

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
 Data File : VY015921.D  
 Acq On : 11 Oct 2023 14:11  
 Operator : SY/MD  
 Sample : 04784-01RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 12 01:56:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 10 07:06:18 2023  
 Response via : Initial Calibration

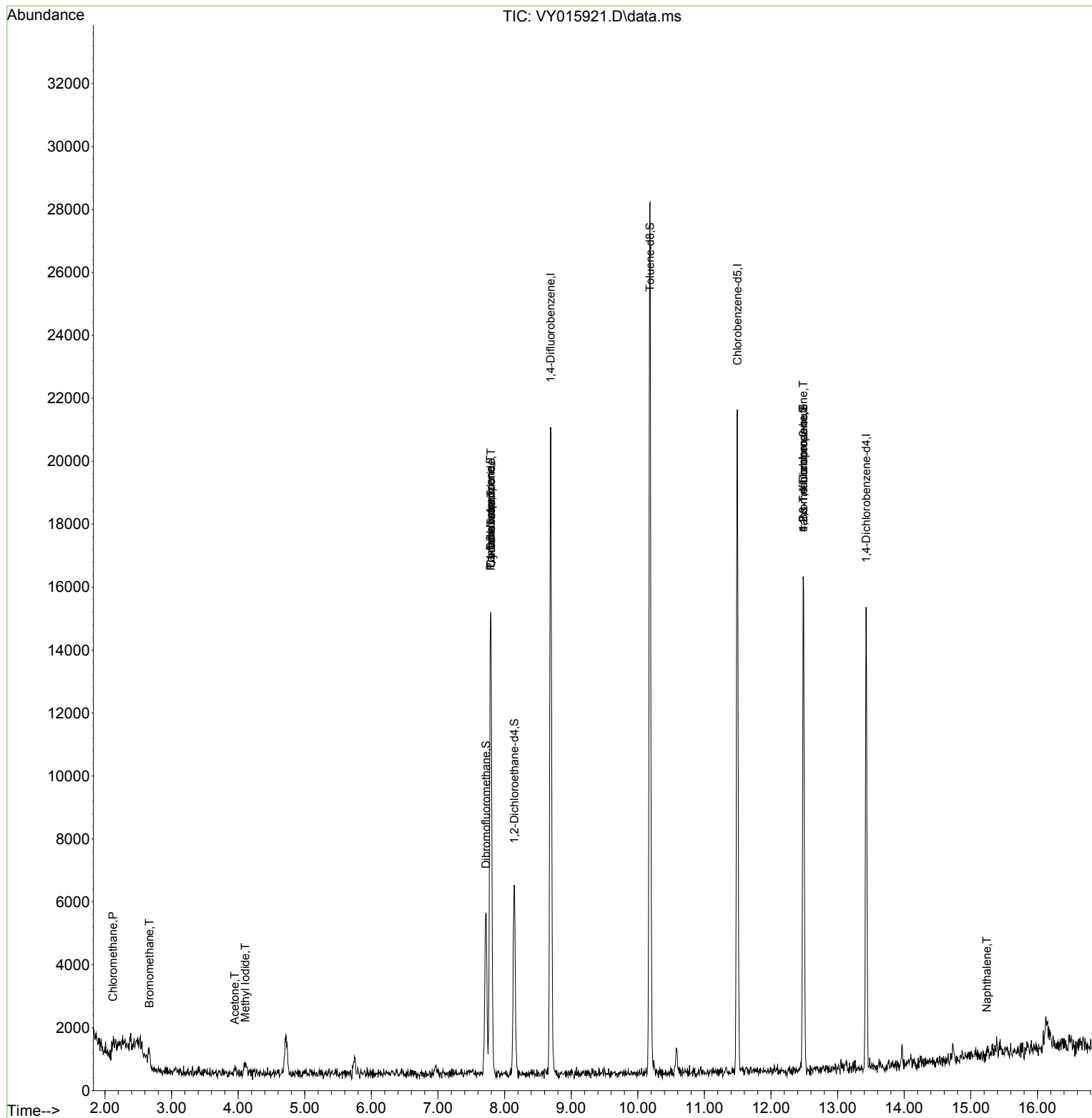
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 13067    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 18225    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 12716    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 4057     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 5014     | 42.645    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 85.280%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 3847     | 37.844    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 75.680%  |
| 50) Toluene-d8                | 10.184 | 98    | 20006    | 59.715    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 119.420% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 4496     | 33.040    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 66.080%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.119  | 50    | 224      | 4.190     | ug/l   | 93       |
| 5) Bromomethane               | 2.668  | 94    | 287      | 5.133     | ug/l # | 78       |
| 10) Methyl Iodide             | 4.106  | 142   | 565      | 7.738     | ug/l # | 69       |
| 16) Acetone                   | 3.948  | 43    | 254      | 10.399    | ug/l # | 46       |
| 20) Methylene Chloride        | 4.710  | 84    | 1064     | Below Cal | #      | 71       |
| 31) Cyclohexane               | 7.795  | 56    | 231      | 1.834     | ug/l # | 50       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 956      | 8.491     | ug/l # | 41       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 1086     | 8.032     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 2397     | 50.612    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 2397     | 112.232   | ug/l # | 10       |
| 95) Naphthalene               | 15.238 | 128   | 278      | 1.597     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

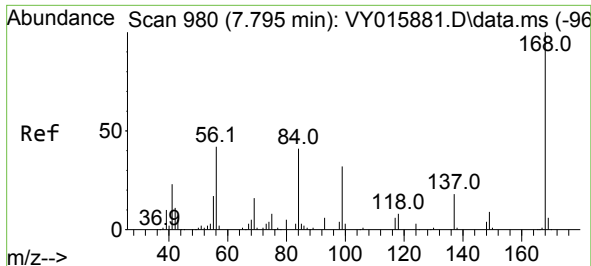
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
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Sample : 04784-01RE  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 12 01:56:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 10 07:06:18 2023  
Response via : Initial Calibration

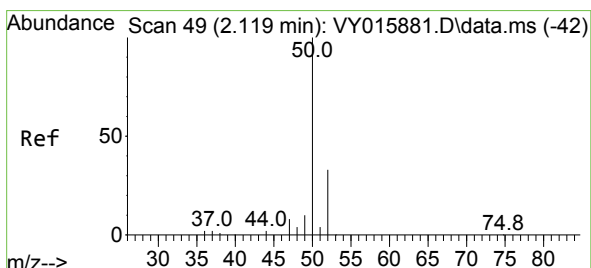
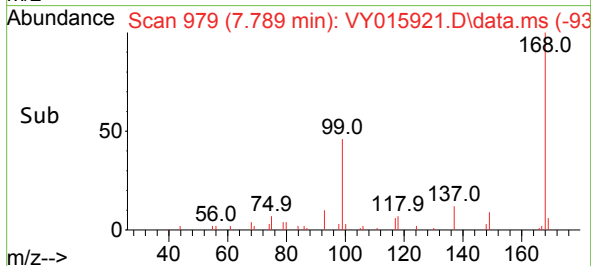
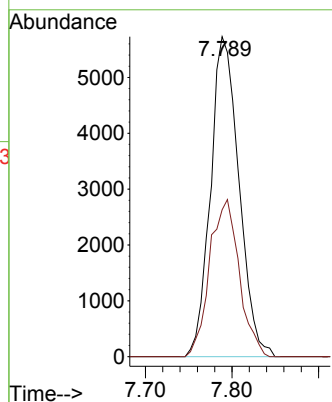
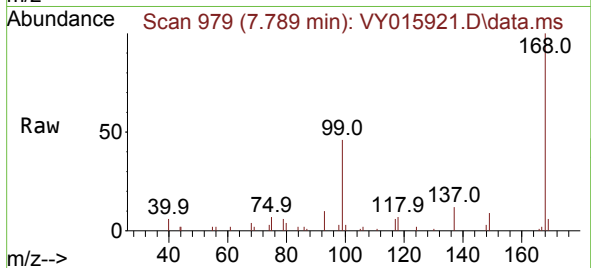




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

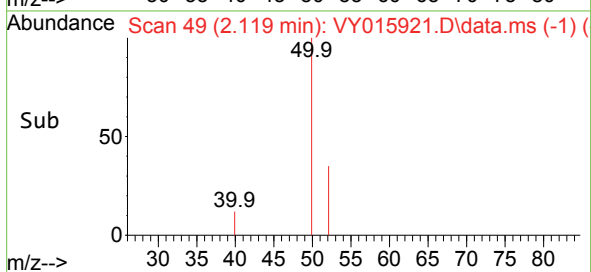
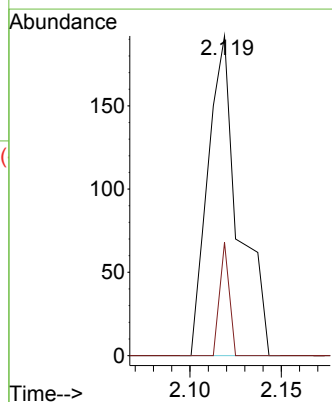
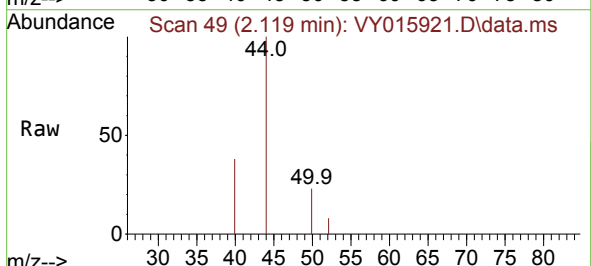
Instrument :  
MSVOA\_Y  
ClientSampleId :

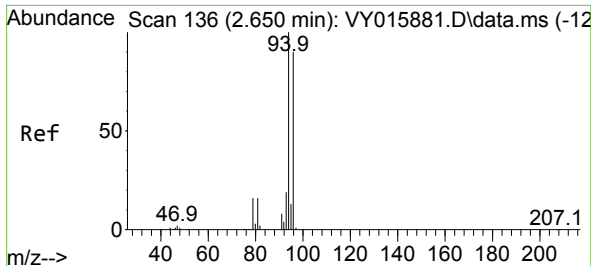
Tgt Ion:168 Resp: 13067  
Ion Ratio Lower Upper  
168 100  
99 45.9 43.4 65.0



#3  
Chloromethane  
Concen: 4.190 ug/l  
RT: 2.119 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Tgt Ion: 50 Resp: 224  
Ion Ratio Lower Upper  
50 100  
52 35.4 25.4 38.2

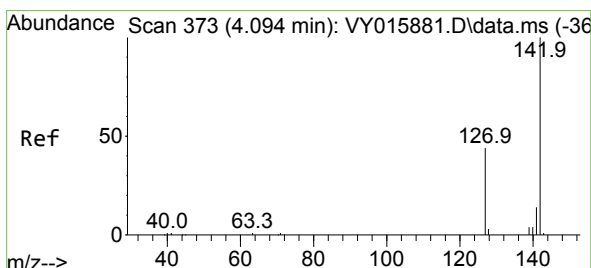
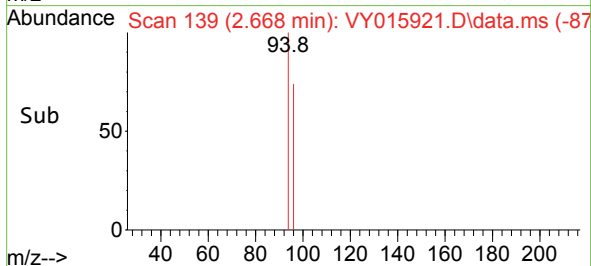
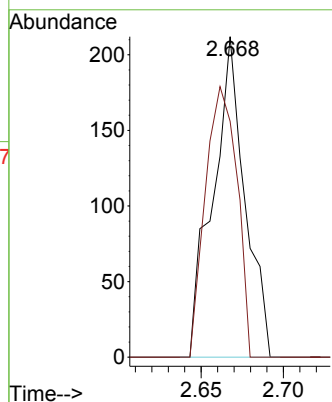
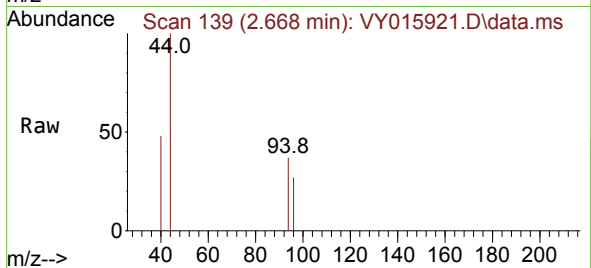




#5  
Bromomethane  
Concen: 5.133 ug/l  
RT: 2.668 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

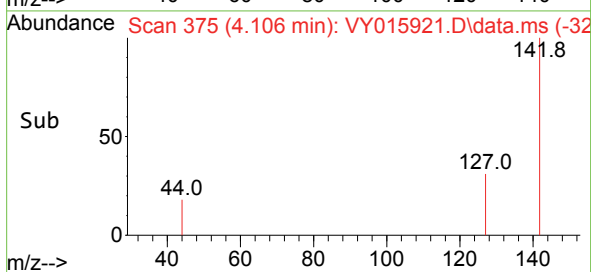
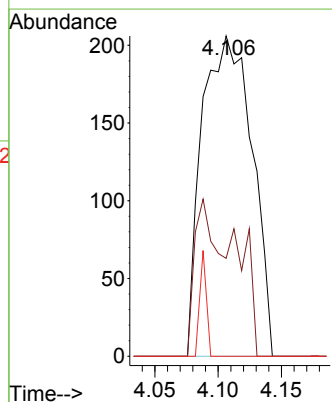
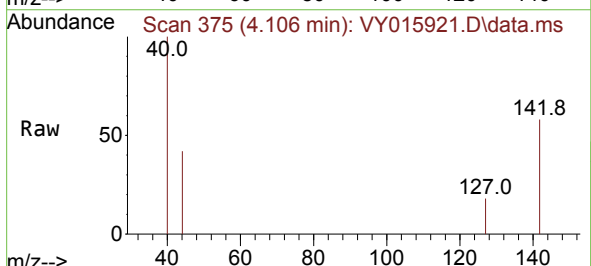
Instrument :  
MSVOA\_Y  
ClientSampleId :

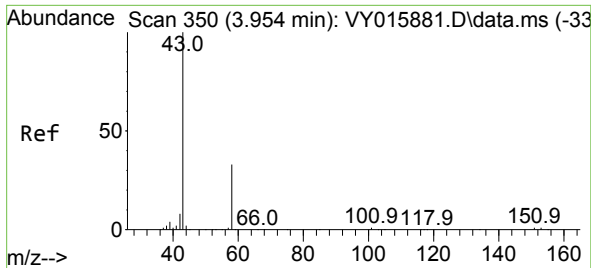
Tgt Ion: 94 Resp: 287  
Ion Ratio Lower Upper  
94 100  
96 73.6 75.8 113.6#



#10  
Methyl Iodide  
Concen: 7.738 ug/l  
RT: 4.106 min Scan# 375  
Delta R.T. 0.012 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Tgt Ion:142 Resp: 565  
Ion Ratio Lower Upper  
142 100  
127 24.8 37.6 56.4#  
141 4.4 11.8 17.8#

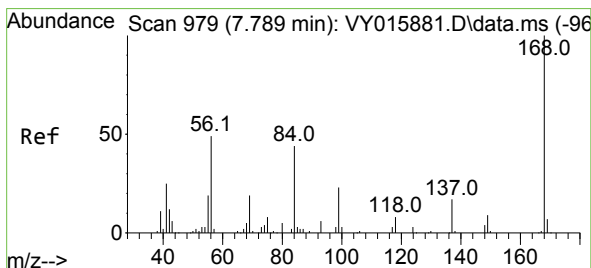
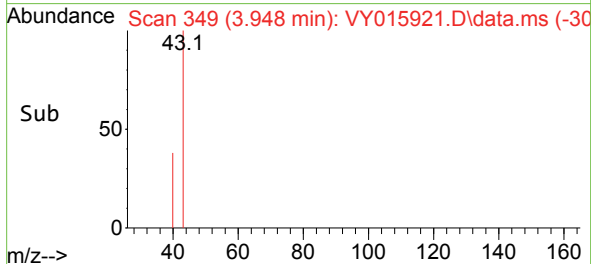
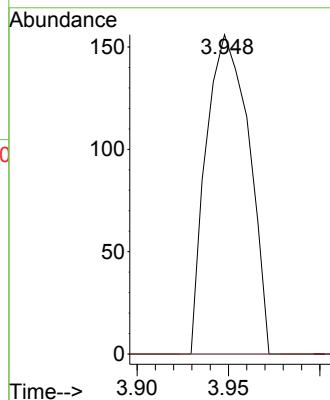
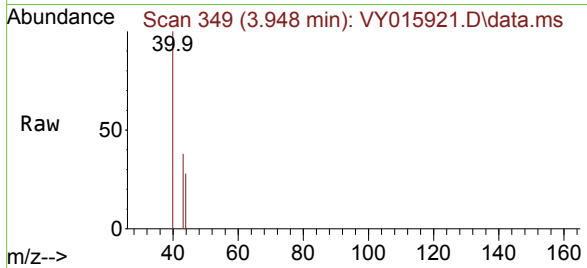




#16  
Acetone  
Concen: 10.399 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

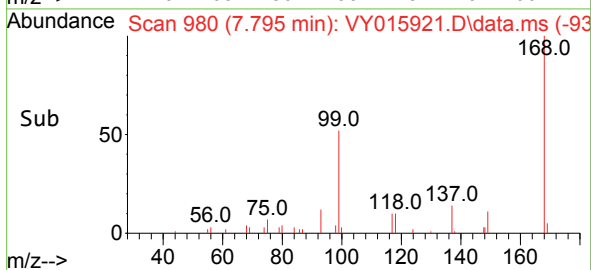
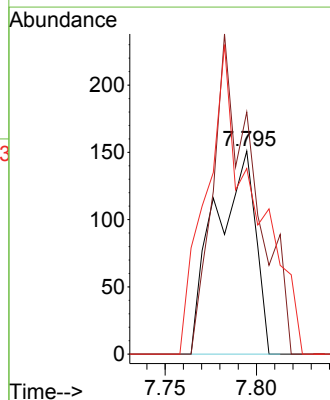
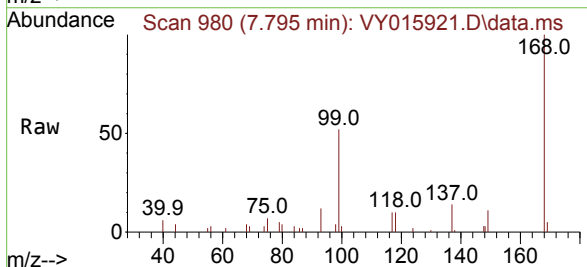
Instrument :  
MSVOA\_Y  
ClientSampleId :

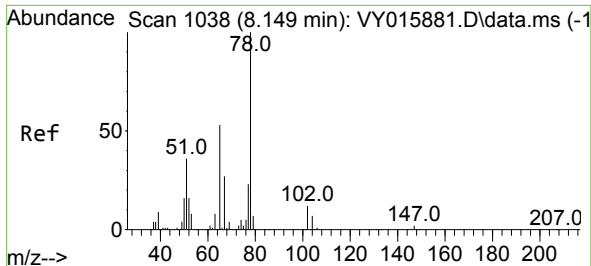
Tgt Ion: 43 Resp: 254  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.7 34.1#



#31  
Cyclohexane  
Concen: 1.834 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Tgt Ion: 56 Resp: 231  
Ion Ratio Lower Upper  
56 100  
69 119.2 27.8 41.6#  
84 91.4 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 42.645 ug/l

RT: 8.148 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY015921.D

Acq: 11 Oct 2023 14:11

Instrument :

MSVOA\_Y

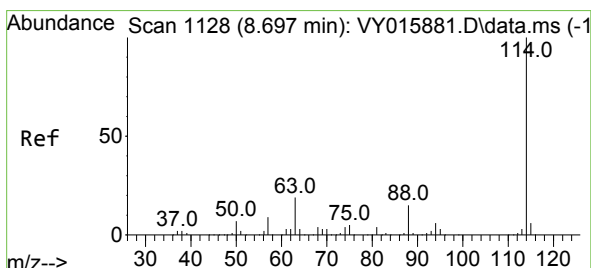
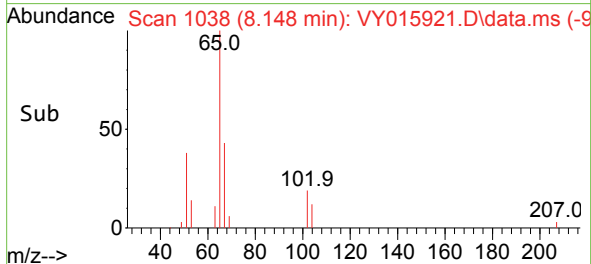
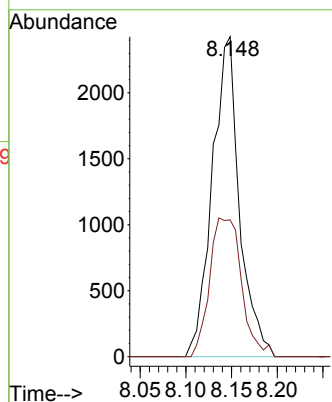
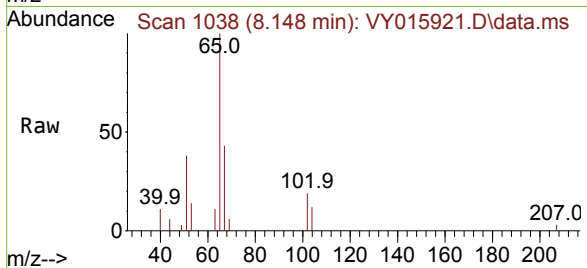
ClientSampleId :

Tgt Ion: 65 Resp: 5014

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015921.D

Acq: 11 Oct 2023 14:11

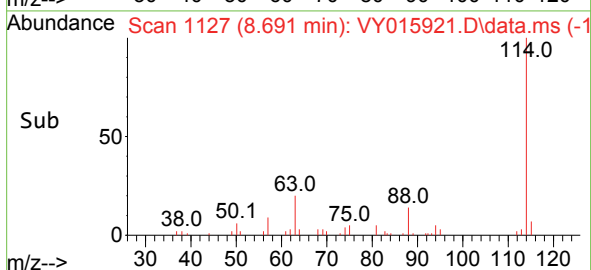
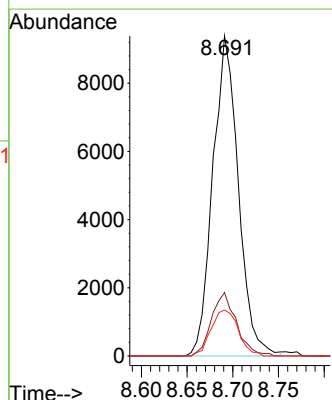
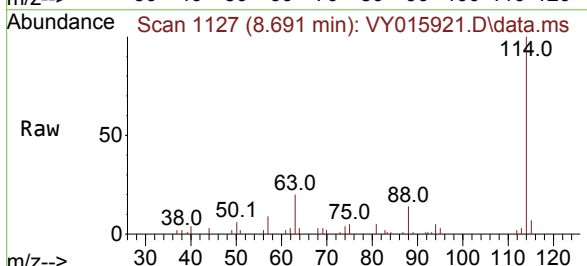
Tgt Ion: 114 Resp: 18225

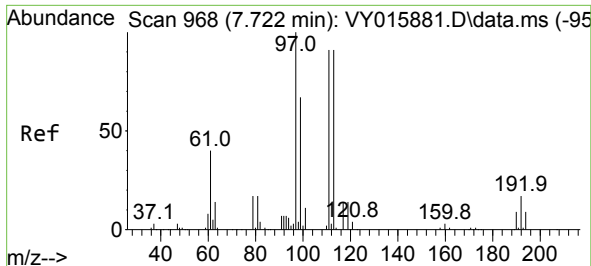
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

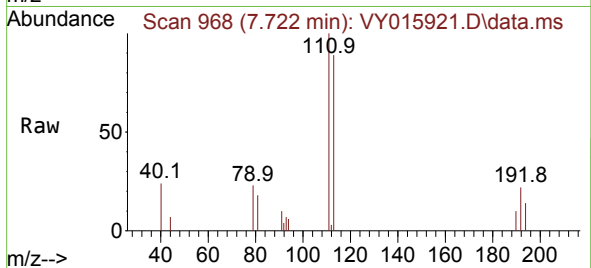
88 14.3 0.0 30.6



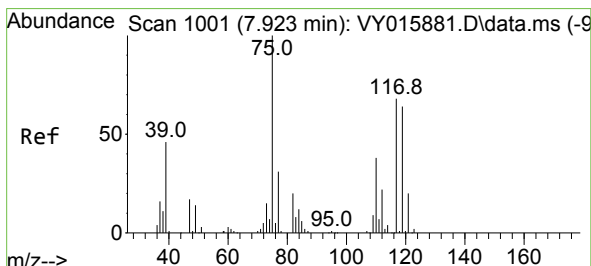
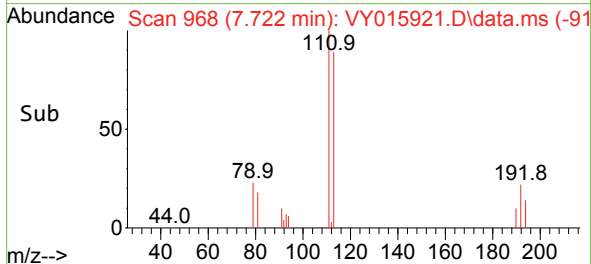
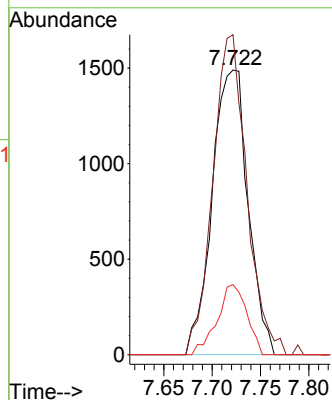


#35  
Dibromofluoromethane  
Concen: 37.844 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

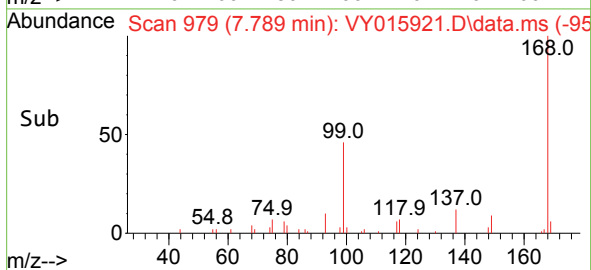
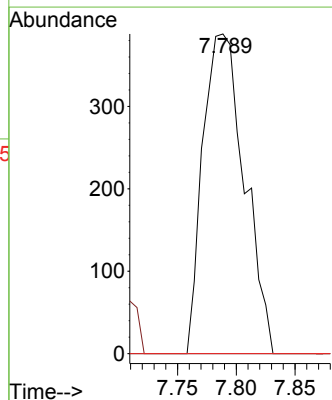
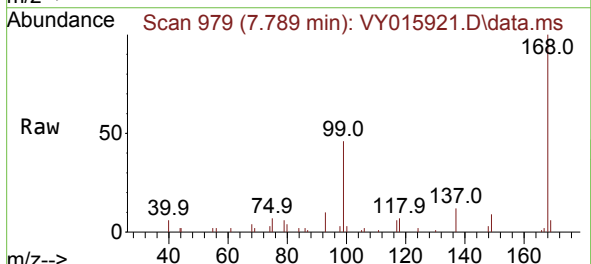


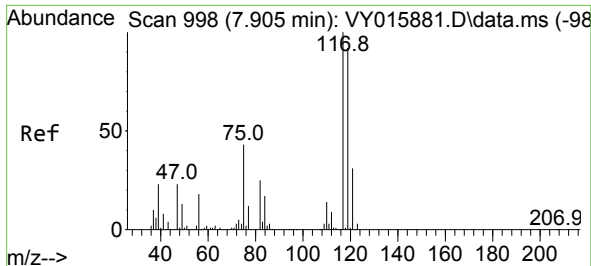
Tgt Ion:113 Resp: 3847  
Ion Ratio Lower Upper  
113 100  
111 106.0 81.3 121.9  
192 20.4 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 8.491 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

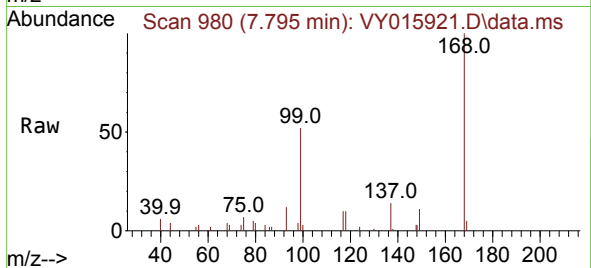
Tgt Ion: 75 Resp: 956  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.5#  
77 0.0 24.4 36.6#



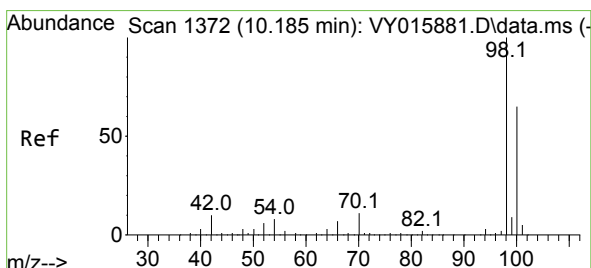
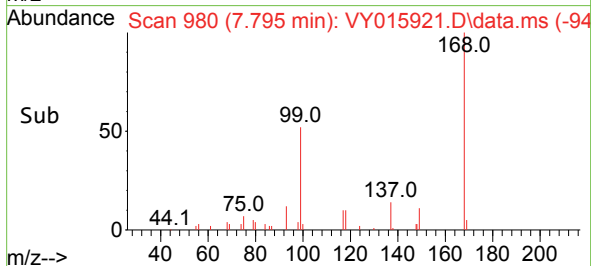
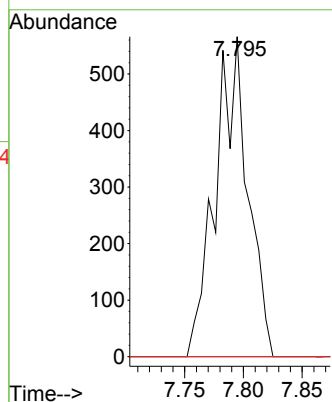


#38  
Carbon Tetrachloride  
Concen: 8.032 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Instrument :  
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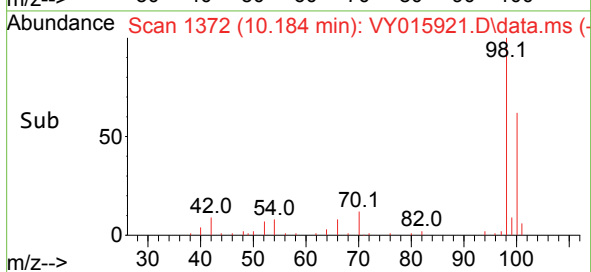
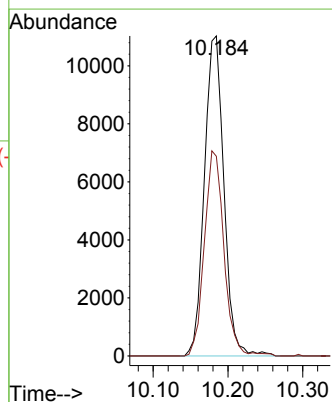
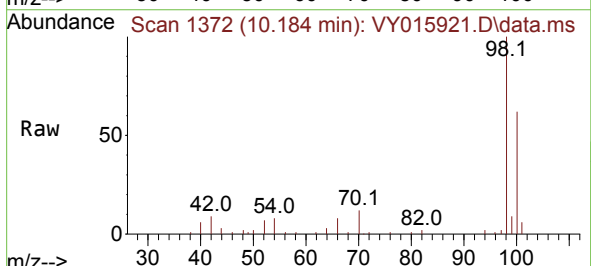


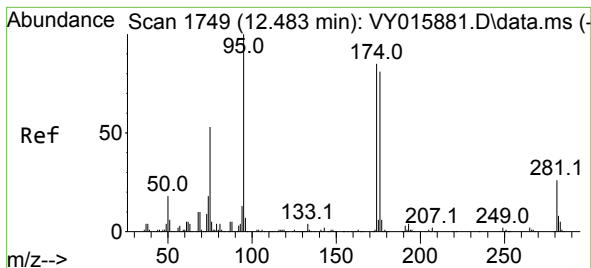
Tgt Ion:117 Resp: 1086  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 59.715 ug/l  
RT: 10.184 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

Tgt Ion: 98 Resp: 20006  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.1 75.1

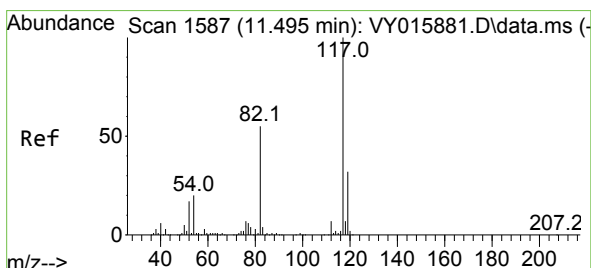
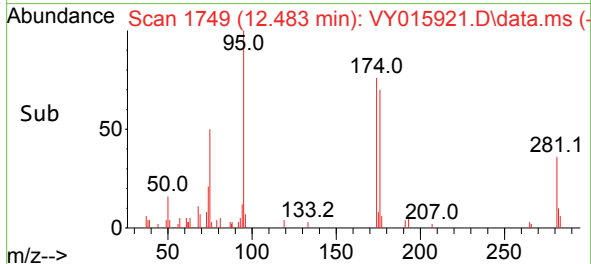
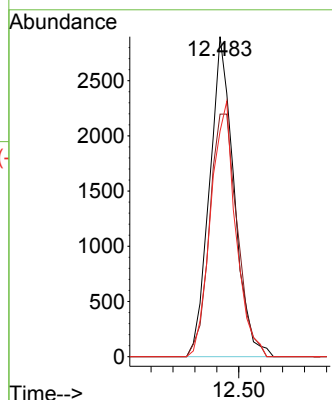
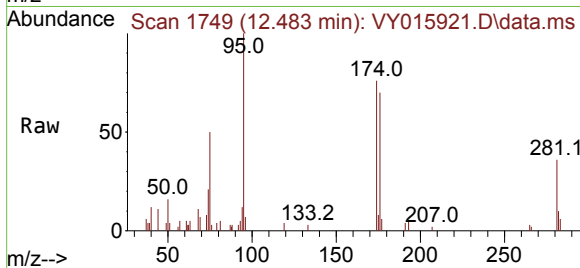




#62  
4-Bromofluorobenzene  
Concen: 33.040 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

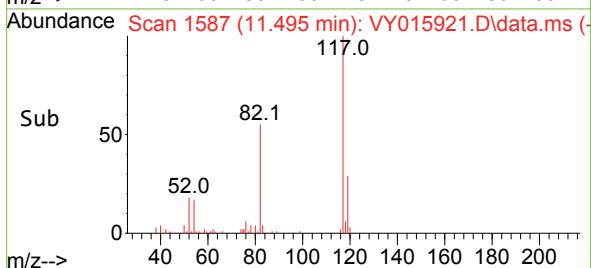
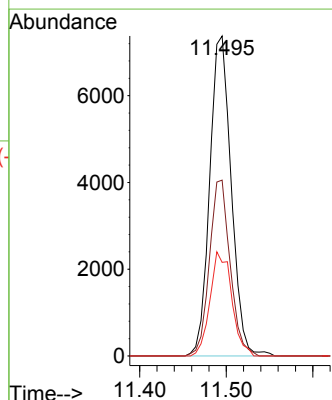
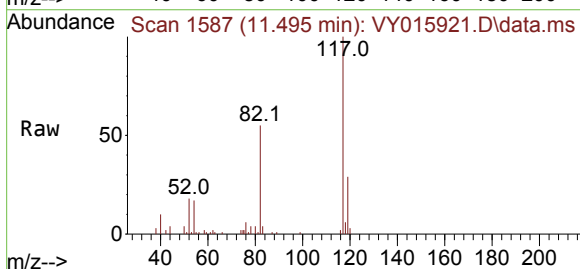
Instrument :  
MSVOA\_Y  
ClientSampleId :

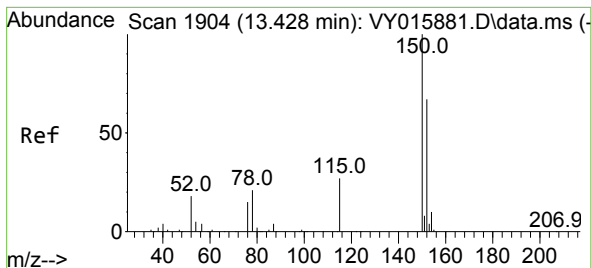
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.4  | 0.0   | 178.2 |
| 176     | 81.1  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.0  | 43.4  | 65.0  |
| 119     | 29.3  | 26.3  | 39.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

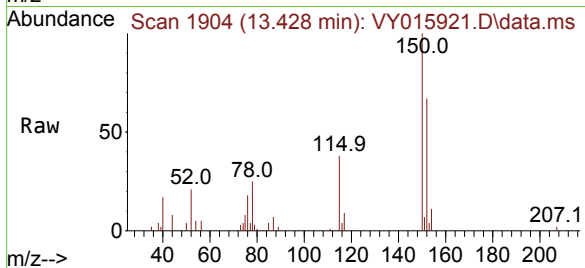
Lab File: VY015921.D

Acq: 11 Oct 2023 14:11

Instrument :

MSVOA\_Y

ClientSampleId :



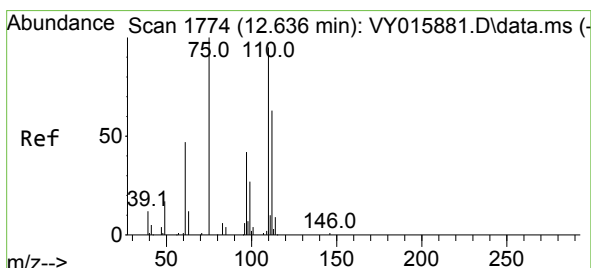
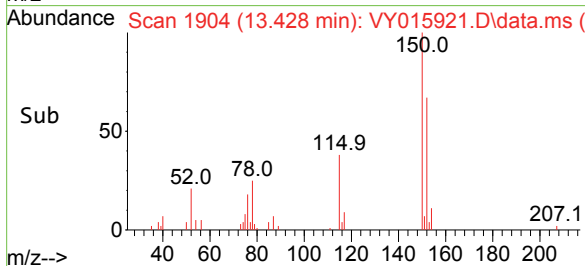
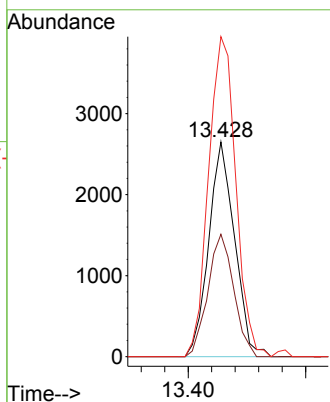
Tgt Ion:152 Resp: 4057

Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 156.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 50.612 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY015921.D

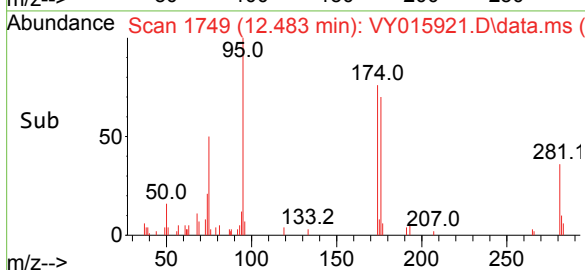
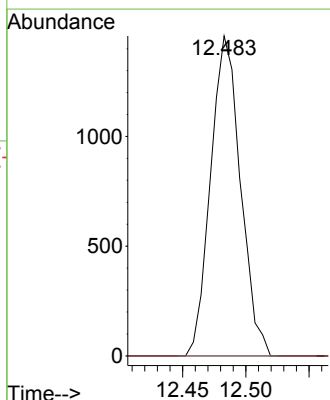
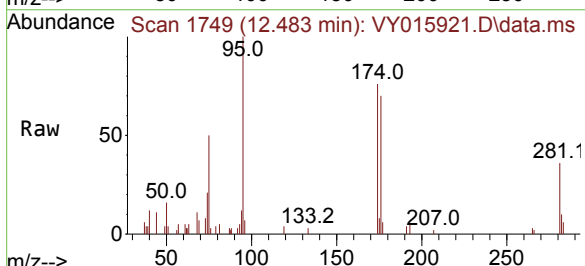
Acq: 11 Oct 2023 14:11

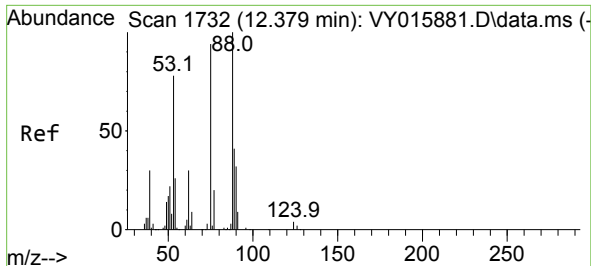
Tgt Ion: 75 Resp: 2397

Ion Ratio Lower Upper

75 100

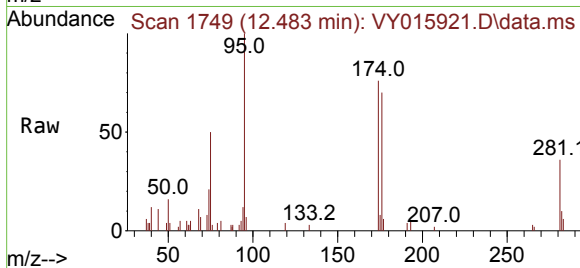
77 0.0 0.0 0.0



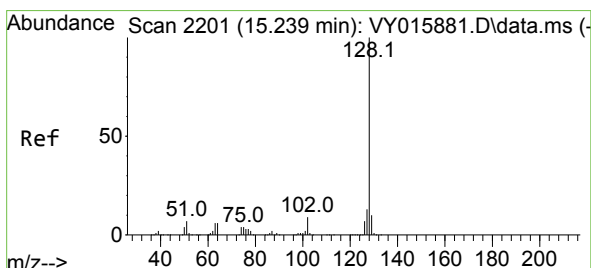
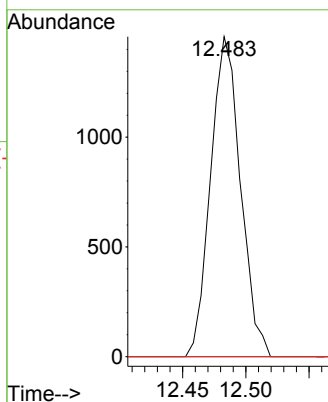
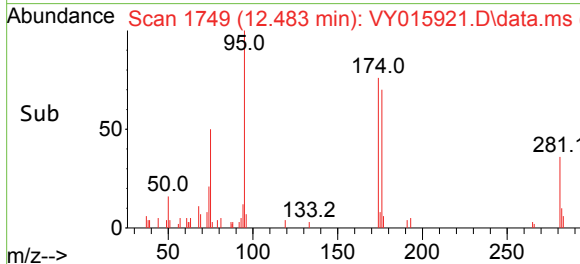


#81  
trans-1,4-Dichloro-2-butene  
Concen: 112.232 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11

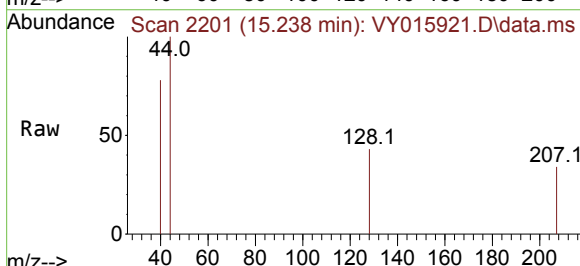
Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 2397  
Ion Ratio Lower Upper  
75 100  
53 0.0 77.8 116.8#  
89 0.0 37.4 56.0#



#95  
Naphthalene  
Concen: 1.597 ug/l  
RT: 15.238 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY015921.D  
Acq: 11 Oct 2023 14:11



Tgt Ion: 128 Resp: 278  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.8 16.2#  
129 0.0 8.6 13.0#

