

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061523\  
 Data File : VY014196.D  
 Acq On : 15 Jun 2023 17:50  
 Operator : KP/MD  
 Sample : 03235-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A-MANHOLE

Quant Time: Jun 16 02:11:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

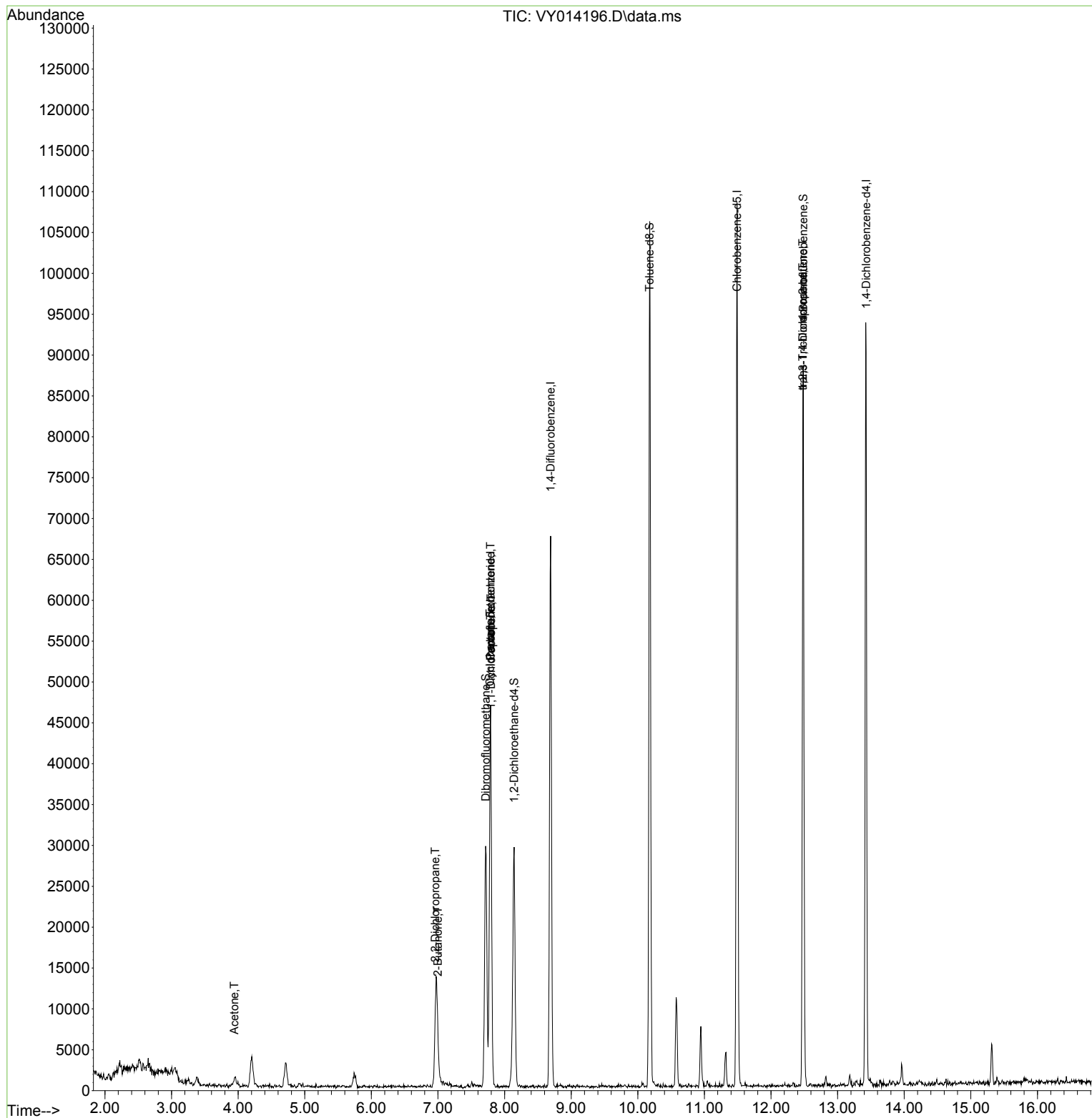
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 35611    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 56622    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 56959    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 25114    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 22732    | 45.841    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 91.680%  |
| 35) Dibromofluoromethane      | 7.716  | 113   | 20032    | 49.887    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 99.780%  |
| 50) Toluene-d8                | 10.179 | 98    | 68859    | 45.868    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 91.740%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 21867    | 41.005    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 82.000%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.960  | 59    | 211      | Below Cal | #      | 89       |
| 16) Acetone                   | 3.942  | 43    | 1849     | 12.370    | ug/l   | 92       |
| 25) 2-Butanone                | 6.996  | 43    | 394      | 2.141     | ug/l # | 49       |
| 26) 2,2-Dichloropropane       | 6.960  | 77    | 1069     | 1.399     | ug/l # | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 798      | 1.201     | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 2654     | 4.239     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 3632     | 5.028     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 11873    | 36.035    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 11873    | 77.893    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

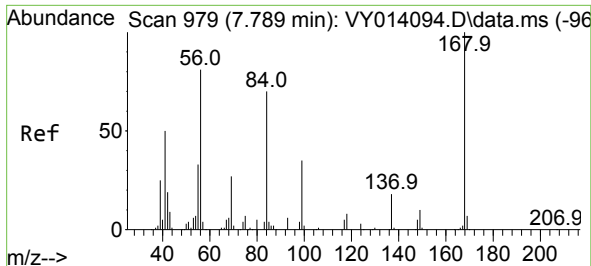
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
A-MANHOLE

Quant Time: Jun 16 02:11:23 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

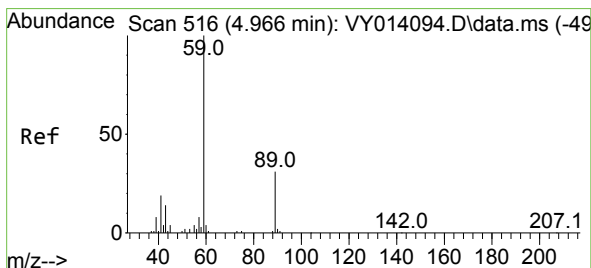
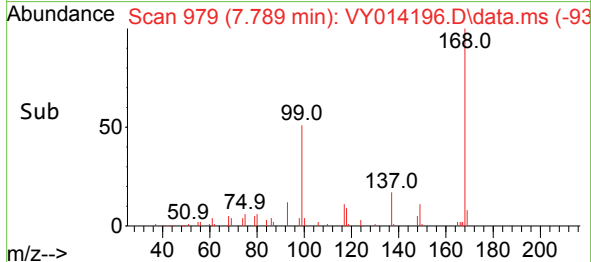
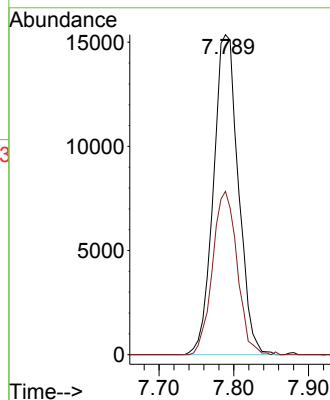
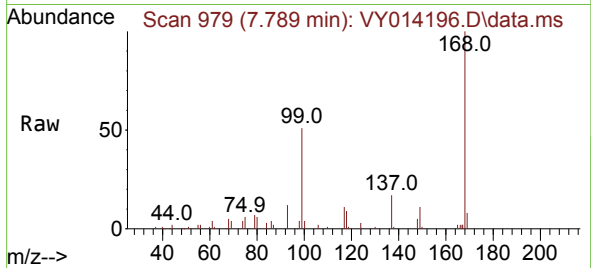




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

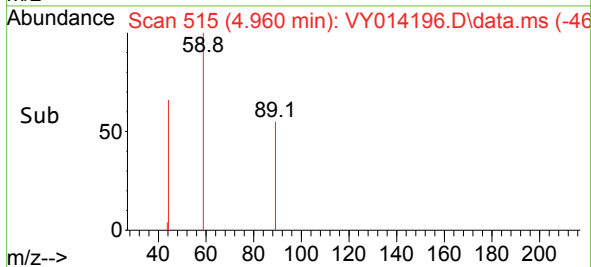
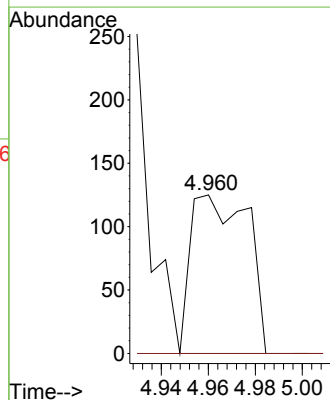
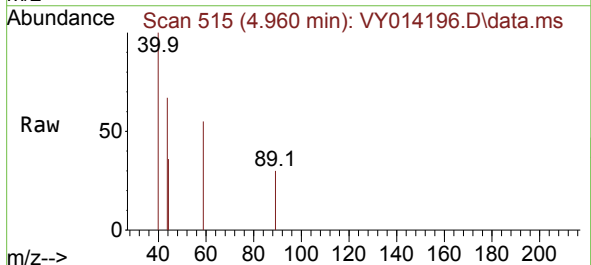
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A-MANHOLE

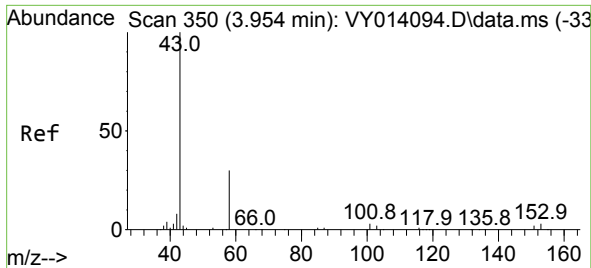
Tgt Ion:168 Resp: 35611  
Ion Ratio Lower Upper  
168 100  
99 51.0 43.4 65.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. -0.006 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

Tgt Ion: 59 Resp: 211  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#

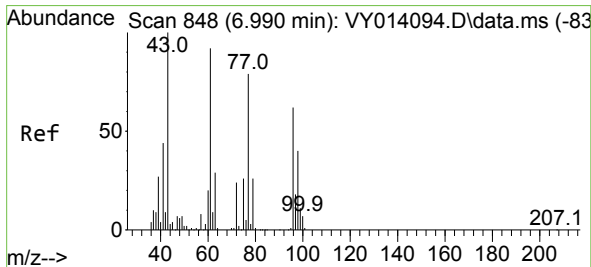
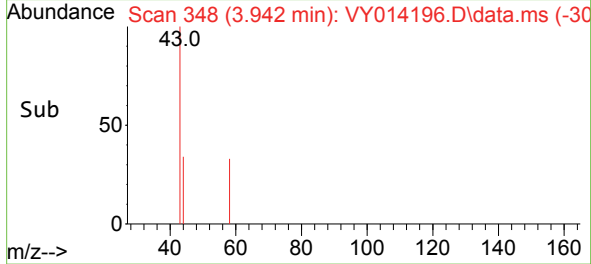
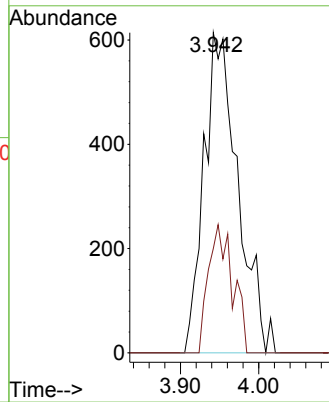
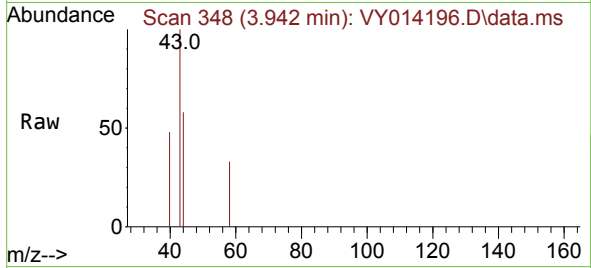




#16  
Acetone  
Concen: 12.370 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

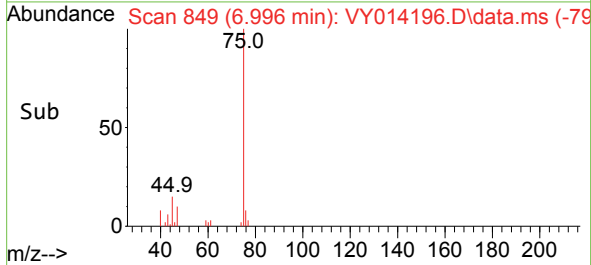
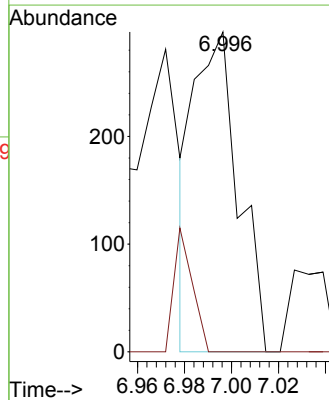
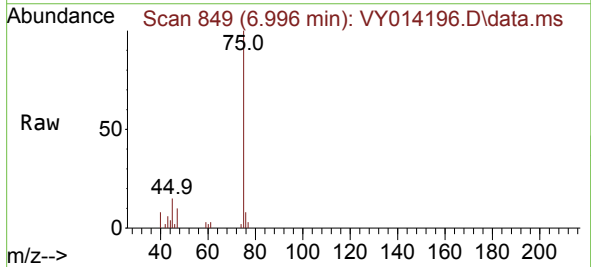
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A-MANHOLE

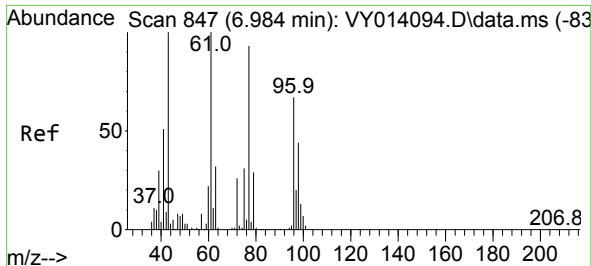
Tgt Ion: 43 Resp: 1849  
Ion Ratio Lower Upper  
43 100  
58 32.6 22.7 34.1



#25  
2-Butanone  
Concen: 2.141 ug/l  
RT: 6.996 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

Tgt Ion: 43 Resp: 394  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.5 30.7#

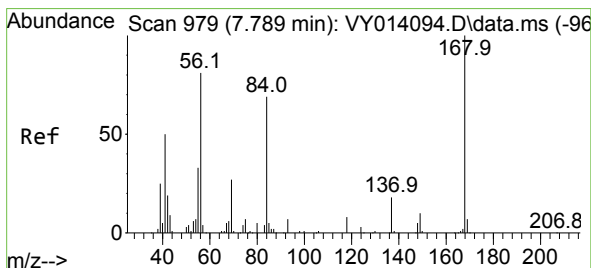
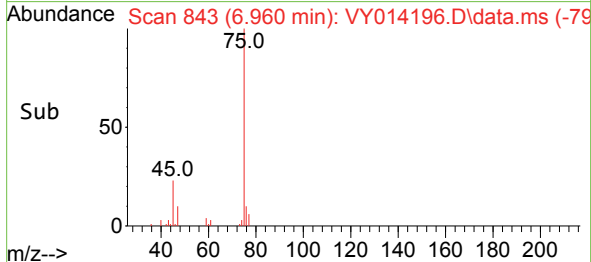
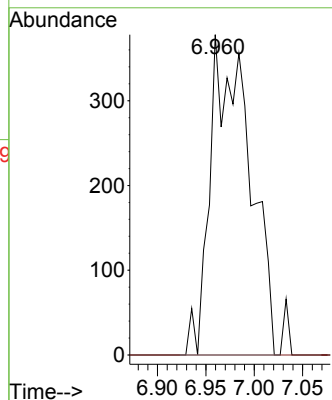
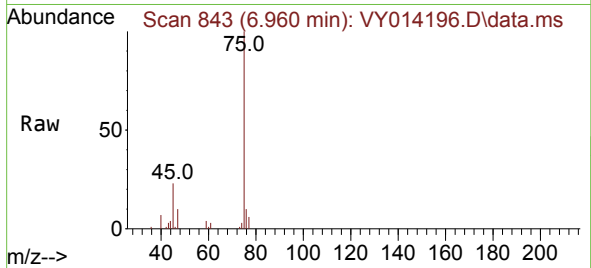




#26  
2,2-Dichloropropane  
Concen: 1.399 ug/l  
RT: 6.960 min Scan# 847  
Delta R.T. -0.024 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

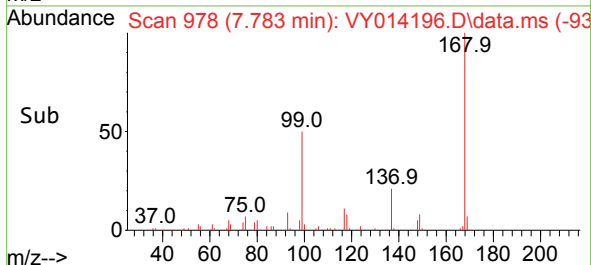
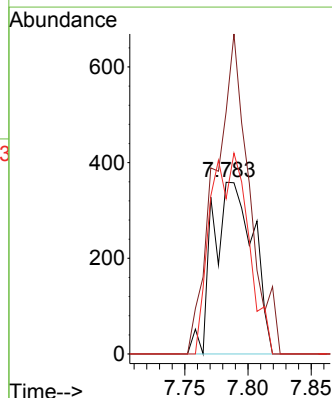
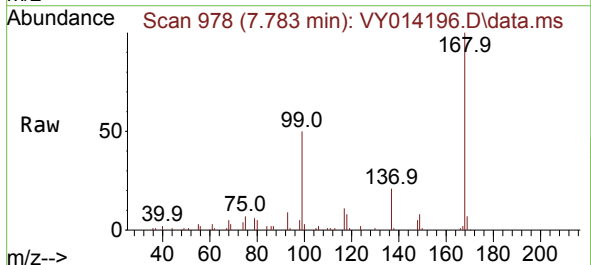
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A-MANHOLE

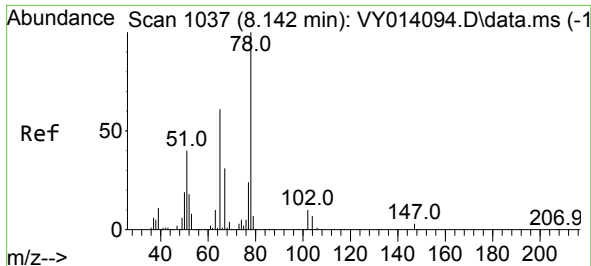
Tgt Ion: 77 Resp: 1069  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.9 32.9#



#31  
Cyclohexane  
Concen: 1.201 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.006 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

Tgt Ion: 56 Resp: 798  
Ion Ratio Lower Upper  
56 100  
69 140.9 27.8 41.6#  
84 90.5 66.4 99.6

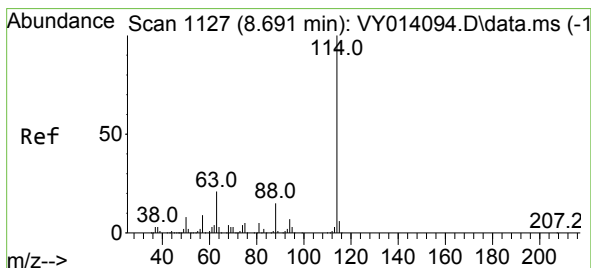
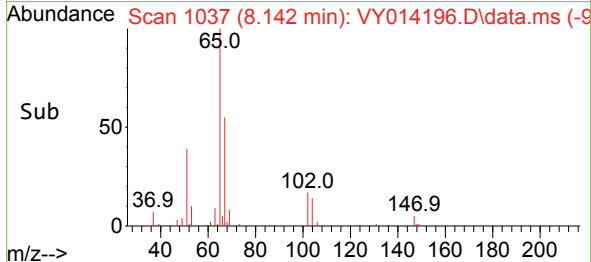
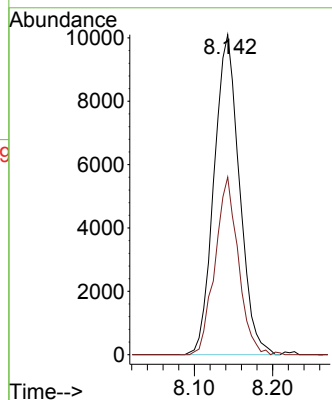
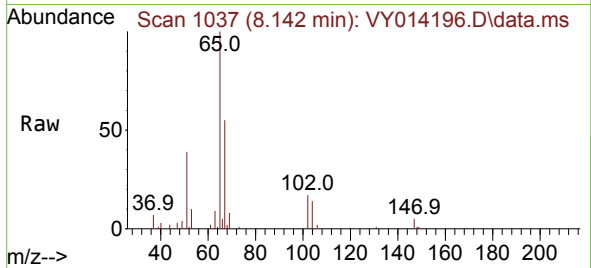




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.841 ug/l  
 RT: 8.142 min Scan# 1037  
 Delta R.T. 0.000 min  
 Lab File: VY014196.D  
 Acq: 15 Jun 2023 17:50

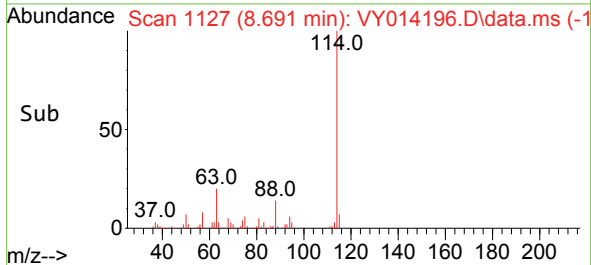
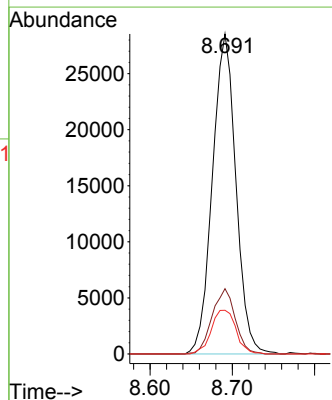
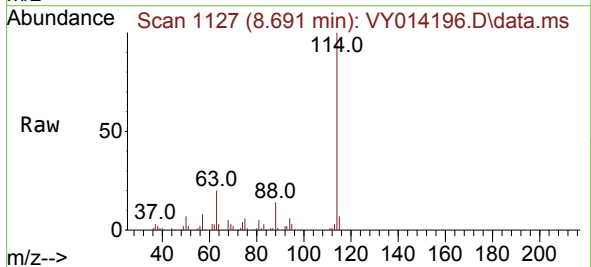
Instrument :  
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 ClientSampleId :  
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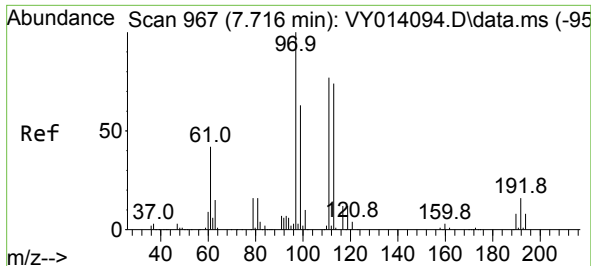
Tgt Ion: 65 Resp: 22732  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY014196.D  
 Acq: 15 Jun 2023 17:50

Tgt Ion: 114 Resp: 56622  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 42.4  
 88 13.6 0.0 30.6

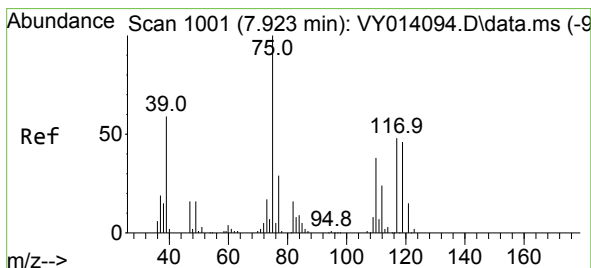
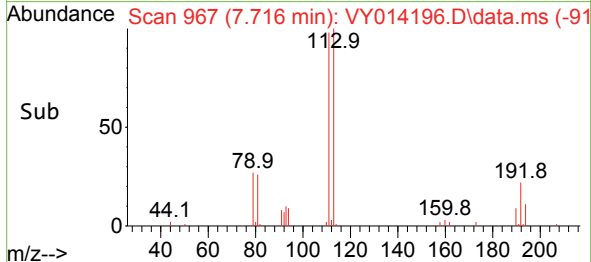
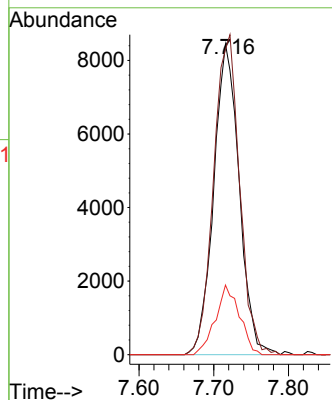
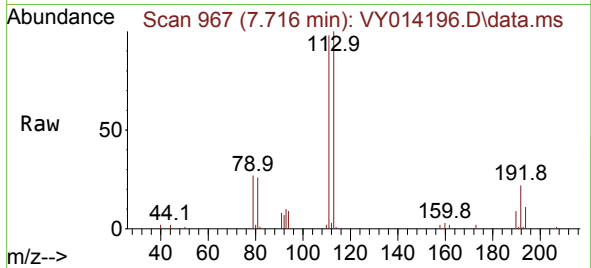




#35  
Dibromofluoromethane  
Concen: 49.887 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

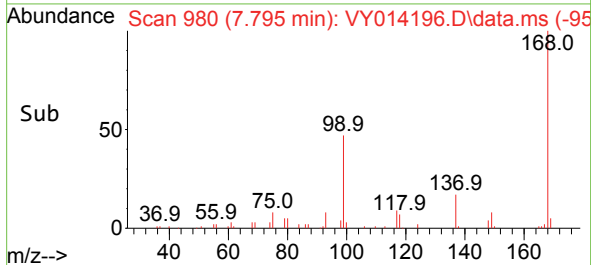
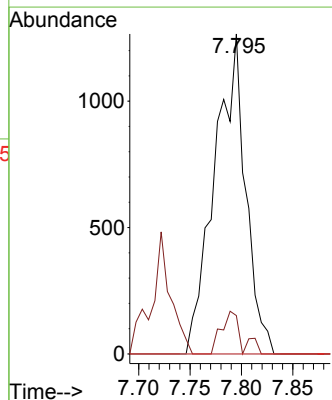
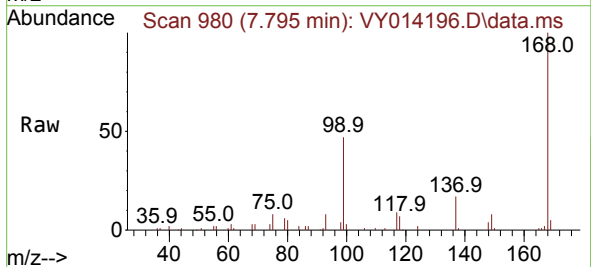
Instrument :  
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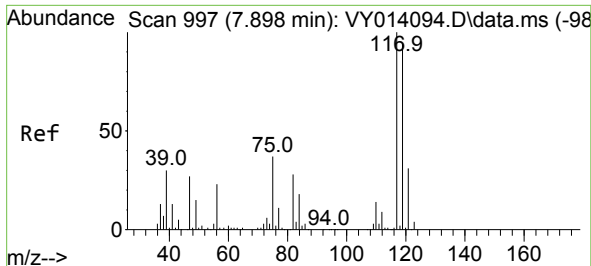
Tgt Ion:113 Resp: 20032  
Ion Ratio Lower Upper  
113 100  
111 104.8 81.3 121.9  
192 21.2 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.239 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.128 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

Tgt Ion: 75 Resp: 2654  
Ion Ratio Lower Upper  
75 100  
110 8.8 17.8 53.5#  
77 0.0 24.4 36.6#

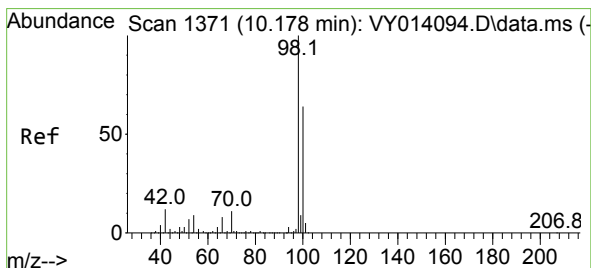
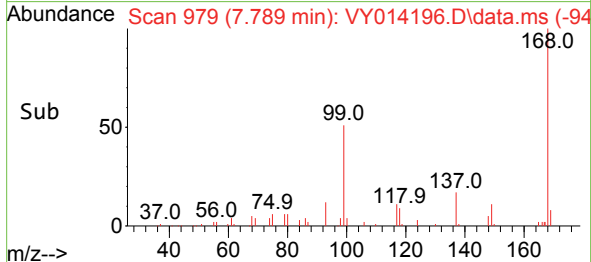
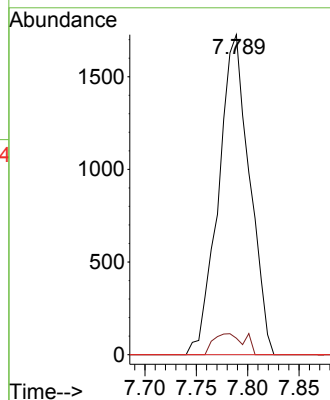
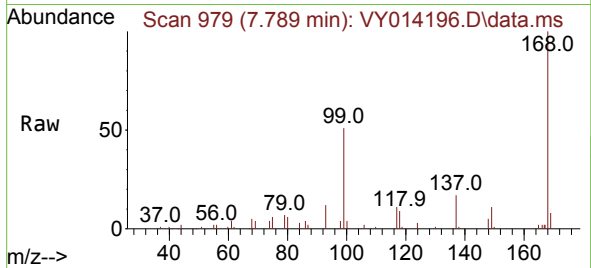




#38  
Carbon Tetrachloride  
Concen: 5.028 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

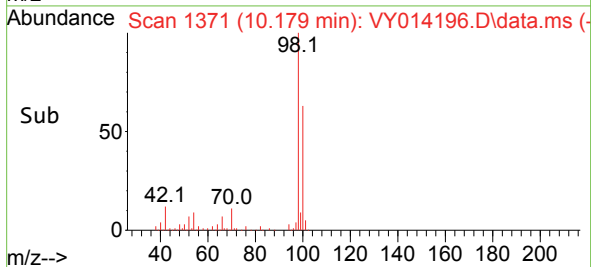
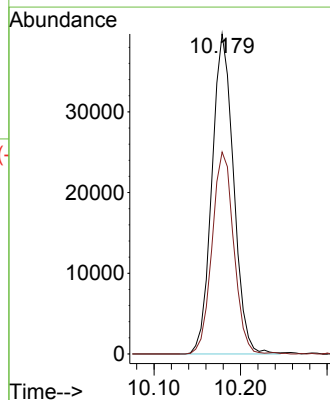
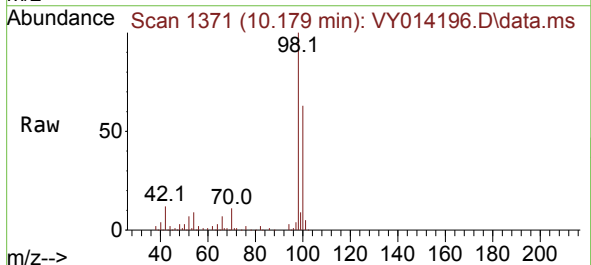
Instrument :  
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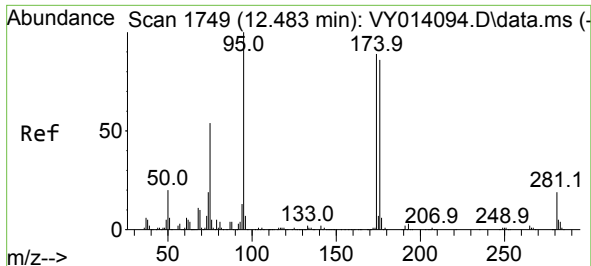
Tgt Ion:117 Resp: 3632  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 45.868 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

Tgt Ion: 98 Resp: 68859  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.1 75.1

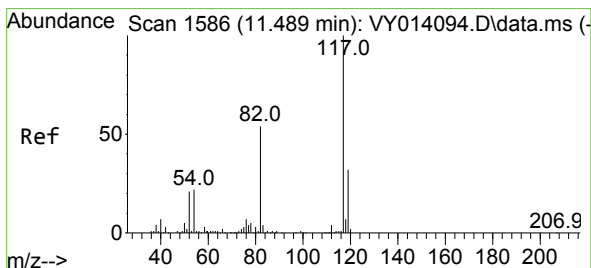
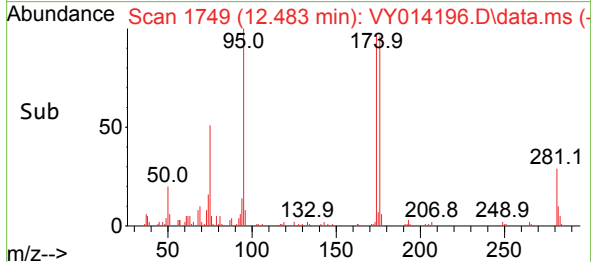
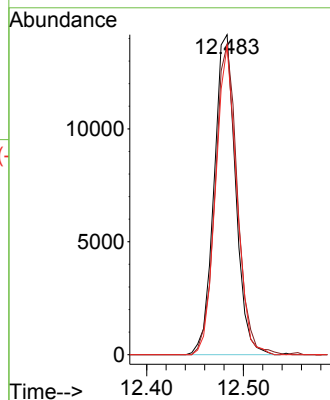
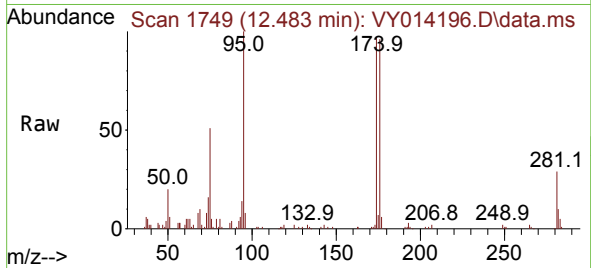




#62  
4-Bromofluorobenzene  
Concen: 41.005 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

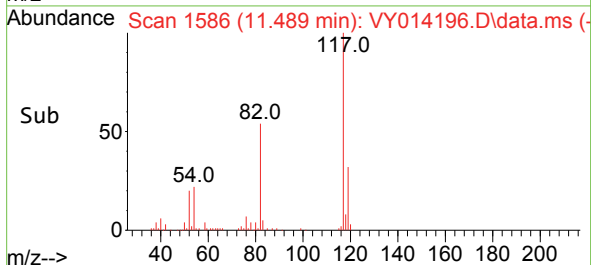
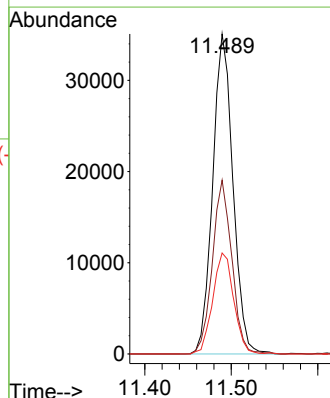
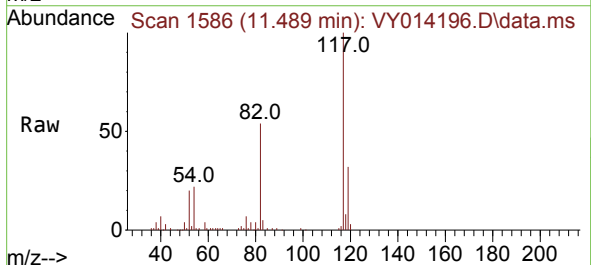
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A-MANHOLE

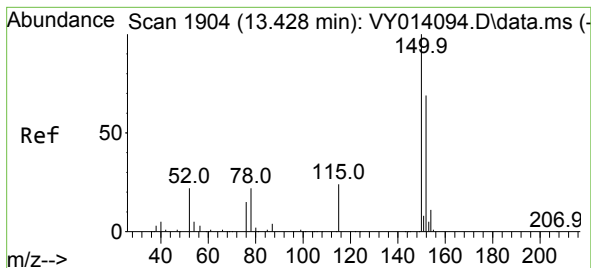
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 21867 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 100.1 | 0.0   | 178.2 |
| 176      | 94.6  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014196.D  
Acq: 15 Jun 2023 17:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 56959 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.3  | 43.4  | 65.0  |
| 119      | 31.6  | 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: VY014196.D

Acq: 15 Jun 2023 17:50

Instrument :

MSVOA\_Y

ClientSampleId :

A-MANHOLE

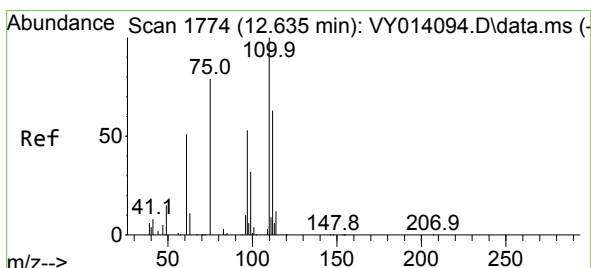
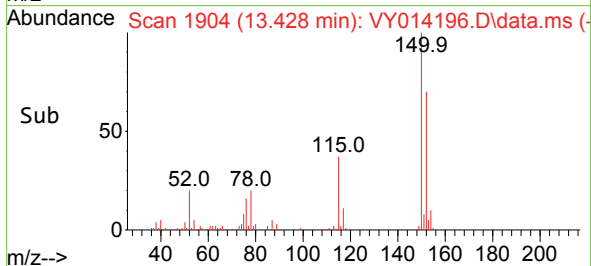
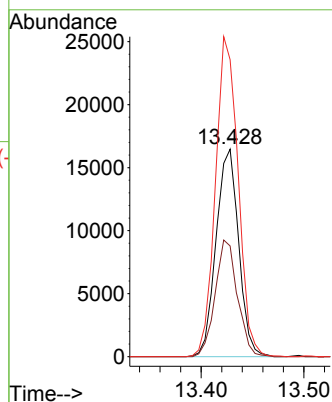
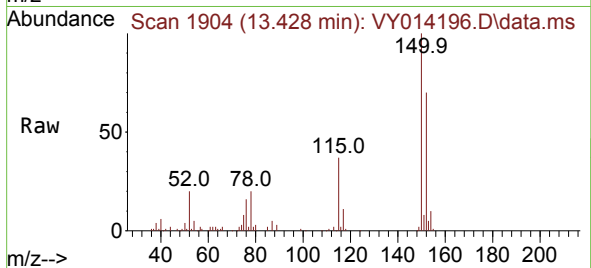
Tgt Ion:152 Resp: 25114

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.5

150 154.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.035 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014196.D

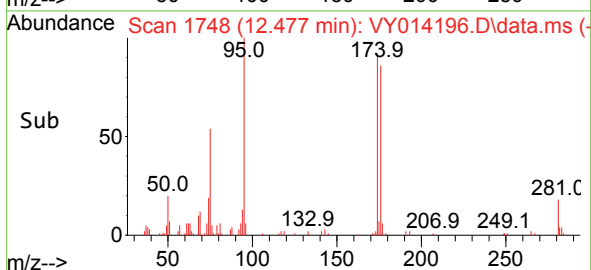
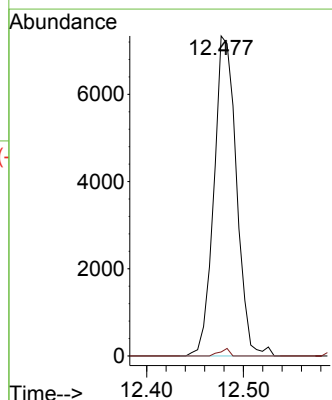
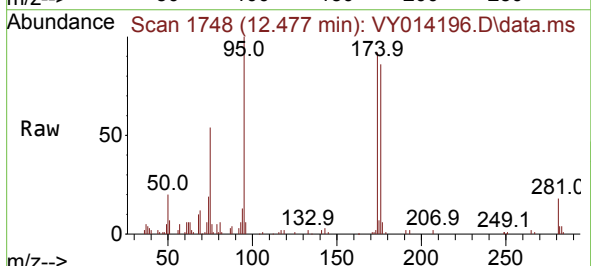
Acq: 15 Jun 2023 17:50

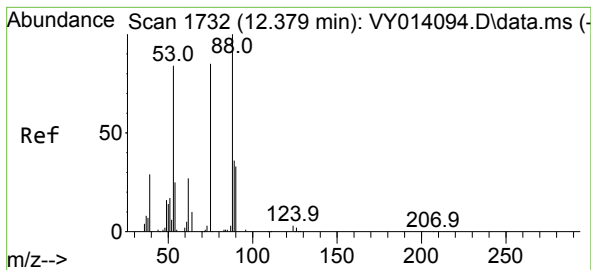
Tgt Ion: 75 Resp: 11873

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 77.893 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY014196.D  
 Acq: 15 Jun 2023 17:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A-MANHOLE

Tgt Ion: 75 Resp: 11873  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

