

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112724\  
 Data File : VY020461.D  
 Acq On : 27 Nov 2024 13:20  
 Operator : SY/MD  
 Sample : P5005-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 STOCK-PILE

Quant Time: Nov 28 00:59:55 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   | 1696     | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.622  | 114   | 2829     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 1817     | 50.000   | ug/l       | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 321      | 50.000   | ug/l       | # 0.00   |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 1165     | 59.789   | ug/l       | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 119.580% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 957      | 52.755   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.520% |          |
| 50) Toluene-d8              | 10.115 | 98    | 2856     | 39.967   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 79.940%  |          |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 323      | 14.061   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 28.120%# |          |

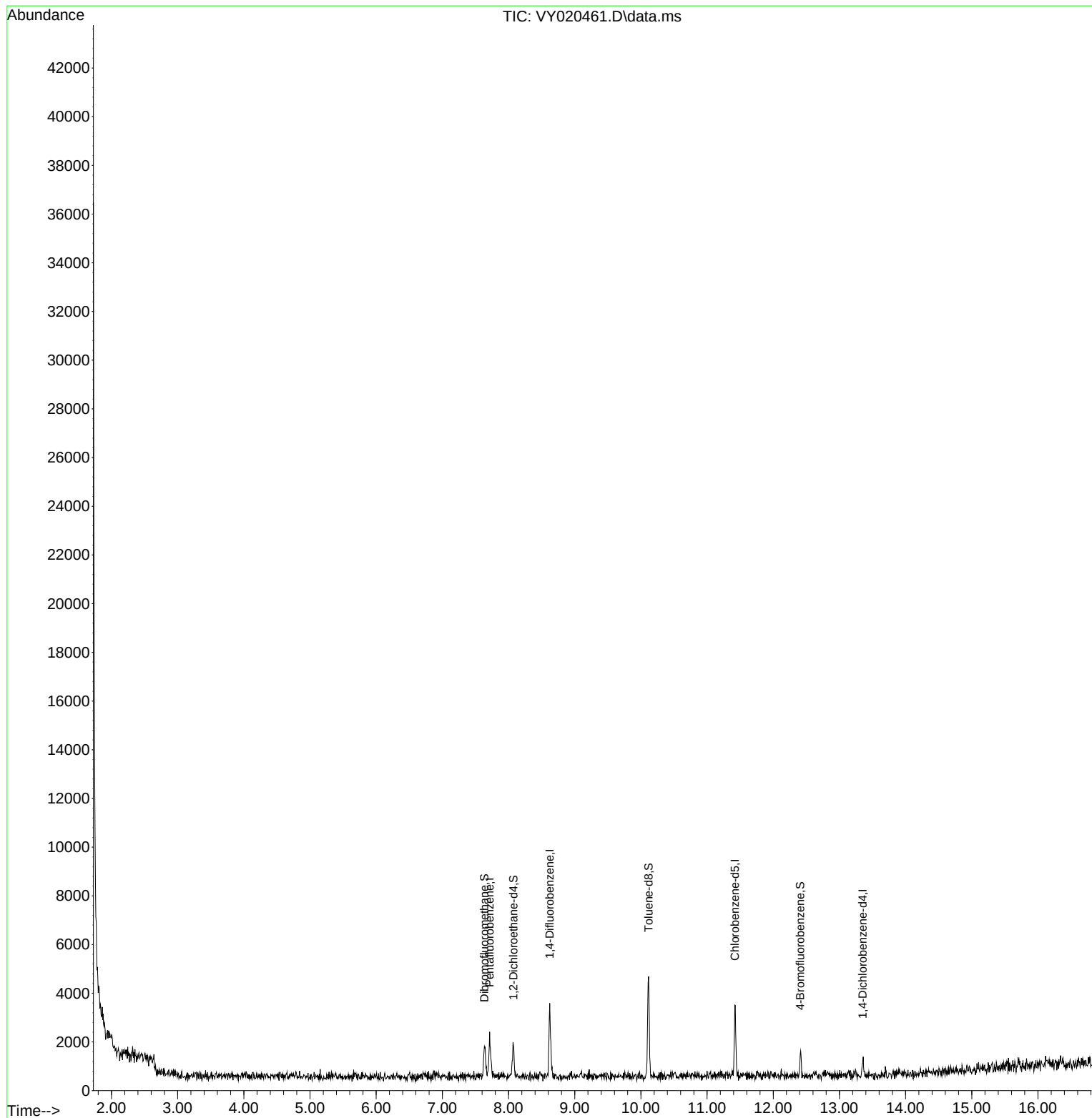
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

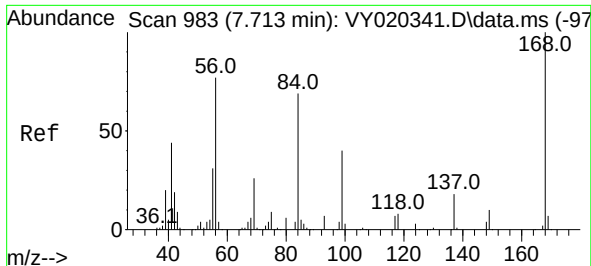
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A\_Y\Data\VY112724\  
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Sample : P5005-01  
Misc : 5.07g/5.0mL/MSV0A\_Y/SOIL/A  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSV0A\_Y  
ClientSampleId :  
STOCK-PILE

Quant Time: Nov 28 00:59:55 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

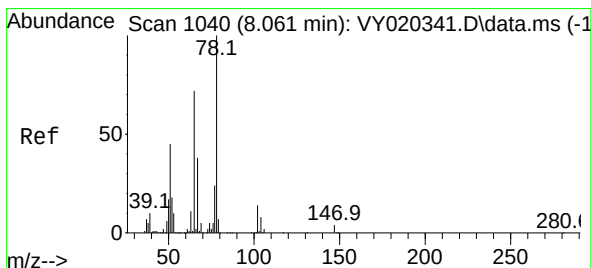
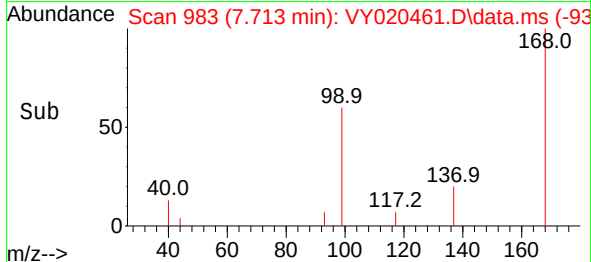
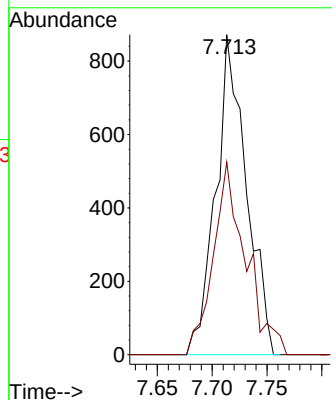
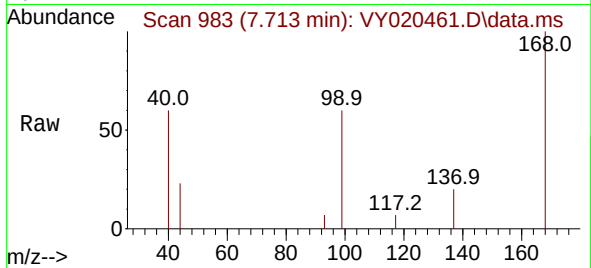




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020461.D  
Acq: 27 Nov 2024 13:20

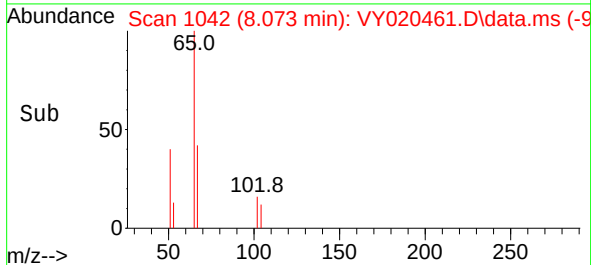
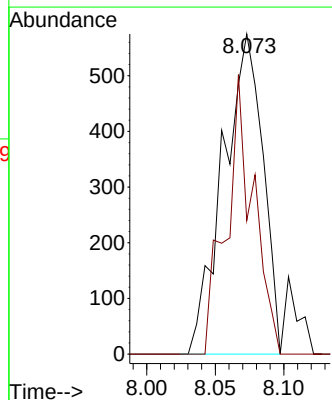
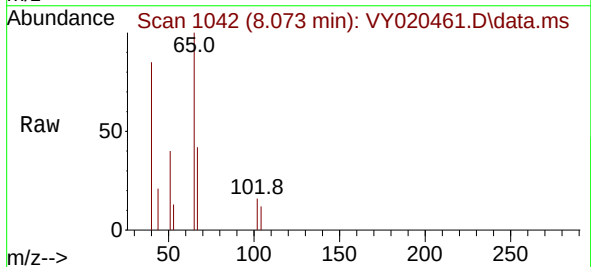
Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

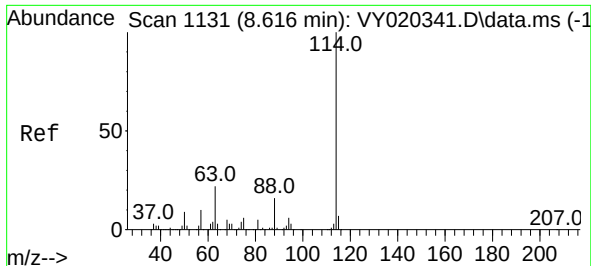
Tgt Ion:168 Resp: 1696  
Ion Ratio Lower Upper  
168 100  
99 60.2 46.6 69.8



#33  
1,2-Dichloroethane-d4  
Concen: 59.789 ug/l  
RT: 8.073 min Scan# 1042  
Delta R.T. 0.012 min  
Lab File: VY020461.D  
Acq: 27 Nov 2024 13:20

Tgt Ion: 65 Resp: 1165  
Ion Ratio Lower Upper  
65 100  
67 59.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY020461.D

Acq: 27 Nov 2024 13:20

Instrument :

MSVOA\_Y

ClientSampleId :

STOCK-PILE

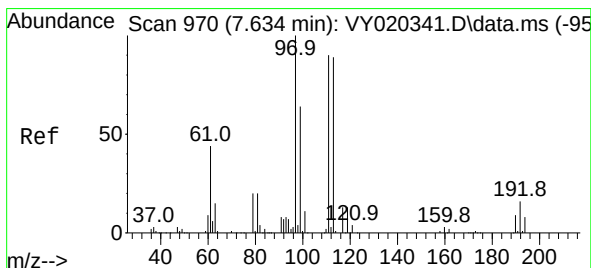
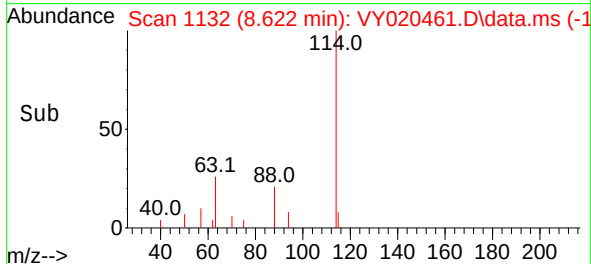
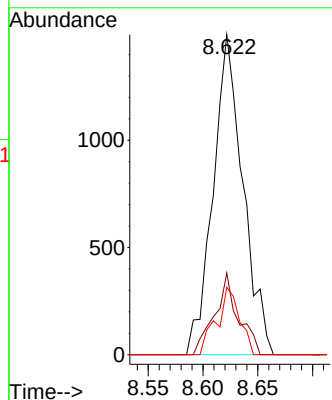
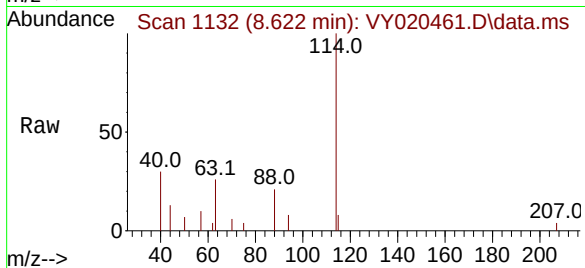
Tgt Ion:114 Resp: 2829

Ion Ratio Lower Upper

114 100

63 25.5 0.0 44.8

88 21.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.755 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY020461.D

Acq: 27 Nov 2024 13:20

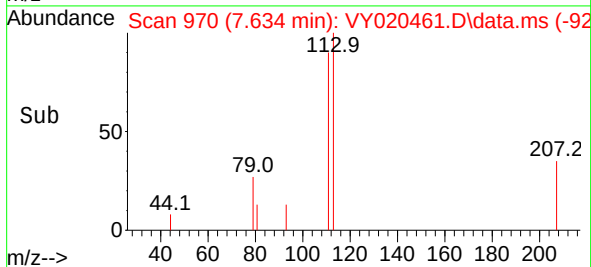
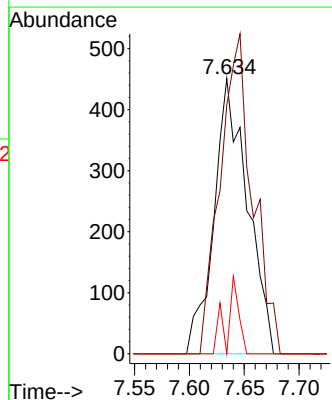
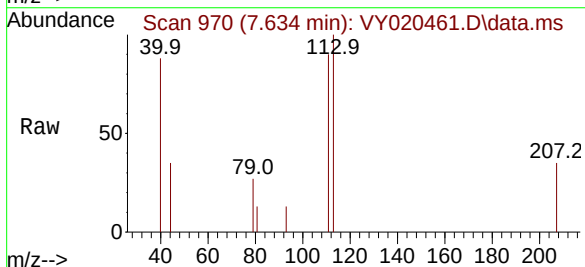
Tgt Ion:113 Resp: 957

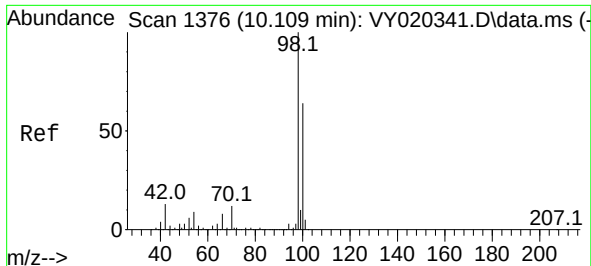
Ion Ratio Lower Upper

113 100

111 112.4 81.4 122.0

192 10.1 15.1 22.7#





#50

Toluene-d8

Concen: 39.967 ug/l

RT: 10.115 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY020461.D

Acq: 27 Nov 2024 13:20

Instrument :

MSVOA\_Y

ClientSampleId :

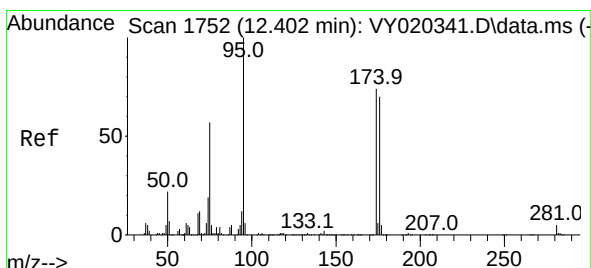
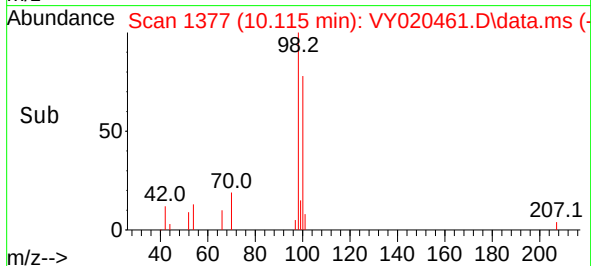
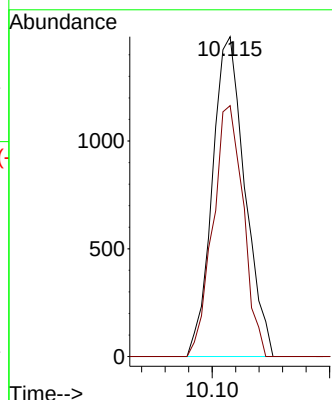
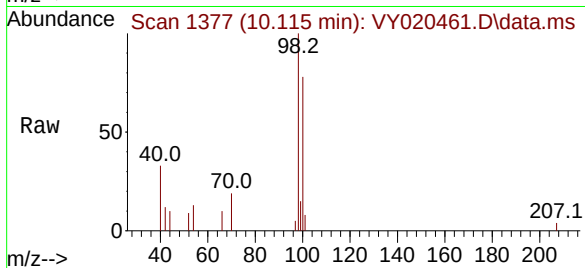
STOCK-PILE

Tgt Ion: 98 Resp: 2856

Ion Ratio Lower Upper

98 100

100 73.1 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 14.061 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020461.D

Acq: 27 Nov 2024 13:20

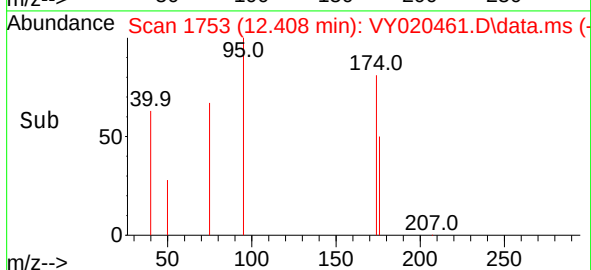
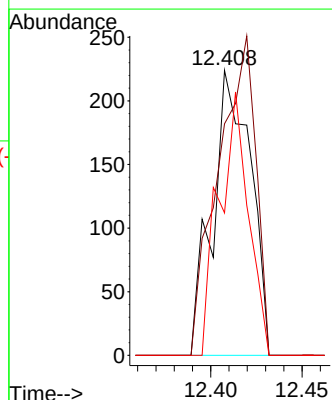
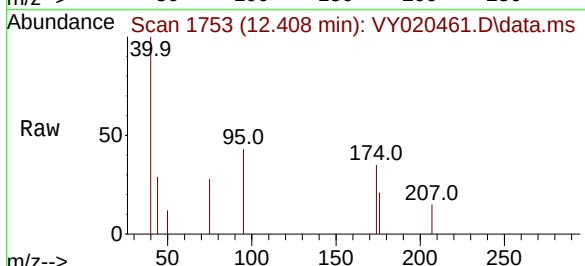
Tgt Ion: 95 Resp: 323

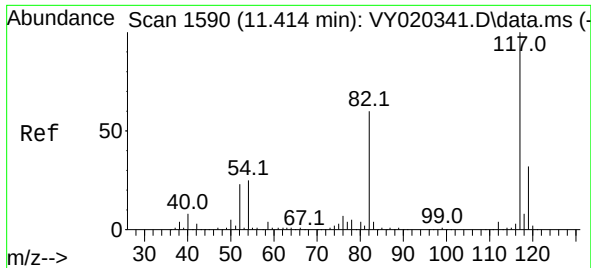
Ion Ratio Lower Upper

95 100

174 110.8 0.0 156.8

176 71.8 0.0 152.0

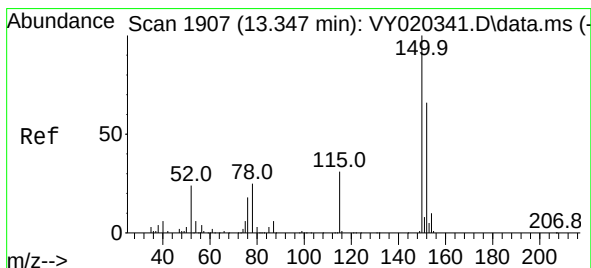
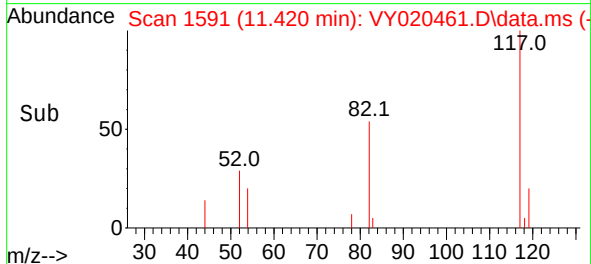
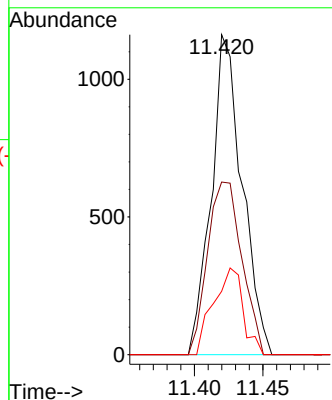
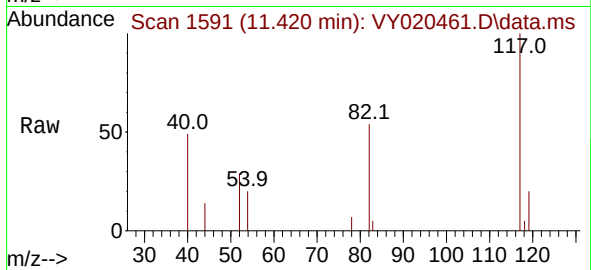




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020461.D  
Acq: 27 Nov 2024 13:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
STOCK-PILE

Tgt Ion:117 Resp: 1817  
Ion Ratio Lower Upper  
117 100  
82 54.0 48.2 72.4  
119 19.8 25.8 38.8#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY020461.D  
Acq: 27 Nov 2024 13:20

Tgt Ion:152 Resp: 321  
Ion Ratio Lower Upper  
152 100  
115 17.8 30.0 90.0#  
150 134.0 0.0 348.2

