

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
 Data File : VD075630.D  
 Acq On : 11 Apr 2023 20:07  
 Operator : KP/SY  
 Sample : 02260-15  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1E

Quant Time: Apr 12 02:59:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

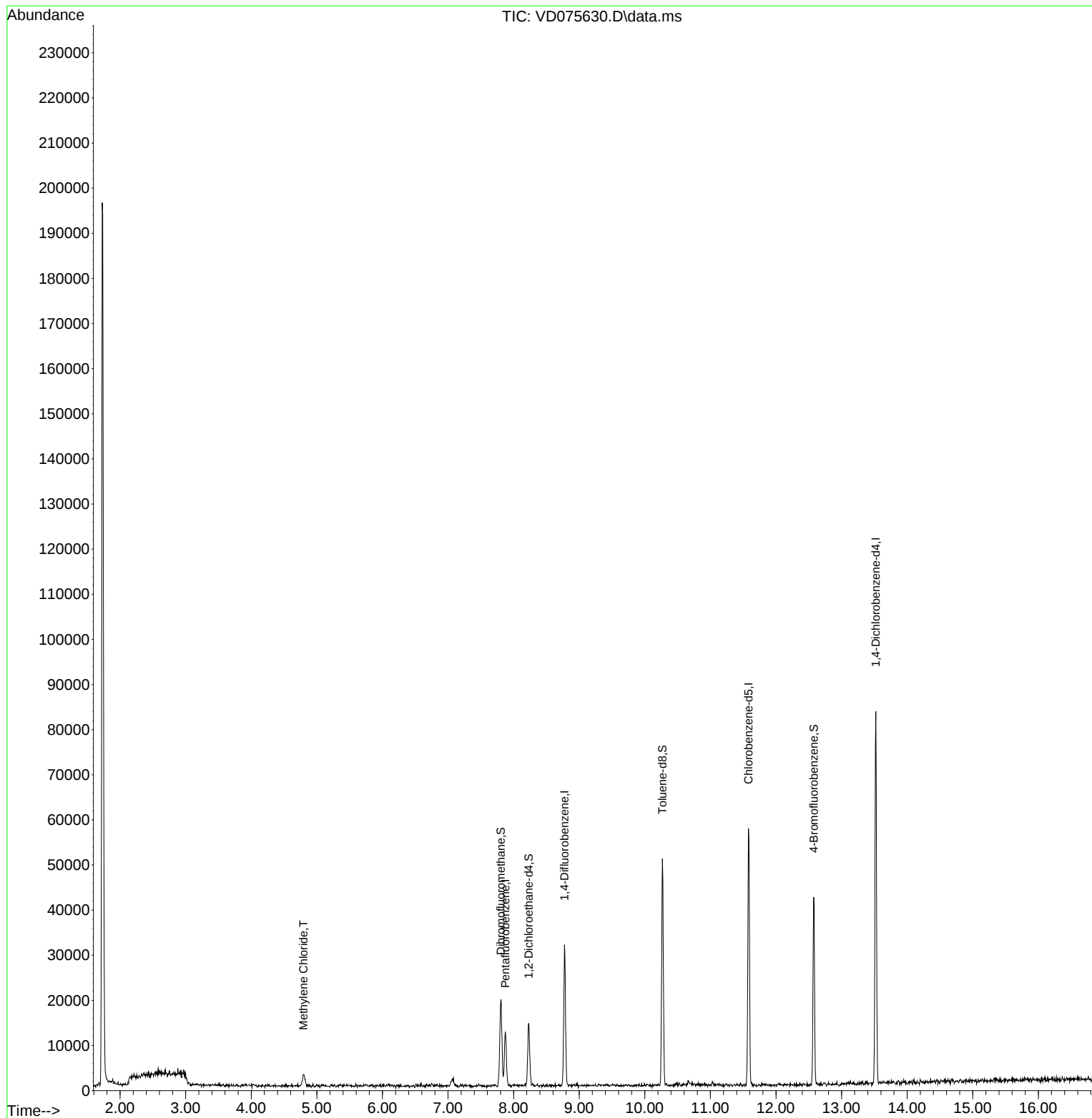
| Compound                    | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                       |           |       |          |          |             |          |
| Internal Standards          |           |       |          |          |             |          |
| 1) Pentafluorobenzene       | 7.875     | 168   | 10347    | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.775     | 114   | 28777    | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 36931    | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.522    | 152   | 25594    | 50.000   | ug/l        | 0.00     |
|                             |           |       |          |          |             |          |
| System Monitoring Compounds |           |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 10771    | 126.894  | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 253.780%# |          |
| 35) Dibromofluoromethane    | 7.805     | 113   | 14023    | 83.149   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 166.300%# |          |
| 50) Toluene-d8              | 10.269    | 98    | 37931    | 57.340   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 114.680%  |          |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 13776    | 67.640   | ug/l        | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 135.280%  |          |
|                             |           |       |          |          |             |          |
| Target Compounds            |           |       |          |          |             | Qvalue   |
| 20) Methylene Chloride      | 4.793     | 84    | 2431     | 11.369   | ug/l        | # 78     |
| -----                       |           |       |          |          |             |          |

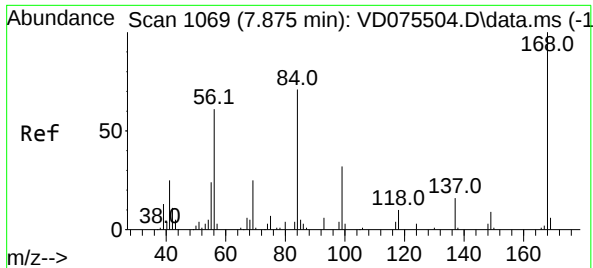
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
Data File : VD075630.D  
Acq On : 11 Apr 2023 20:07  
Operator : KP/SY  
Sample : 02260-15  
Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1E

Quant Time: Apr 12 02:59:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 11 18:54:55 2023  
Response via : Initial Calibration

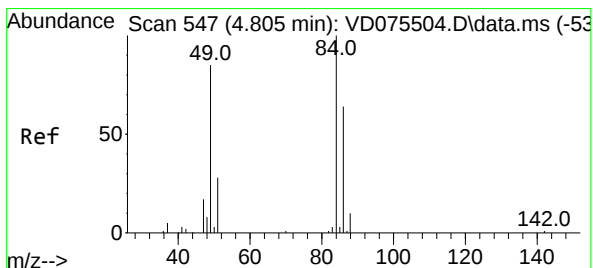
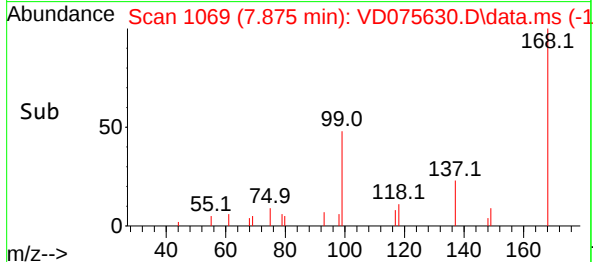
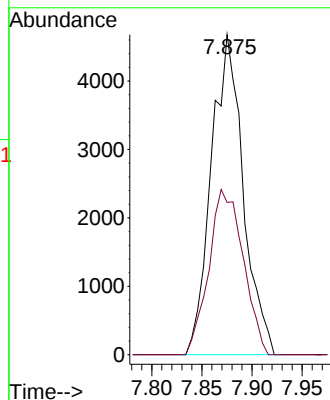
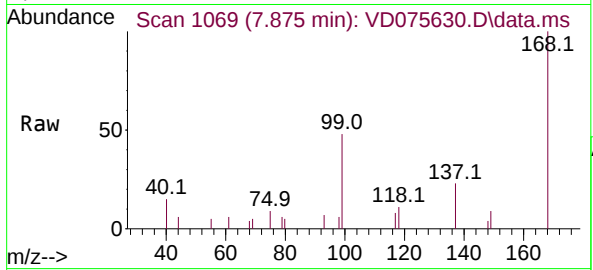




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075630.D  
Acq: 11 Apr 2023 20:07

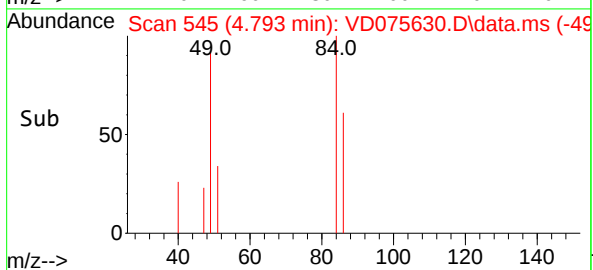
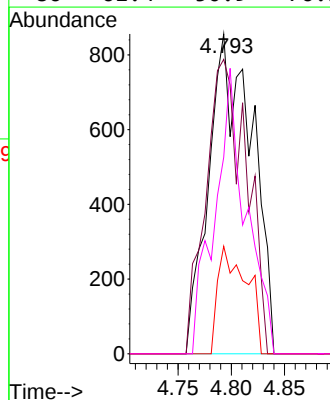
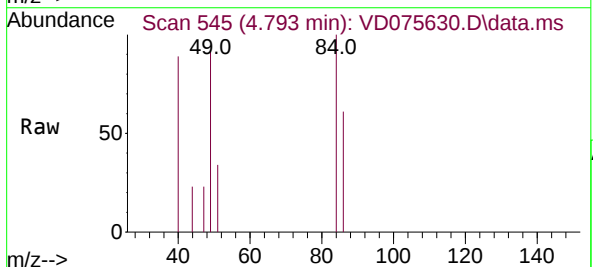
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1E

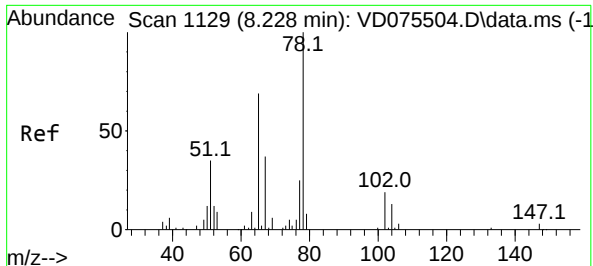
Tgt Ion:168 Resp: 10347  
Ion Ratio Lower Upper  
168 100  
99 47.6 43.8 65.6



#20  
Methylene Chloride  
Concen: 11.369 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.012 min  
Lab File: VD075630.D  
Acq: 11 Apr 2023 20:07

Tgt Ion: 84 Resp: 2431  
Ion Ratio Lower Upper  
84 100  
49 92.1 106.4 159.6#  
51 33.6 32.4 48.6  
86 61.4 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 126.894 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075630.D

Acq: 11 Apr 2023 20:07

Instrument :

MSVOA\_D

ClientSampleId :

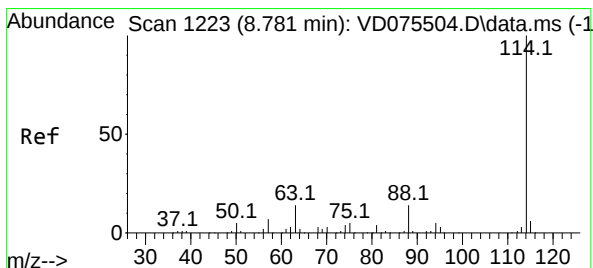
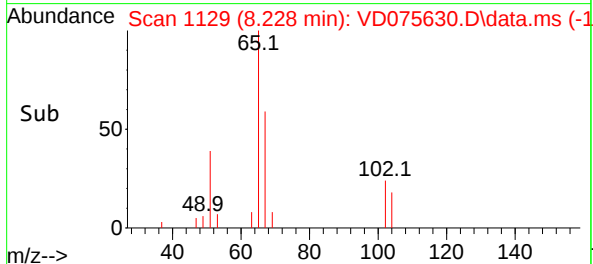
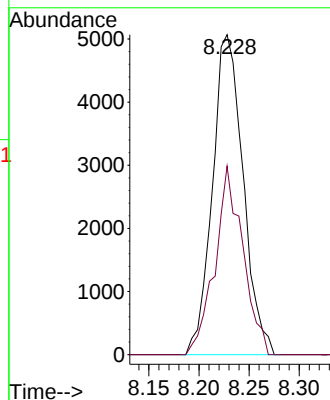
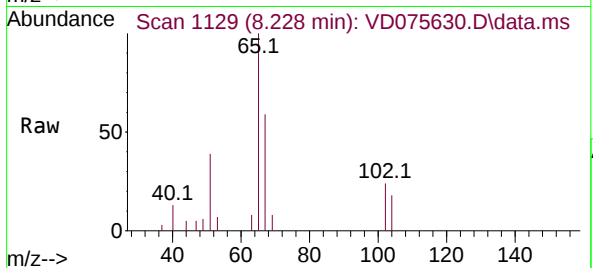
SP-1E

Tgt Ion: 65 Resp: 10771

Ion Ratio Lower Upper

65 100

67 53.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075630.D

Acq: 11 Apr 2023 20:07

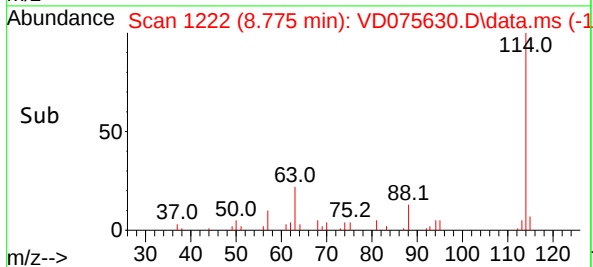
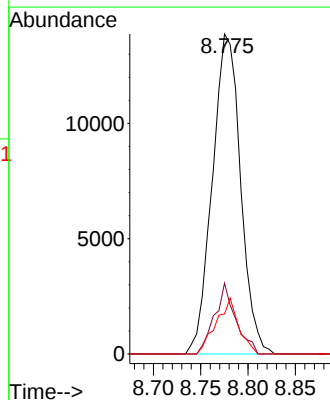
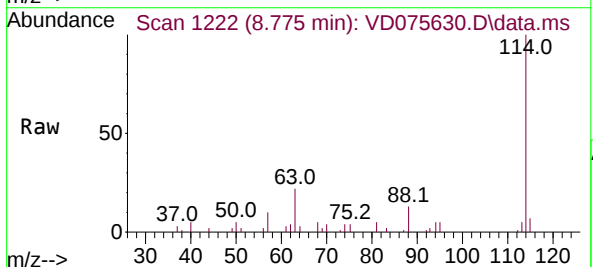
Tgt Ion: 114 Resp: 28777

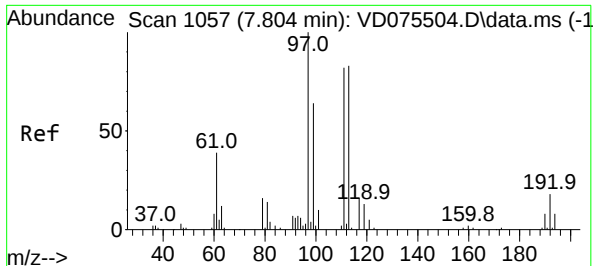
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.6

88 12.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 83.149 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075630.D

Acq: 11 Apr 2023 20:07

Instrument :

MSVOA\_D

ClientSampleId :

SP-1E

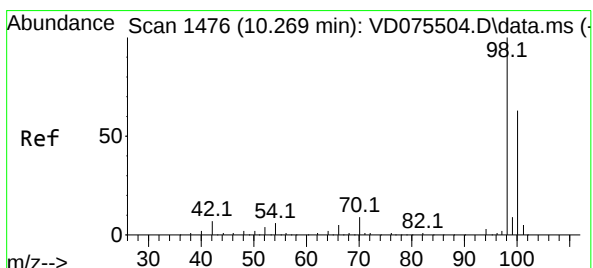
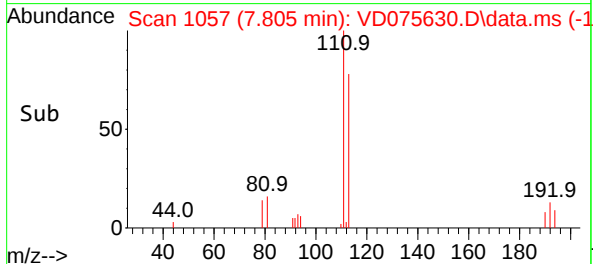
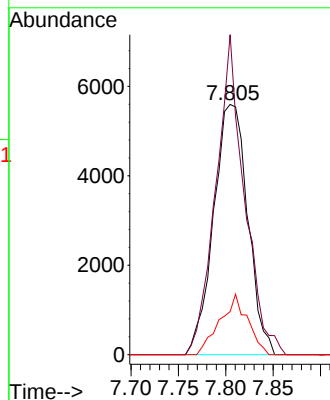
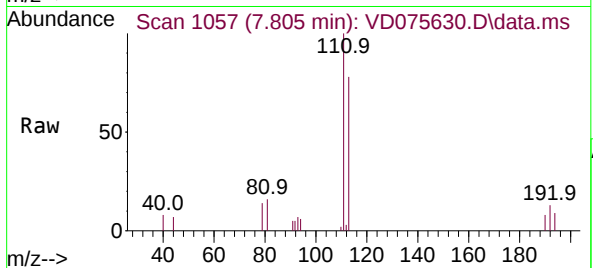
Tgt Ion:113 Resp: 14023

Ion Ratio Lower Upper

113 100

111 106.7 81.4 122.0

192 19.5 15.2 22.8



#50

Toluene-d8

Concen: 57.340 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075630.D

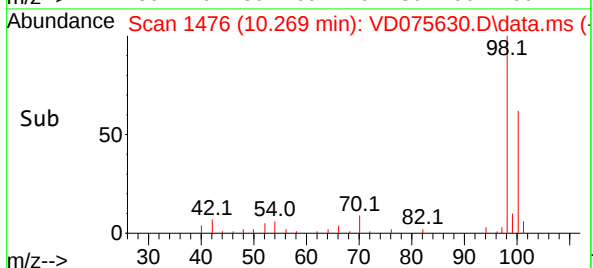
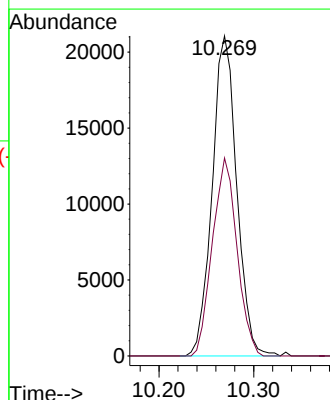
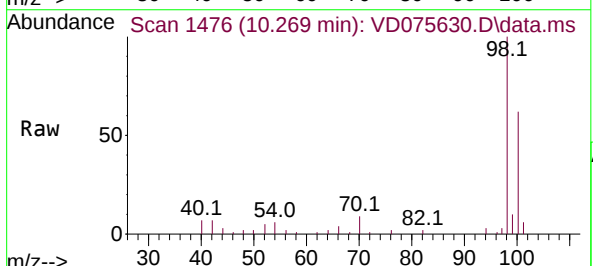
Acq: 11 Apr 2023 20:07

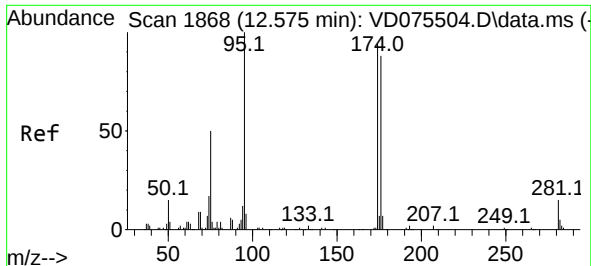
Tgt Ion: 98 Resp: 37931

Ion Ratio Lower Upper

98 100

100 62.0 52.1 78.1

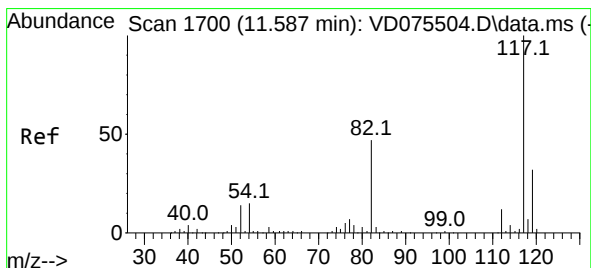
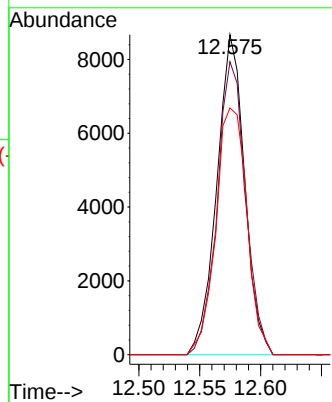
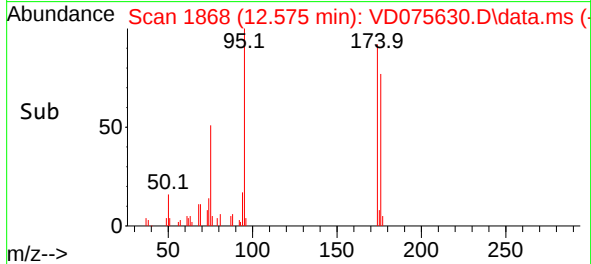
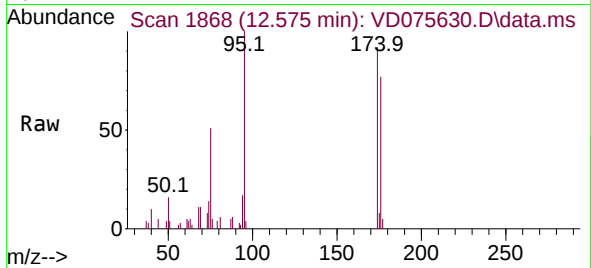




#62  
4-Bromofluorobenzene  
Concen: 67.640 ug/l  
RT: 12.575 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD075630.D  
Acq: 11 Apr 2023 20:07

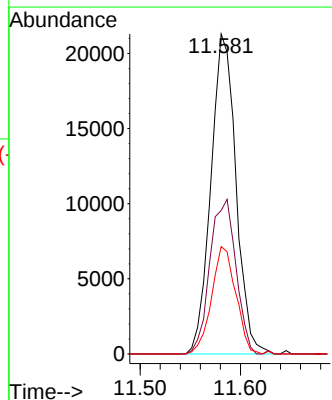
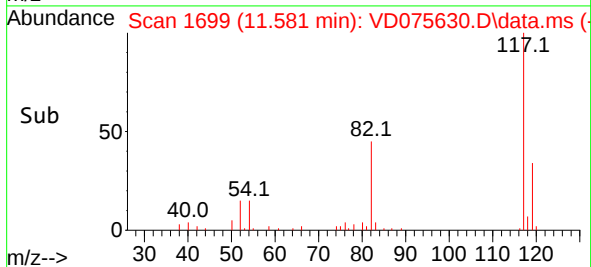
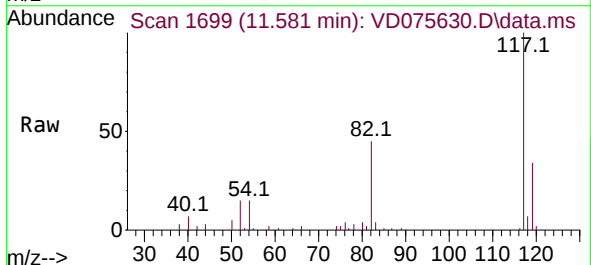
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1E

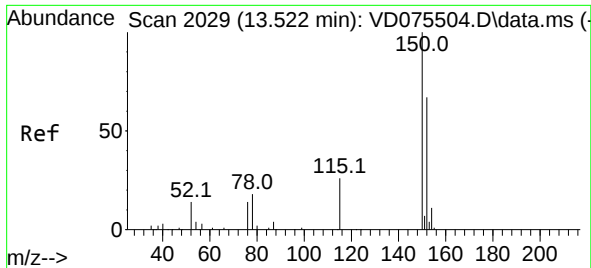
Tgt Ion: 95 Resp: 13776  
Ion Ratio Lower Upper  
95 100  
174 93.0 0.0 164.0  
176 85.7 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: VD075630.D  
Acq: 11 Apr 2023 20:07

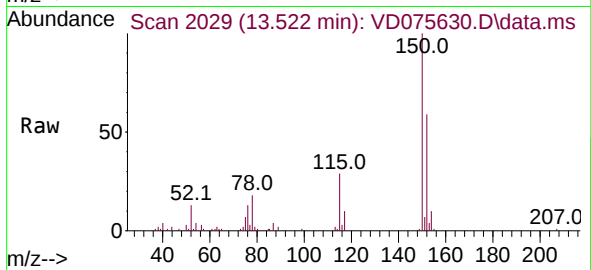
Tgt Ion: 117 Resp: 36931  
Ion Ratio Lower Upper  
117 100  
82 44.9 44.0 66.0  
119 33.6 25.1 37.7





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.522 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VD075630.D  
 Acq: 11 Apr 2023 20:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1E



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 25594 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 50.6  | 30.1  | 90.3  |
| 150      | 156.8 | 0.0   | 364.8 |

