

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052021\  
 Data File : VD069224.D  
 Acq On : 20 May 2021 17:49  
 Operator : VA/SY  
 Sample : M2469-02RE  
 Misc : 6.32G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-2(8.0-8.5)RE

Quant Time: May 21 00:55:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 179324   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.867  | 114   | 357193   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.644 | 117   | 373963   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.573 | 152   | 162935   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 128388   | 71.42    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 142.84%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 133857   | 57.59    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 115.18%  |
| 50) Toluene-d8              | 10.338 | 98    | 463497   | 54.27    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 108.54%  |
| 62) 4-Bromofluorobenzene    | 12.632 | 95    | 165752   | 60.31    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 120.62%  |

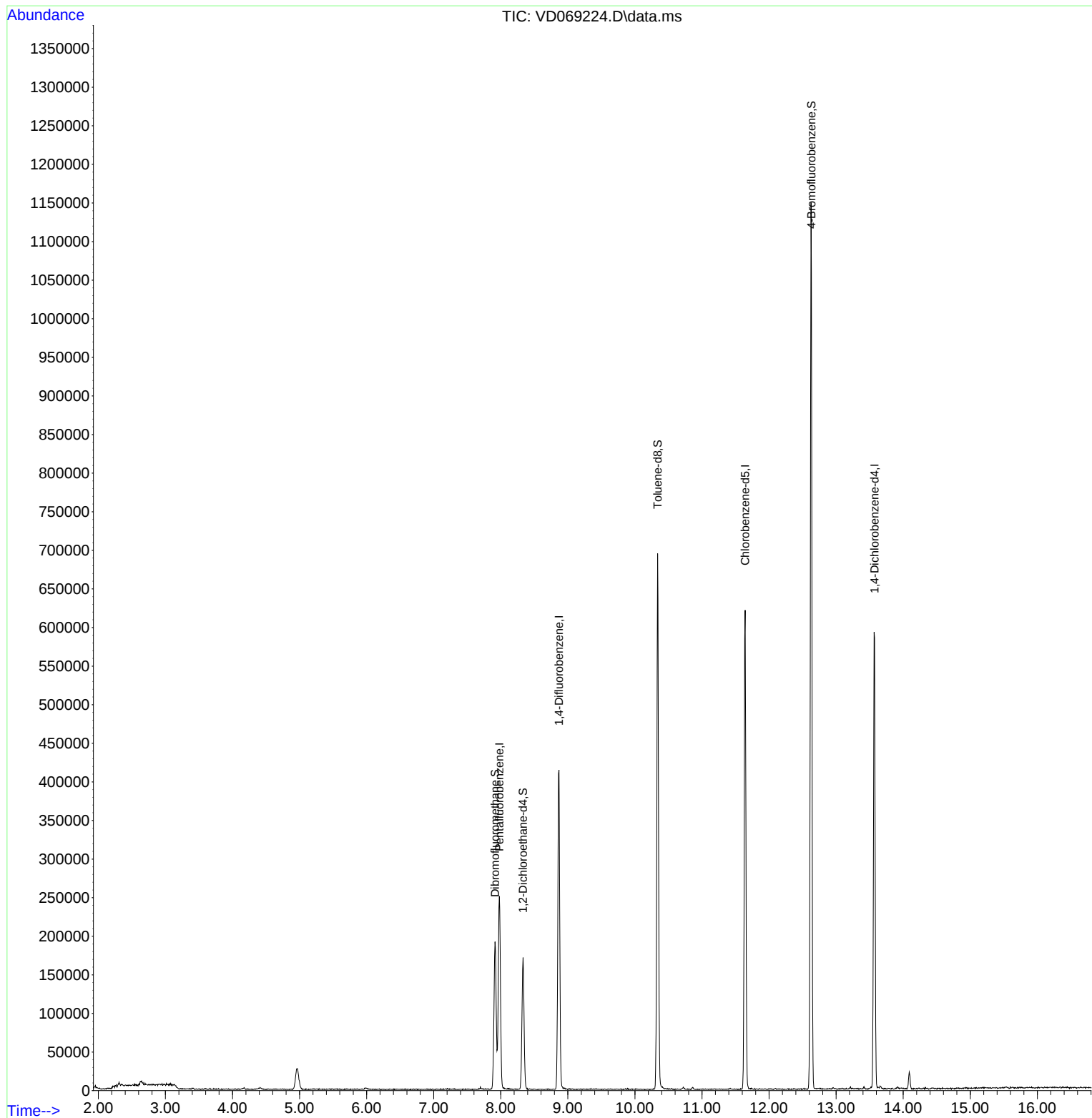
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

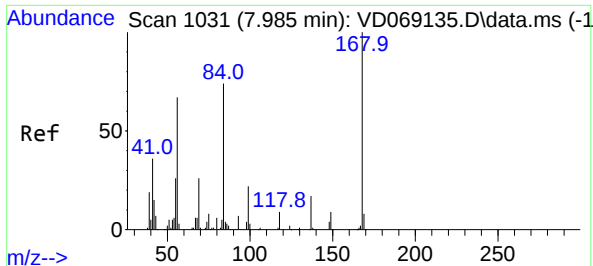
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 13 04:01:29 2021  
Response via : Initial Calibration

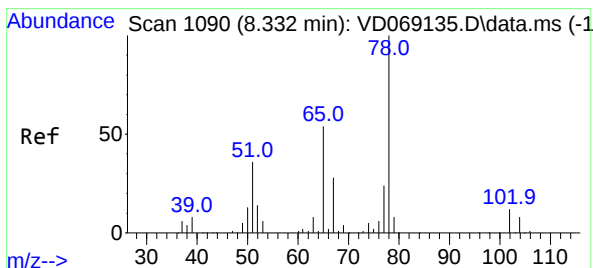
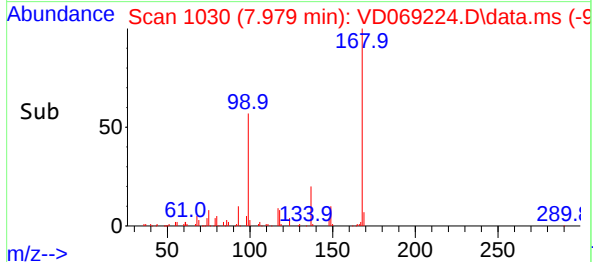
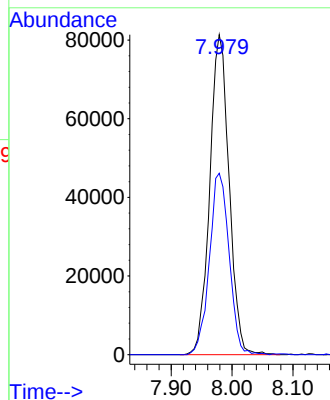
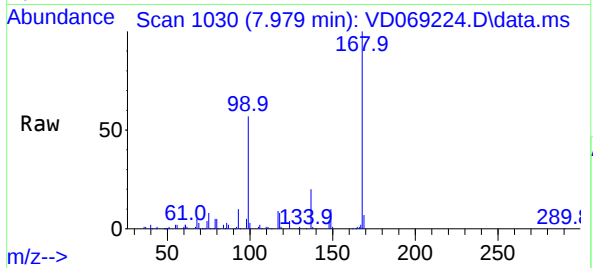




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

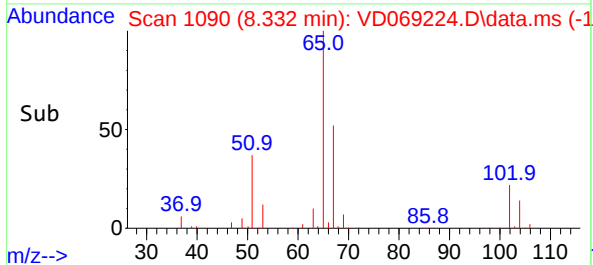
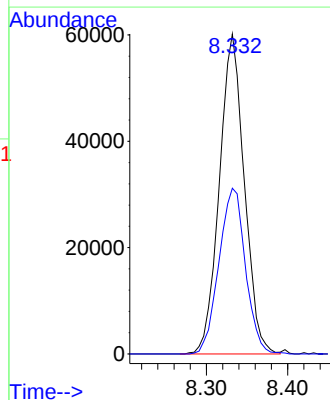
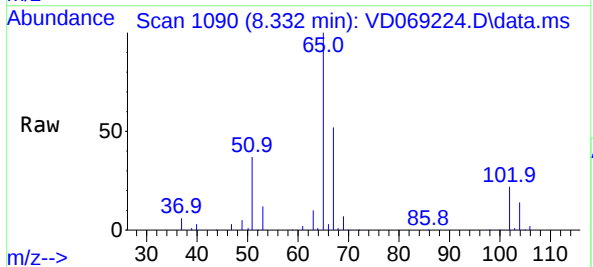
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-2(8.0-8.5)RE

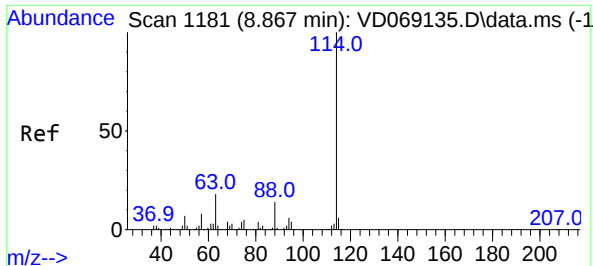
Tgt Ion:168 Resp: 179324  
Ion Ratio Lower Upper  
168 100  
99 56.7 47.2 70.8



#33  
1,2-Dichloroethane-d4  
Concen: 71.42 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

Tgt Ion: 65 Resp: 128388  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 108.0





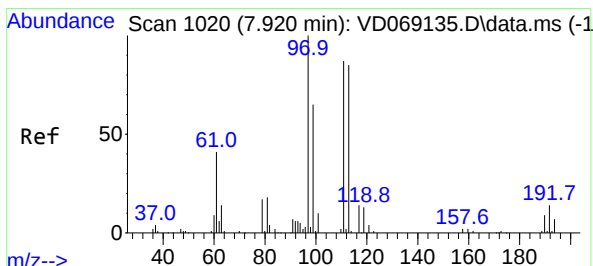
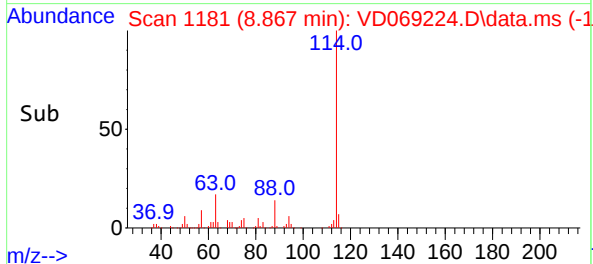
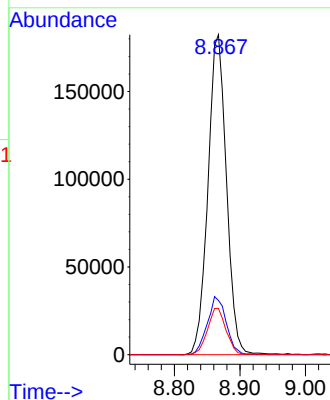
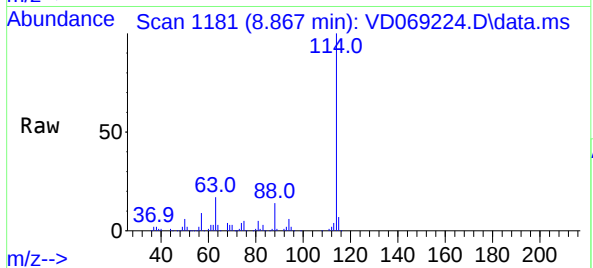
#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.867 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-2(8.0-8.5)RE

Tgt Ion:114 Resp: 357193

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 17.0  | 0.0   | 36.4  |
| 88  | 14.4  | 0.0   | 28.2  |

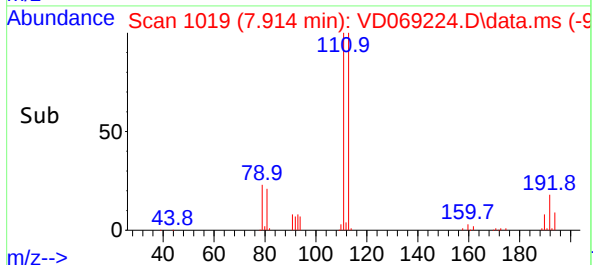
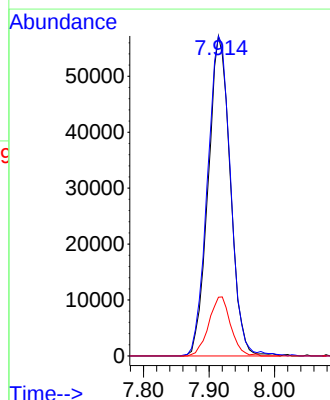
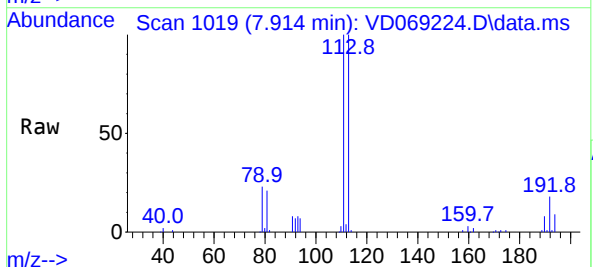


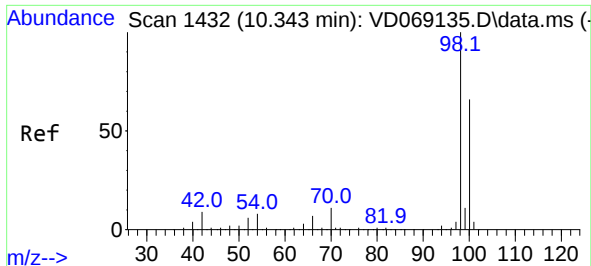
#35

Dibromofluoromethane  
Concen: 57.59 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

Tgt Ion:113 Resp: 133857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.0 | 80.6  | 120.8 |
| 192 | 18.3  | 14.8  | 22.2  |

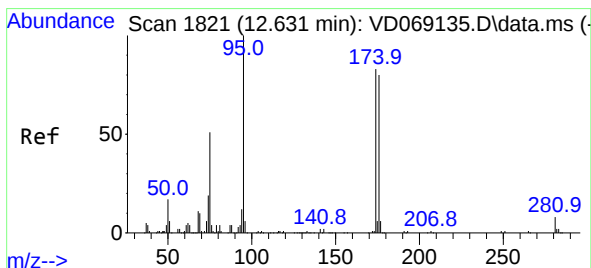
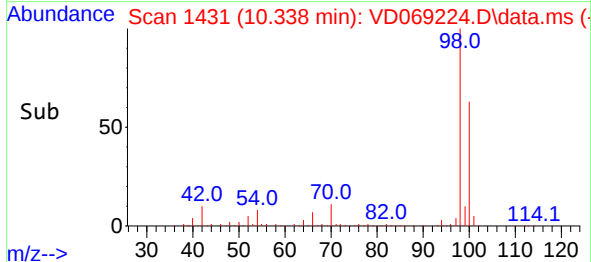
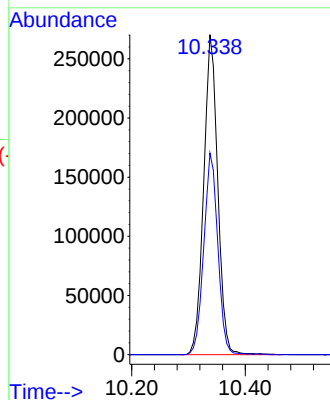
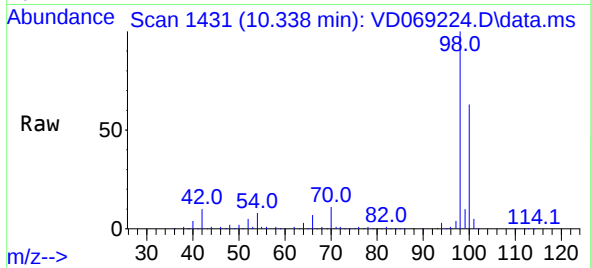




#50  
Toluene-d8  
Concen: 54.27 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

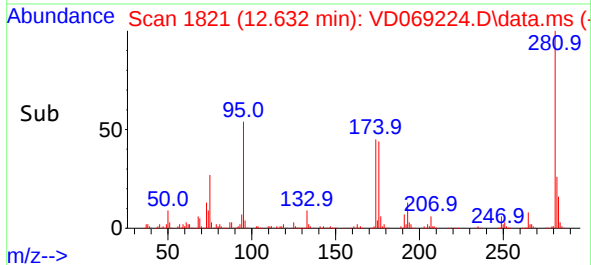
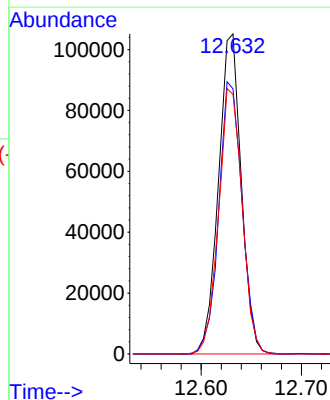
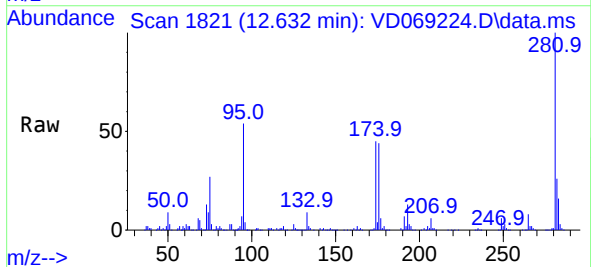
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-2(8.0-8.5)RE

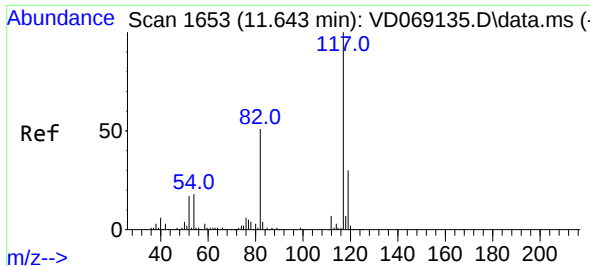
Tgt Ion: 98 Resp: 463497  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 60.31 ug/l  
RT: 12.632 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

Tgt Ion: 95 Resp: 165752  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 171.8  
176 85.5 0.0 165.4

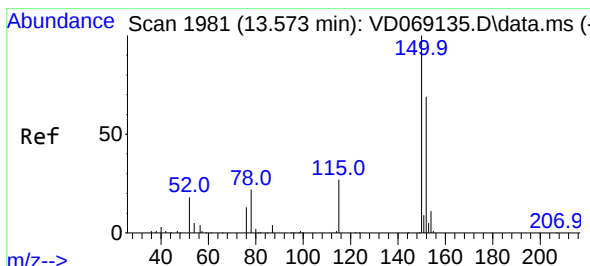
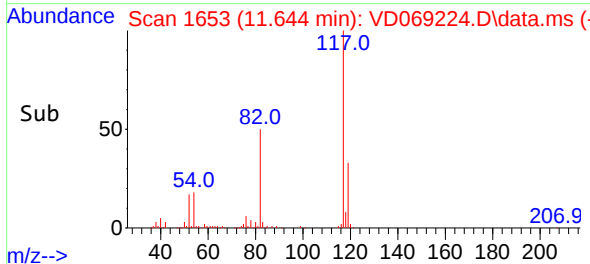
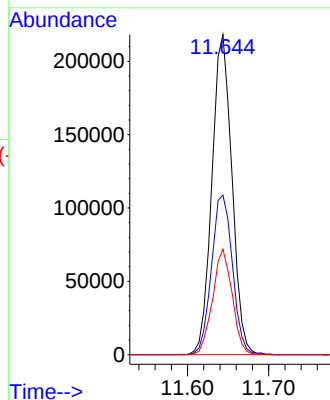
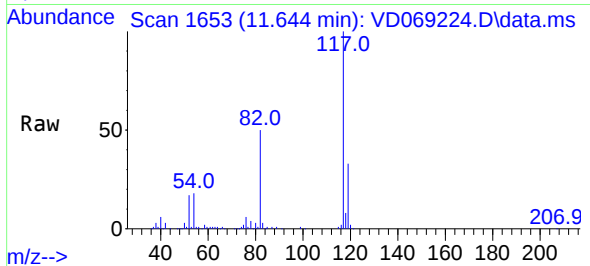




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.644 min Scan# 1653  
Delta R.T. 0.000 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-2(8.0-8.5)RE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 373963 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 49.9  | 40.5  | 60.7   |
| 119      | 33.0  | 24.2  | 36.4   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.573 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: VD069224.D  
Acq: 20 May 2021 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 162935 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.8  | 29.9  | 89.8   |
| 150      | 157.6 | 0.0   | 350.2  |

