

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122623\  
 Data File : VY016857.D  
 Acq On : 26 Dec 2023 16:52  
 Operator : SY/MD  
 Sample : 06015-01  
 Misc : 5.76g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MR-317-0-2

Quant Time: Dec 27 01:36:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 102530   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 222859   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 226781   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 85317    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 62120    | 66.368   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.740% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 64413    | 50.457   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.920% |
| 50) Toluene-d8              | 10.191 | 98    | 231352   | 50.272   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.540% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 75760    | 50.743   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.480% |

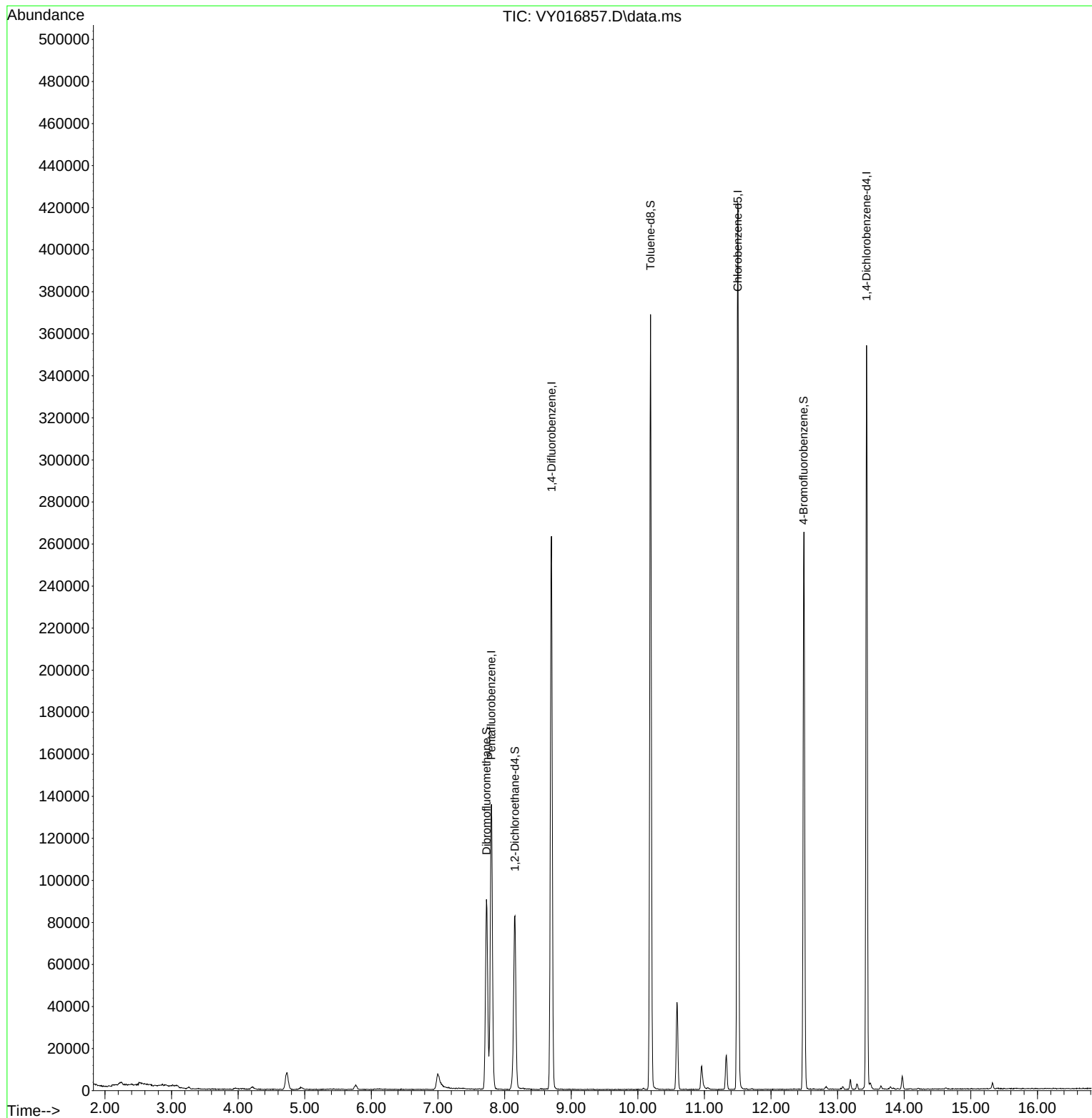
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

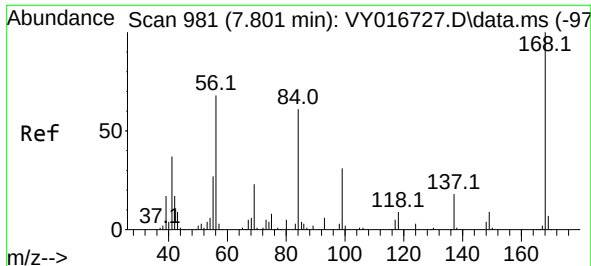
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Dec 21 01:49:45 2023  
Response via : Initial Calibration

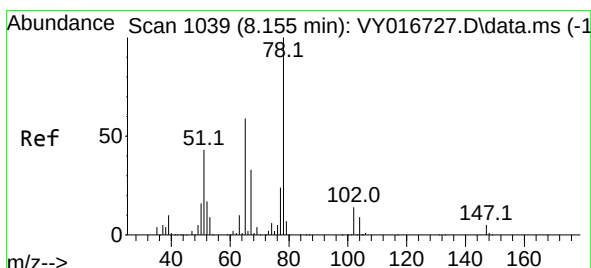
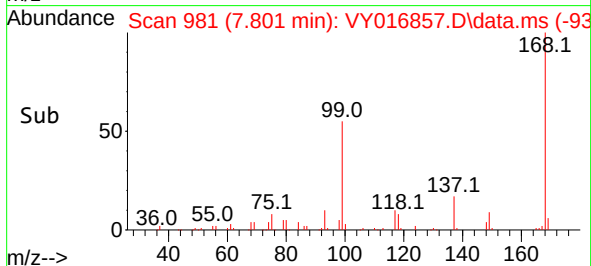
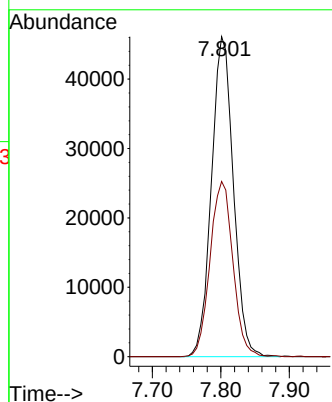
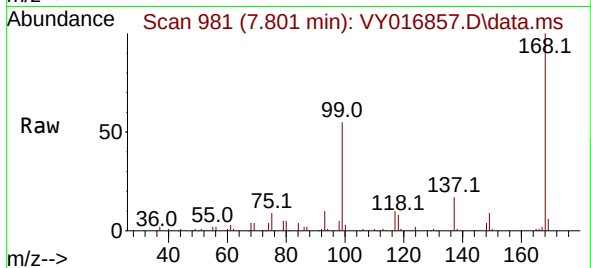




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016857.D  
Acq: 26 Dec 2023 16:52

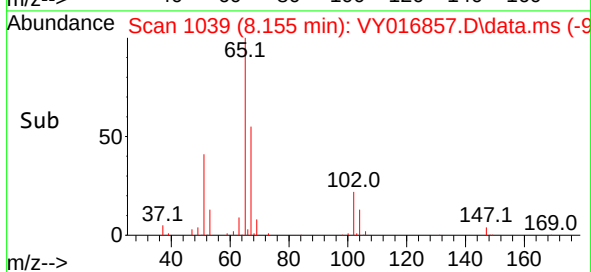
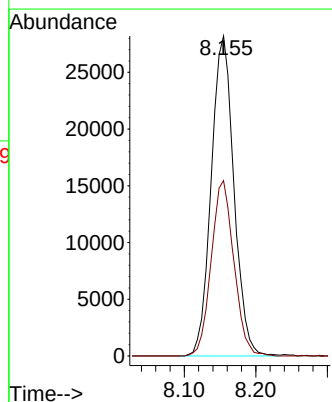
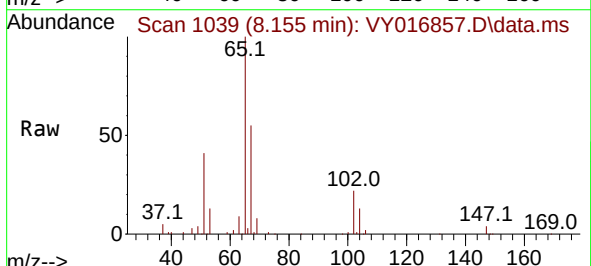
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MR-317-0-2

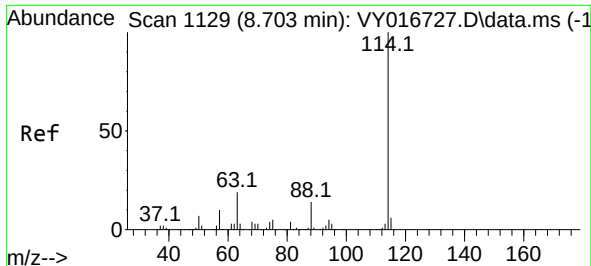
Tgt Ion:168 Resp: 102530  
Ion Ratio Lower Upper  
168 100  
99 54.7 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 66.368 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY016857.D  
Acq: 26 Dec 2023 16:52

Tgt Ion: 65 Resp: 62120  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016857.D

Acq: 26 Dec 2023 16:52

Instrument :

MSVOA\_Y

ClientSampleId :

MR-317-0-2

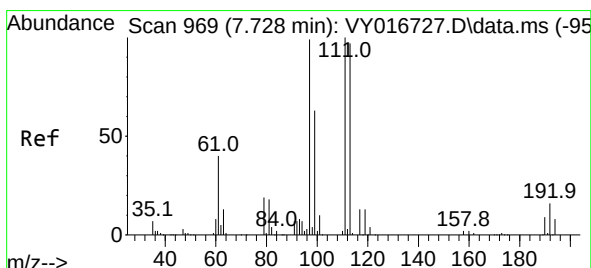
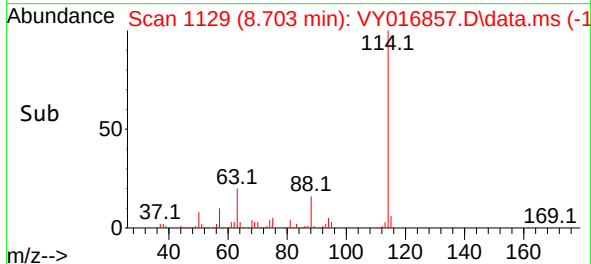
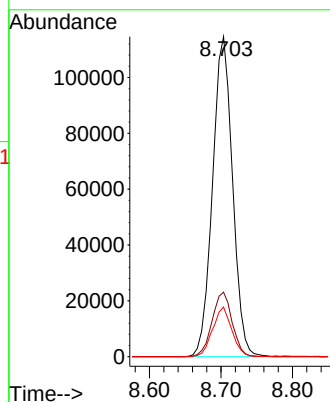
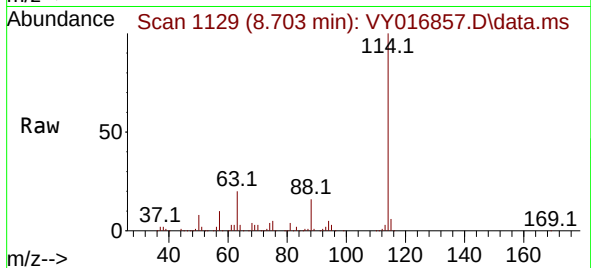
Tgt Ion:114 Resp: 222859

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.457 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY016857.D

Acq: 26 Dec 2023 16:52

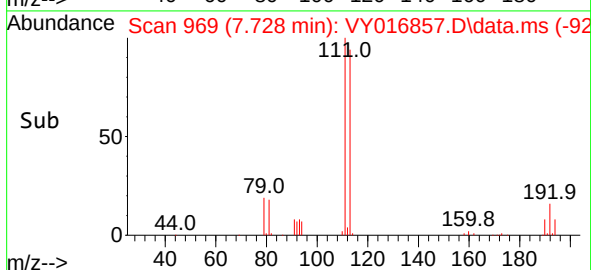
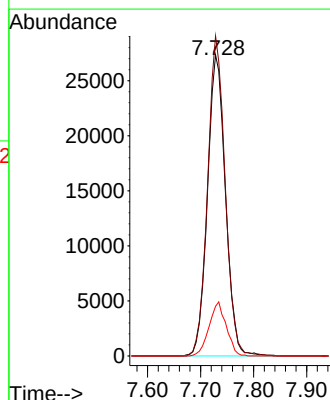
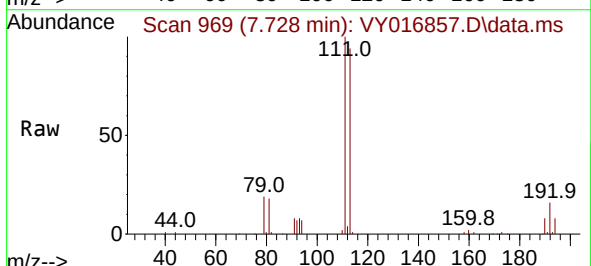
Tgt Ion:113 Resp: 64413

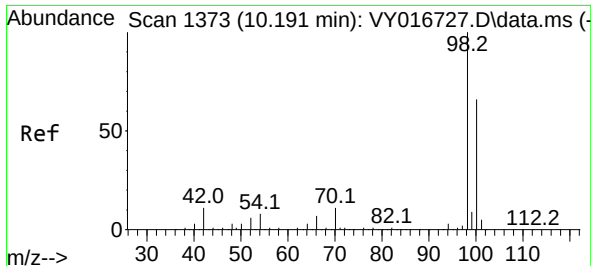
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 17.2 14.5 21.7





#50

Toluene-d8

Concen: 50.272 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY016857.D

Acq: 26 Dec 2023 16:52

Instrument :

MSVOA\_Y

ClientSampleId :

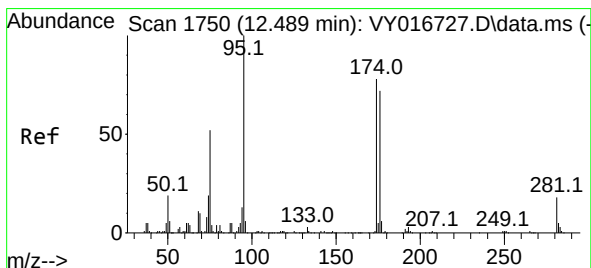
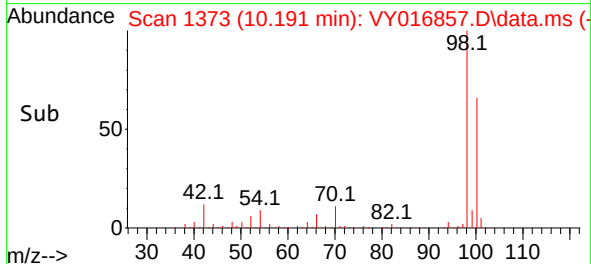
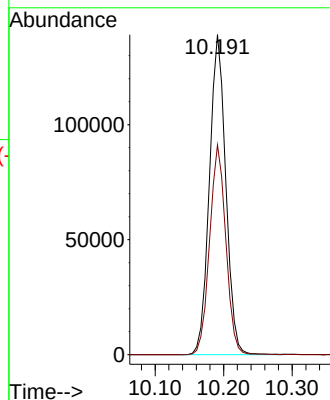
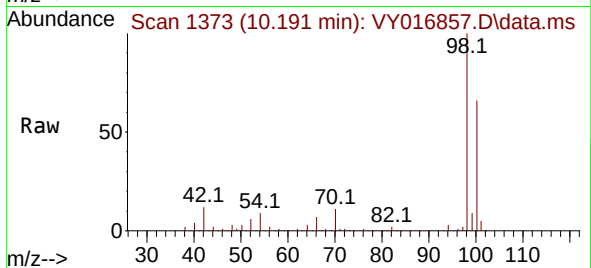
MR-317-0-2

Tgt Ion: 98 Resp: 231352

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 50.743 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016857.D

Acq: 26 Dec 2023 16:52

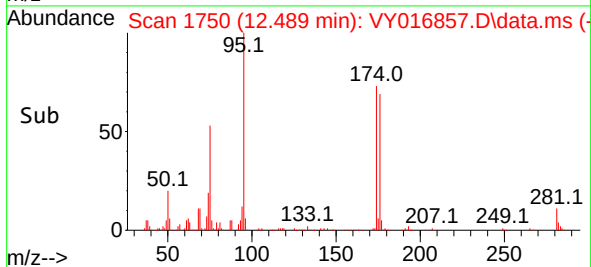
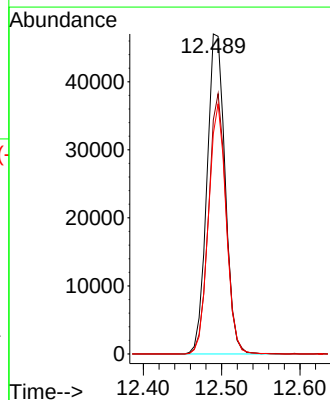
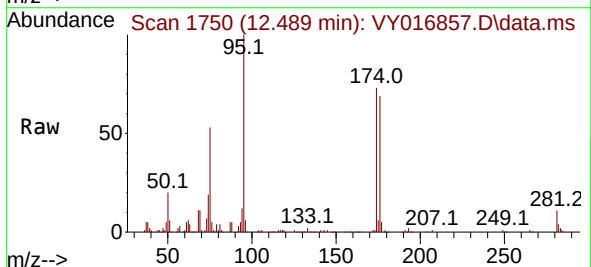
Tgt Ion: 95 Resp: 75760

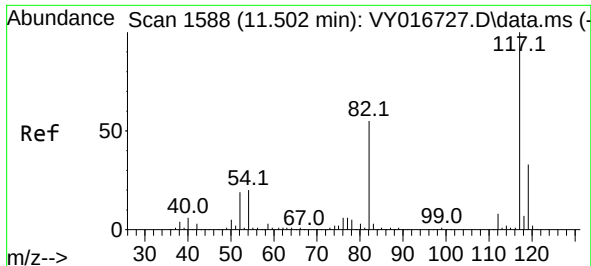
Ion Ratio Lower Upper

95 100

174 78.6 0.0 160.0

176 75.7 0.0 151.8

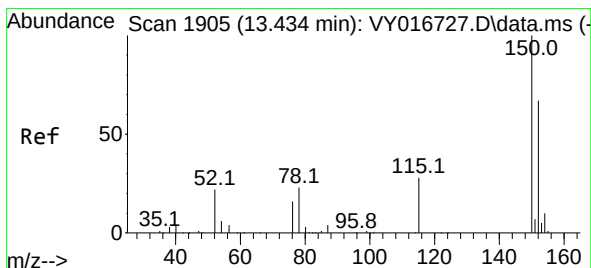
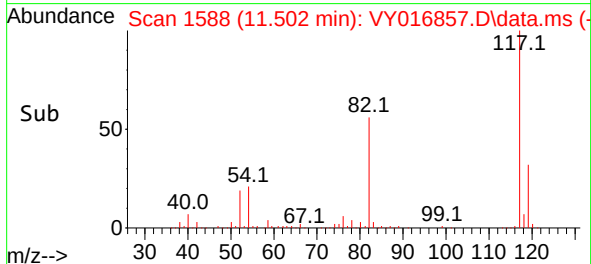
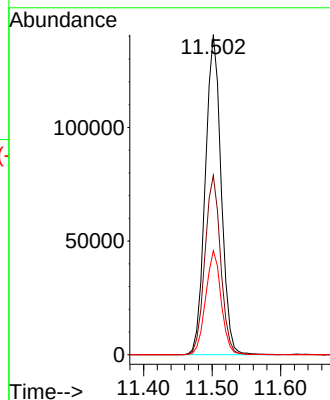
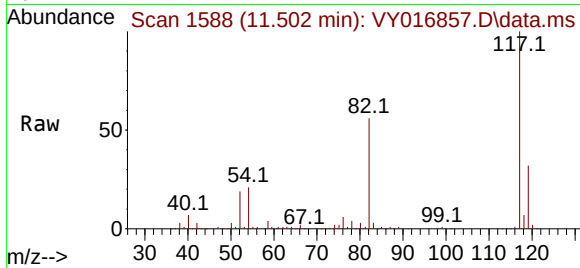




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY016857.D  
Acq: 26 Dec 2023 16:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MR-317-0-2

Tgt Ion:117 Resp: 226781  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.8 65.8  
119 32.5 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY016857.D  
Acq: 26 Dec 2023 16:52

Tgt Ion:152 Resp: 85317  
Ion Ratio Lower Upper  
152 100  
115 58.3 30.0 90.0  
150 158.3 0.0 344.6

