

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110624\  
 Data File : VY020182.D  
 Acq On : 06 Nov 2024 15:29  
 Operator : SY/MD  
 Sample : P4667-11  
 Misc : 4.58g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 07 00:27:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

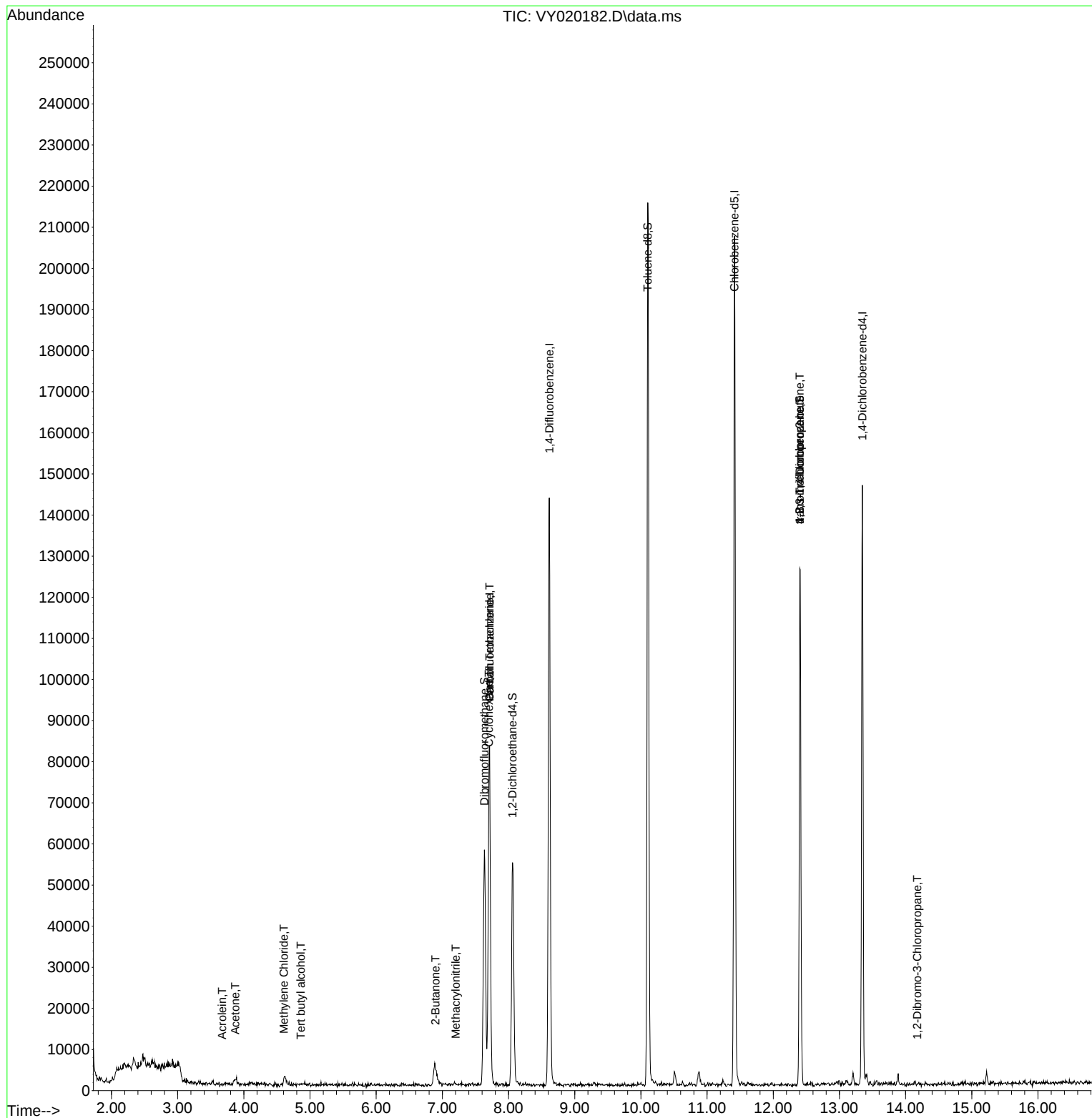
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 55750               | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616          | 114  | 113487              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 100096              | 50.000  | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 33107               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061          | 65   | 42696               | 61.363  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 122.720% |         |        |          |
| 35) Dibromofluoromethane      | 7.634          | 113  | 40760               | 56.490  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 112.980% |         |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 135416              | 47.149  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 94.300%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.402         | 95   | 37807               | 40.527  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 29 - 146 |      | Recovery = 81.060%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.860          | 59   | 119                 | 2.378   | ug/l # | 88       |
| 13) Acrolein                  | 3.671          | 56   | 87                  | 1.396   | ug/l # | 70       |
| 16) Acetone                   | 3.873          | 43   | 2387                | 14.752  | ug/l   | 91       |
| 20) Methylene Chloride        | 4.604          | 84   | 1099                | 1.512   | ug/l # | 77       |
| 25) 2-Butanone                | 6.896          | 43   | 873                 | 3.980   | ug/l # | 81       |
| 31) Cyclohexane               | 7.701          | 56   | 1924                | 1.524   | ug/l # | 35       |
| 38) Carbon Tetrachloride      | 7.713          | 117  | 6335                | 5.652   | ug/l # | 17       |
| 41) Methacrylonitrile         | 7.201          | 41   | 530                 | 1.991   | ug/l # | 39       |
| 76) 1,2,3-Trichloropropane    | 12.402         | 75   | 22508               | 72.526  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402         | 75   | 22508               | 156.001 | ug/l # | 16       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.176         | 75   | 72                  | 1.026   | ug/l # | 1        |
| -----                         |                |      |                     |         |        |          |

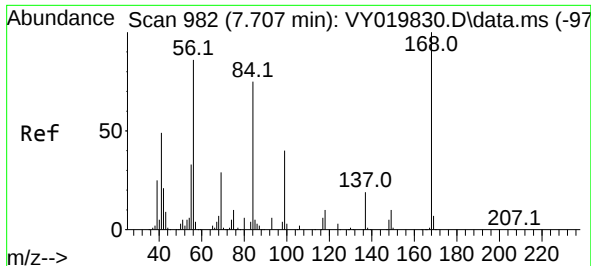
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110624\  
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Sample : P4667-11  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 07 00:27:21 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

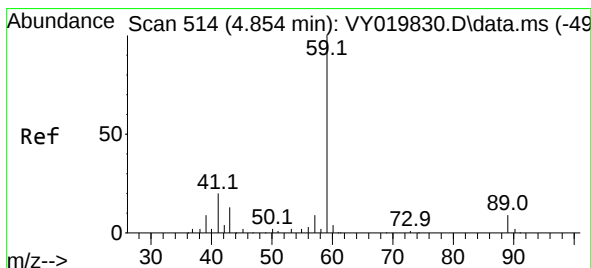
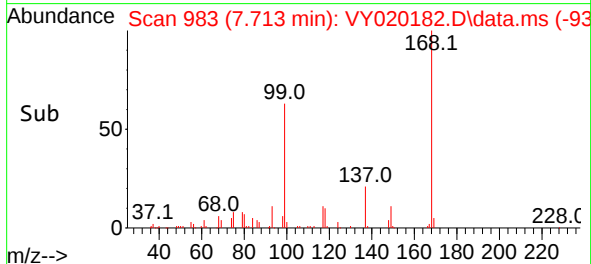
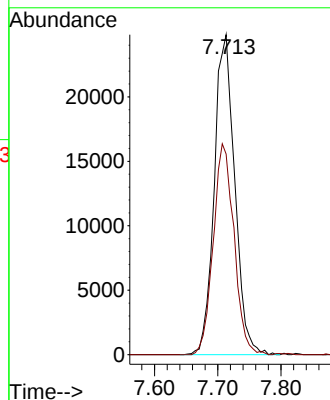
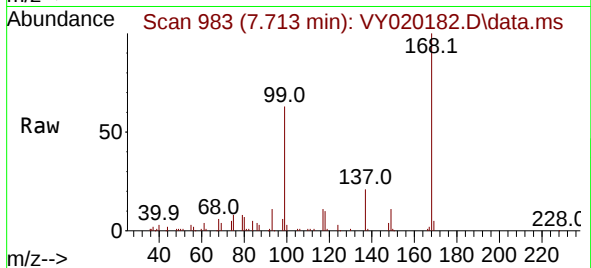




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

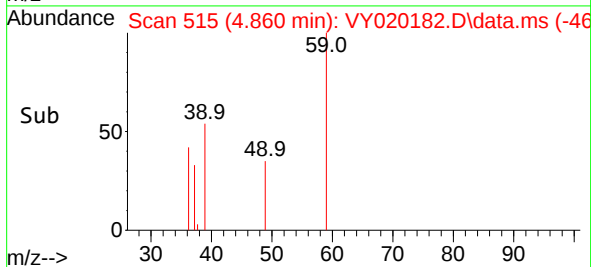
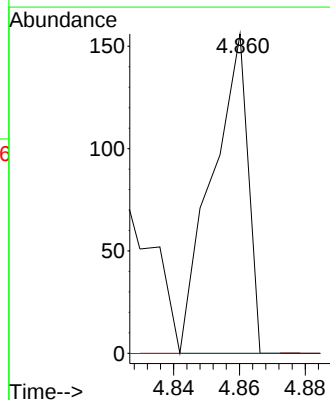
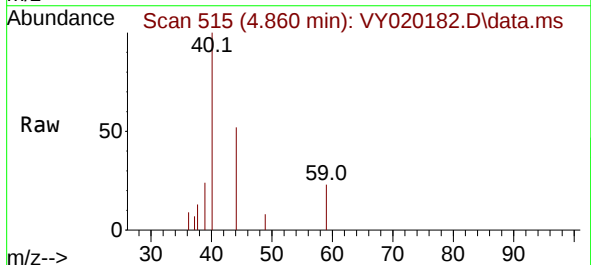
Instrument :  
MSVOA\_Y  
ClientSampleId :

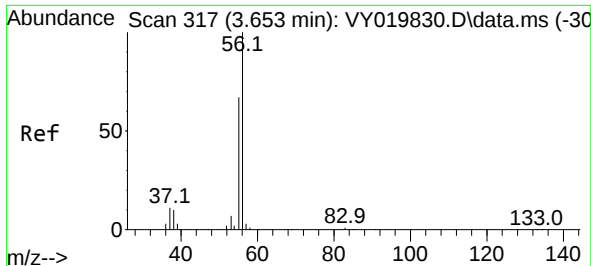
Tgt Ion:168 Resp: 55750  
Ion Ratio Lower Upper  
168 100  
99 62.7 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: 2.378 ug/l  
RT: 4.860 min Scan# 515  
Delta R.T. 0.000 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Tgt Ion: 59 Resp: 119  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#





#13

Acrolein

Concen: 1.396 ug/l

RT: 3.671 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY020182.D

Acq: 06 Nov 2024 15:29

Instrument :

MSVOA\_Y

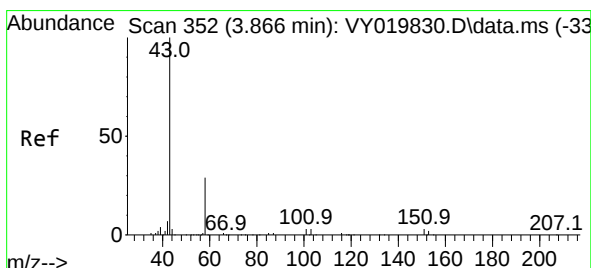
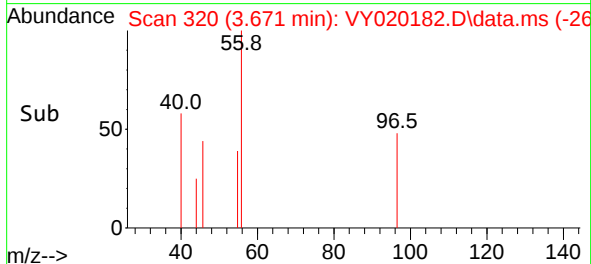
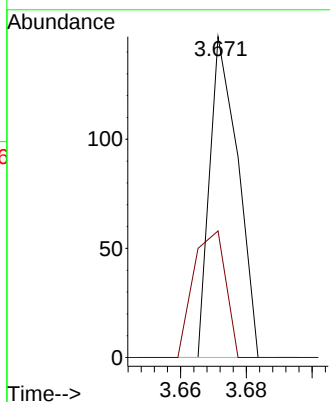
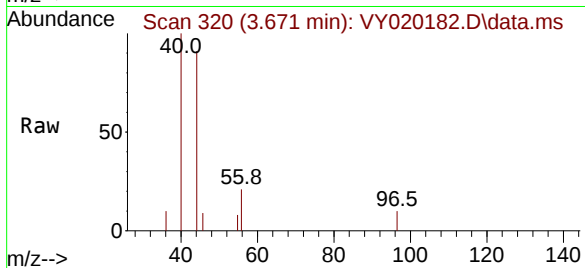
ClientSampleId :

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 44.8 55.7 83.5#



#16

Acetone

Concen: 14.752 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY020182.D

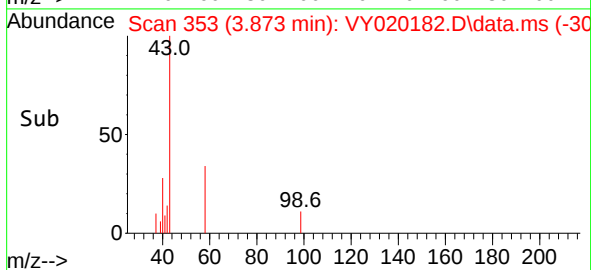
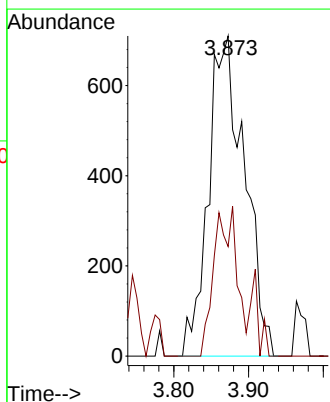
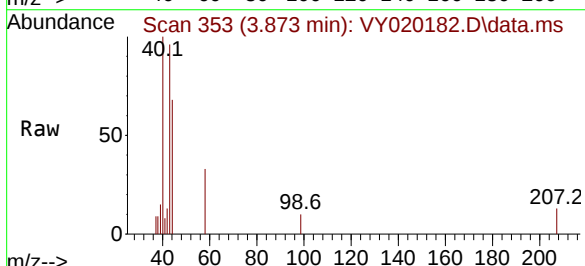
Acq: 06 Nov 2024 15:29

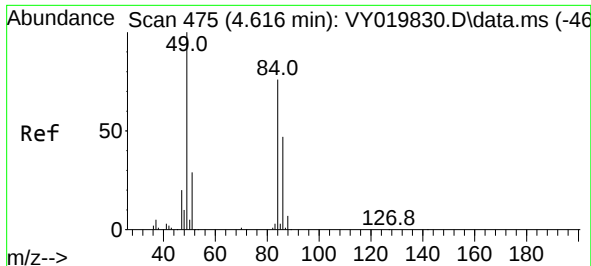
Tgt Ion: 43 Resp: 2387

Ion Ratio Lower Upper

43 100

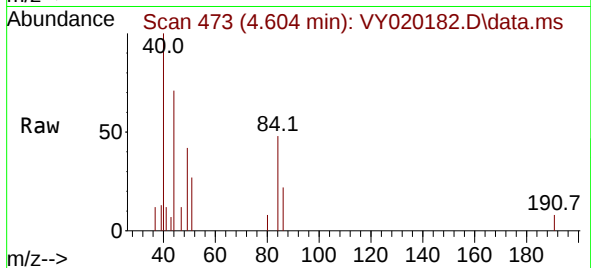
58 34.2 31.7 47.5



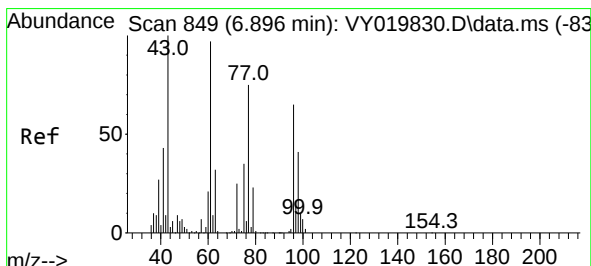
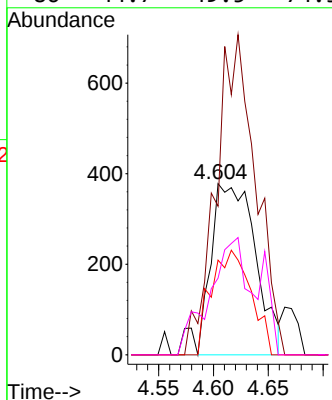
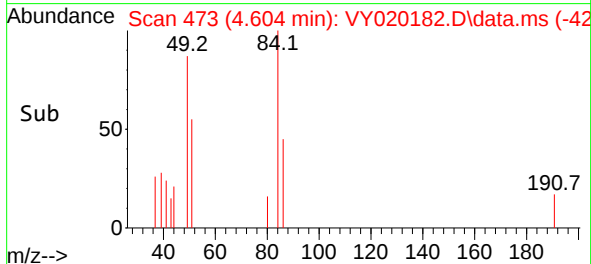


#20  
Methylene Chloride  
Concen: 1.512 ug/l  
RT: 4.604 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

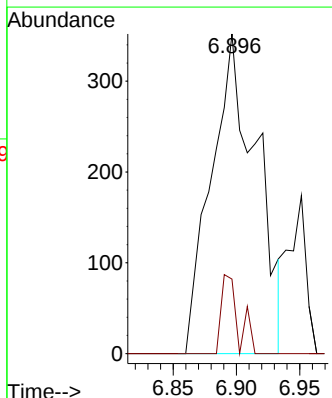
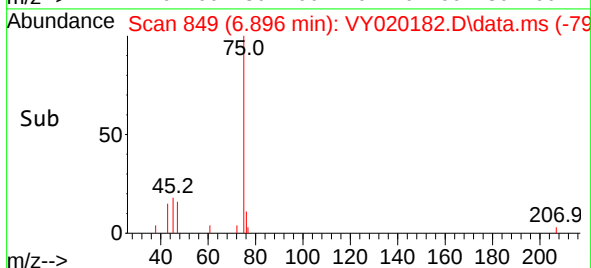
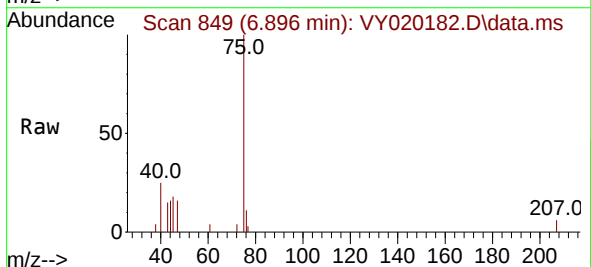


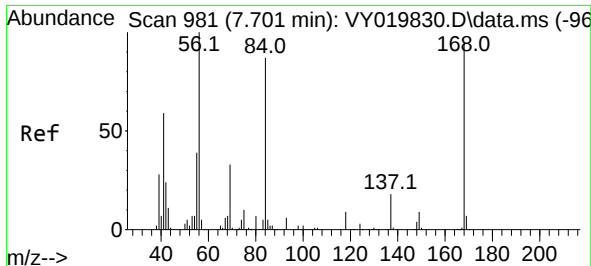
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1099  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 86.8  | 84.4  | 126.6 |
| 51       | 55.3  | 26.0  | 39.0# |
| 86       | 44.7  | 49.5  | 74.3# |



#25  
2-Butanone  
Concen: 3.980 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 873   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.3  | 27.3  | 40.9# |

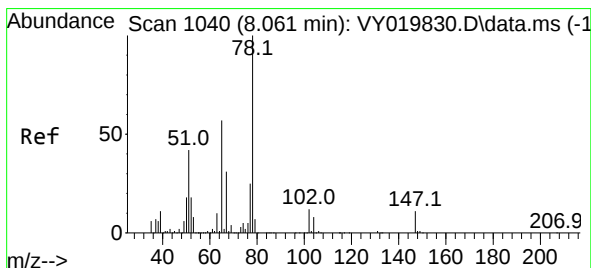
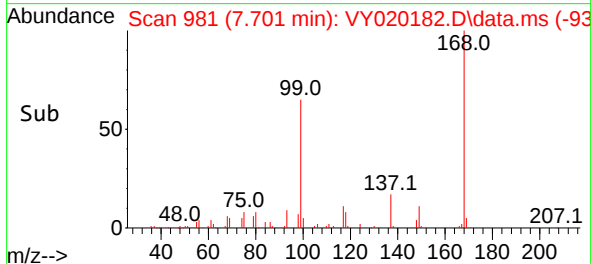
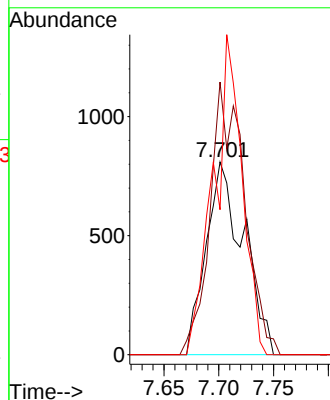
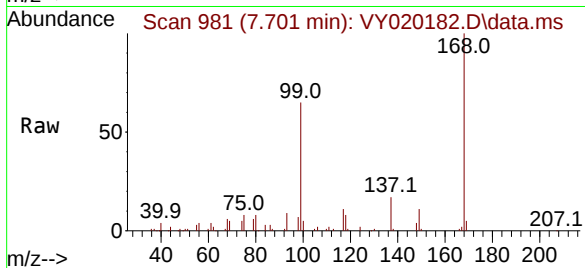




#31  
Cyclohexane  
Concen: 1.524 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

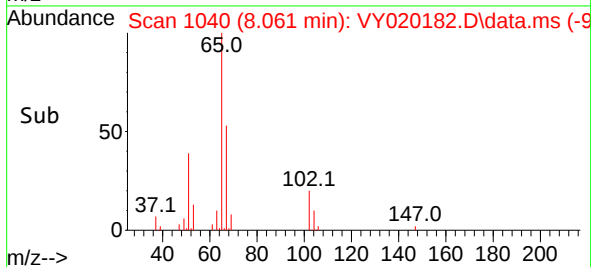
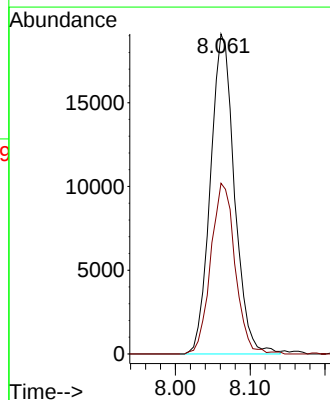
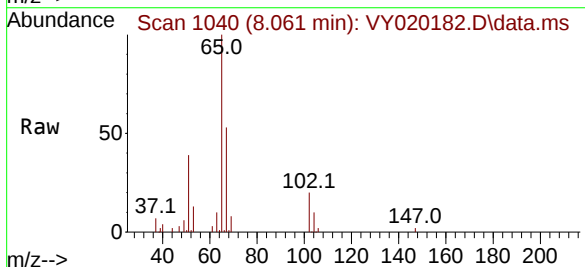
Instrument :  
MSVOA\_Y  
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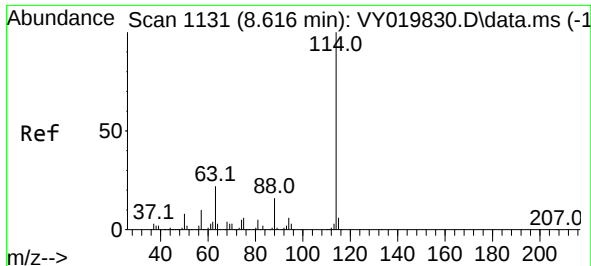
Tgt Ion: 56 Resp: 1924  
Ion Ratio Lower Upper  
56 100  
69 141.5 28.7 43.1#  
84 75.3 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 61.363 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Tgt Ion: 65 Resp: 42696  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 109.6

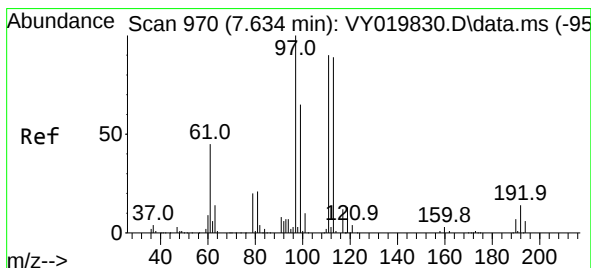
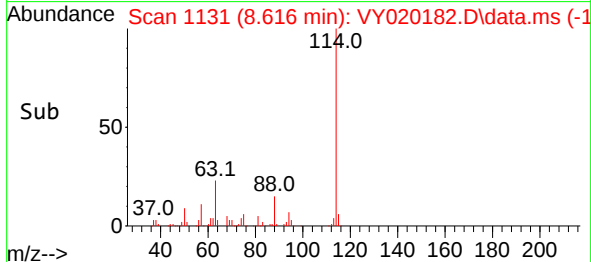
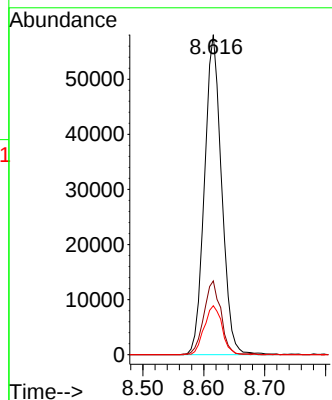
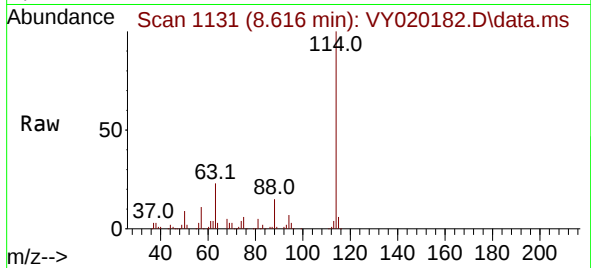




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

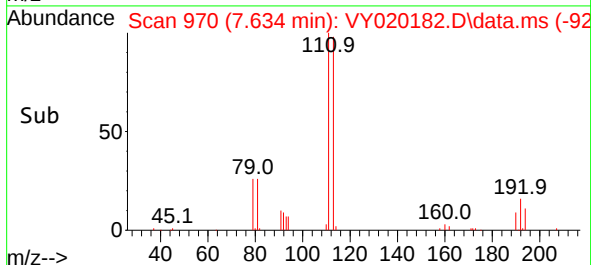
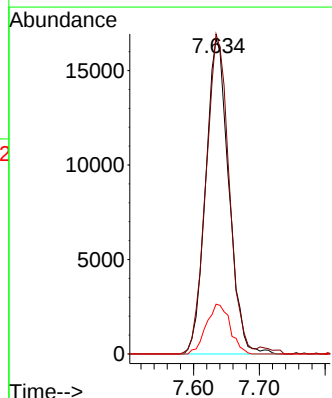
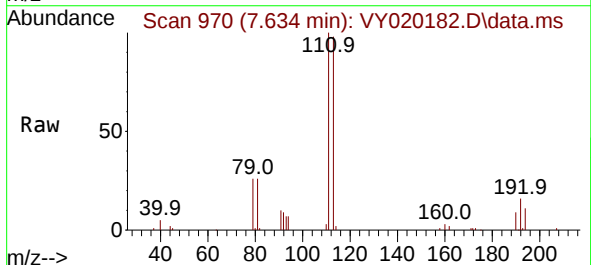
Instrument :  
MSVOA\_Y  
ClientSampleId :

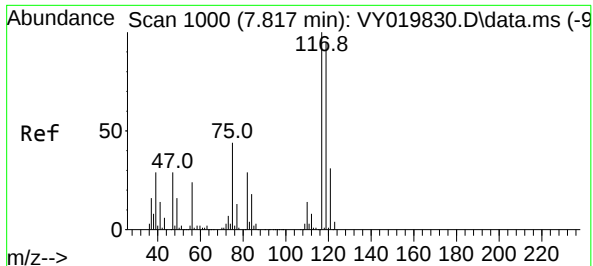
Tgt Ion:114 Resp: 113487  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 35.0  
88 15.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.490 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

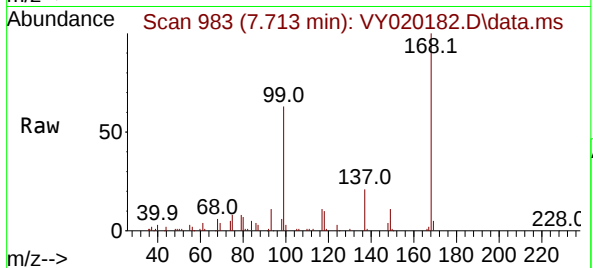
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Ion Ratio Lower Upper  
113 100  
111 101.3 82.2 123.4  
192 16.3 15.9 23.9



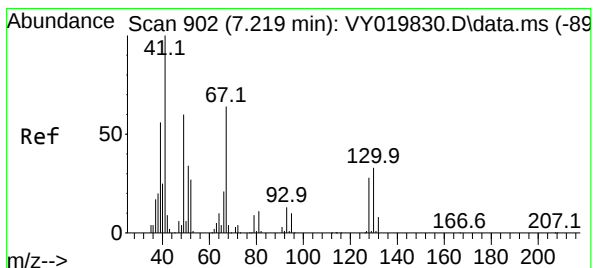
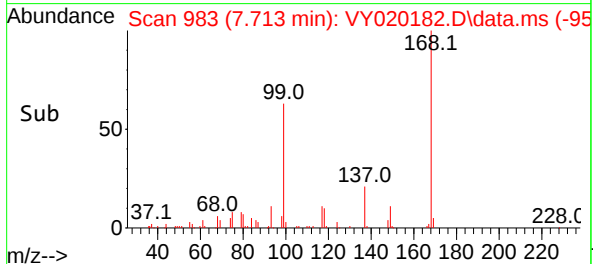
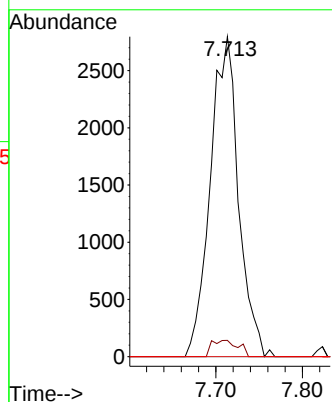


#38  
Carbon Tetrachloride  
Concen: 5.652 ug/l  
RT: 7.713 min Scan# 911  
Delta R.T. -0.103 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :

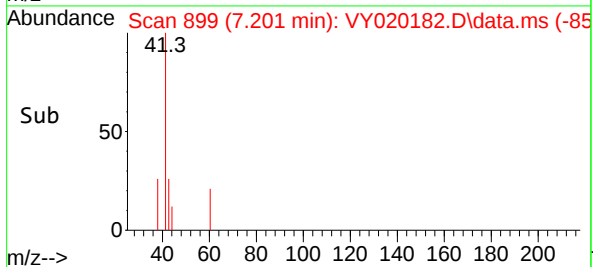
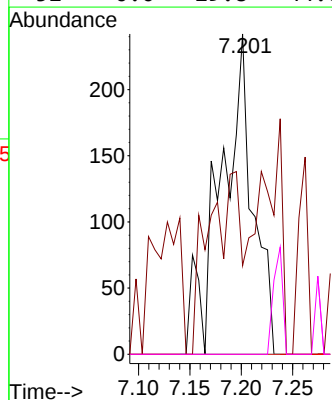
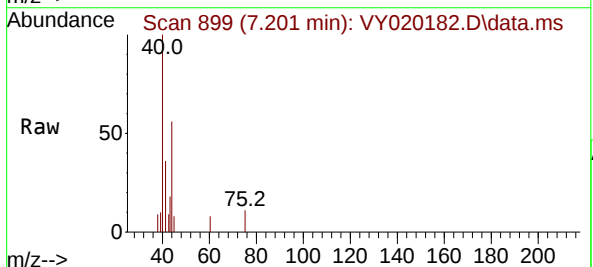


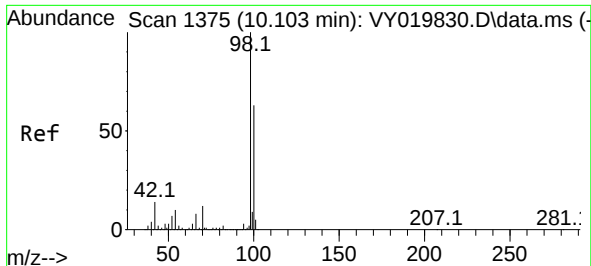
Tgt Ion:117 Resp: 6335  
Ion Ratio Lower Upper  
117 100  
119 5.1 75.8 113.6#  
121 0.0 24.0 36.0#



#41  
Methacrylonitrile  
Concen: 1.991 ug/l  
RT: 7.201 min Scan# 899  
Delta R.T. -0.018 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Tgt Ion: 41 Resp: 530  
Ion Ratio Lower Upper  
41 100  
39 56.4 48.0 72.0  
67 0.0 75.1 112.7#  
52 0.0 29.8 44.6#

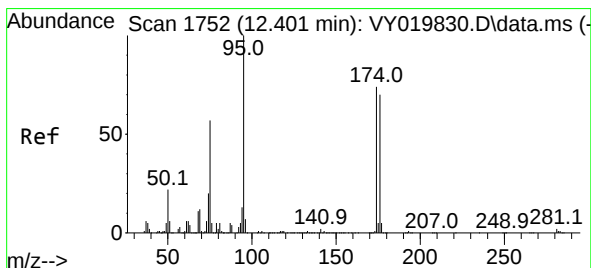
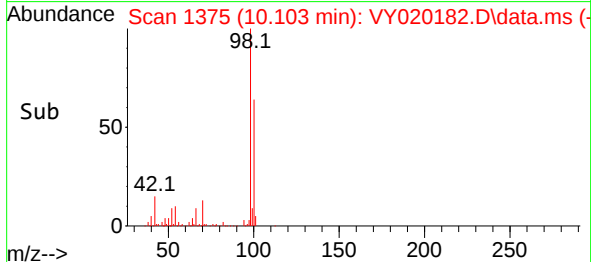
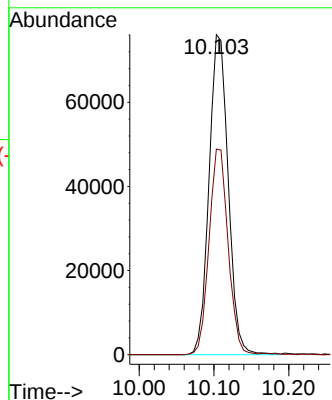
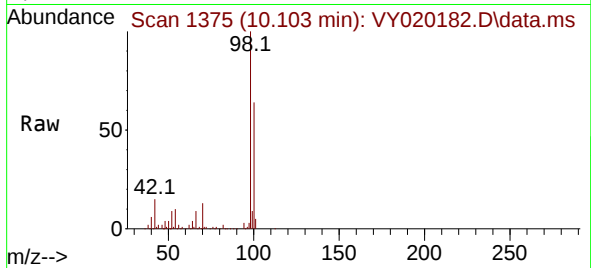




#50  
Toluene-d8  
Concen: 47.149 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

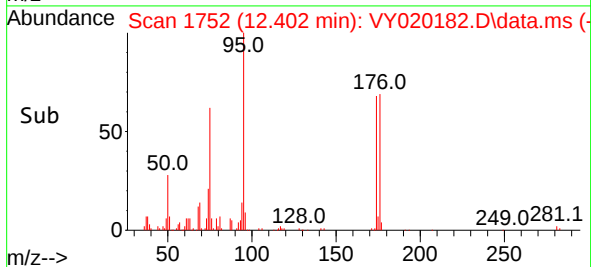
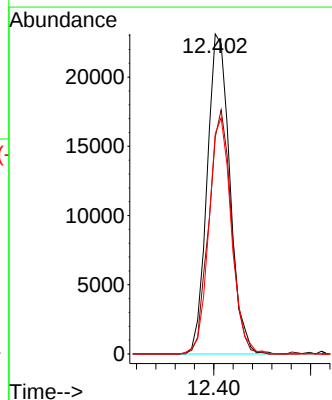
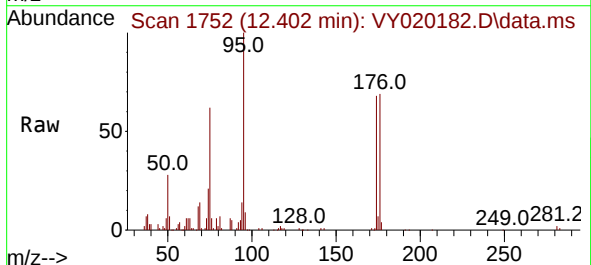
Instrument :  
MSVOA\_Y  
ClientSampleId :

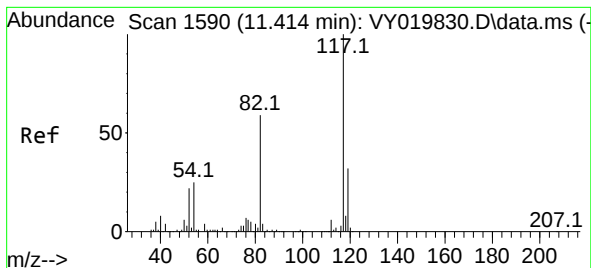
Tgt Ion: 98 Resp: 135416  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 40.527 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Tgt Ion: 95 Resp: 37807  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 175.6  
176 73.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020182.D

Acq: 06 Nov 2024 15:29

Instrument :

MSVOA\_Y

ClientSampleId :

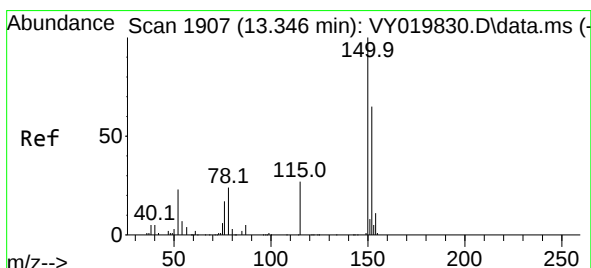
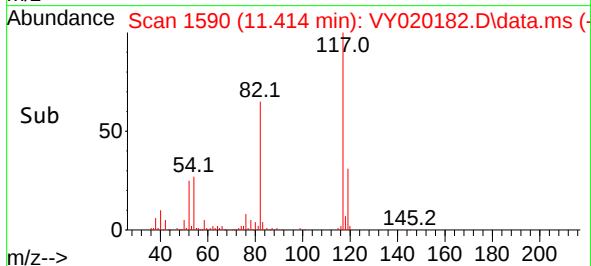
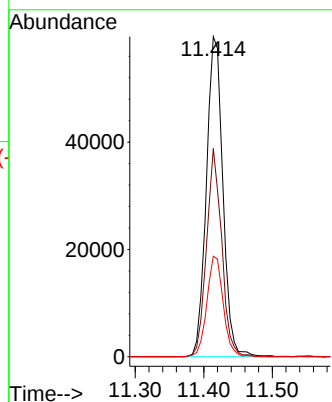
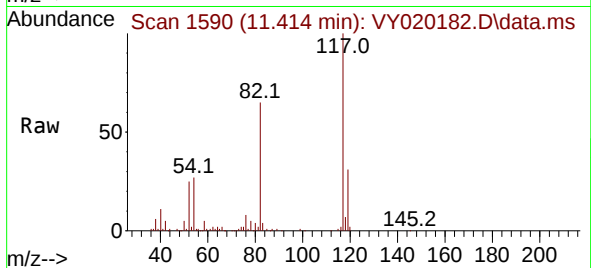
Tgt Ion:117 Resp: 100096

Ion Ratio Lower Upper

117 100

82 65.1 42.4 63.6#

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020182.D

Acq: 06 Nov 2024 15:29

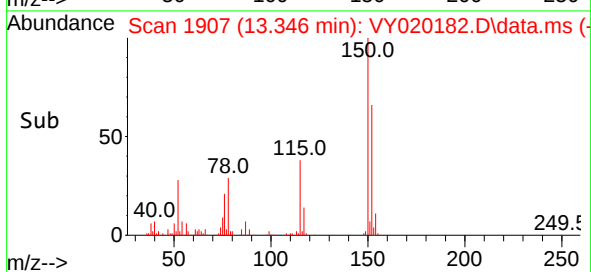
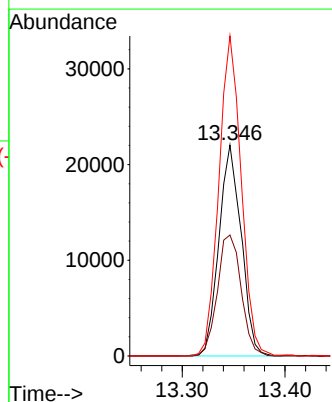
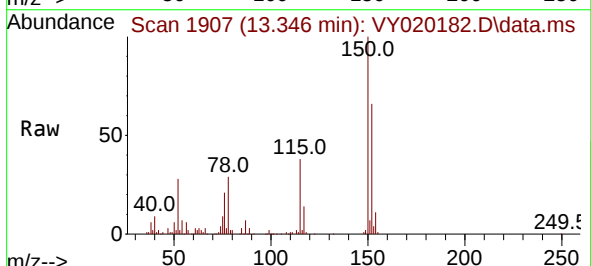
Tgt Ion:152 Resp: 33107

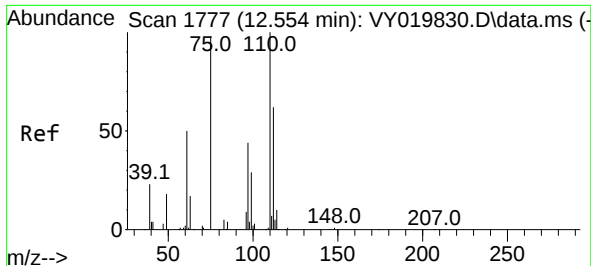
Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 152.5 0.0 345.6

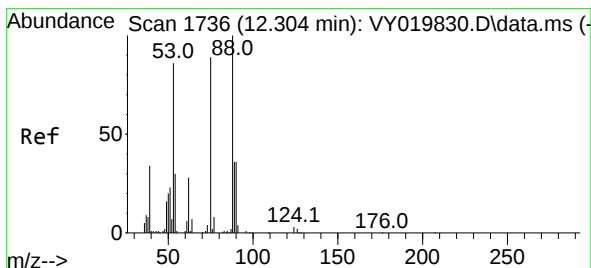
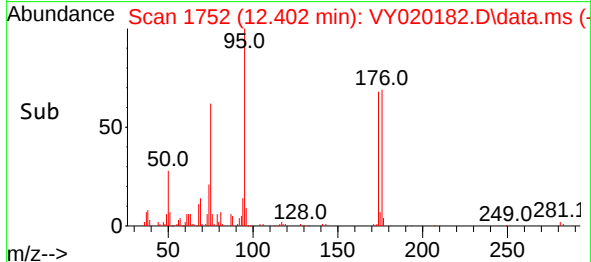
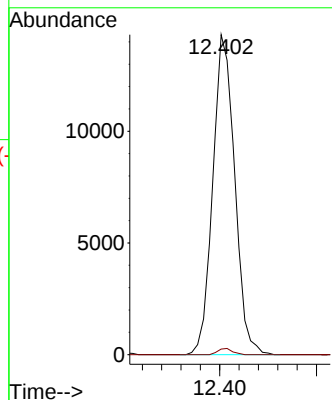
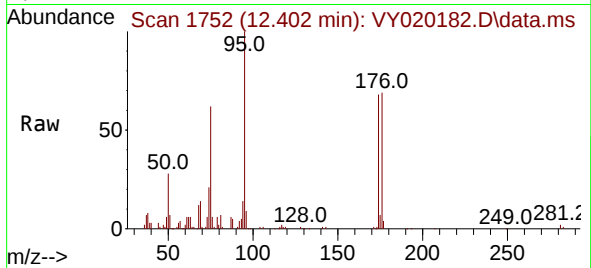




#76  
1,2,3-Trichloropropane  
Concen: 72.526 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

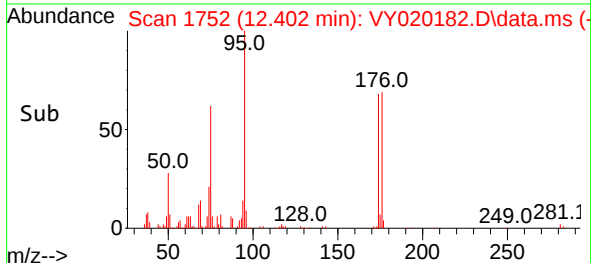
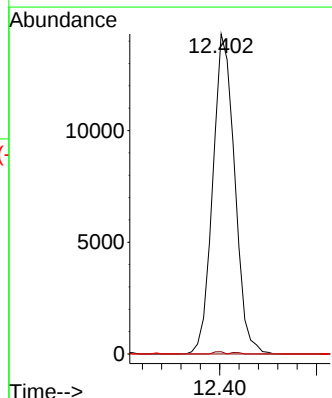
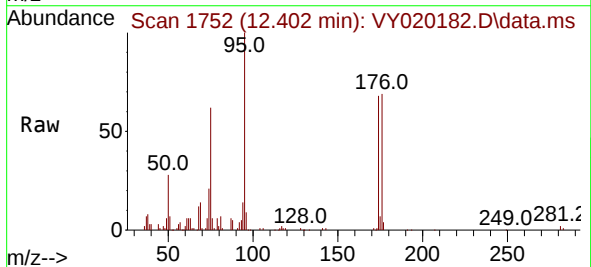
Instrument :  
MSVOA\_Y  
ClientSampleId :

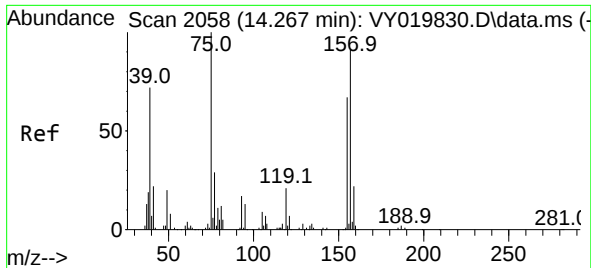
Tgt Ion: 75 Resp: 22508  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 156.001 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

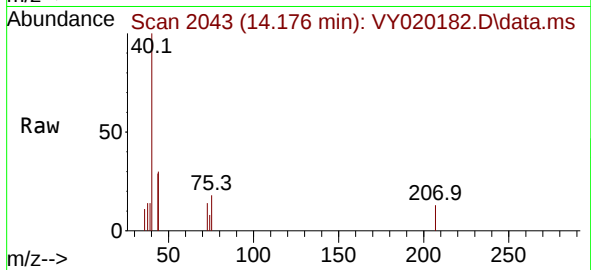
Tgt Ion: 75 Resp: 22508  
Ion Ratio Lower Upper  
75 100  
53 0.3 66.8 100.2#  
89 0.0 35.8 53.6#





#92  
1,2-Dibromo-3-Chloropropane  
Concen: 1.026 ug/l  
RT: 14.176 min Scan# 2058  
Delta R.T. -0.097 min  
Lab File: VY020182.D  
Acq: 06 Nov 2024 15:29

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 72  
Ion Ratio Lower Upper  
75 100  
155 0.0 48.6 145.8#  
157 0.0 62.7 188.2#

