

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032123\  
 Data File : VY013034.D  
 Acq On : 21 Mar 2023 17:55  
 Operator : KP/MD  
 Sample : 02020-21RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-3RE

Quant Time: Mar 22 04:23:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

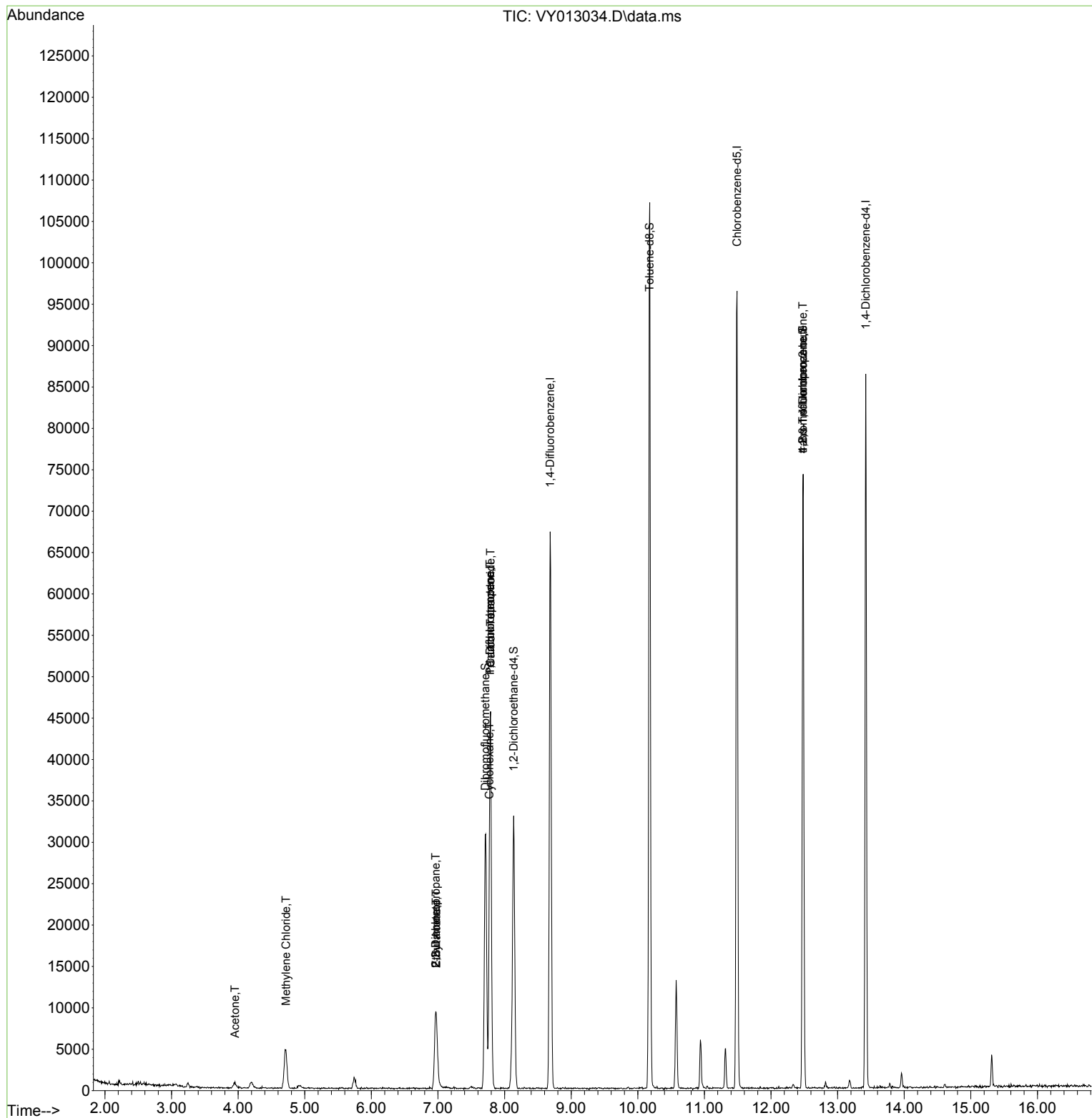
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 35974               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 56848               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 53229               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 21356               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 23274               | 65.161    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 130.320% |           |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 21482               | 62.616    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 125.240% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 69134               | 55.121    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 110.240% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 19331               | 45.664    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 91.320%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.936          | 59   | 571                 | Below Cal | #      | 74       |
| 16) Acetone                   | 3.954          | 43   | 1306                | 9.316     | ug/l # | 86       |
| 20) Methylene Chloride        | 4.716          | 84   | 3583                | 3.364     | ug/l # | 94       |
| 25) 2-Butanone                | 6.972          | 43   | 605                 | 3.484     | ug/l # | 49       |
| 26) 2,2-Dichloropropane       | 6.966          | 77   | 661                 | 1.051     | ug/l # | 52       |
| 31) Cyclohexane               | 7.771          | 56   | 789                 | 1.153     | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 3010                | 5.235     | ug/l # | 47       |
| 37) Ethyl Acetate             | 6.972          | 43   | 605                 | 1.670     | ug/l # | 1        |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 3381                | 5.695     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 10401               | 40.784    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 10401               | 84.506    | ug/l # | 13       |
| -----                         |                |      |                     |           |        |          |

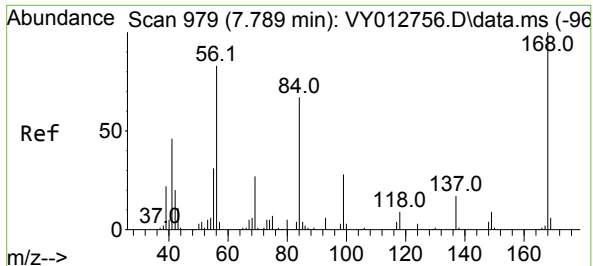
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032123\  
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MSVOA\_Y  
ClientSampleId :  
SP-3RE

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Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

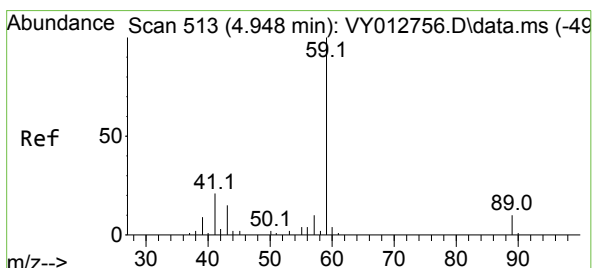
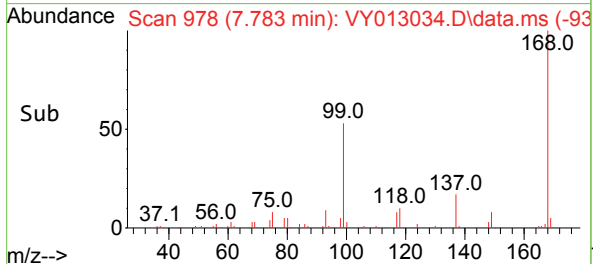
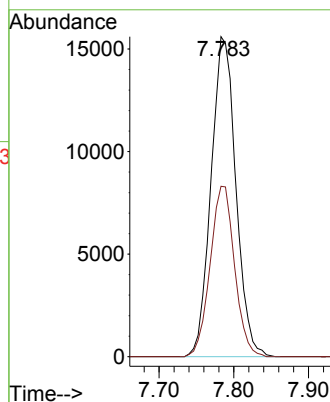
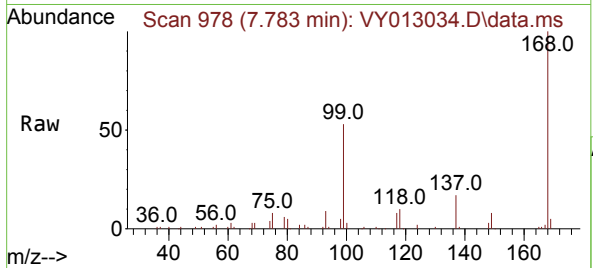




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

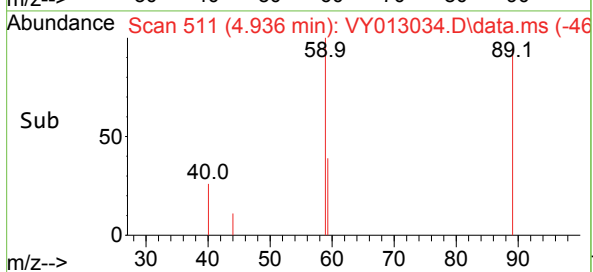
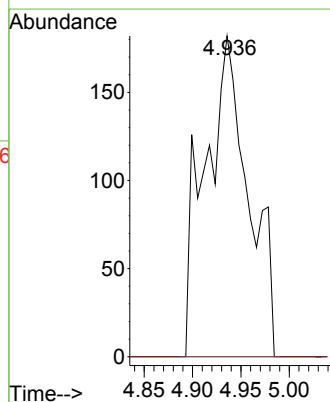
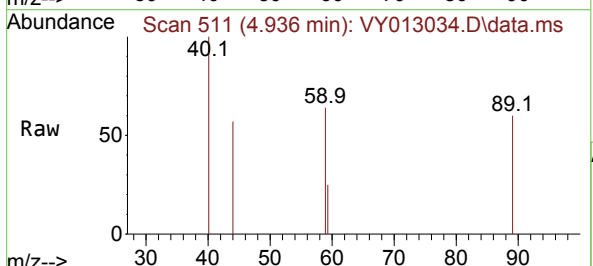
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3RE

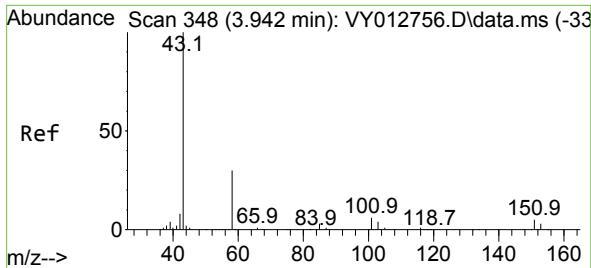
Tgt Ion:168 Resp: 35974  
Ion Ratio Lower Upper  
168 100  
99 53.2 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion: 59 Resp: 571  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#

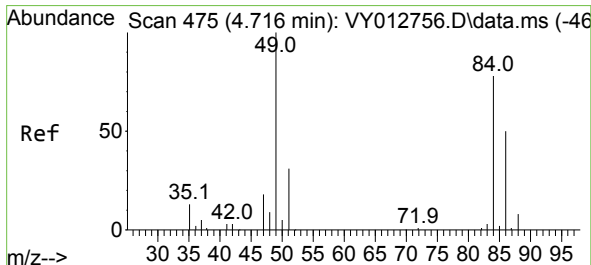
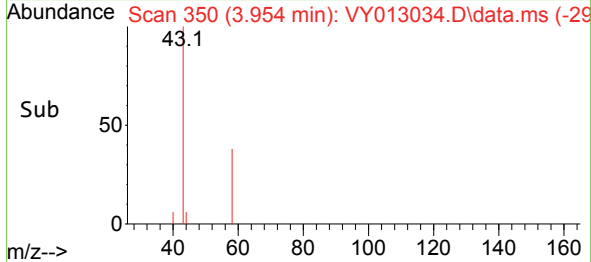
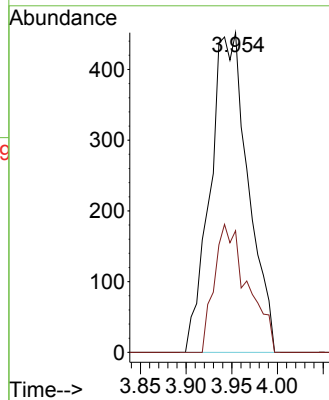
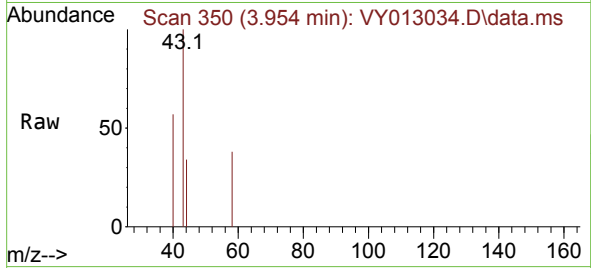




#16  
Acetone  
Concen: 9.316 ug/l  
RT: 3.954 min Scan# 316  
Delta R.T. 0.012 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

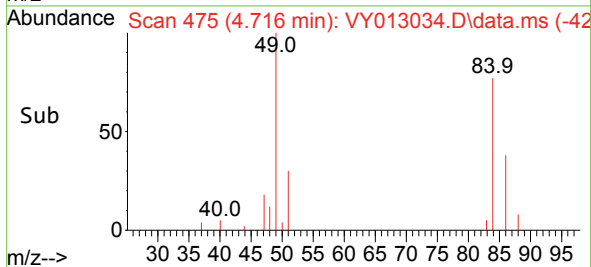
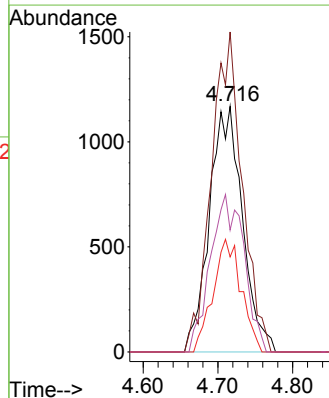
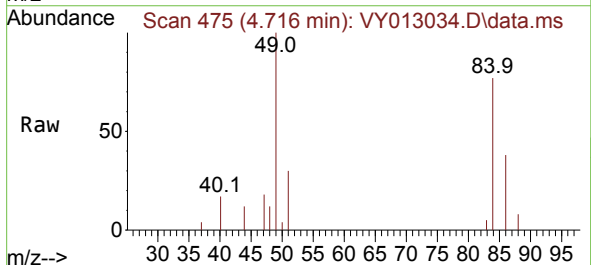
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3RE

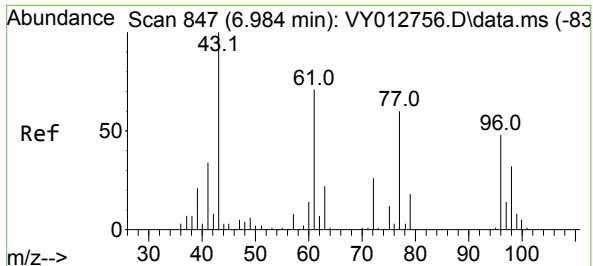
Tgt Ion: 43 Resp: 1306  
Ion Ratio Lower Upper  
43 100  
58 38.1 24.2 36.2#



#20  
Methylene Chloride  
Concen: 3.364 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion: 84 Resp: 3583  
Ion Ratio Lower Upper  
84 100  
49 130.3 102.6 154.0  
51 38.7 31.9 47.9  
86 49.6 51.0 76.6#





#25

2-Butanone

Concen: 3.484 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

Instrument :

MSVOA\_Y

ClientSampleId :

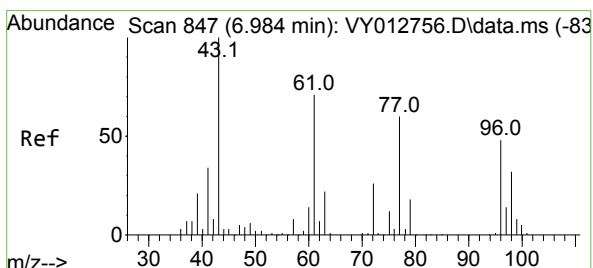
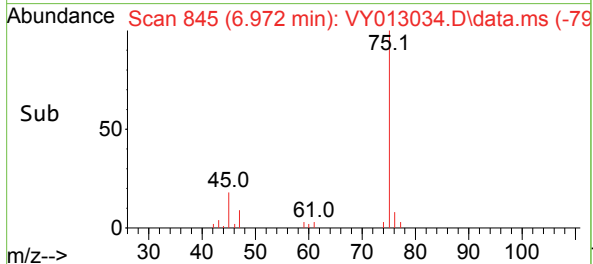
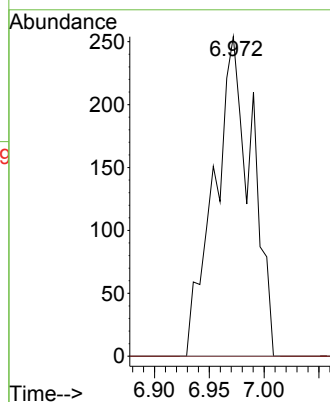
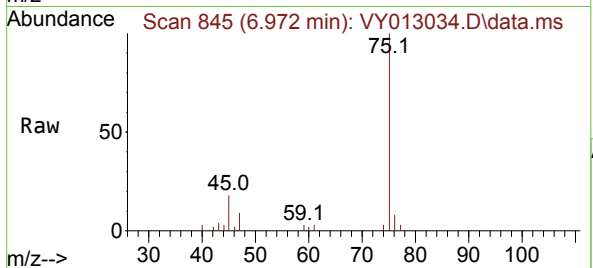
SP-3RE

Tgt Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.051 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY013034.D

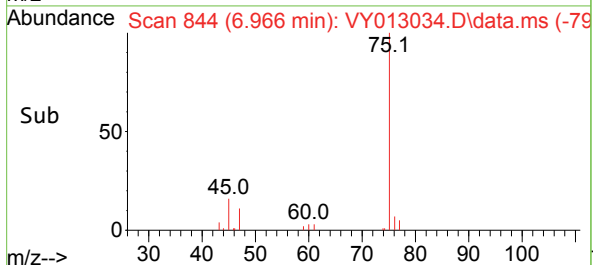
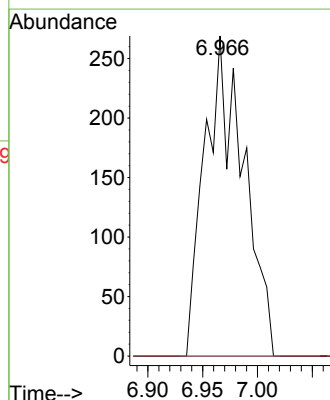
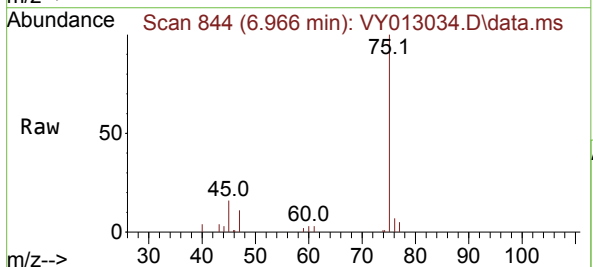
Acq: 21 Mar 2023 17:55

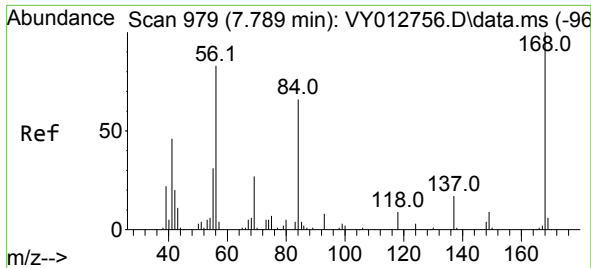
Tgt Ion: 77 Resp: 661

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

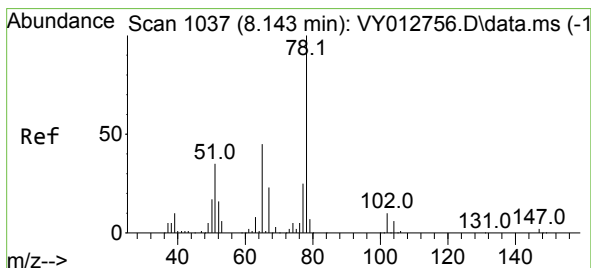
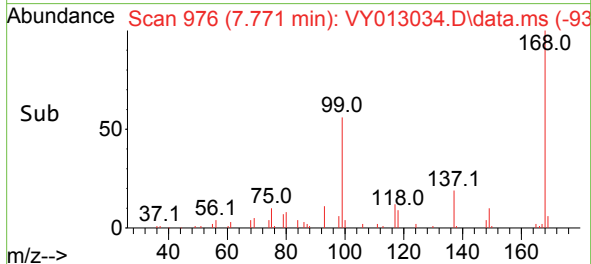
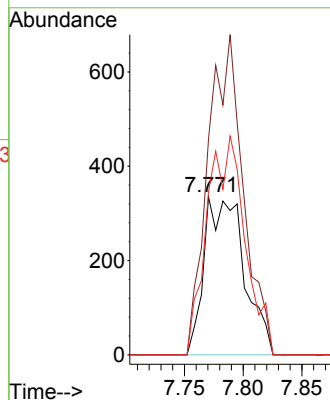
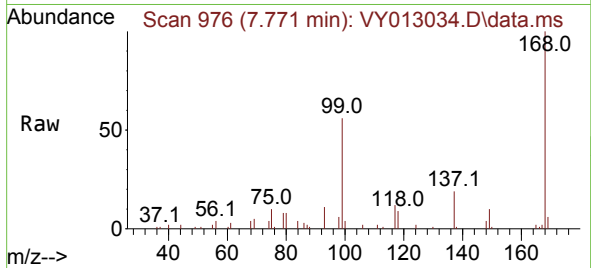




#31  
Cyclohexane  
Concen: 1.153 ug/l  
RT: 7.771 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

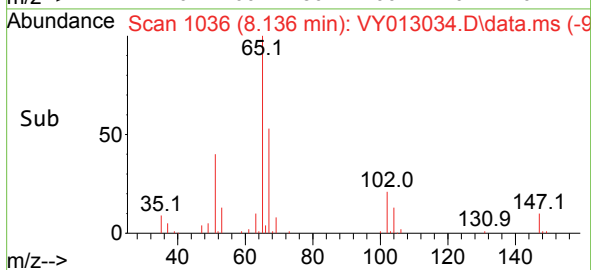
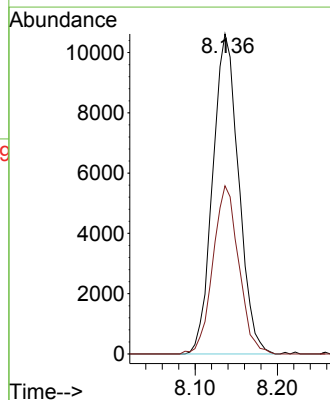
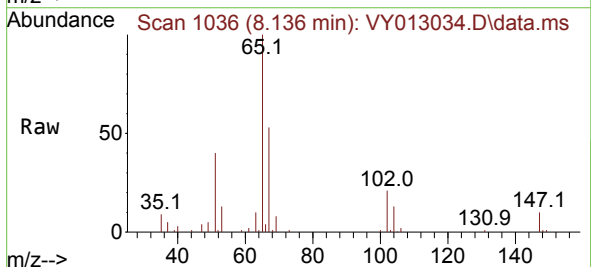
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3RE

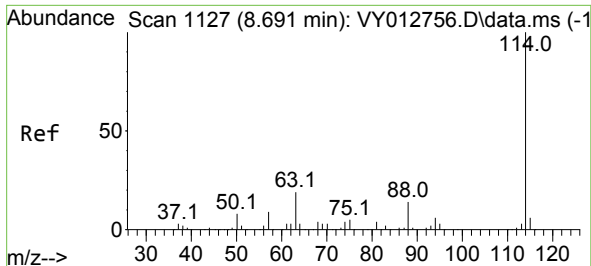
Tgt Ion: 56 Resp: 789  
Ion Ratio Lower Upper  
56 100  
69 136.7 25.7 38.5#  
84 103.3 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 65.161 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.007 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion: 65 Resp: 23274  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 104.0

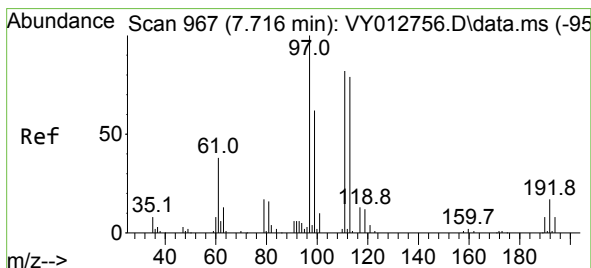
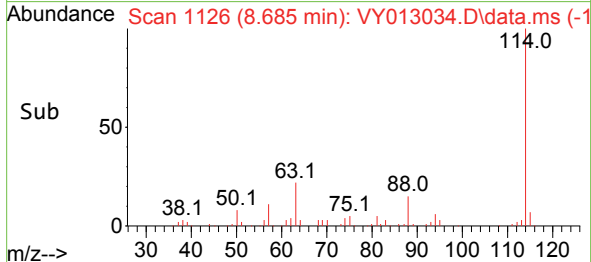
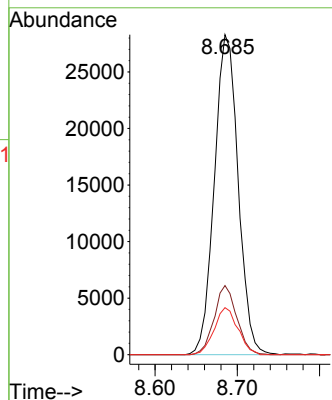
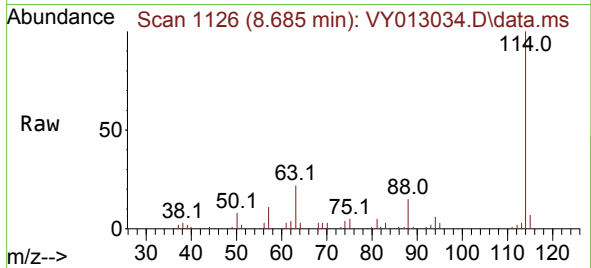




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

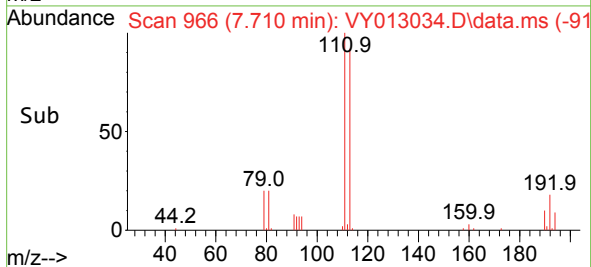
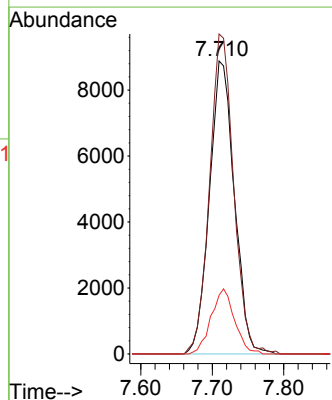
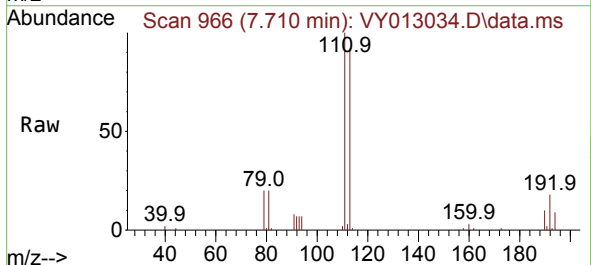
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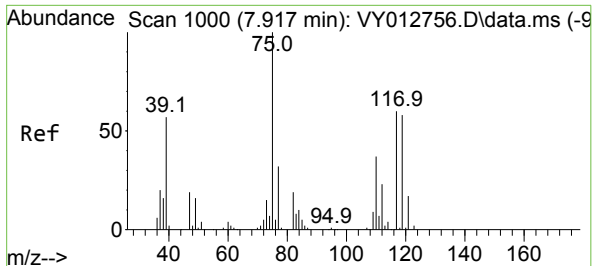
Tgt Ion:114 Resp: 56848  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 37.4  
88 14.7 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 62.616 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion:113 Resp: 21482  
Ion Ratio Lower Upper  
113 100  
111 105.5 82.2 123.2  
192 21.0 16.8 25.2

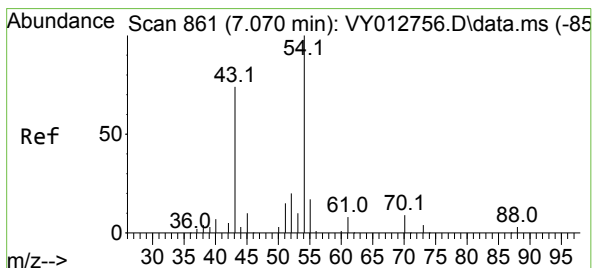
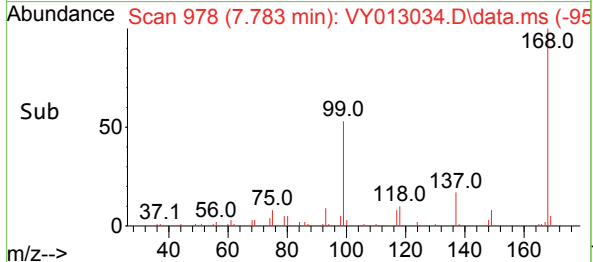
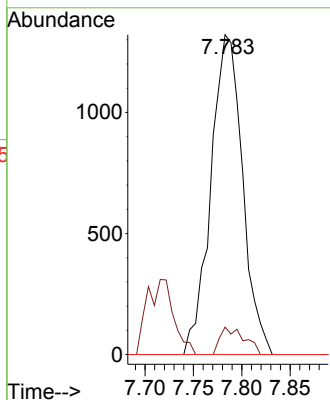
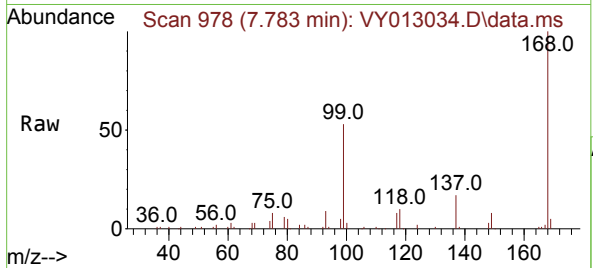




#36  
1,1-Dichloropropene  
Concen: 5.235 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

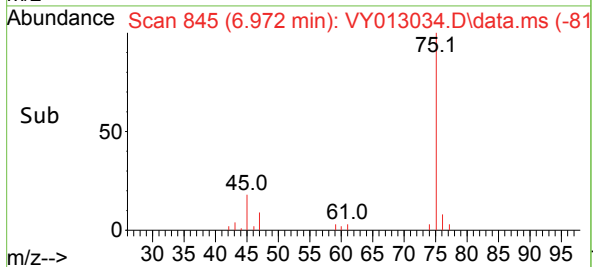
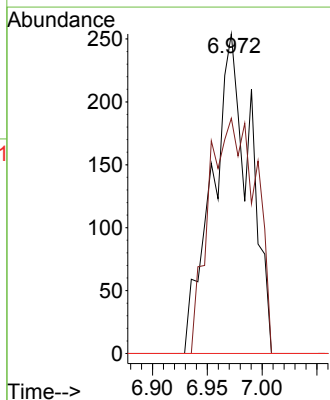
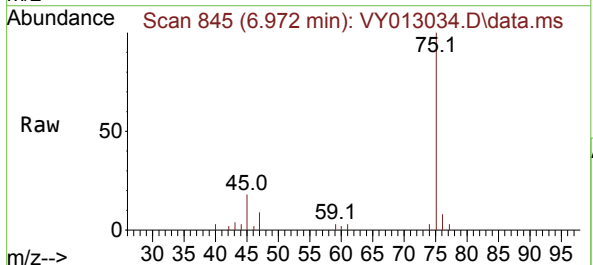
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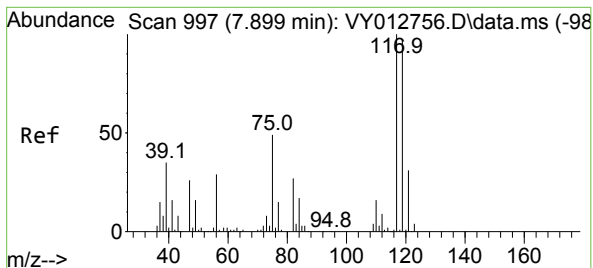
Tgt Ion: 75 Resp: 3010  
Ion Ratio Lower Upper  
75 100  
110 6.5 17.8 53.3#  
77 0.0 25.0 37.4#



#37  
Ethyl Acetate  
Concen: 1.670 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.098 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion: 43 Resp: 605  
Ion Ratio Lower Upper  
43 100  
61 92.1 10.7 16.1#  
70 0.0 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 5.695 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3RE

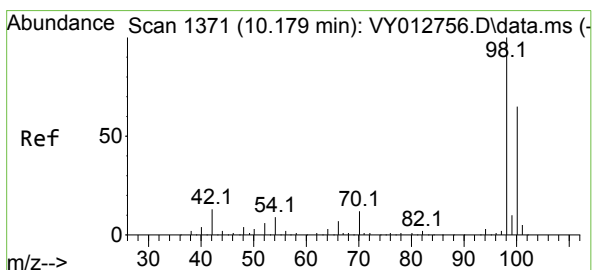
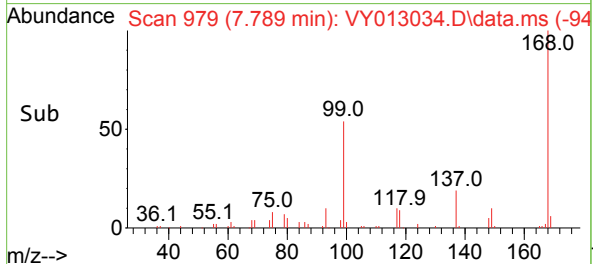
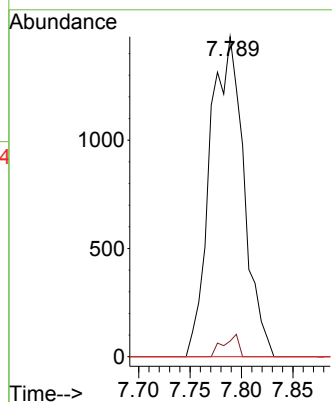
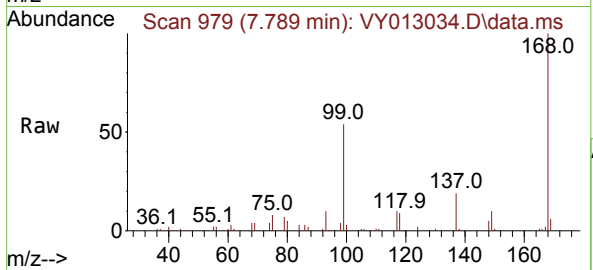
Tgt Ion:117 Resp: 3381

Ion Ratio Lower Upper

117 100

119 4.9 77.2 115.8#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 55.121 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013034.D

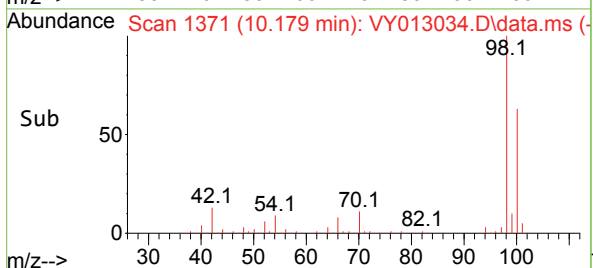
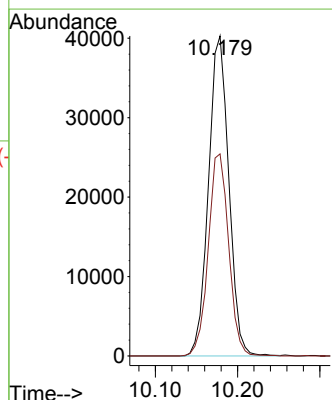
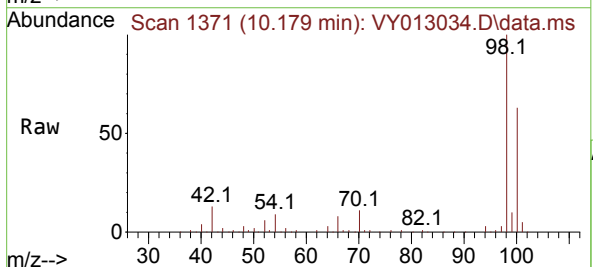
Acq: 21 Mar 2023 17:55

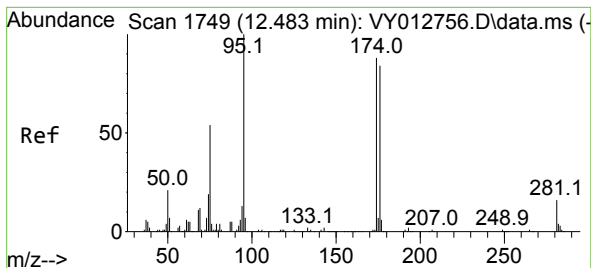
Tgt Ion: 98 Resp: 69134

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3

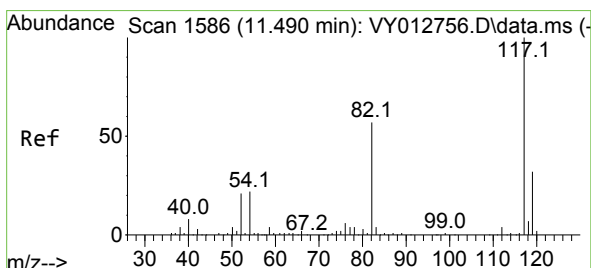
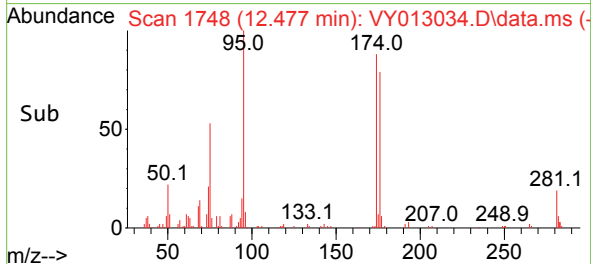
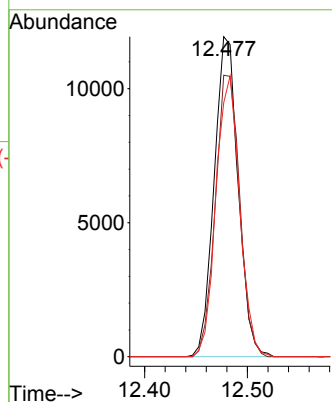
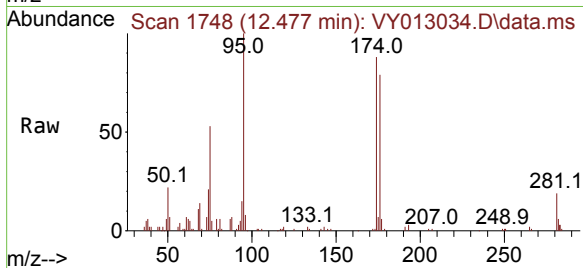




#62  
4-Bromofluorobenzene  
Concen: 45.664 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

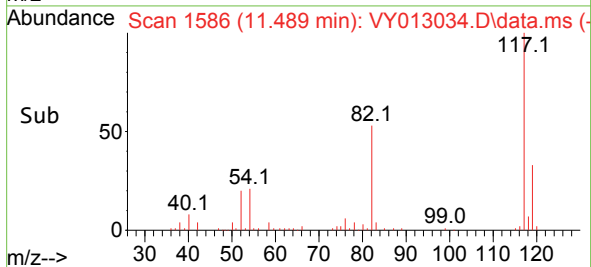
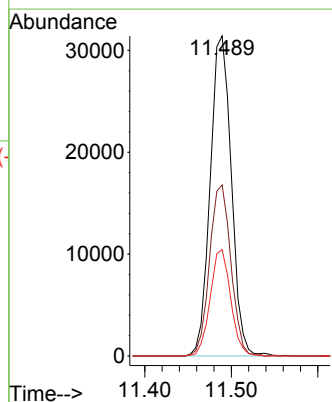
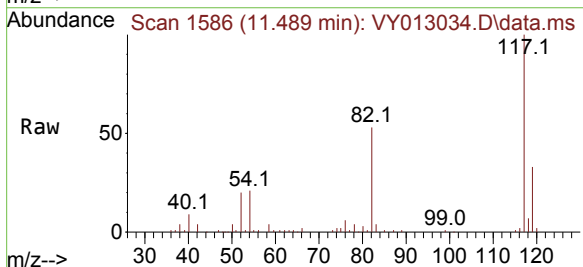
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3RE

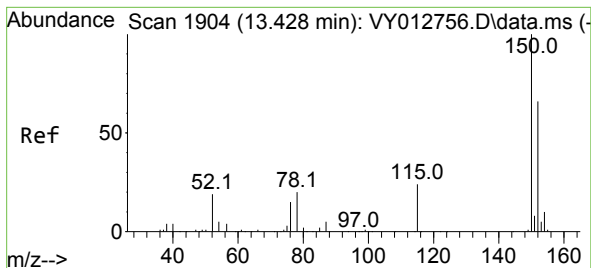
Tgt Ion: 95 Resp: 19331  
Ion Ratio Lower Upper  
95 100  
174 89.3 0.0 176.6  
176 86.5 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY013034.D  
Acq: 21 Mar 2023 17:55

Tgt Ion: 117 Resp: 53229  
Ion Ratio Lower Upper  
117 100  
82 53.5 45.4 68.0  
119 33.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY013034.D

Acq: 21 Mar 2023 17:55

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3RE

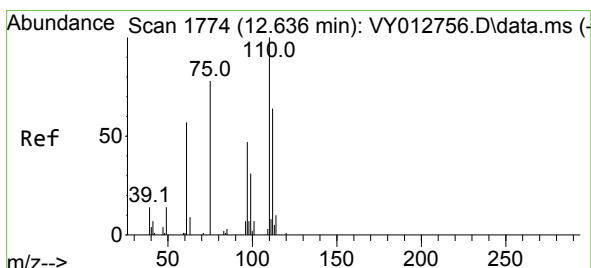
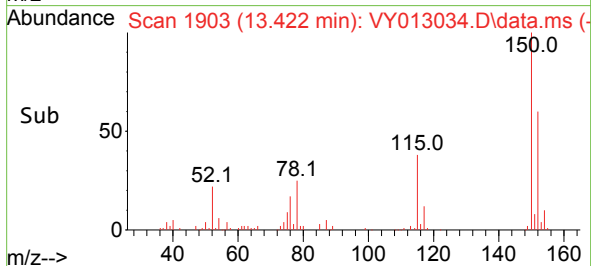
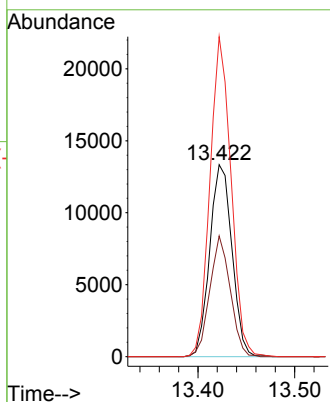
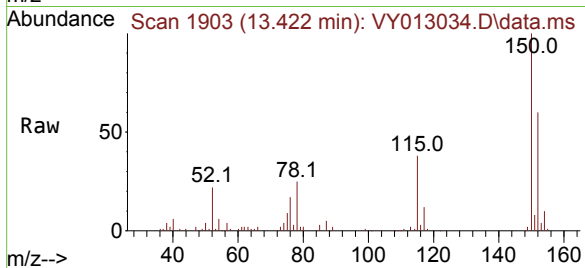
Tgt Ion:152 Resp: 21356

Ion Ratio Lower Upper

152 100

115 57.7 27.1 81.3

150 157.4 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.784 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY013034.D

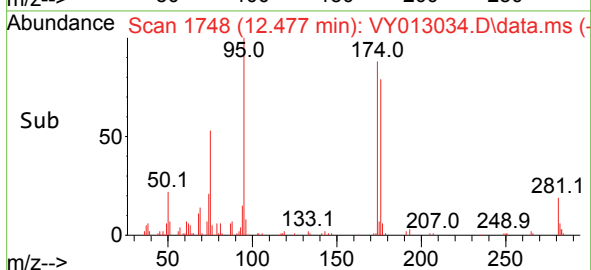
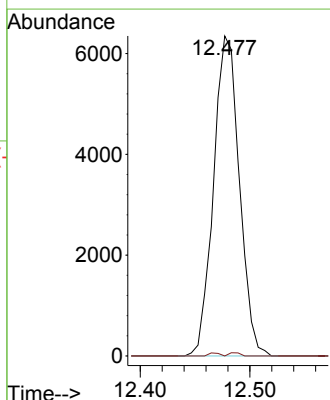
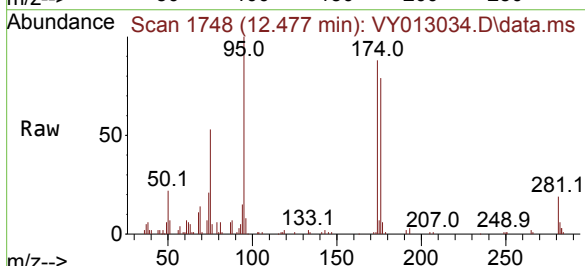
Acq: 21 Mar 2023 17:55

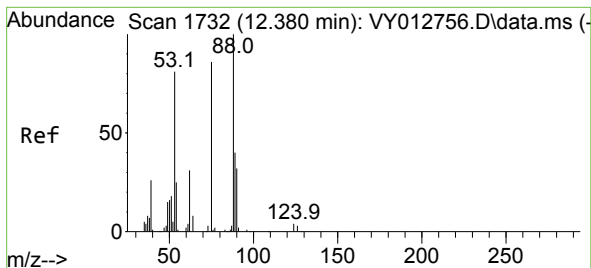
Tgt Ion: 75 Resp: 10401

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 84.506 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY013034.D  
 Acq: 21 Mar 2023 17:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-3RE

Tgt Ion: 75 Resp: 10401  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 73.4 110.0#  
 89 0.3 36.6 55.0#

