

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080724\  
 Data File : VD079656.D  
 Acq On : 07 Aug 2024 23:30  
 Operator : RP/MD  
 Sample : VD0807SBL02  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0807SBL02

Quant Time: Aug 08 01:57:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 175489   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 338723   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 310824   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 128585   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 104797   | 58.782   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.560% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 113673   | 49.582   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.160%  |
| 50) Toluene-d8              | 10.269 | 98    | 398653   | 44.777   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.560%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 104612   | 40.604   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.200%  |

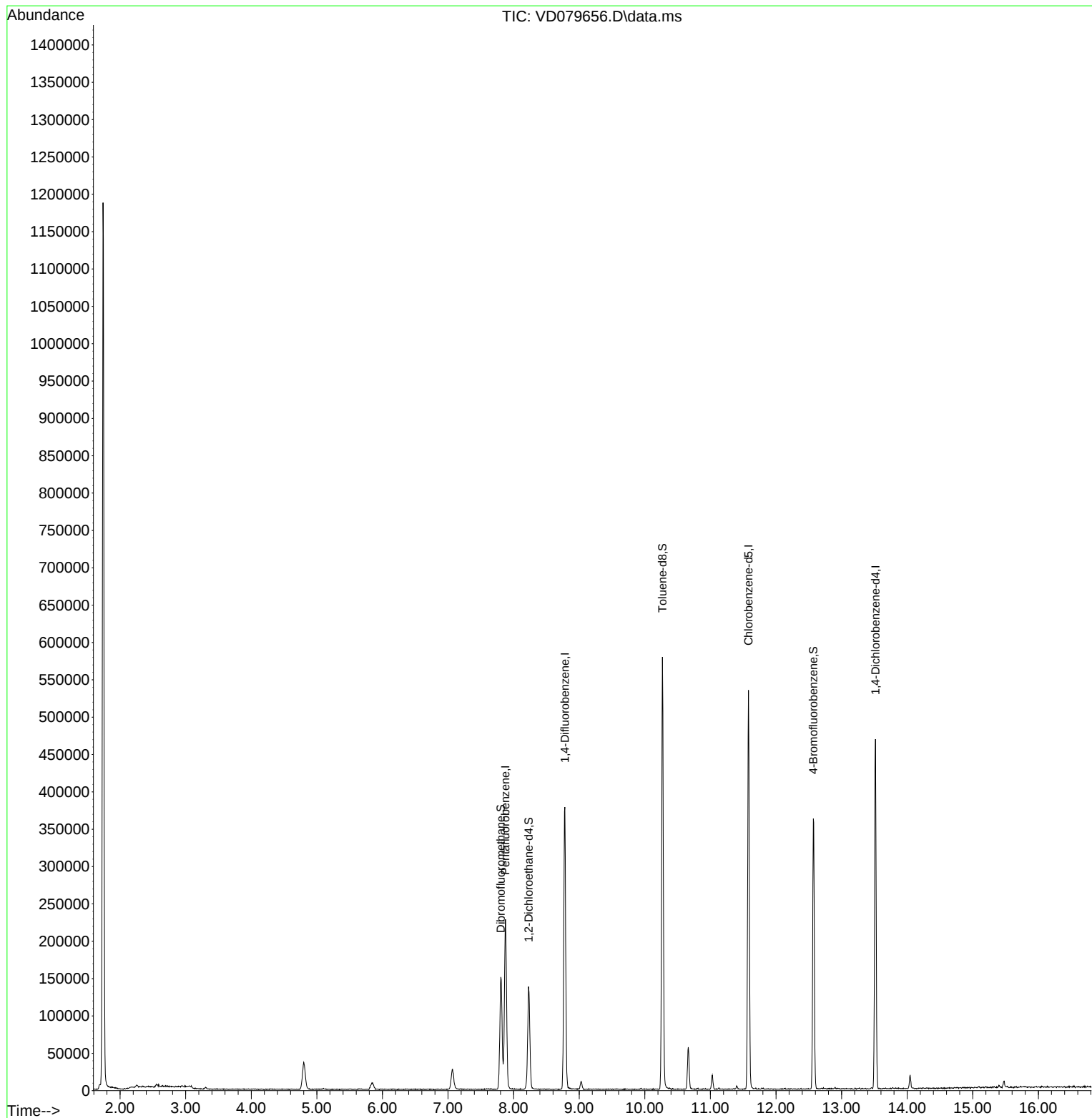
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

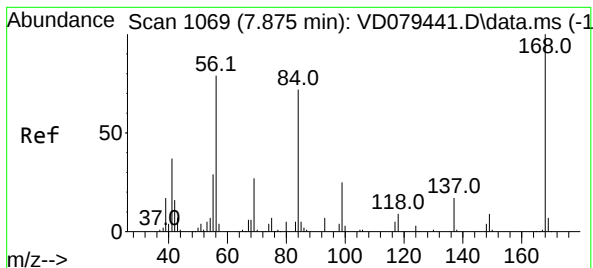
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration

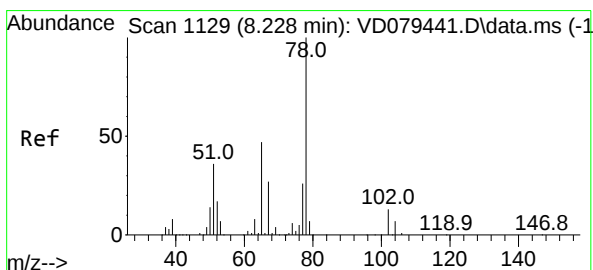
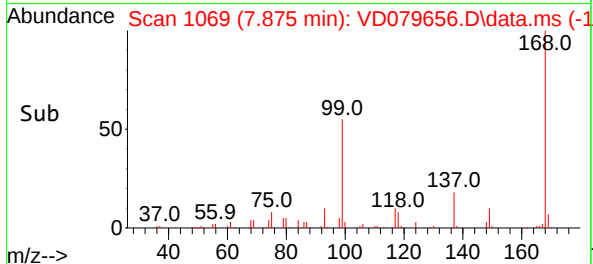
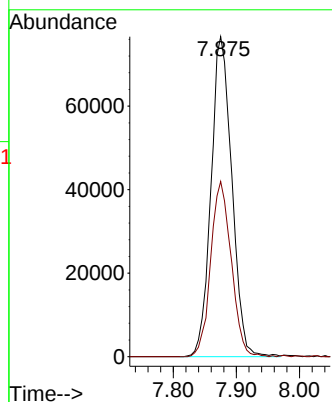
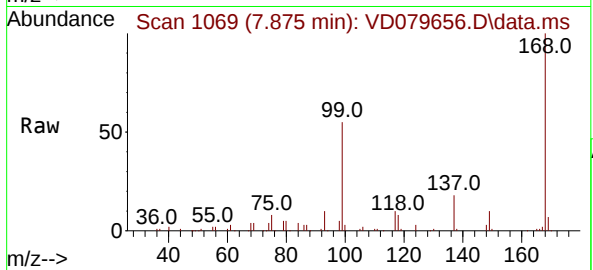




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079656.D  
Acq: 07 Aug 2024 23:30

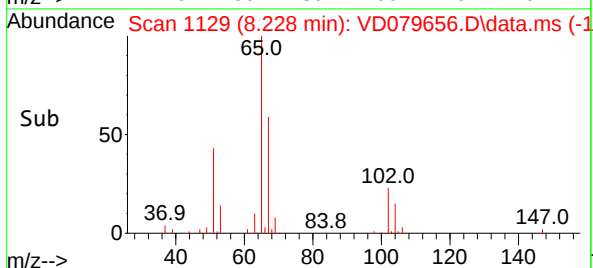
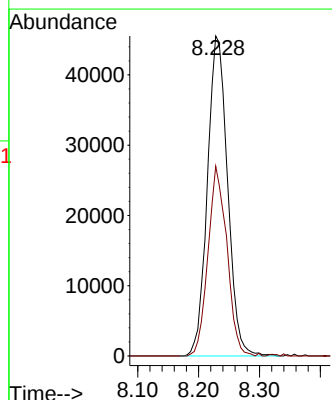
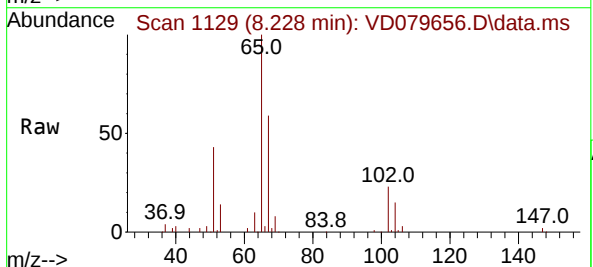
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0807SBL02

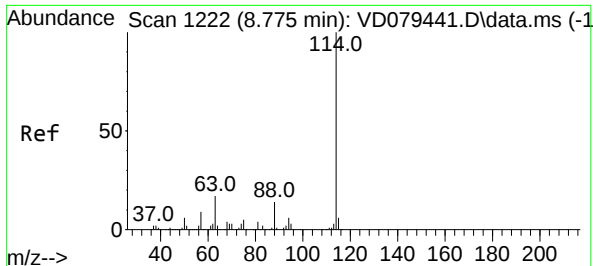
Tgt Ion:168 Resp: 175489  
Ion Ratio Lower Upper  
168 100  
99 54.7 41.1 61.7



#33  
1,2-Dichloroethane-d4  
Concen: 58.782 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD079656.D  
Acq: 07 Aug 2024 23:30

Tgt Ion: 65 Resp: 104797  
Ion Ratio Lower Upper  
65 100  
67 55.5 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0807SBL02

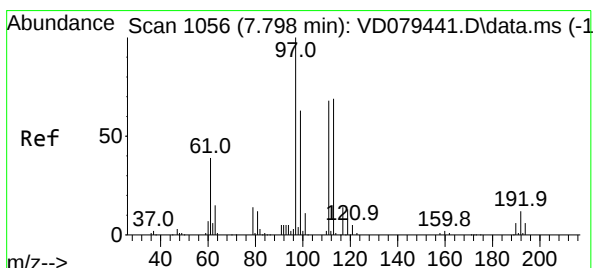
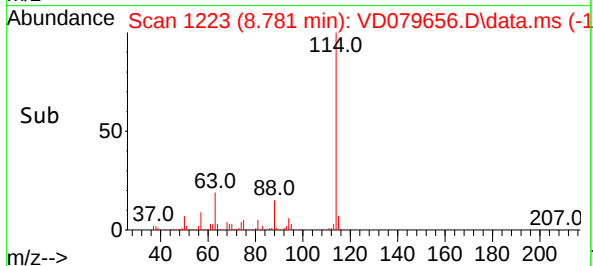
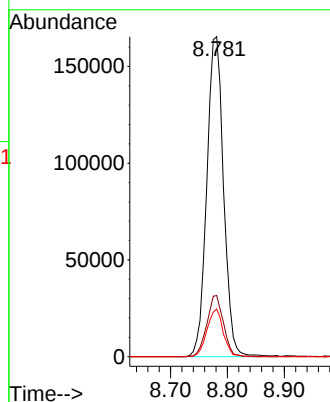
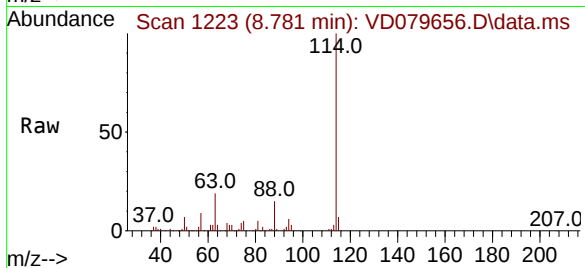
Tgt Ion:114 Resp: 338723

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.582 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

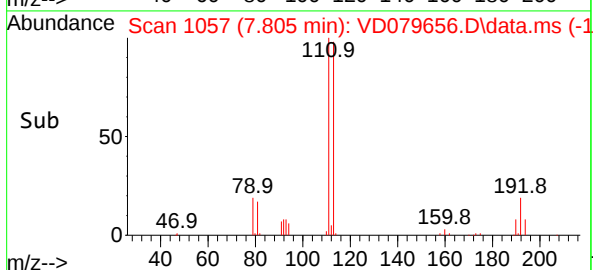
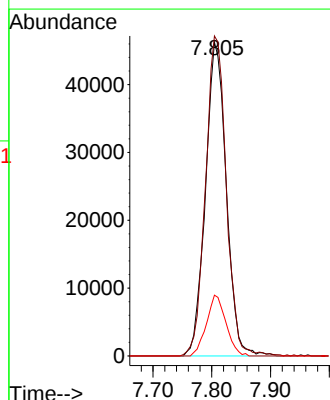
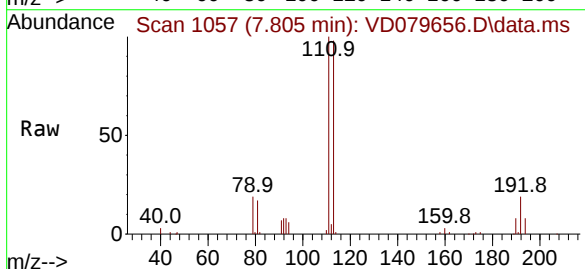
Tgt Ion:113 Resp: 113673

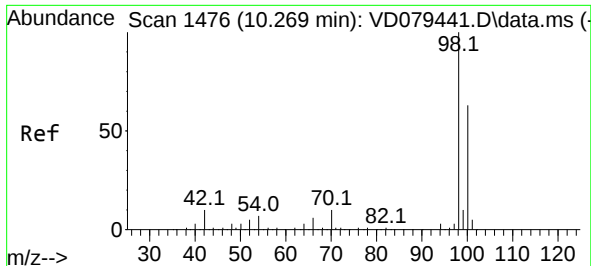
Ion Ratio Lower Upper

113 100

111 102.1 84.0 126.0

192 18.2 15.4 23.0

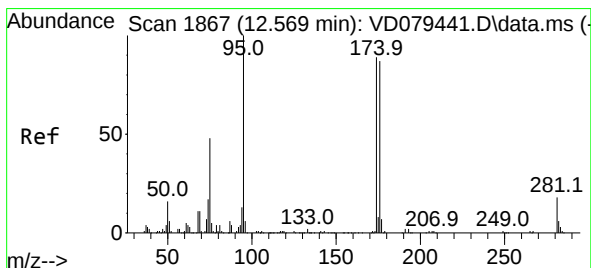
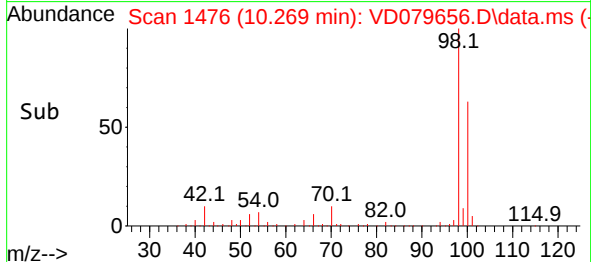
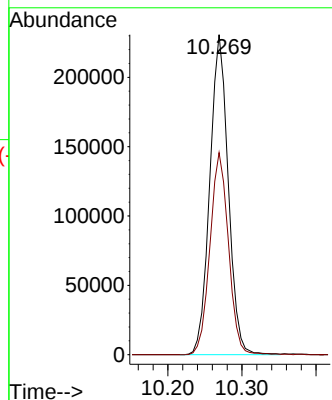
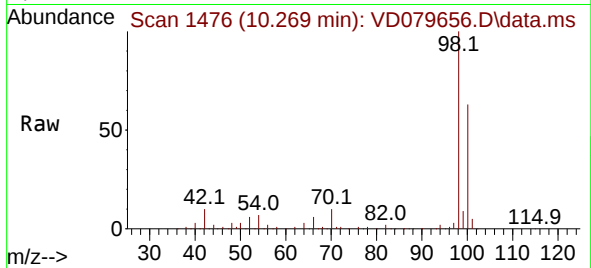




#50  
Toluene-d8  
Concen: 44.777 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079656.D  
Acq: 07 Aug 2024 23:30

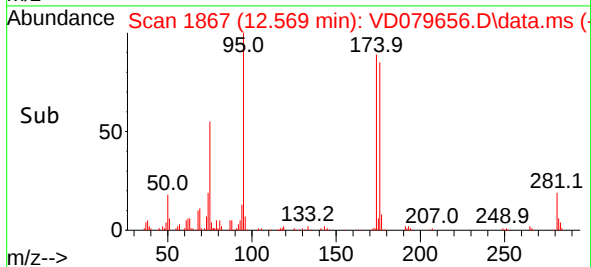
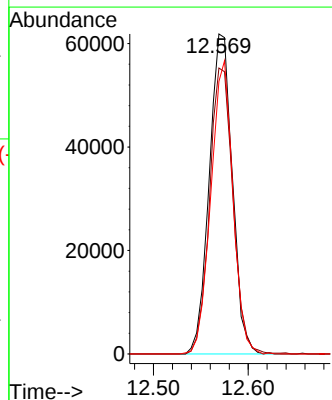
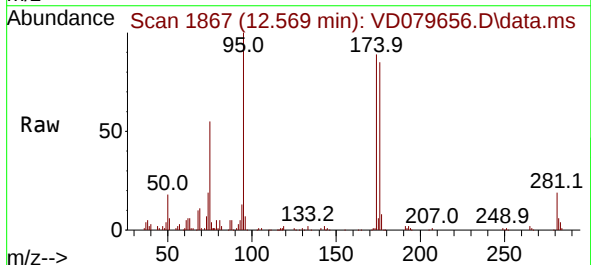
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0807SBL02

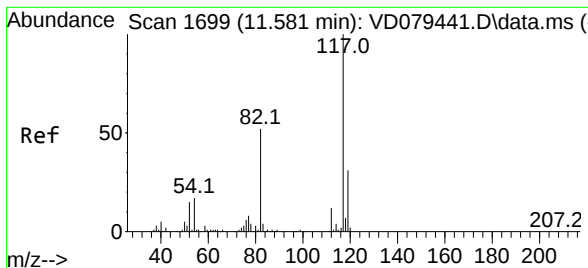
Tgt Ion: 98 Resp: 398653  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 40.604 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079656.D  
Acq: 07 Aug 2024 23:30

Tgt Ion: 95 Resp: 104612  
Ion Ratio Lower Upper  
95 100  
174 90.4 0.0 195.4  
176 87.7 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0807SBL02

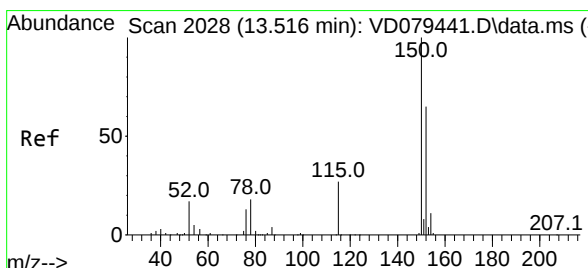
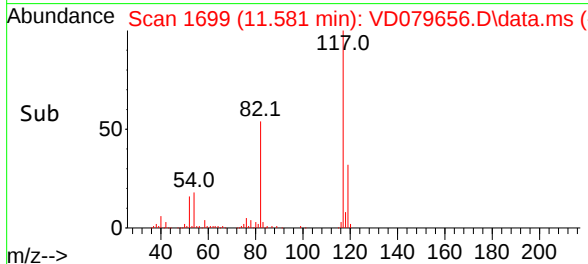
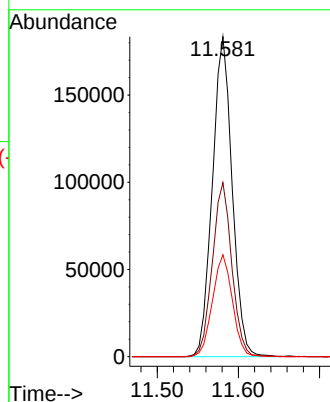
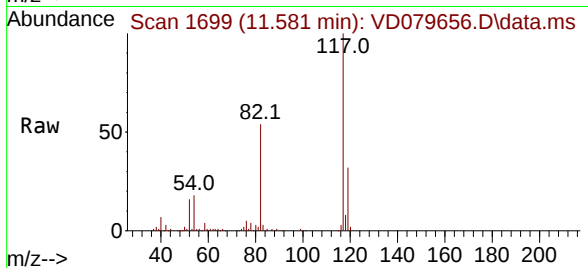
Tgt Ion:117 Resp: 310824

Ion Ratio Lower Upper

117 100

82 54.4 39.8 59.6

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Tgt Ion:152 Resp: 128585

Ion Ratio Lower Upper

152 100

115 56.5 26.5 79.5

150 155.8 0.0 341.6

