

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111022\  
 Data File : VD074878.D  
 Acq On : 10 Nov 2022 20:02  
 Operator : VA/SY  
 Sample : N5491-10  
 Misc : 5.09G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-4

Quant Time: Nov 11 07:19:36 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  | 168676   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 306800   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 271517   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 111986   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 65901    | 49.329   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.660% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 84941    | 46.803   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.600% |
| 50) Toluene-d8              | 10.269 | 98    | 270035   | 40.791   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 81.580% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 81779    | 42.785   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 85.560% |

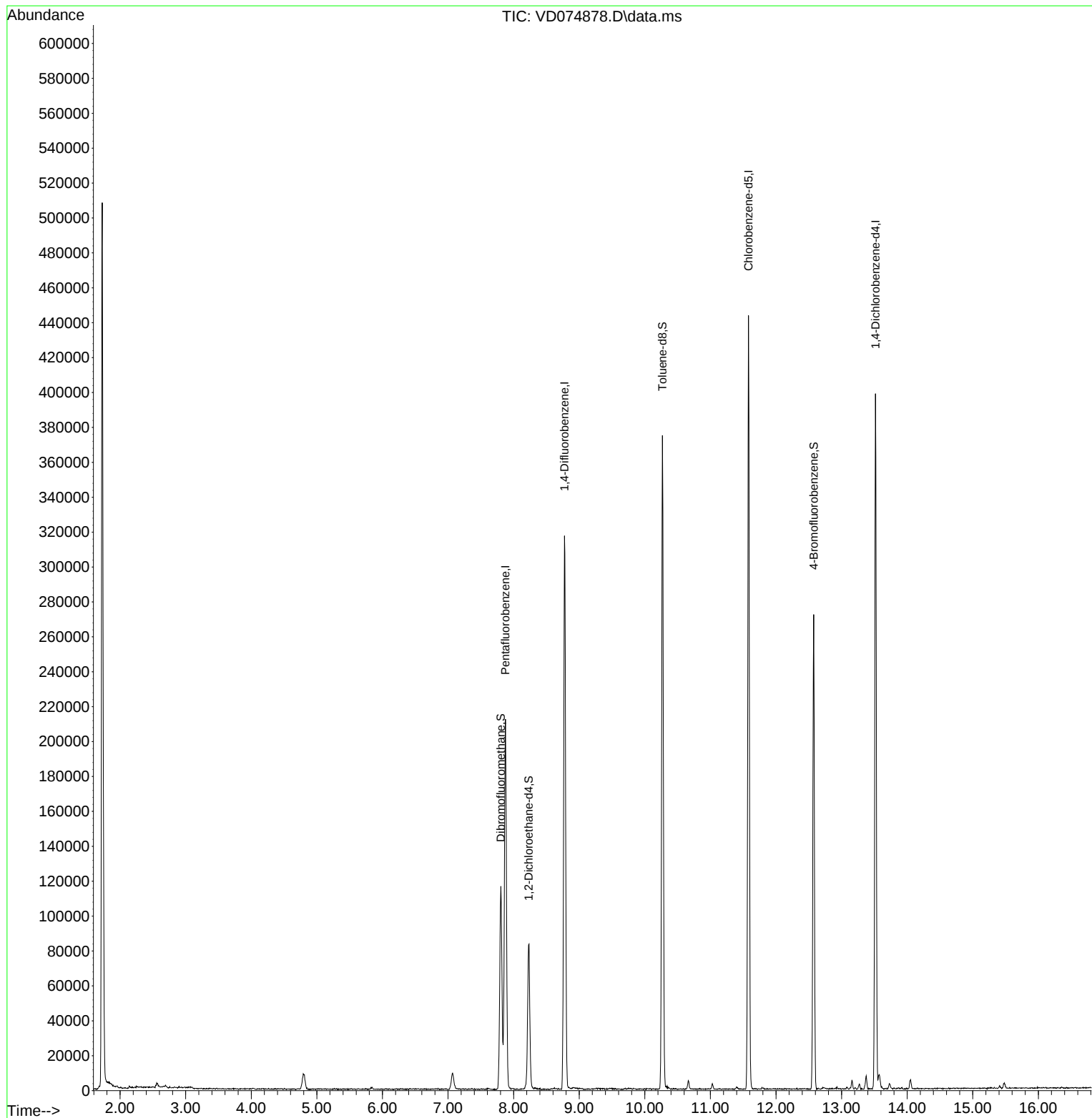
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

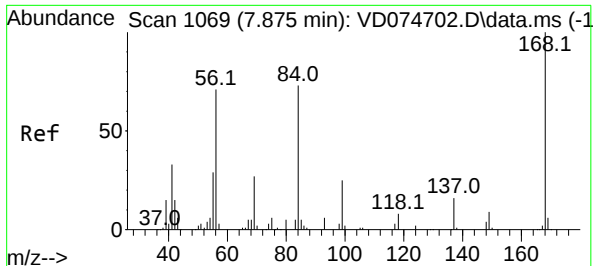
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

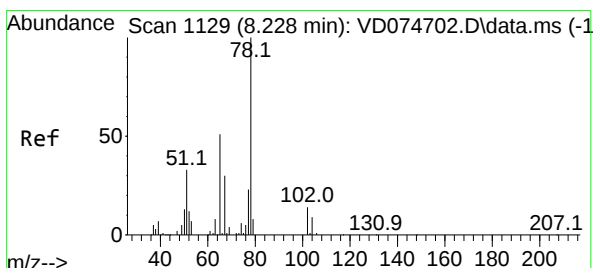
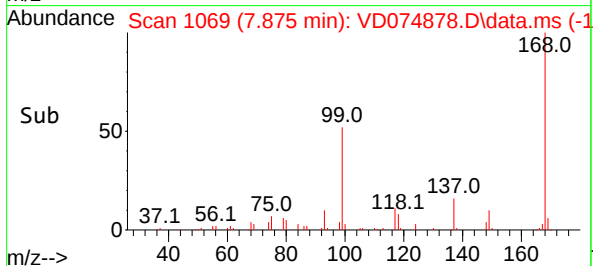
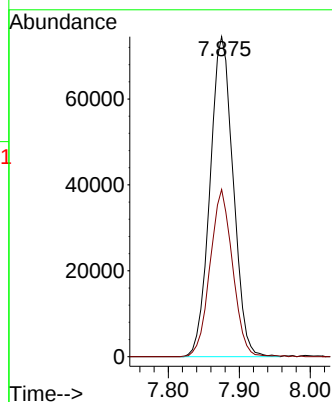
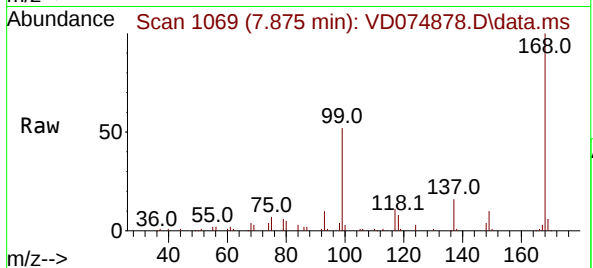




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074878.D  
Acq: 10 Nov 2022 20:02

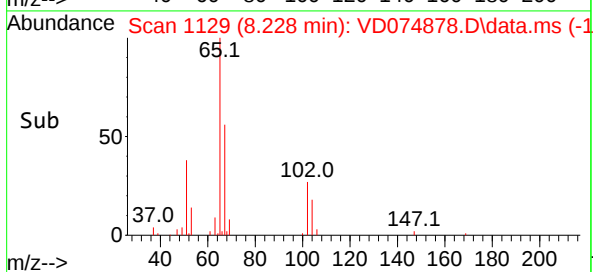
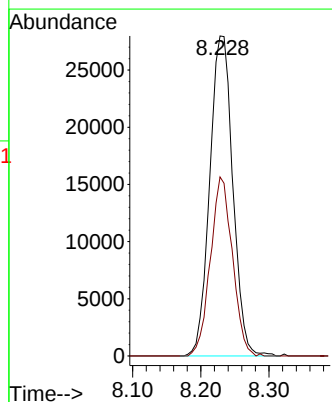
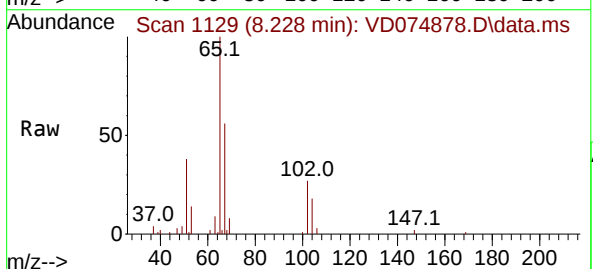
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-4

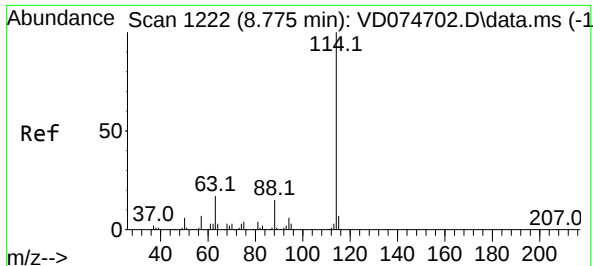
Tgt Ion:168 Resp: 168676  
Ion Ratio Lower Upper  
168 100  
99 52.3 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 49.329 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VD074878.D  
Acq: 10 Nov 2022 20:02

Tgt Ion: 65 Resp: 65901  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 114

Delta R.T. 0.000 min

Lab File: VD074878.D

Acq: 10 Nov 2022 20:02

Instrument :

MSVOA\_D

ClientSampleId :

TP-4

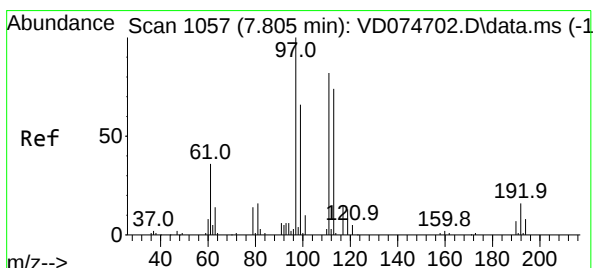
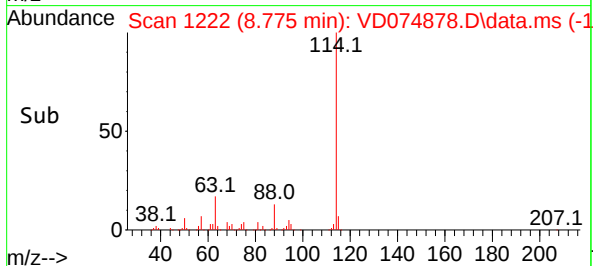
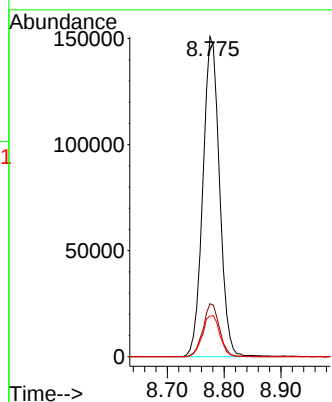
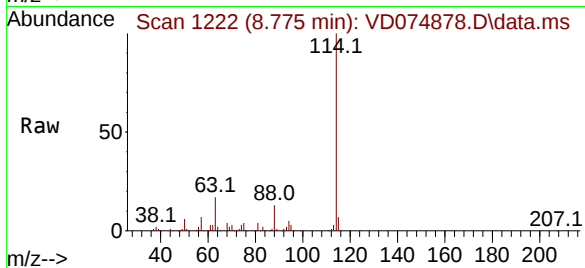
Tgt Ion:114 Resp: 306800

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 12.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 46.803 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074878.D

Acq: 10 Nov 2022 20:02

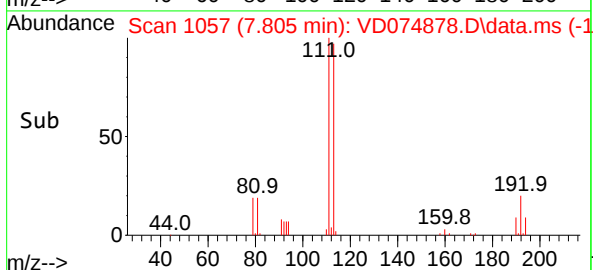
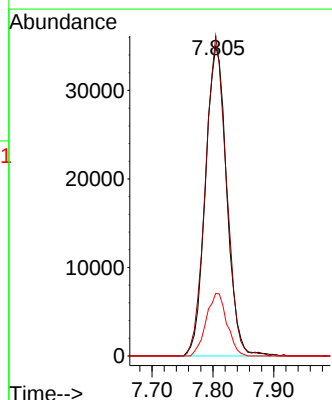
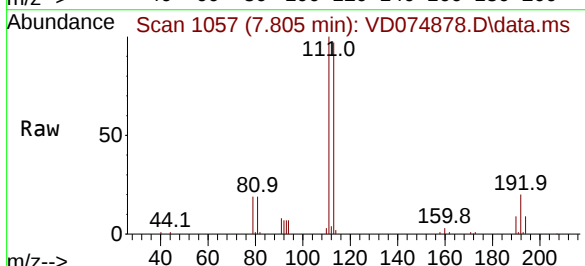
Tgt Ion:113 Resp: 84941

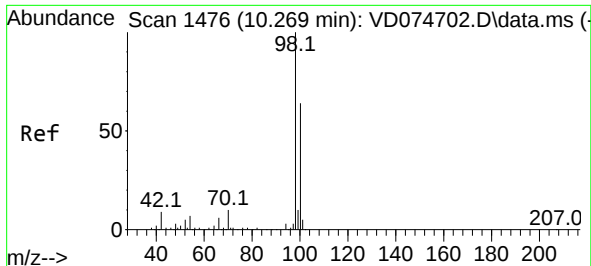
Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 19.6 16.4 24.6

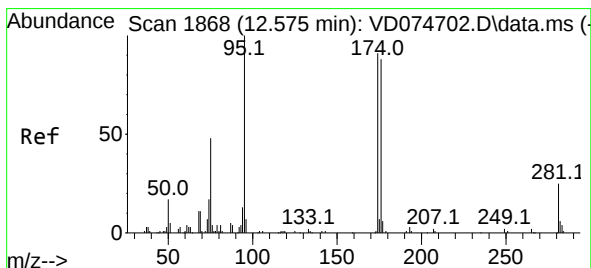
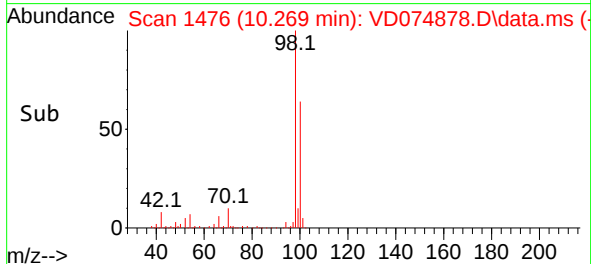
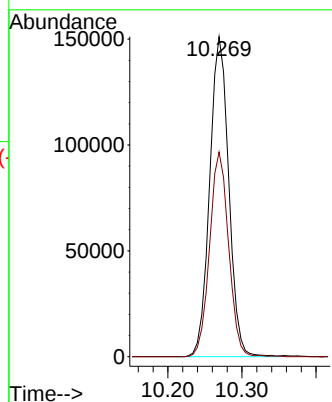
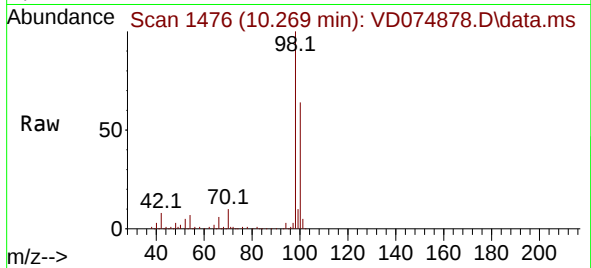




#50  
Toluene-d8  
Concen: 40.791 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074878.D  
Acq: 10 Nov 2022 20:02

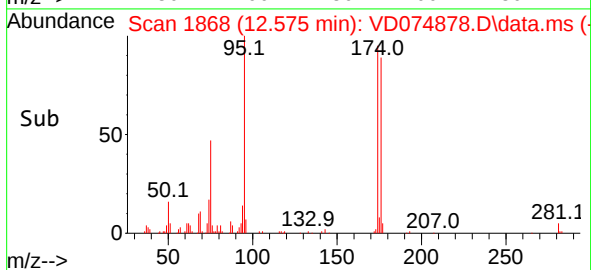
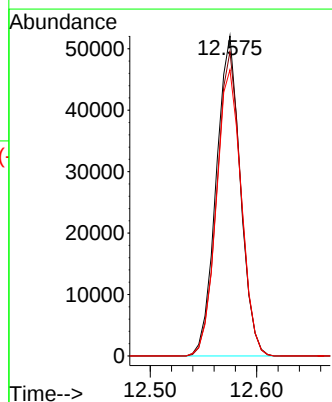
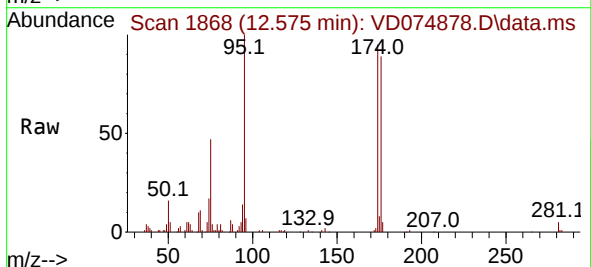
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-4

Tgt Ion: 98 Resp: 270035  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 42.785 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074878.D  
Acq: 10 Nov 2022 20:02

Tgt Ion: 95 Resp: 81779  
Ion Ratio Lower Upper  
95 100  
174 94.7 0.0 197.0  
176 92.4 0.0 182.6

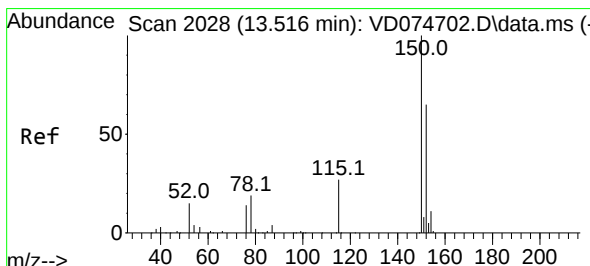
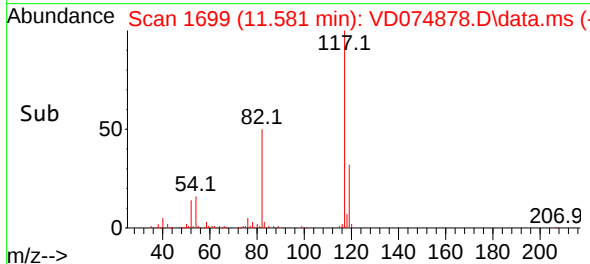
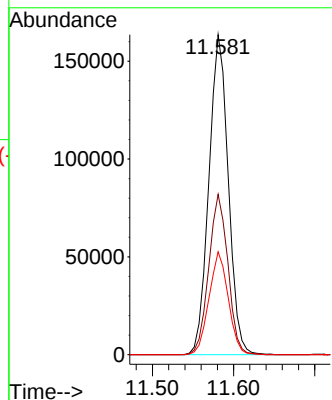
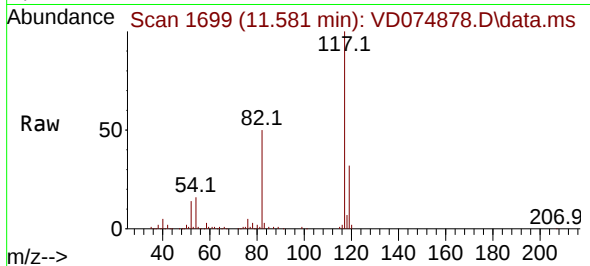




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD074878.D  
Acq: 10 Nov 2022 20:02

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-4

Tgt Ion:117 Resp: 271517  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.6 62.4  
119 32.1 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: VD074878.D  
Acq: 10 Nov 2022 20:02

Tgt Ion:152 Resp: 111986  
Ion Ratio Lower Upper  
152 100  
115 55.9 26.8 80.4  
150 159.0 0.0 348.2

