

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101822\  
 Data File : VD074562.D  
 Acq On : 18 Oct 2022 13:30  
 Operator : VA/SY  
 Sample : N5162-01  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-4-101422

Quant Time: Oct 19 01:33:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 97723    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 181331   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.580 | 117  | 139011   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 57267    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.233  | 65    | 51801    | 61.583   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 123.160% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 64665    | 59.739   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 119.480% |
| 50) Toluene-d8              | 10.269 | 98    | 207548   | 49.998   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.000% |
| 62) 4-Bromofluorobenzene    | 12.574 | 95    | 57053    | 44.100   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 88.200%  |

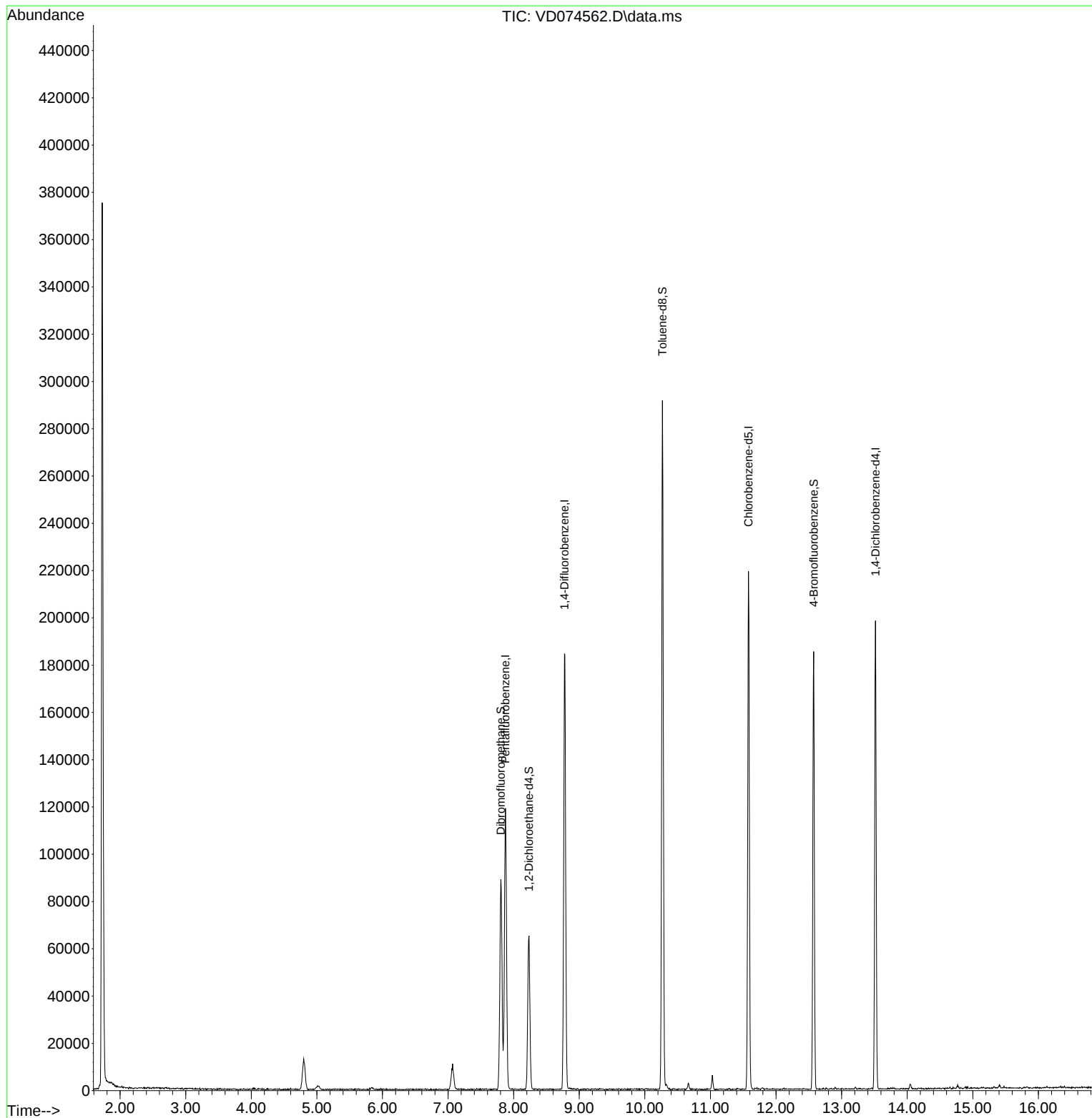
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

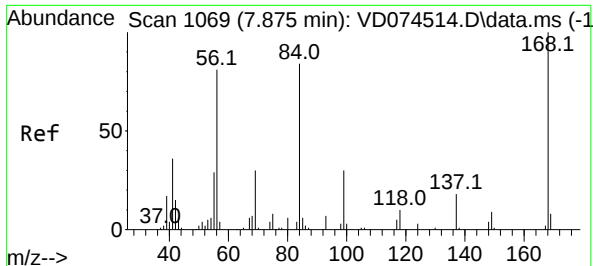
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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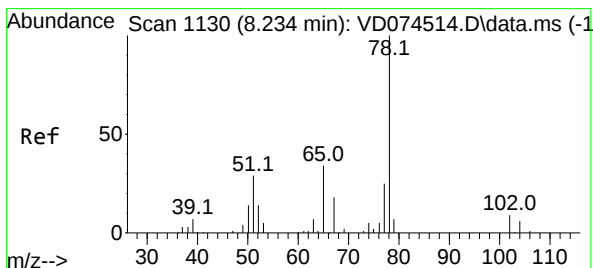
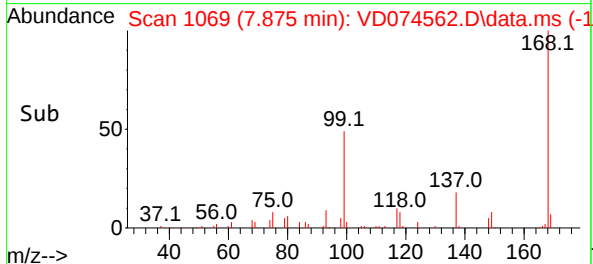
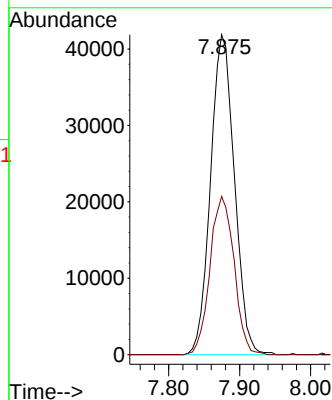
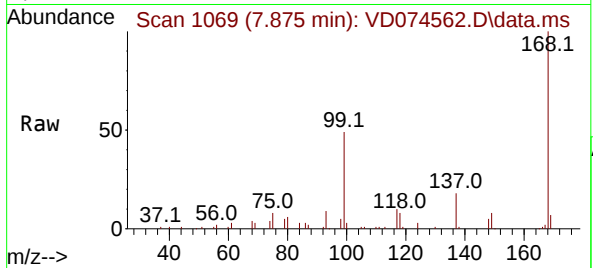




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

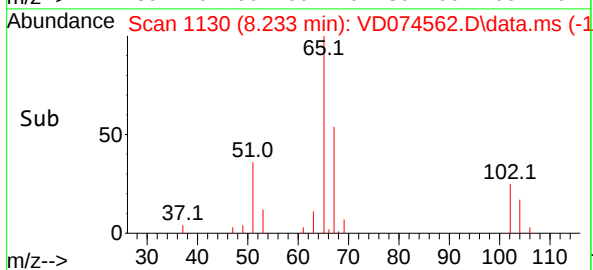
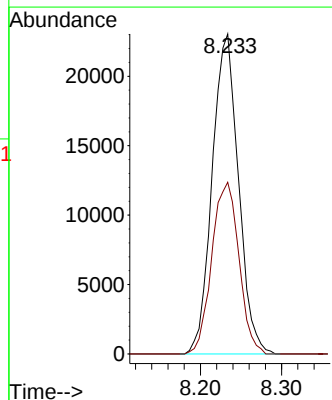
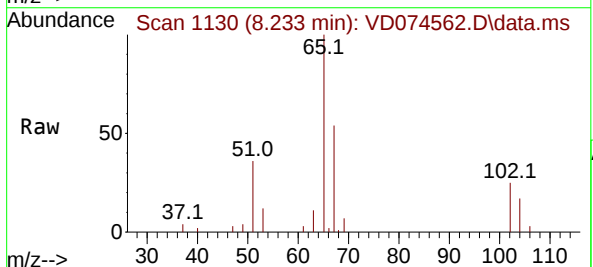
Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-4-101422

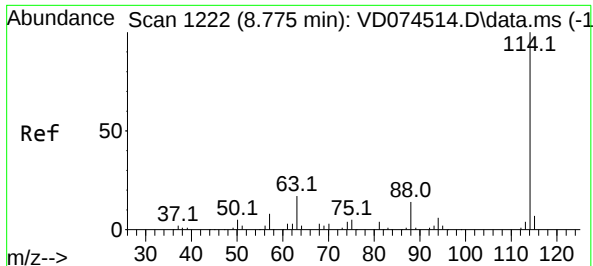
Tgt Ion:168 Resp: 97723  
Ion Ratio Lower Upper  
168 100  
99 49.4 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 61.583 ug/l  
RT: 8.233 min Scan# 1130  
Delta R.T. 0.005 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

Tgt Ion: 65 Resp: 51801  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074562.D

Acq: 18 Oct 2022 13:30

Instrument :

MSVOA\_D

ClientSampleId :

TR-4-101422

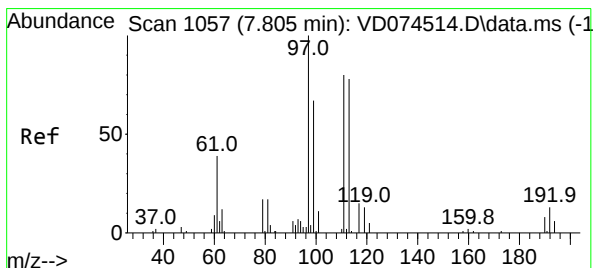
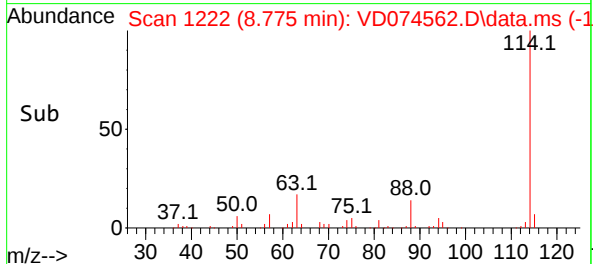
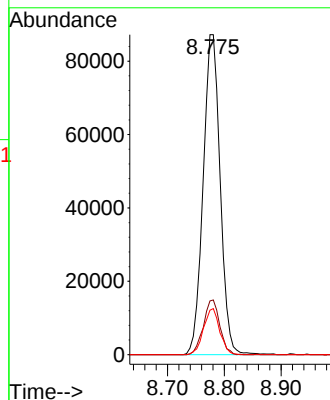
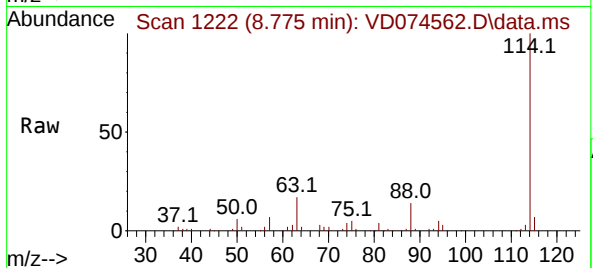
Tgt Ion:114 Resp: 181331

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.2

88 13.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 59.739 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074562.D

Acq: 18 Oct 2022 13:30

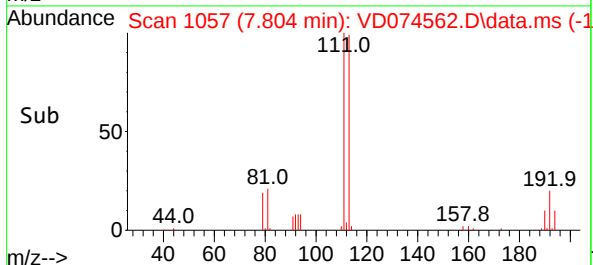
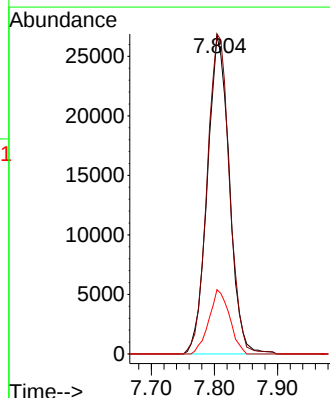
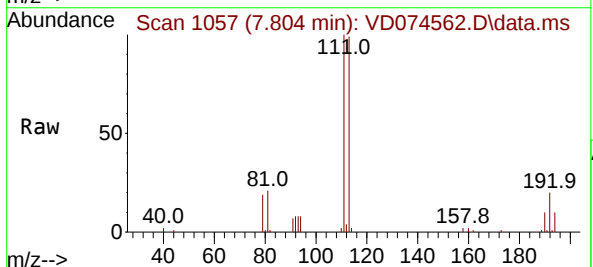
Tgt Ion:113 Resp: 64665

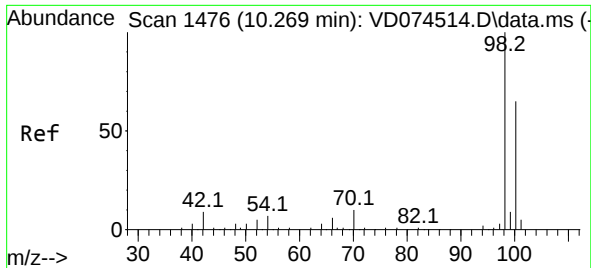
Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

192 18.9 16.4 24.6

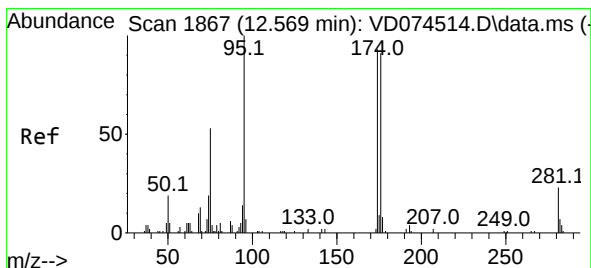
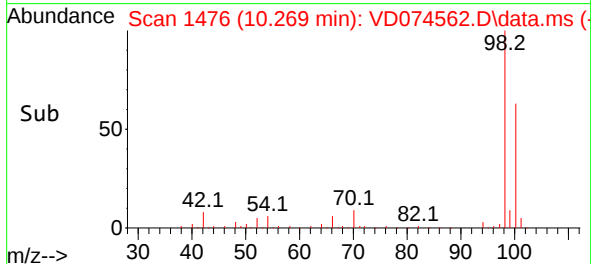
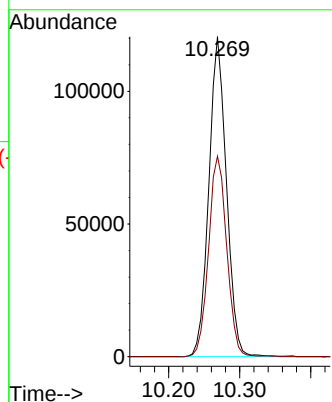
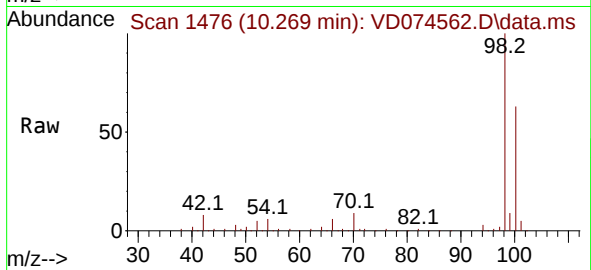




#50  
Toluene-d8  
Concen: 49.998 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

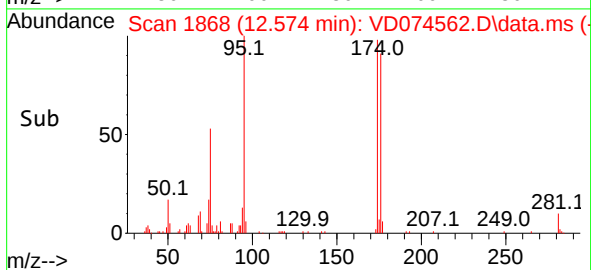
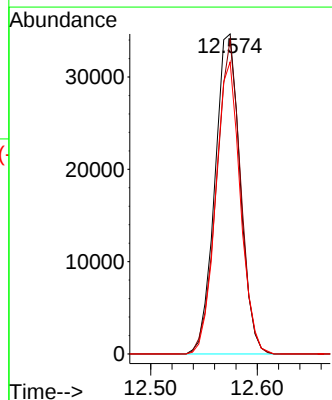
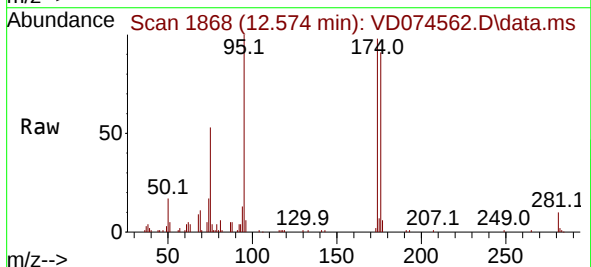
Instrument :  
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TR-4-101422

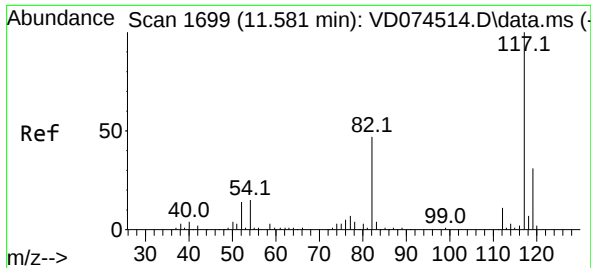
Tgt Ion: 98 Resp: 207548  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 44.100 ug/l  
RT: 12.574 min Scan# 1868  
Delta R.T. 0.005 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

Tgt Ion: 95 Resp: 57053  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 197.0  
176 88.9 0.0 182.6

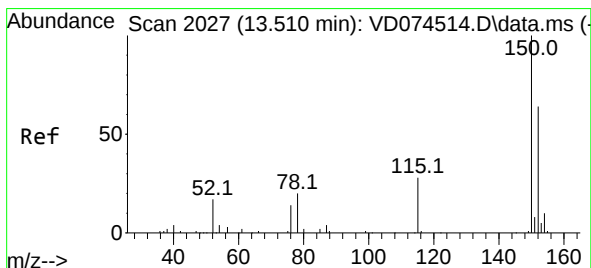
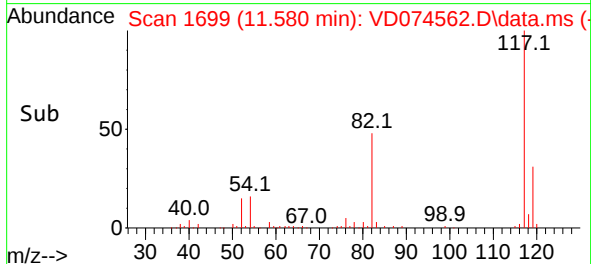
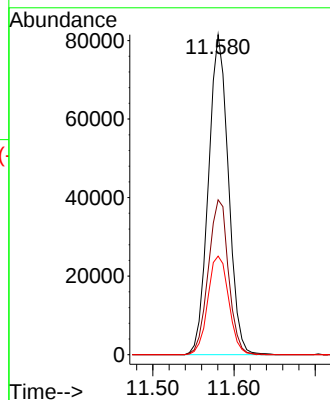
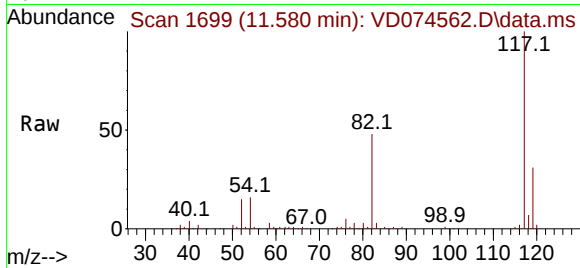




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.580 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-4-101422

Tgt Ion:117 Resp: 139011  
Ion Ratio Lower Upper  
117 100  
82 48.4 41.6 62.4  
119 30.8 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074562.D  
Acq: 18 Oct 2022 13:30

Tgt Ion:152 Resp: 57267  
Ion Ratio Lower Upper  
152 100  
115 53.7 26.8 80.4  
150 155.3 0.0 348.2

