

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092023\  
 Data File : VY015657.D  
 Acq On : 20 Sep 2023 14:32  
 Operator : SY/MD  
 Sample : 04501-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 21 03:41:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

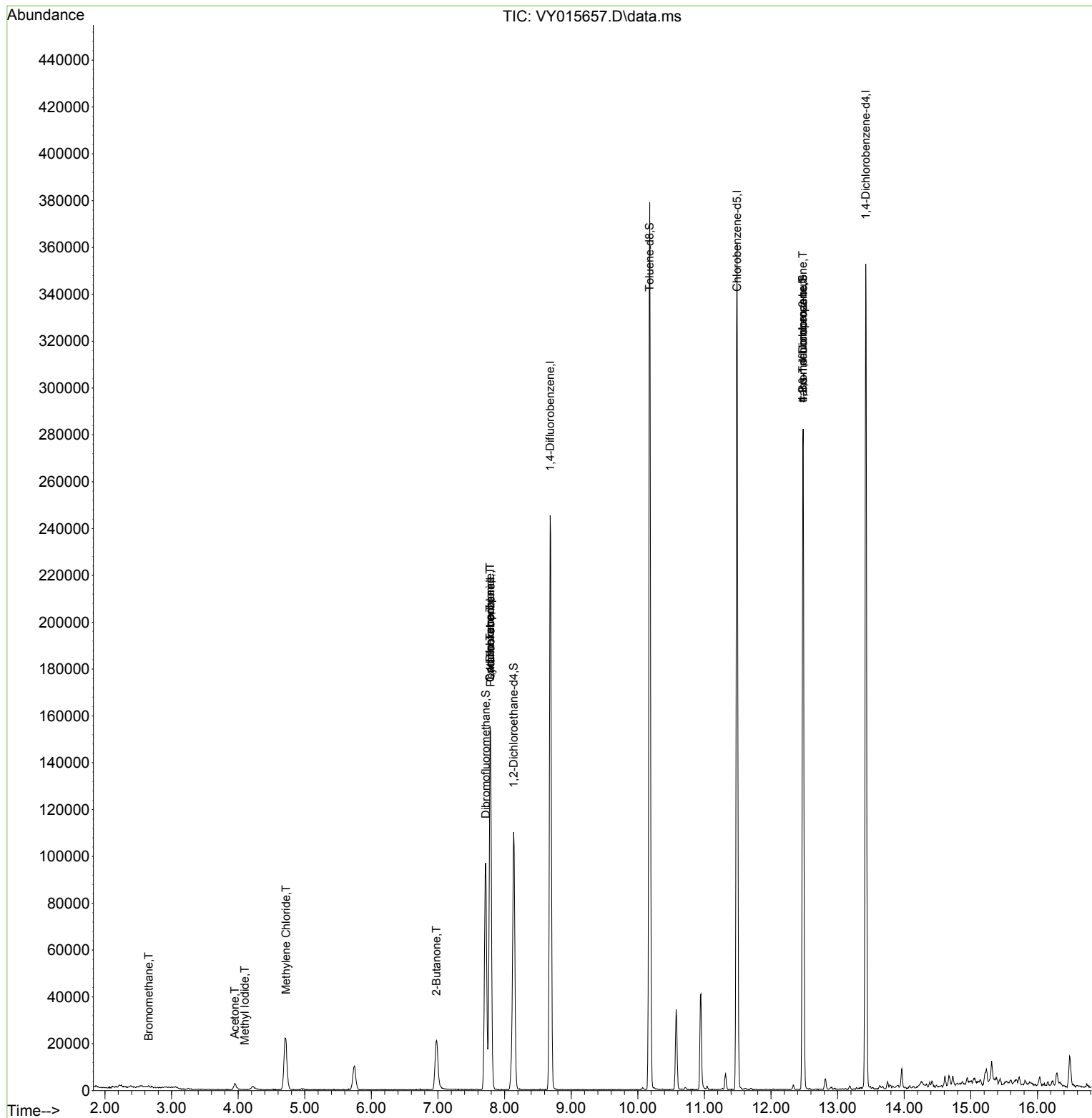
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 122411              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 209270              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 192683              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 91720               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 81971               | 60.861    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 121.720% |           |        |          |
| 35) Dibromofluoromethane      | 7.715          | 113  | 68694               | 54.843    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 109.680% |           |        |          |
| 50) Toluene-d8                | 10.178         | 98   | 247253              | 58.219    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 116.440% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 83787               | 50.273    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 100.540% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 2.655          | 94   | 155                 | 2.684     | ug/l # | 53       |
| 10) Methyl Iodide             | 4.100          | 142  | 81                  | 2.782     | ug/l # | 38       |
| 11) Tert butyl alcohol        | 4.960          | 59   | 980                 | Below Cal | #      | 89       |
| 16) Acetone                   | 3.948          | 43   | 4747                | 6.586     | ug/l   | 91       |
| 20) Methylene Chloride        | 4.716          | 84   | 17362               | 6.819     | ug/l   | 91       |
| 25) 2-Butanone                | 6.978          | 43   | 1724                | 1.692     | ug/l # | 83       |
| 31) Cyclohexane               | 7.782          | 56   | 2727                | 1.462     | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 7.782          | 75   | 9650                | 5.211     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.782          | 117  | 12360               | 6.148     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 44746               | 30.580    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 44746               | 68.863    | ug/l # | 11       |
| -----                         |                |      |                     |           |        |          |

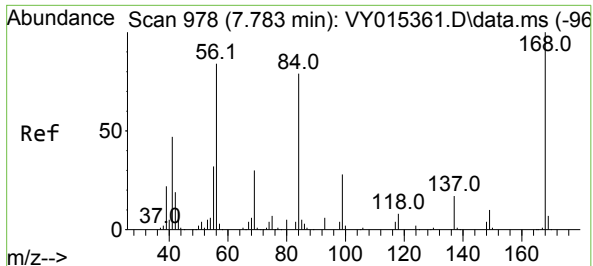
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092023\  
Data File : VY015657.D  
Acq On : 20 Sep 2023 14:32  
Operator : SY/MD  
Sample : 04501-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 21 03:41:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 20 01:39:40 2023  
Response via : Initial Calibration

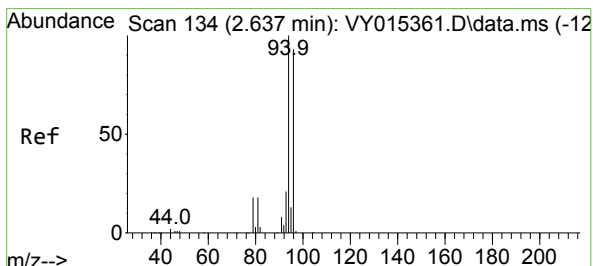
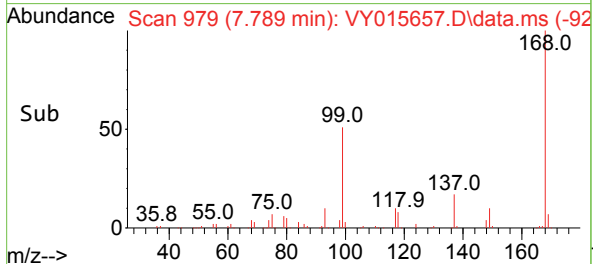
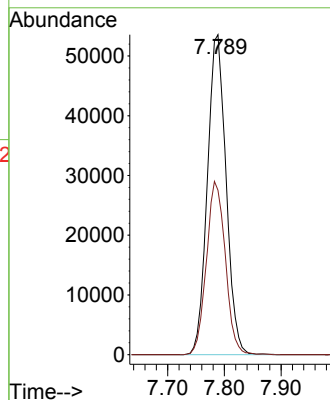
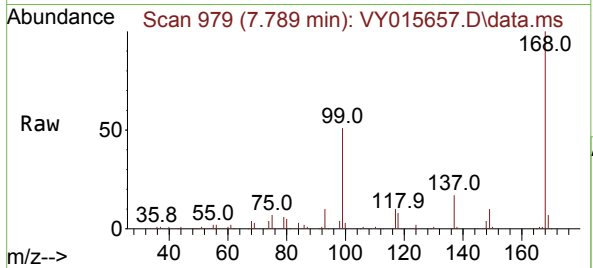




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

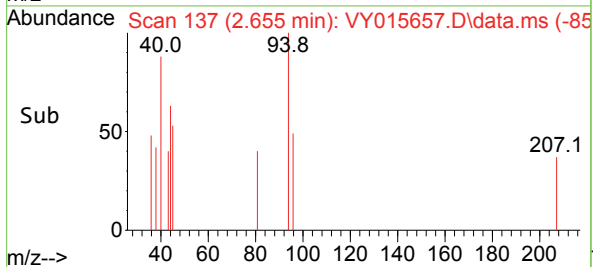
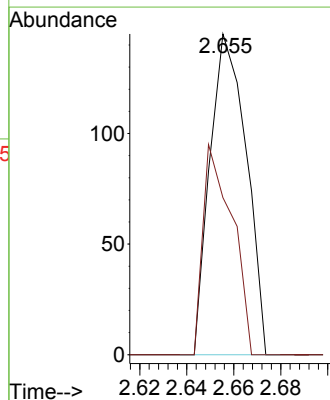
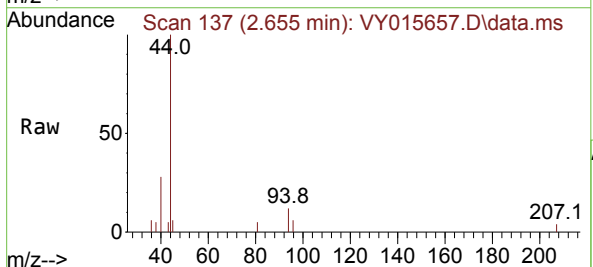
Instrument :  
MSVOA\_Y  
ClientSampleId :

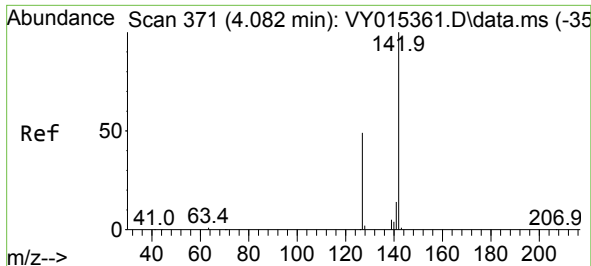
Tgt Ion:168 Resp: 122411  
Ion Ratio Lower Upper  
168 100  
99 51.4 43.4 65.0



#5  
Bromomethane  
Concen: 2.684 ug/l  
RT: 2.655 min Scan# 137  
Delta R.T. 0.018 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

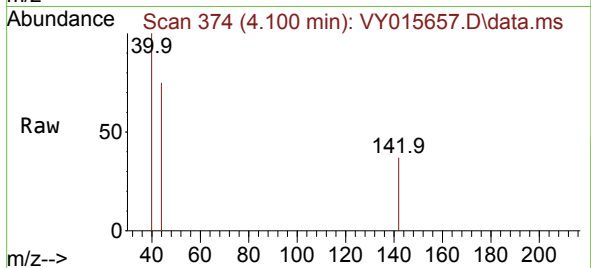
Tgt Ion: 94 Resp: 155  
Ion Ratio Lower Upper  
94 100  
96 49.0 75.8 113.6#



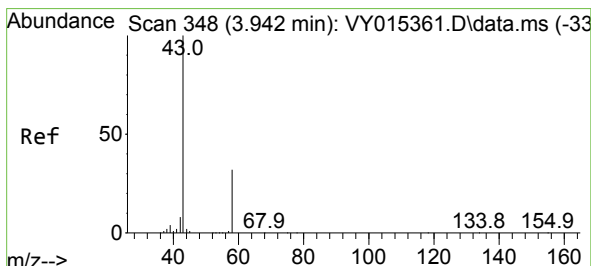
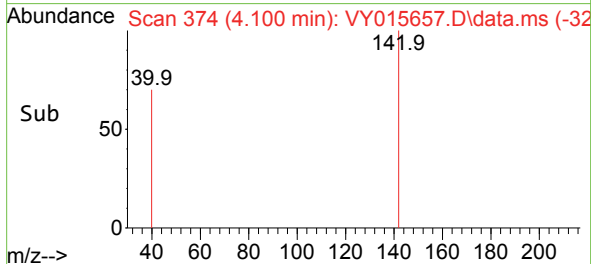
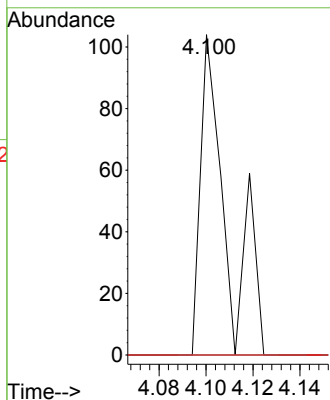


#10  
Methyl Iodide  
Concen: 2.782 ug/l  
RT: 4.100 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

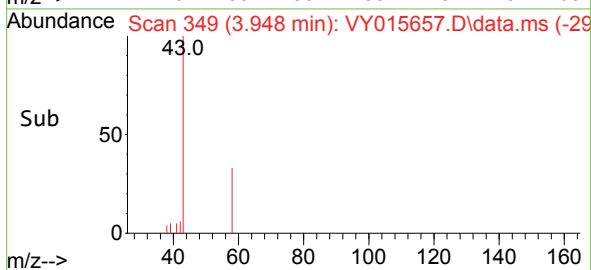
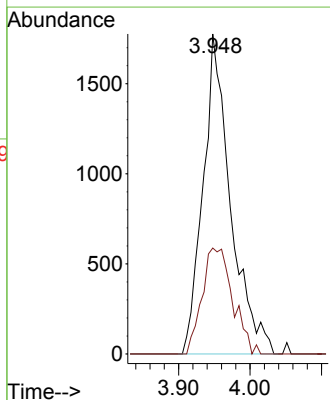
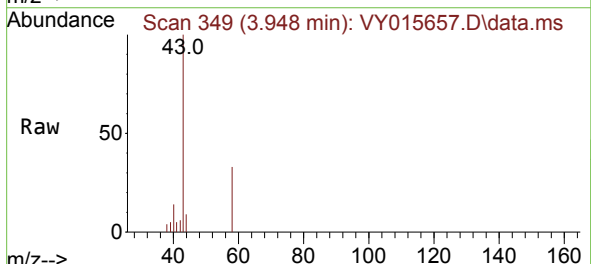


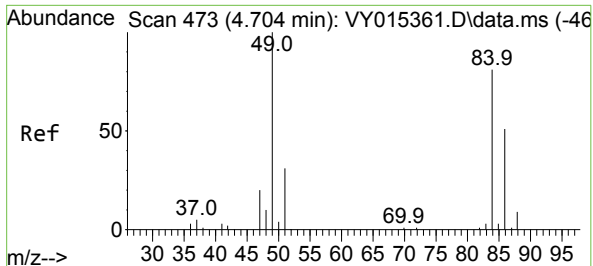
Tgt Ion:142 Resp: 81  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#



#16  
Acetone  
Concen: 6.586 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

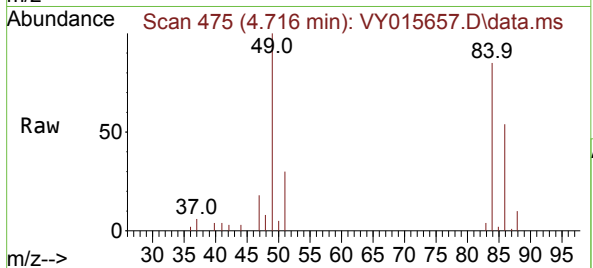
Tgt Ion: 43 Resp: 4747  
Ion Ratio Lower Upper  
43 100  
58 33.1 22.7 34.1



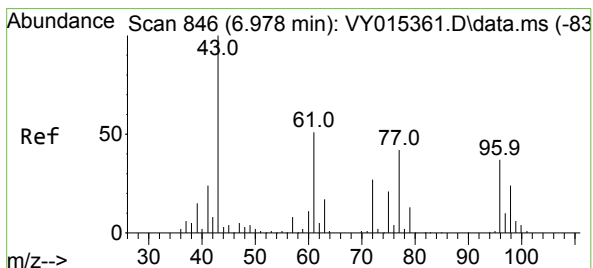
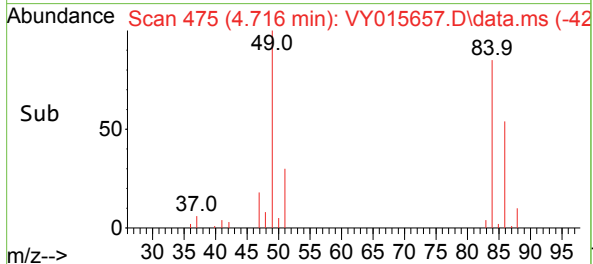
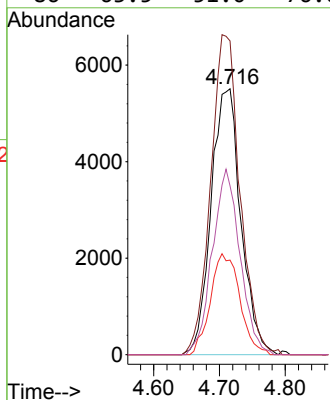


#20  
Methylene Chloride  
Concen: 6.819 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

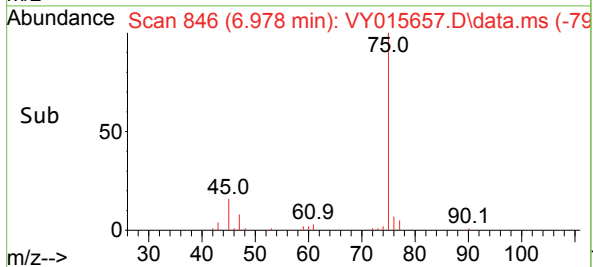
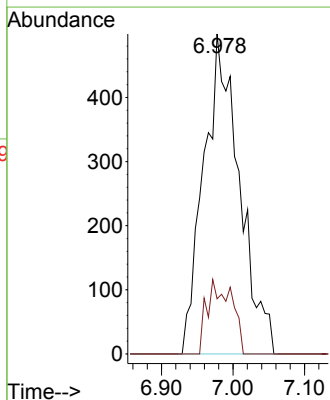
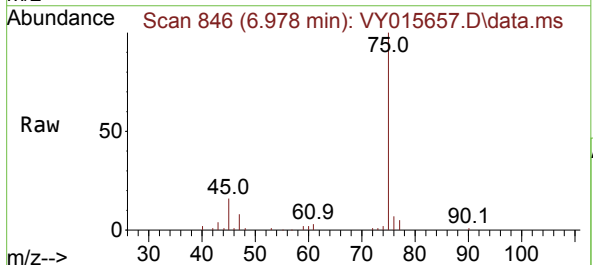


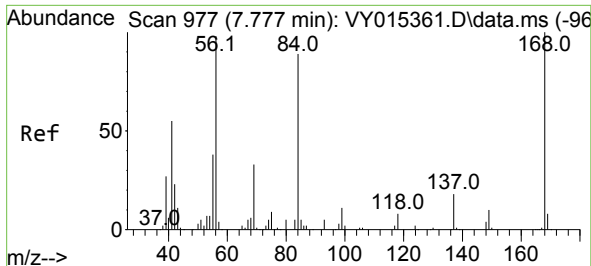
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 17362 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 118.0 | 106.9 | 160.3 |
| 51       | 35.6  | 33.2  | 49.8  |
| 86       | 63.5  | 51.0  | 76.6  |



#25  
2-Butanone  
Concen: 1.692 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

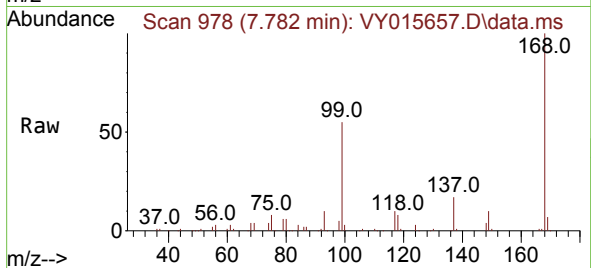
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1724  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.2  | 20.5  | 30.7# |



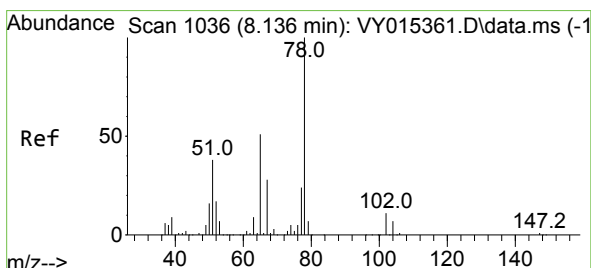
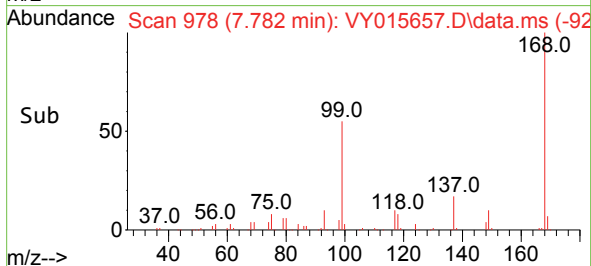
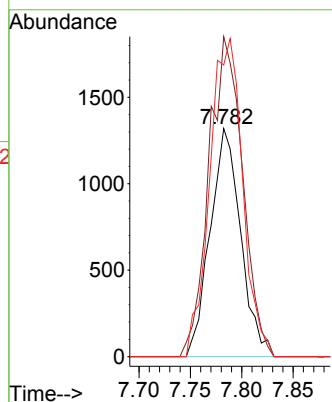


#31  
Cyclohexane  
Concen: 1.462 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

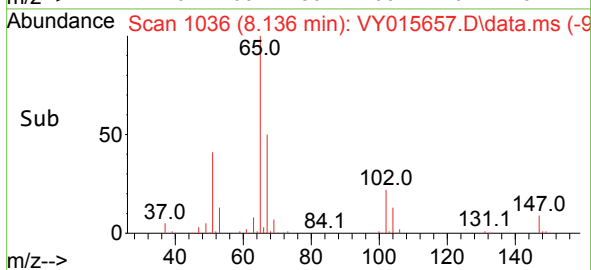
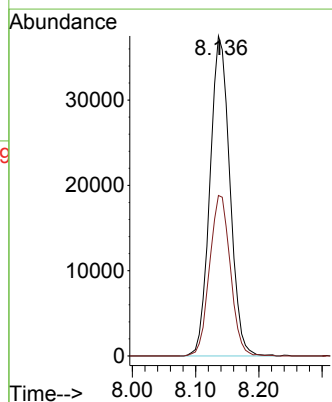
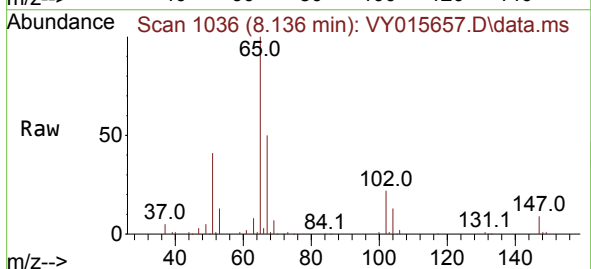


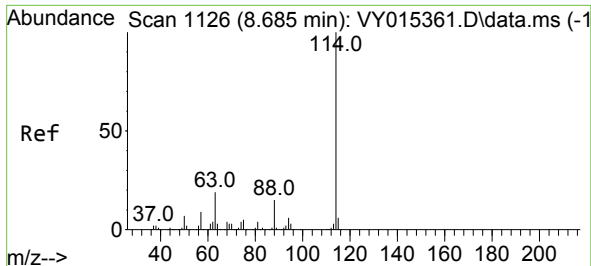
Tgt Ion: 56 Resp: 2727  
Ion Ratio Lower Upper  
56 100  
69 140.2 27.8 41.6#  
84 127.8 66.4 99.6#



#33  
1,2-Dichloroethane-d4  
Concen: 60.861 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Tgt Ion: 65 Resp: 81971  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 101.8

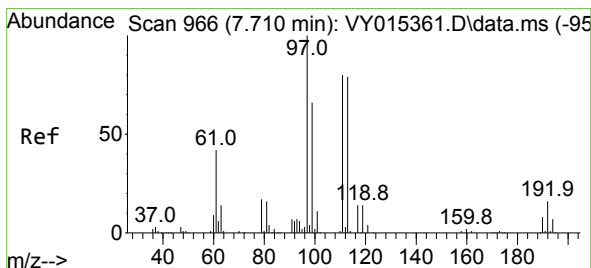
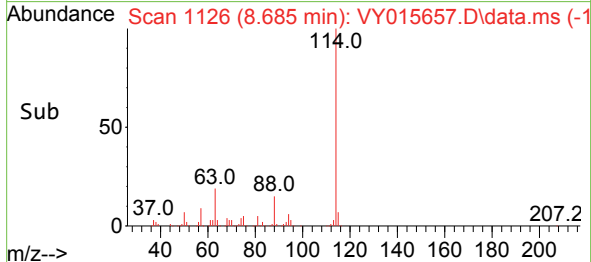
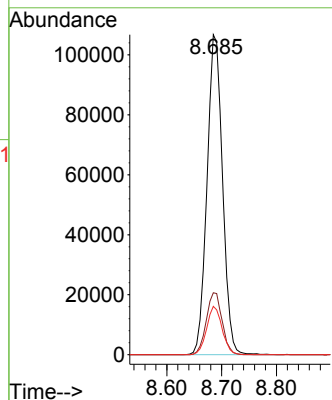
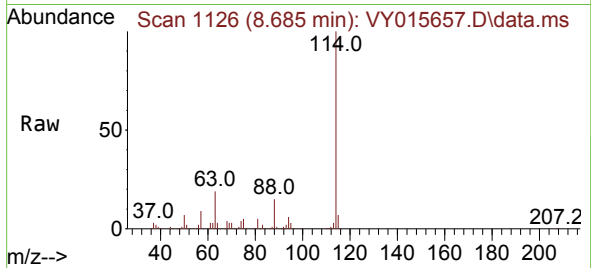




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

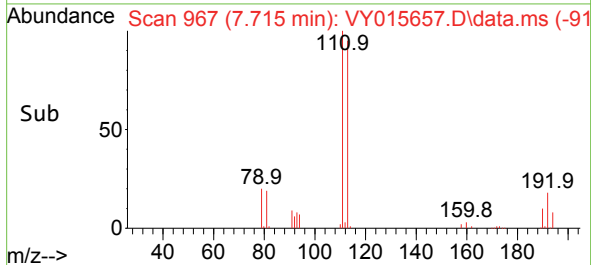
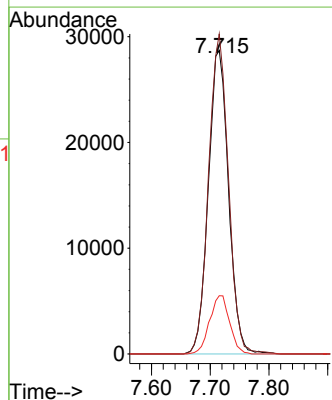
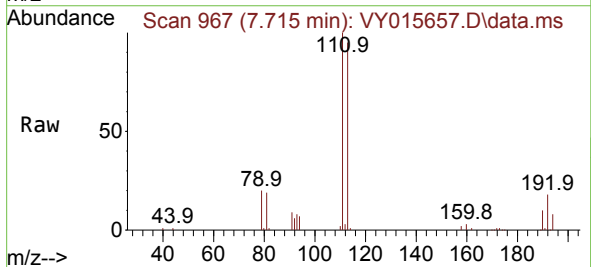
Instrument :  
MSVOA\_Y  
ClientSampleId :

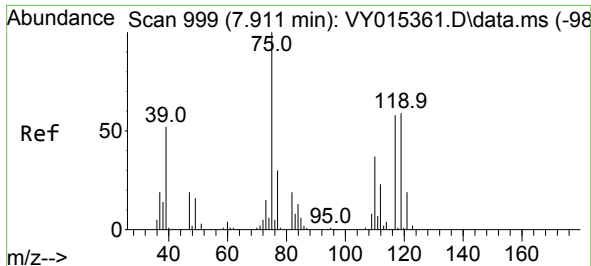
Tgt Ion:114 Resp: 209270  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.4  
88 15.1 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.843 ug/l  
RT: 7.715 min Scan# 967  
Delta R.T. -0.001 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Tgt Ion:113 Resp: 68694  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.3 121.9  
192 19.0 16.9 25.3

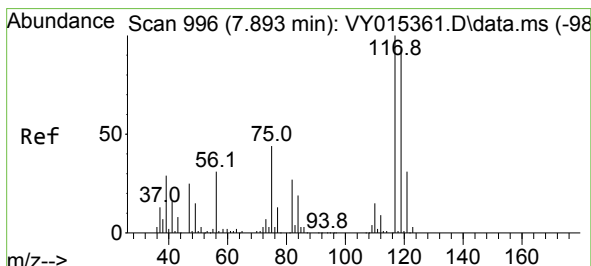
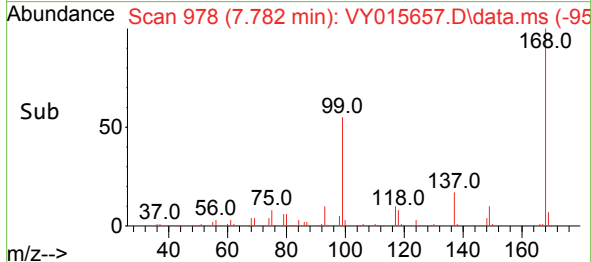
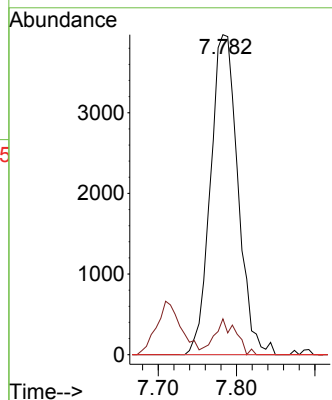
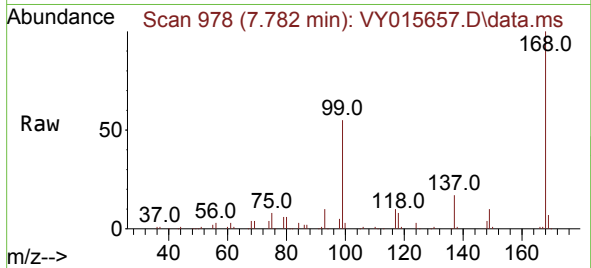




#36  
1,1-Dichloropropene  
Concen: 5.211 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.129 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

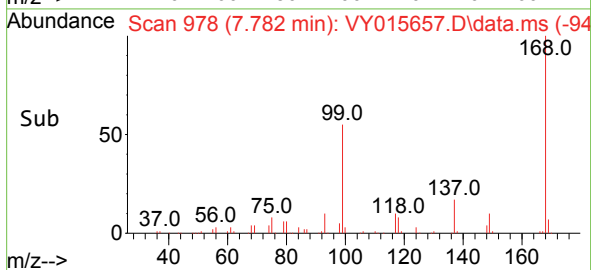
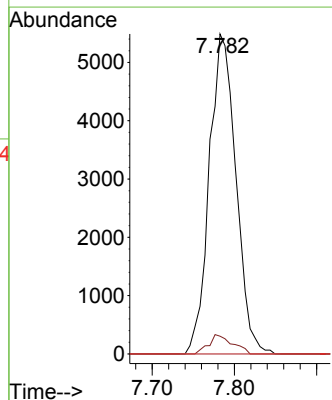
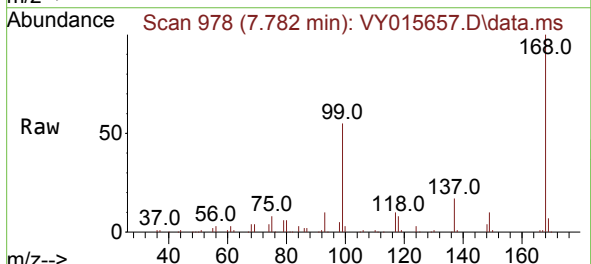
Instrument :  
MSVOA\_Y  
ClientSampleId :

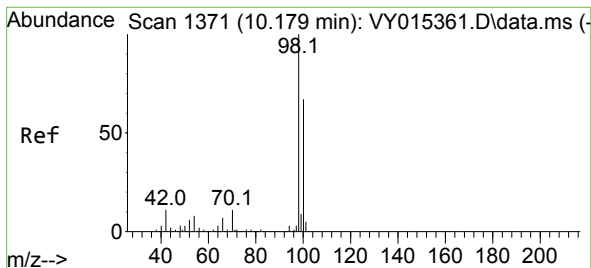
Tgt Ion: 75 Resp: 9650  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.8 53.5#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.148 ug/l  
RT: 7.782 min Scan# 978  
Delta R.T. -0.111 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Tgt Ion: 117 Resp: 12360  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.4 114.6#  
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.219 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY015657.D

Acq: 20 Sep 2023 14:32

Instrument :

MSVOA\_Y

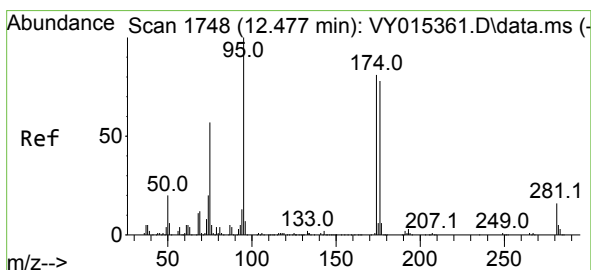
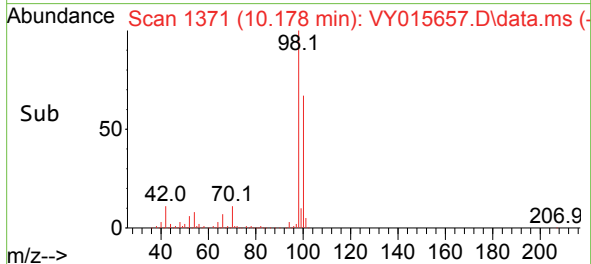
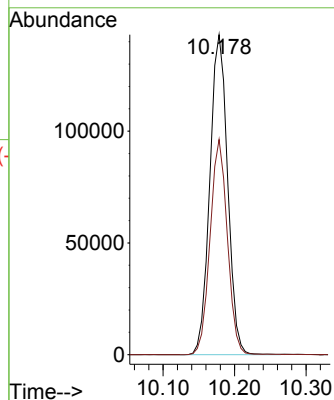
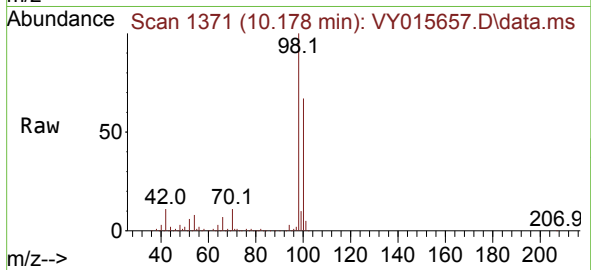
ClientSampleId :

Tgt Ion: 98 Resp: 247253

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.273 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY015657.D

Acq: 20 Sep 2023 14:32

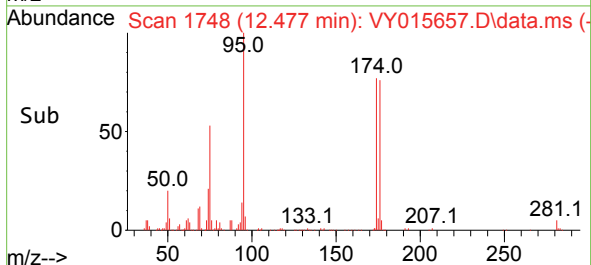
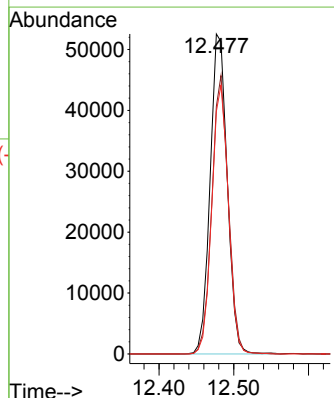
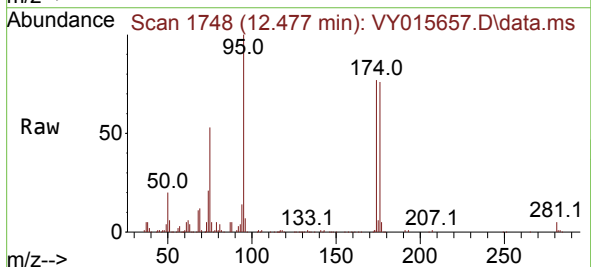
Tgt Ion: 95 Resp: 83787

Ion Ratio Lower Upper

95 100

174 83.8 0.0 178.2

176 81.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015657.D

Acq: 20 Sep 2023 14:32

Instrument :

MSVOA\_Y

ClientSampleId :

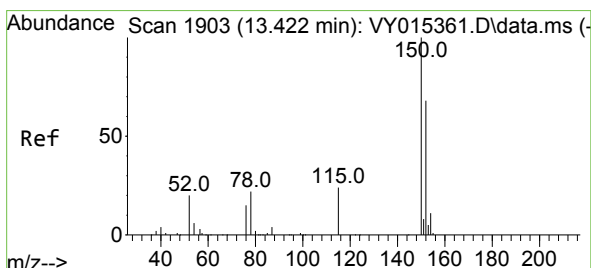
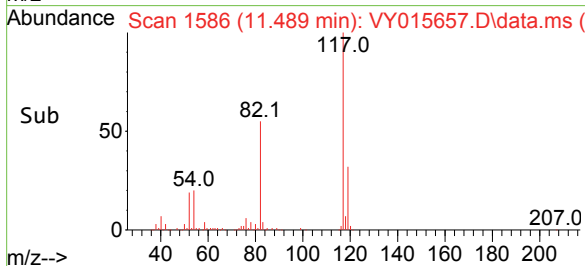
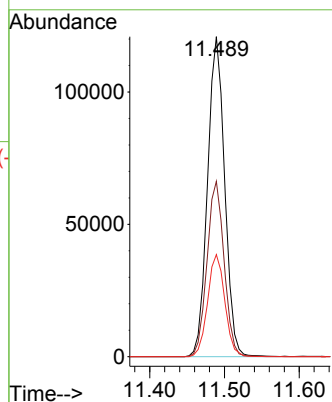
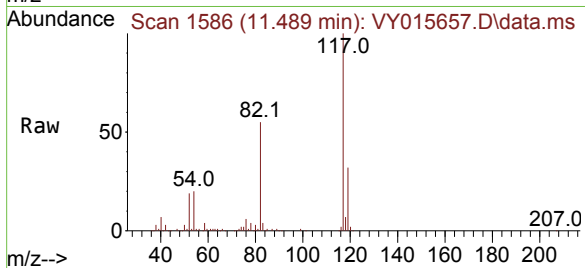
Tgt Ion:117 Resp: 192683

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015657.D

Acq: 20 Sep 2023 14:32

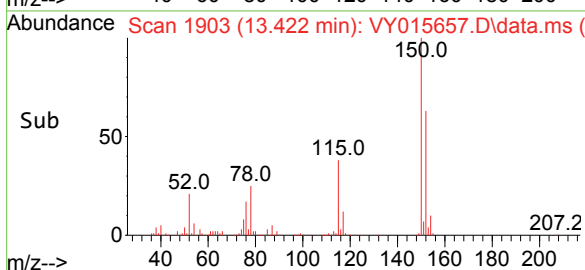
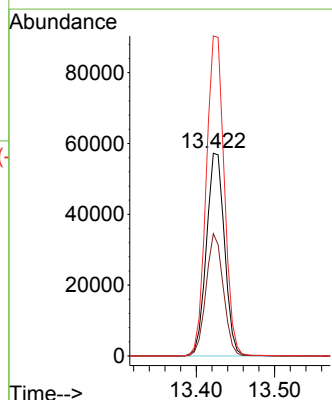
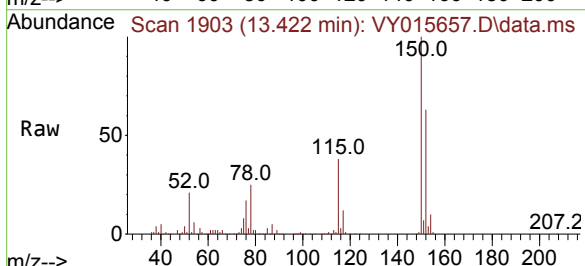
Tgt Ion:152 Resp: 91720

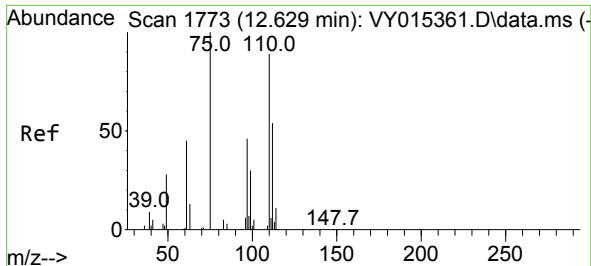
Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 156.8 0.0 348.8

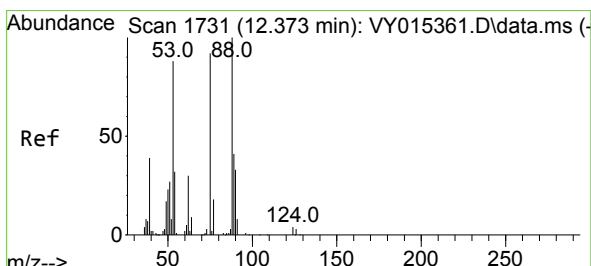
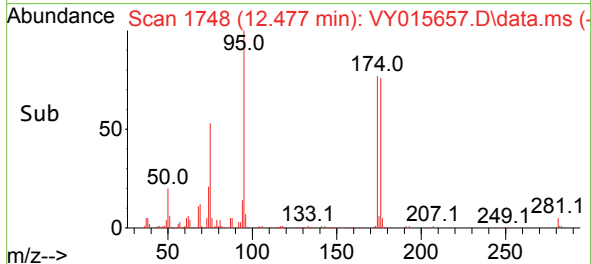
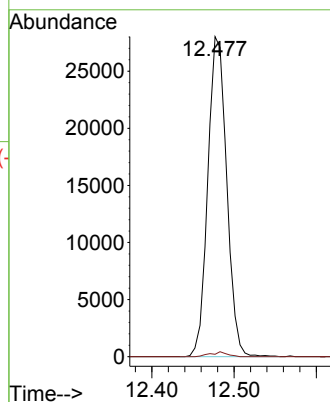
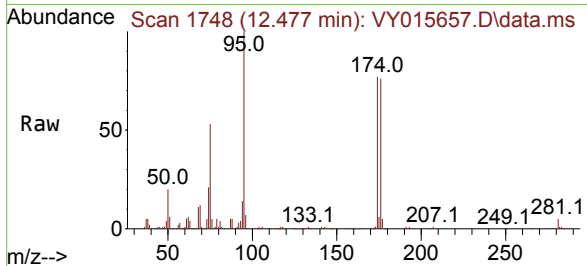




#76  
1,2,3-Trichloropropane  
Concen: 30.580 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 44746  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 68.863 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY015657.D  
Acq: 20 Sep 2023 14:32

Tgt Ion: 75 Resp: 44746  
Ion Ratio Lower Upper  
75 100  
53 0.1 77.8 116.8#  
89 0.1 37.4 56.0#

