

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041923\  
 Data File : VD075752.D  
 Acq On : 19 Apr 2023 16:46  
 Operator : KP/SY  
 Sample : 02270-26  
 Misc : 4.17G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-16-14-16-20230413

Quant Time: Apr 20 06:01:21 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      | 7.875  | 168  | 218061   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 430198   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 392740   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 161589   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 116701   | 56.382   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.760% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 146977   | 50.795   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.600% |
| 50) Toluene-d8              | 10.269 | 98    | 561650   | 48.471   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.940%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 139295   | 45.228   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 90.460%  |

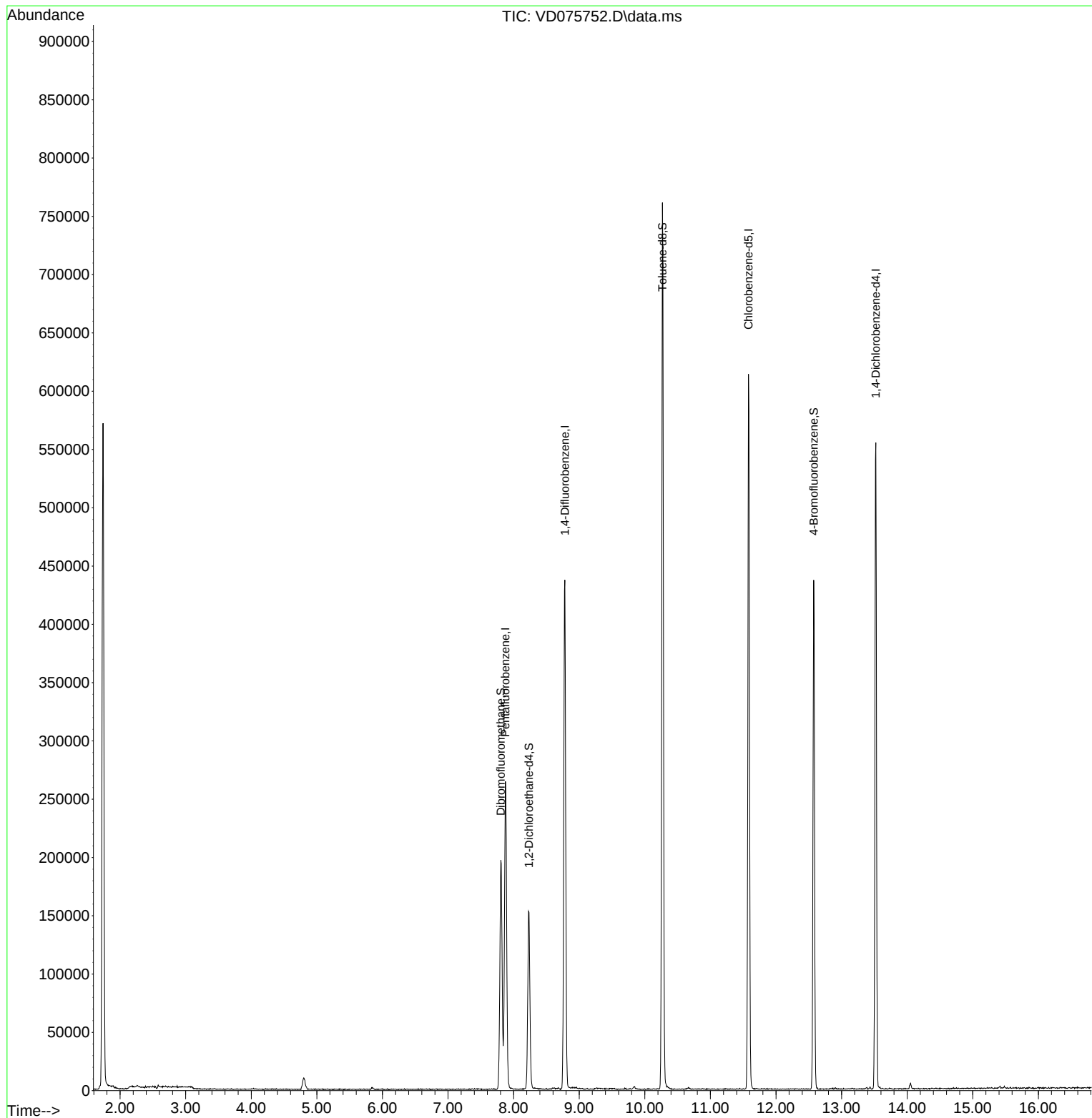
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

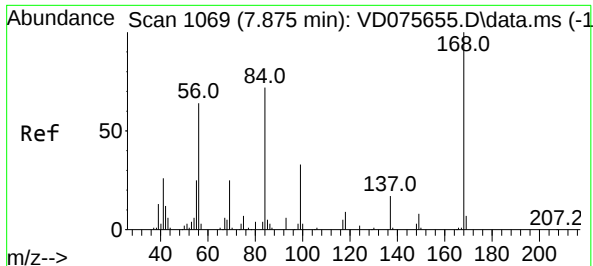
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-16-14-16-20230413

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

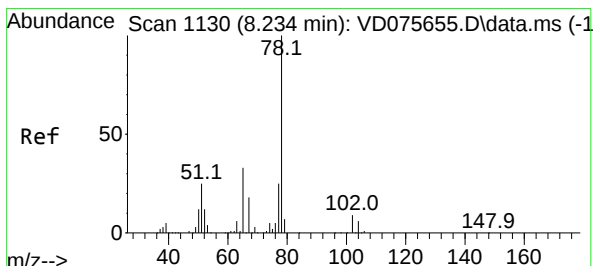
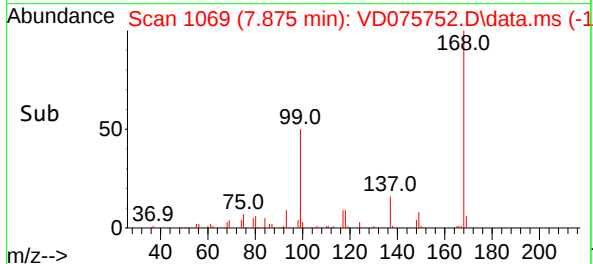
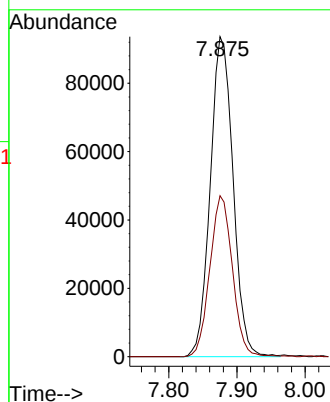
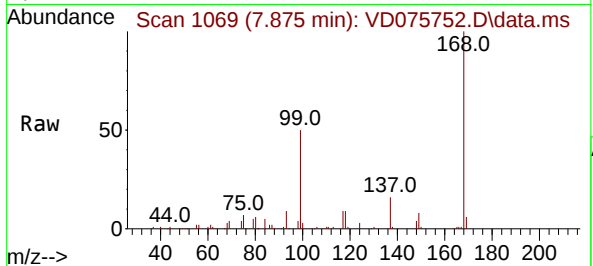




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

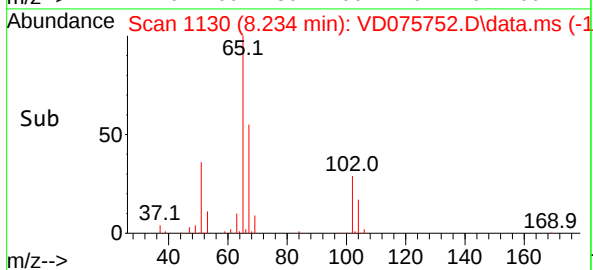
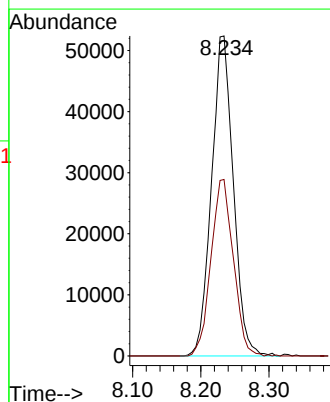
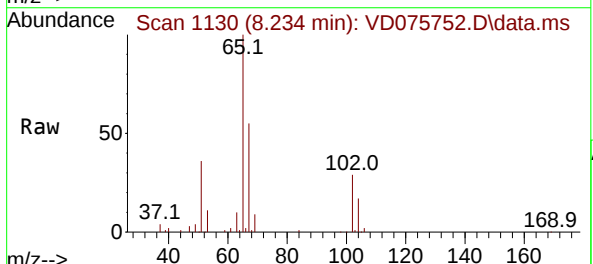
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16-14-16-20230413

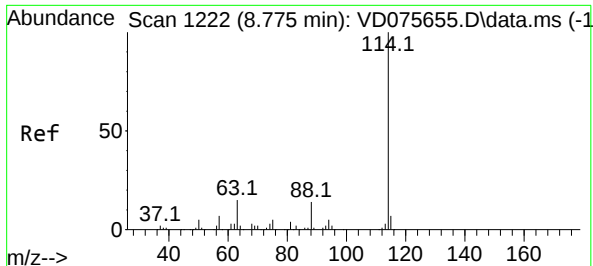
Tgt Ion:168 Resp: 218061  
Ion Ratio Lower Upper  
168 100  
99 50.3 43.8 65.6



#33  
1,2-Dichloroethane-d4  
Concen: 56.382 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

Tgt Ion: 65 Resp: 116701  
Ion Ratio Lower Upper  
65 100  
67 56.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075752.D

Acq: 19 Apr 2023 16:46

Instrument :

MSVOA\_D

ClientSampleId :

SB-16-14-16-20230413

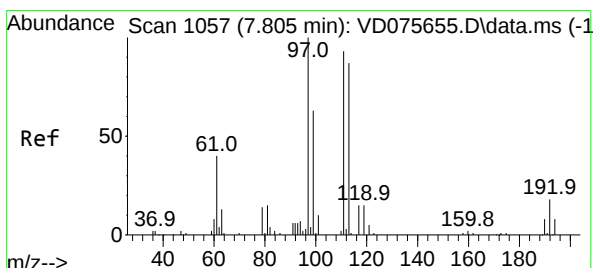
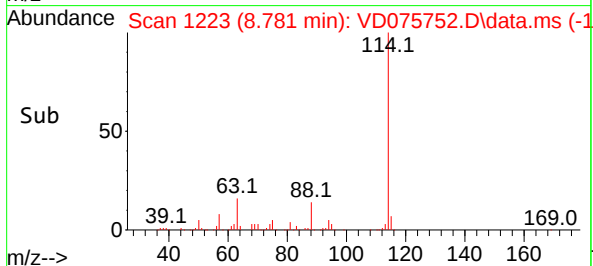
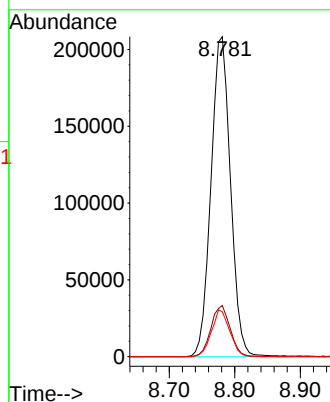
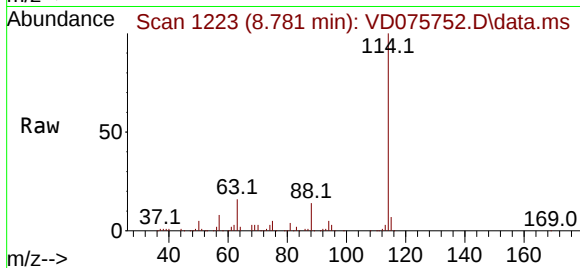
Tgt Ion:114 Resp: 430198

Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.795 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075752.D

Acq: 19 Apr 2023 16:46

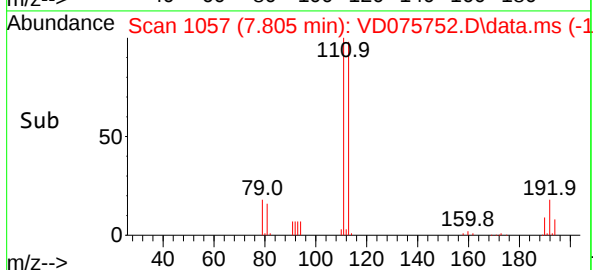
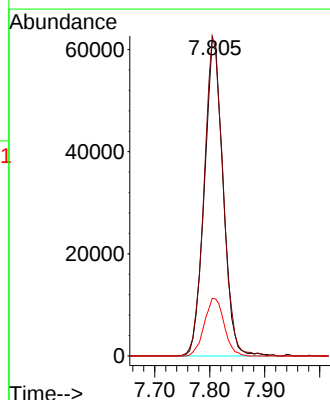
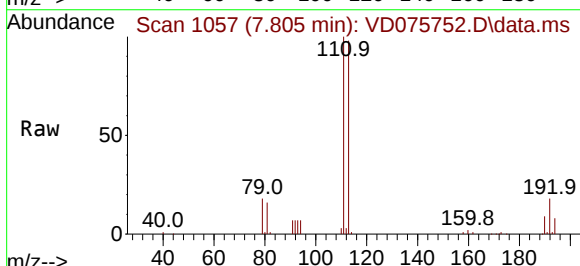
Tgt Ion:113 Resp: 146977

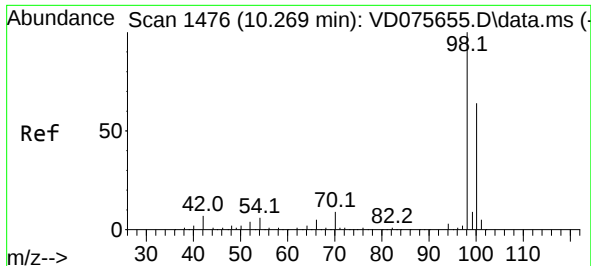
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 19.2 15.2 22.8

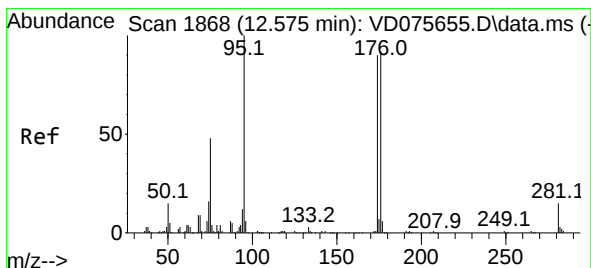
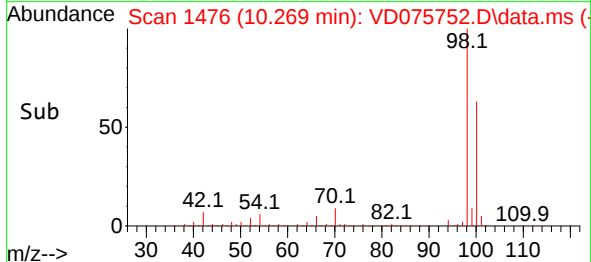
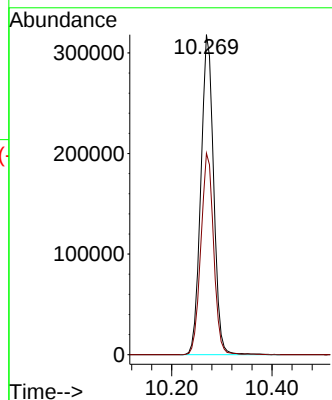
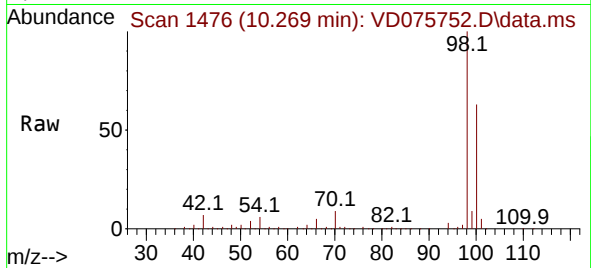




#50  
Toluene-d8  
Concen: 48.471 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

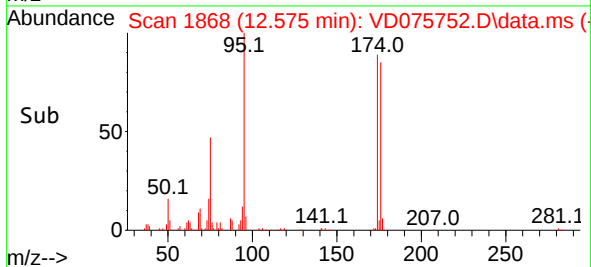
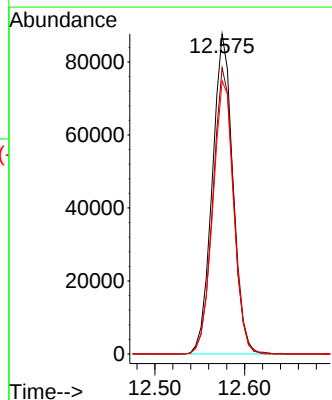
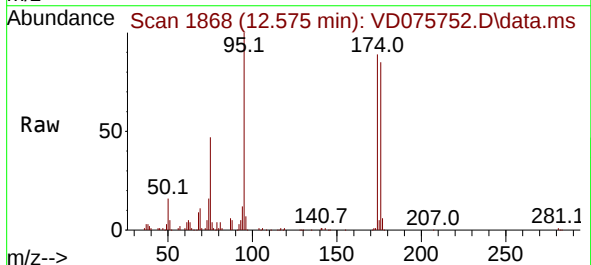
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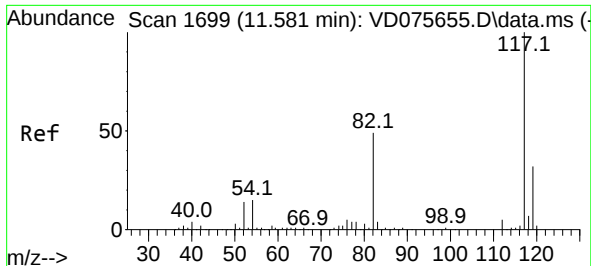
Tgt Ion: 98 Resp: 561650  
Ion Ratio Lower Upper  
98 100  
100 63.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 45.228 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

Tgt Ion: 95 Resp: 139295  
Ion Ratio Lower Upper  
95 100  
174 90.9 0.0 164.0  
176 86.7 0.0 156.8

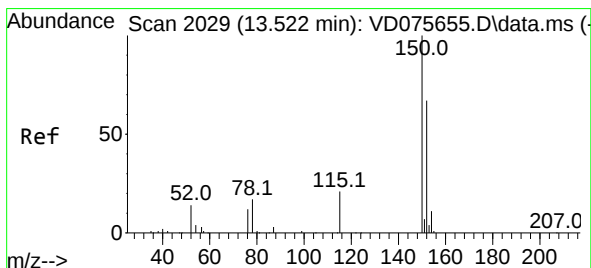
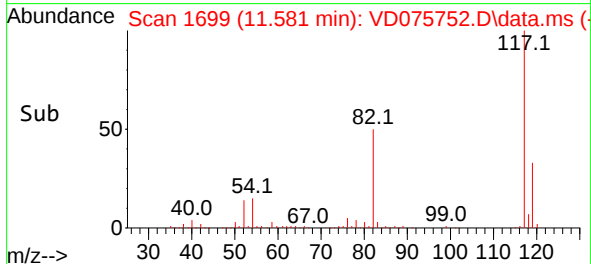
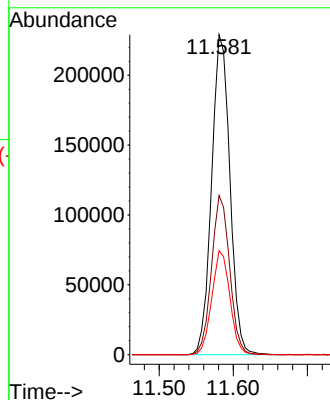
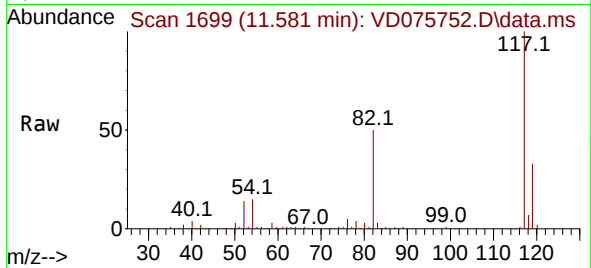




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16-14-16-20230413

Tgt Ion:117 Resp: 392740  
Ion Ratio Lower Upper  
117 100  
82 49.8 44.0 66.0  
119 32.5 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD075752.D  
Acq: 19 Apr 2023 16:46

Tgt Ion:152 Resp: 161589  
Ion Ratio Lower Upper  
152 100  
115 53.5 30.1 90.3  
150 158.7 0.0 364.8

