

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070921\  
 Data File : VD069652.D  
 Acq On : 09 Jul 2021 17:58  
 Operator : VA/SY  
 Sample : M2990-10  
 Misc : 4.43G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-I

Quant Time: Jul 10 02:56:14 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  | 615118   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1177900  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 1277299  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 590543   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 364842   | 47.584   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.160%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 371774   | 46.691   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 93.380%  |
| 50) Toluene-d8              | 10.338 | 98    | 1550498  | 51.915   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.820% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 595563   | 60.656   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 121.320% |

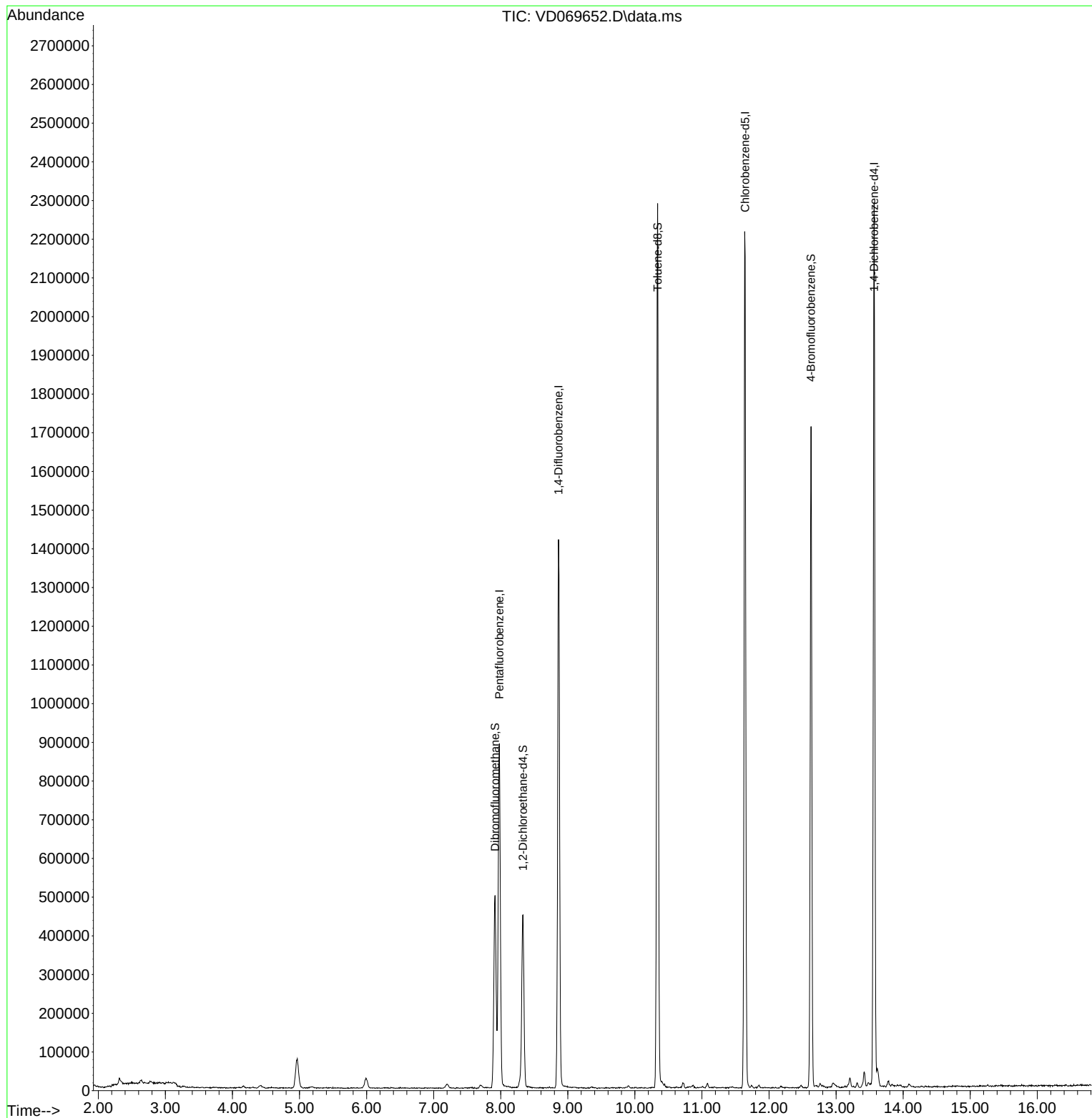
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

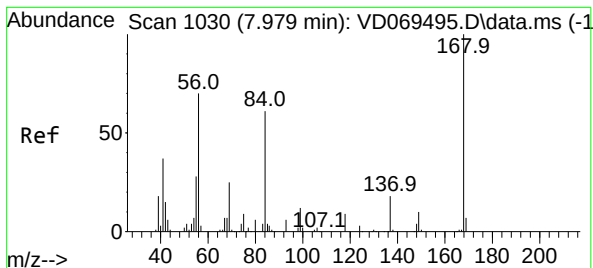
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 22 04:33:24 2021  
Response via : Initial Calibration

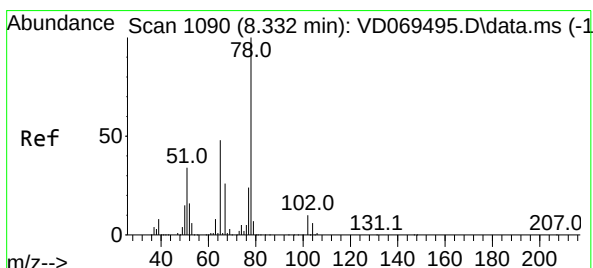
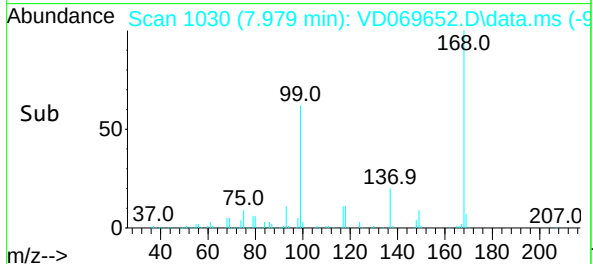
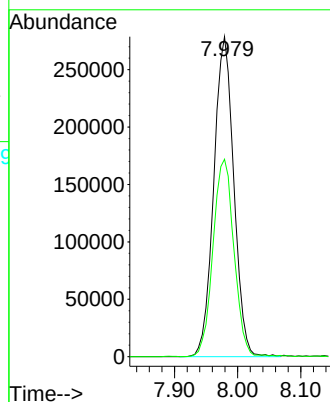
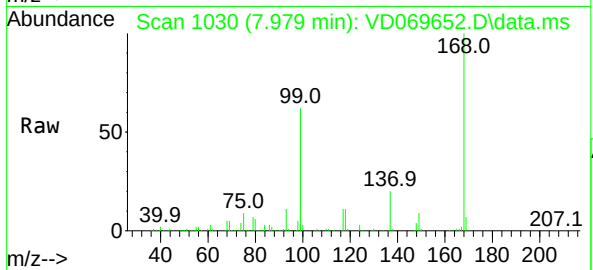




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

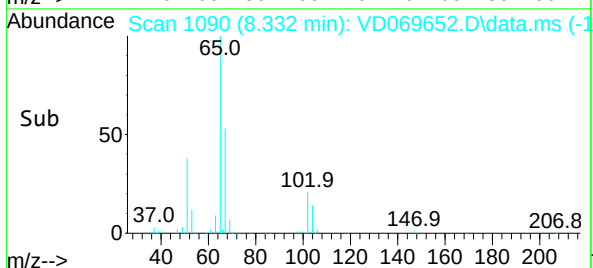
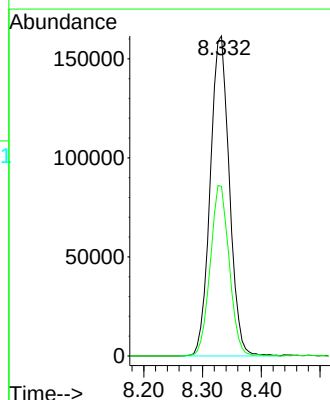
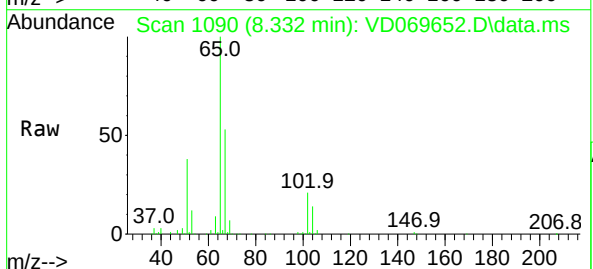
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-I

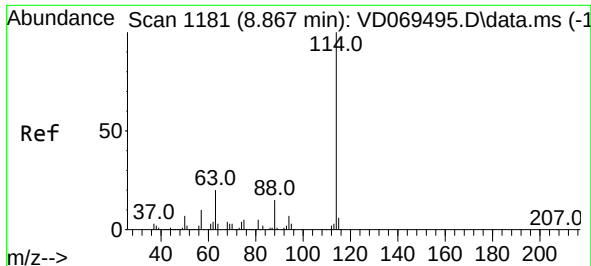
Tgt Ion:168 Resp: 615118  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.3 73.9



#33  
1,2-Dichloroethane-d4  
Concen: 47.584 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. -0.000 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

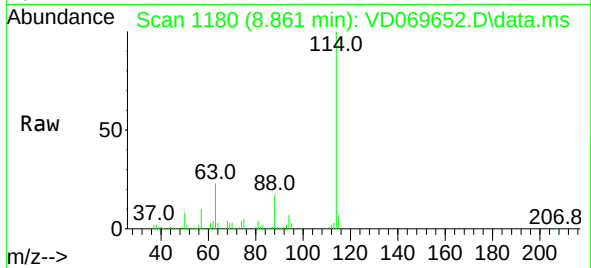
Tgt Ion: 65 Resp: 364842  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.6



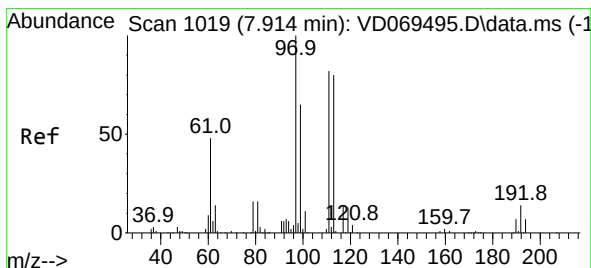
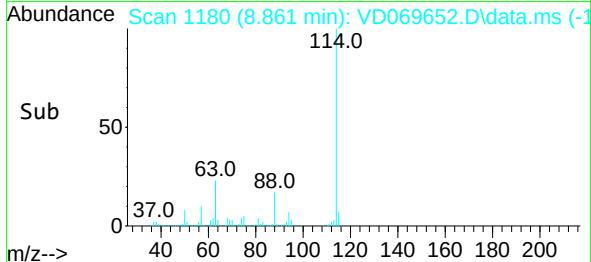
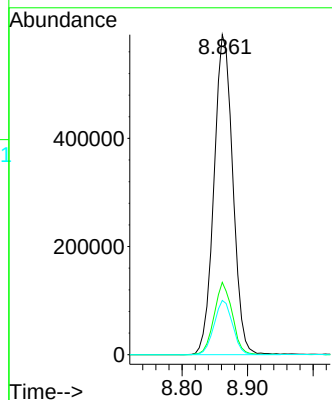


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-I

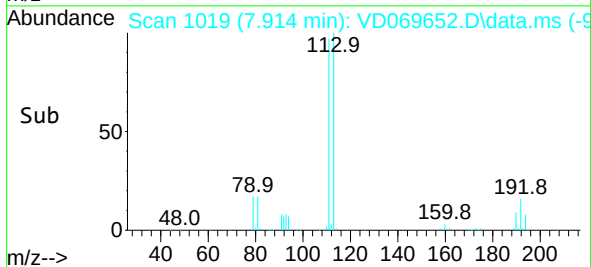
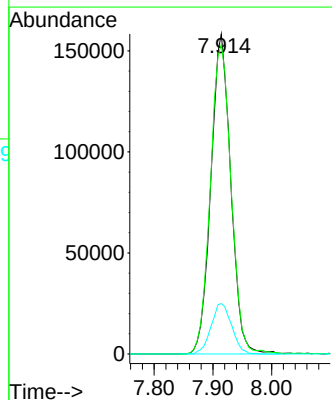
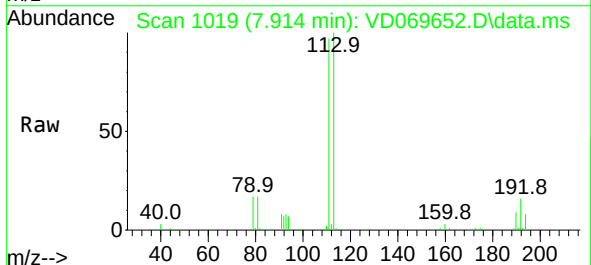


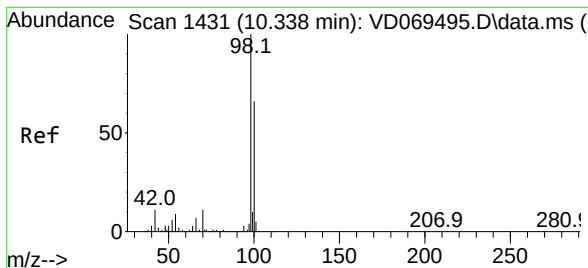
Tgt Ion:114 Resp: 1177900  
Ion Ratio Lower Upper  
114 100  
63 22.6 0.0 39.6  
88 17.0 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 46.691 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

Tgt Ion:113 Resp: 371774  
Ion Ratio Lower Upper  
113 100  
111 101.1 81.8 122.8  
192 16.3 13.8 20.6

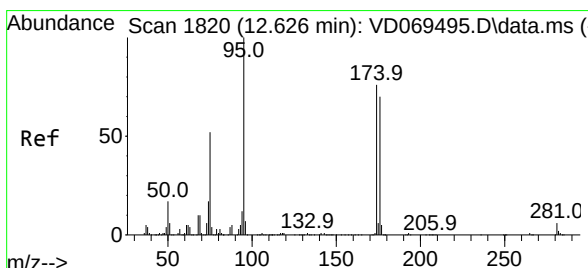
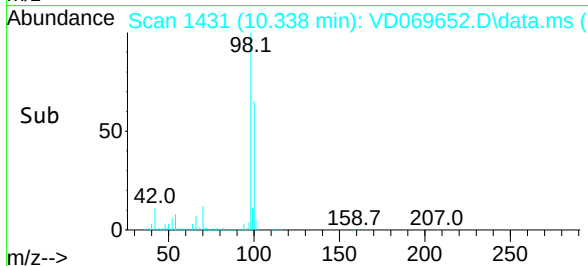
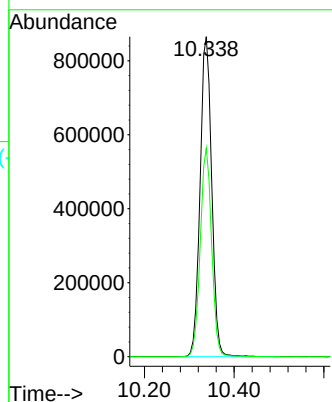
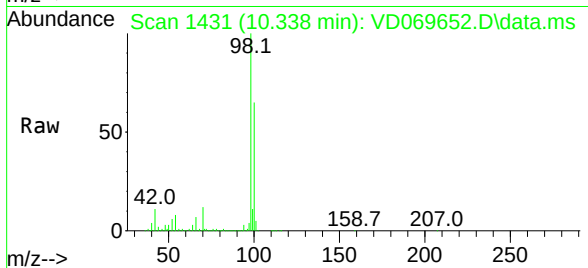




#50  
Toluene-d8  
Concen: 51.915 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

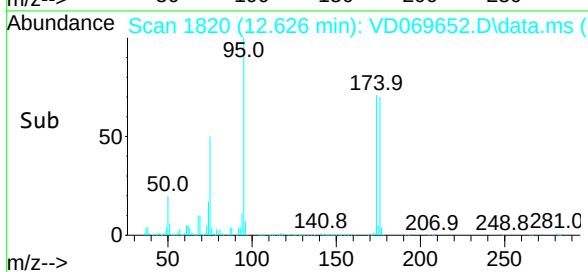
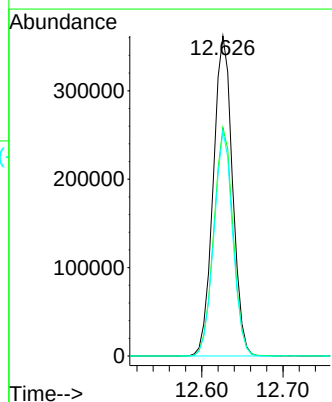
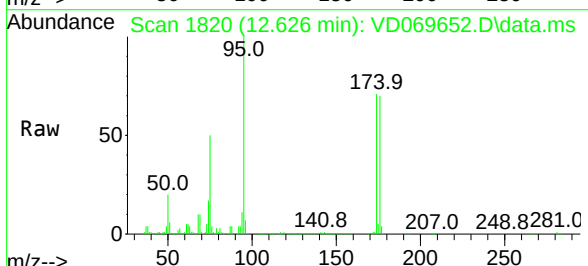
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-I

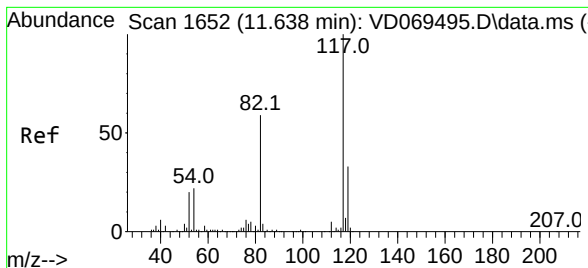
Tgt Ion: 98 Resp: 1550498  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 60.656 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

Tgt Ion: 95 Resp: 595563  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 148.0  
176 68.6 0.0 139.8

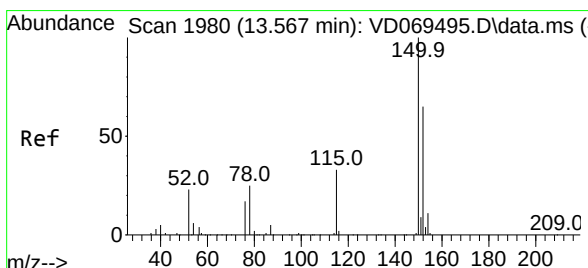
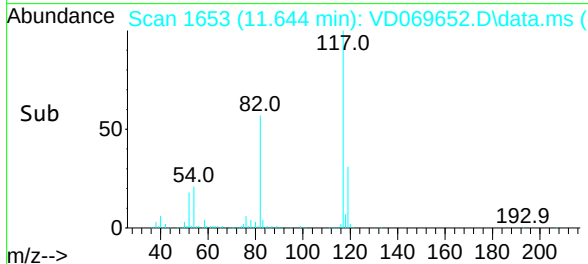
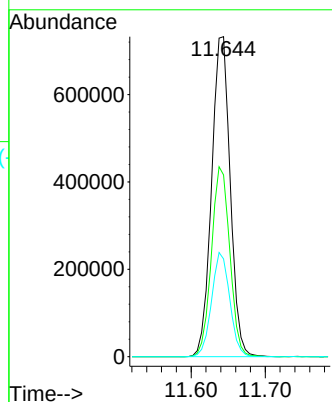
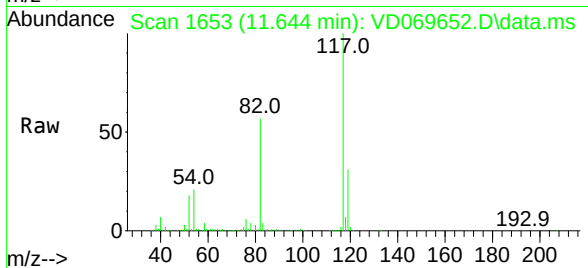




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.006 min  
Lab File: VD069652.D  
Acq: 09 Jul 2021 17:58

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-I

Tgt Ion:117 Resp: 1277299  
Ion Ratio Lower Upper  
117 100  
82 56.8 46.8 70.2  
119 30.5 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: VD069652.D  
Acq: 09 Jul 2021 17:58

Tgt Ion:152 Resp: 590543  
Ion Ratio Lower Upper  
152 100  
115 62.8 31.7 95.1  
150 156.9 0.0 350.8

