

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111422\  
 Data File : VD074939.D  
 Acq On : 14 Nov 2022 17:18  
 Operator : VA/SY  
 Sample : N5509-07  
 Misc : 4.35G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-12

Quant Time: Nov 15 00:17:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 136059   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 252047   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 229966   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 95977    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 68327    | 79.016   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 158.040% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 85134    | 54.795   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.580% |
| 50) Toluene-d8              | 10.269 | 98    | 319268   | 62.382   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 124.760% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 83597    | 53.194   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 106.380% |

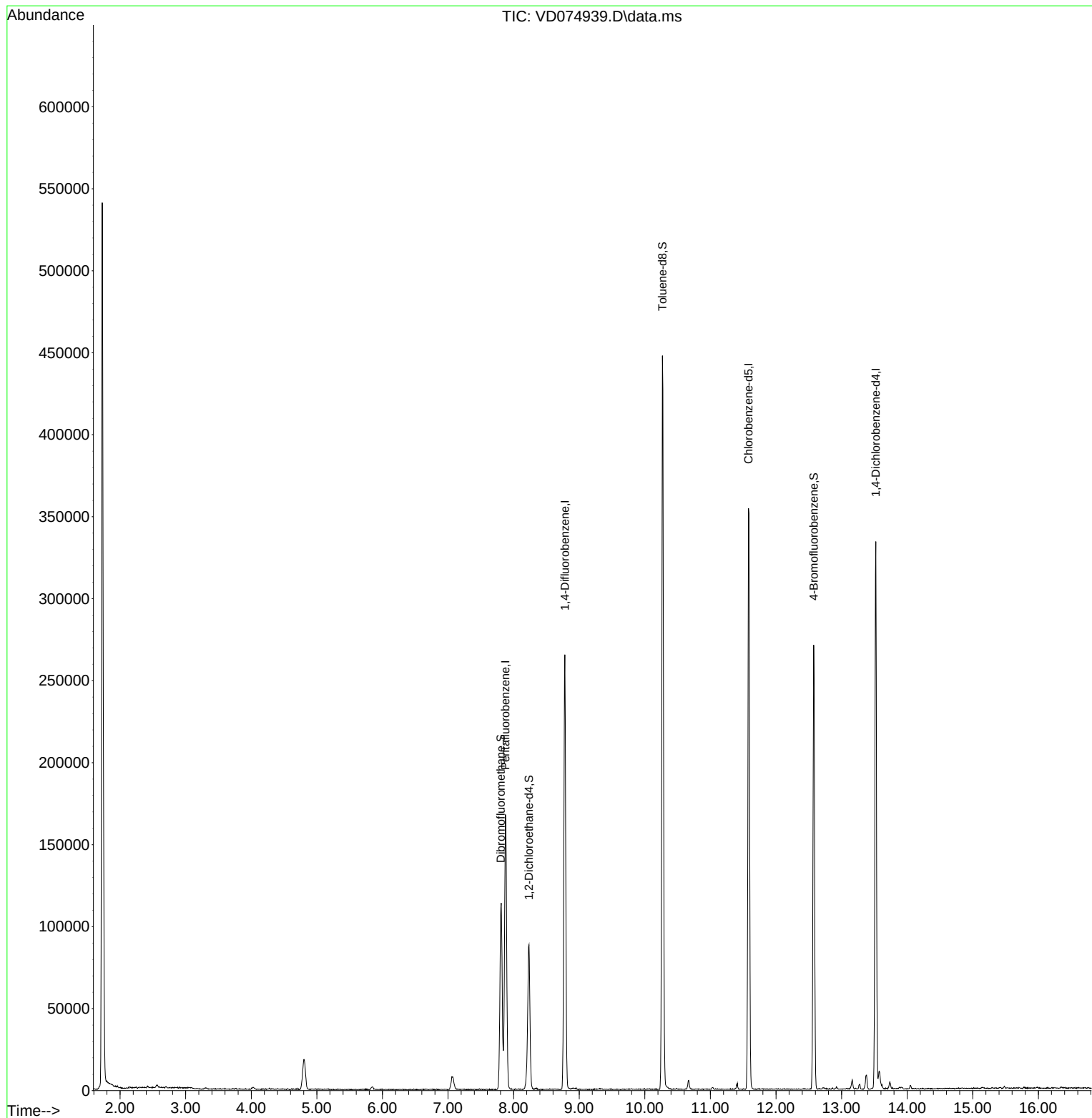
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

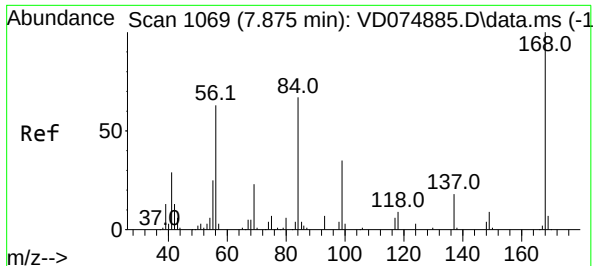
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 14 00:51:58 2022  
Response via : Initial Calibration

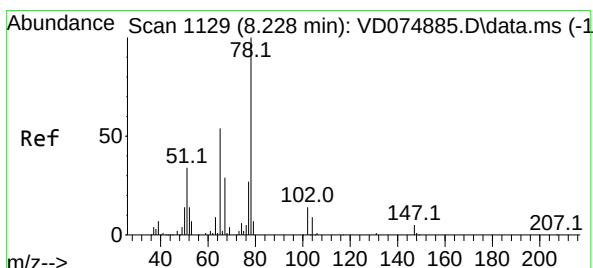
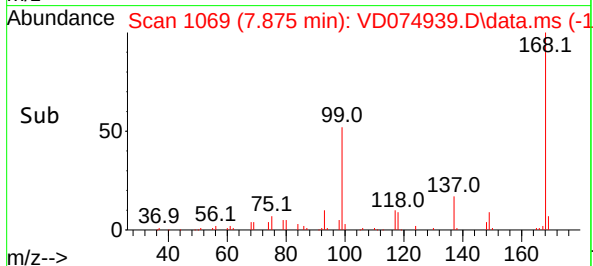
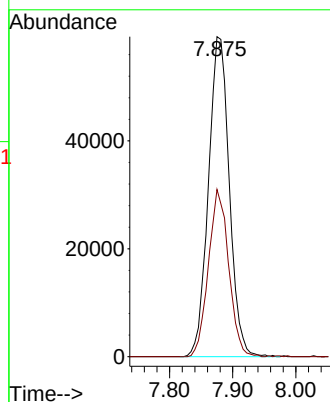
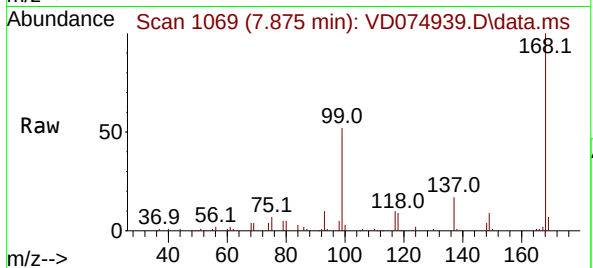




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

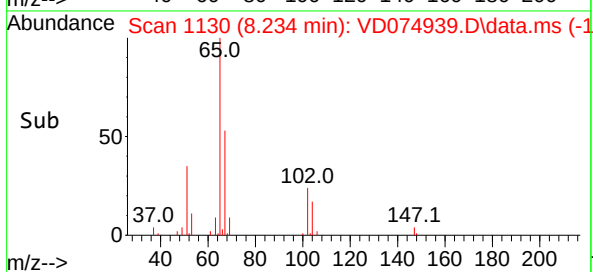
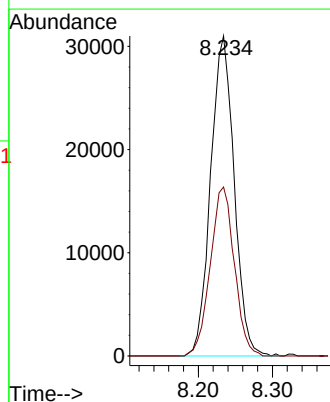
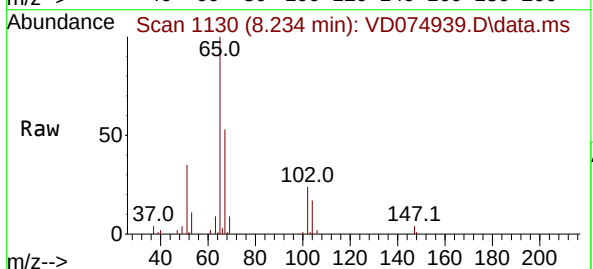
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-12

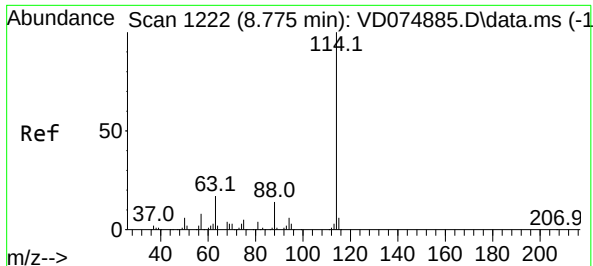
Tgt Ion:168 Resp: 136059  
Ion Ratio Lower Upper  
168 100  
99 52.2 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 79.016 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 65 Resp: 68327  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074939.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_D

ClientSampleId :

TP-12

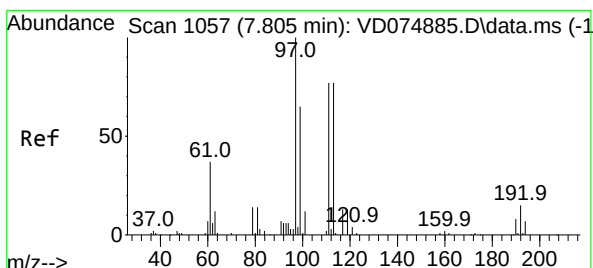
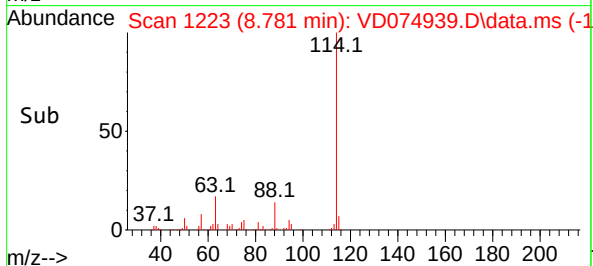
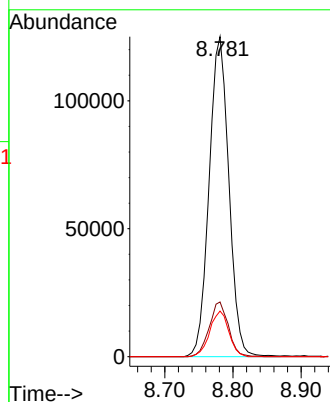
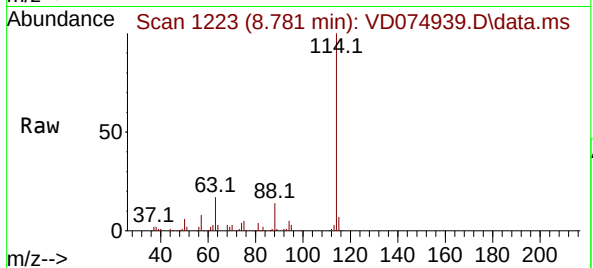
Tgt Ion:114 Resp: 252047

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.795 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074939.D

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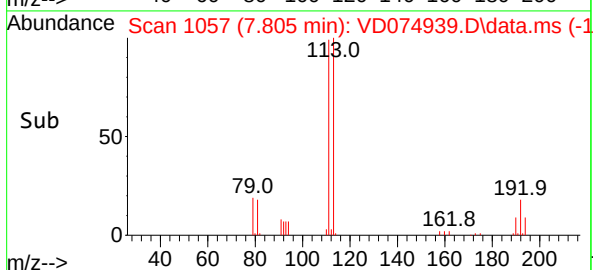
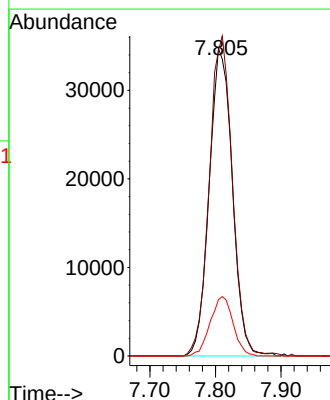
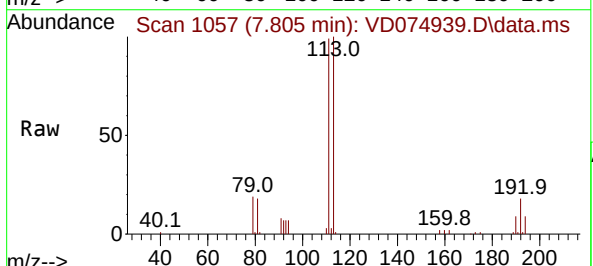
Tgt Ion:113 Resp: 85134

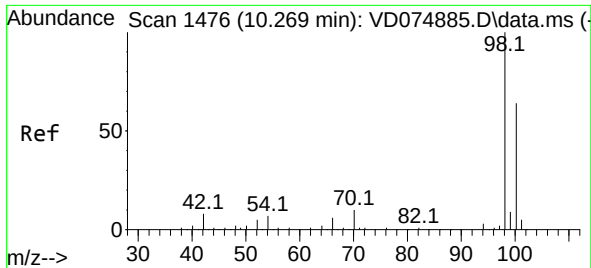
Ion Ratio Lower Upper

113 100

111 103.5 82.3 123.5

192 19.1 16.4 24.6

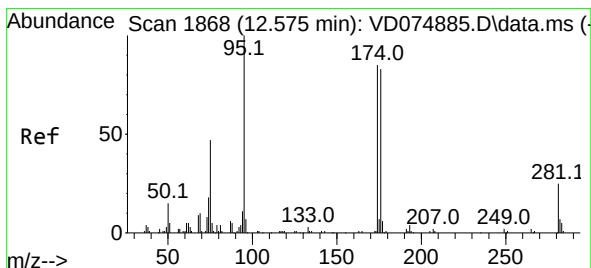
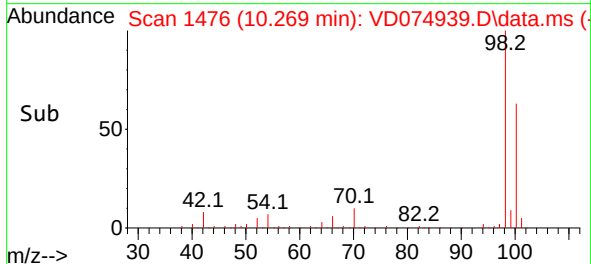
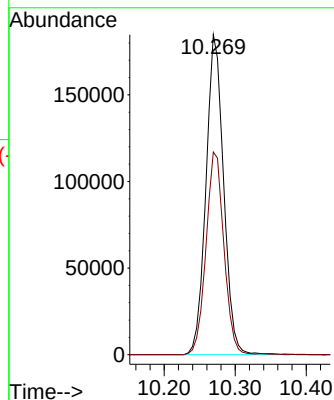
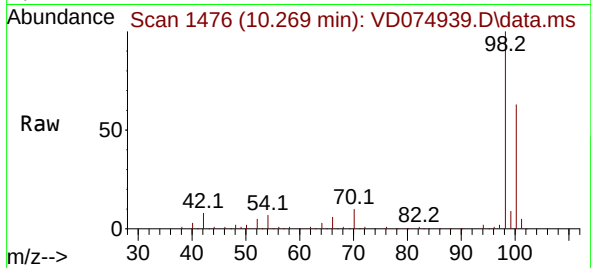




#50  
Toluene-d8  
Concen: 62.382 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

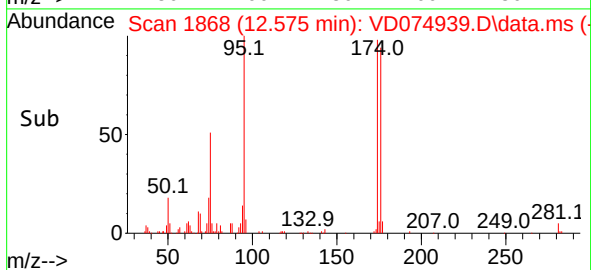
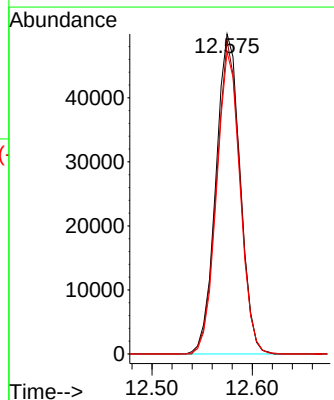
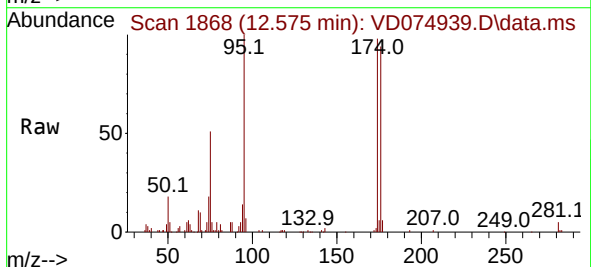
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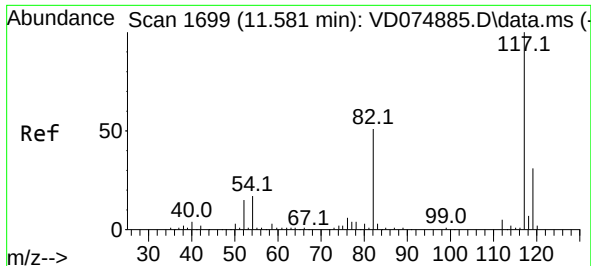
Tgt Ion: 98 Resp: 319268  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 53.194 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 95 Resp: 83597  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 197.0  
176 91.7 0.0 182.6

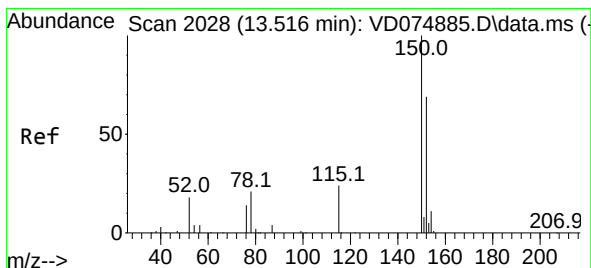
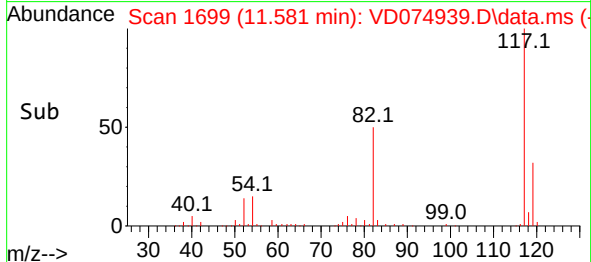
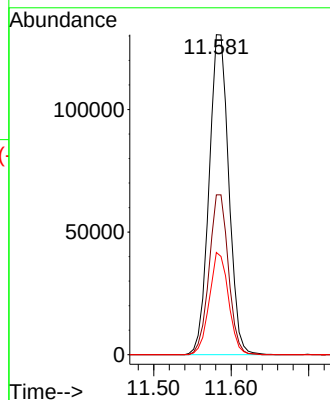
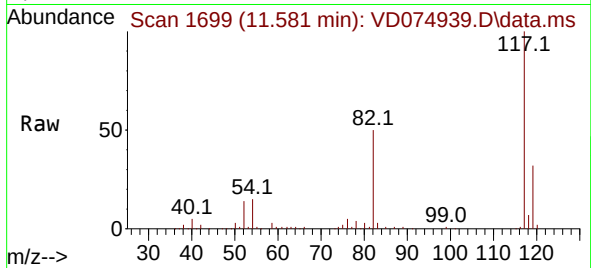




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-12

Tgt Ion:117 Resp: 229966  
Ion Ratio Lower Upper  
117 100  
82 50.0 41.6 62.4  
119 32.0 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD074939.D  
Acq: 14 Nov 2022 17:18

Tgt Ion:152 Resp: 95977  
Ion Ratio Lower Upper  
152 100  
115 54.6 26.8 80.4  
150 155.8 0.0 348.2

