

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080924\  
 Data File : VY018960.D  
 Acq On : 09 Aug 2024 12:19  
 Operator : SY/MD  
 Sample : P3520-01  
 Misc : 6.15g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 09 23:25:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

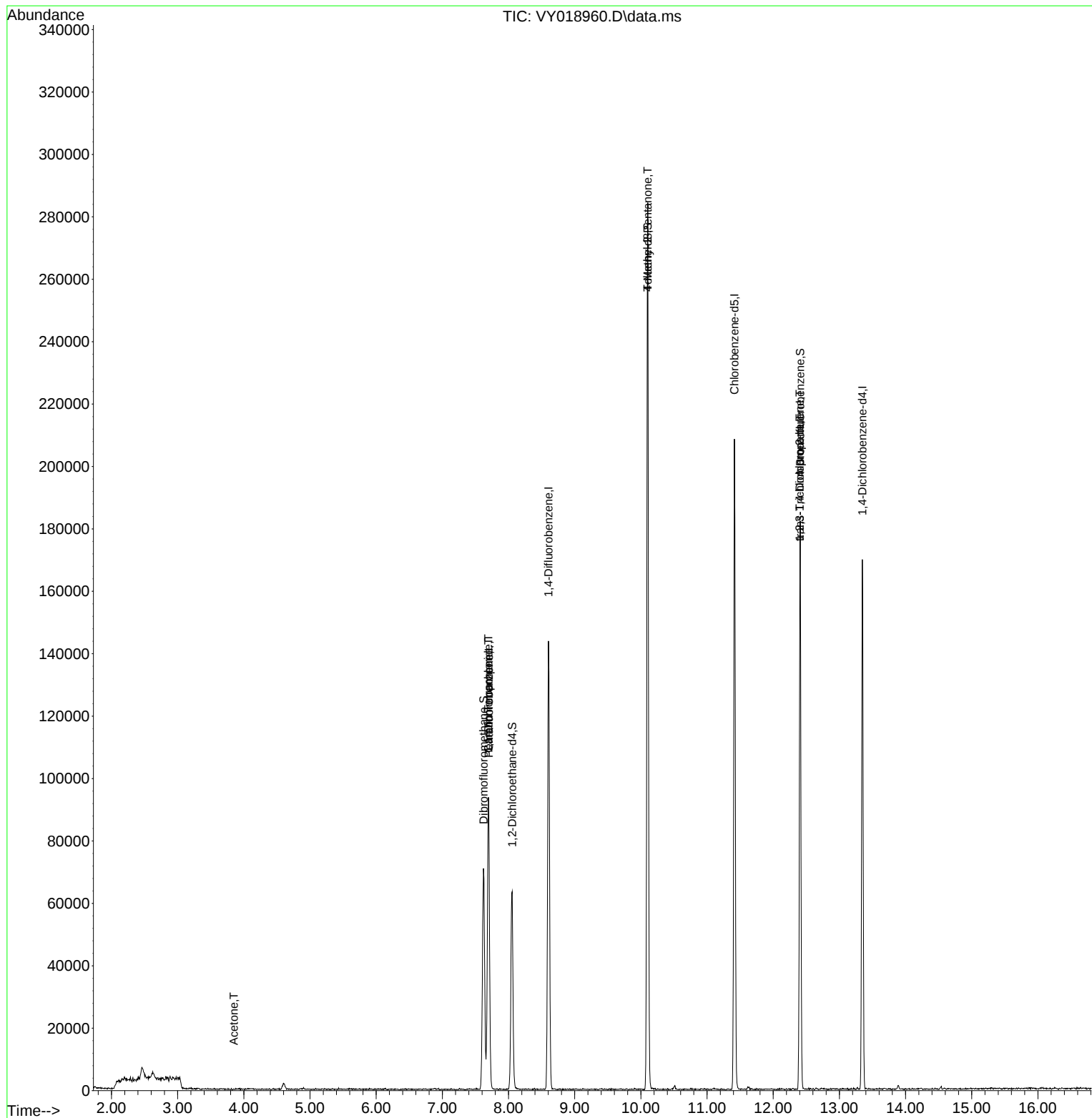
| Compound                      | R.T.           | QIon | Response            | Conc         | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------------|--------|----------|
| -----                         |                |      |                     |              |        |          |
| Internal Standards            |                |      |                     |              |        |          |
| 1) Pentafluorobenzene         | 7.701          | 168  | 76155               | 50.000       | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.603          | 114  | 120586              | 50.000       | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414         | 117  | 102205              | 50.000       | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346         | 152  | 40964               | 50.000       | ug/l   | 0.00     |
|                               |                |      |                     |              |        |          |
| System Monitoring Compounds   |                |      |                     |              |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.055          | 65   | 40779               | 60.988       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 121.980% |              |        |          |
| 35) Dibromofluoromethane      | 7.622          | 113  | 46407               | 60.256       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 120.520% |              |        |          |
| 50) Toluene-d8                | 10.103         | 98   | 174174              | 58.877       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 117.760% |              |        |          |
| 62) 4-Bromofluorobenzene      | 12.408         | 95   | 44946               | 51.212       | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 102.420% |              |        |          |
|                               |                |      |                     |              |        |          |
| Target Compounds              |                |      |                     |              |        |          |
|                               |                |      |                     |              | Qvalue |          |
| 3) Chloromethane              | 2.068          | 50   | 110                 | Below Cal    | #      | 43       |
| 11) Tert butyl alcohol        | 4.848          | 59   | 26                  | Below Cal    | #      | 88       |
| 13) Acrolein                  | 3.903          | 56   | 42                  | Below Cal    | #      | 15       |
| 16) Acetone                   | 3.848          | 43   | 51                  | 12.807 ug/l  | #      | 36       |
| 20) Methylene Chloride        | 4.598          | 84   | 1108                | Below Cal    | #      | 91       |
| 31) Cyclohexane               | 7.689          | 56   | 2232                | Below Cal    | #      | 69       |
| 36) 1,1-Dichloropropene       | 7.695          | 75   | 5417                | 5.240 ug/l   | #      | 51       |
| 38) Carbon Tetrachloride      | 7.695          | 117  | 7145                | 6.028 ug/l   | #      | 17       |
| 41) Methacrylonitrile         | 7.262          | 41   | 52                  | Below Cal    | #      | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.103         | 43   | 1012                | 2.042 ug/l   | #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.401         | 75   | 26058               | 85.387 ug/l  | #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.401         | 75   | 26058               | 175.948 ug/l | #      | 16       |
| -----                         |                |      |                     |              |        |          |

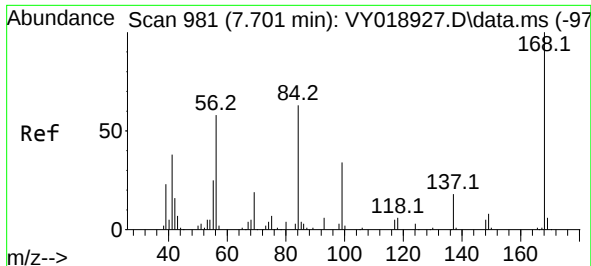
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080924\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 09 23:25:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

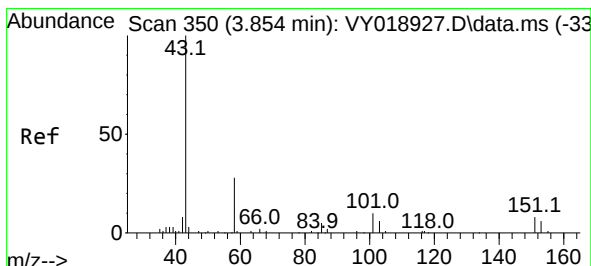
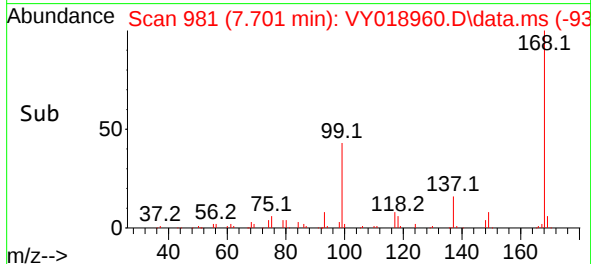
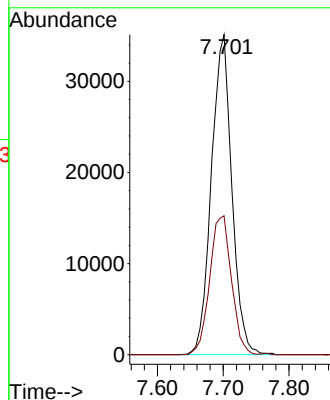
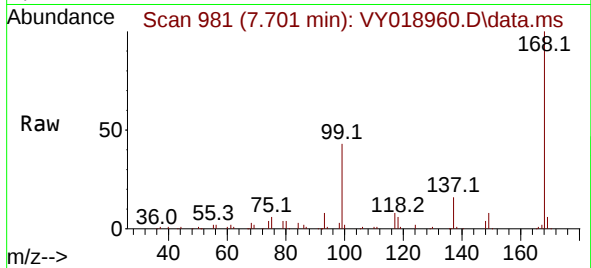




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

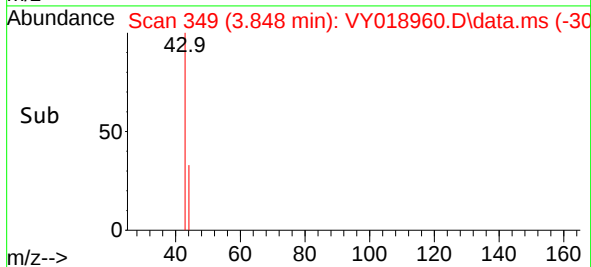
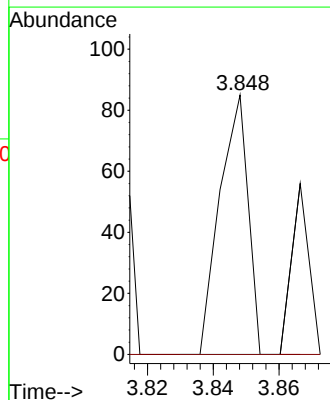
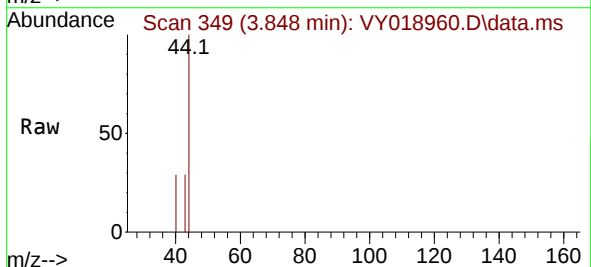
Instrument :  
MSVOA\_Y  
ClientSampleId :

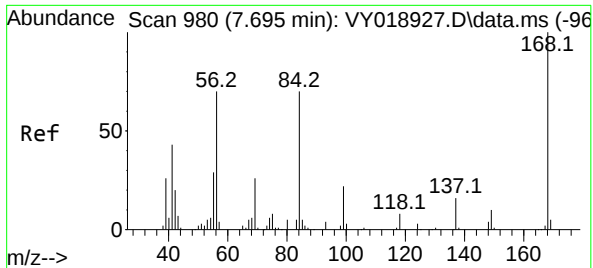
Tgt Ion:168 Resp: 76155  
Ion Ratio Lower Upper  
168 100  
99 43.4 39.1 58.7



#16  
Acetone  
Concen: 12.807 ug/l  
RT: 3.848 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

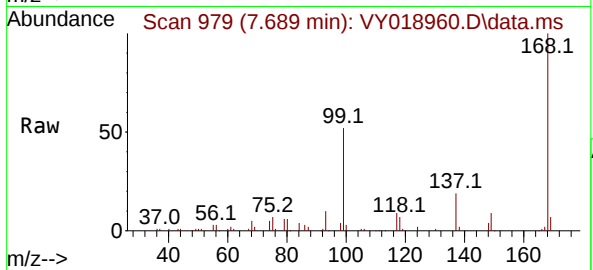
Tgt Ion: 43 Resp: 51  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#



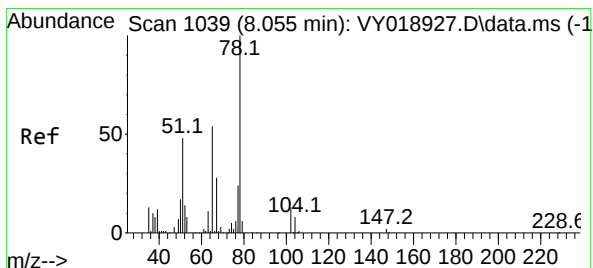
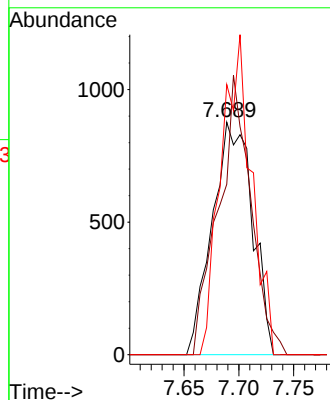
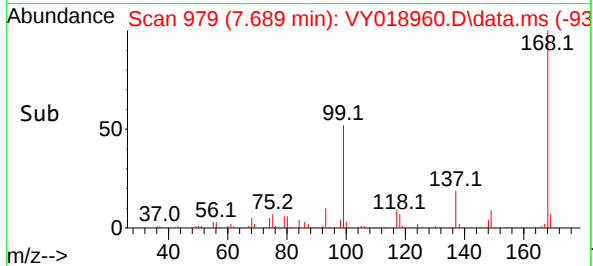


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.689 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

Instrument :  
MSVOA\_Y  
ClientSampleId :

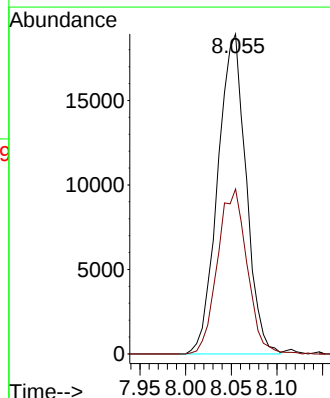
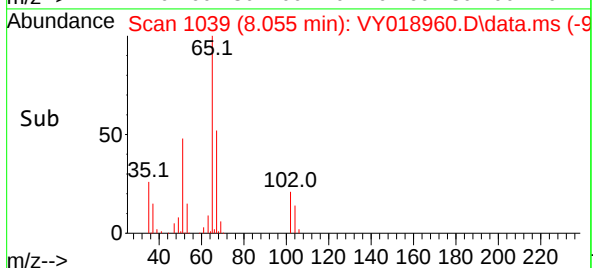
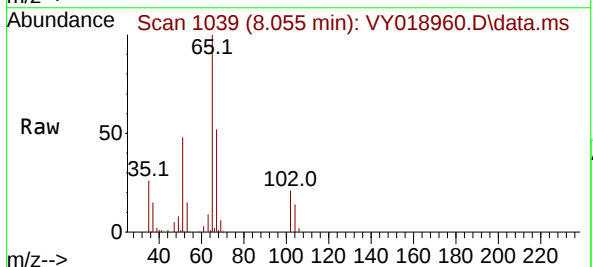


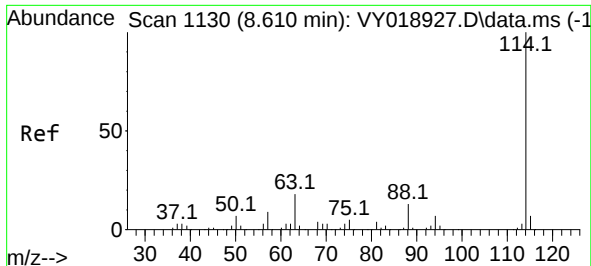
Tgt Ion: 56 Resp: 2232  
Ion Ratio Lower Upper  
56 100  
69 73.3 28.7 43.1#  
84 116.2 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 60.988 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

Tgt Ion: 65 Resp: 40779  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

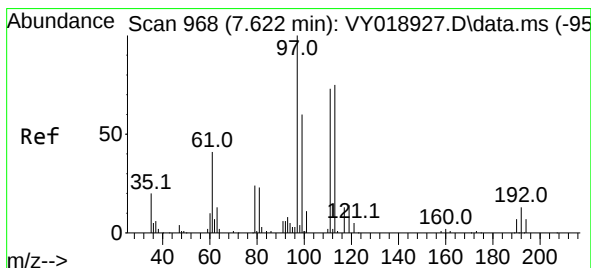
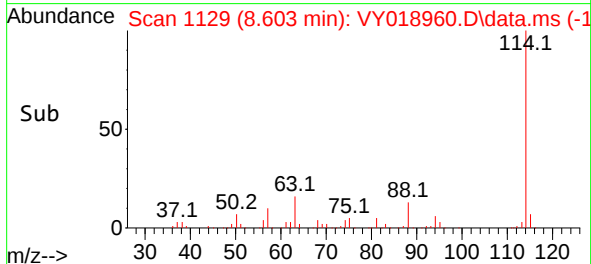
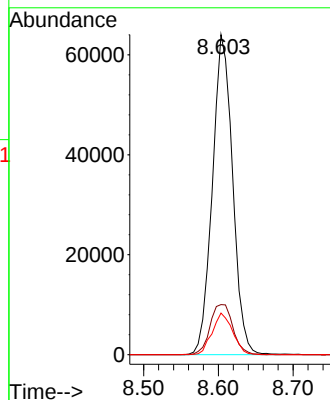
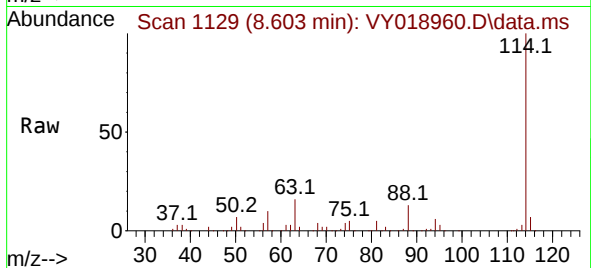
Tgt Ion:114 Resp: 120586

Ion Ratio Lower Upper

114 100

63 15.7 0.0 35.0

88 13.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 60.256 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

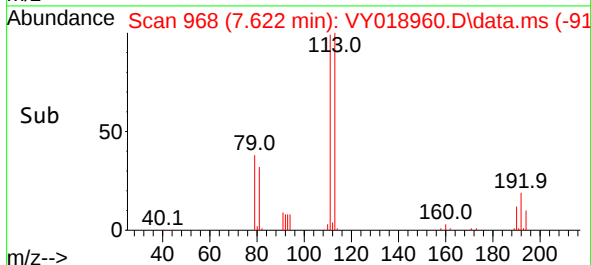
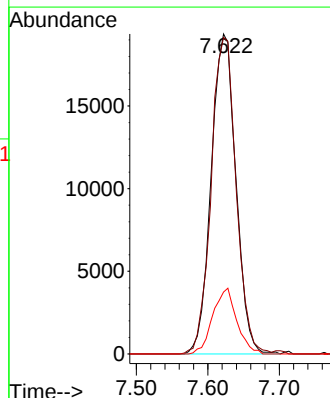
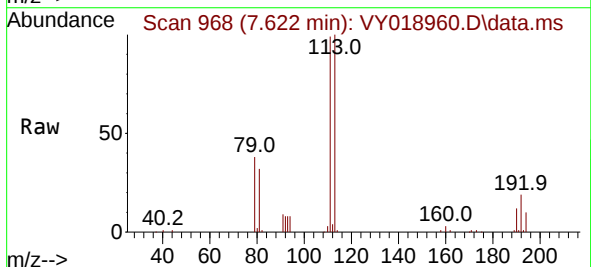
Tgt Ion:113 Resp: 46407

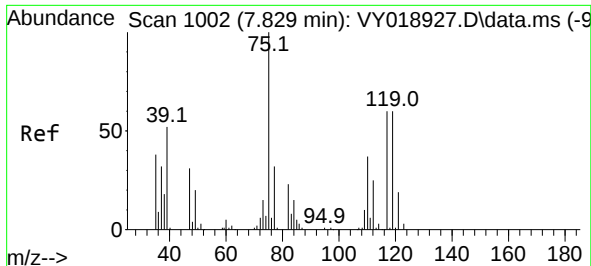
Ion Ratio Lower Upper

113 100

111 99.8 82.2 123.4

192 19.9 15.9 23.9

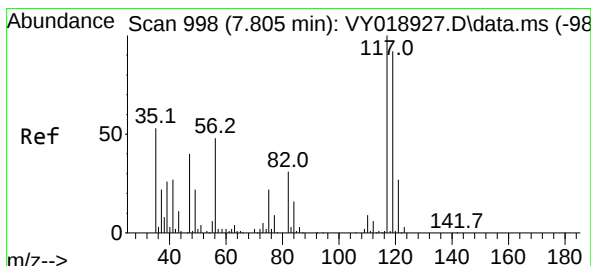
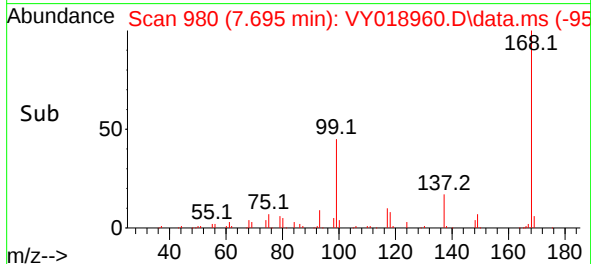
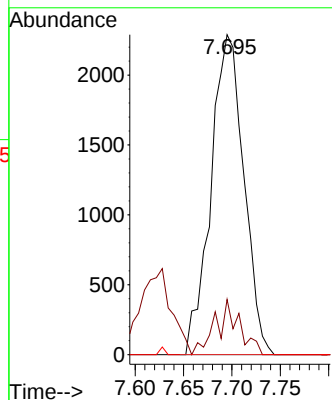
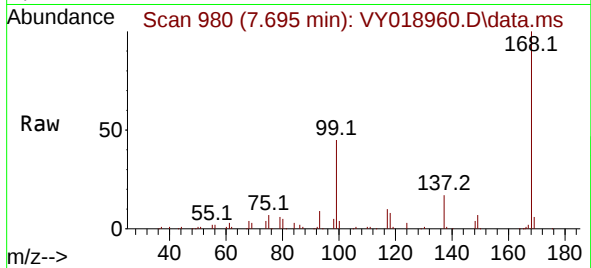




#36  
1,1-Dichloropropene  
Concen: 5.240 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. -0.134 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

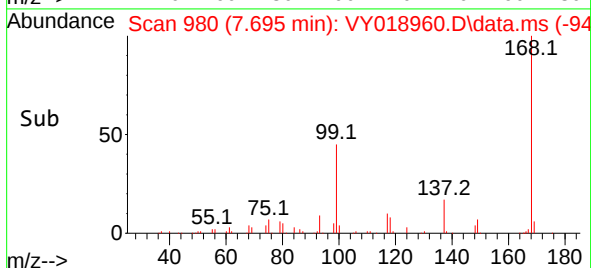
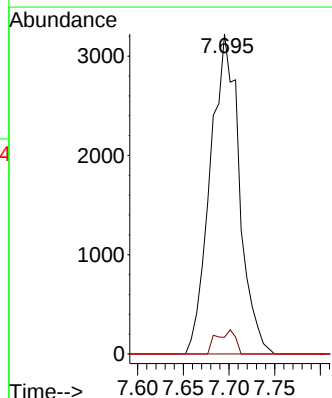
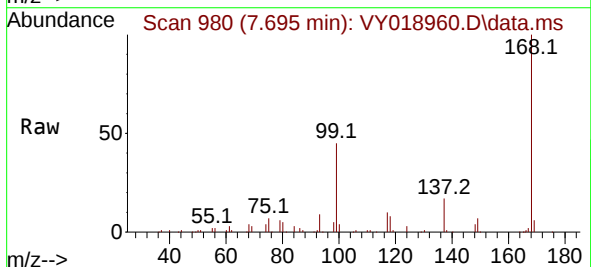
Instrument :  
MSVOA\_Y  
ClientSampleId :

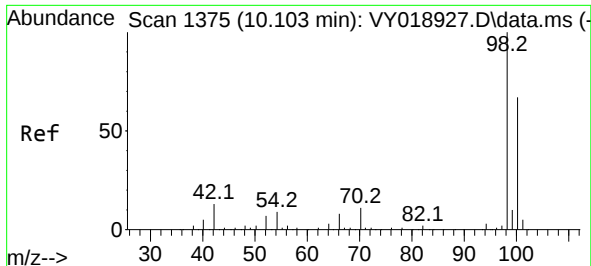
Tgt Ion: 75 Resp: 5417  
Ion Ratio Lower Upper  
75 100  
110 12.6 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.028 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. -0.110 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

Tgt Ion: 117 Resp: 7145  
Ion Ratio Lower Upper  
117 100  
119 5.2 75.8 113.6#  
121 0.0 24.0 36.0#

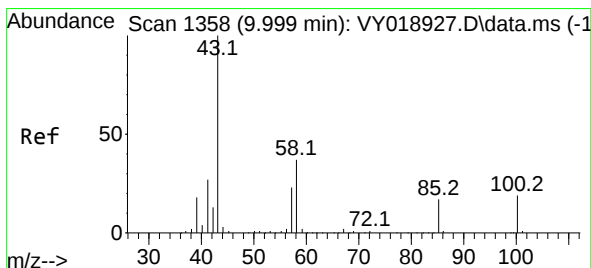
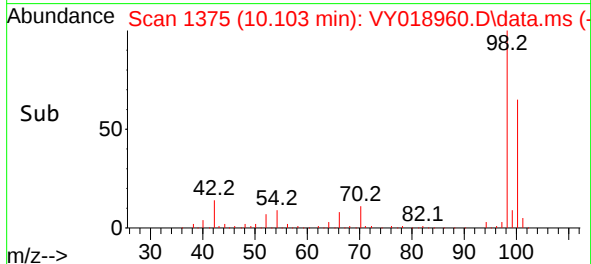
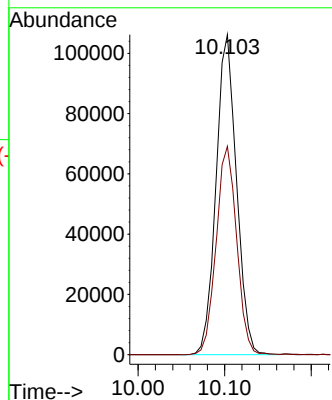
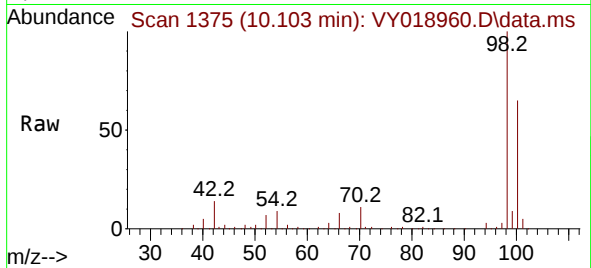




#50  
Toluene-d8  
Concen: 58.877 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

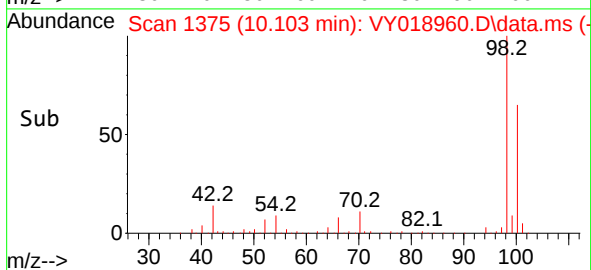
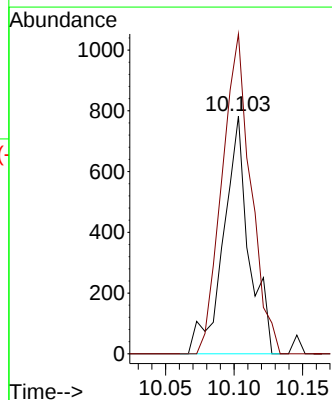
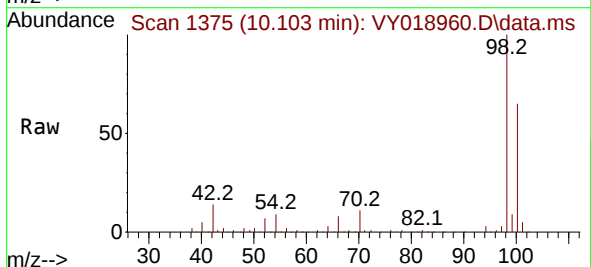
Instrument :  
MSVOA\_Y  
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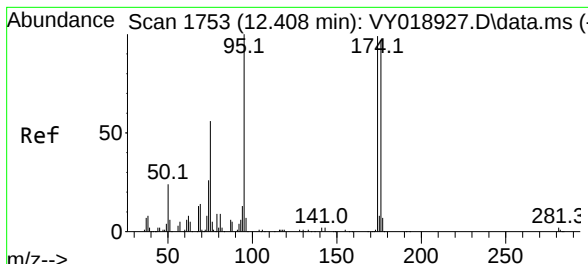
Tgt Ion: 98 Resp: 174174  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.0 78.0



#51  
4-Methyl-2-Pentanone  
Concen: 2.042 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.104 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

Tgt Ion: 43 Resp: 1012  
Ion Ratio Lower Upper  
43 100  
58 152.4 35.7 53.5#

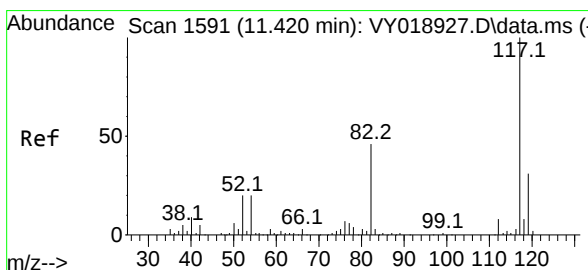
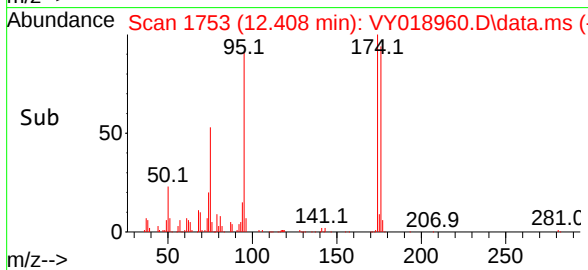
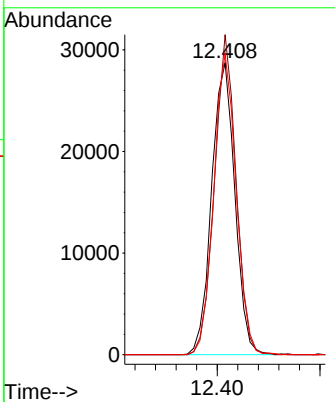
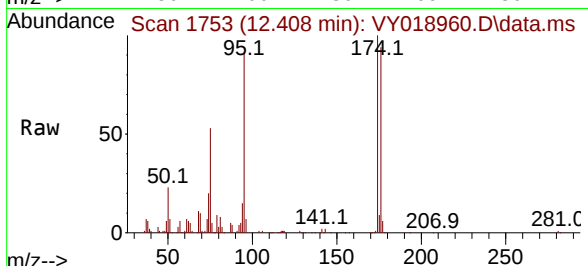




#62  
4-Bromofluorobenzene  
Concen: 51.212 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

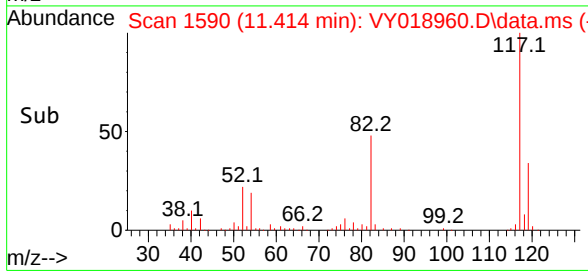
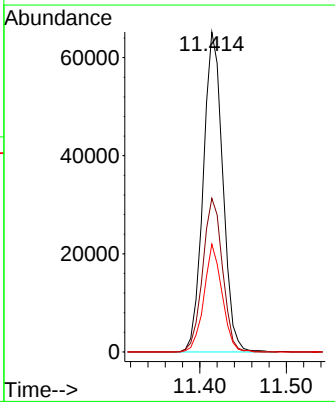
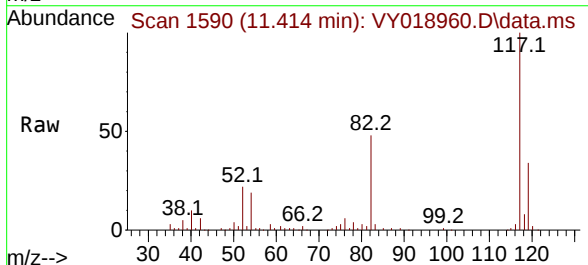
Instrument :  
MSVOA\_Y  
ClientSampleId :

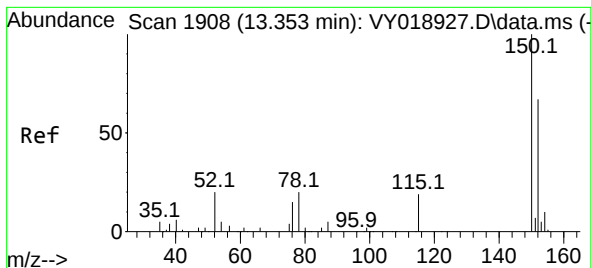
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 44946 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 102.0 | 0.0   | 175.6 |
| 176       | 99.7  | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY018960.D  
Acq: 09 Aug 2024 12:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 102205 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 48.0  | 42.4  | 63.6   |
| 119       | 33.7  | 25.9  | 38.9   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY018960.D

Acq: 09 Aug 2024 12:19

Instrument :

MSVOA\_Y

ClientSampleId :

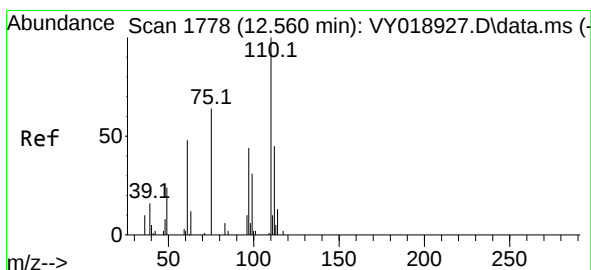
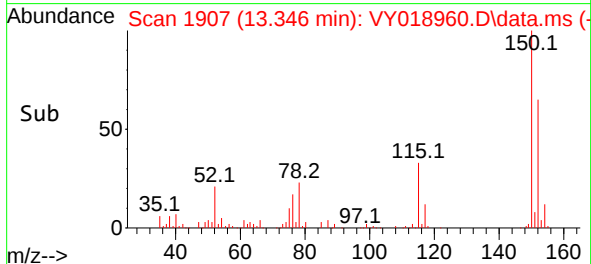
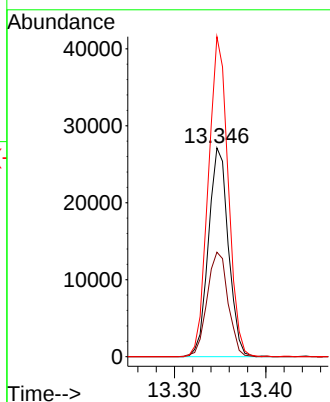
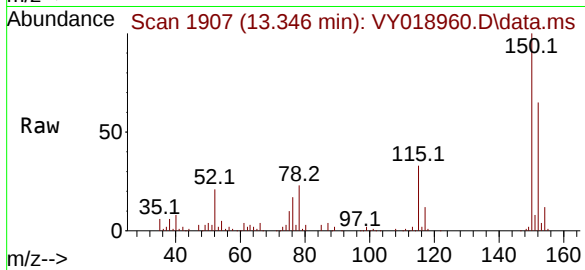
Tgt Ion:152 Resp: 40964

Ion Ratio Lower Upper

152 100

115 52.7 28.2 84.7

150 152.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 85.387 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY018960.D

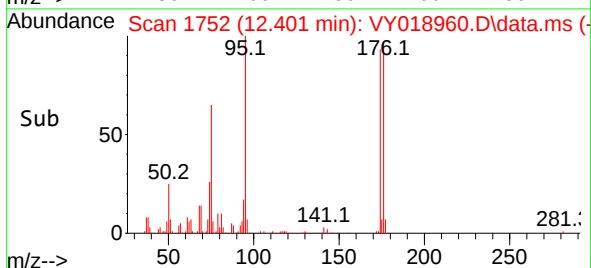
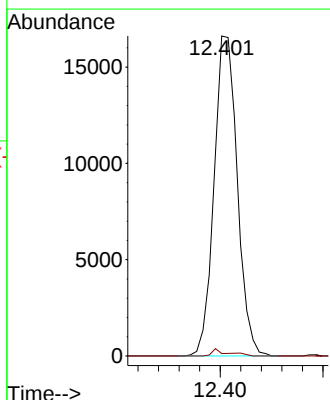
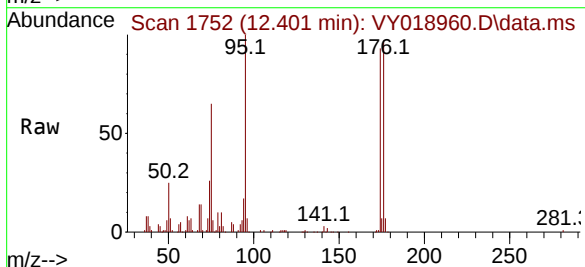
Acq: 09 Aug 2024 12:19

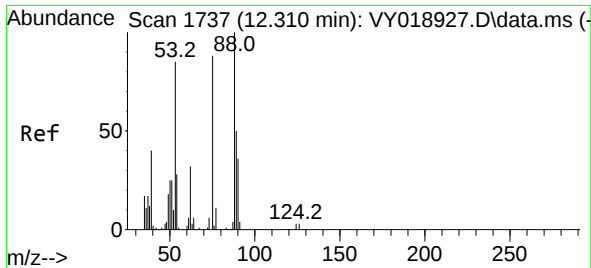
Tgt Ion: 75 Resp: 26058

Ion Ratio Lower Upper

75 100

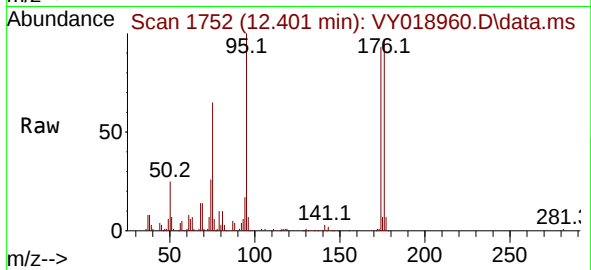
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 175.948 ug/l  
 RT: 12.401 min Scan# 11  
 Delta R.T. 0.091 min  
 Lab File: VY018960.D  
 Acq: 09 Aug 2024 12:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 26058  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 66.8  | 100.2# |
| 89       | 0.1   | 35.8  | 53.6#  |

