

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050222\  
 Data File : VD072752.D  
 Acq On : 02 May 2022 18:05  
 Operator : VA/SY  
 Sample : N2607-01  
 Misc : 5.10G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 HR-02-042822

Quant Time: May 03 08:36:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 12654    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 25302    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.632 | 117  | 26722    | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152  | 11687    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 12832    | 78.121   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 156.240% |
| 35) Dibromofluoromethane    | 7.903  | 113   | 11599    | 65.273   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 130.540% |
| 50) Toluene-d8              | 10.332 | 98    | 30765    | 48.265   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.520%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 11454    | 48.191   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.380%  |

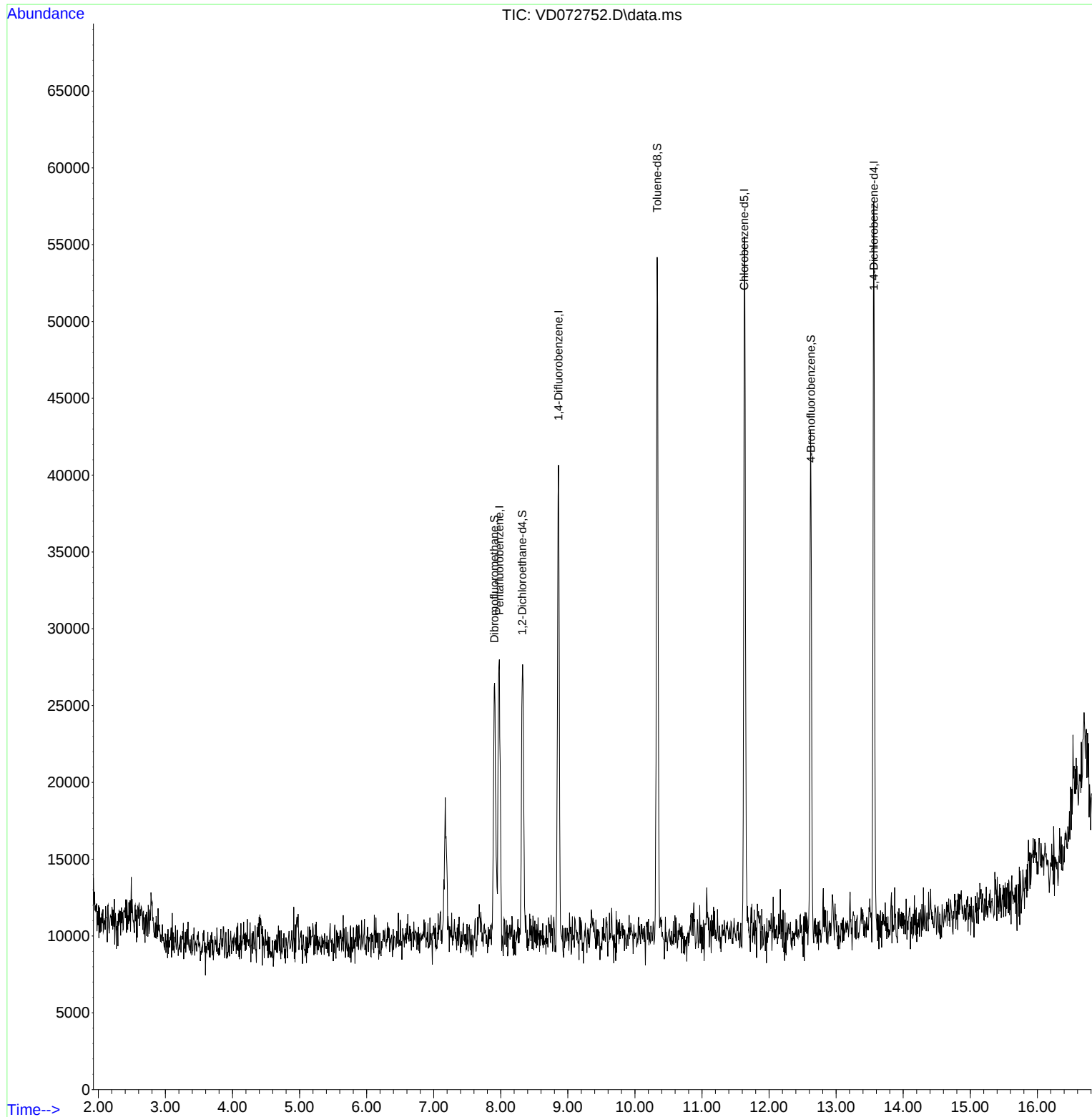
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

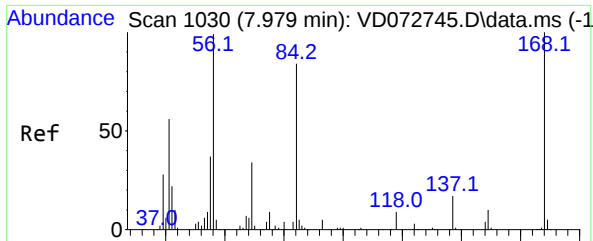
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_D  
ClientSampleId :  
HR-02-042822

Quant Time: May 03 08:36:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072752.D

Acq: 02 May 2022 18:05

Instrument :

MSVOA\_D

ClientSampleId :

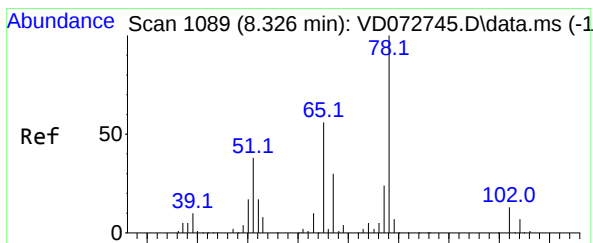
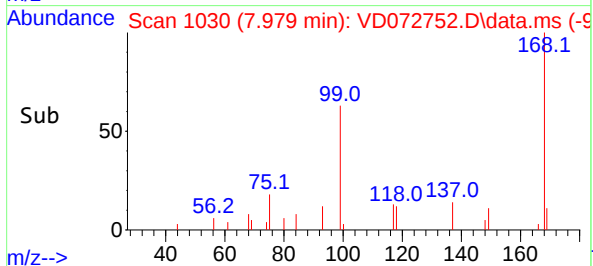
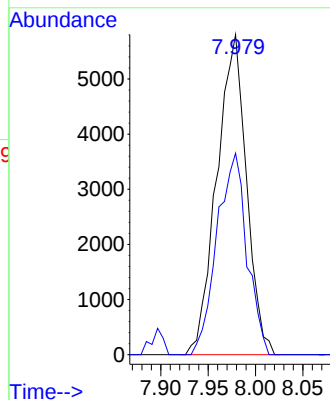
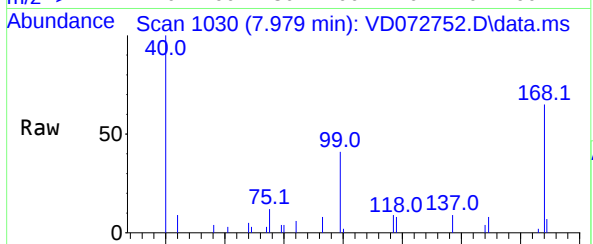
HR-02-042822

Tgt Ion:168 Resp: 12654

Ion Ratio Lower Upper

168 100

99 63.0 49.8 74.6



1,2-Dichloroethane-d4

Concen: 78.121 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072752.D

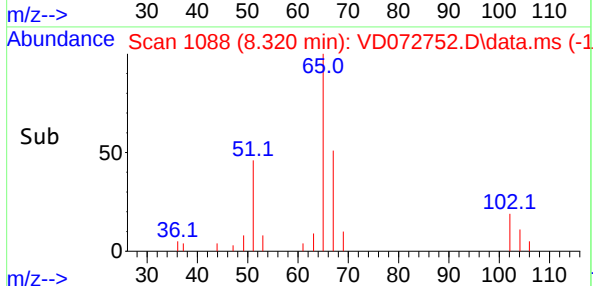
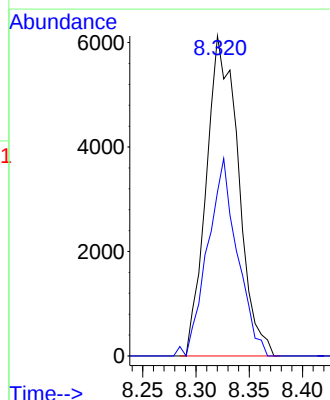
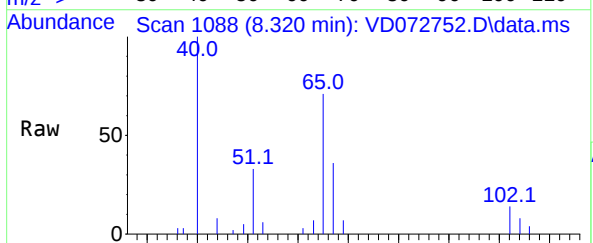
Acq: 02 May 2022 18:05

Tgt Ion: 65 Resp: 12832

Ion Ratio Lower Upper

65 100

67 57.3 0.0 101.4

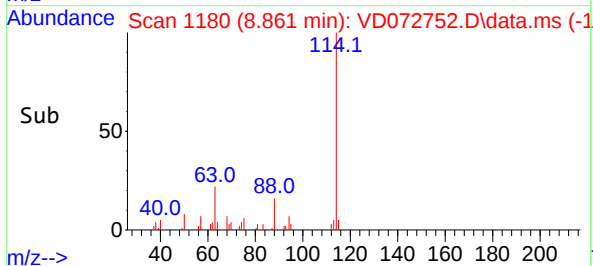
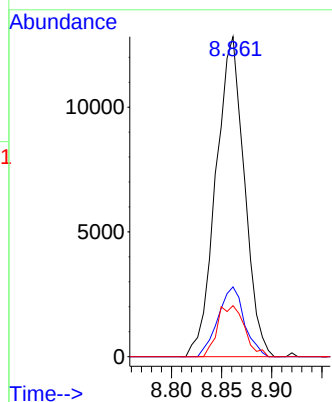
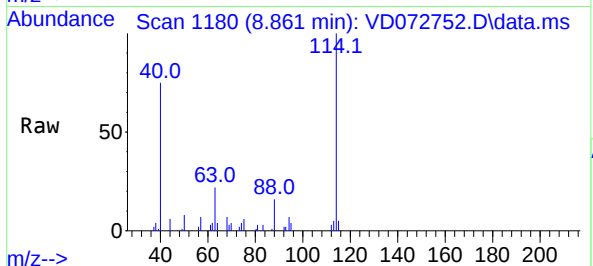




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

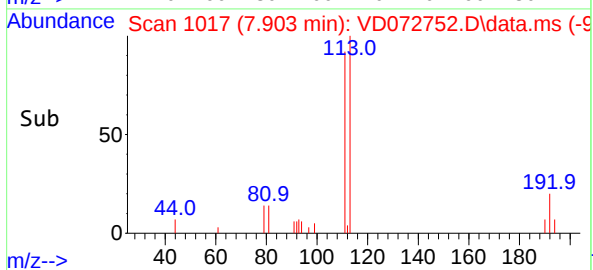
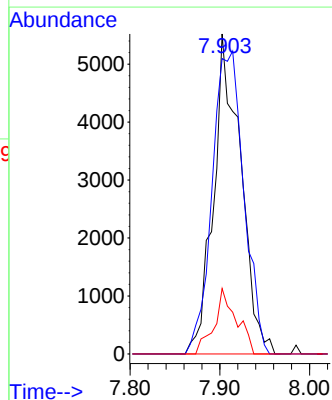
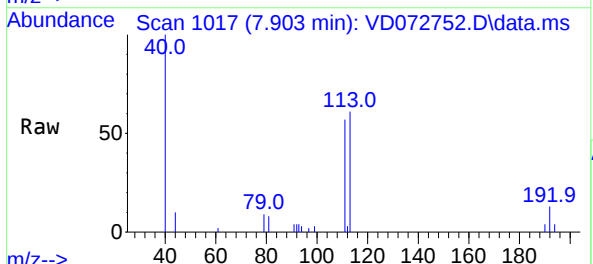
Instrument :  
MSVOA\_D  
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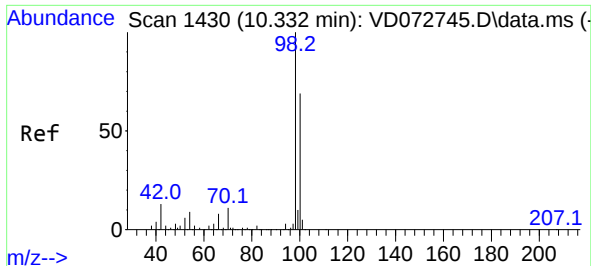
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 25302 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 21.8  | 0.0   | 46.6  |
| 88        | 16.0  | 0.0   | 33.2  |



#35  
Dibromofluoromethane  
Concen: 65.273 ug/l  
RT: 7.903 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 11599 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 110.3 | 83.8  | 125.6 |
| 192       | 16.7  | 14.6  | 21.8  |

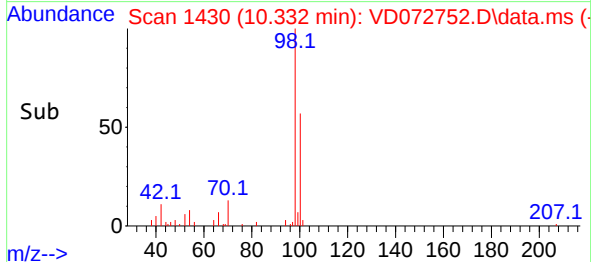
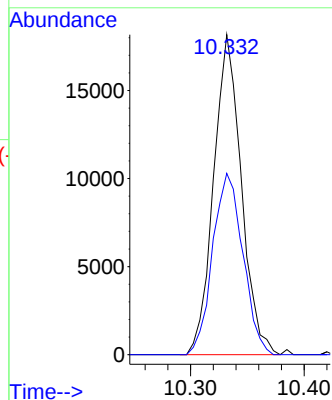
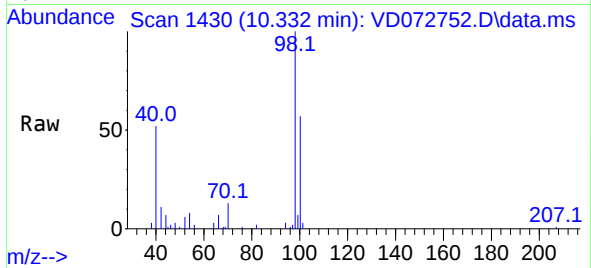




#50  
Toluene-d8  
Concen: 48.265 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

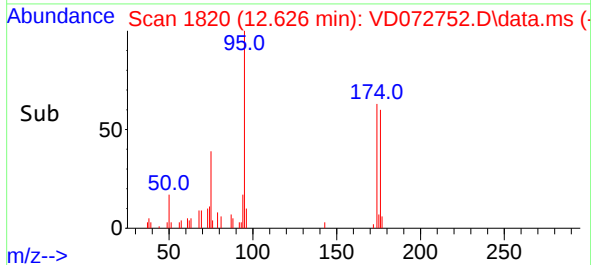
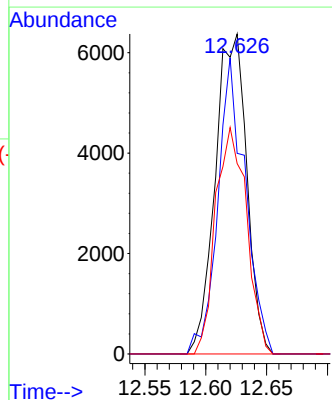
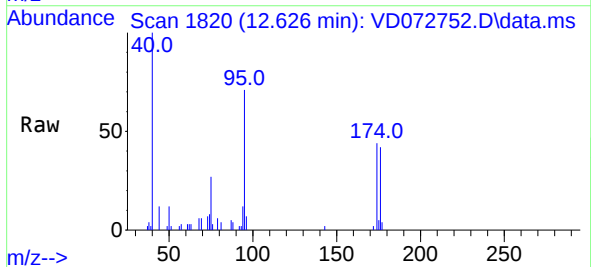
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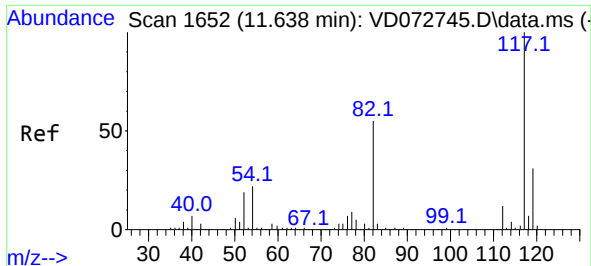
Tgt Ion: 98 Resp: 30765  
Ion Ratio Lower Upper  
98 100  
100 61.8 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 48.191 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

Tgt Ion: 95 Resp: 11454  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 152.8  
176 69.5 0.0 145.4

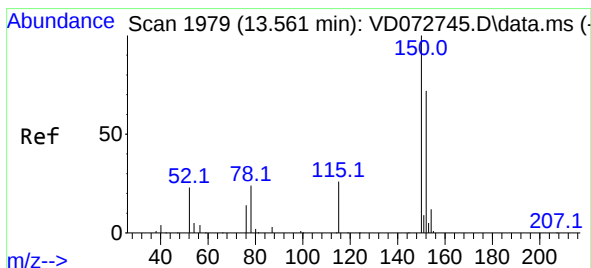
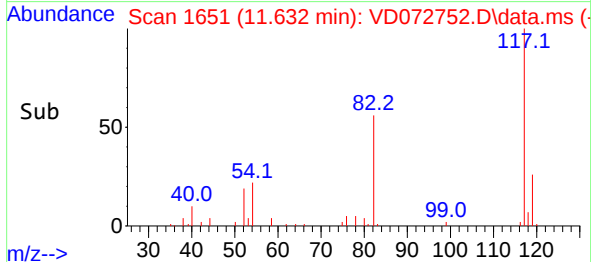
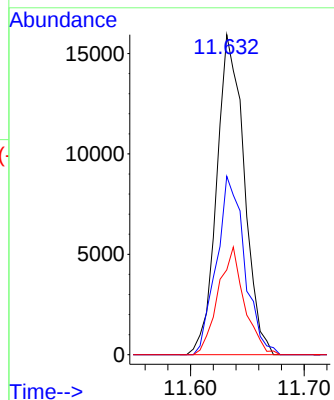
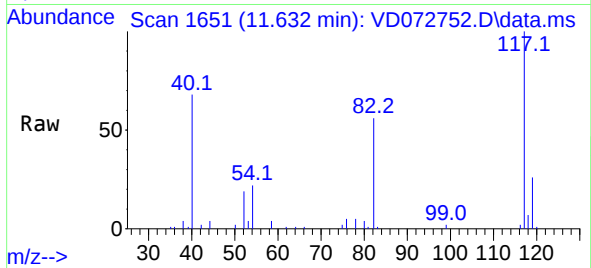




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.632 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
HR-02-042822

Tgt Ion:117 Resp: 26722  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.3 67.9  
119 26.5 26.6 40.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. 0.000 min  
Lab File: VD072752.D  
Acq: 02 May 2022 18:05

Tgt Ion:152 Resp: 11687  
Ion Ratio Lower Upper  
152 100  
115 59.2 31.3 93.8  
150 158.6 0.0 348.6

