

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD110119\  
 Data File : VD064146.D  
 Acq On : 01 Nov 2019 11:45  
 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  
 11/4/2019 11:50:53 AM

Quant Time: Nov 01 17:18:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 08:00:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 223388   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 315022   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 323769   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 183544   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 86112    | 48.47 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.94%  |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 99822    | 51.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.00% |      |
| 50) Toluene-d8            | 10.34  | 98  | 417515   | 53.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.74% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 139256   | 54.19 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.38% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 107000 | 46.908  | ug/l   | 96     |
| 3) Chloromethane              | 2.21 | 50  | 173892 | 45.690  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.35 | 62  | 196254 | 47.551  | ug/l   | 98     |
| 5) Bromomethane               | 2.77 | 94  | 125676 | 46.725  | ug/l   | 98     |
| 6) Chloroethane               | 2.92 | 64  | 126246 | 49.248  | ug/l   | 91     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 280198 | 49.317  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 46384  | 46.968  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 101864 | 49.751  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.29 | 142 | 125766 | 49.578  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.25 | 59  | 22332  | 219.233 | ug/l # | 88     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 91899  | 47.425  | ug/l   | 89     |
| 13) Acrolein                  | 3.92 | 56  | 24100  | 212.746 | ug/l   | 98     |
| 14) Allyl chloride            | 4.71 | 41  | 114594 | 50.525  | ug/l   | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 86914  | 238.255 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 100500 | 297.306 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.40 | 76  | 294198 | 49.404  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.71 | 43  | 42213  | 46.947  | ug/l # | 77     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 184408 | 46.898  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.96 | 84  | 108736 | 50.386  | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 108137 | 49.712  | ug/l   | 93     |
| 22) Diisopropyl ether         | 6.36 | 45  | 248778 | 49.528  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.31 | 43  | 678184 | 246.313 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 167246 | 49.307  | ug/l   | 97     |
| 25) 2-Butanone                | 7.22 | 43  | 116408 | 249.096 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 157007 | 48.770  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 120485 | 49.500  | ug/l   | 97     |
| 28) Bromochloromethane        | 7.54 | 49  | 66233  | 50.091  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 64158  | 235.237 | ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 196539 | 50.637  | ug/l   | 100    |
| 31) Cyclohexane               | 7.98 | 56  | 152699 | 46.209  | ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 181909 | 50.349  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 148807 | 50.411  | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.31 | 43  | 47269  | 52.025  | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 171007 | 53.097  | ug/l   | 98     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2019 11:50:53 AM

Quant Time: Nov 01 17:18:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 08:00:10 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 193338   | 53.356   | ug/l   | 93       |
| 40) Benzene                    | 8.36  | 78   | 424971   | 52.794   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.54  | 41   | 33823m   | 64.506   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 110266   | 51.858   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 92705    | 50.487   | ug/l   | 97       |
| 44) Trichloroethene            | 9.11  | 130  | 129045   | 52.893   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 100481   | 53.863   | ug/l   | 97       |
| 46) Dibromomethane             | 9.47  | 93   | 59204    | 52.695   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.66  | 83   | 148269   | 52.311   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 44588    | 52.510   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 15394    | 1196.987 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 251273   | 251.367  | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 304366   | 53.954   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 140757   | 53.200   | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 167286   | 53.741   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 82407    | 51.733   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 90702    | 47.038   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 132010   | 50.110   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 180855   | 259.153  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.99 | 43   | 187344   | 239.475  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 109788   | 50.779   | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 81939    | 51.431   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 119656   | 51.443   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 342666   | 51.222   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 127603   | 50.976   | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.75 | 91   | 612397   | 51.467   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 494613   | 103.345  | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 228405   | 52.292   | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 397894   | 52.818   | ug/l   | 99       |
| 71) Bromoform                  | 12.36 | 173  | 67569    | 50.542   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.48 | 105  | 639240   | 50.119   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.30 | 43   | 97039    | 45.797   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 90428    | 44.981   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 49493m   | 40.130   | ug/l   |          |
| 77) Bromobenzene               | 12.77 | 156  | 153100   | 49.716   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 754158   | 50.456   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 405529   | 50.614   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 543772   | 50.941   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 29287    | 48.497   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 426922   | 49.867   | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 481229   | 50.193   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 563843   | 52.581   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 675536   | 51.308   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 653517   | 52.827   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 319401   | 51.757   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 309569   | 50.887   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 593458   | 52.010   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.11 | 117  | 116338   | 50.230   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 271775   | 51.172   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 13856    | 47.192   | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD110119\  
Data File : VD064146.D  
Acq On : 01 Nov 2019 11:45  
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

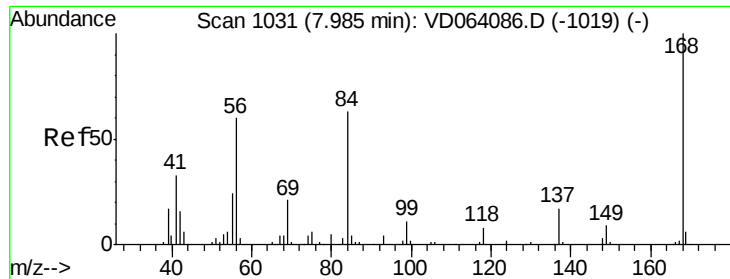
MMDadoda  
11/4/2019 11:50:53 AM

Quant Time: Nov 01 17:18:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D102919S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 08:00:10 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 194933   | 51.061 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 117759   | 52.777 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 308673   | 49.577 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 163896   | 49.564 | 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: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 223388

Ion Ratio Lower Upper

168 100

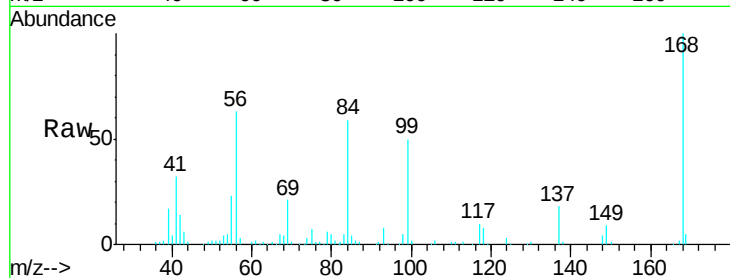
99 49.7 37.6 56.4

Manual Integrations

APPROVED

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11/4/2019 11:50:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

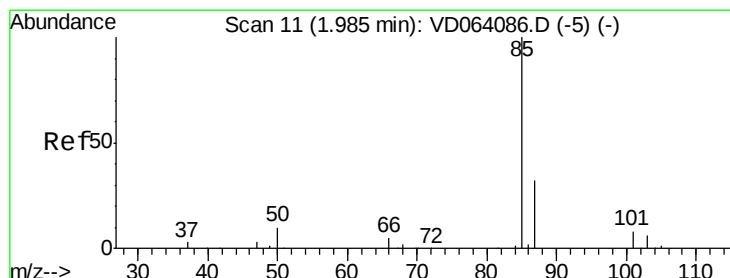
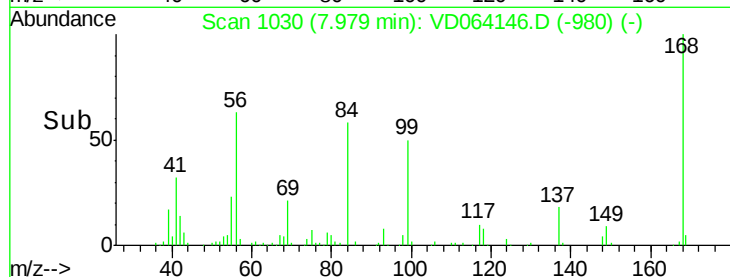
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.908 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064146.D

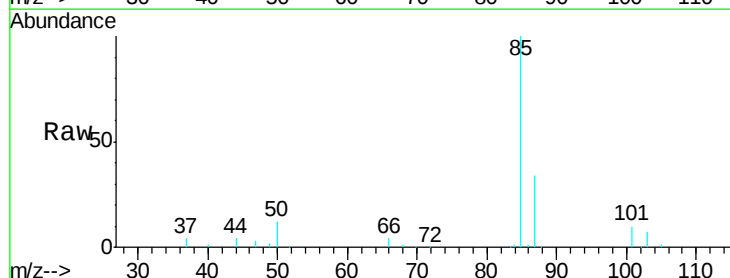
Acq: 01 Nov 2019 11:45

Tgt Ion: 85 Resp: 107000

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

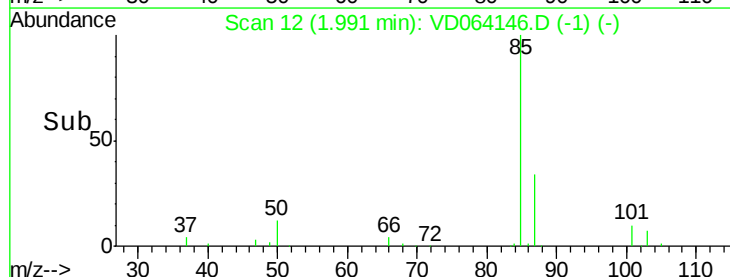
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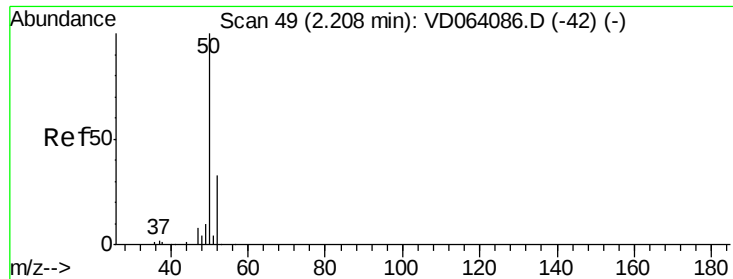
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.690 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 173892

Ion Ratio Lower Upper

50 100

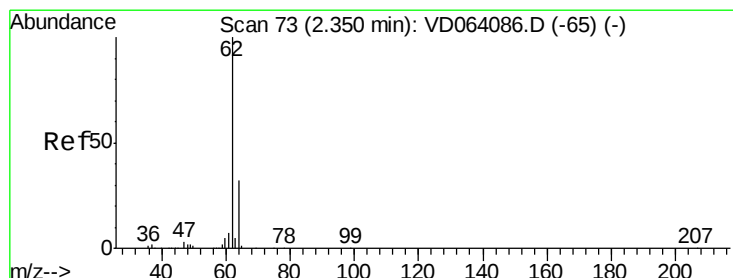
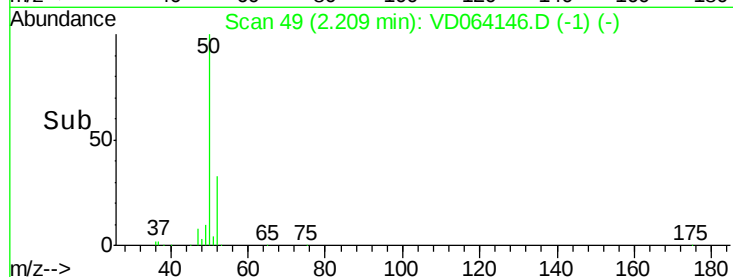
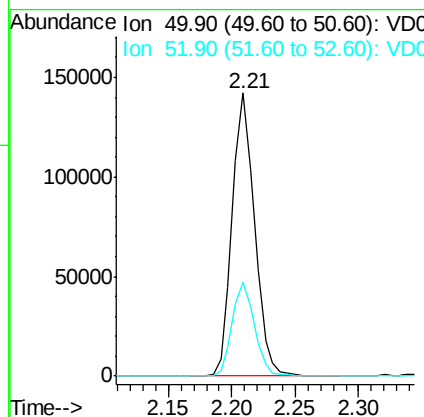
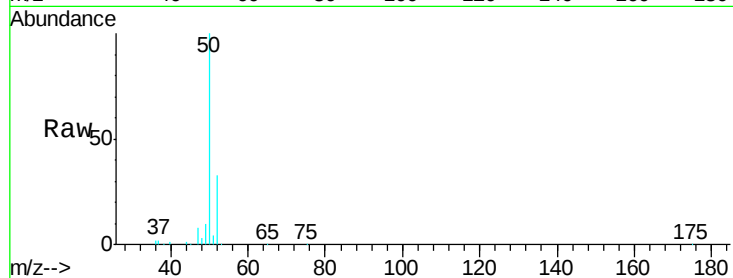
52 33.3 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/4/2019 11:50:53 AM



#4

Vinyl Chloride

Concen: 47.551 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064146.D

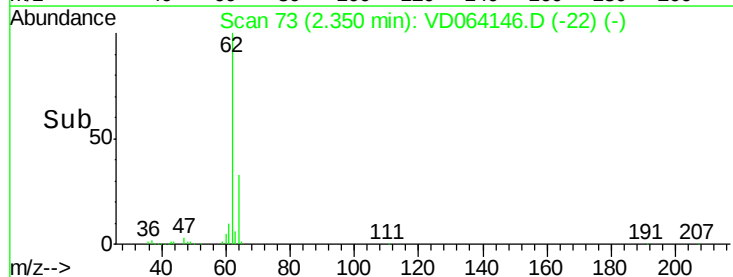
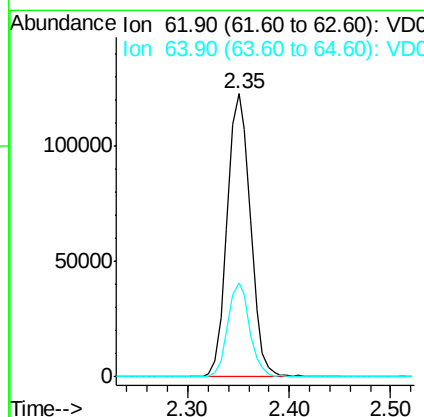
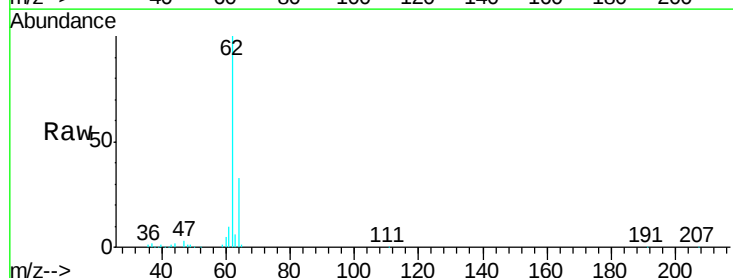
Acq: 01 Nov 2019 11:45

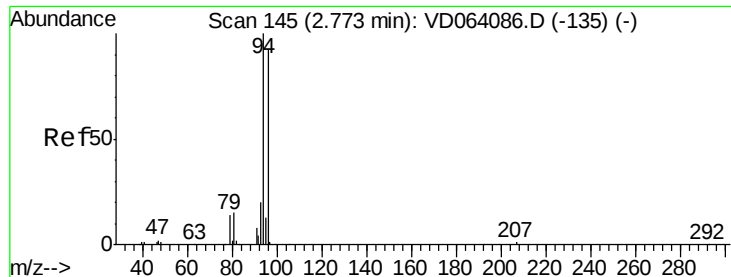
Tgt Ion: 62 Resp: 196254

Ion Ratio Lower Upper

62 100

64 33.2 25.6 38.4





#5

Bromomethane

Concen: 46.725 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 125676

Ion Ratio Lower Upper

94 100

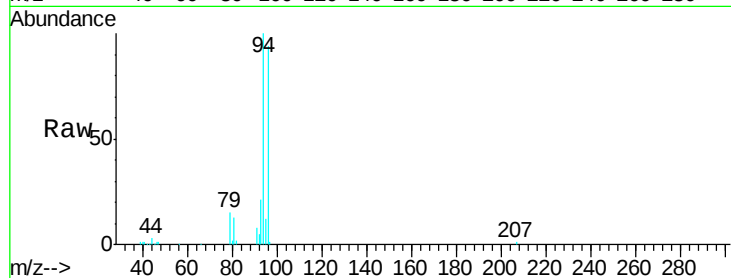
96 94.3 73.9 110.9

Manual Integrations

APPROVED

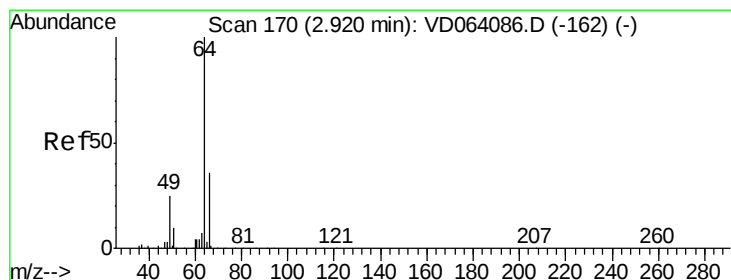
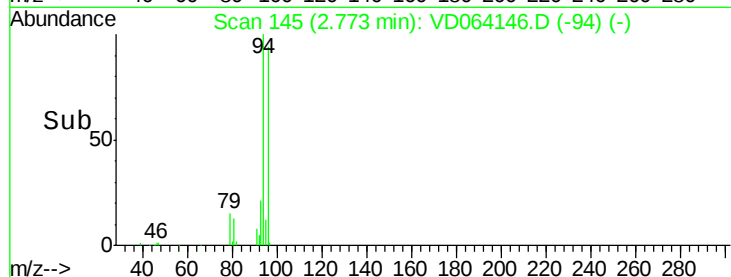
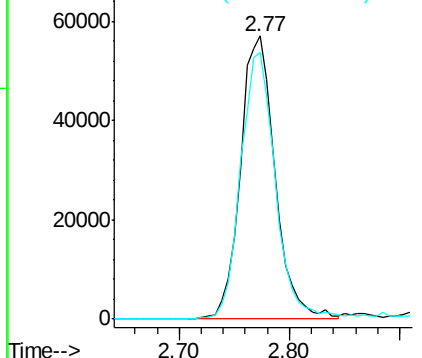
MMDadoda

11/4/2019 11:50:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.248 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064146.D

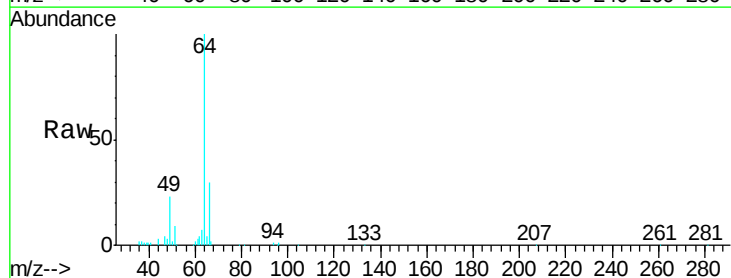
Acq: 01 Nov 2019 11:45

Tgt Ion: 64 Resp: 126246

Ion Ratio Lower Upper

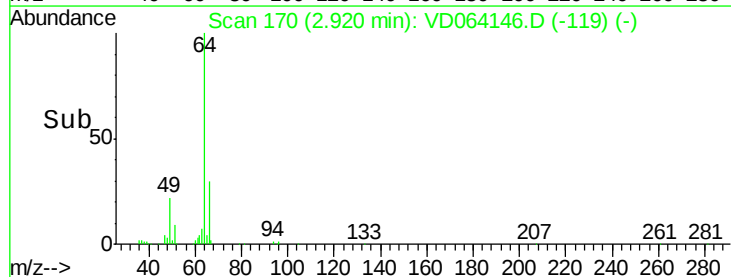
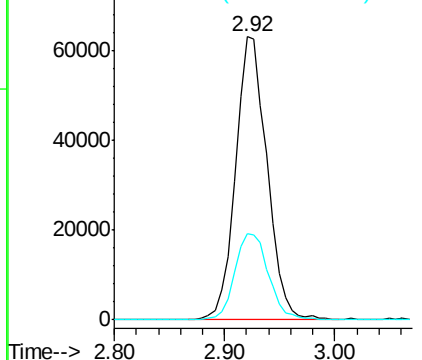
64 100

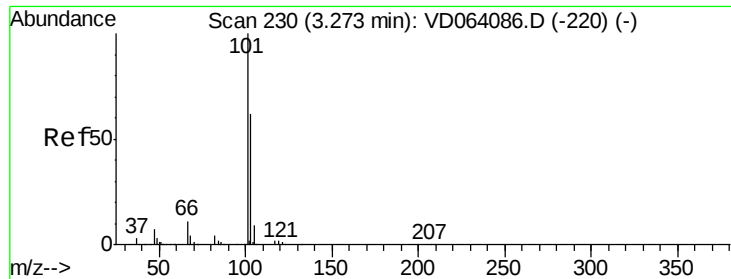
66 30.4 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

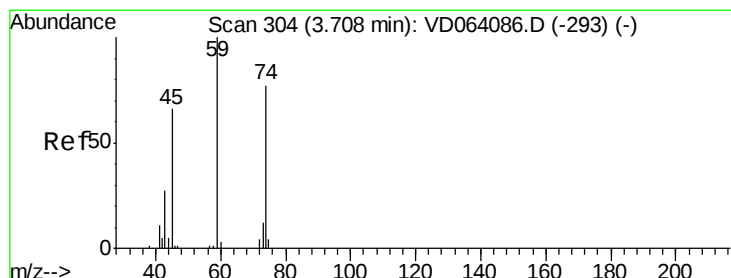
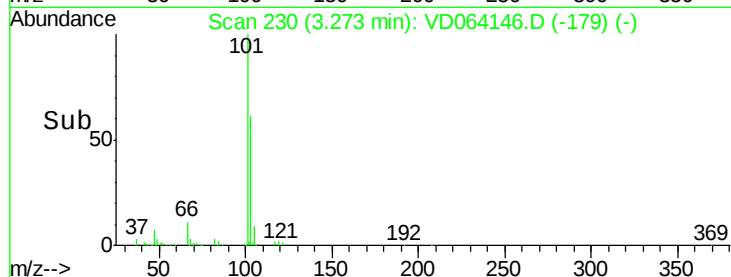
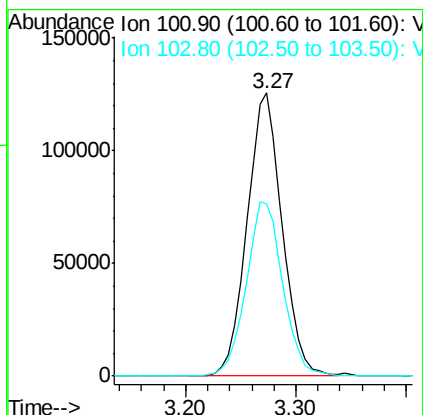
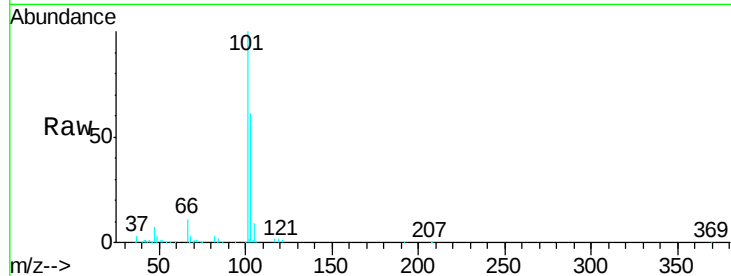
Trichlorofluoromethane  
 Concen: 49.317 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 280198 |       |       |
| 103     | 60.9  | 49.6   | 74.4  |       |

Manual Integrations  
 APPROVED

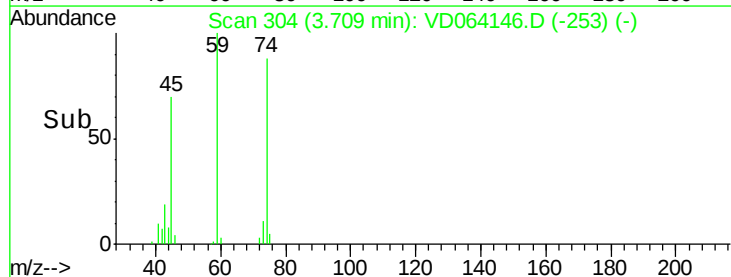
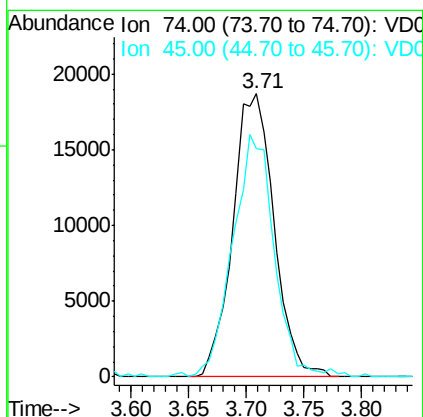
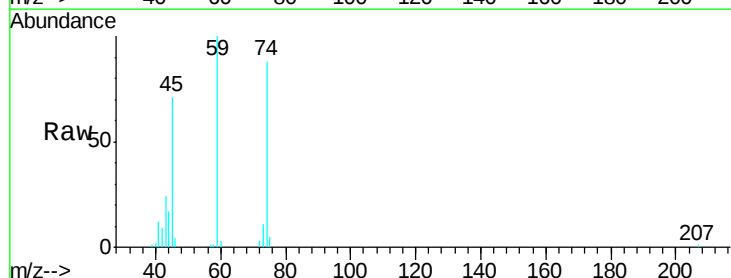
MMDadoda  
 11/4/2019 11:50:53 AM

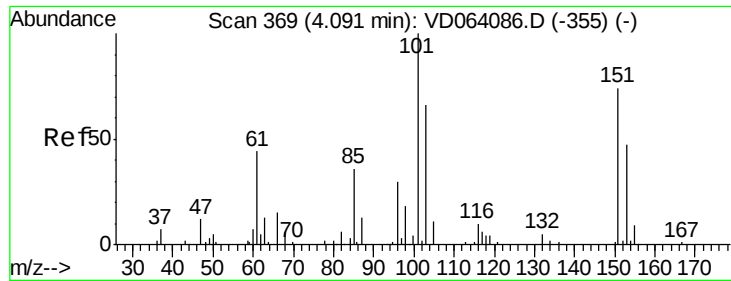


#8

Diethyl Ether  
 Concen: 46.968 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 46384 |       |       |
| 45      | 85.6  | 44.1  | 132.3 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.751 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

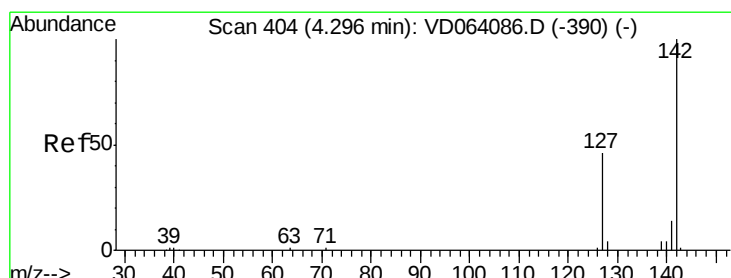
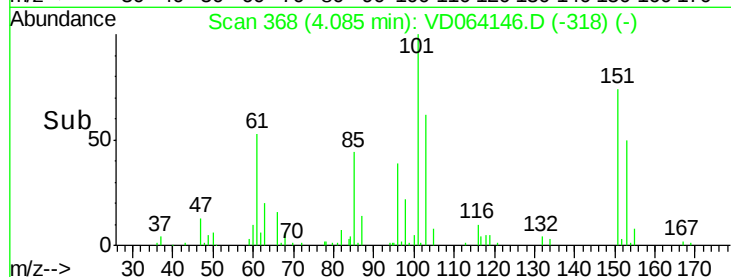
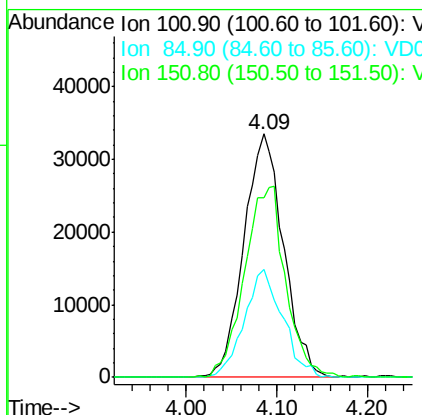
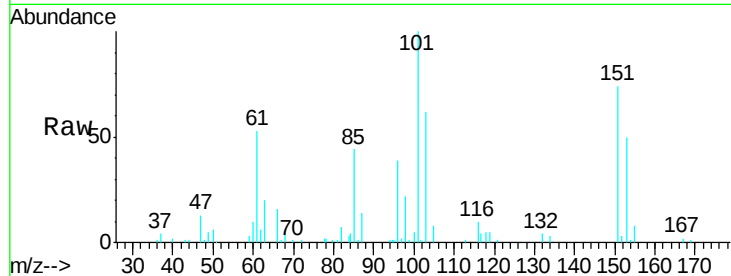
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 101864 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.8  | 35.3  | 52.9   |
| 151       | 81.4  | 67.0  | 100.6  |

Manual Integrations  
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MMDadoda  
11/4/2019 11:50:53 AM



#10

Methyl Iodide

Concen: 49.578 ug/l

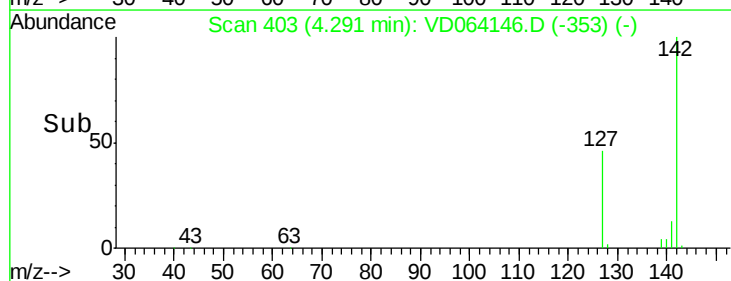
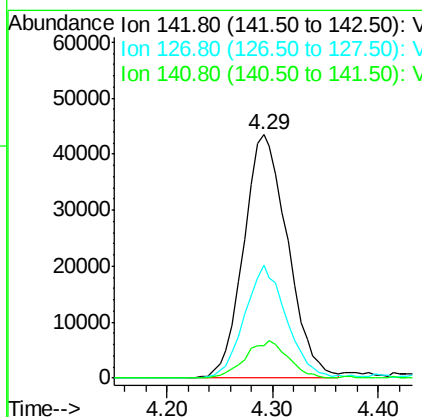
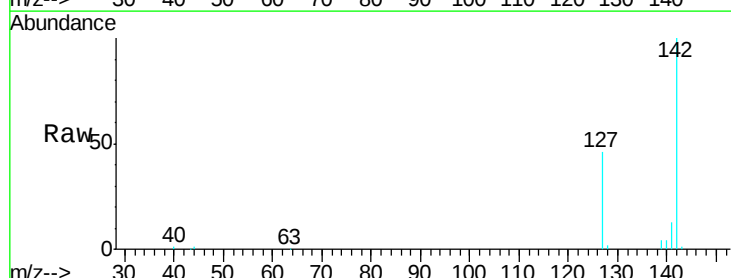
RT: 4.29 min Scan# 403

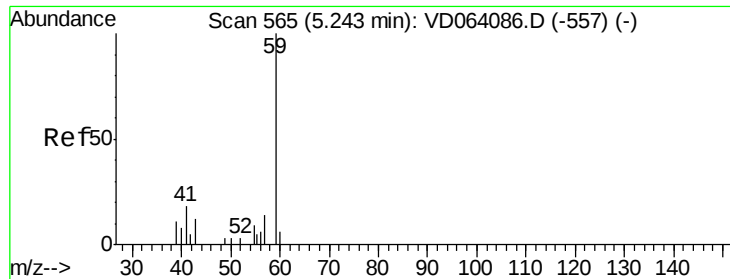
Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 125766 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 44.3  | 35.1  | 52.7   |
| 141       | 14.9  | 11.6  | 17.4   |





#11

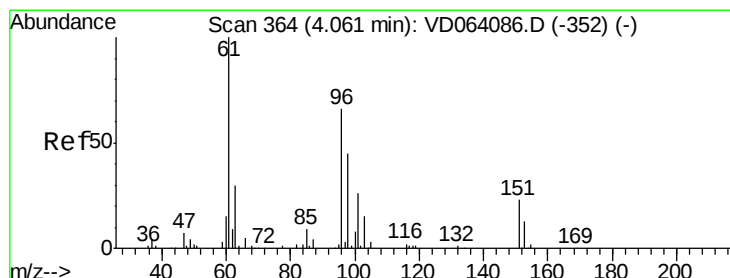
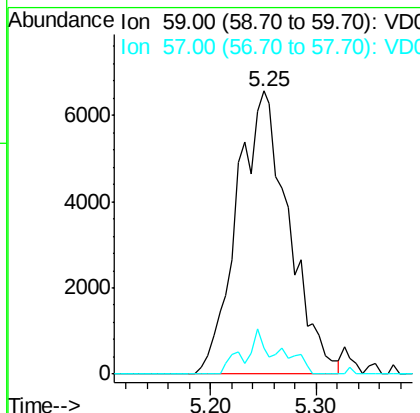
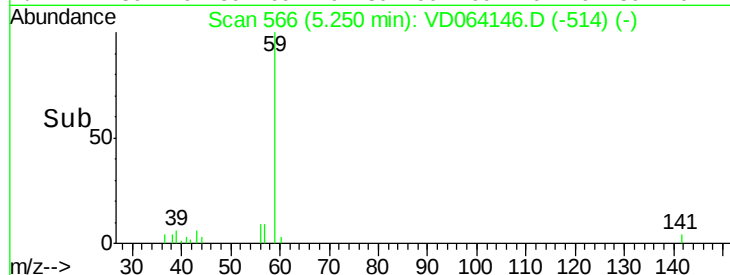
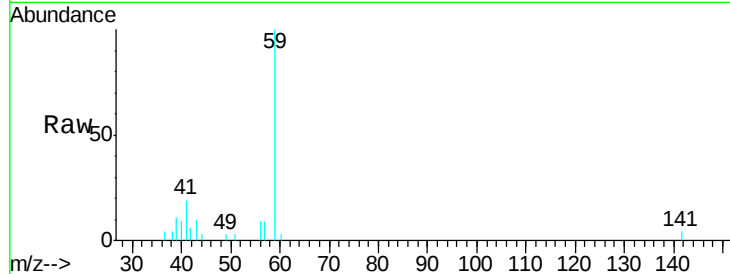
Tert butyl alcohol  
Concen: 219.233 ug/l  
RT: 5.25 min Scan# 566  
Delta R.T. 0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 6.3   | 8.7   | 13.1# |

Manual Integrations  
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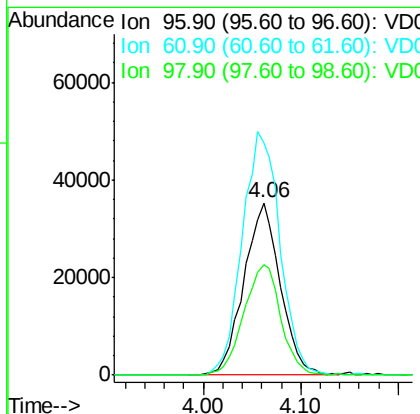
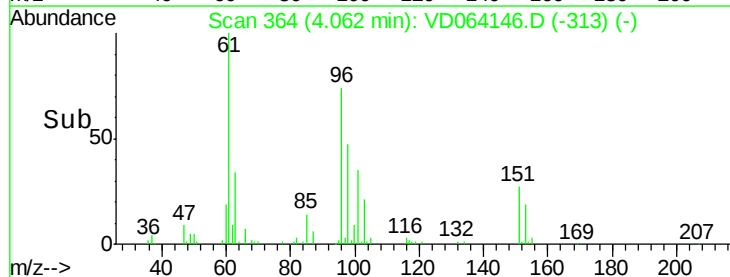
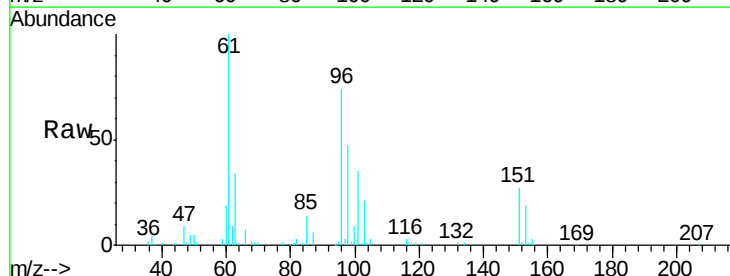
MMDadoda  
11/4/2019 11:50:53 AM

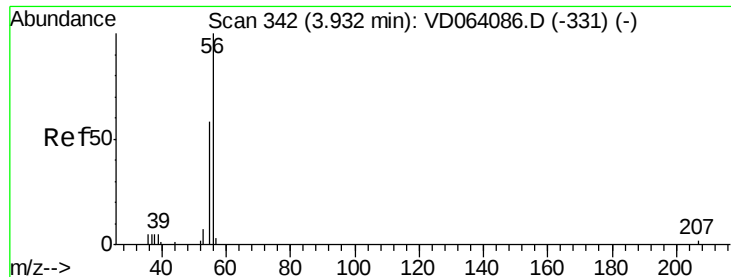


#12

1,1-Dichloroethene  
Concen: 47.425 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 134.9 | 121.8 | 182.6 |
| 98      | 63.9  | 55.4  | 83.0  |





#13

Acrolein

Concen: 212.746 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 24100

Ion Ratio Lower Upper

56 100

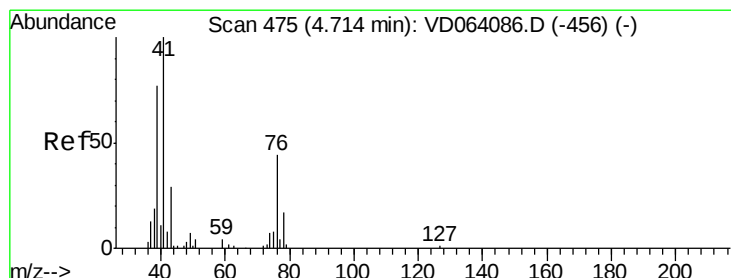
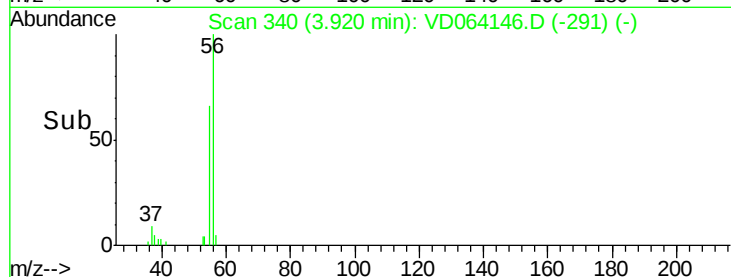
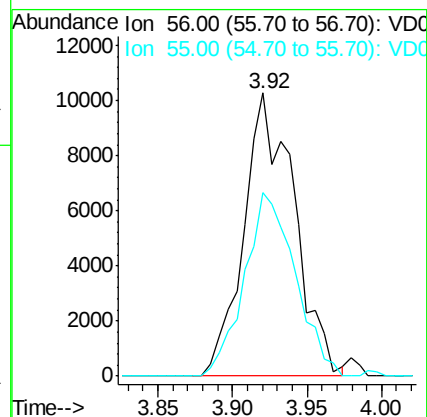
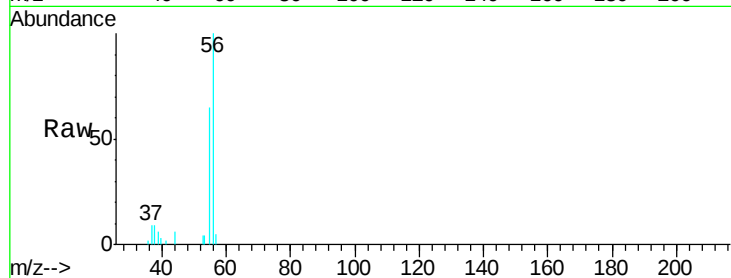
55 65.2 53.8 80.6

Manual Integrations

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MMDadoda

11/4/2019 11:50:53 AM



#14

Allyl chloride

Concen: 50.525 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

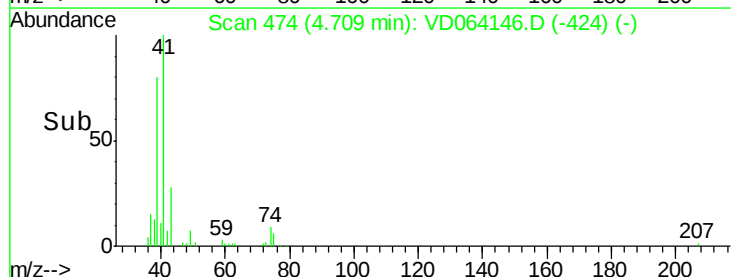
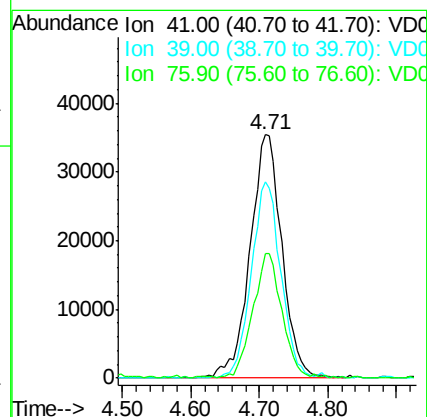
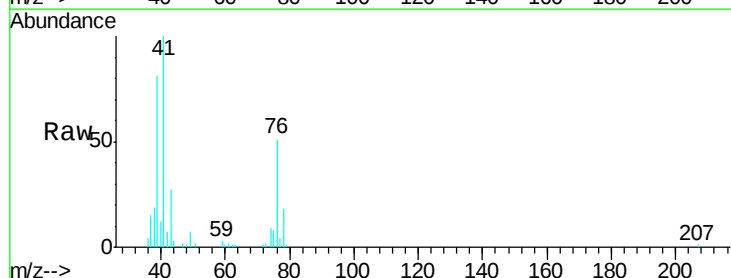
Tgt Ion: 41 Resp: 114594

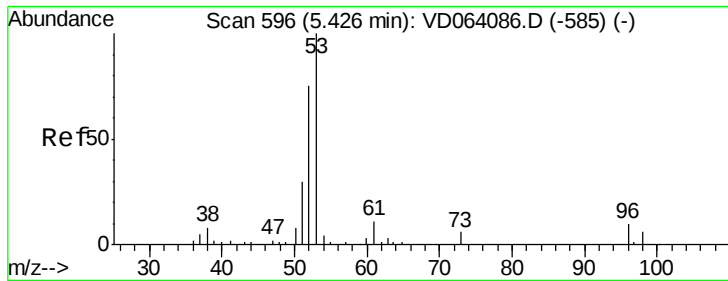
Ion Ratio Lower Upper

41 100

39 74.7 61.5 92.3

76 46.8 36.2 54.4





#15

Acrylonitrile

Concen: 238.255 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

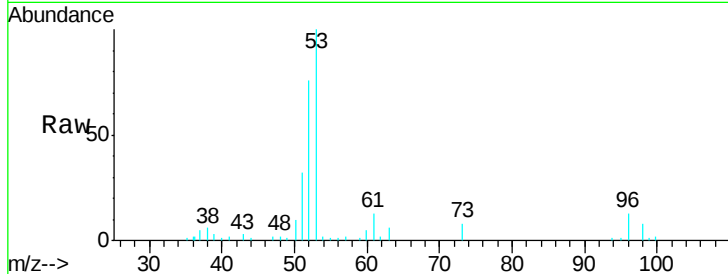
ClientSampleId :

VSTDCCC050

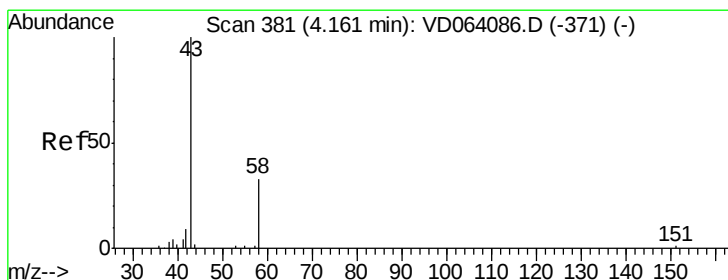
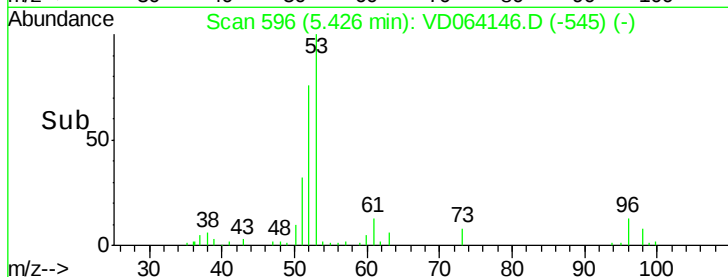
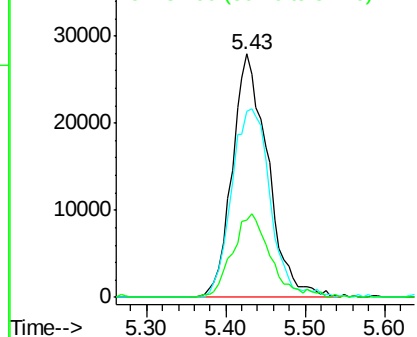
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 86914 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.5  | 66.2  | 99.4  |
| 51       | 35.8  | 29.0  | 43.6  |

Manual Integrations  
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11/4/2019 11:50:53 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 297.306 ug/l

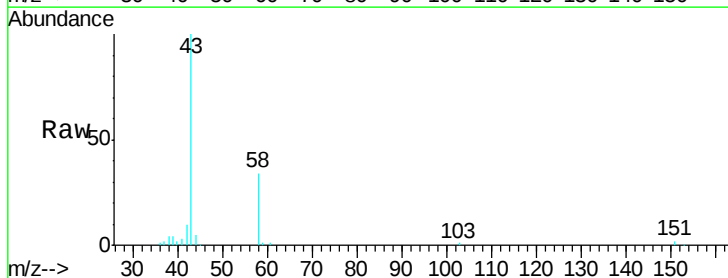
RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

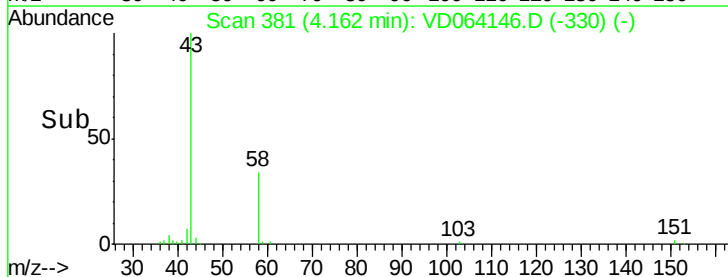
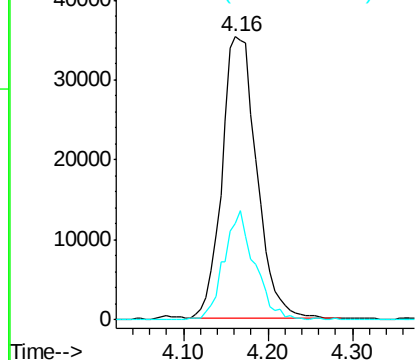
Lab File: VD064146.D

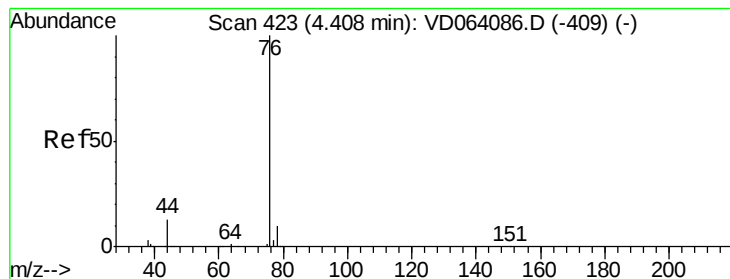
Acq: 01 Nov 2019 11:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 100500 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 34.1  | 26.3  | 39.5   |



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 49.404 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 294198

Ion Ratio Lower Upper

76 100

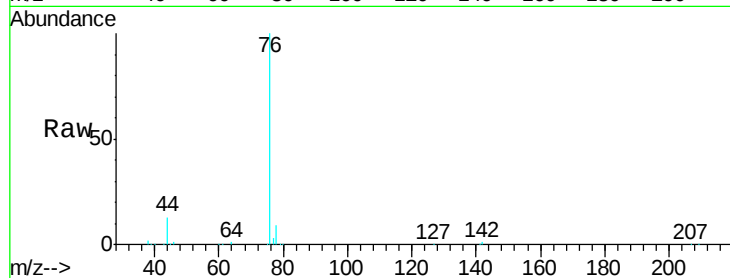
78 9.0 8.1 12.1

Manual Integrations

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MMDadoda

11/4/2019 11:50:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

120000

100000

80000

60000

40000

20000

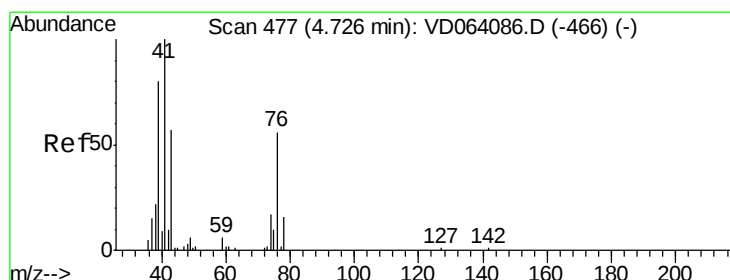
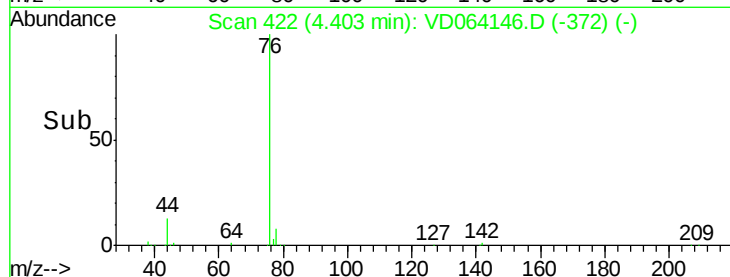
0

4.30

4.40

4.50

Time-->



#18

Methyl Acetate

Concen: 46.947 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD064146.D

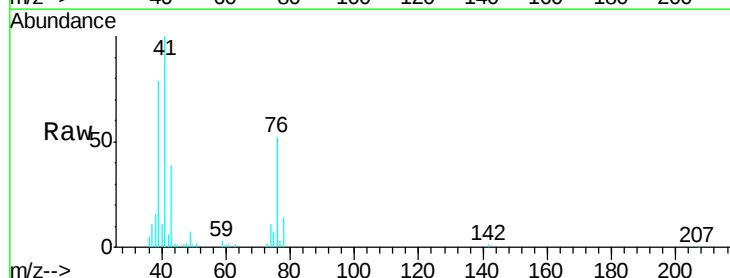
Acq: 01 Nov 2019 11:45

Tgt Ion: 43 Resp: 42213

Ion Ratio Lower Upper

43 100

74 15.7 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

10000

5000

0

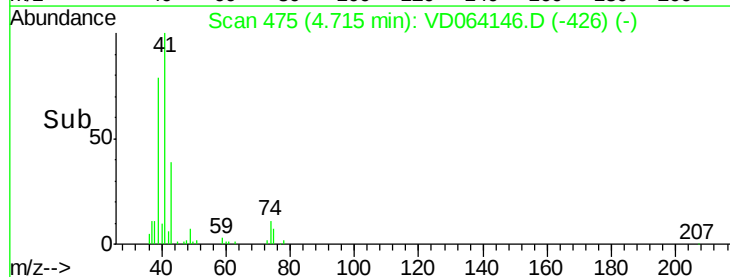
4.60

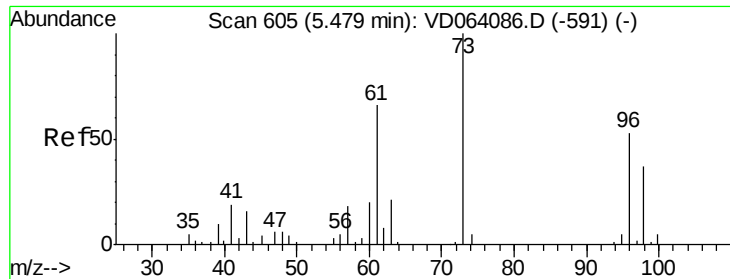
4.70

4.80

4.90

Time-->





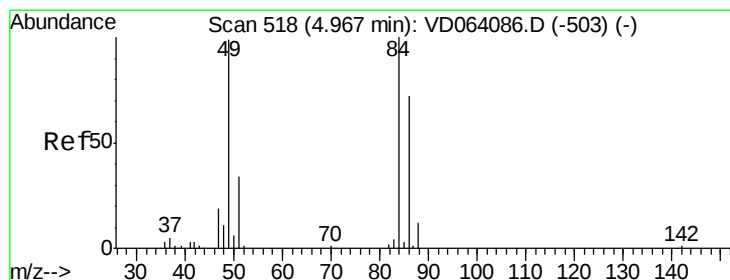
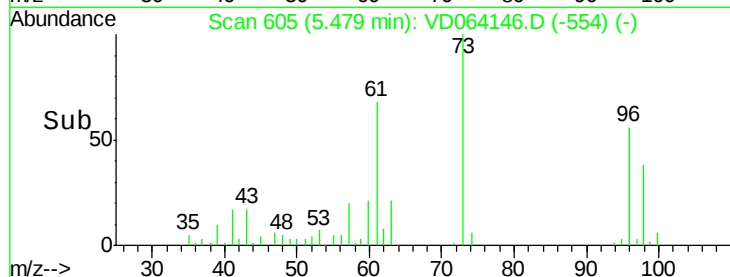
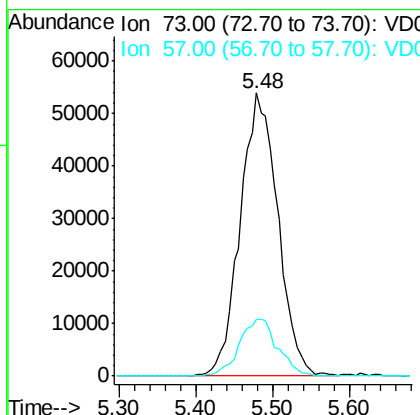
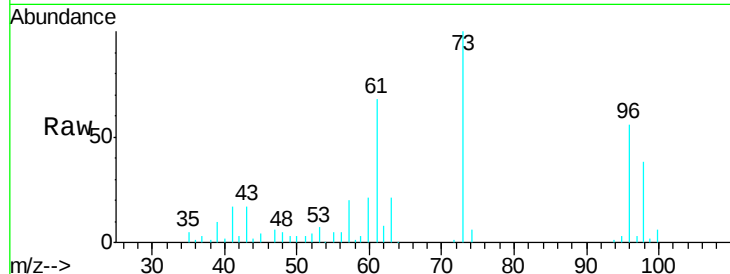
#19  
Methyl tert-butyl Ether  
Concen: 46.898 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 73 Resp: 184408  
Ion Ratio Lower Upper  
73 100  
57 20.0 14.3 21.5

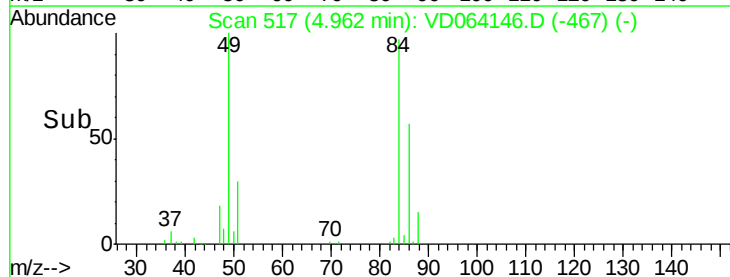
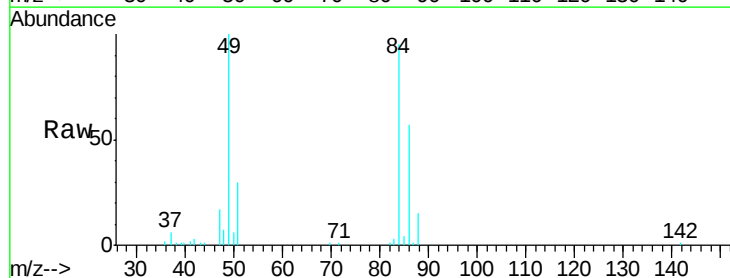
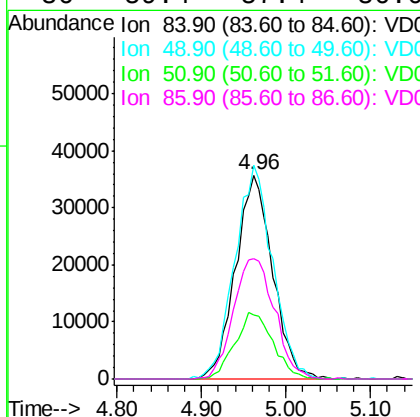
Manual Integrations  
APPROVED

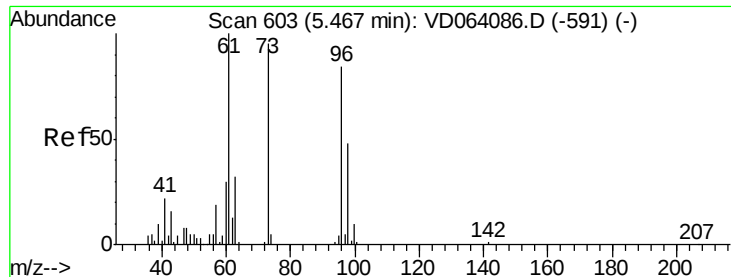
MMDadoda  
11/4/2019 11:50:53 AM



#20  
Methylene Chloride  
Concen: 50.386 ug/l  
RT: 4.96 min Scan# 517  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 84 Resp: 108736  
Ion Ratio Lower Upper  
84 100  
49 104.9 79.4 119.0  
51 31.2 27.4 41.2  
86 59.4 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 49.712 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

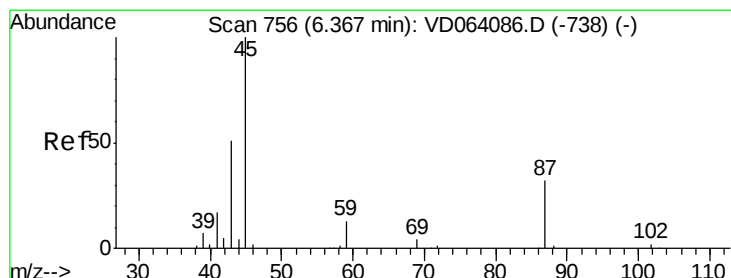
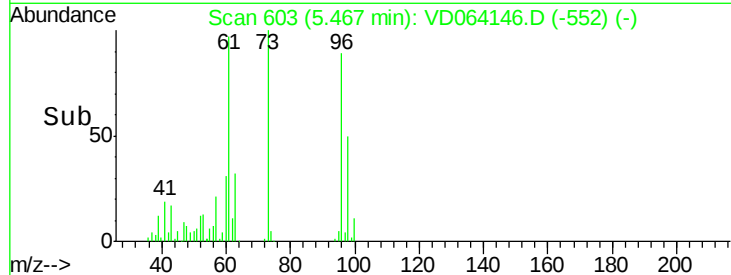
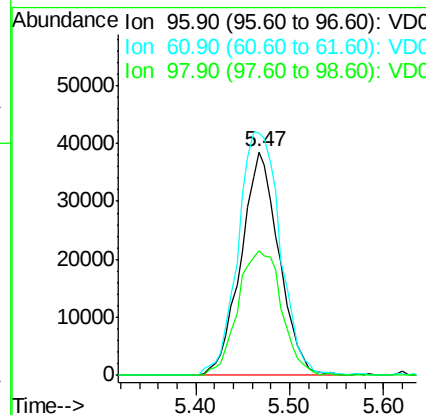
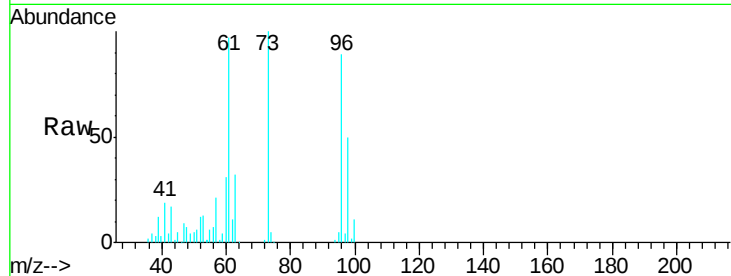
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 108137 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 108.3 | 95.0  | 142.6  |
| 98       | 55.6  | 45.8  | 68.8   |

Manual Integrations  
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MMDadoda  
11/4/2019 11:50:53 AM



#22

Diisopropyl ether

Concen: 49.528 ug/l

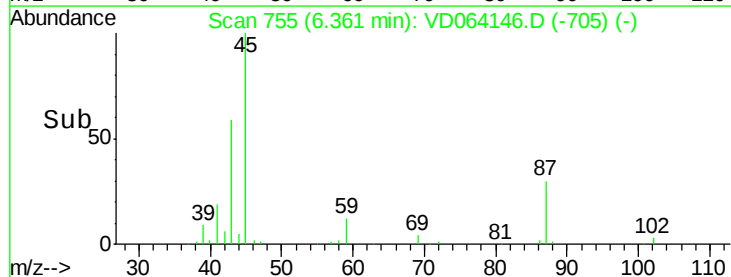
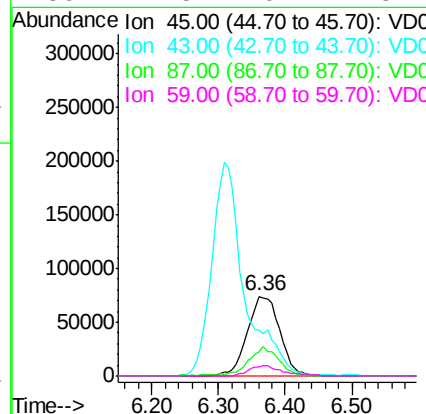
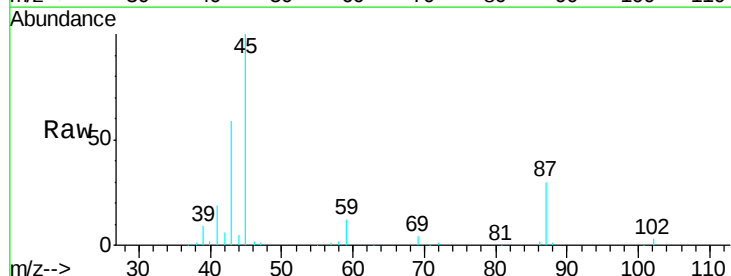
RT: 6.36 min Scan# 755

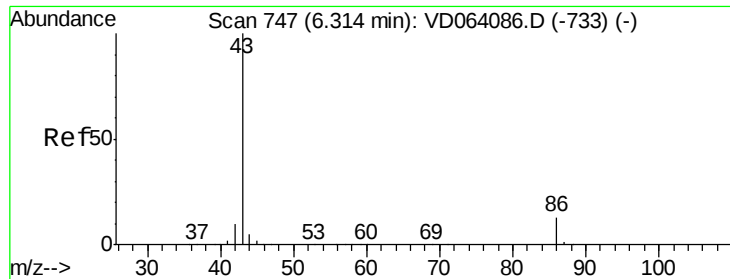
Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 248778 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.1  | 44.3  | 66.5   |
| 87       | 30.4  | 26.6  | 39.8   |
| 59       | 11.5  | 10.2  | 15.2   |





#23

Vinyl Acetate

Concen: 246.313 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 678184

Ion Ratio Lower Upper

43 100

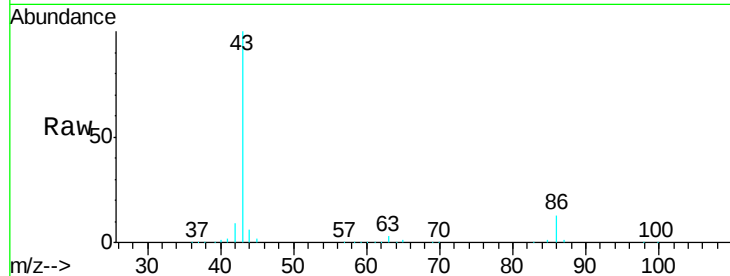
86 12.8 10.7 16.1

Manual Integrations

APPROVED

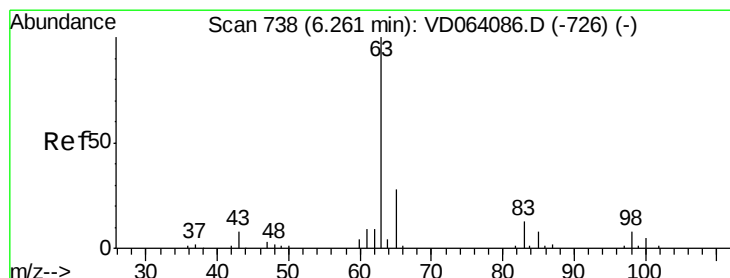
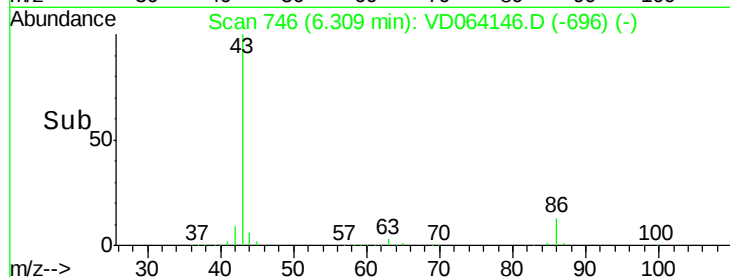
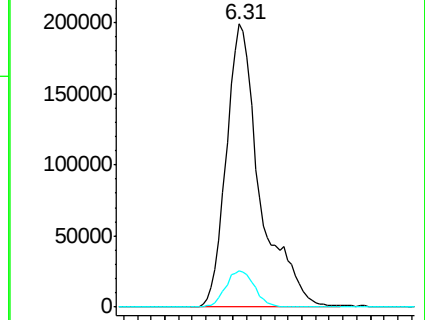
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.307 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

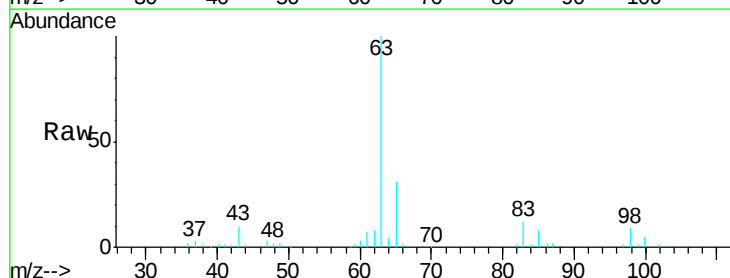
Tgt Ion: 63 Resp: 167246

Ion Ratio Lower Upper

63 100

98 9.4 4.0 11.9

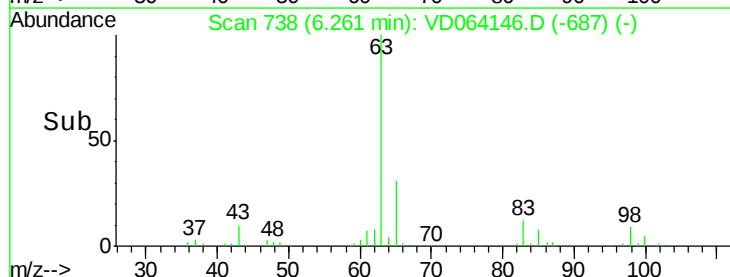
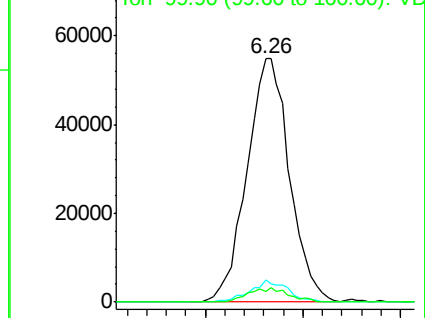
100 4.5 2.6 7.8

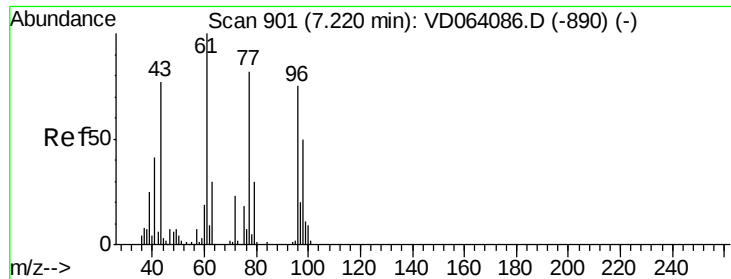


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 249.096 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 116408

Ion Ratio Lower Upper

43 100

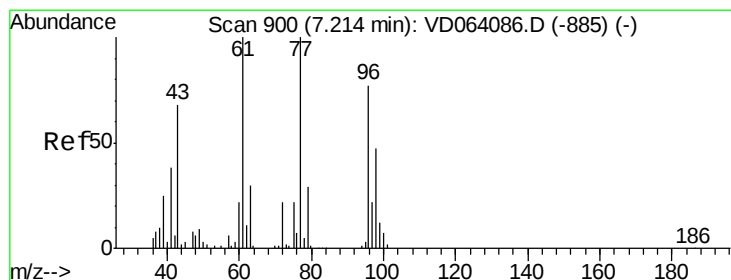
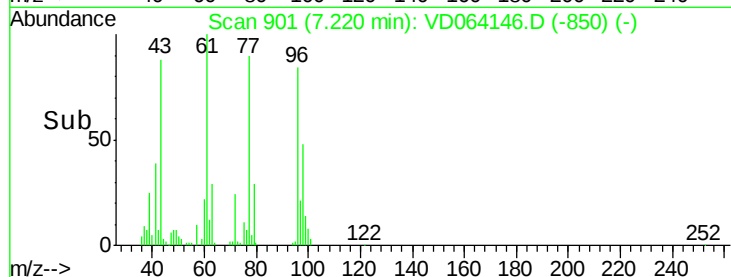
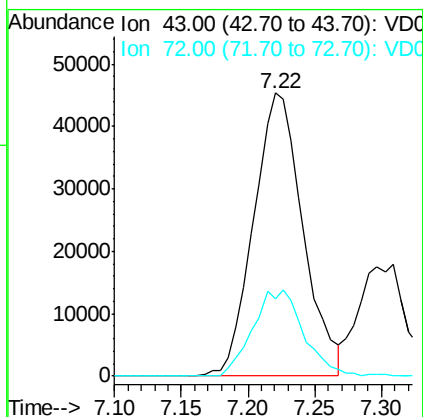
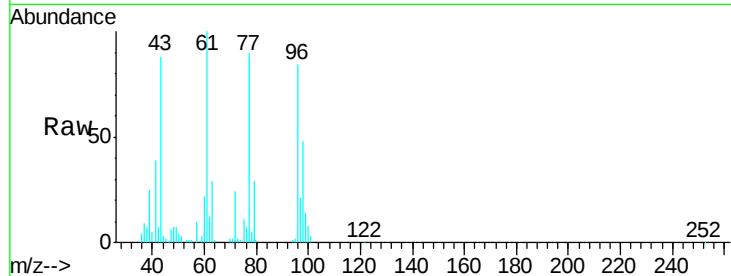
72 27.4 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.770 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064146.D

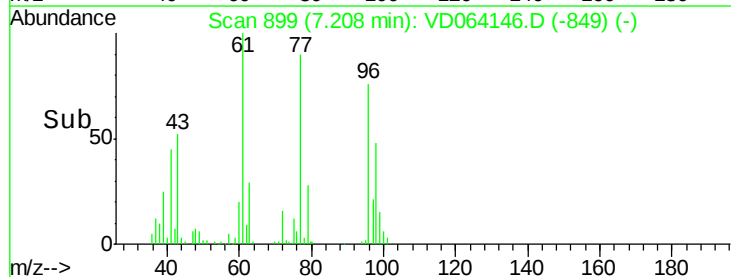
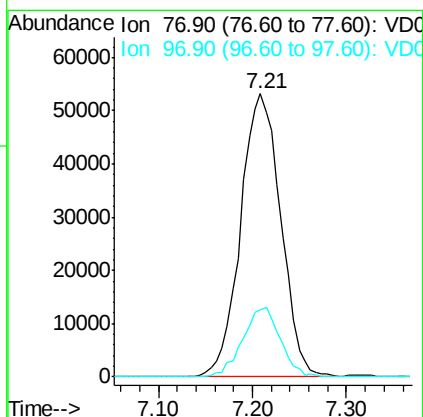
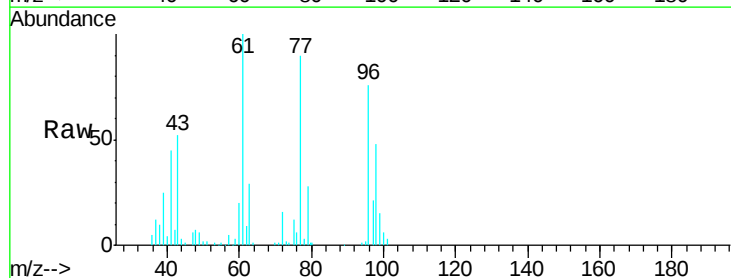
Acq: 01 Nov 2019 11:45

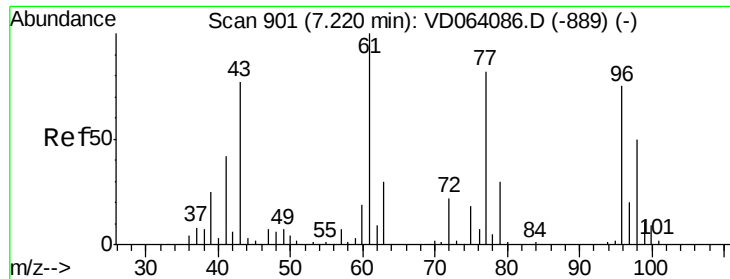
Tgt Ion: 77 Resp: 157007

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

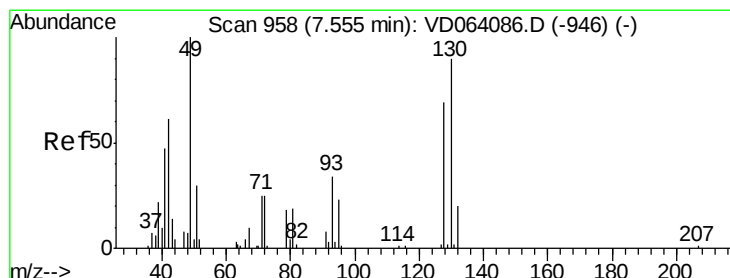
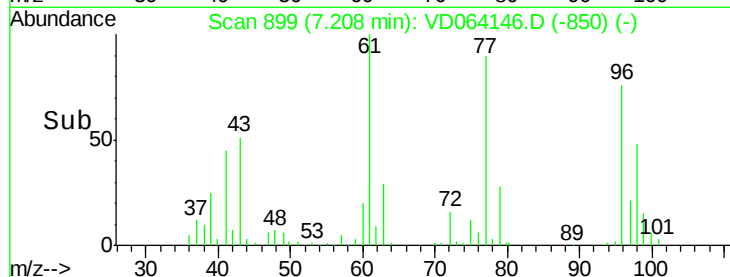
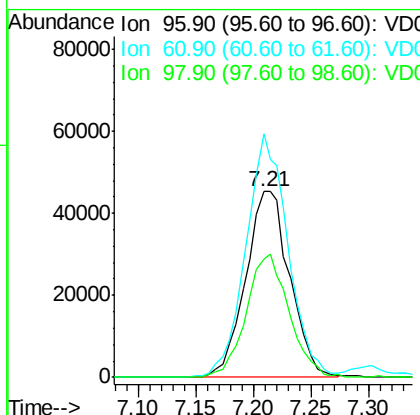
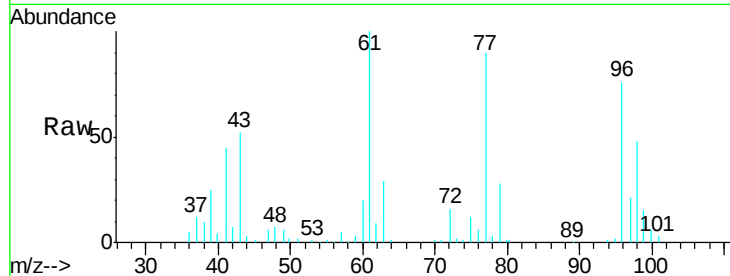
cis-1,2-Dichloroethene  
Concen: 49.500 ug/l  
RT: 7.21 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 120485 |       |       |
| 61      | 124.8 | 0.0    | 258.0 |       |
| 98      | 64.2  | 0.0    | 130.8 |       |

Manual Integrations  
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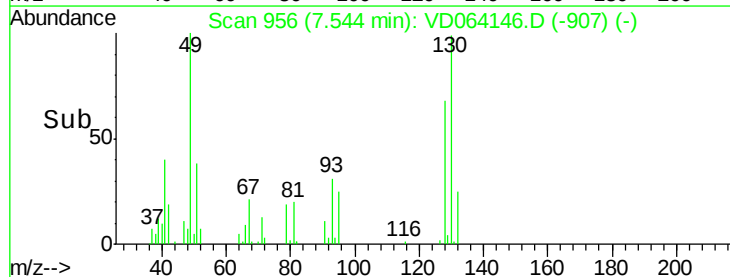
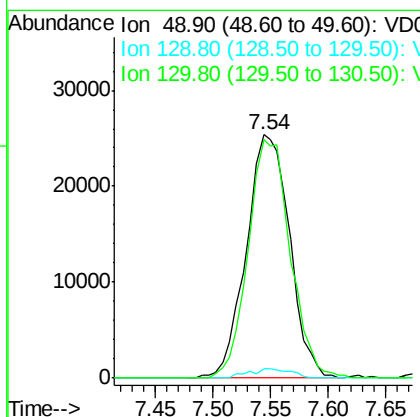
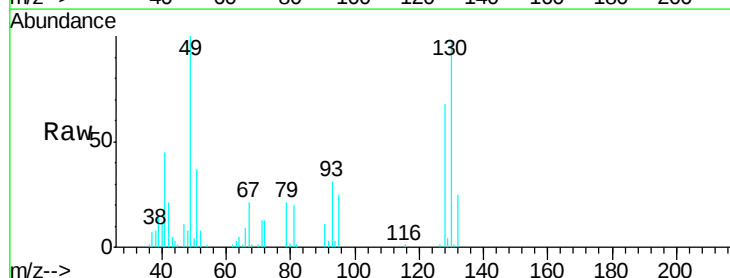
MMDadoda  
11/4/2019 11:50:53 AM

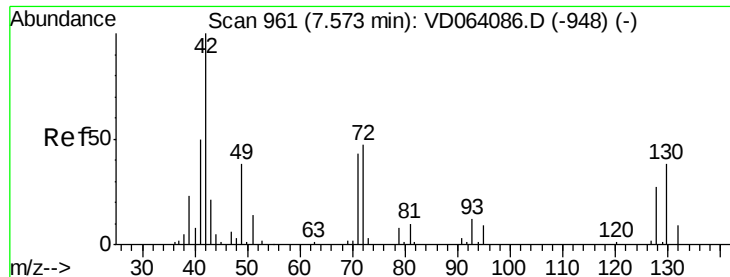


#28

Bromochloromethane  
Concen: 50.091 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 66233 |       |       |
| 129     | 3.8   | 0.0   | 5.4   |       |
| 130     | 95.6  | 75.3  | 112.9 |       |





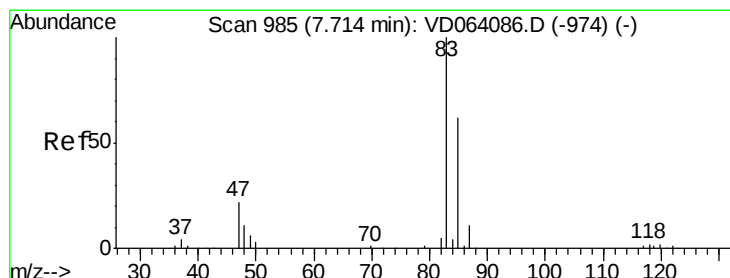
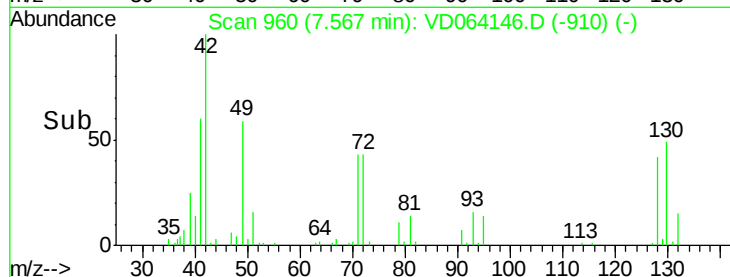
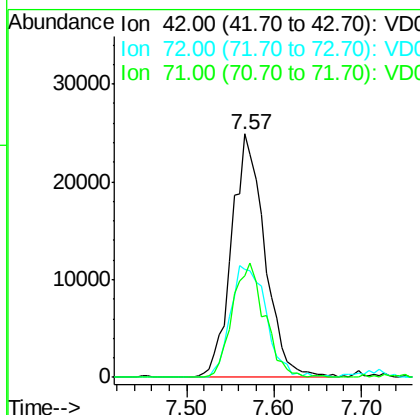
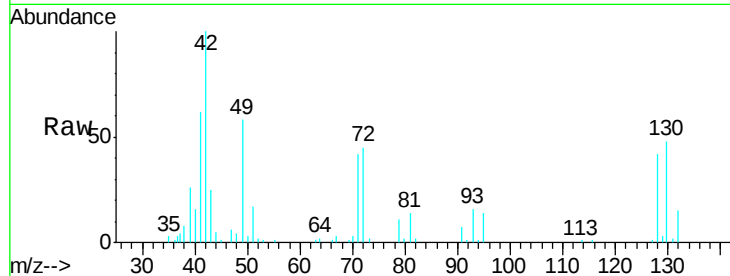
#29  
Tetrahydrofuran  
Concen: 235.237 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.6  | 38.9  | 58.3  |
| 71      | 45.4  | 35.4  | 53.2  |

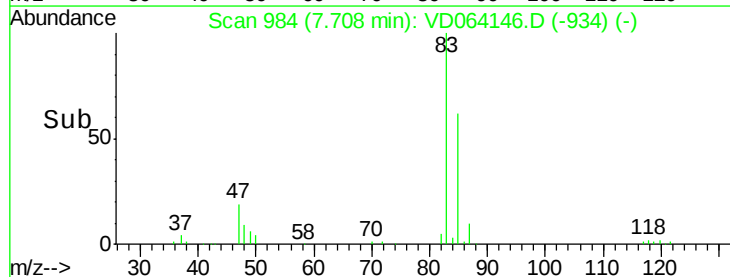
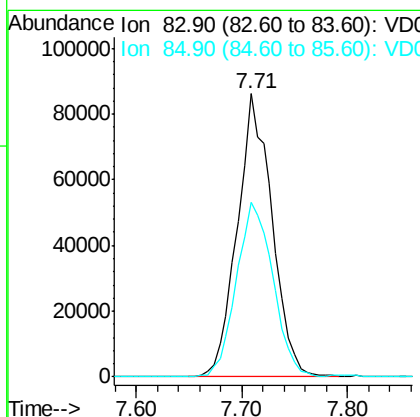
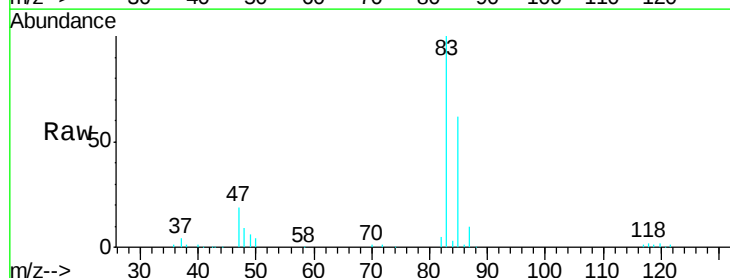
Manual Integrations  
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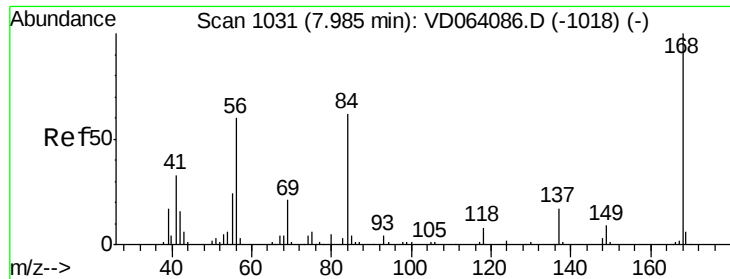
MMDadoda  
11/4/2019 11:50:53 AM



#30  
Chloroform  
Concen: 50.637 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.9  | 49.8  | 74.6  |





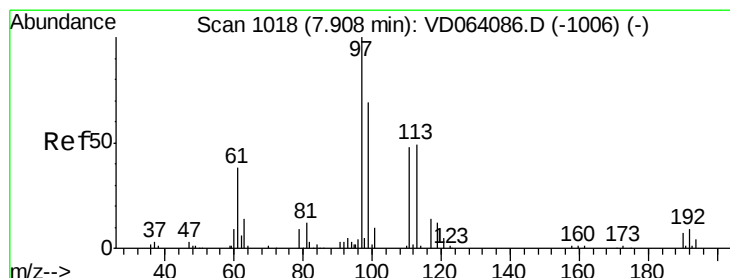
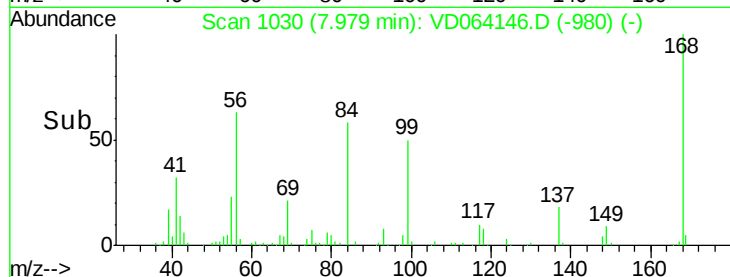
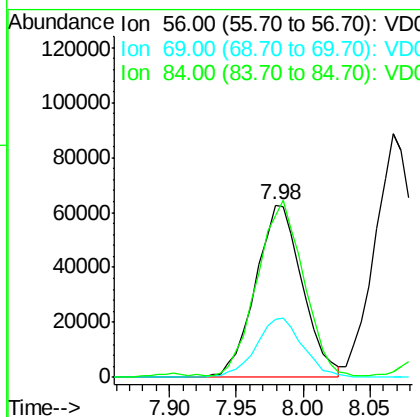
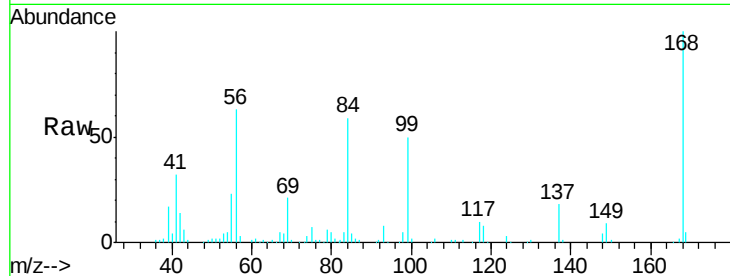
#31  
Cyclohexane  
Concen: 46.209 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.6  | 27.7  | 41.5  |
| 84      | 93.3  | 83.1  | 124.7 |

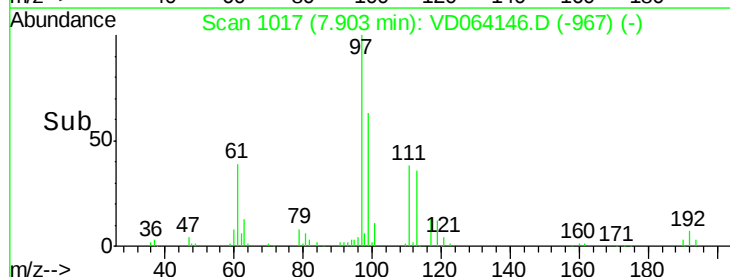
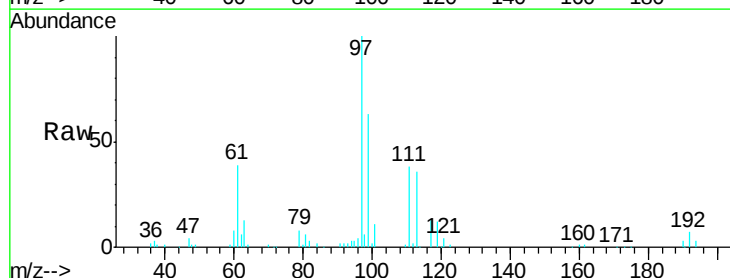
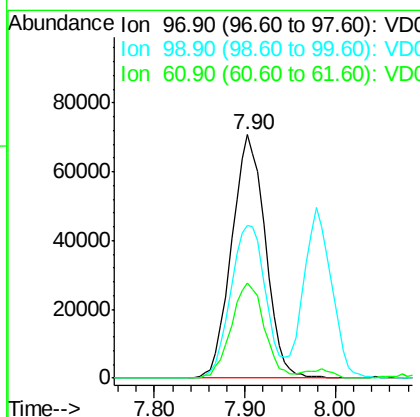
Manual Integrations  
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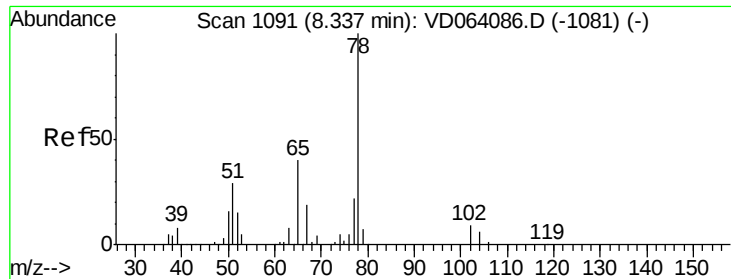
MMDadoda  
11/4/2019 11:50:53 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.349 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.5  | 53.7  | 80.5  |
| 61      | 38.8  | 31.8  | 47.6  |





#33

1,2-Dichloroethane-d4

Concen: 48.469 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 86112

Ion Ratio Lower Upper

65 100

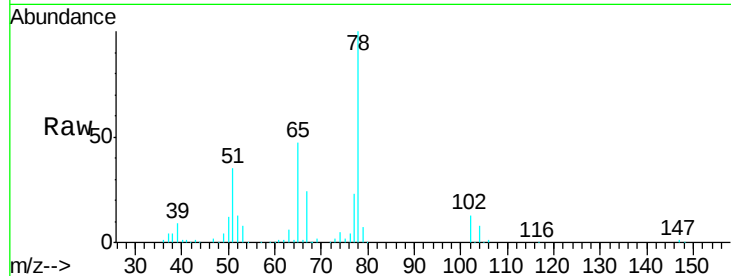
67 55.3 0.0 104.6

Manual Integrations

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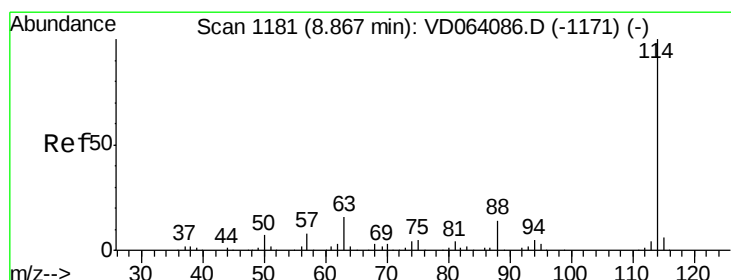
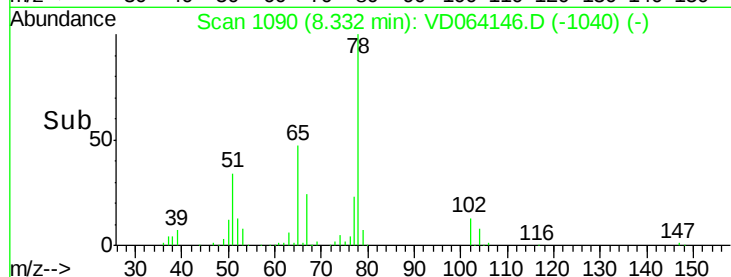
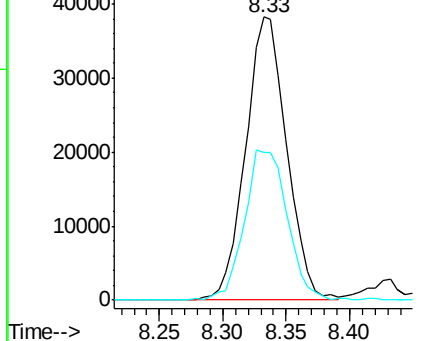
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Abundance Ion 64.90 (64.60 to 65.60): VDC

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: VD064146.D

Acq: 01 Nov 2019 11:45

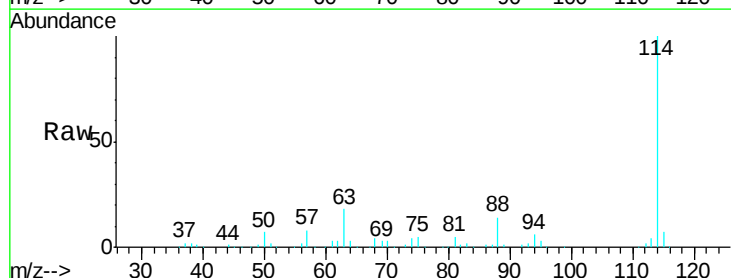
Tgt Ion: 114 Resp: 315022

Ion Ratio Lower Upper

114 100

63 18.3 0.0 32.8

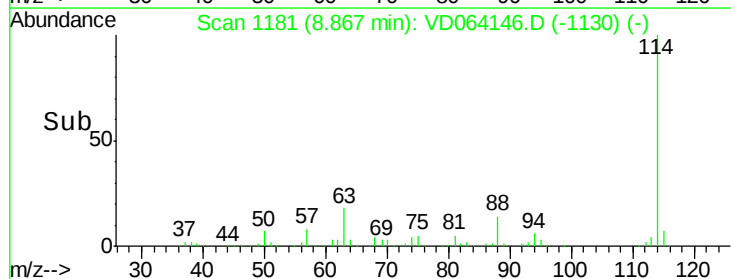
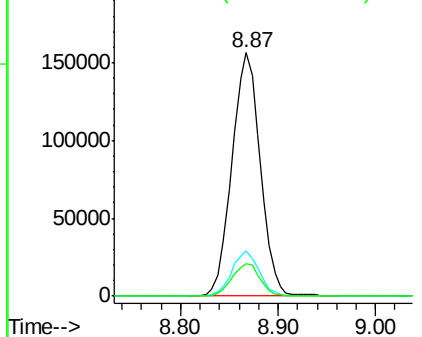
88 13.5 0.0 27.6

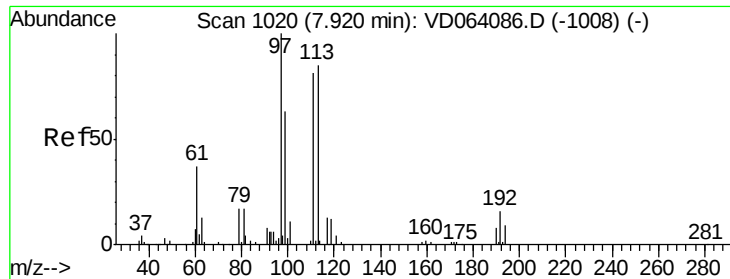


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.505 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

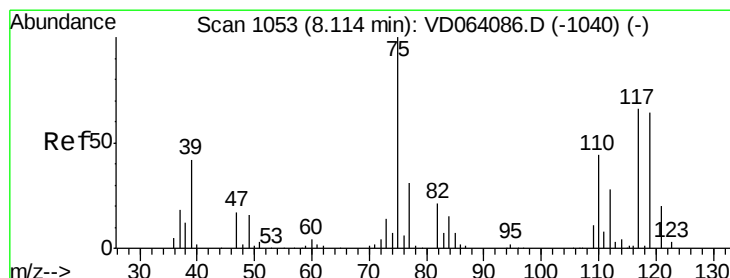
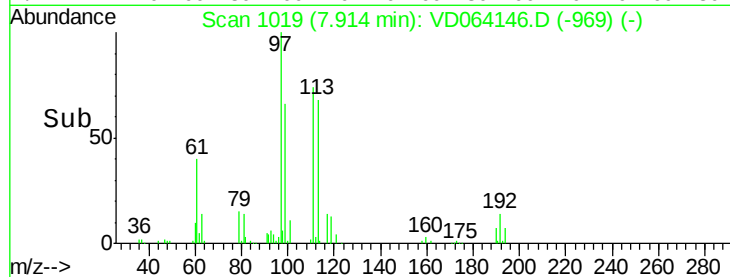
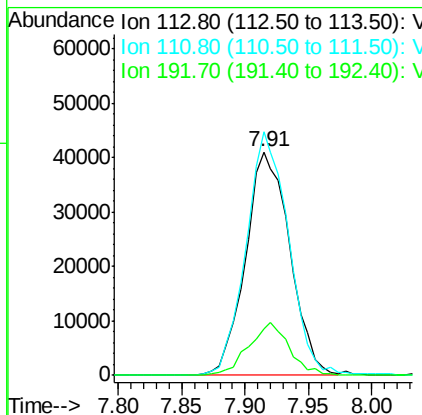
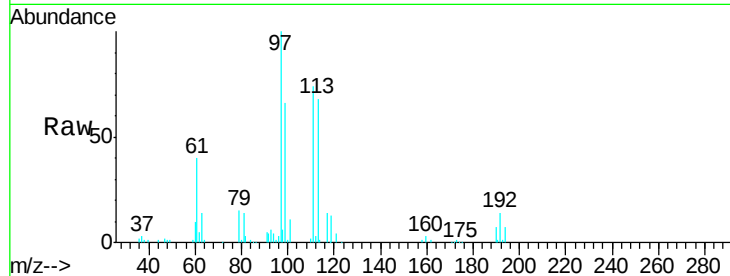
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 99822 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 105.0 | 79.3  | 118.9 |
| 192       | 21.5  | 16.2  | 24.2  |

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11/4/2019 11:50:53 AM



#36

1,1-Dichloropropene

Concen: 50.411 ug/l

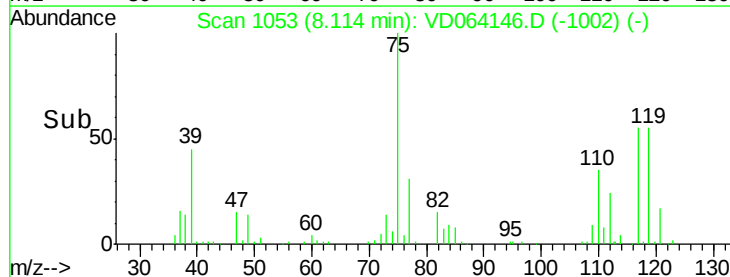
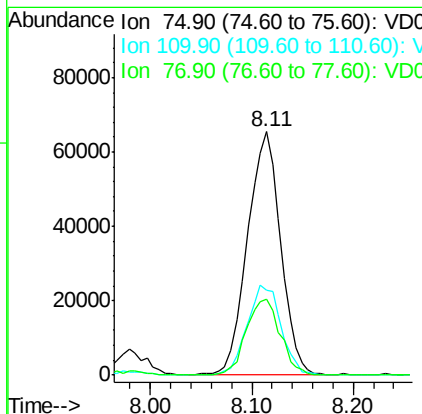
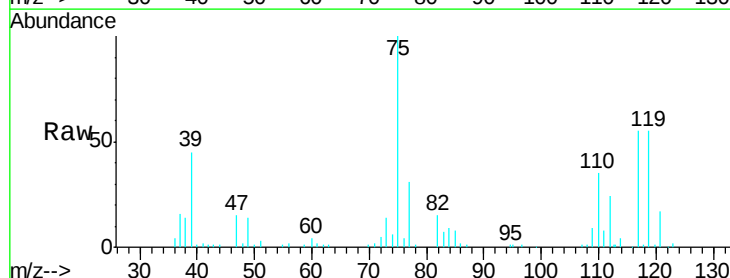
RT: 8.11 min Scan# 1053

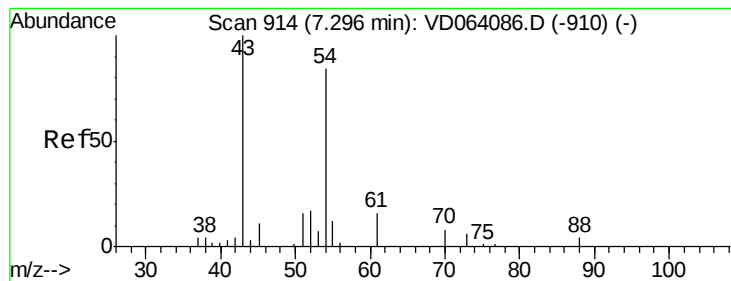
Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 148807 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 37.7  | 20.0  | 59.9   |
| 77        | 32.0  | 24.7  | 37.1   |





#37

Ethyl Acetate

Concen: 52.025 ug/l

RT: 7.31 min Scan# 916

Delta R.T. 0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

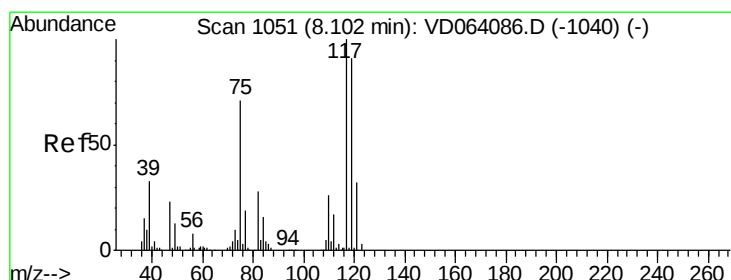
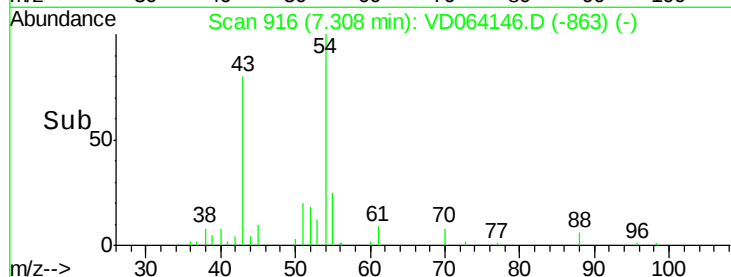
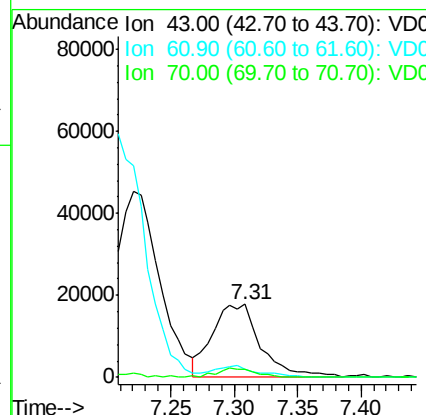
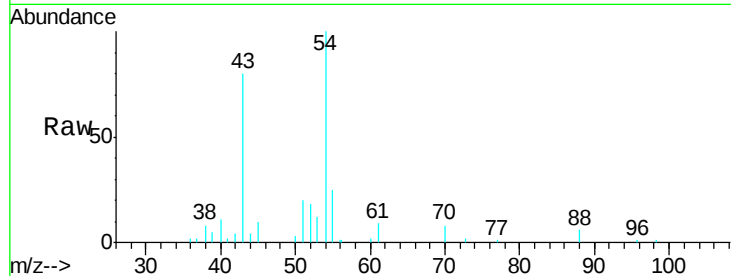
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 47269 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.0  | 12.0  | 18.0  |
| 70       | 10.6  | 3.8   | 5.6#  |

Manual Integrations  
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11/4/2019 11:50:53 AM



#38

Carbon Tetrachloride

Concen: 53.097 ug/l

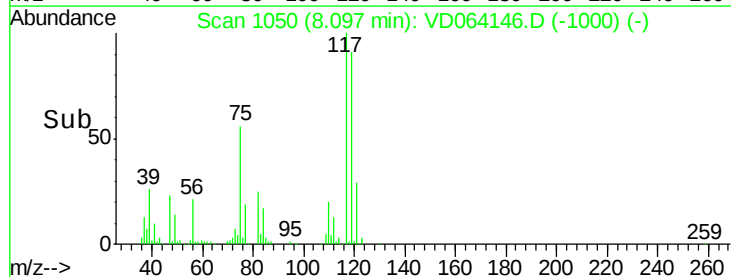
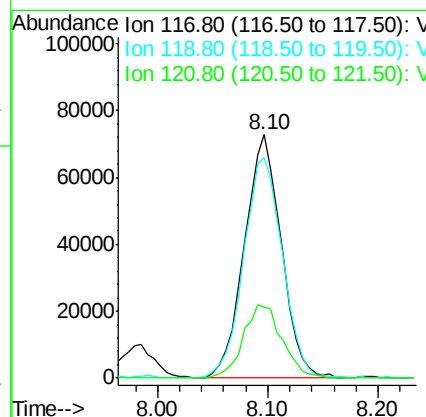
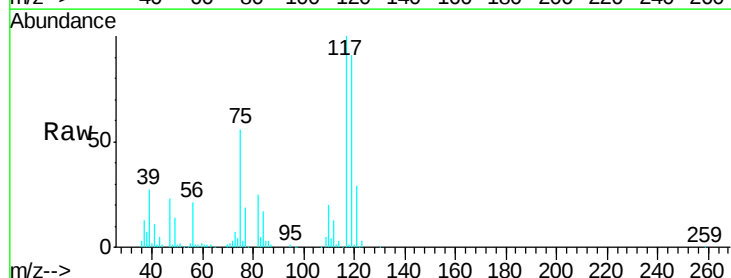
RT: 8.10 min Scan# 1050

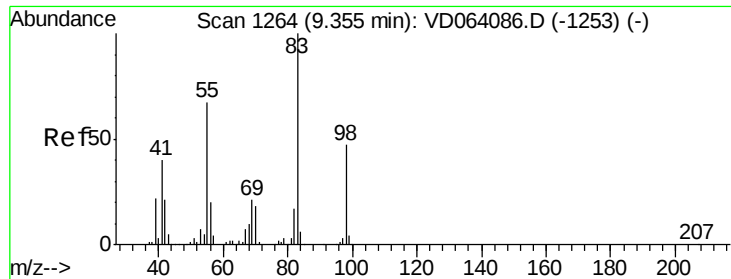
Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 171007 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 90.6  | 72.6  | 108.8  |
| 121      | 29.0  | 25.8  | 38.6   |





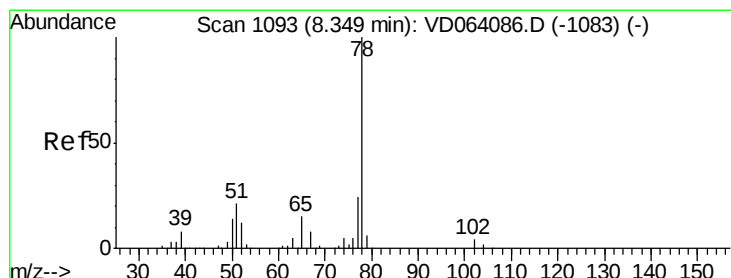
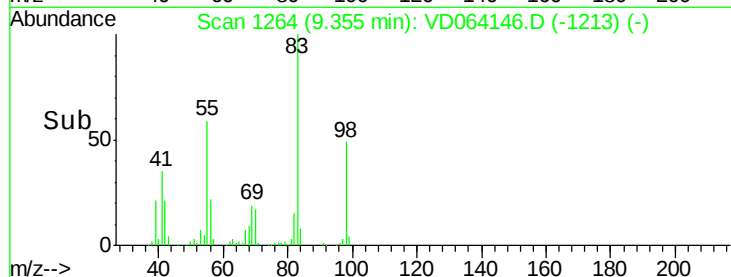
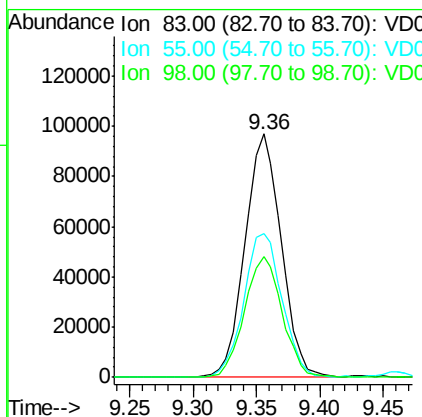
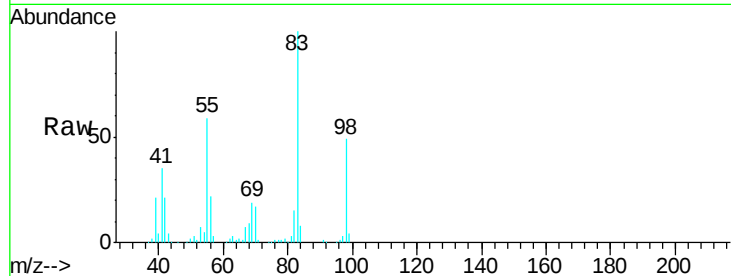
#39  
Methylcyclohexane  
Concen: 53.356 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 58.9  | 53.4  | 80.0  |
| 98      | 49.4  | 37.8  | 56.6  |

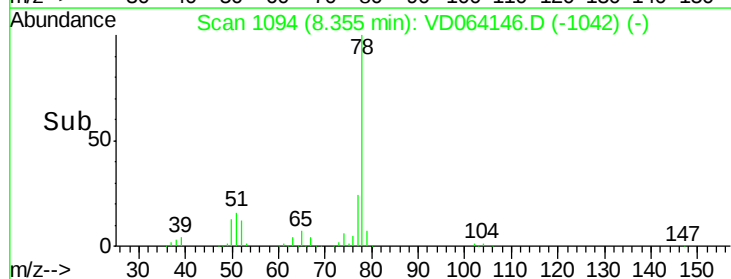
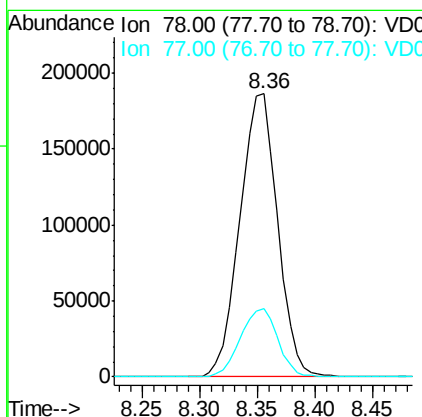
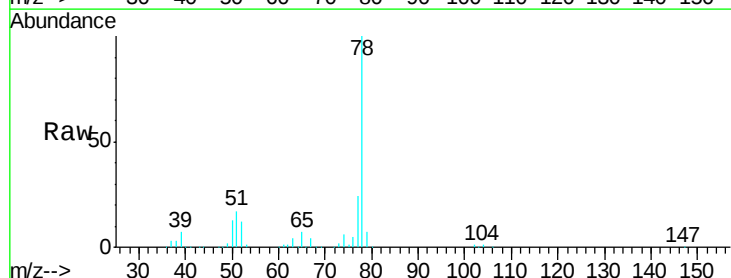
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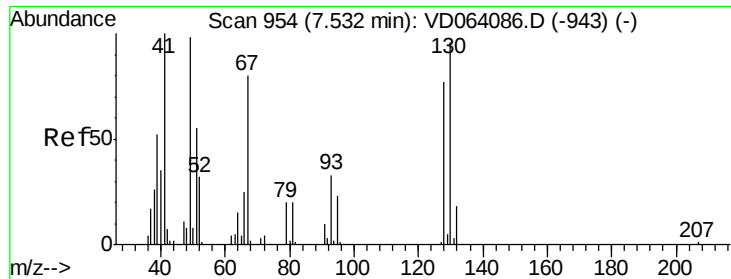
MMDadoda  
11/4/2019 11:50:53 AM



#40  
Benzene  
Concen: 52.794 ug/l  
RT: 8.36 min Scan# 1094  
Delta R.T. 0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.1  | 19.0  | 28.4  |





#41

Methacrylonitrile

Concen: 64.506 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 33823

Ion Ratio Lower Upper

41 100

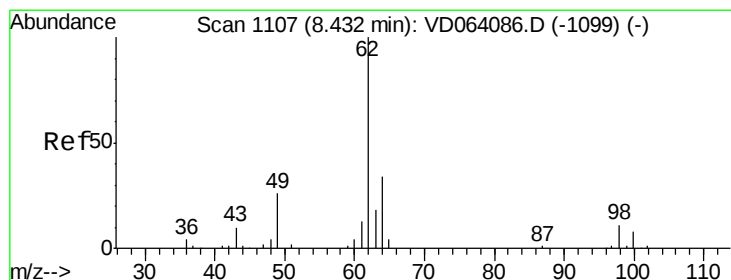
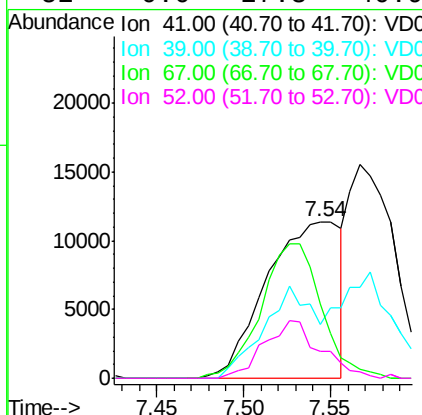
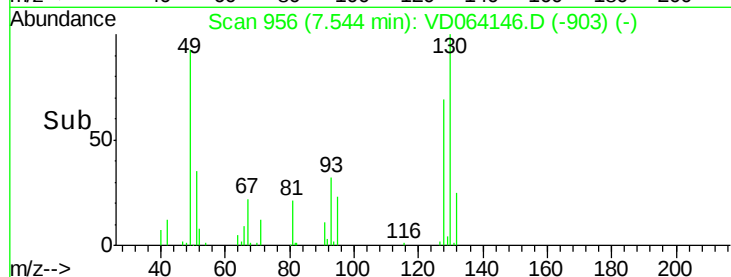
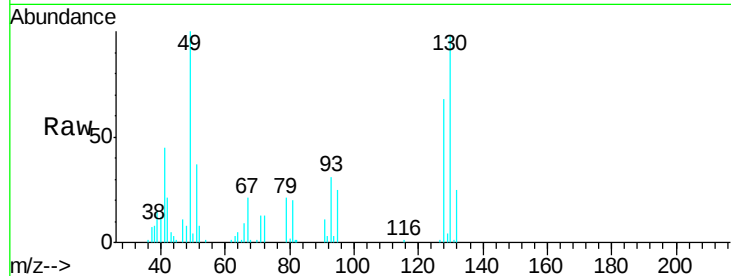
39 53.8 41.0 61.4

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

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#42

1,2-Dichloroethane

Concen: 51.858 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064146.D

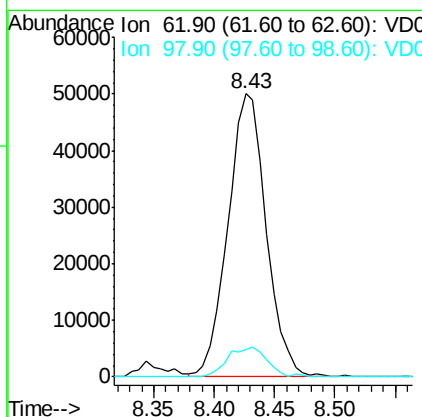
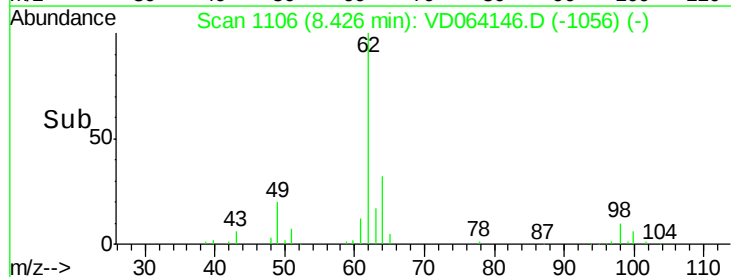
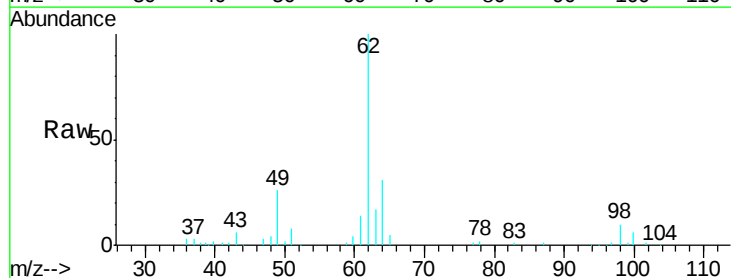
Acq: 01 Nov 2019 11:45

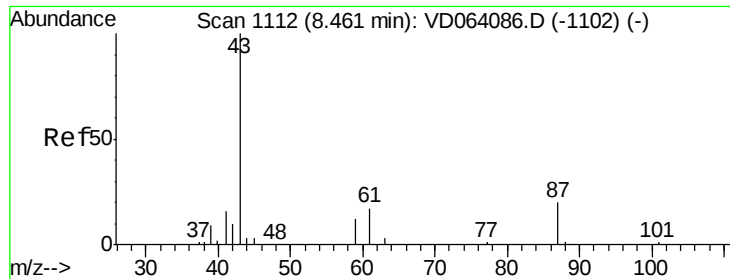
Tgt Ion: 62 Resp: 110266

Ion Ratio Lower Upper

62 100

98 11.0 0.0 21.0





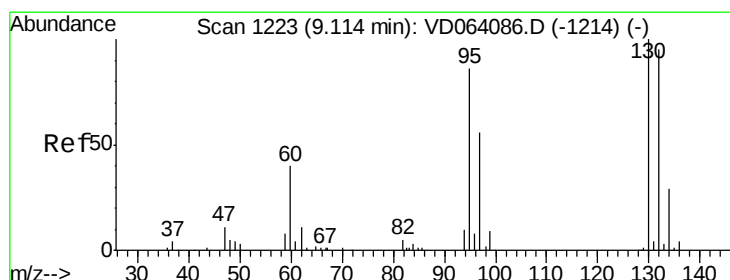
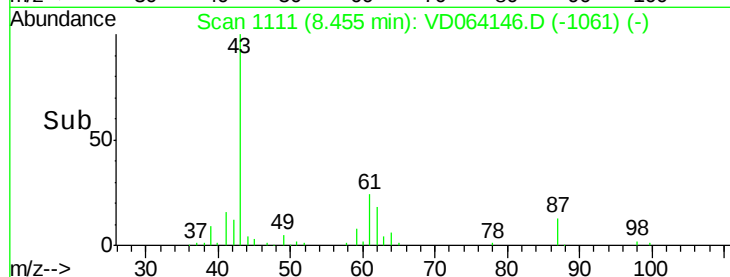
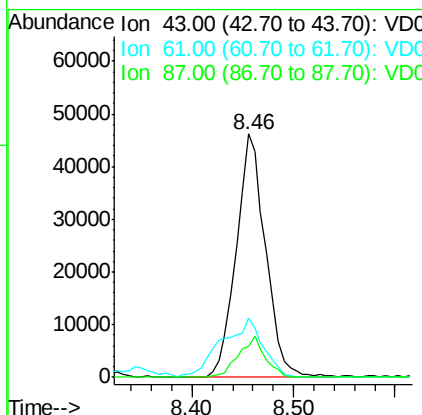
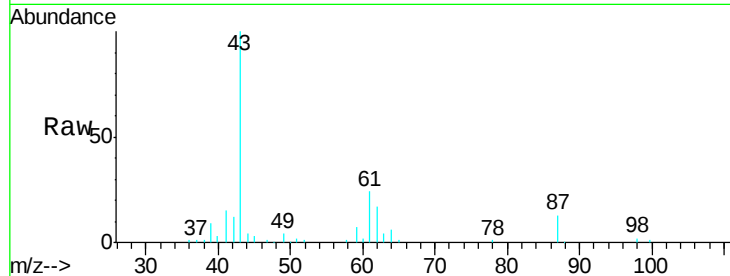
#43  
Isopropyl Acetate  
Concen: 50.487 ug/l  
RT: 8.46 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 33.9  | 25.8  | 38.8  |
| 87      | 15.1  | 13.0  | 19.4  |

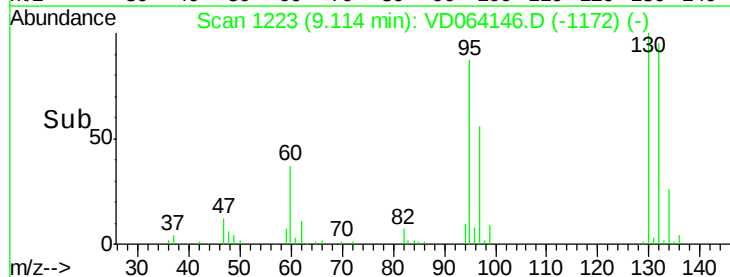
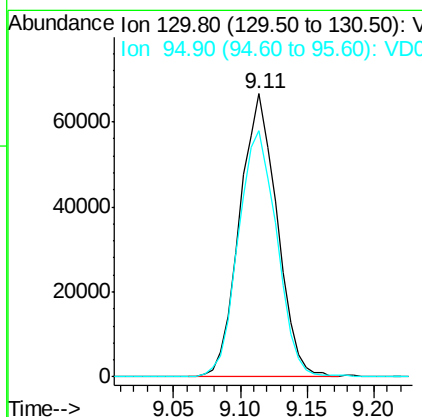
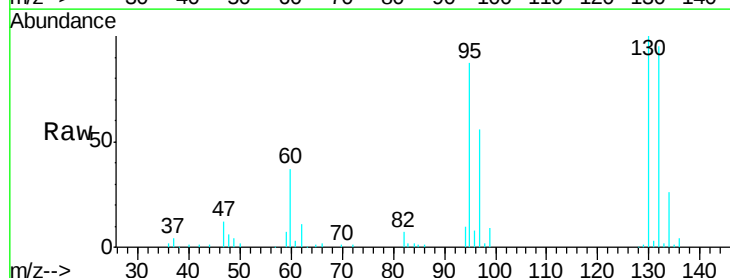
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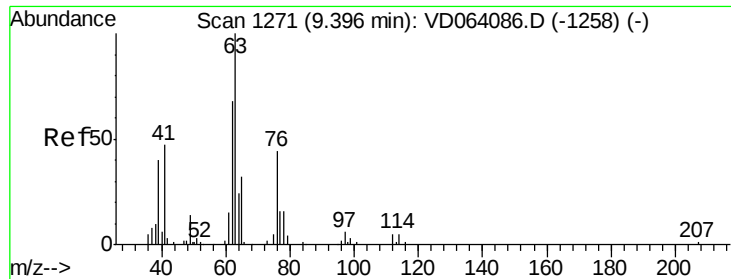
MMDadoda  
11/4/2019 11:50:53 AM



#44  
Trichloroethene  
Concen: 52.893 ug/l  
RT: 9.11 min Scan# 1223  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 87.2  | 0.0   | 173.0 |





#45

1,2-Dichloropropane

Concen: 53.863 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 100481

Ion Ratio Lower Upper

63 100

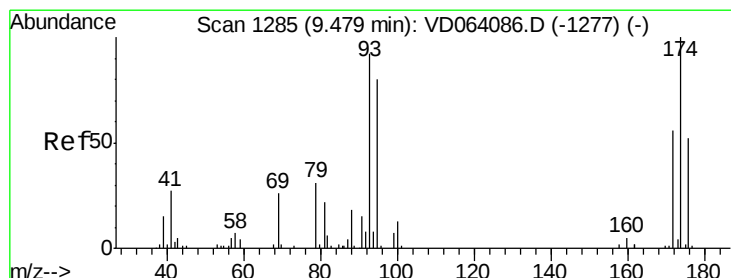
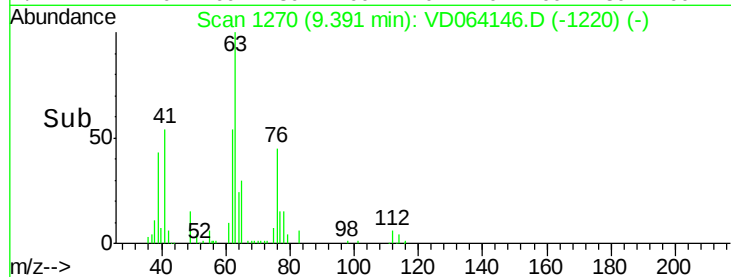
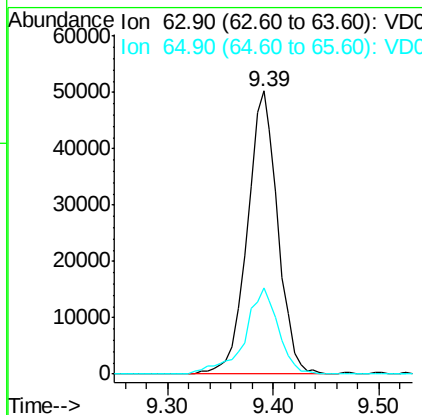
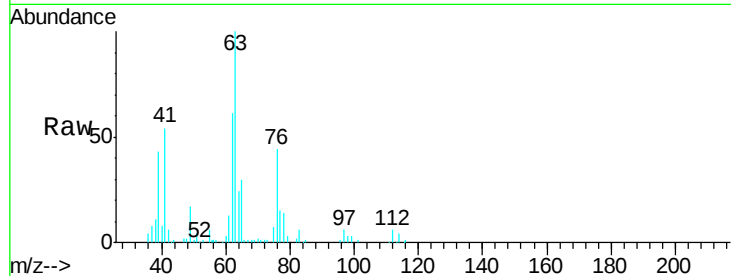
65 30.4 25.8 38.8

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#46

Dibromomethane

Concen: 52.695 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

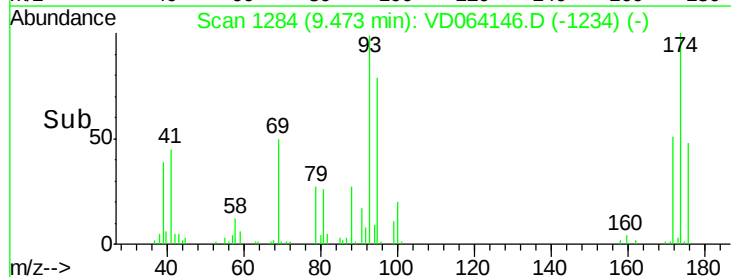
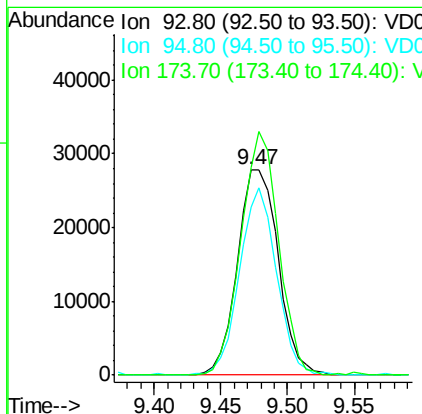
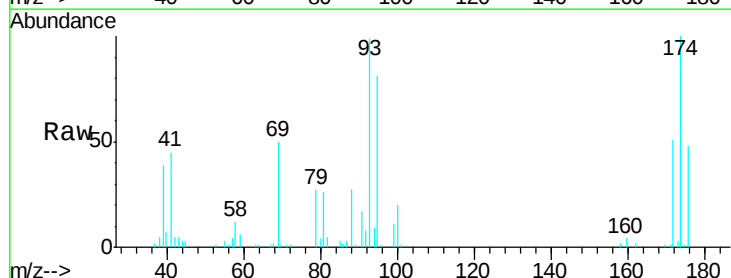
Tgt Ion: 93 Resp: 59204

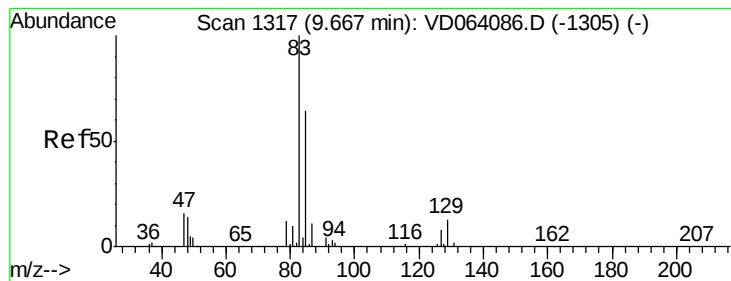
Ion Ratio Lower Upper

93 100

95 82.4 67.4 101.2

174 108.8 86.4 129.6





#47

Bromodichloromethane

Concen: 52.311 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

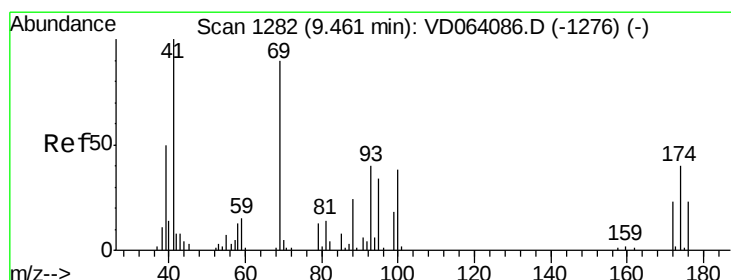
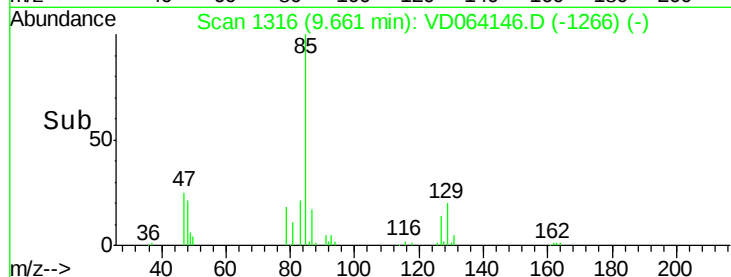
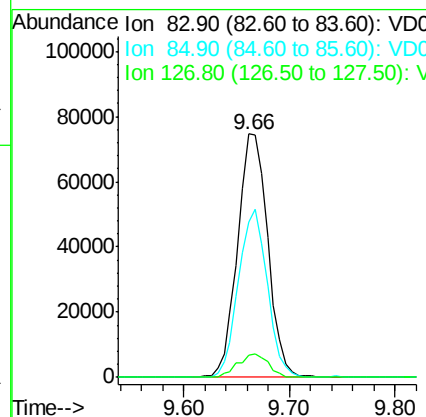
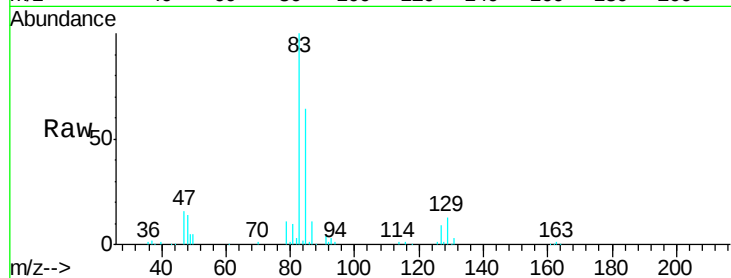
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 148269 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 63.7  | 51.4  | 77.0   |
| 127      | 9.0   | 6.7   | 10.1   |

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#48

Methyl methacrylate

Concen: 52.510 ug/l

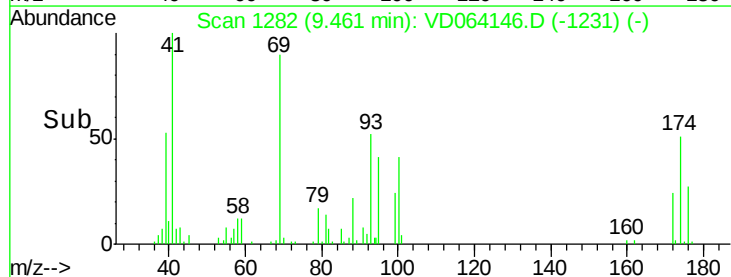
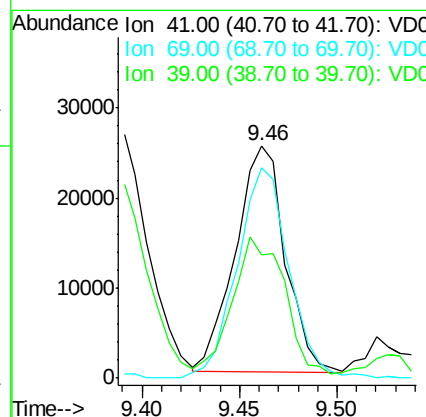
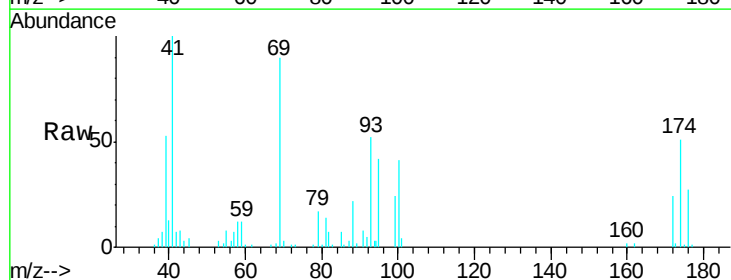
RT: 9.46 min Scan# 1282

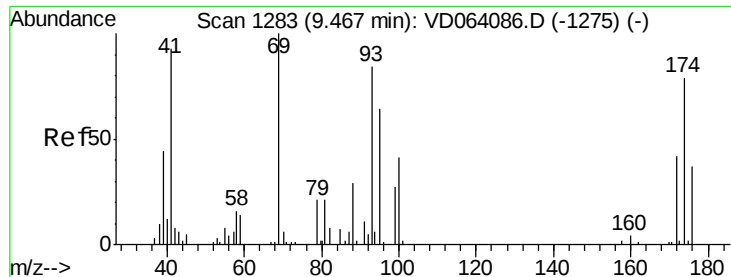
Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 44588 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 96.7  | 82.6  | 124.0 |
| 39       | 66.5  | 47.0  | 70.4  |





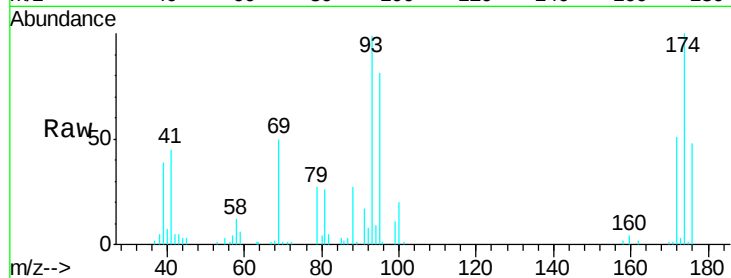
#49  
 1,4-Dioxane  
 Concen: 1196.987 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. 0.01 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

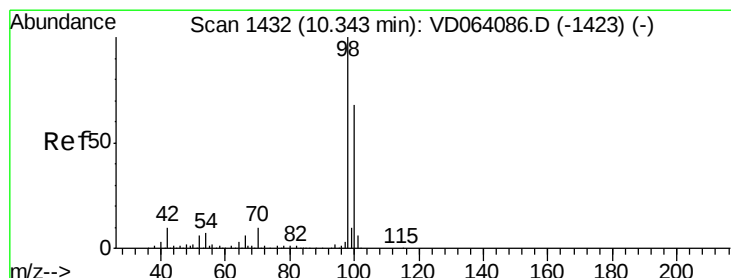
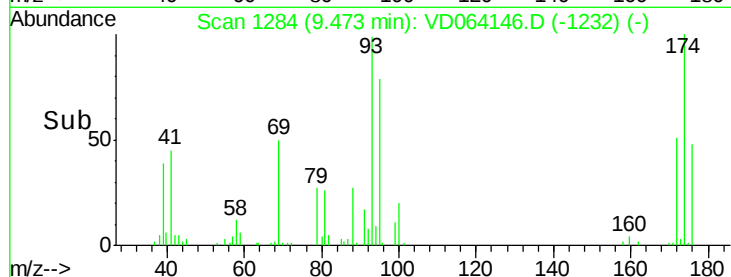
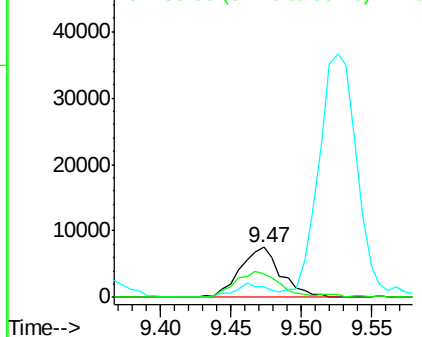
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 22.3  | 13.4  | 20.0# |
| 58      | 54.7  | 46.7  | 70.1  |

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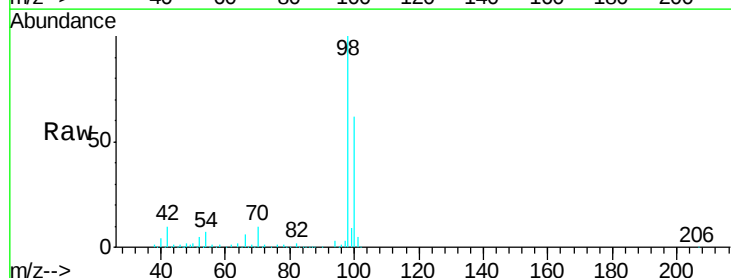


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.00 (42.70 to 43.70): VDC  
 Ion 58.00 (57.70 to 58.70): VDC

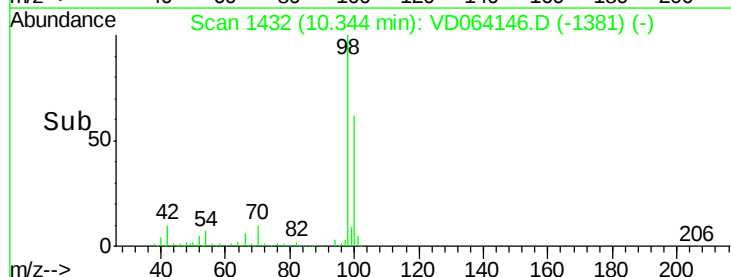
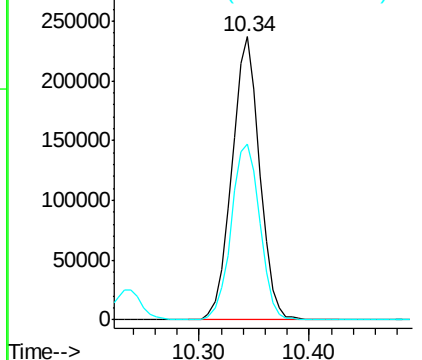


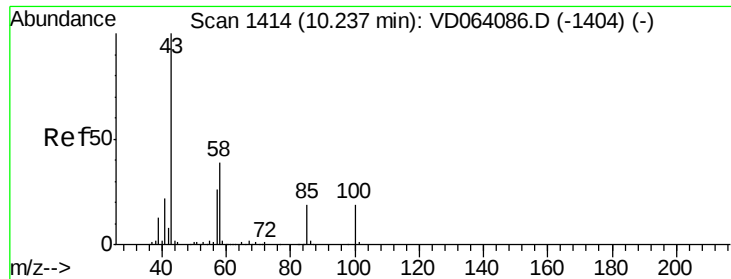
#50  
 Toluene-d8  
 Concen: 53.867 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.2  | 53.4  | 80.0  |



Abundance Ion 98.00 (97.70 to 98.70): VDC  
 Ion 100.00 (99.70 to 100.70): VDC





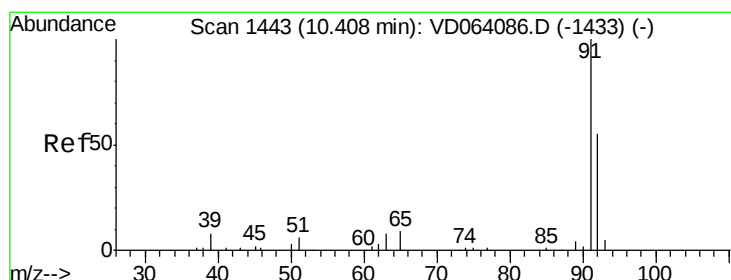
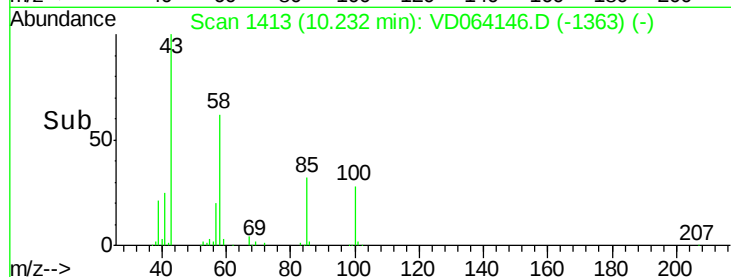
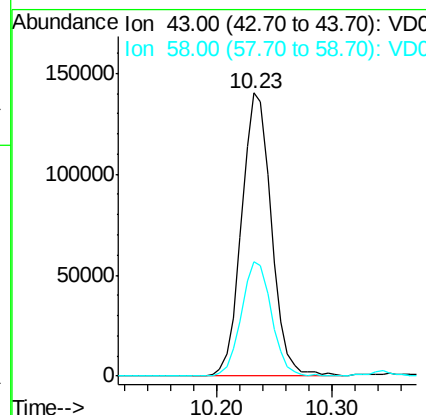
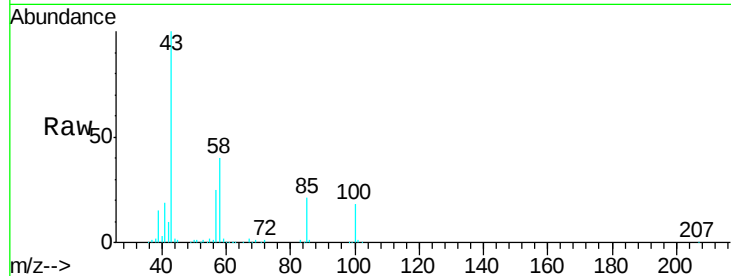
#51  
4-Methyl-2-Pentanone  
Concen: 251.367 ug/l  
RT: 10.23 min Scan# 1413  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 251273  
Ion Ratio Lower Upper  
43 100  
58 41.0 33.0 49.4

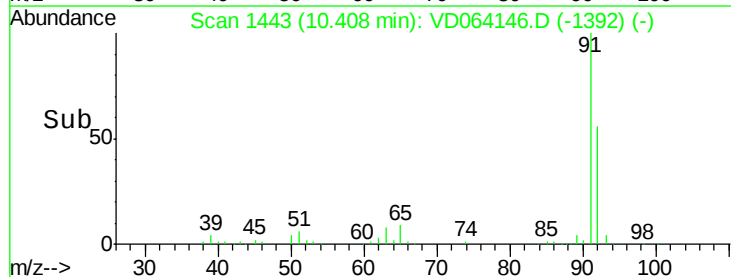
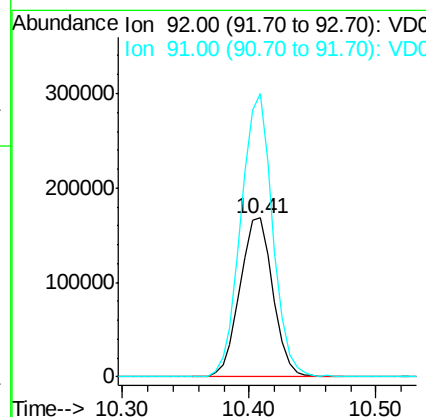
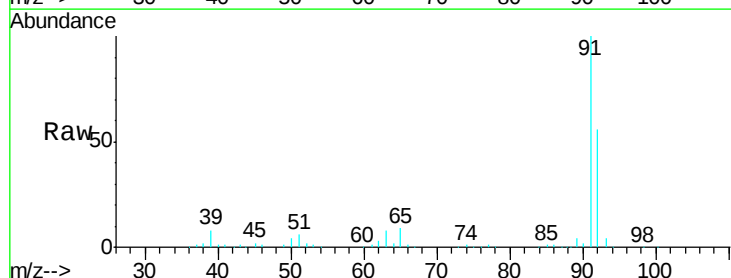
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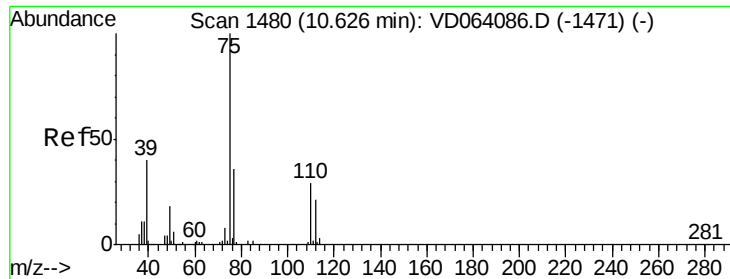
MMDadoda  
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#52  
Toluene  
Concen: 53.954 ug/l  
RT: 10.41 min Scan# 1443  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 92 Resp: 304366  
Ion Ratio Lower Upper  
92 100  
91 170.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 53.200 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 140757

Ion Ratio Lower Upper

75 100

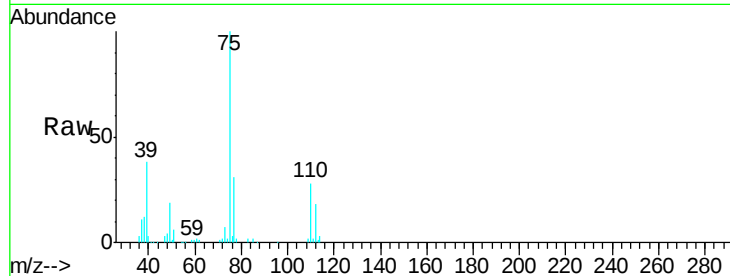
77 31.2 28.7 43.1

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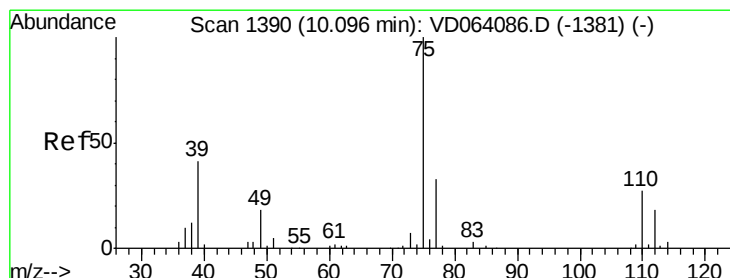
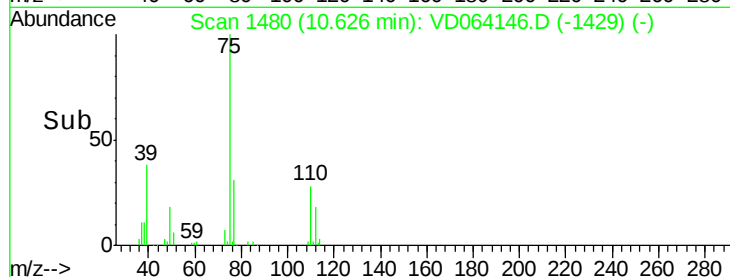
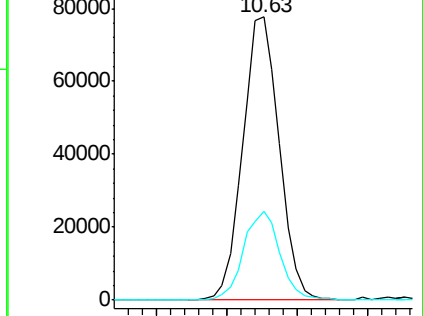
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.741 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

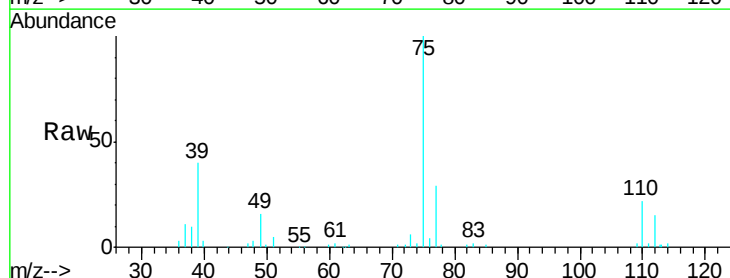
Tgt Ion: 75 Resp: 167286

Ion Ratio Lower Upper

75 100

77 28.9 26.8 40.2

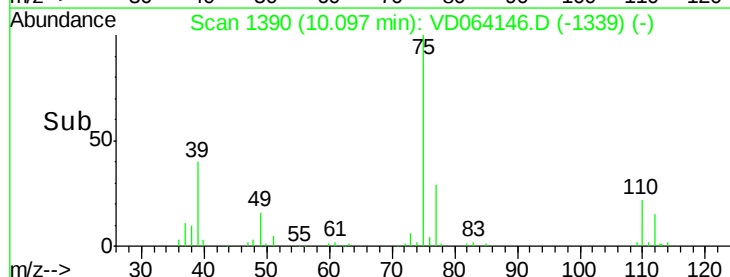
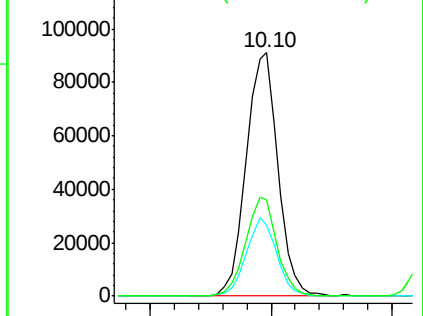
39 39.4 32.7 49.1

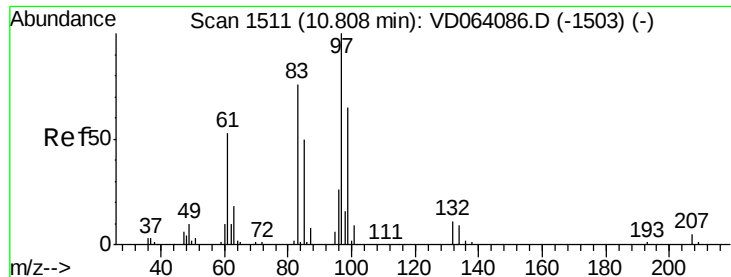


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





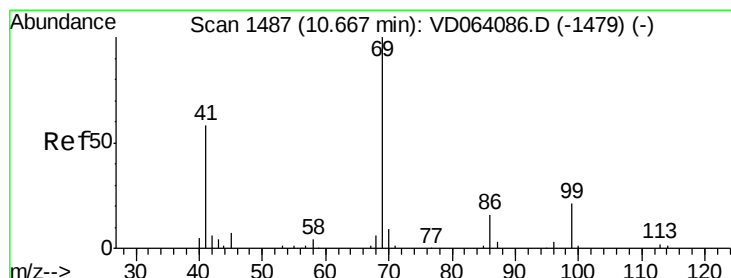
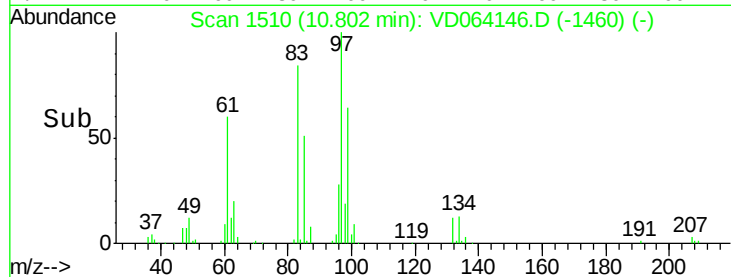
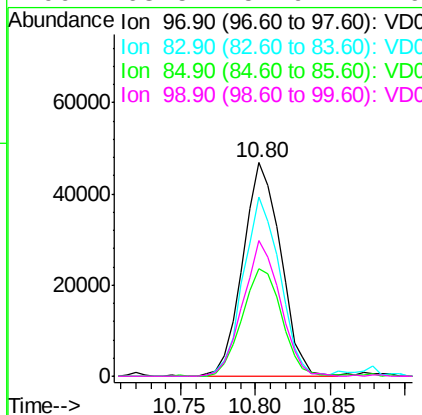
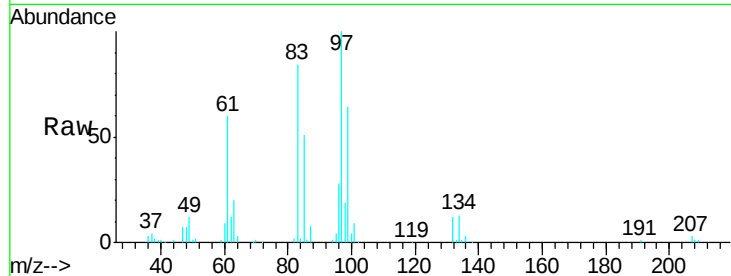
#55  
 1,1,2-Trichloroethane  
 Concen: 51.733 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.01 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 83.8  | 60.9  | 91.3  |
| 85      | 50.6  | 40.2  | 60.2  |
| 99      | 63.5  | 51.9  | 77.9  |

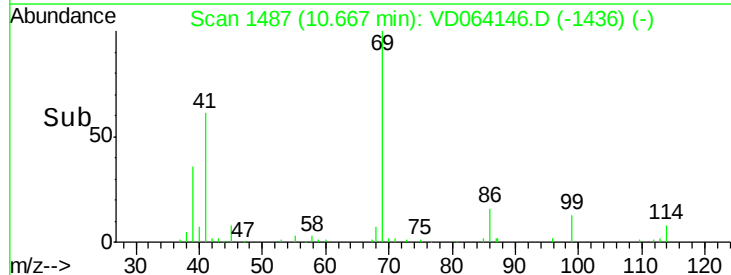
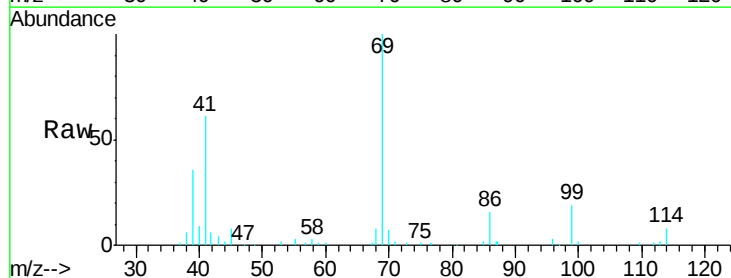
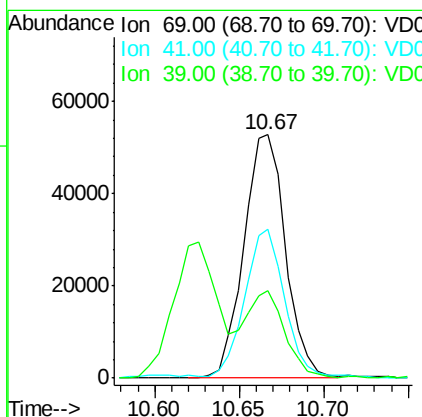
Manual Integrations  
 APPROVED

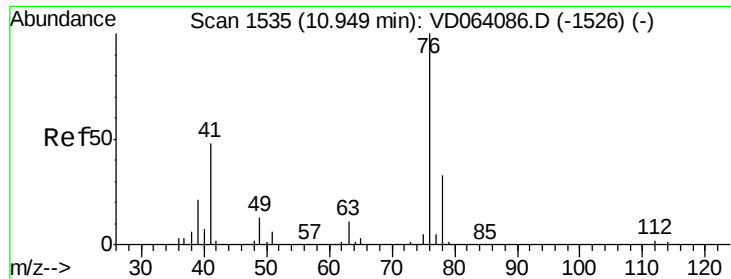
MMDadoda  
 11/4/2019 11:50:53 AM



#56  
 Ethyl methacrylate  
 Concen: 47.038 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 59.5  | 46.9  | 70.3  |
| 39      | 30.7  | 27.3  | 40.9  |





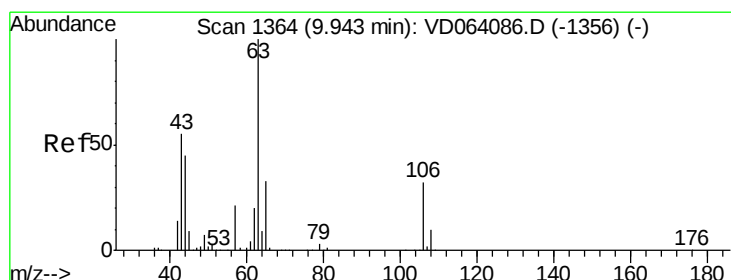
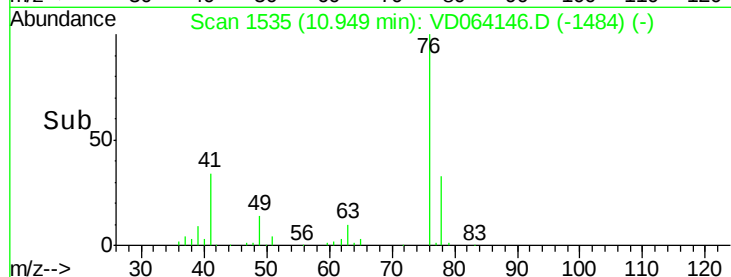
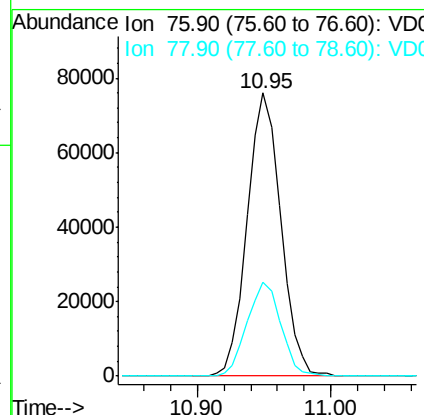
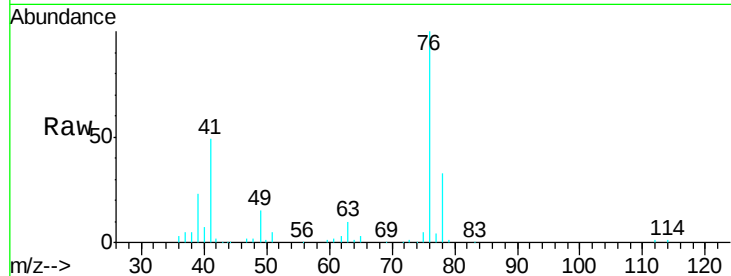
#57  
 1,3-Dichloropropane  
 Concen: 50.110 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 76 Resp: 132010  
 Ion Ratio Lower Upper  
 76 100  
 78 33.5 25.9 38.9

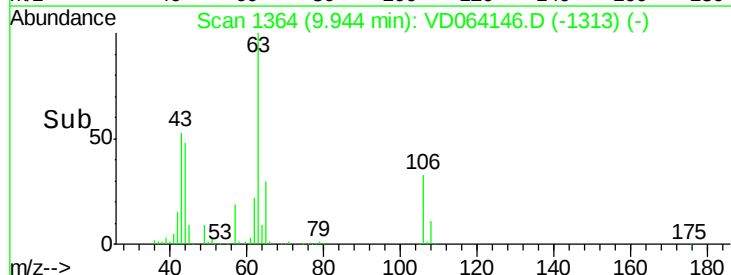
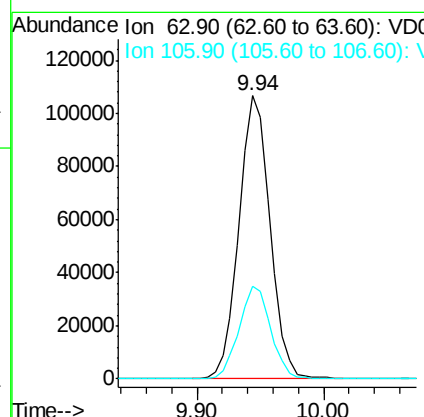
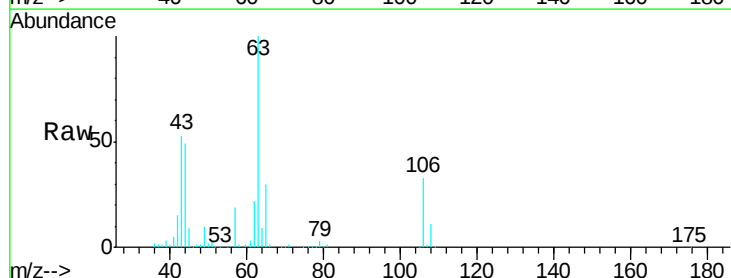
Manual Integrations  
 APPROVED

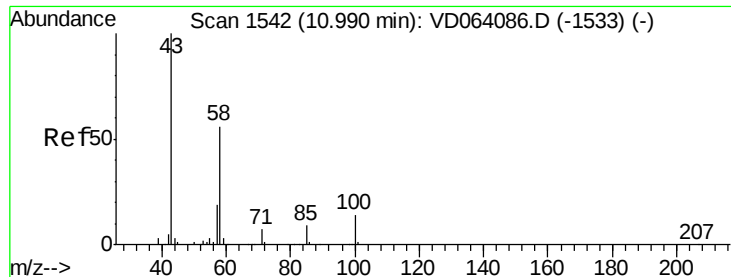
MMDadoda  
 11/4/2019 11:50:53 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 259.153 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Tgt Ion: 63 Resp: 180855  
 Ion Ratio Lower Upper  
 63 100  
 106 33.3 25.8 38.8





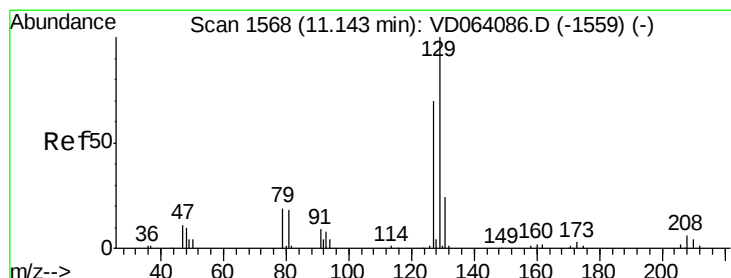
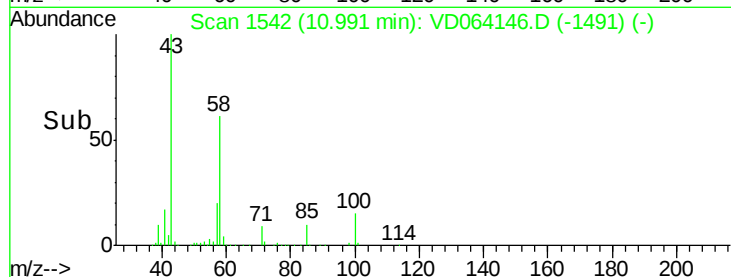
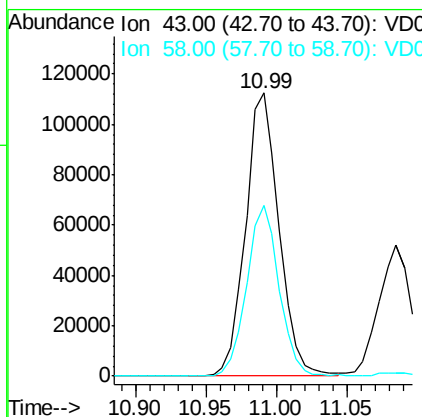
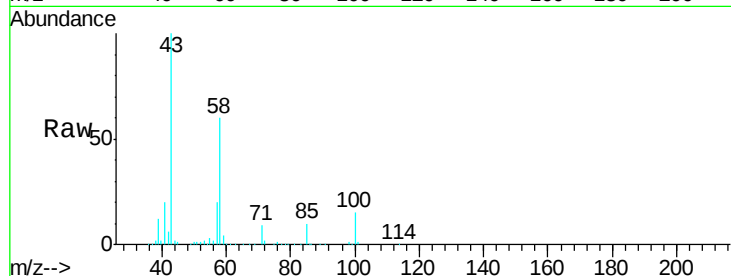
#59  
2-Hexanone  
Concen: 239.475 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 187344  
Ion Ratio Lower Upper  
43 100  
58 58.4 29.2 87.6

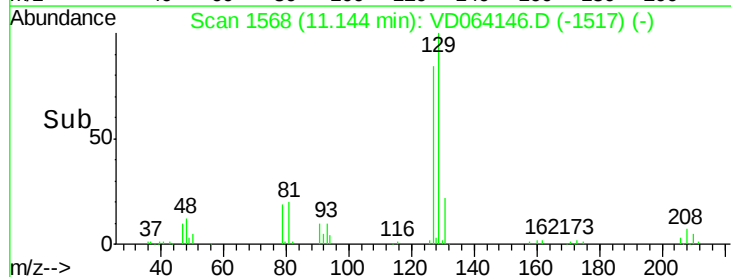
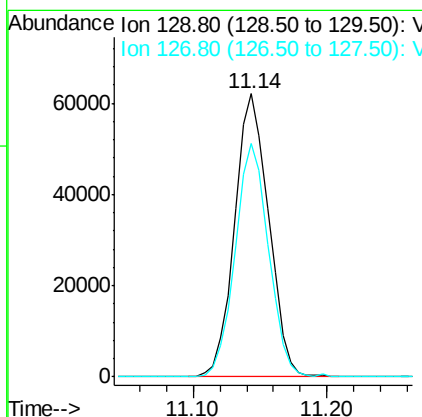
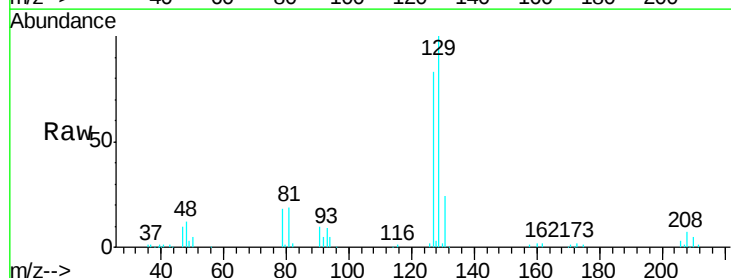
Manual Integrations  
APPROVED

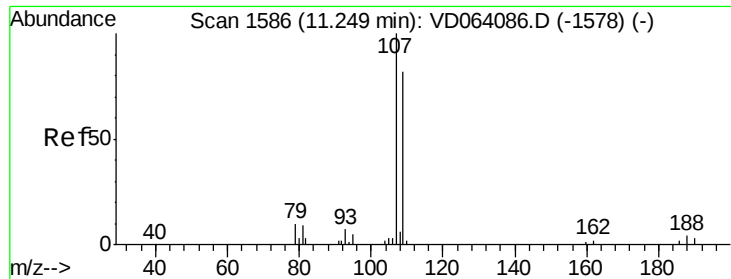
MMDadoda  
11/4/2019 11:50:53 AM



#60  
Dibromochloromethane  
Concen: 50.779 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 129 Resp: 109788  
Ion Ratio Lower Upper  
129 100  
127 80.8 38.3 114.8





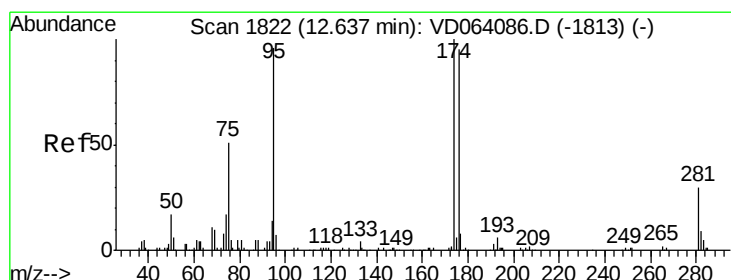
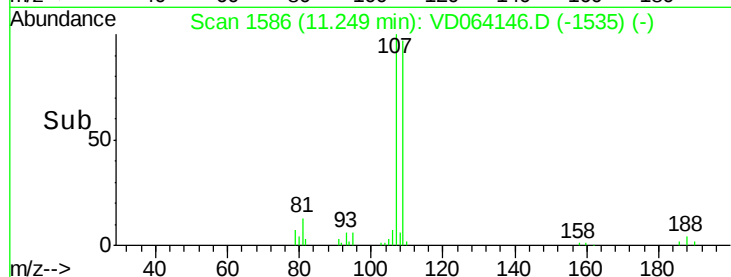
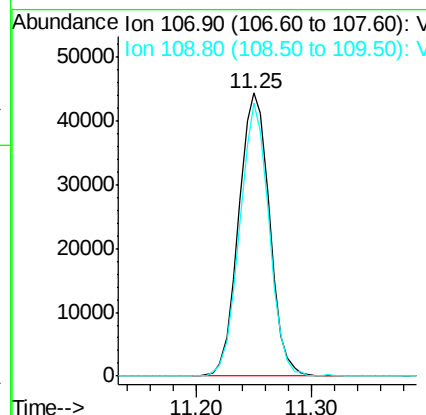
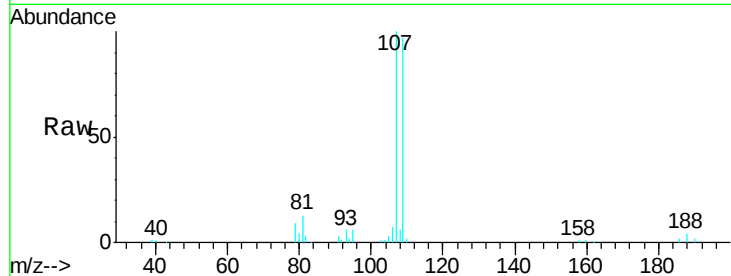
#61  
1,2-Dibromoethane  
Concen: 51.431 ug/l  
RT: 11.25 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 107 Resp: 81939  
Ion Ratio Lower Upper  
107 100  
109 91.8 73.0 109.4

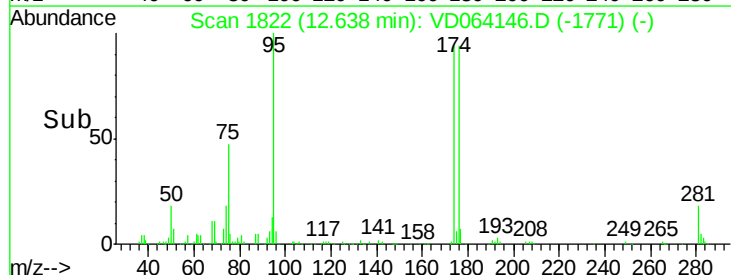
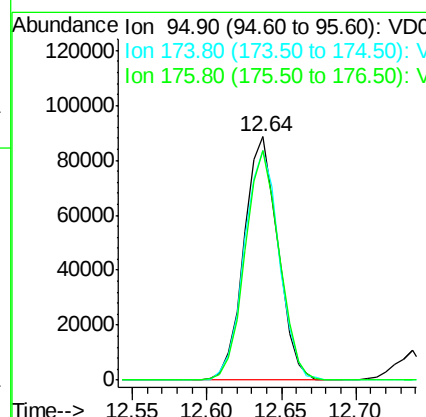
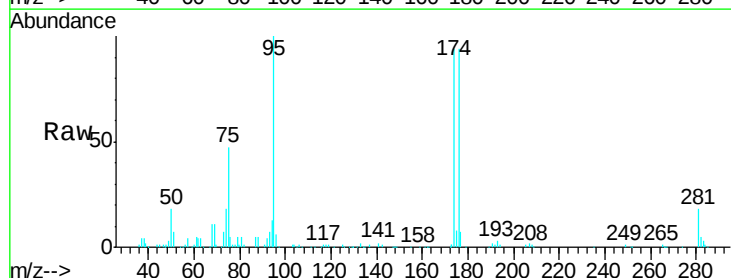
Manual Integrations  
APPROVED

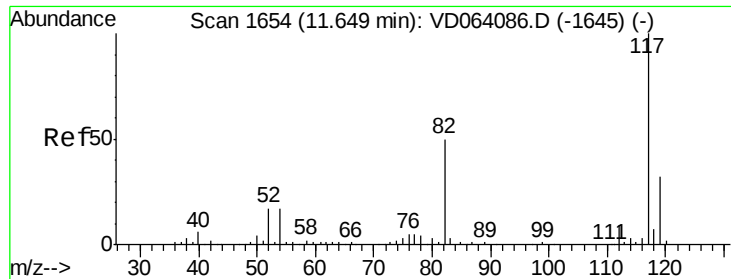
MMDadoda  
11/4/2019 11:50:53 AM



#62  
4-Bromofluorobenzene  
Concen: 54.193 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 95 Resp: 139256  
Ion Ratio Lower Upper  
95 100  
174 97.2 0.0 201.6  
176 95.2 0.0 192.6





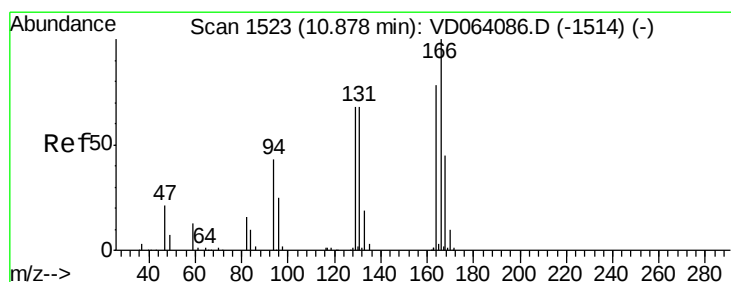
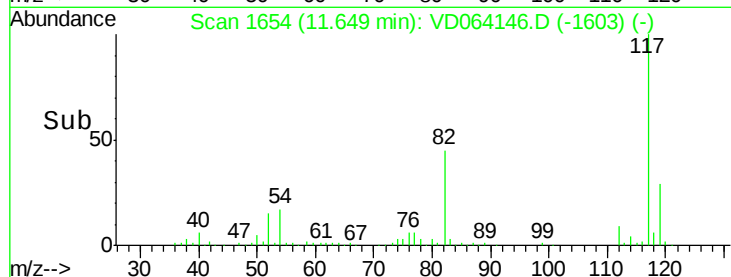
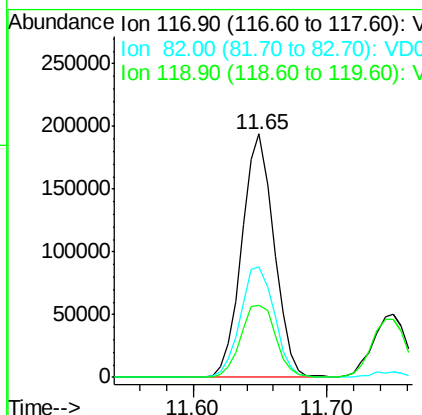
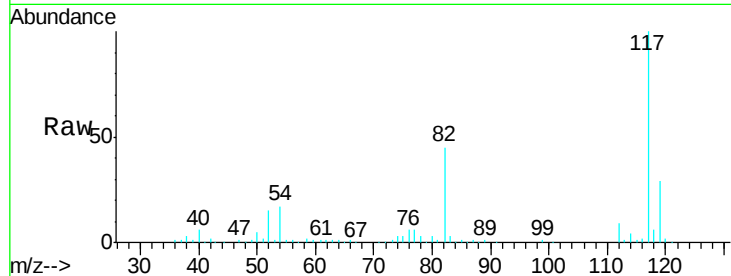
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 45.2  | 40.2  | 60.4  |
| 119     | 29.4  | 26.0  | 39.0  |

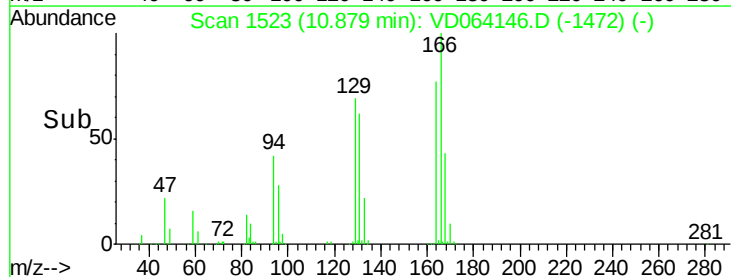
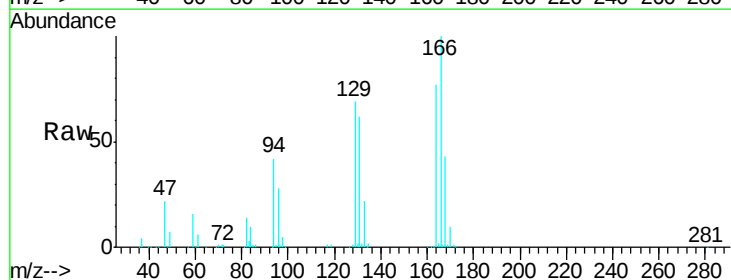
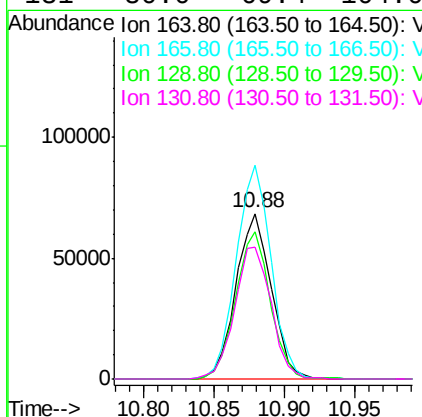
Manual Integrations  
APPROVED

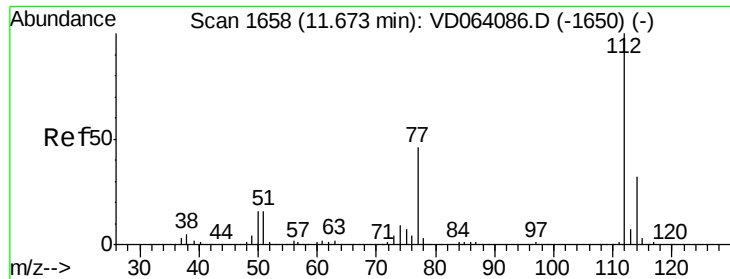
MMDadoda  
11/4/2019 11:50:53 AM



#64  
Tetrachloroethene  
Concen: 51.443 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.1 | 102.7 | 154.1 |
| 129     | 88.6  | 69.8  | 104.6 |
| 131     | 80.0  | 69.4  | 104.0 |





#65

Chlorobenzene

Concen: 51.222 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 342666

Ion Ratio Lower Upper

112 100

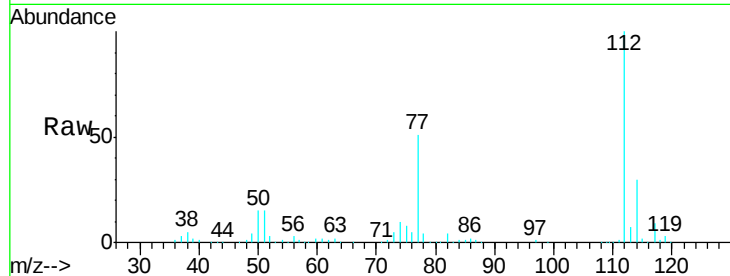
114 30.2 25.4 38.0

Manual Integrations

APPROVED

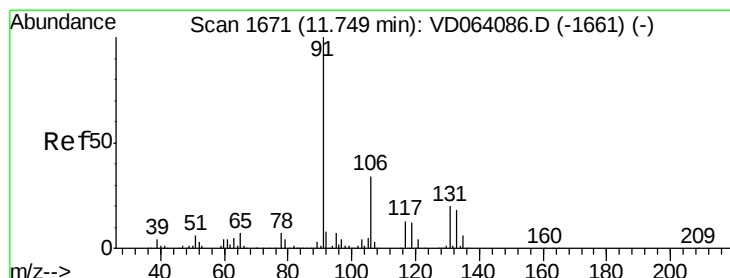
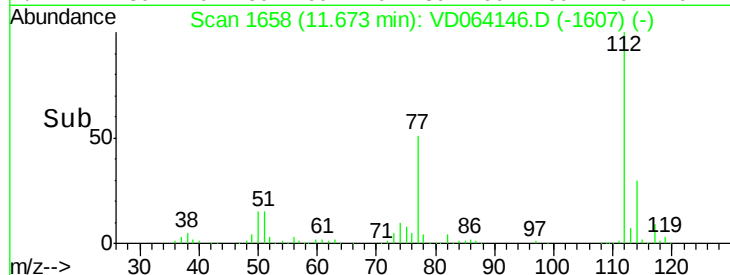
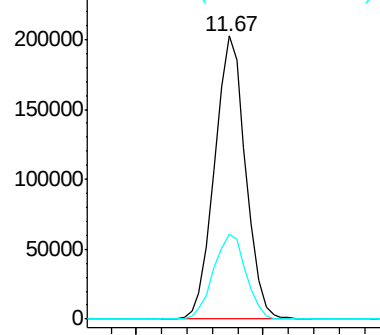
MMDadoda

11/4/2019 11:50:53 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.976 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

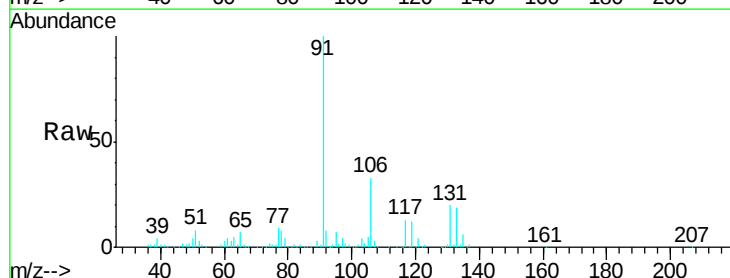
Tgt Ion:131 Resp: 127603

Ion Ratio Lower Upper

131 100

133 98.7 47.6 142.9

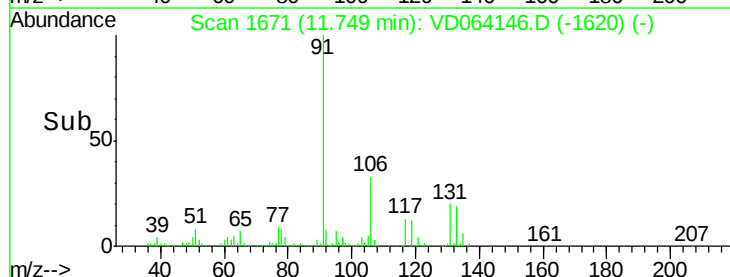
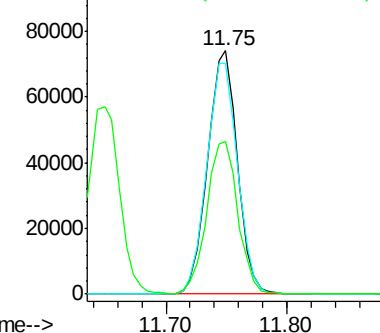
119 65.9 31.4 94.3

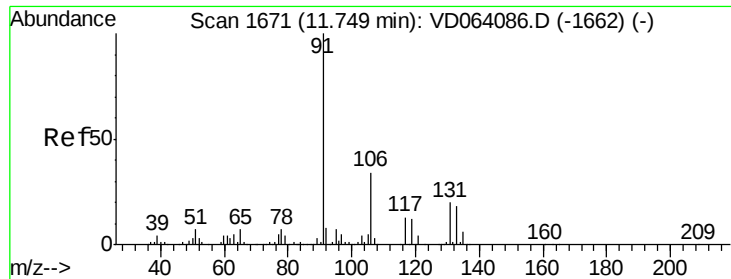


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





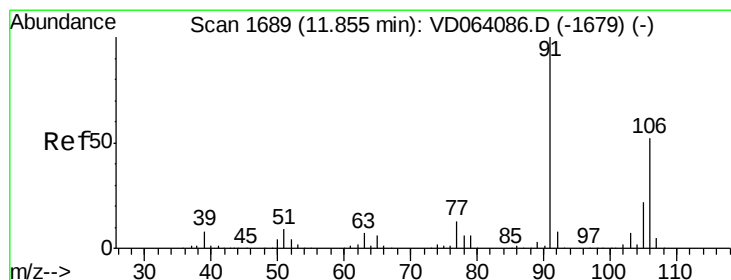
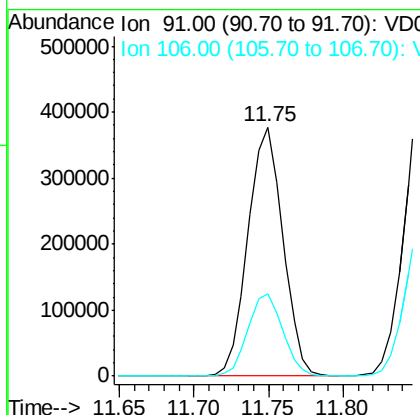
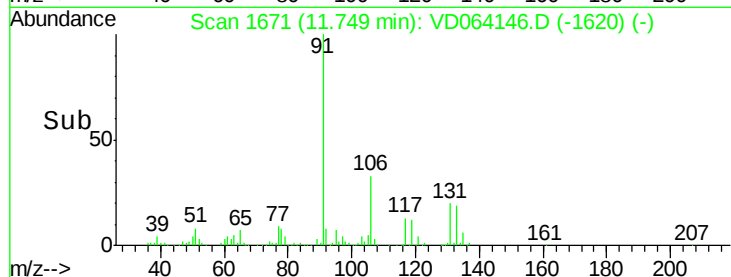
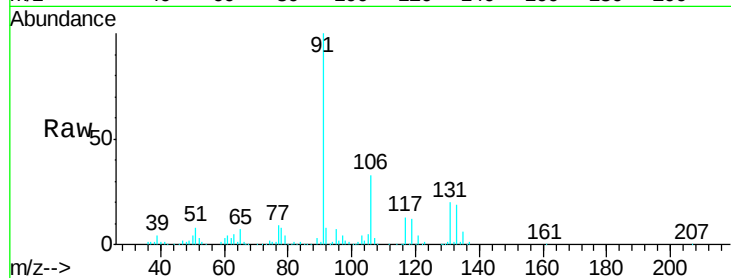
#67  
Ethyl Benzene  
Concen: 51.467 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 612397  
Ion Ratio Lower Upper  
91 100  
106 33.0 27.0 40.6

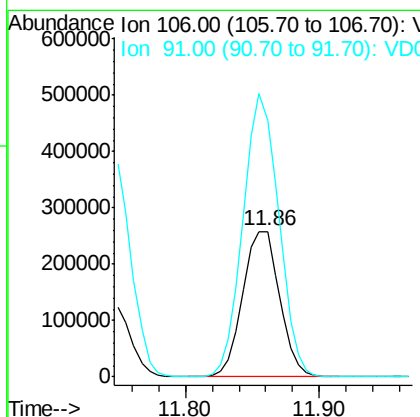
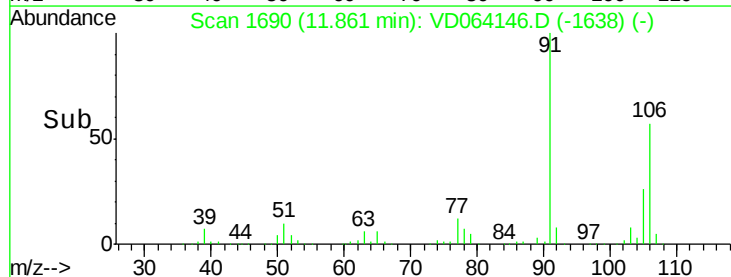
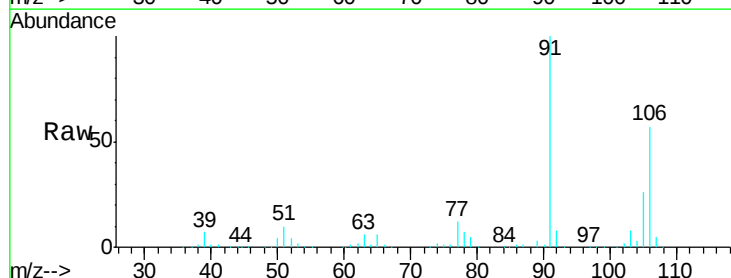
Manual Integrations  
APPROVED

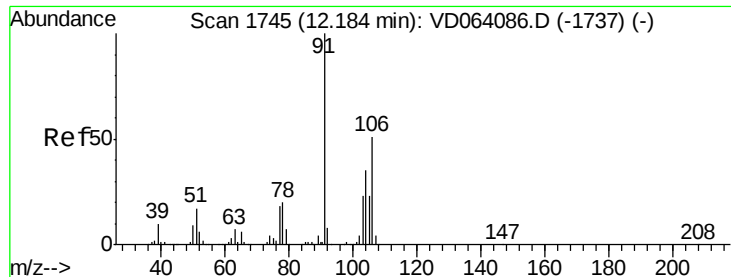
MMDadoda  
11/4/2019 11:50:53 AM



#68  
m/p-Xylenes  
Concen: 103.345 ug/l  
RT: 11.86 min Scan# 1690  
Delta R.T. 0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 106 Resp: 494613  
Ion Ratio Lower Upper  
106 100  
91 189.0 154.0 231.0





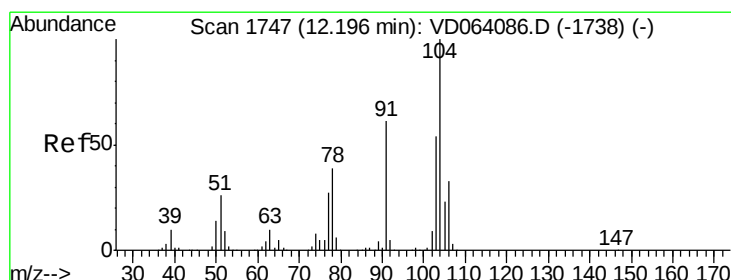
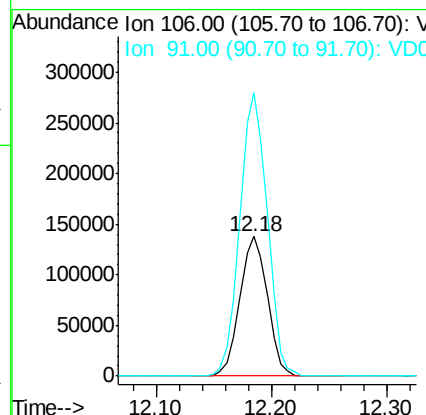
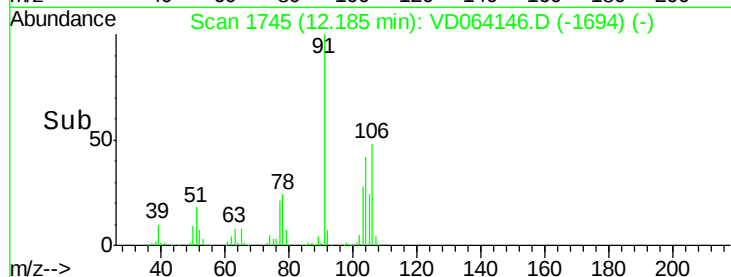
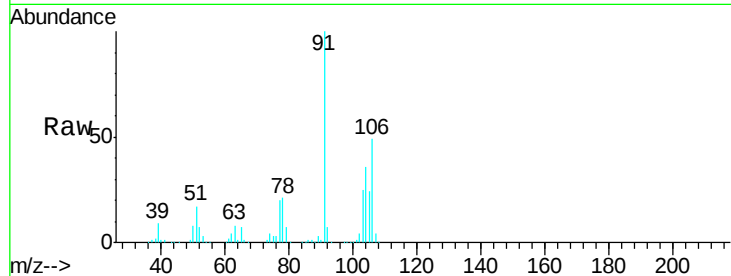
#69  
o-Xylene  
Concen: 52.292 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion:106 Resp: 228405  
Ion Ratio Lower Upper  
106 100  
91 202.0 100.6 301.9

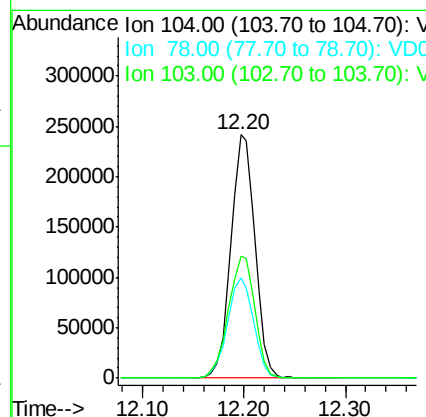
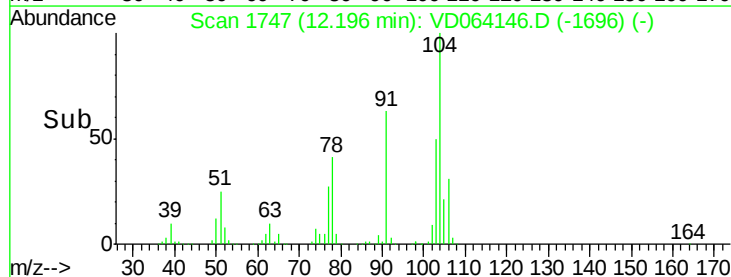
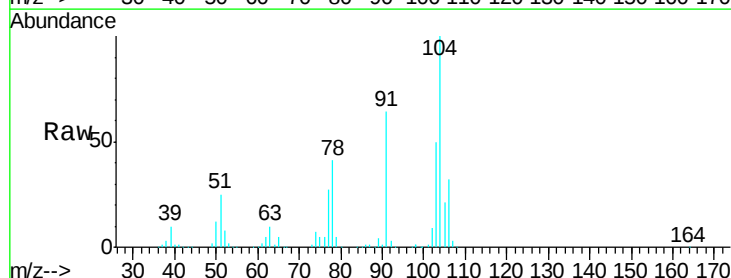
Manual Integrations  
APPROVED

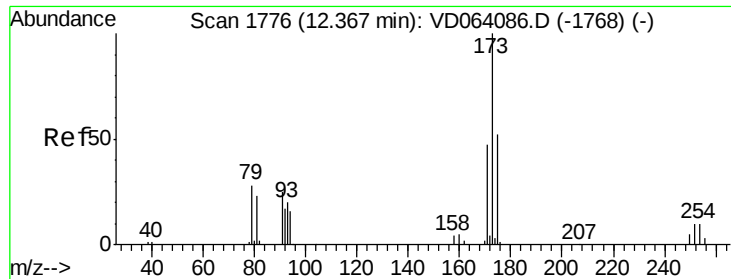
MMDadoda  
11/4/2019 11:50:53 AM



#70  
Styrene  
Concen: 52.818 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion:104 Resp: 397894  
Ion Ratio Lower Upper  
104 100  
78 44.7 34.6 51.8  
103 55.1 44.2 66.2





#71

Bromoform

Concen: 50.542 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

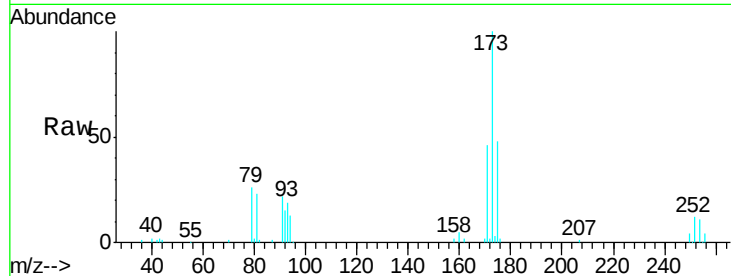
ClientSampleId :

VSTDCCC050

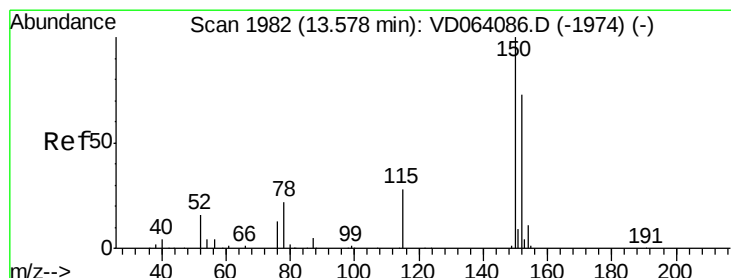
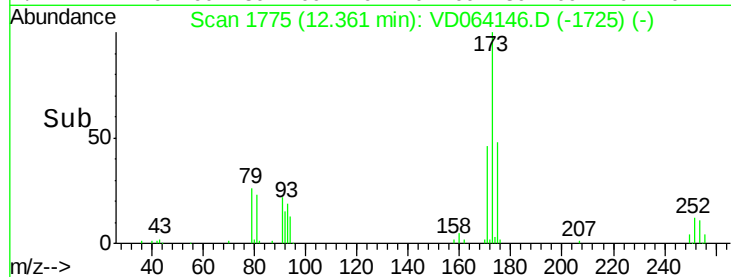
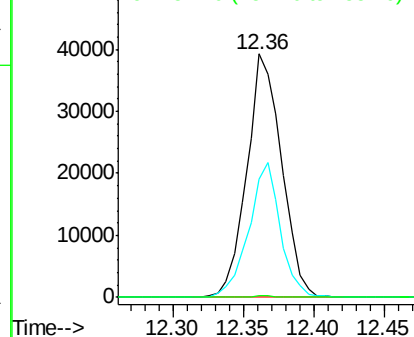
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.3  | 24.3  | 72.9  |
| 254     | 0.2   | 0.0   | 0.0   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

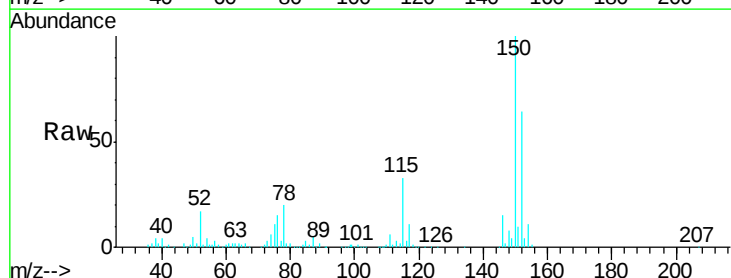
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

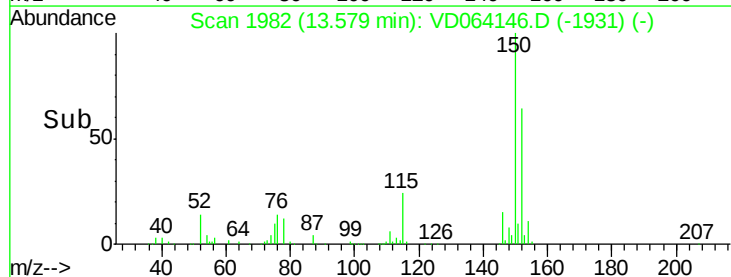
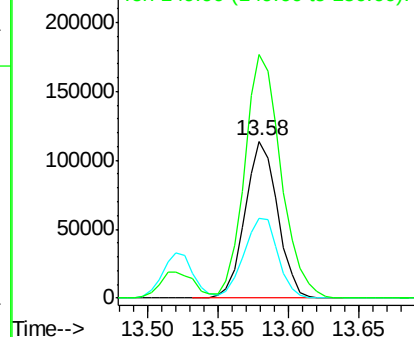
Lab File: VD064146.D

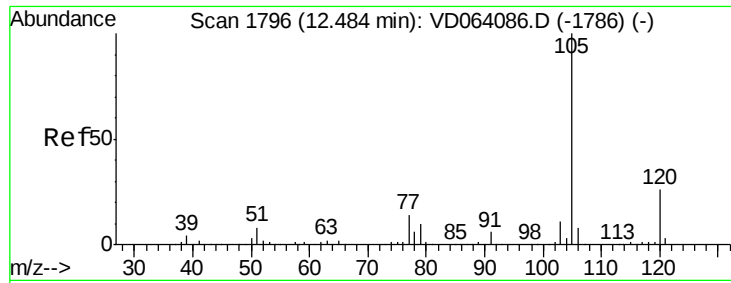
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.4  | 26.2  | 78.6  |
| 150     | 174.1 | 0.0   | 338.8 |



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: 50.119 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 639240

Ion Ratio Lower Upper

105 100

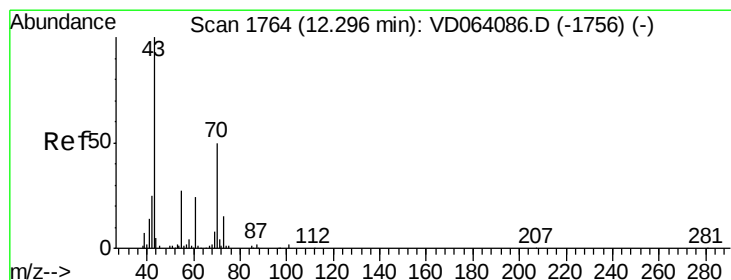
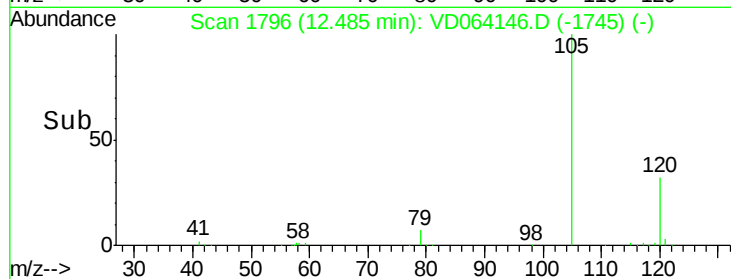
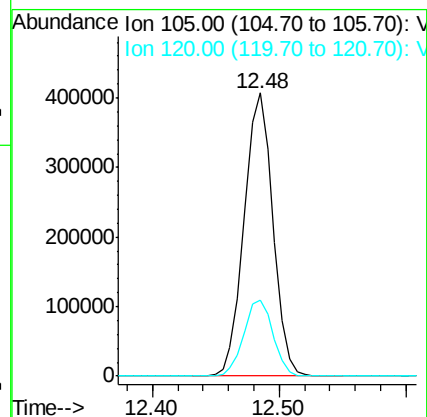
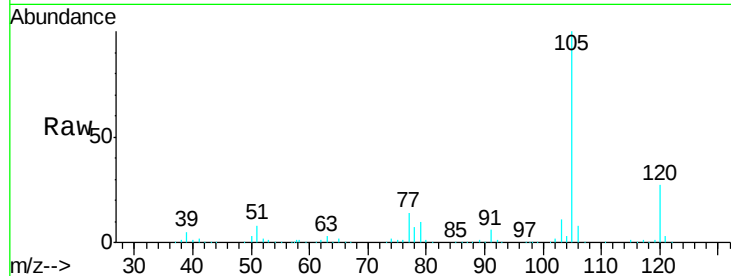
120 27.4 13.3 39.9

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11/4/2019 11:50:53 AM



#74

N-ethyl acetate

Concen: 45.797 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Tgt Ion: 43 Resp: 97039

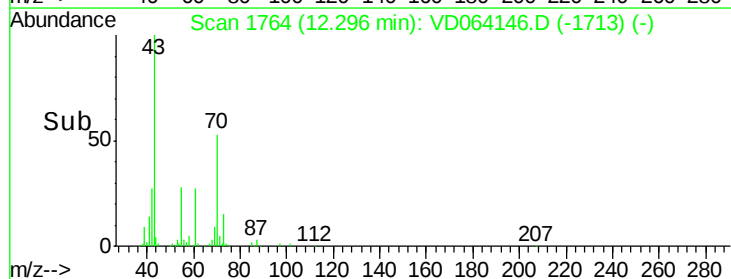
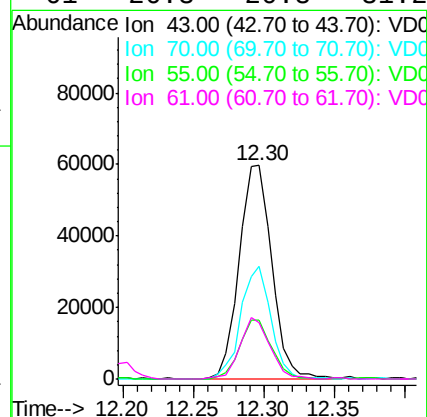
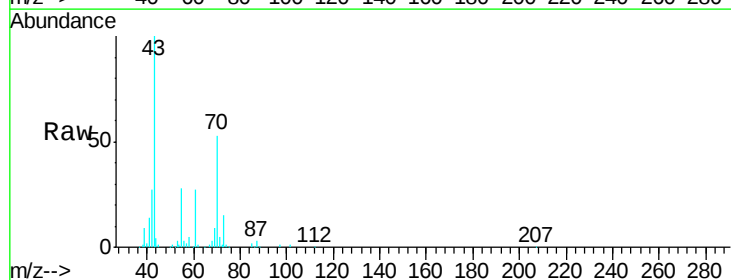
Ion Ratio Lower Upper

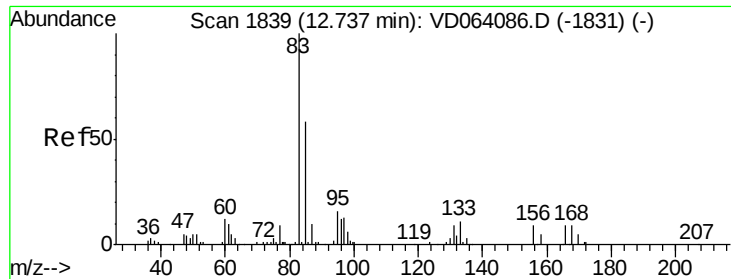
43 100

70 48.3 38.6 58.0

55 26.9 20.4 30.6

61 26.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.981 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

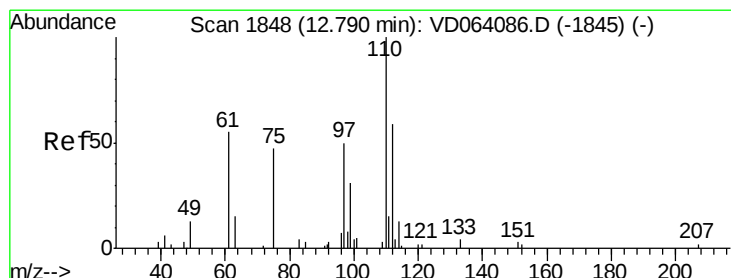
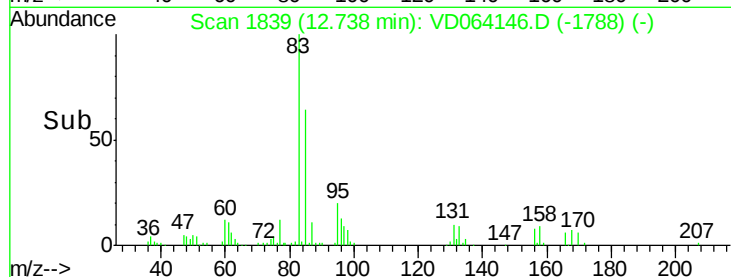
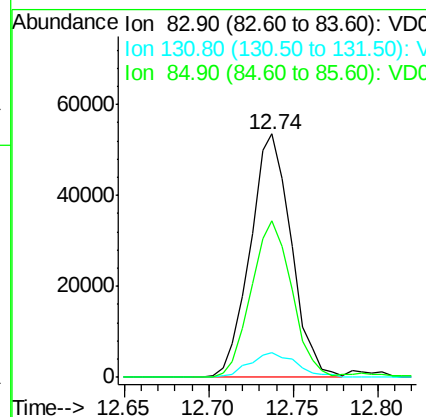
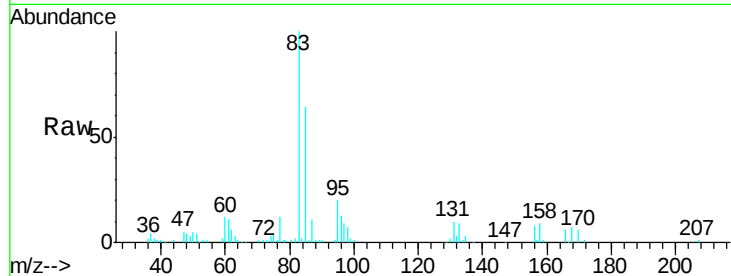
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 90428 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 11.9  | 5.7   | 17.0  |
| 85        | 63.7  | 32.1  | 96.5  |

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#76

1,2,3-Trichloropropane

Concen: 40.130 ug/l m

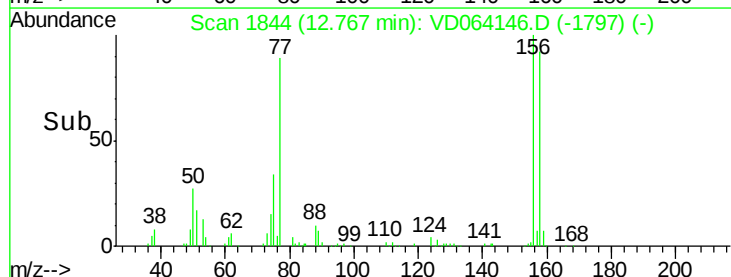
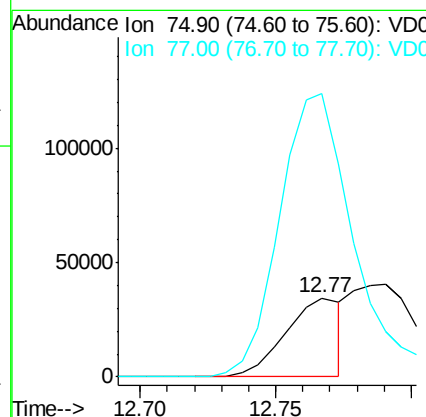
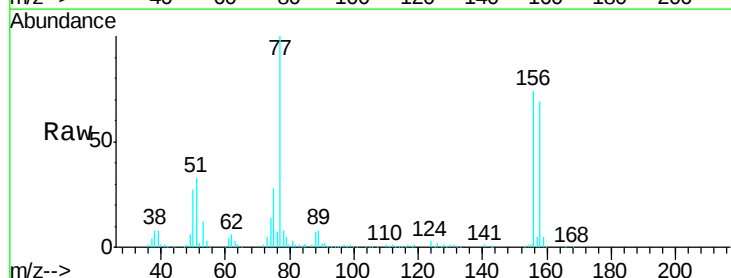
RT: 12.77 min Scan# 1844

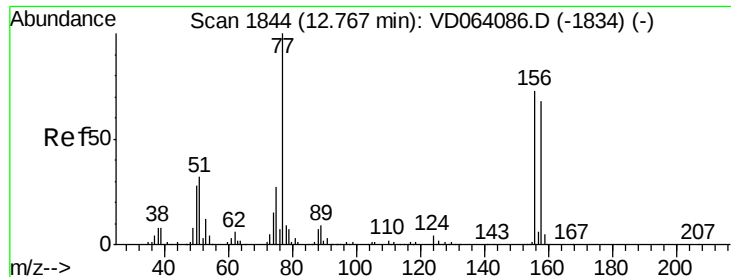
Delta R.T. -0.02 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 49493 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 49.716 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

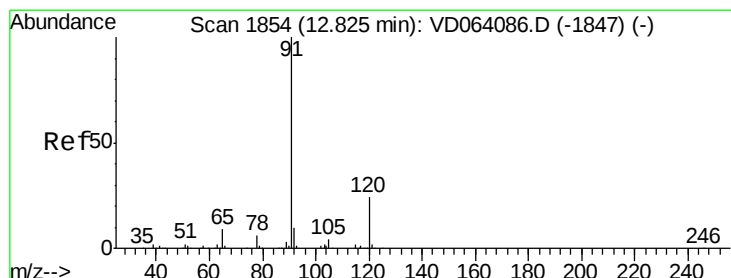
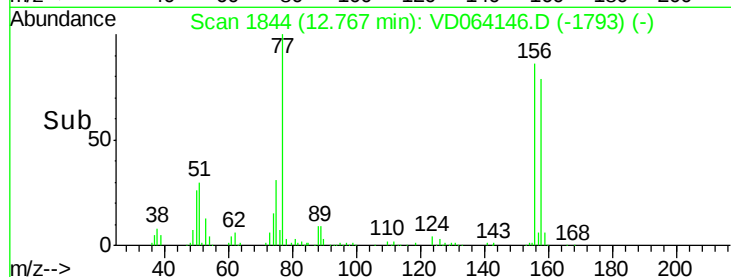
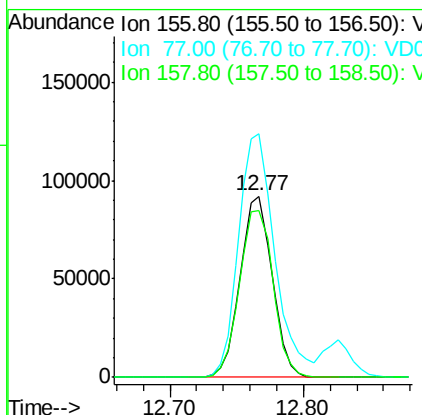
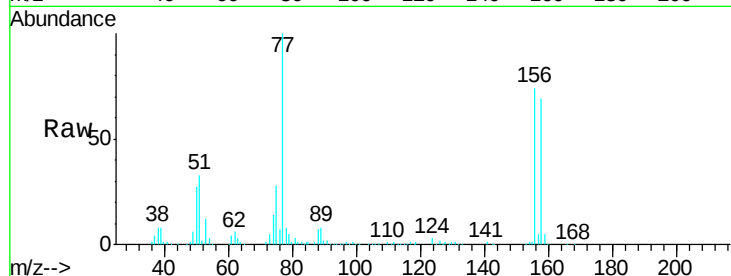
ClientSampleId :

VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 152.5 | 76.0  | 228.0 |
| 158     | 96.9  | 47.6  | 142.8 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 50.456 ug/l

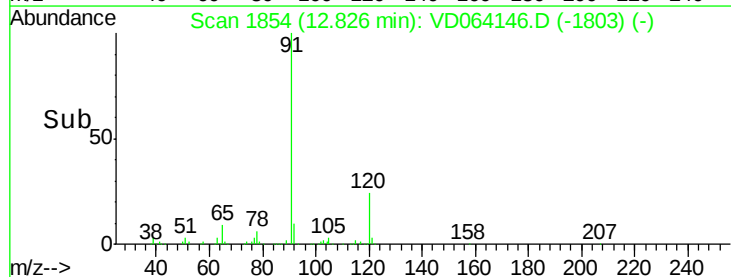
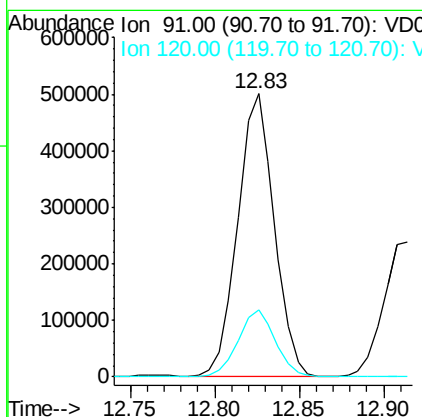
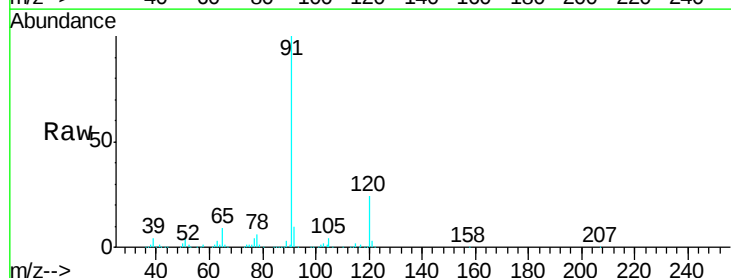
RT: 12.83 min Scan# 1854

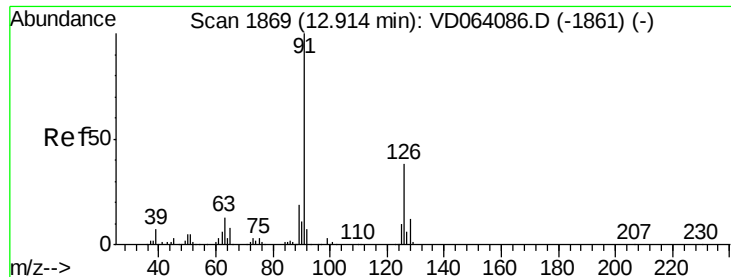
Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.2  | 12.1  | 36.3  |





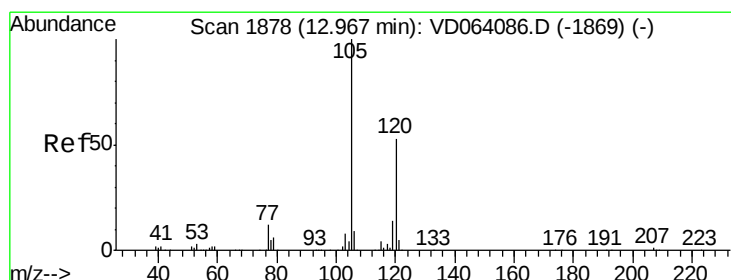
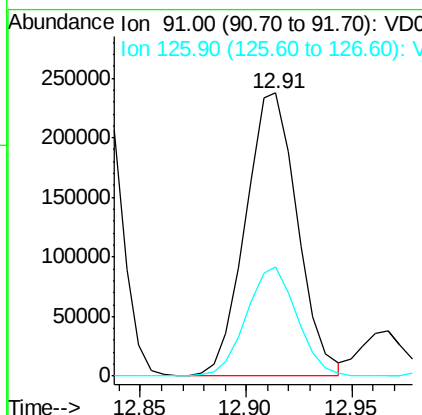
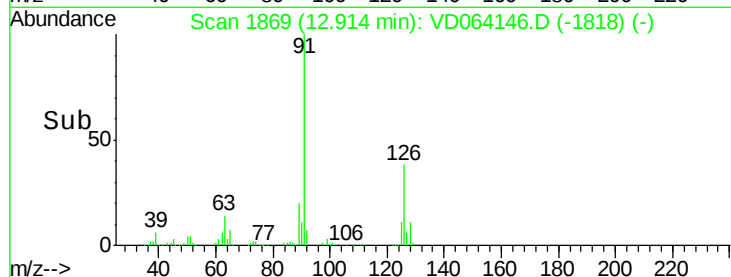
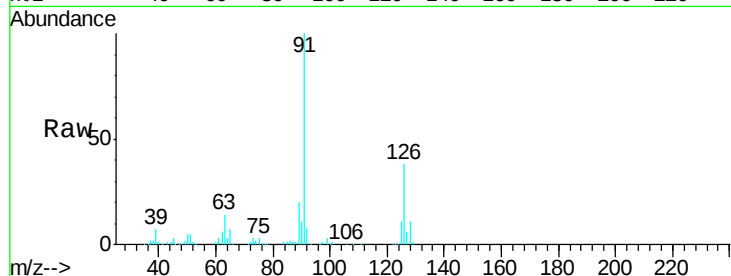
#79  
2-Chlorotoluene  
Concen: 50.614 ug/l  
RT: 12.91 min Scan# 1869  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 405529  
Ion Ratio Lower Upper  
91 100  
126 37.6 19.1 57.1

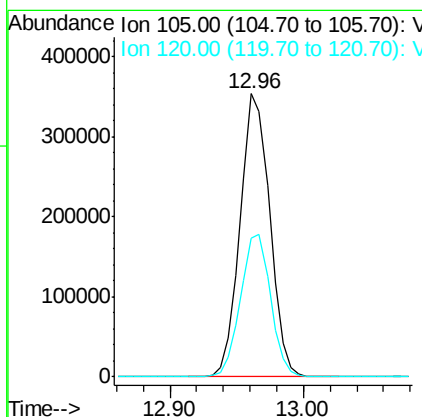
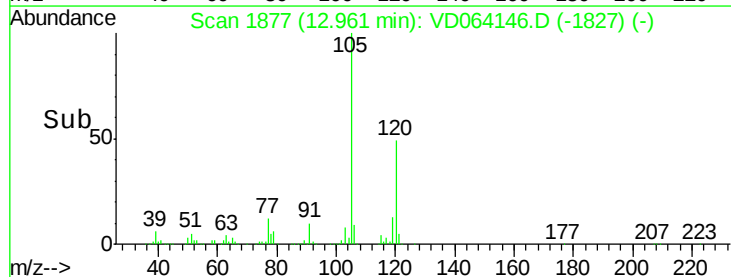
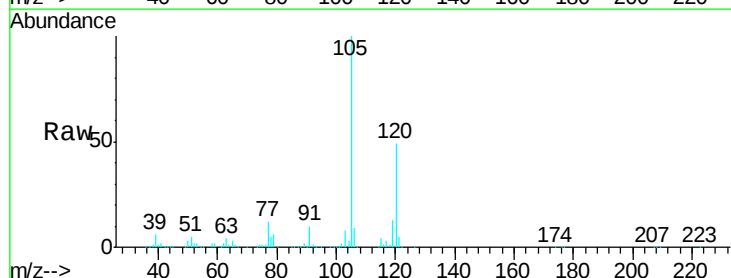
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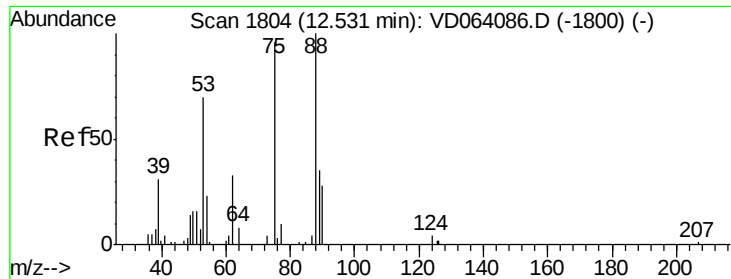
MMDadoda  
11/4/2019 11:50:53 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 50.941 ug/l  
RT: 12.96 min Scan# 1877  
Delta R.T. -0.01 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Tgt Ion: 105 Resp: 543772  
Ion Ratio Lower Upper  
105 100  
120 50.8 25.8 77.4





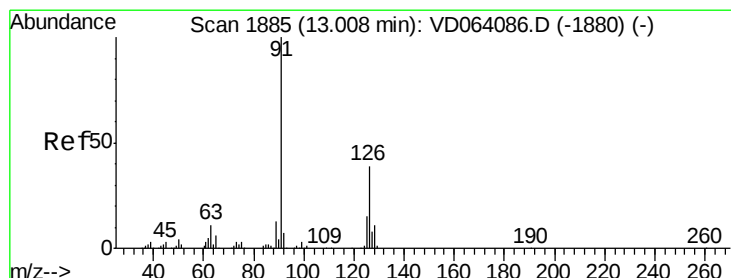
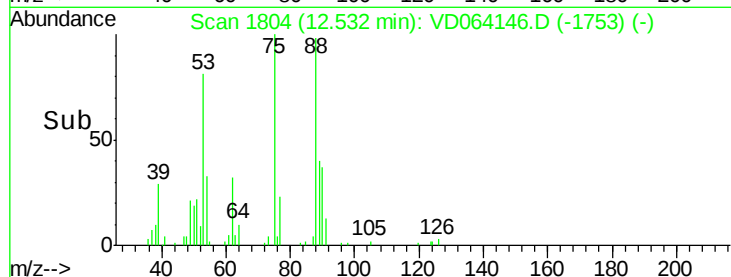
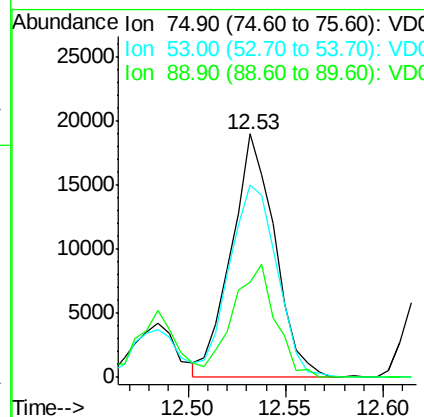
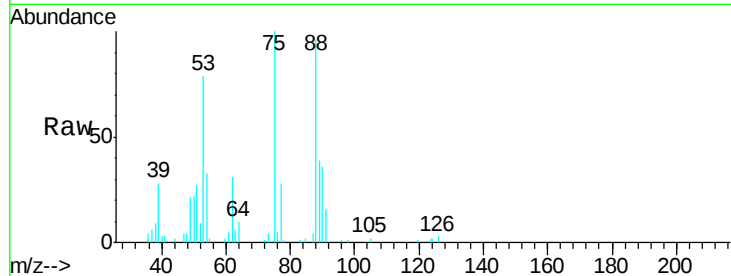
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.497 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.2  | 68.6  | 103.0 |
| 89      | 45.5  | 36.9  | 55.3  |

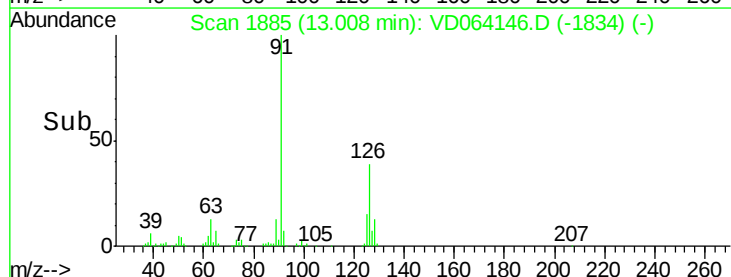
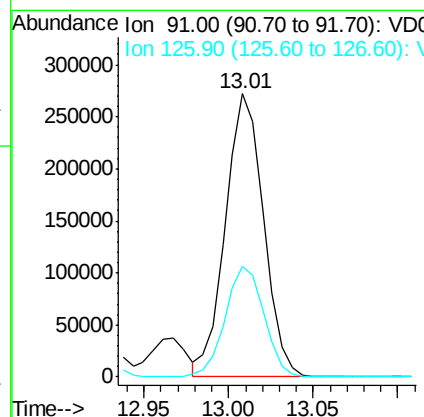
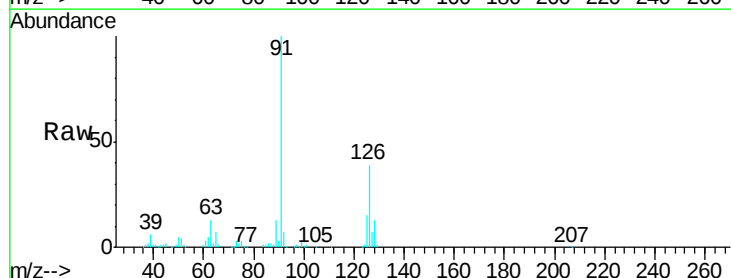
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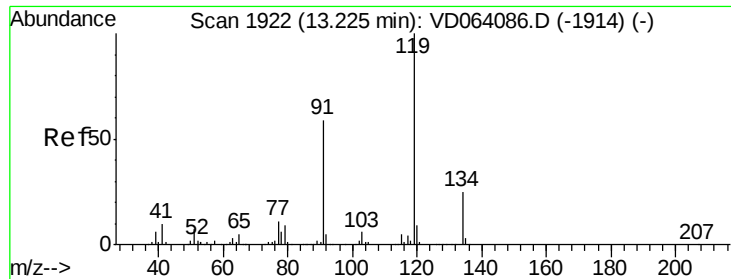
MMDadoda  
11/4/2019 11:50:53 AM



#82  
4-Chlorotoluene  
Concen: 49.867 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 39.7  | 18.9  | 56.5  |





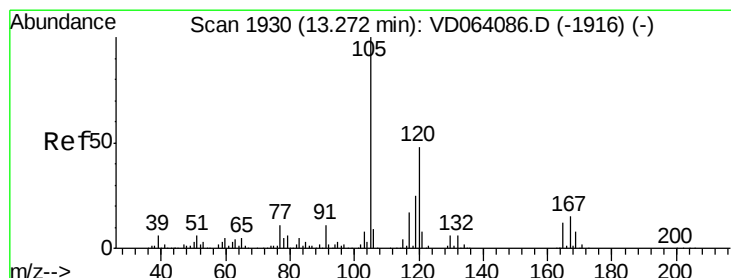
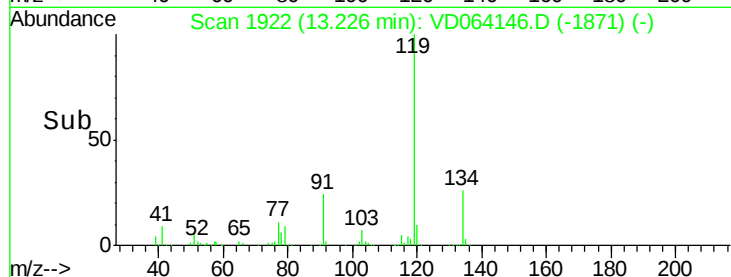
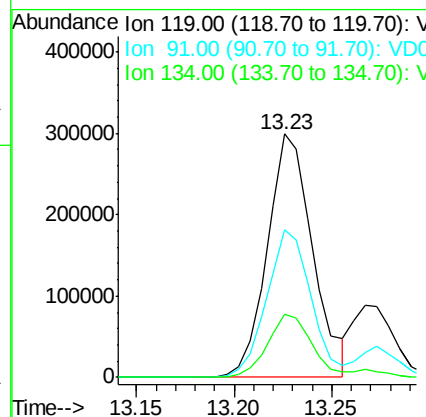
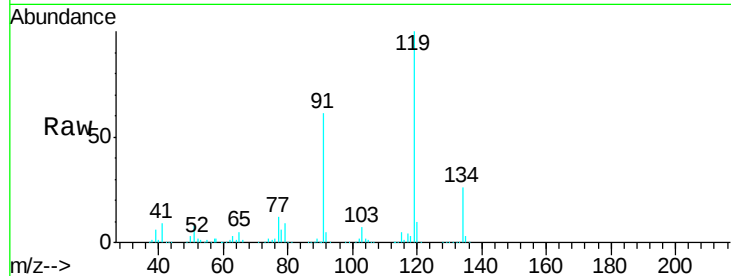
#83  
 tert-Butylbenzene  
 Concen: 50.193 ug/l  
 RT: 13.23 min Scan# 1922  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 481229 |       |       |
| 91      | 59.1  | 28.3   | 85.0  |       |
| 134     | 25.7  | 12.9   | 38.6  |       |

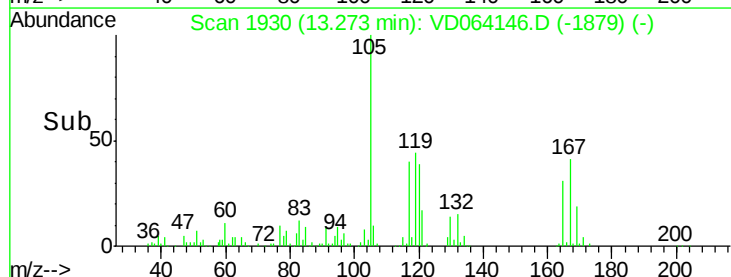
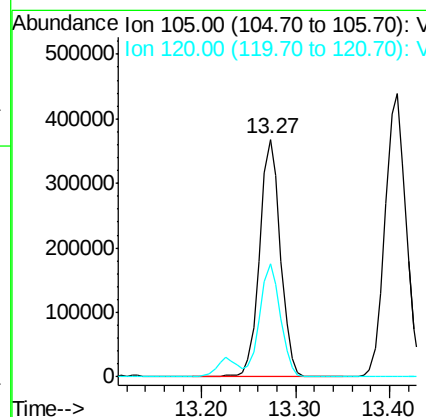
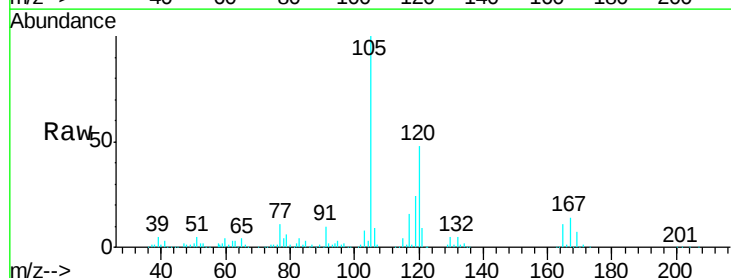
Manual Integrations  
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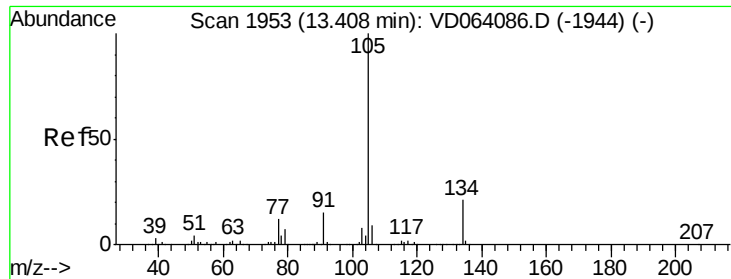
MMDadoda  
 11/4/2019 11:50:53 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.581 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 563843 |       |       |
| 120     | 47.6  | 24.1   | 72.4  |       |





#85

sec-Butylbenzene

Concen: 51.308 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 675536

Ion Ratio Lower Upper

105 100

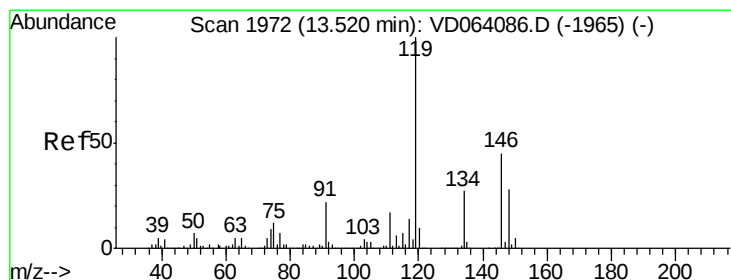
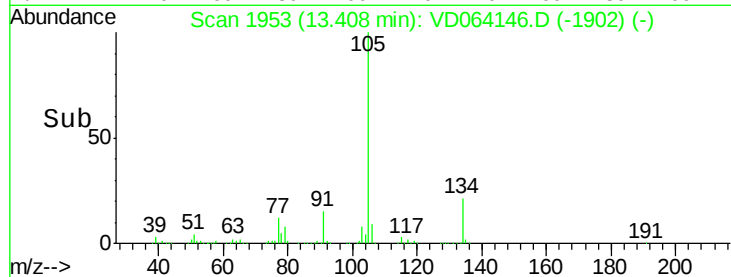
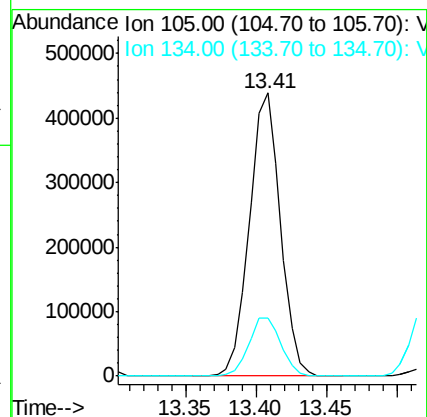
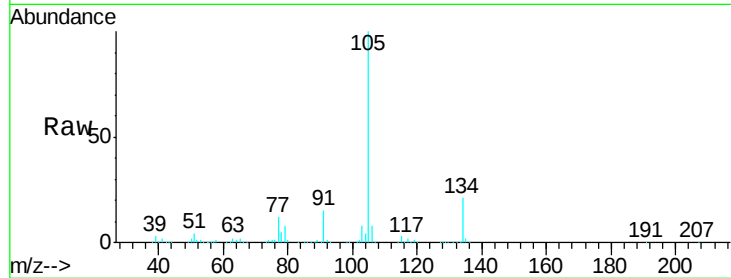
134 21.6 10.4 31.2

Manual Integrations

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MMDadoda

11/4/2019 11:50:53 AM



#86

p-Isopropyltoluene

Concen: 52.827 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

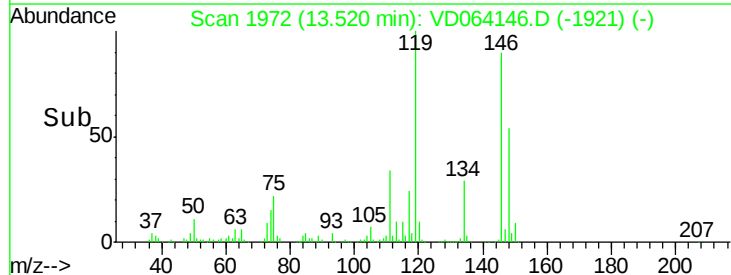
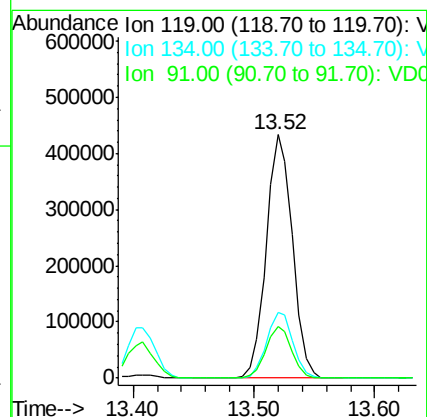
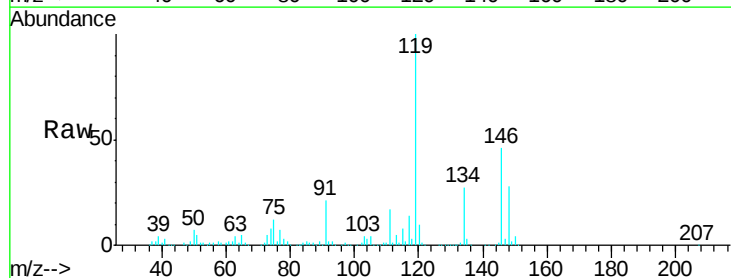
Tgt Ion:119 Resp: 653517

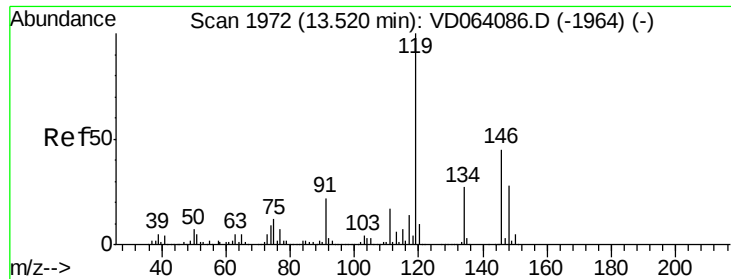
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.8

91 21.1 10.9 32.6





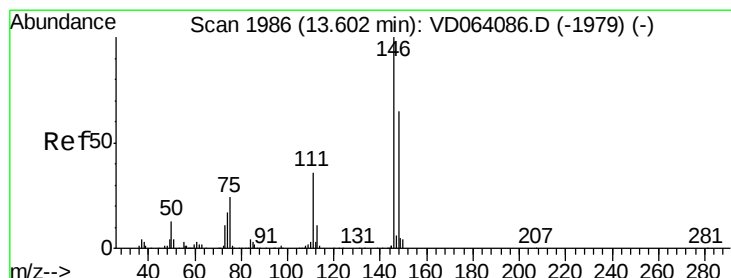
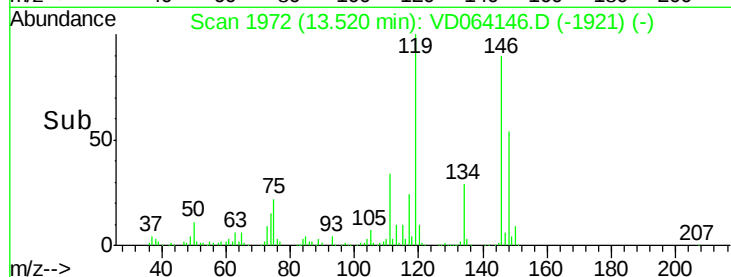
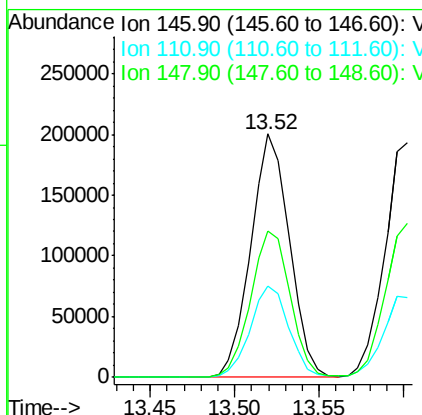
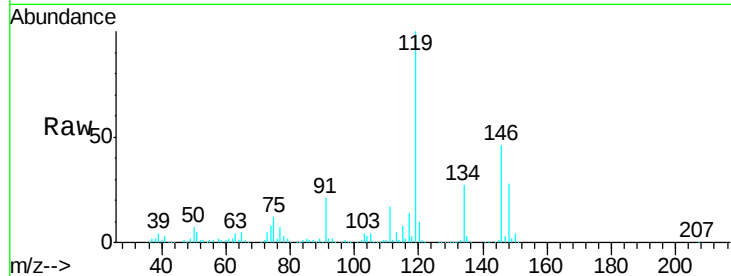
#87  
 1,3-Dichlorobenzene  
 Concen: 51.757 ug/l  
 RT: 13.52 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.9  | 56.9  |
| 148     | 61.6  | 32.1  | 96.3  |

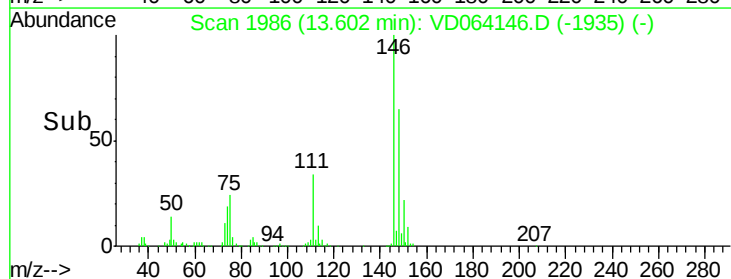
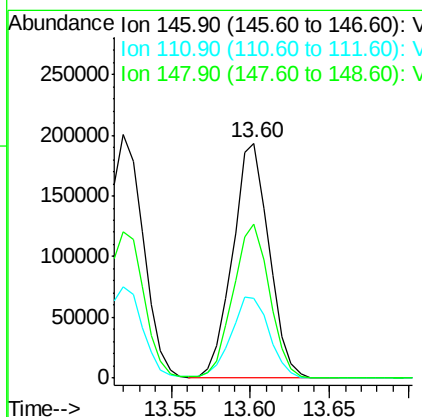
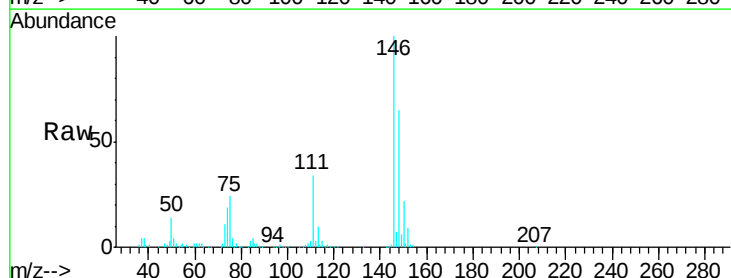
Manual Integrations  
 APPROVED

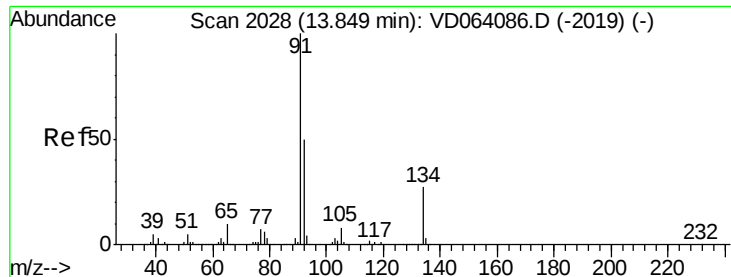
MMDadoda  
 11/4/2019 11:50:53 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 50.887 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.4  | 55.4  |
| 148     | 65.5  | 32.4  | 97.0  |





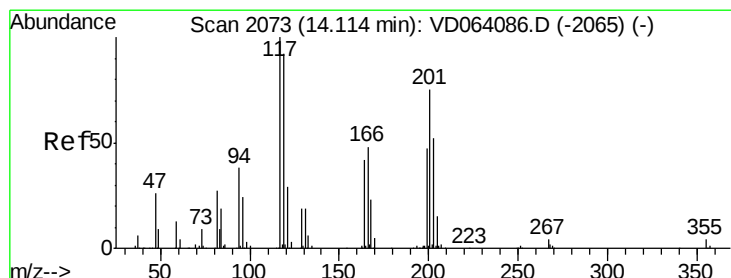
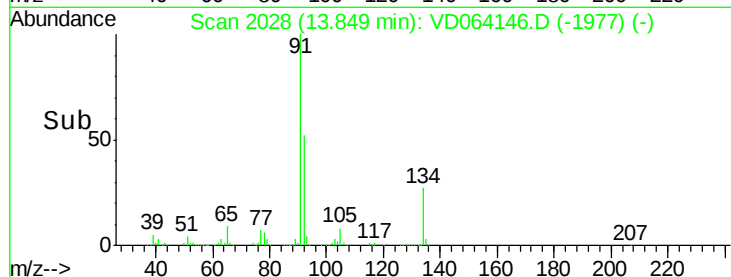
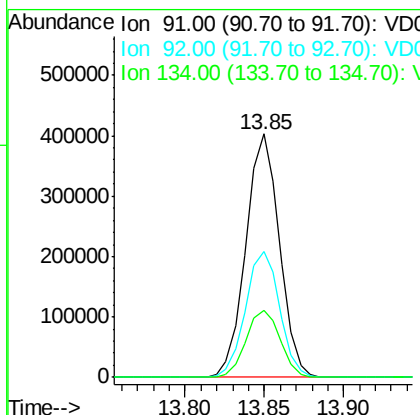
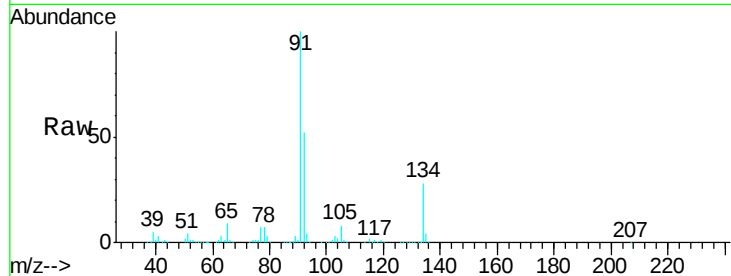
#89  
n-Butylbenzene  
Concen: 52.010 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 25.6  | 76.6  |
| 134     | 28.2  | 14.0  | 42.0  |

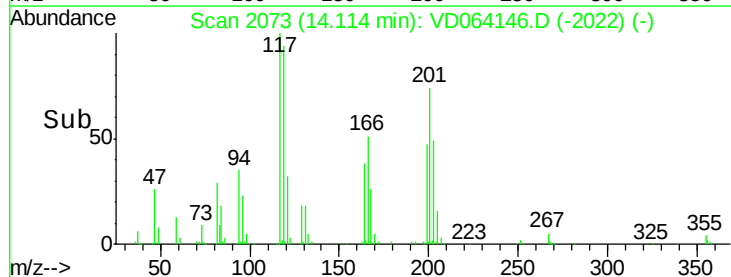
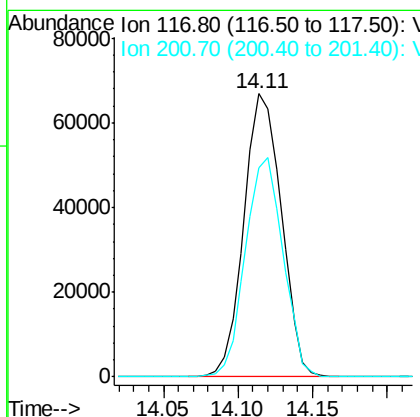
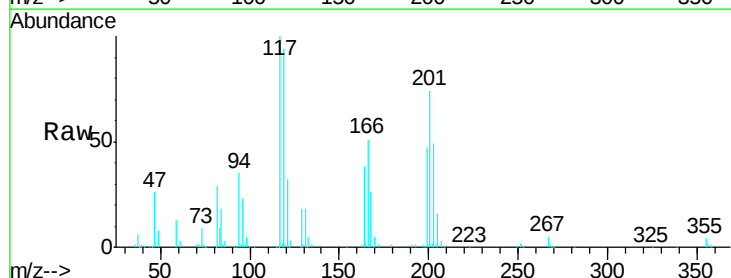
Manual Integrations  
APPROVED

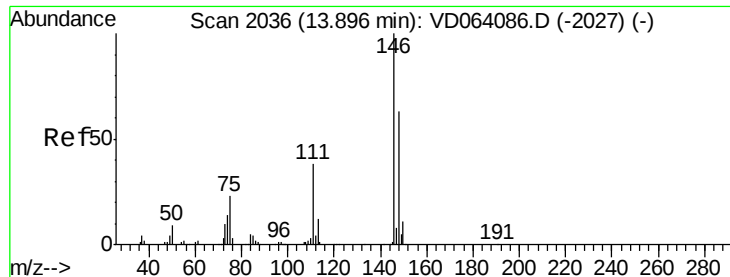
MMDadoda  
11/4/2019 11:50:53 AM



#90  
Hexachloroethane  
Concen: 50.230 ug/l  
RT: 14.11 min Scan# 2073  
Delta R.T. 0.00 min  
Lab File: VD064146.D  
Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 77.8  | 38.4  | 115.2 |





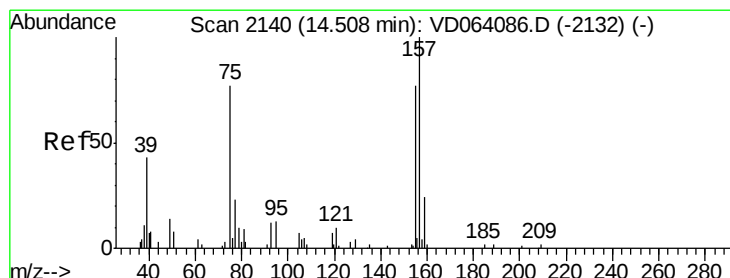
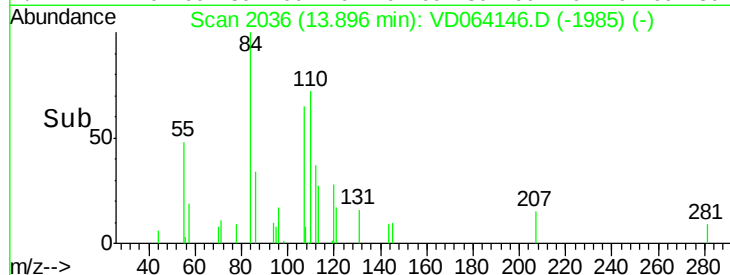
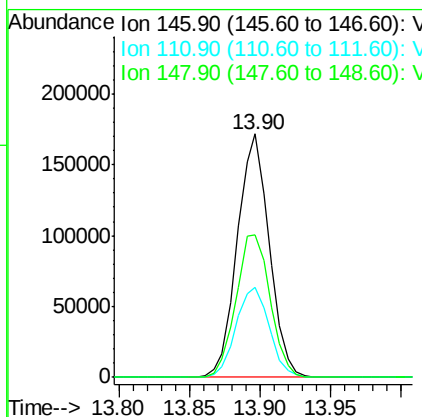
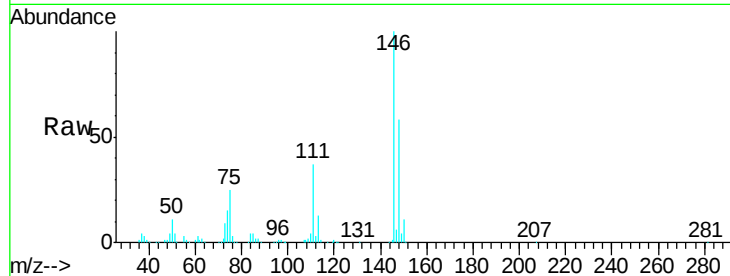
#91  
 1,2-Dichlorobenzene  
 Concen: 51.172 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 271775 |       |       |
| 111     | 38.5  | 19.1   | 57.1  |       |
| 148     | 62.6  | 32.1   | 96.5  |       |

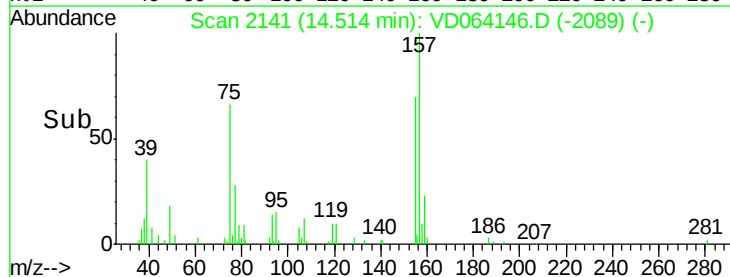
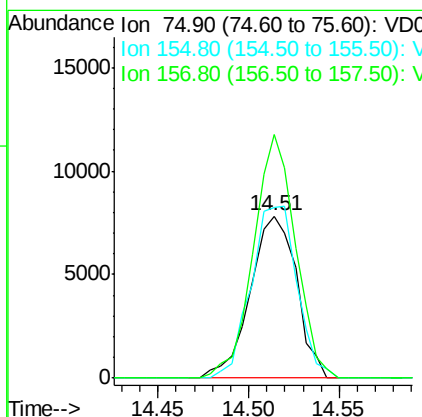
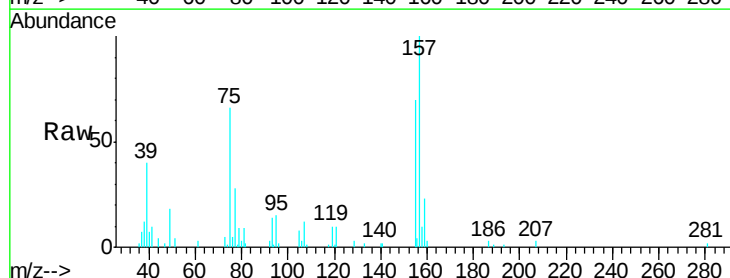
Manual Integrations  
 APPROVED

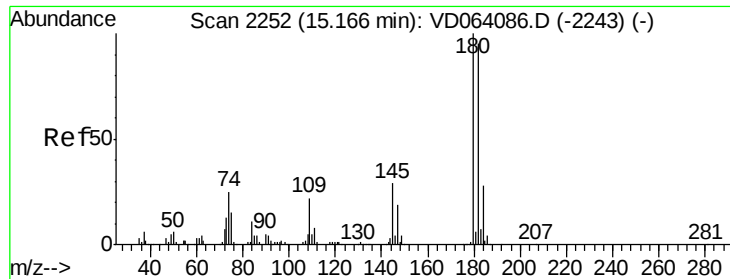
MMDadoda  
 11/4/2019 11:50:53 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.192 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. 0.01 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 13856 |       |       |
| 155     | 105.8 | 56.3  | 168.9 |       |
| 157     | 136.5 | 72.2  | 216.6 |       |





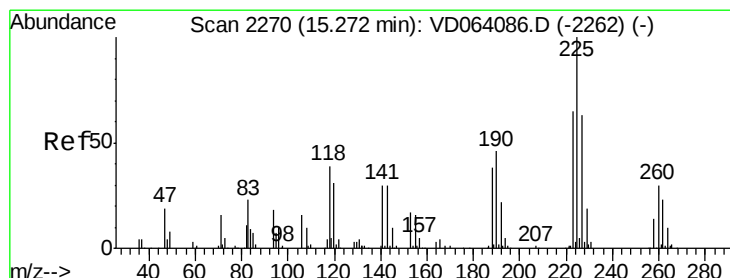
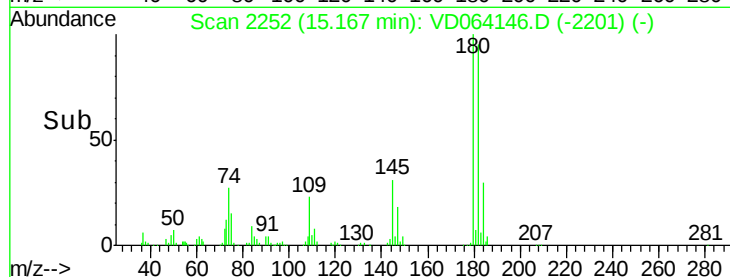
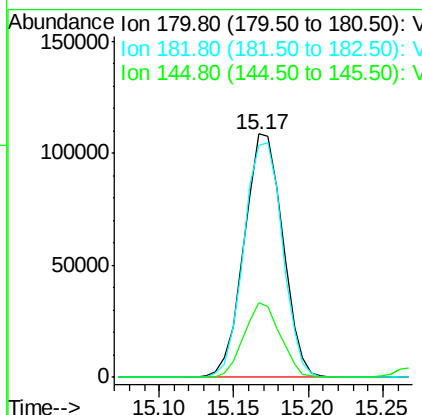
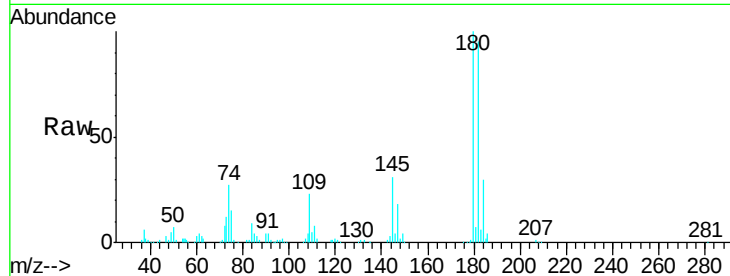
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.061 ug/l  
 RT: 15.17 min Scan# 2252  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 194933 |       |       |
| 182     | 96.2  | 46.9   | 140.7 |       |
| 145     | 29.0  | 14.2   | 42.6  |       |

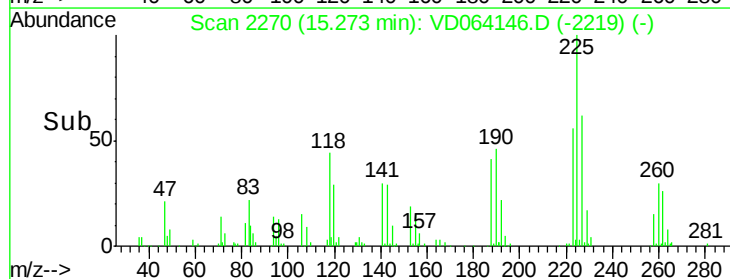
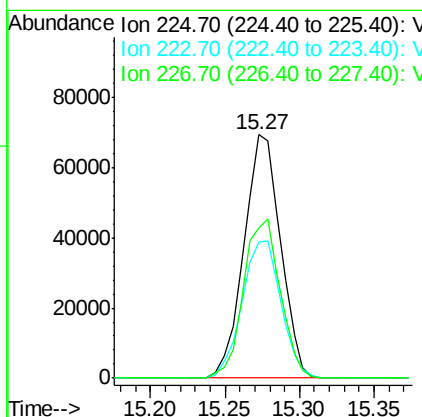
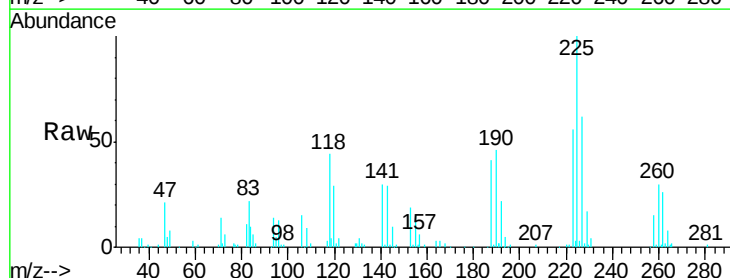
Manual Integrations  
 APPROVED

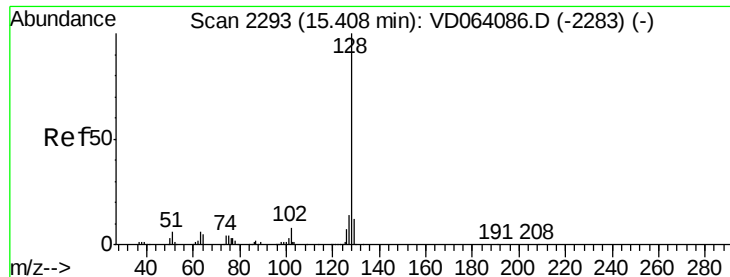
MMDadoda  
 11/4/2019 11:50:53 AM



#94  
 Hexachlorobutadiene  
 Concen: 52.777 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: VD064146.D  
 Acq: 01 Nov 2019 11:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 117759 |       |       |
| 223     | 59.9  | 30.8   | 92.3  |       |
| 227     | 65.2  | 31.7   | 95.1  |       |





#95

Naphthalene

Concen: 49.577 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

Instrument :

MSVOA\_D

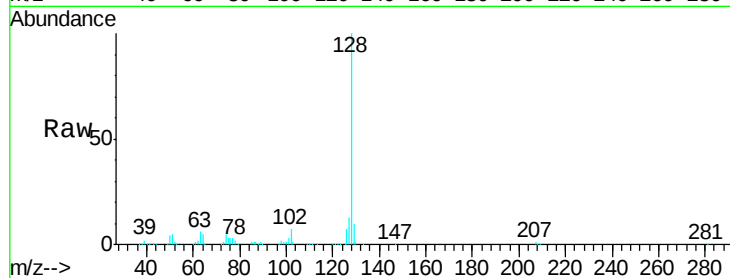
ClientSampleId :

VSTDCCC050

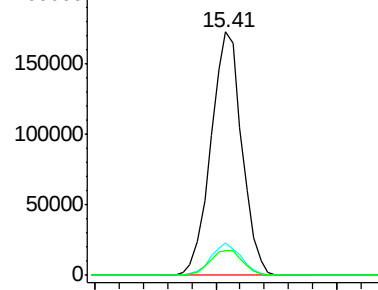
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 308673 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.9  | 16.3   |
| 129       | 11.0  | 8.8   | 13.2   |

Manual Integrations  
APPROVED

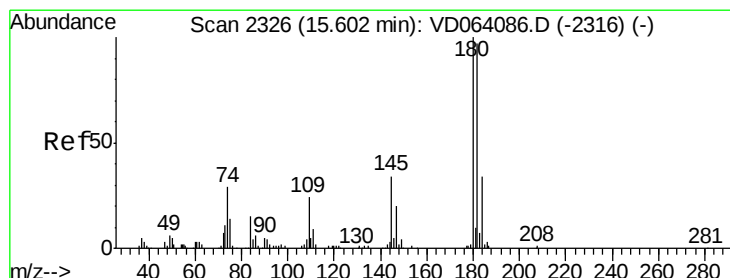
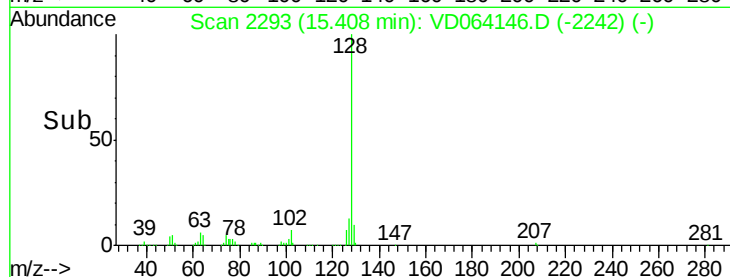
MMDadoda  
11/4/2019 11:50:53 AM



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 49.564 ug/l

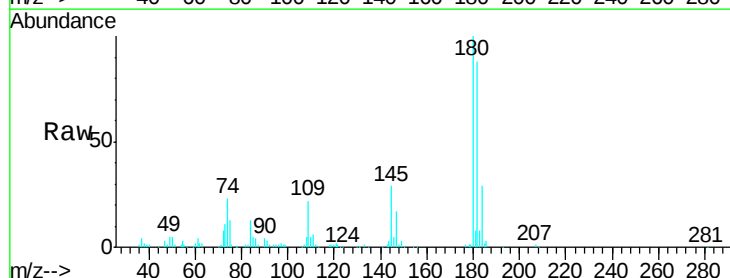
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

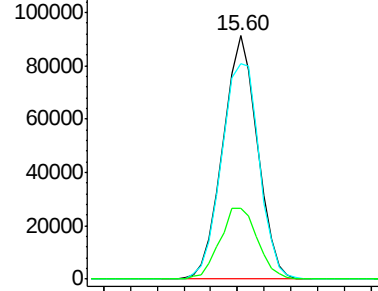
Lab File: VD064146.D

Acq: 01 Nov 2019 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 163896 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.6  | 48.4  | 145.0  |
| 145       | 31.6  | 16.4  | 49.4   |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

