

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101322\  
 Data File : VD074533.D  
 Acq On : 13 Oct 2022 17:27  
 Operator : VA/SY  
 Sample : N5142-04  
 Misc : 5.79G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-11

Quant Time: Oct 14 01:32:13 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      | 7.881  | 168  | 10286    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 19612    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 21430    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.510 | 152  | 10102    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 10691    | 120.751  | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 241.500%# |
| 35) Dibromofluoromethane    | 7.805  | 113   | 9077     | 78.400   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 156.800%# |
| 50) Toluene-d8              | 10.269 | 98    | 24869    | 55.205   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.420%  |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 9214     | 68.885   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 137.780%  |

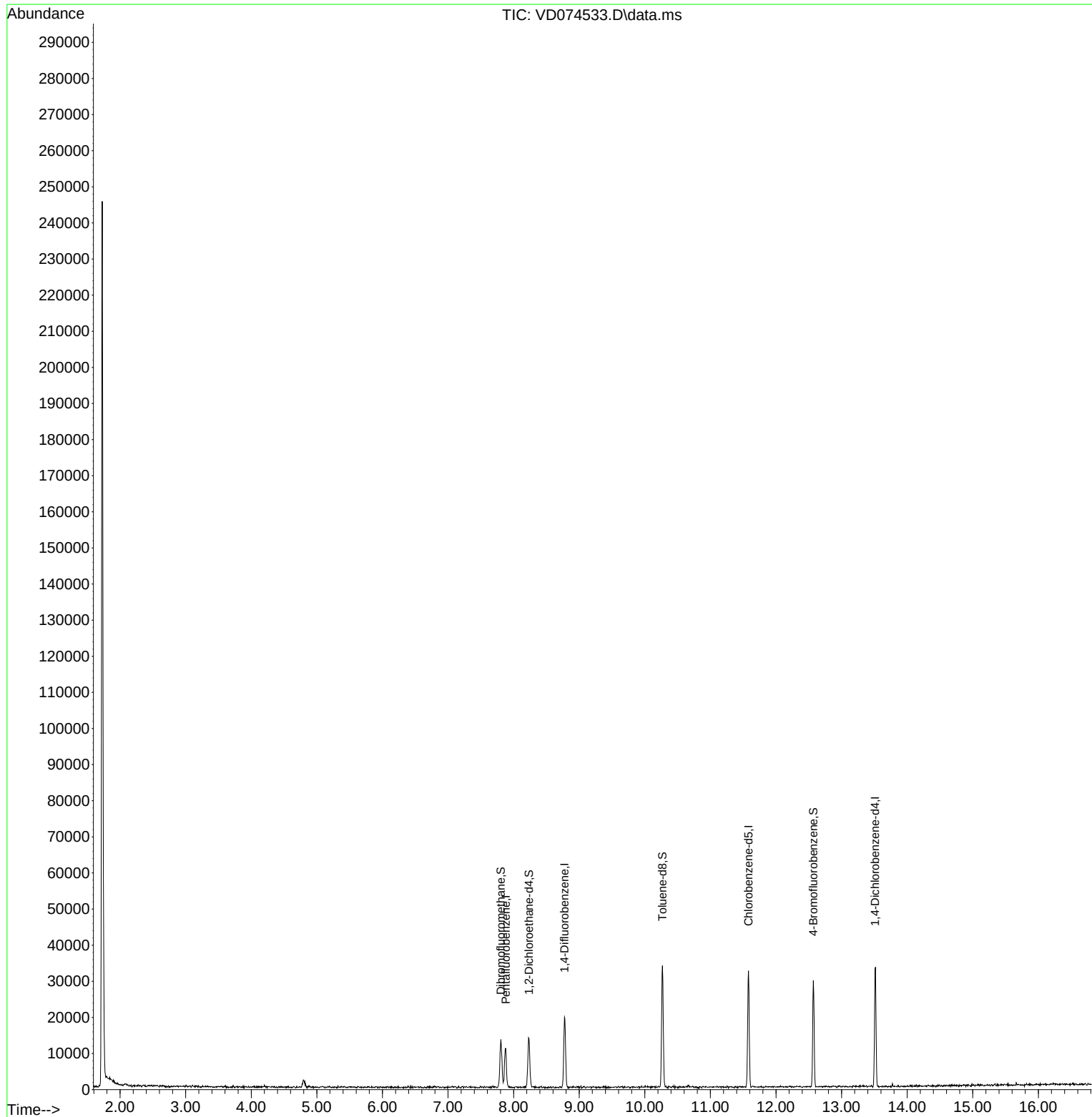
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

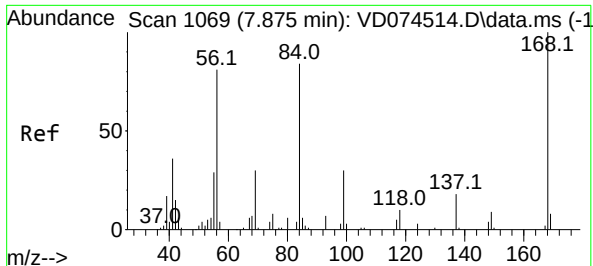
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

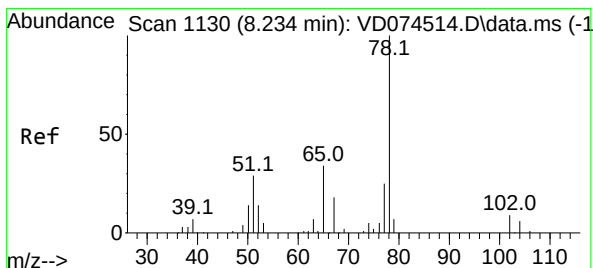
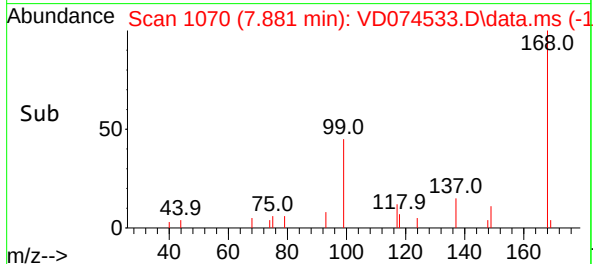
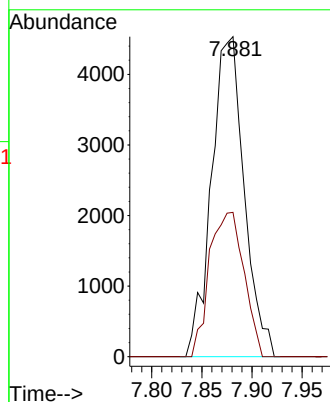
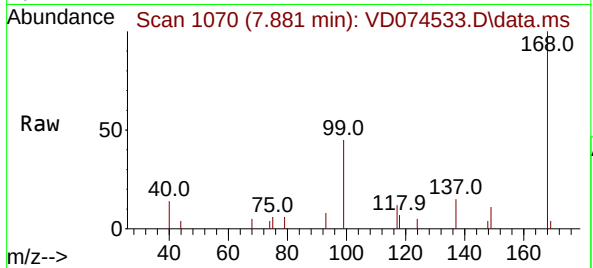




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

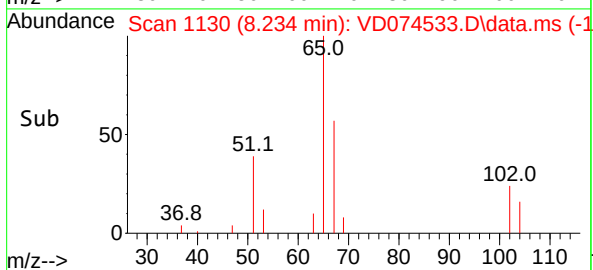
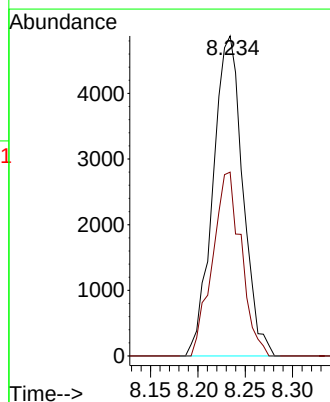
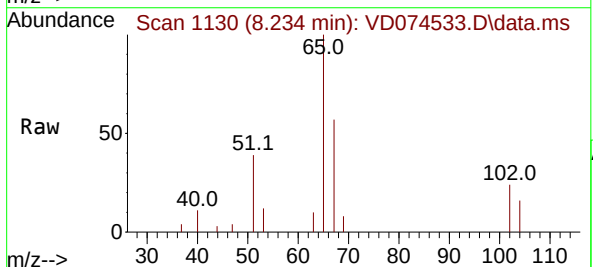
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-11

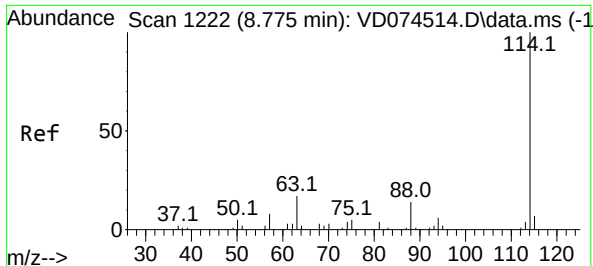
Tgt Ion:168 Resp: 10286  
Ion Ratio Lower Upper  
168 100  
99 45.1 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 120.751 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

Tgt Ion: 65 Resp: 10691  
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# 11

Delta R.T. 0.000 min

Lab File: VD074533.D

Acq: 13 Oct 2022 17:27

Instrument :

MSVOA\_D

ClientSampleId :

WC-11

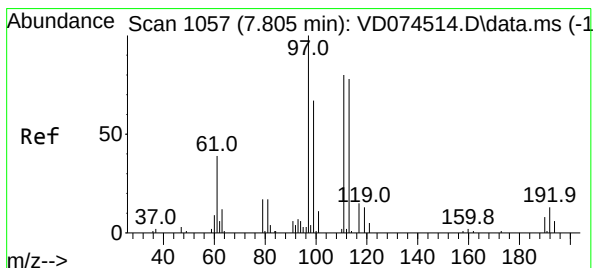
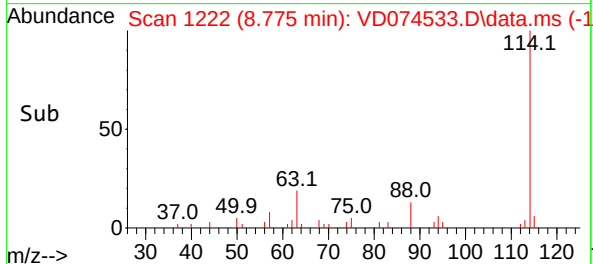
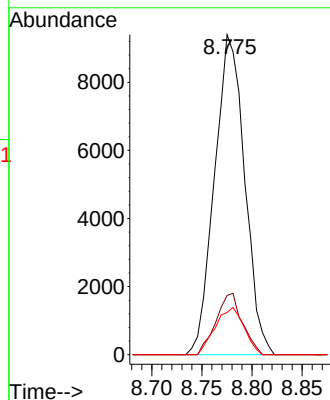
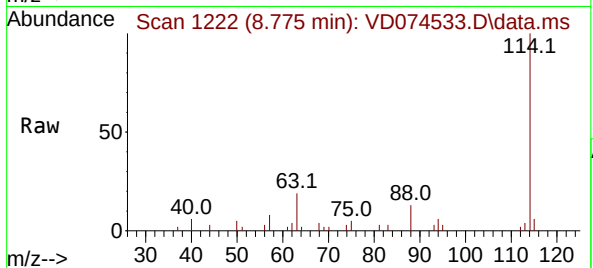
Tgt Ion:114 Resp: 19612

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.2

88 13.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 78.400 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074533.D

Acq: 13 Oct 2022 17:27

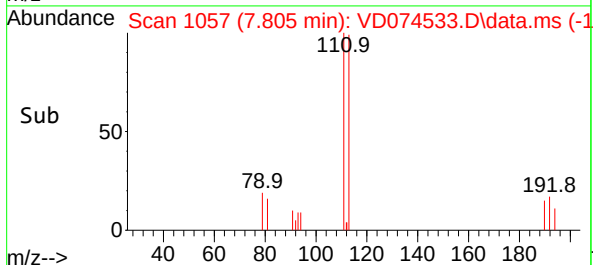
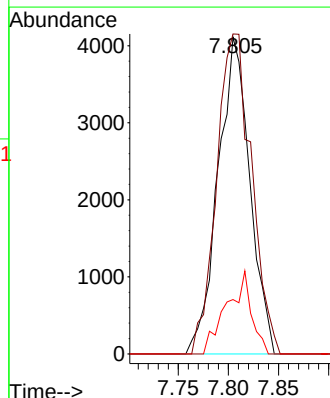
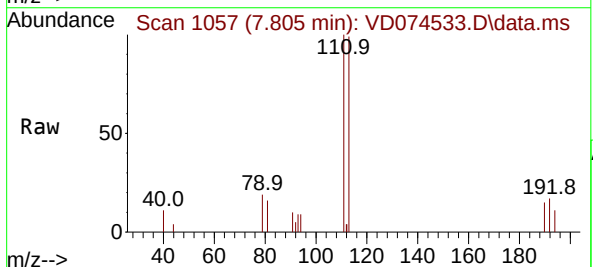
Tgt Ion:113 Resp: 9077

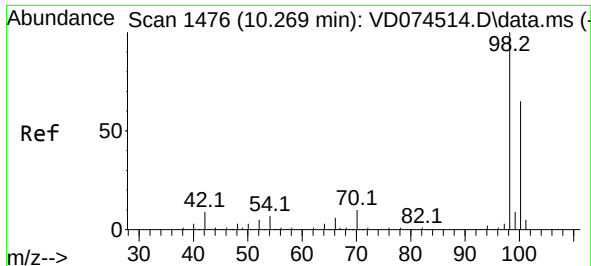
Ion Ratio Lower Upper

113 100

111 110.4 82.3 123.5

192 20.3 16.4 24.6

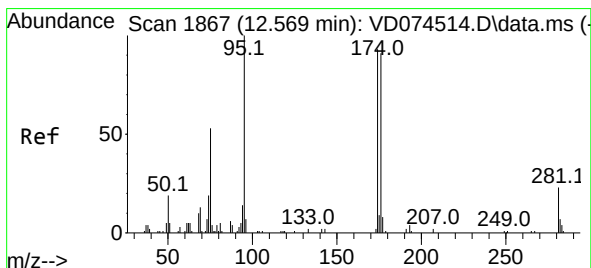
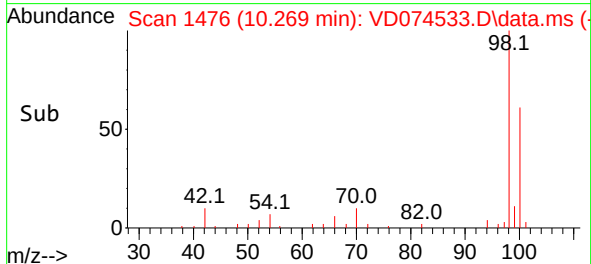
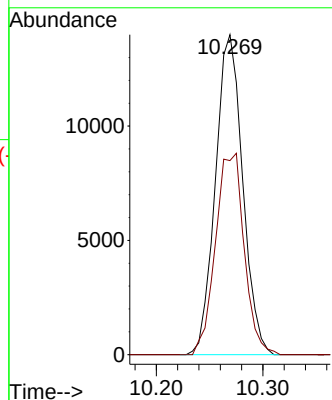
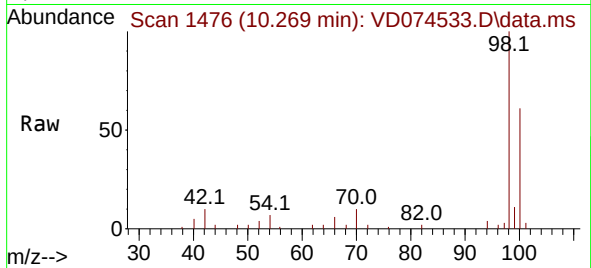




#50  
Toluene-d8  
Concen: 55.205 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

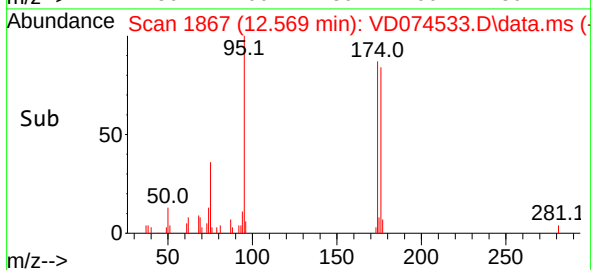
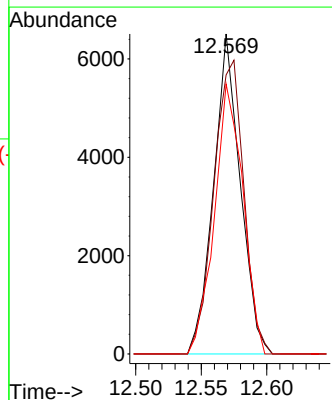
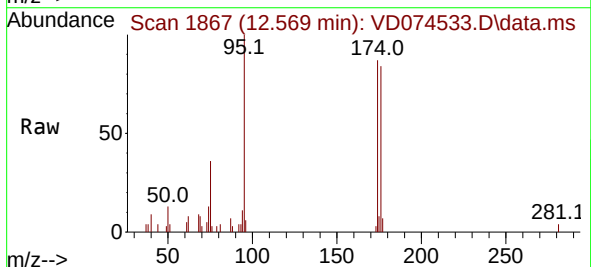
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-11

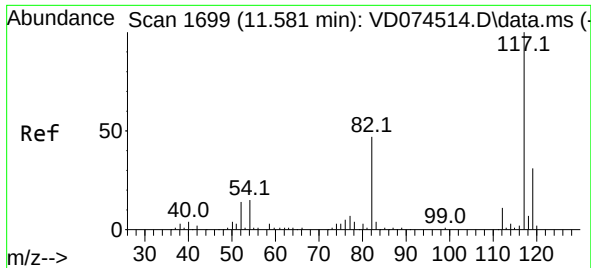
Tgt Ion: 98 Resp: 24869  
Ion Ratio Lower Upper  
98 100  
100 66.2 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 68.885 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

Tgt Ion: 95 Resp: 9214  
Ion Ratio Lower Upper  
95 100  
174 103.4 0.0 197.0  
176 90.2 0.0 182.6

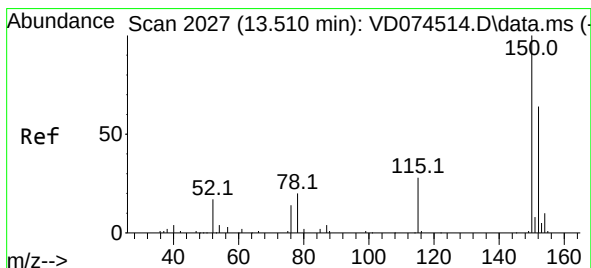
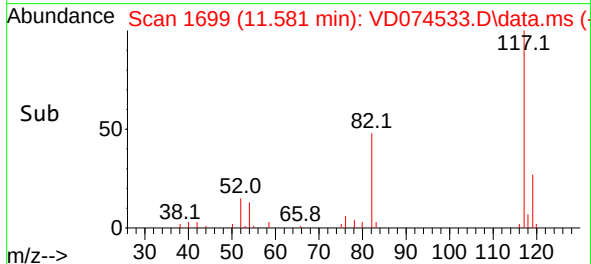
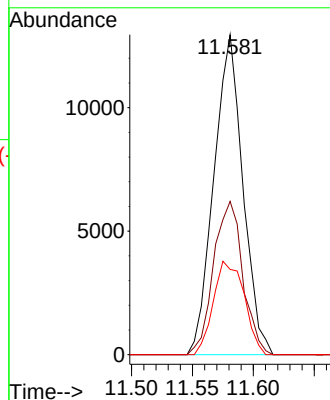
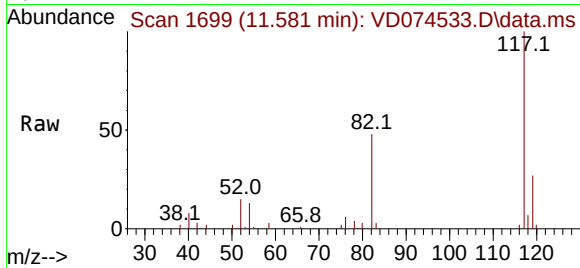




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-11

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 21430       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 47.9  | 41.6 62.4   |
| 119         | 26.6  | 25.2 37.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.510 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: VD074533.D  
Acq: 13 Oct 2022 17:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 10102       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 53.2  | 26.8 80.4   |
| 150         | 159.8 | 0.0 348.2   |

