

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031824\  
 Data File : VD078695.D  
 Acq On : 18 Mar 2024 14:29  
 Operator : RP/MD  
 Sample : P1746-13  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-04-4.0-6.0

Quant Time: Mar 19 01:26:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 90551    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 164815   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 151171   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 52701    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 51718    | 60.944   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 121.880% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 58676    | 55.294   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.580% |
| 50) Toluene-d8              | 10.269 | 98    | 200976   | 51.498   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.000% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 47075    | 41.231   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.460%  |

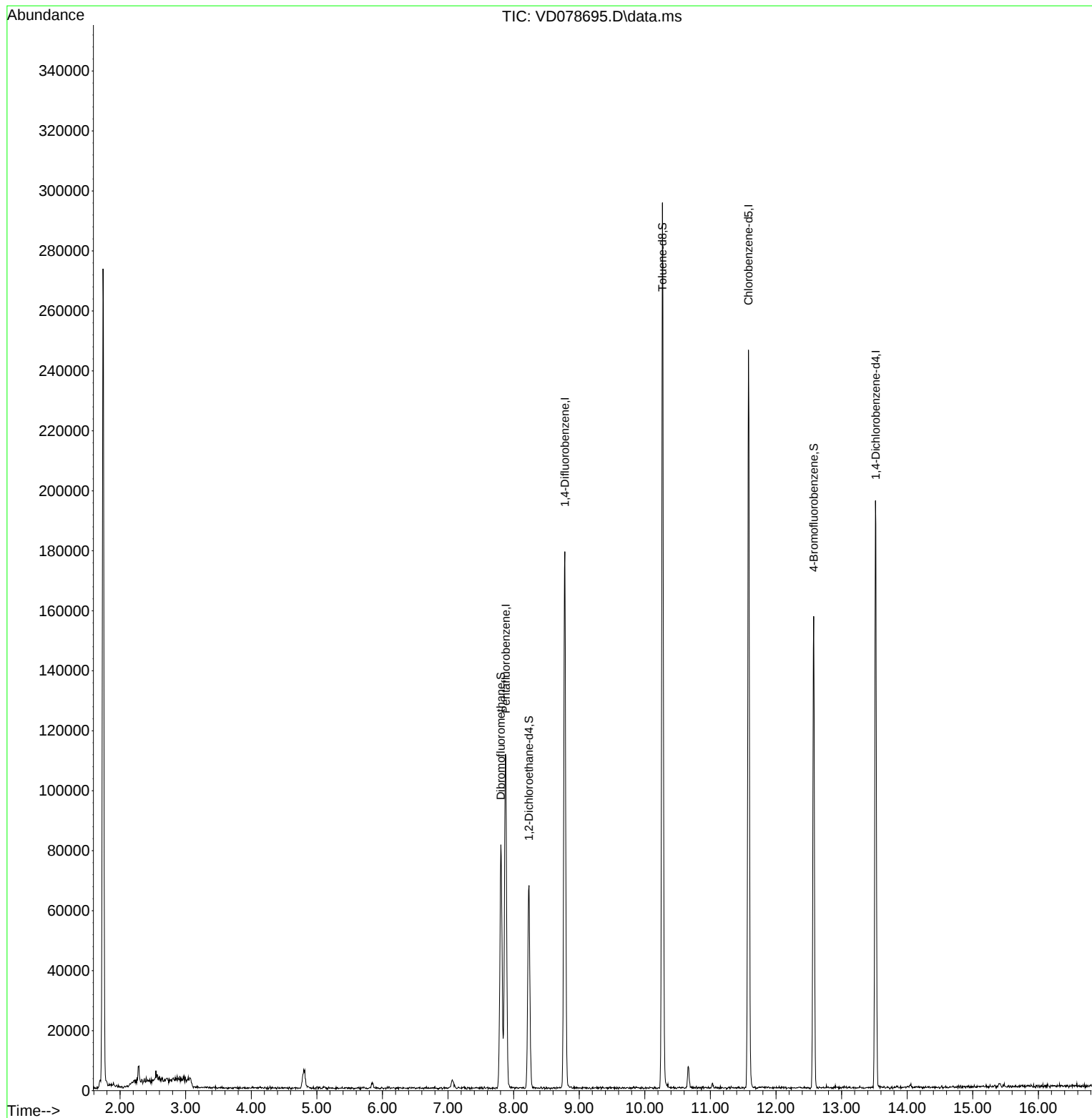
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

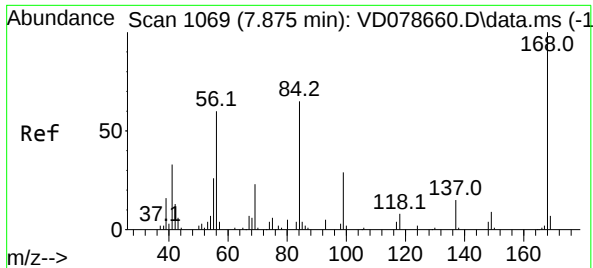
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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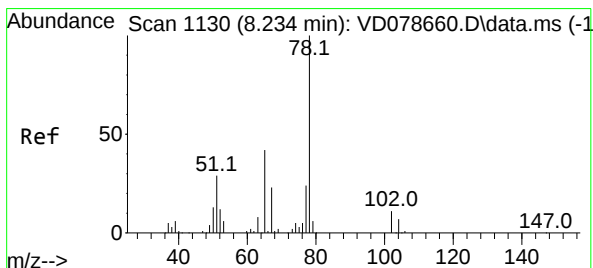
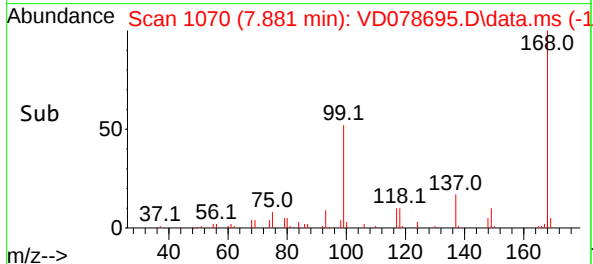
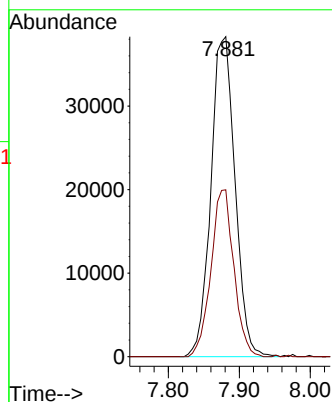
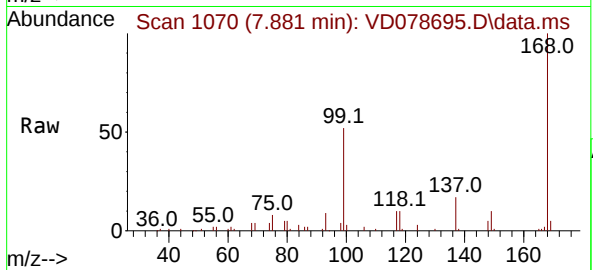




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD078695.D  
Acq: 18 Mar 2024 14:29

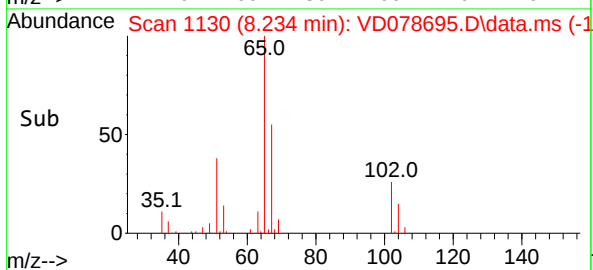
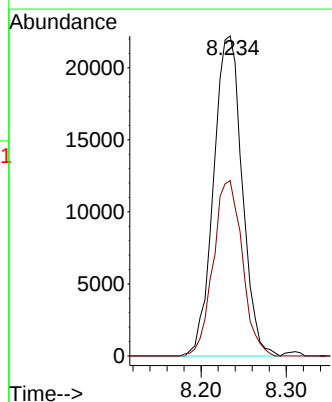
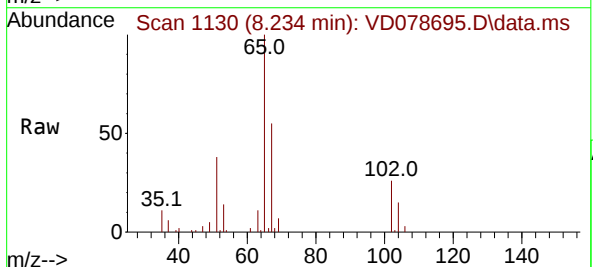
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-04-4.0-6.0

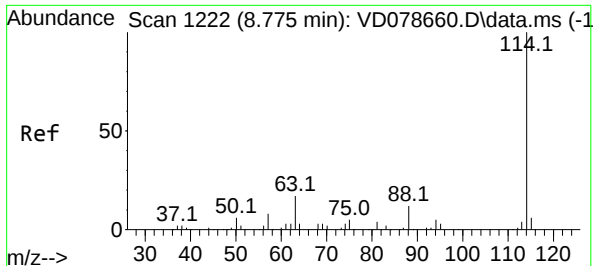
Tgt Ion:168 Resp: 90551  
Ion Ratio Lower Upper  
168 100  
99 52.1 38.8 58.2



#33  
1,2-Dichloroethane-d4  
Concen: 60.944 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VD078695.D  
Acq: 18 Mar 2024 14:29

Tgt Ion: 65 Resp: 51718  
Ion Ratio Lower Upper  
65 100  
67 55.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078695.D

Acq: 18 Mar 2024 14:29

Instrument :

MSVOA\_D

ClientSampleId :

SB-04-4.0-6.0

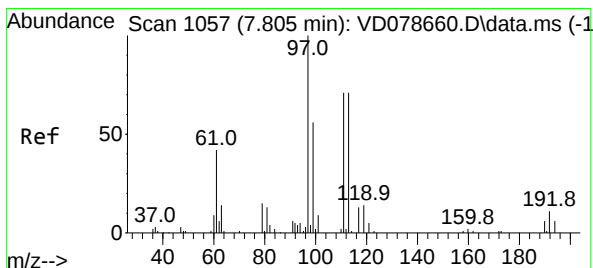
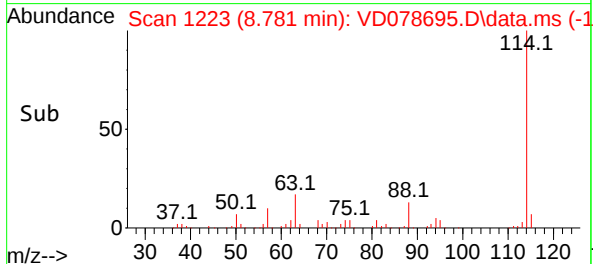
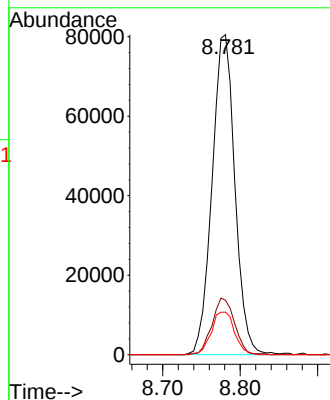
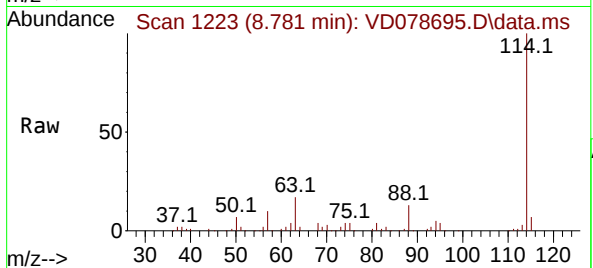
Tgt Ion:114 Resp: 164815

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 13.3 0.0 24.6



#35

Dibromofluoromethane

Concen: 55.294 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD078695.D

Acq: 18 Mar 2024 14:29

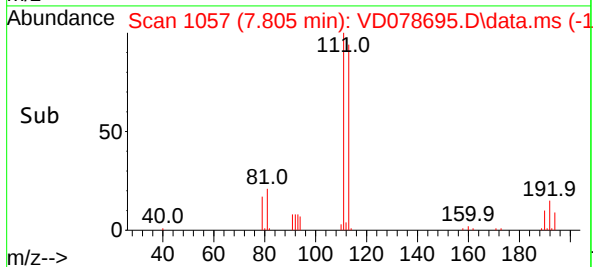
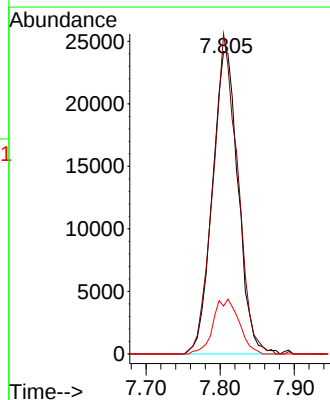
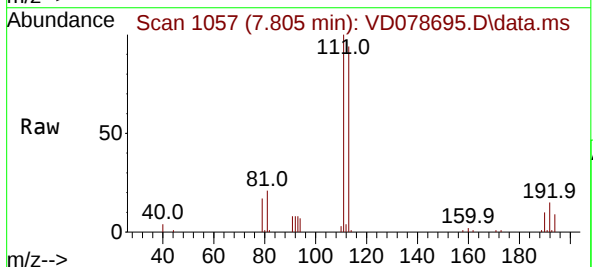
Tgt Ion:113 Resp: 58676

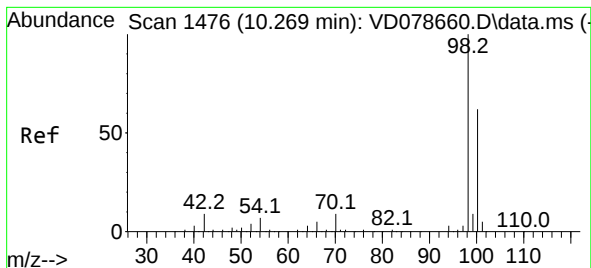
Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 18.2 15.4 23.0

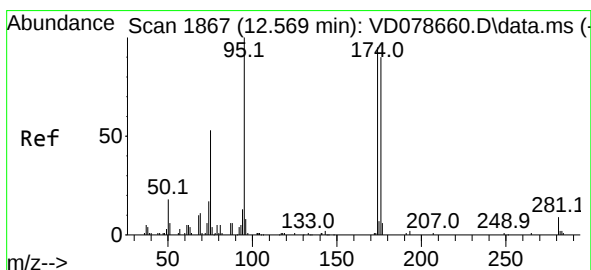
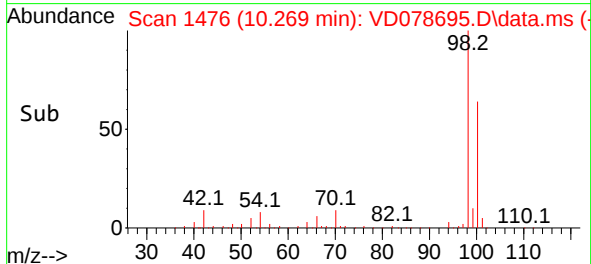
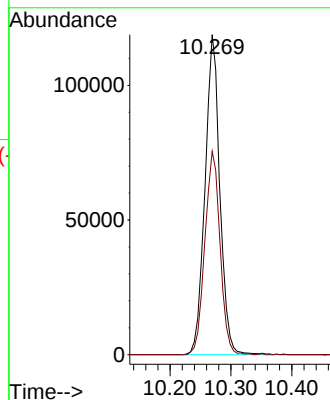
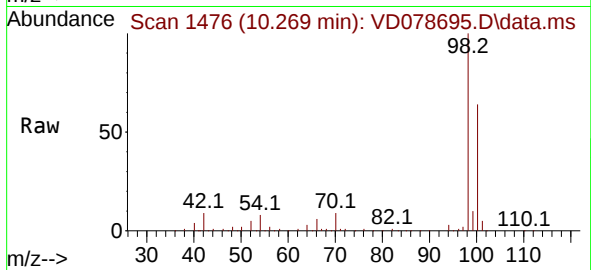




#50  
Toluene-d8  
Concen: 51.498 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078695.D  
Acq: 18 Mar 2024 14:29

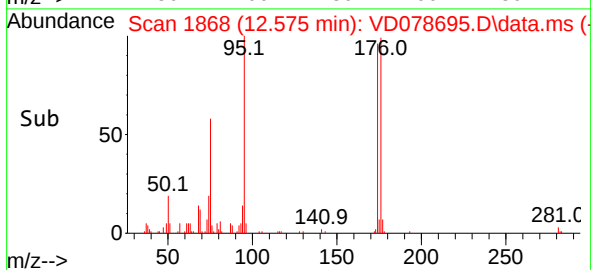
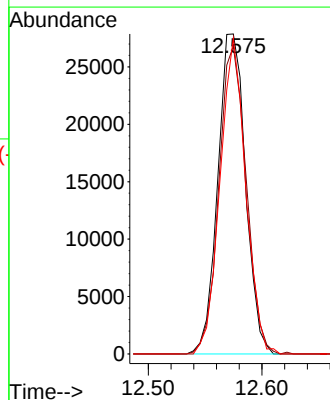
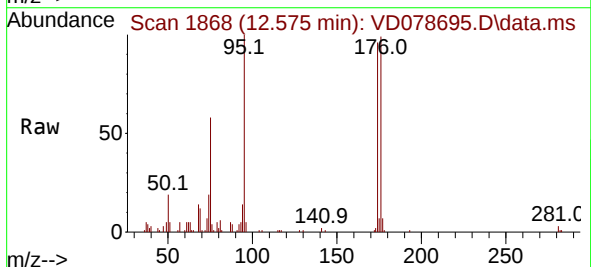
Instrument :  
MSVOA\_D  
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SB-04-4.0-6.0

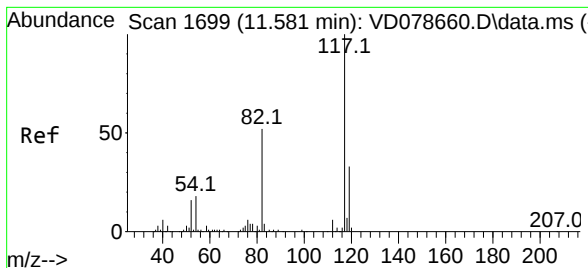
Tgt Ion: 98 Resp: 200976  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 41.231 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078695.D  
Acq: 18 Mar 2024 14:29

Tgt Ion: 95 Resp: 47075  
Ion Ratio Lower Upper  
95 100  
174 95.1 0.0 195.2  
176 91.5 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078695.D

Acq: 18 Mar 2024 14:29

Instrument :

MSVOA\_D

ClientSampleId :

SB-04-4.0-6.0

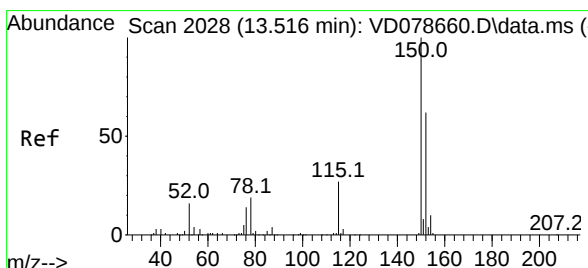
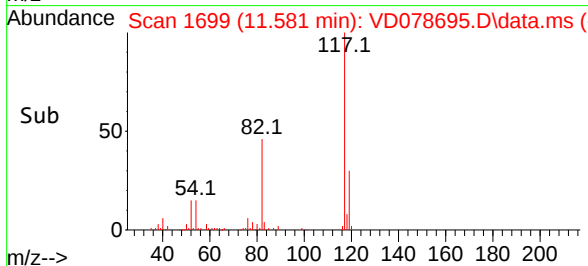
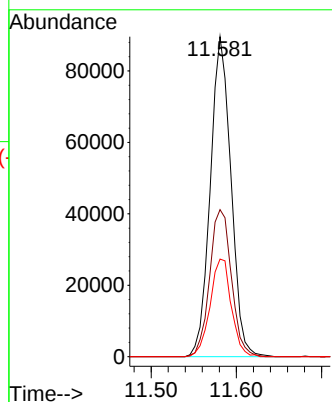
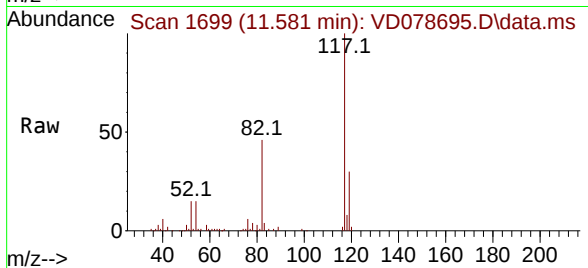
Tgt Ion:117 Resp: 151171

Ion Ratio Lower Upper

117 100

82 46.0 41.4 62.2

119 30.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD078695.D

Acq: 18 Mar 2024 14:29

Tgt Ion:152 Resp: 52701

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.2

150 162.5 0.0 350.2

