

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
 Data File : VY014432.D  
 Acq On : 26 Jun 2023 14:30  
 Operator : KP/MD  
 Sample : 03402-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-0623

Quant Time: Jun 27 01:47:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 17:18:46 2023  
 Response via : Initial Calibration

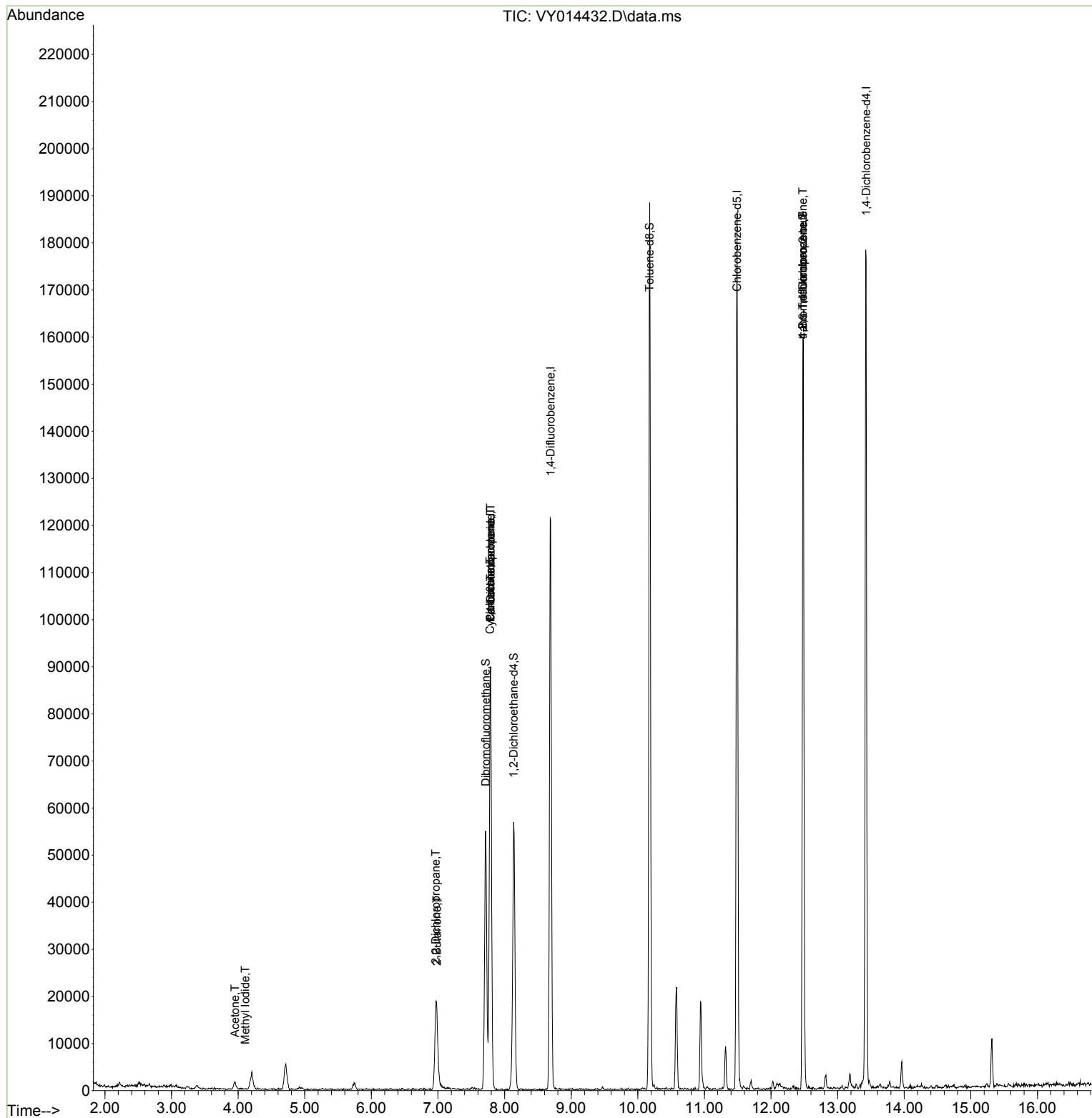
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 70126    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 105495   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 101498   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 47462    | 50.000    | ug/l   | 0.00     |
|                               |        |       |          |           |        |          |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 48409    | 55.599    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 111.200% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 34798    | 53.390    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 106.780% |
| 50) Toluene-d8                | 10.179 | 98    | 124402   | 48.016    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 96.040%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 38974    | 42.136    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 84.280%  |
|                               |        |       |          |           |        |          |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 10) Methyl Iodide             | 4.107  | 142   | 78       | 2.960     | ug/l # | 38       |
| 11) Tert butyl alcohol        | 4.960  | 59    | 265      | Below Cal | #      | 89       |
| 16) Acetone                   | 3.954  | 43    | 2788     | 10.176    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.710  | 84    | 4110     | Below Cal | #      | 76       |
| 25) 2-Butanone                | 6.984  | 43    | 1149     | 3.367     | ug/l   | 97       |
| 26) 2,2-Dichloropropane       | 6.966  | 77    | 1591     | 1.236     | ug/l # | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 1502     | 1.397     | ug/l # | 47       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 5222     | 5.199     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 7053     | 5.580     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 22320    | 37.489    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 22320    | 85.350    | ug/l # | 10       |
| -----                         |        |       |          |           |        |          |

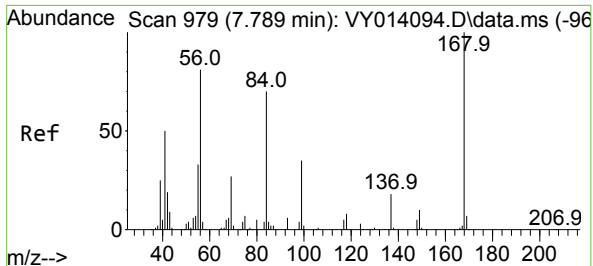
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062623\  
Data File : VY014432.D  
Acq On : 26 Jun 2023 14:30  
Operator : KP/MD  
Sample : 03402-01  
Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-0623

Quant Time: Jun 27 01:47:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 17:18:46 2023  
Response via : Initial Calibration

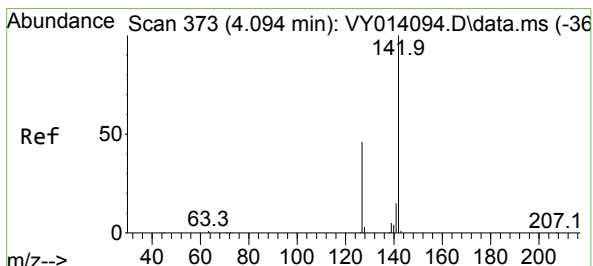
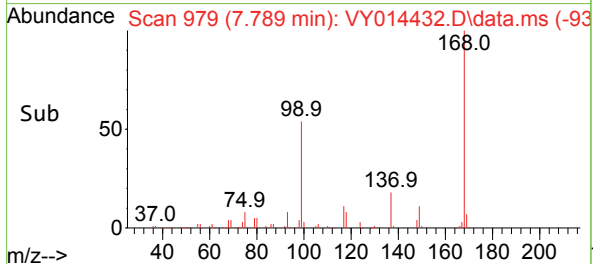
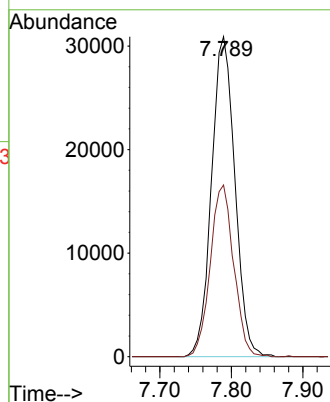
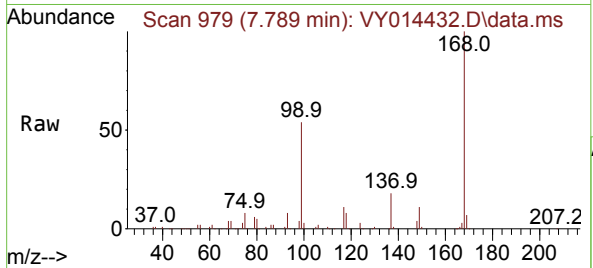




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

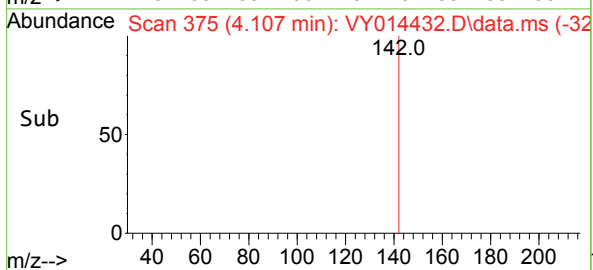
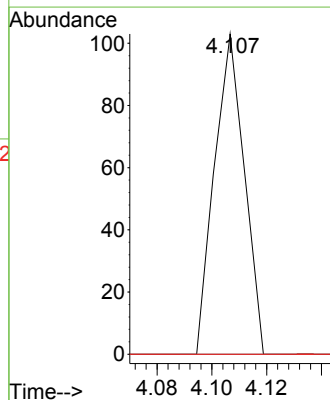
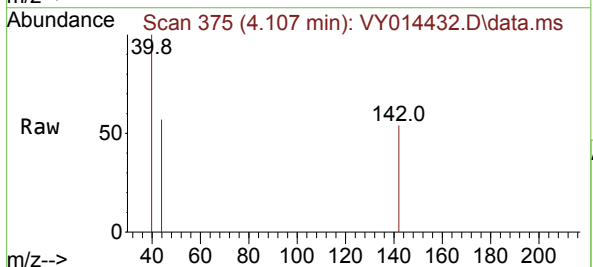
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-0623

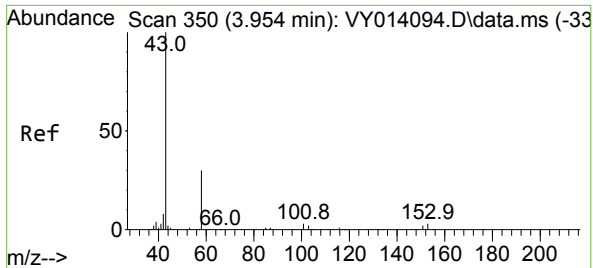
Tgt Ion:168 Resp: 70126  
Ion Ratio Lower Upper  
168 100  
99 53.6 43.4 65.0



#10  
Methyl Iodide  
Concen: 2.960 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. 0.013 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

Tgt Ion:142 Resp: 78  
Ion Ratio Lower Upper  
142 100  
127 0.0 37.6 56.4#  
141 0.0 11.8 17.8#





#16

Acetone

Concen: 10.176 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014432.D

Acq: 26 Jun 2023 14:30

Instrument :

MSVOA\_Y

ClientSampleId :

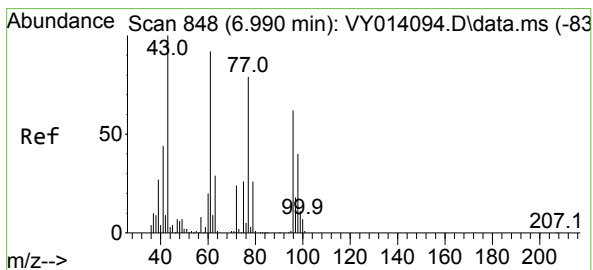
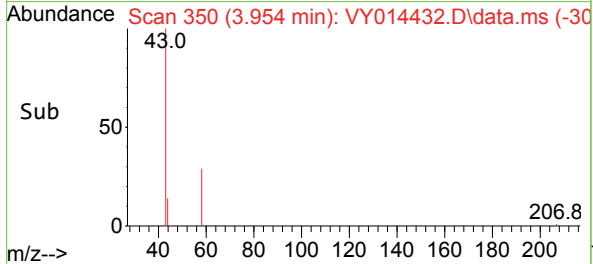
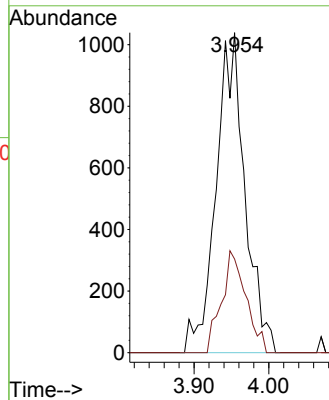
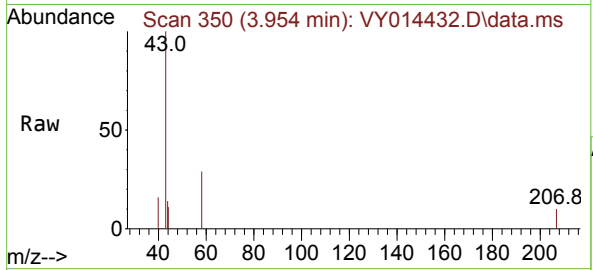
TP1-0623

Tgt Ion: 43 Resp: 2788

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1



#25

2-Butanone

Concen: 3.367 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY014432.D

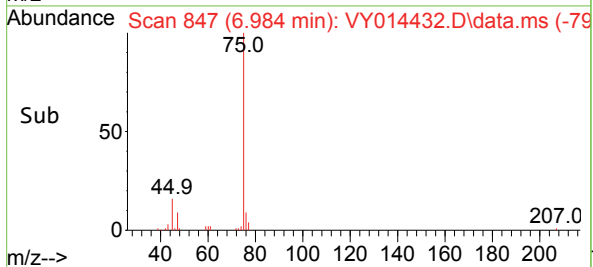
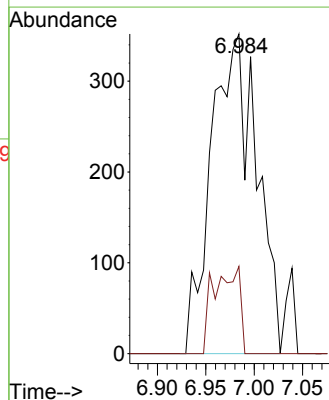
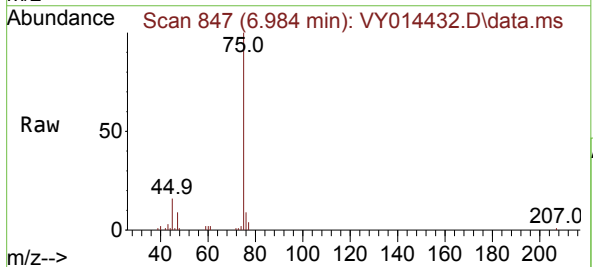
Acq: 26 Jun 2023 14:30

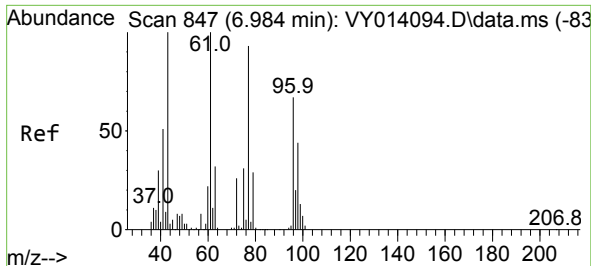
Tgt Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

72 27.3 20.5 30.7





#26

2,2-Dichloropropane

Concen: 1.236 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014432.D

Acq: 26 Jun 2023 14:30

Instrument :

MSVOA\_Y

ClientSampleId :

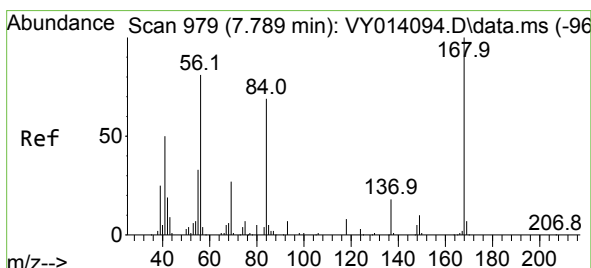
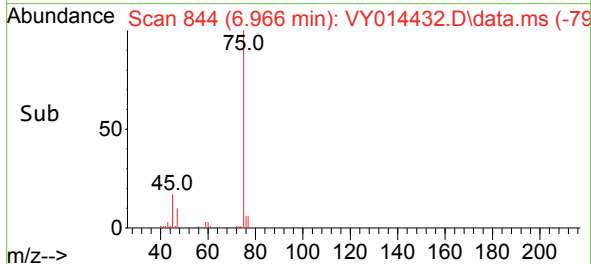
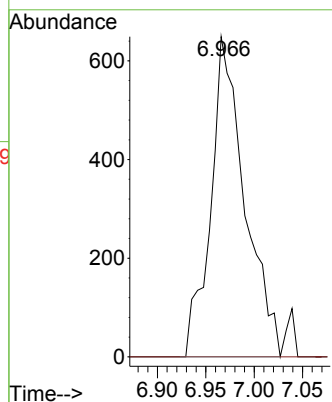
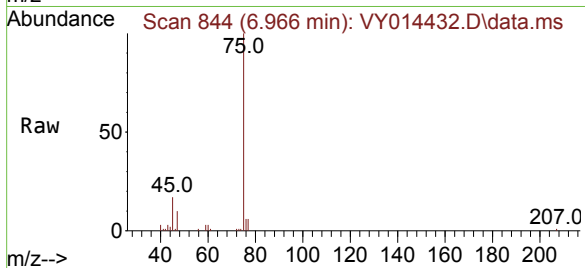
TP1-0623

Tgt Ion: 77 Resp: 1591

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.397 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014432.D

Acq: 26 Jun 2023 14:30

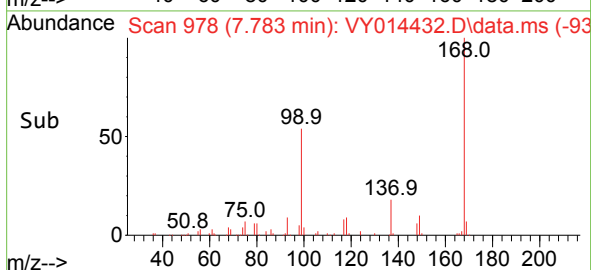
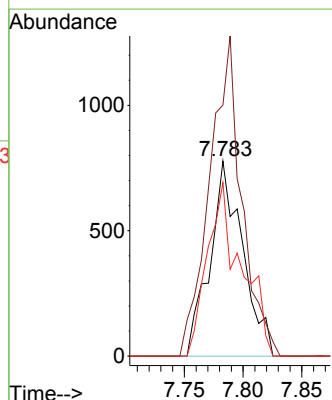
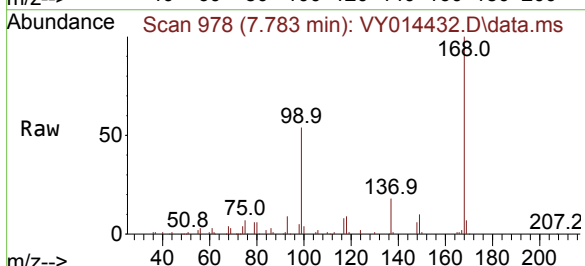
Tgt Ion: 56 Resp: 1502

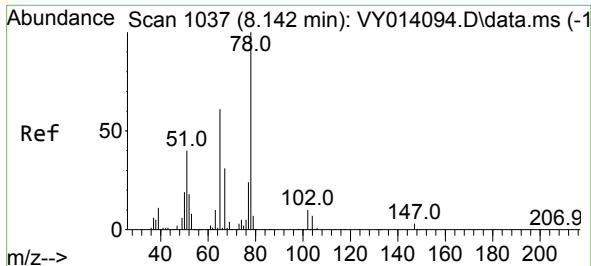
Ion Ratio Lower Upper

56 100

69 128.7 27.8 41.6#

84 88.9 66.4 99.6

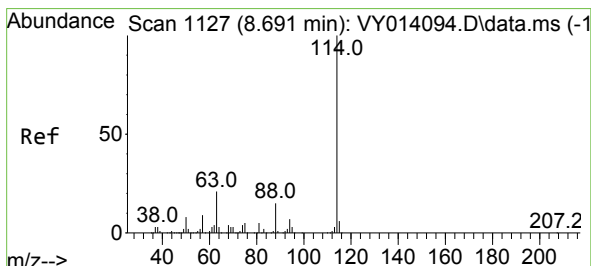
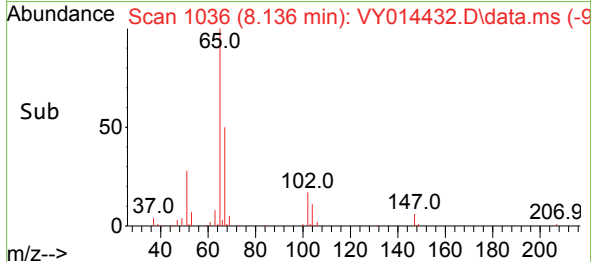
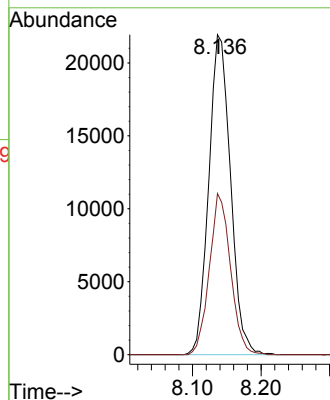
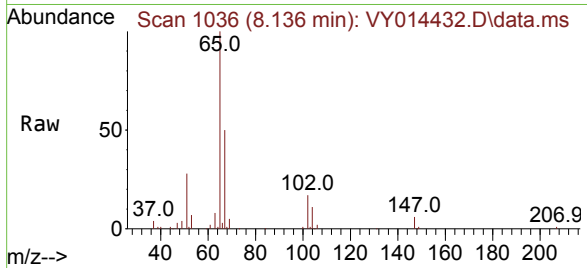




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.599 ug/l  
 RT: 8.136 min Scan# 1103  
 Delta R.T. -0.006 min  
 Lab File: VY014432.D  
 Acq: 26 Jun 2023 14:30

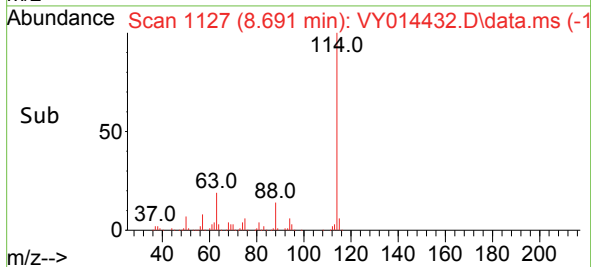
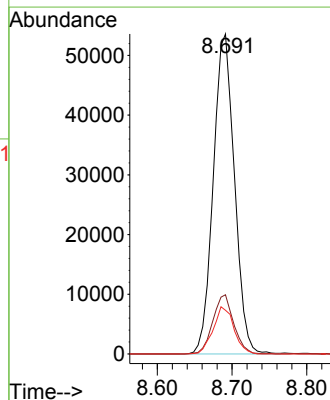
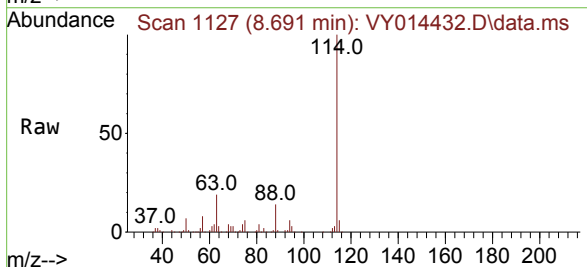
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-0623

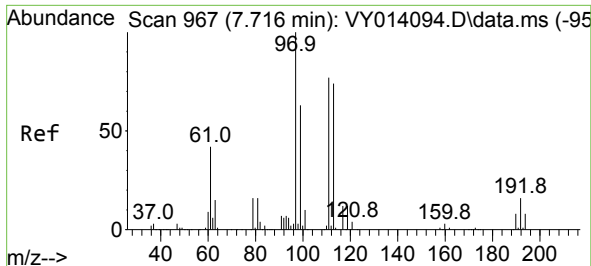
Tgt Ion: 65 Resp: 48409  
 Ion Ratio Lower Upper  
 65 100  
 67 48.9 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY014432.D  
 Acq: 26 Jun 2023 14:30

Tgt Ion: 114 Resp: 105495  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 42.4  
 88 13.7 0.0 30.6

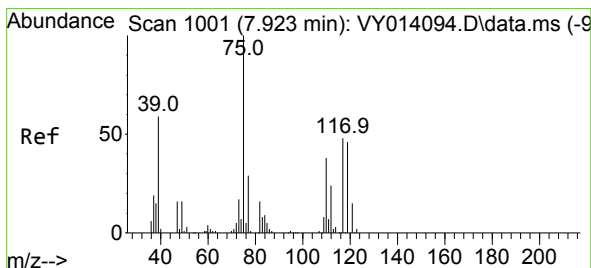
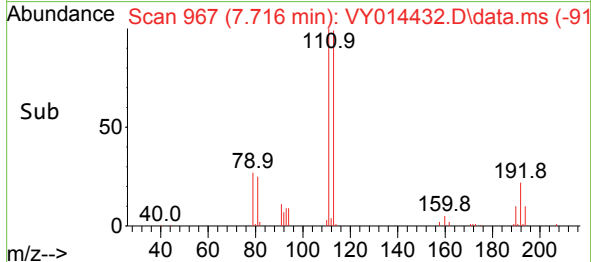
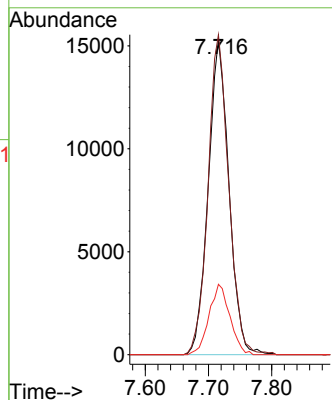
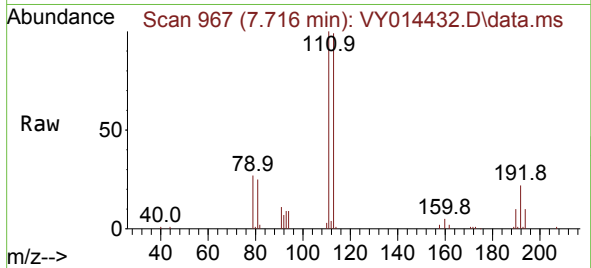




#35  
Dibromofluoromethane  
Concen: 53.390 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

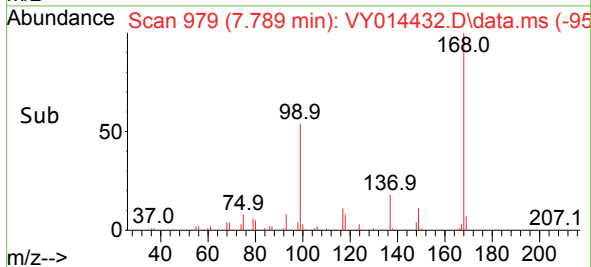
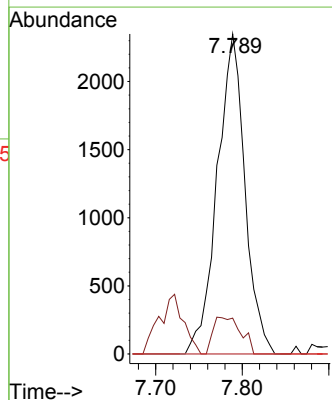
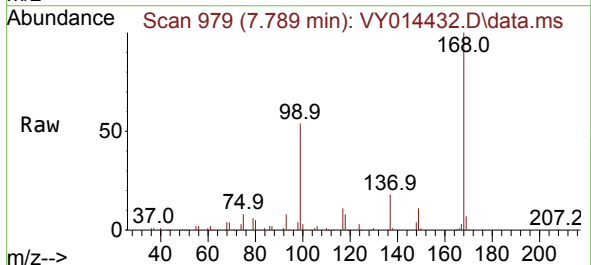
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MSVOA\_Y  
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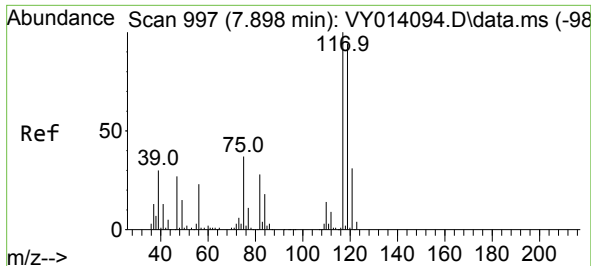
Tgt Ion:113 Resp: 34798  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.3 121.9  
192 22.5 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 5.199 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

Tgt Ion: 75 Resp: 5222  
Ion Ratio Lower Upper  
75 100  
110 11.5 17.8 53.5#  
77 0.0 24.4 36.6#

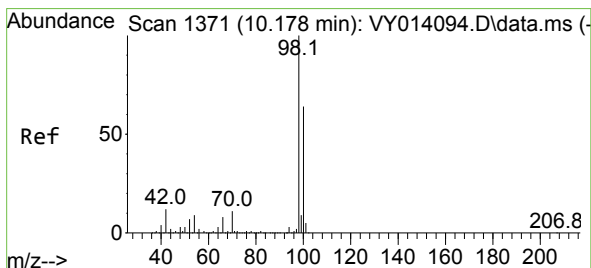
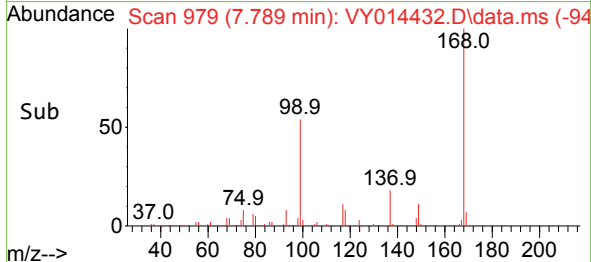
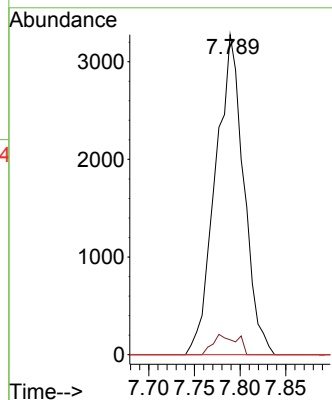
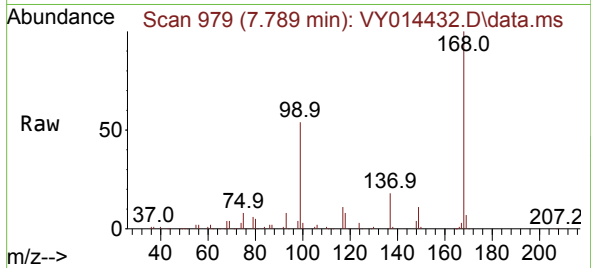




#38  
Carbon Tetrachloride  
Concen: 5.580 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

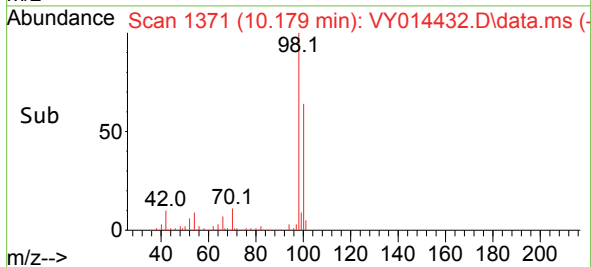
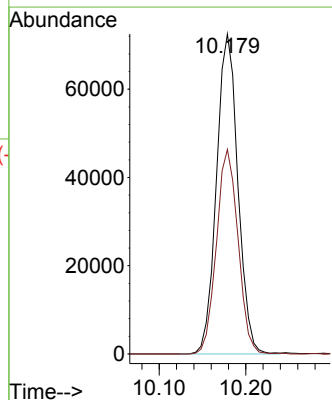
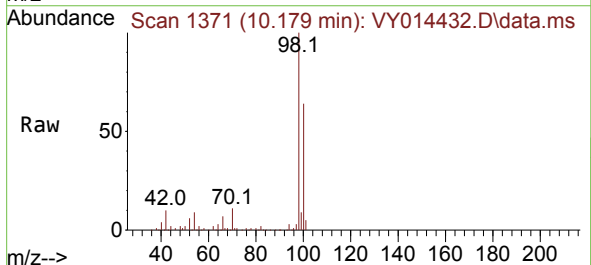
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-0623

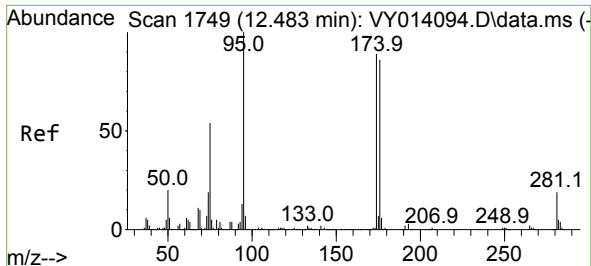
Tgt Ion:117 Resp: 7053  
Ion Ratio Lower Upper  
117 100  
119 4.6 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 48.016 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

Tgt Ion: 98 Resp: 124402  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.1 75.1

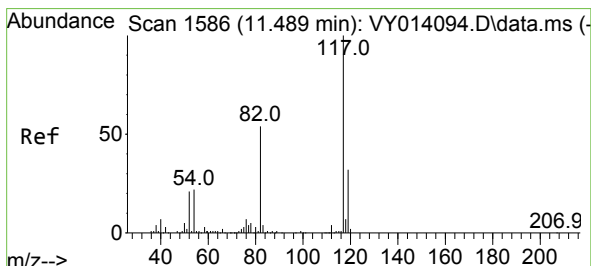
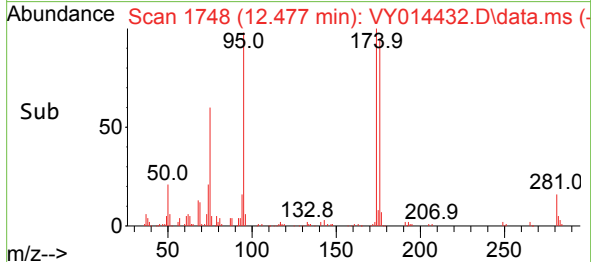
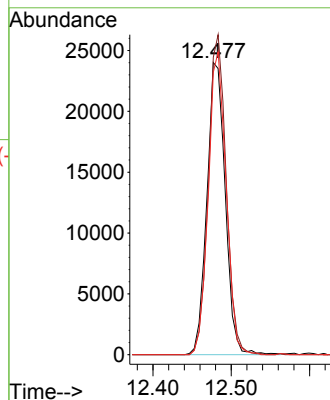
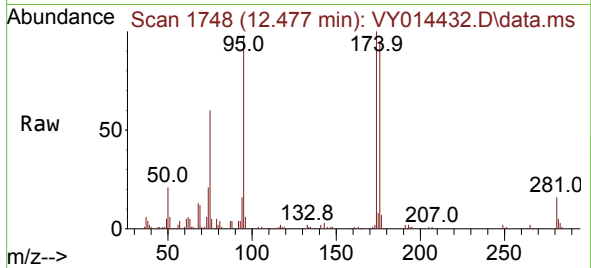




#62  
4-Bromofluorobenzene  
Concen: 42.136 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

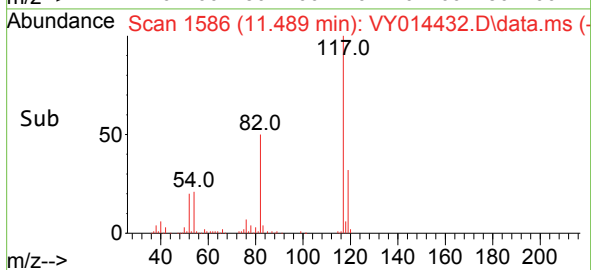
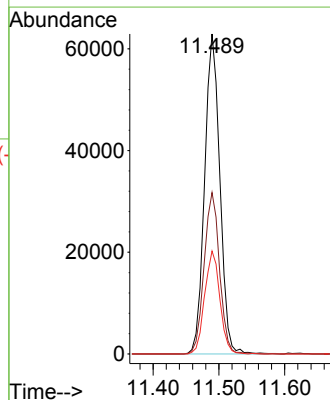
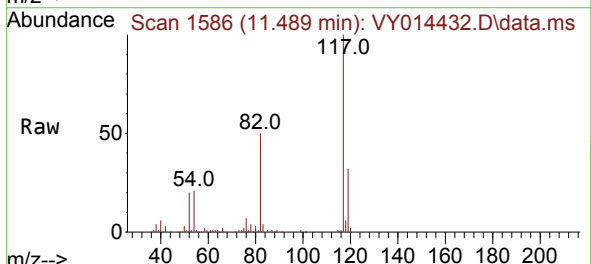
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-0623

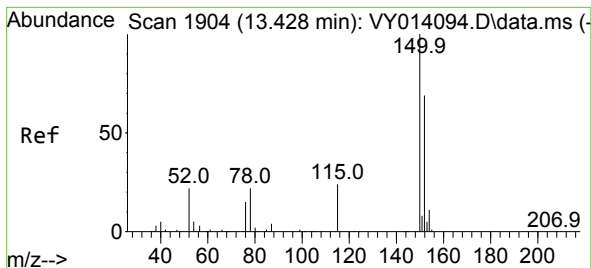
Tgt Ion: 95 Resp: 38974  
Ion Ratio Lower Upper  
95 100  
174 106.5 0.0 178.2  
176 100.9 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014432.D  
Acq: 26 Jun 2023 14:30

Tgt Ion: 117 Resp: 101498  
Ion Ratio Lower Upper  
117 100  
82 50.5 43.4 65.0  
119 32.1 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: VY014432.D

Acq: 26 Jun 2023 14:30

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-0623

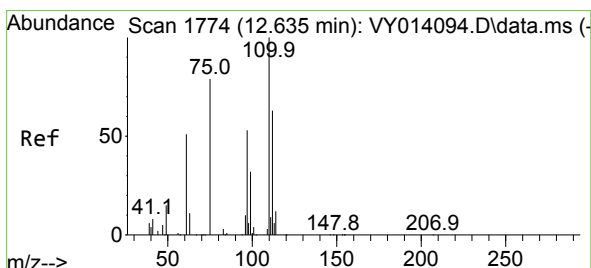
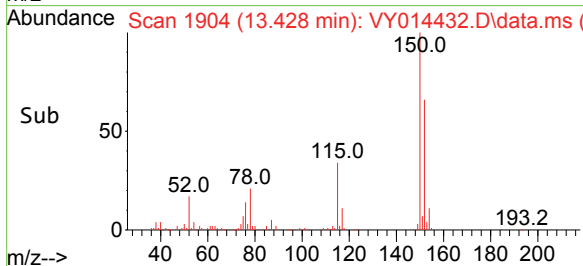
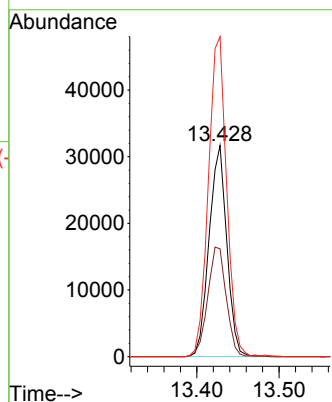
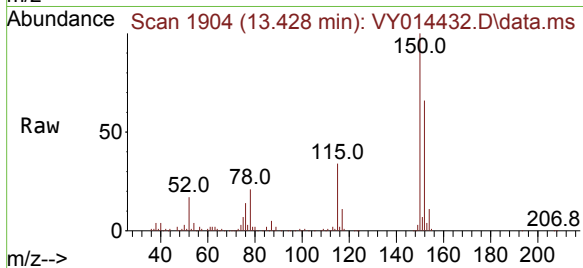
Tgt Ion:152 Resp: 47462

Ion Ratio Lower Upper

152 100

115 54.4 28.8 86.5

150 156.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.489 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014432.D

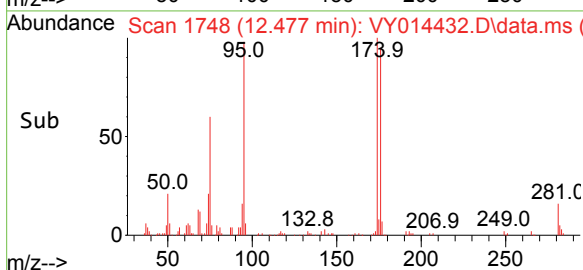
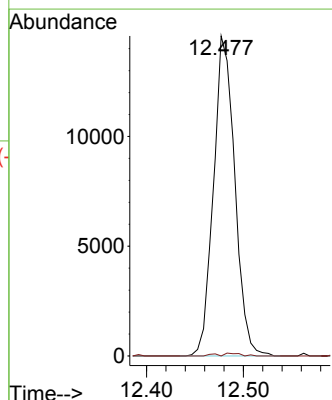
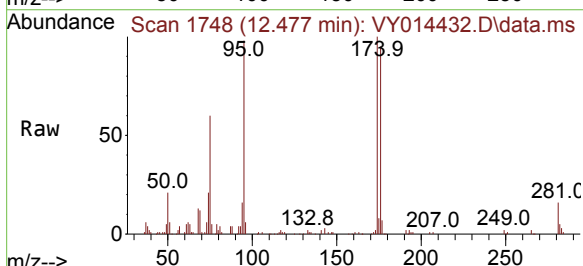
Acq: 26 Jun 2023 14:30

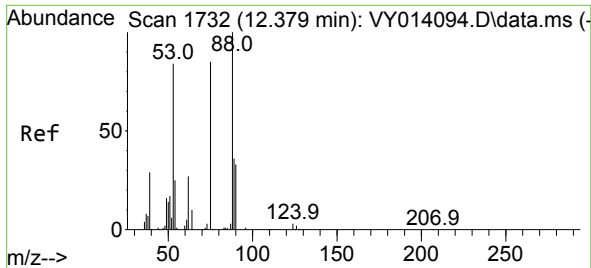
Tgt Ion: 75 Resp: 22320

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 85.350 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.098 min  
 Lab File: VY014432.D  
 Acq: 26 Jun 2023 14:30

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-0623

Tgt Ion: 75 Resp: 22320  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.0 37.4 56.0#

