

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072721\  
 Data File : VD069871.D  
 Acq On : 27 Jul 2021 17:23  
 Operator : VA/SY  
 Sample : M3186-04  
 Misc : 5.42G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AREA-2-(7)

Quant Time: Jul 28 04:00:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:51:13 2021  
 Response via : Initial Calibration

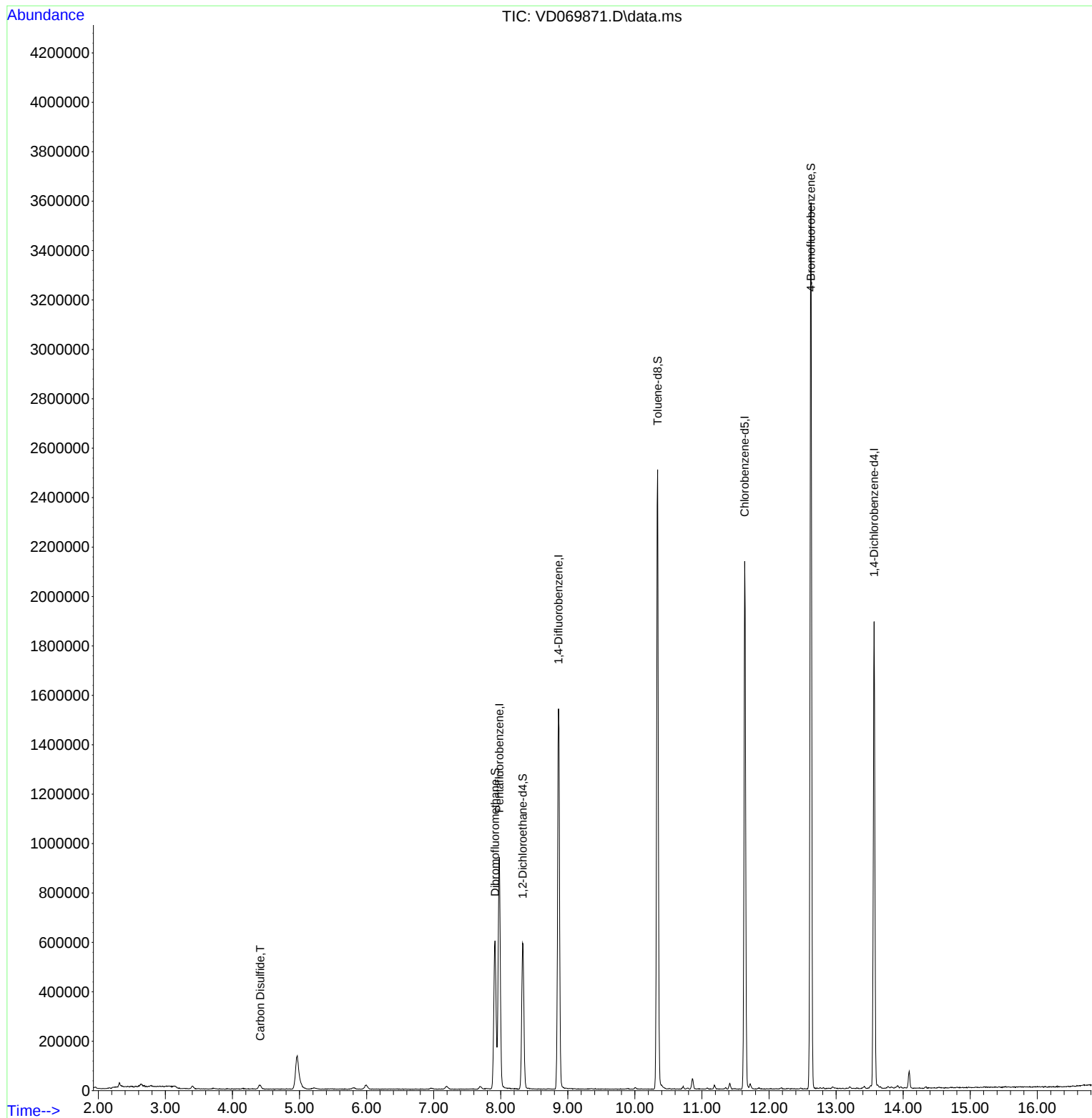
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|------------|-----------|
| -----                       |        |       |          |          |            |           |
| Internal Standards          |        |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.979  | 168   | 666610   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 1336486  | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 1225848  | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 496047   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |        |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 479583   | 62.555   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 125.100% |           |
| 35) Dibromofluoromethane    | 7.914  | 113   | 449898   | 53.399   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 106.800% |           |
| 50) Toluene-d8              | 10.338 | 98    | 1709473  | 52.620   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 105.240% |           |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 588264   | 54.182   | ug/l       | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 108.360% |           |
| Target Compounds            |        |       |          |          |            |           |
| 17) Carbon Disulfide        | 4.415  | 76    | 37039    | 1.358    | ug/l       | Qvalue 97 |
| -----                       |        |       |          |          |            |           |

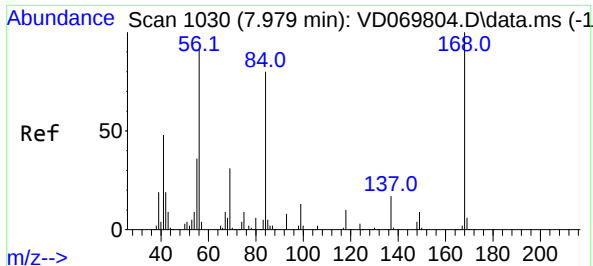
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072721\  
Data File : VD069871.D  
Acq On : 27 Jul 2021 17:23  
Operator : VA/SY  
Sample : M3186-04  
Misc : 5.42G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
AREA-2-(7)

Quant Time: Jul 28 04:00:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 04:51:13 2021  
Response via : Initial Calibration

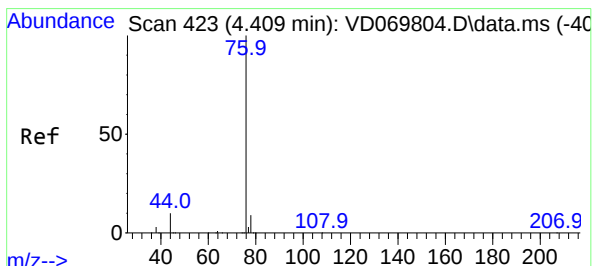
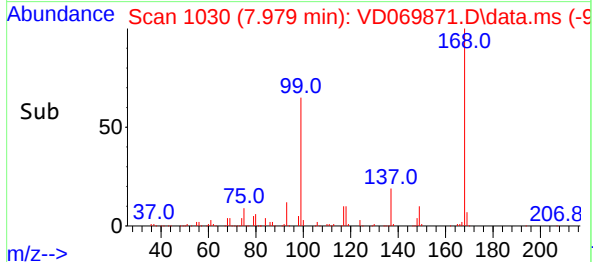
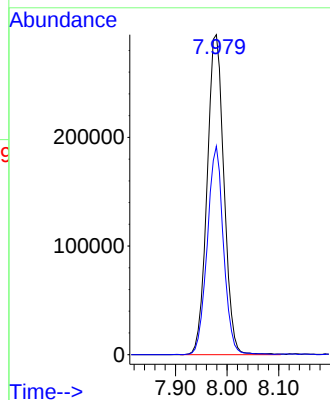
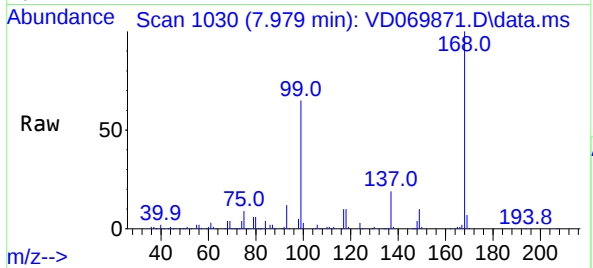




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

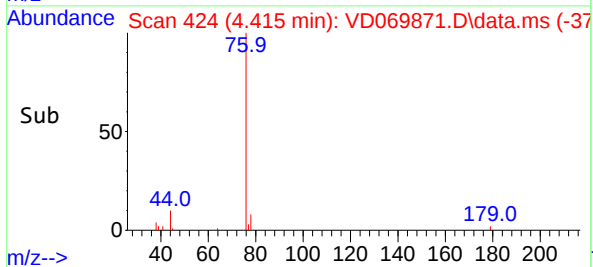
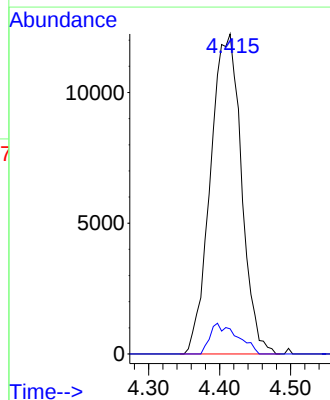
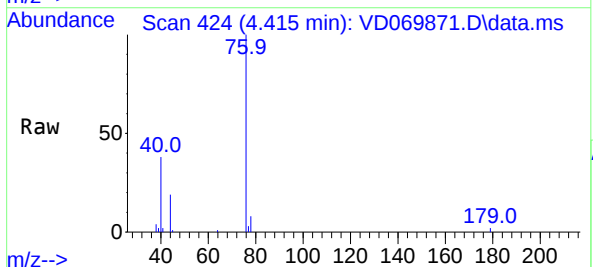
Instrument :  
MSVOA\_D  
ClientSampleId :  
AREA-2-(7)

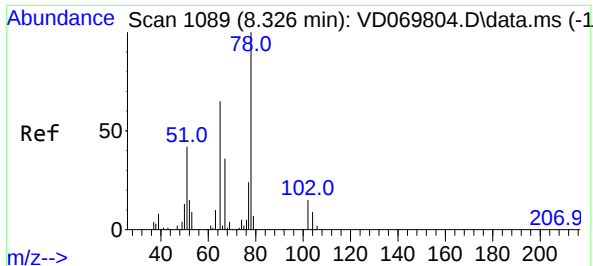
Tgt Ion:168 Resp: 666610  
Ion Ratio Lower Upper  
168 100  
99 65.1 51.1 76.7



#17  
Carbon Disulfide  
Concen: 1.358 ug/l  
RT: 4.415 min Scan# 424  
Delta R.T. 0.006 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

Tgt Ion: 76 Resp: 37039  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.3 10.9

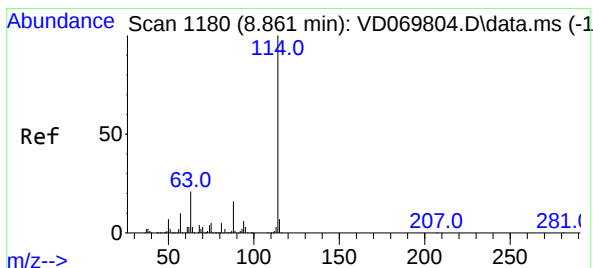
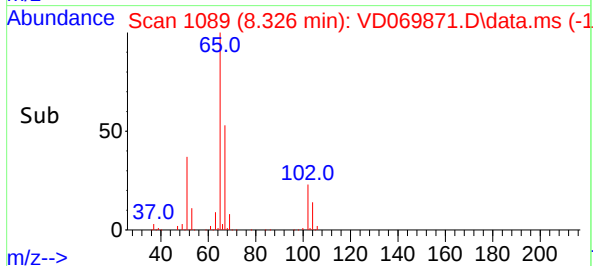
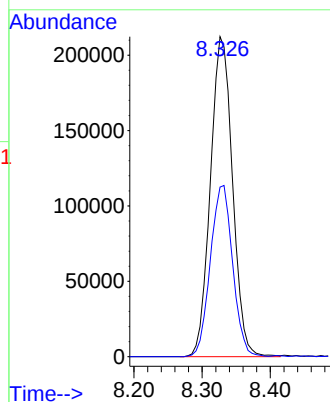
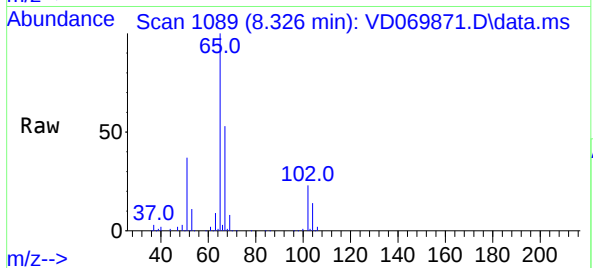




#33  
1,2-Dichloroethane-d4  
Concen: 62.555 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

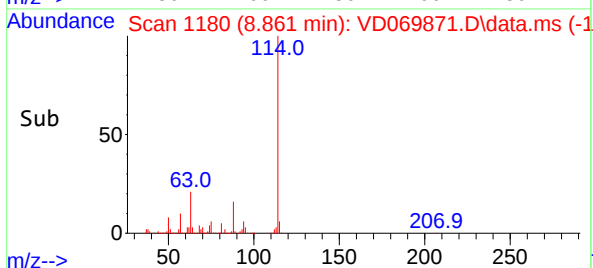
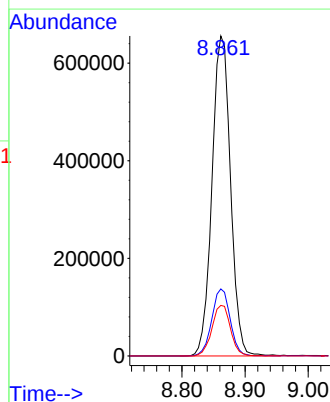
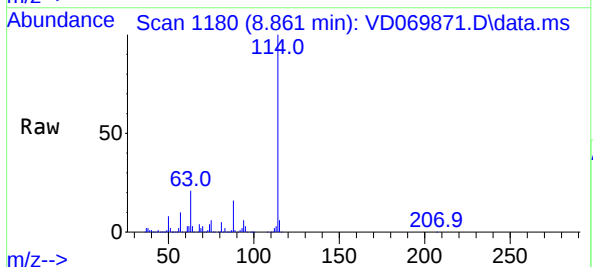
Instrument :  
MSVOA\_D  
ClientSampleId :  
AREA-2-(7)

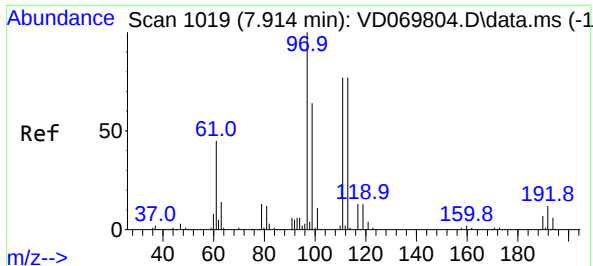
Tgt Ion: 65 Resp: 479583  
Ion Ratio Lower Upper  
65 100  
67 53.9 0.0 111.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

Tgt Ion:114 Resp: 1336486  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 41.6  
88 15.8 0.0 31.4

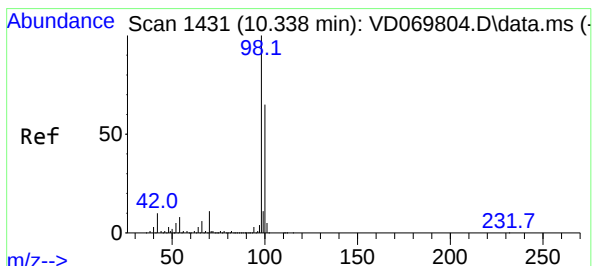
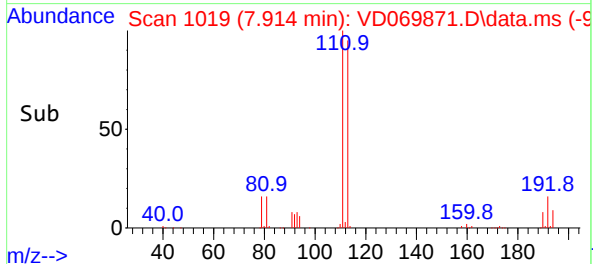
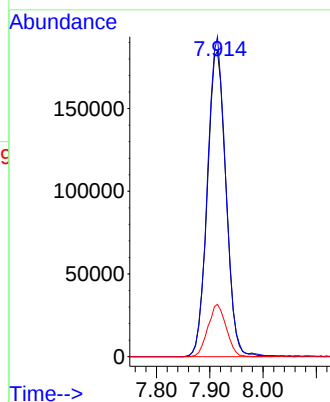
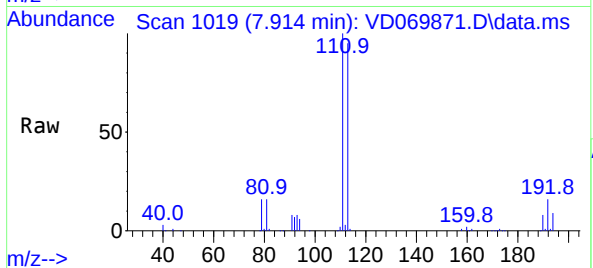




#35  
Dibromofluoromethane  
Concen: 53.399 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

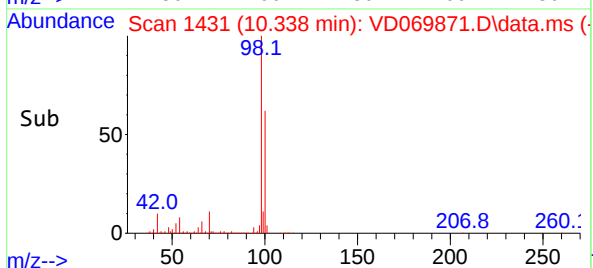
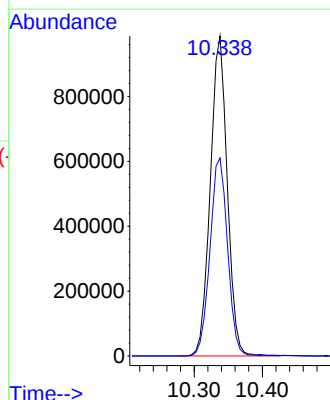
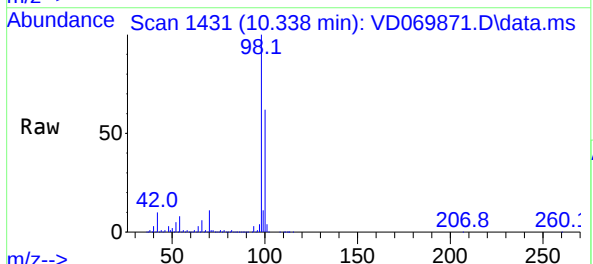
Instrument :  
MSVOA\_D  
ClientSampleId :  
AREA-2-(7)

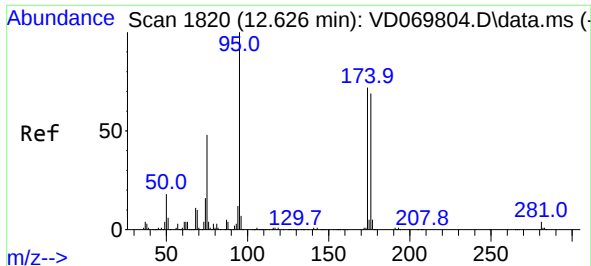
Tgt Ion:113 Resp: 449898  
Ion Ratio Lower Upper  
113 100  
111 102.2 80.5 120.7  
192 16.7 12.6 19.0



#50  
Toluene-d8  
Concen: 52.620 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

Tgt Ion: 98 Resp: 1709473  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.9 77.9

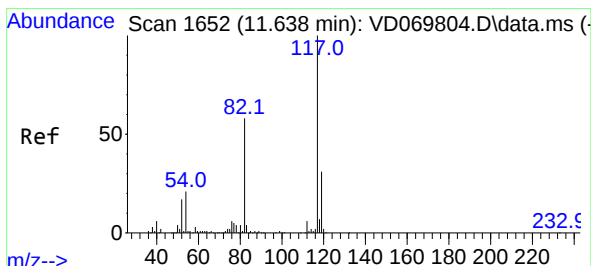
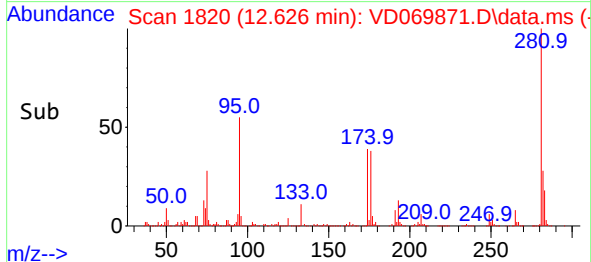
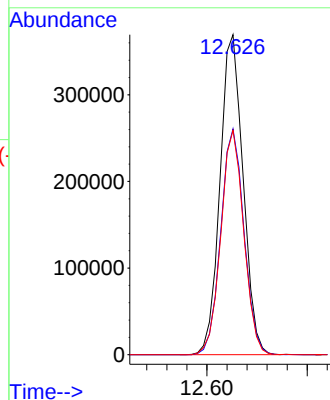
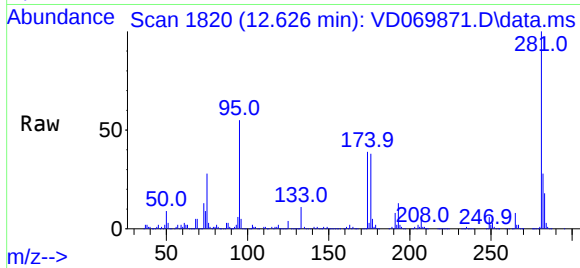




#62  
4-Bromofluorobenzene  
Concen: 54.182 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

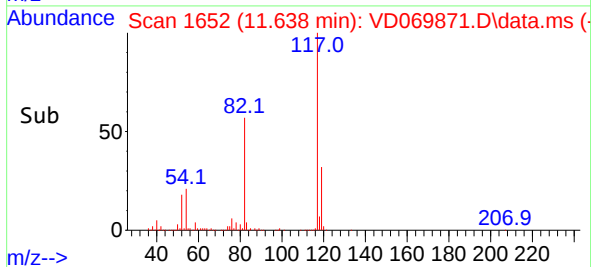
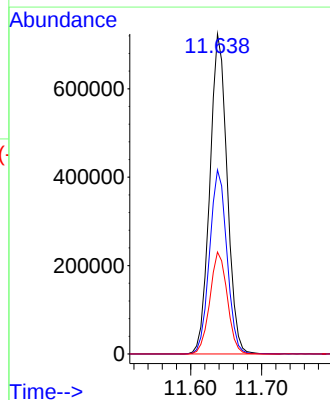
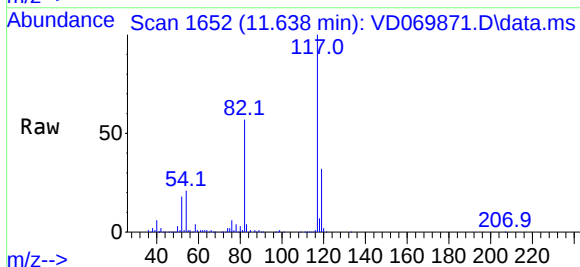
Instrument :  
MSVOA\_D  
ClientSampleId :  
AREA-2-(7)

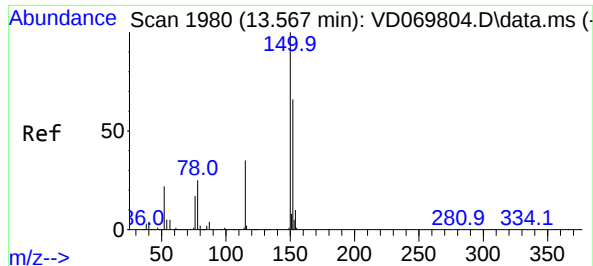
Tgt Ion: 95 Resp: 588264  
Ion Ratio Lower Upper  
95 100  
174 71.0 0.0 142.6  
176 69.6 0.0 134.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD069871.D  
Acq: 27 Jul 2021 17:23

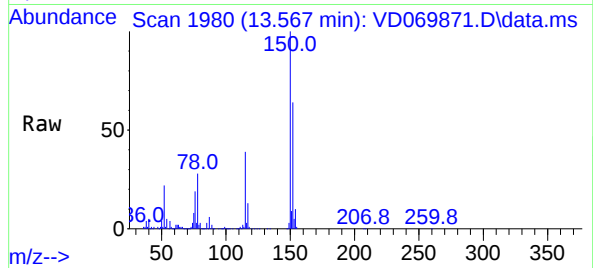
Tgt Ion: 117 Resp: 1225848  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.3 69.5  
119 31.9 24.7 37.1





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.000 min  
 Lab File: VD069871.D  
 Acq: 27 Jul 2021 17:23

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AREA-2-(7)



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 496047 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 62.0  | 31.1  | 93.3   |
| 150       | 155.8 | 0.0   | 343.0  |

