

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112524\  
 Data File : VY020433.D  
 Acq On : 25 Nov 2024 16:34  
 Operator : SY/MD  
 Sample : P4960-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW1

Quant Time: Nov 26 00:46:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 109399   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 194375   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 172874   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 63892    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 56243    | 44.749   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 89.500%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 58498    | 46.934   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 93.860%  |
| 50) Toluene-d8              | 10.109 | 98    | 234045   | 47.669   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 95.340%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 71110    | 45.054   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 90.100%  |

Target Compounds Qvalue

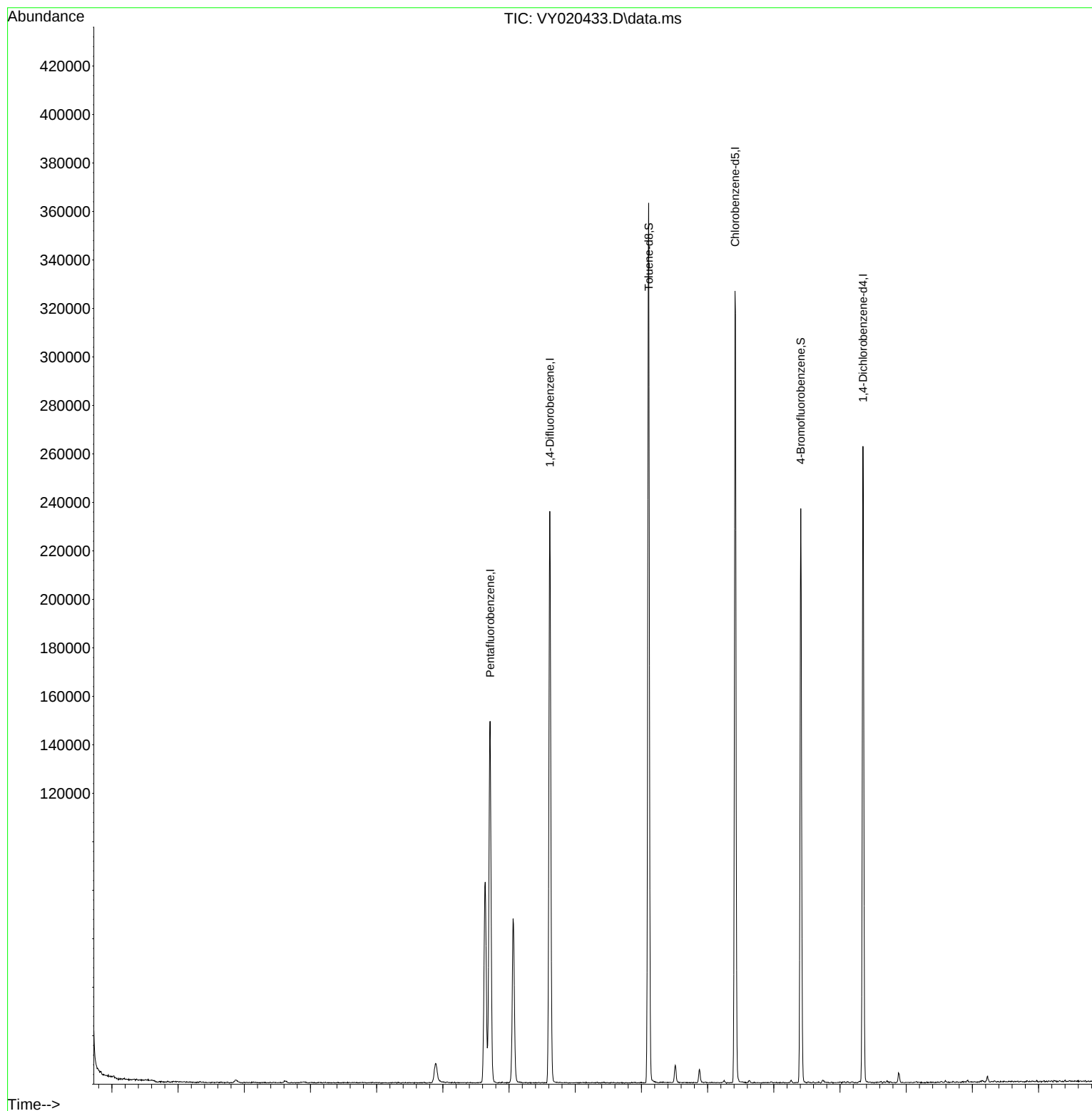
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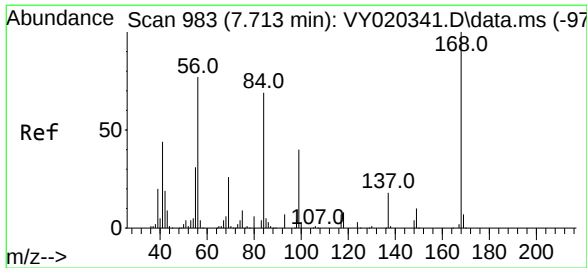
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW1

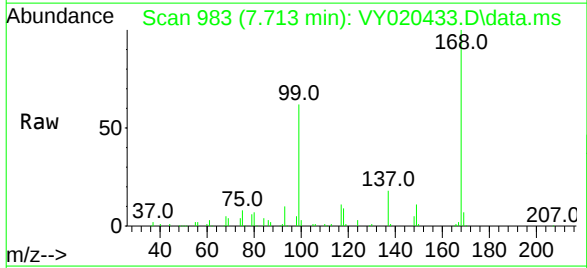
Quant Time: Nov 26 00:46:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration



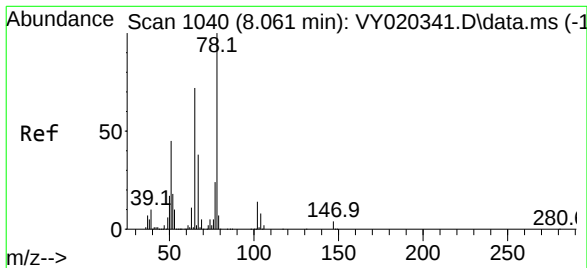
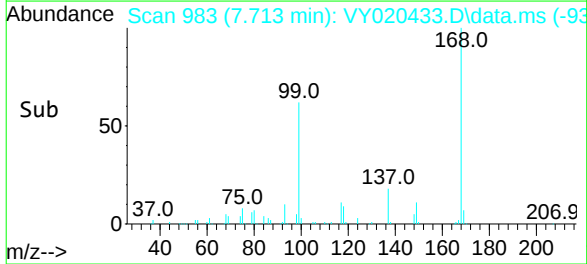
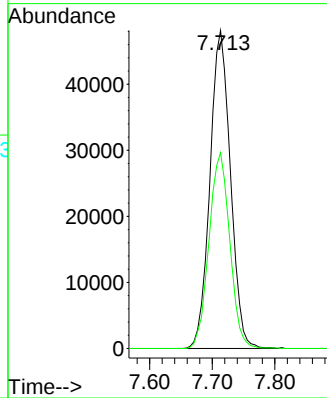


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 98  
Delta R.T. 0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SW1

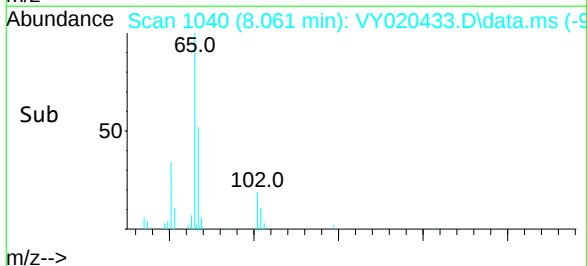
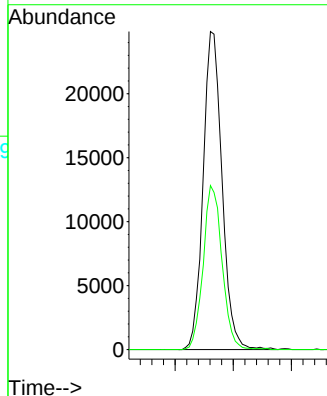
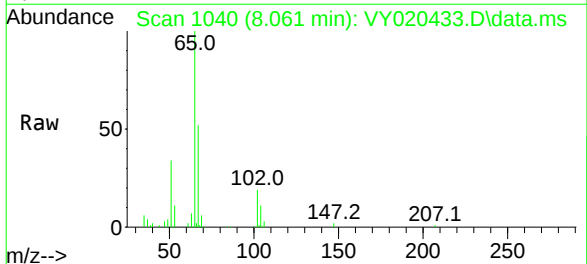


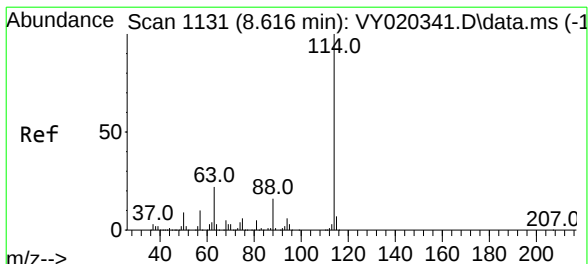
Tgt Ion:168 Resp: 109399  
Ion Ratio Lower Upper  
168 100  
99 61.6 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 44.749 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Tgt Ion: 65 Resp: 56243  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 105.8

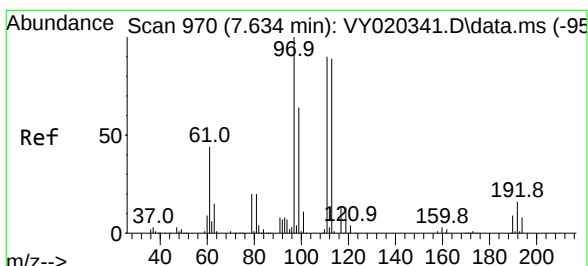
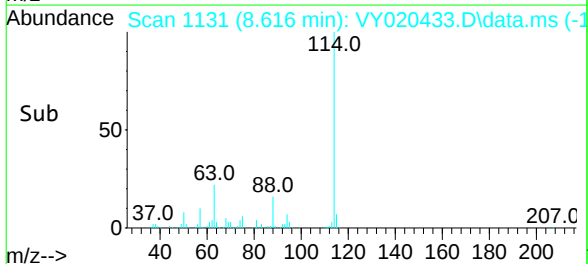
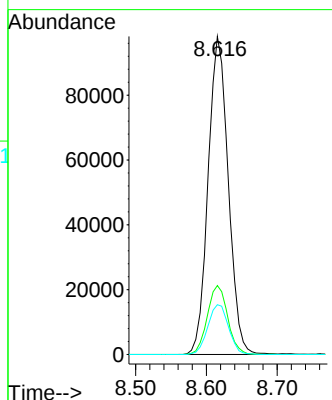
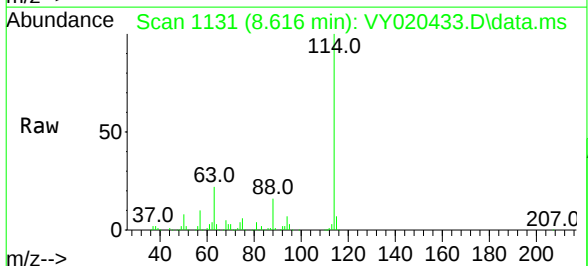




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. -0.000 min  
 Lab File: VY020433.D  
 Acq: 25 Nov 2024 16:34

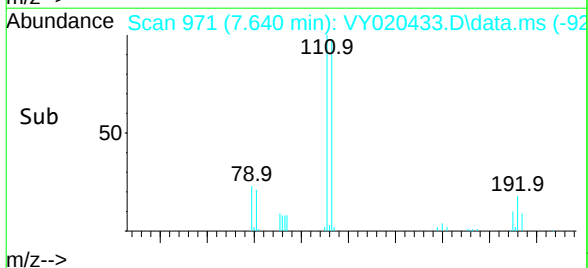
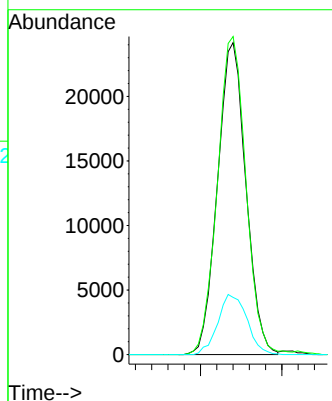
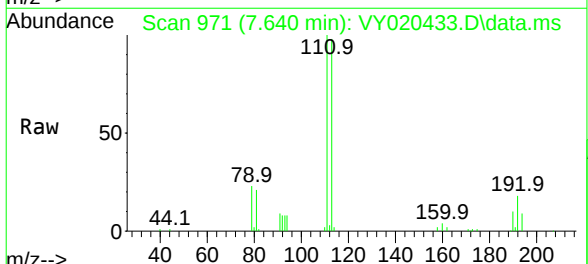
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SW1

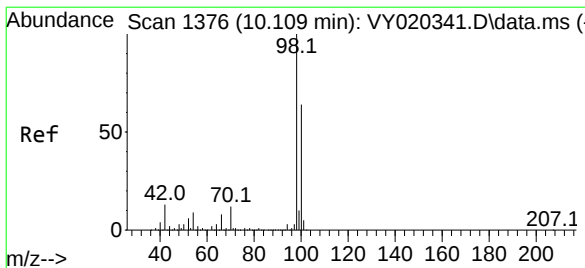
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 194375 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.7  | 0.0   | 44.8   |
| 88        | 15.7  | 0.0   | 32.0   |



#35  
 Dibromofluoromethane  
 Concen: 46.934 ug/l  
 RT: 7.640 min Scan# 971  
 Delta R.T. 0.006 min  
 Lab File: VY020433.D  
 Acq: 25 Nov 2024 16:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 58498 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 102.4 | 81.4  | 122.0 |
| 192       | 19.8  | 15.1  | 22.7  |





#50

Toluene-d8

Concen: 47.669 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

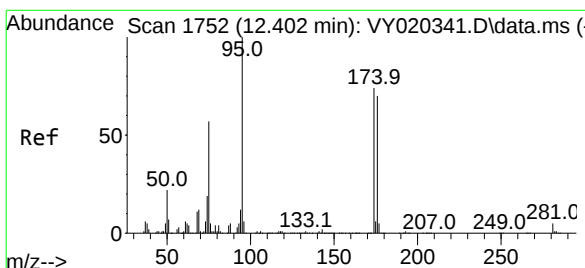
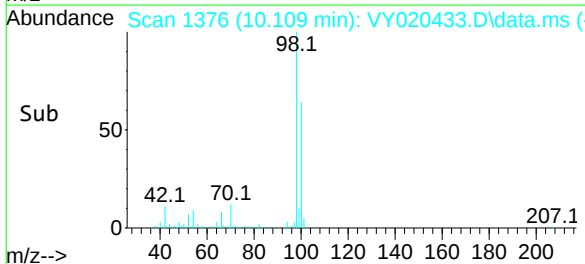
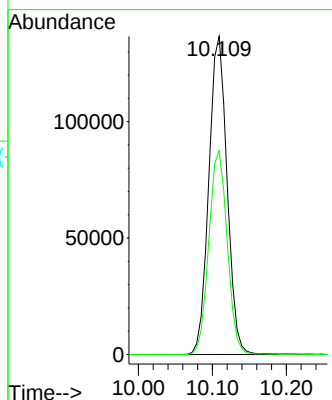
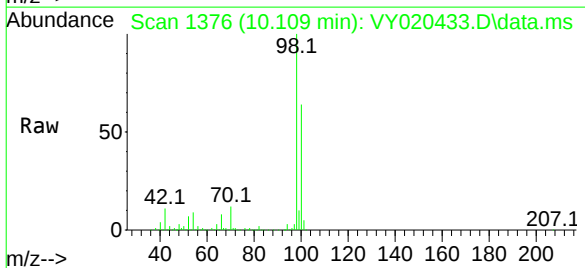
SW1

Tgt Ion: 98 Resp: 234045

Ion Ratio Lower Upper

98 100

100 64.8 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 45.054 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

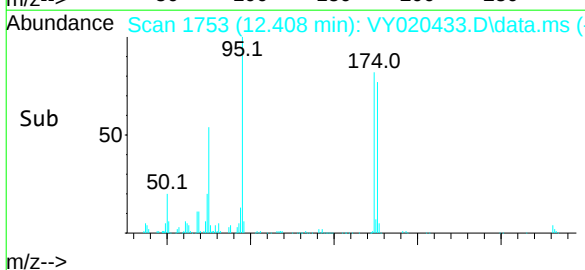
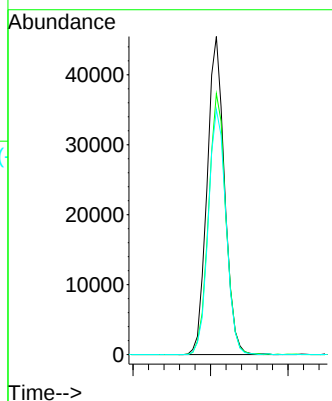
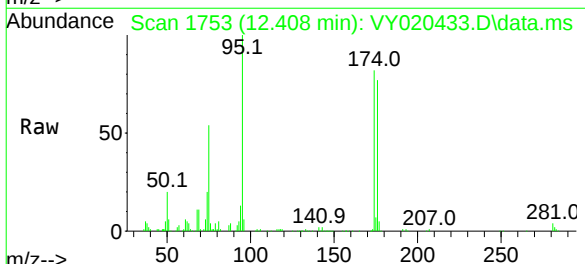
Tgt Ion: 95 Resp: 71110

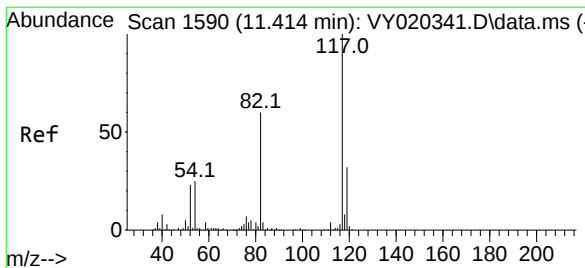
Ion Ratio Lower Upper

95 100

174 81.4 0.0 156.8

176 78.0 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

SW1

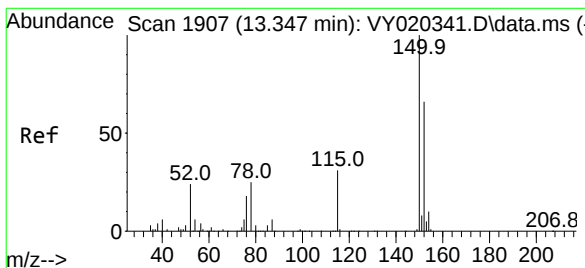
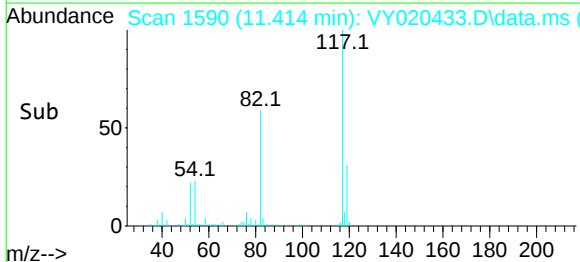
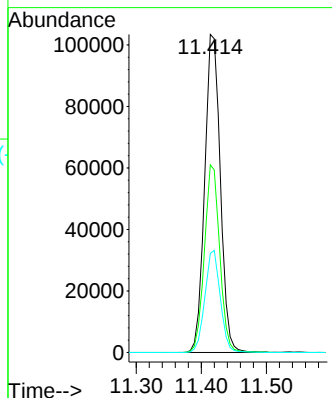
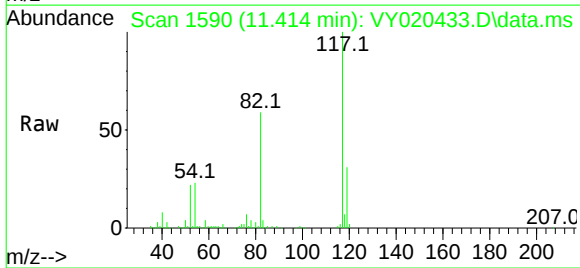
Tgt Ion:117 Resp: 172874

Ion Ratio Lower Upper

117 100

82 59.0 48.2 72.4

119 31.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

Tgt Ion:152 Resp: 63892

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 158.3 0.0 348.2

