

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041323\  
 Data File : VD075667.D  
 Acq On : 13 Apr 2023 18:33  
 Operator : KP/SY  
 Sample : 02307-01  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 PL-02-041223

Quant Time: Apr 14 01:36:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041323S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 14:16:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.869  | 168  | 45243    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 128585   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 170264   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 86541    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 41915    | 97.603   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 195.200%# |
| 35) Dibromofluoromethane    | 7.805  | 113   | 53281    | 61.606   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 123.220%  |
| 50) Toluene-d8              | 10.269 | 98    | 178673   | 51.589   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.180%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 68451    | 74.358   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 148.720%# |

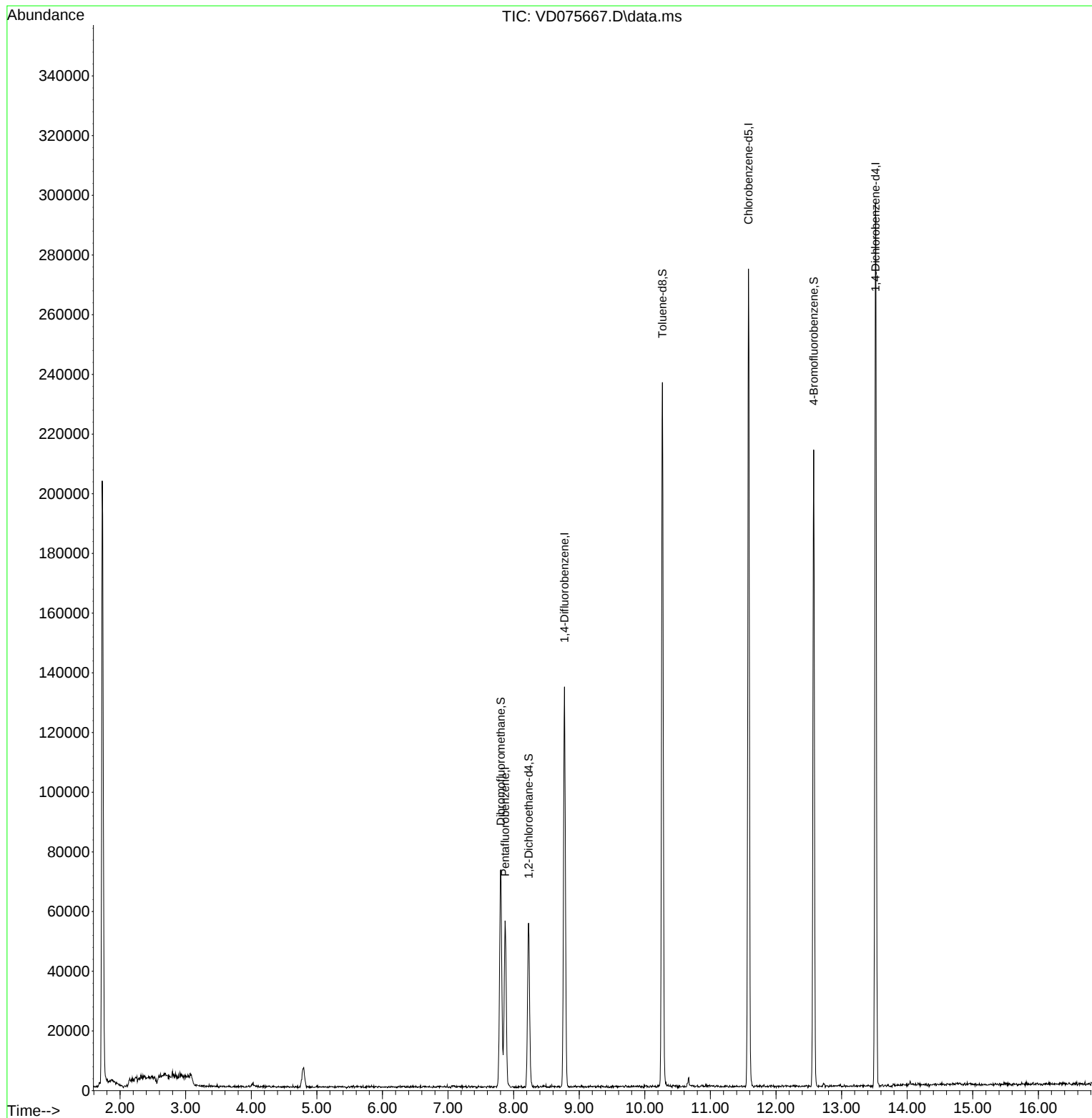
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

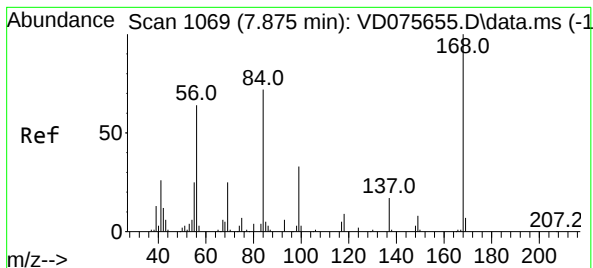
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Apr 13 14:16:29 2023  
Response via : Initial Calibration

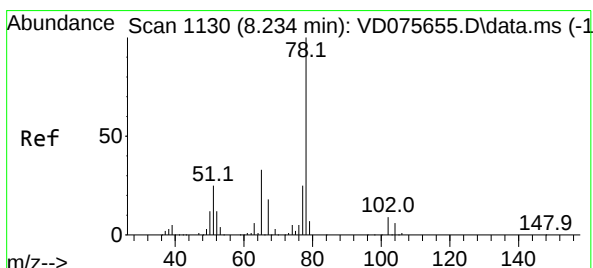
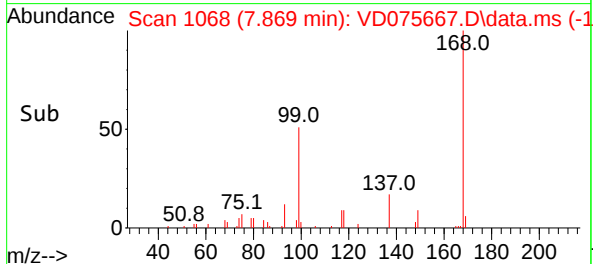
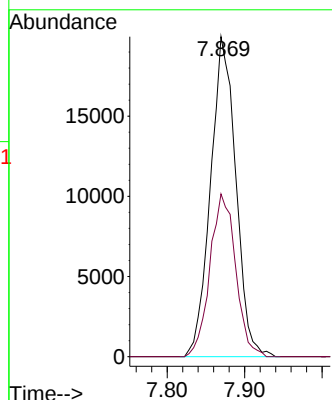
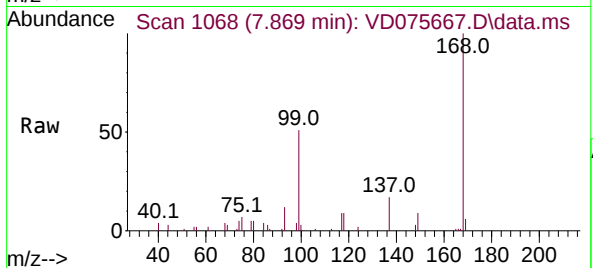




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

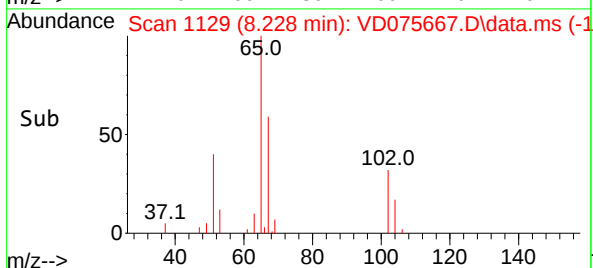
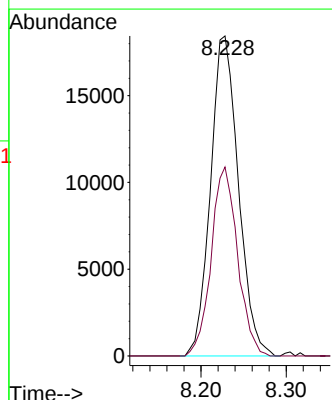
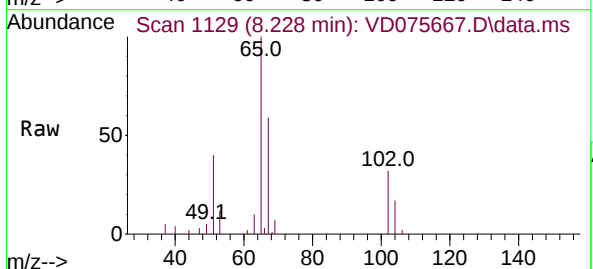
Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

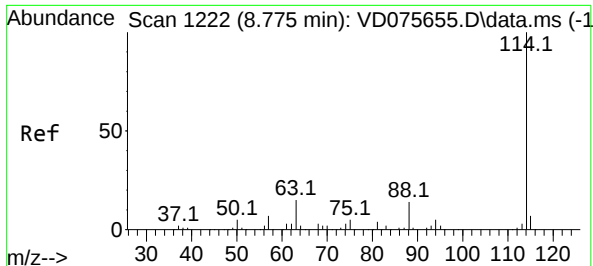
Tgt Ion:168 Resp: 45243  
Ion Ratio Lower Upper  
168 100  
99 50.9 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 97.603 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 65 Resp: 41915  
Ion Ratio Lower Upper  
65 100  
67 55.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075667.D

Acq: 13 Apr 2023 18:33

Instrument :

MSVOA\_D

ClientSampleId :

PL-02-041223

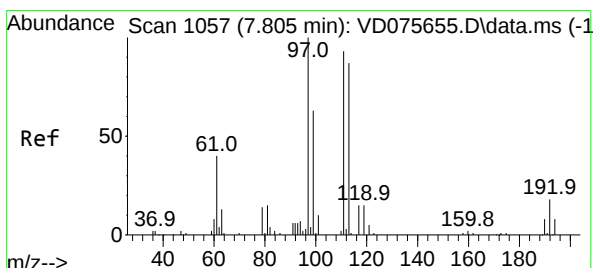
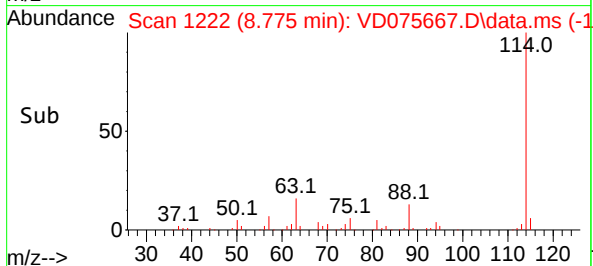
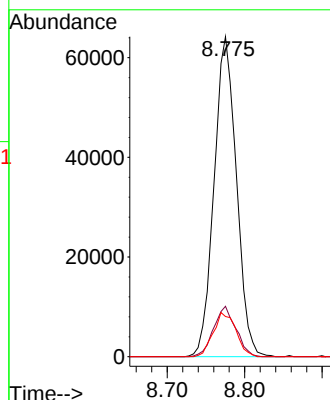
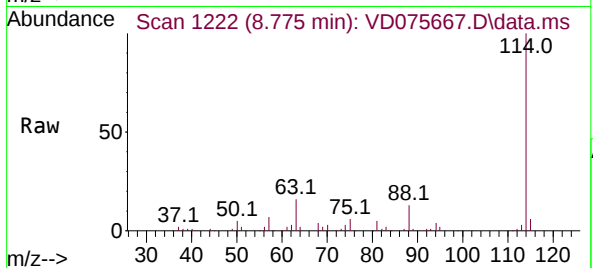
Tgt Ion:114 Resp: 128585

Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 12.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 61.606 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075667.D

Acq: 13 Apr 2023 18:33

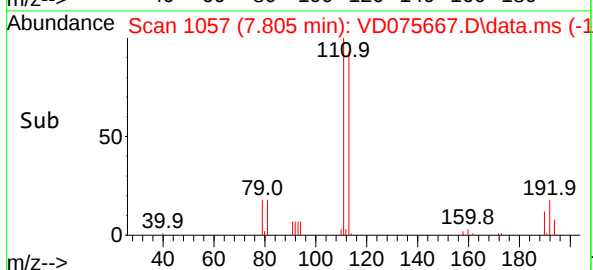
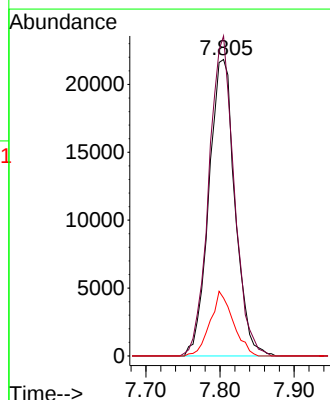
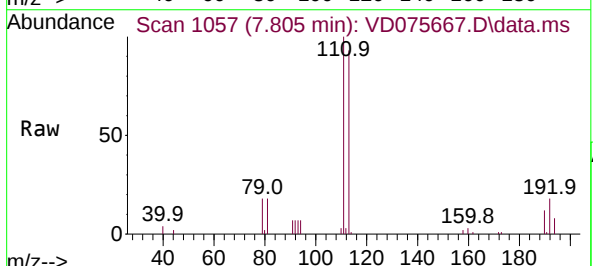
Tgt Ion:113 Resp: 53281

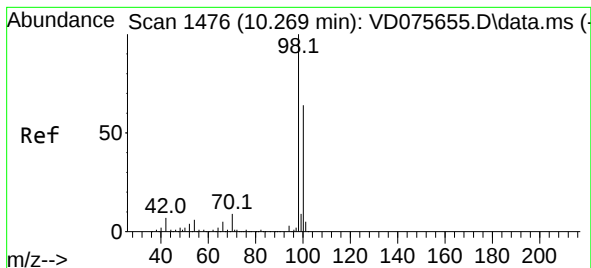
Ion Ratio Lower Upper

113 100

111 104.9 81.4 122.0

192 19.3 15.2 22.8

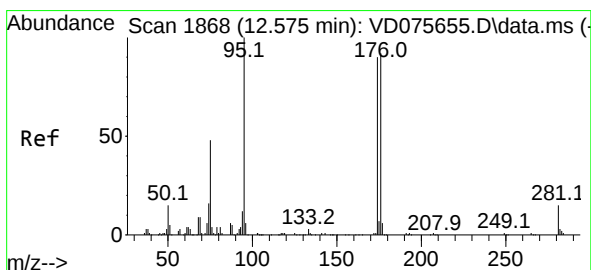
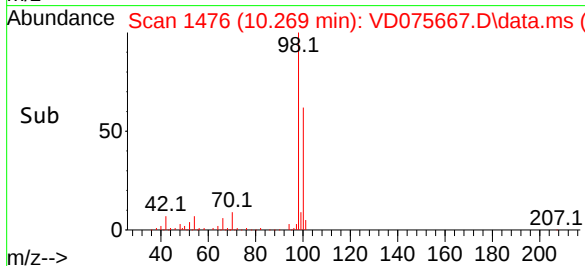
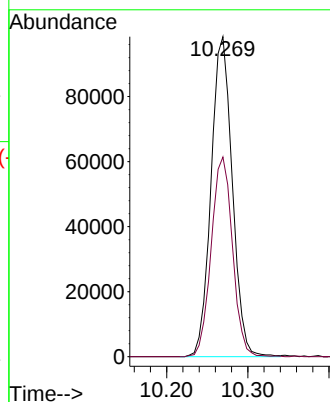
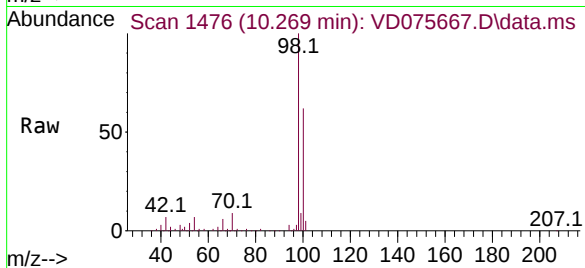




#50  
Toluene-d8  
Concen: 51.589 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

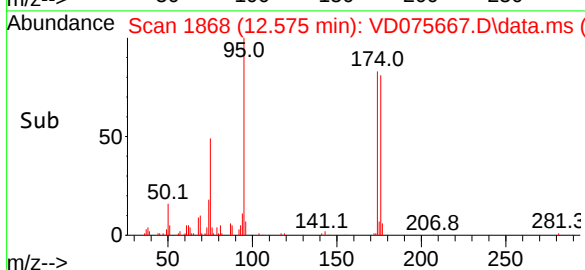
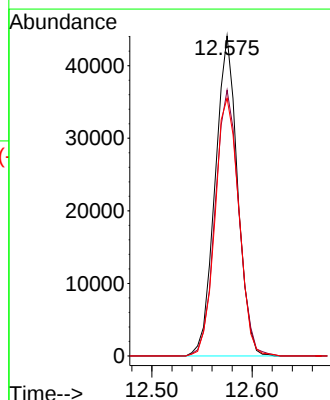
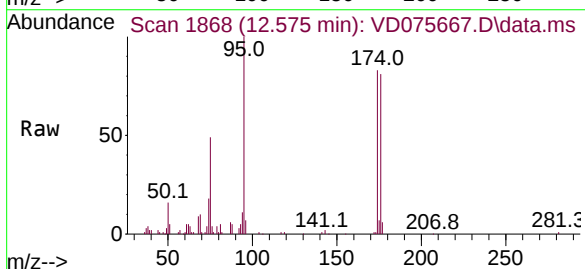
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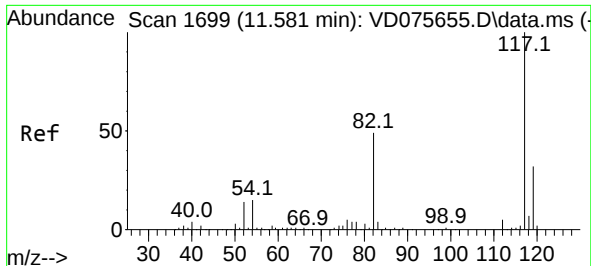
Tgt Ion: 98 Resp: 178673  
Ion Ratio Lower Upper  
98 100  
100 62.5 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 74.358 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion: 95 Resp: 68451  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 164.0  
176 85.5 0.0 156.8

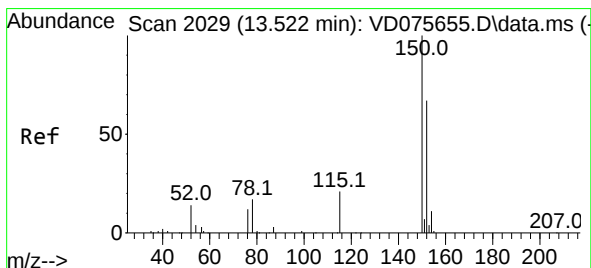
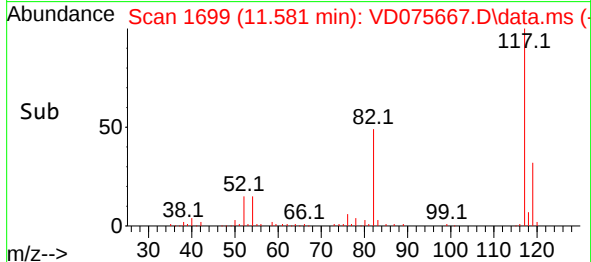
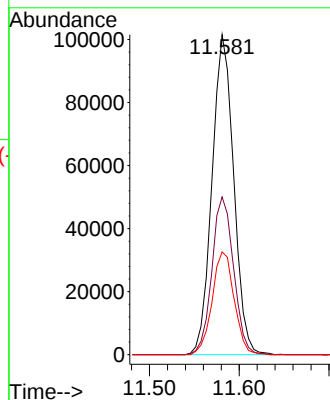
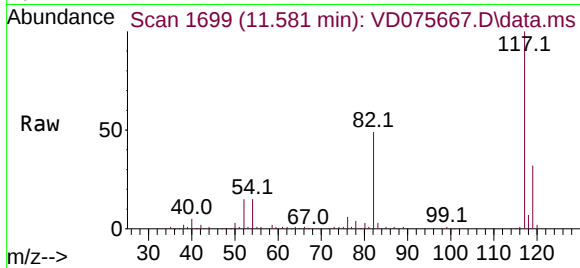




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
PL-02-041223

Tgt Ion:117 Resp: 170264  
Ion Ratio Lower Upper  
117 100  
82 49.3 44.0 66.0  
119 32.1 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD075667.D  
Acq: 13 Apr 2023 18:33

Tgt Ion:152 Resp: 86541  
Ion Ratio Lower Upper  
152 100  
115 54.6 30.1 90.3  
150 155.0 0.0 364.8

