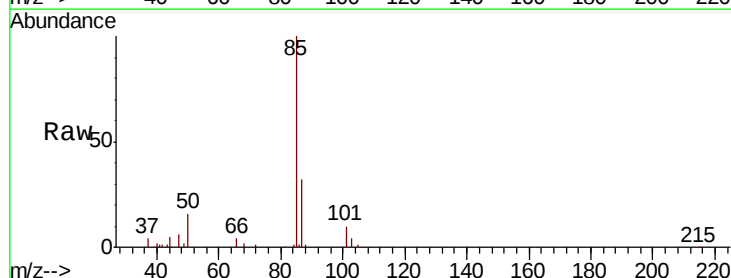
Acq: 16 Oct 2019 11:30

Tgt Ion: 85 Resp: 55587

Ion Ratio Lower Upper

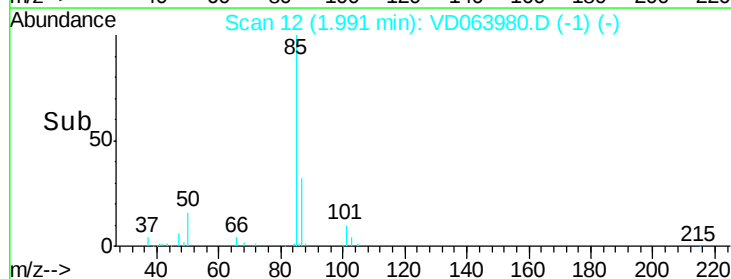
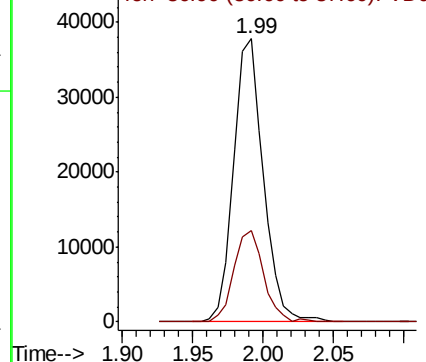
85 100

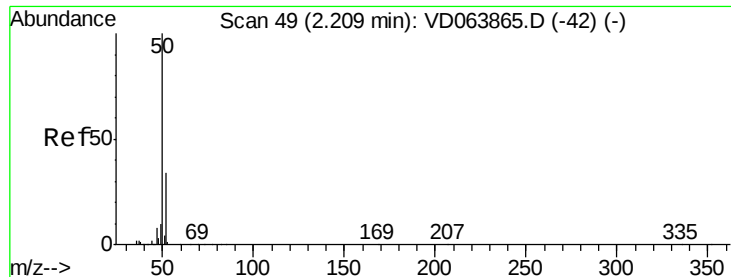
87 32.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





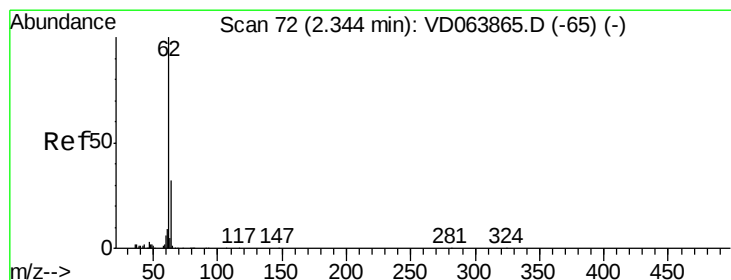
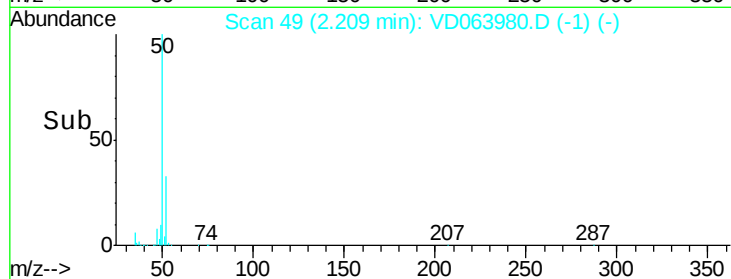
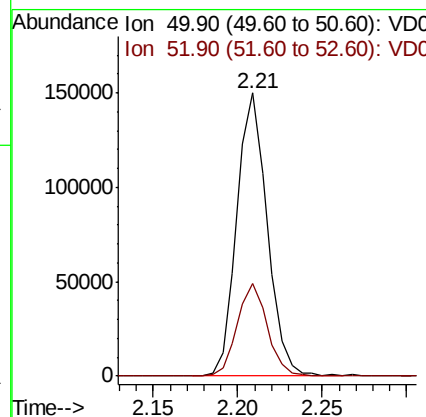
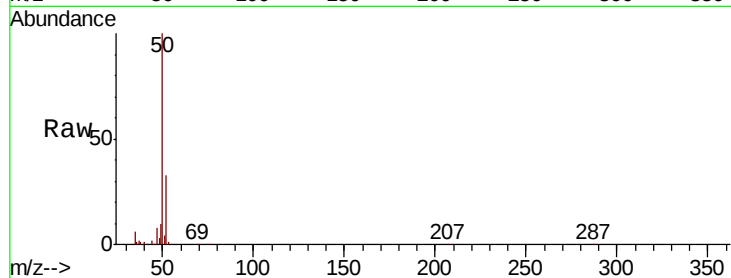
#3  
Chloromethane  
Concen: 50.321 ug/l  
RT: 2.21 min Scan# 49  
Delta R.T. 0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 32.8  | 27.5  | 41.3  |

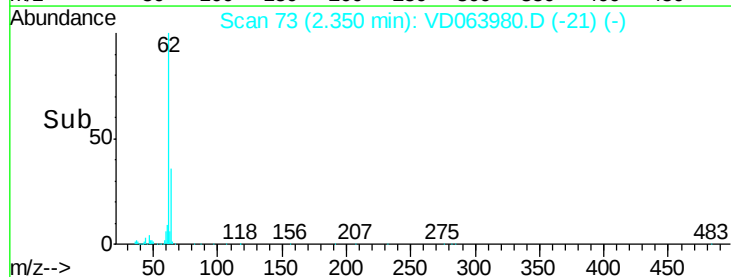
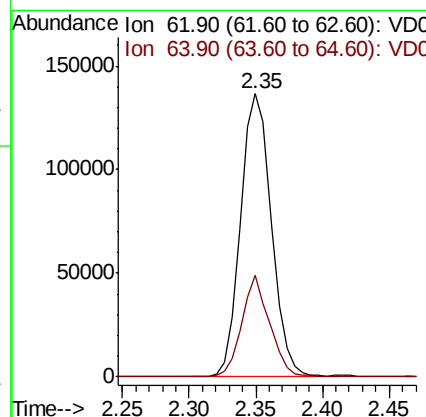
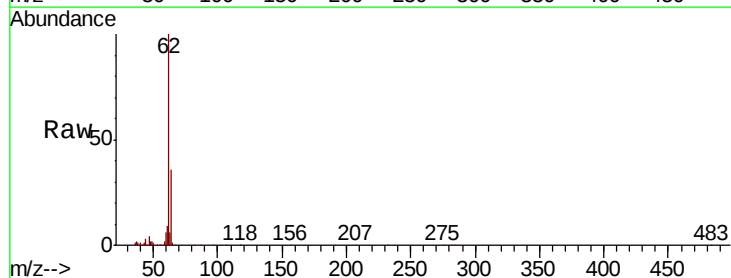
Manual Integrations  
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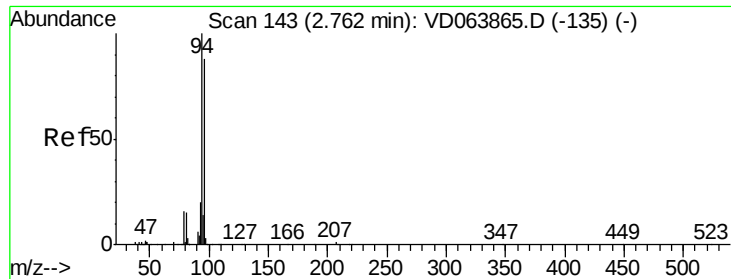
MMDadoda  
10/18/2019 12:49:46 AM



#4  
Vinyl Chloride  
Concen: 48.916 ug/l  
RT: 2.35 min Scan# 73  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 35.8  | 25.4  | 38.0  |





#5

Bromomethane

Concen: 45.364 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 130381

Ion Ratio Lower Upper

94 100

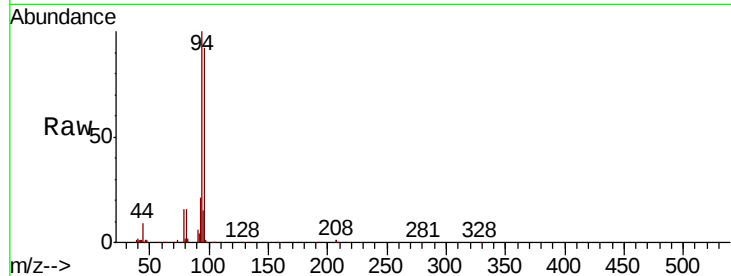
96 92.4 70.8 106.2

Manual Integrations

APPROVED

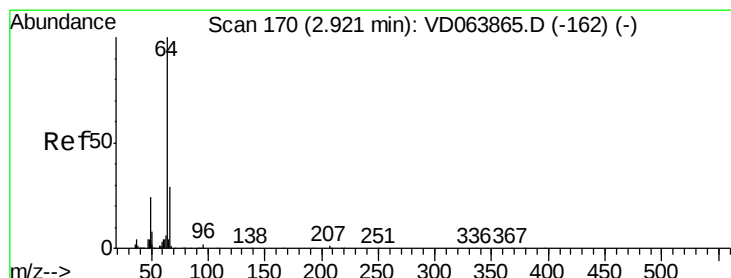
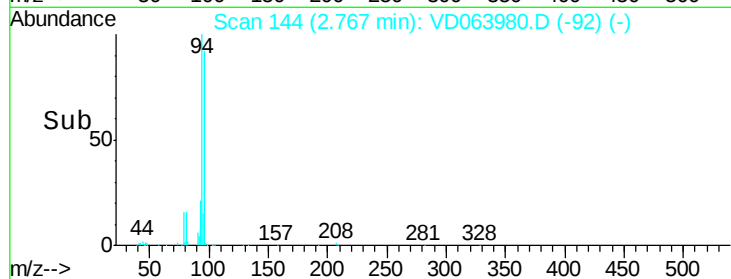
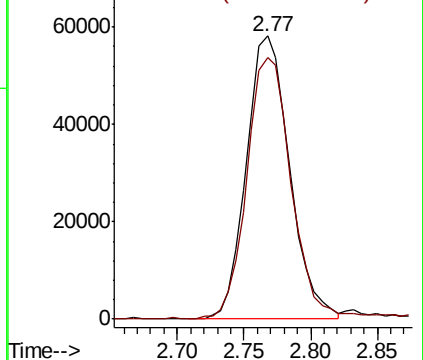
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10/18/2019 12:49:46 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.751 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063980.D

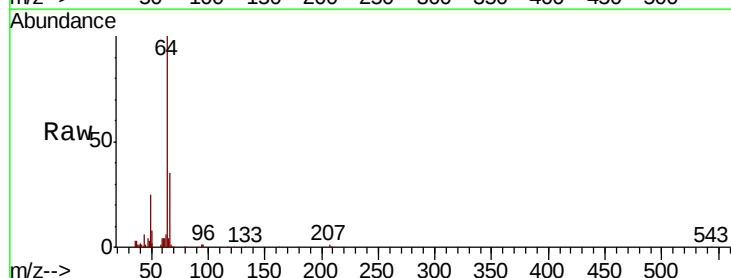
Acq: 16 Oct 2019 11:30

Tgt Ion: 64 Resp: 138223

Ion Ratio Lower Upper

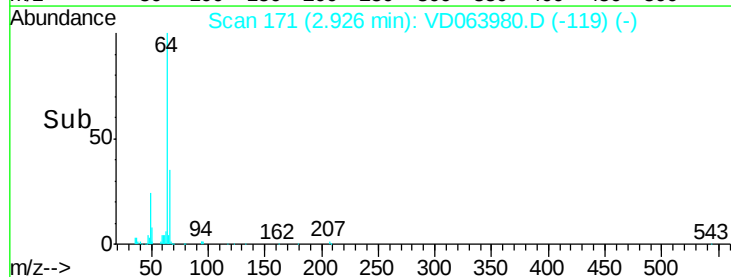
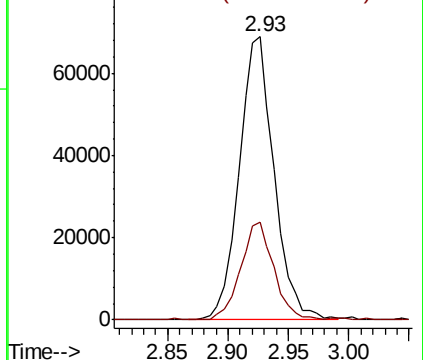
64 100

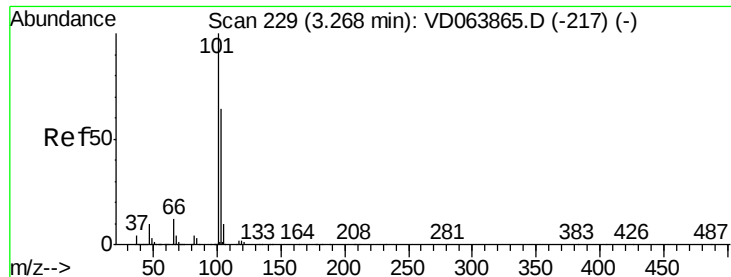
66 34.6 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

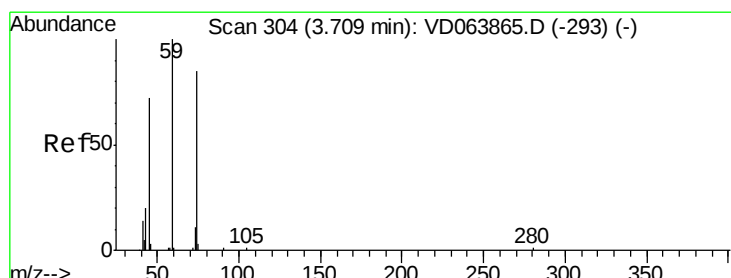
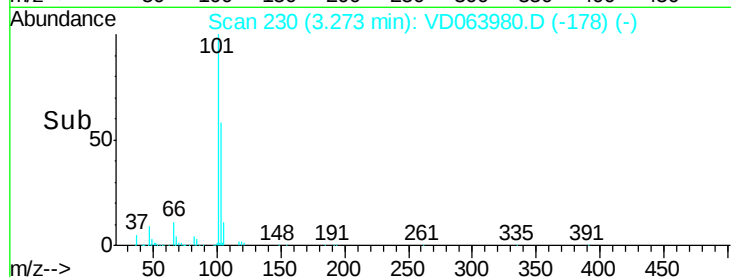
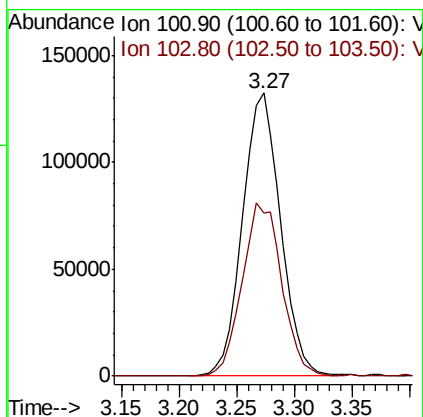
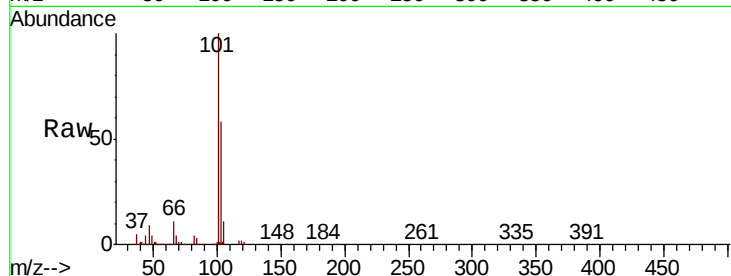
Trichlorofluoromethane  
Concen: 51.492 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 57.8  | 51.1  | 76.7  |

Manual Integrations  
APPROVED

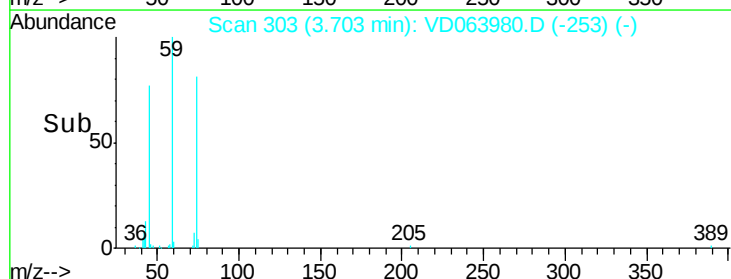
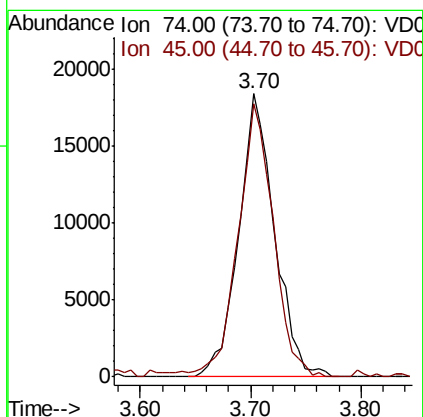
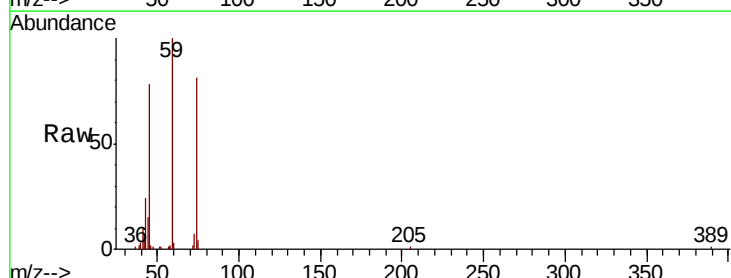
MMDadoda  
10/18/2019 12:49:46 AM

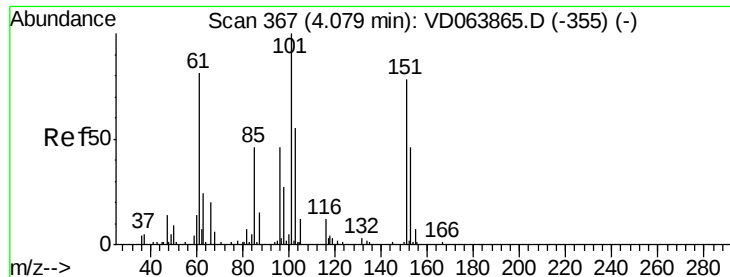


#8

Diethyl Ether  
Concen: 44.147 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.1  | 48.1  | 144.4 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.534 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

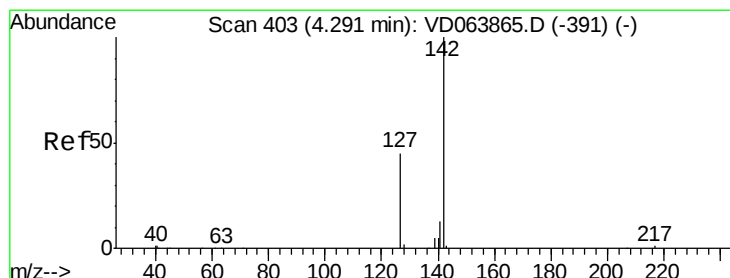
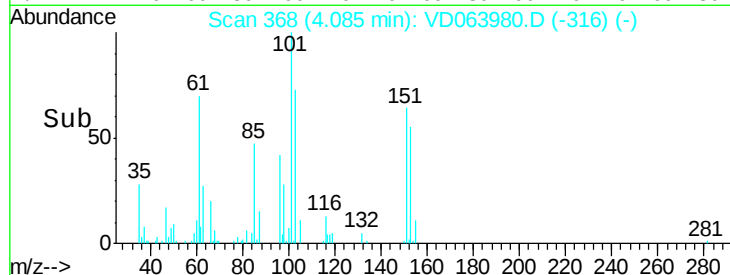
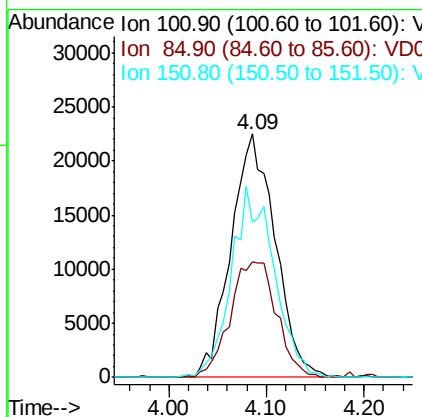
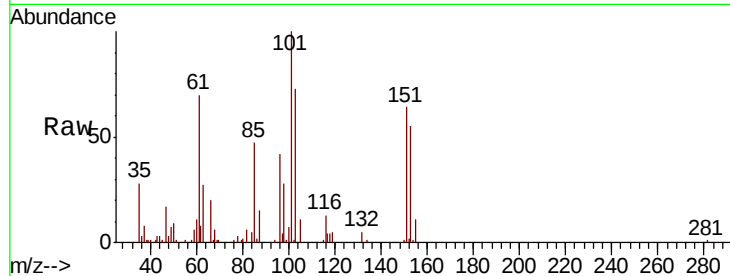
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 71228 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 49.7  | 37.5  | 56.3  |
| 151       | 75.3  | 65.5  | 98.3  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 41.944 ug/l

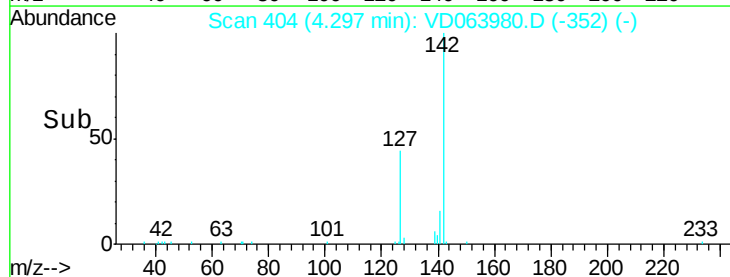
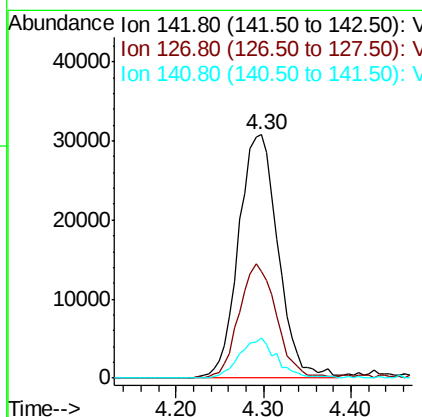
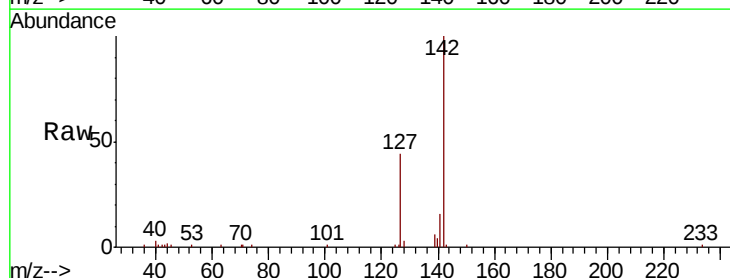
RT: 4.30 min Scan# 404

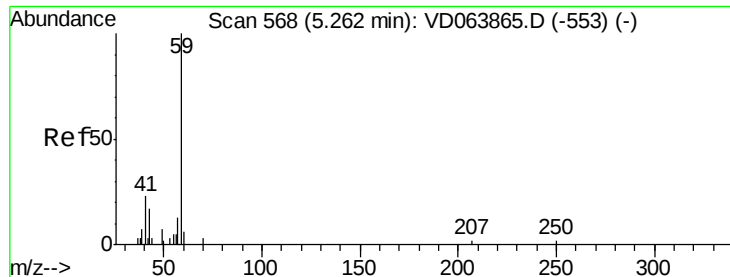
Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 94563 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 44.5  | 35.3  | 52.9  |
| 141       | 15.2  | 12.2  | 18.2  |





#11

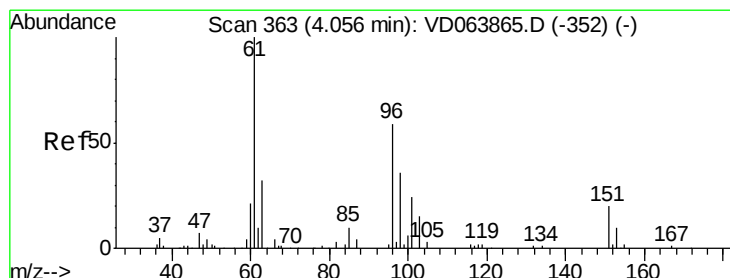
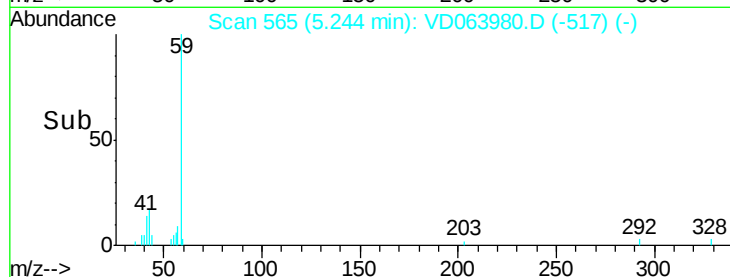
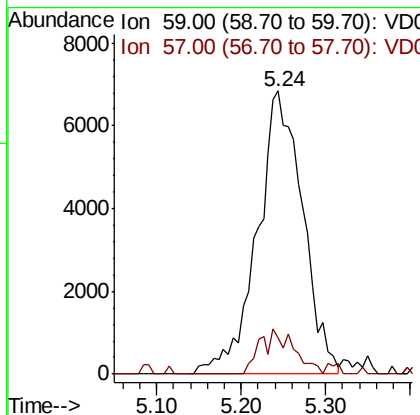
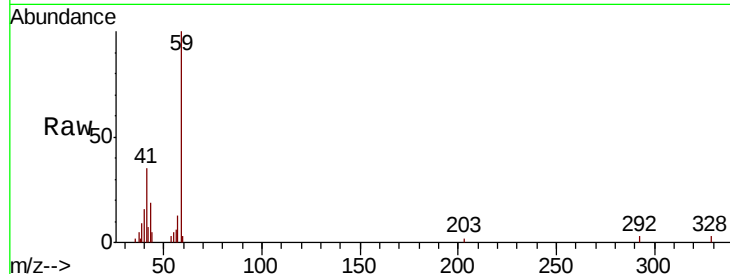
Tert butyl alcohol  
Concen: 191.181 ug/l  
RT: 5.24 min Scan# 565  
Delta R.T. -0.02 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 25470  
Ion Ratio Lower Upper  
59 100  
57 7.8 8.8 13.2#

Manual Integrations  
APPROVED

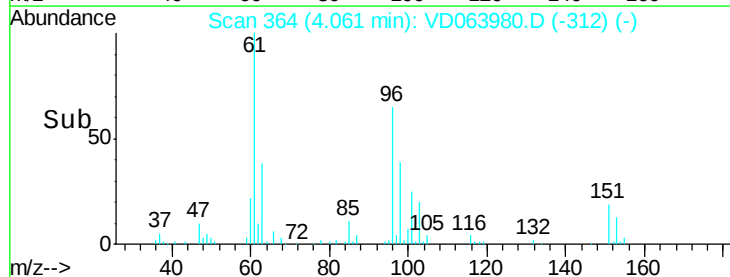
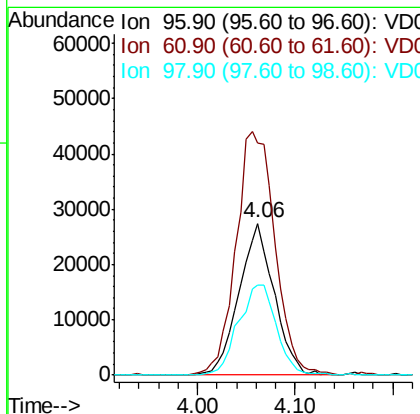
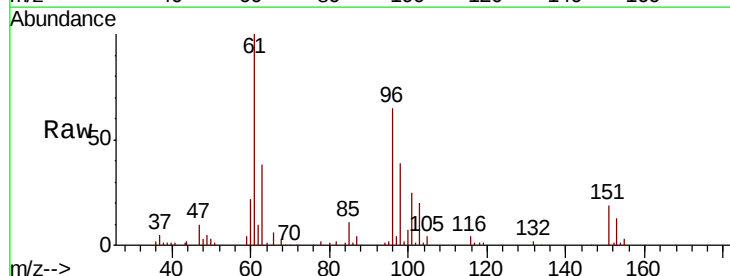
MMDadoda  
10/18/2019 12:49:46 AM

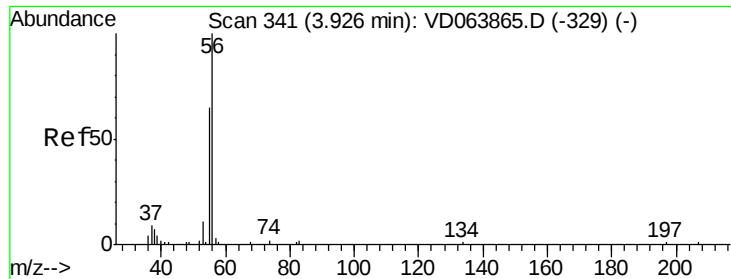


#12

1,1-Dichloroethene  
Concen: 42.007 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Tgt Ion: 96 Resp: 68667  
Ion Ratio Lower Upper  
96 100  
61 153.0 135.6 203.4  
98 59.5 49.2 73.8





#13

Acrolein

Concen: 189.185 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32086

Ion Ratio Lower Upper

56 100

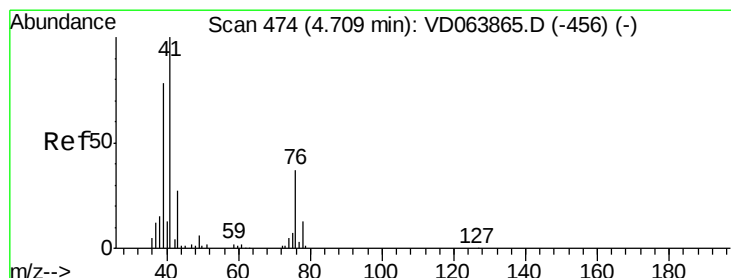
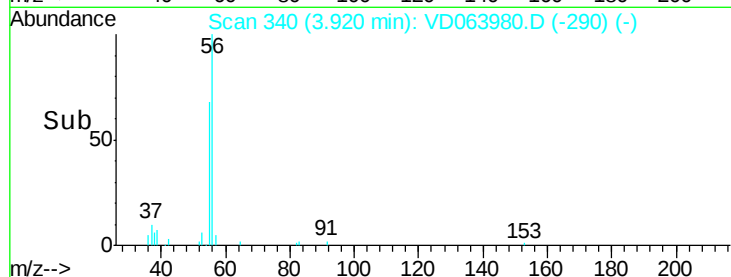
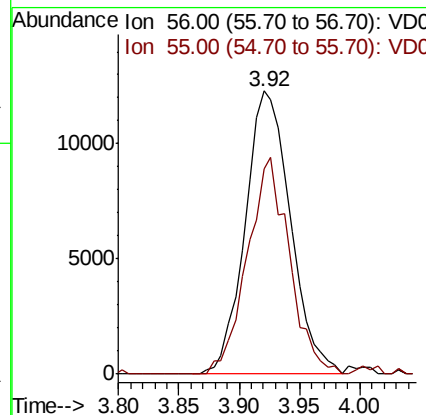
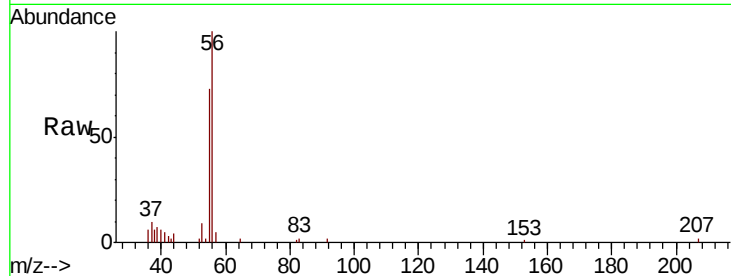
55 71.0 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.290 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

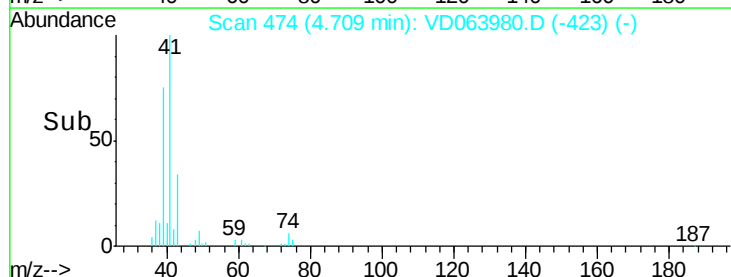
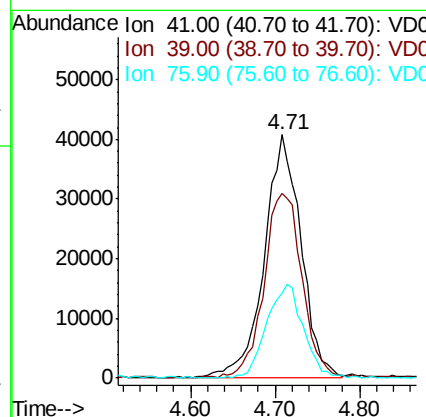
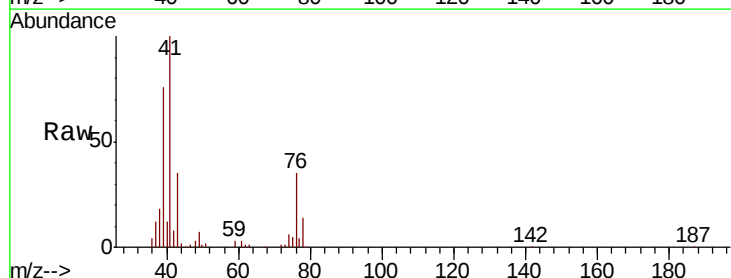
Tgt Ion: 41 Resp: 123087

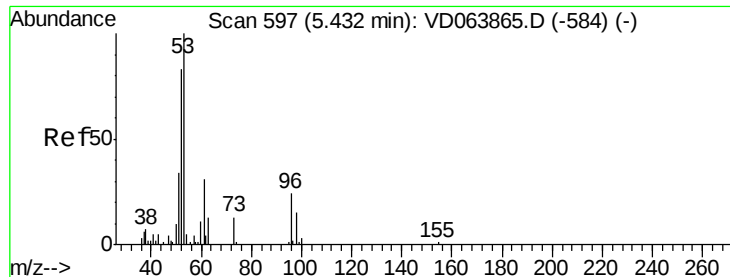
Ion Ratio Lower Upper

41 100

39 78.6 61.8 92.6

76 38.5 31.3 46.9





#15

Acrylonitrile

Concen: 235.204 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

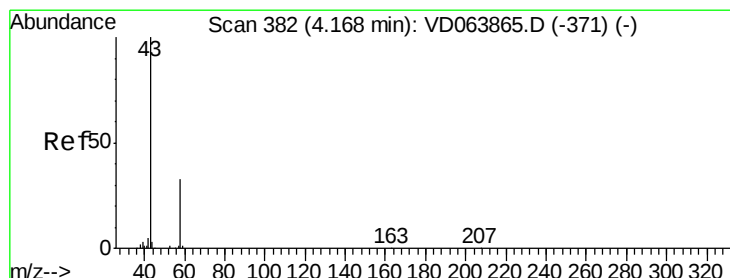
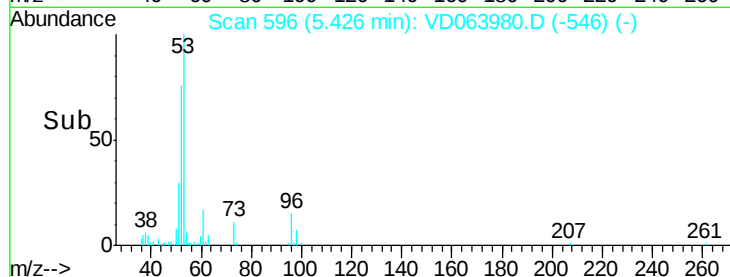
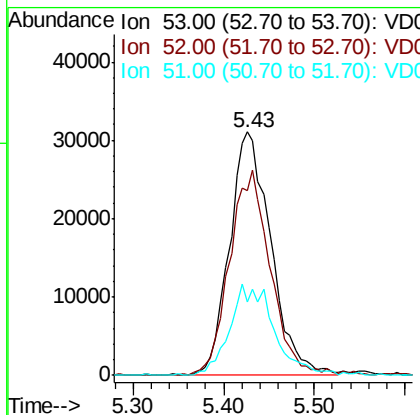
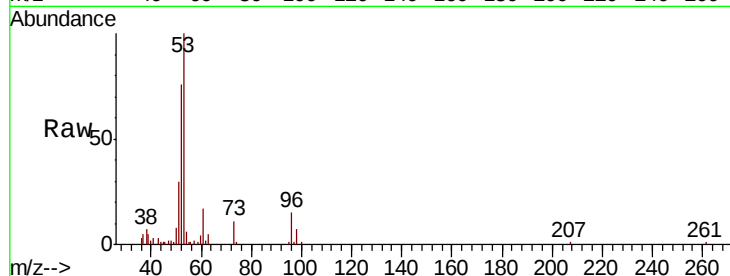
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 98381 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 83.3  | 67.3  | 100.9 |
| 51        | 17.6  | 30.5  | 45.7# |

Manual Integrations  
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#16

Acetone

Concen: 223.034 ug/l

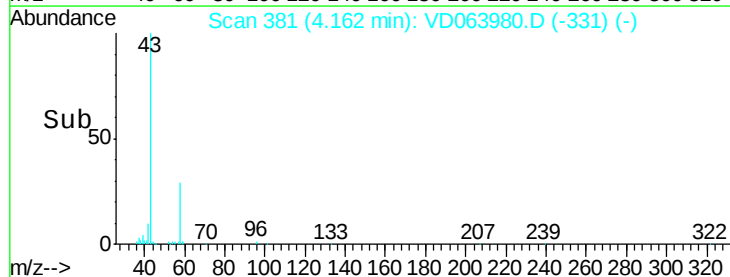
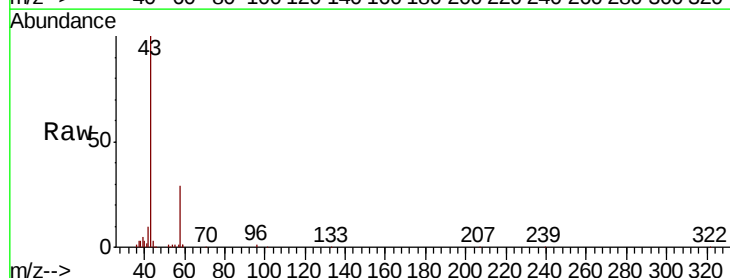
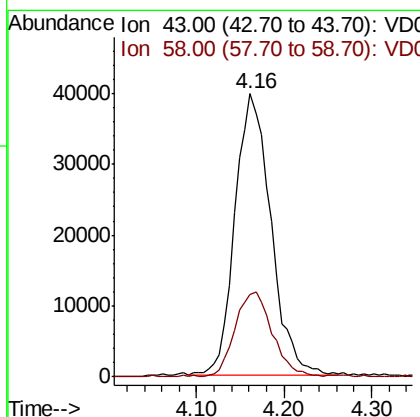
RT: 4.16 min Scan# 381

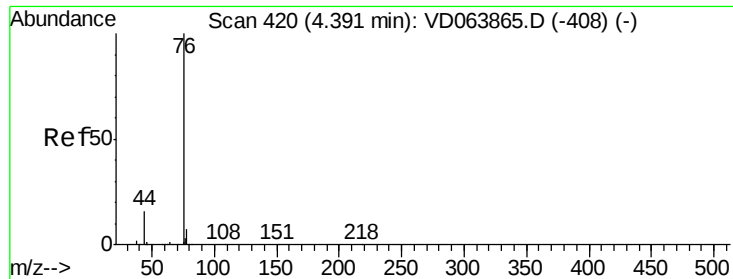
Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 110267 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 28.8  | 26.2  | 39.4   |





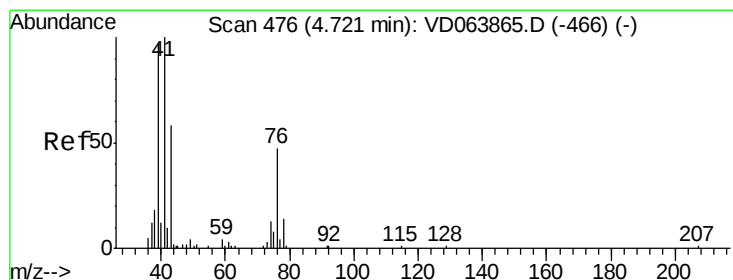
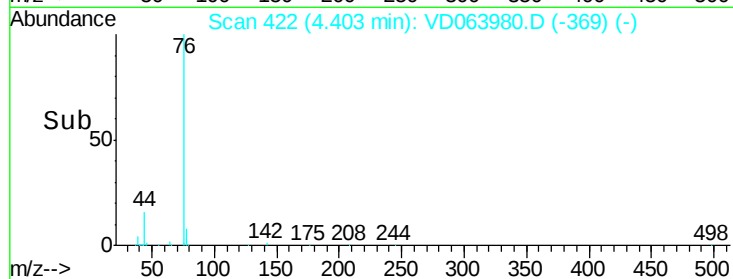
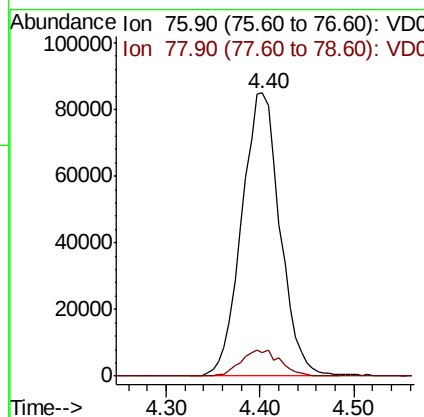
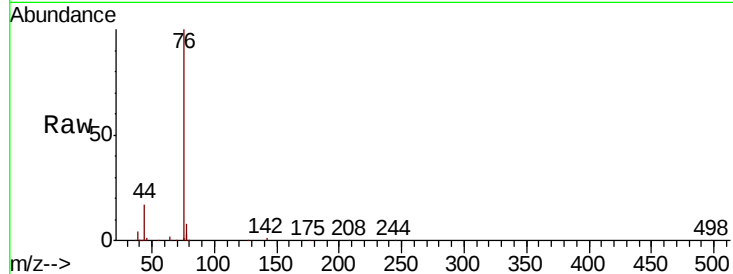
#17  
Carbon Disulfide  
Concen: 40.355 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.3   | 5.8   | 8.8   |

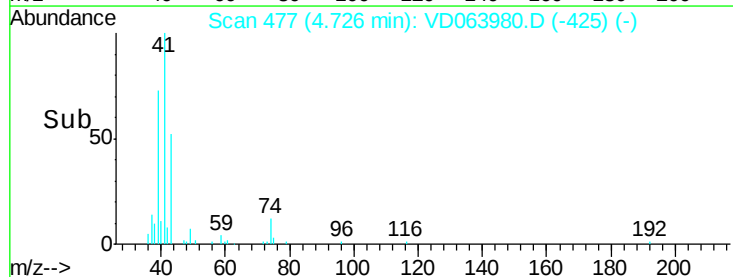
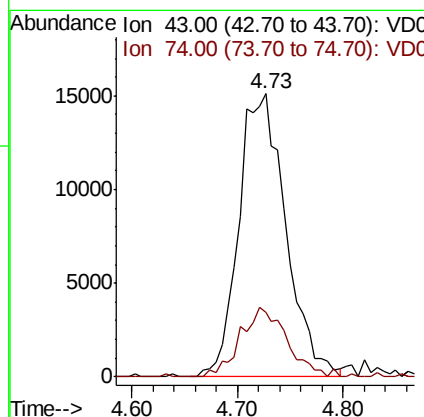
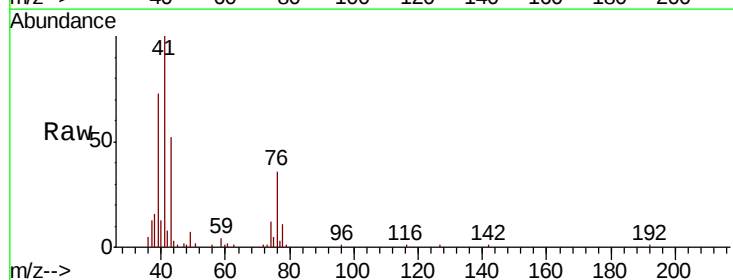
Manual Integrations  
APPROVED

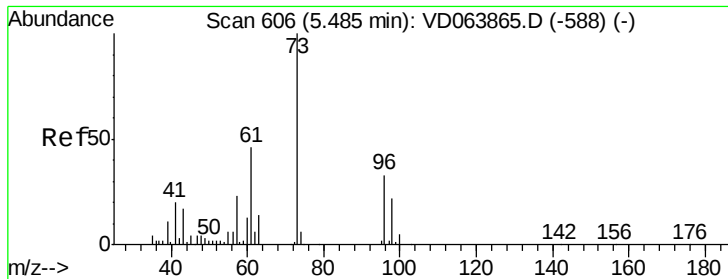
MMDadoda  
10/18/2019 12:49:46 AM



#18  
Methyl Acetate  
Concen: 48.220 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 20.8  | 31.2  |





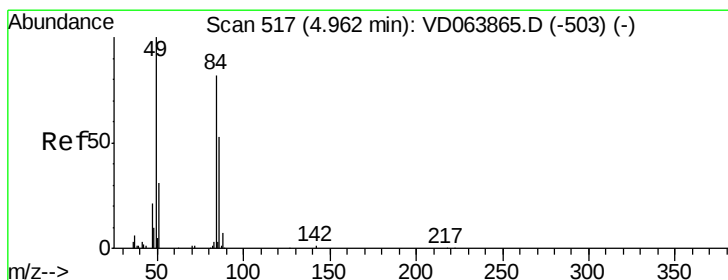
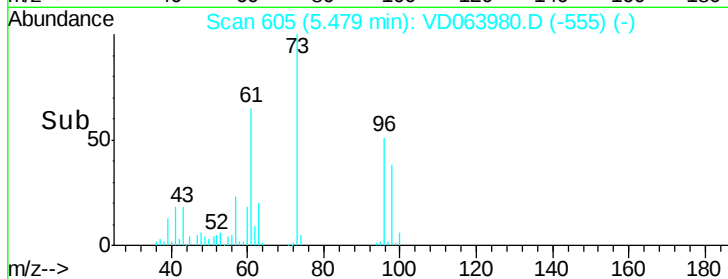
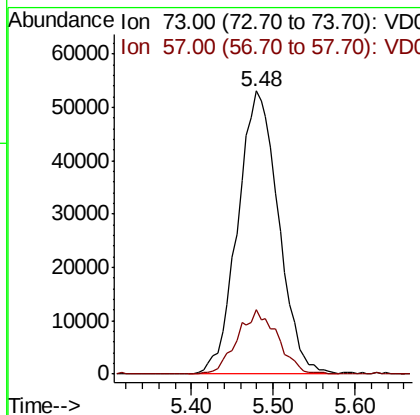
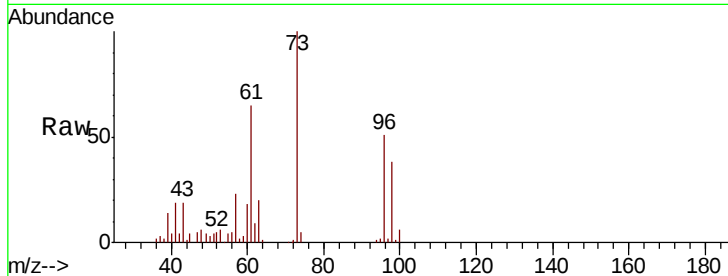
#19  
Methyl tert-butyl Ether  
Concen: 43.395 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.7  | 18.1  | 27.1  |

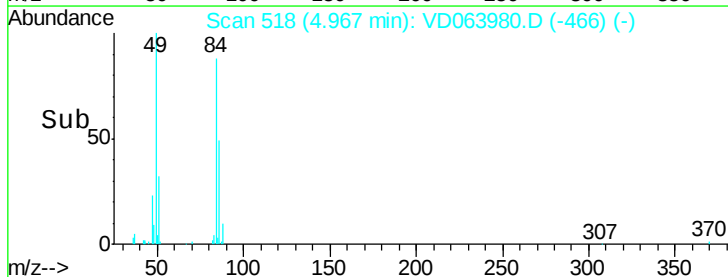
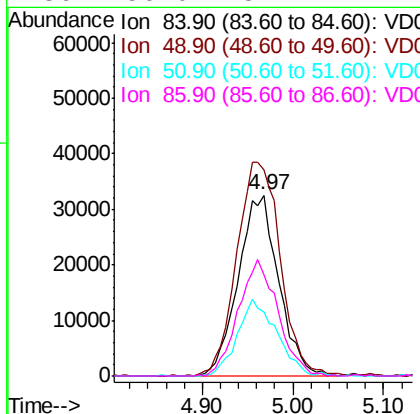
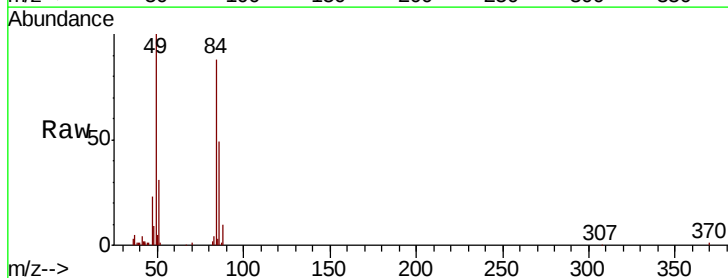
Manual Integrations  
APPROVED

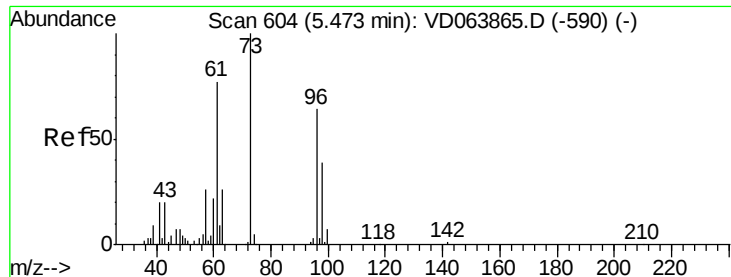
MMDadoda  
10/18/2019 12:49:46 AM



#20  
Methylene Chloride  
Concen: 45.614 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 113.7 | 97.3  | 145.9 |
| 51      | 35.8  | 30.1  | 45.1  |
| 86      | 56.0  | 51.4  | 77.2  |





#21

trans-1,2-Dichloroethene

Concen: 48.156 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

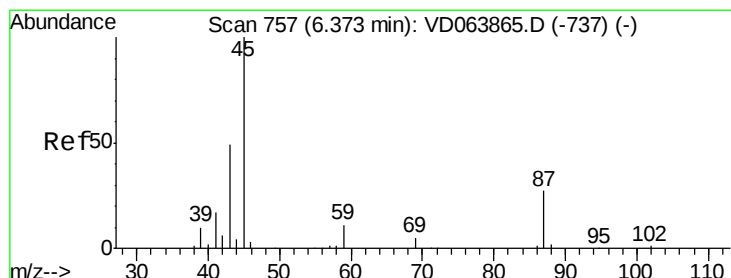
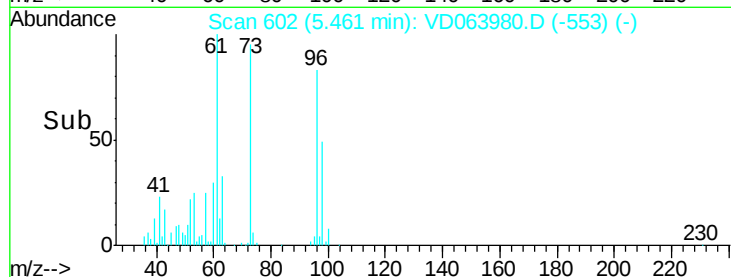
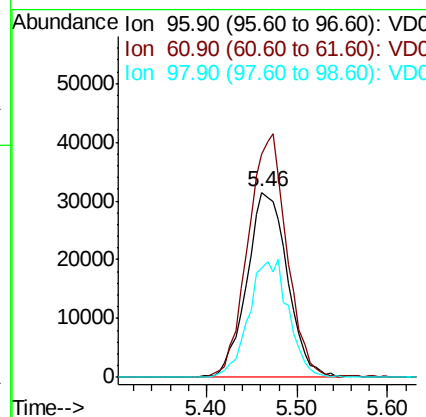
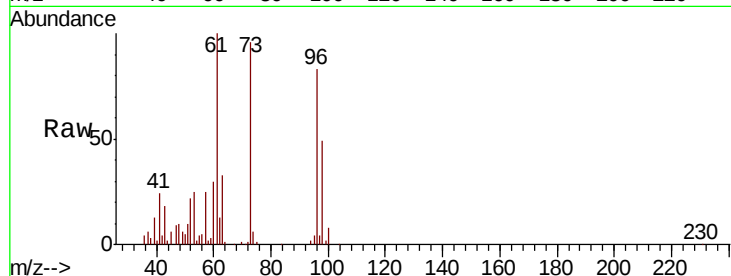
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 97994 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 120.1 | 96.6  | 145.0 |
| 98       | 59.2  | 48.7  | 73.1  |

Manual Integrations  
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10/18/2019 12:49:46 AM



#22

Diisopropyl ether

Concen: 48.383 ug/l

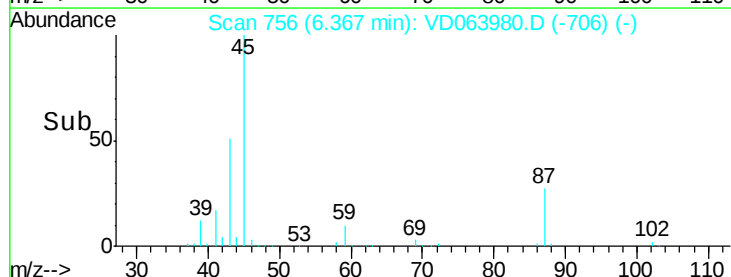
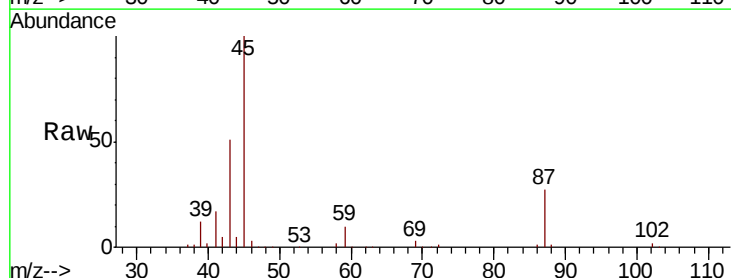
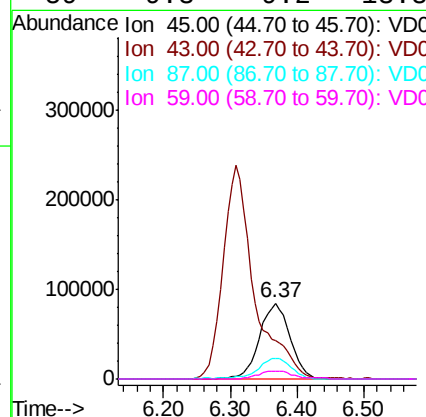
RT: 6.37 min Scan# 756

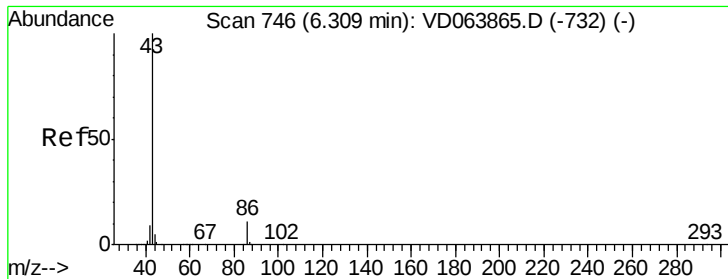
Delta R.T. -0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 268548 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 50.5  | 41.2  | 61.8   |
| 87       | 26.9  | 22.2  | 33.4   |
| 59       | 9.3   | 9.2   | 13.8   |





#23

Vinyl Acetate

Concen: 238.637 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 787953

Ion Ratio Lower Upper

43 100

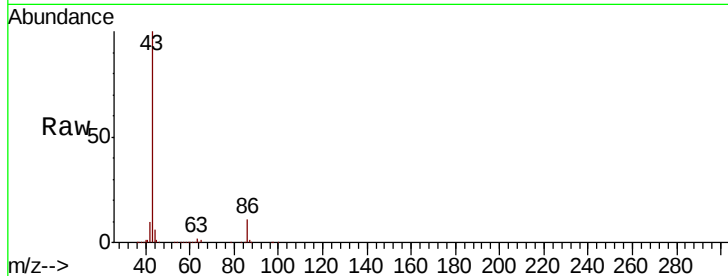
86 10.9 8.8 13.2

Manual Integrations

APPROVED

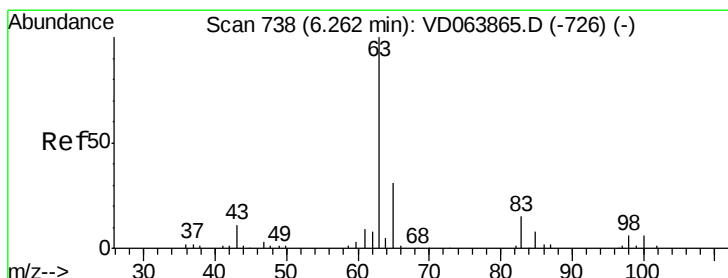
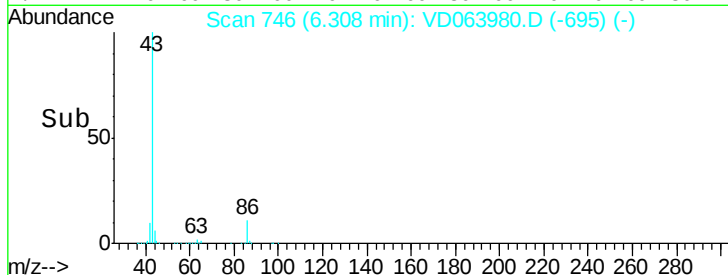
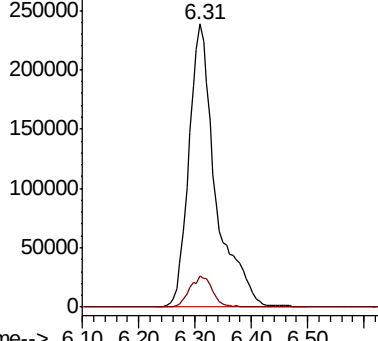
MMDadoda

10/18/2019 12:49:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

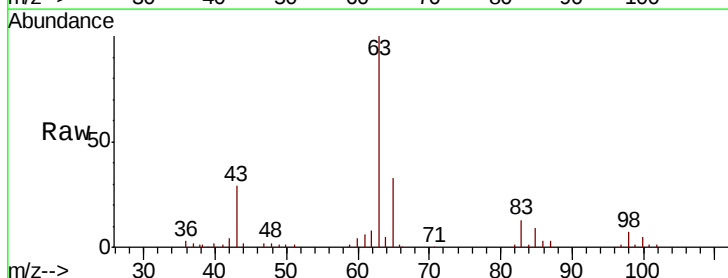
Tgt Ion: 63 Resp: 162832

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

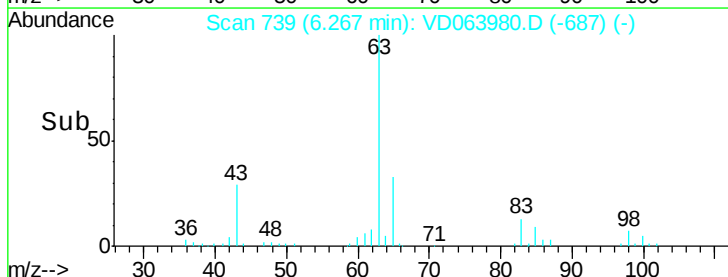
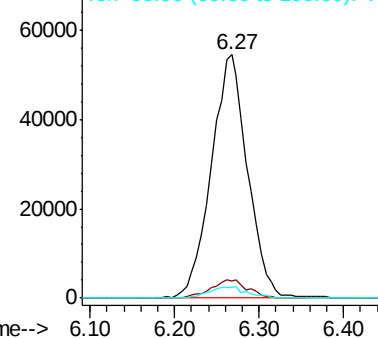
100 4.6 3.0 9.2

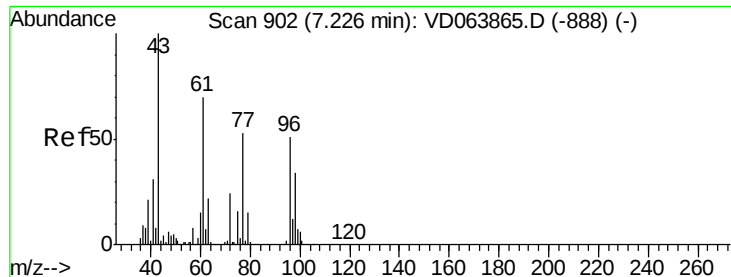


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





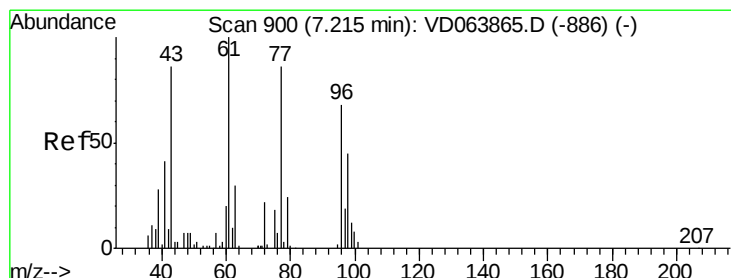
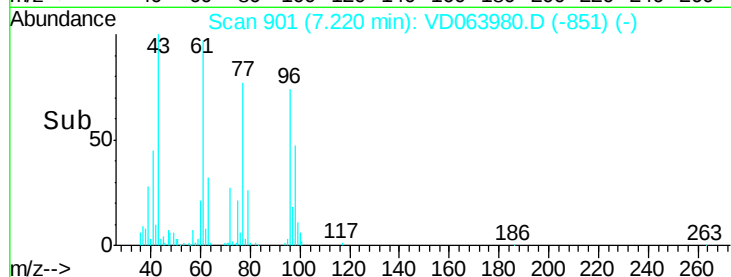
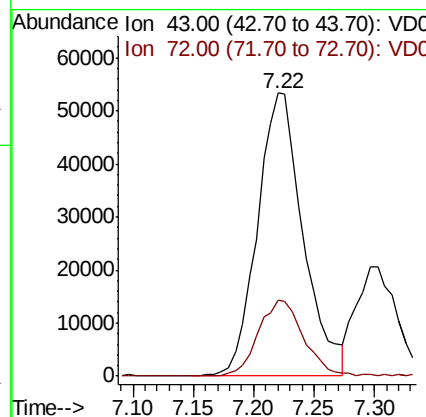
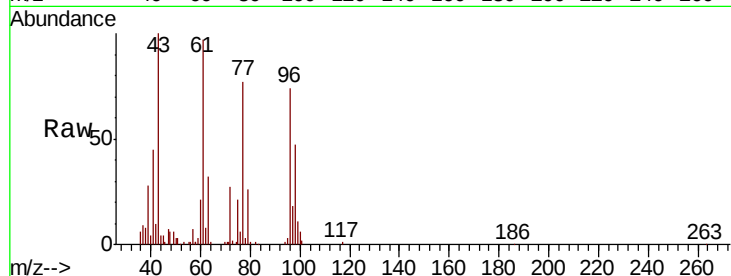
#25  
2-Butanone  
Concen: 239.586 ug/l  
RT: 7.22 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 140376  
Ion Ratio Lower Upper  
43 100  
72 26.7 19.2 28.8

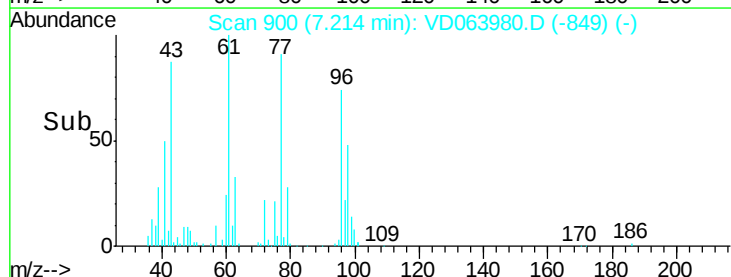
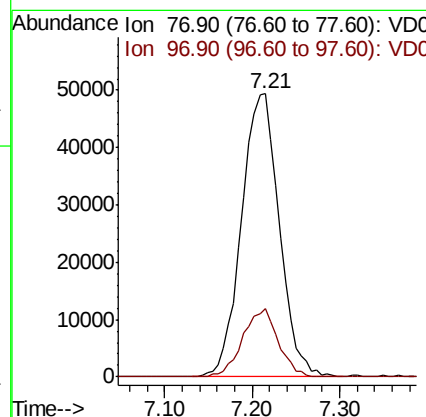
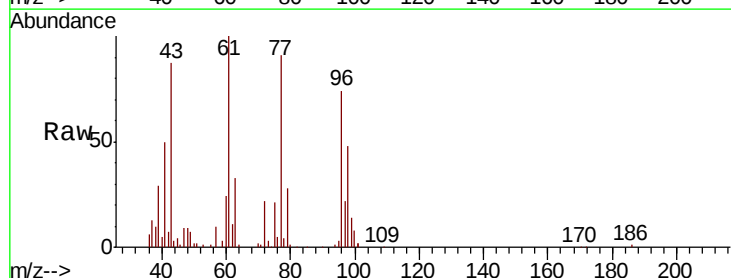
Manual Integrations  
APPROVED

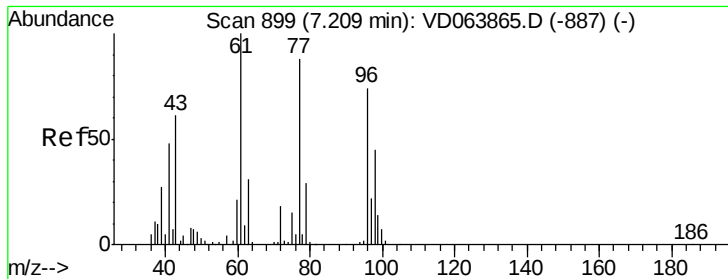
MMDadoda  
10/18/2019 12:49:46 AM



#26  
2,2-Dichloropropane  
Concen: 46.816 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Tgt Ion: 77 Resp: 144787  
Ion Ratio Lower Upper  
77 100  
97 22.5 11.4 34.1





#27

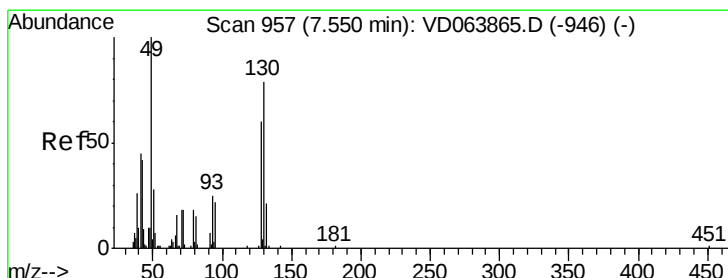
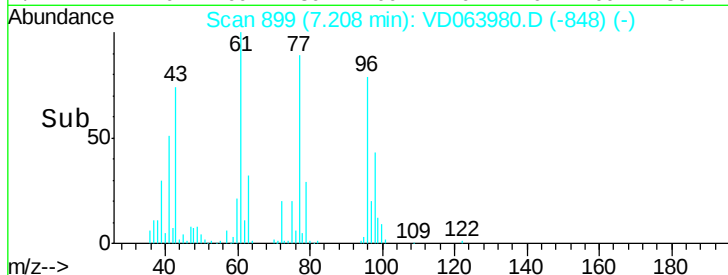
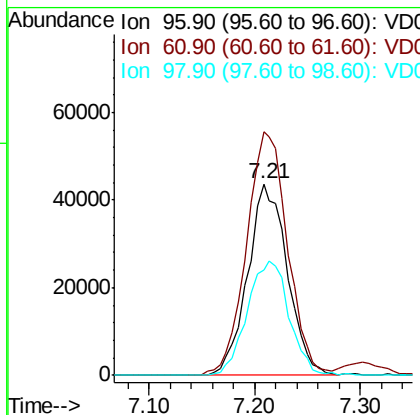
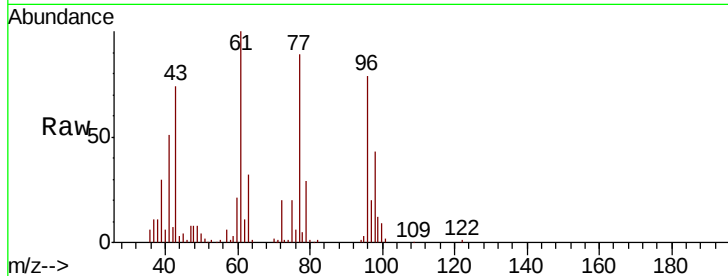
cis-1,2-Dichloroethene  
Concen: 49.449 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 131.3 | 0.0  | 280.0 |       |
| 98      | 63.0  | 0.0  | 130.4 |       |

Manual Integrations  
APPROVED

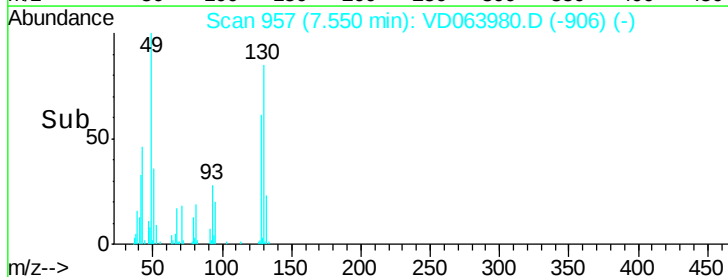
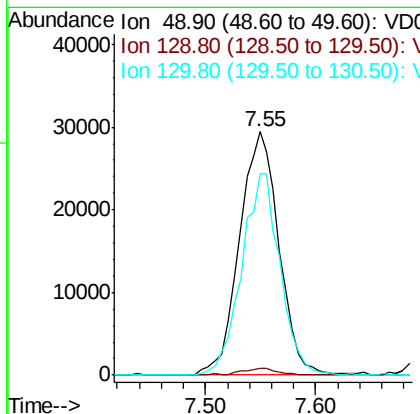
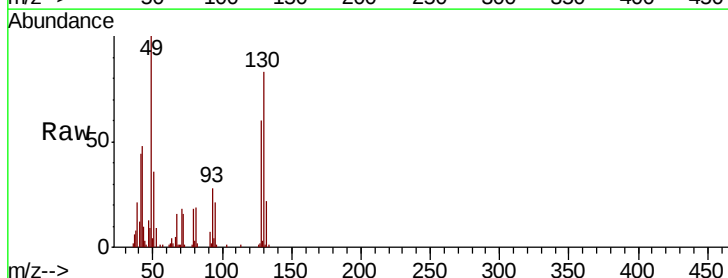
MMDadoda  
10/18/2019 12:49:46 AM

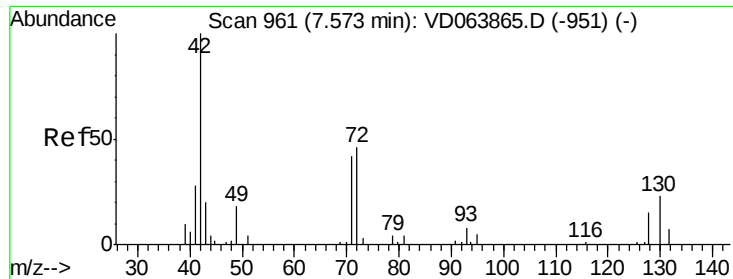


#28

Bromochloromethane  
Concen: 56.336 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.3   | 0.0  | 5.6   |       |
| 130     | 80.8  | 66.8 | 100.2 |       |





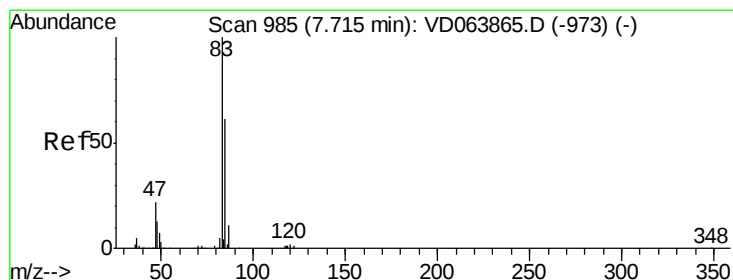
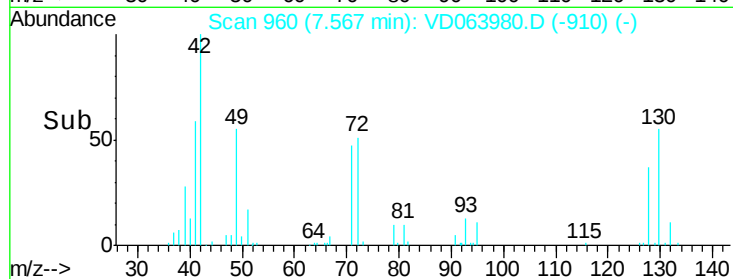
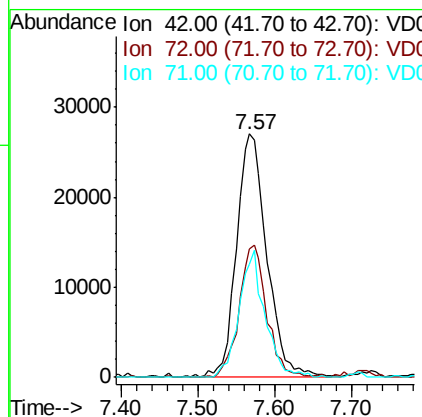
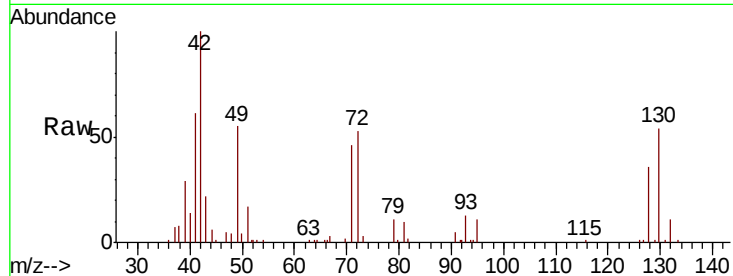
#29  
Tetrahydrofuran  
Concen: 218.638 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.0  | 37.6  | 56.4  |
| 71      | 44.4  | 35.0  | 52.6  |

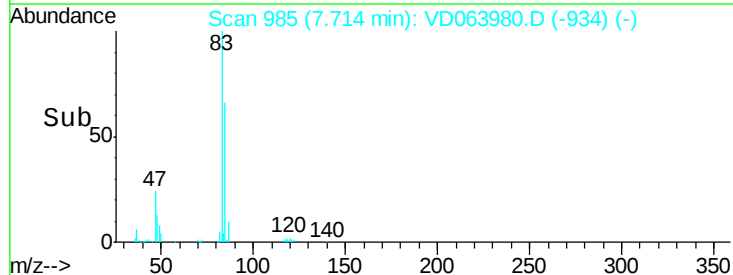
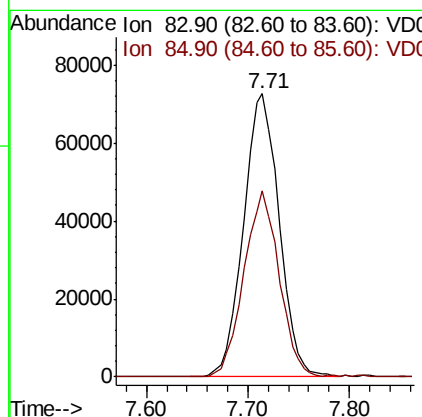
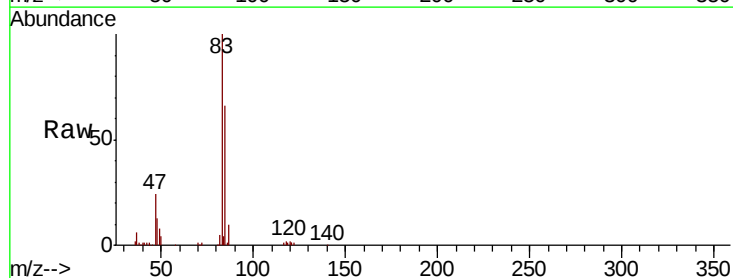
Manual Integrations  
APPROVED

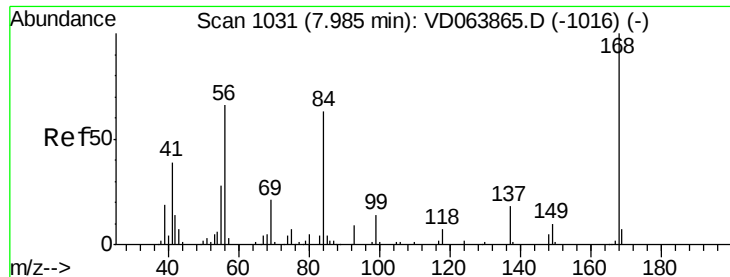
MMDadoda  
10/18/2019 12:49:46 AM



#30  
Chloroform  
Concen: 47.724 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.7  | 48.9  | 73.3  |





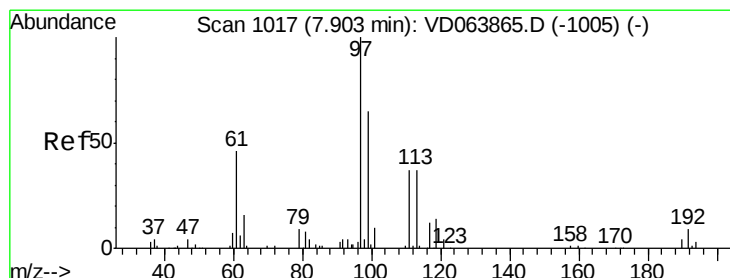
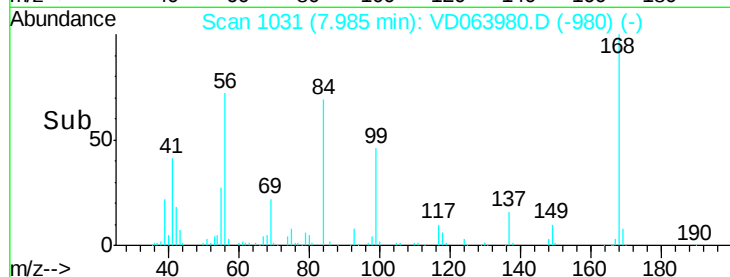
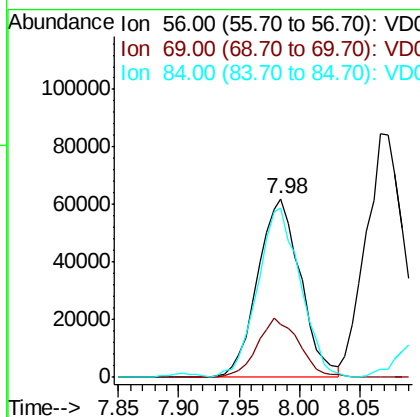
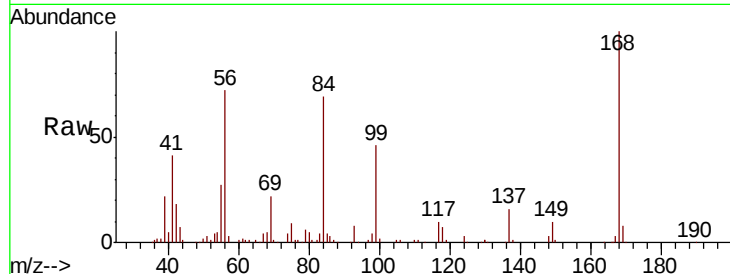
#31  
Cyclohexane  
Concen: 54.822 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 29.9  | 25.0  | 37.4  |
| 84      | 93.7  | 76.3  | 114.5 |

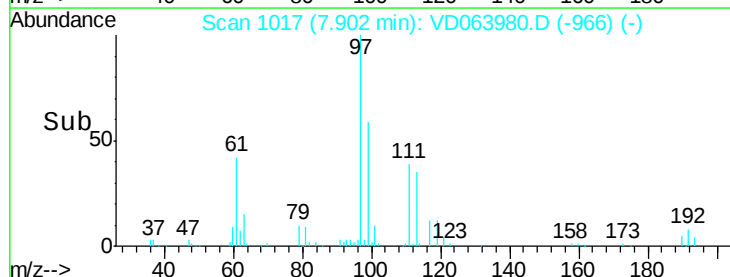
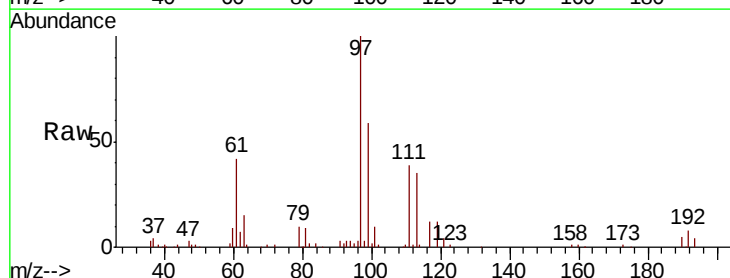
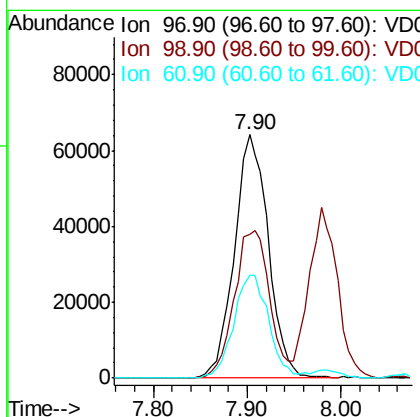
Manual Integrations  
APPROVED

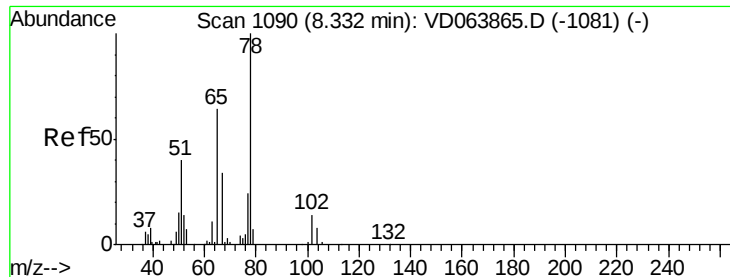
MMDadoda  
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#32  
1,1,1-Trichloroethane  
Concen: 50.409 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.9  | 52.4  | 78.6  |
| 61      | 43.5  | 33.8  | 50.8  |





#33

1,2-Dichloroethane-d4

Concen: 46.654 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 88593

Ion Ratio Lower Upper

65 100

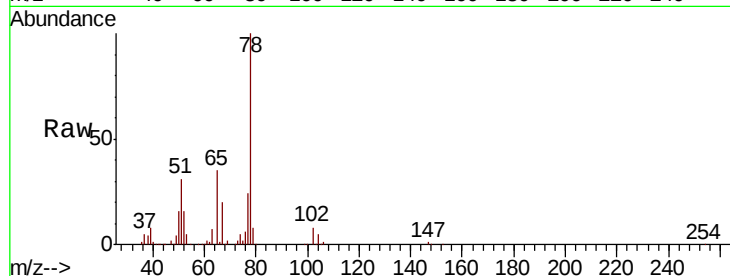
67 55.4 0.0 106.4

Manual Integrations

APPROVED

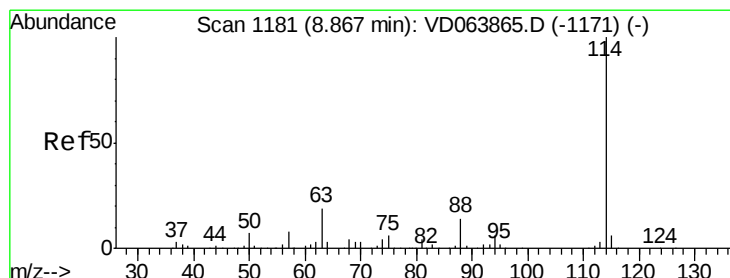
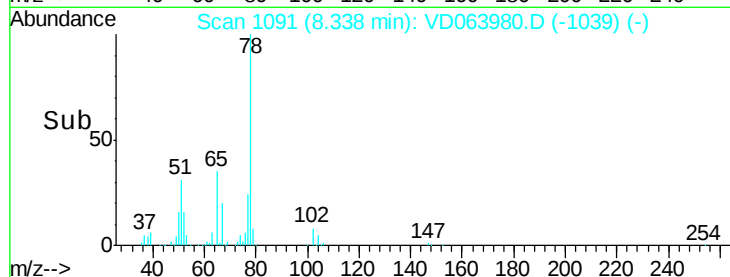
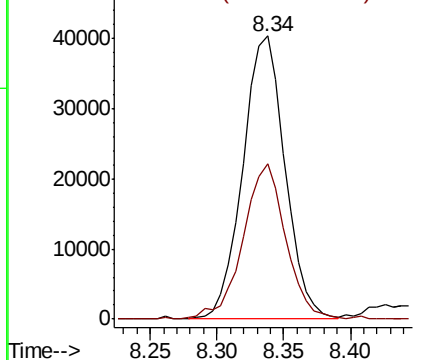
MMDadoda

10/18/2019 12:49:46 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: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

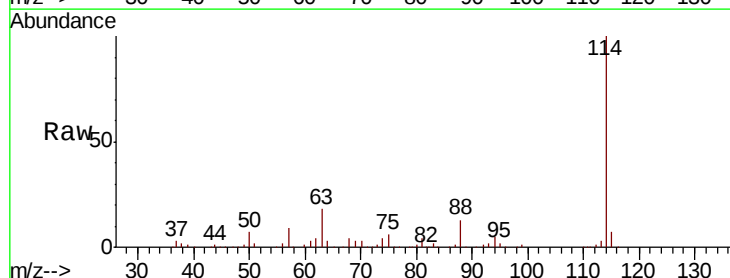
Tgt Ion: 114 Resp: 301052

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

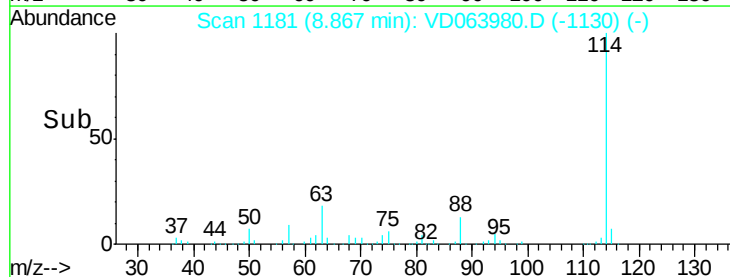
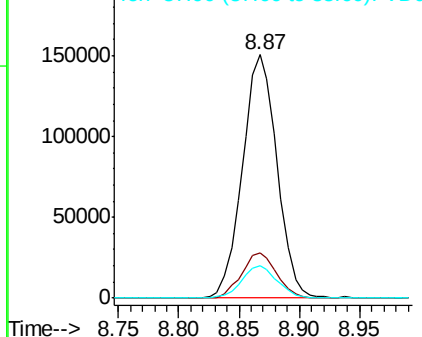
88 13.3 0.0 27.4

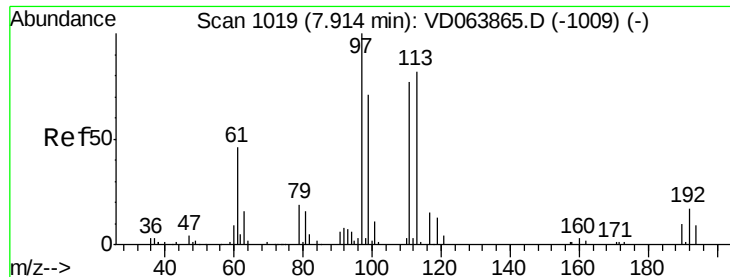


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





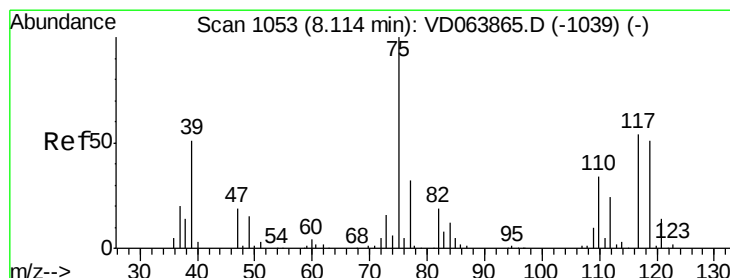
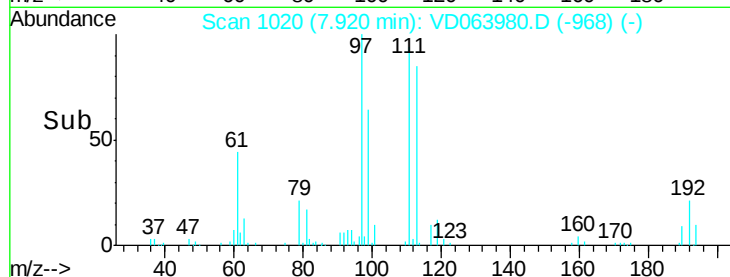
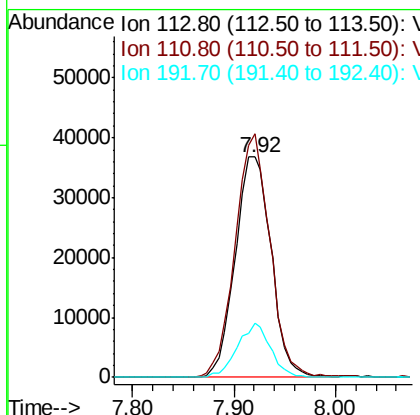
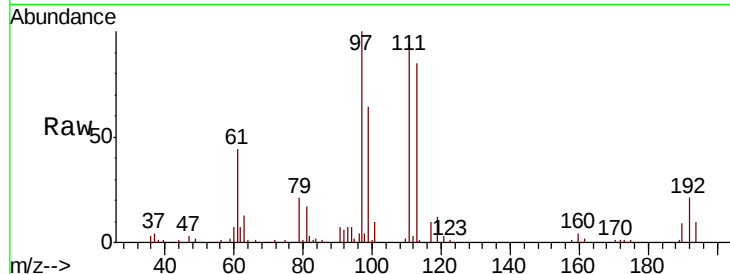
#35  
 Dibromofluoromethane  
 Concen: 49.251 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 107.0 | 82.6  | 123.8 |
| 192     | 22.7  | 17.1  | 25.7  |

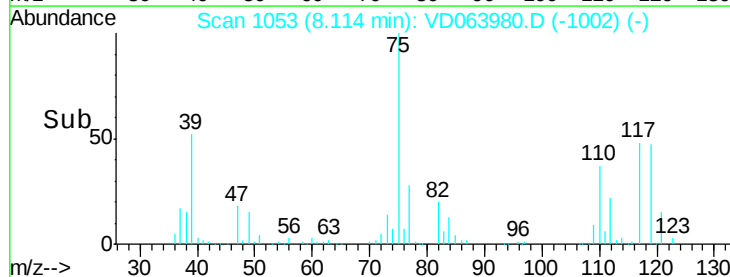
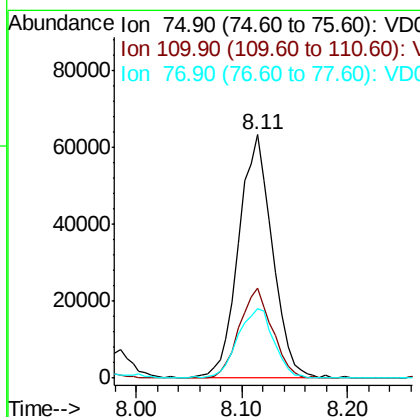
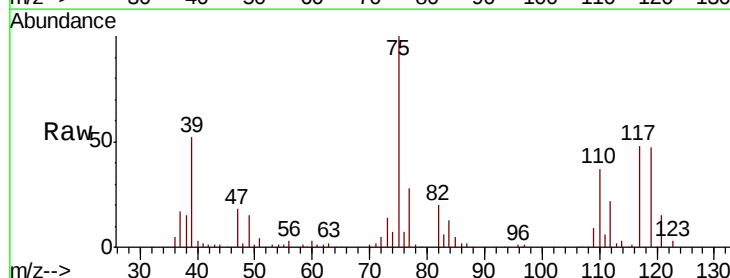
Manual Integrations  
 APPROVED

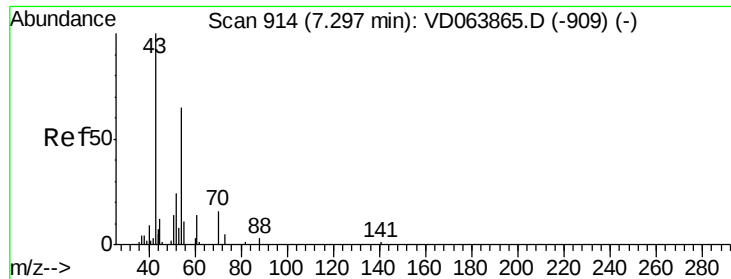
MMDadoda  
 10/18/2019 12:49:46 AM



#36  
 1,1-Dichloropropene  
 Concen: 51.008 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.0  | 17.4  | 52.3  |
| 77      | 30.6  | 25.4  | 38.0  |





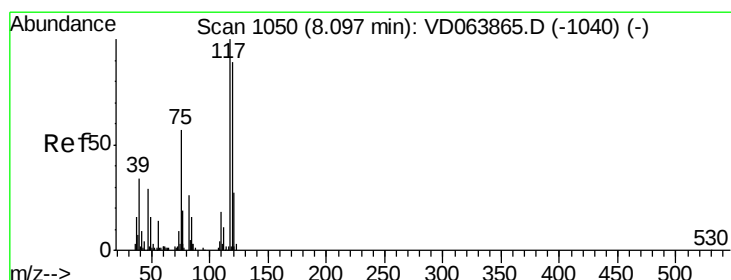
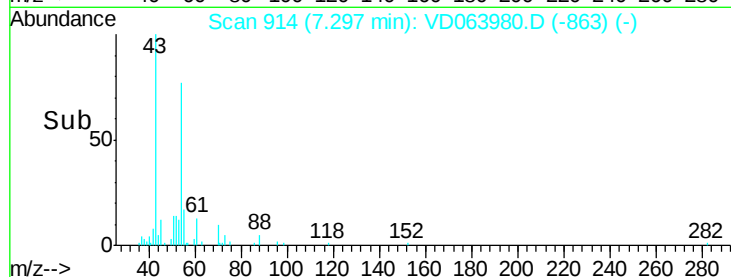
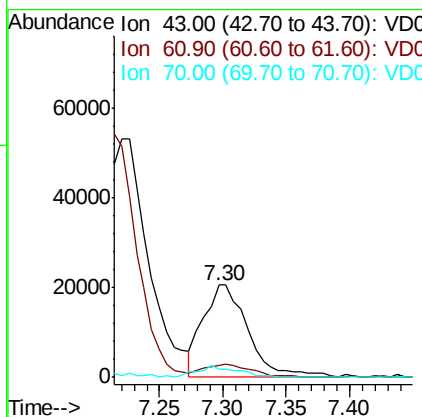
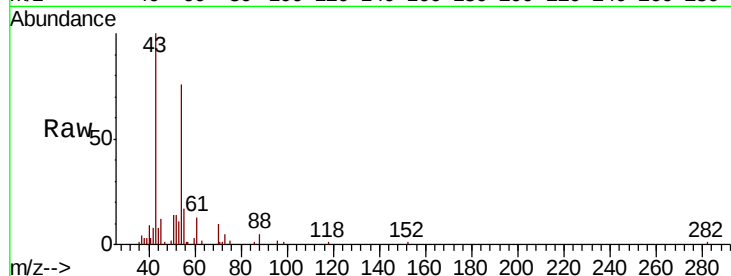
#37  
Ethyl Acetate  
Concen: 44.639 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.3  | 11.5  | 17.3  |
| 70      | 11.7  | 8.2   | 12.4  |

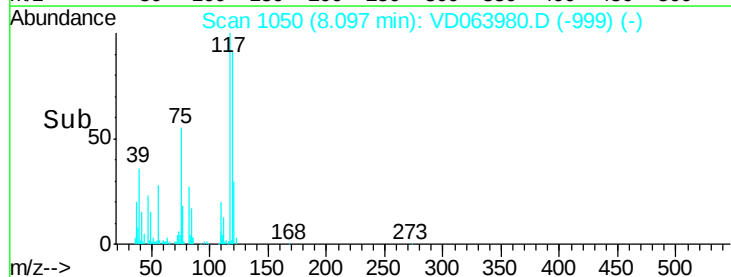
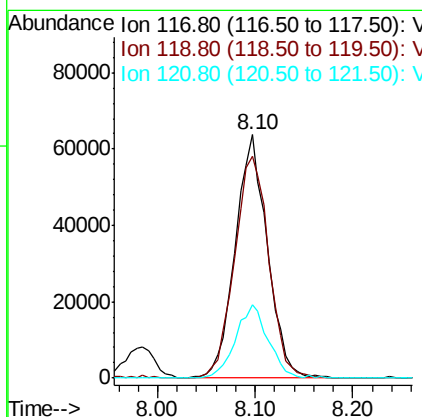
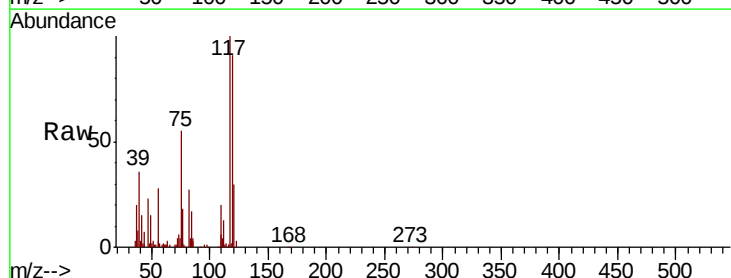
Manual Integrations  
APPROVED

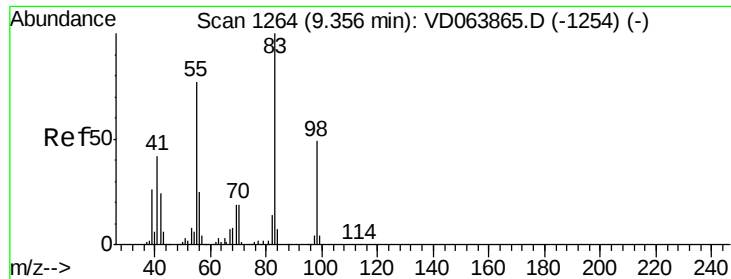
MMDadoda  
10/18/2019 12:49:46 AM



#38  
Carbon Tetrachloride  
Concen: 52.457 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 91.0  | 70.8  | 106.2 |
| 121     | 30.3  | 21.4  | 32.0  |





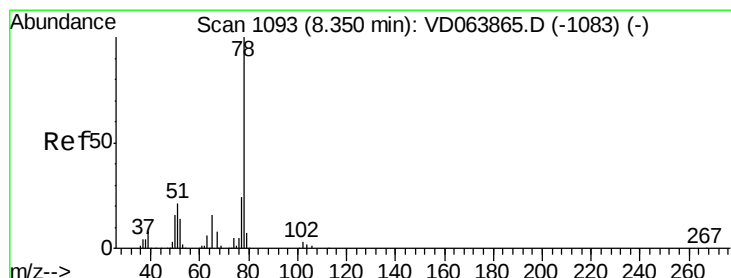
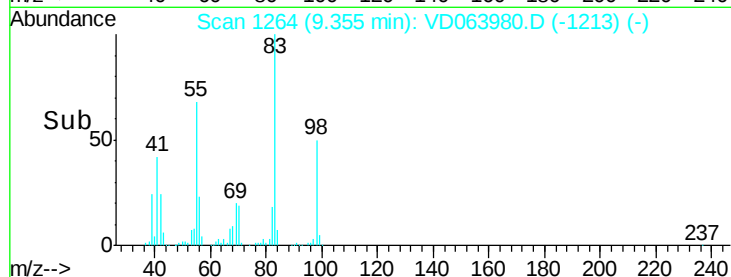
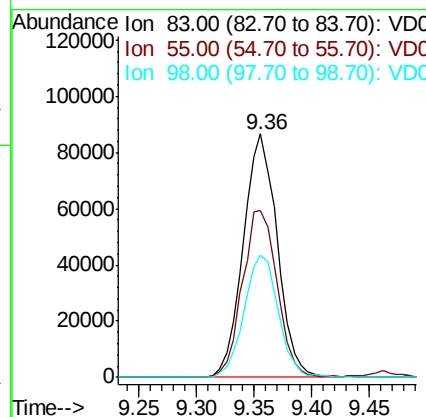
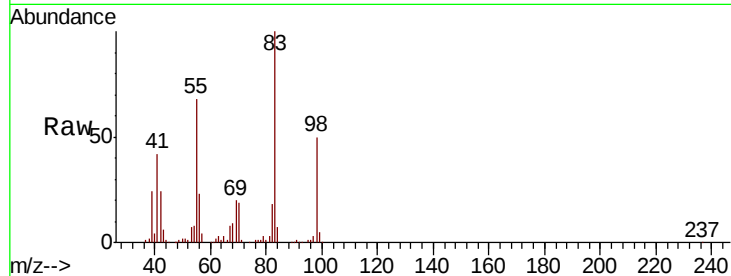
#39  
Methvlcvclohexane  
Concen: 52.436 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 68.3  | 61.3  | 91.9  |
| 98      | 50.1  | 39.3  | 58.9  |

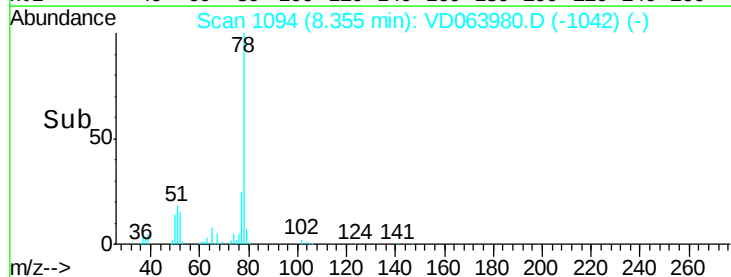
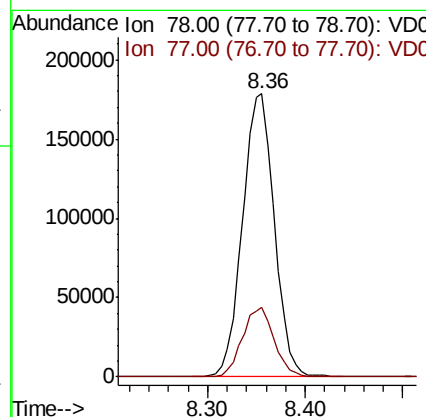
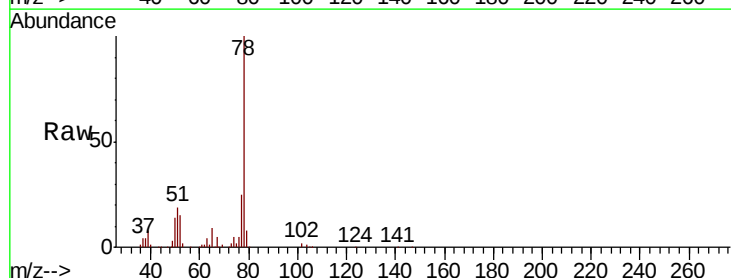
Manual Integrations  
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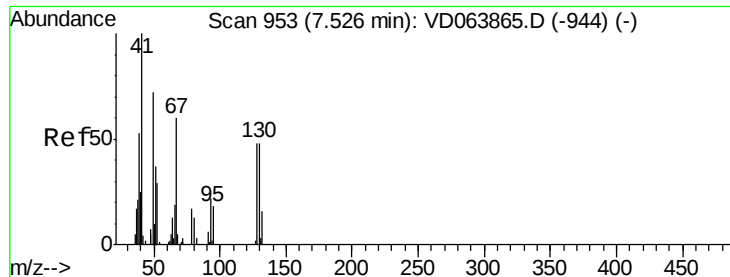
MMDadoda  
10/18/2019 12:49:46 AM



#40  
Benzene  
Concen: 51.521 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.8  | 19.0  | 28.6  |





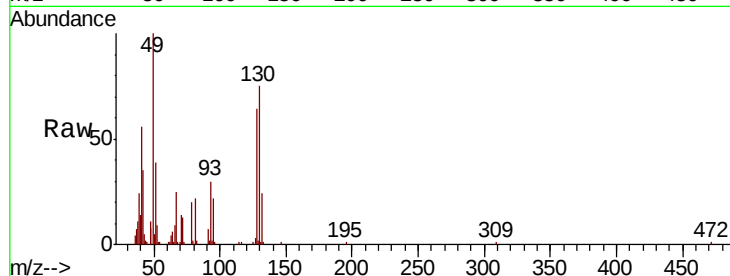
#41  
Methacrylonitrile  
Concen: 56.247 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. 0.02 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 54.9  | 52.6  | 78.8   |
| 67      | 70.2  | 74.2  | 111.2# |
| 52      | 31.6  | 34.0  | 51.0#  |

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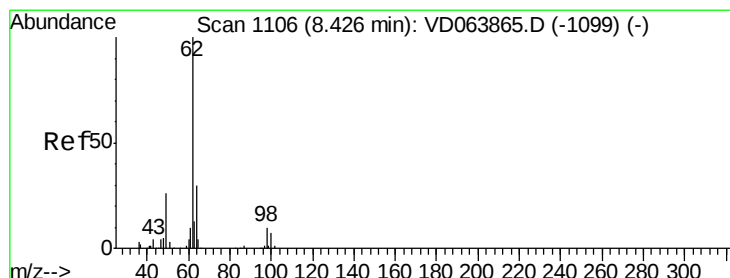
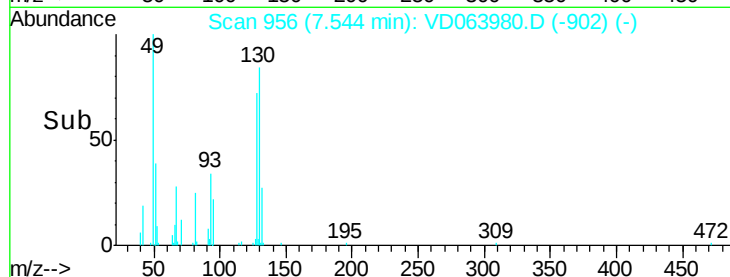
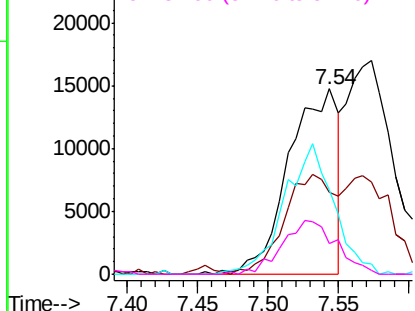
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

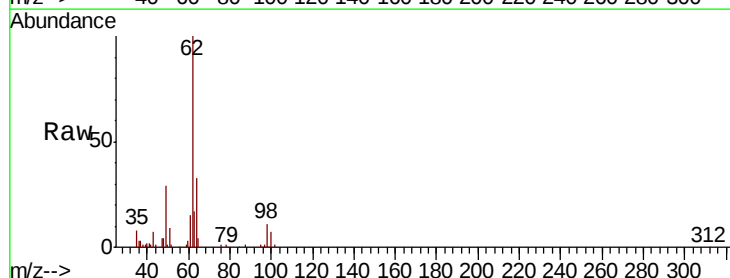
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42  
1,2-Dichloroethane  
Concen: 48.586 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

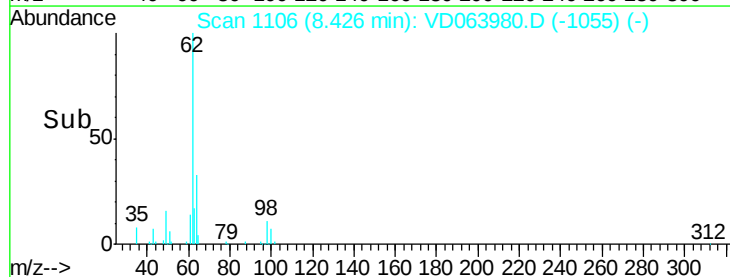
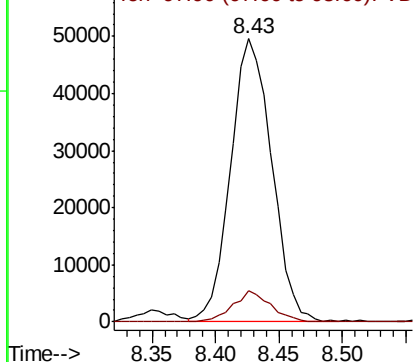
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.0  | 0.0   | 20.0  |

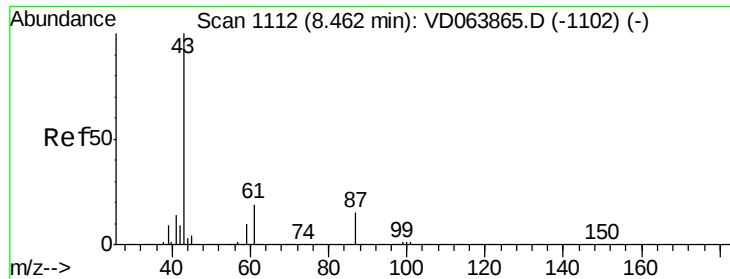


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 44.894 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

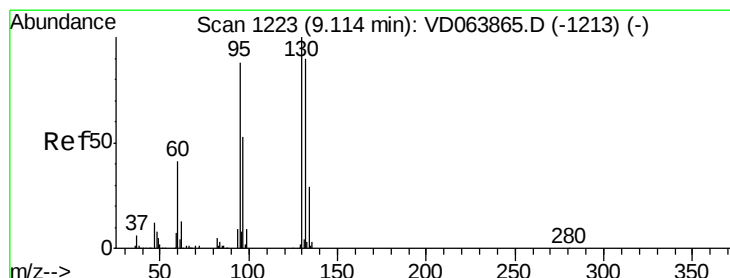
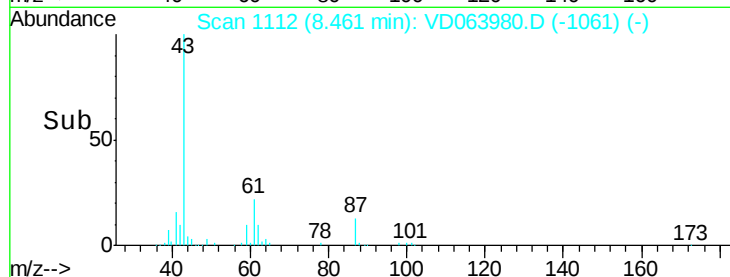
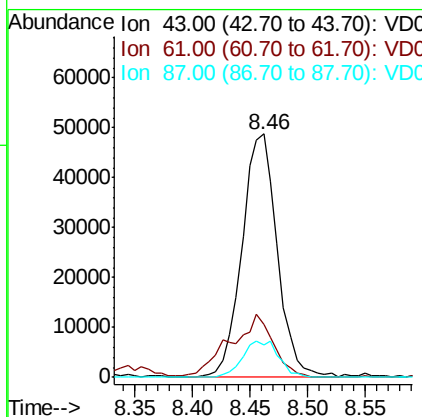
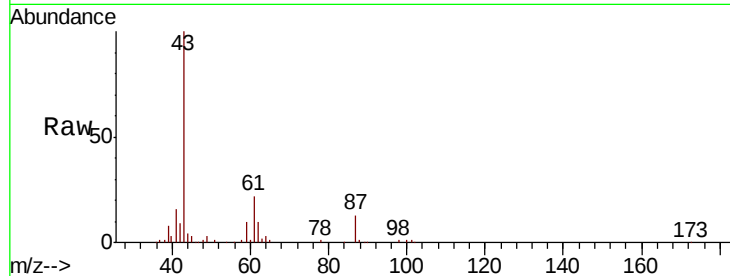
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 103635 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 31.7  | 25.7  | 38.5   |
| 87       | 15.4  | 11.6  | 17.4   |

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#44

Trichloroethene

Concen: 51.223 ug/l

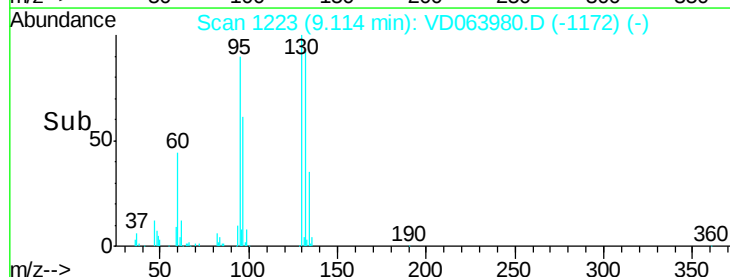
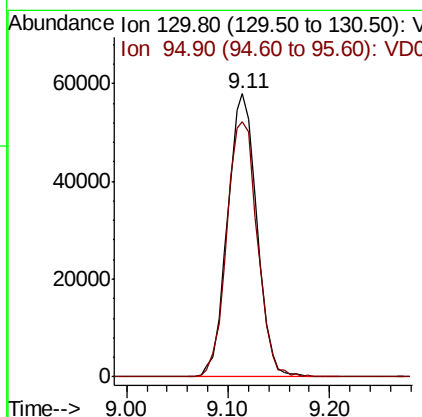
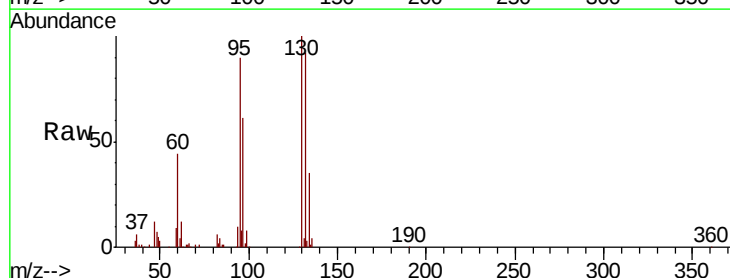
RT: 9.11 min Scan# 1223

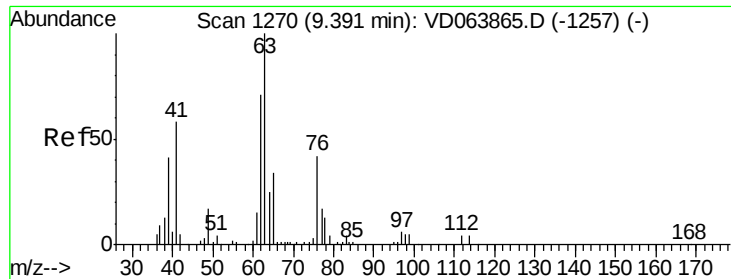
Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 116513 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 90.1  | 0.0   | 175.6  |





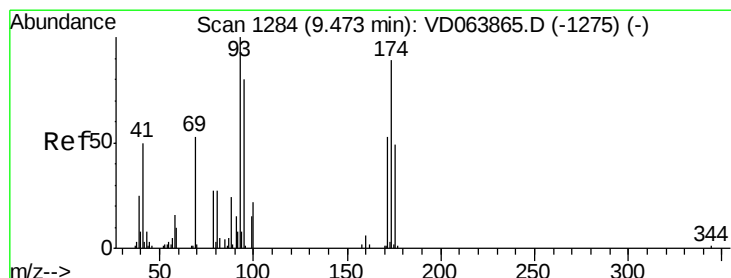
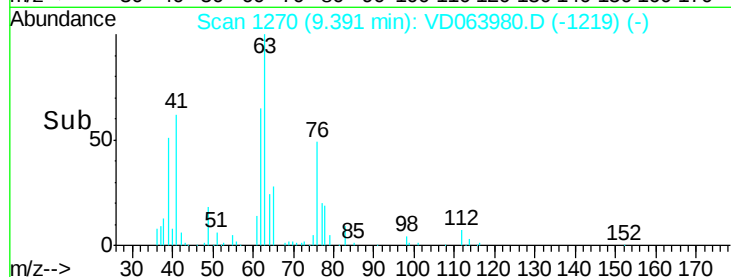
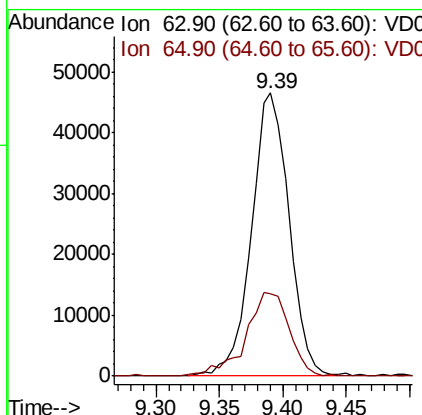
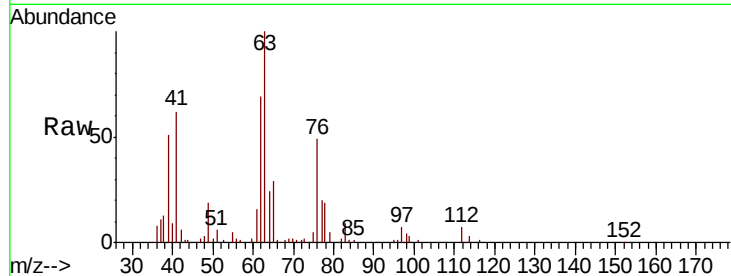
#45  
 1,2-Dichloropropane  
 Concen: 49.800 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 28.9  | 27.3  | 40.9  |

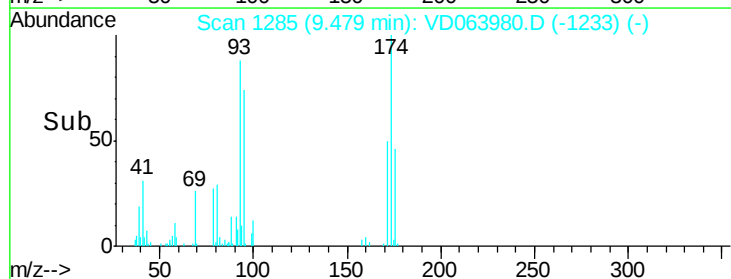
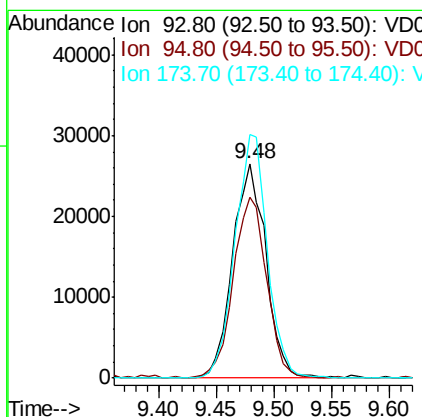
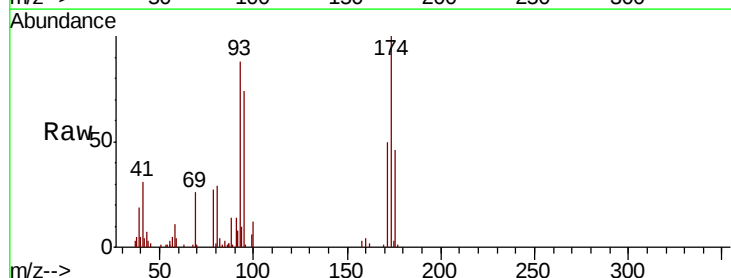
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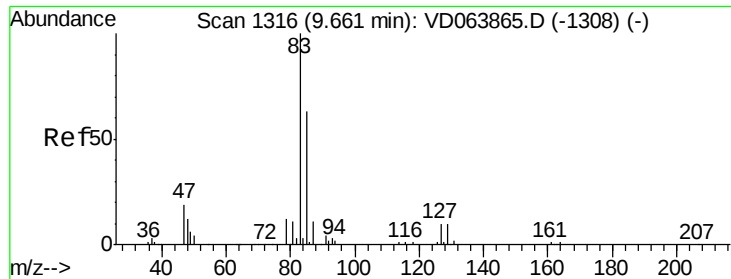
MMDadoda  
 10/18/2019 12:49:46 AM



#46  
 Dibromomethane  
 Concen: 48.092 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 85.0  | 66.0  | 99.0  |
| 174     | 110.6 | 83.4  | 125.0 |





#47

Bromodichloromethane

Concen: 50.312 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

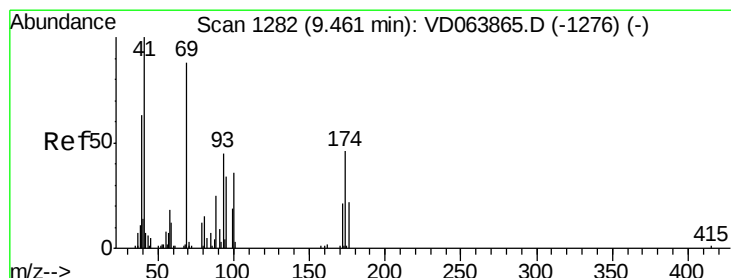
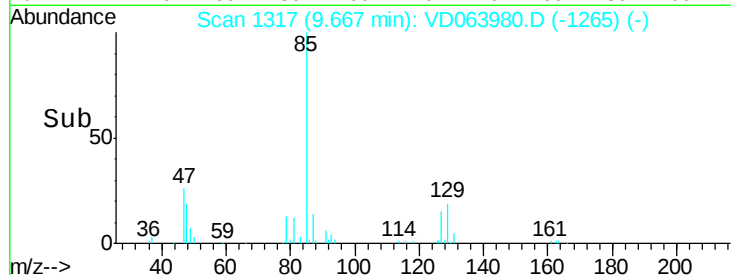
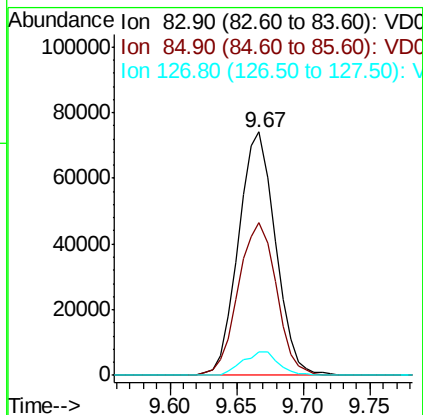
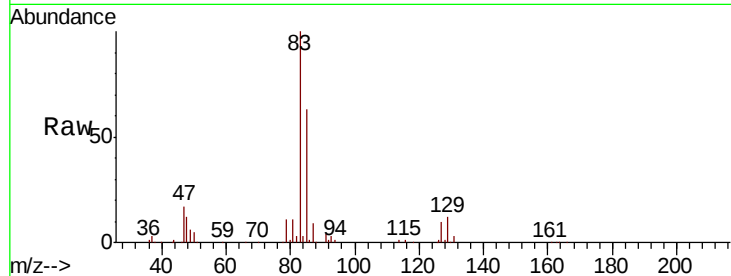
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 142433 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.6  | 50.2  | 75.2   |
| 127      | 9.8   | 7.6   | 11.4   |

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#48

Methyl methacrylate

Concen: 45.642 ug/l

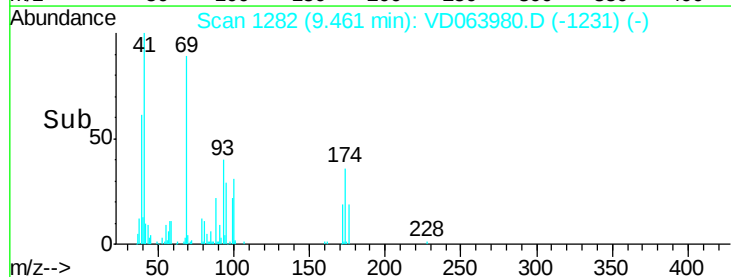
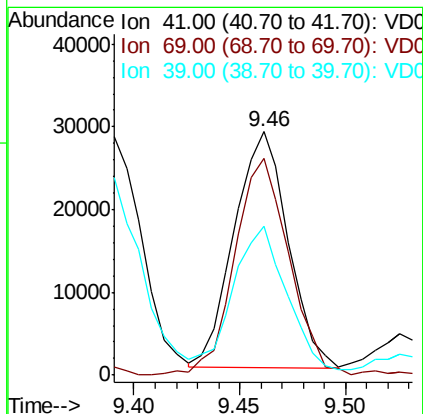
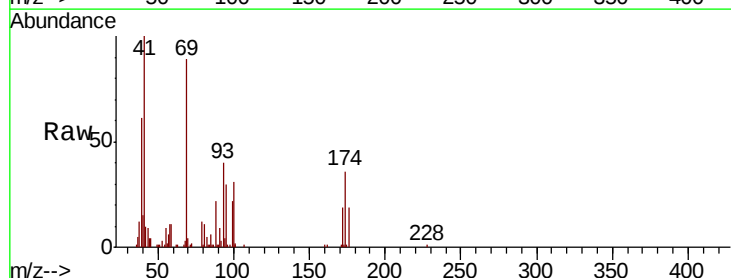
RT: 9.46 min Scan# 1282

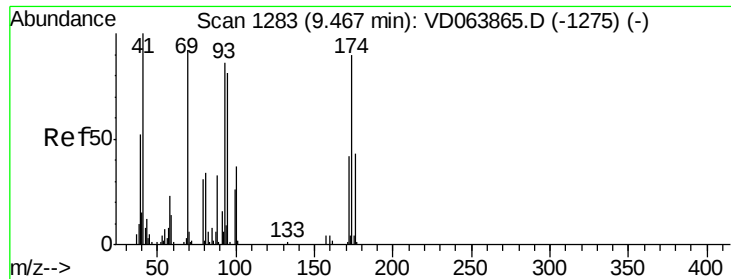
Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 50482 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.5  | 75.1  | 112.7 |
| 39       | 63.0  | 50.2  | 75.2  |





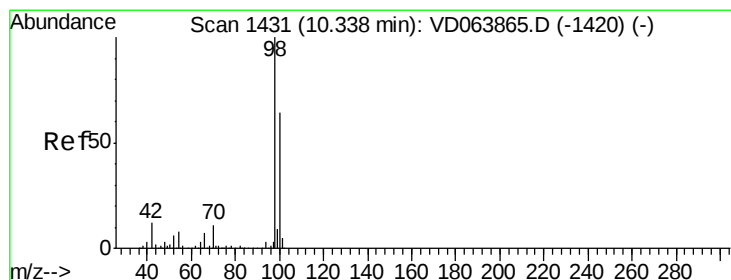
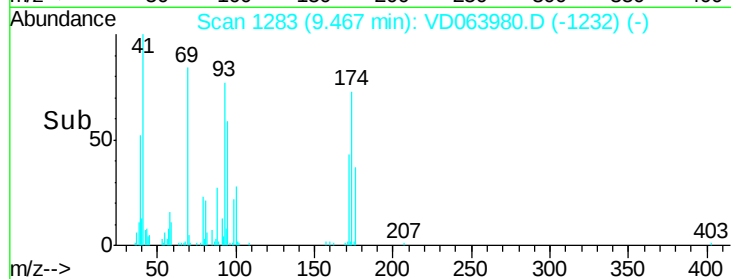
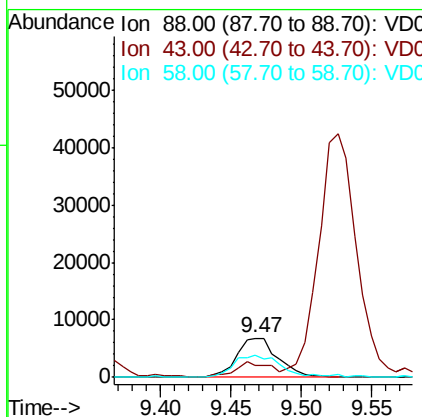
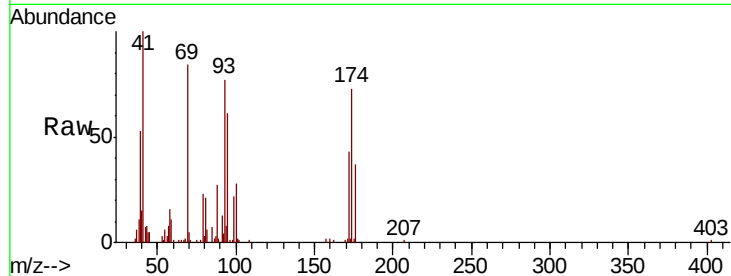
#49  
1,4-Dioxane  
Concen: 937.227 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 14067 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 30.0  | 27.6  | 41.4  |
| 58      | 65.5  | 54.1  | 81.1  |

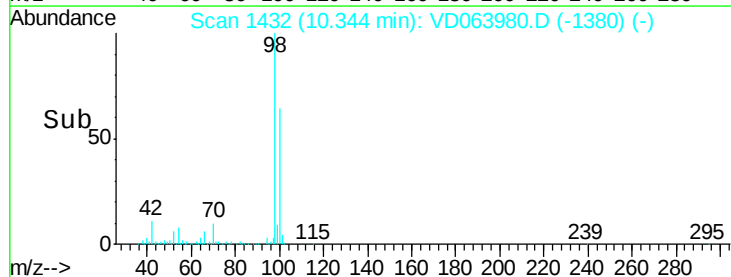
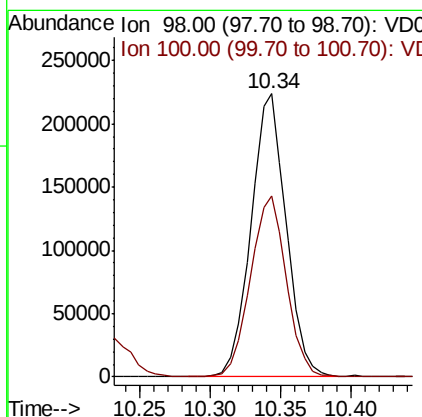
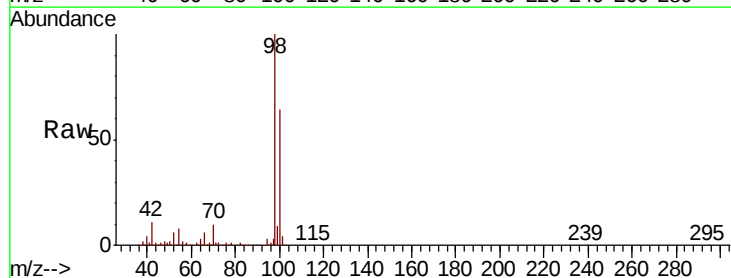
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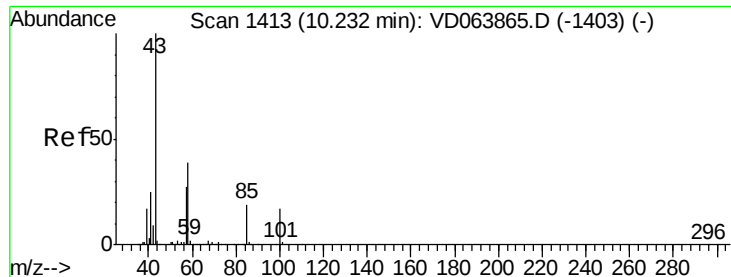
MMDadoda  
10/18/2019 12:49:46 AM



#50  
Toluene-d8  
Concen: 52.343 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | 98    | Resp  | 390874 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.4  | 52.1  | 78.1   |





#51

4-Methyl-2-Pentanone

Concen: 231.692 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 277381

Ion Ratio Lower Upper

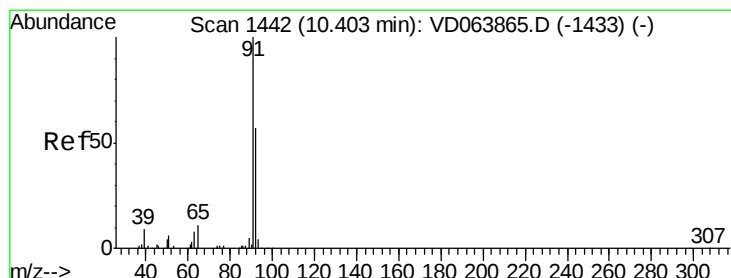
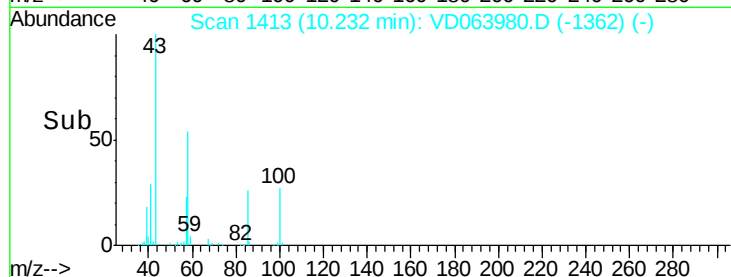
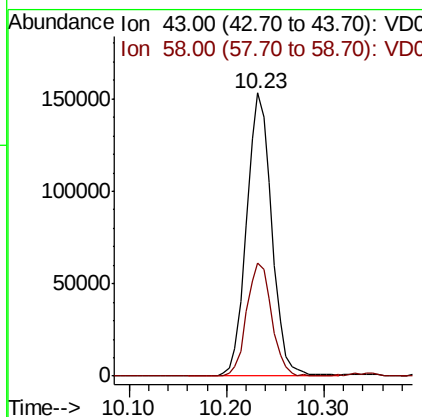
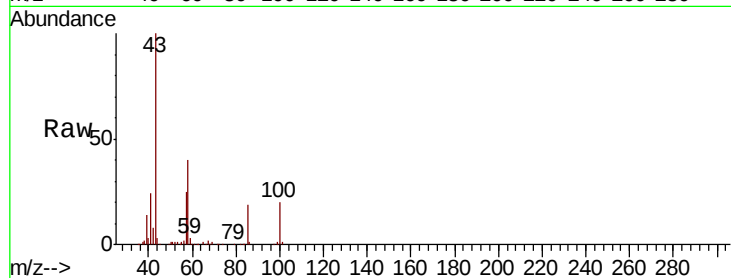
43 100

58 39.7 33.0 49.4

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#52

Toluene

Concen: 52.409 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063980.D

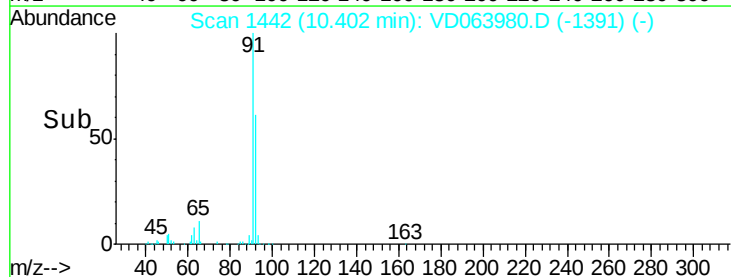
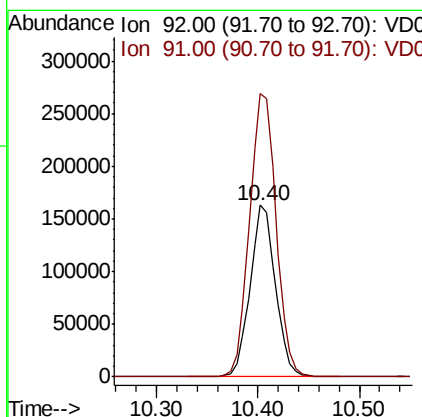
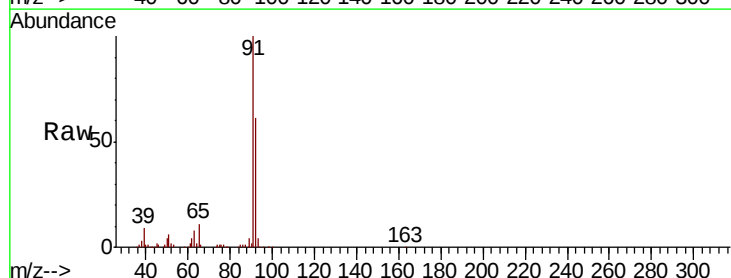
Acq: 16 Oct 2019 11:30

Tgt Ion: 92 Resp: 283795

Ion Ratio Lower Upper

92 100

91 173.2 139.5 209.3





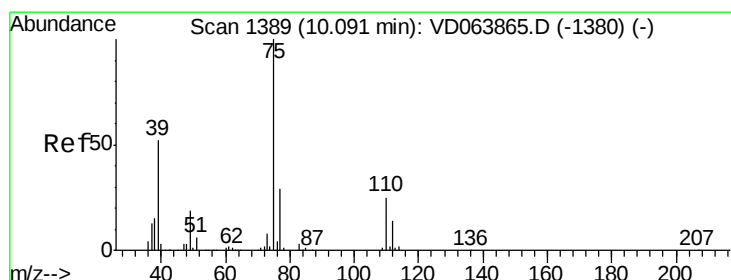
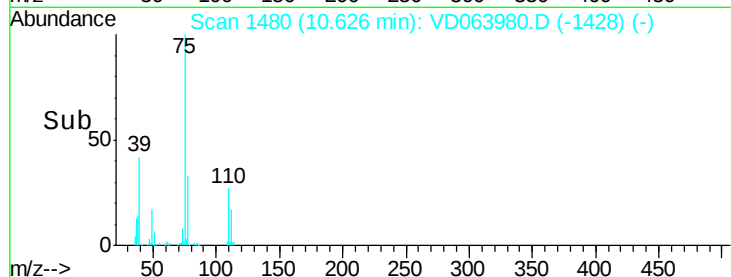
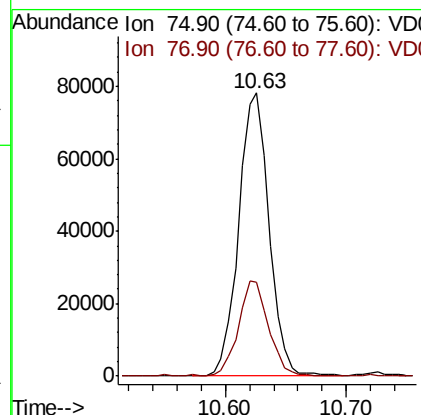
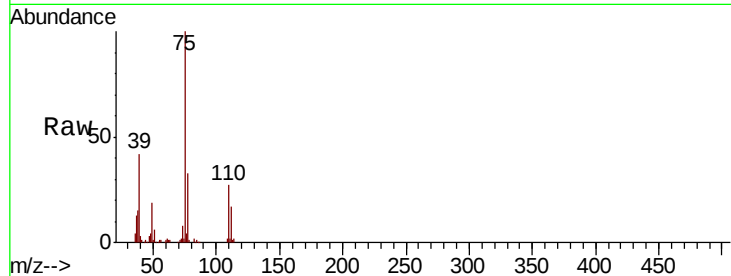
#53  
t-1,3-Dichloropropene  
Concen: 49.770 ug/l  
RT: 10.63 min Scan# 1480  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 137492  
Ion Ratio Lower Upper  
75 100  
77 33.0 22.8 34.2

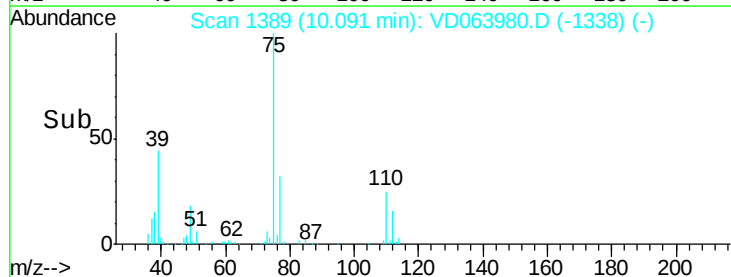
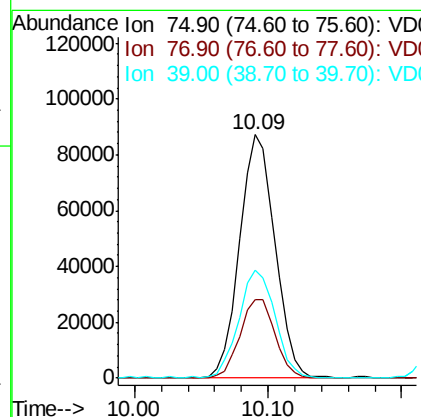
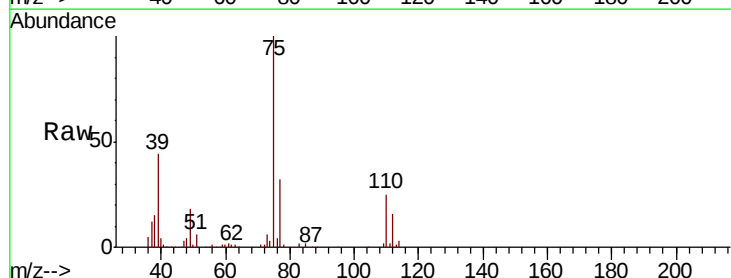
Manual Integrations  
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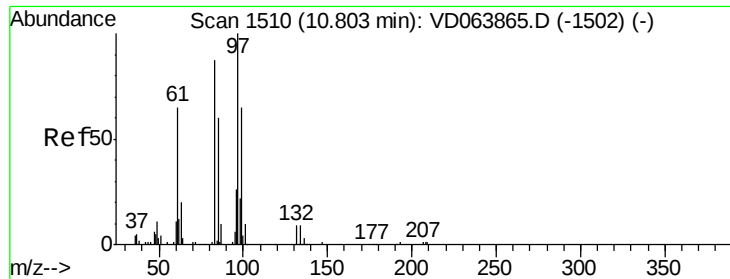
MMDadoda  
10/18/2019 12:49:46 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.388 ug/l  
RT: 10.09 min Scan# 1389  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Tgt Ion: 75 Resp: 160234  
Ion Ratio Lower Upper  
75 100  
77 32.2 23.2 34.8  
39 44.1 41.5 62.3





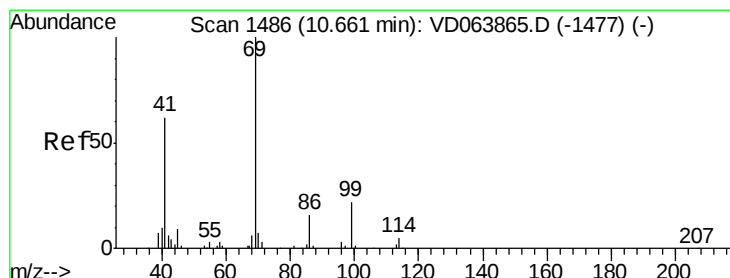
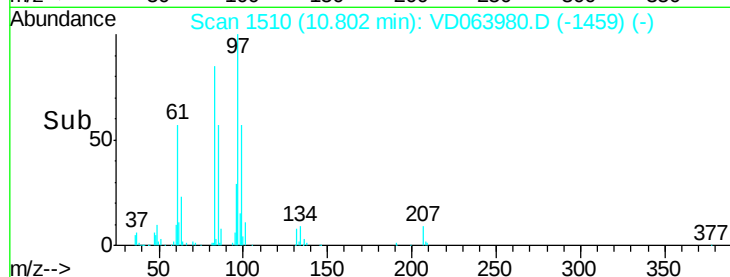
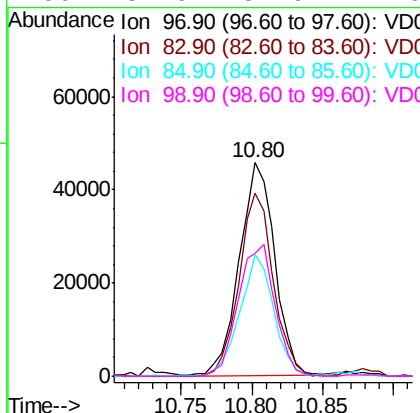
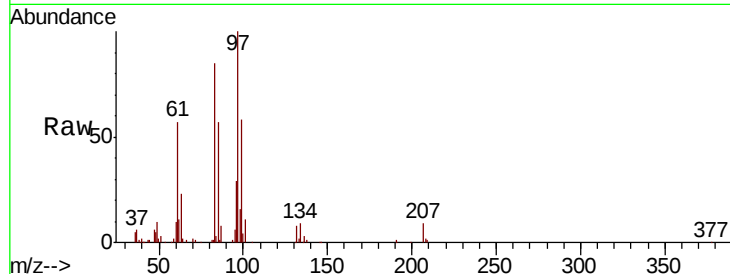
#55  
 1,1,2-Trichloroethane  
 Concen: 51.790 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 80406 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.8  | 69.7  | 104.5 |
| 85       | 56.8  | 48.1  | 72.1  |
| 99       | 57.9  | 51.9  | 77.9  |

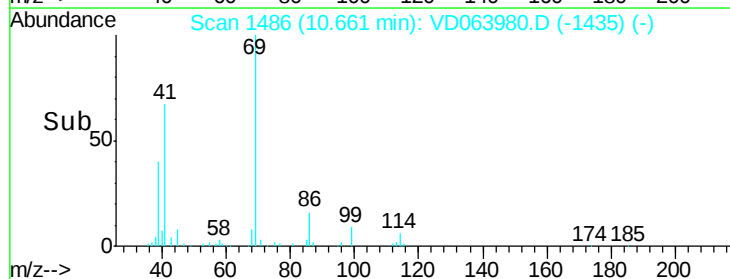
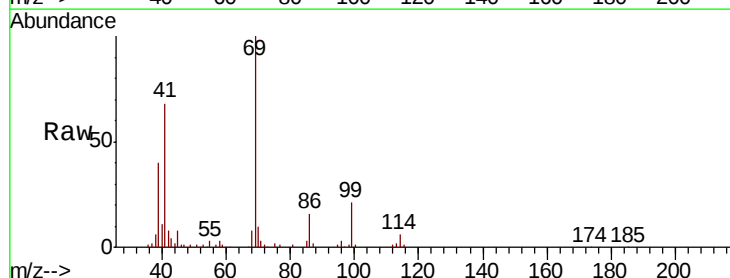
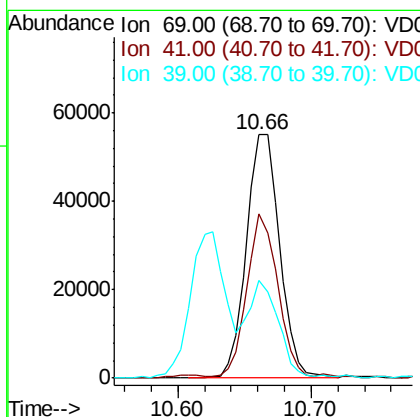
Manual Integrations  
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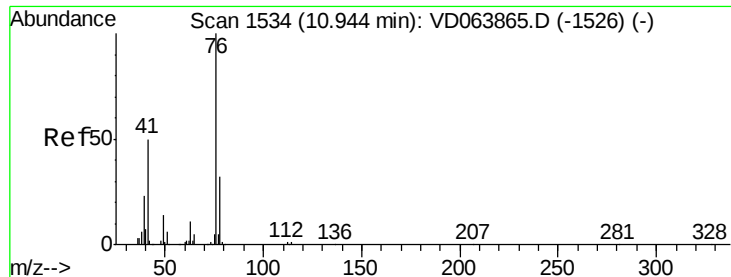
MMDadoda  
 10/18/2019 12:49:46 AM



#56  
 Ethyl methacrylate  
 Concen: 48.336 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 95032 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 61.2  | 51.3  | 76.9  |
| 39       | 36.8  | 28.0  | 42.0  |





#57

1,3-Dichloropropane

Concen: 50.087 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 133048

Ion Ratio Lower Upper

76 100

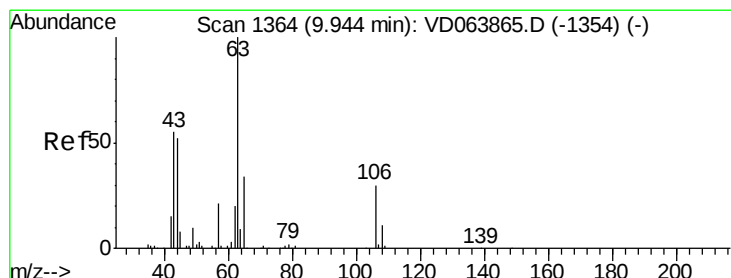
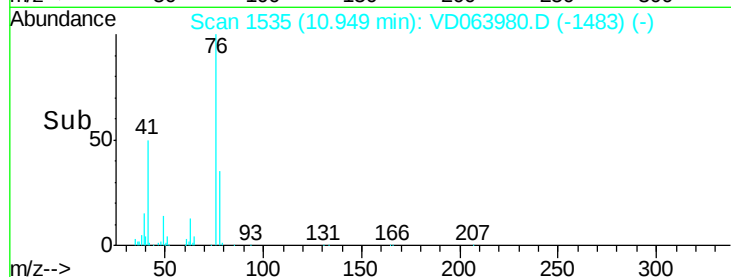
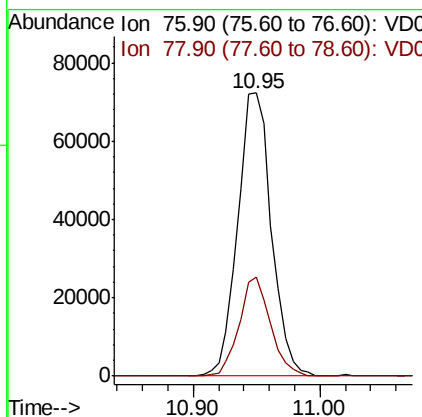
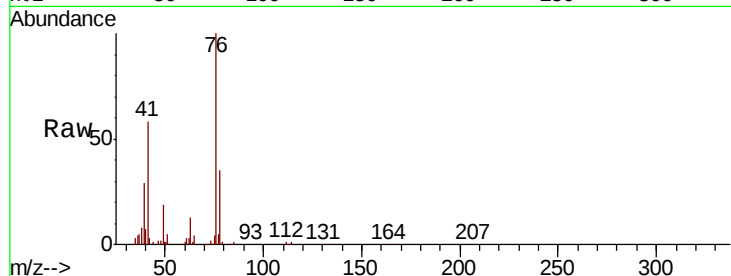
78 32.6 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 260.464 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063980.D

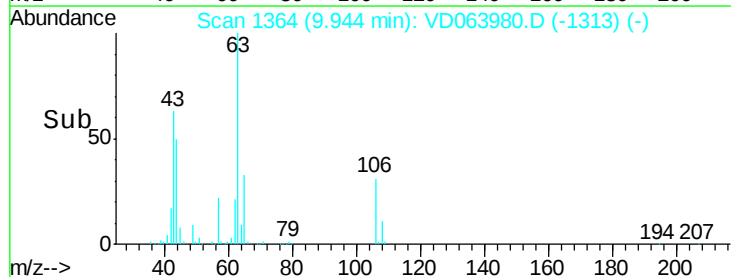
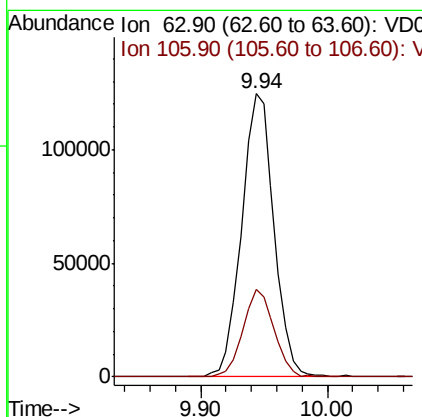
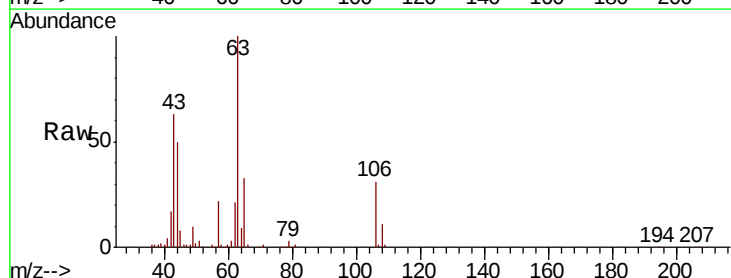
Acq: 16 Oct 2019 11:30

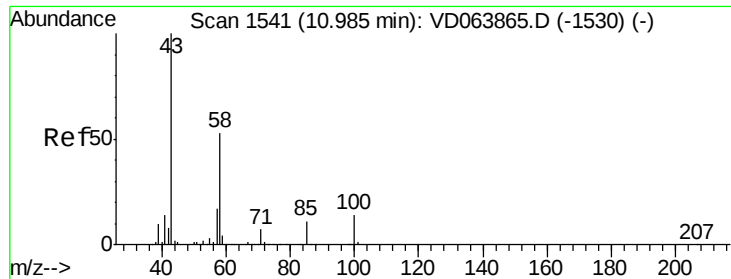
Tgt Ion: 63 Resp: 220118

Ion Ratio Lower Upper

63 100

106 29.9 24.3 36.5





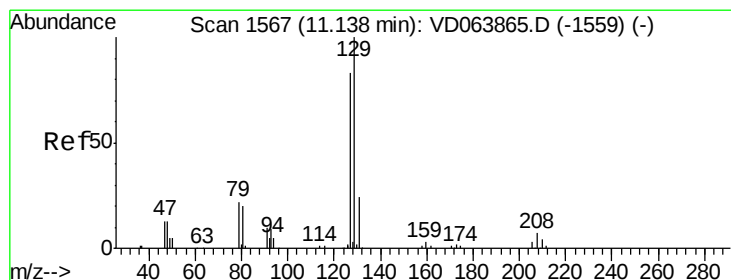
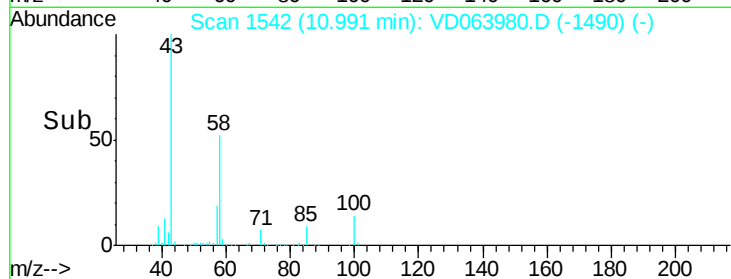
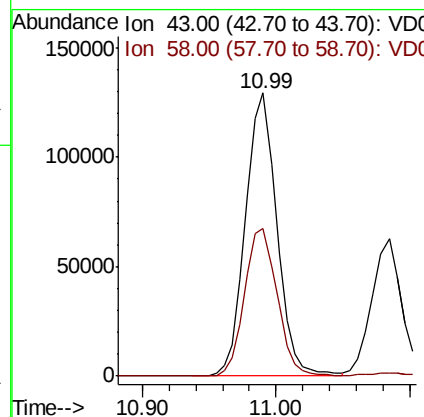
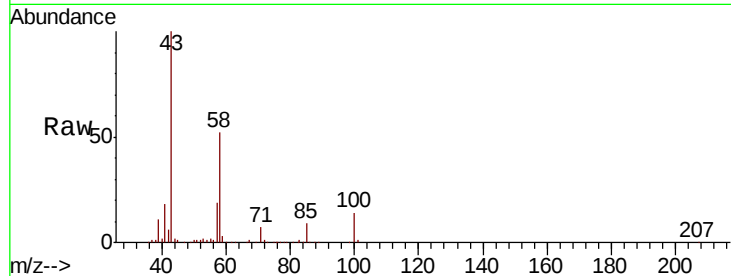
#59  
2-Hexanone  
Concen: 242.629 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 210121  
Ion Ratio Lower Upper  
43 100  
58 53.9 27.7 83.0

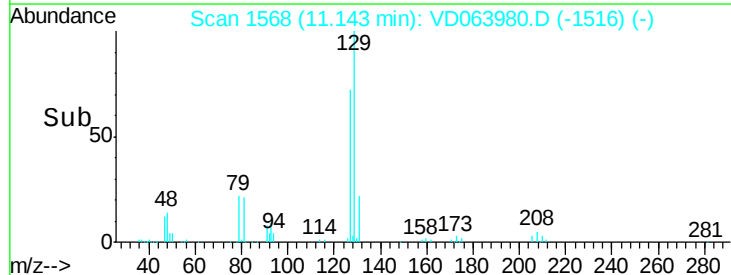
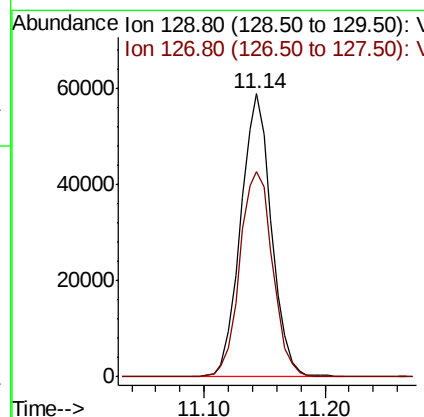
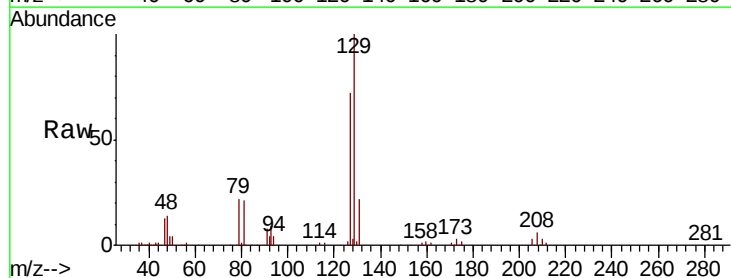
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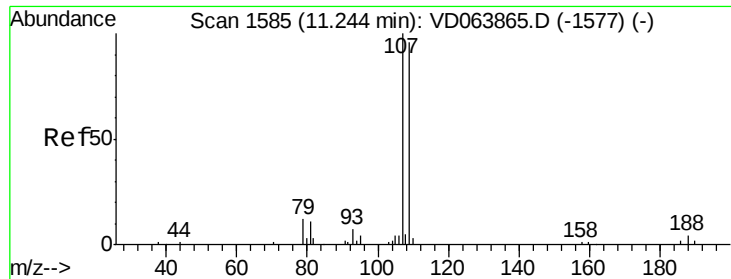
MMDadoda  
10/18/2019 12:49:46 AM



#60  
Dibromochloromethane  
Concen: 51.723 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Tgt Ion: 129 Resp: 104547  
Ion Ratio Lower Upper  
129 100  
127 77.2 39.9 119.6





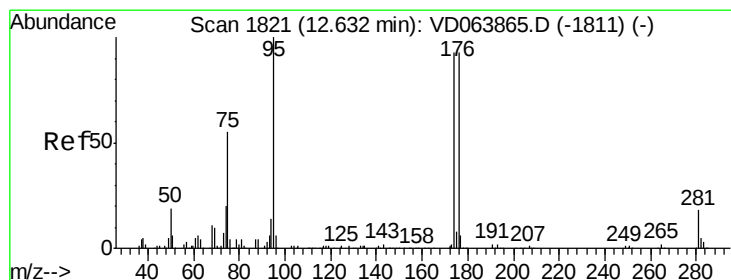
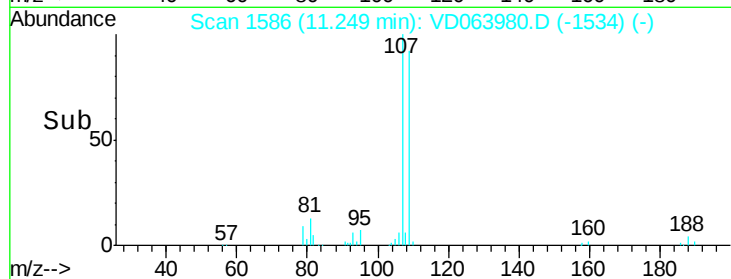
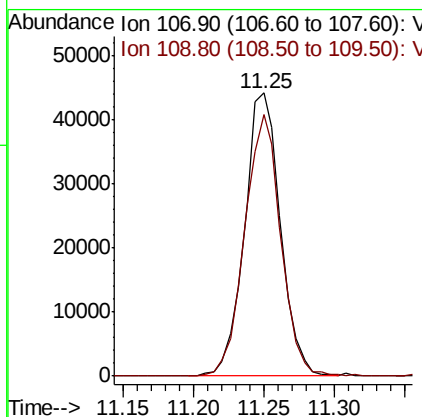
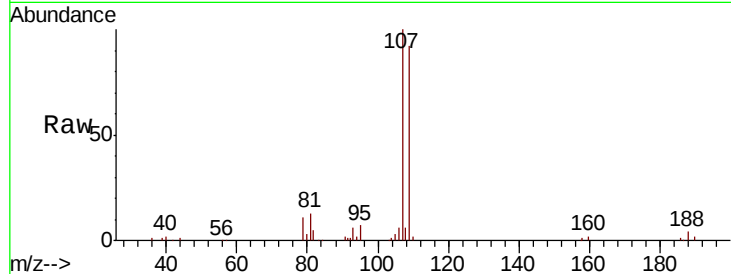
#61  
1,2-Dibromoethane  
Concen: 52.301 ug/l  
RT: 11.25 min Scan# 1586  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.0  | 75.2  | 112.8 |

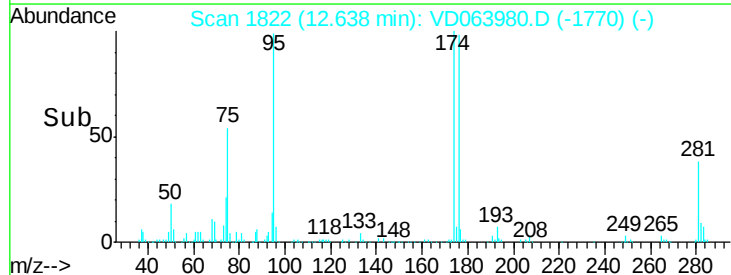
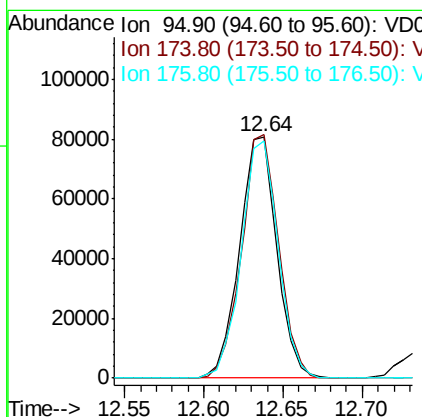
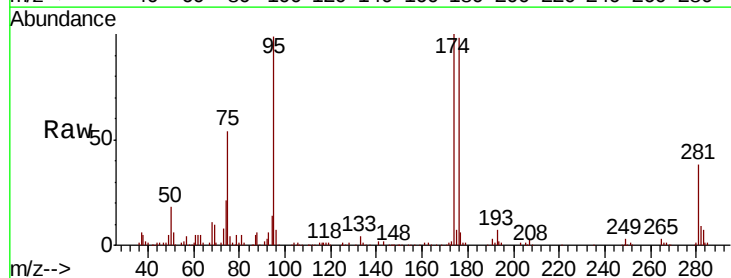
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#62  
4-Bromofluorobenzene  
Concen: 50.786 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 100.5 | 0.0   | 186.4 |
| 176     | 97.6  | 0.0   | 184.2 |





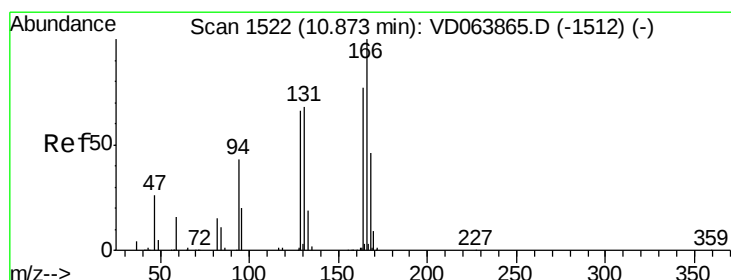
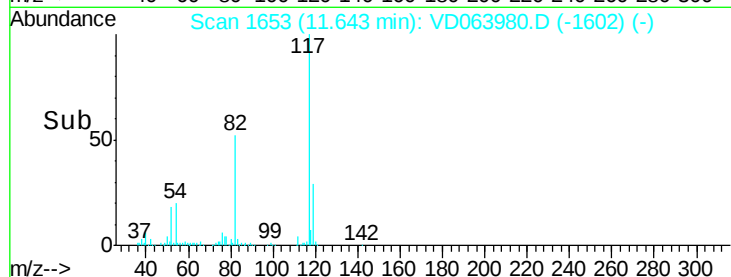
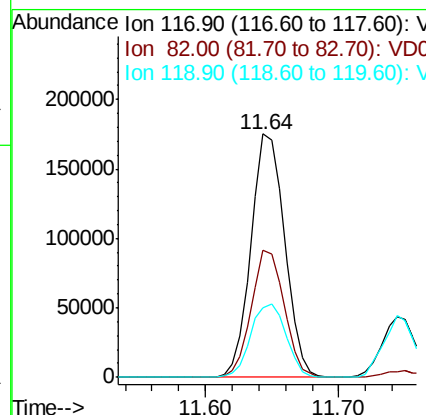
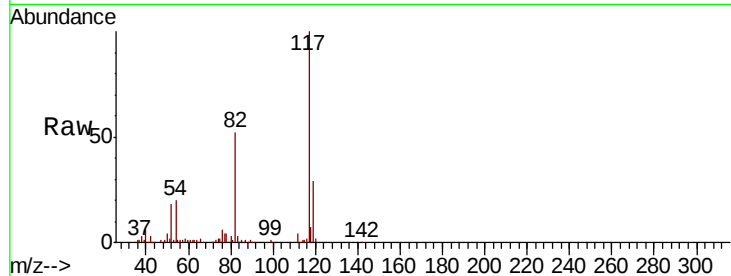
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 306423 |       |       |
| 82      | 52.2  |        | 42.8  | 64.2  |
| 119     | 28.6  |        | 24.4  | 36.6  |

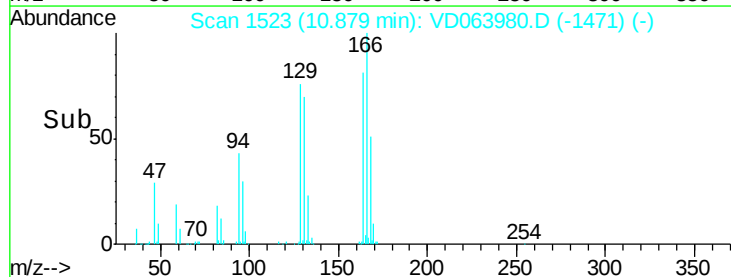
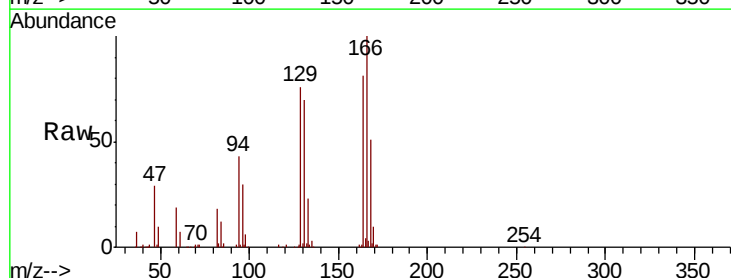
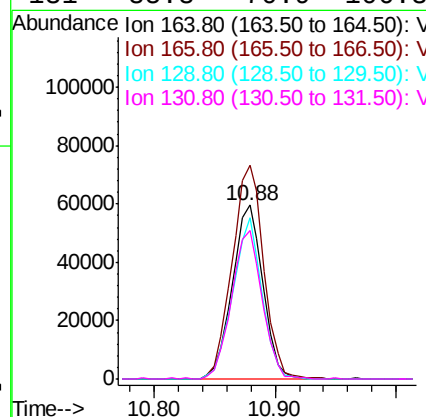
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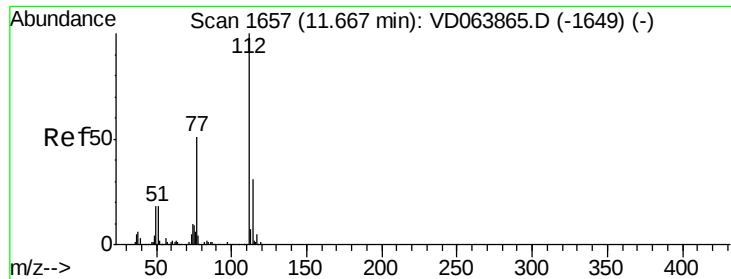
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 50.168 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 104946 |       |       |
| 166     | 123.1 |        | 103.8 | 155.6 |
| 129     | 93.3  |        | 68.9  | 103.3 |
| 131     | 85.8  |        | 70.9  | 106.3 |





#65

Chlorobenzene

Concen: 51.278 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 315555

Ion Ratio Lower Upper

112 100

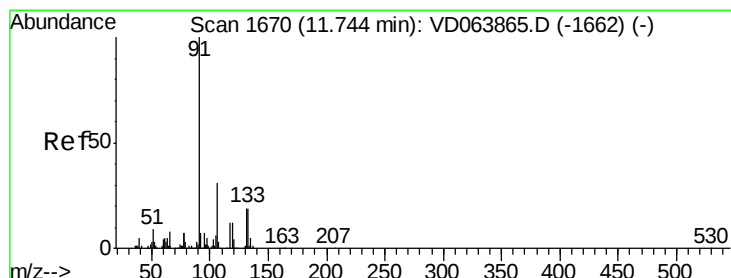
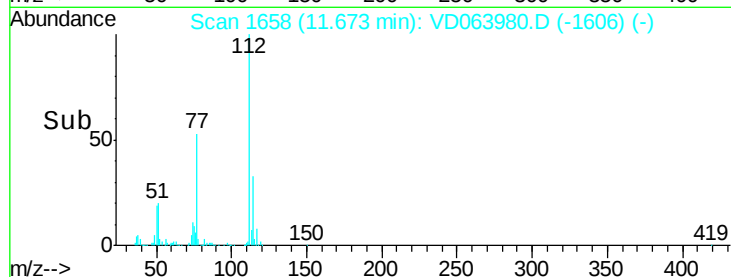
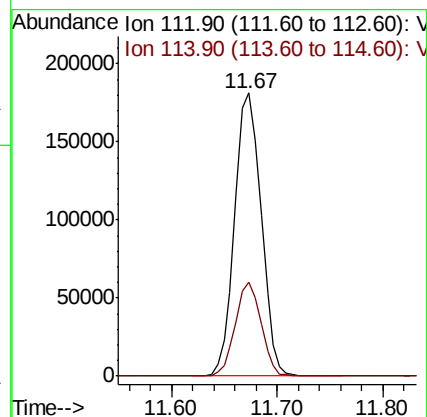
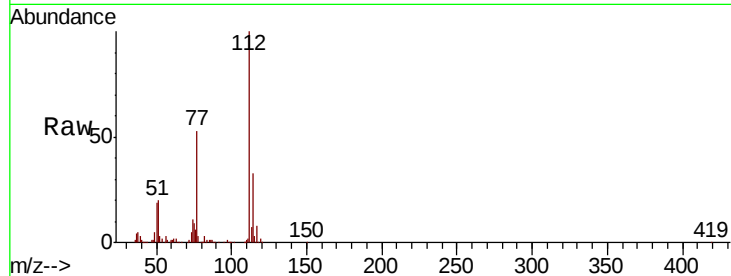
114 33.2 25.1 37.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.539 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

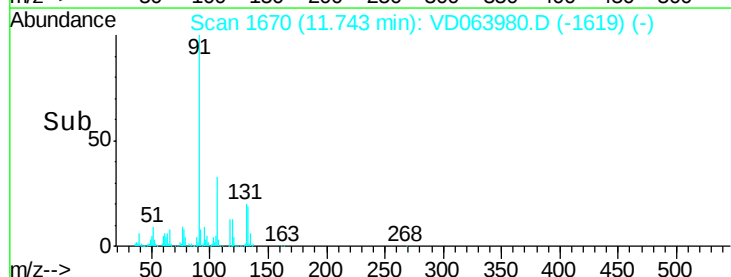
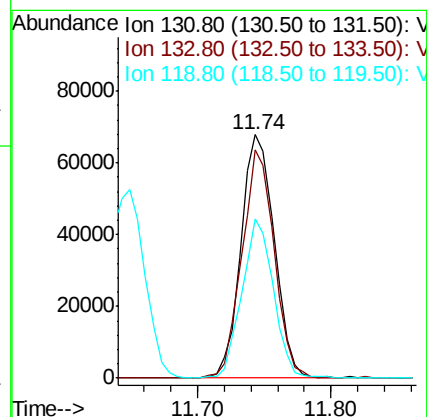
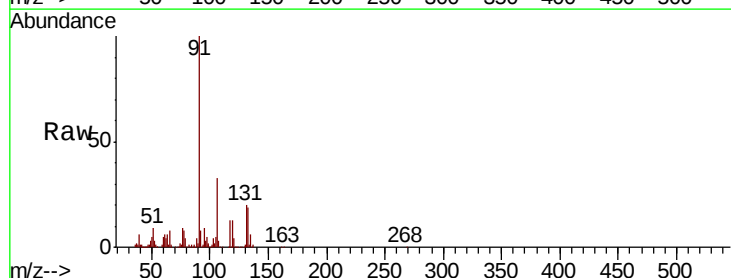
Tgt Ion:131 Resp: 116867

Ion Ratio Lower Upper

131 100

133 90.8 48.9 146.7

119 62.1 32.6 97.8





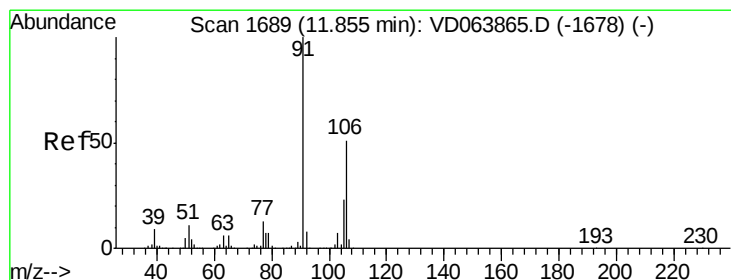
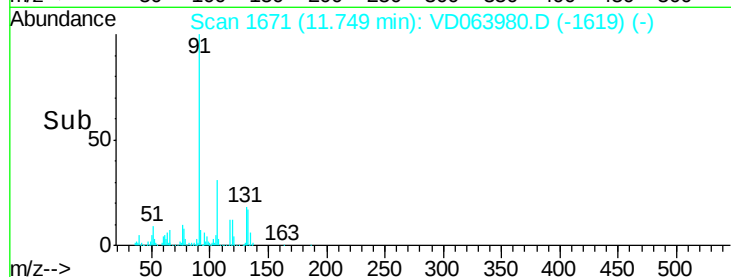
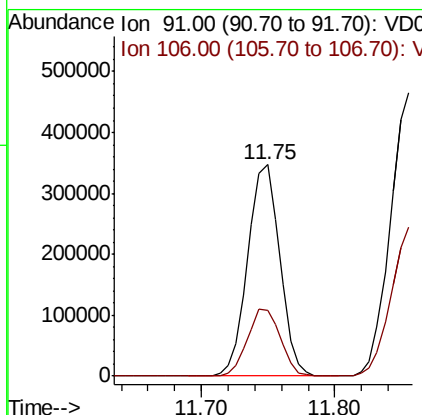
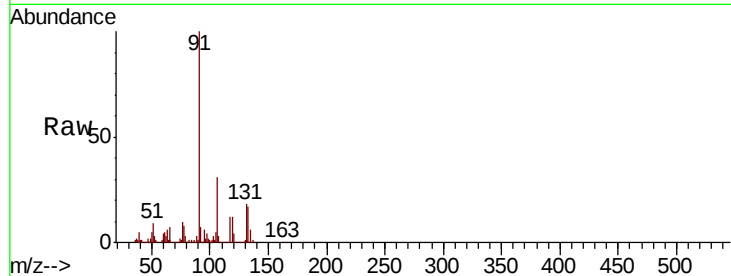
#67  
Ethyl Benzene  
Concen: 51.856 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 575423  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.6 37.0

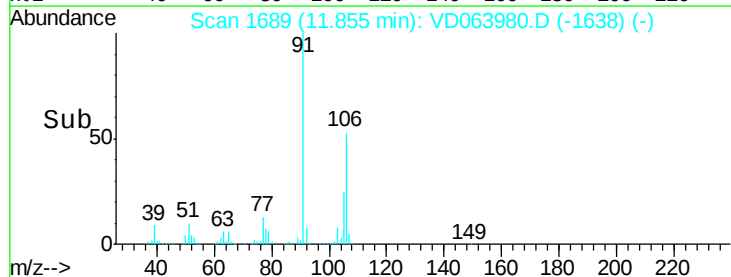
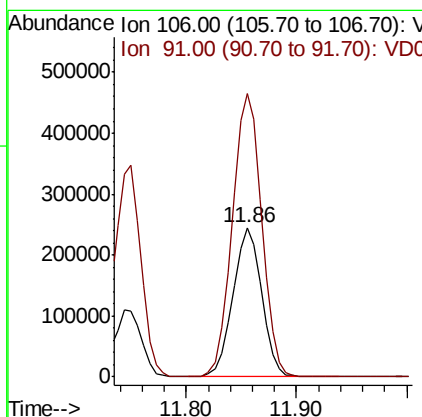
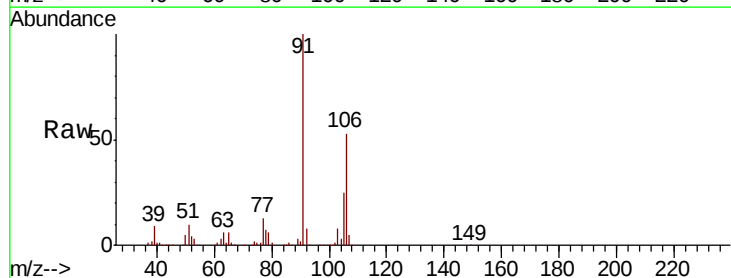
Manual Integrations  
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#68  
m/p-Xylenes  
Concen: 104.433 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Tgt Ion: 106 Resp: 447287  
Ion Ratio Lower Upper  
106 100  
91 194.4 154.8 232.2





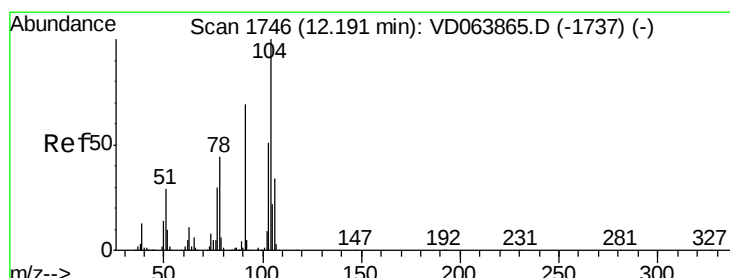
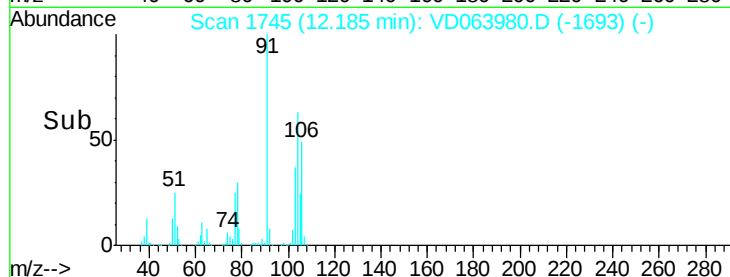
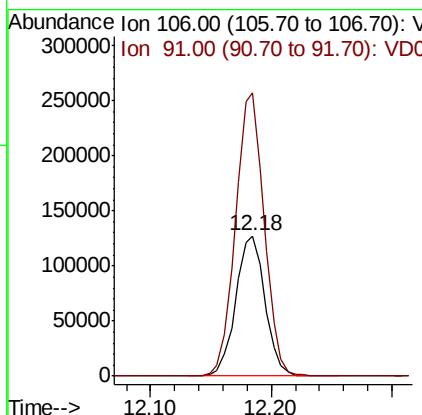
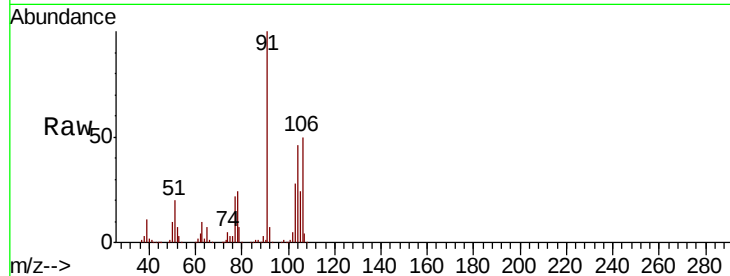
#69  
o-Xylene  
Concen: 52.293 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 214462  | 106 | 100   |       |       |
|         | 91  | 198.2 | 103.9 | 311.7 |

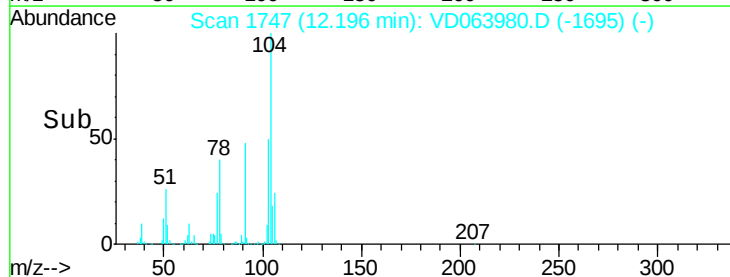
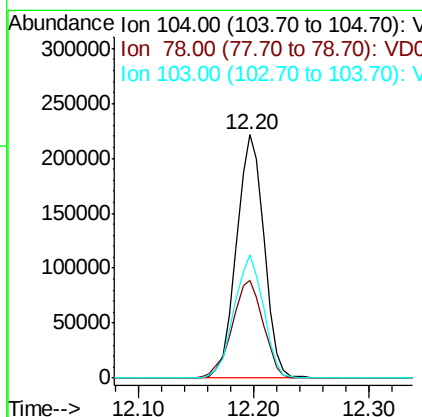
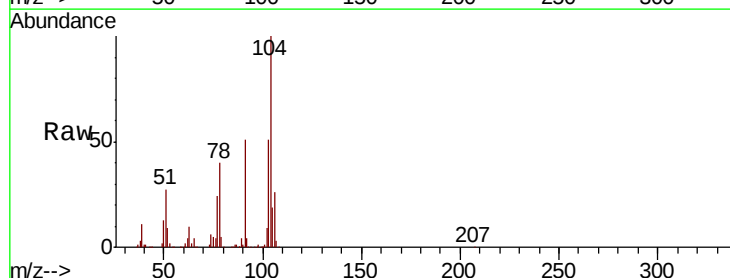
Manual Integrations  
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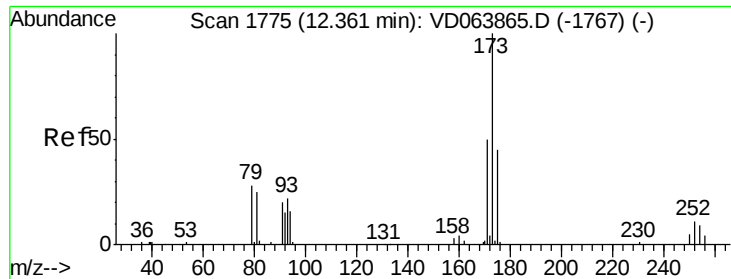
MMDadoda  
10/18/2019 12:49:46 AM



#70  
Styrene  
Concen: 52.646 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 365506  | 104 | 100   |       |       |
|         | 78  | 45.2  | 37.0  | 55.4  |
|         | 103 | 54.4  | 44.2  | 66.4  |





#71

Bromoform

Concen: 50.846 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61875

Ion Ratio Lower Upper

173 100

175 48.6 24.6 74.0

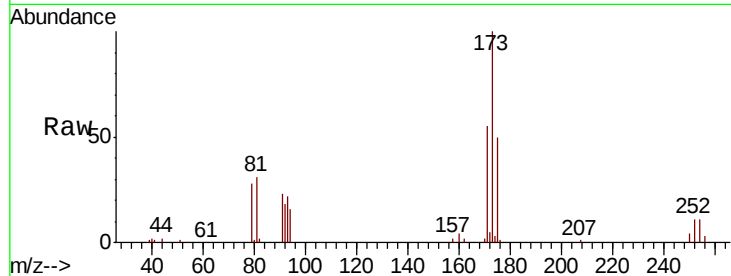
254 0.0 0.0 0.0

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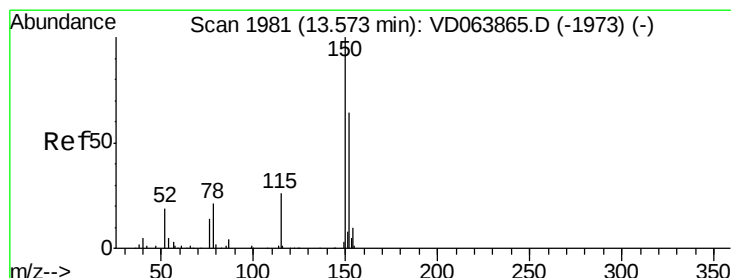
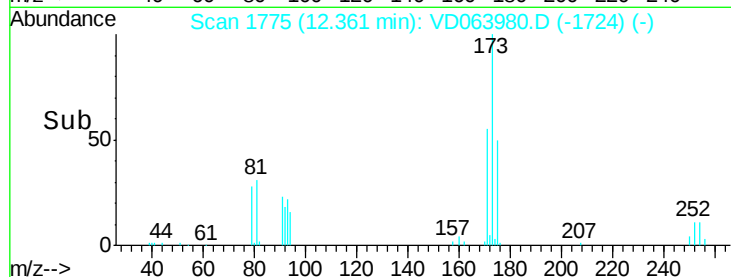
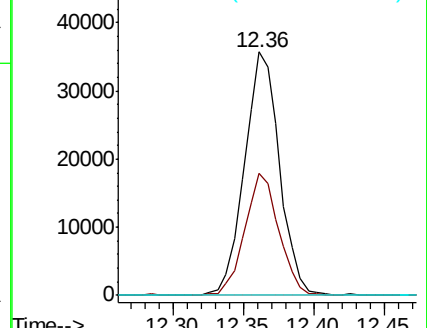
10/18/2019 12:49:46 AM



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: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

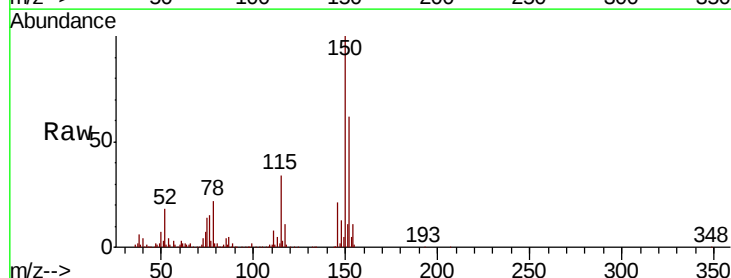
Tgt Ion:152 Resp: 169029

Ion Ratio Lower Upper

152 100

115 51.9 25.9 77.7

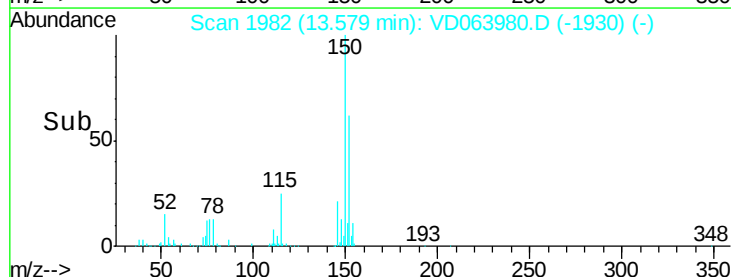
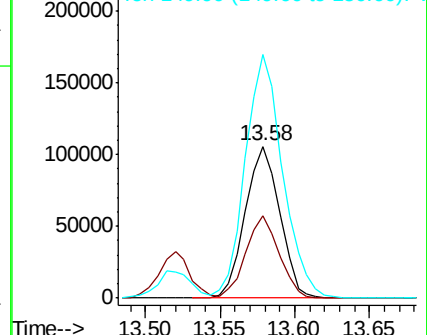
150 174.2 0.0 344.2

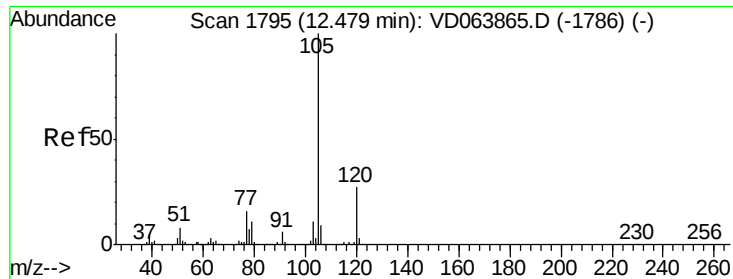


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.878 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 578125

Ion Ratio Lower Upper

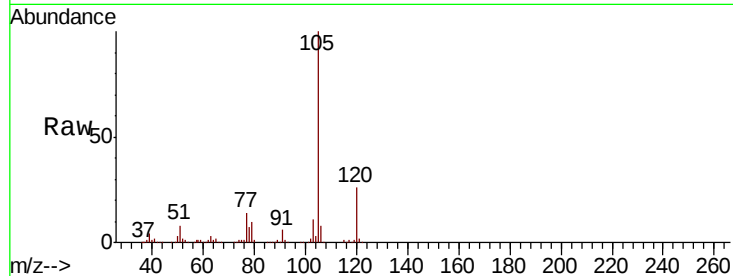
105 100

120 27.0 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

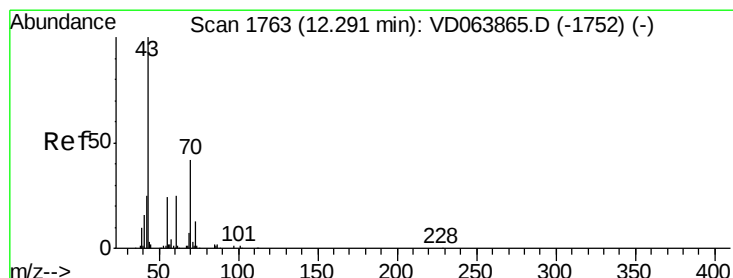
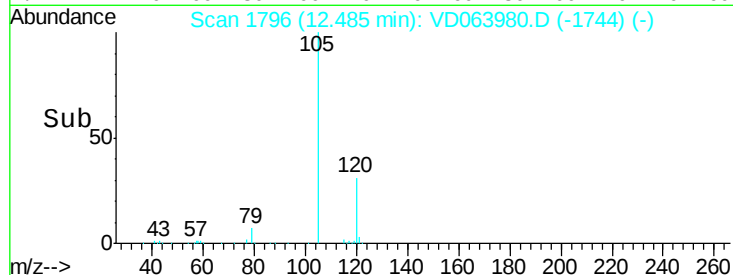
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 43.409 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Tgt Ion: 43 Resp: 106199

Ion Ratio Lower Upper

43 100

70 45.7 35.8 53.6

55 24.1 19.4 29.0

61 25.0 20.4 30.6

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

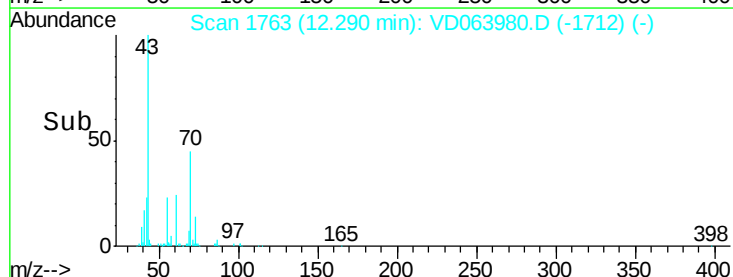
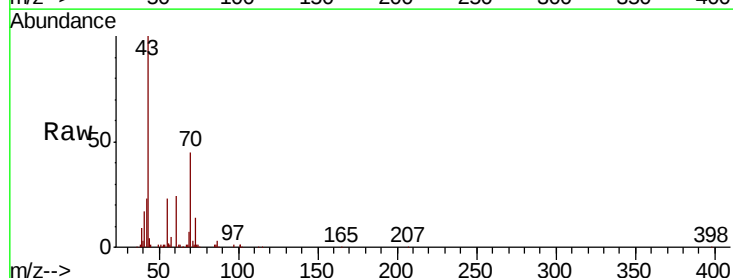
60000

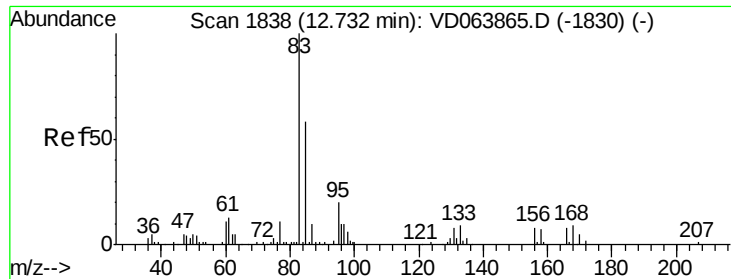
40000

20000

0

Time-->





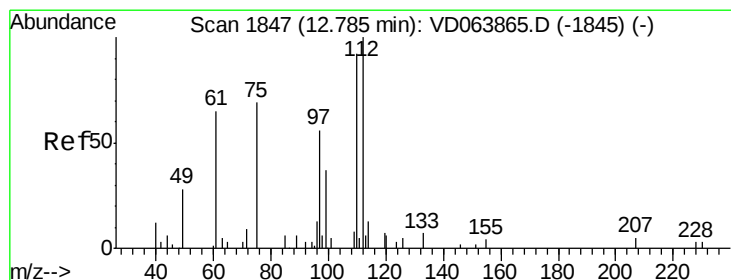
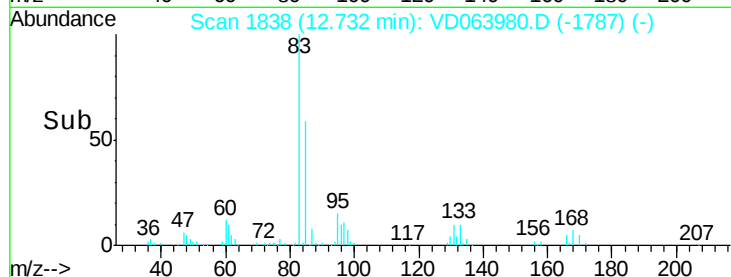
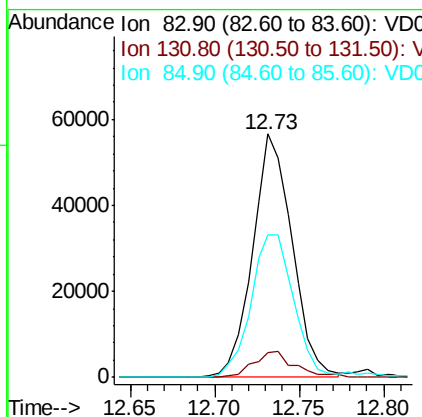
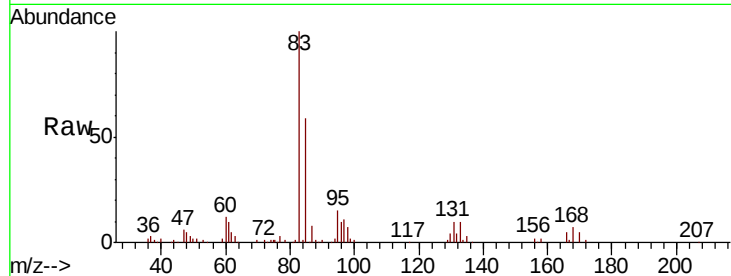
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 46.590 ug/l  
 RT: 12.73 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 131     | 11.3  | 5.6  | 16.8  |       |
| 85      | 63.2  | 32.3 | 96.8  |       |

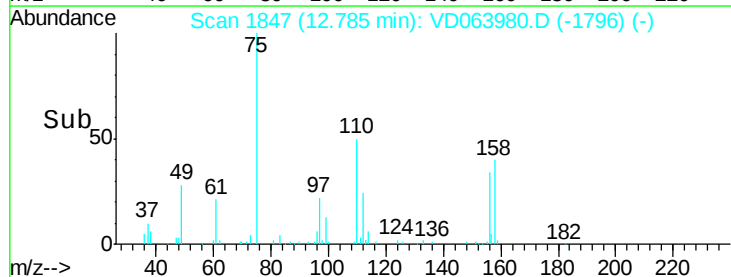
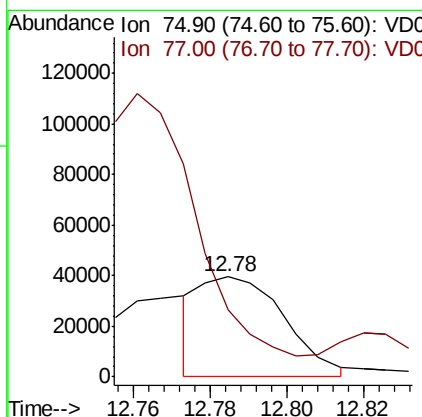
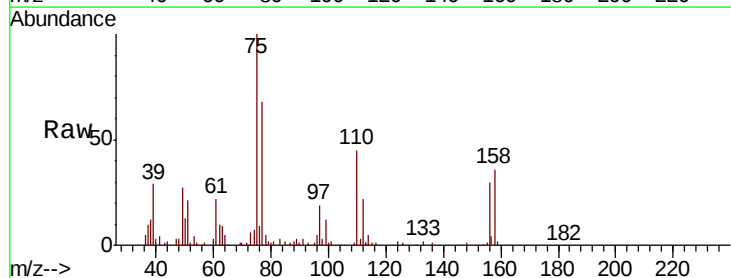
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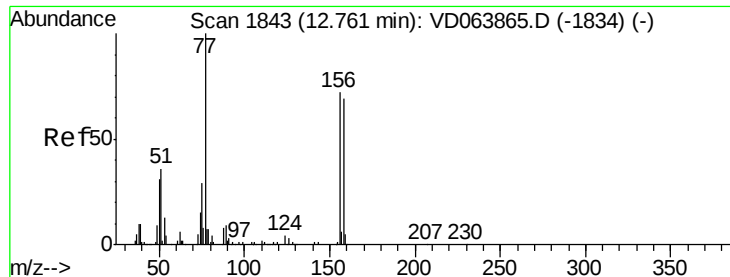
MMDadoda  
 10/18/2019 12:49:46 AM



#76  
 1,2,3-Trichloropropane  
 Concen: 53.880 ug/l m  
 RT: 12.78 min Scan# 1847  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

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





#77

Bromobenzene

Concen: 50.153 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

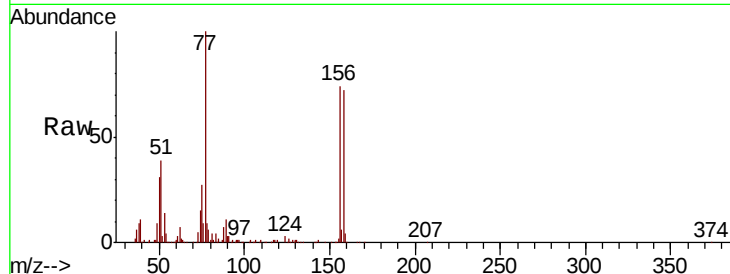
ClientSampleId :

VSTDCCC050

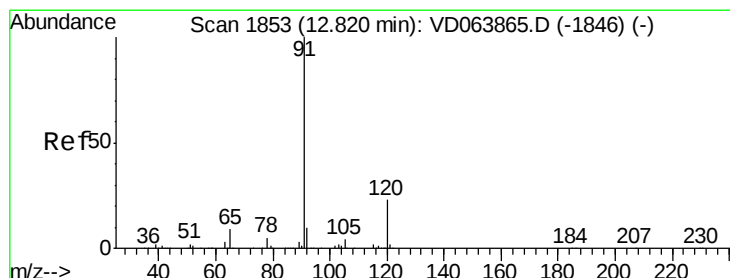
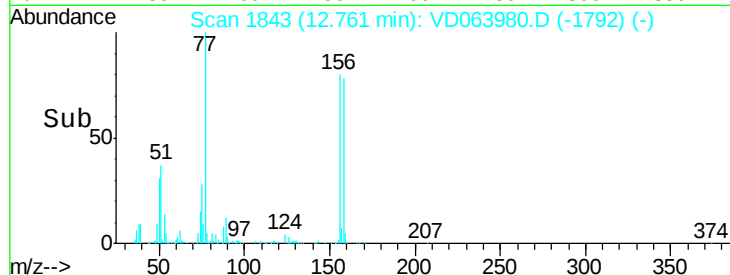
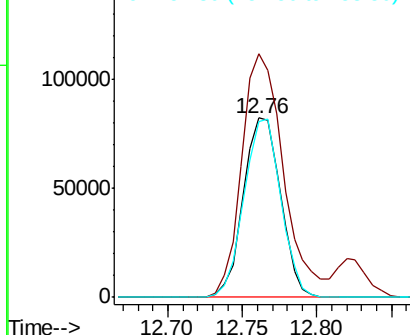
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 141983 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 152.2 | 80.3  | 241.0  |
| 158       | 98.7  | 47.4  | 142.2  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
150000 Ion 77.00 (76.70 to 77.70): VDC  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.724 ug/l

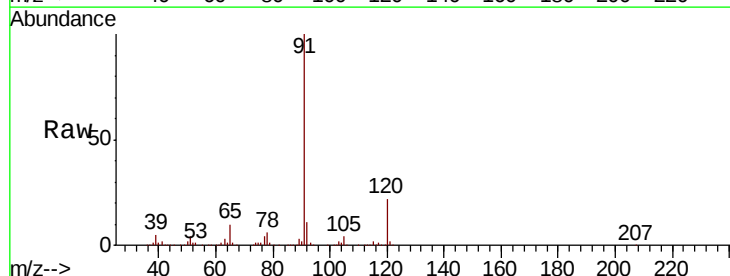
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

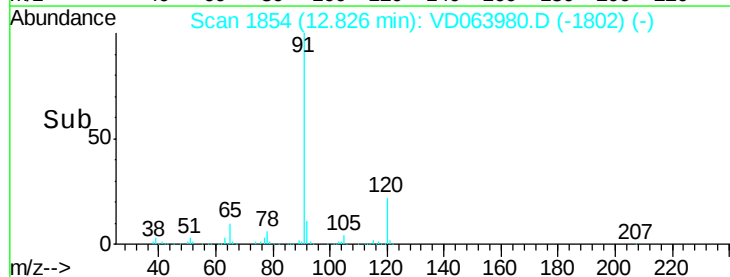
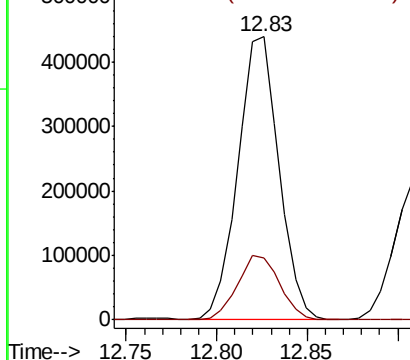
Lab File: VD063980.D

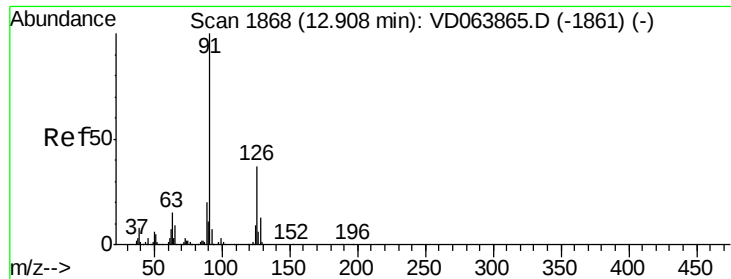
Acq: 16 Oct 2019 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 689881 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.5  | 12.0  | 36.0   |



Abundance Ion 91.00 (90.70 to 91.70): VDC  
500000 Ion 120.00 (119.70 to 120.70): V





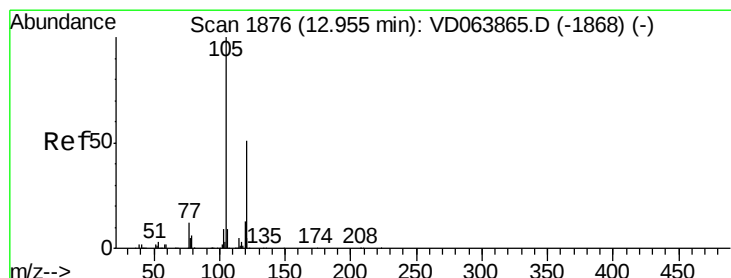
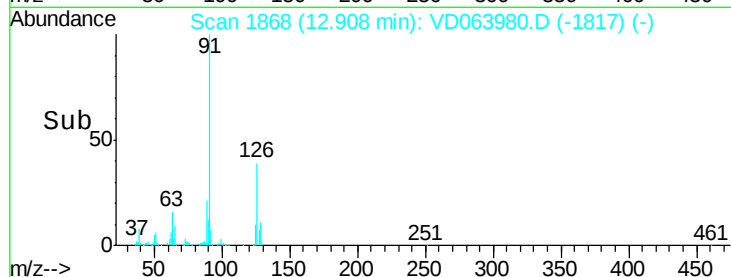
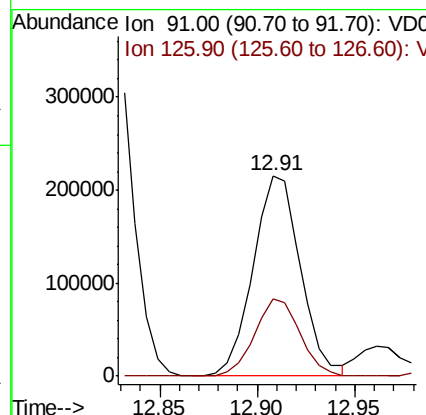
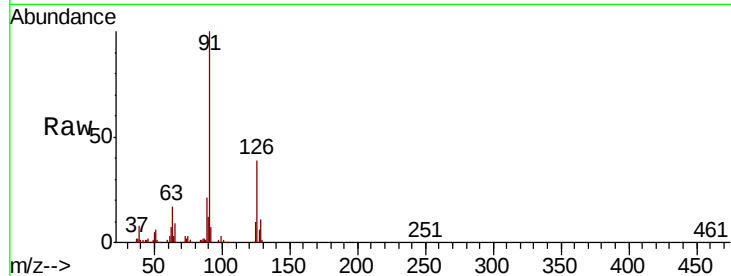
#79  
 2-Chlorotoluene  
 Concen: 49.121 ug/l  
 RT: 12.91 min Scan# 1868  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 361257  
 Ion Ratio Lower Upper  
 91 100  
 126 37.1 18.4 55.2

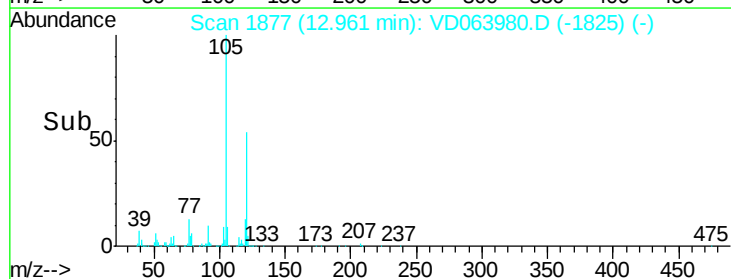
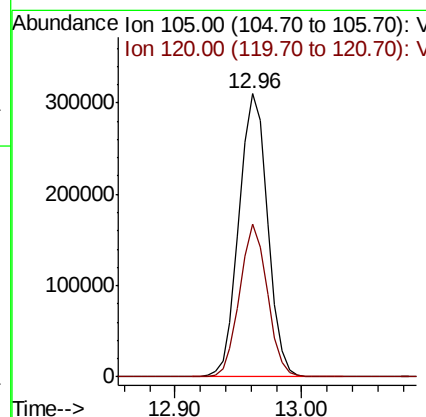
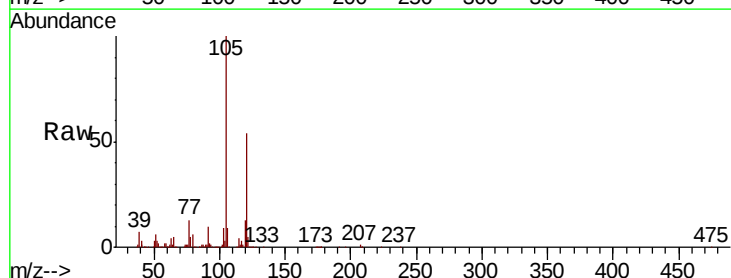
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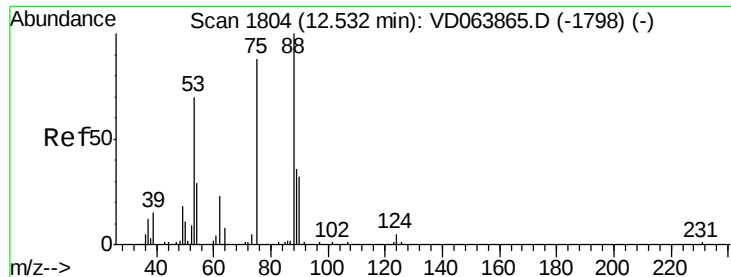
MMDadoda  
 10/18/2019 12:49:46 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.066 ug/l  
 RT: 12.96 min Scan# 1877  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Tgt Ion: 105 Resp: 484098  
 Ion Ratio Lower Upper  
 105 100  
 120 52.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.093 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

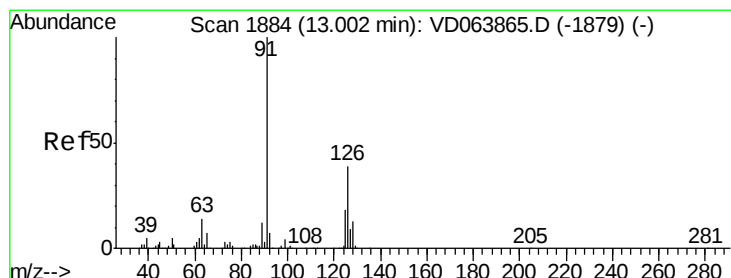
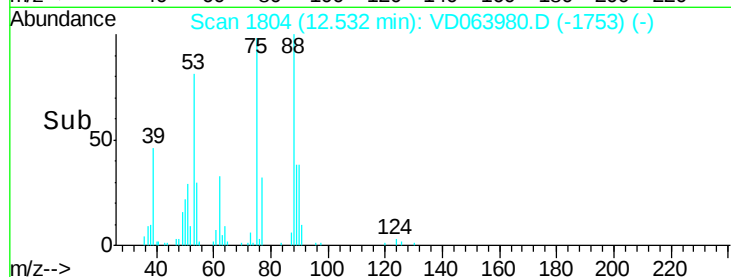
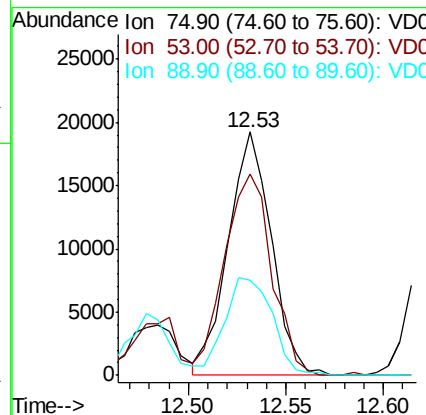
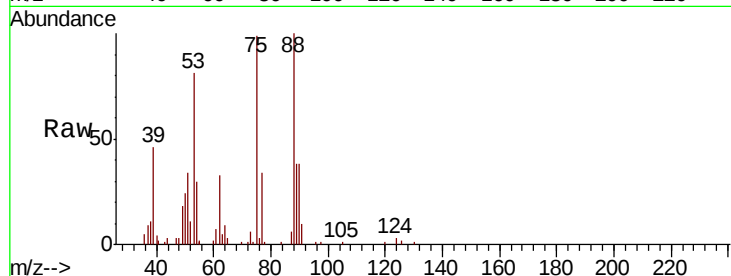
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 29488 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 90.3  | 75.0  | 112.6 |
| 89       | 43.5  | 38.2  | 57.4  |

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#82

4-Chlorotoluene

Concen: 49.648 ug/l

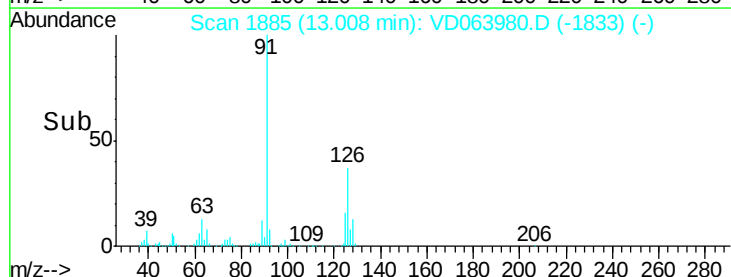
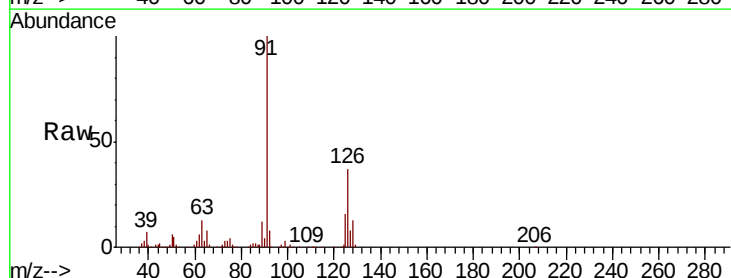
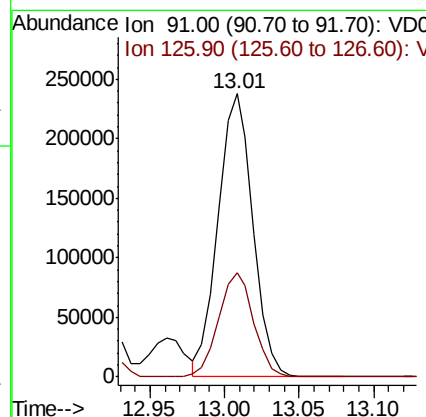
RT: 13.01 min Scan# 1885

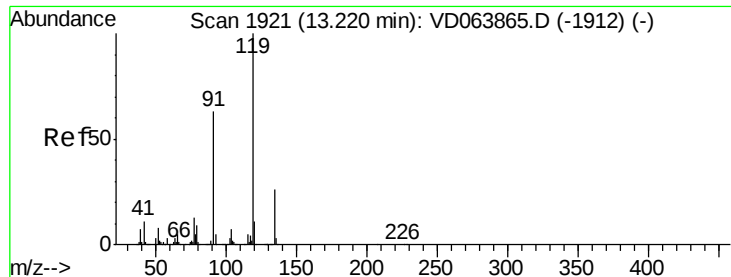
Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 387335 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 37.0  | 18.6  | 55.8   |





#83

tert-Butylbenzene

Concen: 50.249 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

Instrument :

MSVOA\_D

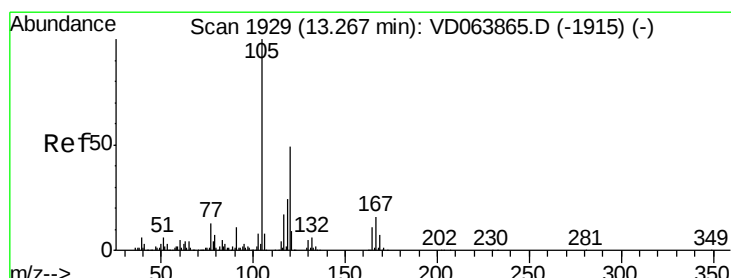
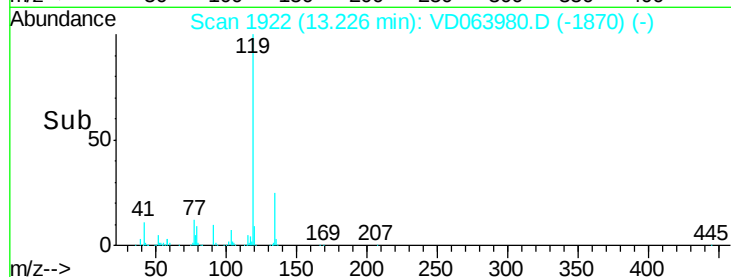
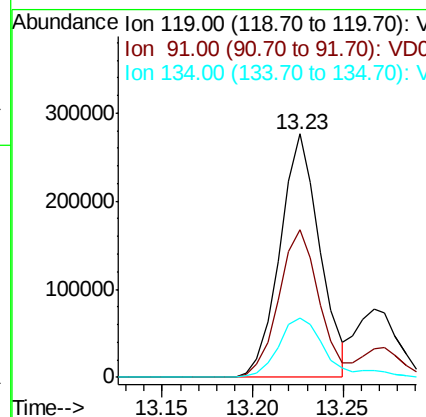
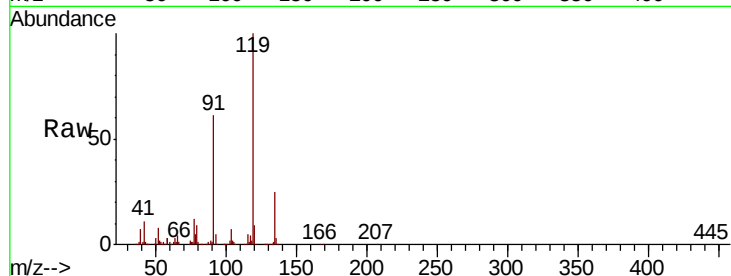
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 423947 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 62.3  | 30.0  | 90.0   |
| 134       | 28.9  | 13.0  | 38.9   |

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10/18/2019 12:49:46 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.634 ug/l

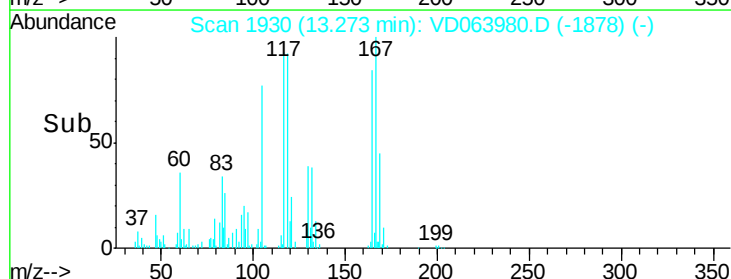
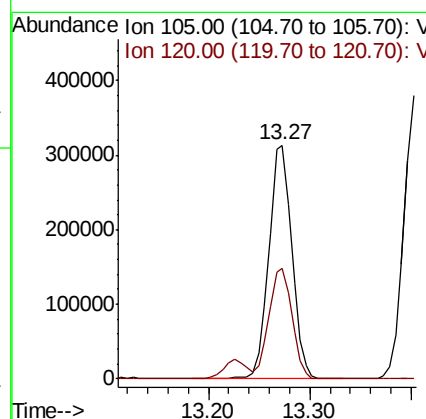
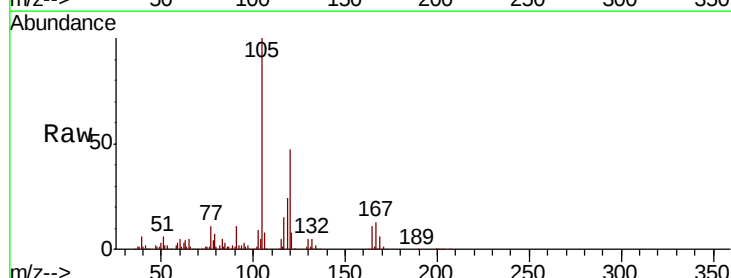
RT: 13.27 min Scan# 1930

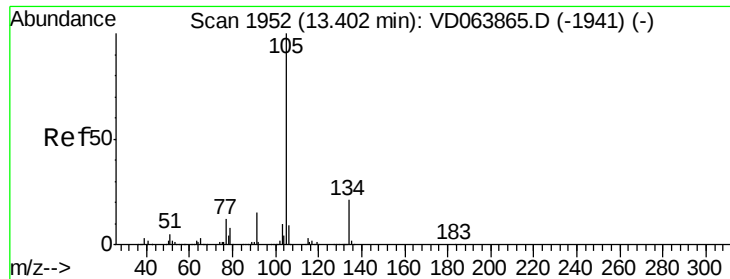
Delta R.T. 0.01 min

Lab File: VD063980.D

Acq: 16 Oct 2019 11:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 494853 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 47.6  | 23.8  | 71.5   |





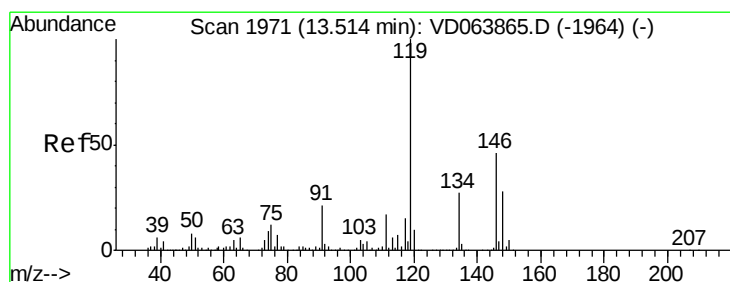
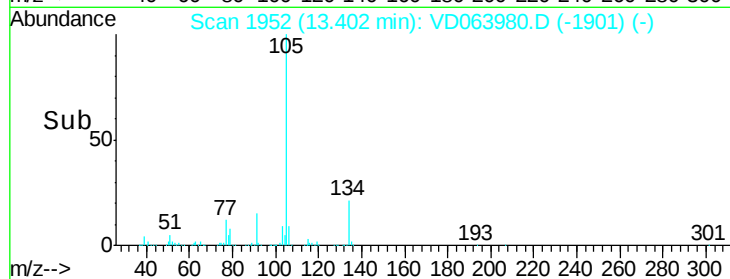
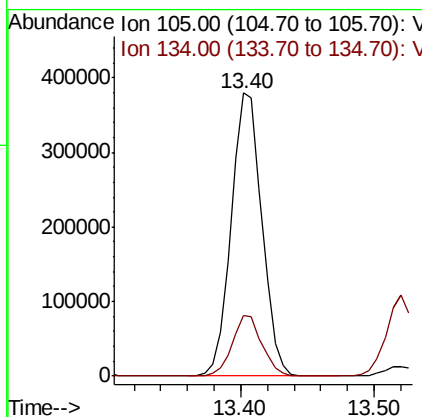
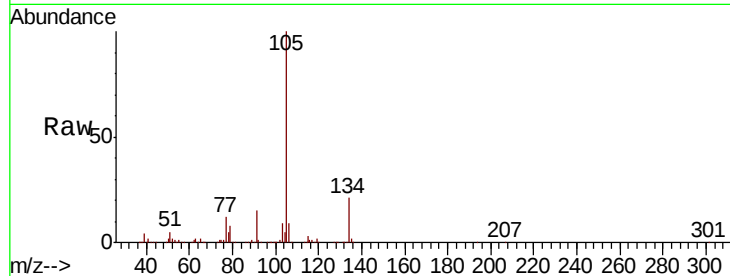
#85  
 sec-Butylbenzene  
 Concen: 53.235 ug/l  
 RT: 13.40 min Scan# 1952  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.8  | 10.6  | 31.8  |

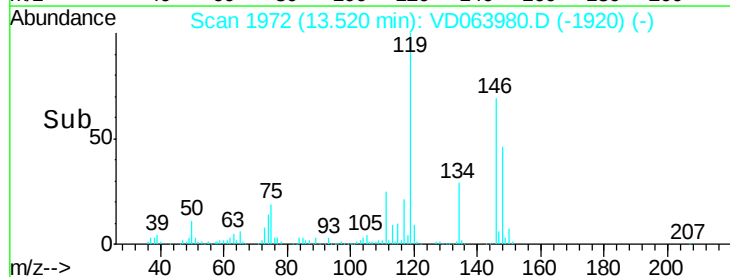
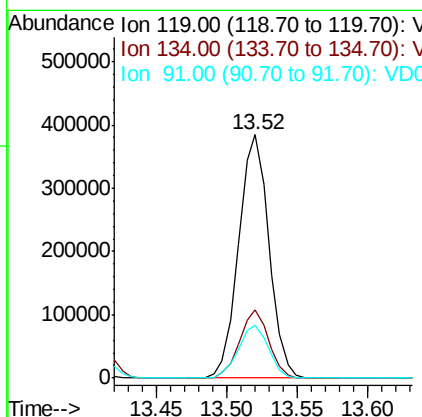
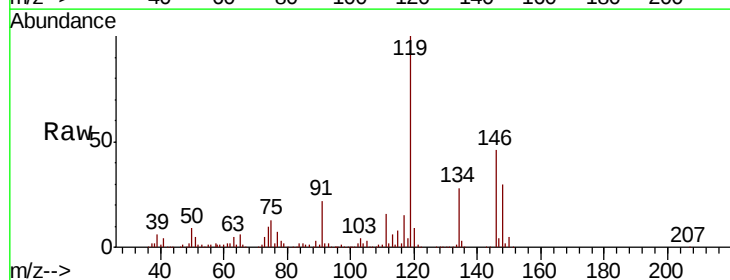
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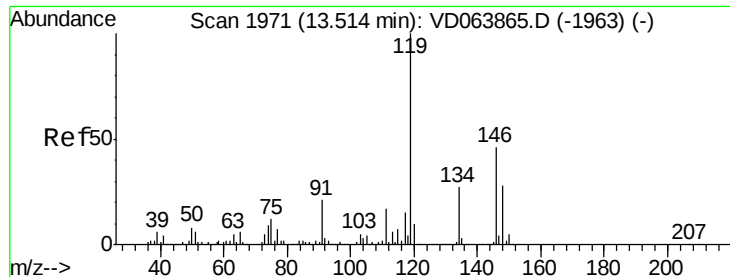
MMDadoda  
 10/18/2019 12:49:46 AM



#86  
 p-Isopropyltoluene  
 Concen: 53.447 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.1  | 13.9  | 41.6  |
| 91      | 21.6  | 11.2  | 33.5  |





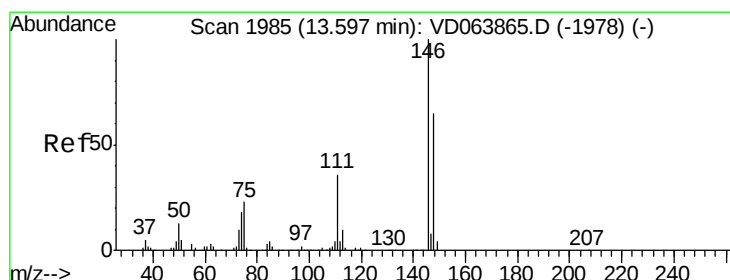
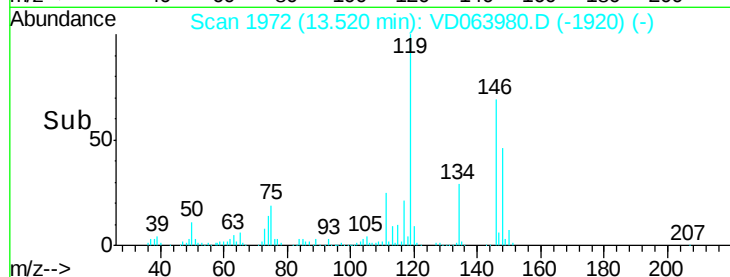
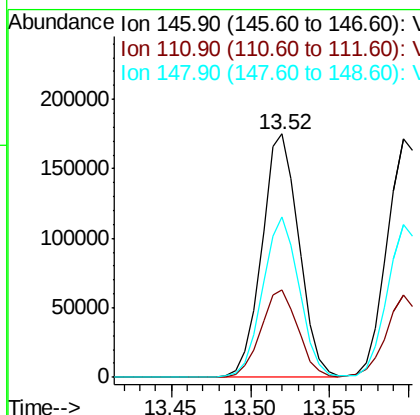
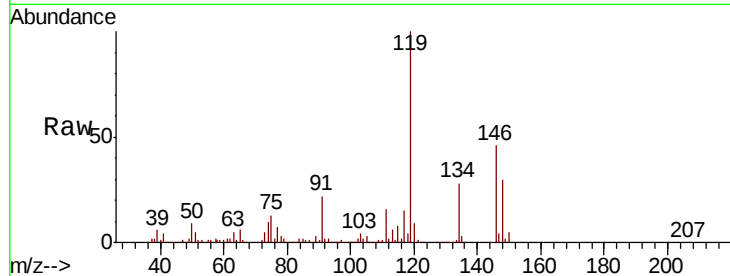
#87  
 1,3-Dichlorobenzene  
 Concen: 50.904 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.0  | 18.3  | 54.9  |
| 148     | 64.6  | 31.8  | 95.4  |

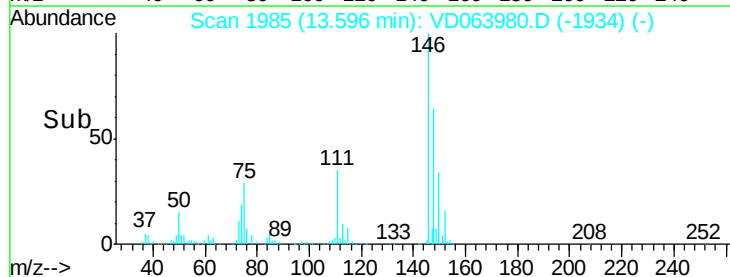
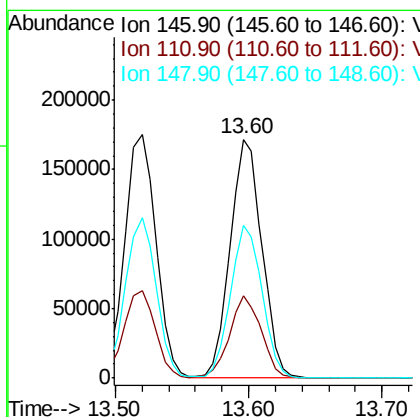
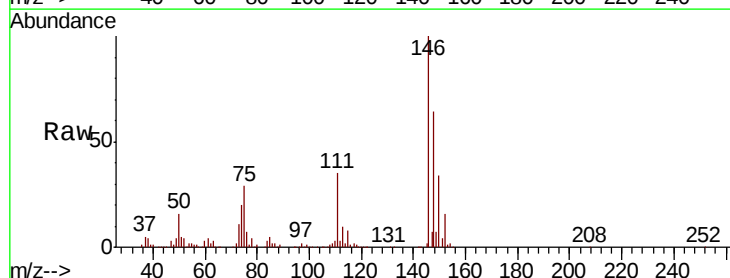
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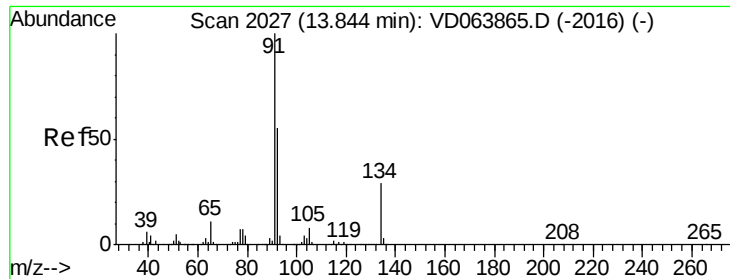
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 51.571 ug/l  
 RT: 13.60 min Scan# 1985  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.4  | 18.6  | 56.0  |
| 148     | 63.8  | 32.6  | 98.0  |





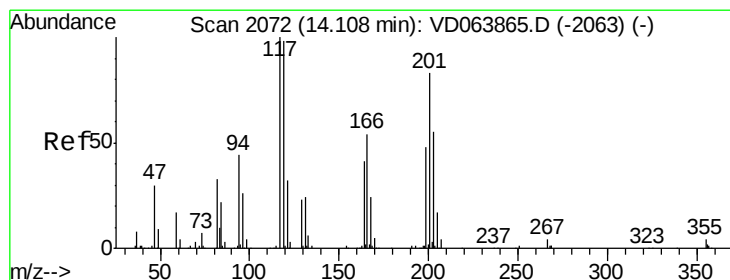
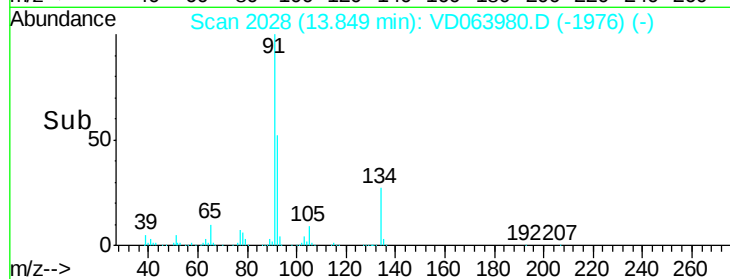
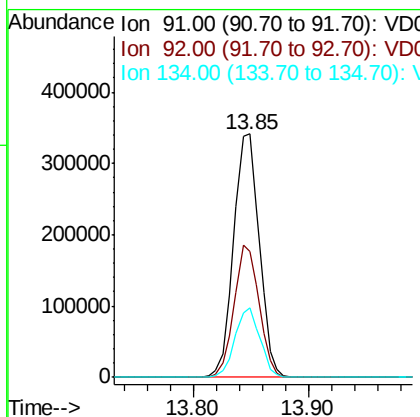
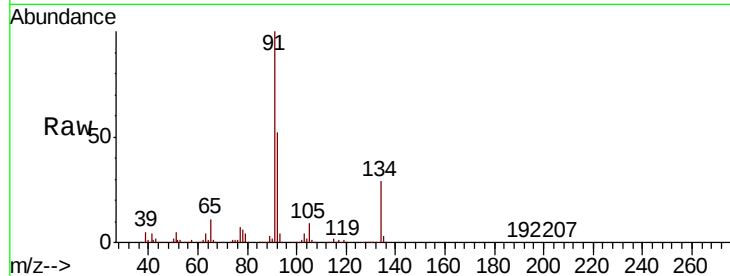
#89  
n-Butylbenzene  
Concen: 52.357 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.8  | 80.3  |
| 134     | 27.8  | 14.4  | 43.0  |

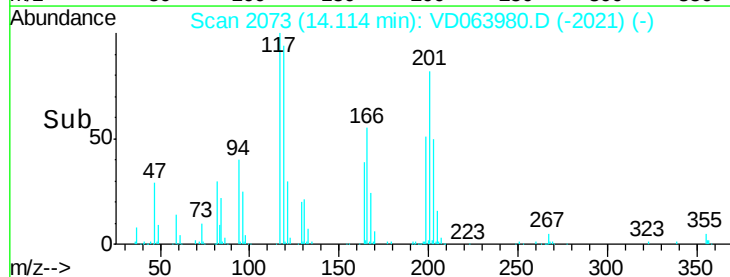
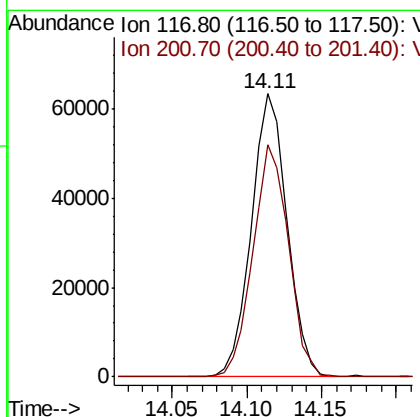
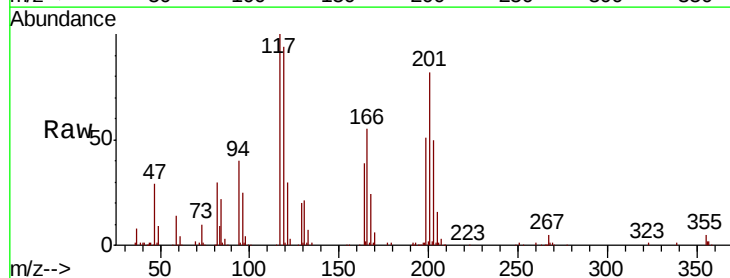
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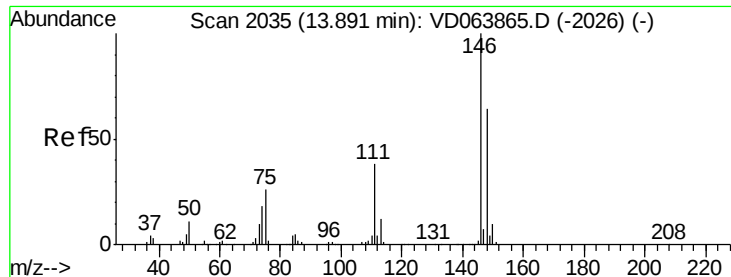
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#90  
Hexachloroethane  
Concen: 53.940 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.6  | 40.6  | 121.7 |





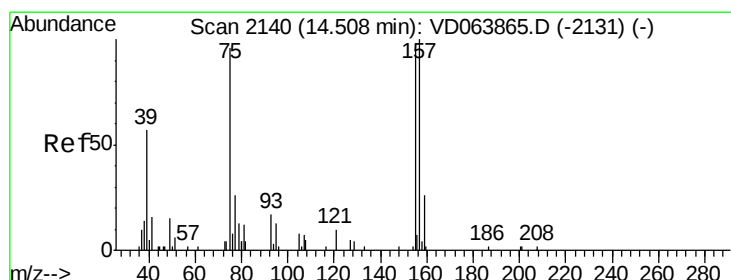
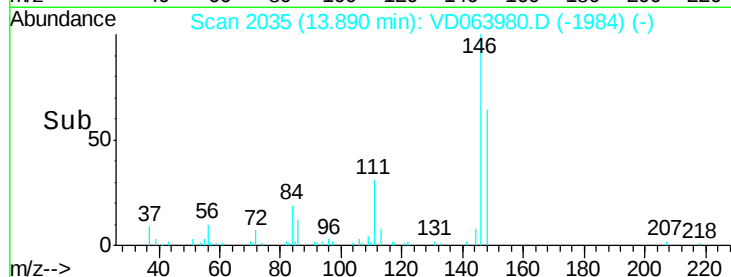
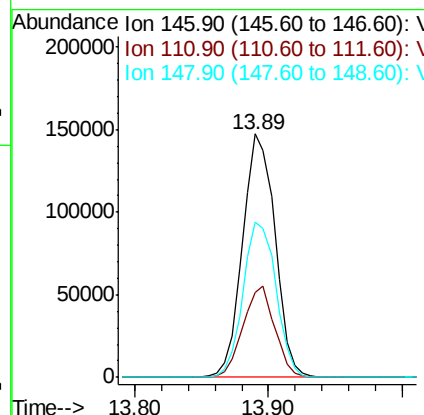
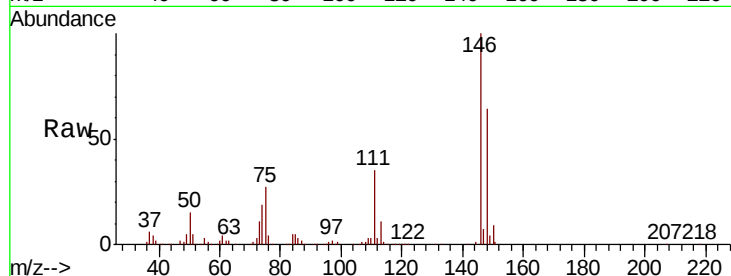
#91  
 1,2-Dichlorobenzene  
 Concen: 51.328 ug/l  
 RT: 13.89 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.6  | 55.6  |
| 148     | 64.7  | 31.6  | 95.0  |

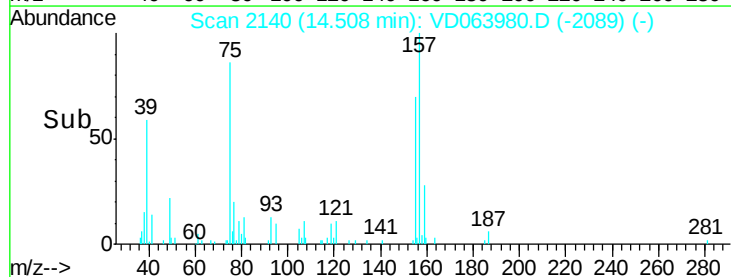
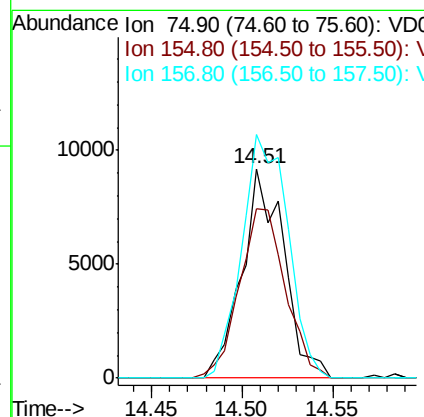
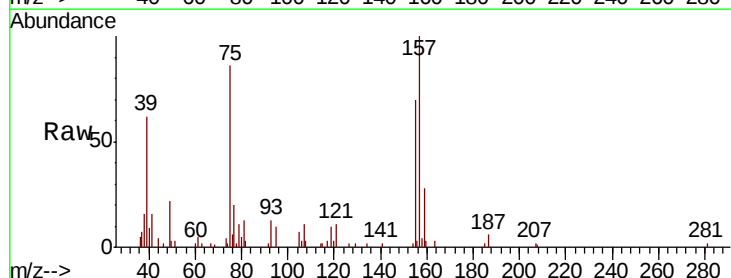
Manual Integrations  
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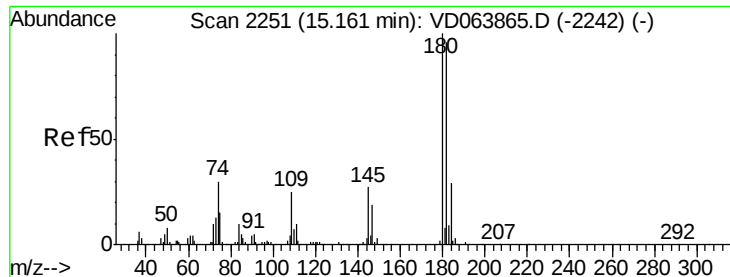
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.337 ug/l  
 RT: 14.51 min Scan# 2140  
 Delta R.T. 0.00 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.3  | 43.9  | 131.6 |
| 157     | 127.0 | 56.0  | 167.9 |





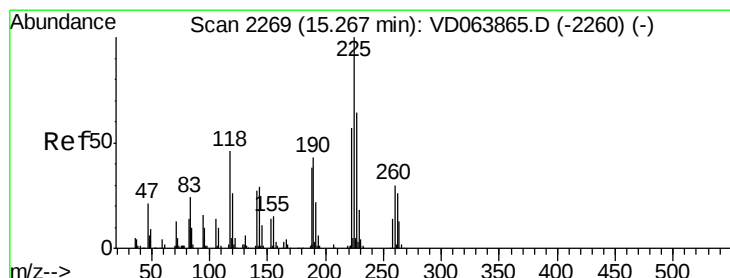
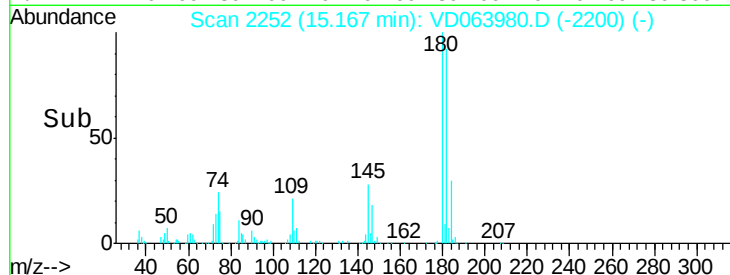
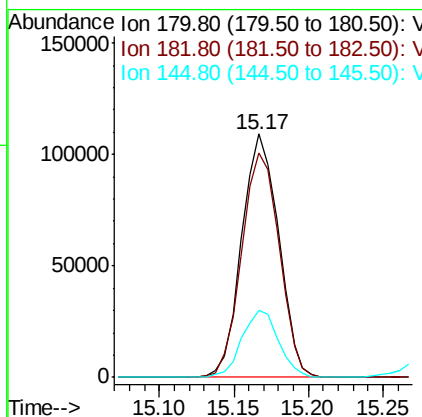
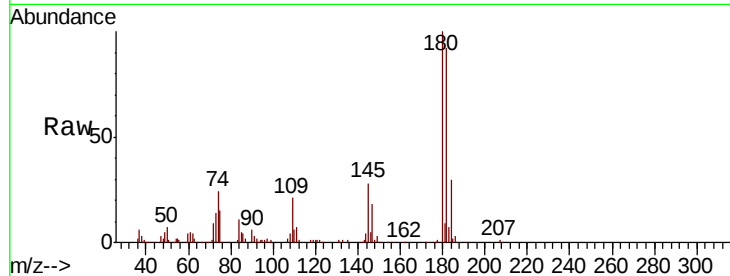
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.252 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 94.2  | 47.4       | 142.3 |
| 145     | 27.4  | 13.9       | 41.7  |

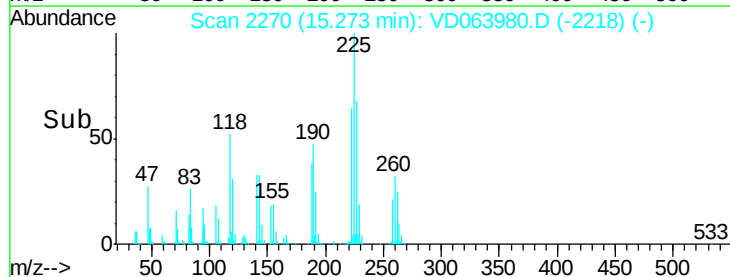
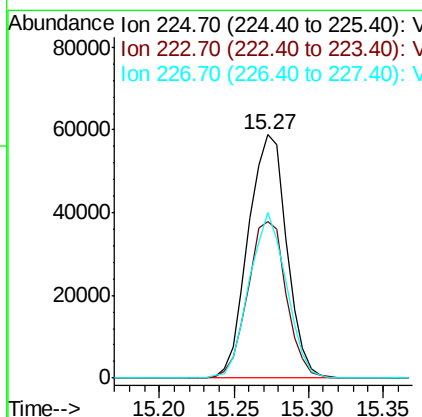
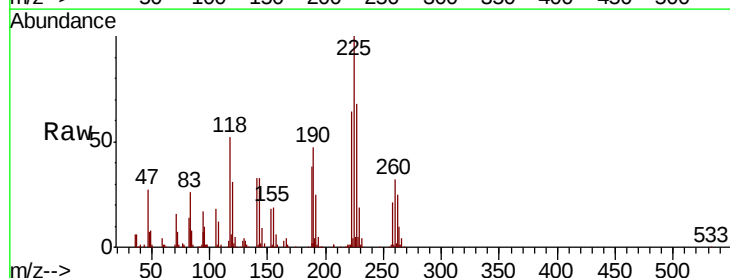
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#94  
 Hexachlorobutadiene  
 Concen: 51.249 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.01 min  
 Lab File: VD063980.D  
 Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 225     | 100   |            |       |
| 223     | 64.2  | 29.5       | 88.6  |
| 227     | 65.4  | 30.8       | 92.4  |





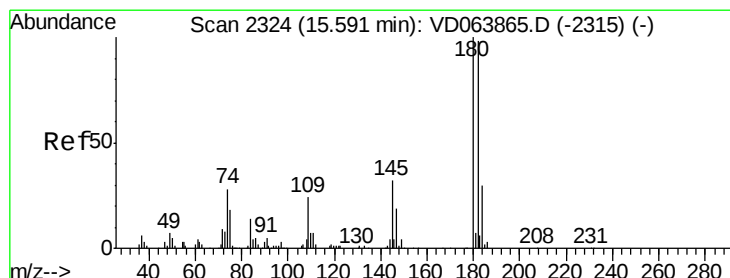
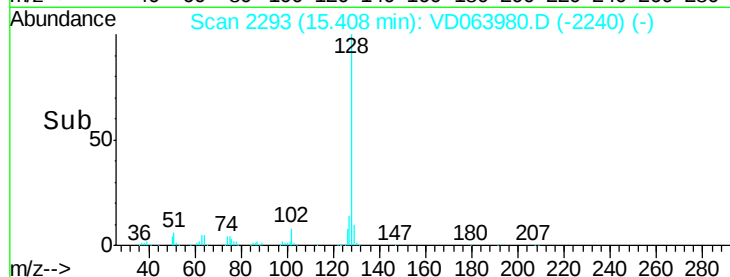
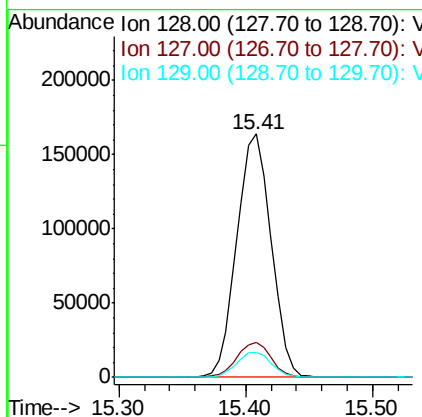
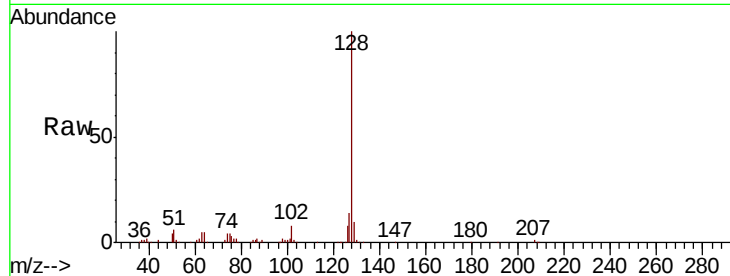
#95  
Naphthalene  
Concen: 49.281 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.3  | 10.6  | 16.0  |
| 129     | 10.5  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 49.739 ug/l  
RT: 15.60 min Scan# 2326  
Delta R.T. 0.01 min  
Lab File: VD063980.D  
Acq: 16 Oct 2019 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 47.0  | 141.0 |
| 145     | 31.5  | 15.3  | 45.9  |

