

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072121\  
 Data File : VD069785.D  
 Acq On : 21 Jul 2021 12:26  
 Operator : VA/SY  
 Sample : M3096-01  
 Misc : 5.02G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SU-04-071921

Quant Time: Jul 22 03:39:32 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  | 537410   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1009245  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 1146315  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 491669   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 307978   | 45.897   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.800%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 321537   | 47.488   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.980%  |
| 50) Toluene-d8              | 10.338 | 98    | 1320859  | 50.214   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.420% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 533860   | 60.854   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 121.700% |

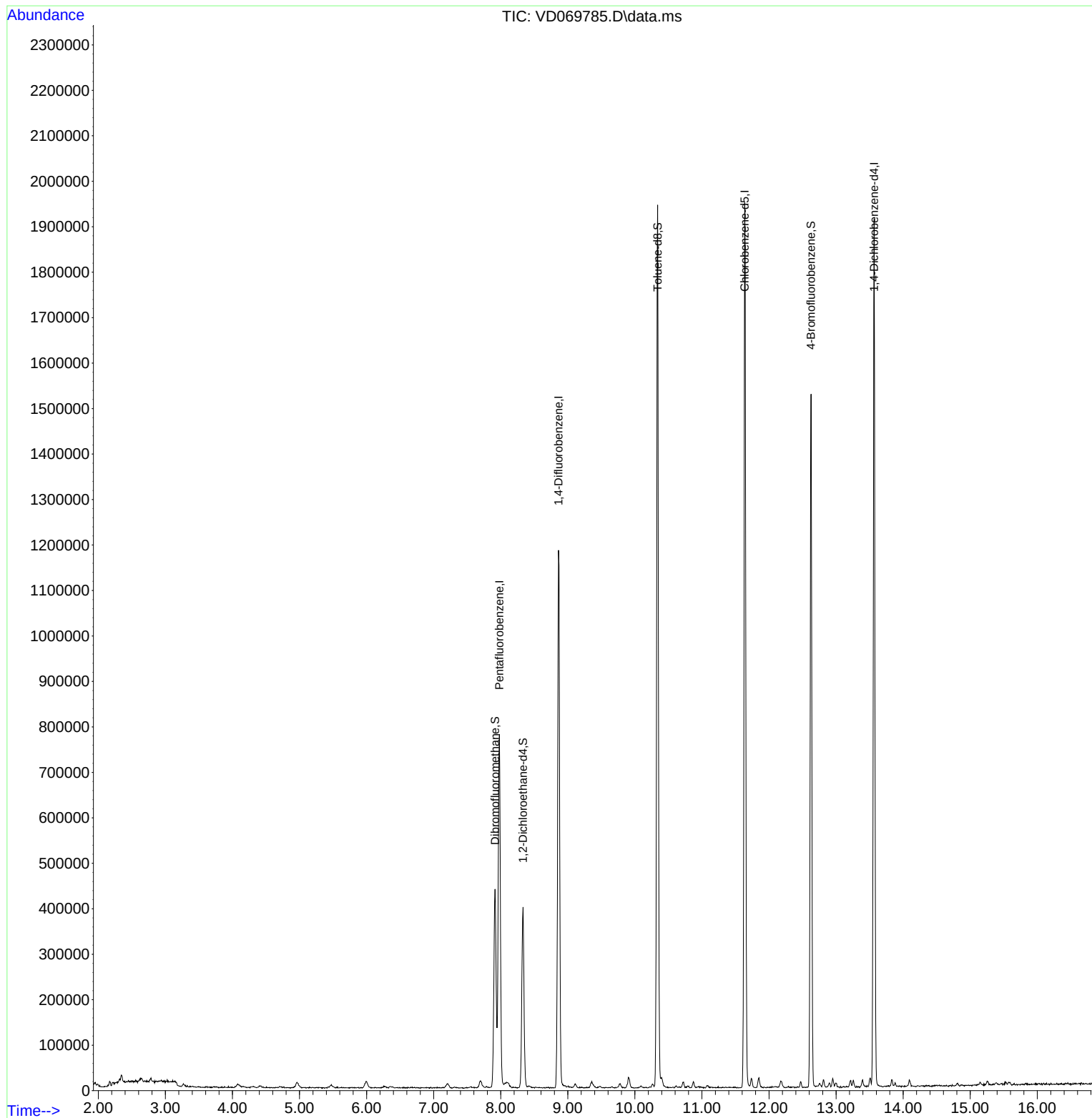
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

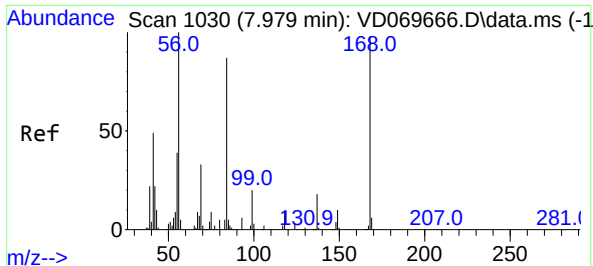
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021  
Response via : Initial Calibration

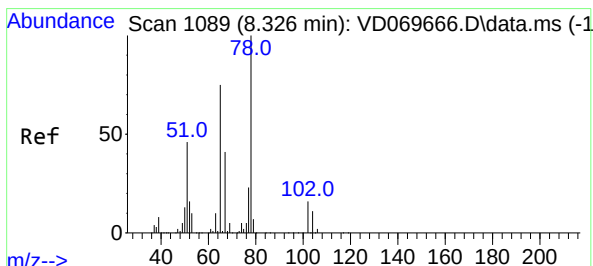
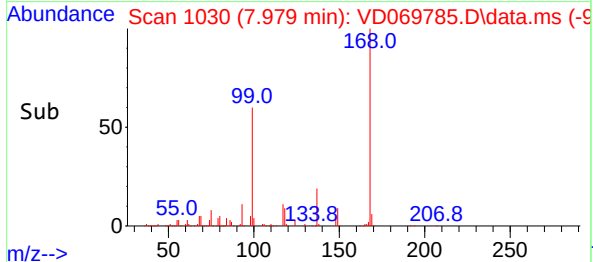
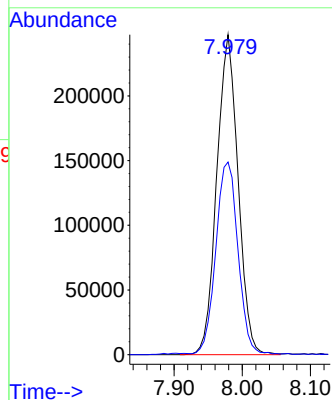
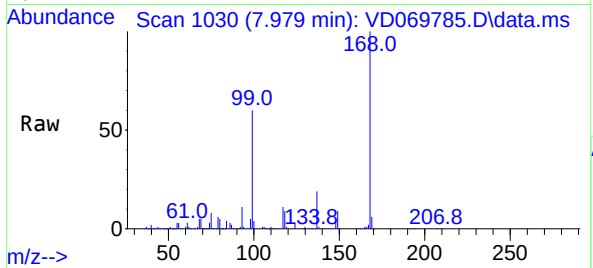




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

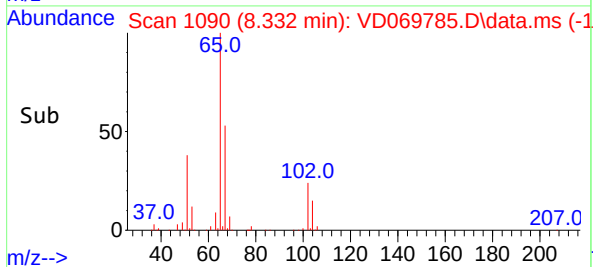
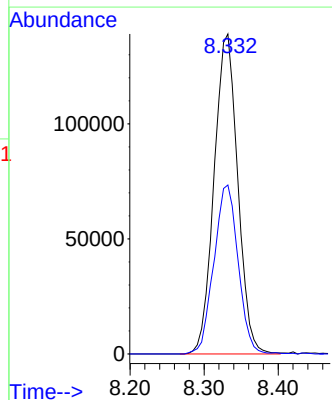
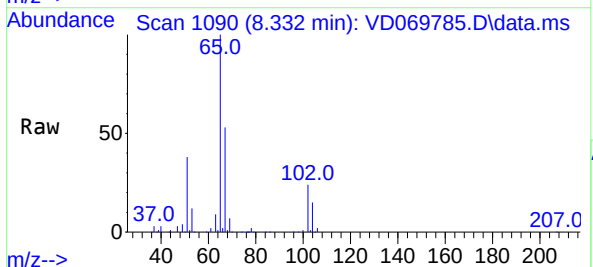
Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-04-071921

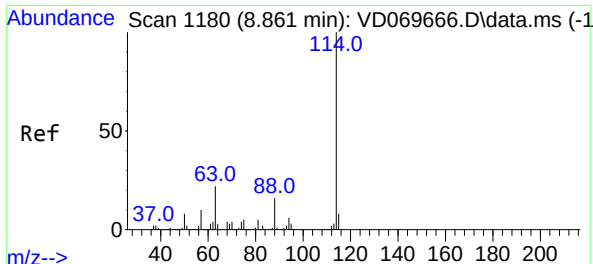
Tgt Ion:168 Resp: 537410  
Ion Ratio Lower Upper  
168 100  
99 60.0 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 45.897 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

Tgt Ion: 65 Resp: 307978  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 107.2





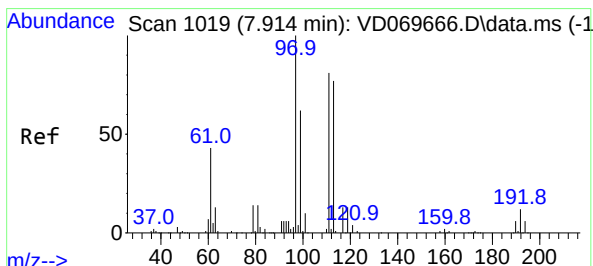
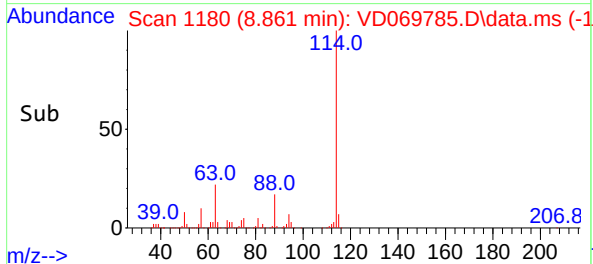
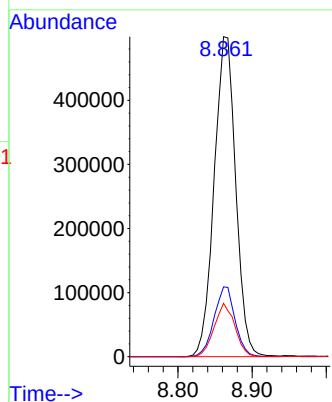
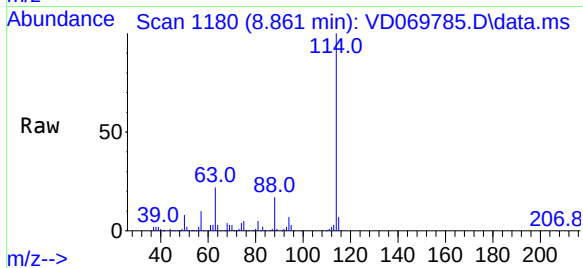
#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-04-071921

Tgt Ion:114 Resp: 1009245

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.8  | 0.0   | 43.4  |
| 88  | 16.7  | 0.0   | 32.0  |

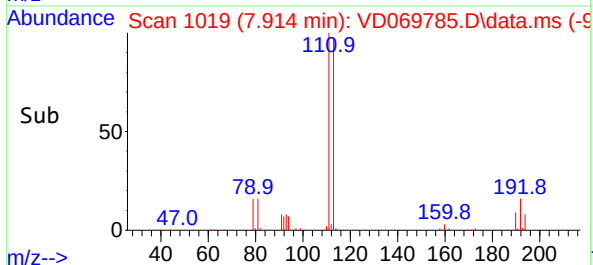
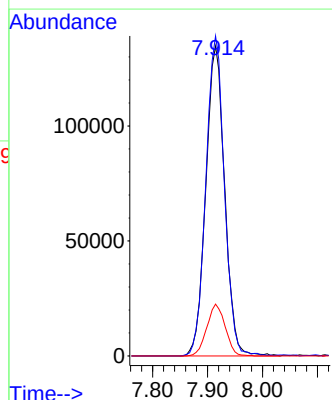
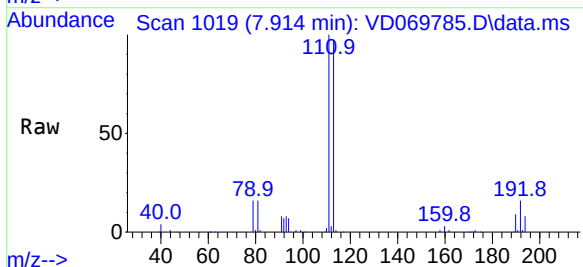


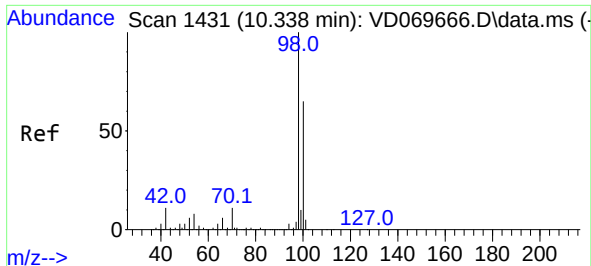
#35

Dibromofluoromethane  
Concen: 47.488 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

Tgt Ion:113 Resp: 321537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.3 | 82.6  | 123.8 |
| 192 | 16.3  | 12.7  | 19.1  |

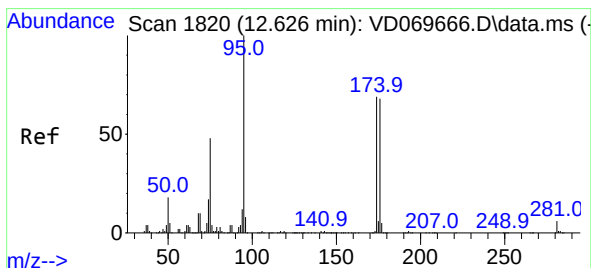
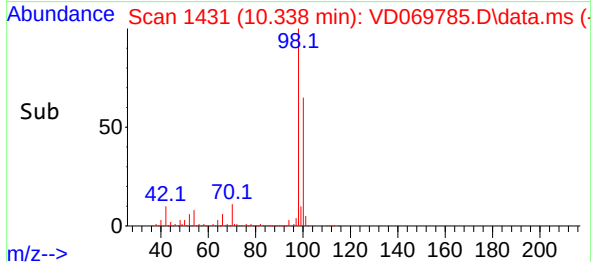
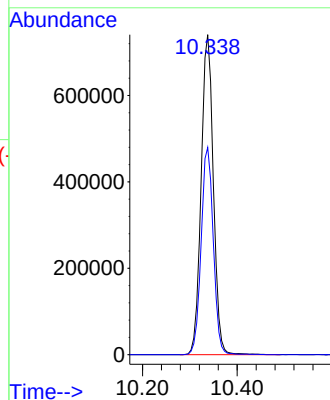
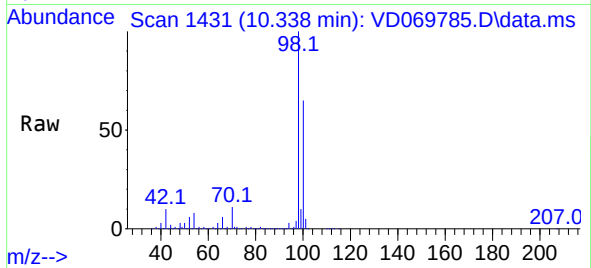




#50  
Toluene-d8  
Concen: 50.214 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

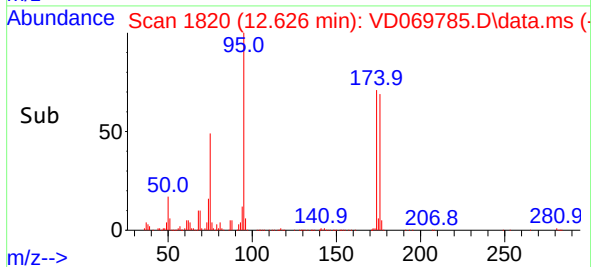
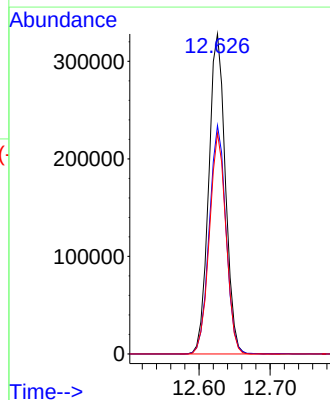
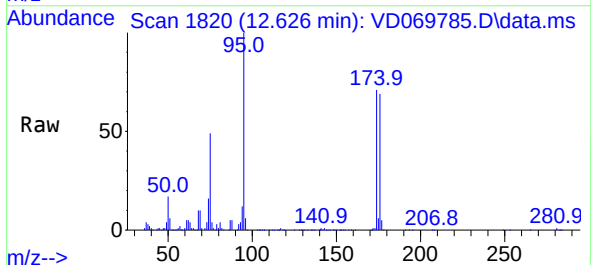
Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-04-071921

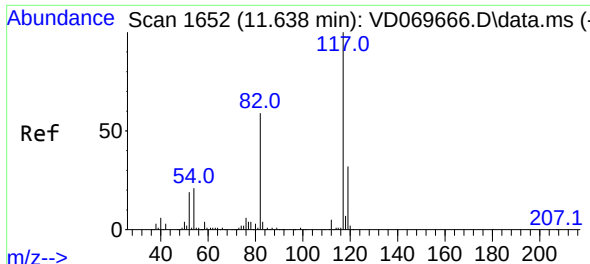
Tgt Ion: 98 Resp: 1320859  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 60.854 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

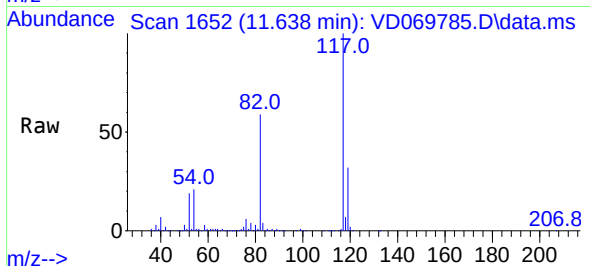
Tgt Ion: 95 Resp: 533860  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 140.0  
176 68.5 0.0 136.2



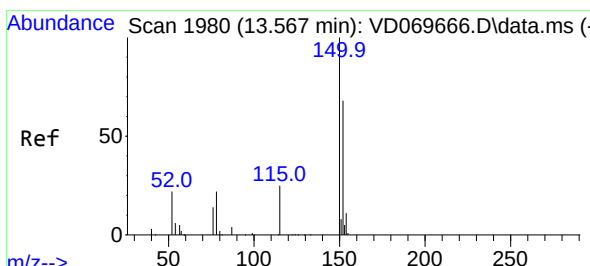
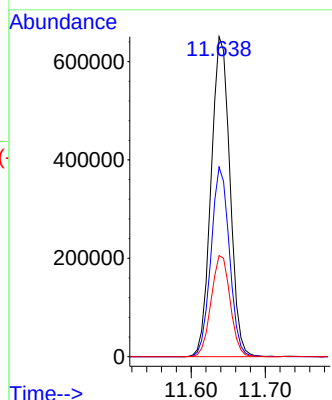
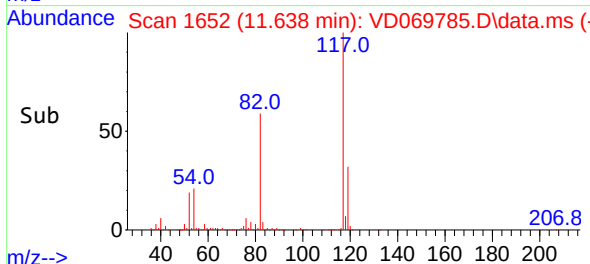


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD069785.D  
Acq: 21 Jul 2021 12:26

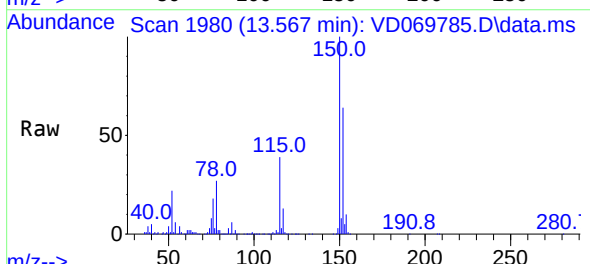
Instrument :  
MSVOA\_D  
ClientSampleId :  
SU-04-071921



Tgt Ion:117 Resp: 1146315  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.4 71.2  
119 31.6 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: VD069785.D  
Acq: 21 Jul 2021 12:26



Tgt Ion:152 Resp: 491669  
Ion Ratio Lower Upper  
152 100  
115 62.8 31.7 95.1  
150 157.1 0.0 350.4

