

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112221\  
 Data File : VW020941.D  
 Acq On : 22 Nov 2021 17:01  
 Operator : SY/VA  
 Sample : M4758-39  
 Misc : 5.01g/5.0mL/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP20

Quant Time: Nov 23 02:25:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 18 05:03:38 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.946  | 168  | 23095    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.842  | 114  | 33598    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.634 | 117  | 29808    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.560 | 152  | 14807    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.305  | 65    | 10511    | 49.133   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 98.260% |
| 35) Dibromofluoromethane    | 7.885  | 113   | 10005    | 47.474   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.940% |
| 50) Toluene-d8              | 10.323 | 98    | 36029    | 46.614   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 93.220% |
| 62) 4-Bromofluorobenzene    | 12.615 | 95    | 12571    | 43.610   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 87.220% |

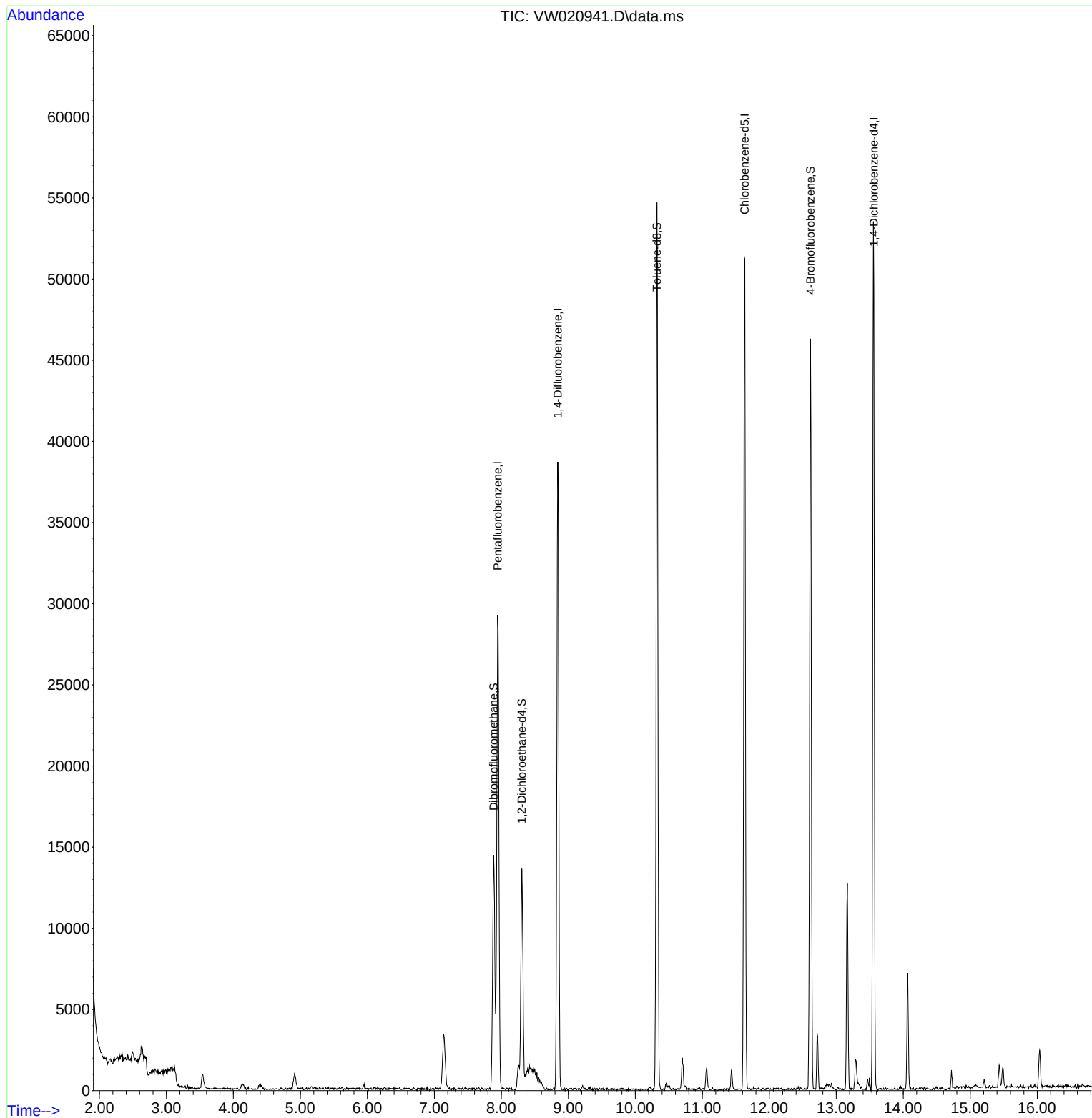
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

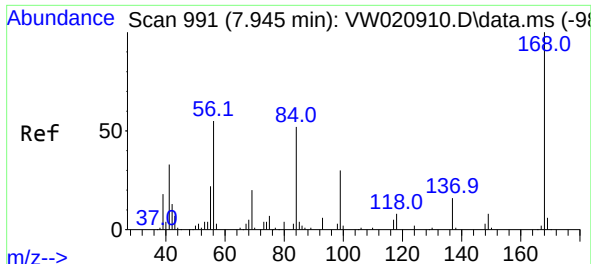
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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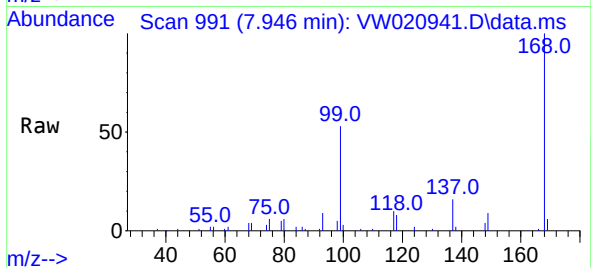
Quant Time: Nov 23 02:25:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 18 05:03:38 2021  
Response via : Initial Calibration



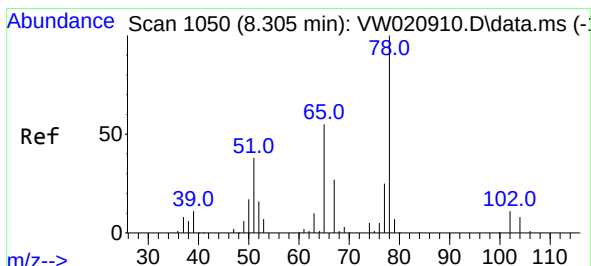
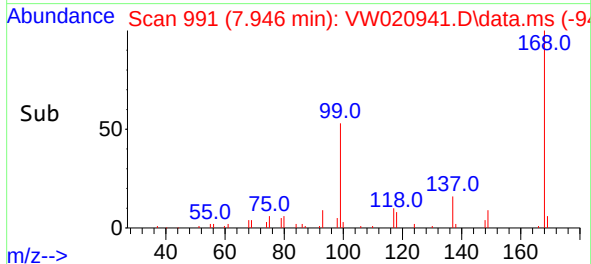
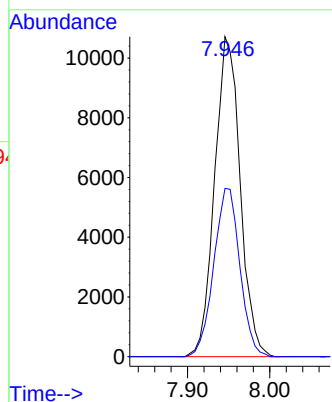


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.946 min Scan# 991  
Delta R.T. 0.001 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP20

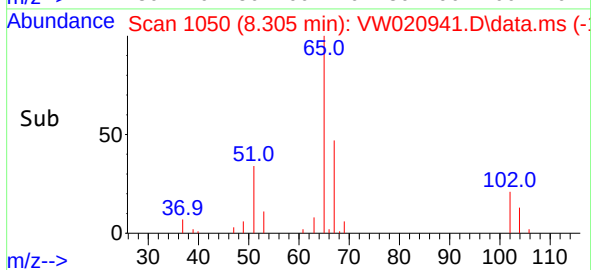
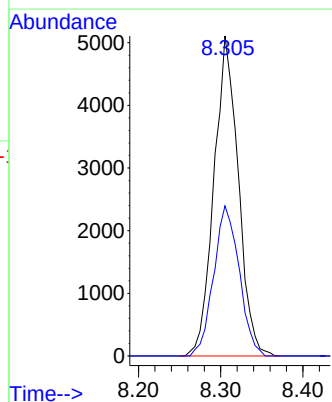
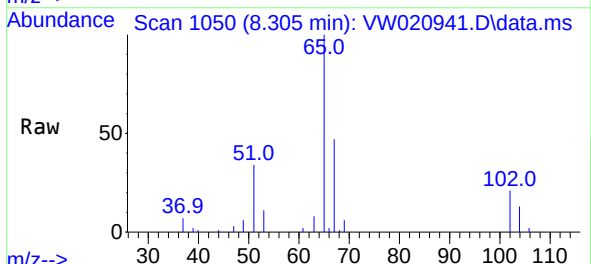


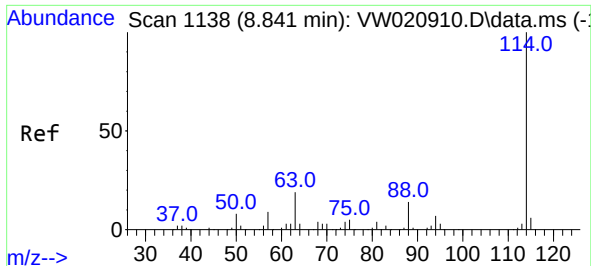
Tgt Ion:168 Resp: 23095  
Ion Ratio Lower Upper  
168 100  
99 52.6 41.6 62.4



#33  
1,2-Dichloroethane-d4  
Concen: 49.133 ug/l  
RT: 8.305 min Scan# 1050  
Delta R.T. 0.000 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

Tgt Ion: 65 Resp: 10511  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

Instrument :

MSVOA\_W

ClientSampleId :

TP20

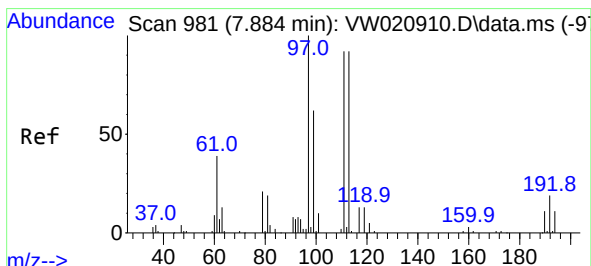
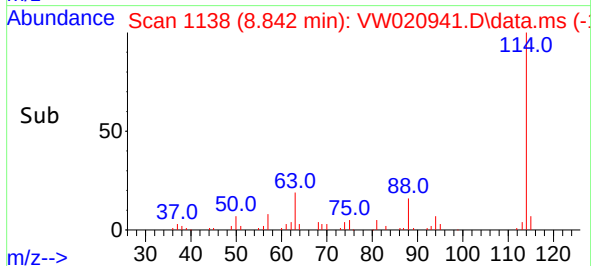
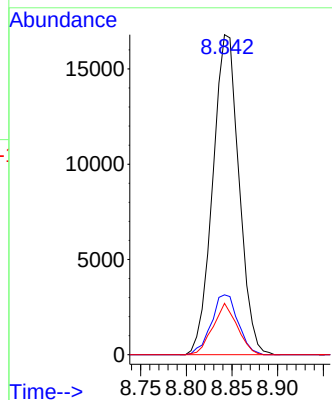
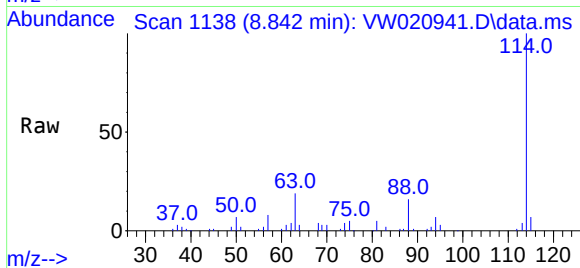
Tgt Ion:114 Resp: 33598

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.2

88 16.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.474 ug/l

RT: 7.885 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW020941.D

Acq: 22 Nov 2021 17:01

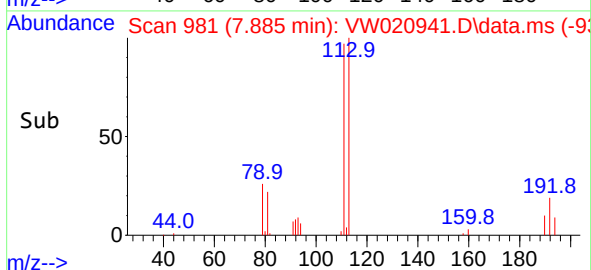
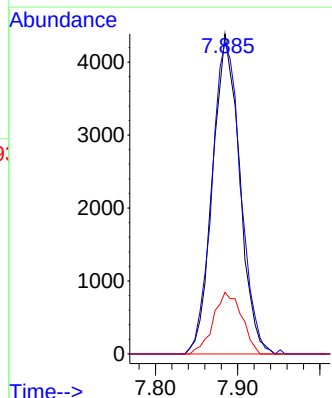
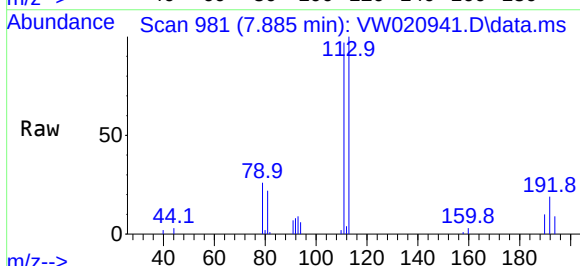
Tgt Ion:113 Resp: 10005

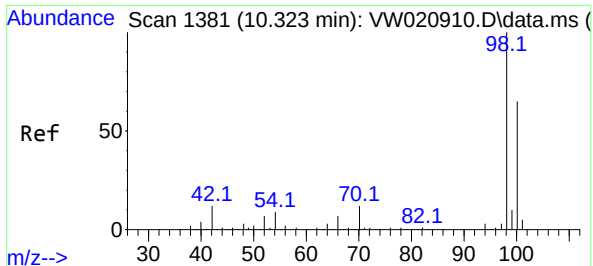
Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

192 20.3 16.8 25.2

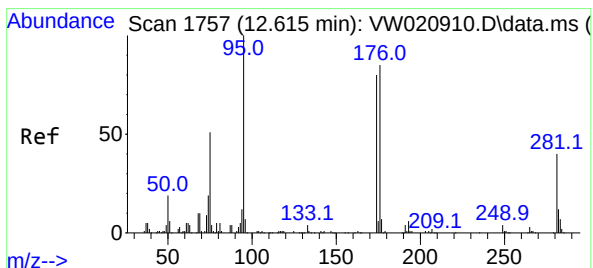
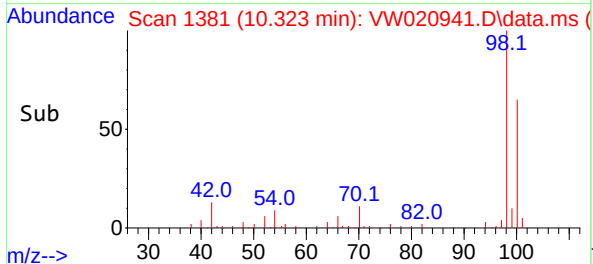
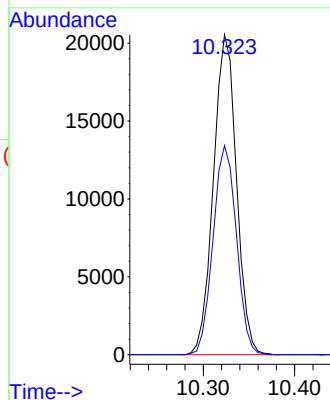
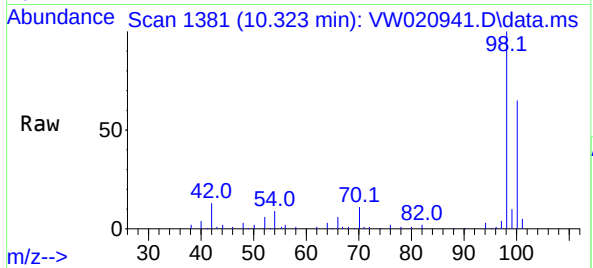




#50  
Toluene-d8  
Concen: 46.614 ug/l  
RT: 10.323 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

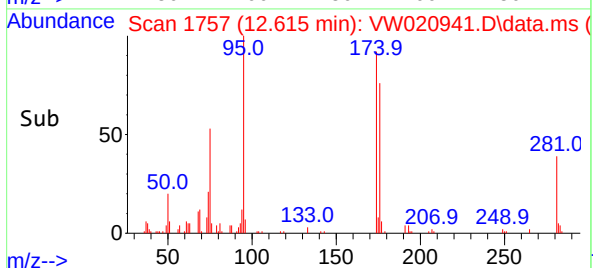
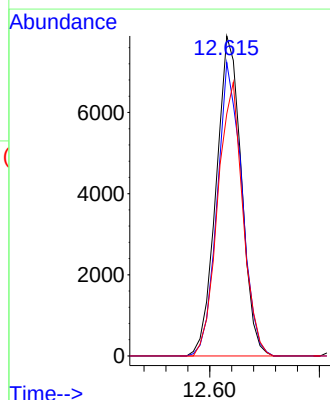
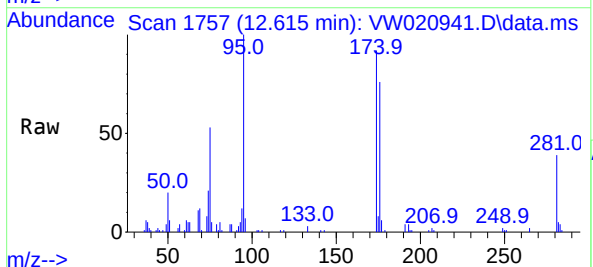
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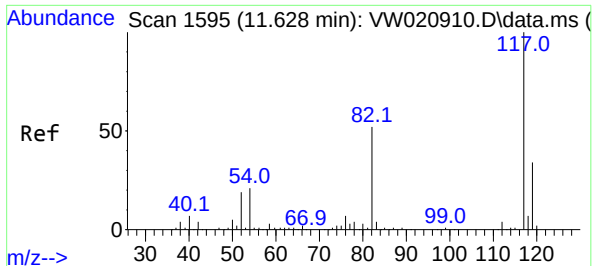
Tgt Ion: 98 Resp: 36029  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 79.0



#62  
4-Bromofluorobenzene  
Concen: 43.610 ug/l  
RT: 12.615 min Scan# 1757  
Delta R.T. 0.000 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

Tgt Ion: 95 Resp: 12571  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 171.2  
176 85.3 0.0 175.4

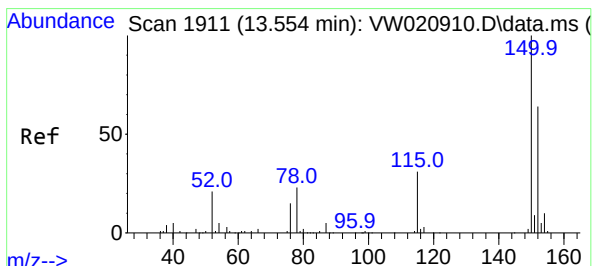
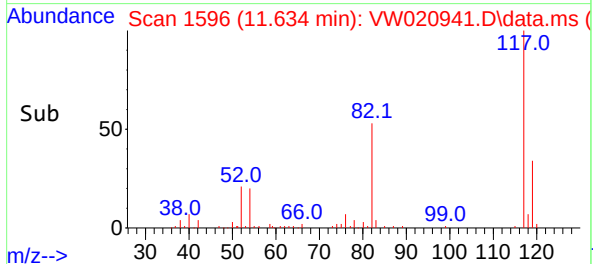
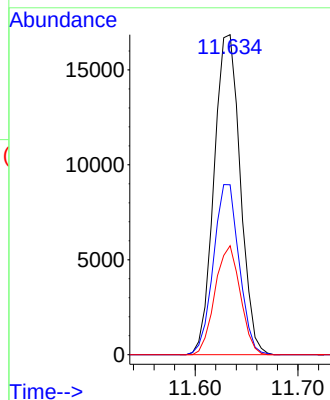
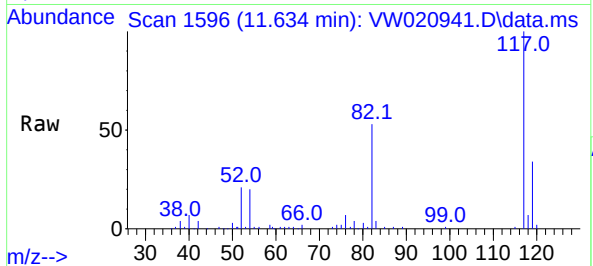




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.634 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 29808 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.1  | 41.4  | 62.2  |
| 119      | 34.0  | 27.2  | 40.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.560 min Scan# 1912  
Delta R.T. 0.006 min  
Lab File: VW020941.D  
Acq: 22 Nov 2021 17:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 14807 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.3  | 27.8  | 83.3  |
| 150      | 154.0 | 0.0   | 348.4 |

