

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072121\  
 Data File : VD069797.D  
 Acq On : 21 Jul 2021 18:08  
 Operator : VA/SY  
 Sample : M3129-01  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RO-VNJ-207

Quant Time: Jul 22 03:43:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 14 06:00:31 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 4986     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.856  | 114   | 8955     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 11001    | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 3627     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 3213     | 51.609   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 103.220% |          |
| 35) Dibromofluoromethane    | 7.909  | 113   | 2633     | 43.827   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 87.660%  |          |
| 50) Toluene-d8              | 10.332 | 98    | 10342    | 44.310   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 88.620%  |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 4122     | 52.954   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 105.900% |          |

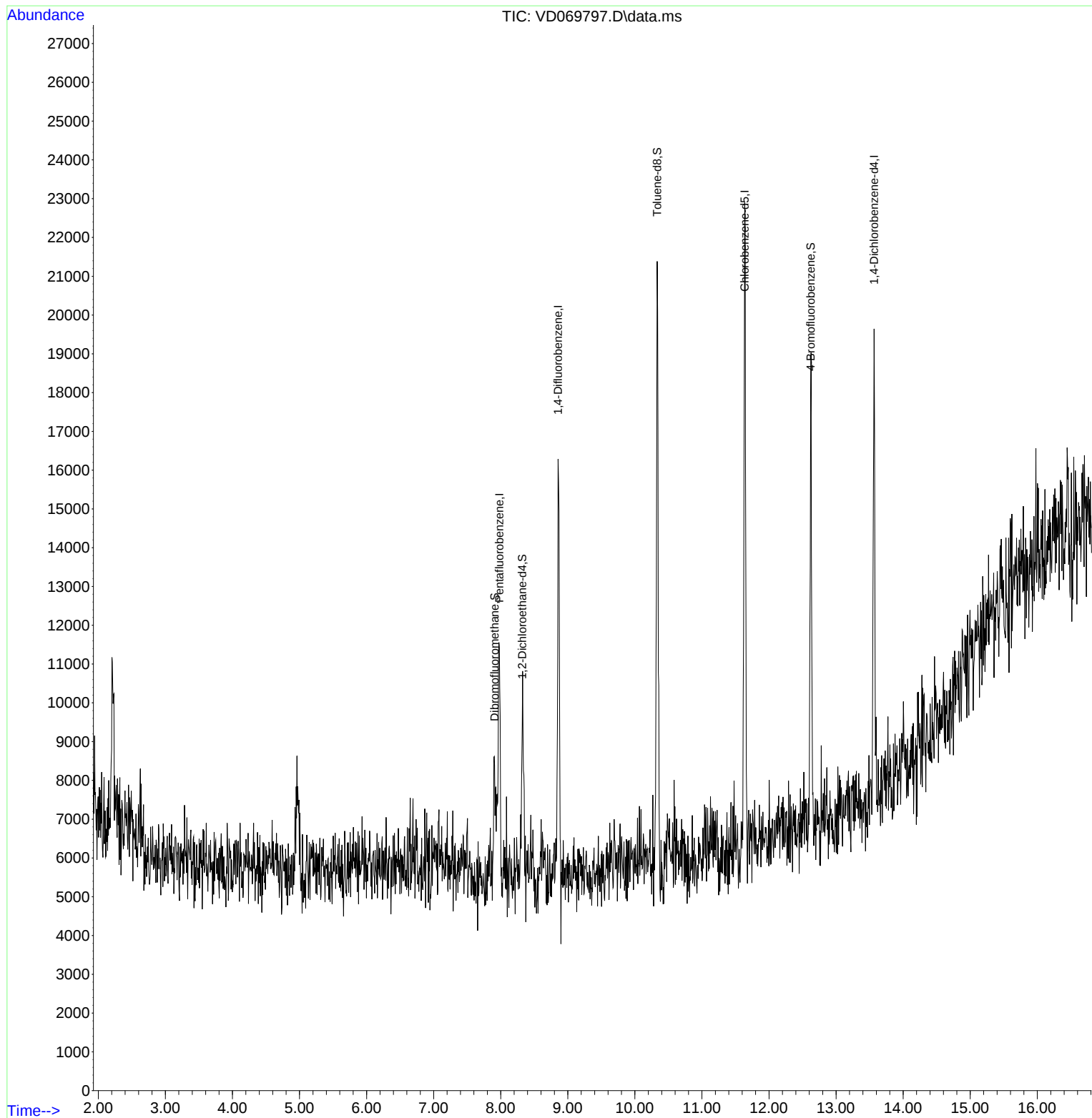
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

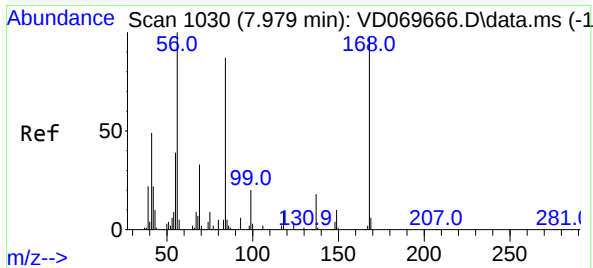
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072121\  
Data File : VD069797.D  
Acq On : 21 Jul 2021 18:08  
Operator : VA/SY  
Sample : M3129-01  
Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-207

Quant Time: Jul 22 03:43:04 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 14 06:00:31 2021  
Response via : Initial Calibration

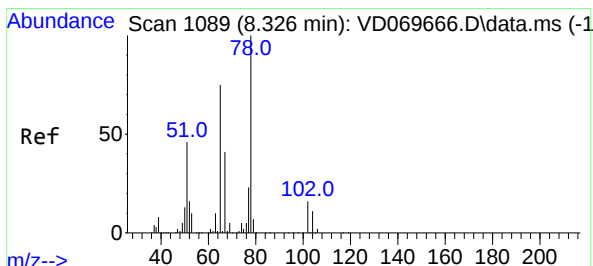
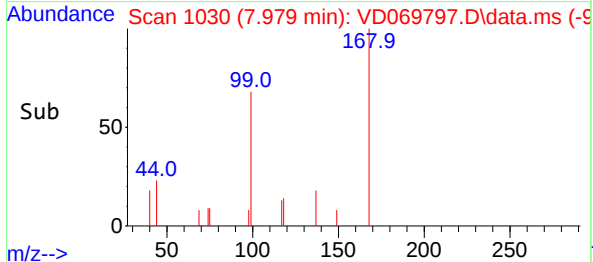
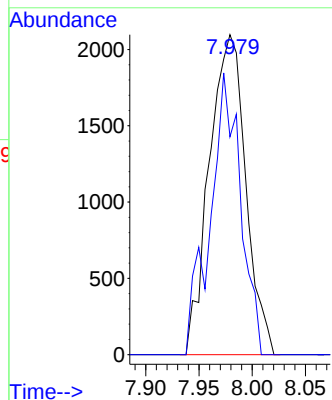
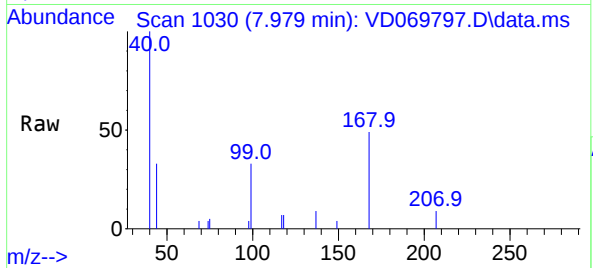




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

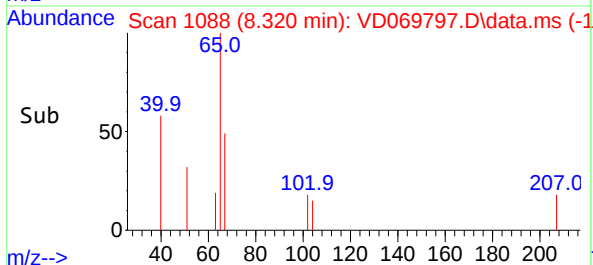
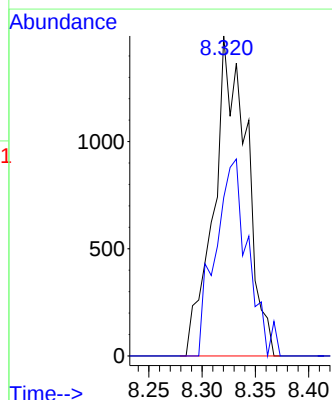
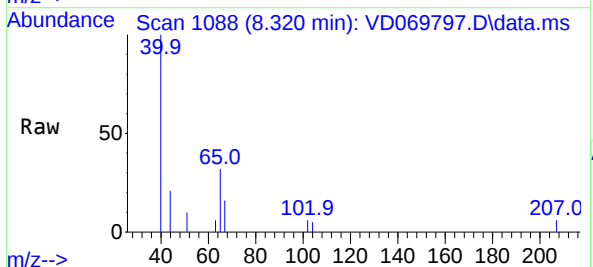
Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-207

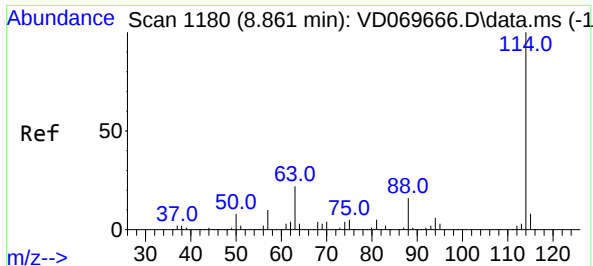
Tgt Ion:168 Resp: 4986  
Ion Ratio Lower Upper  
168 100  
99 68.1 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 51.609 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

Tgt Ion: 65 Resp: 3213  
Ion Ratio Lower Upper  
65 100  
67 60.7 0.0 107.2



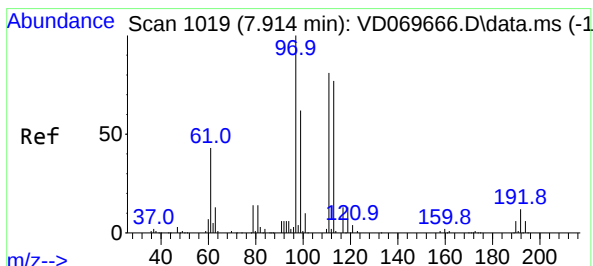
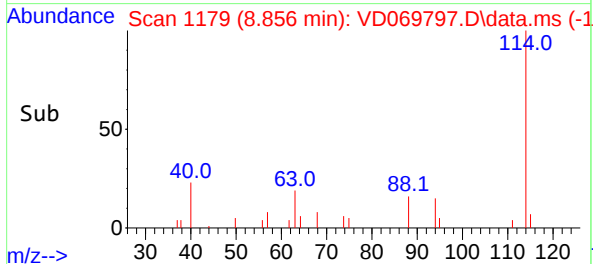
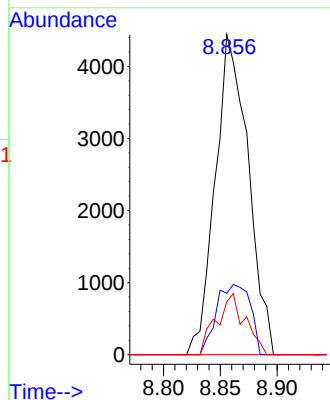
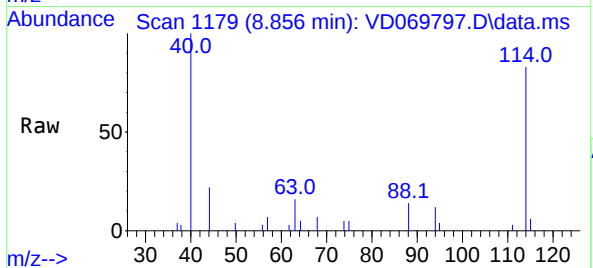


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.856 min Scan# 1179  
Delta R.T. -0.005 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-207

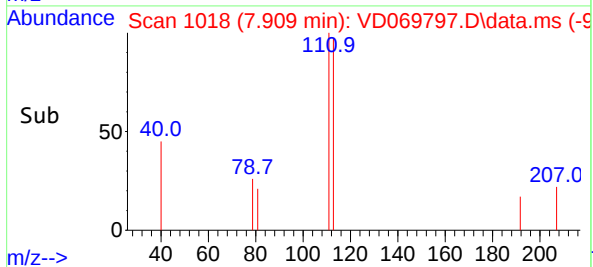
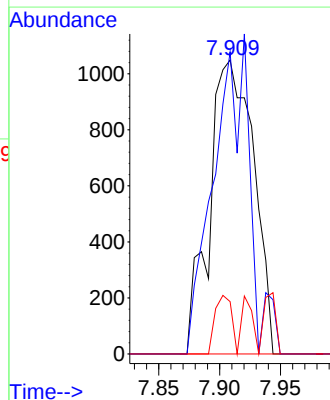
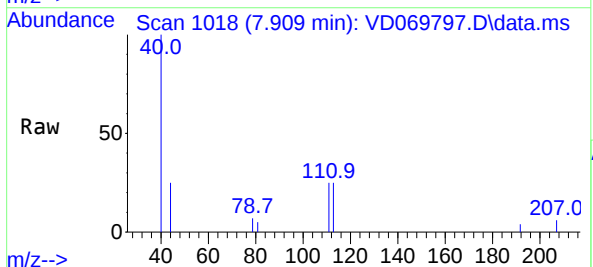
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 114   | Resp: | 8955 |
| Ion Ratio | Lower | Upper |      |
| 114       | 100   |       |      |
| 63        | 19.2  | 0.0   | 43.4 |
| 88        | 16.5  | 0.0   | 32.0 |

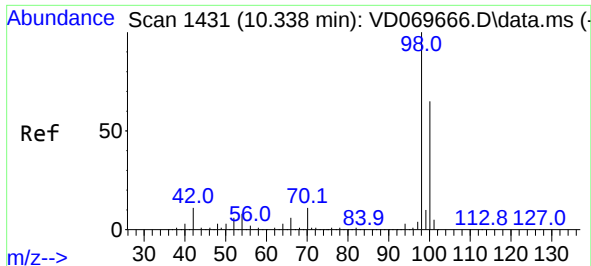


#35

Dibromofluoromethane  
Concen: 43.827 ug/l  
RT: 7.909 min Scan# 1018  
Delta R.T. -0.005 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 2633   |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 0.0   | 82.6  | 123.8# |
| 192       | 7.5   | 12.7  | 19.1#  |

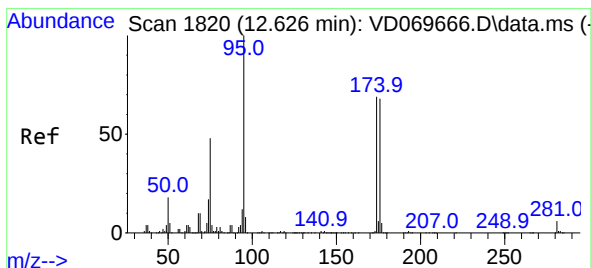
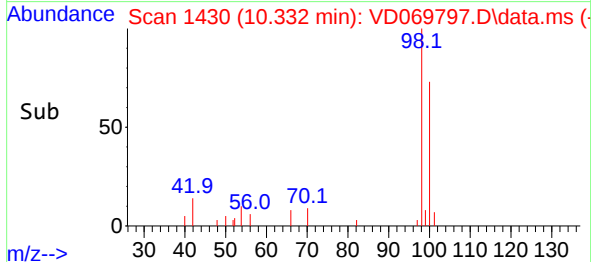
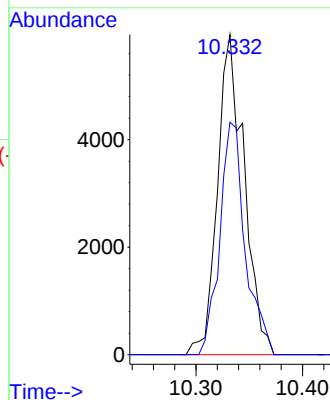
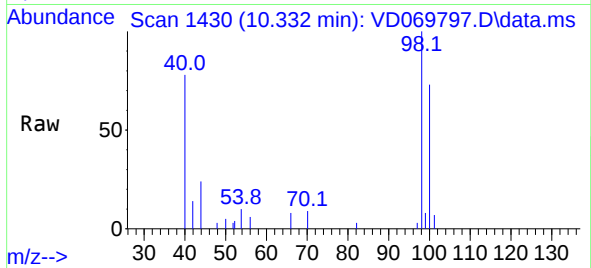




#50  
Toluene-d8  
Concen: 44.310 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

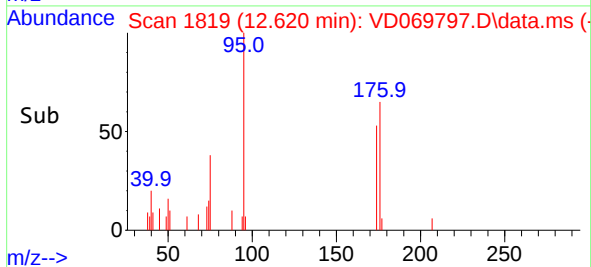
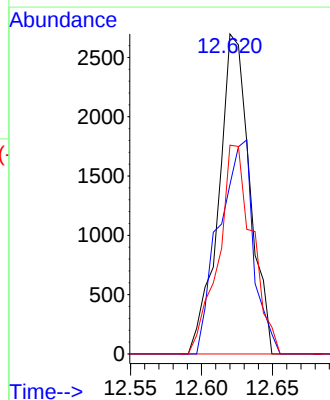
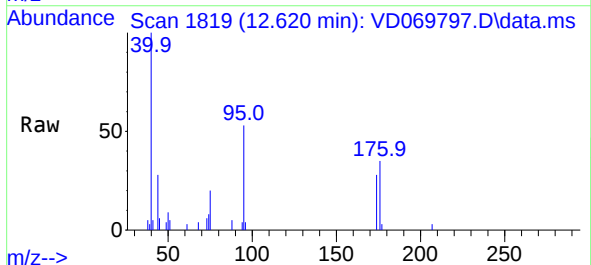
Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-207

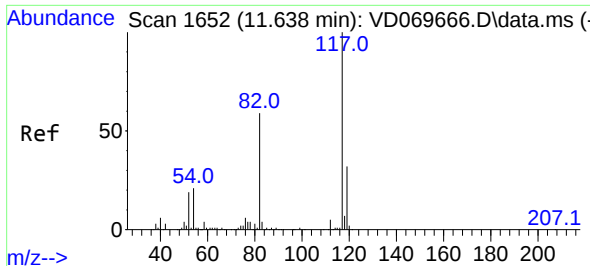
Tgt Ion: 98 Resp: 10342  
Ion Ratio Lower Upper  
98 100  
100 69.3 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 52.954 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

Tgt Ion: 95 Resp: 4122  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 140.0  
176 70.7 0.0 136.2

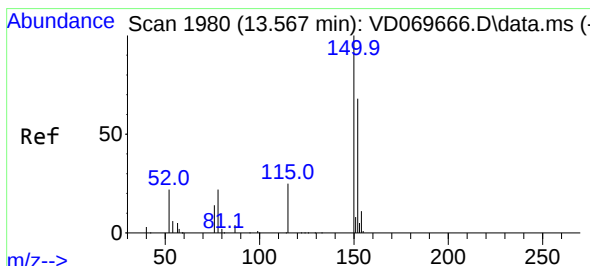
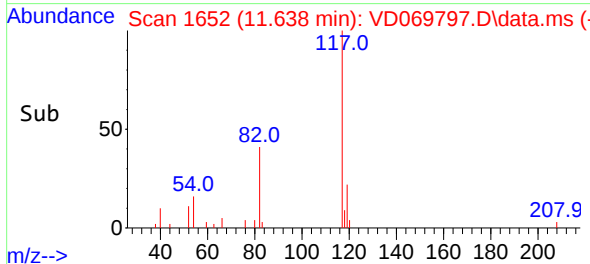
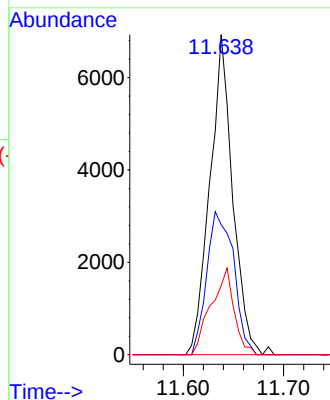
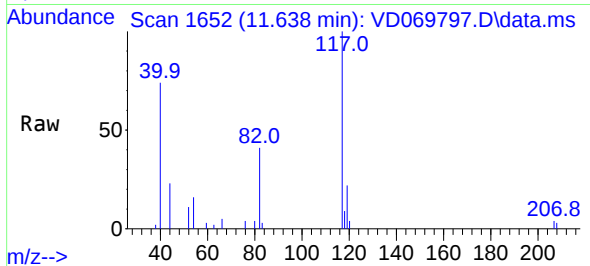




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-207

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11001 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 40.7  | 47.4  | 71.2# |
| 119      | 21.6  | 25.5  | 38.3# |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD069797.D  
Acq: 21 Jul 2021 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 3627  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 61.7  | 31.7  | 95.1  |
| 150      | 128.6 | 0.0   | 350.4 |

