

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101321\  
 Data File : VD070704.D  
 Acq On : 13 Oct 2021 18:14  
 Operator : VA/SY  
 Sample : M4194-04  
 Misc : 5.72G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 14 04:05:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 06 09:10:31 2021  
 Response via : Initial Calibration

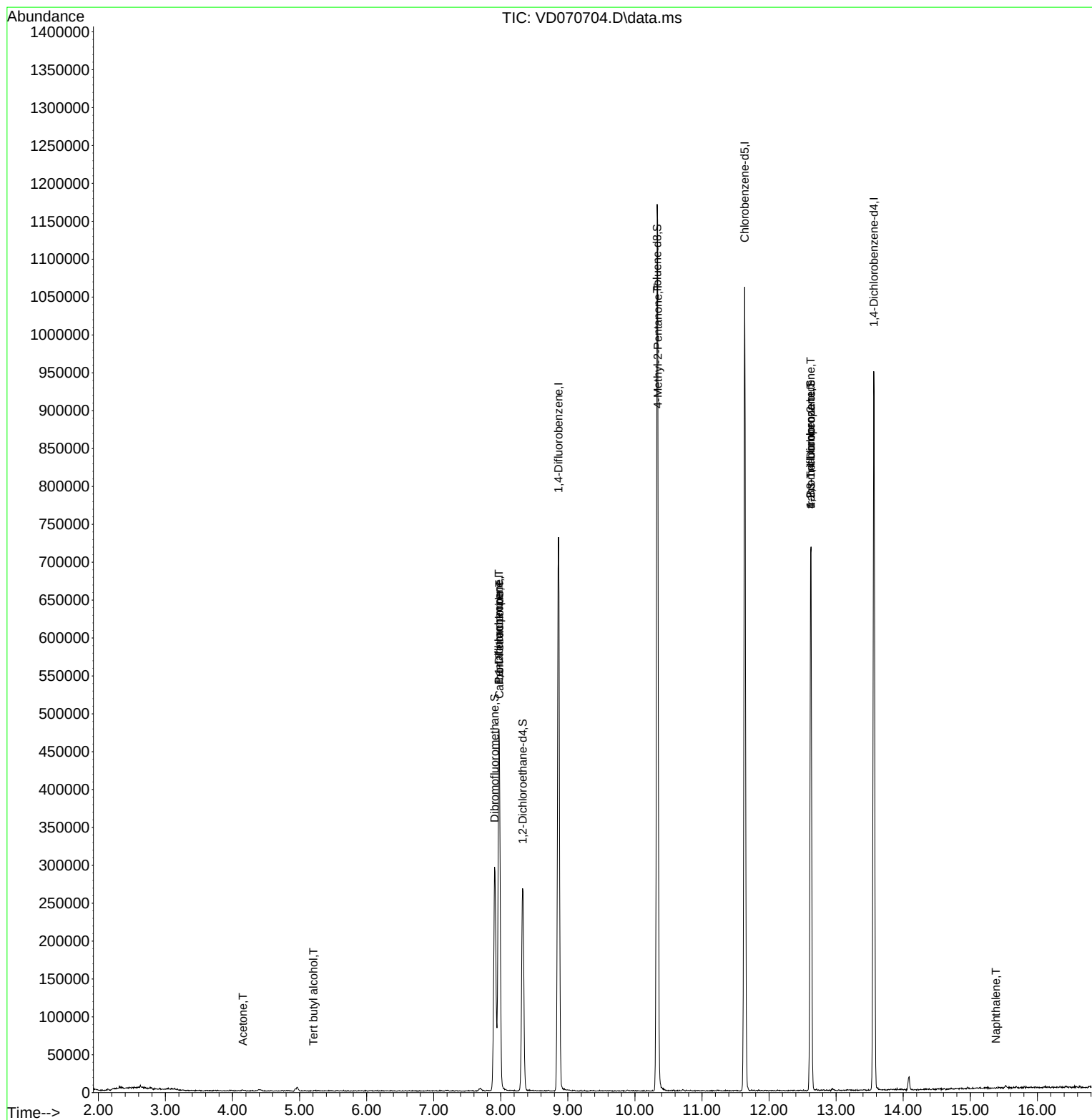
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.973          | 168  | 346253              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861          | 114  | 660209              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.637         | 117  | 623585              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561         | 152  | 258144              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.326          | 65   | 220568              | 54.128    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 108.260% |           |        |          |
| 35) Dibromofluoromethane      | 7.908          | 113  | 217888              | 49.639    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 99.280%  |           |        |          |
| 50) Toluene-d8                | 10.332         | 98   | 829901              | 49.457    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 98.920%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.620         | 95   | 259163              | 46.210    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 92.420%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 5) Bromomethane               | 2.773          | 94   | 1294                | Below Cal | #      | 77       |
| 11) Tert butyl alcohol        | 5.208          | 59   | 266                 | 1.318     | ug/l # | 83       |
| 16) Acetone                   | 4.156          | 43   | 2109                | 3.048     | ug/l # | 76       |
| 20) Methylene Chloride        | 4.967          | 84   | 3709                | Below Cal | #      | 64       |
| 36) 1,1-Dichloropropene       | 7.973          | 75   | 28608               | 4.080     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.979          | 117  | 37961               | 5.173     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.343         | 43   | 2805                | 1.274     | ug/l # | 1        |
| 59) 2-Hexanone                | 10.949         | 43   | 607                 | Below Cal | #      | 20       |
| 76) 1,2,3-Trichloropropane    | 12.620         | 75   | 122209              | 52.305    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.620         | 75   | 122209              | 116.125   | ug/l # | 17       |
| 95) Naphthalene               | 15.384         | 128  | 65                  | 2.497     | ug/l # | 69       |
| -----                         |                |      |                     |           |        |          |

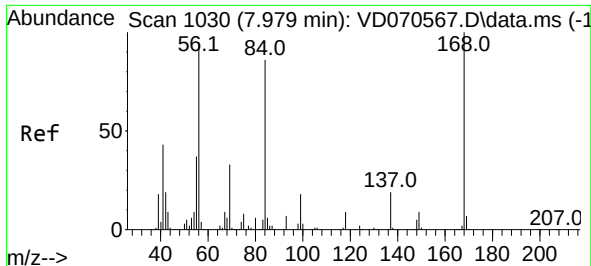
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101321\  
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Sample : M4194-04  
Misc : 5.72G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Oct 14 04:05:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D100521S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 06 09:10:31 2021  
Response via : Initial Calibration

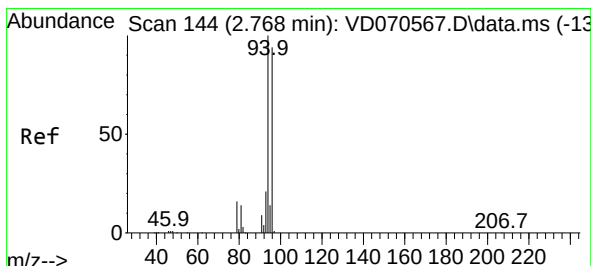
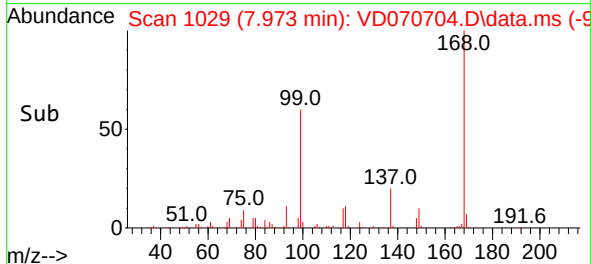
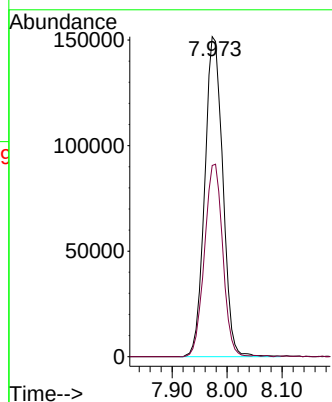
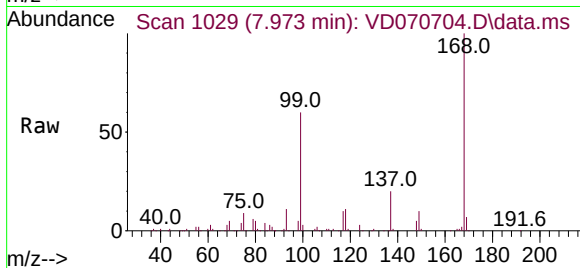




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

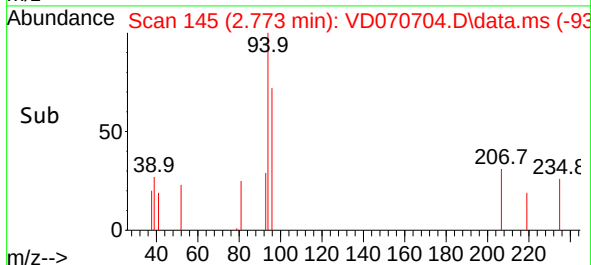
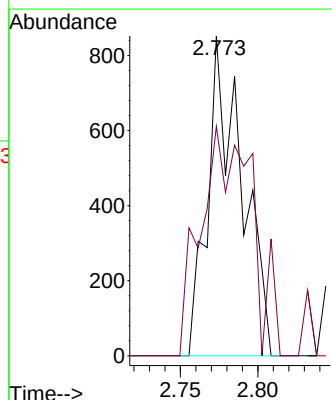
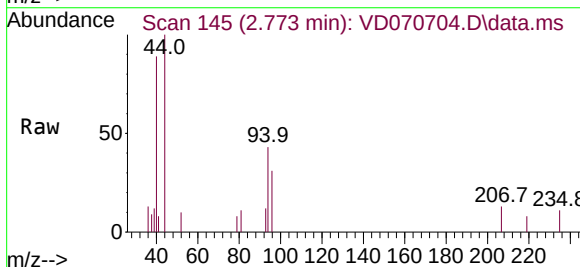
Instrument :  
MSVOA\_D  
ClientSampled :

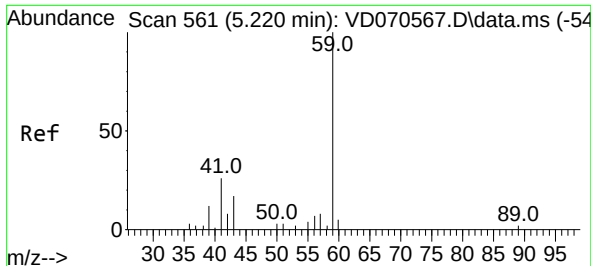
Tgt Ion:168 Resp: 346253  
Ion Ratio Lower Upper  
168 100  
99 59.7 51.4 77.0



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.773 min Scan# 145  
Delta R.T. 0.005 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion: 94 Resp: 1294  
Ion Ratio Lower Upper  
94 100  
96 71.7 75.5 113.3#

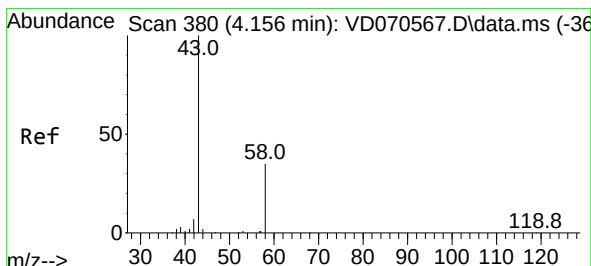
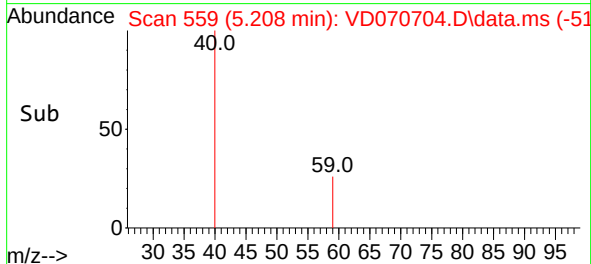
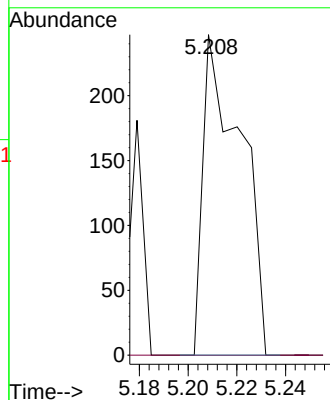
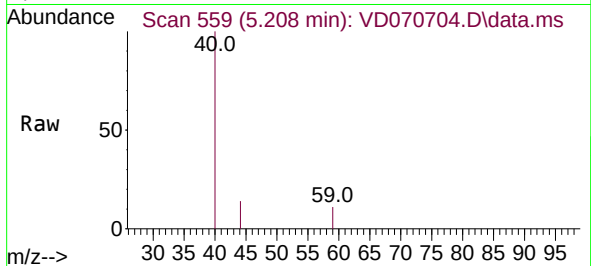




#11  
Tert butyl alcohol  
Concen: 1.318 ug/l  
RT: 5.208 min Scan# 559  
Delta R.T. -0.012 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

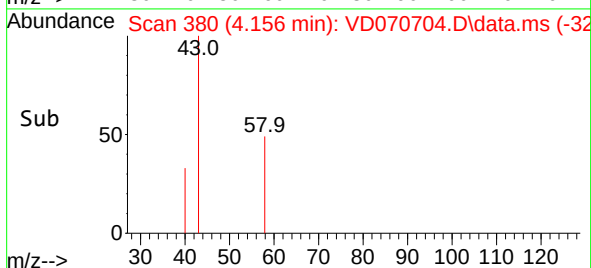
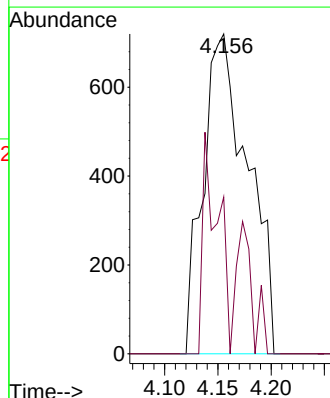
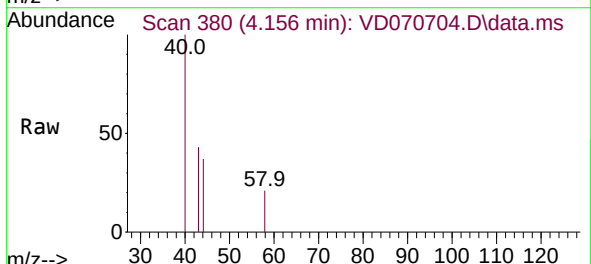
Instrument :  
MSVOA\_D  
ClientSampled :

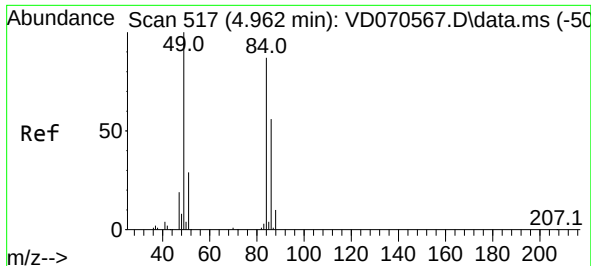
Tgt Ion: 59 Resp: 266  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.5 6.7#



#16  
Acetone  
Concen: 3.048 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

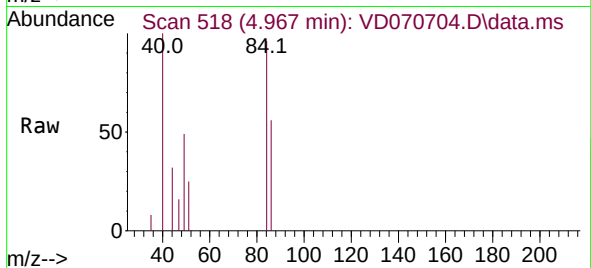
Tgt Ion: 43 Resp: 2109  
Ion Ratio Lower Upper  
43 100  
58 49.0 28.2 42.2#



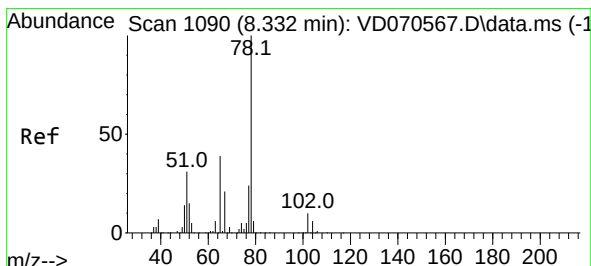
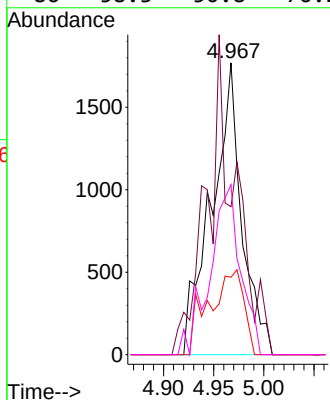
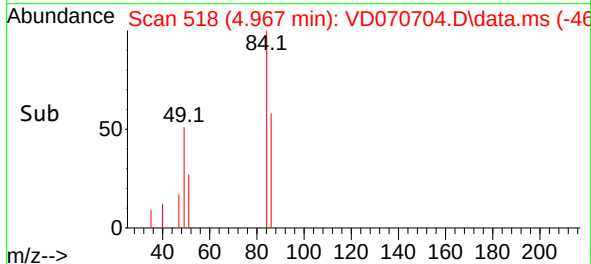


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.967 min Scan# 518  
Delta R.T. 0.005 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

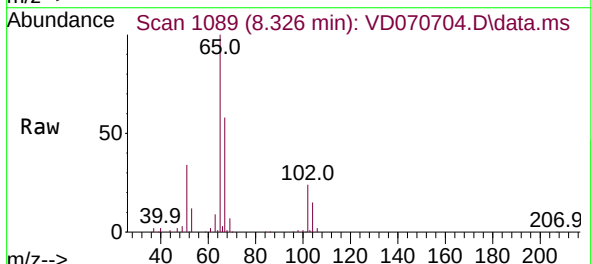
Instrument :  
MSVOA\_D  
ClientSampled :



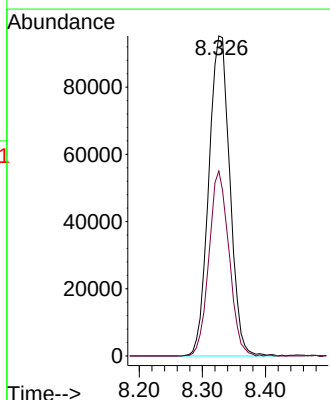
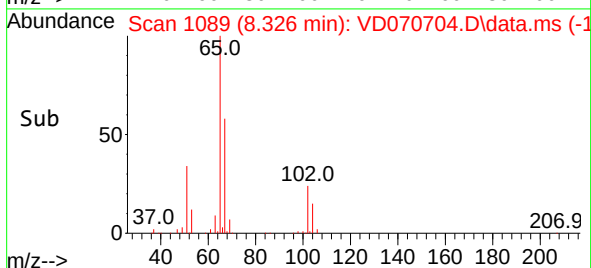
Tgt Ion: 84 Resp: 3709  
Ion Ratio Lower Upper  
84 100  
49 50.7 91.4 137.2#  
51 26.6 26.7 40.1#  
86 58.3 50.8 76.2

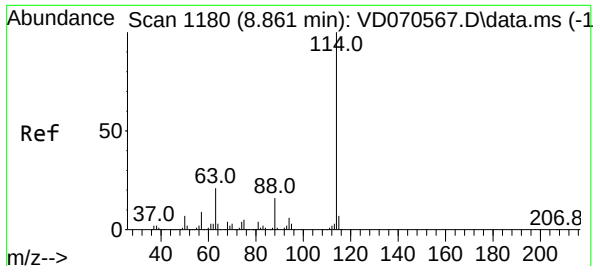


#33  
1,2-Dichloroethane-d4  
Concen: 54.128 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14



Tgt Ion: 65 Resp: 220568  
Ion Ratio Lower Upper  
65 100  
67 55.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070704.D

Acq: 13 Oct 2021 18:14

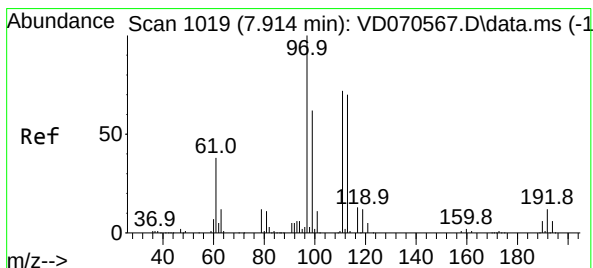
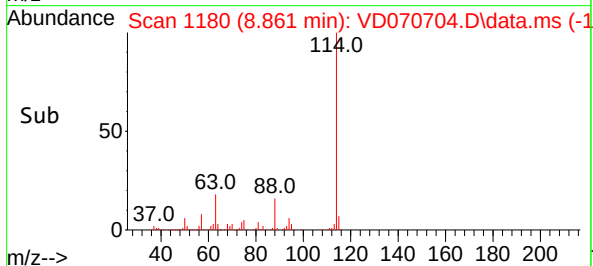
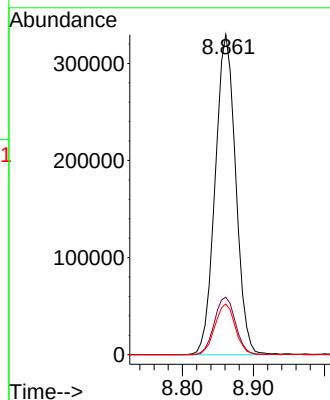
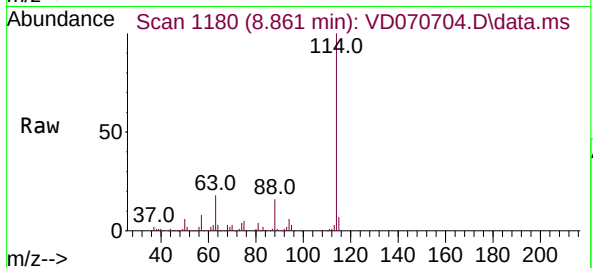
Tgt Ion:114 Resp: 660209

Ion Ratio Lower Upper

114 100

63 18.0 0.0 41.8

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.639 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070704.D

Acq: 13 Oct 2021 18:14

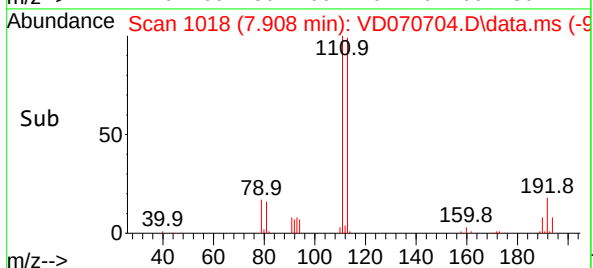
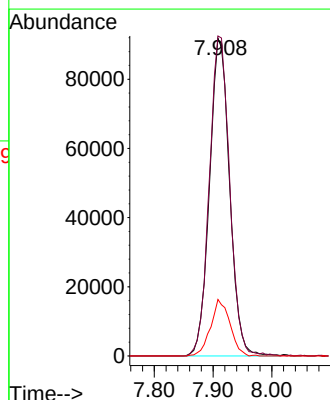
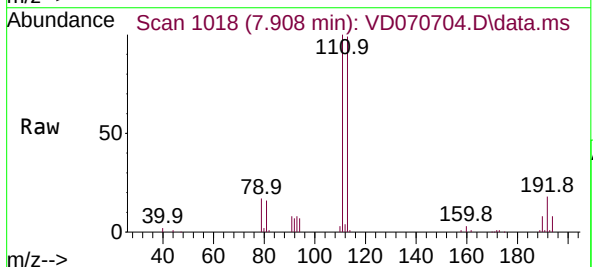
Tgt Ion:113 Resp: 217888

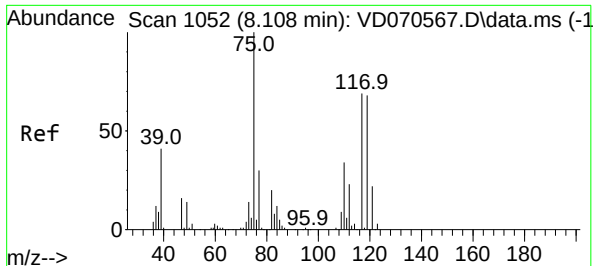
Ion Ratio Lower Upper

113 100

111 102.1 83.1 124.7

192 17.2 12.7 19.1

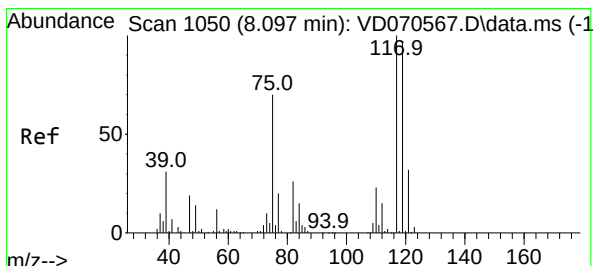
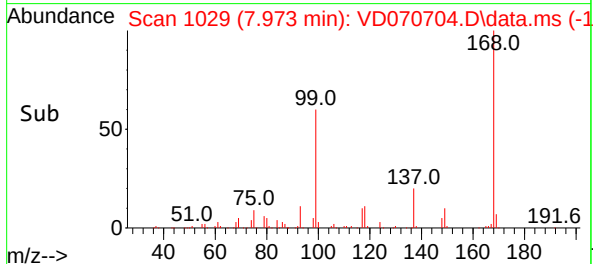
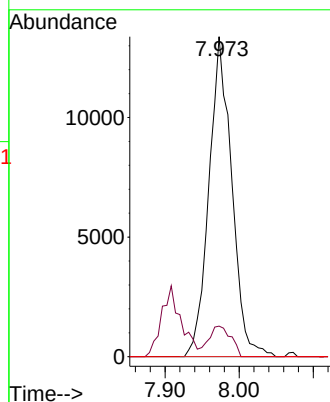
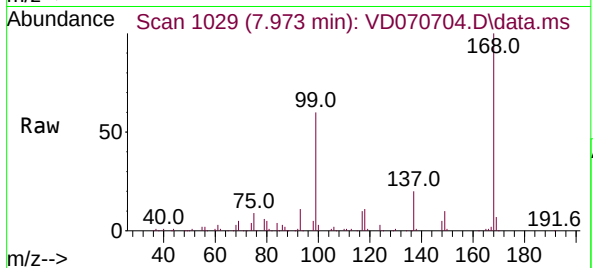




#36  
1,1-Dichloropropene  
Concen: 4.080 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.136 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

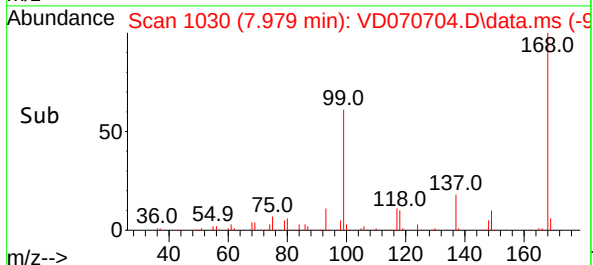
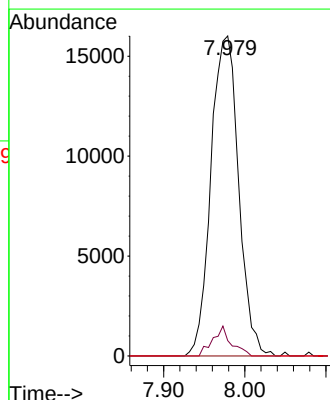
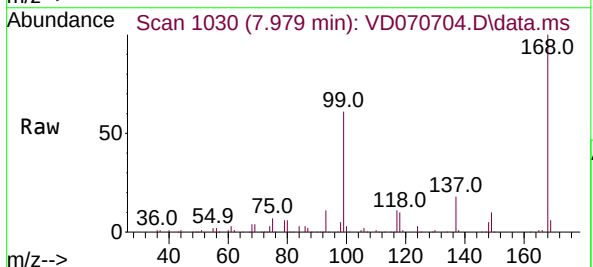
Instrument :  
MSVOA\_D  
ClientSampled :

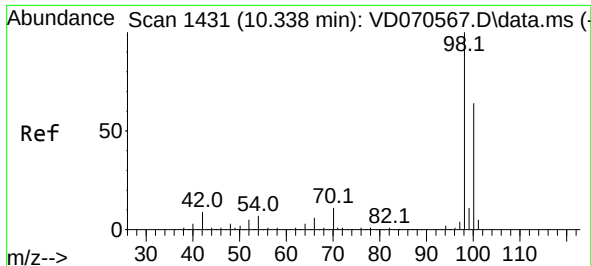
Tgt Ion: 75 Resp: 28608  
Ion Ratio Lower Upper  
75 100  
110 9.5 17.2 51.6#  
77 0.0 24.2 36.4#



#38  
Carbon Tetrachloride  
Concen: 5.173 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.118 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion: 117 Resp: 37961  
Ion Ratio Lower Upper  
117 100  
119 4.8 77.4 116.0#  
121 0.0 25.4 38.0#

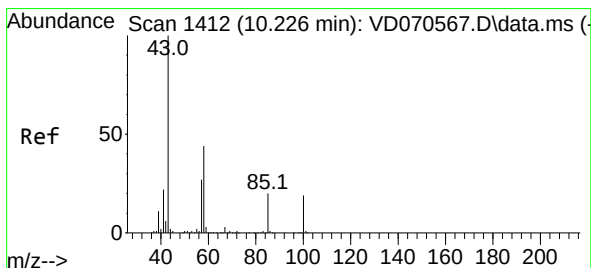
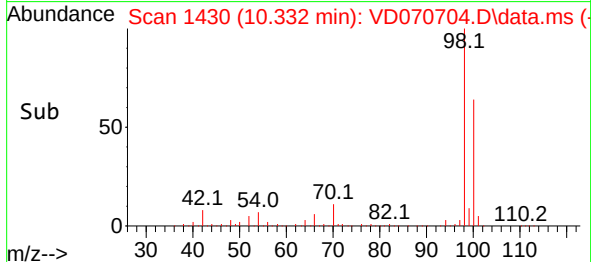
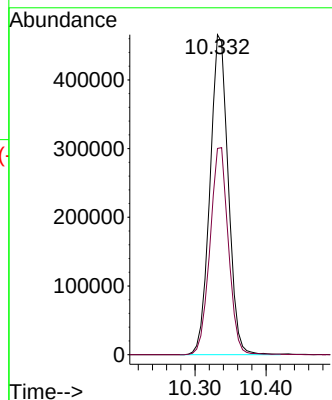
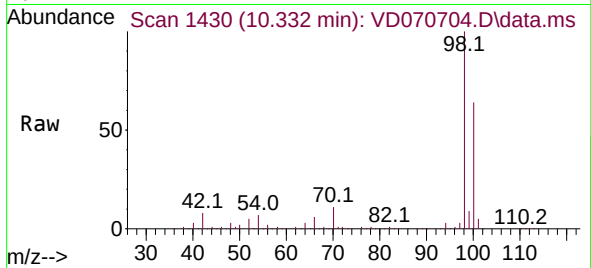




#50  
Toluene-d8  
Concen: 49.457 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

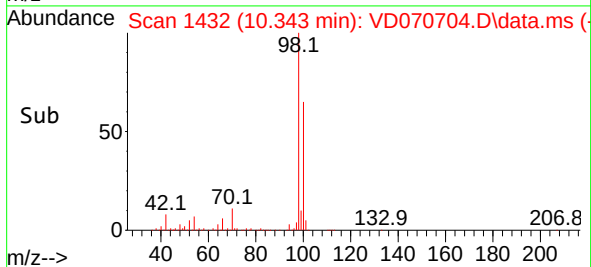
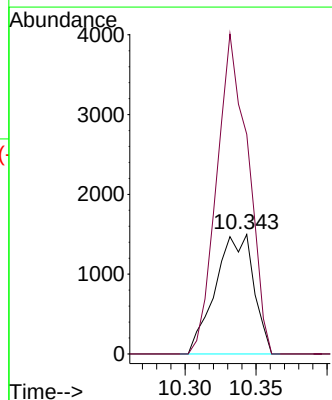
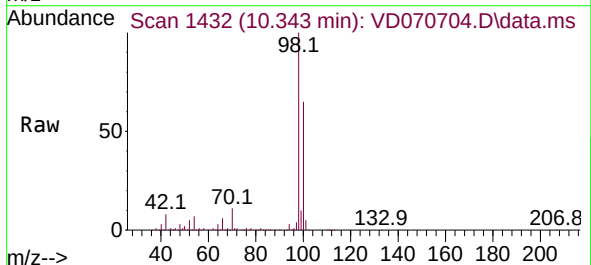
Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 98 Resp: 829901  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.2 78.4

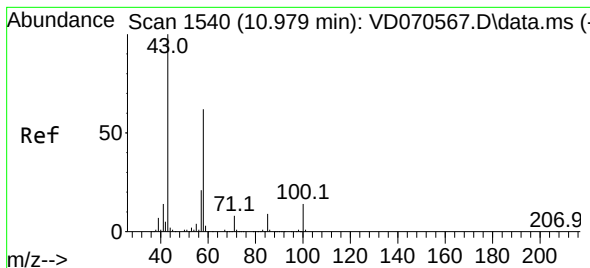


#51  
4-Methyl-2-Pentanone  
Concen: 1.274 ug/l  
RT: 10.343 min Scan# 1432  
Delta R.T. 0.117 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion: 43 Resp: 2805  
Ion Ratio Lower Upper  
43 100  
58 220.1 35.0 52.6#



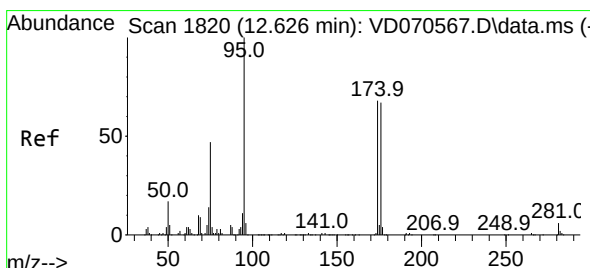
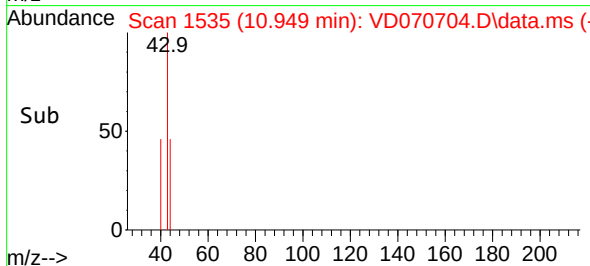
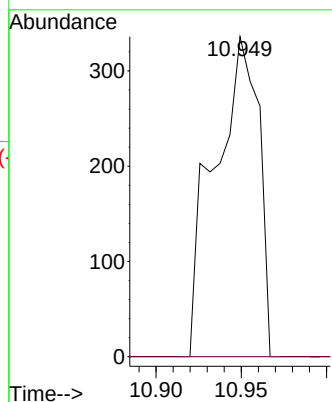
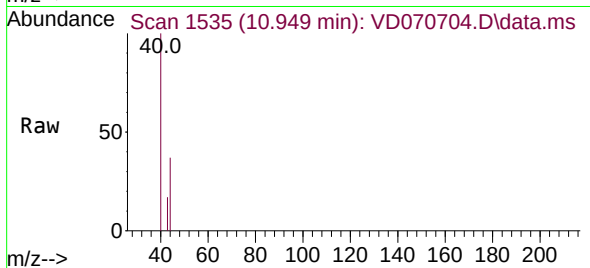




#59  
2-Hexanone  
Concen: Below Cal  
RT: 10.949 min Scan# 1535  
Delta R.T. -0.030 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

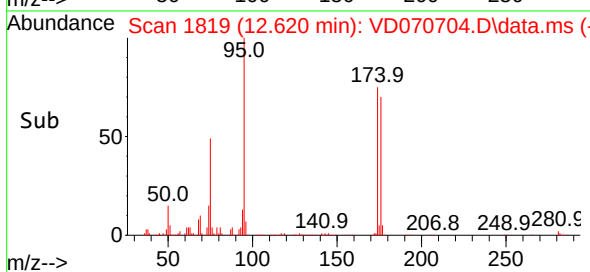
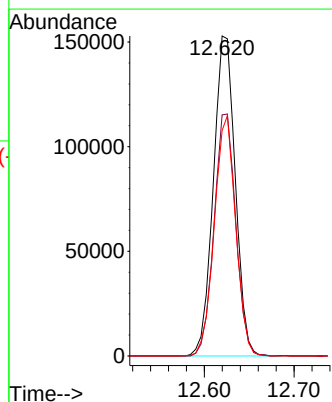
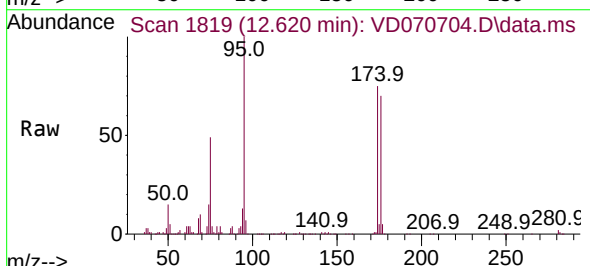
Instrument :  
MSVOA\_D  
ClientSampled :

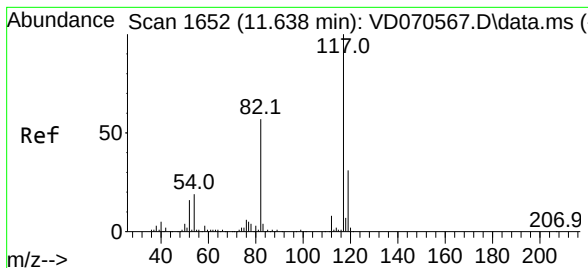
Tgt Ion: 43 Resp: 607  
Ion Ratio Lower Upper  
43 100  
58 0.0 30.4 91.3#



#62  
4-Bromofluorobenzene  
Concen: 46.210 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion: 95 Resp: 259163  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 138.0  
176 72.9 0.0 135.6

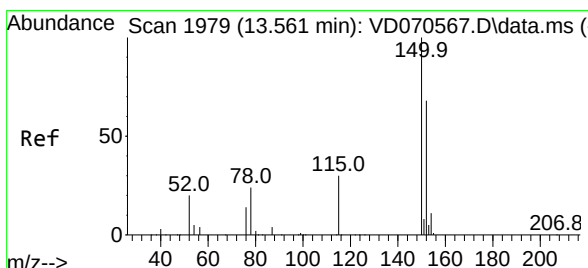
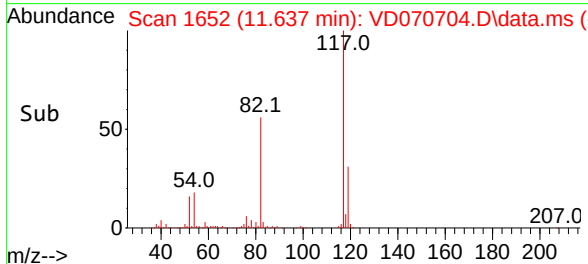
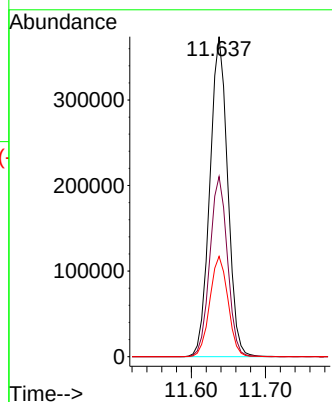
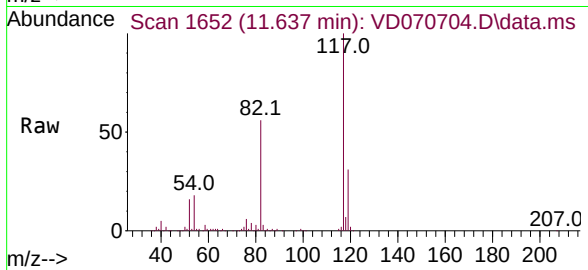




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

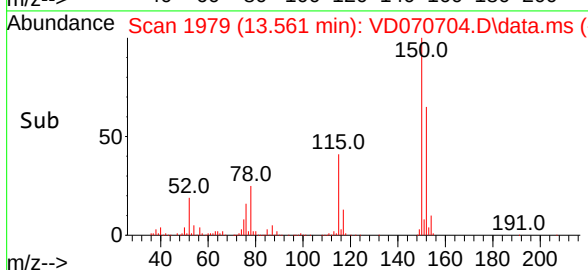
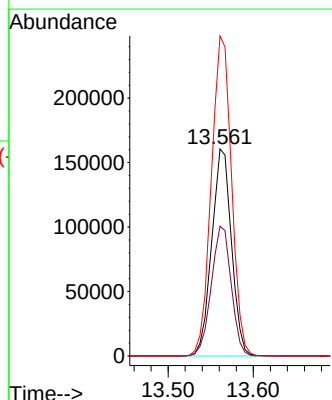
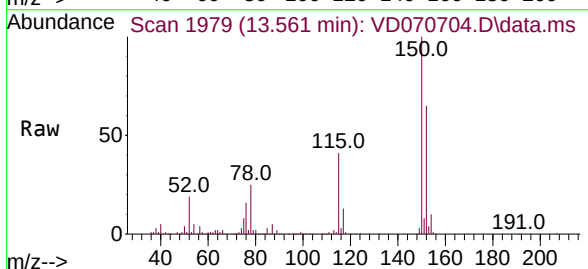
Instrument :  
MSVOA\_D  
ClientSampled :

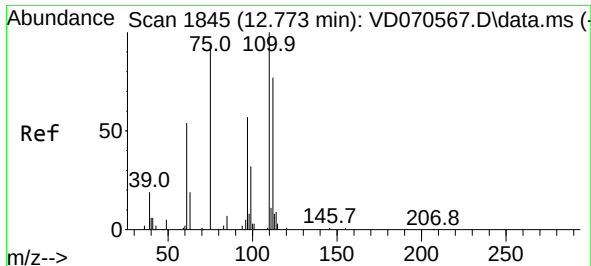
Tgt Ion:117 Resp: 623585  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.4 68.2  
119 31.4 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion:152 Resp: 258144  
Ion Ratio Lower Upper  
152 100  
115 63.3 31.9 95.7  
150 158.0 0.0 350.0

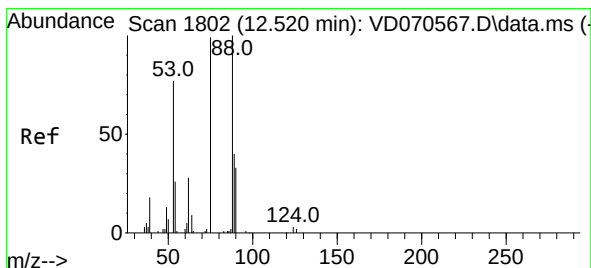
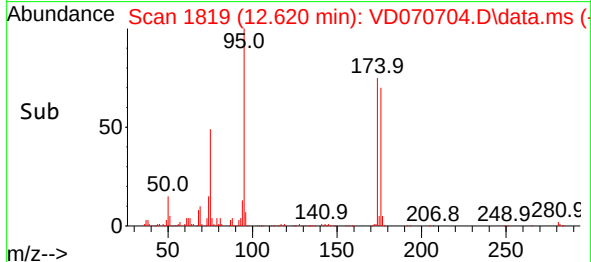
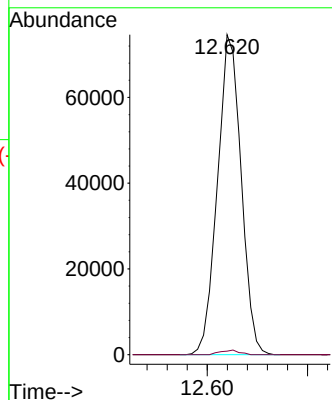
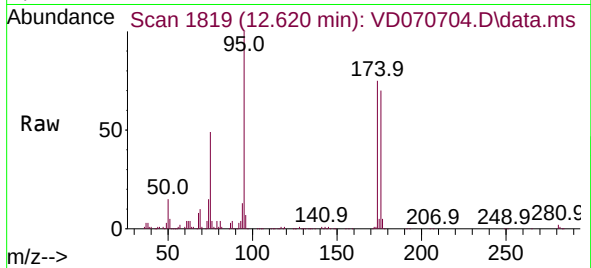




#76  
1,2,3-Trichloropropane  
Concen: 52.305 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.153 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

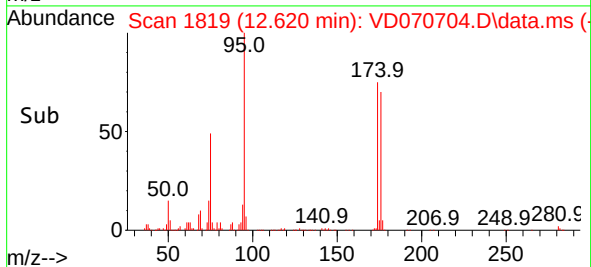
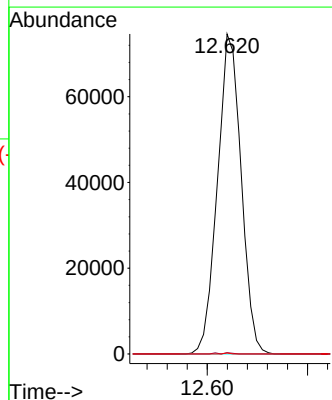
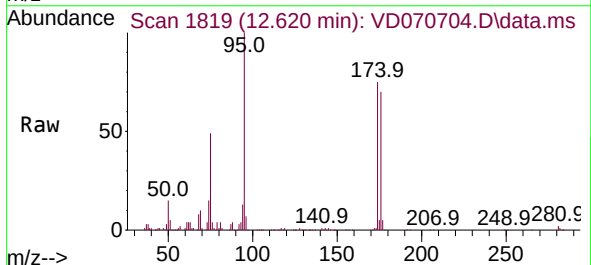
Instrument :  
MSVOA\_D  
ClientSampled :

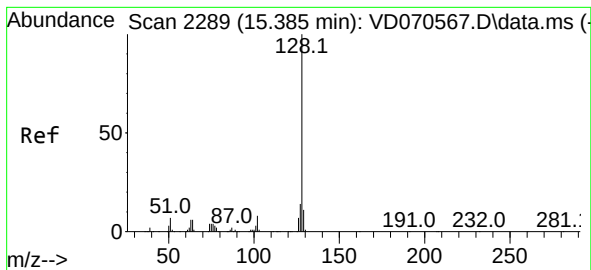
Tgt Ion: 75 Resp: 122209  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.125 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Tgt Ion: 75 Resp: 122209  
Ion Ratio Lower Upper  
75 100  
53 0.1 64.5 96.7#  
89 0.1 35.3 52.9#





#95  
Naphthalene  
Concen: 2.497 ug/l  
RT: 15.384 min Scan# 2289  
Delta R.T. -0.001 min  
Lab File: VD070704.D  
Acq: 13 Oct 2021 18:14

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 65  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.9 16.3#  
129 0.0 8.6 12.8#

