

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011224\  
 Data File : VY016988.D  
 Acq On : 12 Jan 2024 13:24  
 Operator : SY/MD  
 Sample : P1123-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

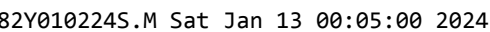
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

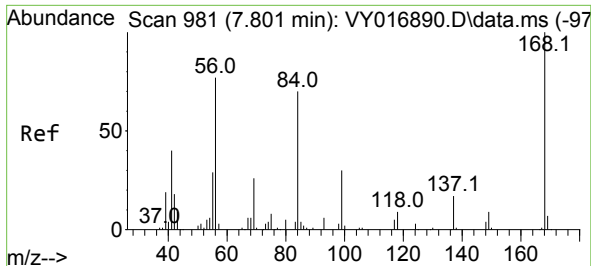
Quant Time: Jan 13 00:04:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.807  | 168   | 62062    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.710  | 114   | 115700   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.508 | 117   | 100421   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.440 | 152   | 33961    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 24741    | 40.334    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 80.660%  |
| 35) Dibromofluoromethane      | 7.740  | 113   | 27743    | 37.629    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 75.260%  |
| 50) Toluene-d8                | 10.197 | 98    | 100954   | 39.764    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 79.520%  |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 27137    | 31.681    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 63.360%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.985  | 59    | 309      | Below Cal | #      | 75       |
| 16) Acetone                   | 3.966  | 43    | 691      | Below Cal | #      | 80       |
| 25) 2-Butanone                | 7.009  | 43    | 102      | Below Cal | #      | 48       |
| 31) Cyclohexane               | 7.813  | 56    | 1326     | 1.260     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 5325     | 4.956     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.807  | 117   | 6515     | 5.968     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75    | 14351    | 38.940    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495 | 75    | 14351    | 88.424    | ug/l # | 12       |
| 95) Naphthalene               | 15.245 | 128   | 575      | 1.204     | ug/l # | 73       |
| -----                         |        |       |          |           |        |          |

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

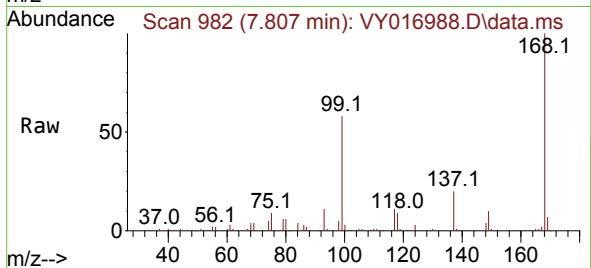
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration



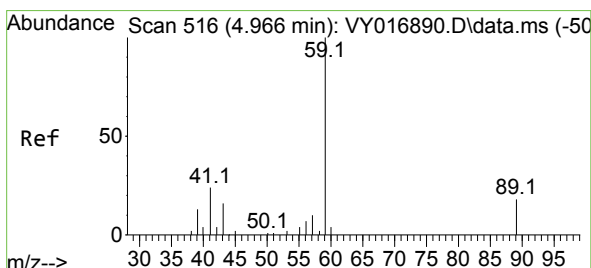
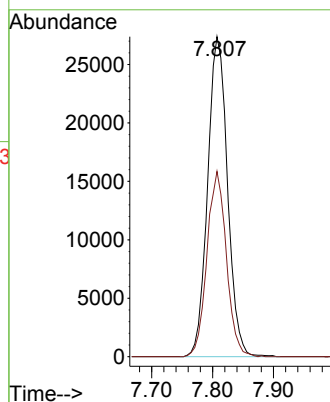
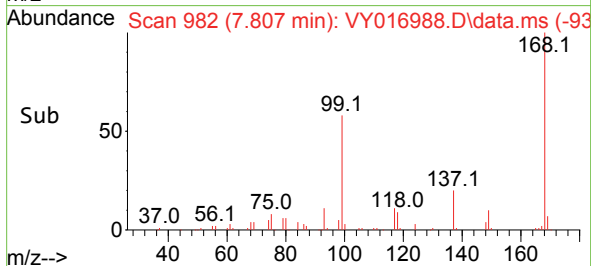


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :

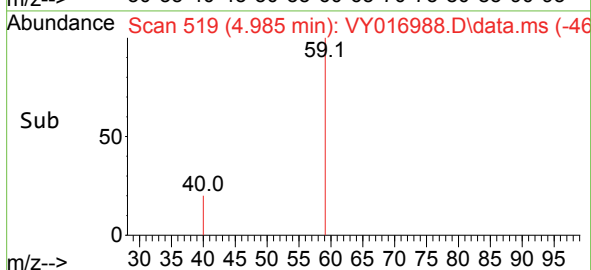
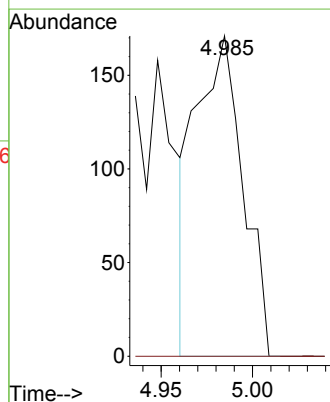
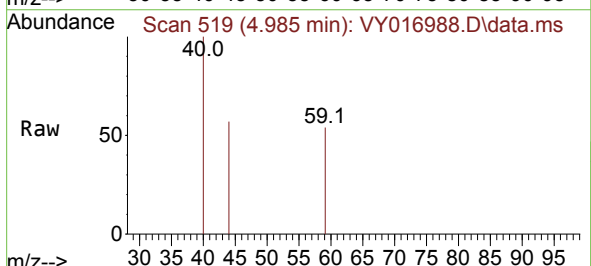


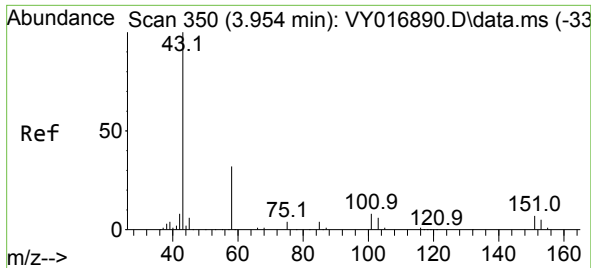
Tgt Ion:168 Resp: 62062  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.985 min Scan# 519  
Delta R.T. 0.019 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

Tgt Ion: 59 Resp: 309  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.966 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

Instrument :

MSVOA\_Y

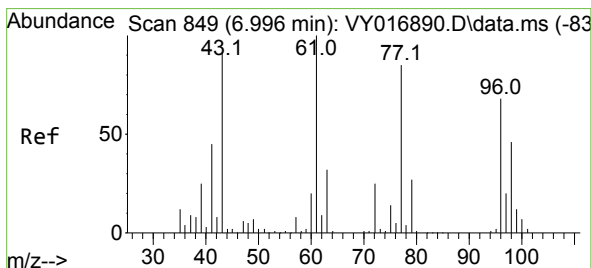
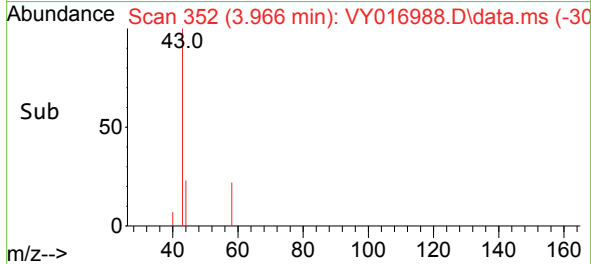
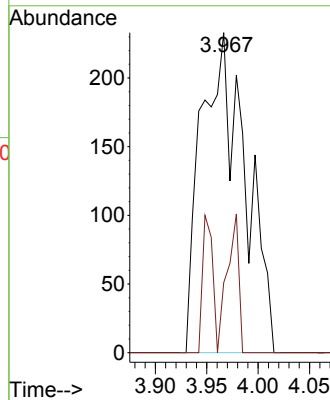
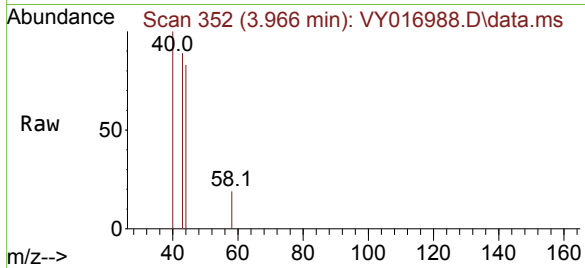
ClientSampleId :

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 21.9 26.6 39.8#



#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY016988.D

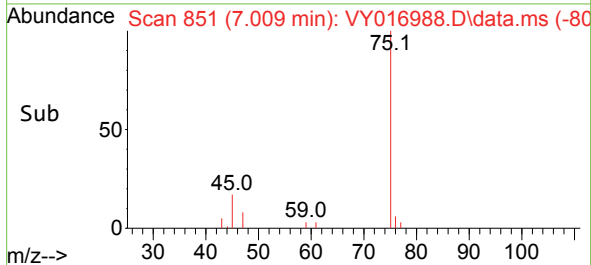
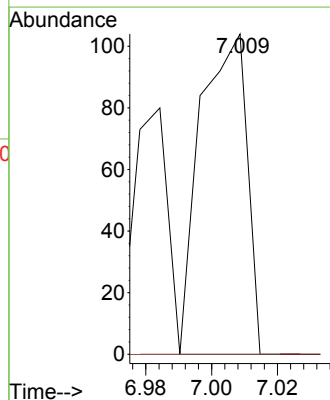
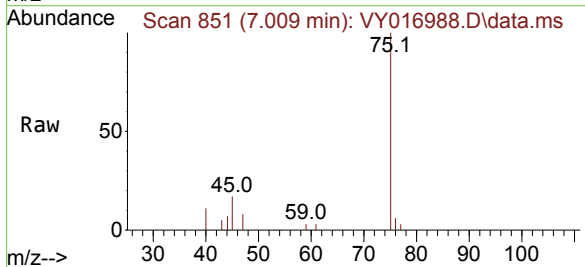
Acq: 12 Jan 2024 13:24

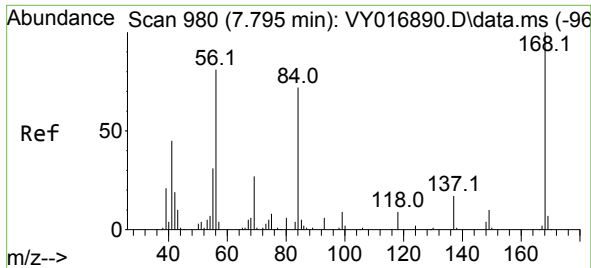
Tgt Ion: 43 Resp: 102

Ion Ratio Lower Upper

43 100

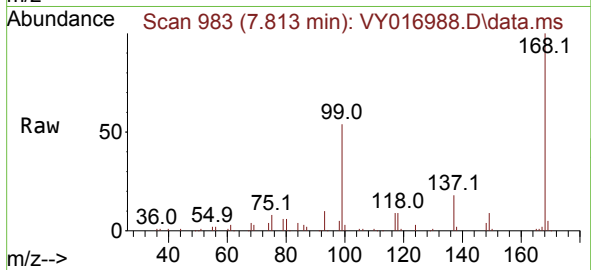
72 0.0 21.4 32.2#



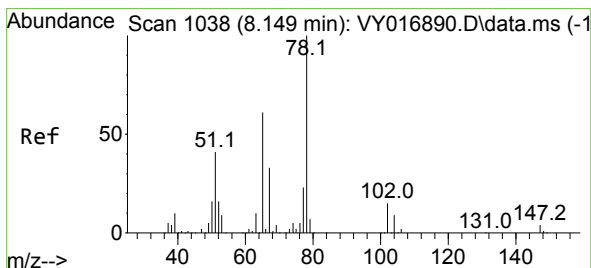
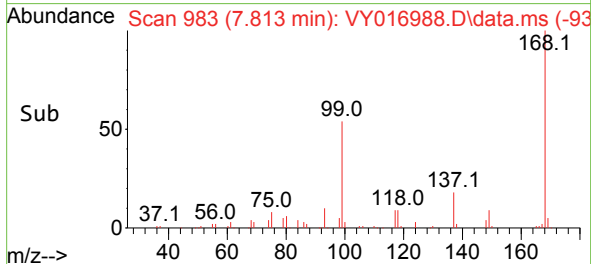
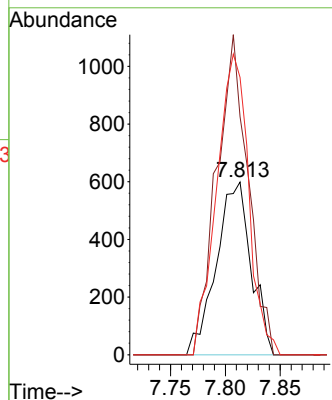


#31  
Cyclohexane  
Concen: 1.260 ug/l  
RT: 7.813 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

Instrument :  
MSVOA\_Y  
ClientSampleId :

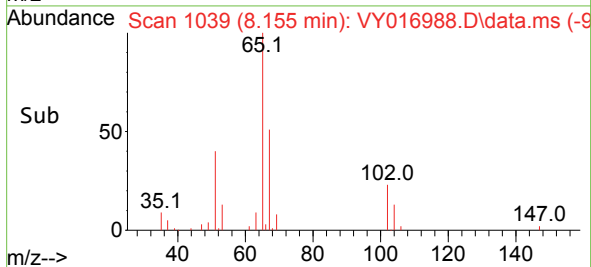
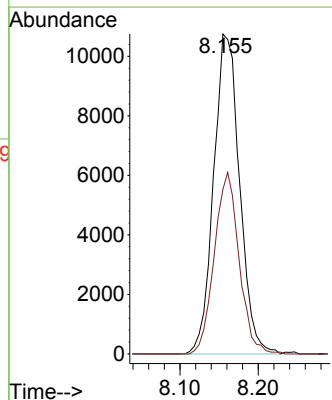
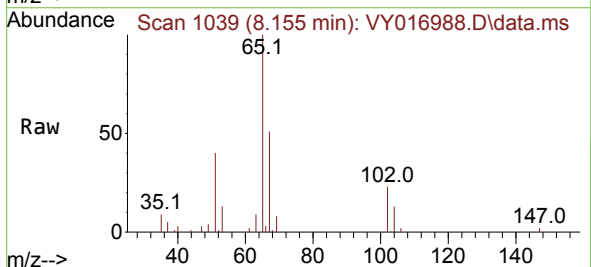


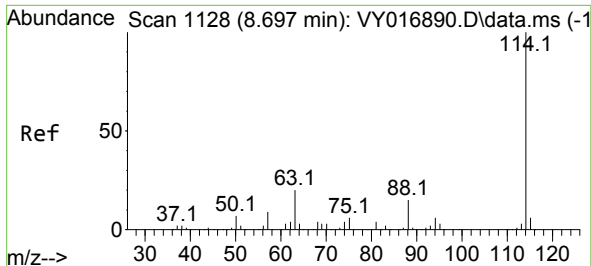
Tgt Ion: 56 Resp: 1326  
Ion Ratio Lower Upper  
56 100  
69 137.9 27.0 40.6#  
84 160.6 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 40.334 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

Tgt Ion: 65 Resp: 24741  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

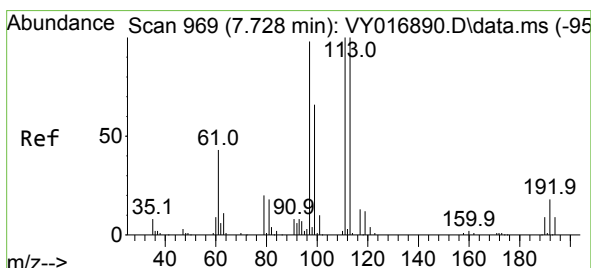
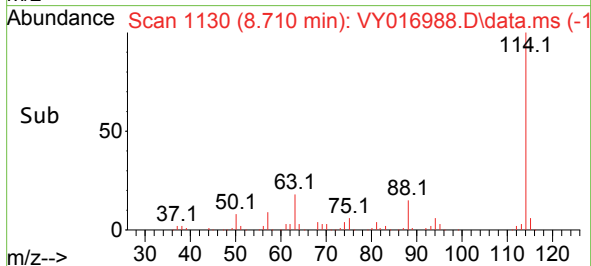
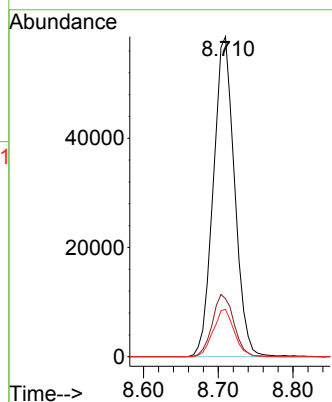
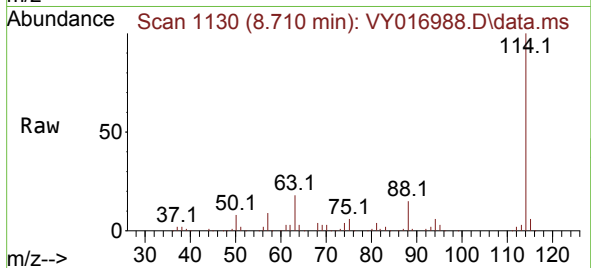
Tgt Ion:114 Resp: 115700

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.629 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

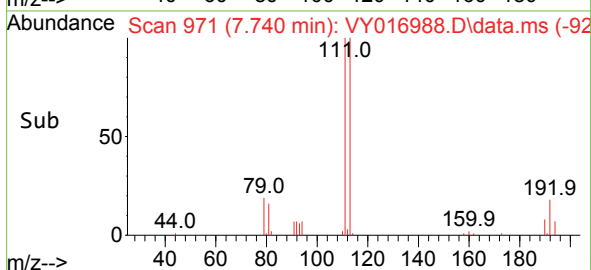
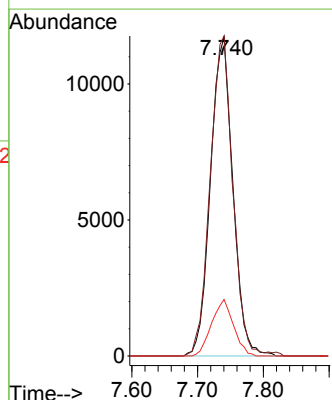
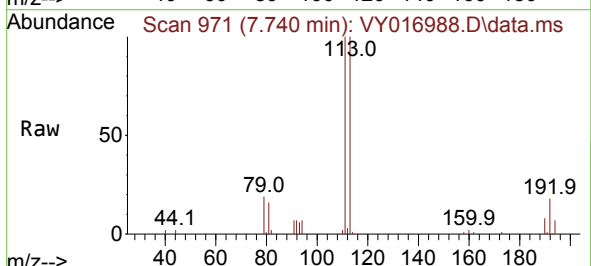
Tgt Ion:113 Resp: 27743

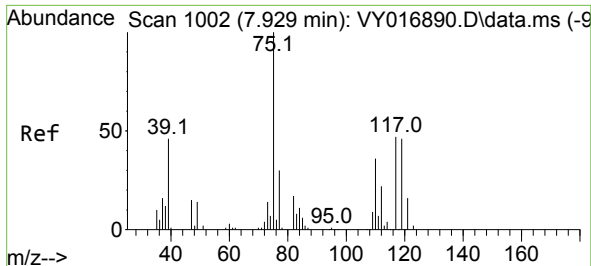
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 17.4 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

Instrument :

MSVOA\_Y

ClientSampleId :

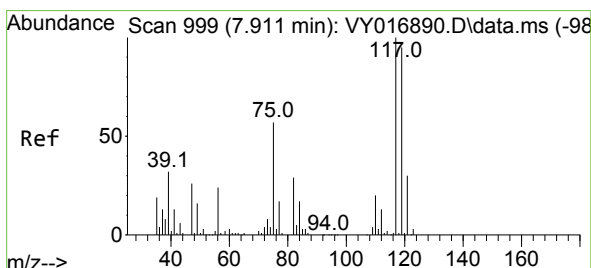
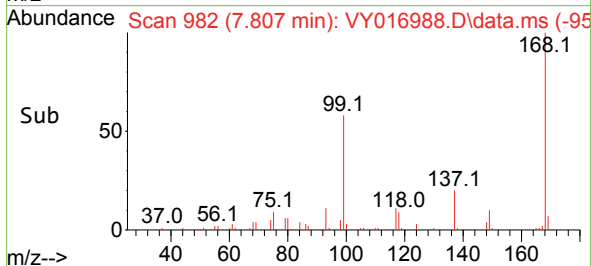
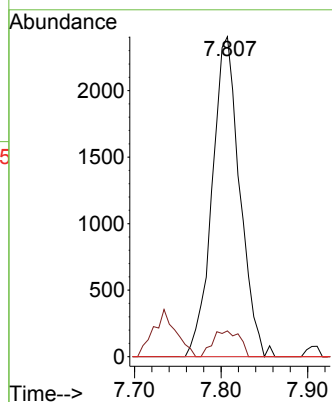
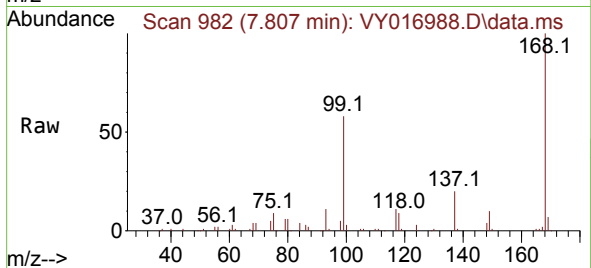
Tgt Ion: 75 Resp: 5325

Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.968 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

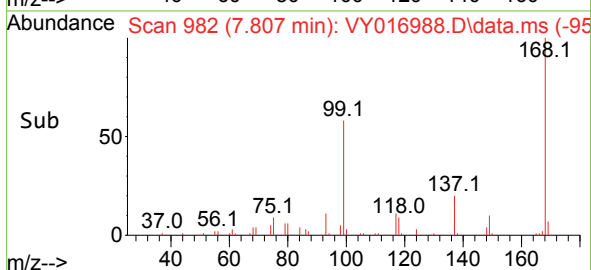
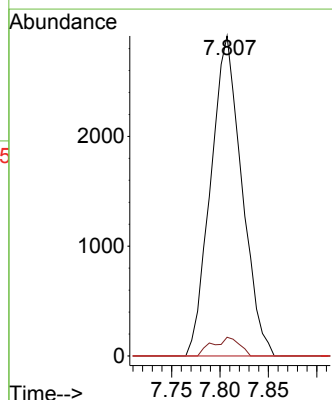
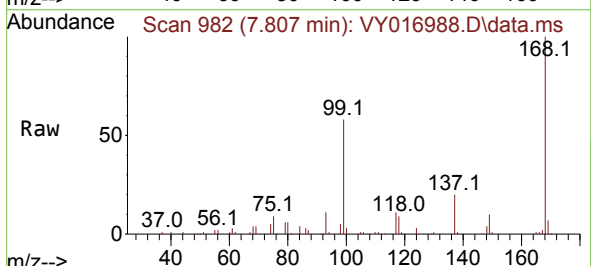
Tgt Ion: 117 Resp: 6515

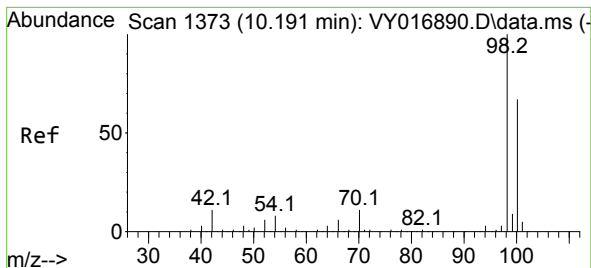
Ion Ratio Lower Upper

117 100

119 5.9 76.0 114.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 39.764 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

Instrument :

MSVOA\_Y

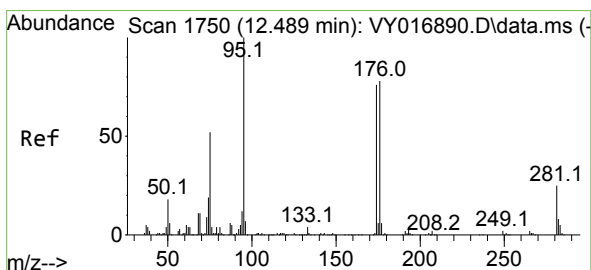
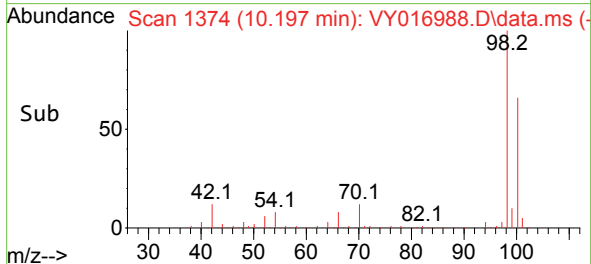
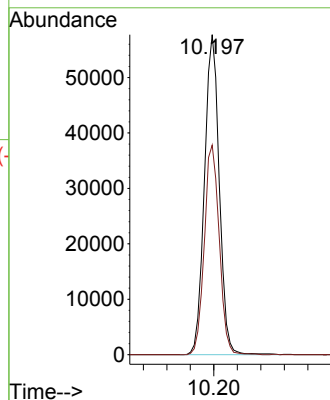
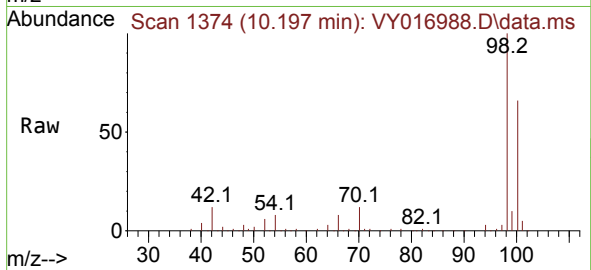
ClientSampleId :

Tgt Ion: 98 Resp: 100954

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 31.681 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016988.D

Acq: 12 Jan 2024 13:24

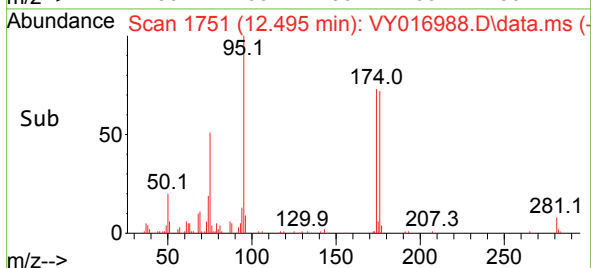
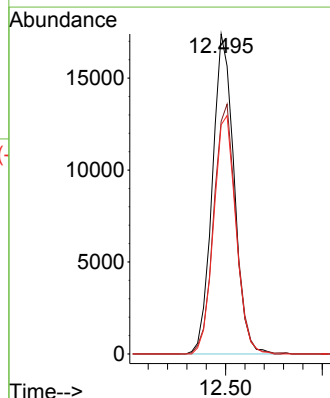
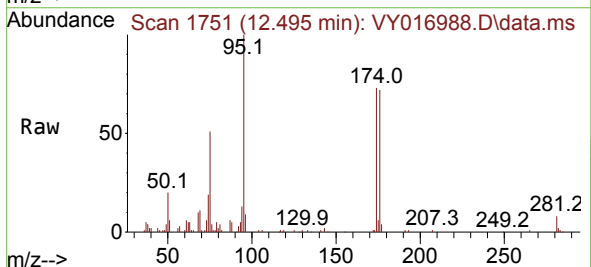
Tgt Ion: 95 Resp: 27137

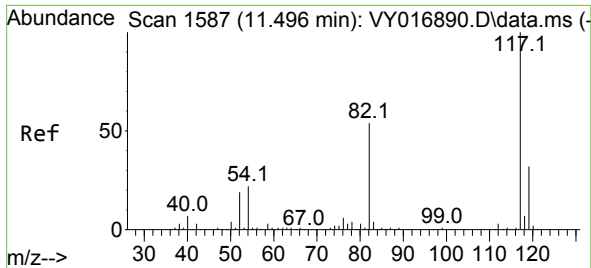
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.0

176 76.4 0.0 151.8

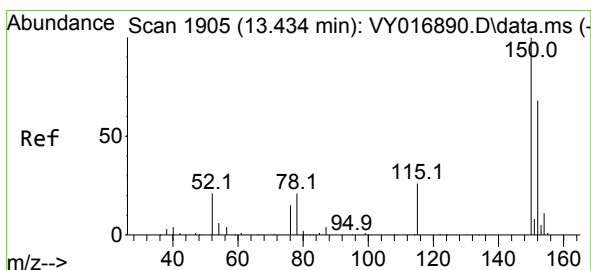
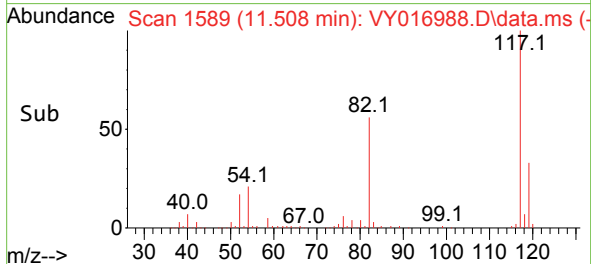
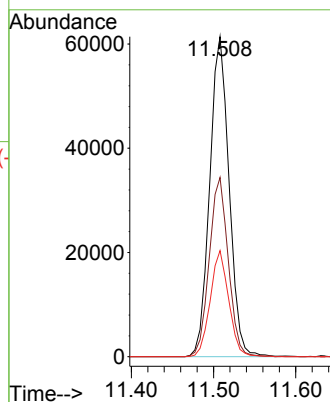
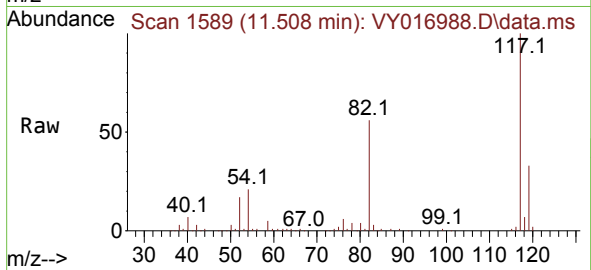




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

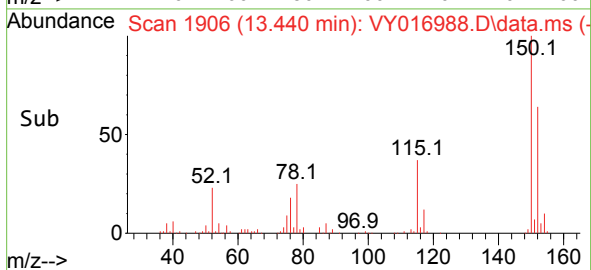
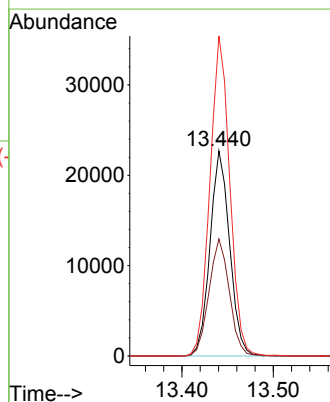
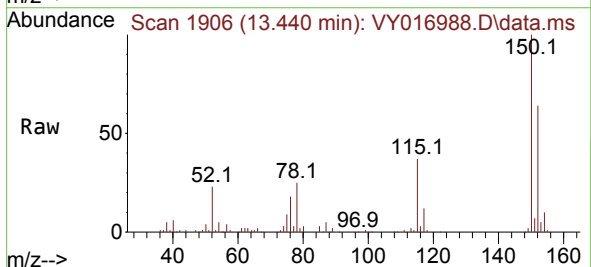
Instrument :  
MSVOA\_Y  
ClientSampleId :

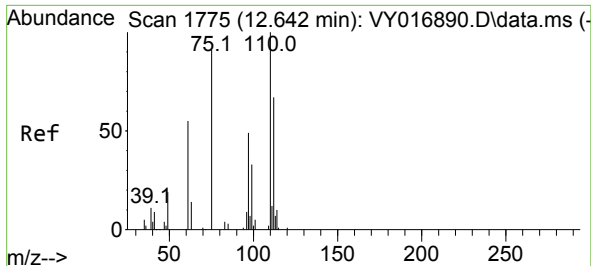
Tgt Ion:117 Resp: 100421  
Ion Ratio Lower Upper  
117 100  
82 56.0 43.8 65.8  
119 33.1 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.440 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

Tgt Ion:152 Resp: 33961  
Ion Ratio Lower Upper  
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115 59.1 30.0 90.0  
150 157.5 0.0 344.6

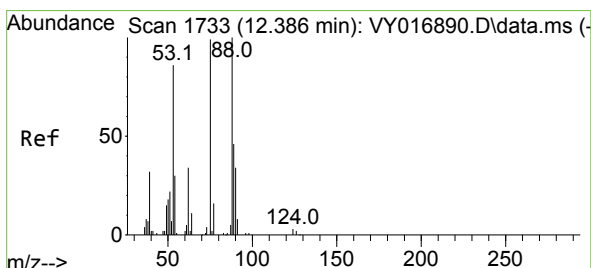
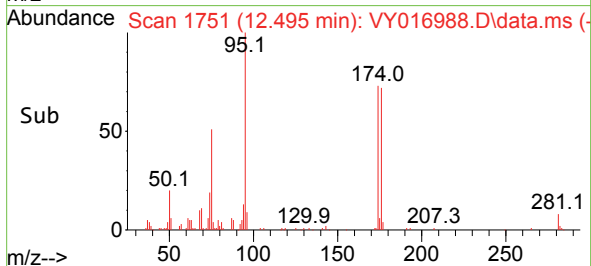
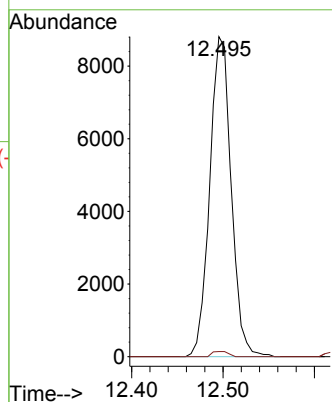
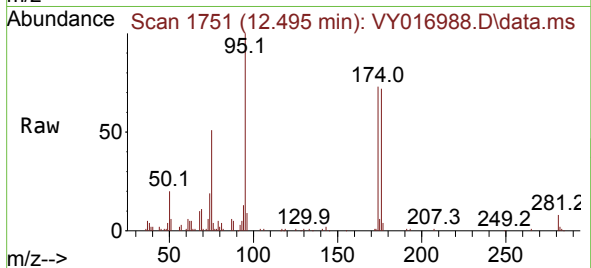




#76  
1,2,3-Trichloropropane  
Concen: 38.940 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.147 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

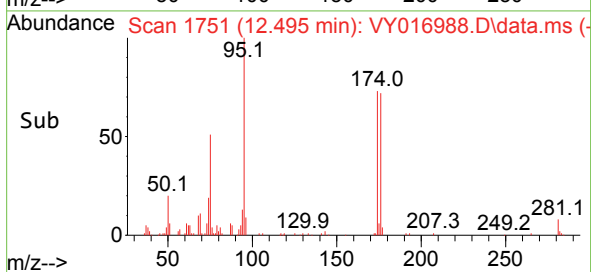
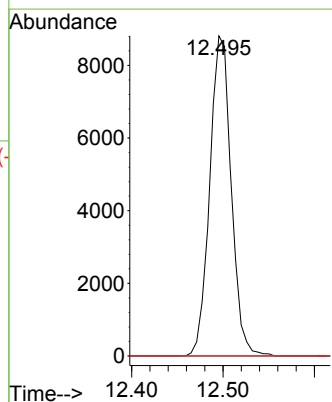
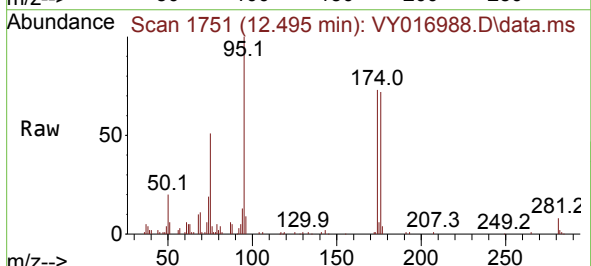
Instrument :  
MSVOA\_Y  
ClientSampleId :

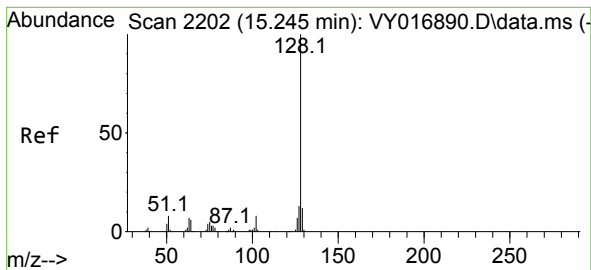
Tgt Ion: 75 Resp: 14351  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.424 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY016988.D  
Acq: 12 Jan 2024 13:24

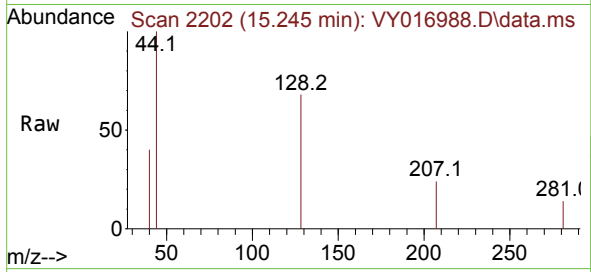
Tgt Ion: 75 Resp: 14351  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#





#95  
 Naphthalene  
 Concen: 1.204 ug/l  
 RT: 15.245 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY016988.D  
 Acq: 12 Jan 2024 13:24

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 575   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.2  | 15.4# |
| 129      | 3.3   | 8.6   | 12.8# |

