

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051921\  
 Data File : VD069198.D  
 Acq On : 19 May 2021 15:58  
 Operator : VA/SY  
 Sample : M2437-04  
 Misc : 6.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-2

Quant Time: May 20 01:01:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 195803   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 387215   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 383004   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 199273   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 145140   | 73.94    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 147.88%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 145682   | 57.81    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 115.62%  |
| 50) Toluene-d8              | 10.338 | 98    | 492449   | 53.19    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 106.38%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 178135   | 59.79    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 119.58%  |

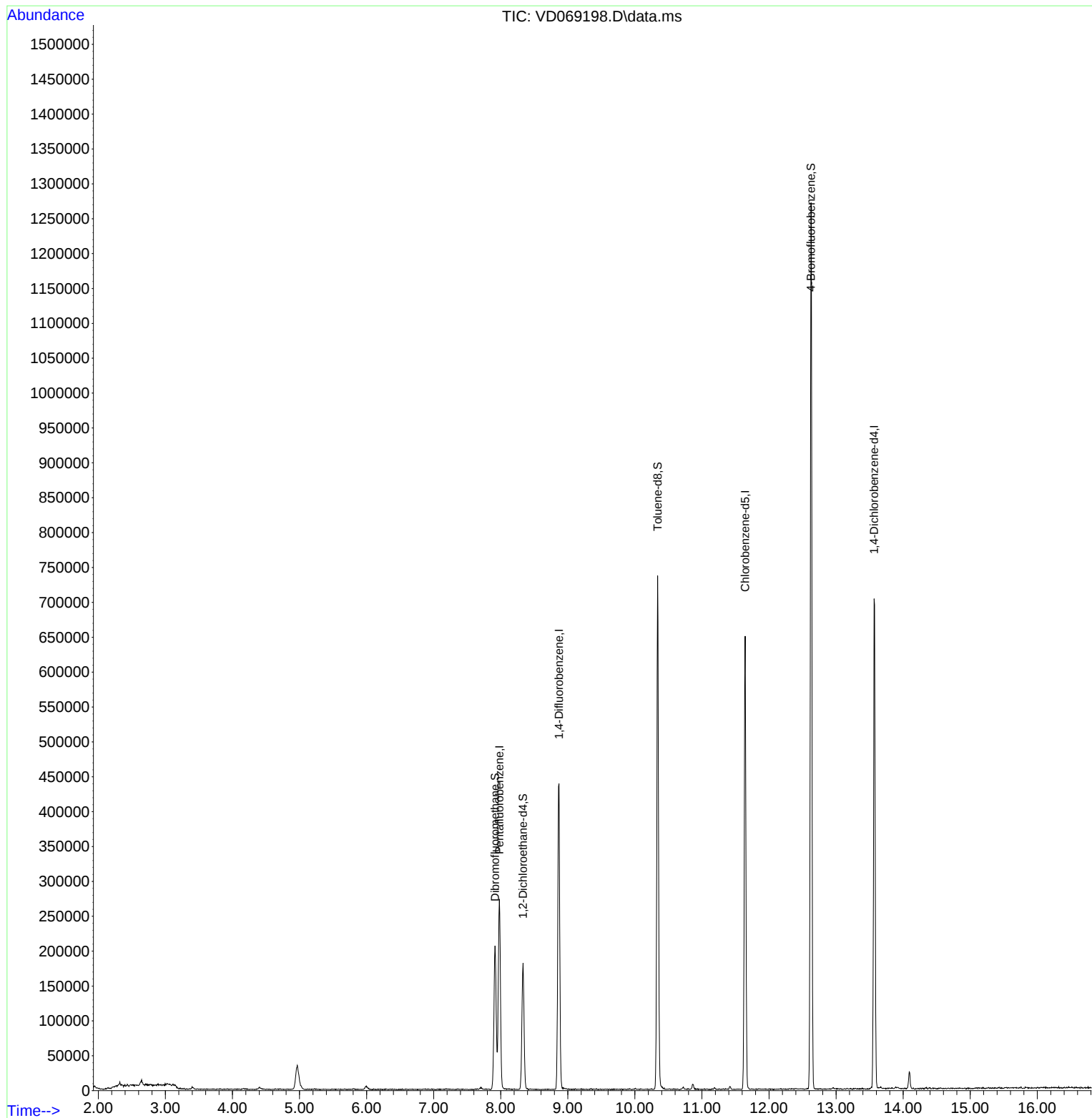
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

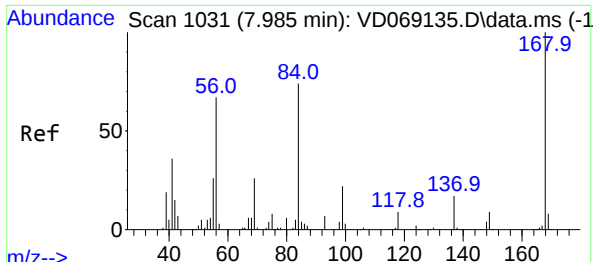
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051921\  
Data File : VD069198.D  
Acq On : 19 May 2021 15:58  
Operator : VA/SY  
Sample : M2437-04  
Misc : 6.02G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-2

Quant Time: May 20 01:01:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

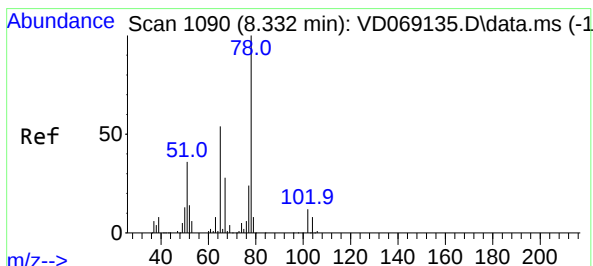
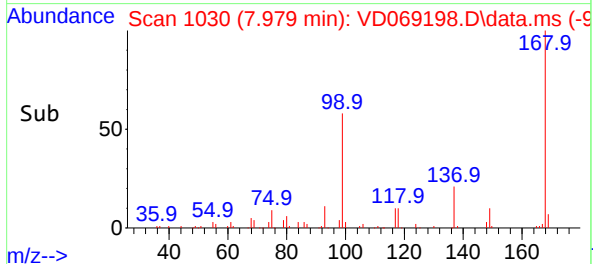
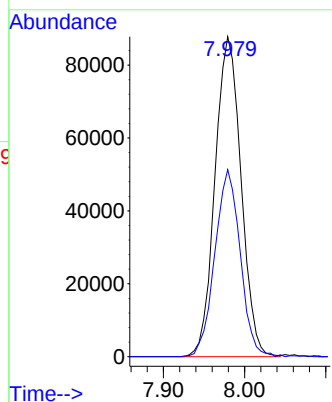
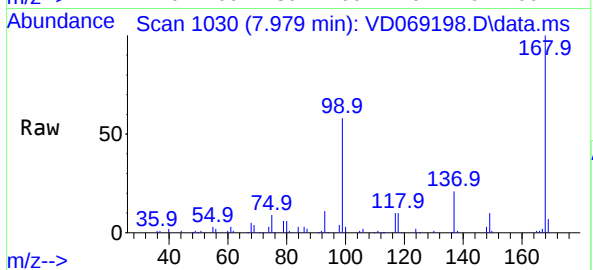




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

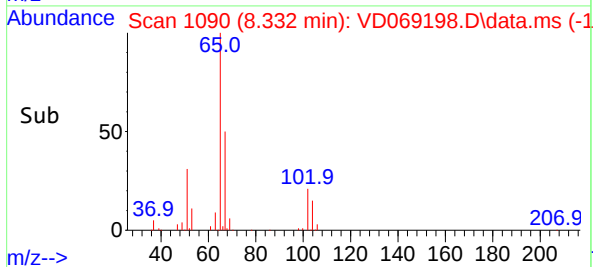
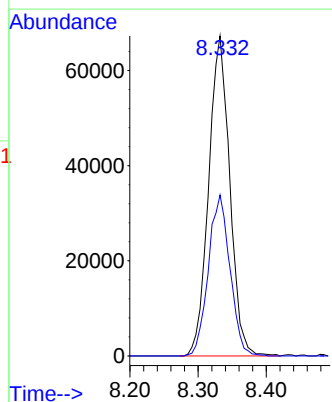
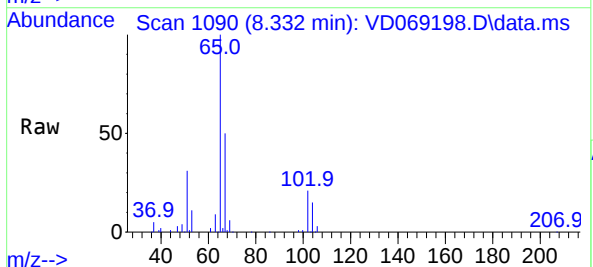
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

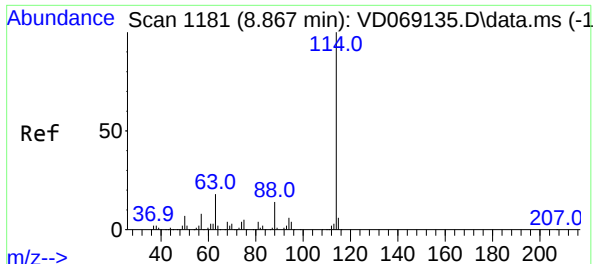
Tgt Ion:168 Resp: 195803  
Ion Ratio Lower Upper  
168 100  
99 58.5 47.2 70.8



#33  
1,2-Dichloroethane-d4  
Concen: 73.94 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

Tgt Ion: 65 Resp: 145140  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 108.0





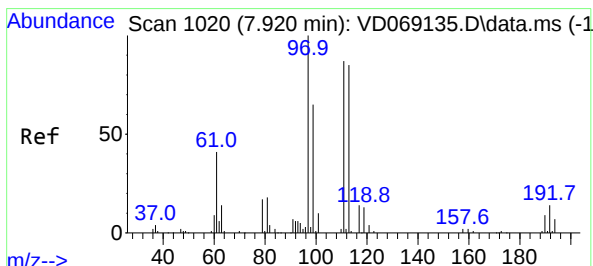
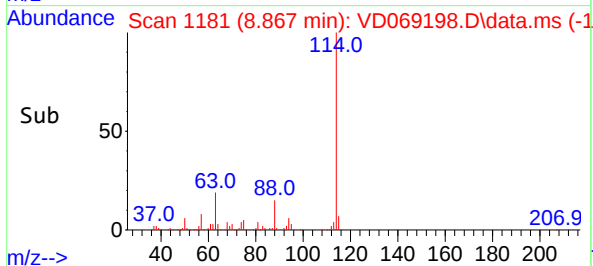
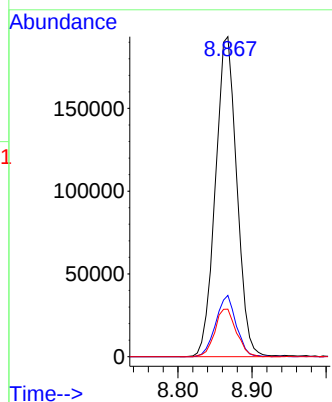
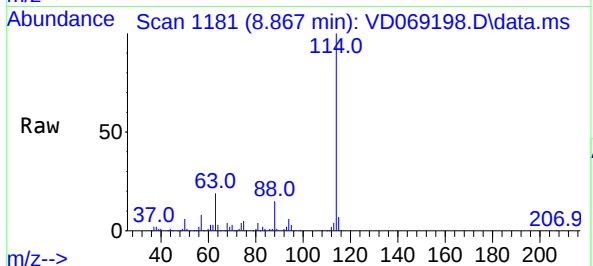
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

Tgt Ion:114 Resp: 387215

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.2  | 0.0   | 36.4  |
| 88  | 14.8  | 0.0   | 28.2  |

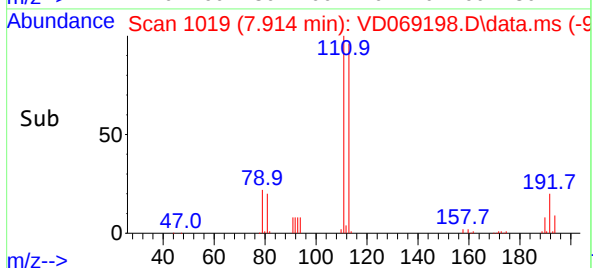
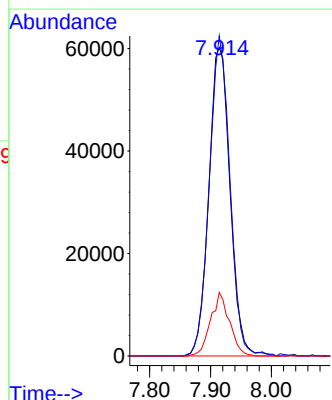
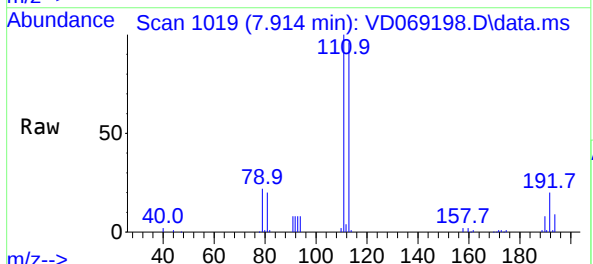


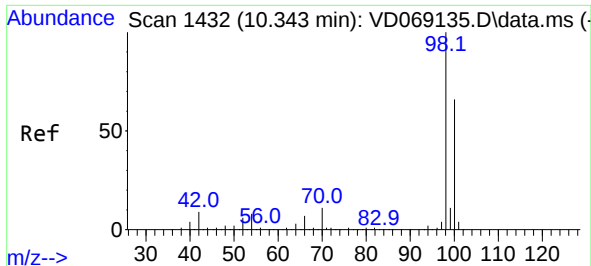
#35

Dibromofluoromethane  
Concen: 57.81 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.005 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

Tgt Ion:113 Resp: 145682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.0 | 80.6  | 120.8 |
| 192 | 18.3  | 14.8  | 22.2  |

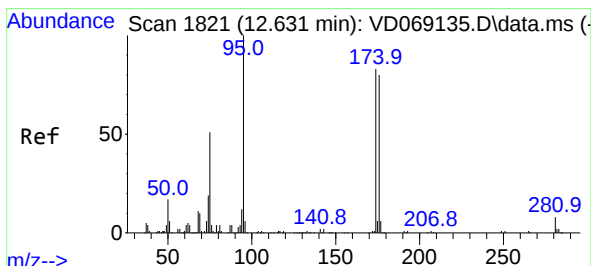
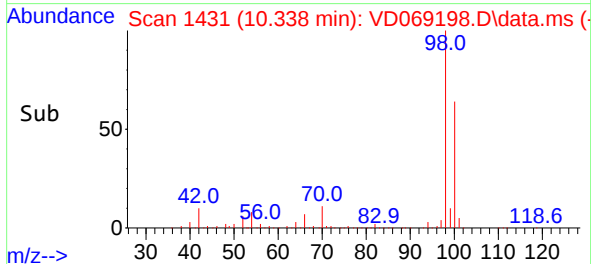
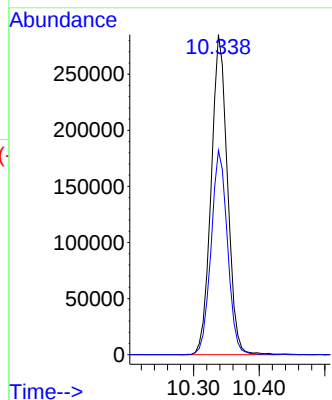
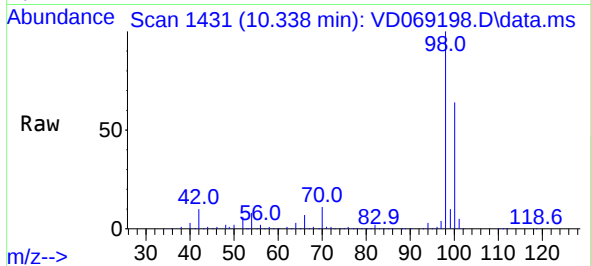




#50  
Toluene-d8  
Concen: 53.19 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.005 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

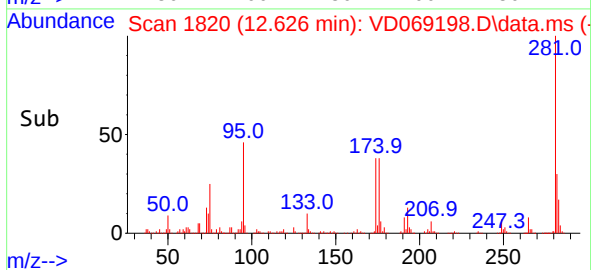
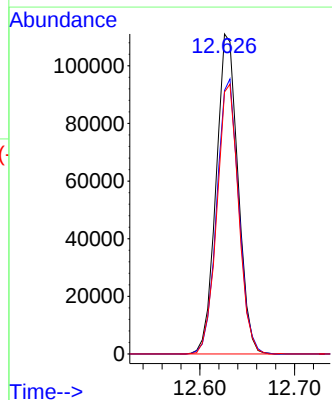
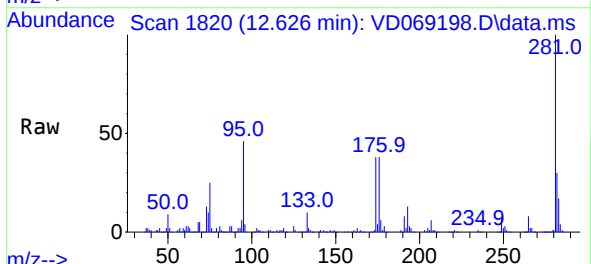
Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

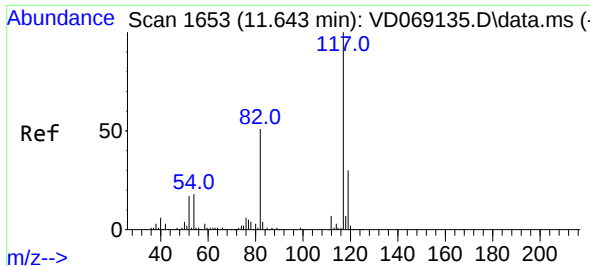
Tgt Ion: 98 Resp: 492449  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 59.79 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.005 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

Tgt Ion: 95 Resp: 178135  
Ion Ratio Lower Upper  
95 100  
174 86.1 0.0 171.8  
176 83.5 0.0 165.4

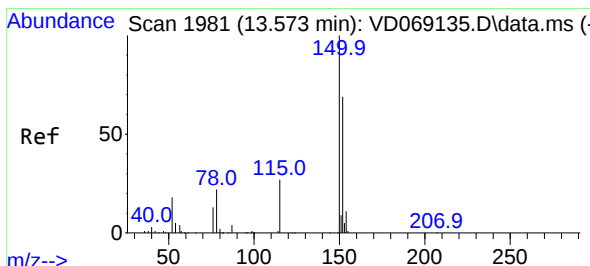
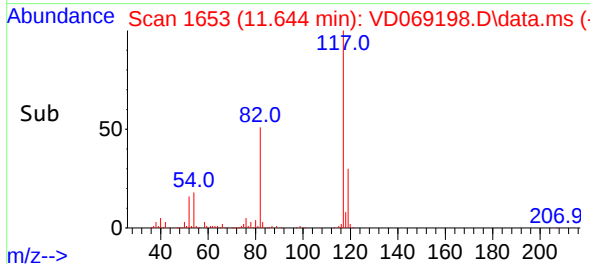
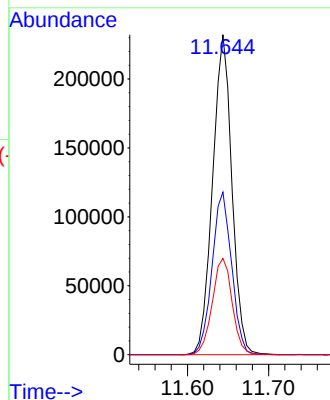
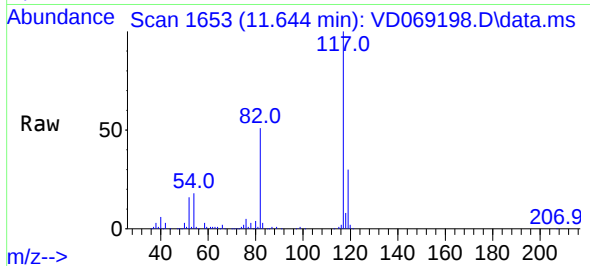




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

Instrument :  
MSVOA\_D  
ClientSampled :  
TP-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 383004 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.8  | 40.5  | 60.7   |
| 119      | 30.1  | 24.2  | 36.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.005 min  
Lab File: VD069198.D  
Acq: 19 May 2021 15:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 199273 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.0  | 29.9  | 89.8   |
| 150      | 153.4 | 0.0   | 350.2  |

