

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
 Data File : VD078099.D  
 Acq On : 29 Dec 2023 10:20  
 Operator : RP/MD  
 Sample : VD1229SBL01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1229SBL01

Quant Time: Dec 29 22:31:31 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 27 03:40:16 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 215134   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 375352   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 368224   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 175681   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 93905    | 49.057   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.120%  |
| 35) Dibromofluoromethane    | 7.805  | 113   | 116478   | 48.228   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.460%  |
| 50) Toluene-d8              | 10.269 | 98    | 464757   | 54.689   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 109.380% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 142858   | 52.246   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.500% |

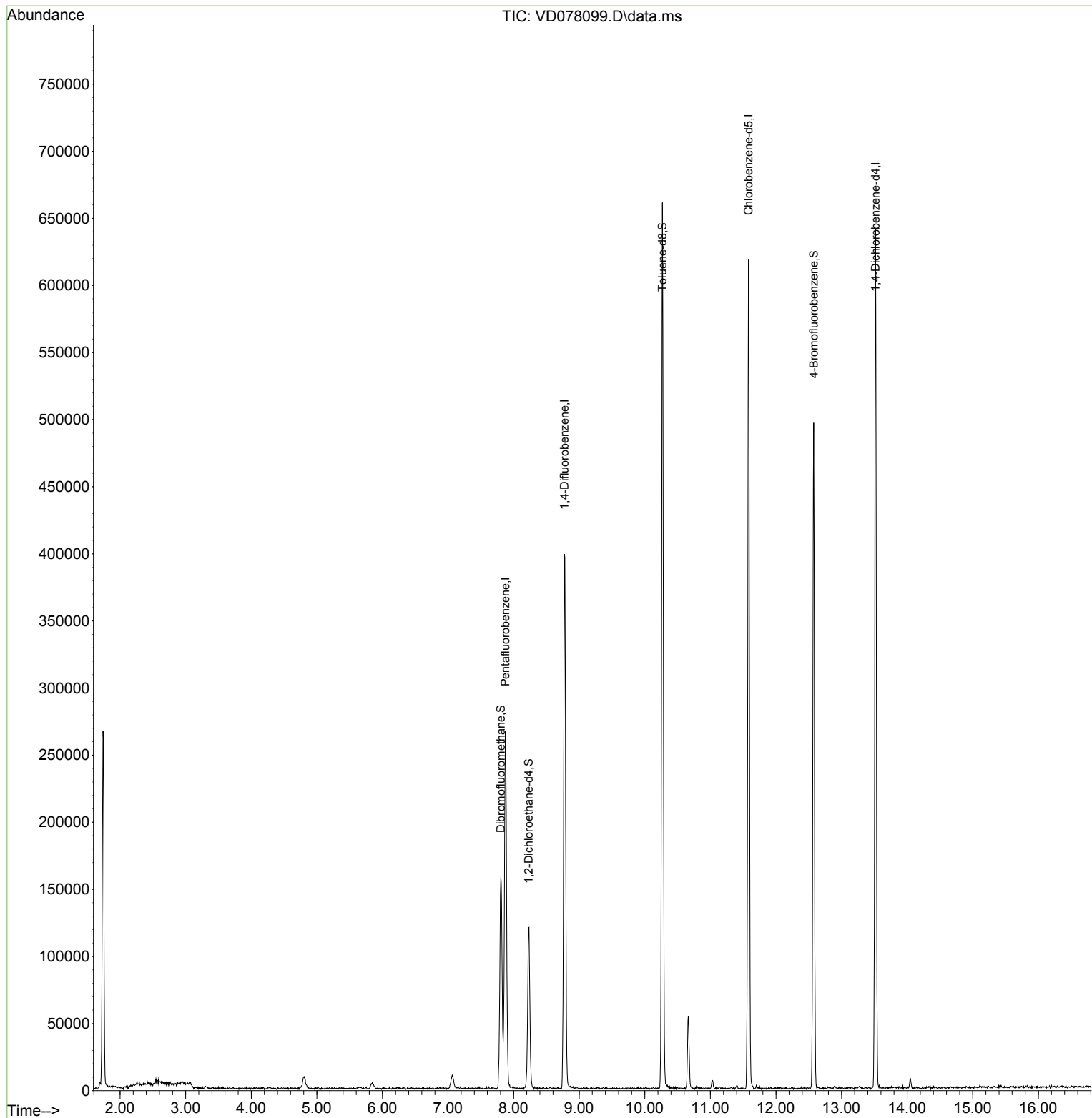
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

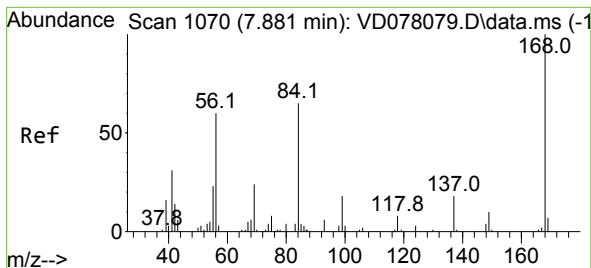
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Dec 27 03:40:16 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

Instrument :

MSVOA\_D

ClientSampleId :

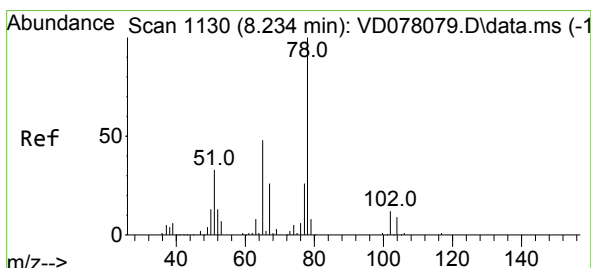
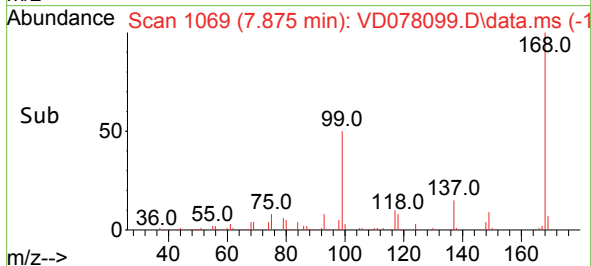
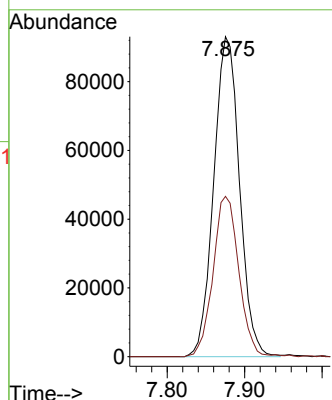
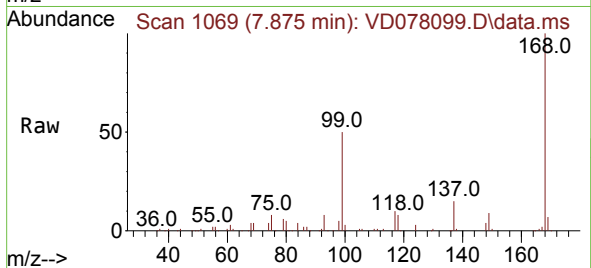
VD1229SBL01

Tgt Ion:168 Resp: 215134

Ion Ratio Lower Upper

168 100

99 50.1 36.7 55.1



#33

1,2-Dichloroethane-d4

Concen: 49.057 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078099.D

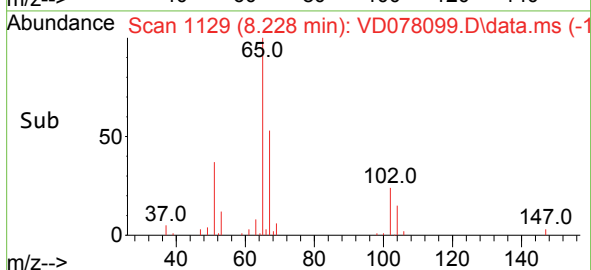
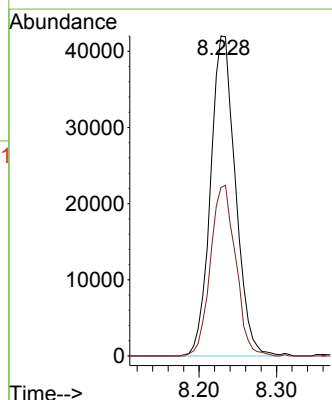
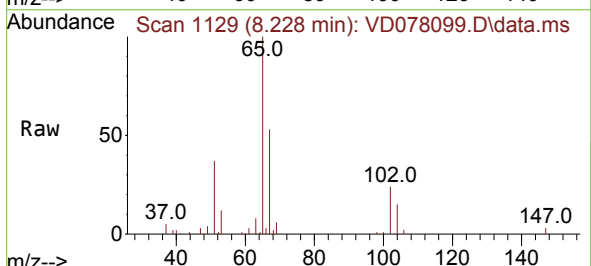
Acq: 29 Dec 2023 10:20

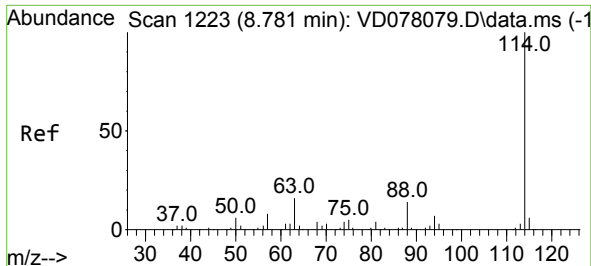
Tgt Ion: 65 Resp: 93905

Ion Ratio Lower Upper

65 100

67 53.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

Instrument :

MSVOA\_D

ClientSampleId :

VD1229SBL01

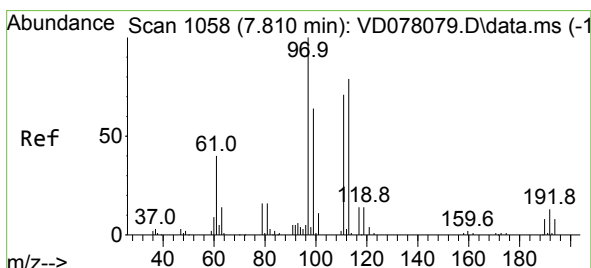
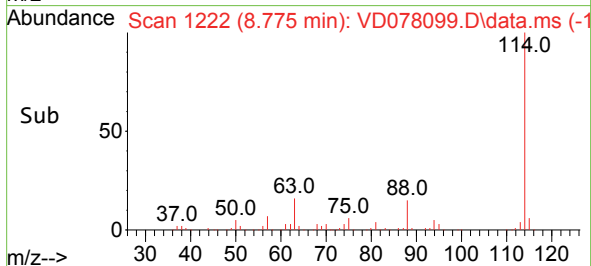
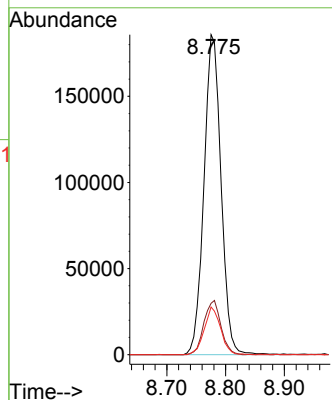
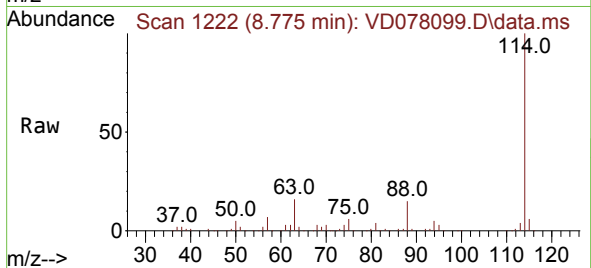
Tgt Ion:114 Resp: 375352

Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.4

88 14.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.228 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.005 min

Lab File: VD078099.D

Acq: 29 Dec 2023 10:20

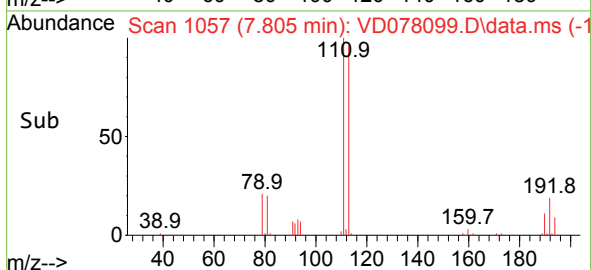
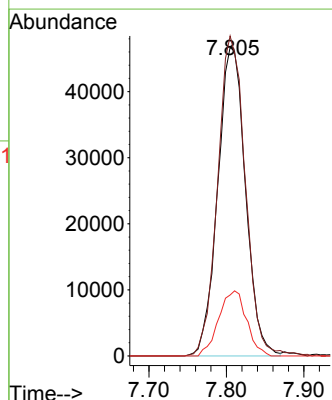
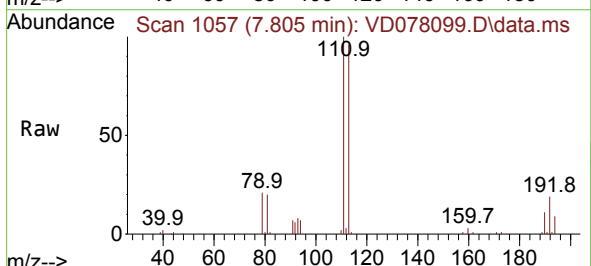
Tgt Ion:113 Resp: 116478

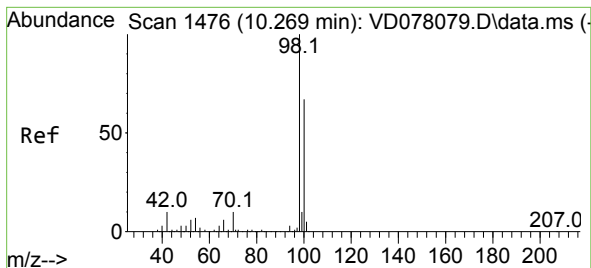
Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 21.2 16.8 25.2

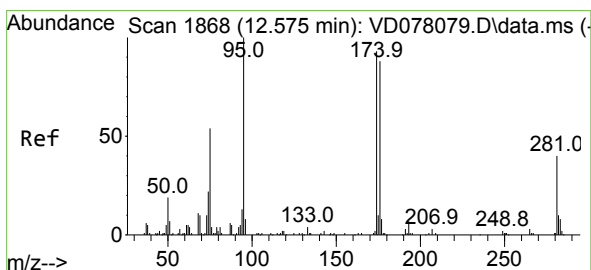
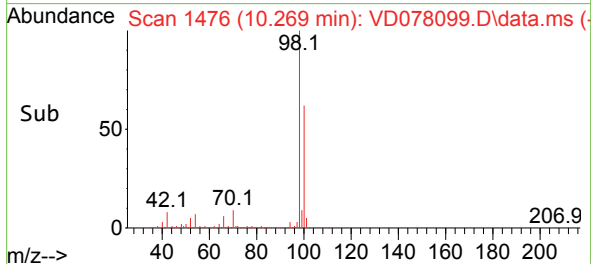
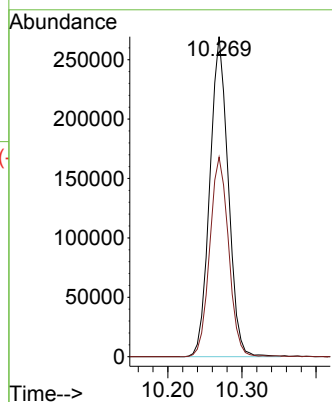
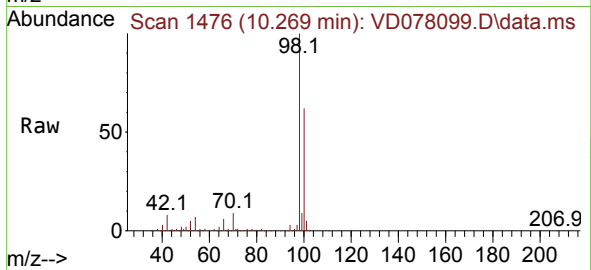




#50  
Toluene-d8  
Concen: 54.689 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

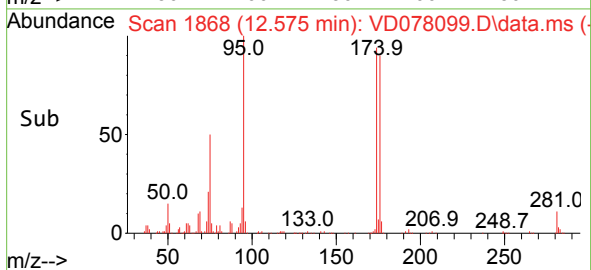
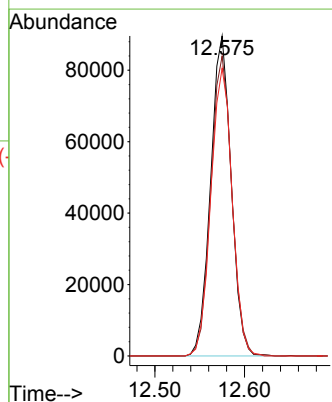
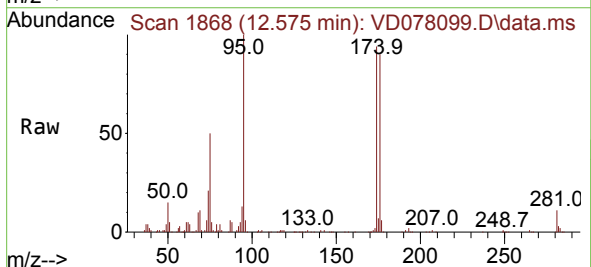
Instrument :  
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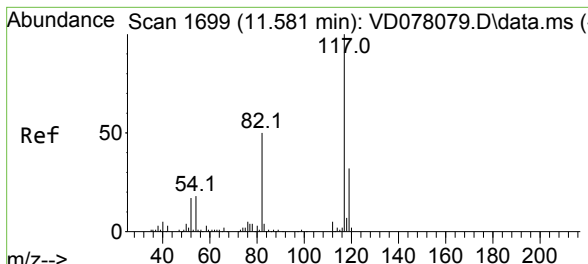
Tgt Ion: 98 Resp: 464757  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.3 75.5



#62  
4-Bromofluorobenzene  
Concen: 52.246 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion: 95 Resp: 142858  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 201.8  
176 92.8 0.0 191.8

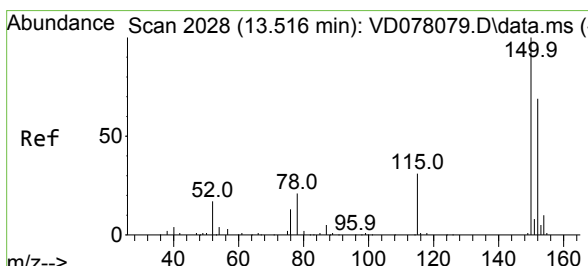
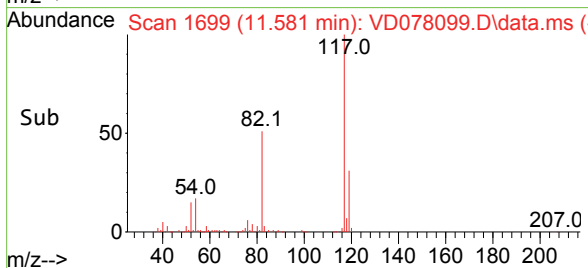
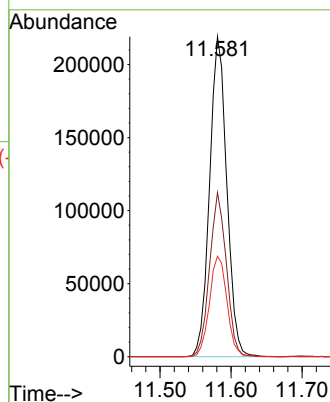
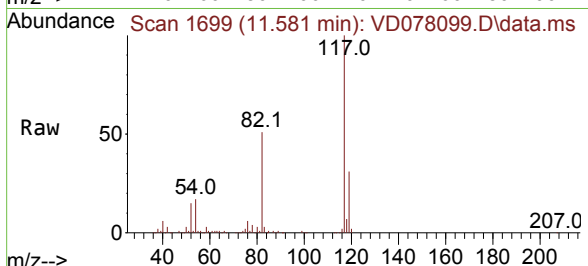




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1229SBL01

Tgt Ion:117 Resp: 368224  
Ion Ratio Lower Upper  
117 100  
82 51.3 38.3 57.5  
119 31.4 25.0 37.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD078099.D  
Acq: 29 Dec 2023 10:20

Tgt Ion:152 Resp: 175681  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.1 81.3  
150 157.3 0.0 353.6

