

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071824\  
 Data File : VY018860.D  
 Acq On : 18 Jul 2024 11:57  
 Operator : SY/MD  
 Sample : VY0718SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0718SBL01

Quant Time: Jul 19 01:37:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 91503    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 153905   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 142228   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 58750    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 45321    | 50.334   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.660% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 48034    | 49.831   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.660%  |
| 50) Toluene-d8              | 10.173 | 98    | 176646   | 48.370   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.740%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 57355    | 45.988   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.980%  |

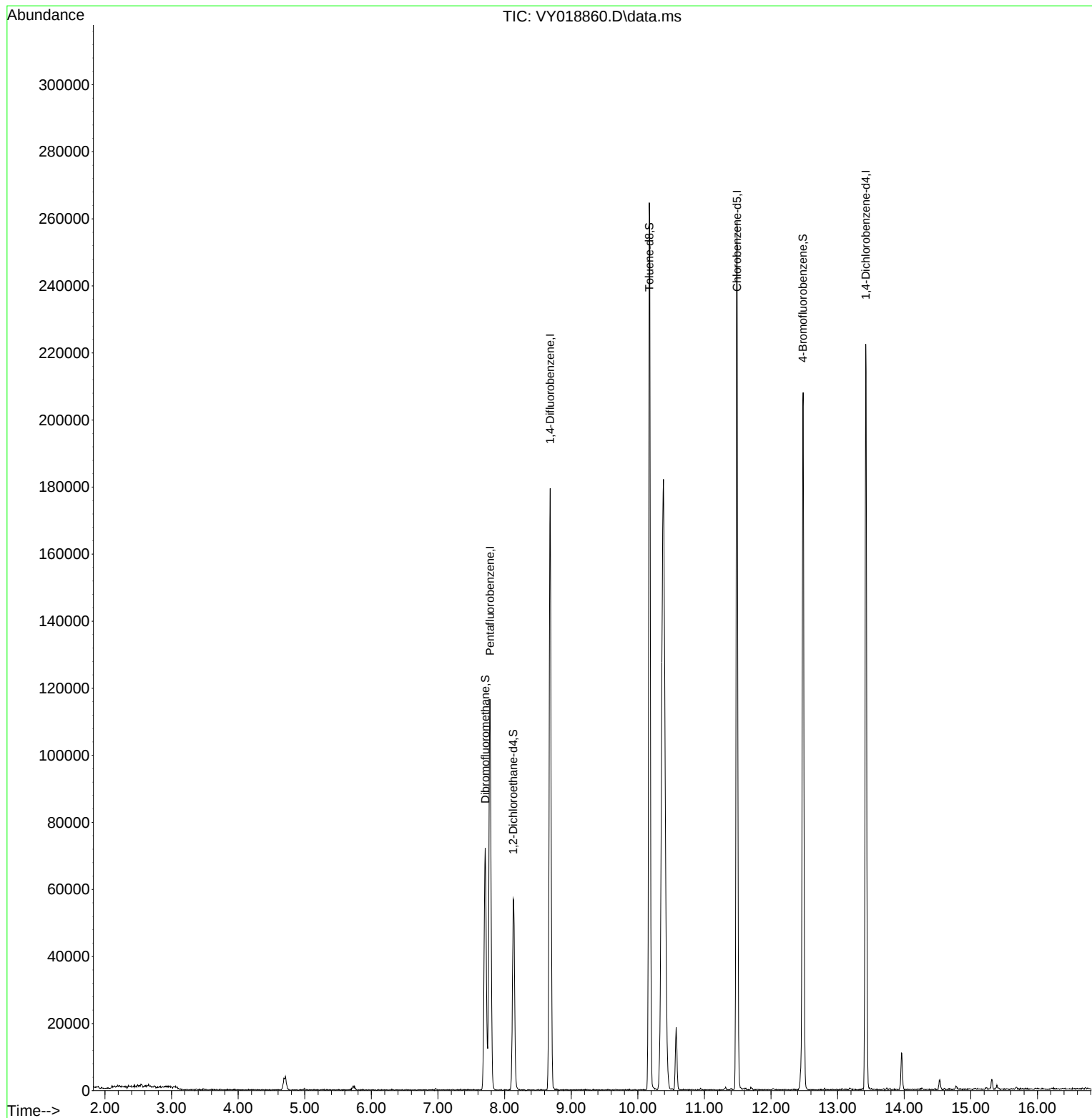
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

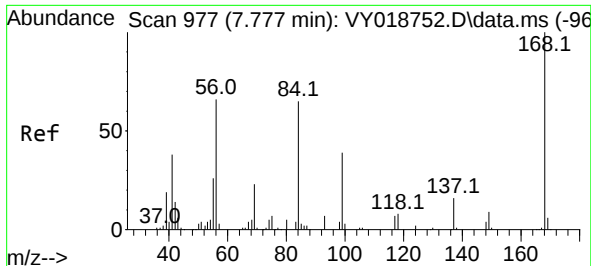
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration

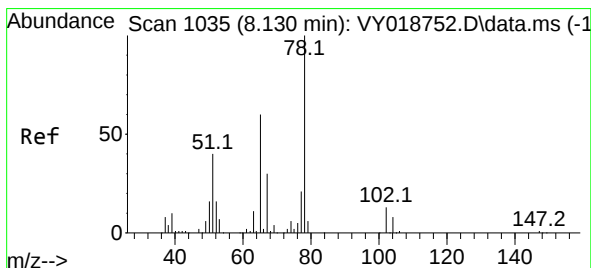
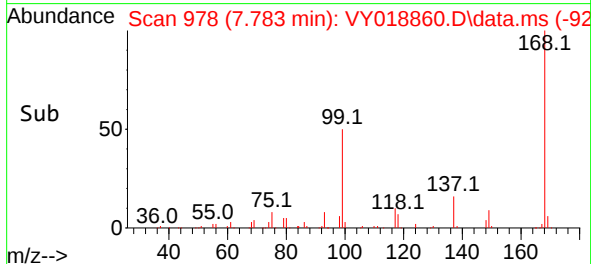
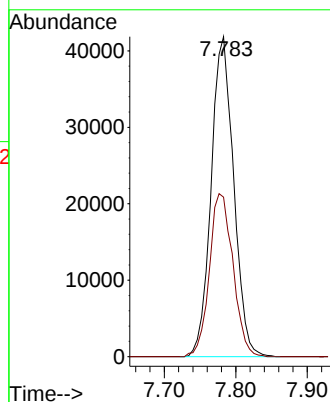
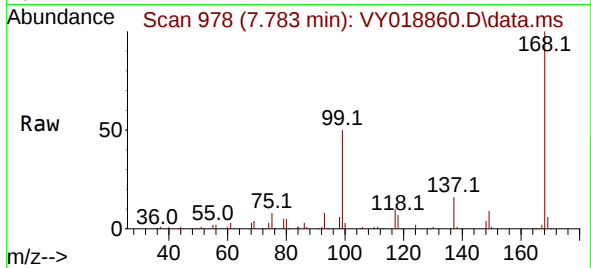




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018860.D  
Acq: 18 Jul 2024 11:57

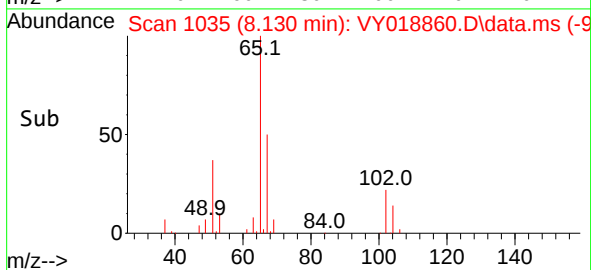
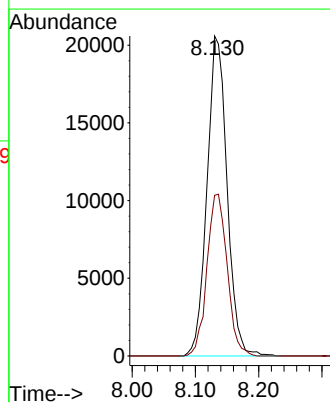
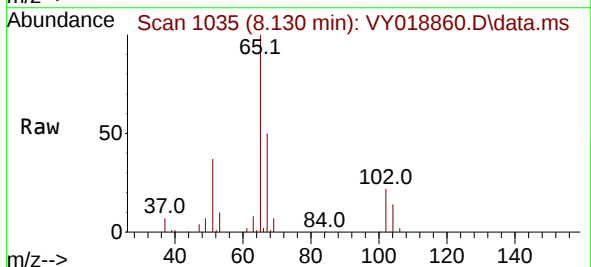
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0718SBL01

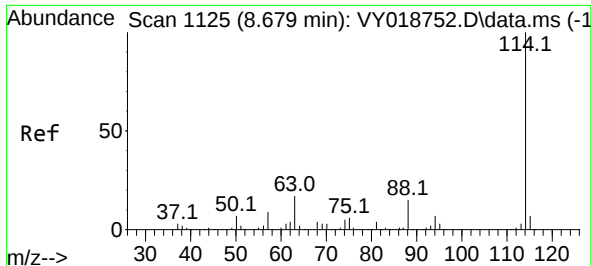
Tgt Ion:168 Resp: 91503  
Ion Ratio Lower Upper  
168 100  
99 49.8 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 50.334 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VY018860.D  
Acq: 18 Jul 2024 11:57

Tgt Ion: 65 Resp: 45321  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY018860.D

Acq: 18 Jul 2024 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

VY0718SBL01

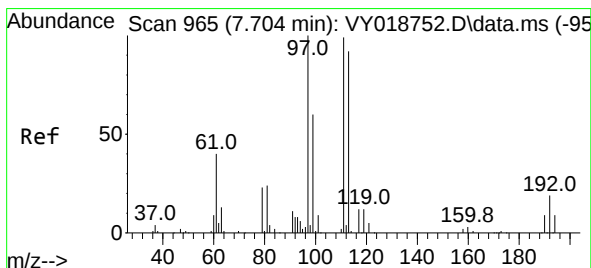
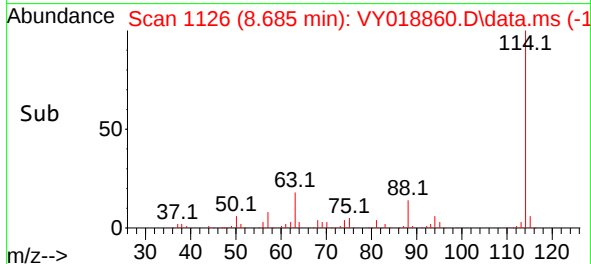
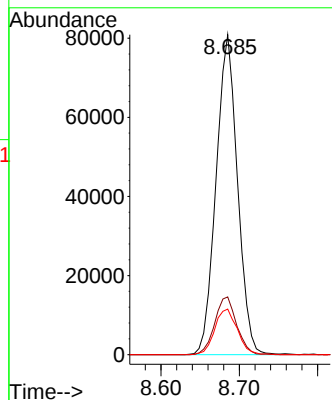
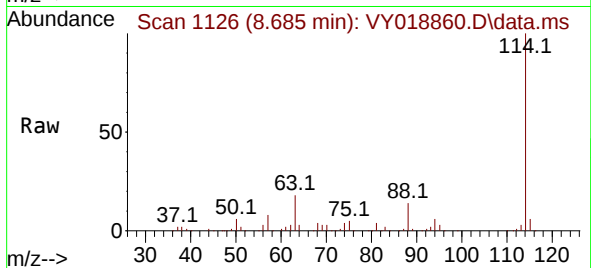
Tgt Ion:114 Resp: 153905

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.831 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018860.D

Acq: 18 Jul 2024 11:57

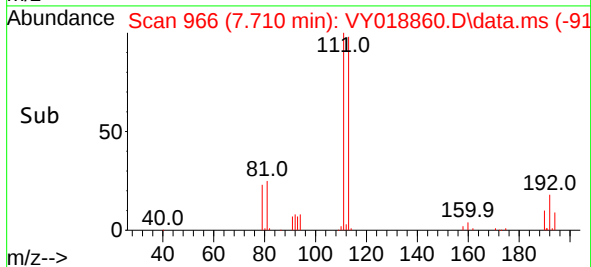
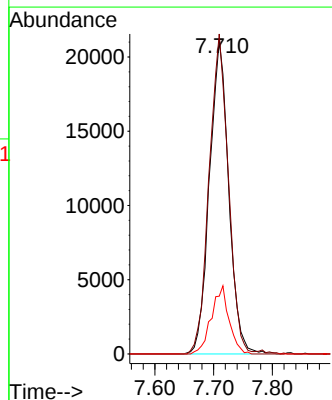
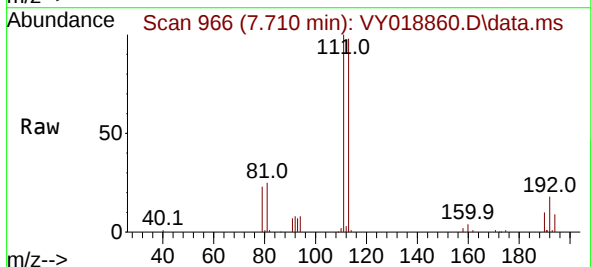
Tgt Ion:113 Resp: 48034

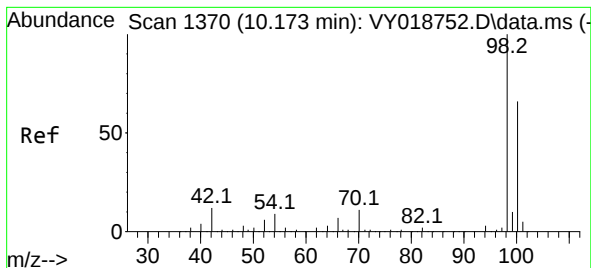
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 20.0 15.9 23.9





#50

Toluene-d8

Concen: 48.370 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018860.D

Acq: 18 Jul 2024 11:57

Instrument :

MSVOA\_Y

ClientSampleId :

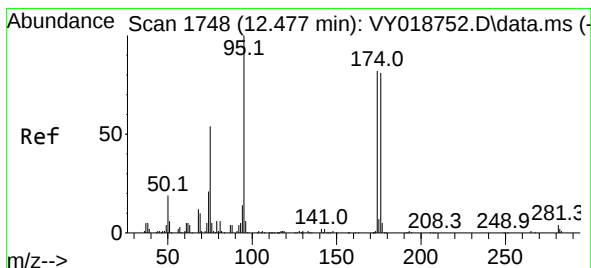
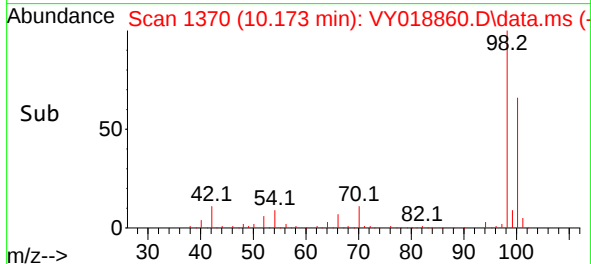
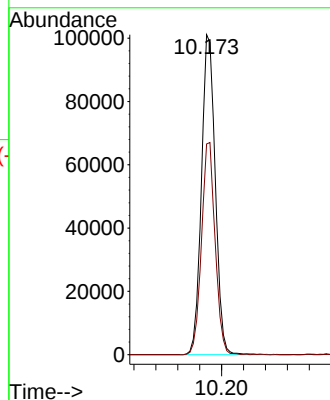
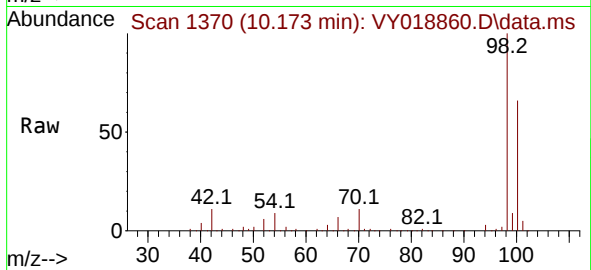
VY0718SBL01

Tgt Ion: 98 Resp: 176646

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.988 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY018860.D

Acq: 18 Jul 2024 11:57

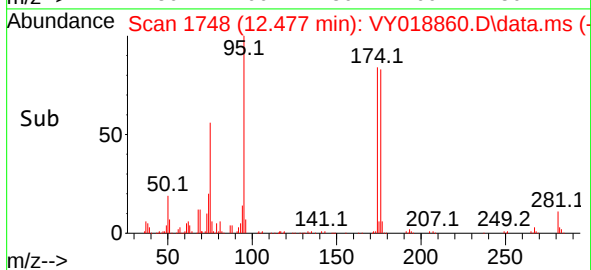
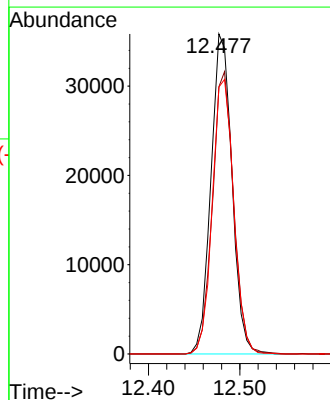
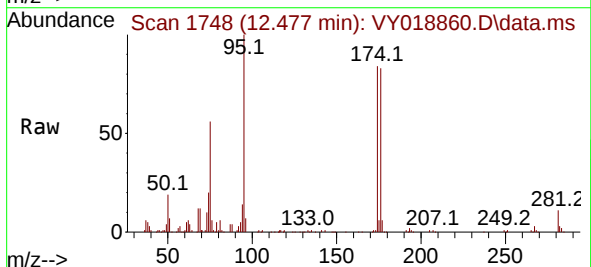
Tgt Ion: 95 Resp: 57355

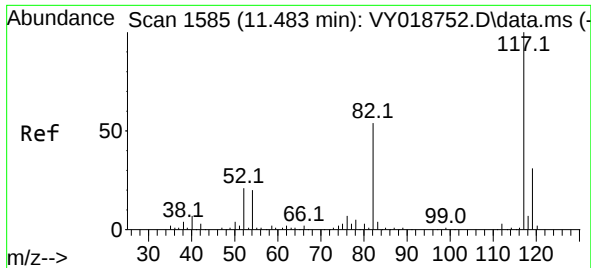
Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.6

176 87.4 0.0 171.4

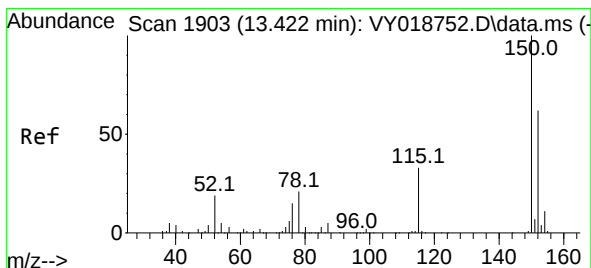
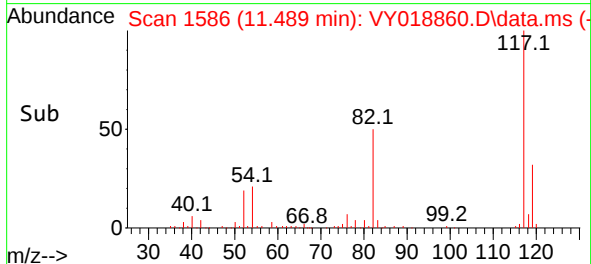
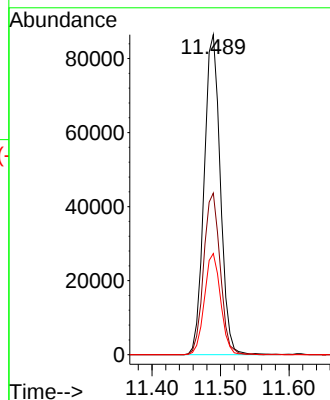
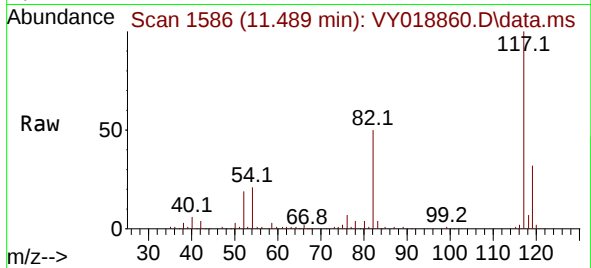




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018860.D  
Acq: 18 Jul 2024 11:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0718SBL01

Tgt Ion:117 Resp: 142228  
Ion Ratio Lower Upper  
117 100  
82 50.5 42.4 63.6  
119 31.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018860.D  
Acq: 18 Jul 2024 11:57

Tgt Ion:152 Resp: 58750  
Ion Ratio Lower Upper  
152 100  
115 59.8 28.2 84.7  
150 155.1 0.0 345.6

