

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
 Data File : VY018614.D  
 Acq On : 17 Jun 2024 17:14  
 Operator : SY/MD  
 Sample : P2885-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 18 01:26:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

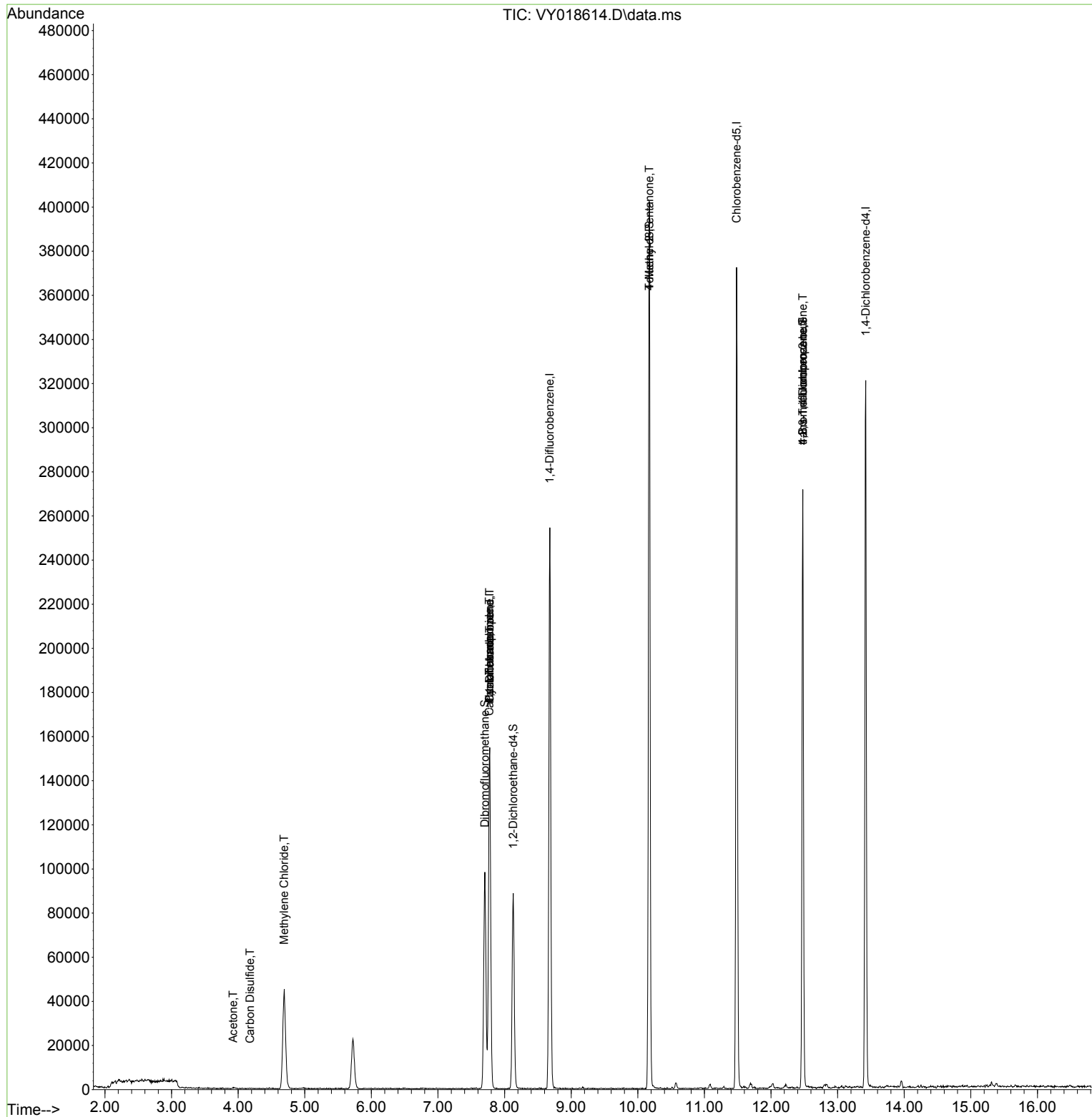
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.777     | 168   | 114677   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.679     | 114   | 218374   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 199378   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 78192    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 65803    | 56.994   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 113.980% |          |
| 35) Dibromofluoromethane      | 7.704     | 113   | 67817    | 50.909   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 101.820% |          |
| 50) Toluene-d8                | 10.173    | 98    | 265493   | 51.825   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 103.660% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 78291    | 48.398   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 30 - 143 | Recovery | = 96.800%  |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.924     | 43    | 656      | 2.793    | ug/l #     | 63       |
| 17) Carbon Disulfide          | 4.180     | 76    | 29       | 2.227    | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.692     | 84    | 33036    | 16.887   | ug/l #     | 91       |
| 31) Cyclohexane               | 7.777     | 56    | 2808     | 1.588    | ug/l #     | 15       |
| 36) 1,1-Dichloropropene       | 7.777     | 75    | 9915     | 5.407    | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.771     | 117   | 11757    | 6.112    | ug/l #     | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.173    | 43    | 1302     | 1.532    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 42872    | 58.451   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 42872    | 153.104  | ug/l #     | 16       |
| -----                         |           |       |          |          |            |          |

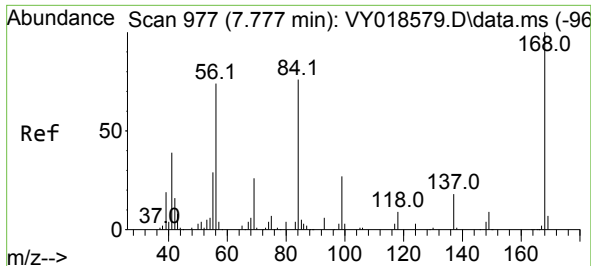
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061724\  
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Sample : P2885-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

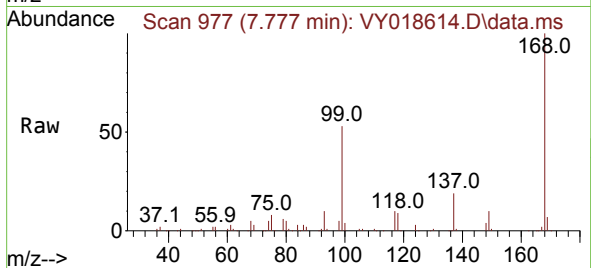
Quant Time: Jun 18 01:26:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration



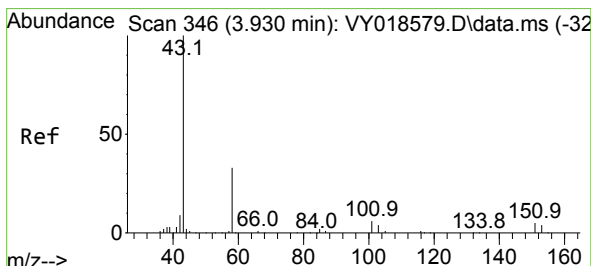
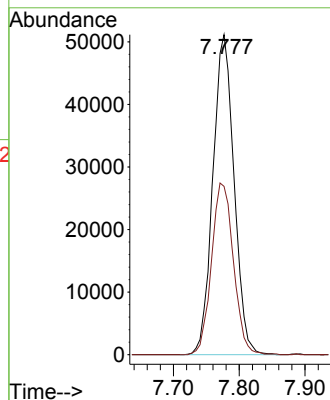
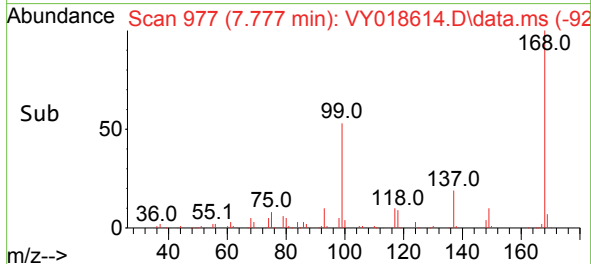


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

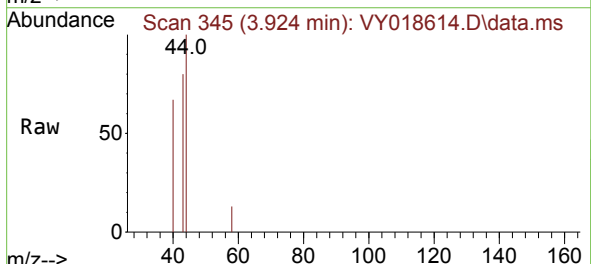
Instrument :  
MSVOA\_Y  
ClientSampleId :



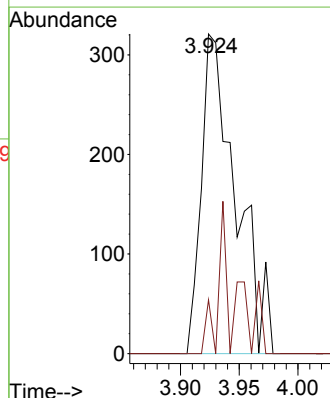
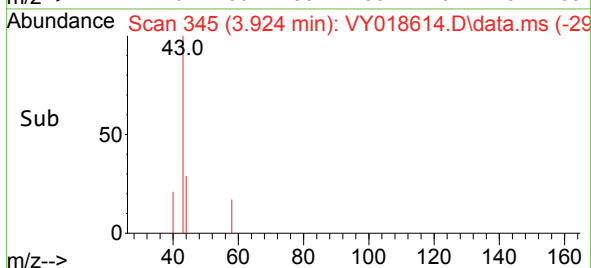
Tgt Ion:168 Resp: 114677  
Ion Ratio Lower Upper  
168 100  
99 52.6 39.1 58.7

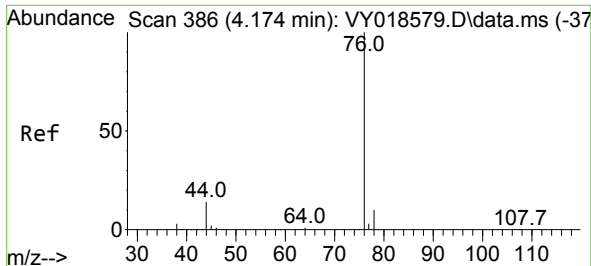


#16  
Acetone  
Concen: 2.793 ug/l  
RT: 3.924 min Scan# 345  
Delta R.T. -0.006 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14



Tgt Ion: 43 Resp: 656  
Ion Ratio Lower Upper  
43 100  
58 16.8 31.7 47.5#

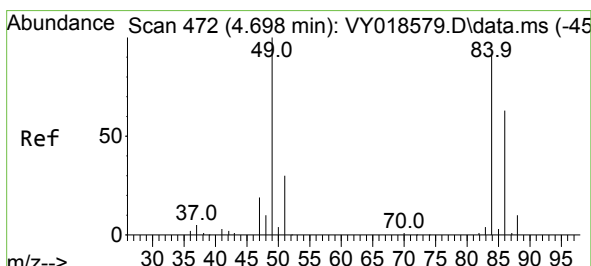
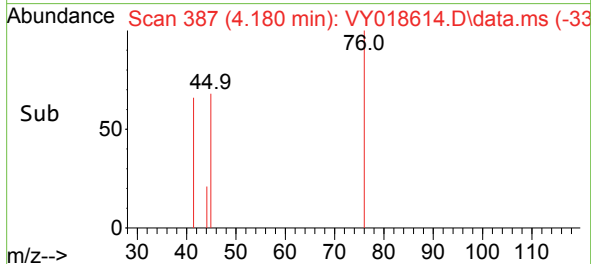
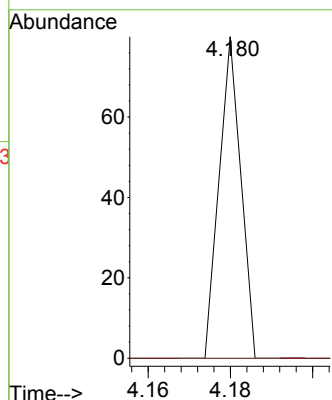
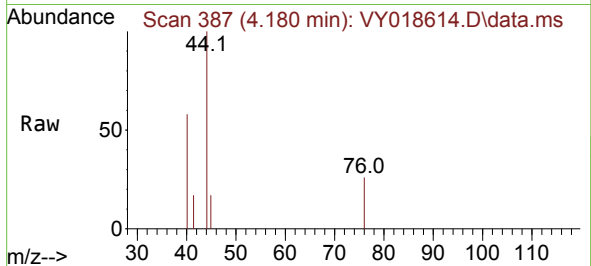




#17  
Carbon Disulfide  
Concen: 2.227 ug/l  
RT: 4.180 min Scan# 386  
Delta R.T. 0.006 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

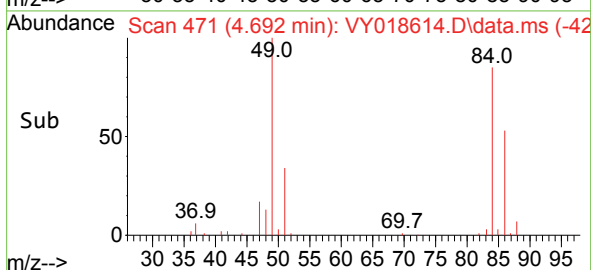
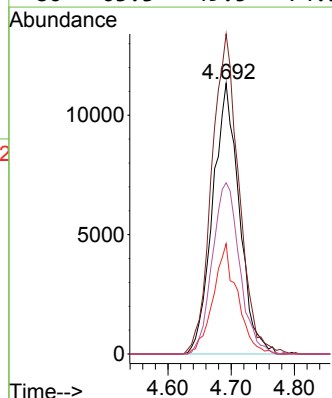
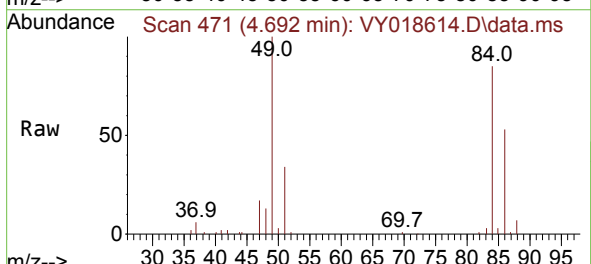
Instrument :  
MSVOA\_Y  
ClientSampleId :

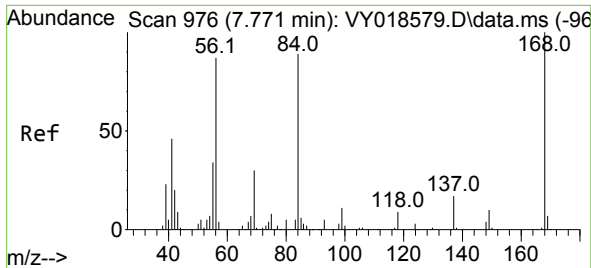
Tgt Ion: 76 Resp: 29  
Ion Ratio Lower Upper  
76 100  
78 0.0 6.8 10.2#



#20  
Methylene Chloride  
Concen: 16.887 ug/l  
RT: 4.692 min Scan# 471  
Delta R.T. -0.006 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

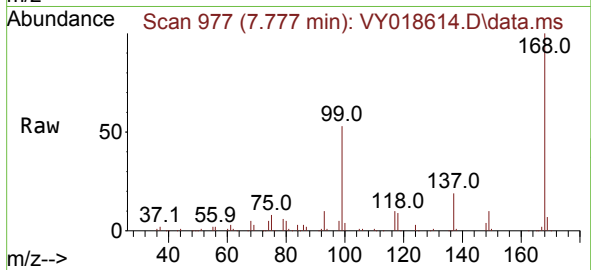
Tgt Ion: 84 Resp: 33036  
Ion Ratio Lower Upper  
84 100  
49 118.3 84.4 126.6  
51 40.8 26.0 39.0#  
86 63.3 49.5 74.3



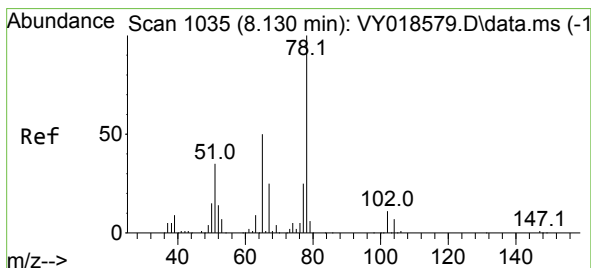
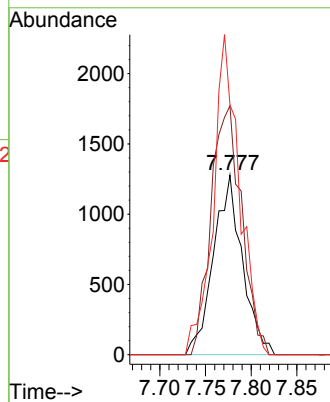
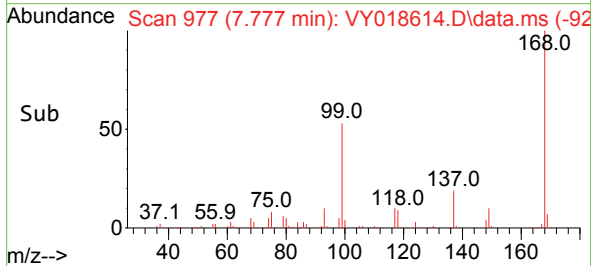


#31  
Cyclohexane  
Concen: 1.588 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

Instrument :  
MSVOA\_Y  
ClientSampleId :

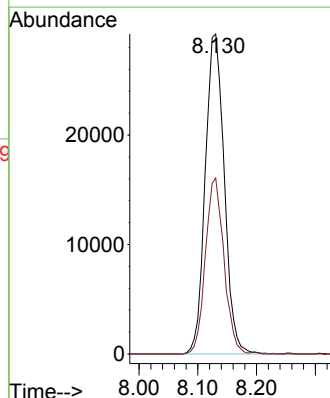
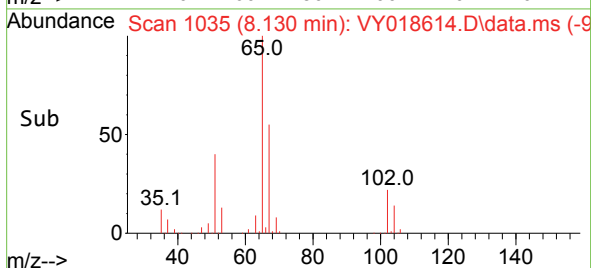
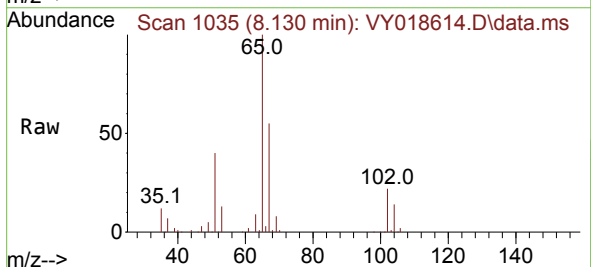


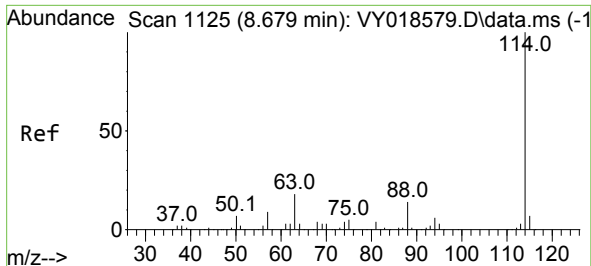
Tgt Ion: 56 Resp: 2808  
Ion Ratio Lower Upper  
56 100  
69 138.5 28.7 43.1#  
84 147.8 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 56.994 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

Tgt Ion: 65 Resp: 65803  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 109.6

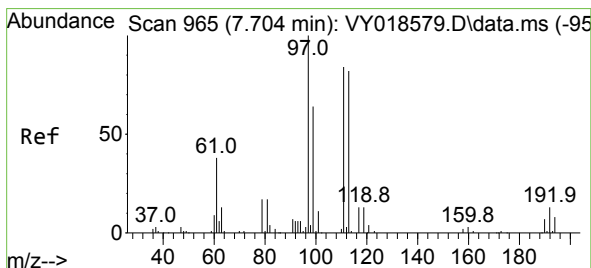
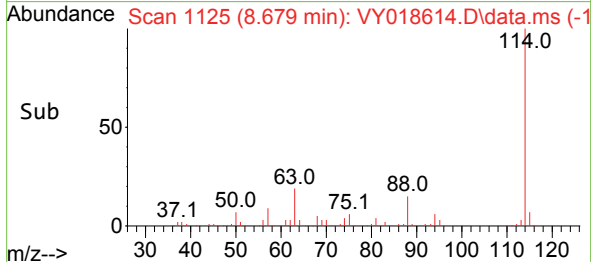
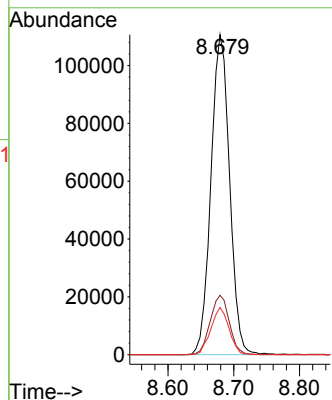
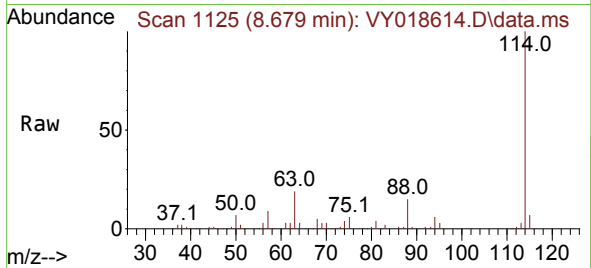




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.679 min Scan# 1125  
Delta R.T. 0.000 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

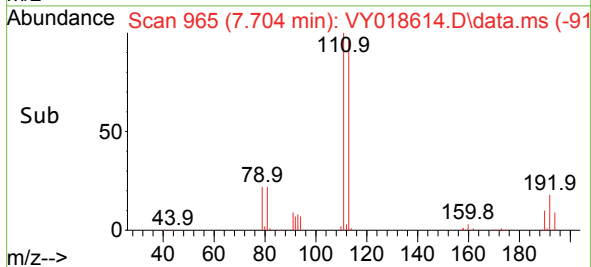
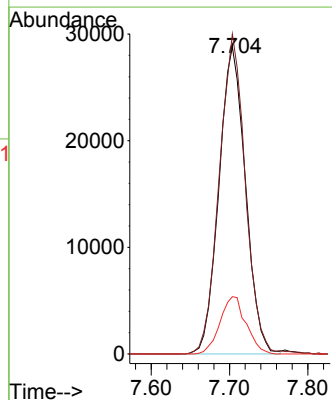
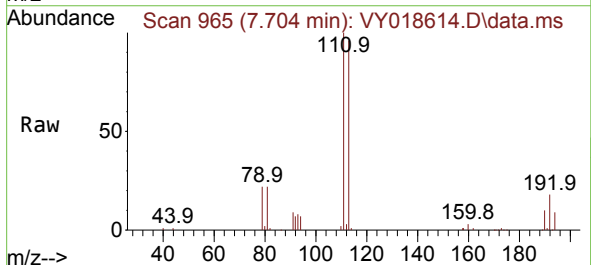
Instrument :  
MSVOA\_Y  
ClientSampleId :

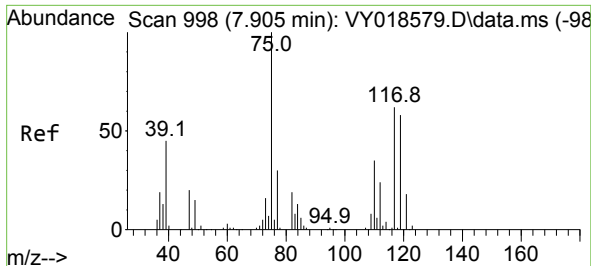
Tgt Ion:114 Resp: 218374  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 35.0  
88 14.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 50.909 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

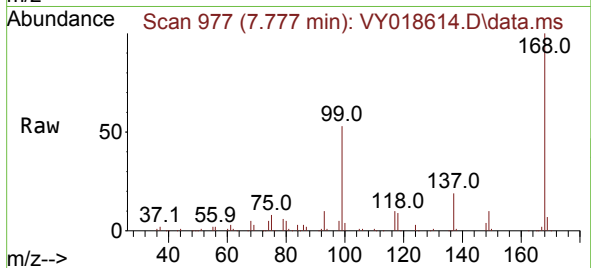
Tgt Ion:113 Resp: 67817  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.2 123.4  
192 18.3 15.9 23.9



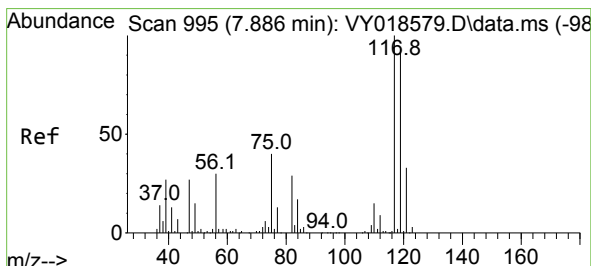
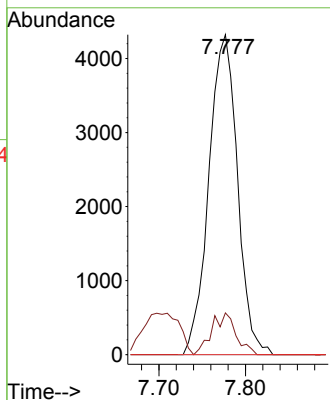
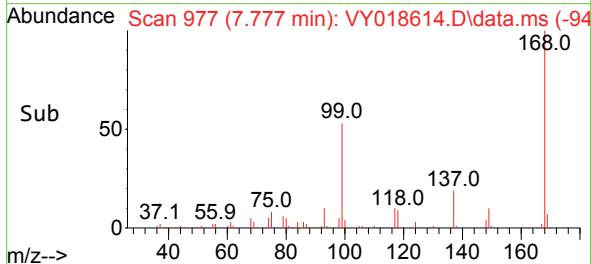


#36  
1,1-Dichloropropene  
Concen: 5.407 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14

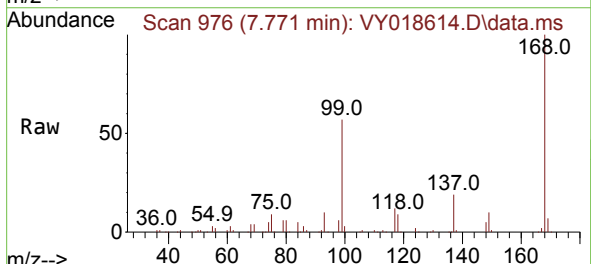
Instrument :  
MSVOA\_Y  
ClientSampleId :



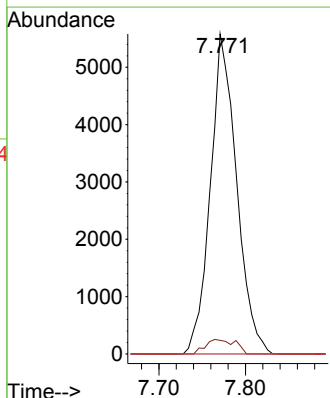
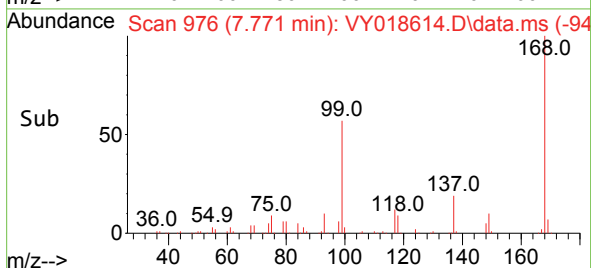
Tgt Ion: 75 Resp: 9915  
Ion Ratio Lower Upper  
75 100  
110 11.0 19.0 57.0#  
77 0.0 25.3 37.9#

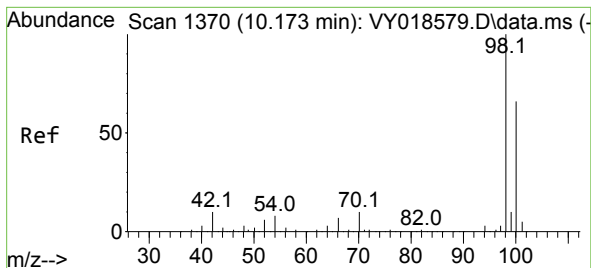


#38  
Carbon Tetrachloride  
Concen: 6.112 ug/l  
RT: 7.771 min Scan# 976  
Delta R.T. -0.116 min  
Lab File: VY018614.D  
Acq: 17 Jun 2024 17:14



Tgt Ion: 117 Resp: 11757  
Ion Ratio Lower Upper  
117 100  
119 4.2 75.8 113.6#  
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 51.825 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018614.D

Acq: 17 Jun 2024 17:14

Instrument :

MSVOA\_Y

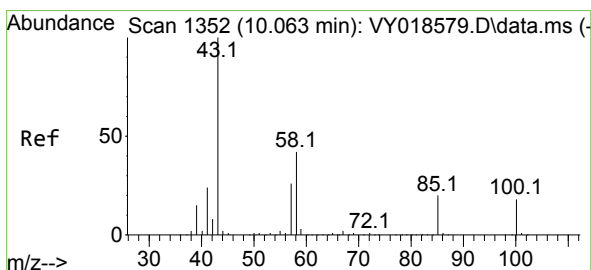
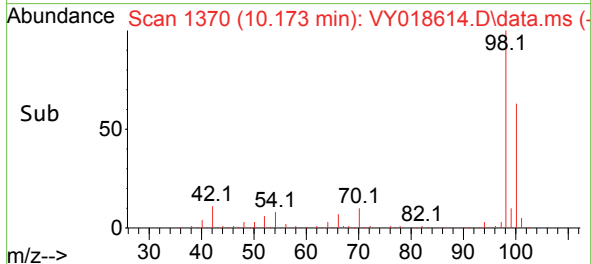
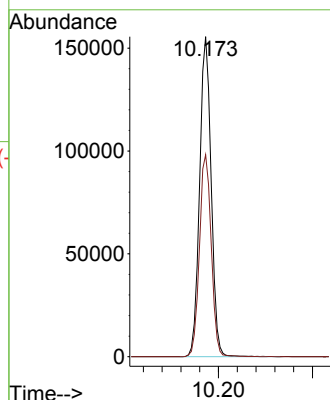
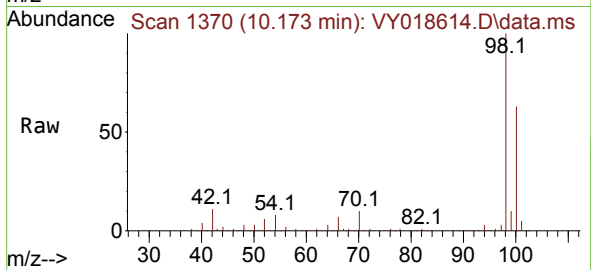
ClientSampleId :

Tgt Ion: 98 Resp: 265493

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.532 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.110 min

Lab File: VY018614.D

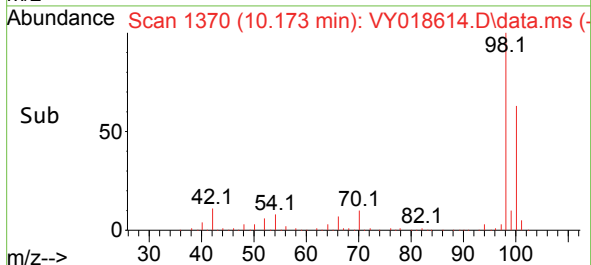
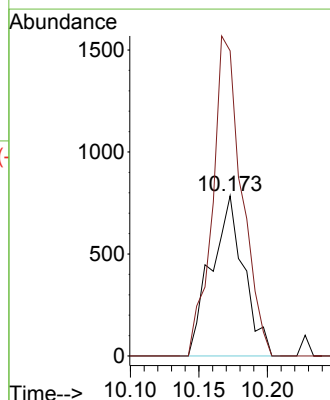
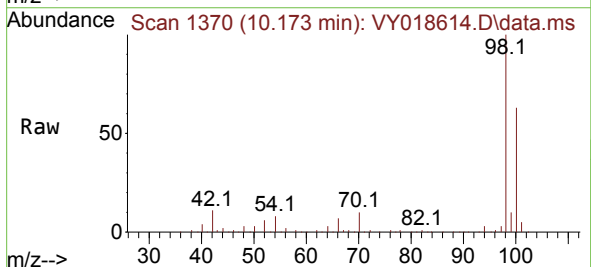
Acq: 17 Jun 2024 17:14

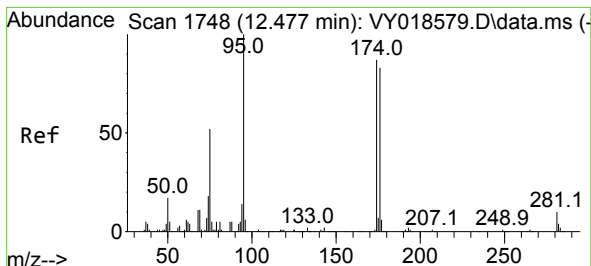
Tgt Ion: 43 Resp: 1302

Ion Ratio Lower Upper

43 100

58 179.5 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 48.398 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018614.D

Acq: 17 Jun 2024 17:14

Instrument :

MSVOA\_Y

ClientSampleId :

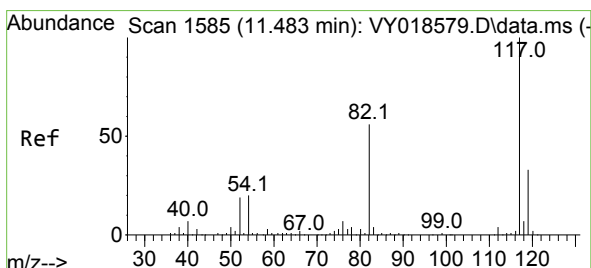
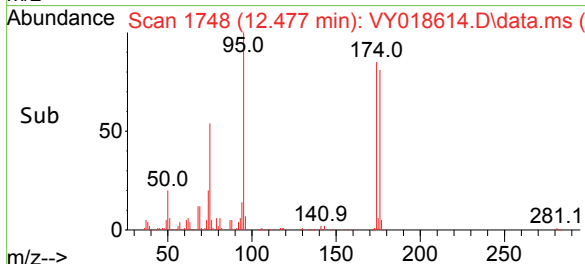
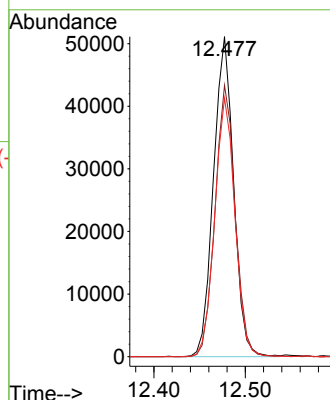
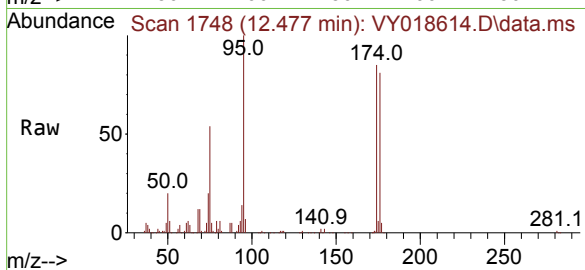
Tgt Ion: 95 Resp: 78291

Ion Ratio Lower Upper

95 100

174 84.5 0.0 175.6

176 81.3 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1585

Delta R.T. 0.000 min

Lab File: VY018614.D

Acq: 17 Jun 2024 17:14

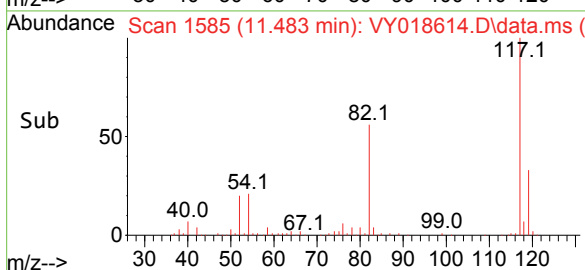
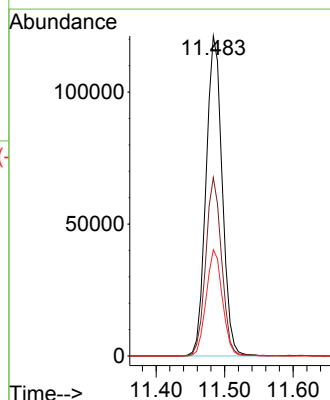
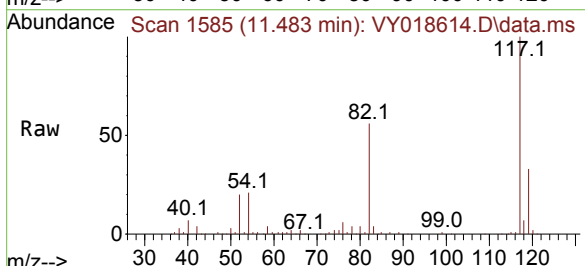
Tgt Ion: 117 Resp: 199378

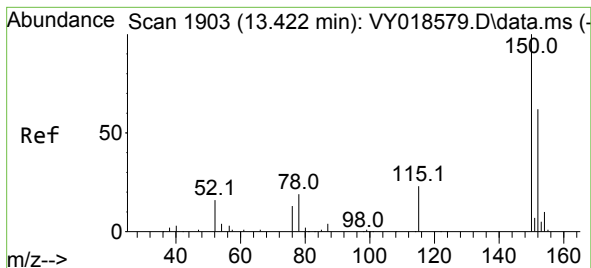
Ion Ratio Lower Upper

117 100

82 55.7 42.4 63.6

119 33.2 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: VY018614.D

Acq: 17 Jun 2024 17:14

Instrument :

MSVOA\_Y

ClientSampleId :

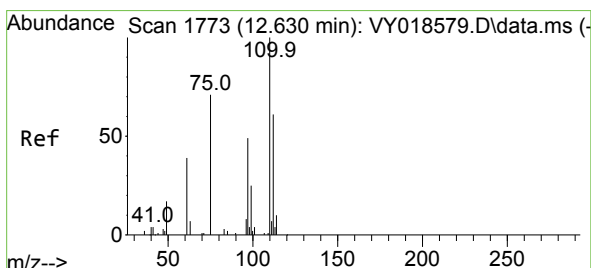
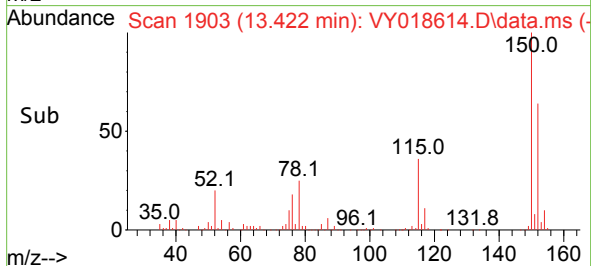
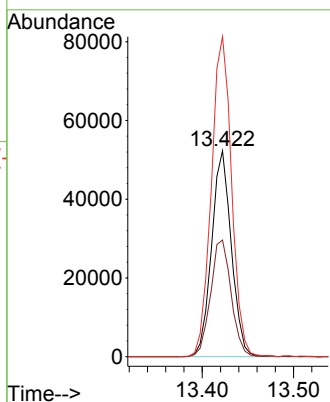
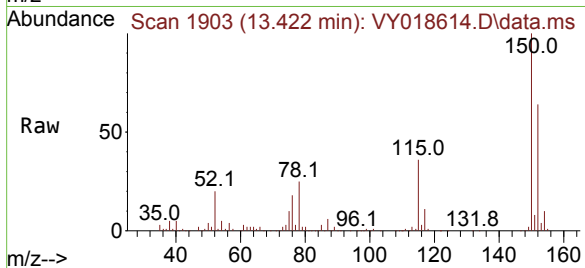
Tgt Ion:152 Resp: 78192

Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.7

150 159.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 58.451 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018614.D

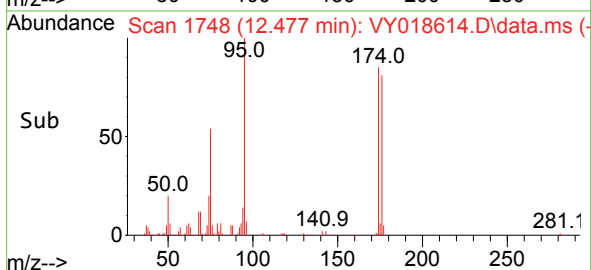
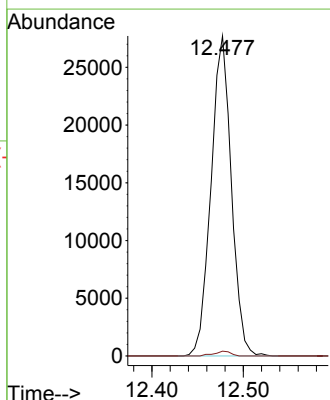
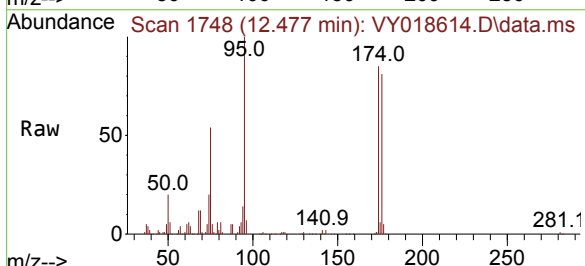
Acq: 17 Jun 2024 17:14

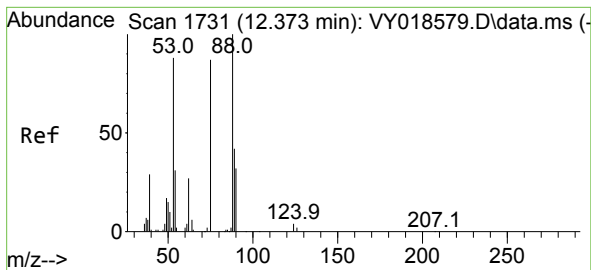
Tgt Ion: 75 Resp: 42872

Ion Ratio Lower Upper

75 100

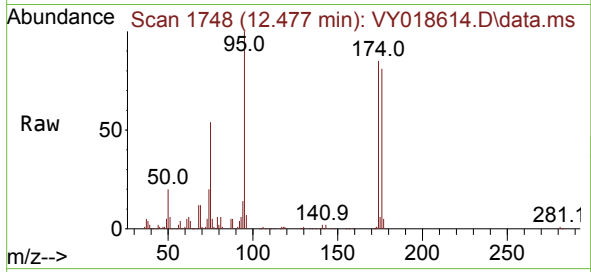
77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 153.104 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY018614.D  
 Acq: 17 Jun 2024 17:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 42872  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.1 35.8 53.6#

