

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061625\  
 Data File : VY022696.D  
 Acq On : 16 Jun 2025 09:40  
 Operator : SY/MD  
 Sample : VY0616SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0616SBL01

Quant Time: Jun 17 05:50:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

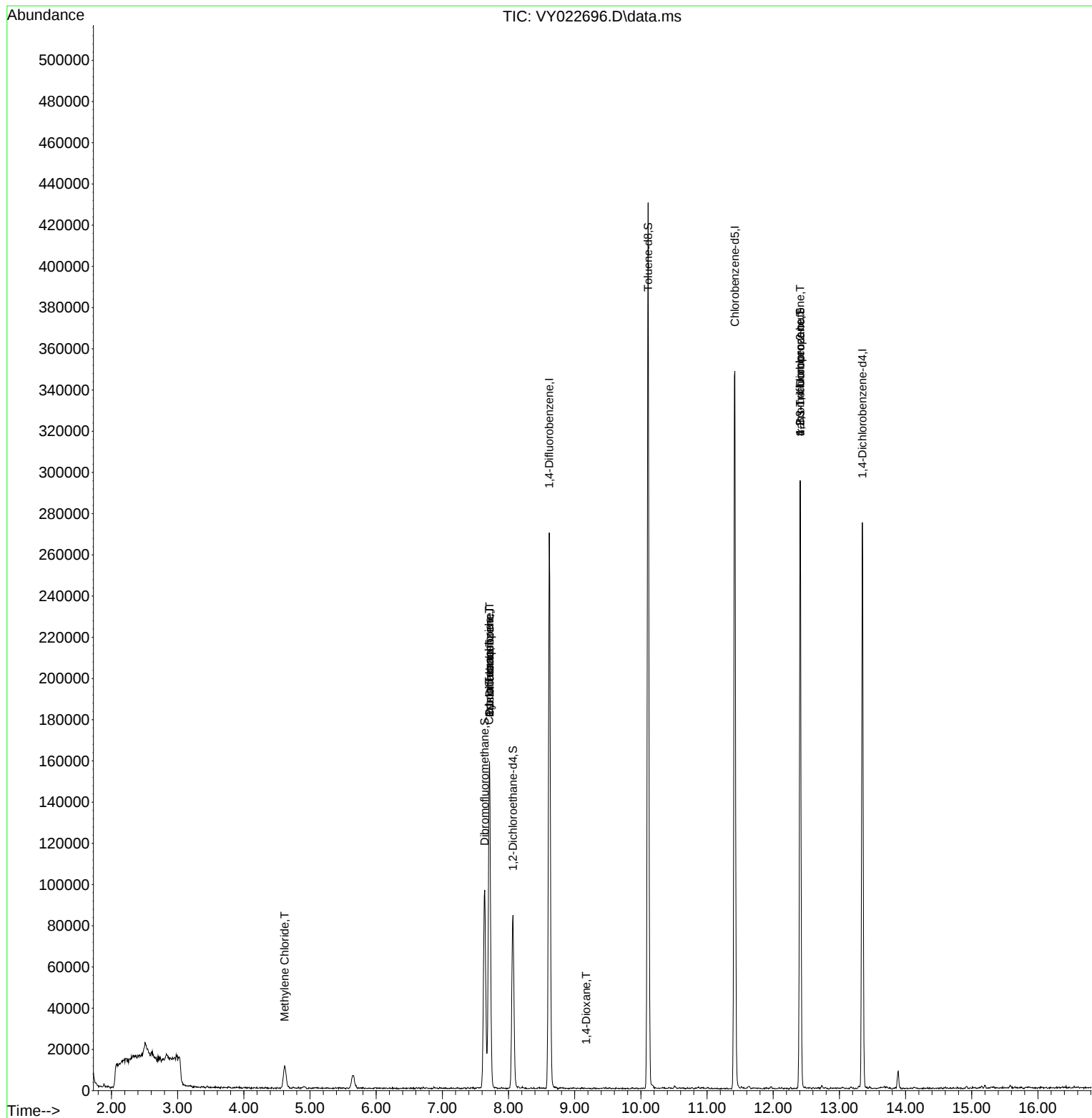
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 118205   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 219441   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 175112   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 63063    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067  | 65    | 64514    | 48.798   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 97.600%  |
| 35) Dibromofluoromethane      | 7.640  | 113   | 67058    | 51.197   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 102.400% |
| 50) Toluene-d8                | 10.109 | 98    | 260050   | 49.136   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 98.280%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 77119    | 48.906   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 97.820%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride        | 4.616  | 84    | 7533     | 4.939    | ug/l   | 90       |
| 31) Cyclohexane               | 7.713  | 56    | 3728     | 1.467    | ug/l # | 64       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 10851    | 5.104    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 12917    | 5.923    | ug/l # | 18       |
| 49) 1,4-Dioxane               | 9.170  | 88    | 19       | 1.921    | ug/l # | 3        |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 46819    | 64.894   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 46819    | 156.716  | ug/l # | 10       |
| -----                         |        |       |          |          |        |          |

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

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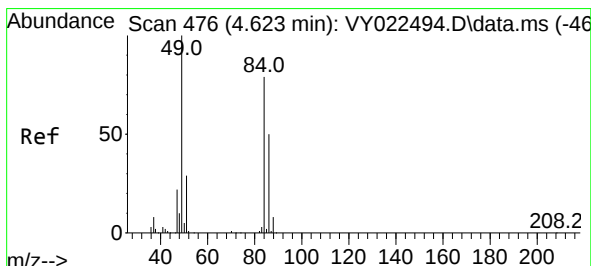
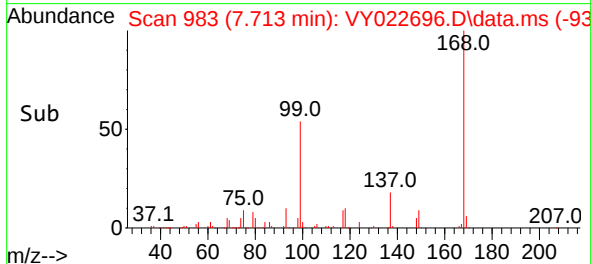
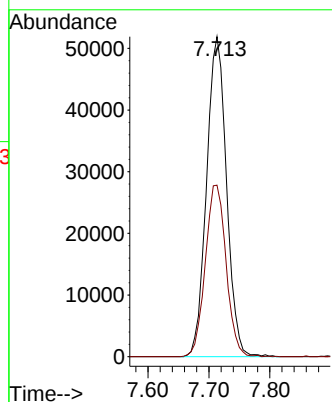
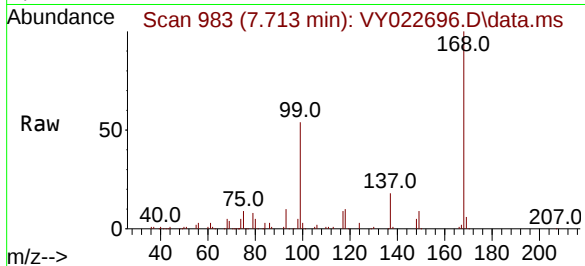




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

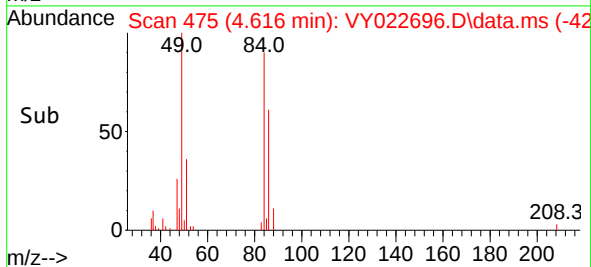
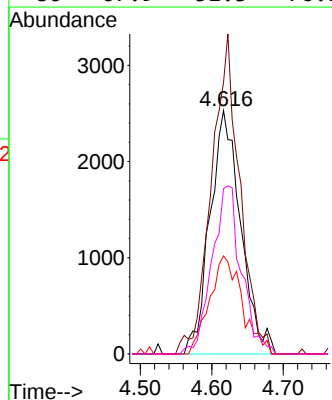
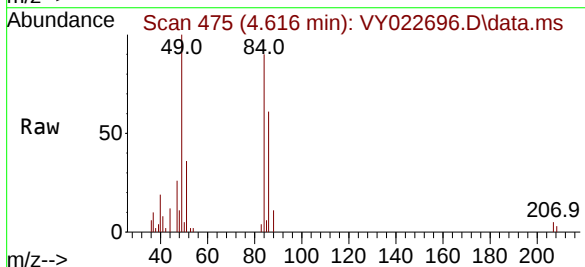
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0616SBL01

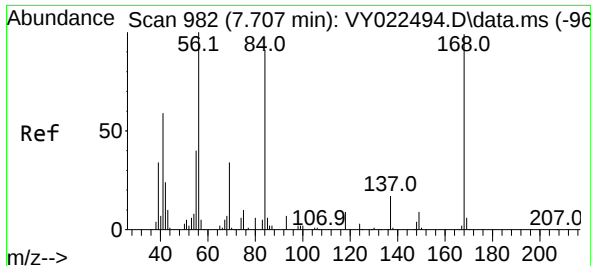
Tgt Ion:168 Resp: 118205  
Ion Ratio Lower Upper  
168 100  
99 53.6 44.3 66.5



#20  
Methylene Chloride  
Concen: 4.939 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

Tgt Ion: 84 Resp: 7533  
Ion Ratio Lower Upper  
84 100  
49 111.6 101.9 152.9  
51 40.3 29.8 44.8  
86 67.9 51.3 76.9

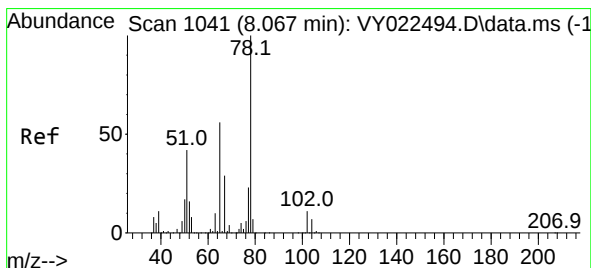
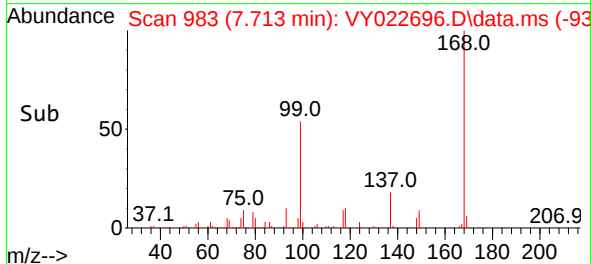
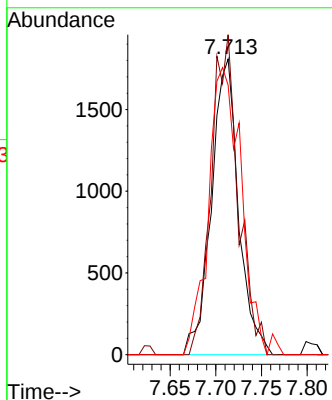
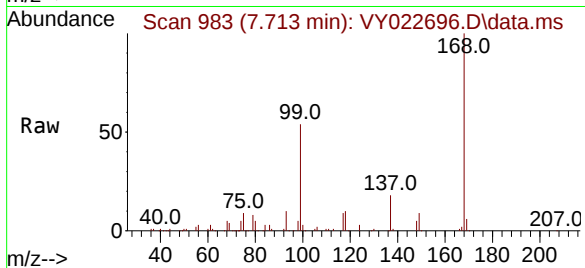




#31  
Cyclohexane  
Concen: 1.467 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

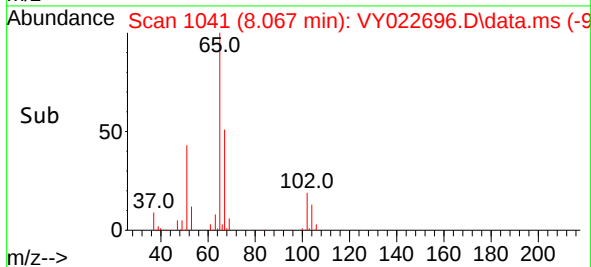
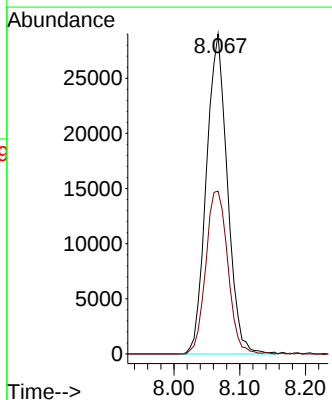
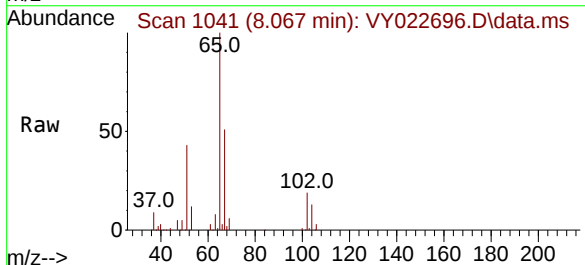
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0616SBL01

Tgt Ion: 56 Resp: 3728  
Ion Ratio Lower Upper  
56 100  
69 108.2 27.0 40.6#  
84 91.2 72.6 109.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.798 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

Tgt Ion: 65 Resp: 64514  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 103.4

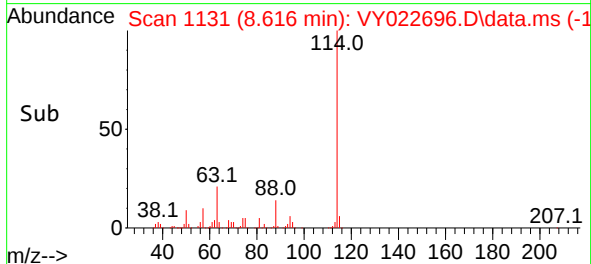
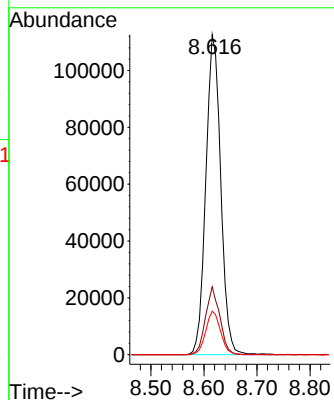
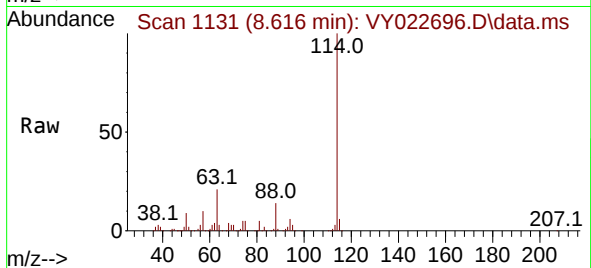




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

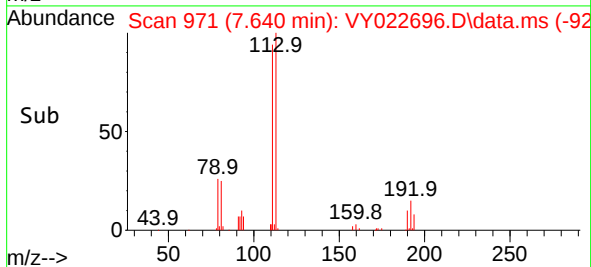
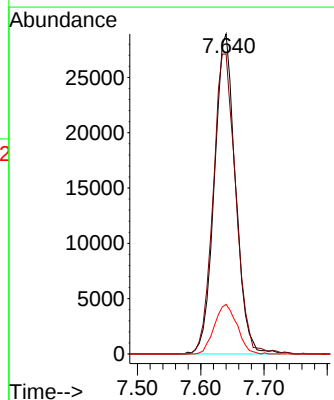
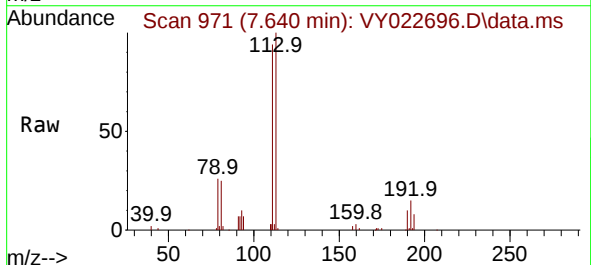
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0616SBL01

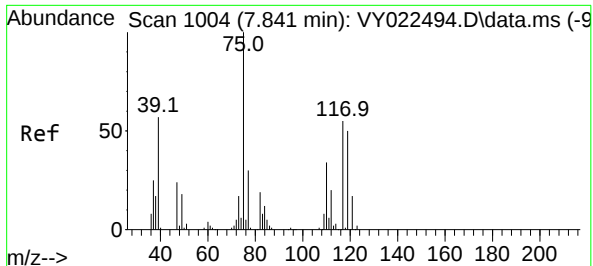
Tgt Ion:114 Resp: 219441  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 40.8  
88 13.6 0.0 27.8



#35  
Dibromofluoromethane  
Concen: 51.197 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

Tgt Ion:113 Resp: 67058  
Ion Ratio Lower Upper  
113 100  
111 100.2 81.1 121.7  
192 16.6 14.2 21.2

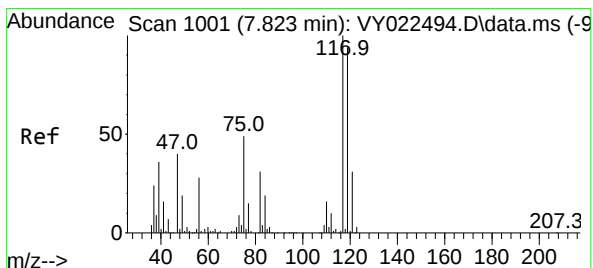
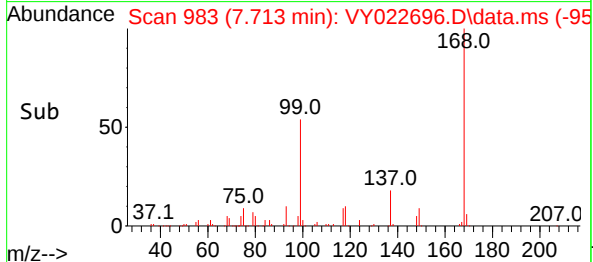
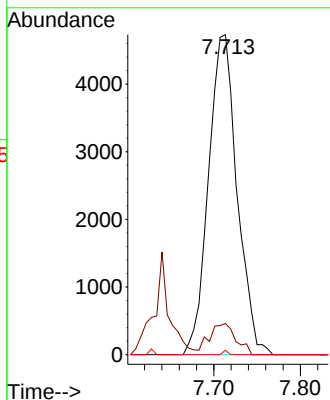
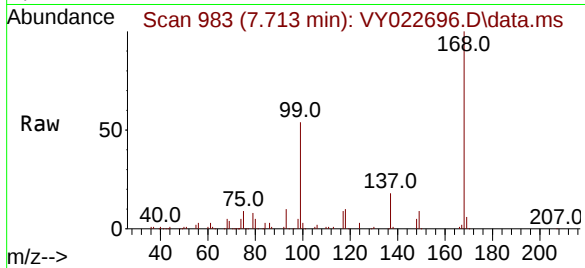




#36  
1,1-Dichloropropene  
Concen: 5.104 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

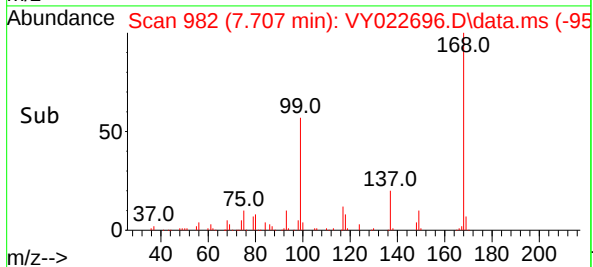
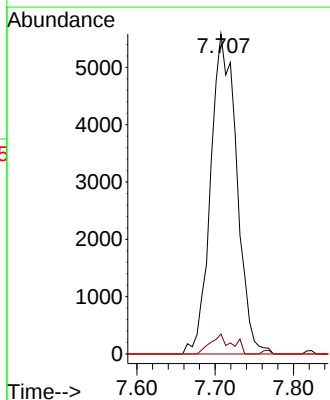
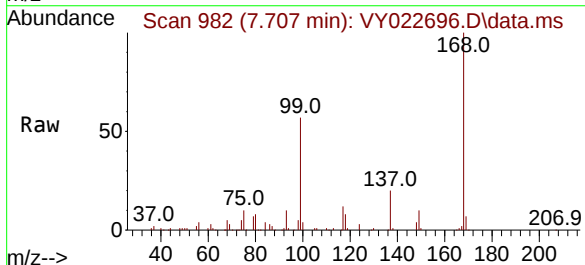
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0616SBL01

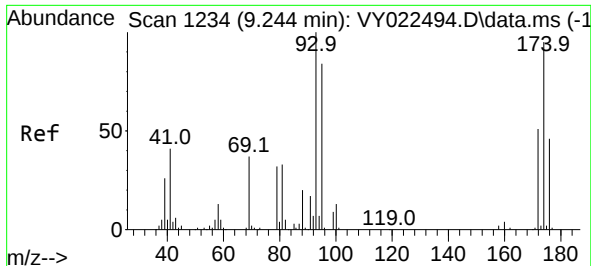
Tgt Ion: 75 Resp: 10851  
Ion Ratio Lower Upper  
75 100  
110 8.9 16.9 50.7#  
77 0.2 24.8 37.2#



#38  
Carbon Tetrachloride  
Concen: 5.923 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

Tgt Ion: 117 Resp: 12917  
Ion Ratio Lower Upper  
117 100  
119 6.2 75.0 112.6#  
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 1.921 ug/l

RT: 9.170 min Scan# 11

Delta R.T. -0.073 min

Lab File: VY022696.D

Acq: 16 Jun 2025 09:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY0616SBL01

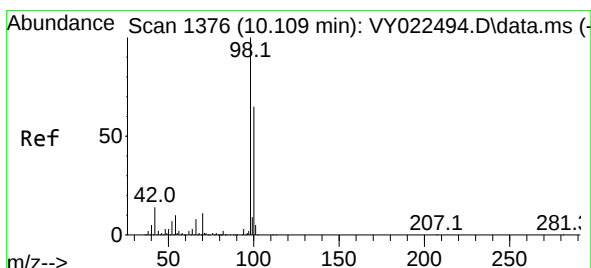
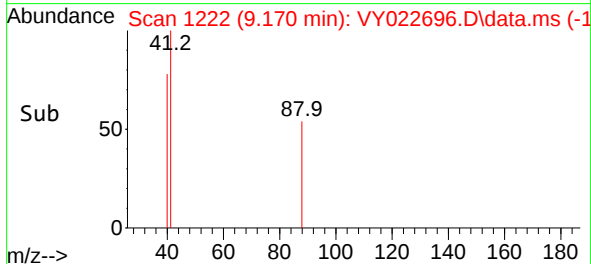
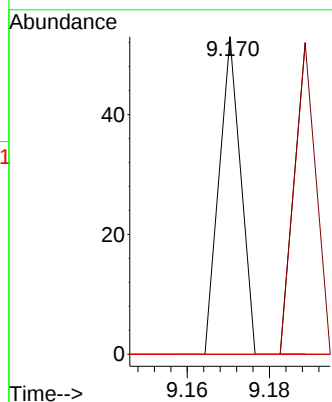
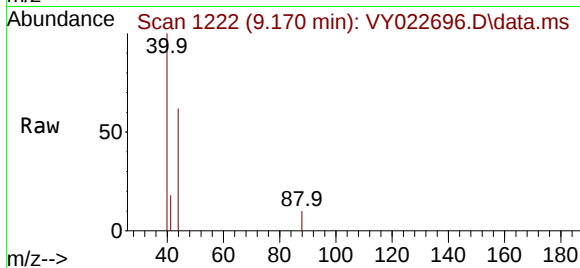
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 100.0 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 49.136 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022696.D

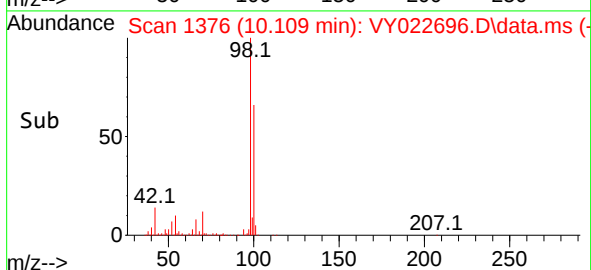
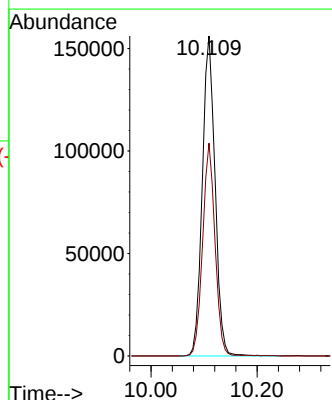
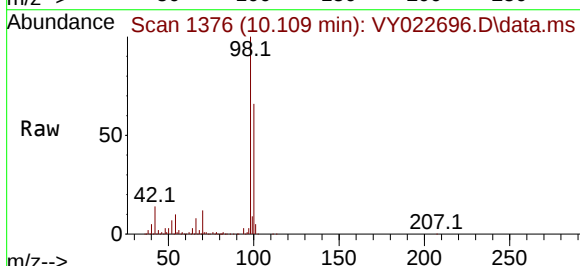
Acq: 16 Jun 2025 09:40

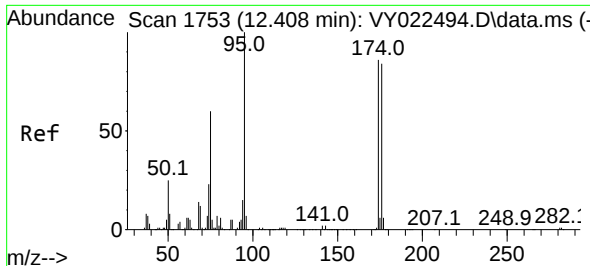
Tgt Ion: 98 Resp: 260050

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0

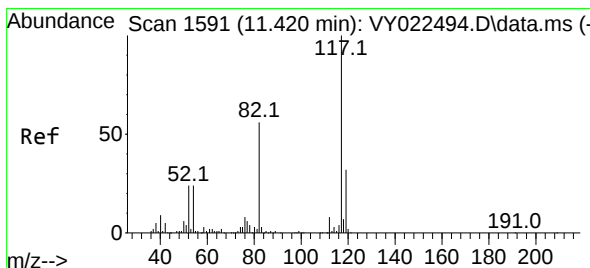
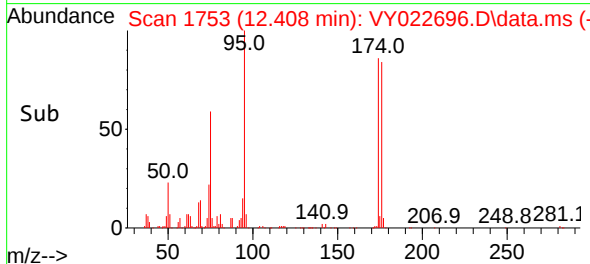
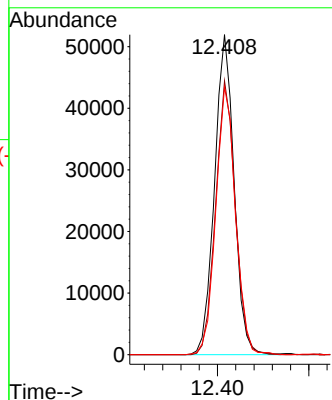
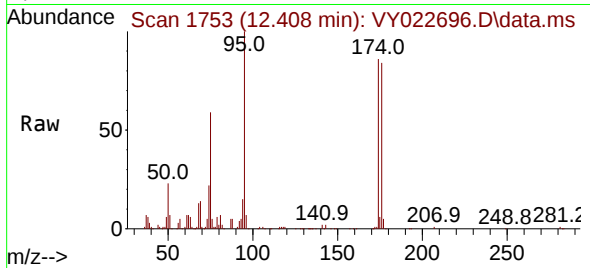




#62  
4-Bromofluorobenzene  
Concen: 48.906 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

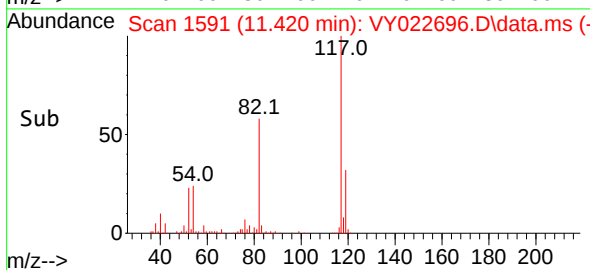
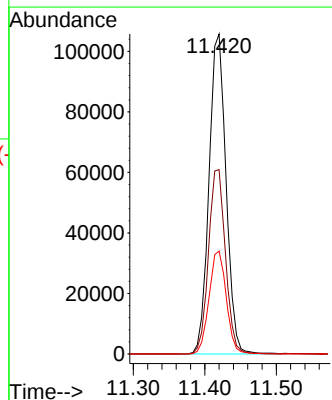
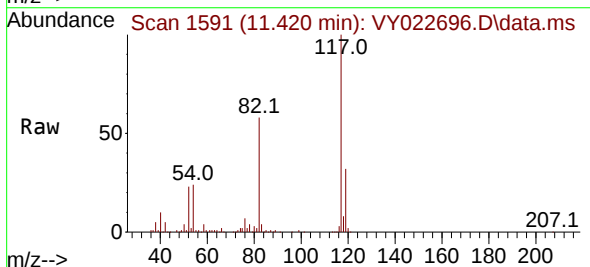
Instrument :  
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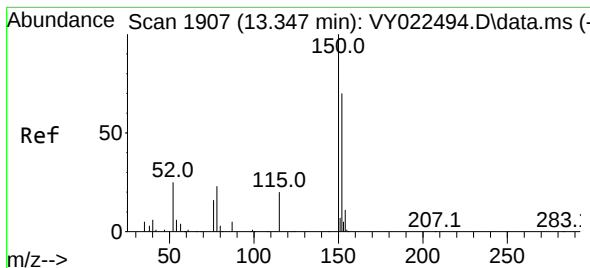
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 77119 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 86.2  | 0.0   | 170.0 |
| 176      | 84.4  | 0.0   | 166.2 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY022696.D  
Acq: 16 Jun 2025 09:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 175112 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.6  | 44.6  | 66.8   |
| 119      | 32.2  | 25.4  | 38.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022696.D

Acq: 16 Jun 2025 09:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY0616SBL01

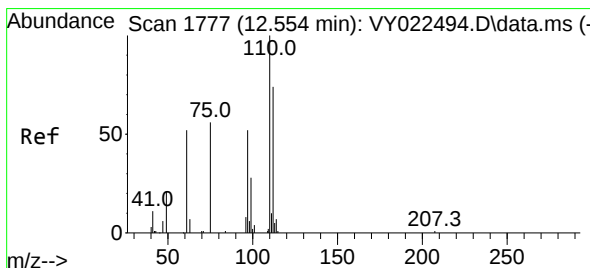
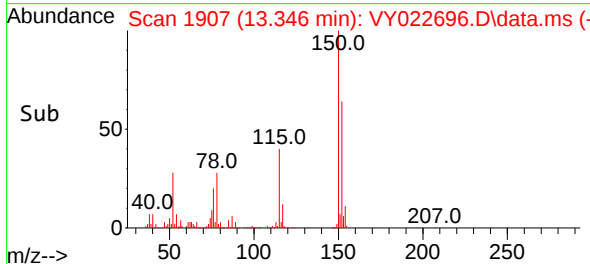
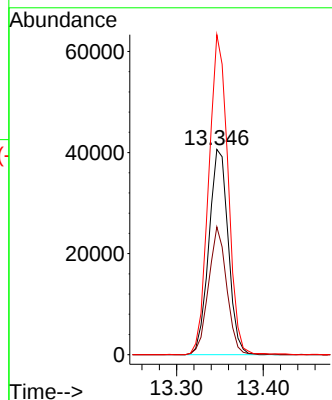
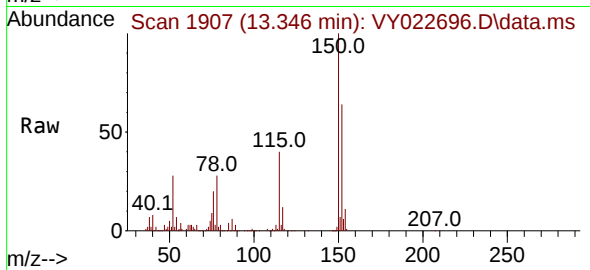
Tgt Ion:152 Resp: 63063

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.7

150 155.2 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 64.894 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022696.D

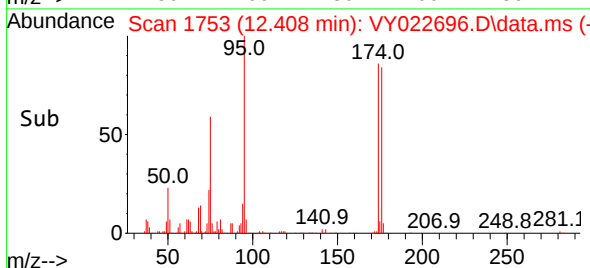
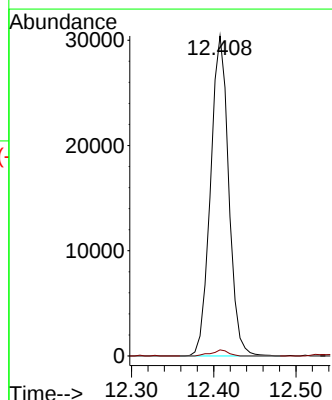
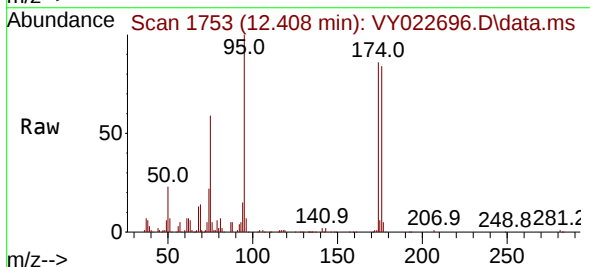
Acq: 16 Jun 2025 09:40

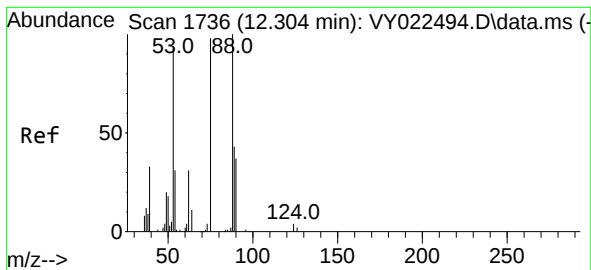
Tgt Ion: 75 Resp: 46819

Ion Ratio Lower Upper

75 100

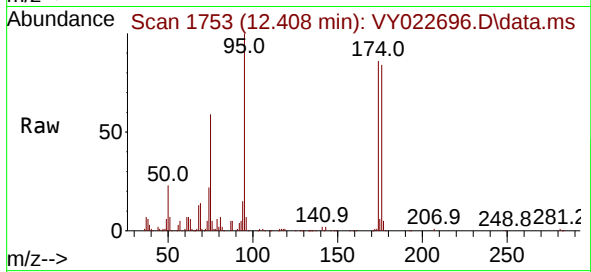
77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 156.716 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY022696.D  
 Acq: 16 Jun 2025 09:40

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0616SBL01



Tgt Ion: 75 Resp: 46819  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 78.5 117.7#  
 89 0.0 35.7 53.5#

