

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050324\  
 Data File : VY018147.D  
 Acq On : 03 May 2024 16:57  
 Operator : SY/MD  
 Sample : P2331-09  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-3

Quant Time: May 06 03:00:40 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       | 7.783  | 168   | 1808     | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 3919     | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 2851     | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 334      | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 1244     | 87.290   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 174.580%# |
| 35) Dibromofluoromethane    | 7.710  | 113   | 1191     | 52.883   | ug/l  | -0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.760%  |
| 50) Toluene-d8              | 10.179 | 98    | 4245     | 48.282   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 96.560%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 691      | 22.837   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 45.680%   |

Target Compounds Qvalue

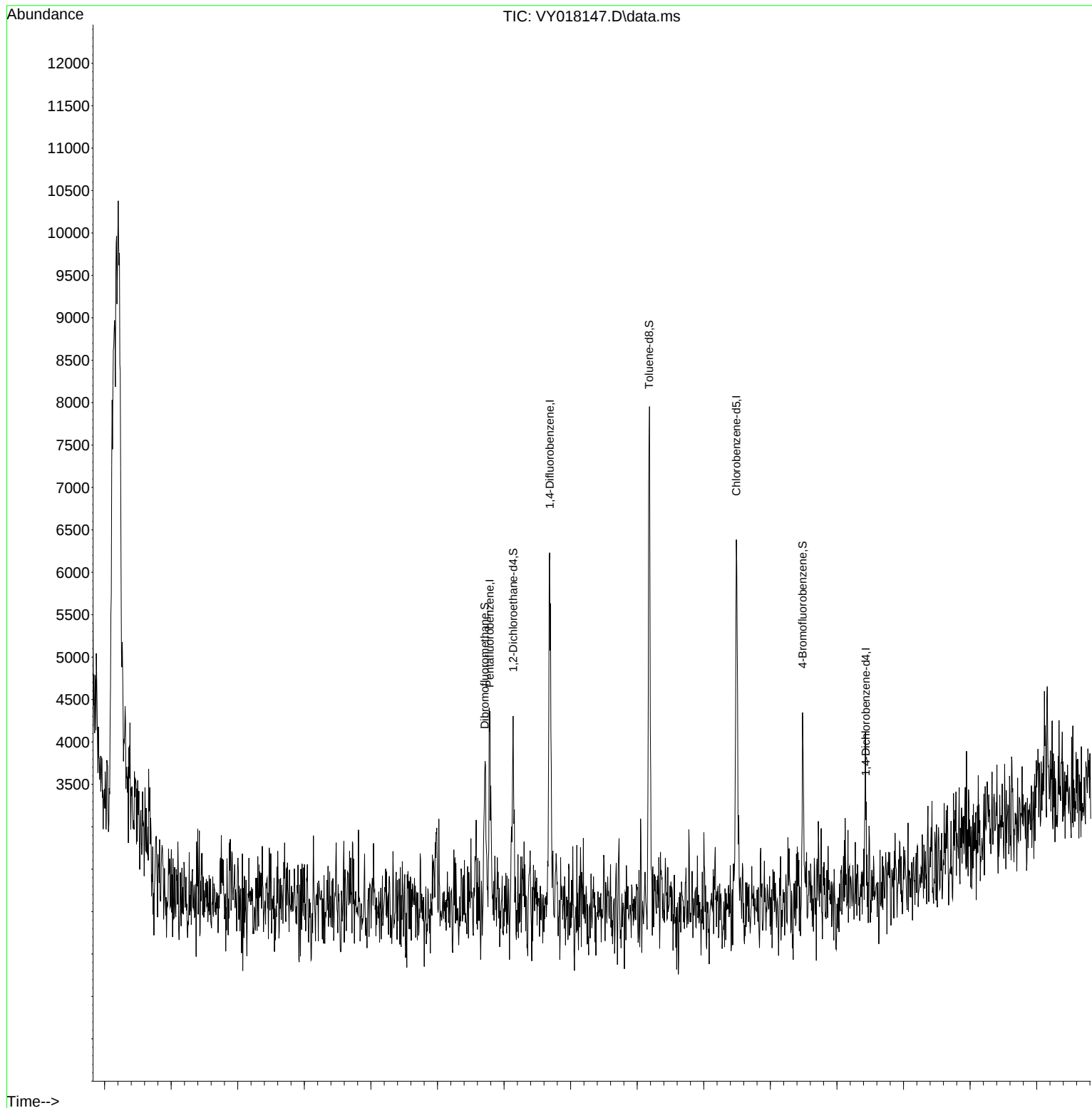
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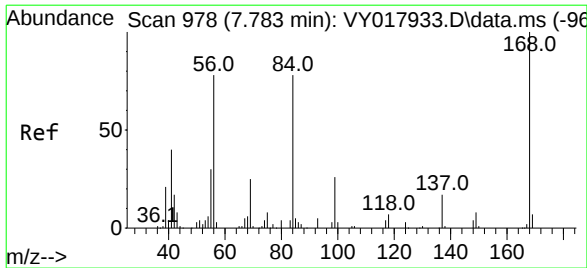
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-3

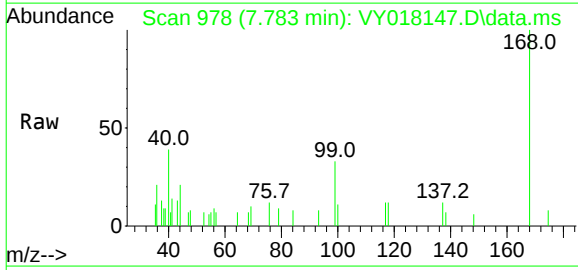
Quant Time: May 06 03:00:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 16:21:20 2024  
Response via : Initial Calibration



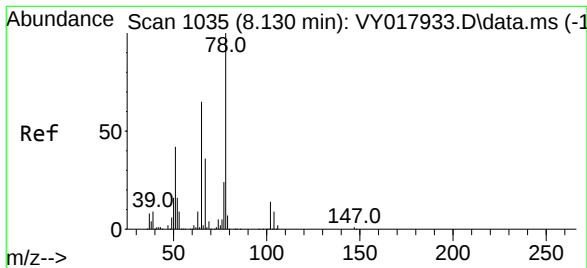
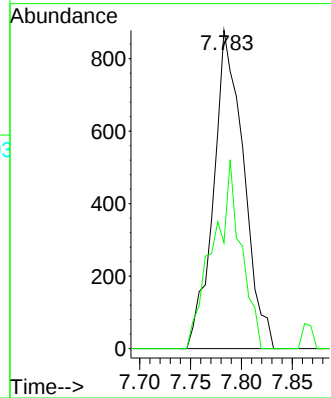
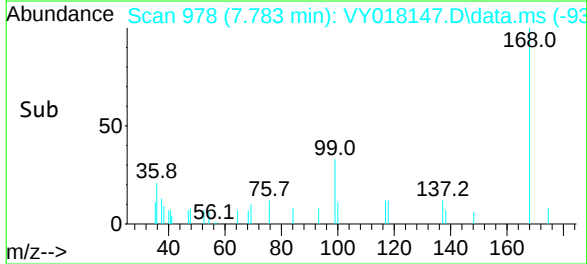


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 97  
Delta R.T. -0.006 min  
Lab File: VY018147.D  
Acq: 03 May 2024 16:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

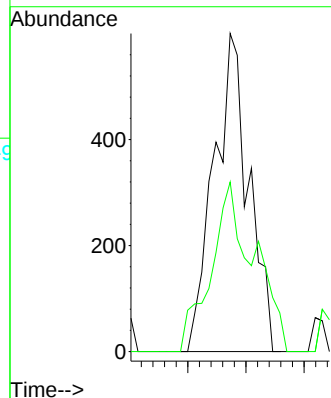
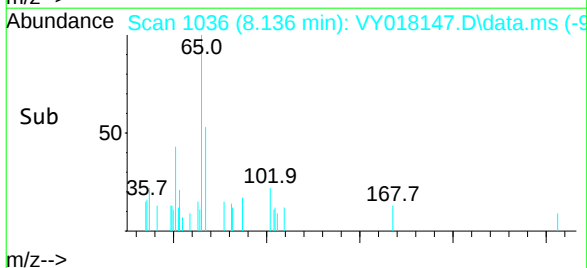
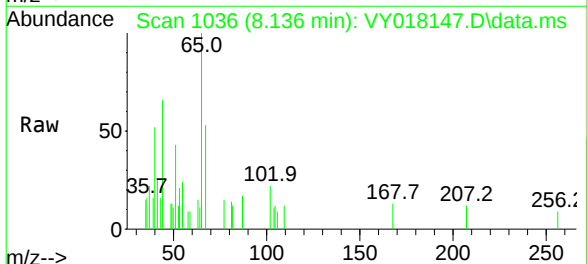


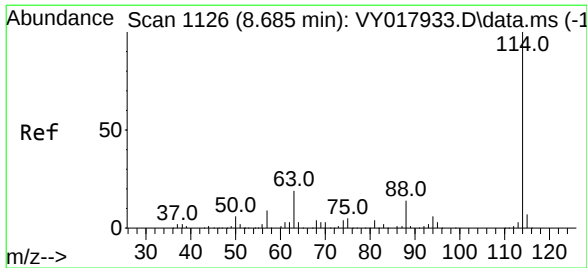
Tgt Ion:168 Resp: 1808  
Ion Ratio Lower Upper  
168 100  
99 33.3 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 87.290 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY018147.D  
Acq: 03 May 2024 16:57

Tgt Ion: 65 Resp: 1244  
Ion Ratio Lower Upper  
65 100  
67 66.1 0.0 109.6

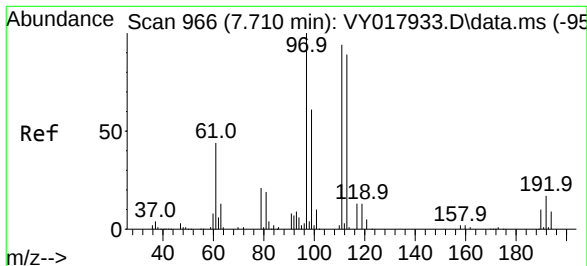
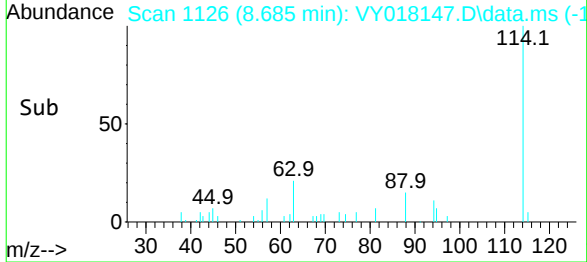
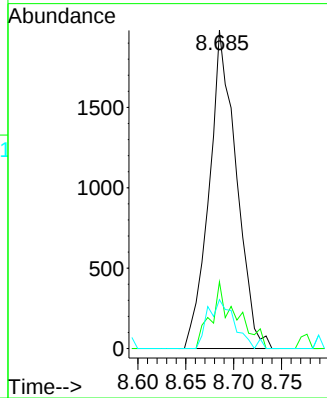
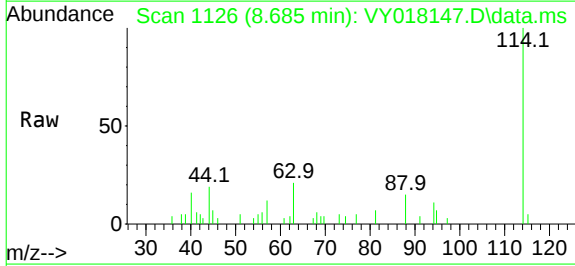




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY018147.D  
Acq: 03 May 2024 16:57

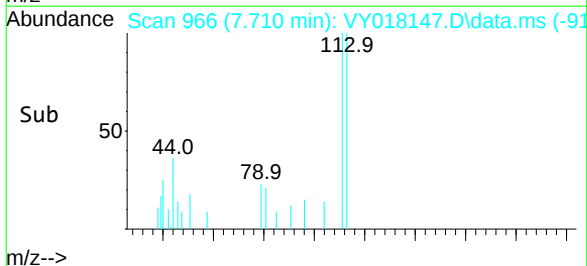
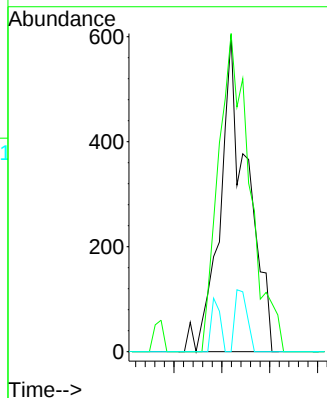
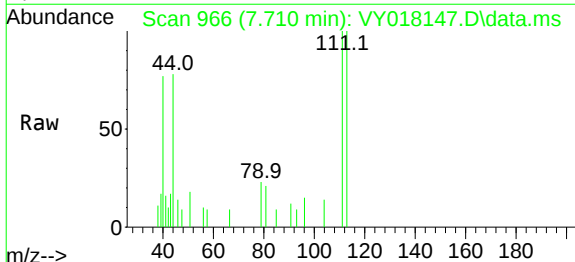
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-3

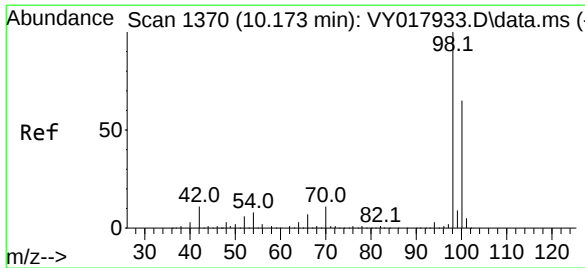
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 3919  |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 21.0  | 0.0   | 35.0  |
| 88       | 15.4  | 0.0   | 27.2  |



#35  
Dibromofluoromethane  
Concen: 52.883 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.012 min  
Lab File: VY018147.D  
Acq: 03 May 2024 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 1191  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 116.5 | 82.2  | 123.4 |
| 192      | 8.8   | 15.9  | 23.9  |





#50

Toluene-d8

Concen: 48.282 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018147.D

Acq: 03 May 2024 16:57

Instrument :

MSVOA\_Y

ClientSampleId :

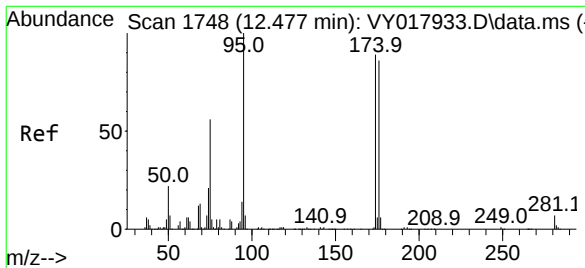
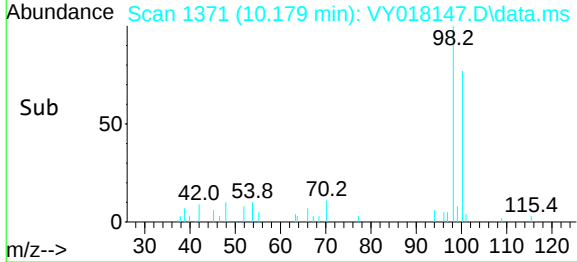
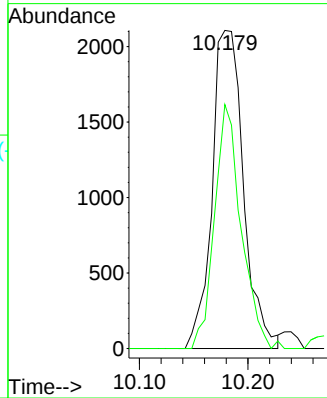
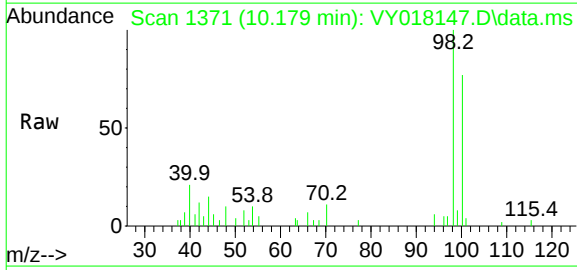
TP-3

Tgt Ion: 98 Resp: 4245

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 22.837 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018147.D

Acq: 03 May 2024 16:57

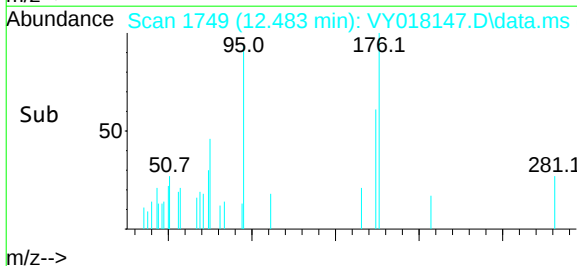
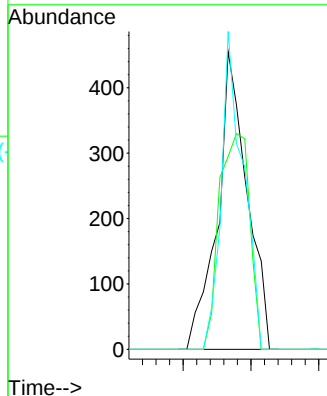
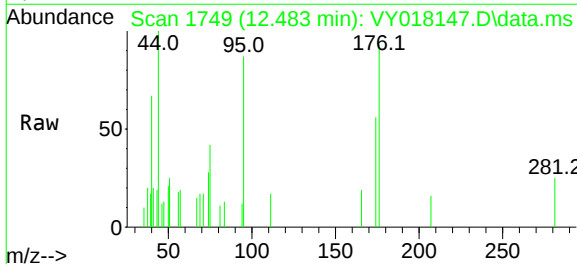
Tgt Ion: 95 Resp: 691

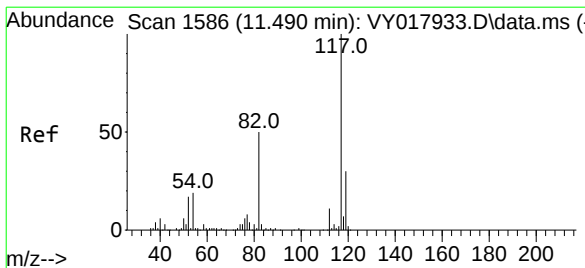
Ion Ratio Lower Upper

95 100

174 74.1 0.0 175.6

176 78.7 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: VY018147.D

Acq: 03 May 2024 16:57

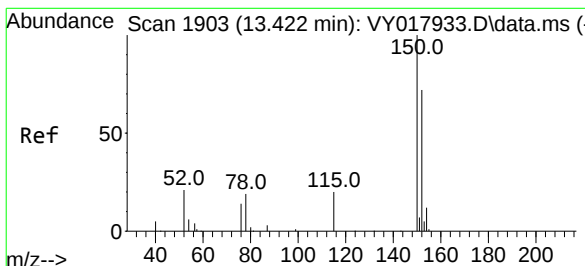
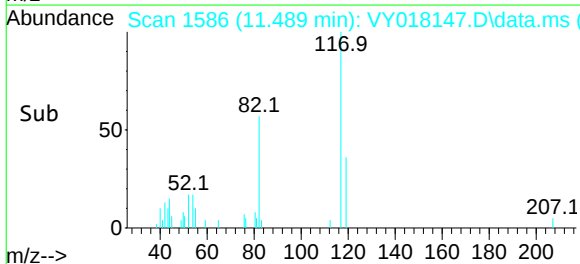
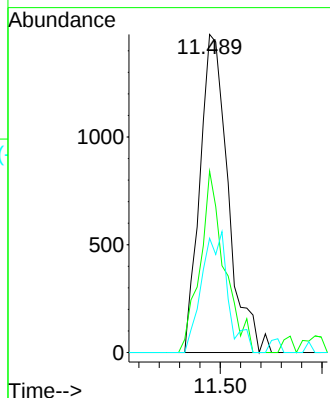
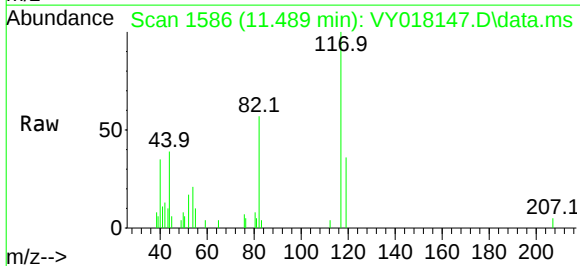
Instrument :

MSVOA\_Y

ClientSampleId :

TP-3

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 2851  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 57.0  | 42.4  | 63.6  |
| 119      | 35.9  | 25.9  | 38.9  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY018147.D

Acq: 03 May 2024 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 334   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 74.3  | 28.2  | 84.7  |
| 150      | 212.0 | 0.0   | 345.6 |

