

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112321\  
 Data File : VY006870.D  
 Acq On : 23 Nov 2021 15:21  
 Operator : SY/MD  
 Sample : M4808-01  
 Misc : 5.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CHRT-20001

Quant Time: Nov 24 02:04:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 92619    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 156380   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 154942   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 59922    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 71812    | 59.159   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.320% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 49945    | 51.996   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.000% |
| 50) Toluene-d8              | 10.185 | 98    | 199927   | 50.298   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.600% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 61450    | 45.858   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 91.720%  |

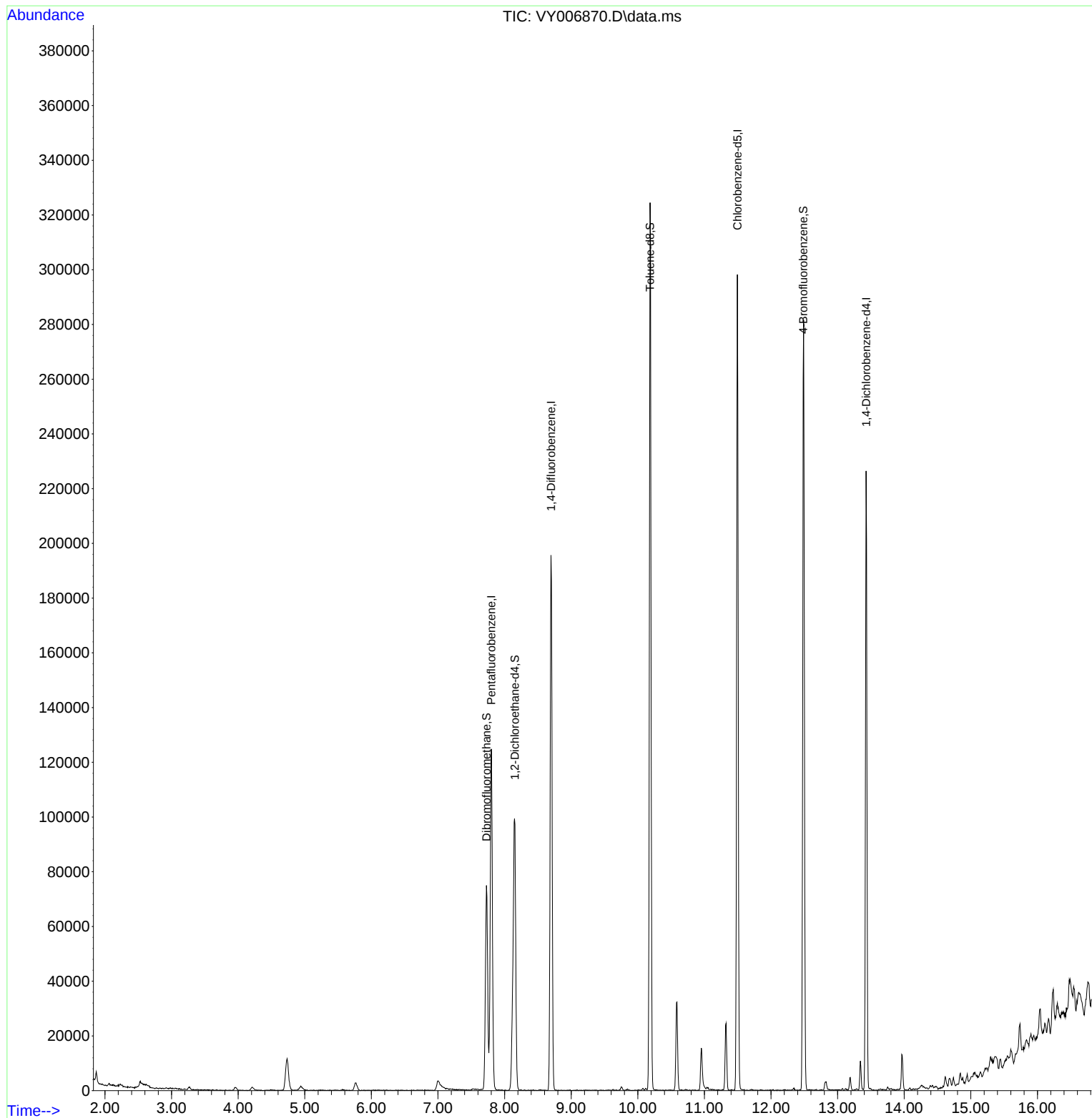
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

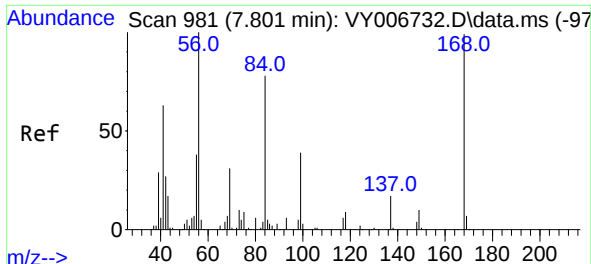
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 16 04:20:03 2021  
Response via : Initial Calibration

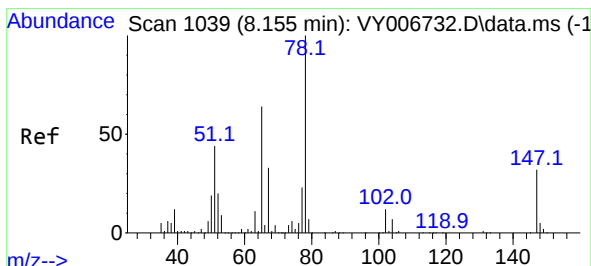
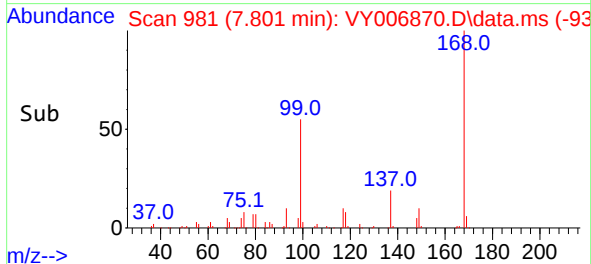
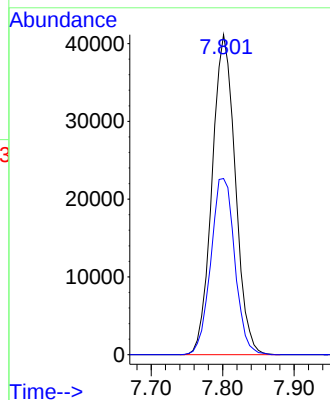
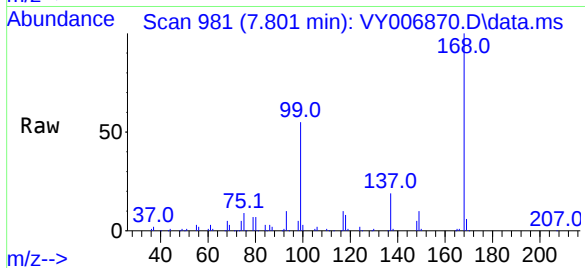




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

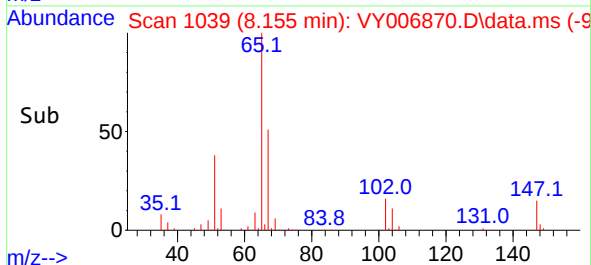
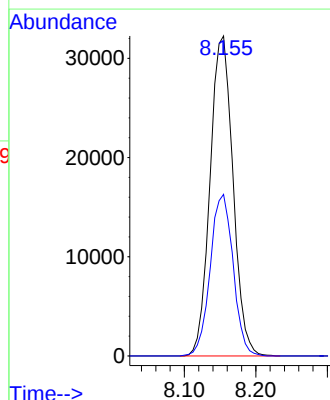
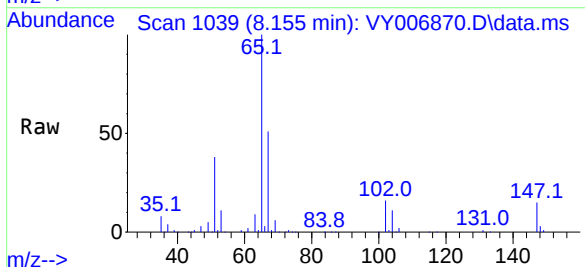
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-20001

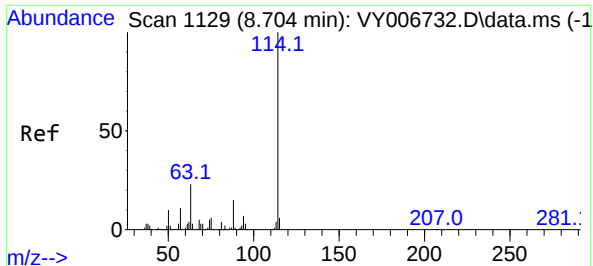
Tgt Ion:168 Resp: 92619  
Ion Ratio Lower Upper  
168 100  
99 55.0 44.8 67.2



#33  
1,2-Dichloroethane-d4  
Concen: 59.159 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

Tgt Ion: 65 Resp: 71812  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006870.D

Acq: 23 Nov 2021 15:21

Instrument :

MSVOA\_Y

ClientSampleId :

CHRT-20001

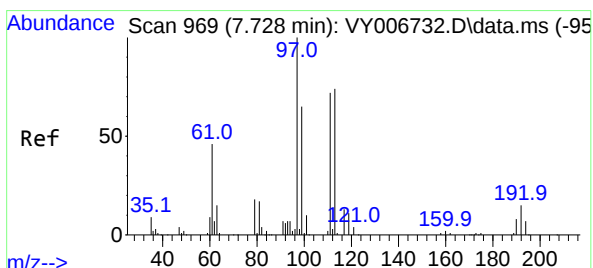
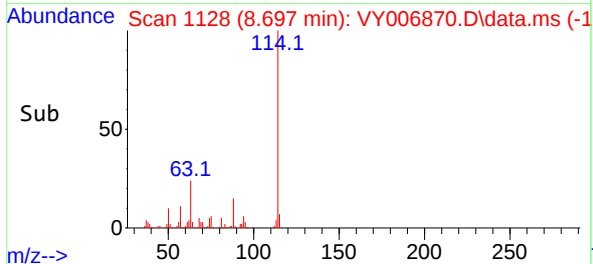
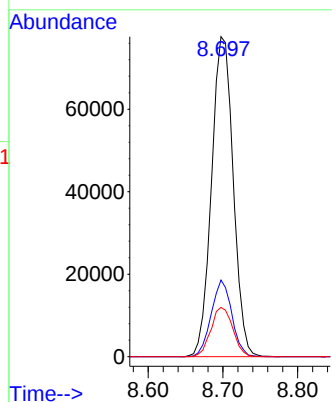
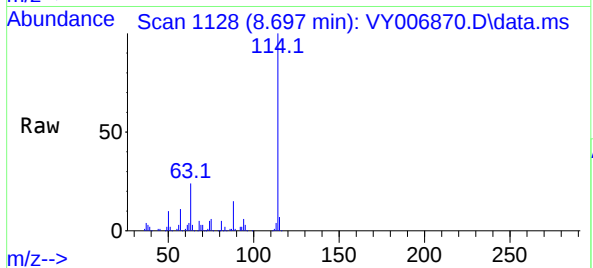
Tgt Ion:114 Resp: 156380

Ion Ratio Lower Upper

114 100

63 24.0 0.0 45.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY006870.D

Acq: 23 Nov 2021 15:21

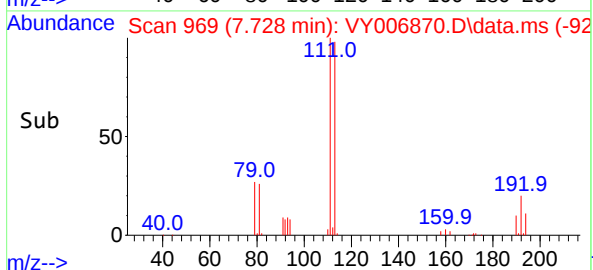
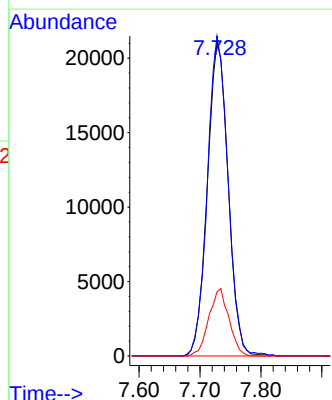
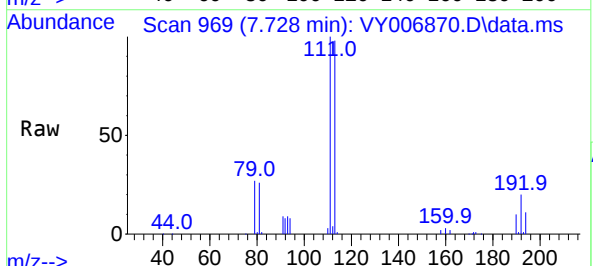
Tgt Ion:113 Resp: 49945

Ion Ratio Lower Upper

113 100

111 101.4 82.3 123.5

192 20.7 17.4 26.2

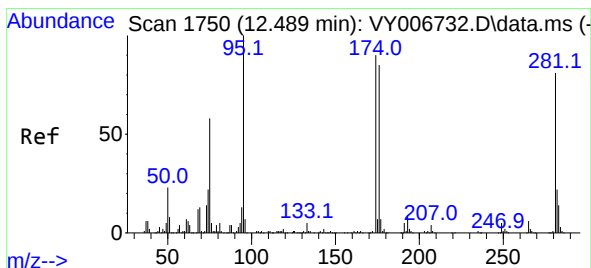
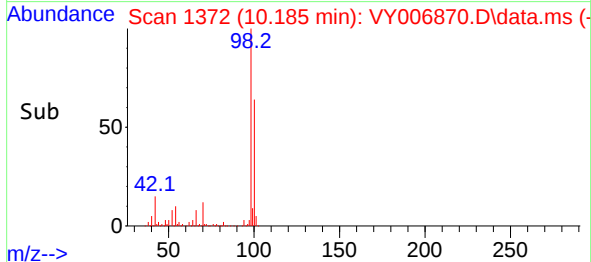
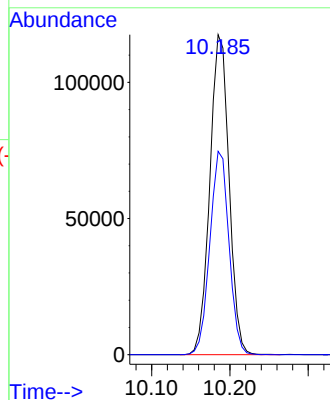
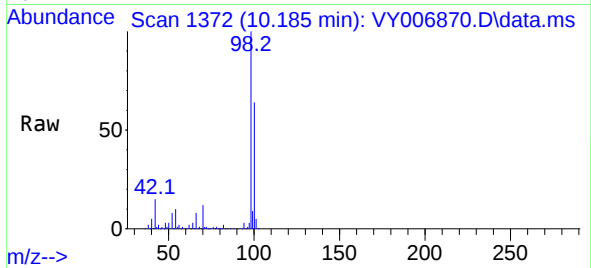




#50  
Toluene-d8  
Concen: 50.298 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

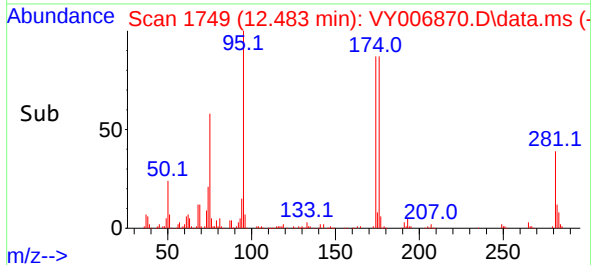
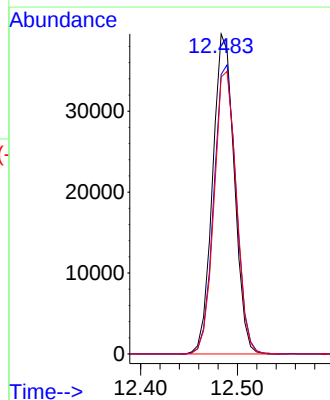
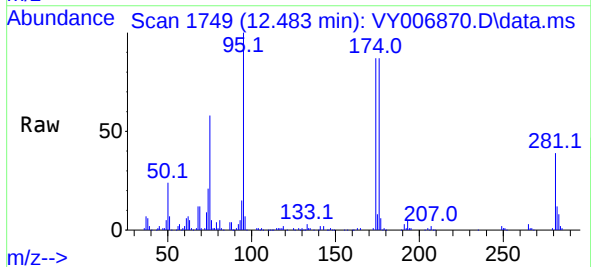
Instrument :  
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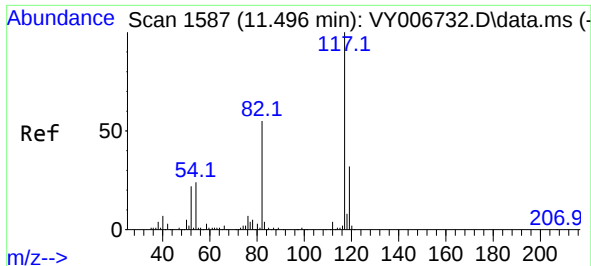
Tgt Ion: 98 Resp: 199927  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 45.858 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

Tgt Ion: 95 Resp: 61450  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 177.0  
176 90.4 0.0 169.4

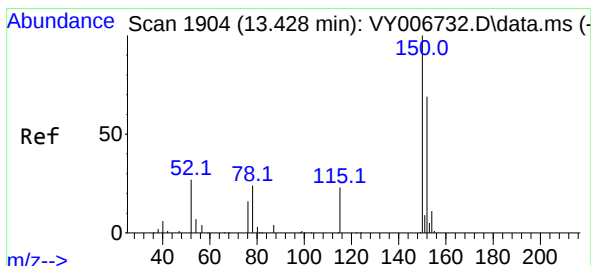
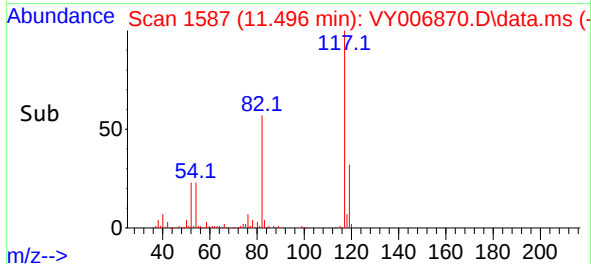
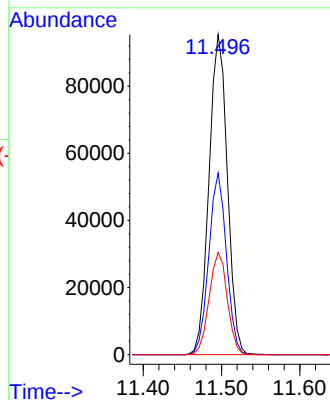
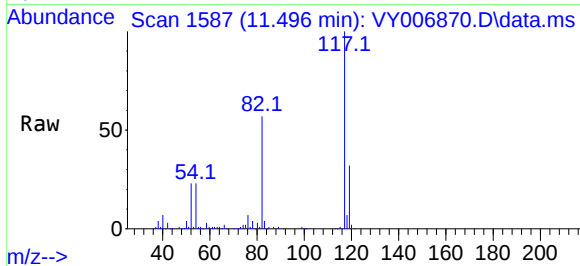




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CHRT-20001

Tgt Ion:117 Resp: 154942  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.7 68.5  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006870.D  
Acq: 23 Nov 2021 15:21

Tgt Ion:152 Resp: 59922  
Ion Ratio Lower Upper  
152 100  
115 53.4 28.5 85.5  
150 155.0 0.0 348.2

