

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050224\  
 Data File : VY018112.D  
 Acq On : 02 May 2024 13:19  
 Operator : SY/MD  
 Sample : P2323-04  
 Misc : 5.39g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

Quant Time: May 02 23:02:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 16:21:20 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.782  | 168   | 294278   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 516863   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 453784   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 178848   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 117819   | 50.793   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.580% |
| 35) Dibromofluoromethane    | 7.709  | 113   | 147979   | 49.820   | ug/l  | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 99.640%  |
| 50) Toluene-d8              | 10.178 | 98    | 569823   | 49.141   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 98.280%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 179342   | 44.942   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 89.880%  |

Target Compounds Qvalue

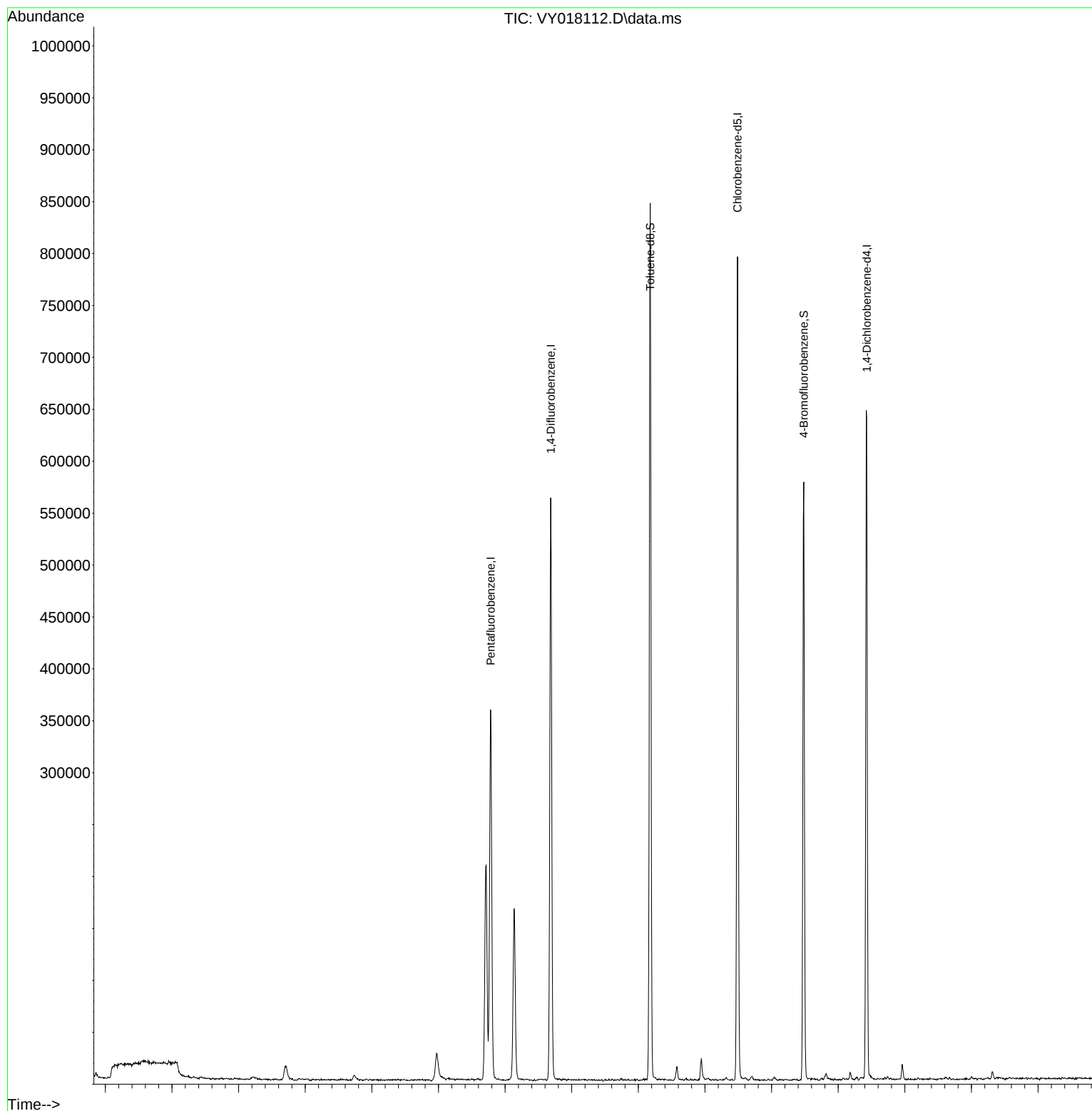
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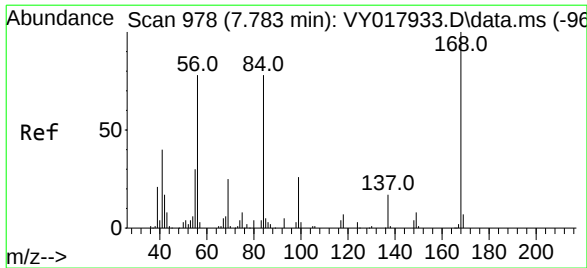
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 01 16:21:20 2024  
Response via : Initial Calibration

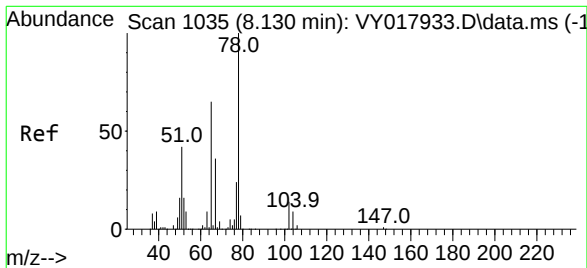
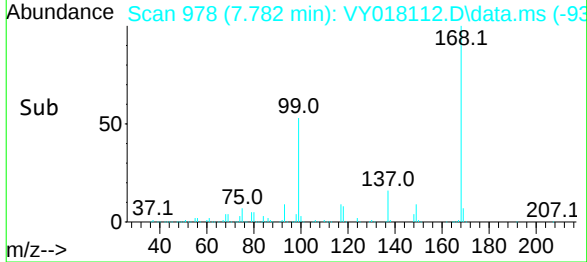
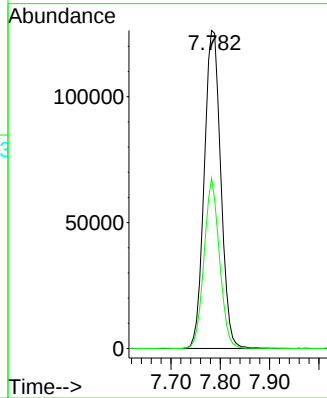
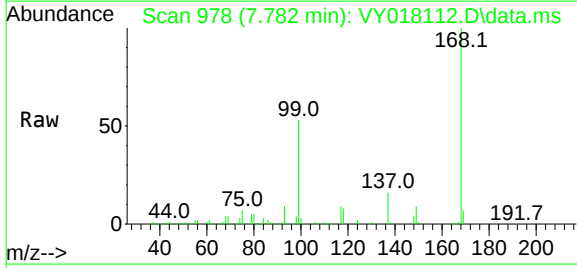




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 97  
Delta R.T. -0.007 min  
Lab File: VY018112.D  
Acq: 02 May 2024 13:19

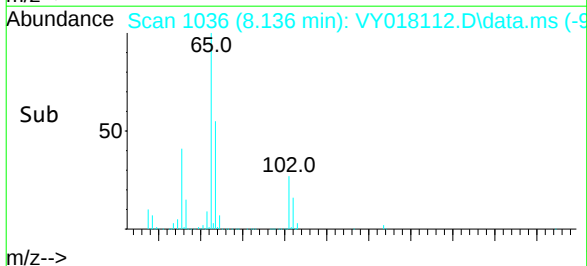
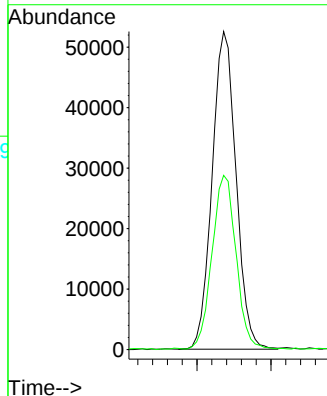
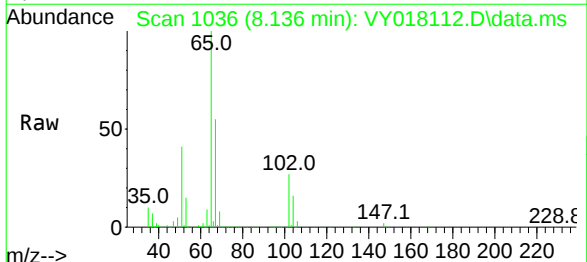
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-2

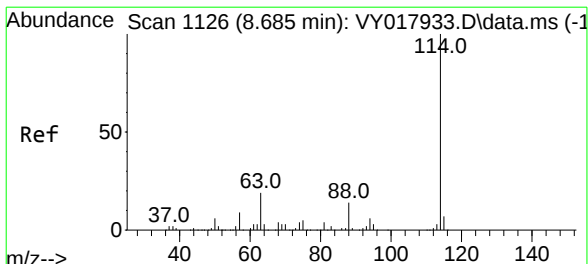
Tgt Ion:168 Resp: 294278  
Ion Ratio Lower Upper  
168 100  
99 53.5 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 50.793 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY018112.D  
Acq: 02 May 2024 13:19

Tgt Ion: 65 Resp: 117819  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 109.6

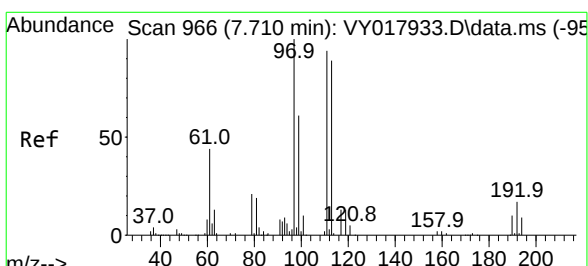
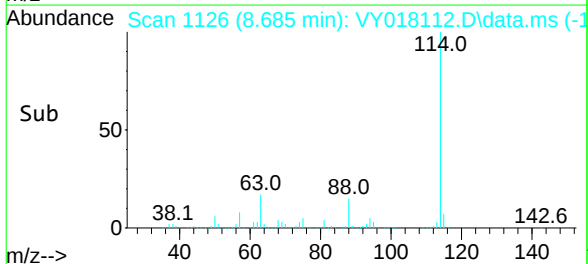
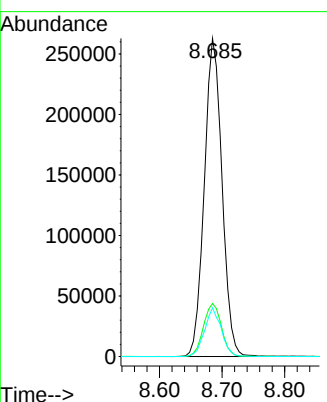
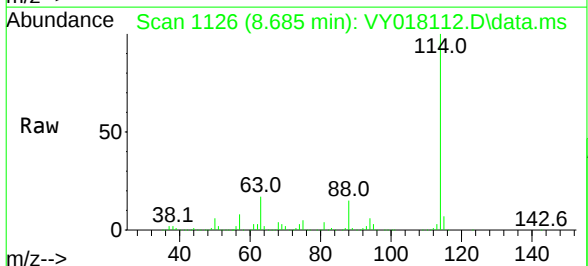




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VY018112.D  
 Acq: 02 May 2024 13:19

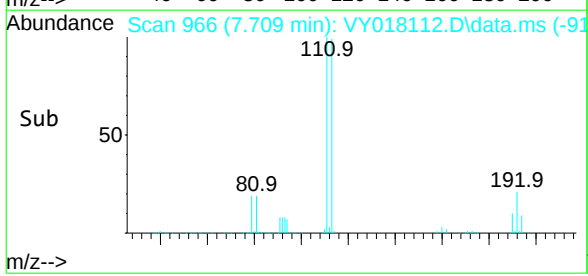
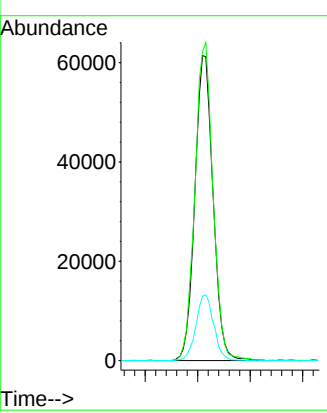
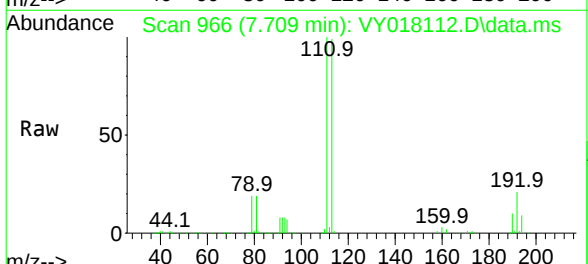
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

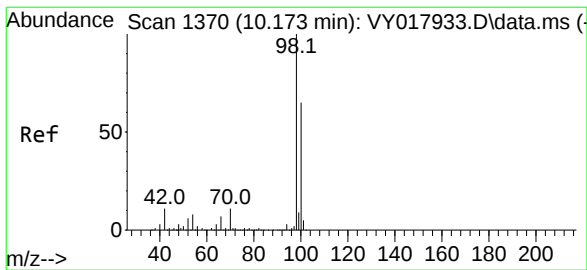
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 516863 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 16.6  | 0.0   | 35.0   |
| 88       | 15.3  | 0.0   | 27.2   |



#35  
 Dibromofluoromethane  
 Concen: 49.820 ug/l  
 RT: 7.709 min Scan# 966  
 Delta R.T. -0.013 min  
 Lab File: VY018112.D  
 Acq: 02 May 2024 13:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 147979 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.9 | 82.2  | 123.4  |
| 192      | 21.1  | 15.9  | 23.9   |





#50

Toluene-d8

Concen: 49.141 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY018112.D

Acq: 02 May 2024 13:19

Instrument :

MSVOA\_Y

ClientSampleId :

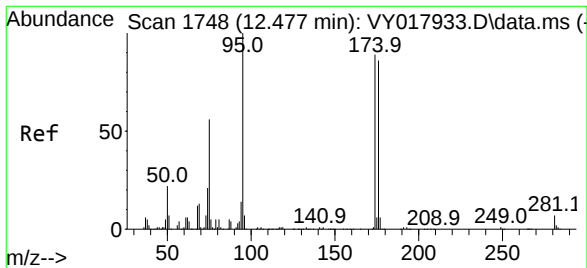
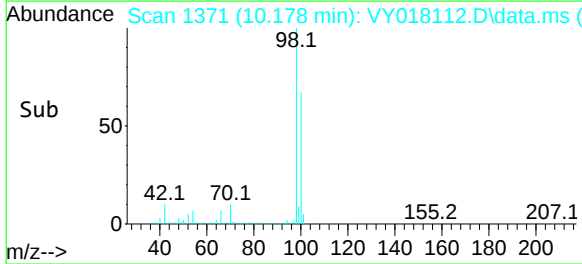
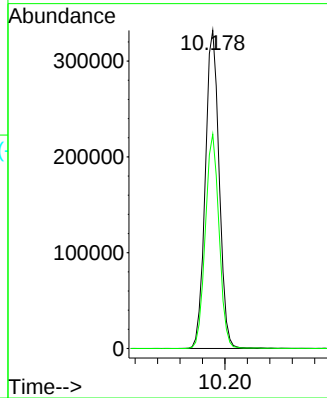
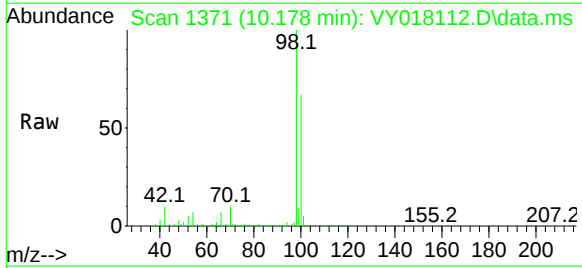
TP-2

Tgt Ion: 98 Resp: 569823

Ion Ratio Lower Upper

98 100

100 66.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 44.942 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY018112.D

Acq: 02 May 2024 13:19

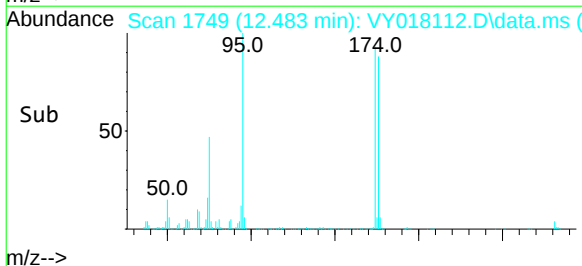
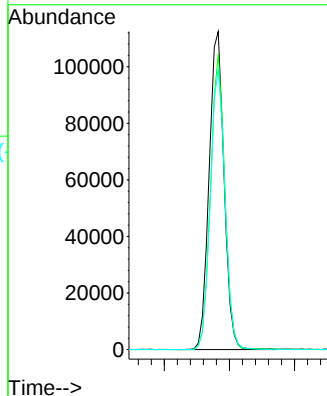
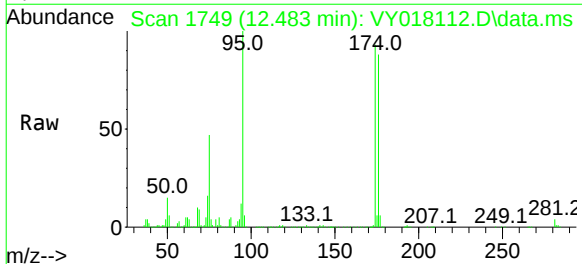
Tgt Ion: 95 Resp: 179342

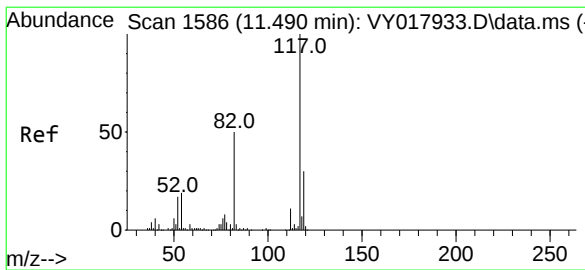
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.6

176 86.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 15

Delta R.T. 0.000 min

Lab File: VY018112.D

Acq: 02 May 2024 13:19

Instrument :

MSVOA\_Y

ClientSampleId :

TP-2

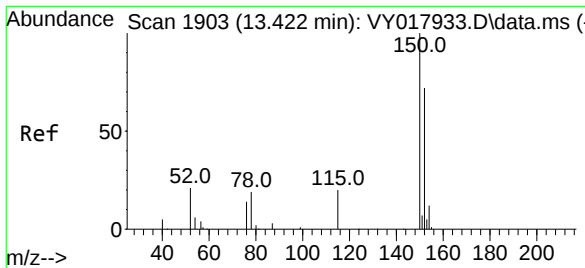
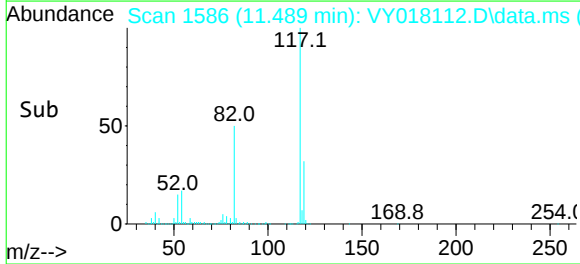
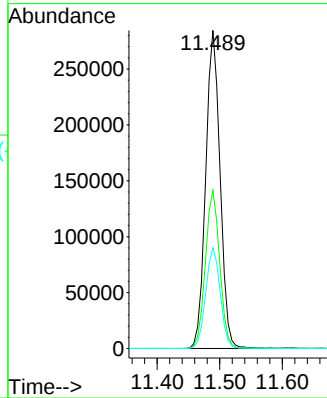
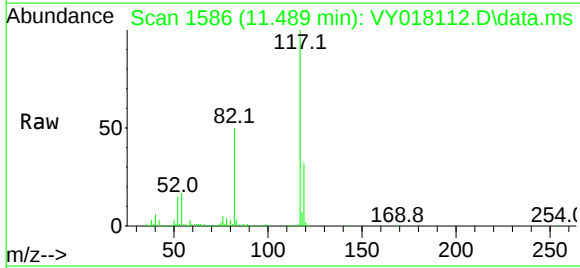
Tgt Ion:117 Resp: 453784

Ion Ratio Lower Upper

117 100

82 49.7 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY018112.D

Acq: 02 May 2024 13:19

Tgt Ion:152 Resp: 178848

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 158.2 0.0 345.6

