

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110422\  
 Data File : VD074744.D  
 Acq On : 04 Nov 2022 18:04  
 Operator : VA/SY  
 Sample : N5418-10  
 Misc : 4.96G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-M

Quant Time: Nov 07 00:28:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 156994   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 278288   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 210603   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 93546    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 78941    | 63.487   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 126.980% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 101986   | 61.953   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 123.900% |
| 50) Toluene-d8              | 10.269 | 98    | 311496   | 51.875   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.740% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 89940    | 51.875   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 103.760% |

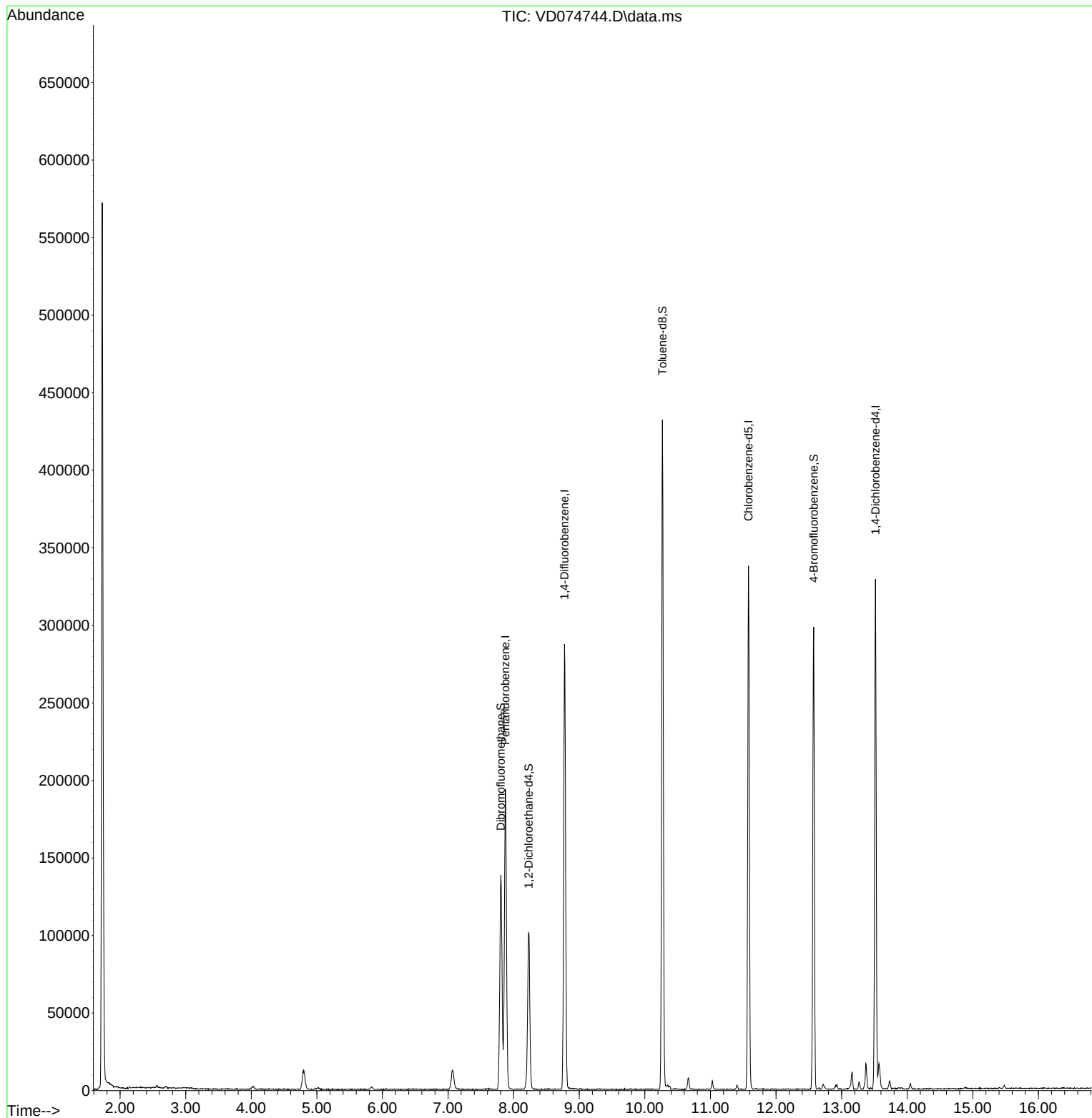
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

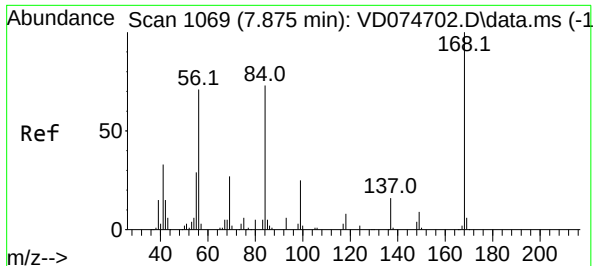
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
Response via : Initial Calibration

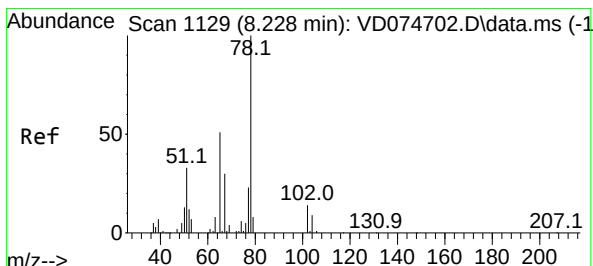
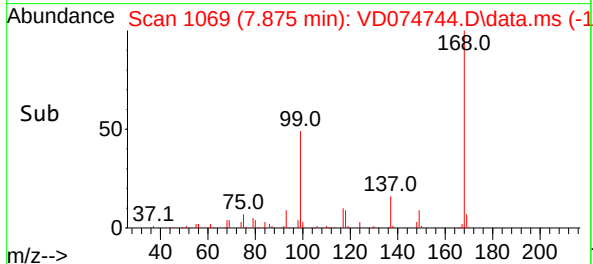
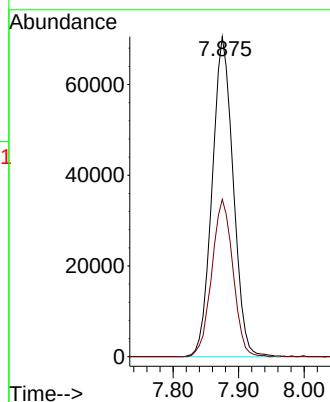
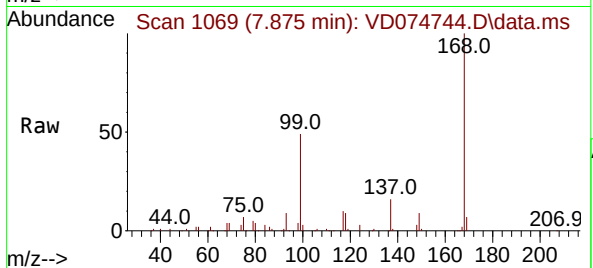




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

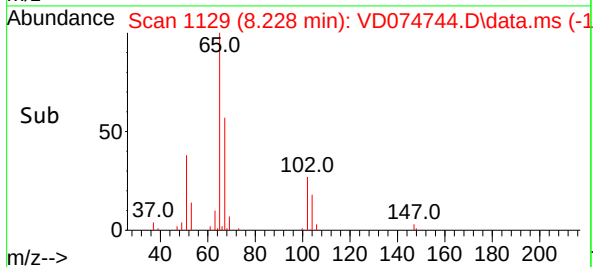
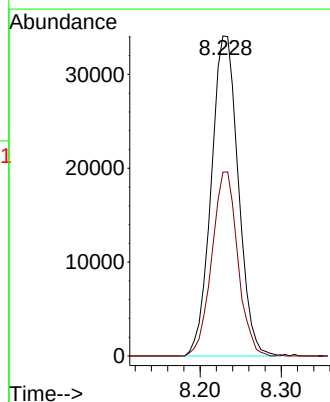
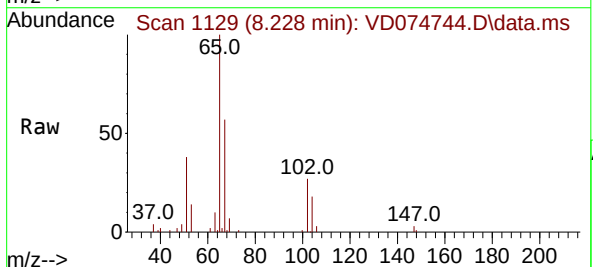
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-M

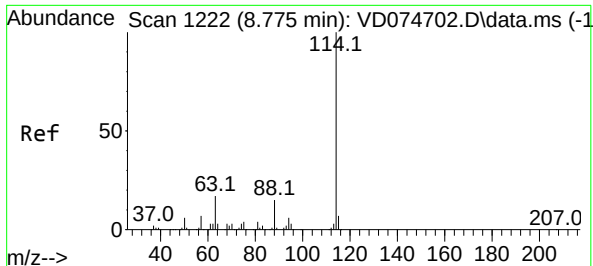
Tgt Ion:168 Resp: 156994  
Ion Ratio Lower Upper  
168 100  
99 49.2 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 63.487 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

Tgt Ion: 65 Resp: 78941  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074744.D

Acq: 04 Nov 2022 18:04

Instrument :

MSVOA\_D

ClientSampleId :

TP-M

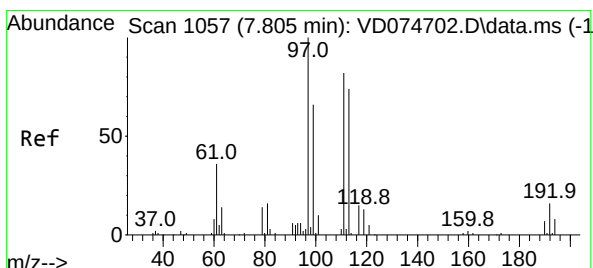
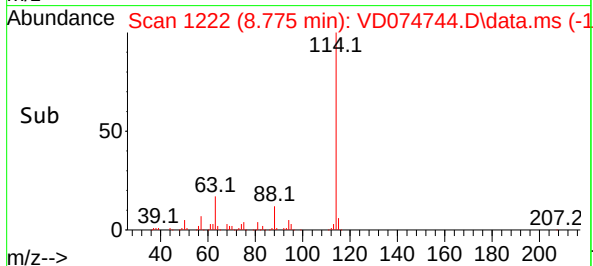
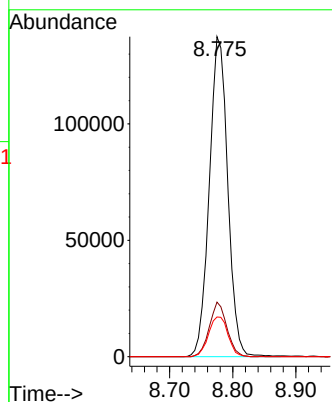
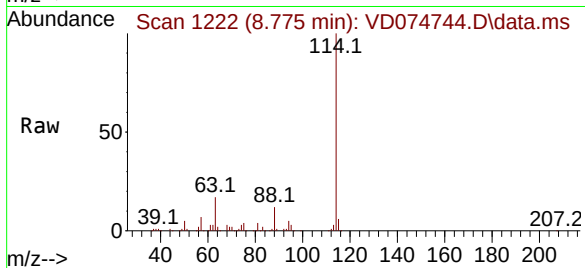
Tgt Ion:114 Resp: 278288

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.2

88 12.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 61.953 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074744.D

Acq: 04 Nov 2022 18:04

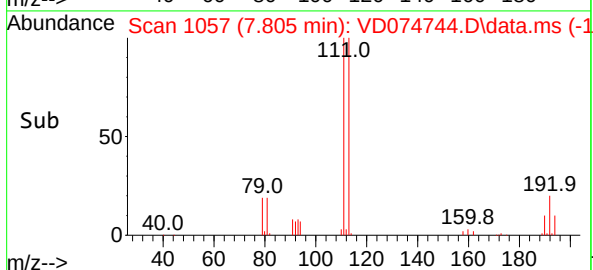
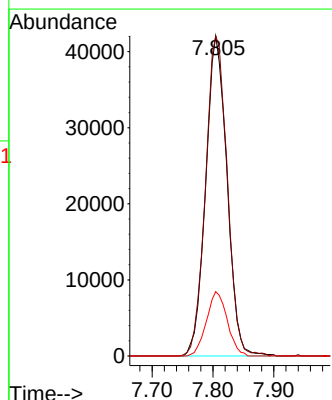
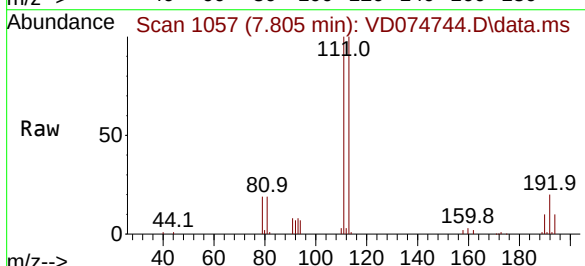
Tgt Ion:113 Resp: 101986

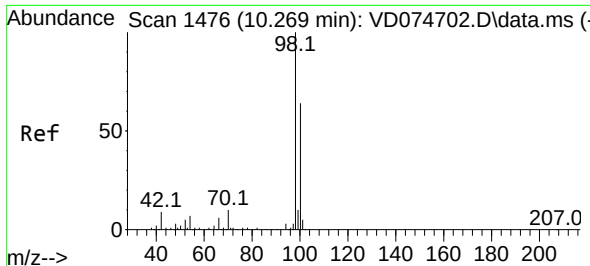
Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

192 19.7 16.4 24.6

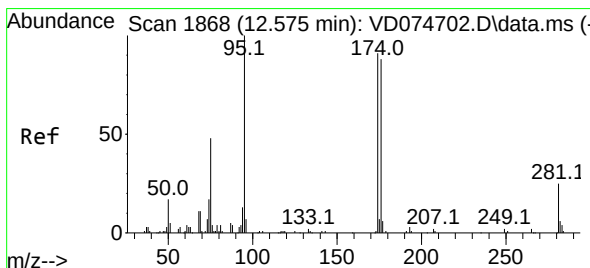
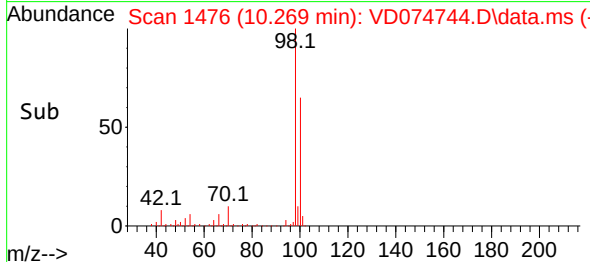
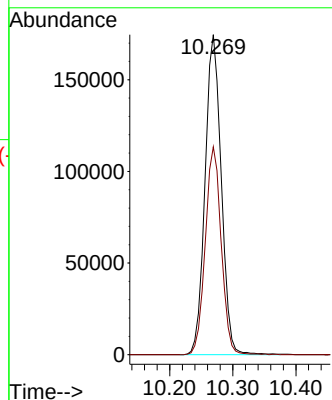
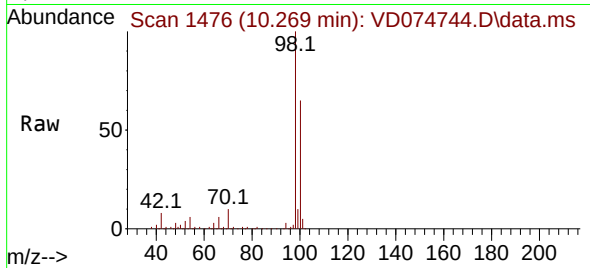




#50  
Toluene-d8  
Concen: 51.875 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

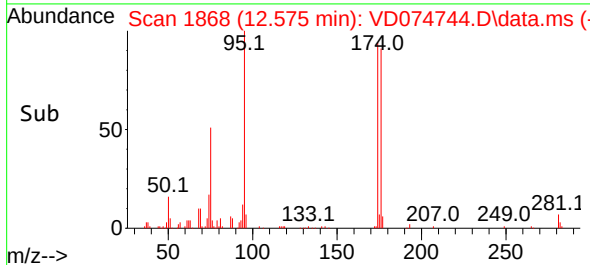
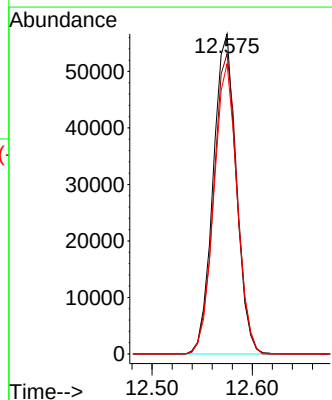
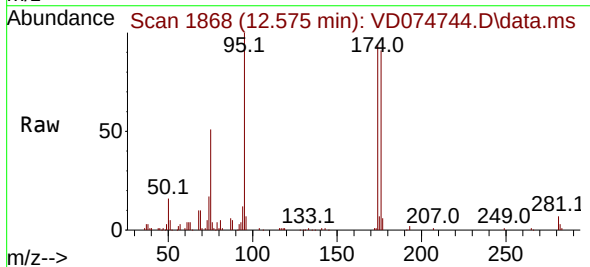
Instrument :  
MSVOA\_D  
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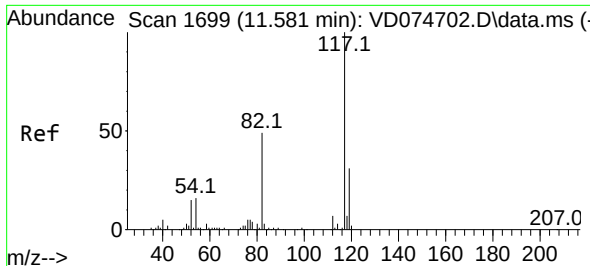
Tgt Ion: 98 Resp: 311496  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 51.875 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

Tgt Ion: 95 Resp: 89940  
Ion Ratio Lower Upper  
95 100  
174 95.7 0.0 197.0  
176 91.6 0.0 182.6

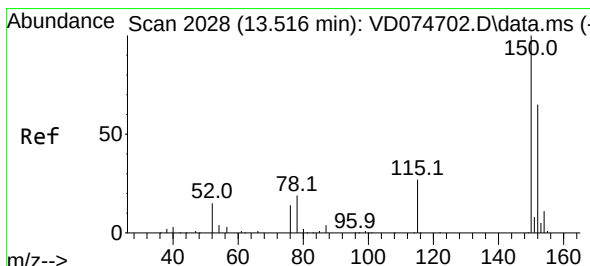
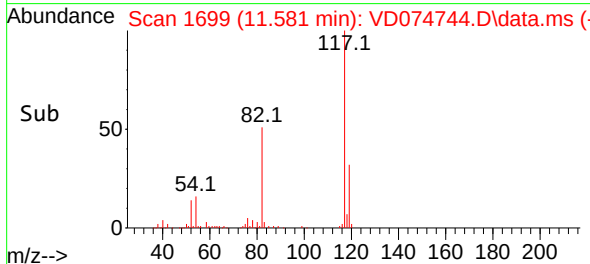
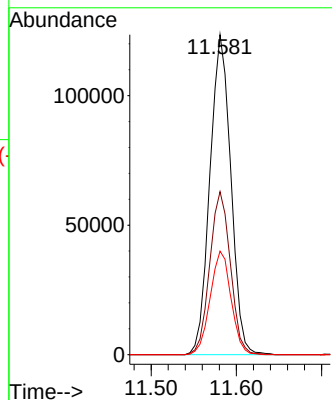
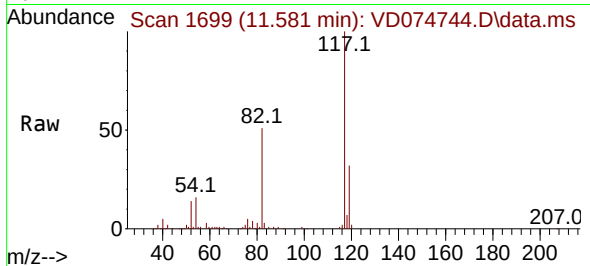




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-M

Tgt Ion:117 Resp: 210603  
Ion Ratio Lower Upper  
117 100  
82 50.9 41.6 62.4  
119 32.3 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: VD074744.D  
Acq: 04 Nov 2022 18:04

Tgt Ion:152 Resp: 93546  
Ion Ratio Lower Upper  
152 100  
115 54.6 26.8 80.4  
150 158.5 0.0 348.2

