

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121421\  
 Data File : VD071326.D  
 Acq On : 14 Dec 2021 17:49  
 Operator : VA/SY  
 Sample : M5073-01  
 Misc : 5.05G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-121321

Quant Time: Dec 15 08:32:18 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  | 24905    | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 42168    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 53390    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 25851    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 21235    | 72.665   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 145.340%  |
| 35) Dibromofluoromethane    | 7.914  | 113   | 13735    | 51.150   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.300%  |
| 50) Toluene-d8              | 10.338 | 98    | 54136    | 52.978   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.960%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 26287    | 74.212   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 148.420%# |

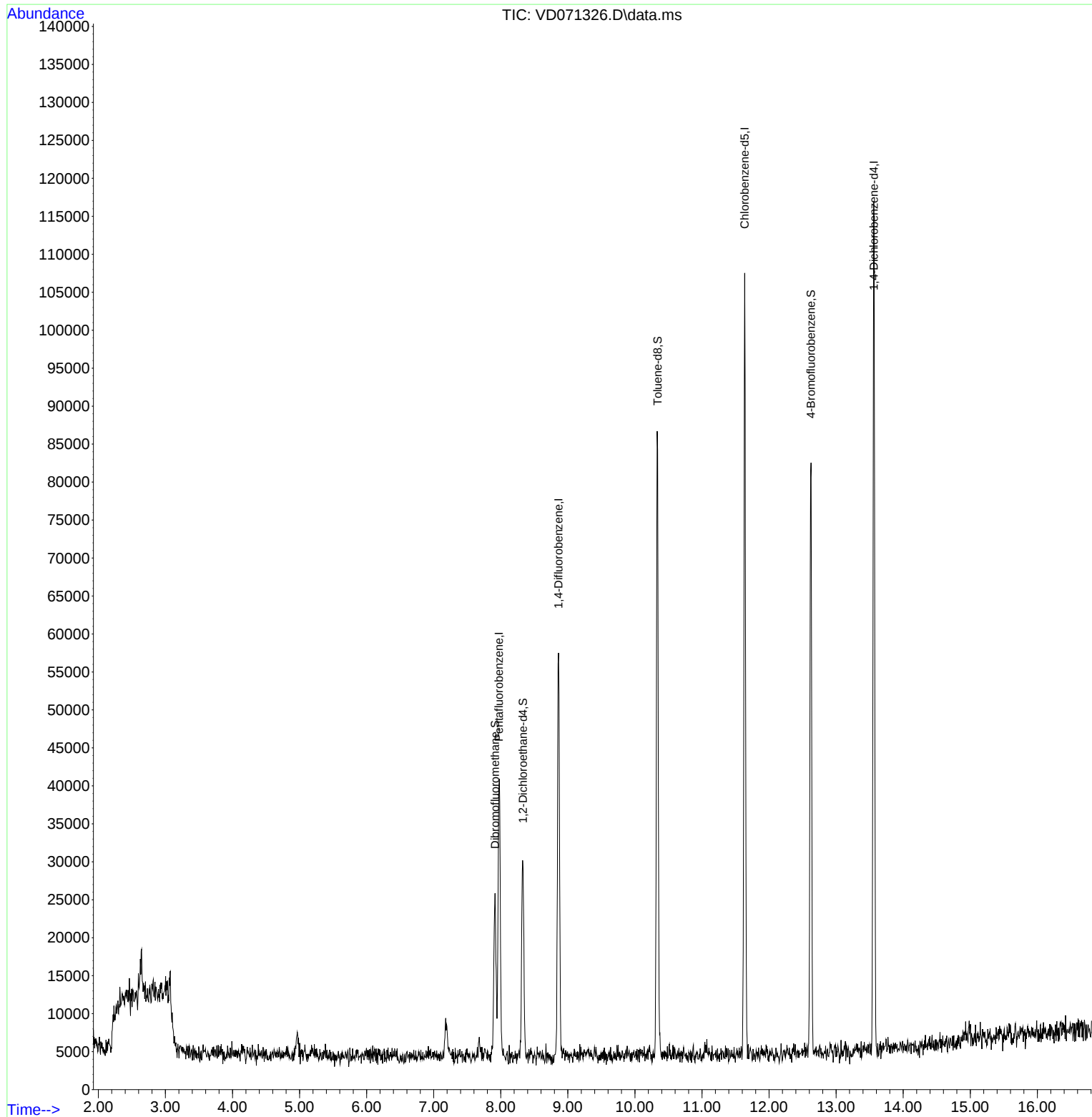
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

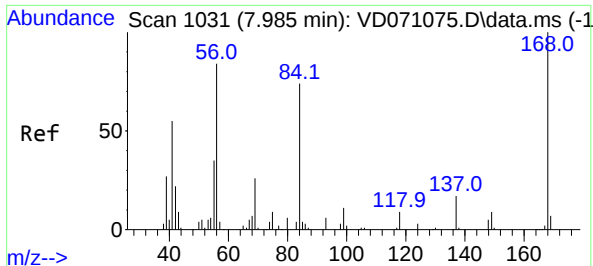
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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EO-02-121321

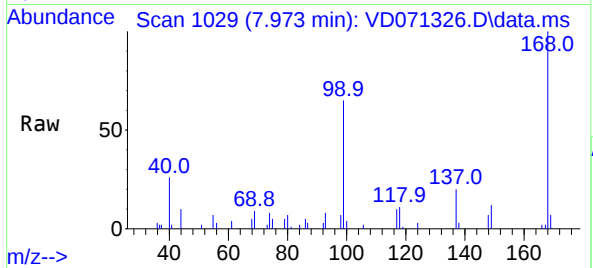
Quant Time: Dec 15 08:32:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration



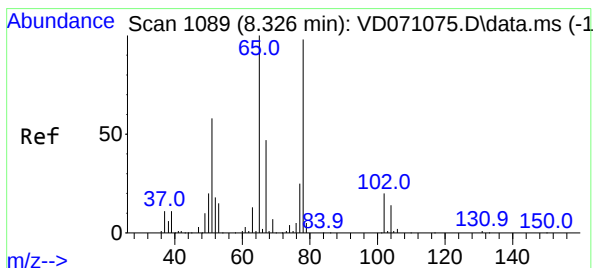
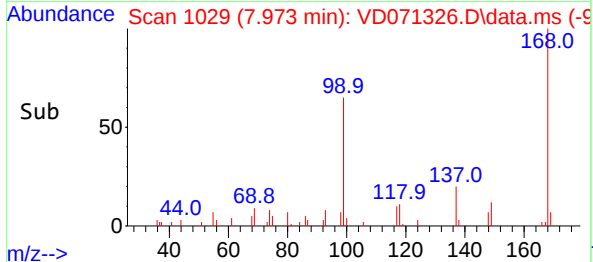
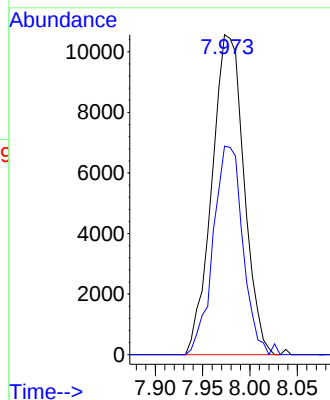


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-121321

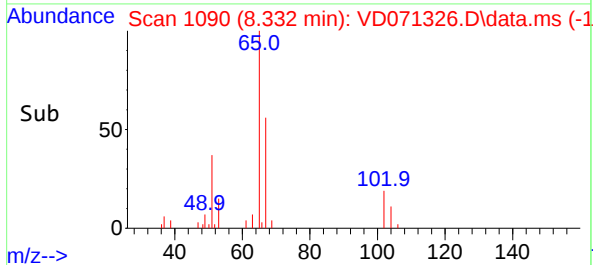
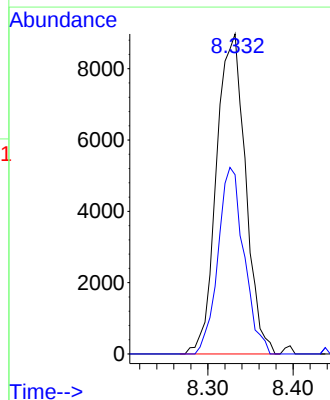
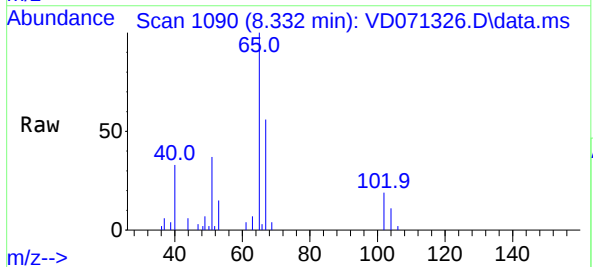


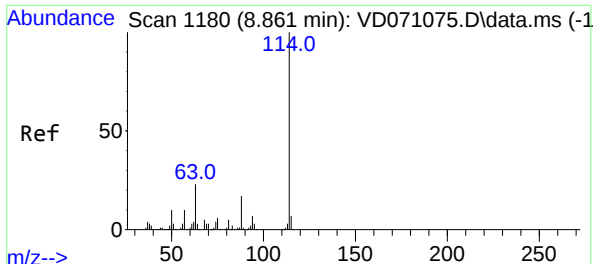
Tgt Ion:168 Resp: 24905  
Ion Ratio Lower Upper  
168 100  
99 65.1 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 72.665 ug/l  
RT: 8.332 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

Tgt Ion: 65 Resp: 21235  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 112.2

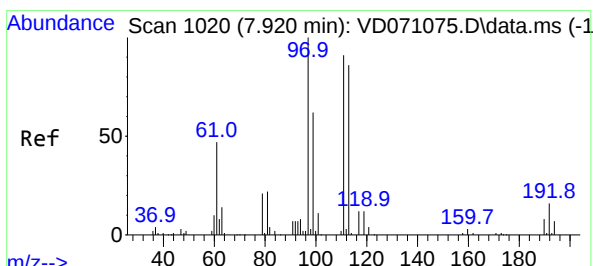
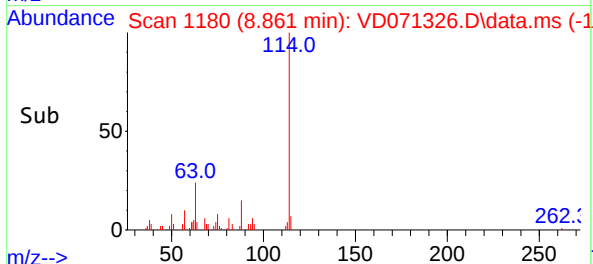
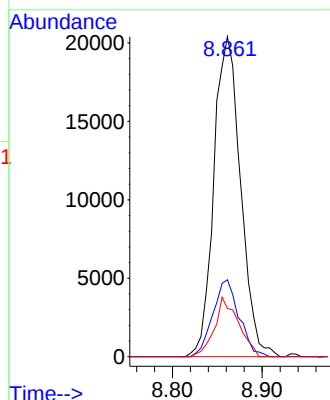
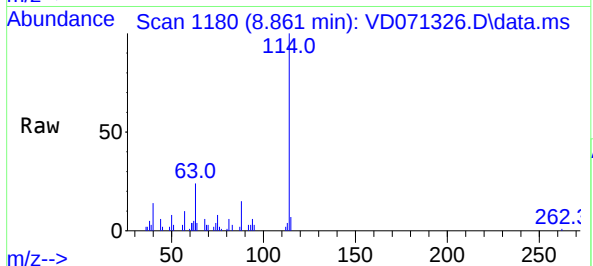




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

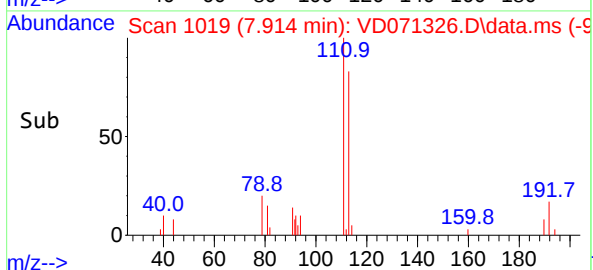
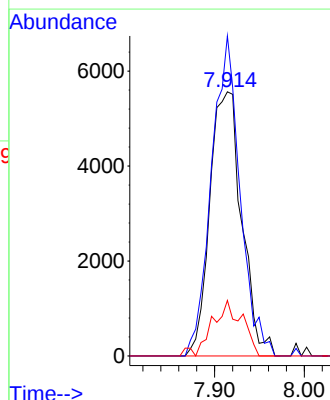
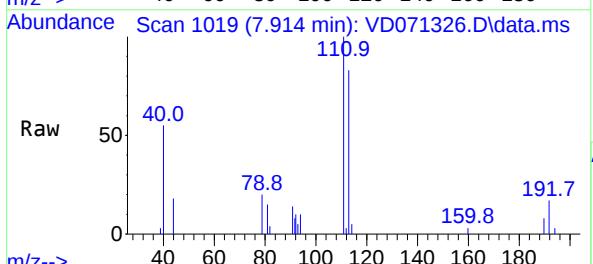
Instrument :  
MSVOA\_D  
ClientSampleId :  
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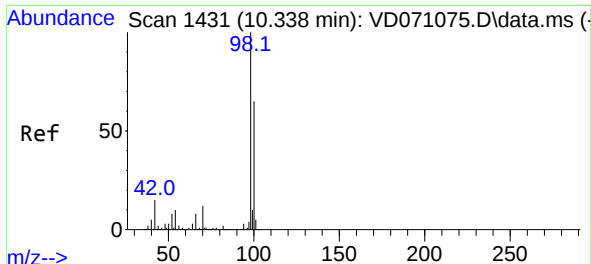
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 42168 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 24.0  | 0.0   | 41.8  |
| 88        | 15.1  | 0.0   | 32.8  |



#35  
Dibromofluoromethane  
Concen: 51.150 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 13735 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 108.5 | 82.0  | 123.0 |
| 192       | 19.8  | 15.2  | 22.8  |

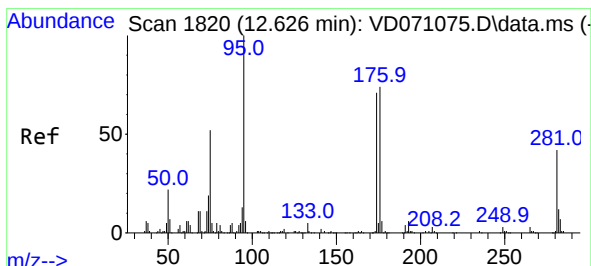
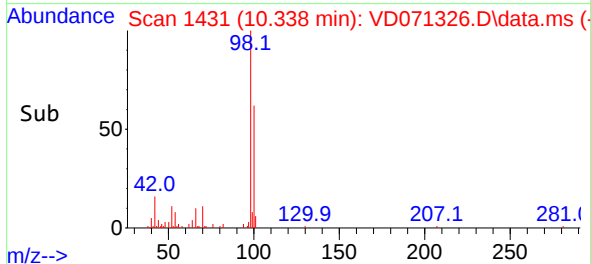
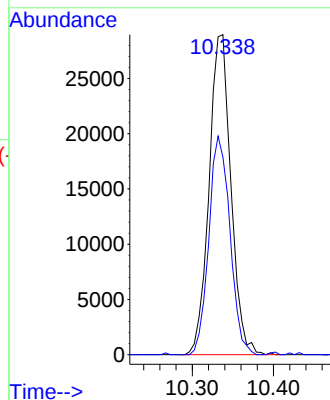
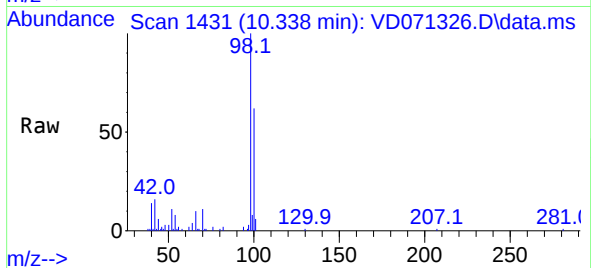




#50  
Toluene-d8  
Concen: 52.978 ug/l  
RT: 10.338 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

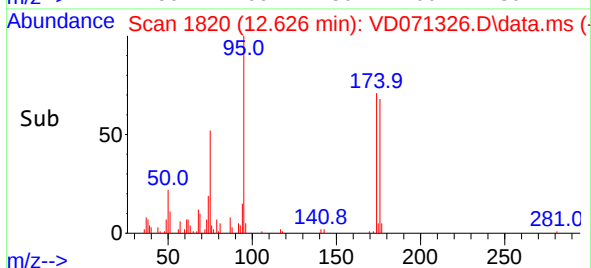
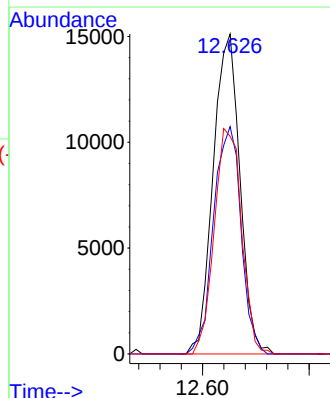
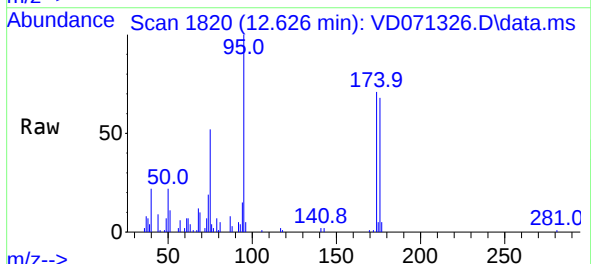
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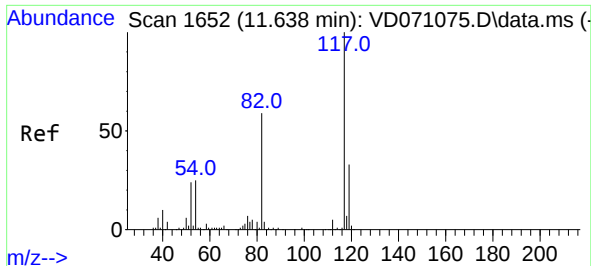
Tgt Ion: 98 Resp: 54136  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 74.212 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

Tgt Ion: 95 Resp: 26287  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 159.4  
176 72.0 0.0 154.0

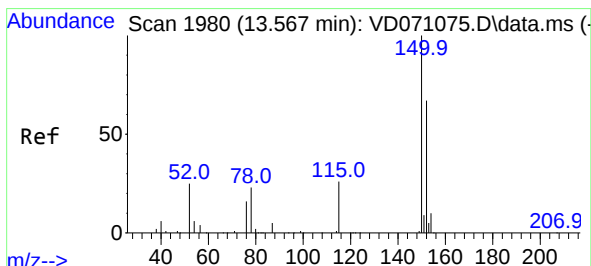
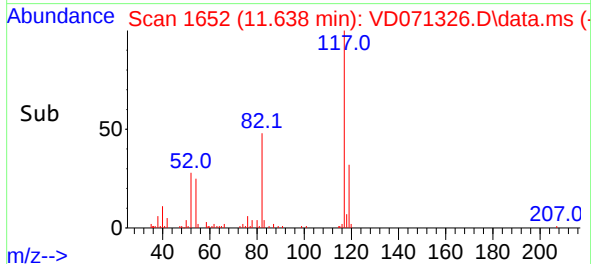
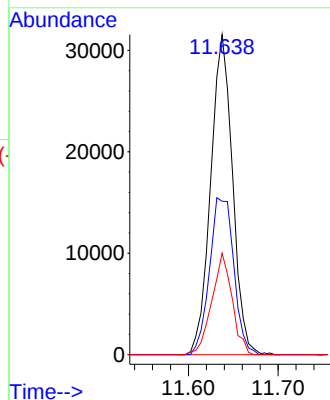
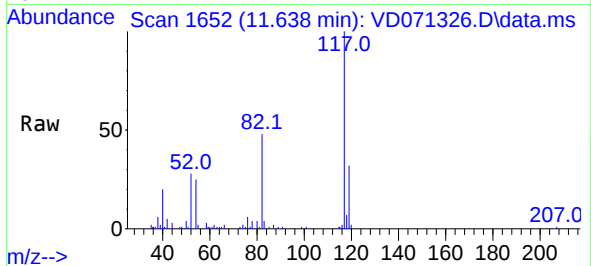




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

Instrument :  
MSVOA\_D  
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EO-02-121321

Tgt Ion:117 Resp: 53390  
Ion Ratio Lower Upper  
117 100  
82 47.9 44.7 67.1  
119 31.7 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.006 min  
Lab File: VD071326.D  
Acq: 14 Dec 2021 17:49

Tgt Ion:152 Resp: 25851  
Ion Ratio Lower Upper  
152 100  
115 66.0 29.8 89.3  
150 167.0 0.0 349.2

