

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081523\  
 Data File : VY015130.D  
 Acq On : 16 Aug 2023 02:29  
 Operator : SY/MD  
 Sample : 03973-07  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 16 04:26:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

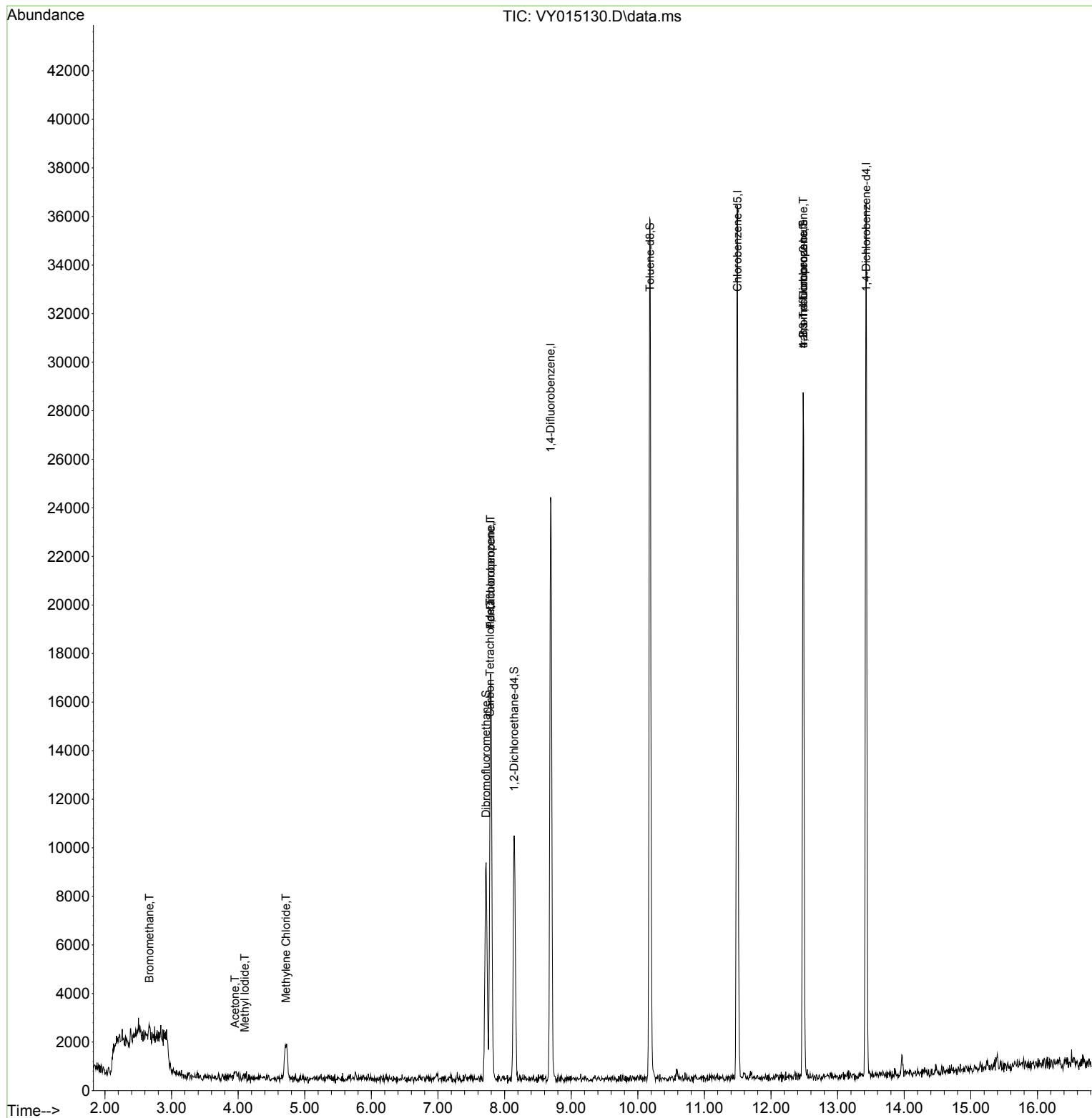
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 13852    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 22078    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 20529    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 9431     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 8304     | 49.940    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 99.880%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 6374     | 44.876    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 89.760%  |
| 50) Toluene-d8                | 10.185 | 98    | 25047    | 47.371    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 94.740%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 8929     | 46.236    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 92.480%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.119  | 50    | 168      | Below Cal | #      | 43       |
| 5) Bromomethane               | 2.668  | 94    | 275      | 2.199     | ug/l   | 88       |
| 10) Methyl Iodide             | 4.101  | 142   | 221      | 1.950     | ug/l # | 38       |
| 16) Acetone                   | 3.954  | 43    | 331      | 6.093     | ug/l   | 97       |
| 20) Methylene Chloride        | 4.716  | 84    | 1246     | 5.743     | ug/l # | 76       |
| 31) Cyclohexane               | 7.789  | 56    | 272      | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 1055     | 6.714     | ug/l # | 41       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 1445     | 7.770     | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 4708     | 41.089    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 4708     | 90.252    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

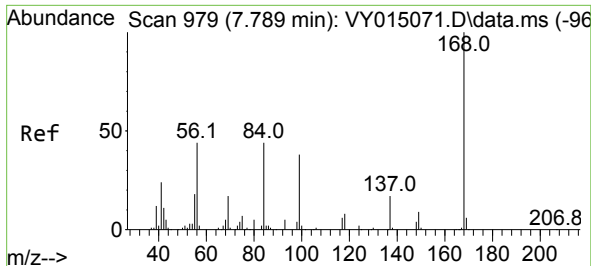
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 16 04:26:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 14 12:43:26 2023  
Response via : Initial Calibration

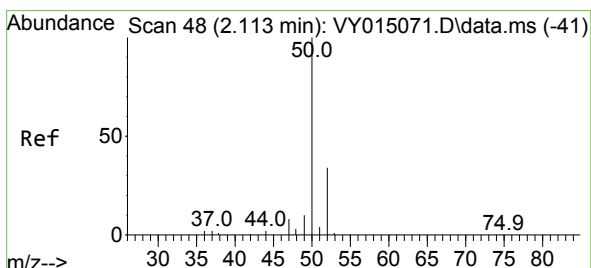
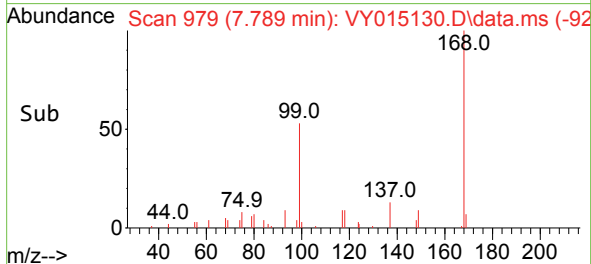
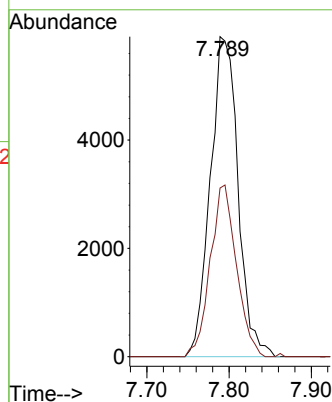
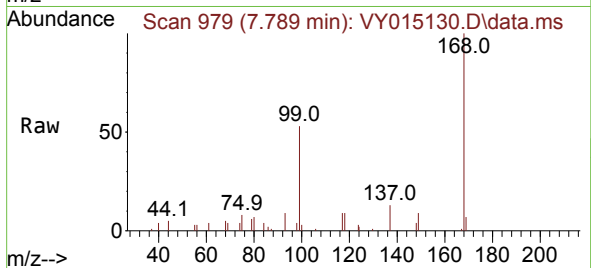




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

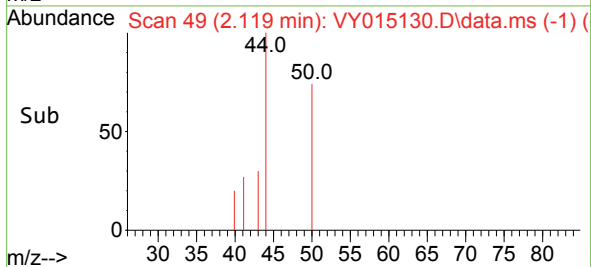
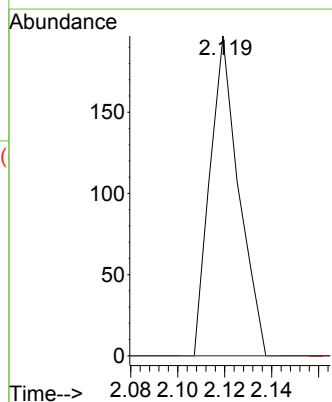
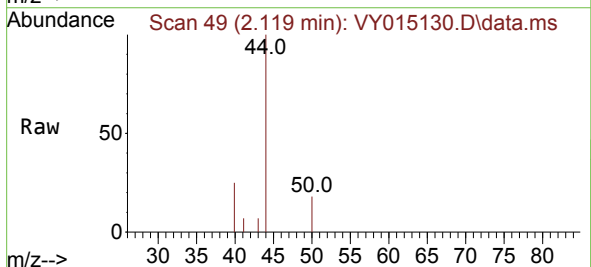
Instrument :  
MSVOA\_Y  
ClientSampleId :

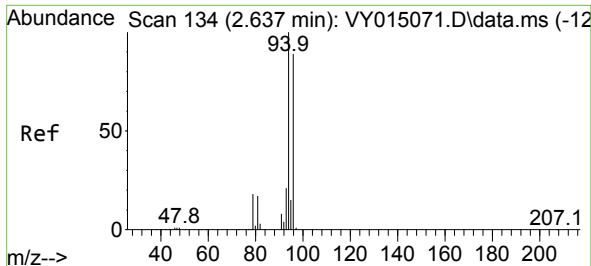
Tgt Ion:168 Resp: 13852  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.4 65.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.012 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

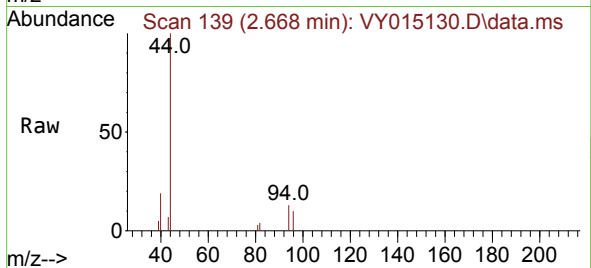
Tgt Ion: 50 Resp: 168  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#



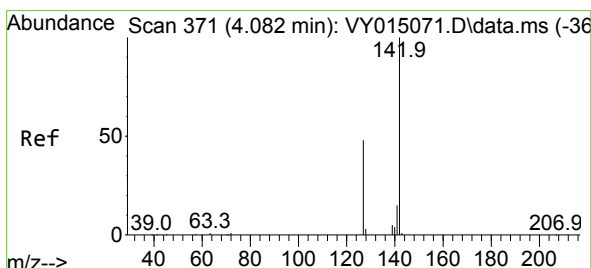
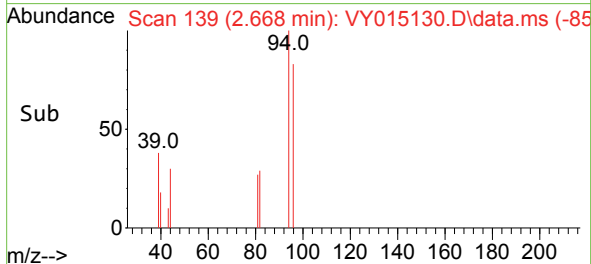
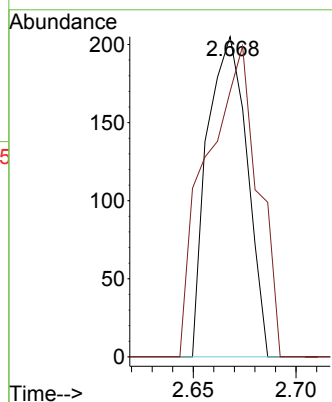


#5  
Bromomethane  
Concen: 2.199 ug/l  
RT: 2.668 min Scan# 11  
Delta R.T. 0.031 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

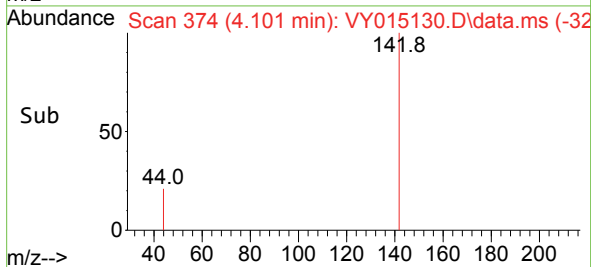
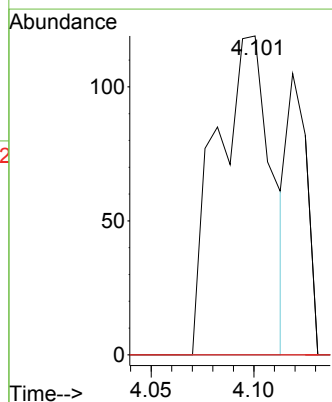
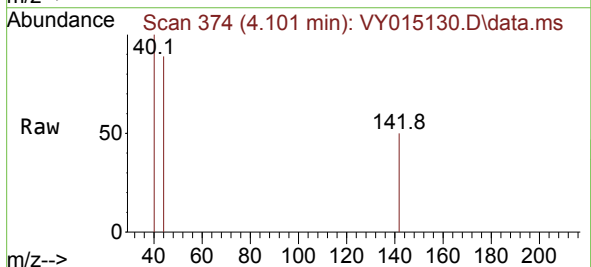


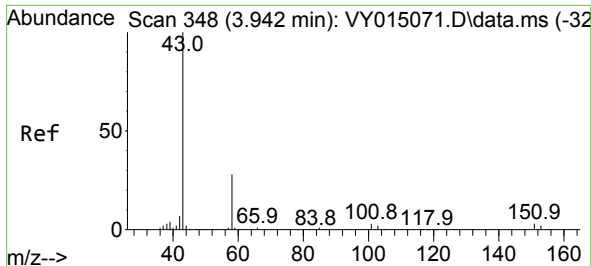
Tgt Ion: 94 Resp: 275  
Ion Ratio Lower Upper  
94 100  
96 82.9 75.8 113.6



#10  
Methyl Iodide  
Concen: 1.950 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.018 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

Tgt Ion:142 Resp: 221  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#

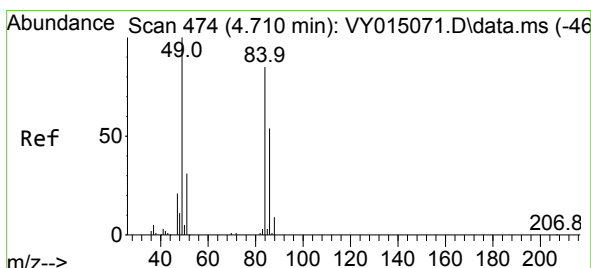
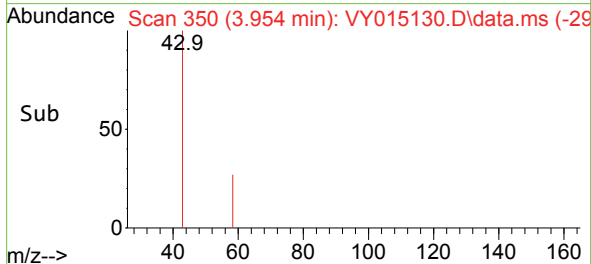
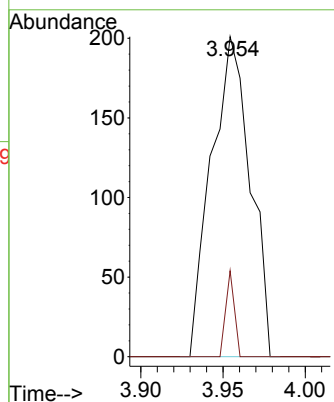
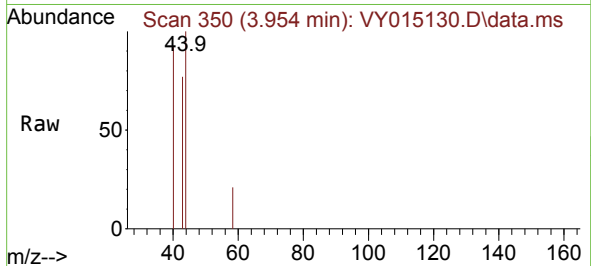




#16  
Acetone  
Concen: 6.093 ug/l  
RT: 3.954 min Scan# 311  
Delta R.T. 0.012 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

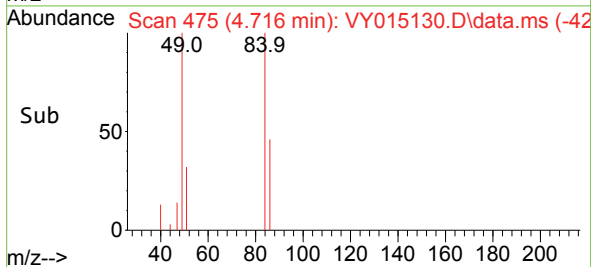
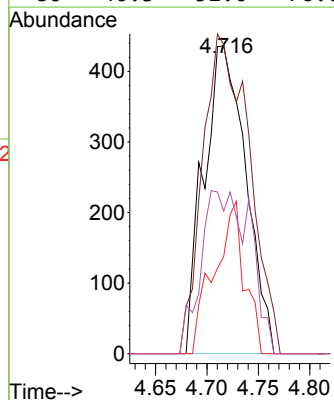
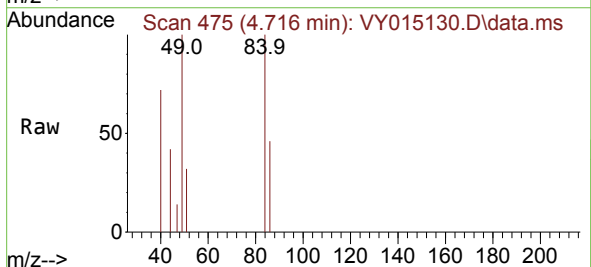
Instrument :  
MSVOA\_Y  
ClientSampleId :

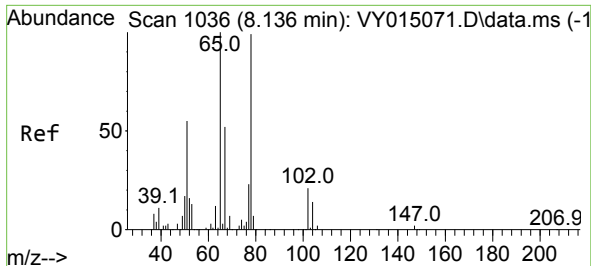
Tgt Ion: 43 Resp: 331  
Ion Ratio Lower Upper  
43 100  
58 26.9 22.7 34.1



#20  
Methylene Chloride  
Concen: 5.743 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

Tgt Ion: 84 Resp: 1246  
Ion Ratio Lower Upper  
84 100  
49 100.5 106.9 160.3#  
51 31.7 33.2 49.8#  
86 46.3 51.0 76.6#





#33

1,2-Dichloroethane-d4

Concen: 49.940 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY015130.D

Acq: 16 Aug 2023 02:29

Instrument :

MSVOA\_Y

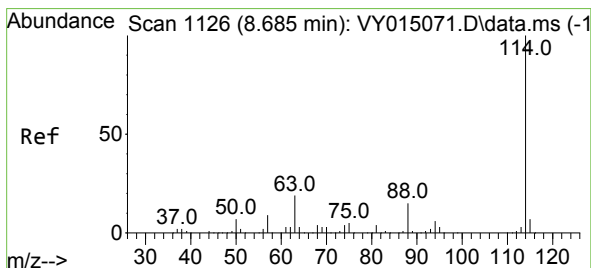
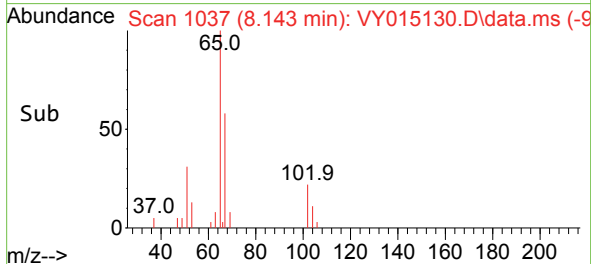
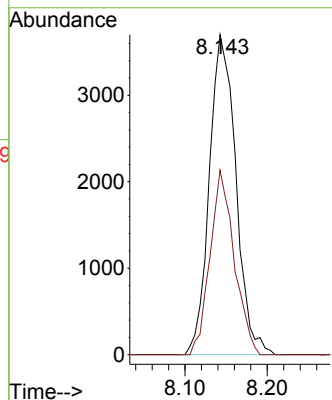
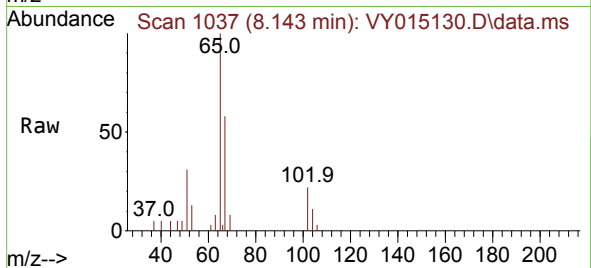
ClientSampleId :

Tgt Ion: 65 Resp: 8304

Ion Ratio Lower Upper

65 100

67 52.5 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: VY015130.D

Acq: 16 Aug 2023 02:29

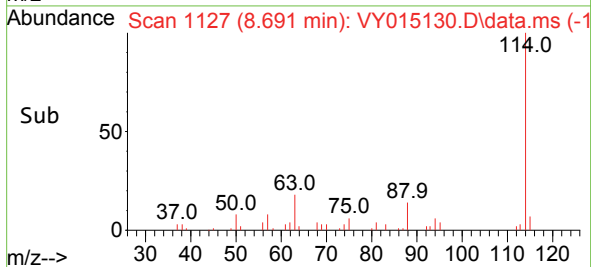
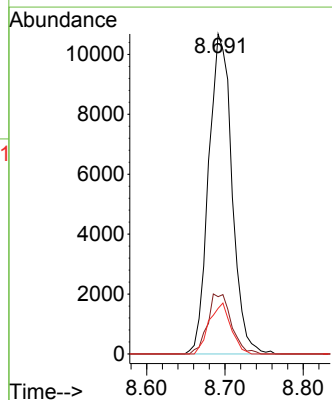
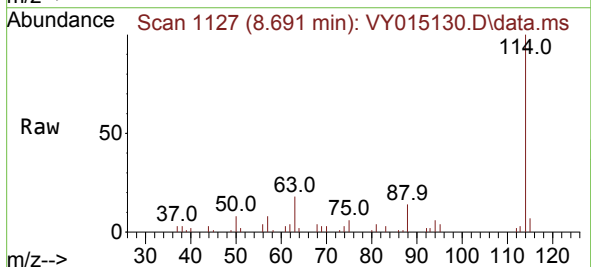
Tgt Ion: 114 Resp: 22078

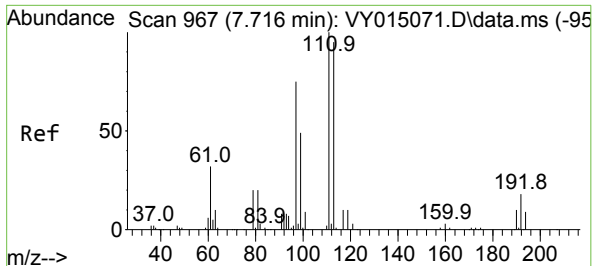
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

88 14.2 0.0 30.6

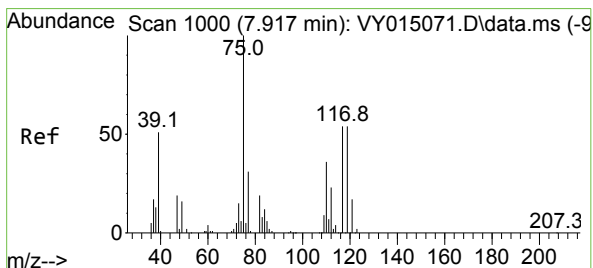
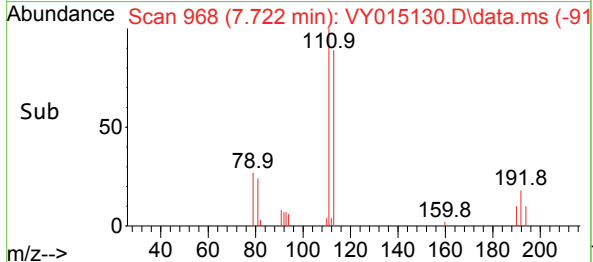
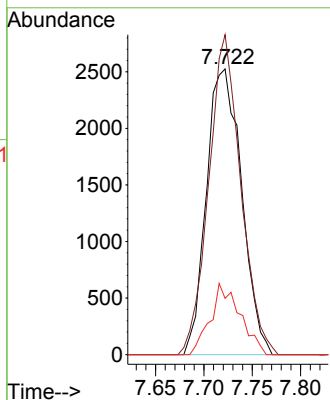
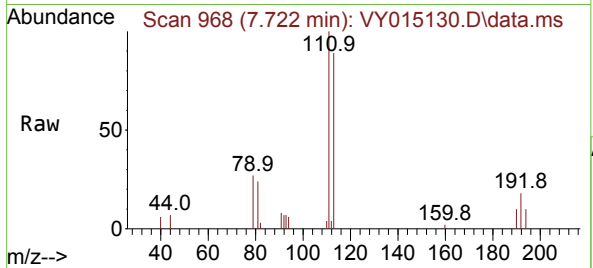




#35  
Dibromofluoromethane  
Concen: 44.876 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

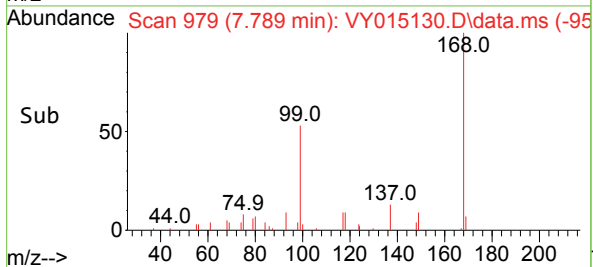
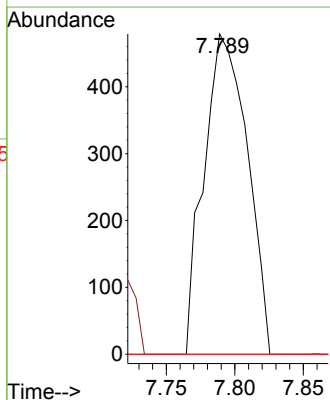
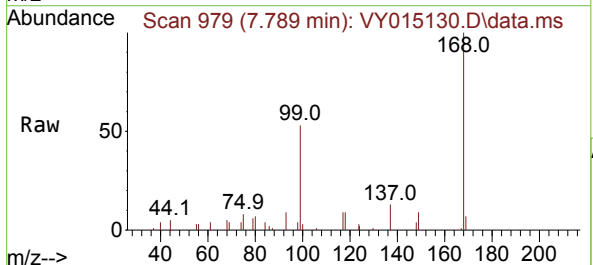
Instrument :  
MSVOA\_Y  
ClientSampleId :

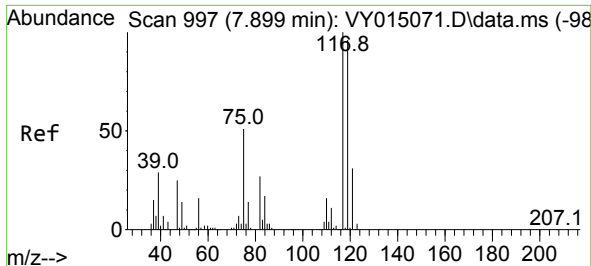
Tgt Ion:113 Resp: 6374  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.3 121.9  
192 21.1 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 6.714 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

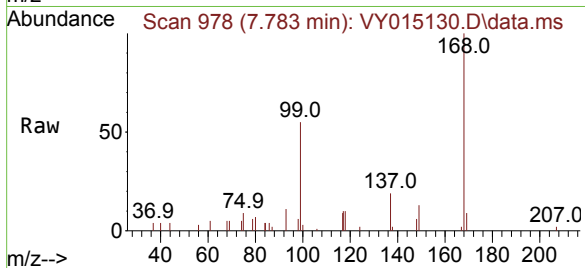
Tgt Ion: 75 Resp: 1055  
Ion Ratio Lower Upper  
75 100  
110 0.0 17.8 53.5#  
77 0.0 24.4 36.6#



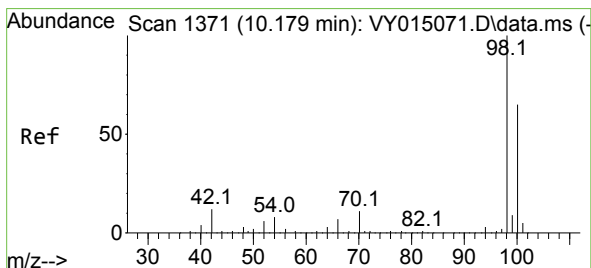
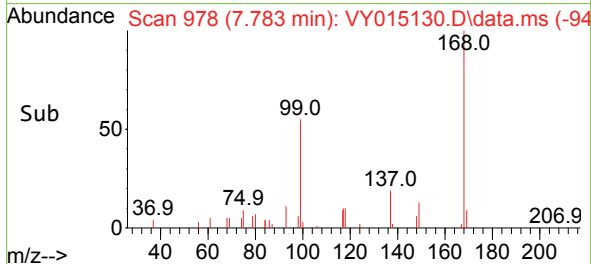
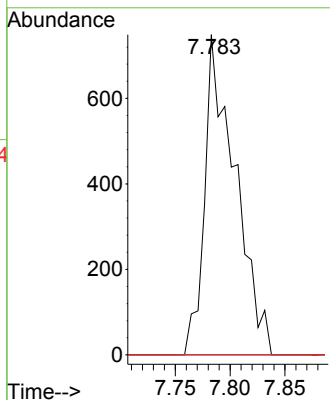


#38  
Carbon Tetrachloride  
Concen: 7.770 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

Instrument :  
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ClientSampleId :

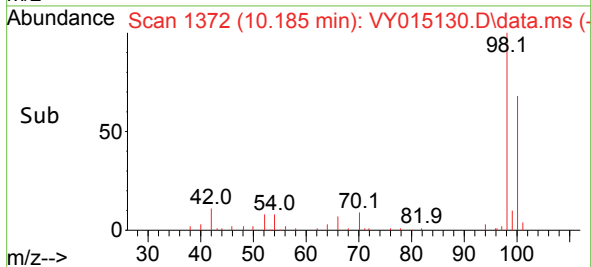
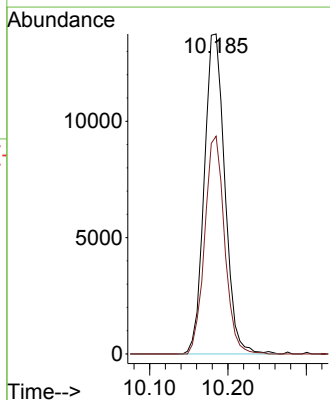
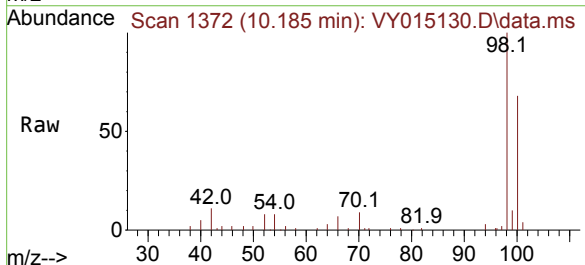


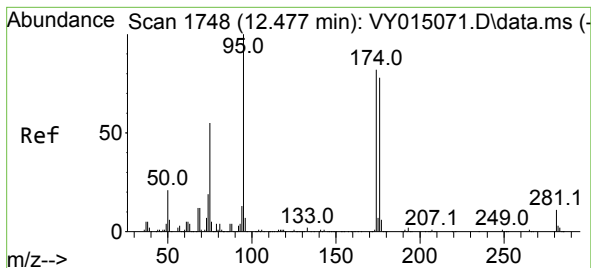
Tgt Ion:117 Resp: 1445  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 47.371 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY015130.D  
Acq: 16 Aug 2023 02:29

Tgt Ion: 98 Resp: 25047  
Ion Ratio Lower Upper  
98 100  
100 65.8 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 46.236 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015130.D

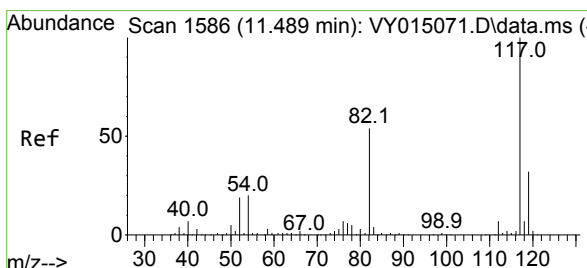
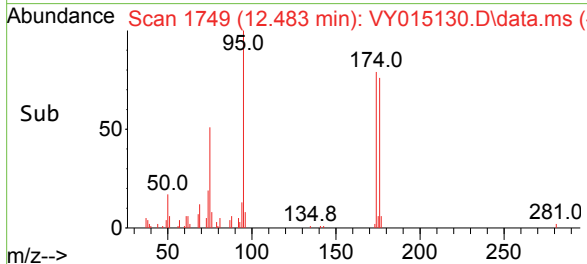
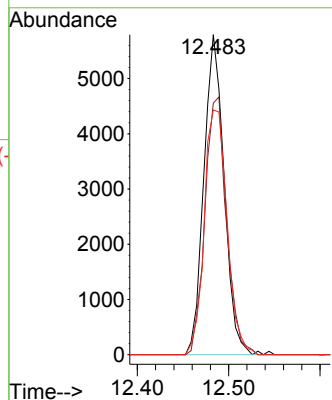
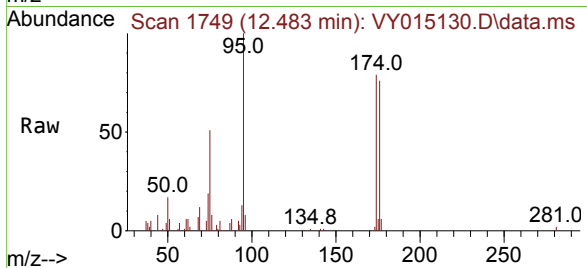
Acq: 16 Aug 2023 02:29

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 8929  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 85.2  | 0.0   | 178.2 |
| 176      | 86.0  | 0.0   | 173.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

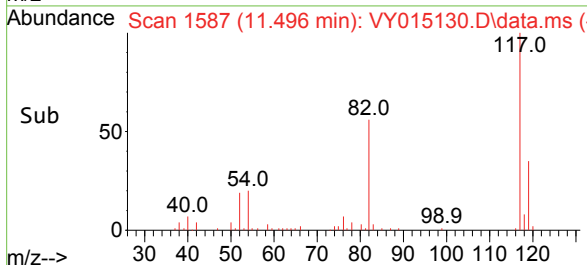
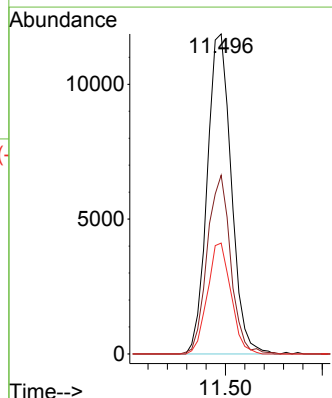
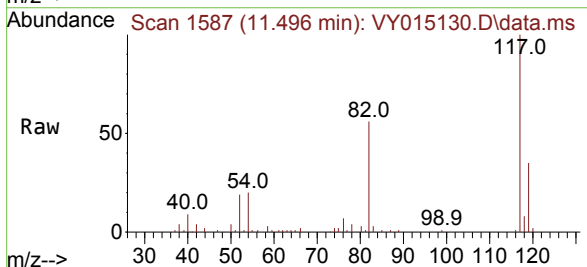
RT: 11.496 min Scan# 1587

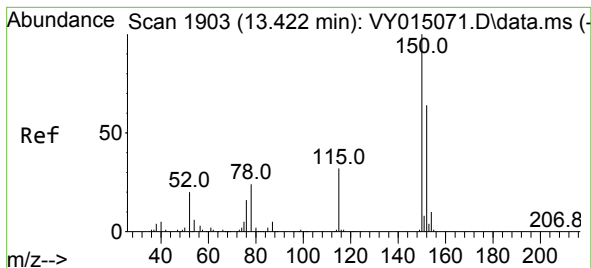
Delta R.T. 0.006 min

Lab File: VY015130.D

Acq: 16 Aug 2023 02:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 20529 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.8  | 43.4  | 65.0  |
| 119      | 34.6  | 26.3  | 39.5  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015130.D

Acq: 16 Aug 2023 02:29

Instrument :

MSVOA\_Y

ClientSampleId :

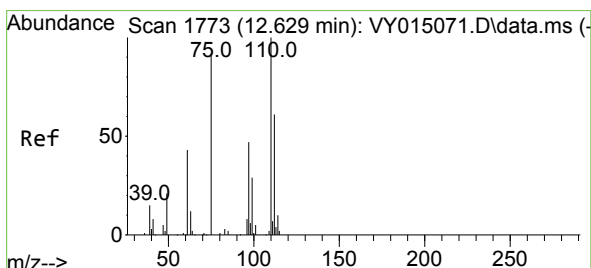
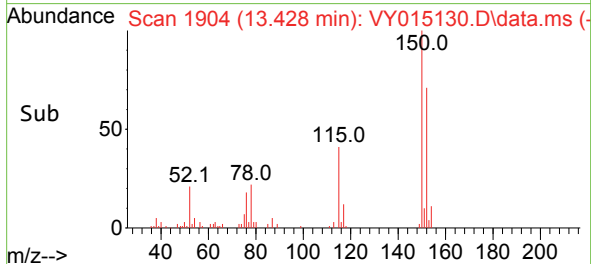
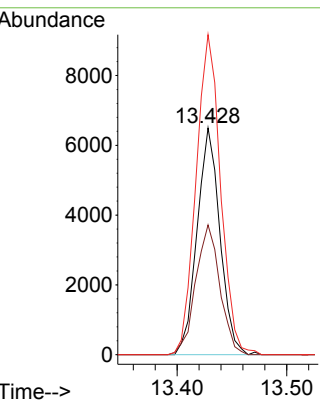
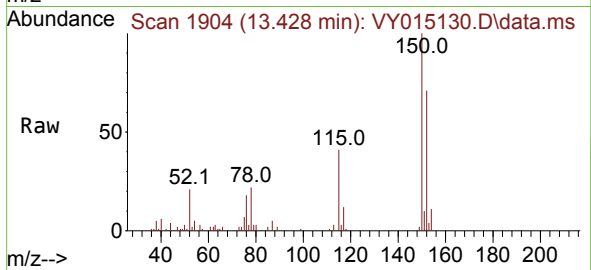
Tgt Ion:152 Resp: 9431

Ion Ratio Lower Upper

152 100

115 60.4 28.8 86.5

150 151.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.089 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015130.D

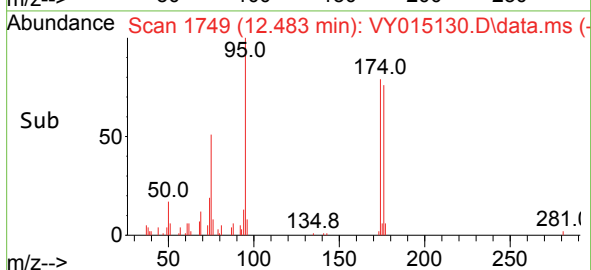
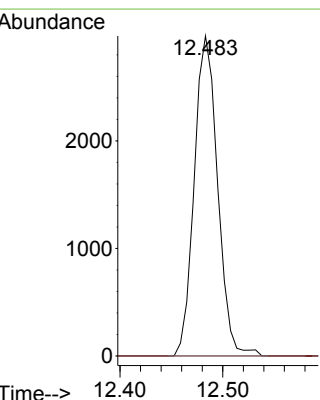
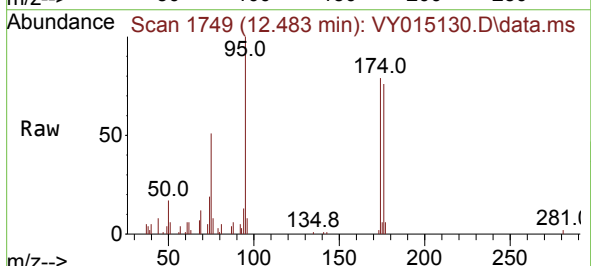
Acq: 16 Aug 2023 02:29

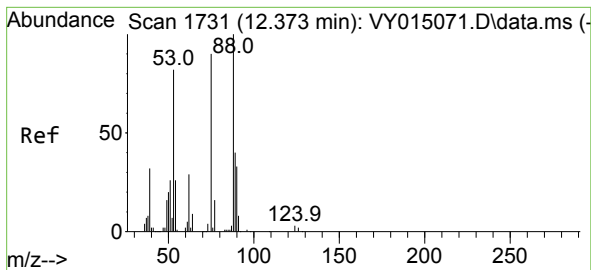
Tgt Ion: 75 Resp: 4708

Ion Ratio Lower Upper

75 100

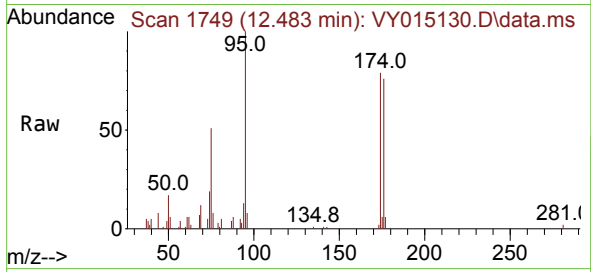
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 90.252 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY015130.D  
 Acq: 16 Aug 2023 02:29

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 4708  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

