

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121321\  
 Data File : VD071306.D  
 Acq On : 13 Dec 2021 19:44  
 Operator : VA/SY  
 Sample : M5022-49  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP14

Quant Time: Dec 14 08:15:39 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

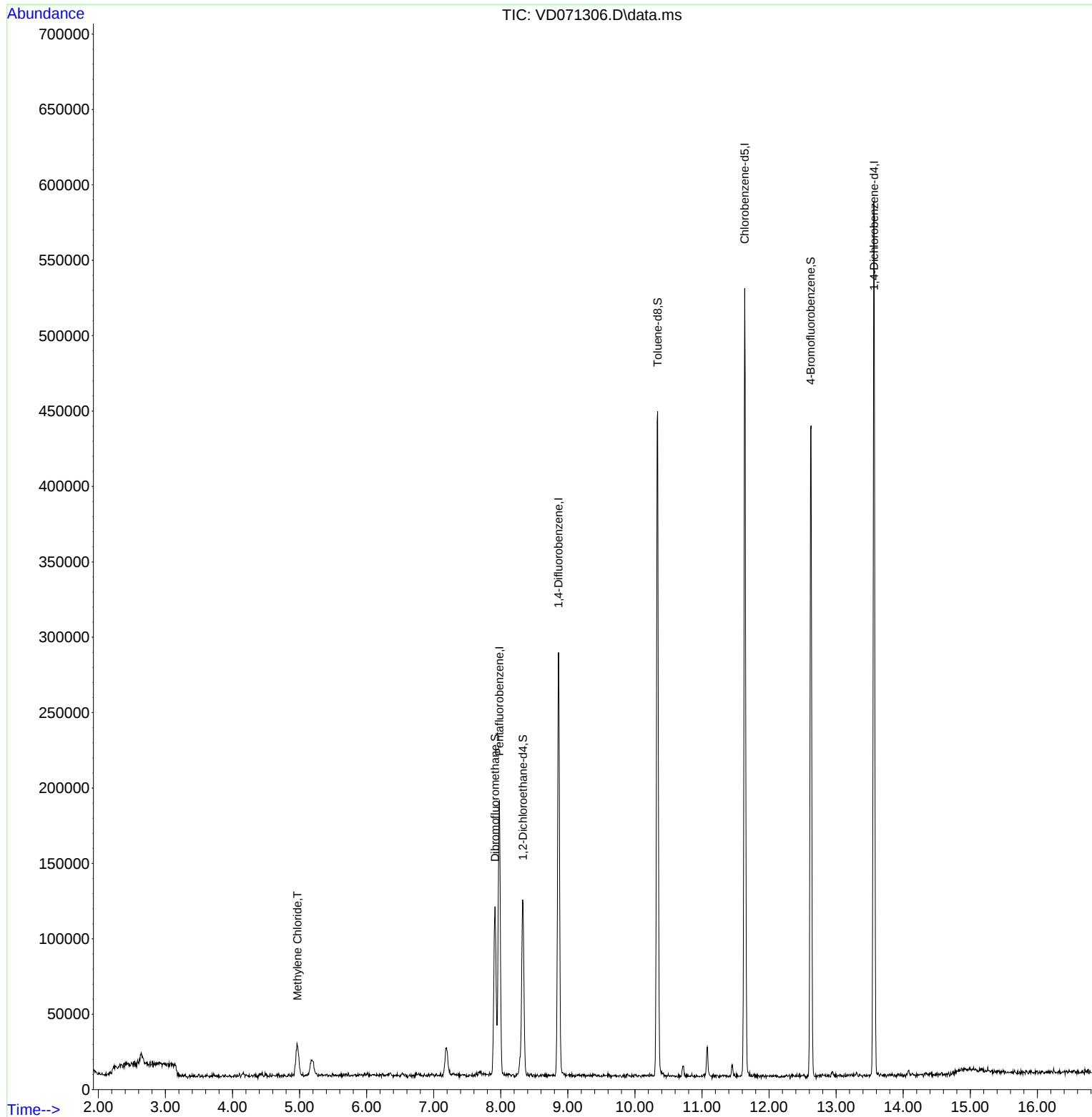
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------------|-------------|
| -----                       |        |       |          |          |             |             |
| Internal Standards          |        |       |          |          |             |             |
| 1) Pentafluorobenzene       | 7.979  | 168   | 128489   | 50.000   | ug/l        | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 220990   | 50.000   | ug/l        | 0.00        |
| 63) Chlorobenzene-d5        | 11.637 | 117   | 271152   | 50.000   | ug/l        | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.567 | 152   | 140205   | 50.000   | ug/l        | 0.00        |
| System Monitoring Compounds |        |       |          |          |             |             |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 94176    | 62.465   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 124.920%  |             |
| 35) Dibromofluoromethane    | 7.914  | 113   | 78205    | 55.573   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 111.140%  |             |
| 50) Toluene-d8              | 10.338 | 98    | 294132   | 54.924   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 109.840%  |             |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 135292   | 72.881   | ug/l        | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 145.760%# |             |
| Target Compounds            |        |       |          |          |             |             |
| 20) Methylene Chloride      | 4.967  | 84    | 14830    | 6.079    | ug/l        | Qvalue # 82 |
| -----                       |        |       |          |          |             |             |

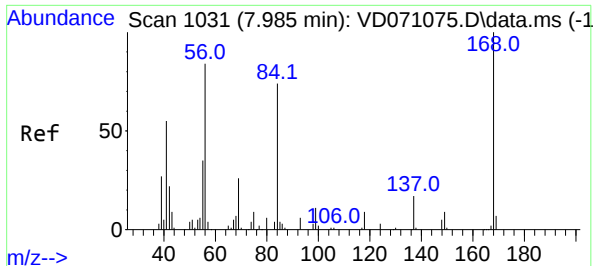
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP14

Quant Time: Dec 14 08:15:39 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

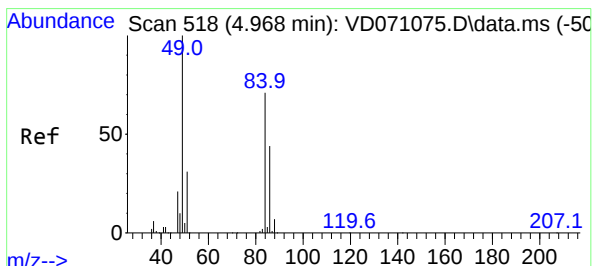
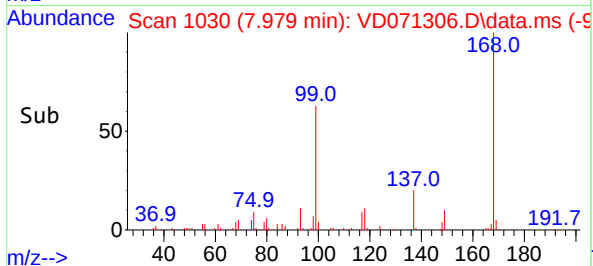
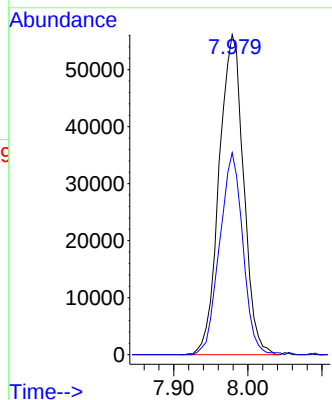
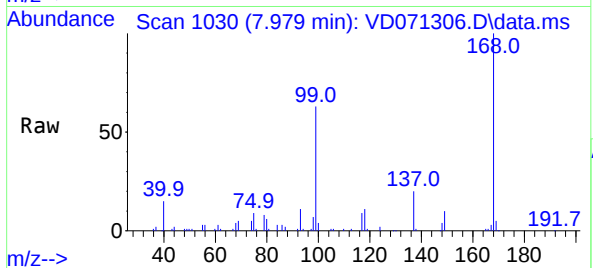




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

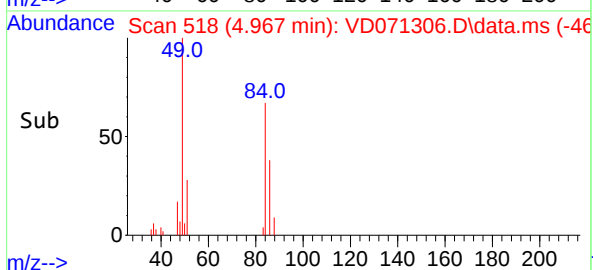
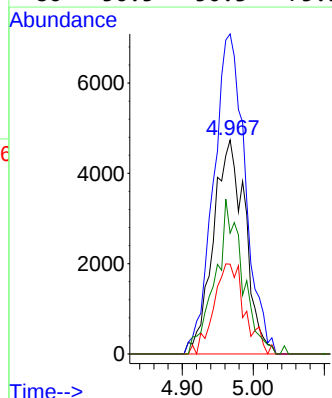
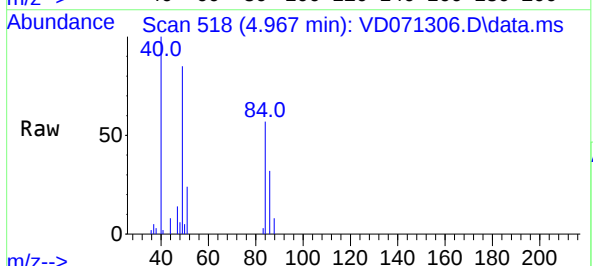
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP14

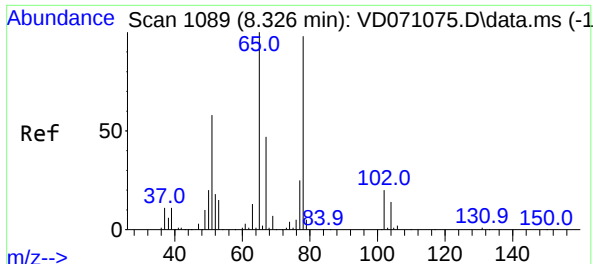
Tgt Ion:168 Resp: 128489  
Ion Ratio Lower Upper  
168 100  
99 63.1 46.6 69.8



#20  
Methylene Chloride  
Concen: 6.079 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.001 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

Tgt Ion: 84 Resp: 14830  
Ion Ratio Lower Upper  
84 100  
49 149.6 95.8 143.6#  
51 41.9 30.9 46.3  
86 56.5 50.3 75.5

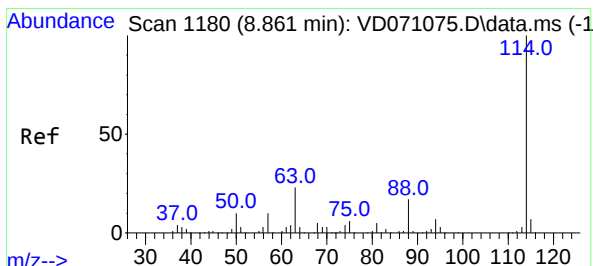
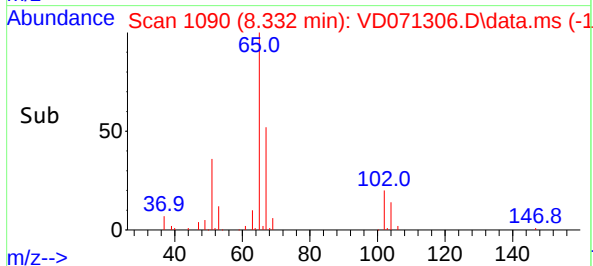
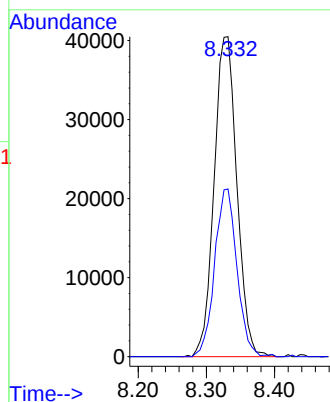
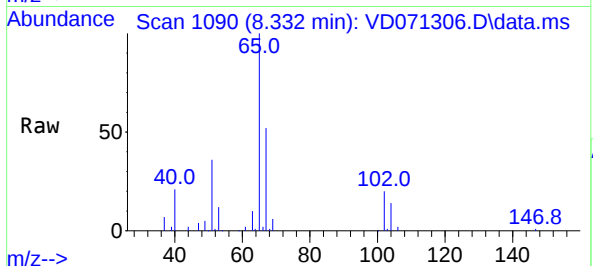




#33  
1,2-Dichloroethane-d4  
Concen: 62.465 ug/l  
RT: 8.332 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

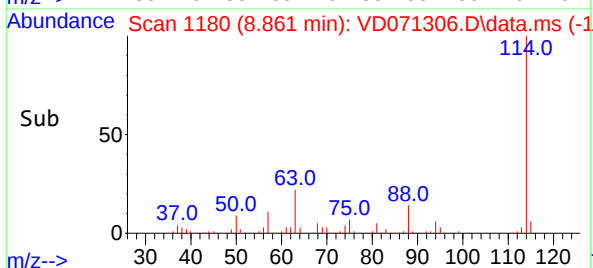
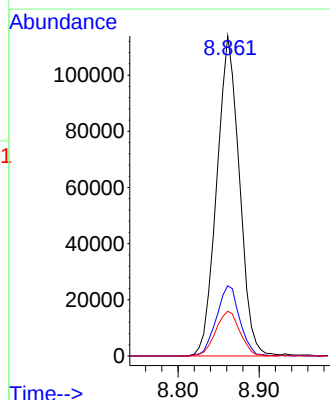
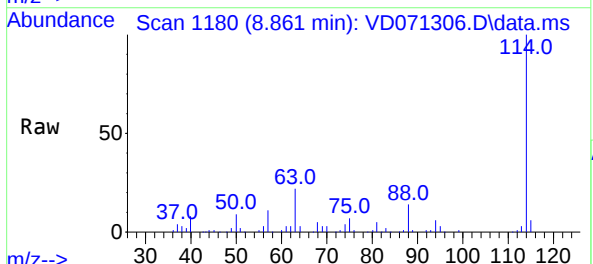
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP14

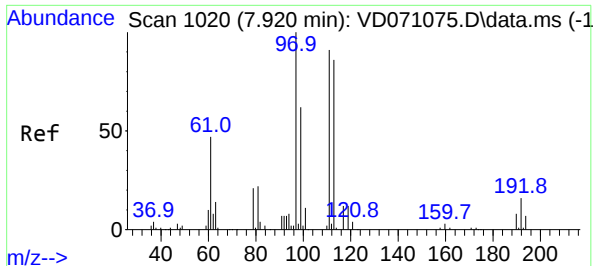
Tgt Ion: 65 Resp: 94176  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 112.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

Tgt Ion: 114 Resp: 220990  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 41.8  
88 14.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 55.573 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071306.D

Acq: 13 Dec 2021 19:44

Instrument :

MSVOA\_D

ClientSampleId :

TP14

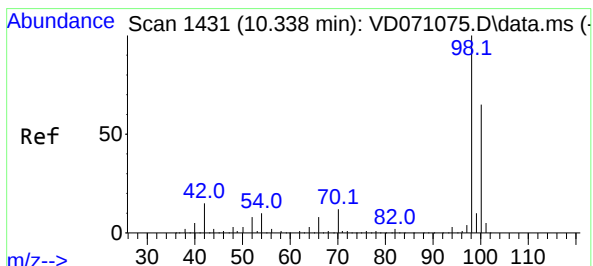
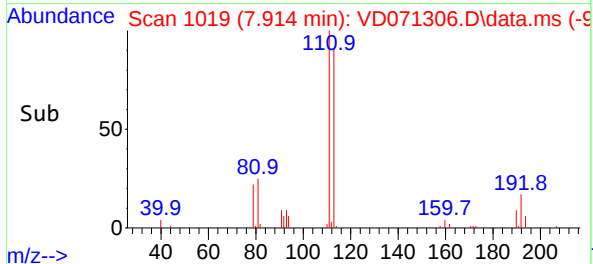
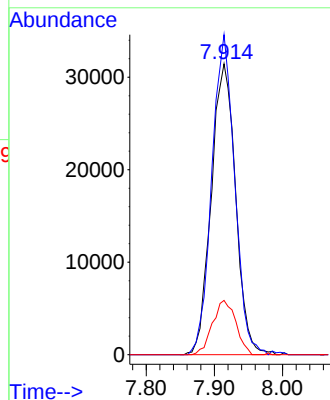
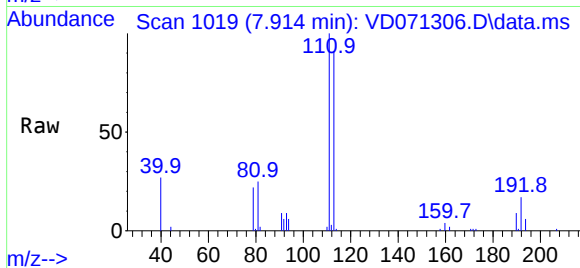
Tgt Ion:113 Resp: 78205

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.9 15.2 22.8



#50

Toluene-d8

Concen: 54.924 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071306.D

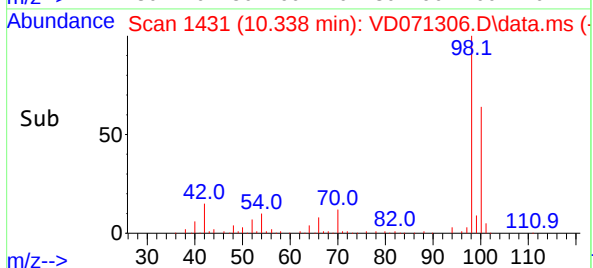
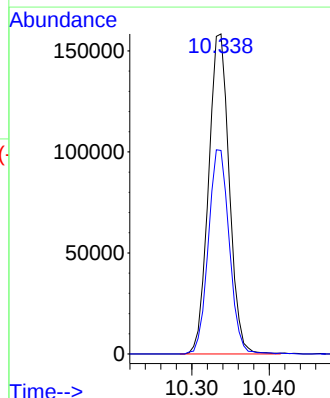
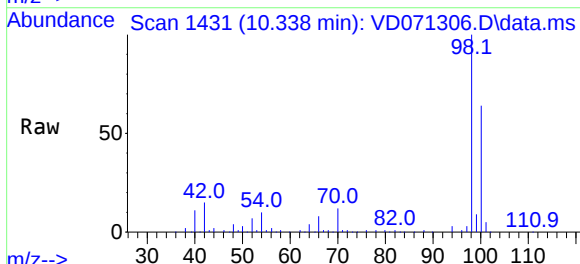
Acq: 13 Dec 2021 19:44

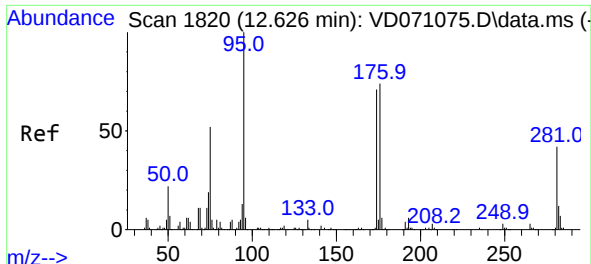
Tgt Ion: 98 Resp: 294132

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6

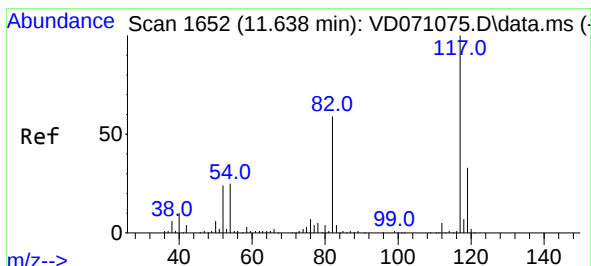
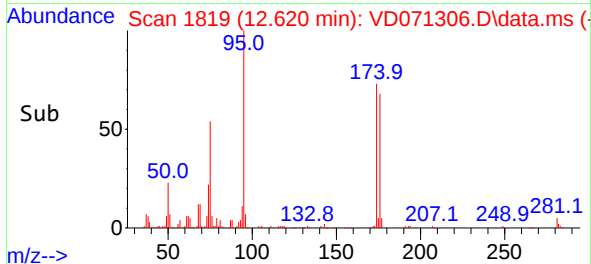
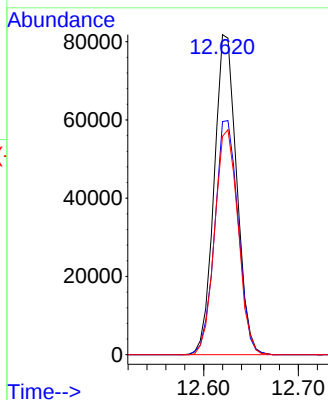
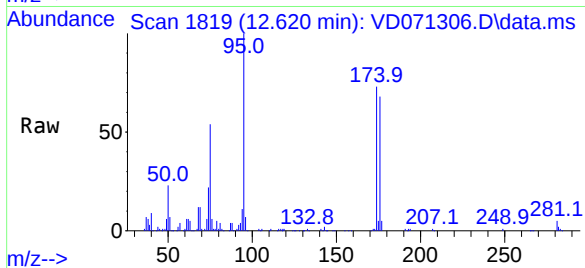




#62  
4-Bromofluorobenzene  
Concen: 72.881 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

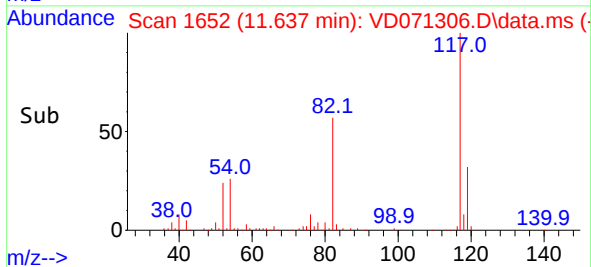
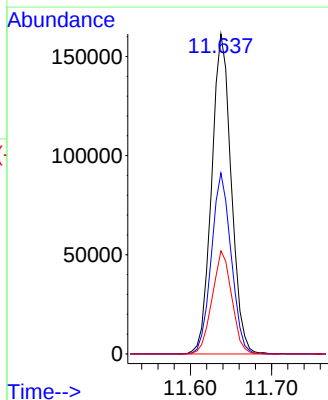
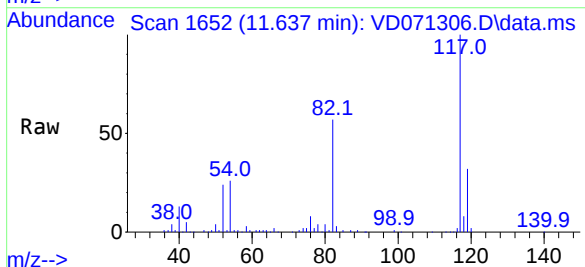
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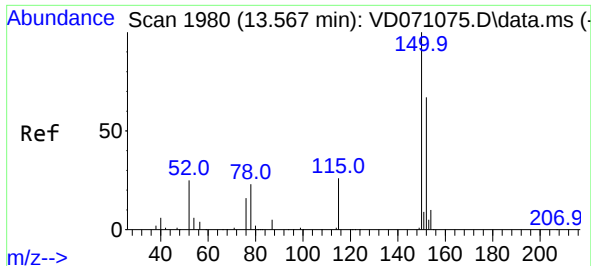
Tgt Ion: 95 Resp: 135292  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 159.4  
176 72.9 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.637 min Scan# 1652  
Delta R.T. -0.001 min  
Lab File: VD071306.D  
Acq: 13 Dec 2021 19:44

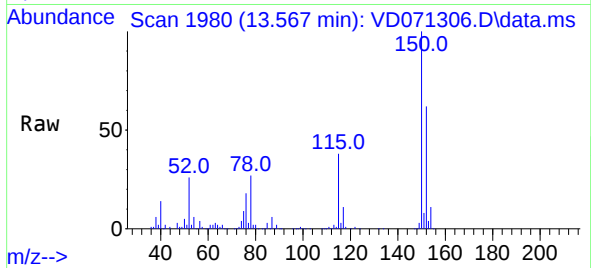
Tgt Ion: 117 Resp: 271152  
Ion Ratio Lower Upper  
117 100  
82 56.5 44.7 67.1  
119 32.2 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. -0.000 min  
 Lab File: VD071306.D  
 Acq: 13 Dec 2021 19:44

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP14



Tgt Ion:152 Resp: 140205  
 Ion Ratio Lower Upper  
 152 100  
 115 61.2 29.8 89.3  
 150 157.3 0.0 349.2

