

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041423\  
 Data File : VY013311.D  
 Acq On : 14 Apr 2023 11:28  
 Operator : KP/MD  
 Sample : VY0414SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0414SBL01

Quant Time: Apr 17 02:07:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041223S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 13 05:55:16 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 245970   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 405004   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 365306   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 169130   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 160729   | 54.374   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.740% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 141839   | 54.096   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.200% |
| 50) Toluene-d8              | 10.179 | 98    | 496779   | 50.903   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 101.800% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 154106   | 48.599   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 97.200%  |

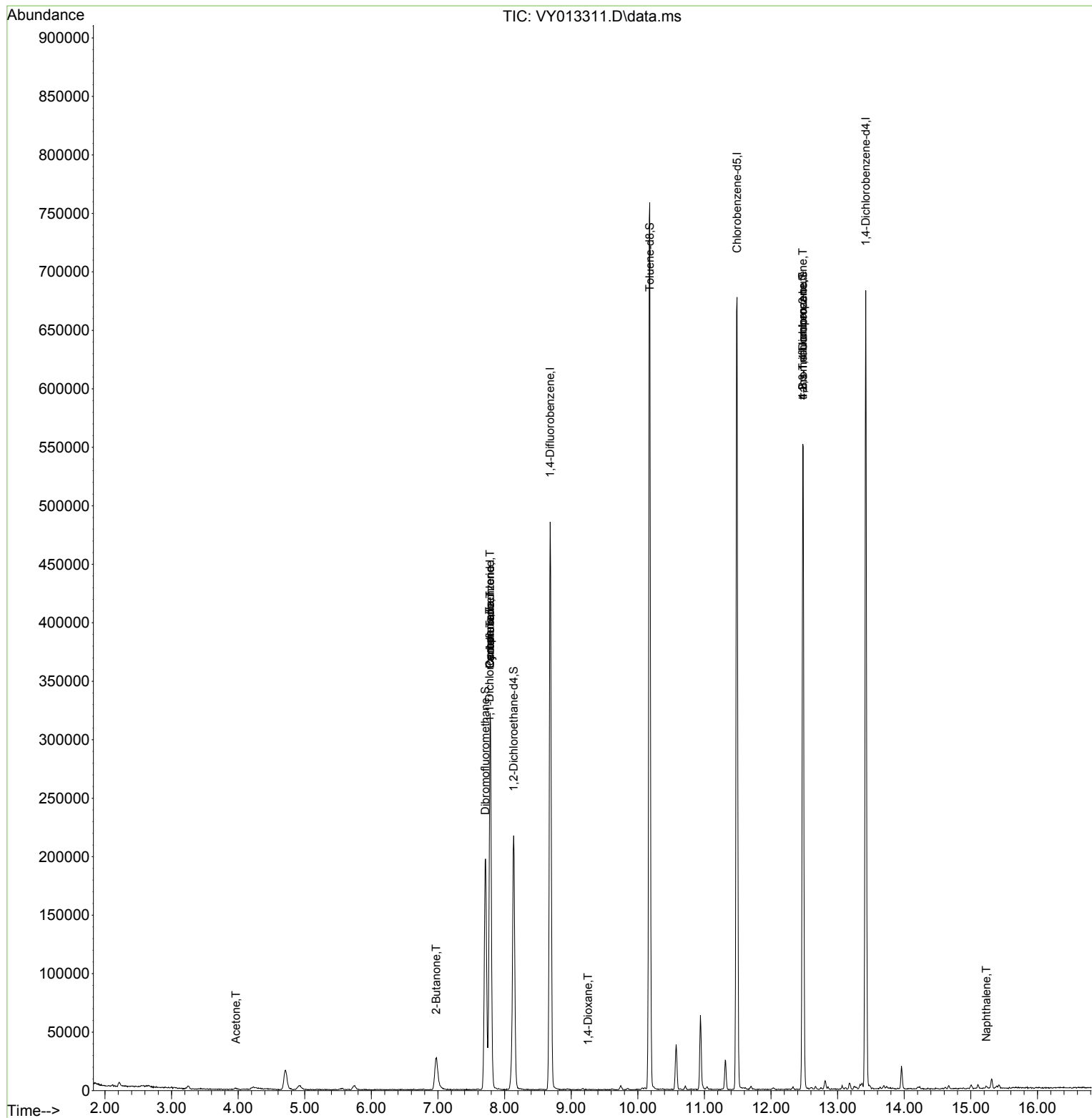
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 11) Tert butyl alcohol        | 5.003  | 59  | 200   | Below Cal | #      | 74  |
| 16) Acetone                   | 3.967  | 43  | 2207  | 2.171     | ug/l # | 70  |
| 25) 2-Butanone                | 6.972  | 43  | 2175  | 1.671     | ug/l # | 65  |
| 31) Cyclohexane               | 7.783  | 56  | 5689  | 1.273     | ug/l # | 21  |
| 36) 1,1-Dichloropropene       | 7.777  | 75  | 19324 | 4.865     | ug/l # | 50  |
| 38) Carbon Tetrachloride      | 7.783  | 117 | 24403 | 5.556     | ug/l # | 16  |
| 49) 1,4-Dioxane               | 9.252  | 88  | 34    | 1.397     | ug/l # | 23  |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75  | 82833 | 39.304    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75  | 82833 | 81.575    | ug/l # | 13  |
| 95) Naphthalene               | 15.233 | 128 | 1685  | 3.417     | ug/l # | 82  |

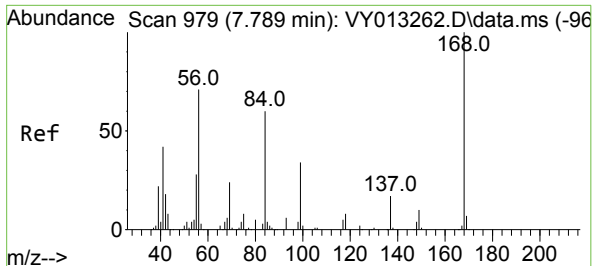
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041423\  
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Sample : VY0414SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

Quant Time: Apr 17 02:07:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041223S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 13 05:55:16 2023  
Response via : Initial Calibration

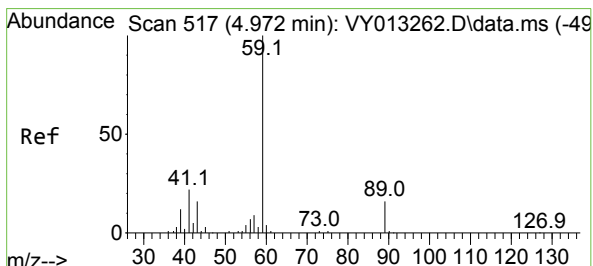
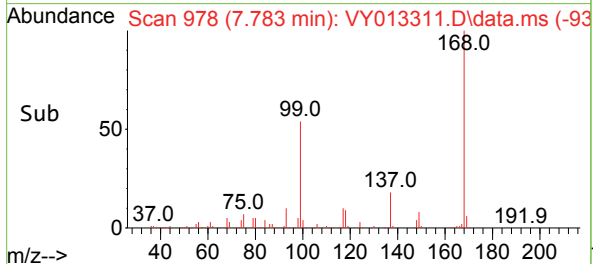
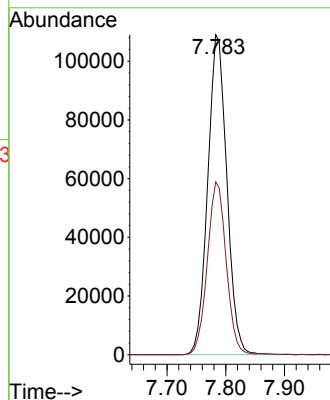
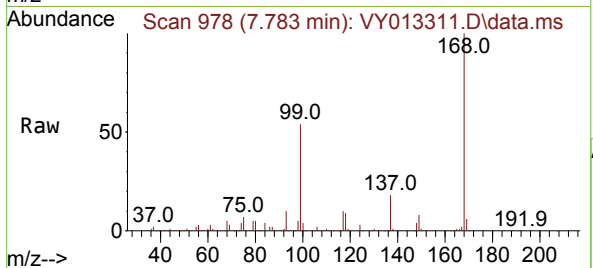




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

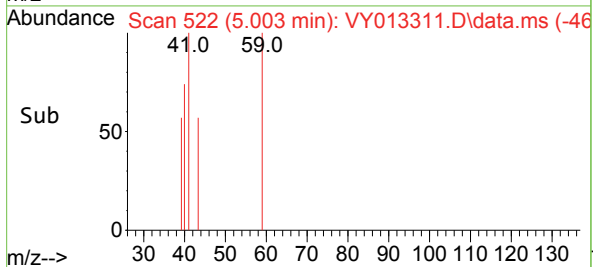
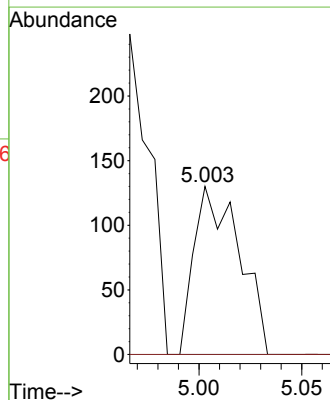
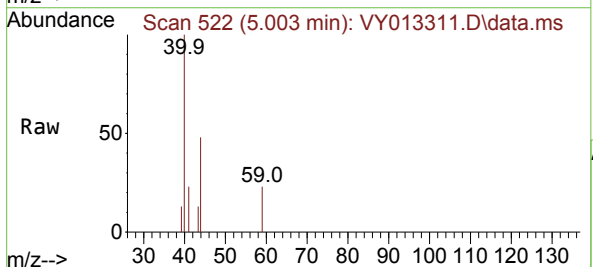
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

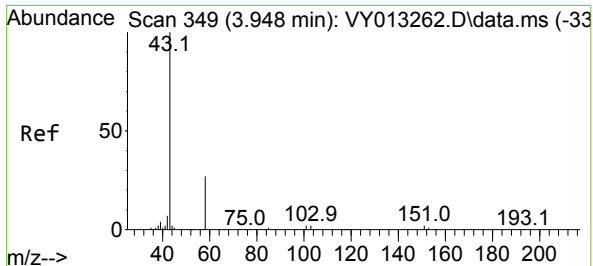
Tgt Ion:168 Resp: 245970  
Ion Ratio Lower Upper  
168 100  
99 54.0 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.003 min Scan# 522  
Delta R.T. 0.031 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

Tgt Ion: 59 Resp: 200  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

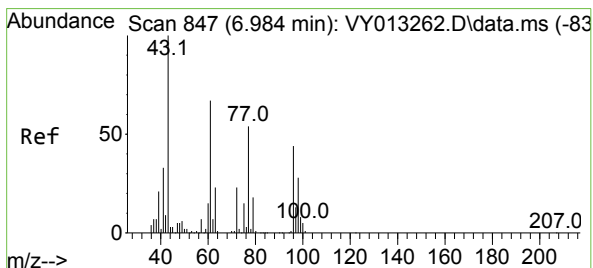
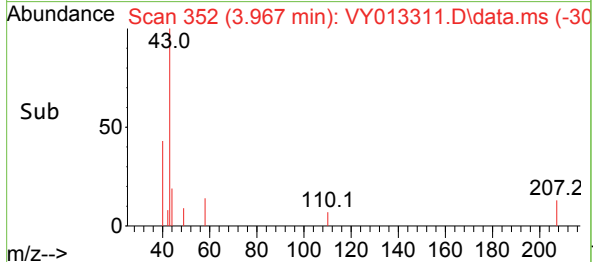
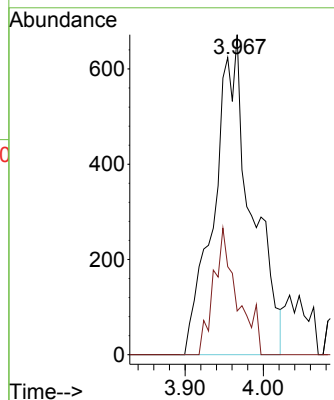
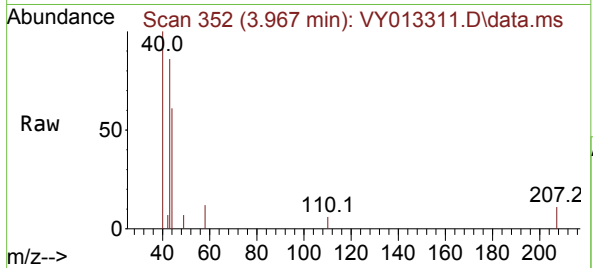




#16  
Acetone  
Concen: 2.171 ug/l  
RT: 3.967 min Scan# 311  
Delta R.T. 0.018 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

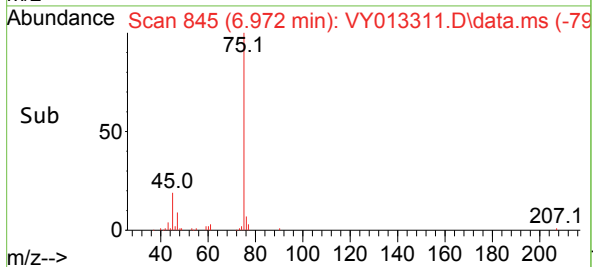
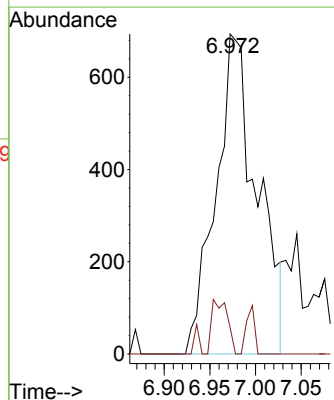
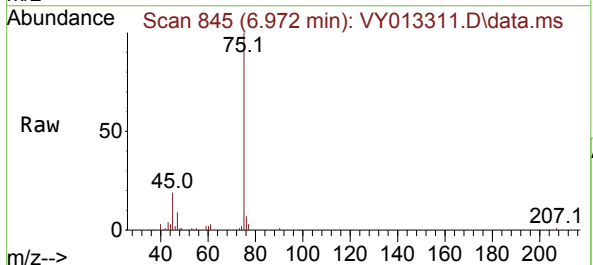
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

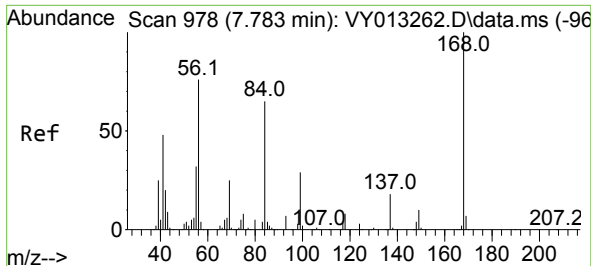
Tgt Ion: 43 Resp: 2207  
Ion Ratio Lower Upper  
43 100  
58 13.7 24.2 36.2#



#25  
2-Butanone  
Concen: 1.671 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

Tgt Ion: 43 Resp: 2175  
Ion Ratio Lower Upper  
43 100  
72 8.2 21.0 31.4#

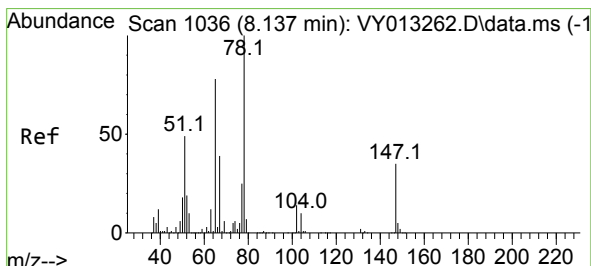
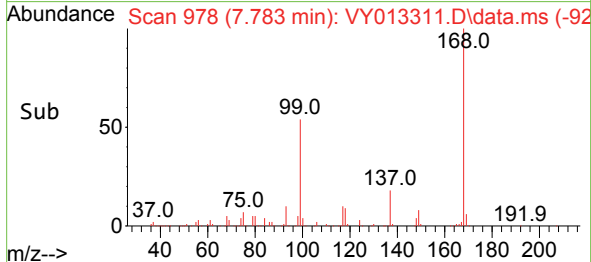
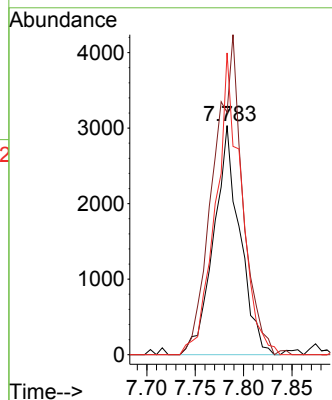
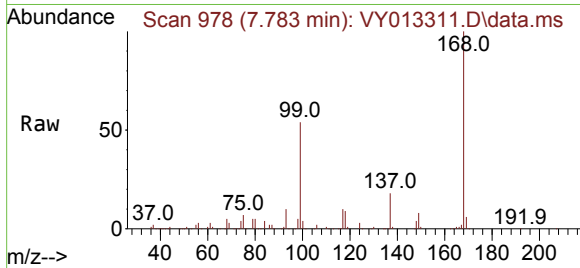




#31  
Cyclohexane  
Concen: 1.273 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

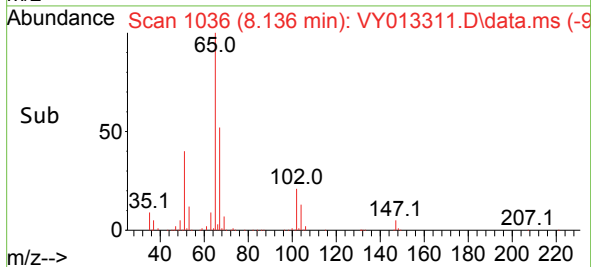
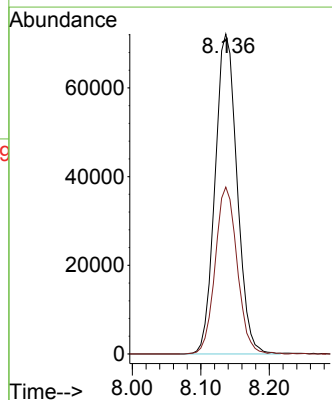
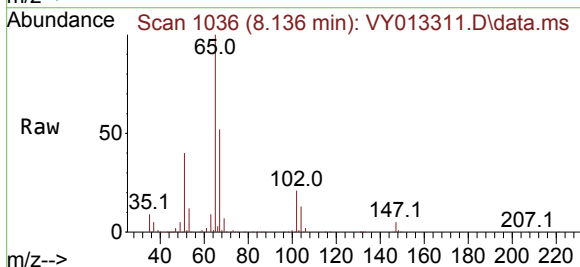
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

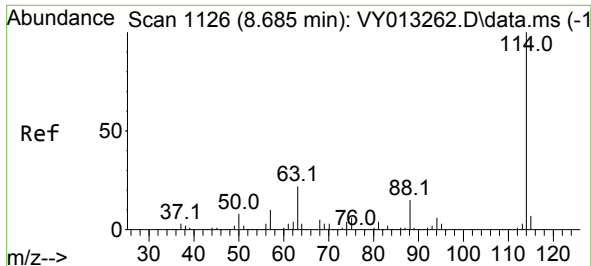
Tgt Ion: 56 Resp: 5689  
Ion Ratio Lower Upper  
56 100  
69 105.7 25.7 38.5#  
84 131.7 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 54.374 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

Tgt Ion: 65 Resp: 160729  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.0

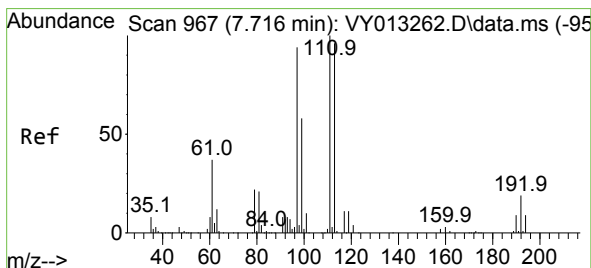
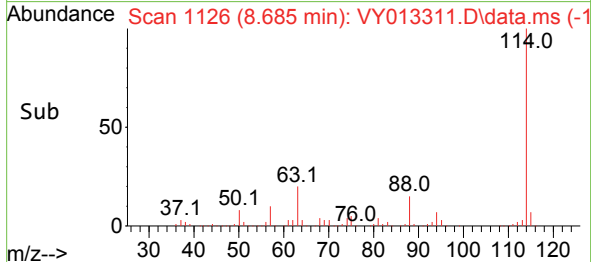
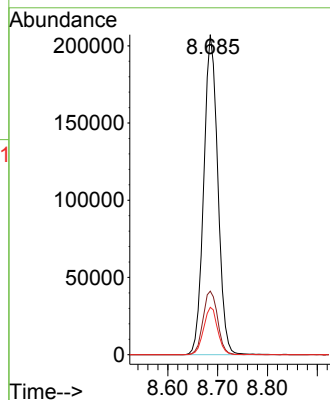
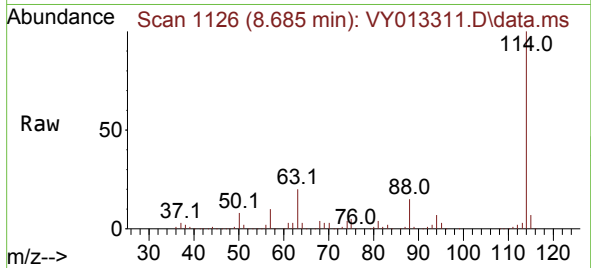




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

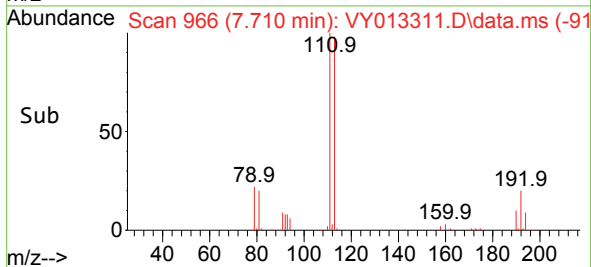
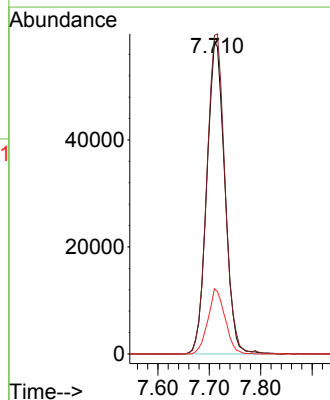
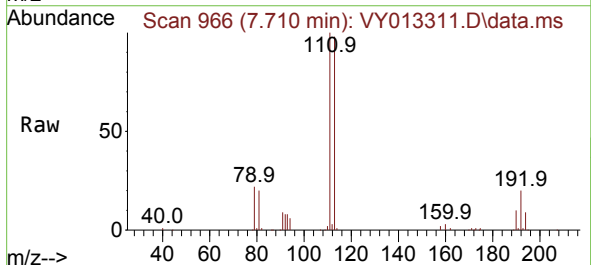
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

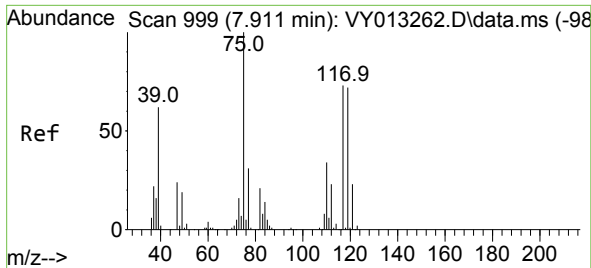
Tgt Ion:114 Resp: 405004  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 37.4  
88 14.8 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 54.096 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

Tgt Ion:113 Resp: 141839  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.2  
192 19.8 16.8 25.2

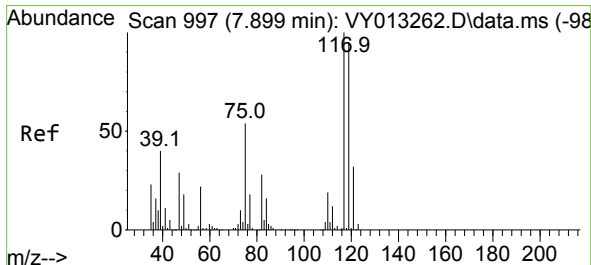
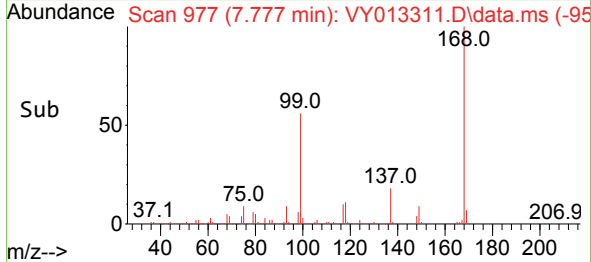
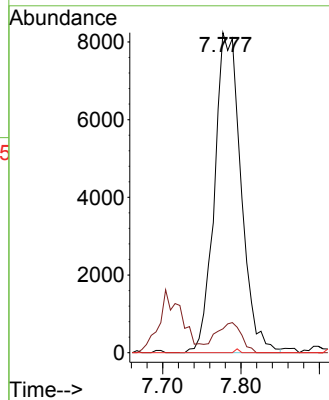
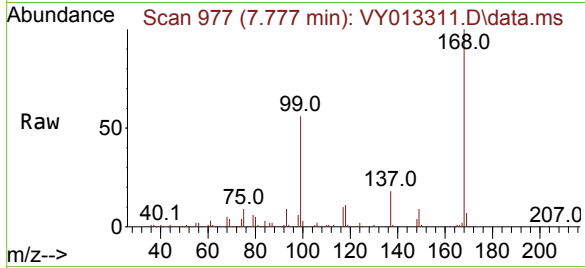




#36  
 1,1-Dichloropropene  
 Concen: 4.865 ug/l  
 RT: 7.777 min Scan# 911  
 Delta R.T. -0.134 min  
 Lab File: VY013311.D  
 Acq: 14 Apr 2023 11:28

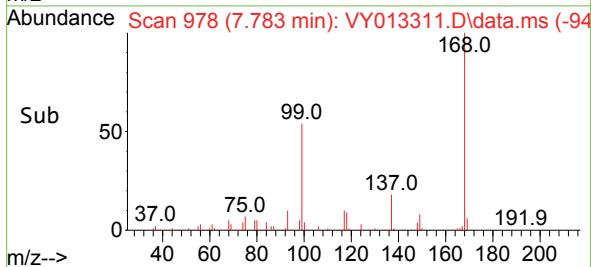
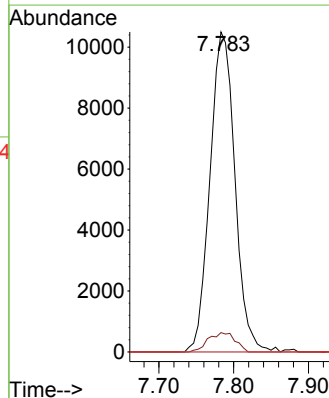
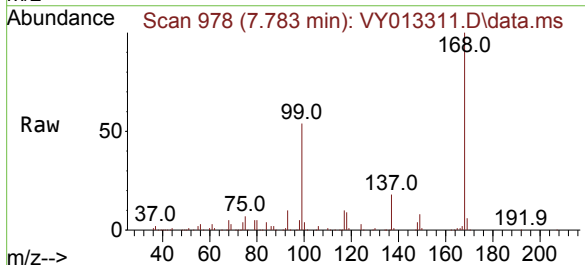
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0414SBL01

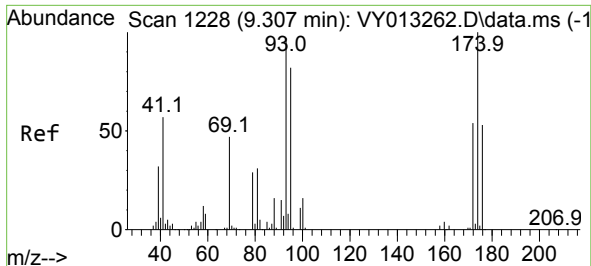
Tgt Ion: 75 Resp: 19324  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 17.8 53.3#  
 77 0.2 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 5.556 ug/l  
 RT: 7.783 min Scan# 978  
 Delta R.T. -0.116 min  
 Lab File: VY013311.D  
 Acq: 14 Apr 2023 11:28

Tgt Ion: 117 Resp: 24403  
 Ion Ratio Lower Upper  
 117 100  
 119 6.0 77.2 115.8#  
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.397 ug/l

RT: 9.252 min Scan# 1219

Delta R.T. -0.055 min

Lab File: VY013311.D

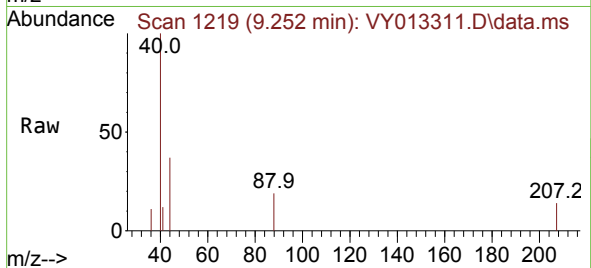
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Instrument :

MSVOA\_Y

ClientSampleId :

VY0414SBL01



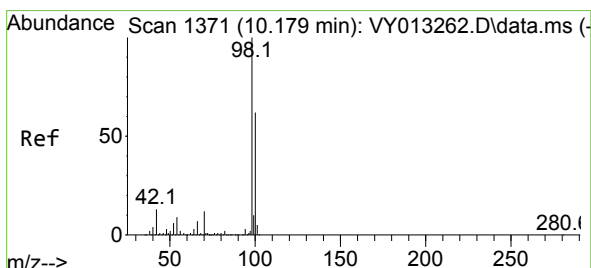
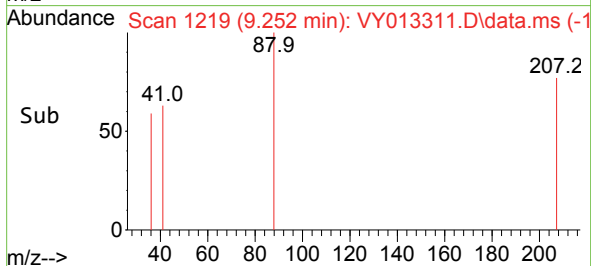
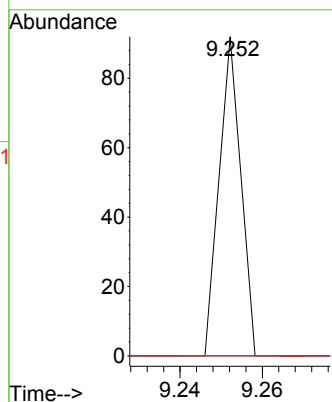
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 50.903 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013311.D

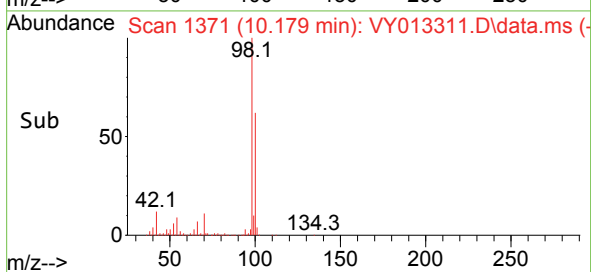
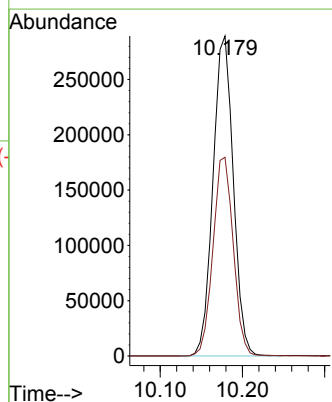
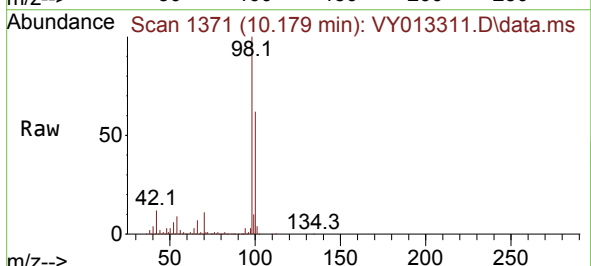
Acq: 14 Apr 2023 11:28

Tgt Ion: 98 Resp: 496779

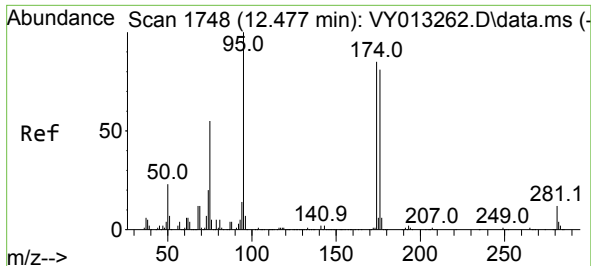
Ion Ratio Lower Upper

98 100

100 62.0 50.9 76.3



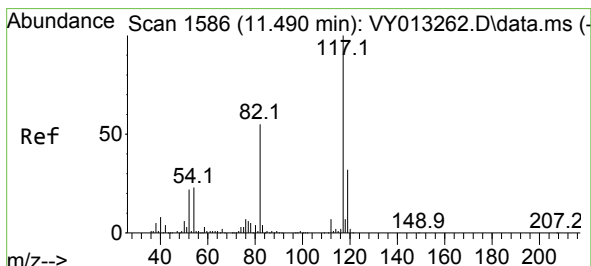
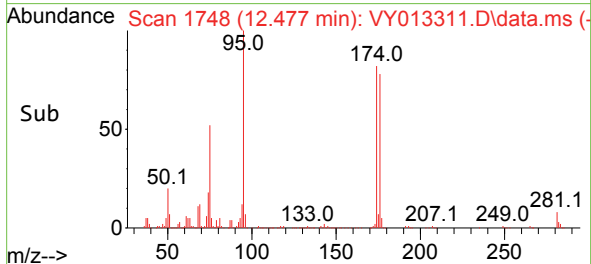
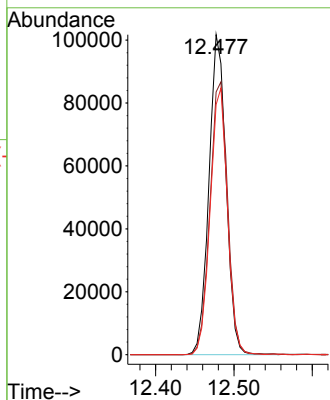
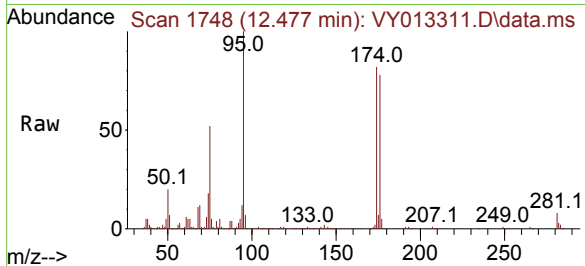




#62  
4-Bromofluorobenzene  
Concen: 48.599 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

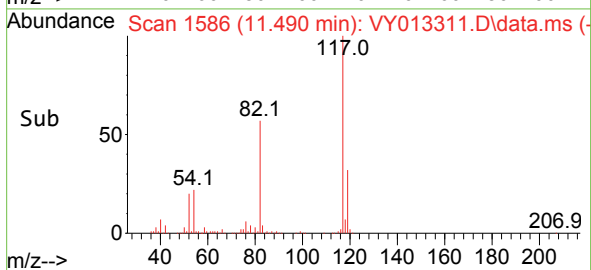
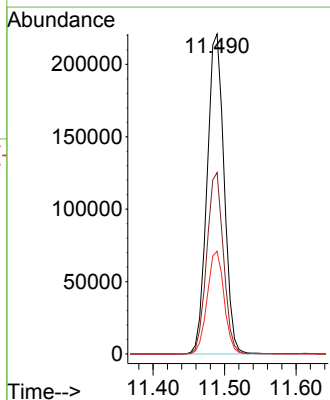
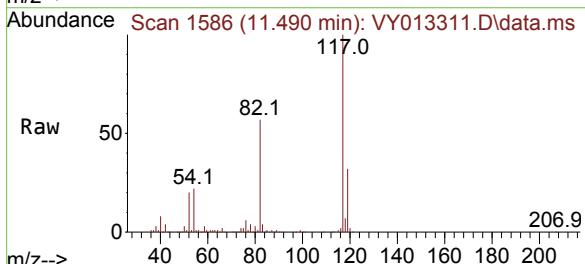
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0414SBL01

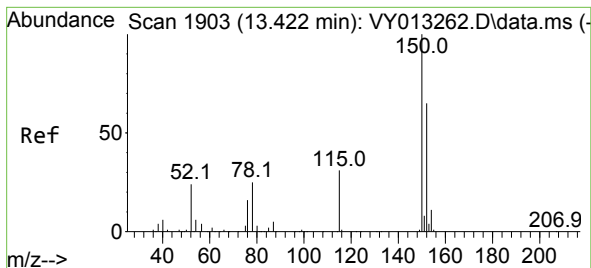
Tgt Ion: 95 Resp: 154106  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 176.6  
176 84.3 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013311.D  
Acq: 14 Apr 2023 11:28

Tgt Ion: 117 Resp: 365306  
Ion Ratio Lower Upper  
117 100  
82 56.7 45.4 68.0  
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013311.D

Acq: 14 Apr 2023 11:28

Instrument :

MSVOA\_Y

ClientSampleId :

VY0414SBL01

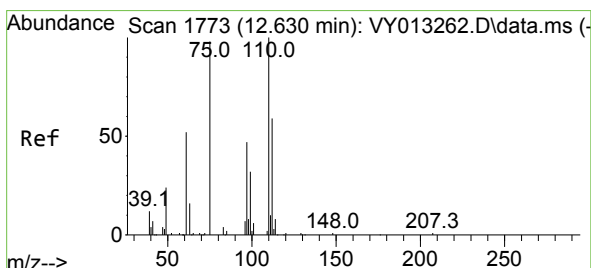
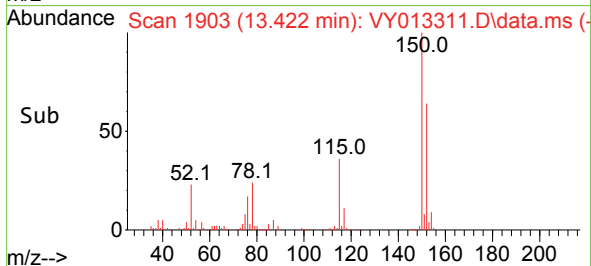
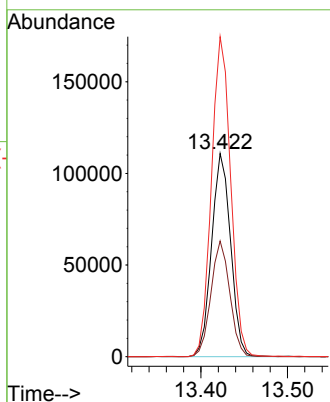
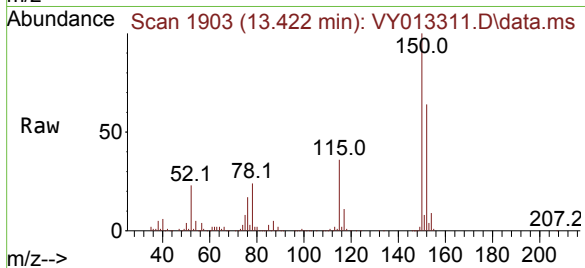
Tgt Ion:152 Resp: 169130

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 159.0 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.304 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013311.D

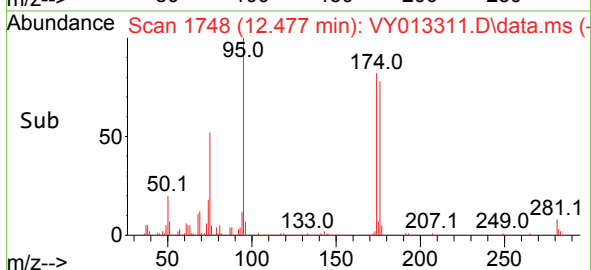
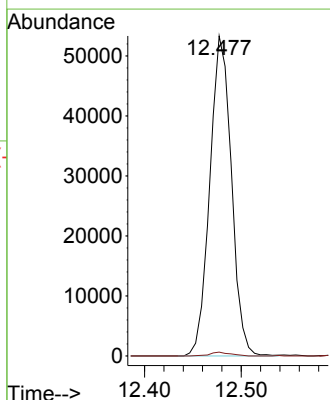
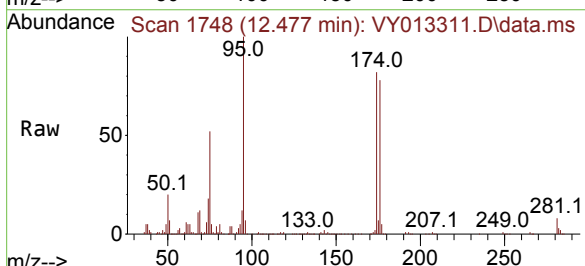
Acq: 14 Apr 2023 11:28

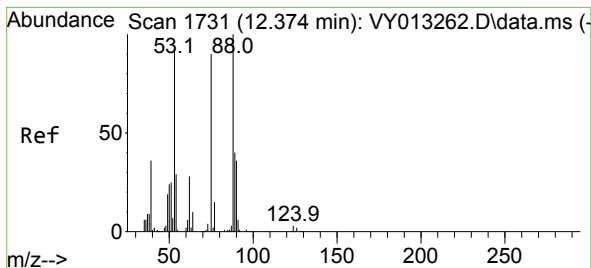
Tgt Ion: 75 Resp: 82833

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

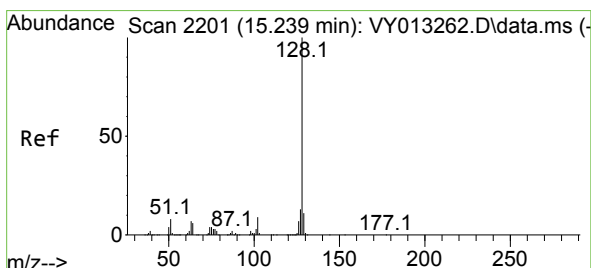
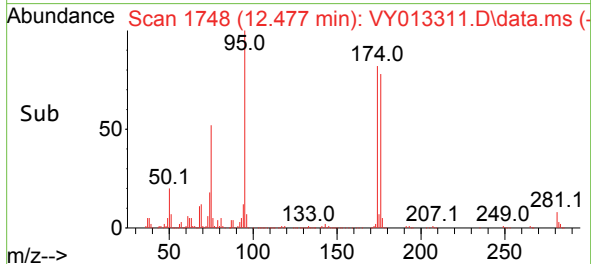
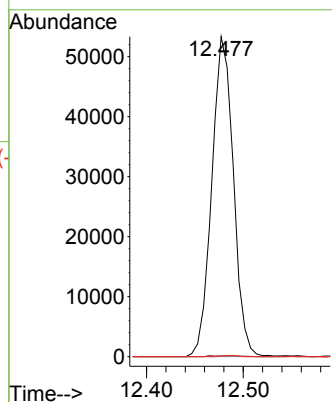
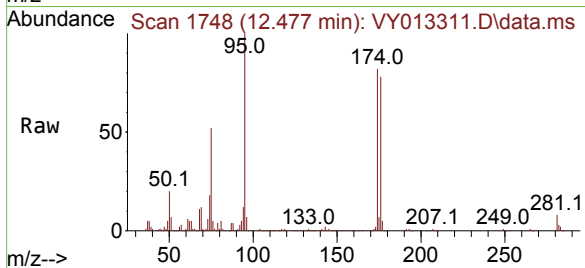




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 81.575 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY013311.D  
 Acq: 14 Apr 2023 11:28

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0414SBL01

Tgt Ion: 75 Resp: 82833  
 Ion Ratio Lower Upper  
 75 100  
 53 0.4 73.4 110.0#  
 89 0.0 36.6 55.0#



#95  
 Naphthalene  
 Concen: 3.417 ug/l  
 RT: 15.233 min Scan# 2200  
 Delta R.T. -0.006 min  
 Lab File: VY013311.D  
 Acq: 14 Apr 2023 11:28

Tgt Ion: 128 Resp: 1685  
 Ion Ratio Lower Upper  
 128 100  
 127 18.1 10.3 15.5#  
 129 2.0 8.6 13.0#

