

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050224\  
 Data File : VY018127.D  
 Acq On : 02 May 2024 19:16  
 Operator : SY/MD  
 Sample : P2330-17  
 Misc : 5.24g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: May 02 23:09:04 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

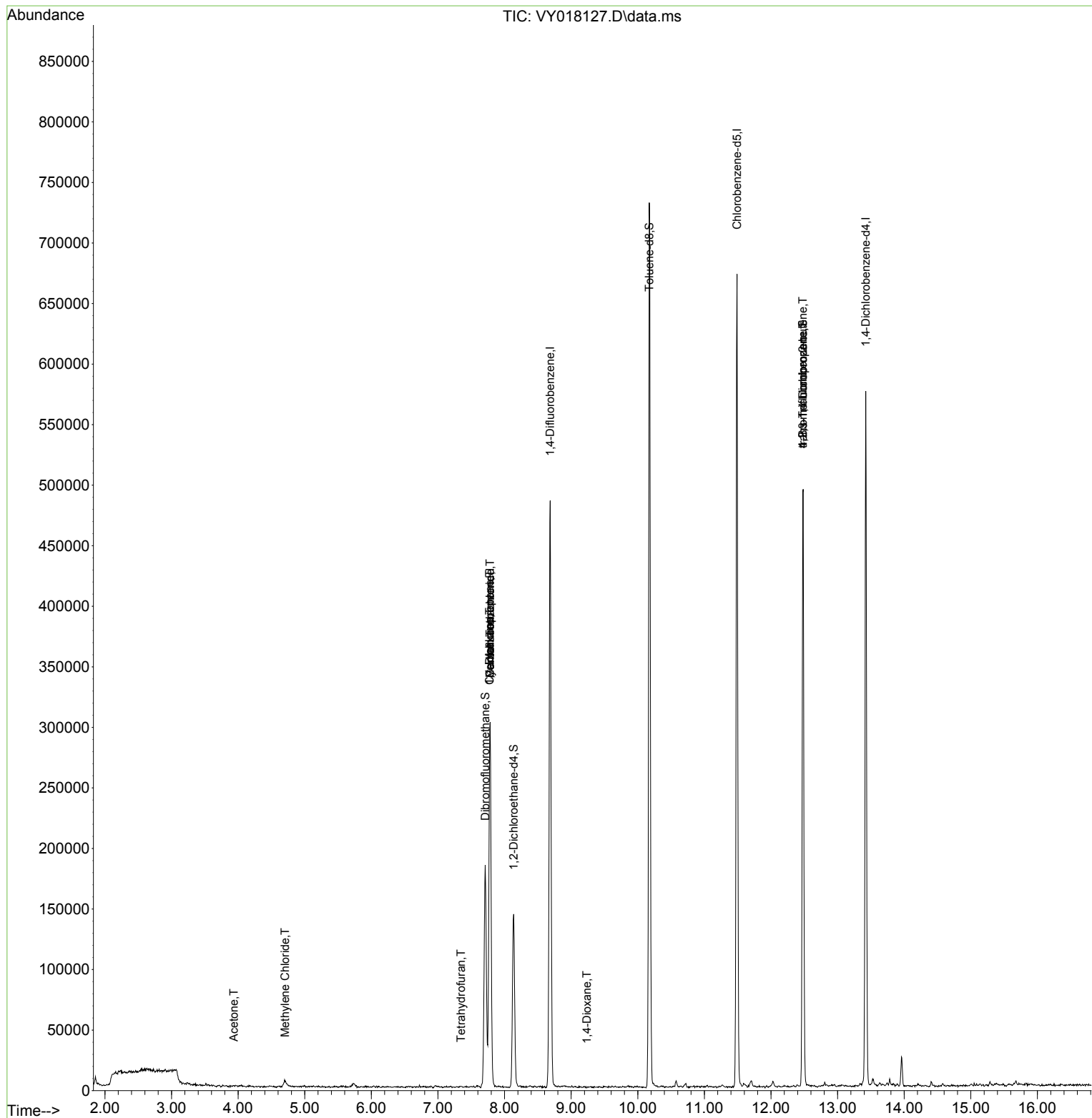
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 252288              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 442370              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 386391              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 153174              | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137          | 65   | 106364              | 53.486  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 106.980% |         |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 129615              | 50.986  | ug/l   | -0.01    |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 101.980% |         |        |          |
| 50) Toluene-d8                | 10.173         | 98   | 494604              | 49.837  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 99.680%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 152569              | 44.671  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 89.340%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         | Qvalue |          |
| 16) Acetone                   | 3.936          | 43   | 571                 | 1.507   | ug/l # | 36       |
| 20) Methylene Chloride        | 4.704          | 84   | 3917                | 1.476   | ug/l # | 80       |
| 29) Tetrahydrofuran           | 7.344          | 42   | 418                 | 1.116   | ug/l   | 99       |
| 31) Cyclohexane               | 7.777          | 56   | 4771                | 1.252   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.777          | 75   | 16337               | 4.814   | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 24242               | 6.294   | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.234          | 88   | 20                  | 1.246   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 74097               | 57.640  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 74097               | 105.007 | ug/l # | 16       |
| -----                         |                |      |                     |         |        |          |

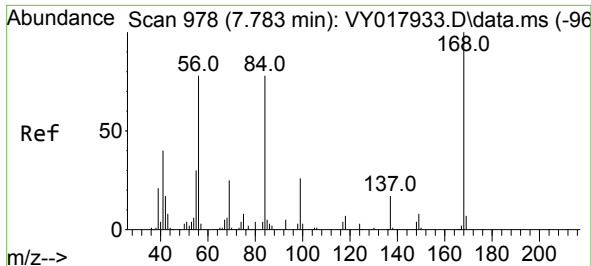
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed May 01 16:21:20 2024  
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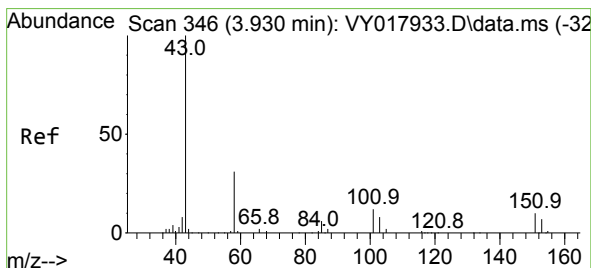
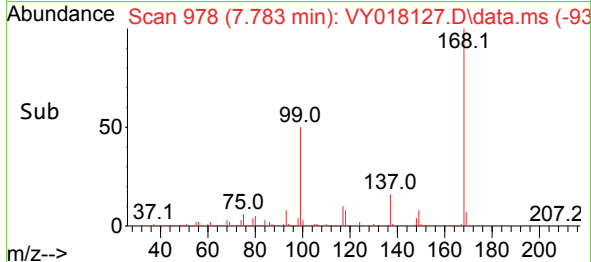
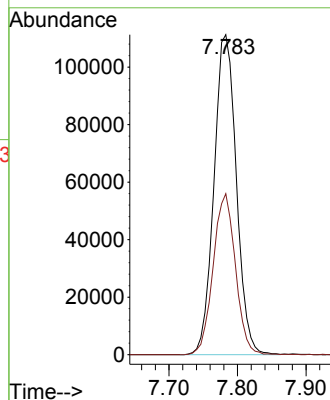
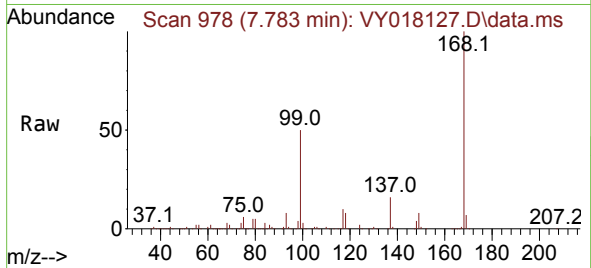




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

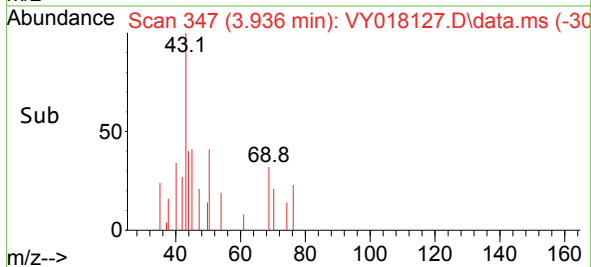
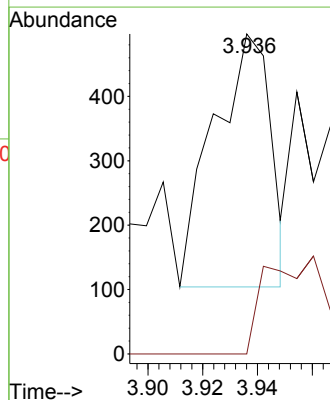
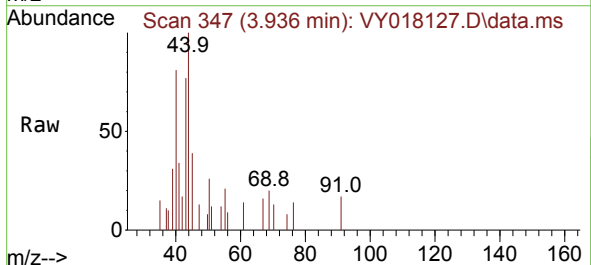
Instrument :  
MSVOA\_Y  
ClientSampleId :

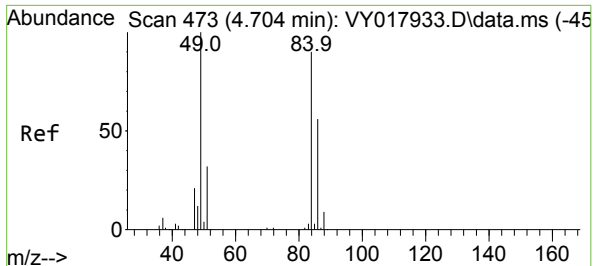
Tgt Ion:168 Resp: 252288  
Ion Ratio Lower Upper  
168 100  
99 50.3 39.1 58.7



#16  
Acetone  
Concen: 1.507 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.012 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

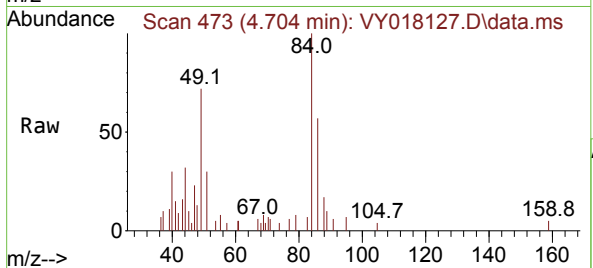
Tgt Ion: 43 Resp: 571  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



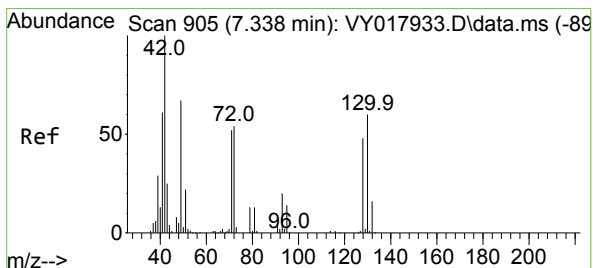
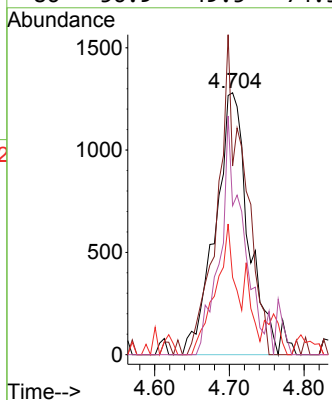
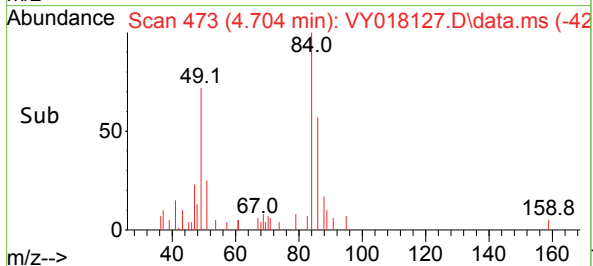


#20  
Methylene Chloride  
Concen: 1.476 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

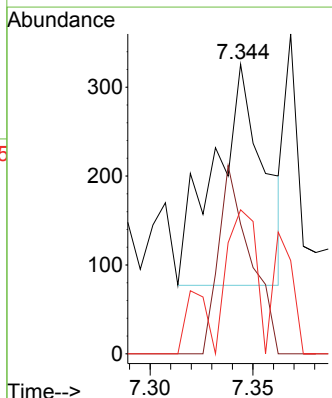
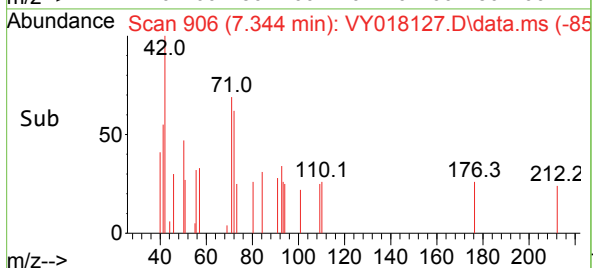
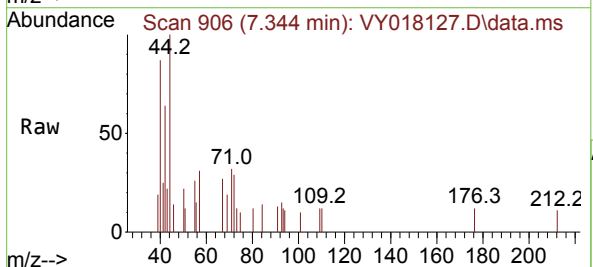


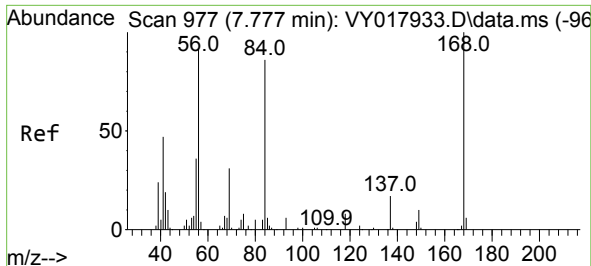
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 3917   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 72.0  | 84.4  | 126.6# |
| 51       | 29.5  | 26.0  | 39.0   |
| 86       | 56.9  | 49.5  | 74.3   |



#29  
Tetrahydrofuran  
Concen: 1.116 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

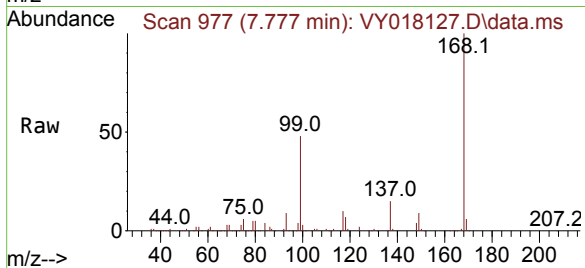
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 418   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 54.5  | 43.0  | 64.4  |
| 71       | 50.0  | 40.8  | 61.2  |



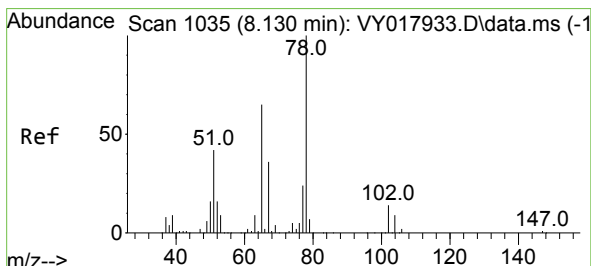
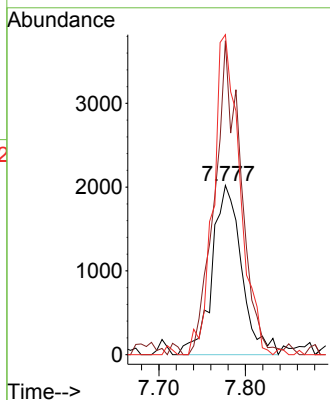
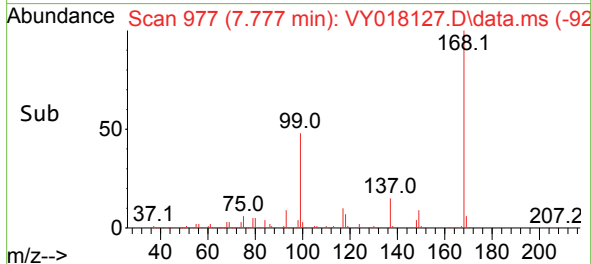


#31  
Cyclohexane  
Concen: 1.252 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

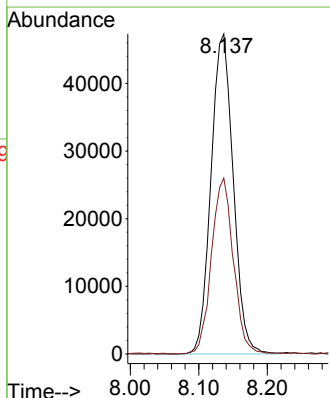
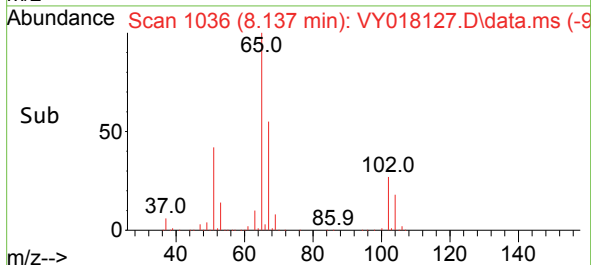
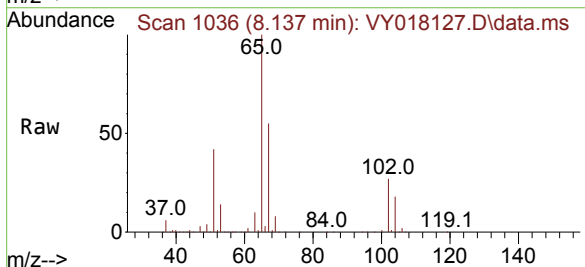


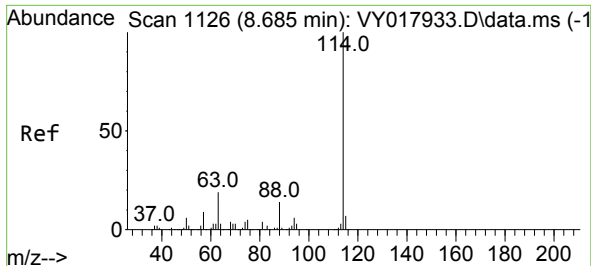
Tgt Ion: 56 Resp: 4771  
Ion Ratio Lower Upper  
56 100  
69 182.0 28.7 43.1#  
84 189.1 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 53.486 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Tgt Ion: 65 Resp: 106364  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 109.6

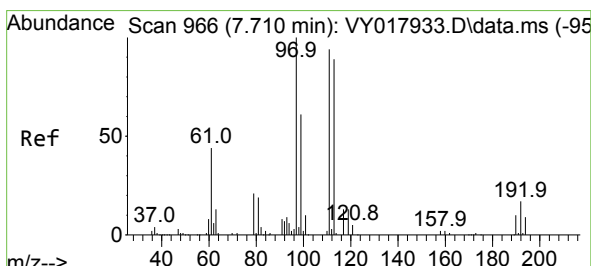
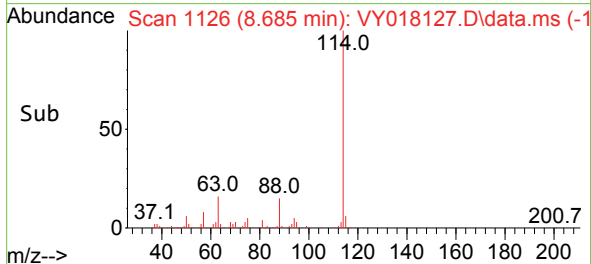
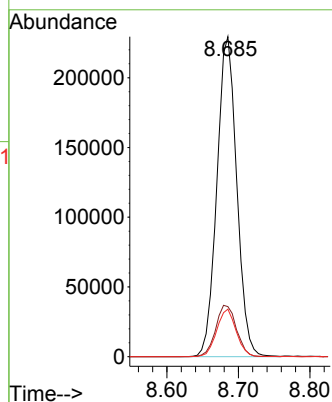
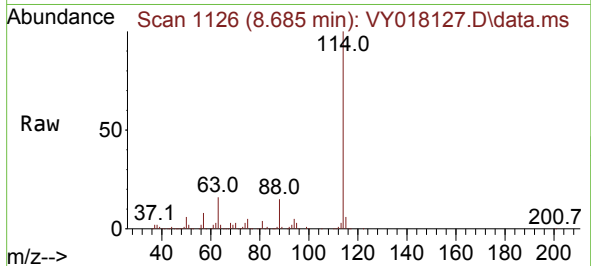




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

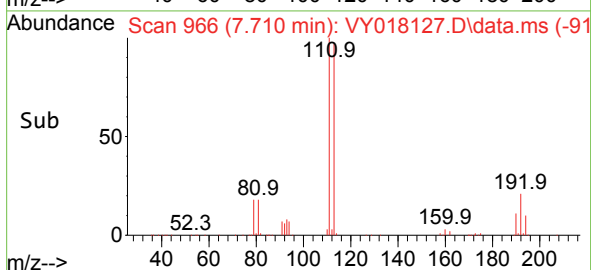
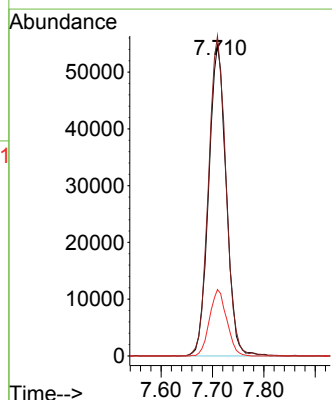
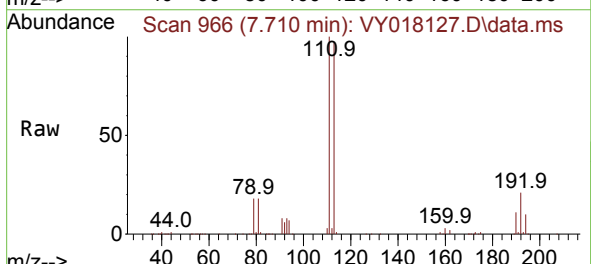
Instrument :  
MSVOA\_Y  
ClientSampleId :

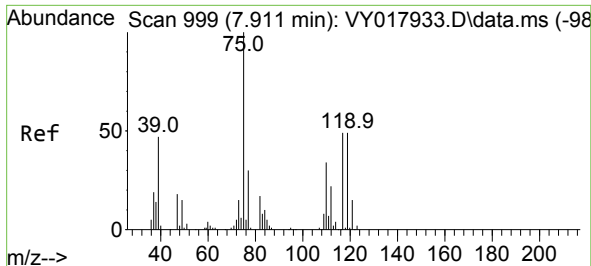
Tgt Ion:114 Resp: 442370  
Ion Ratio Lower Upper  
114 100  
63 15.7 0.0 35.0  
88 14.8 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 50.986 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.012 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

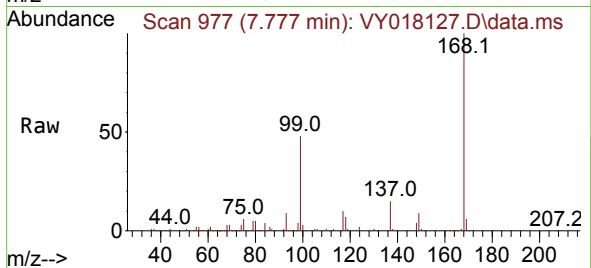
Tgt Ion:113 Resp: 129615  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.2 123.4  
192 20.9 15.9 23.9



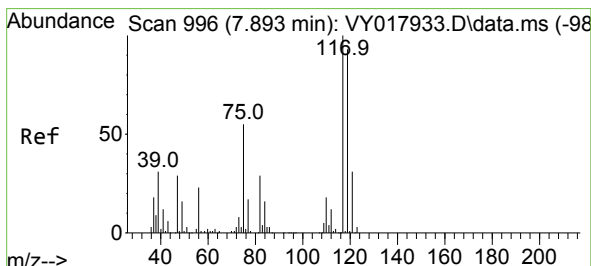
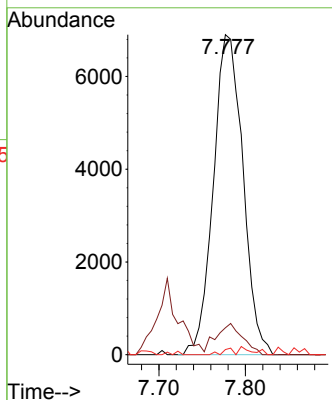
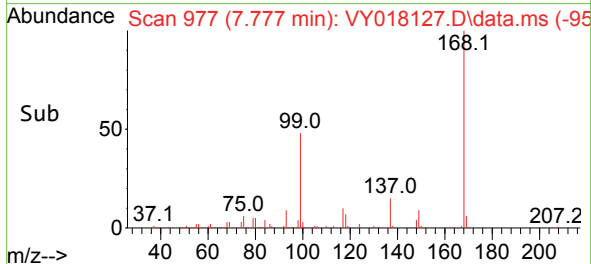


#36  
1,1-Dichloropropene  
Concen: 4.814 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.140 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Instrument :  
MSVOA\_Y  
ClientSampleId :

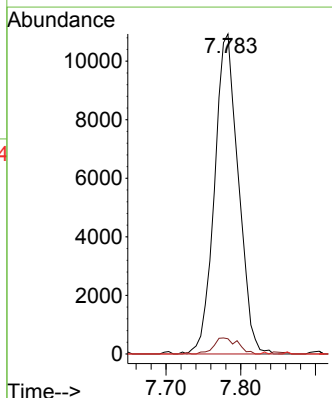
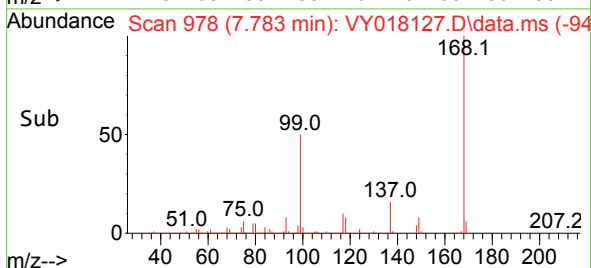
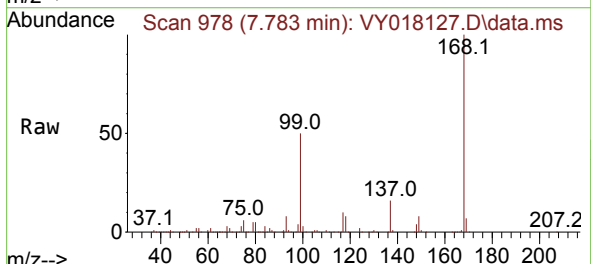


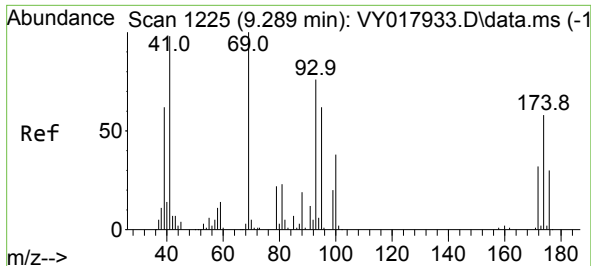
Tgt Ion: 75 Resp: 16337  
Ion Ratio Lower Upper  
75 100  
110 8.8 19.0 57.0#  
77 0.7 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.294 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.122 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Tgt Ion: 117 Resp: 24242  
Ion Ratio Lower Upper  
117 100  
119 4.7 75.8 113.6#  
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.246 ug/l

RT: 9.234 min Scan# 1216

Delta R.T. -0.067 min

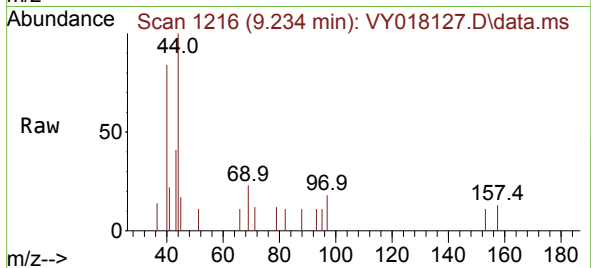
Lab File: VY018127.D

Acq: 02 May 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :



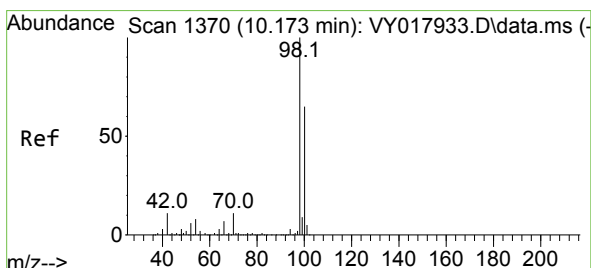
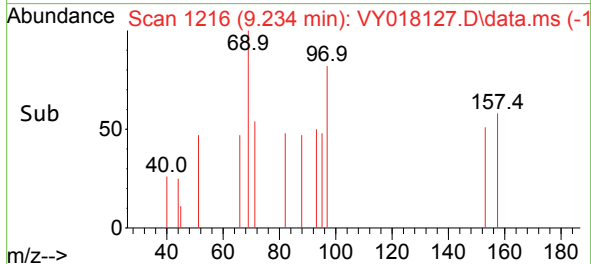
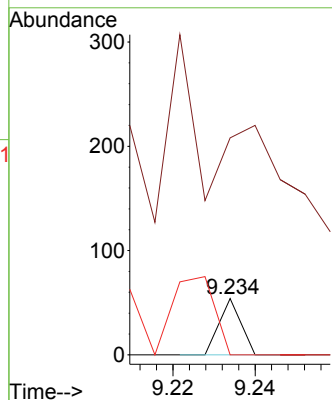
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 905.0 0.0 0.0#

58 380.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.837 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY018127.D

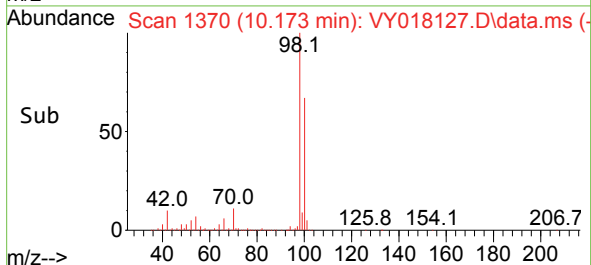
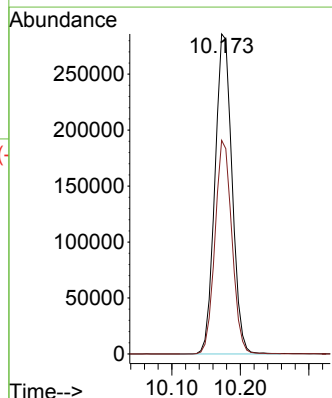
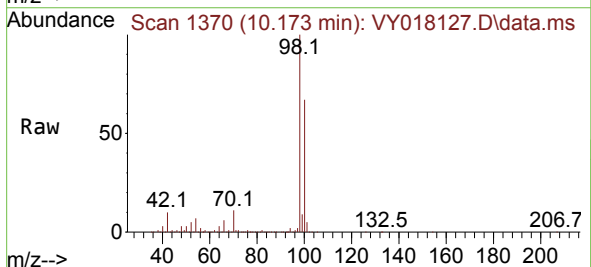
Acq: 02 May 2024 19:16

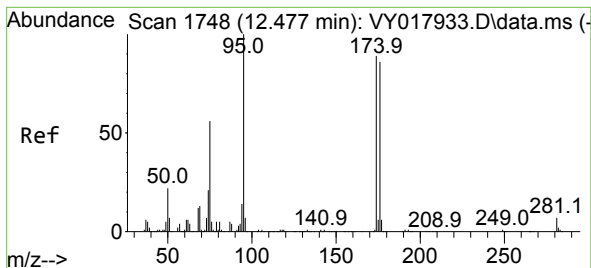
Tgt Ion: 98 Resp: 494604

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0

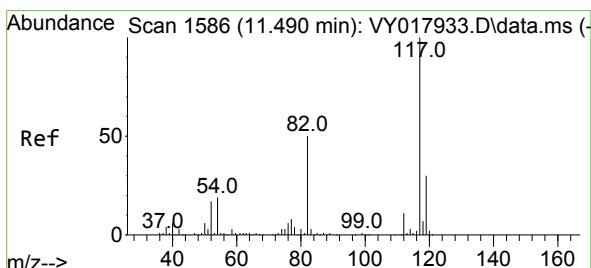
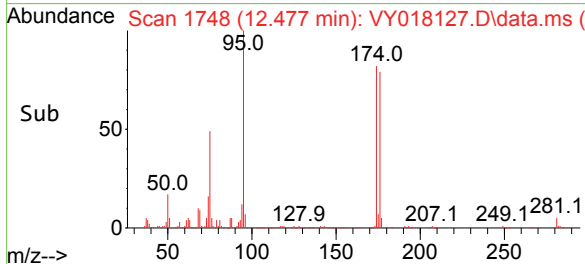
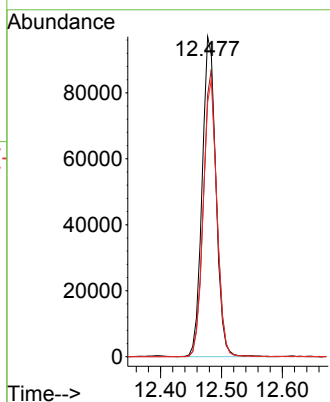
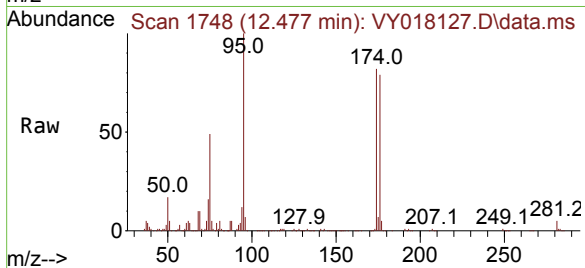




#62  
4-Bromofluorobenzene  
Concen: 44.671 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

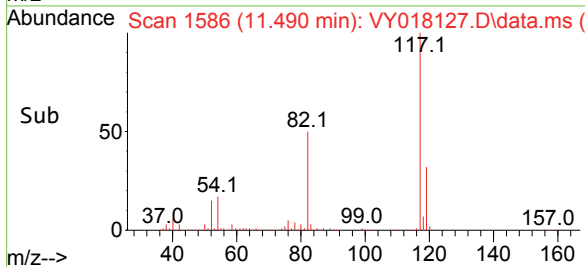
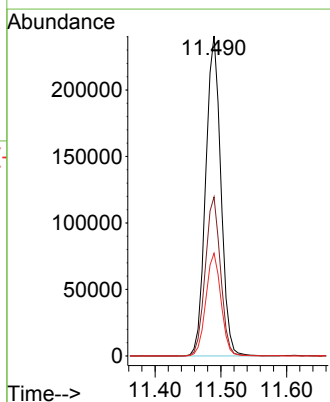
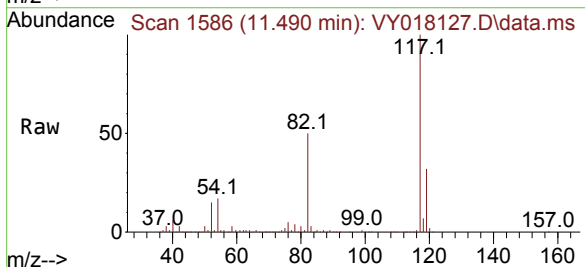
Instrument :  
MSVOA\_Y  
ClientSampleId :

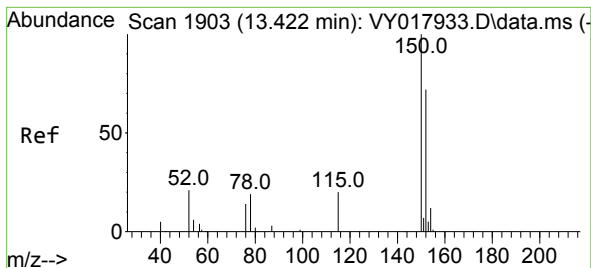
Tgt Ion: 95 Resp: 152569  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 175.6  
176 85.4 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY018127.D  
Acq: 02 May 2024 19:16

Tgt Ion: 117 Resp: 386391  
Ion Ratio Lower Upper  
117 100  
82 49.7 42.4 63.6  
119 32.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY018127.D

Acq: 02 May 2024 19:16

Instrument :

MSVOA\_Y

ClientSampleId :

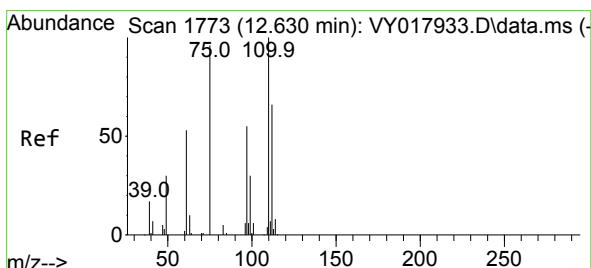
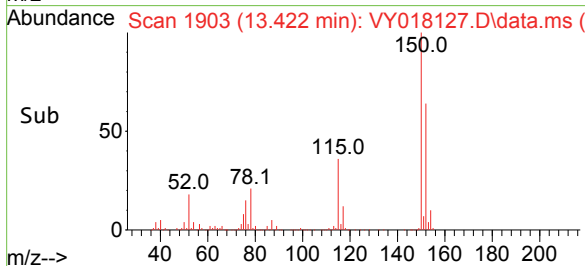
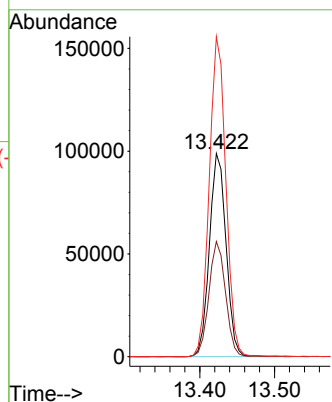
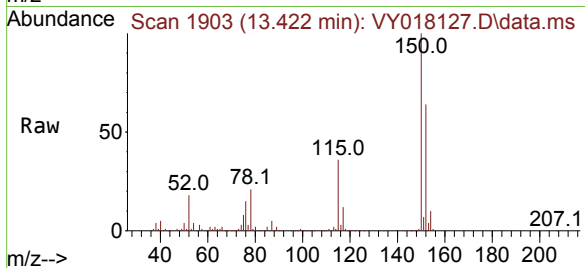
Tgt Ion:152 Resp: 153174

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 156.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 57.640 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018127.D

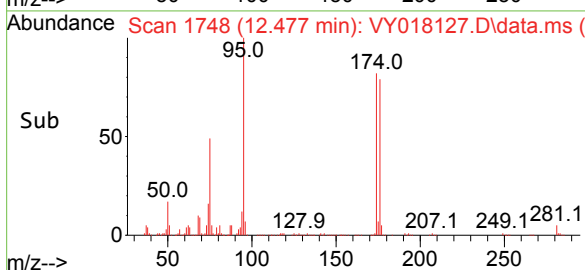
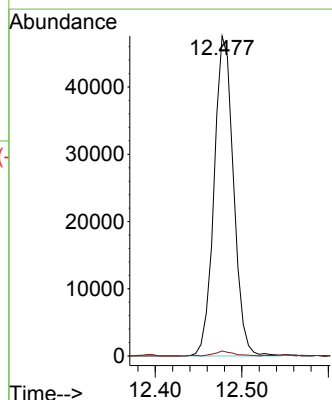
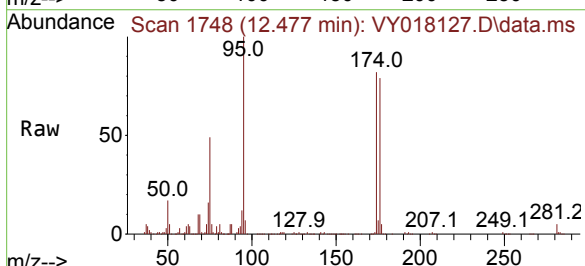
Acq: 02 May 2024 19:16

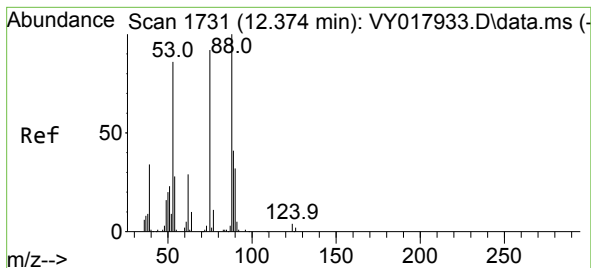
Tgt Ion: 75 Resp: 74097

Ion Ratio Lower Upper

75 100

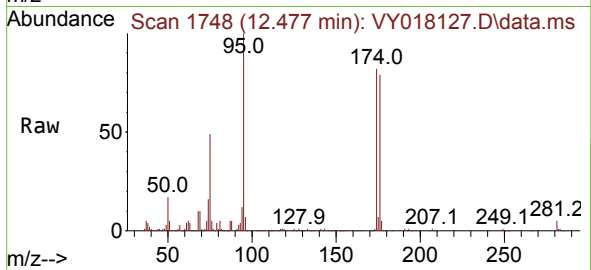
77 1.6 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.007 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY018127.D  
 Acq: 02 May 2024 19:16

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 74097  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 66.8 100.2#  
 89 0.0 35.8 53.6#

