

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120721\  
 Data File : VD071179.D  
 Acq On : 07 Dec 2021 13:17  
 Operator : VA/SY  
 Sample : M4944-02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ETGI-362

Quant Time: Dec 08 02:48:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.973  | 168  | 12380    | 50.000 | ug/l  | #-0.01   |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 20491    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.644 | 117  | 22751    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 11326    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 9949     | 68.489   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 136.980% |
| 35) Dibromofluoromethane    | 7.914  | 113   | 6624     | 50.765   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.520% |
| 50) Toluene-d8              | 10.332 | 98    | 27173    | 54.722   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.440% |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 11025    | 64.052   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 128.100% |

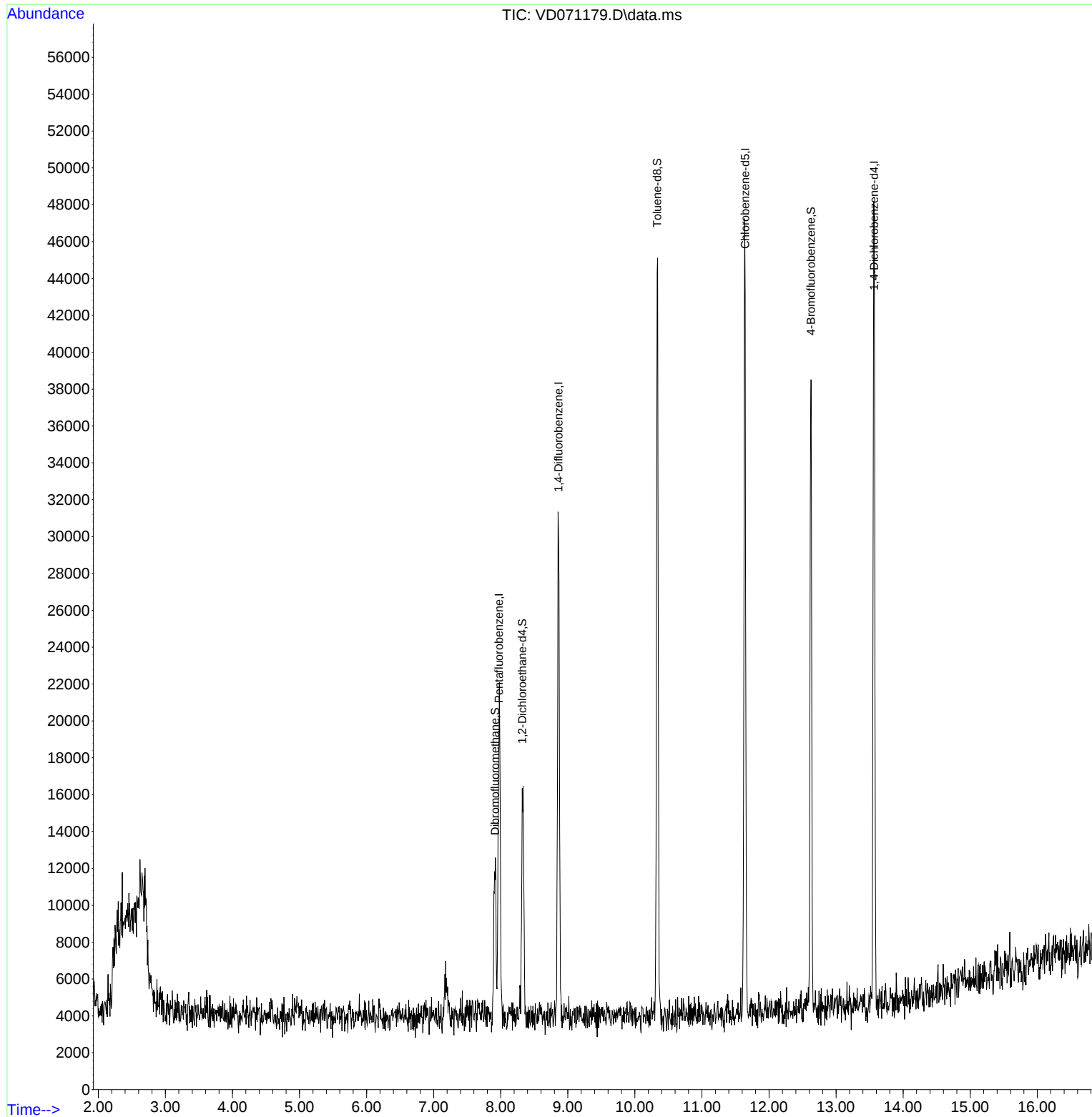
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

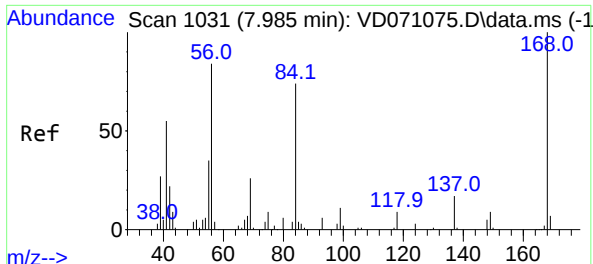
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

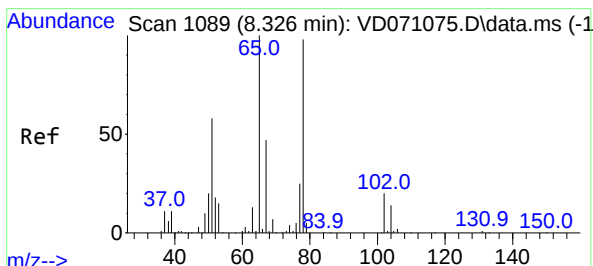
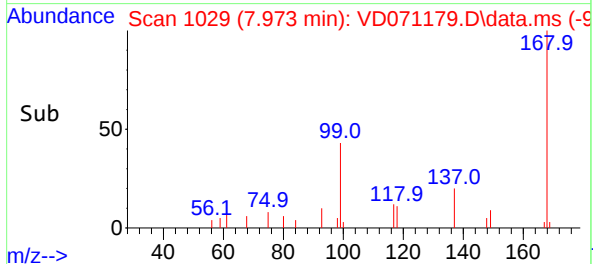
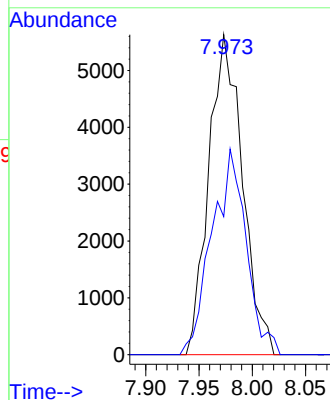
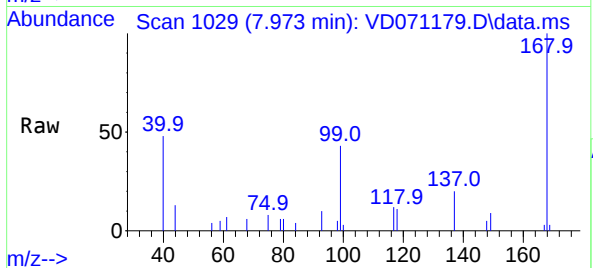




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

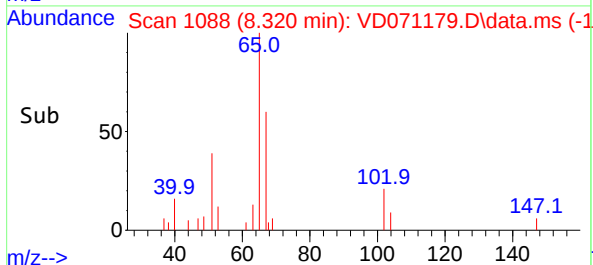
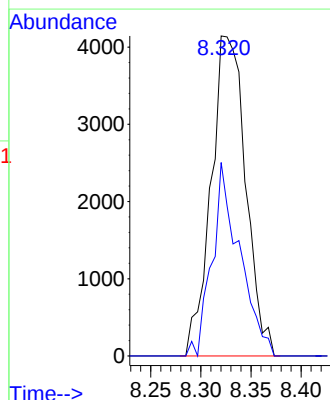
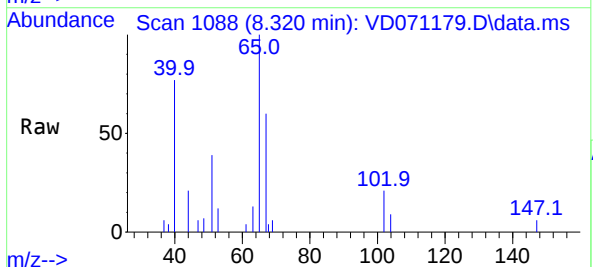
Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-362

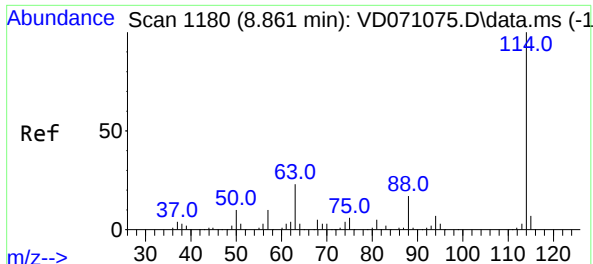
Tgt Ion:168 Resp: 12380  
Ion Ratio Lower Upper  
168 100  
99 43.2 46.6 69.8#



#33  
1,2-Dichloroethane-d4  
Concen: 68.489 ug/l  
RT: 8.320 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Tgt Ion: 65 Resp: 9949  
Ion Ratio Lower Upper  
65 100  
67 48.1 0.0 112.2



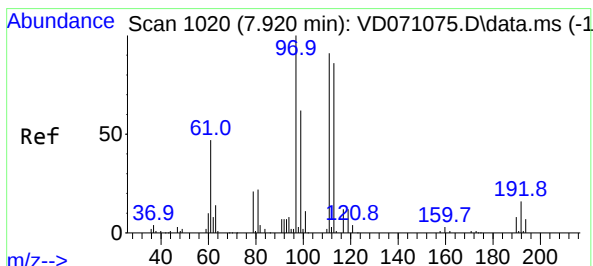
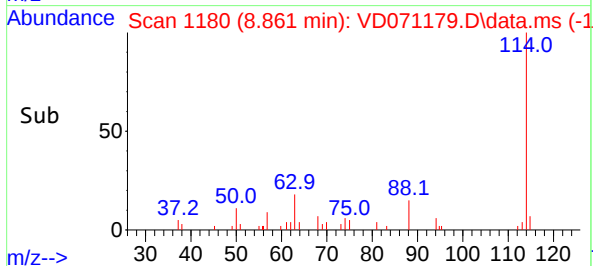
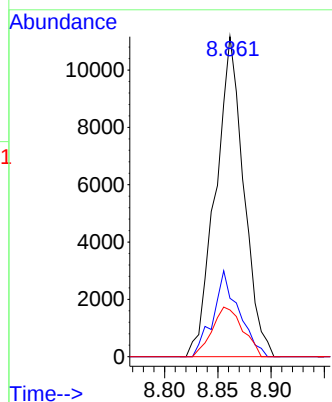
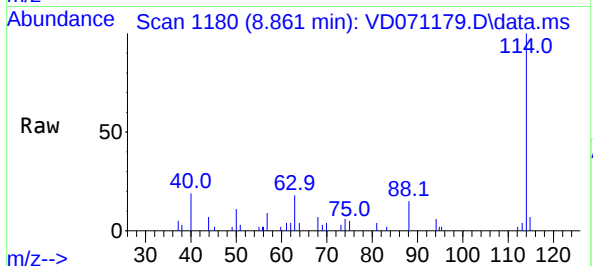


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-362

Tgt Ion:114 Resp: 20491

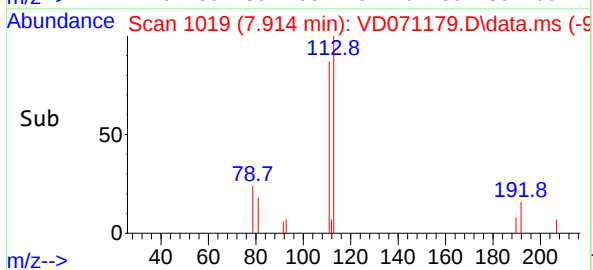
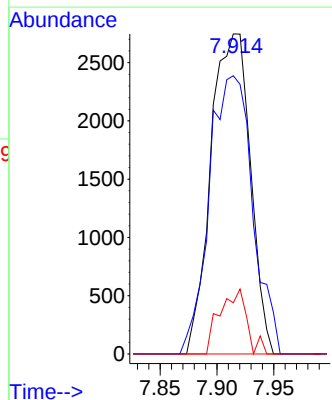
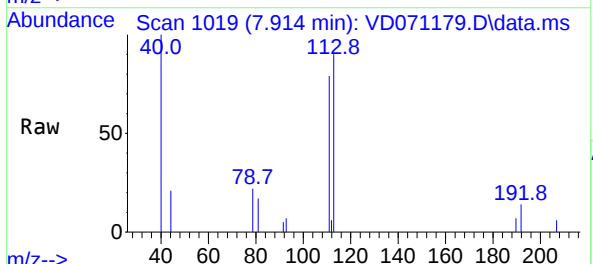
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.2  | 0.0   | 41.8  |
| 88  | 14.6  | 0.0   | 32.8  |

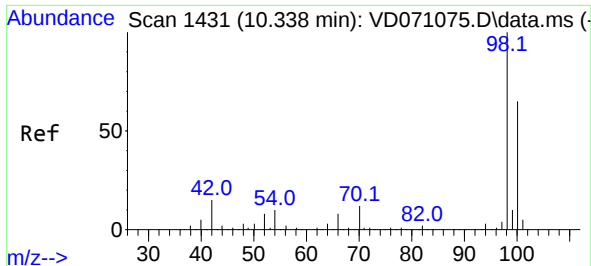


#35  
Dibromofluoromethane  
Concen: 50.765 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Tgt Ion:113 Resp: 6624

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 95.2  | 82.0  | 123.0 |
| 192 | 13.9  | 15.2  | 22.8# |

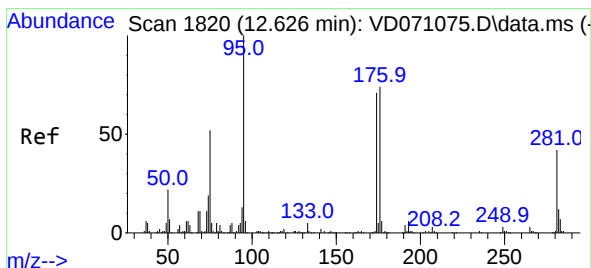
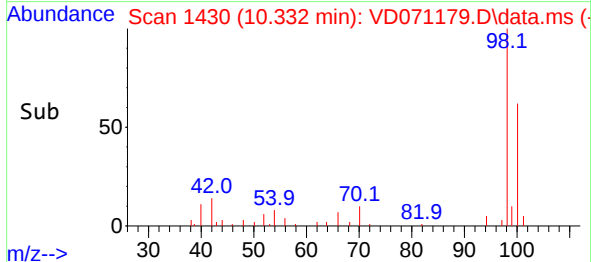
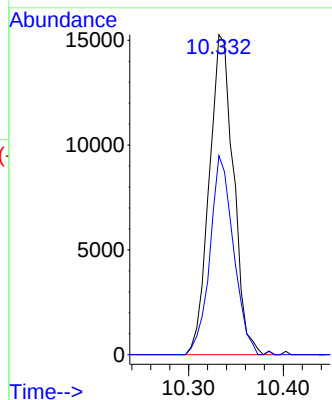
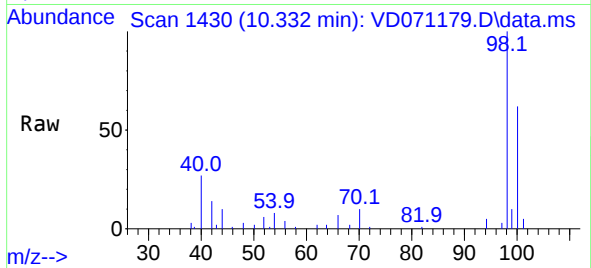




#50  
Toluene-d8  
Concen: 54.722 ug/l  
RT: 10.332 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

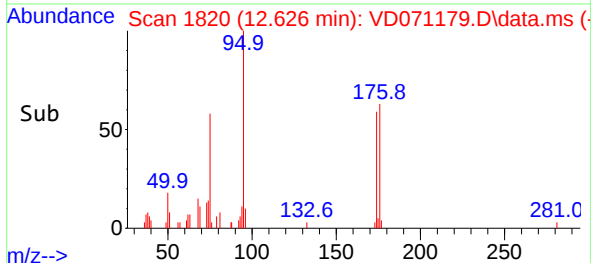
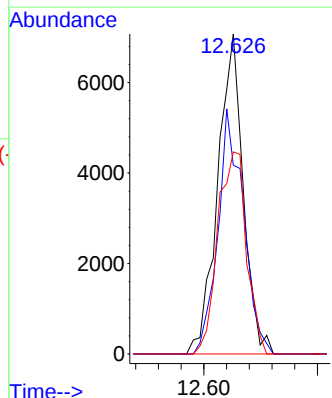
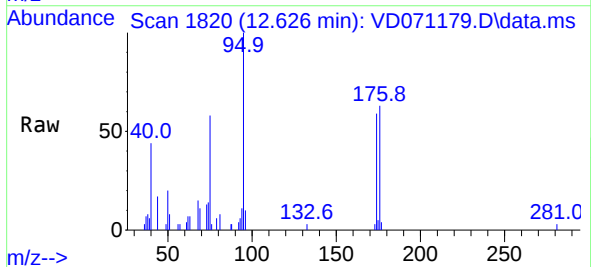
Instrument :  
MSVOA\_D  
ClientSampleId :  
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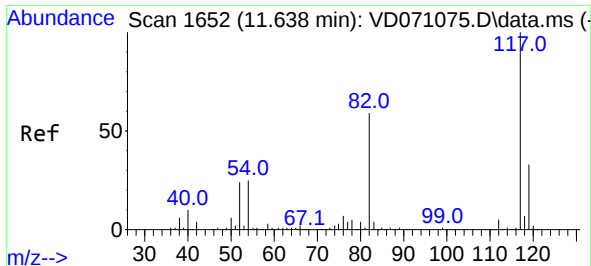
Tgt Ion: 98 Resp: 27173  
Ion Ratio Lower Upper  
98 100  
100 60.2 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 64.052 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Tgt Ion: 95 Resp: 11025  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 159.4  
176 70.9 0.0 154.0

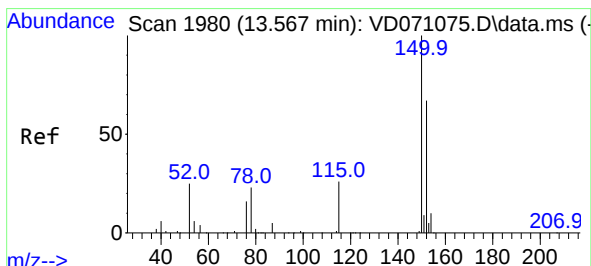
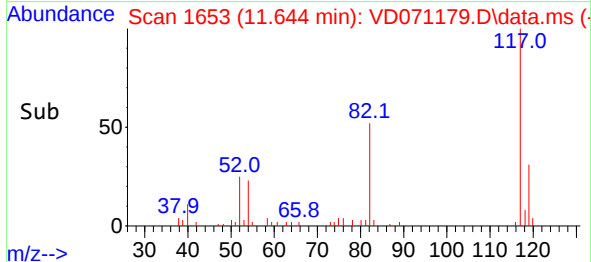
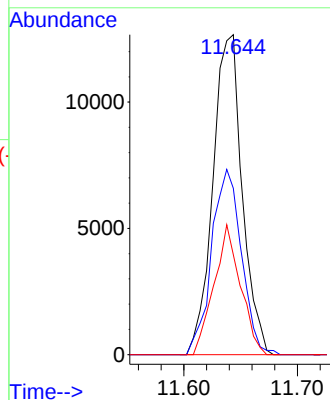
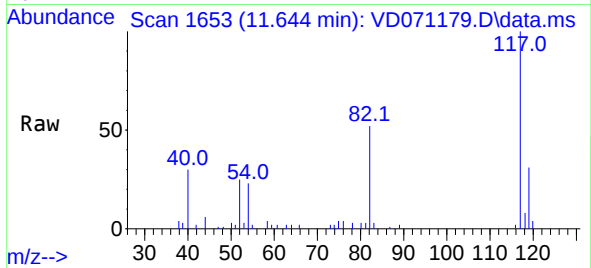




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.644 min Scan# 1170  
Delta R.T. 0.006 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
ETGI-362

Tgt Ion:117 Resp: 22751  
Ion Ratio Lower Upper  
117 100  
82 52.0 44.7 67.1  
119 31.2 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD071179.D  
Acq: 07 Dec 2021 13:17

Tgt Ion:152 Resp: 11326  
Ion Ratio Lower Upper  
152 100  
115 58.9 29.8 89.3  
150 155.6 0.0 349.2

