

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070921\  
 Data File : VD069655.D  
 Acq On : 09 Jul 2021 19:23  
 Operator : VA/SY  
 Sample : M2988-06  
 Misc : 6.11G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GRAB-1

Quant Time: Jul 10 02:57:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 22 04:33:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 553722   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1118259  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 1250917  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 575592   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 373997   | 54.186   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.380% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 362691   | 47.980   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.960%  |
| 50) Toluene-d8              | 10.338 | 98    | 1496190  | 52.768   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.540% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 604696   | 64.871   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 129.740% |

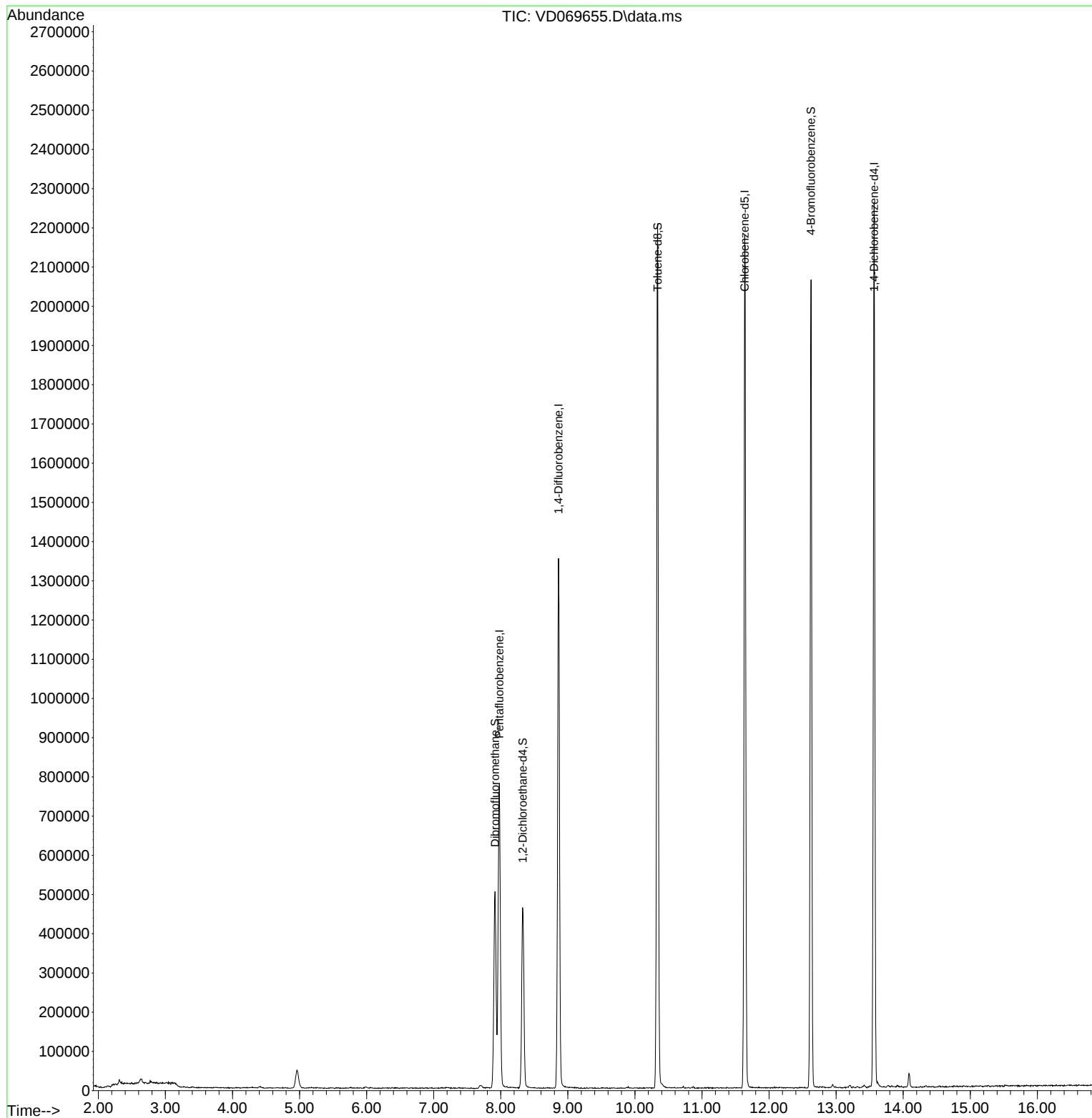
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

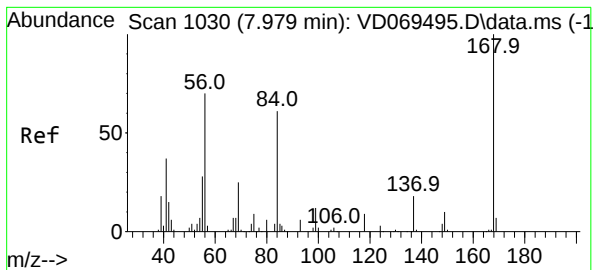
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
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GRAB-1

Quant Time: Jul 10 02:57:07 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062121S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 22 04:33:24 2021  
Response via : Initial Calibration

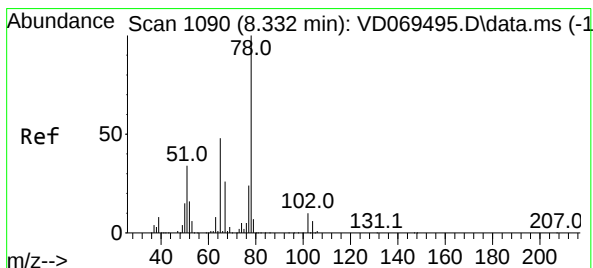
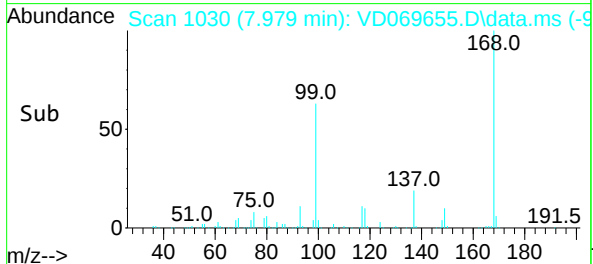
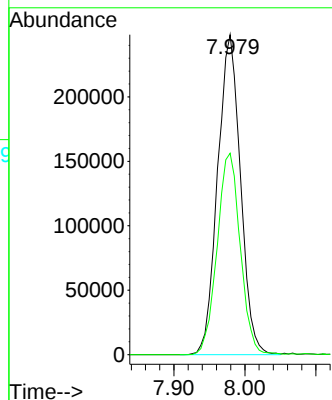
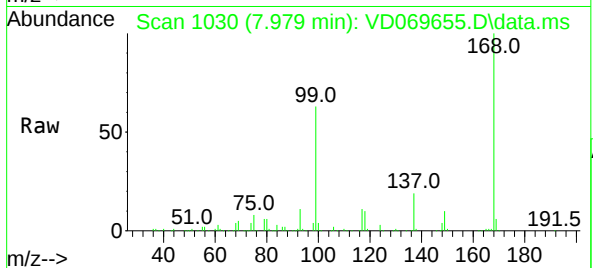




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

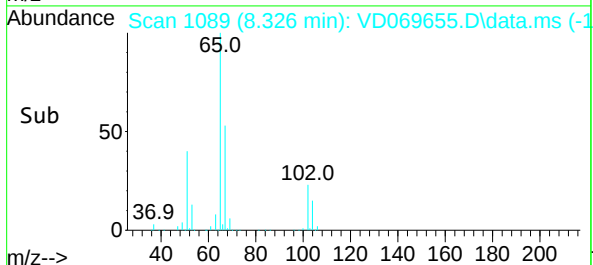
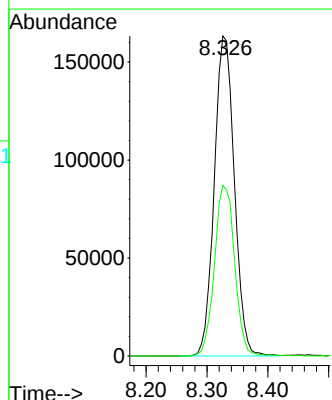
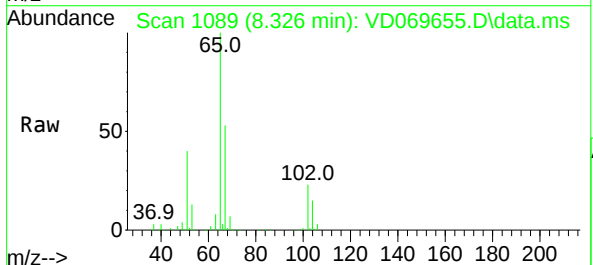
Instrument :  
MSVOA\_D  
ClientSampleId :  
GRAB-1

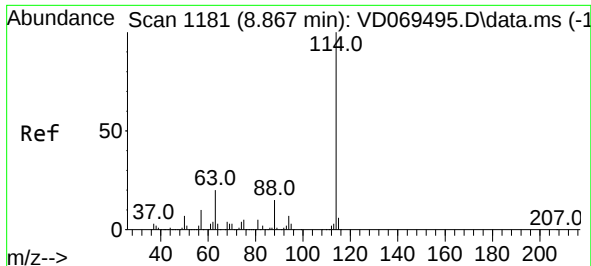
Tgt Ion:168 Resp: 553722  
Ion Ratio Lower Upper  
168 100  
99 63.0 49.3 73.9



#33  
1,2-Dichloroethane-d4  
Concen: 54.186 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Tgt Ion: 65 Resp: 373997  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 105.6



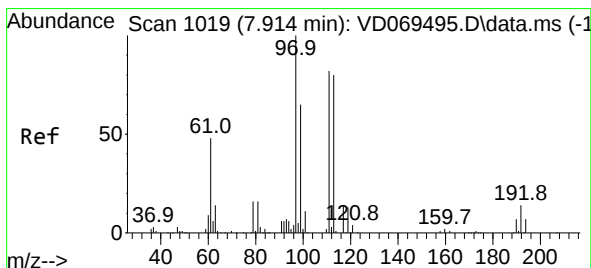
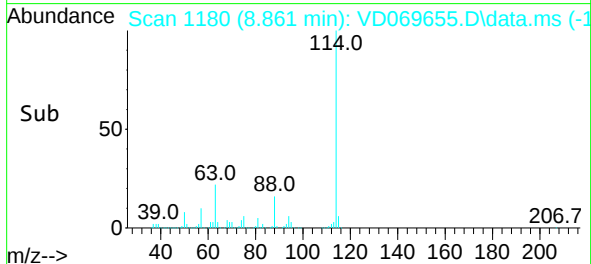
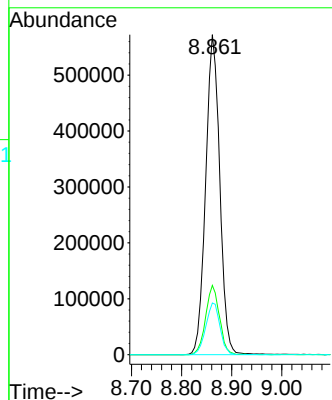
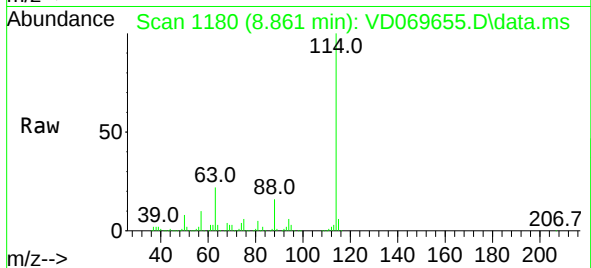


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
GRAB-1

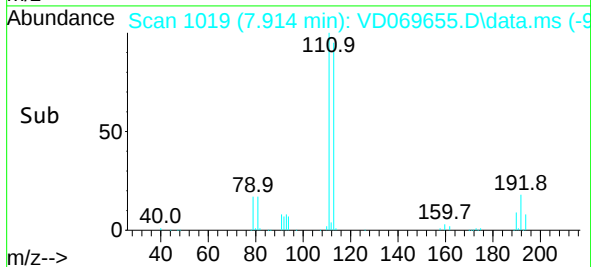
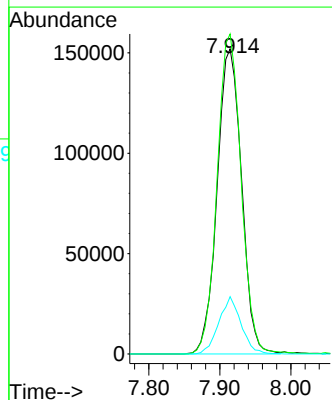
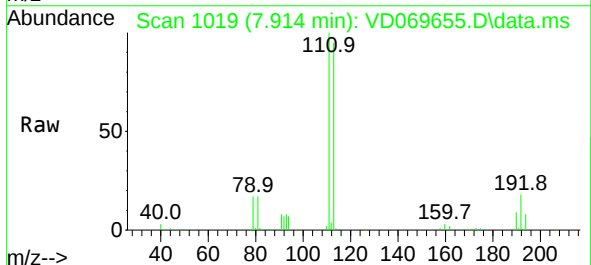
Tgt Ion:114 Resp: 1118259  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 39.6  
88 16.2 0.0 29.8

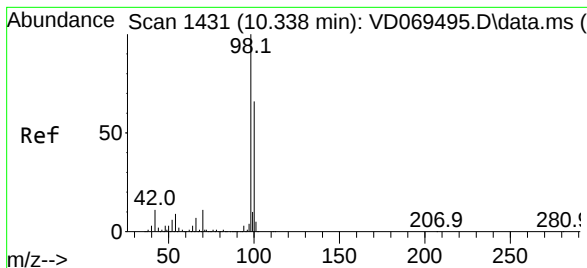


#35

Dibromofluoromethane  
Concen: 47.980 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Tgt Ion:113 Resp: 362691  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.8 122.8  
192 17.1 13.8 20.6

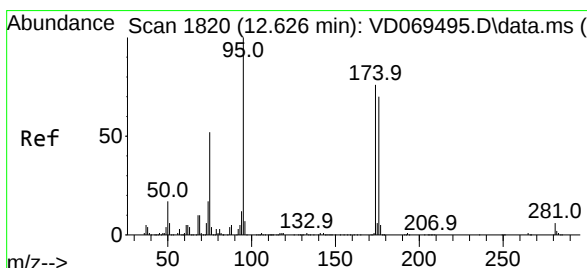
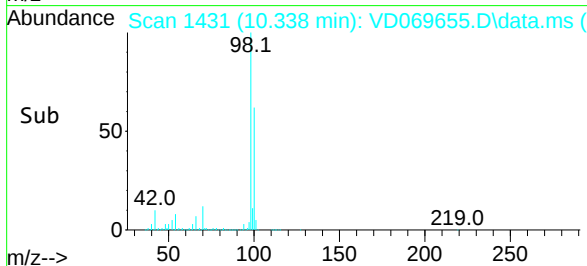
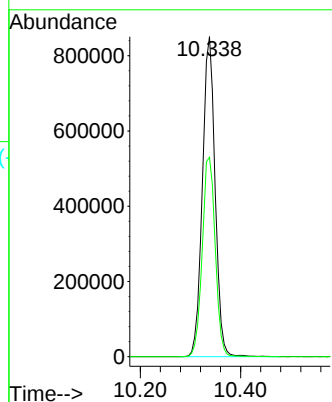
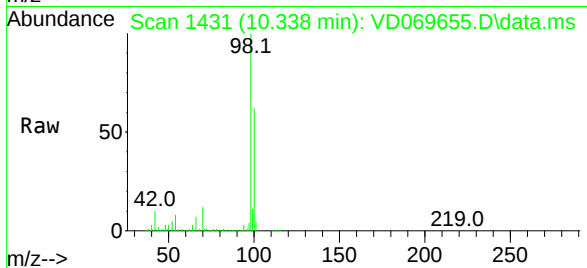




#50  
Toluene-d8  
Concen: 52.768 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

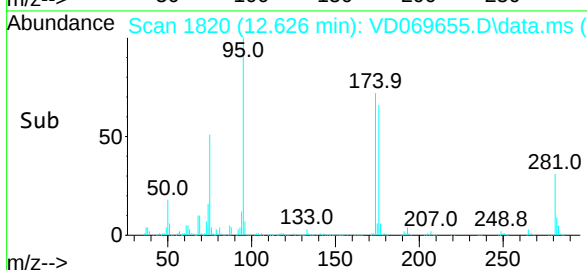
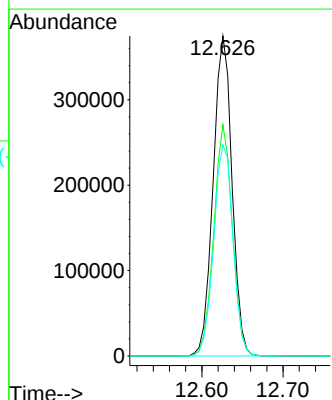
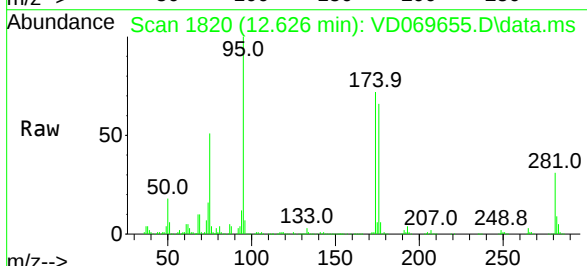
Instrument :  
MSVOA\_D  
ClientSampleId :  
GRAB-1

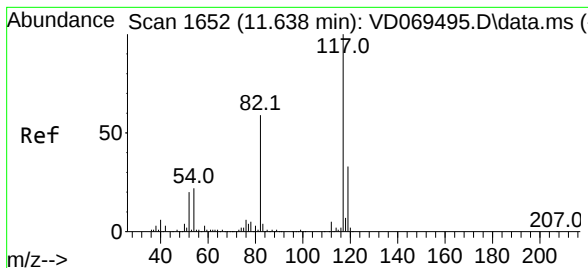
Tgt Ion: 98 Resp: 1496190  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 64.871 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Tgt Ion: 95 Resp: 604696  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 148.0  
176 67.7 0.0 139.8

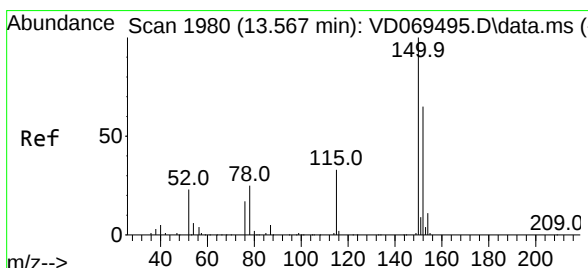
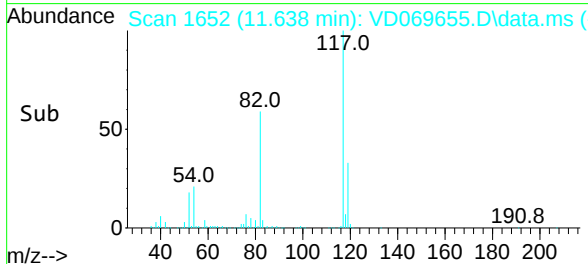
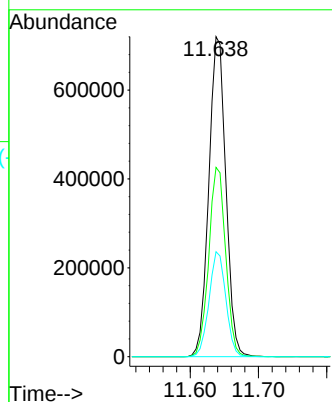
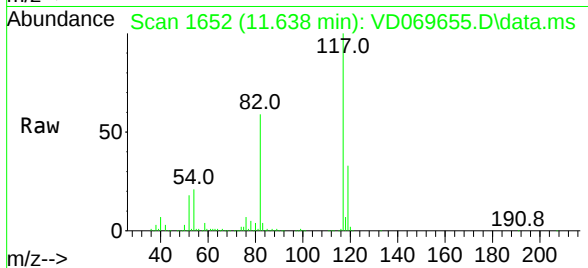




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
GRAB-1

Tgt Ion:117 Resp: 1250917  
Ion Ratio Lower Upper  
117 100  
82 59.2 46.8 70.2  
119 32.8 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. -0.000 min  
Lab File: VD069655.D  
Acq: 09 Jul 2021 19:23

Tgt Ion:152 Resp: 575592  
Ion Ratio Lower Upper  
152 100  
115 62.8 31.7 95.1  
150 157.2 0.0 350.8

