

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051722\  
 Data File : VD073081.D  
 Acq On : 18 May 2022 03:42  
 Operator : VA/SY  
 Sample : N2879-04  
 Misc : 4.97G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP2-0516

Quant Time: May 18 05:14:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 04:58:34 2022  
 Response via : Initial Calibration

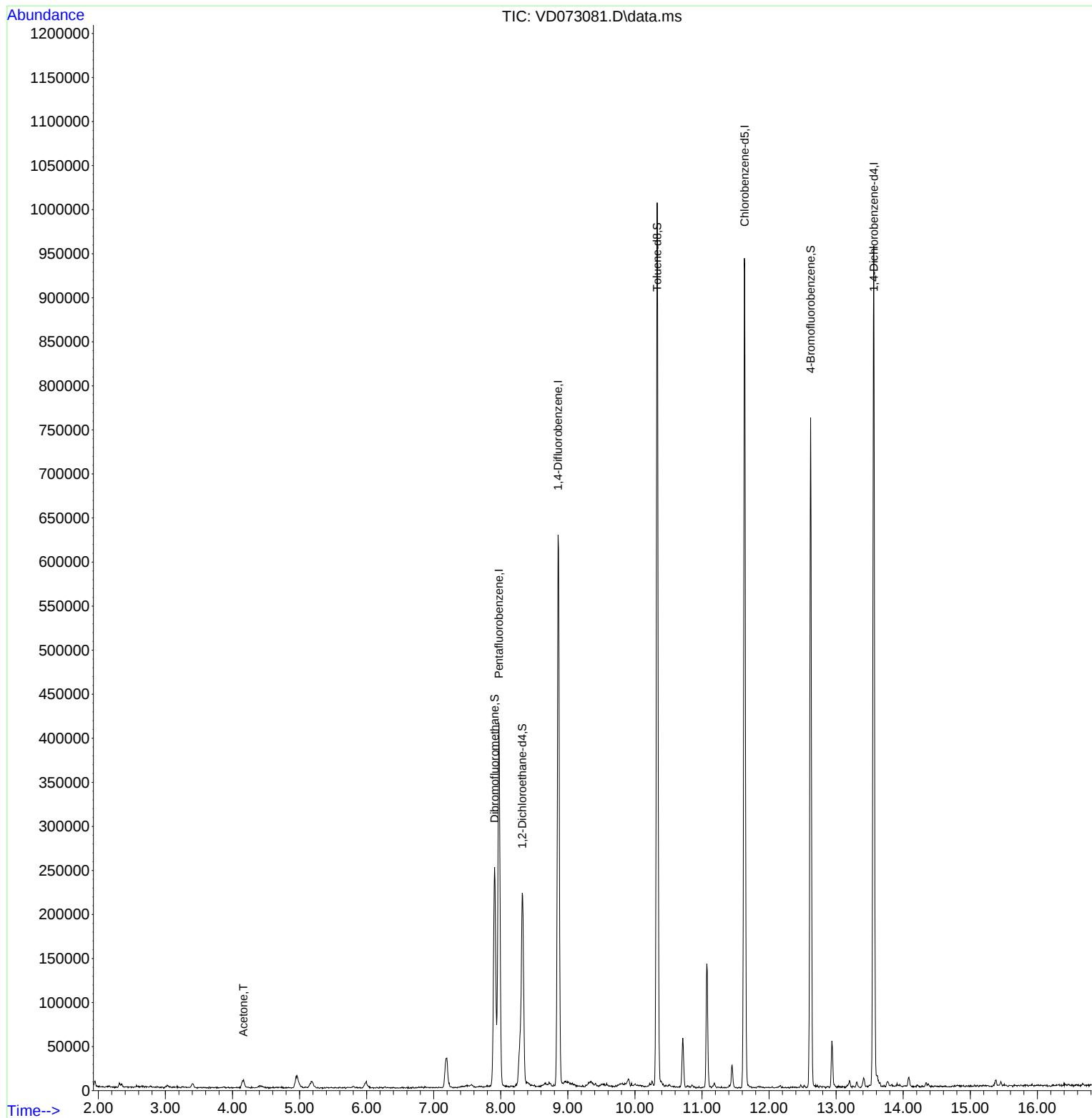
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.973  | 168   | 294015   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.855  | 114   | 531592   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 547823   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 252656   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.320  | 65    | 170969   | 46.498   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 93.000%   |
| 35) Dibromofluoromethane    | 7.908  | 113   | 179086   | 47.982   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 95.960%   |
| 50) Toluene-d8              | 10.332 | 98    | 652957   | 48.223   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 96.440%   |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 238215   | 48.573   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 97.140%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 4.162  | 43    | 16680    | 25.068   | ug/l  | Qvalue 97 |
| -----                       |        |       |          |          |       |           |

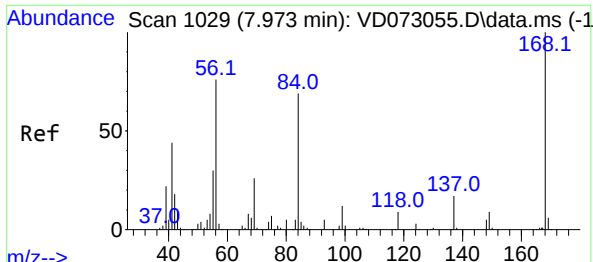
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed May 18 04:58:34 2022  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073081.D

Acq: 18 May 2022 03:42

Instrument :

MSVOA\_D

ClientSampleId :

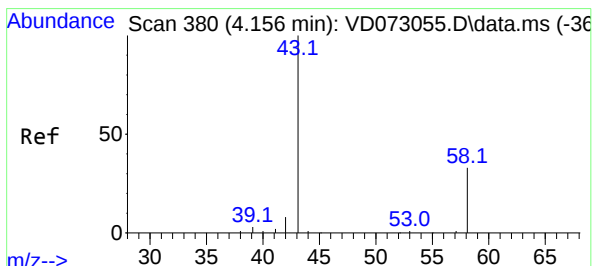
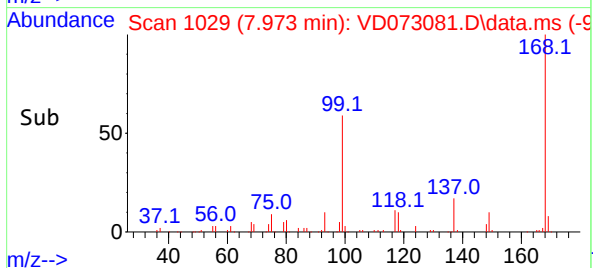
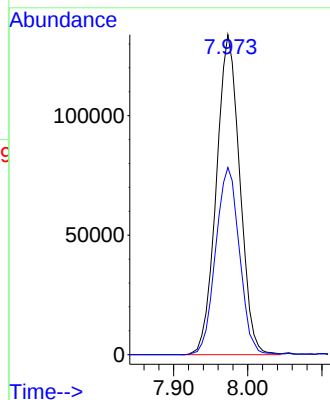
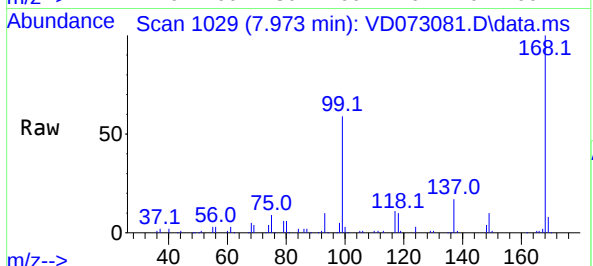
TP2-0516

Tgt Ion:168 Resp: 294015

Ion Ratio Lower Upper

168 100

99 58.5 49.8 74.6



#16

Acetone

Concen: 25.068 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD073081.D

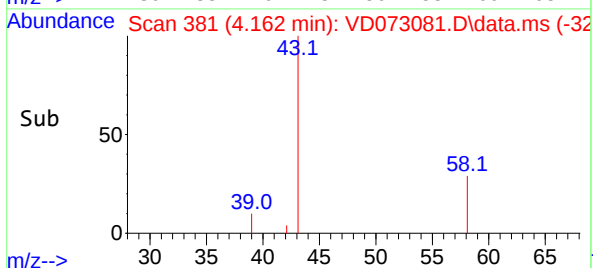
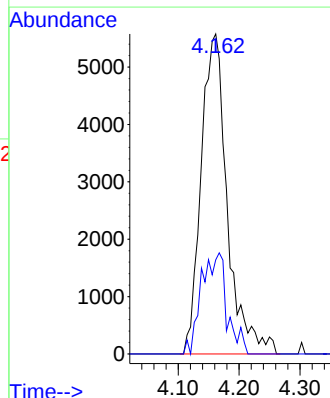
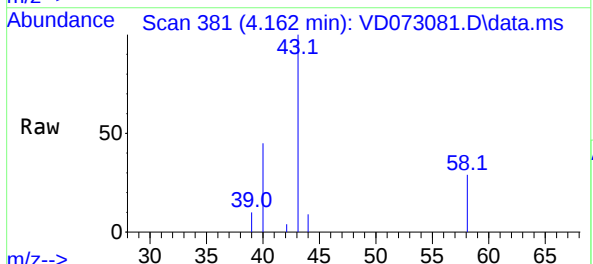
Acq: 18 May 2022 03:42

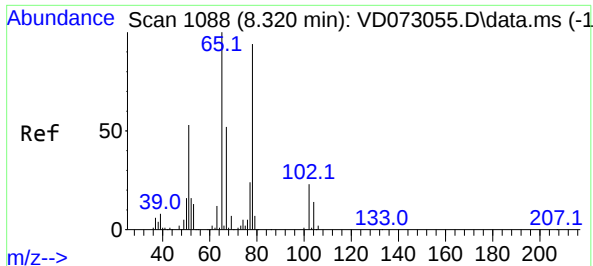
Tgt Ion: 43 Resp: 16680

Ion Ratio Lower Upper

43 100

58 29.4 22.1 33.1

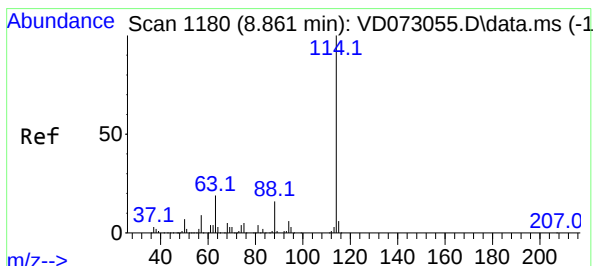
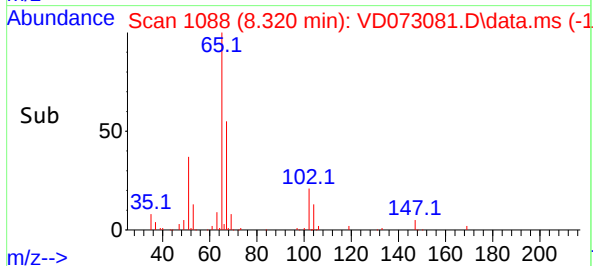
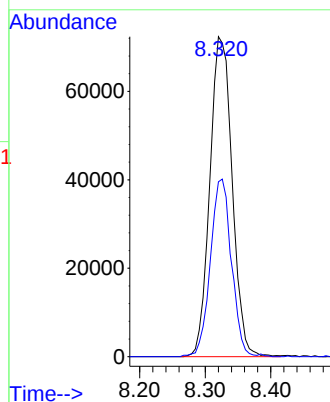
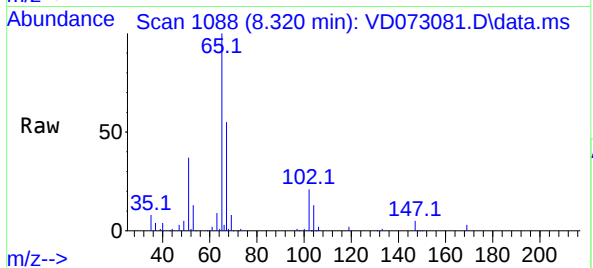




#33  
1,2-Dichloroethane-d4  
Concen: 46.498 ug/l  
RT: 8.320 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

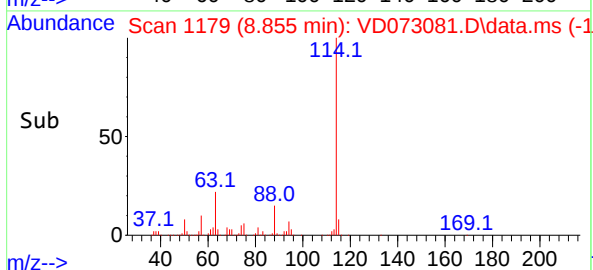
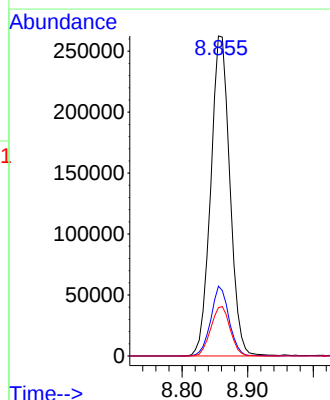
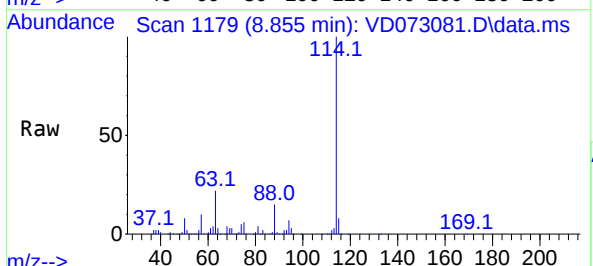
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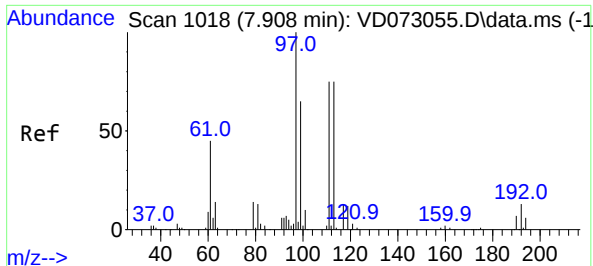
Tgt Ion: 65 Resp: 170969  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

Tgt Ion: 114 Resp: 531592  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 46.6  
88 15.1 0.0 33.2

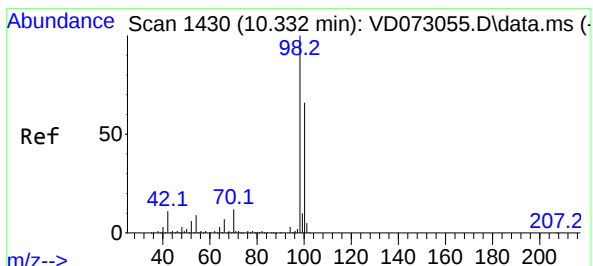
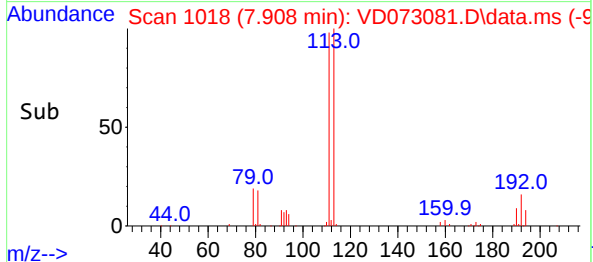
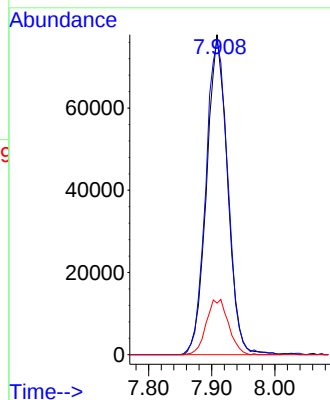
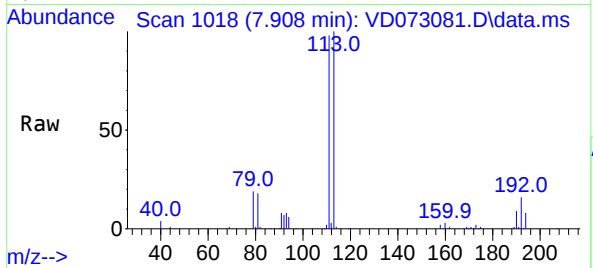




#35  
Dibromofluoromethane  
Concen: 47.982 ug/l  
RT: 7.908 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

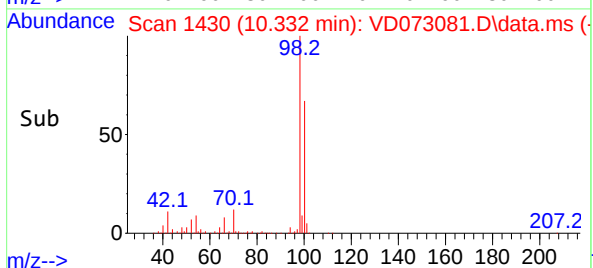
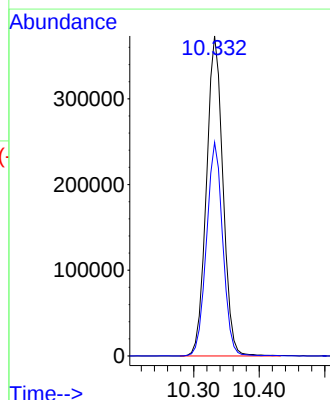
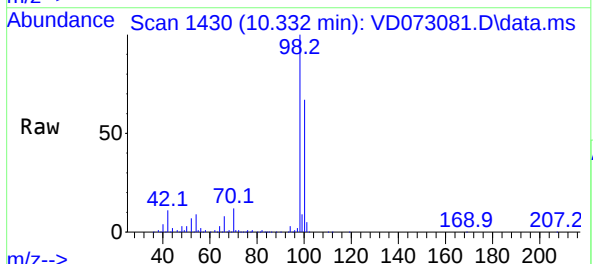
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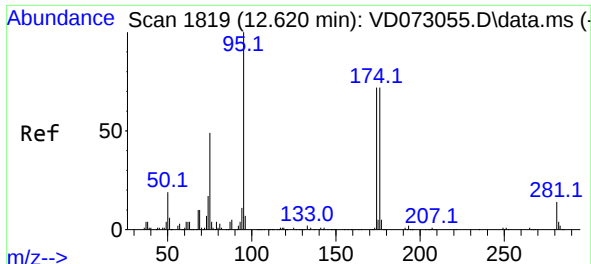
Tgt Ion:113 Resp: 179086  
Ion Ratio Lower Upper  
113 100  
111 103.5 83.8 125.6  
192 18.4 14.6 21.8



#50  
Toluene-d8  
Concen: 48.223 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

Tgt Ion: 98 Resp: 652957  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.4 78.6

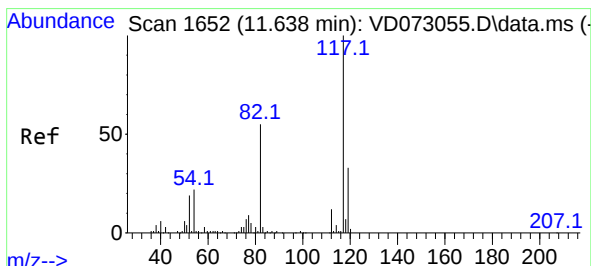
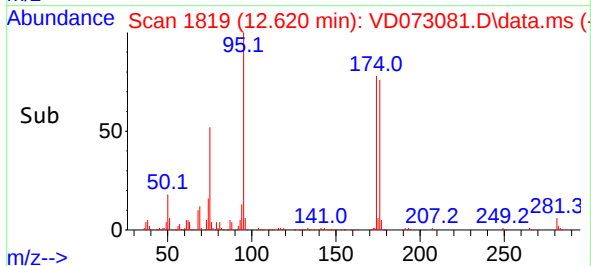
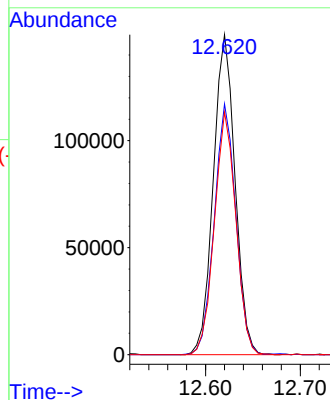
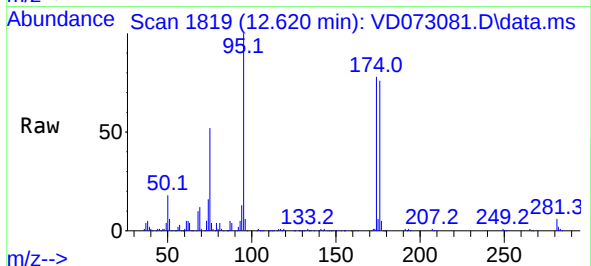




#62  
4-Bromofluorobenzene  
Concen: 48.573 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

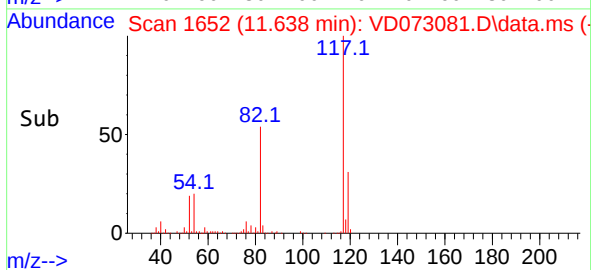
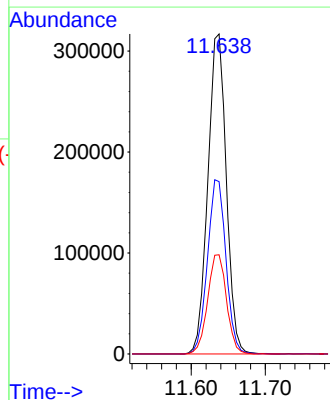
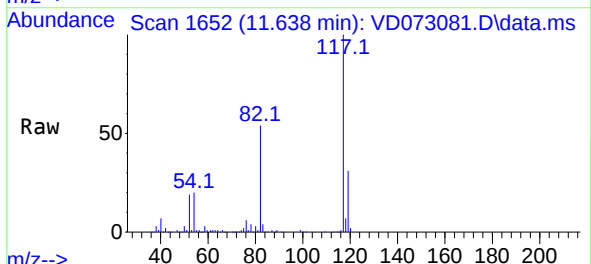
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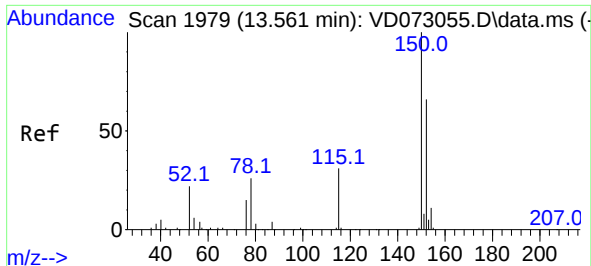
Tgt Ion: 95 Resp: 238215  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 152.8  
176 75.0 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD073081.D  
Acq: 18 May 2022 03:42

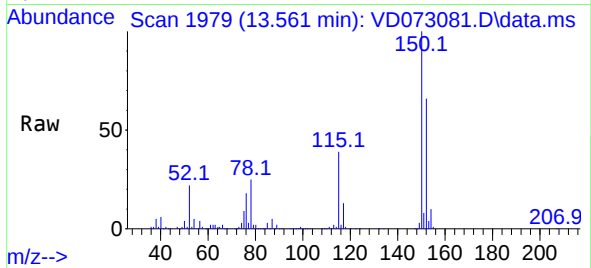
Tgt Ion: 117 Resp: 547823  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.3 67.9  
119 31.0 26.6 40.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073081.D  
 Acq: 18 May 2022 03:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP2-0516



Tgt Ion:152 Resp: 252656  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.0  | 31.3  | 93.8  |
| 150 | 156.1 | 0.0   | 348.6 |

