

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051925\  
 Data File : VY022310.D  
 Acq On : 19 May 2025 11:51  
 Operator : SY/MD  
 Sample : Q2048-03  
 Misc : 5.78g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 L2-WC-1-VOC

Quant Time: May 20 01:11:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 16 01:42:09 2025  
 Response via : Initial Calibration

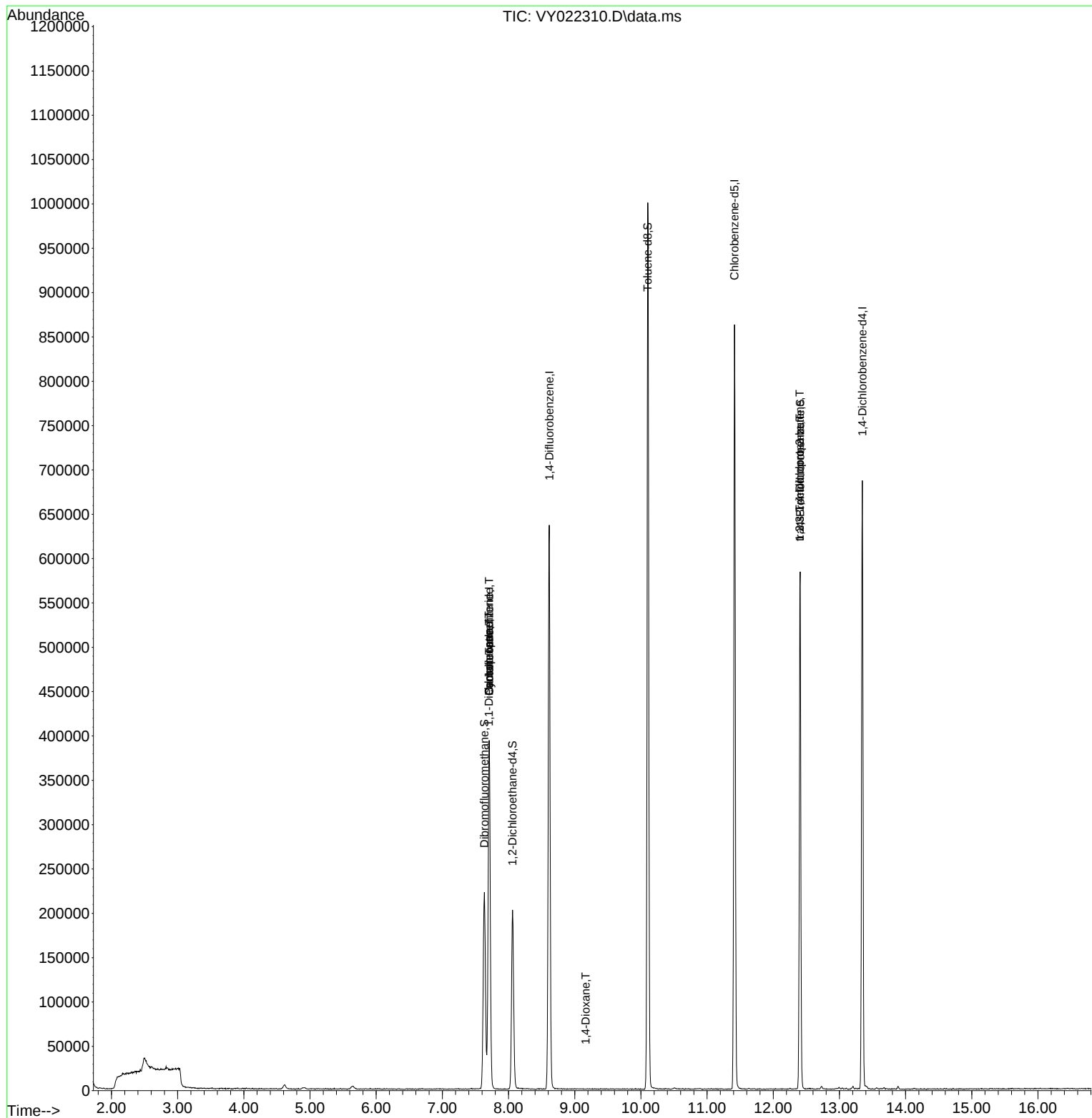
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 297104   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 525311   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 421683   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 160431   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 149886   | 46.160   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 92.320%  |
| 35) Dibromofluoromethane      | 7.634  | 113   | 152817   | 48.740   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 97.480%  |
| 50) Toluene-d8                | 10.103 | 98    | 626229   | 48.768   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 97.540%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 164230   | 40.350   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 80.700%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 31) Cyclohexane               | 7.707  | 56    | 8057     | 1.227    | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 25524    | 4.942    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 29656    | 5.548    | ug/l # | 16       |
| 49) 1,4-Dioxane               | 9.164  | 88    | 45       | 2.001    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 97184    | 59.793   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 97184    | 121.126  | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

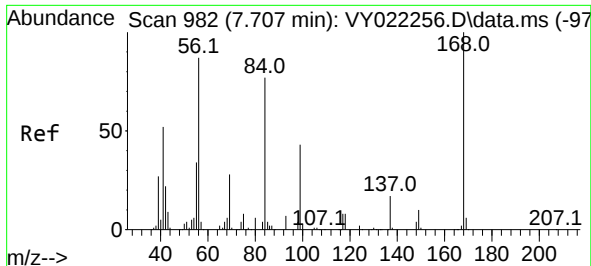
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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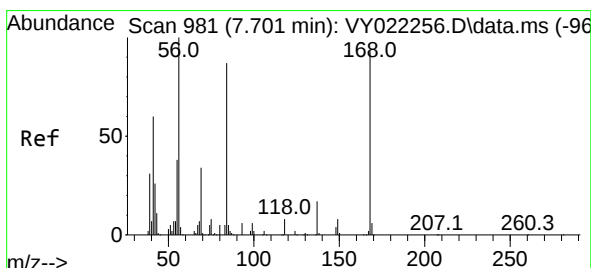
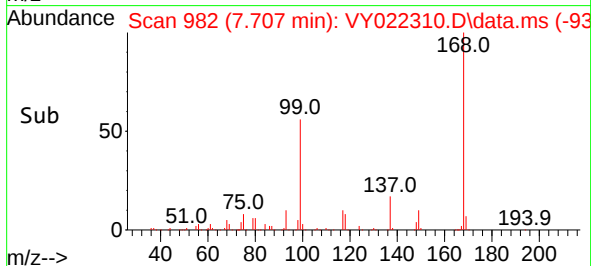
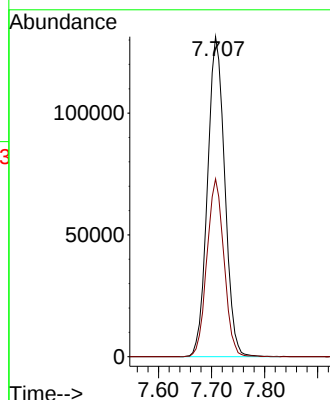
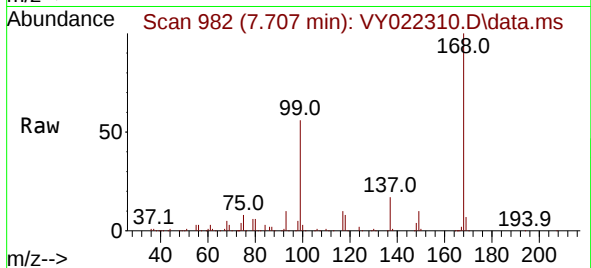




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

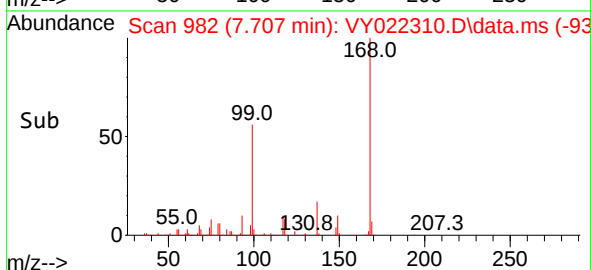
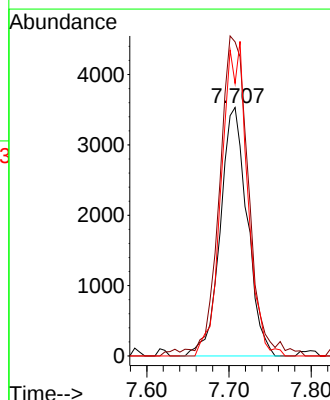
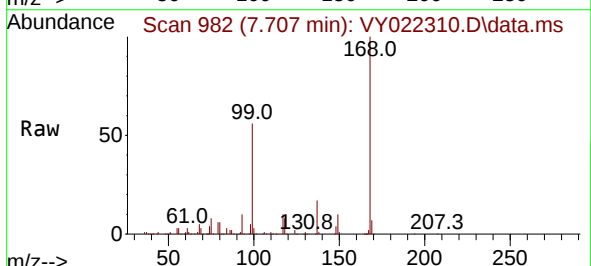
Instrument :  
MSVOA\_Y  
ClientSampleId :  
L2-WC-1-VOC

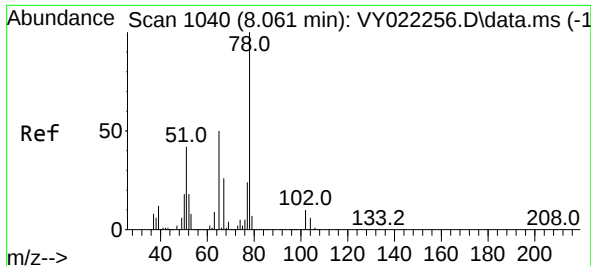
Tgt Ion:168 Resp: 297104  
Ion Ratio Lower Upper  
168 100  
99 55.6 44.2 66.4



#31  
Cyclohexane  
Concen: 1.227 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Tgt Ion: 56 Resp: 8057  
Ion Ratio Lower Upper  
56 100  
69 124.9 27.4 41.2#  
84 109.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 46.160 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022310.D

Acq: 19 May 2025 11:51

Instrument :

MSVOA\_Y

ClientSampleId :

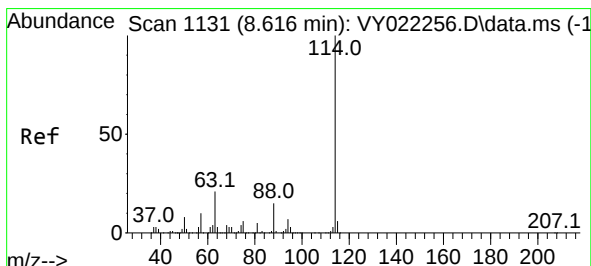
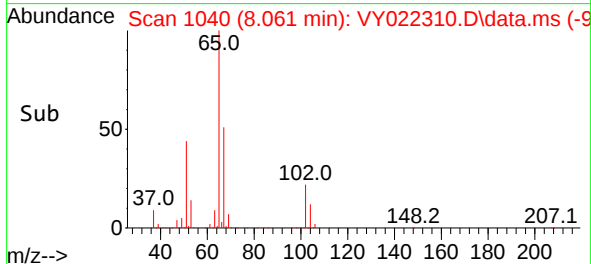
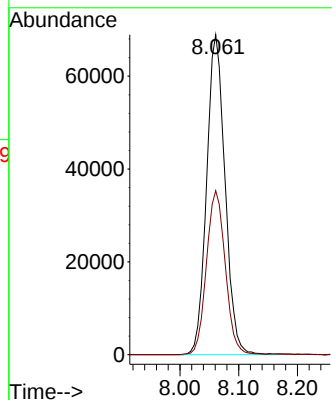
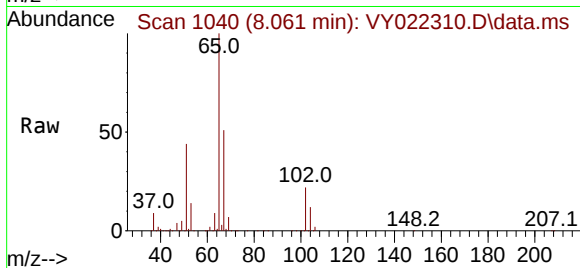
L2-WC-1-VOC

Tgt Ion: 65 Resp: 149886

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022310.D

Acq: 19 May 2025 11:51

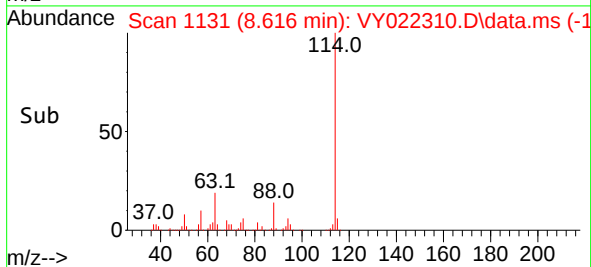
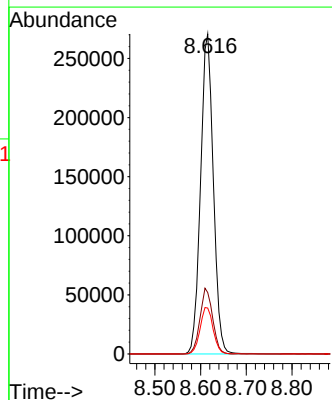
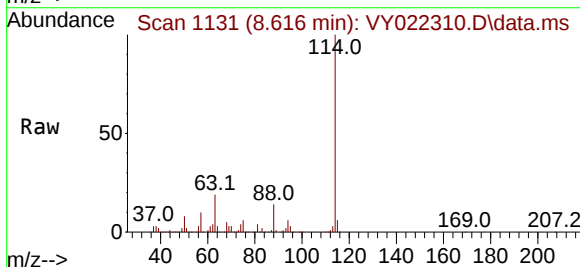
Tgt Ion: 114 Resp: 525311

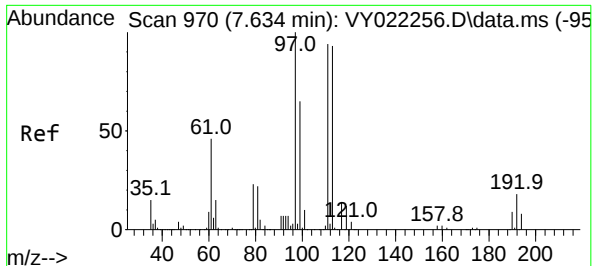
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.740 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY022310.D

Acq: 19 May 2025 11:51

Instrument :

MSVOA\_Y

ClientSampleId :

L2-WC-1-VOC

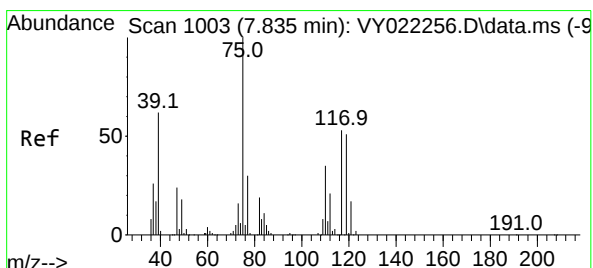
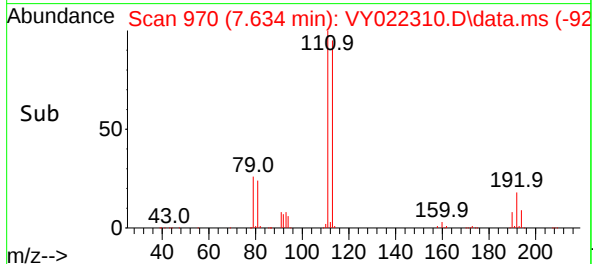
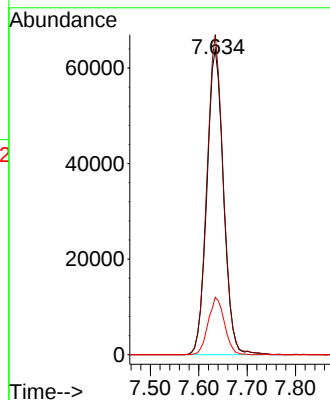
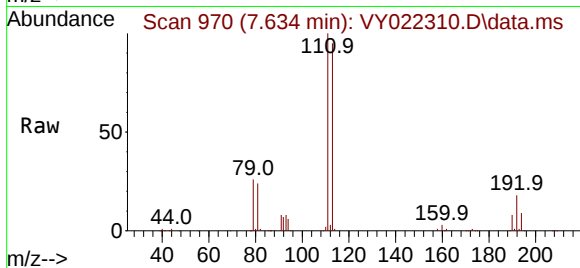
Tgt Ion:113 Resp: 152817

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 18.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY022310.D

Acq: 19 May 2025 11:51

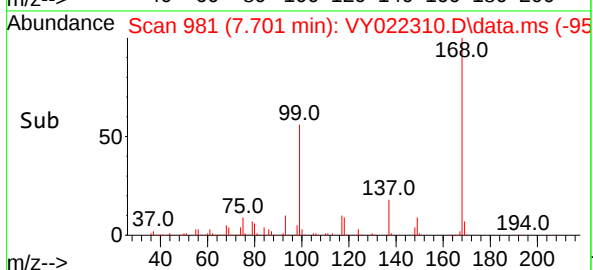
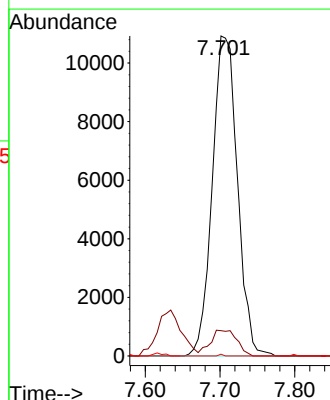
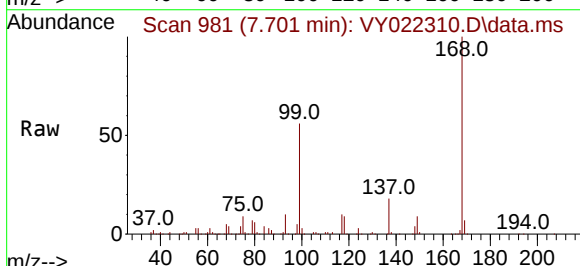
Tgt Ion: 75 Resp: 25524

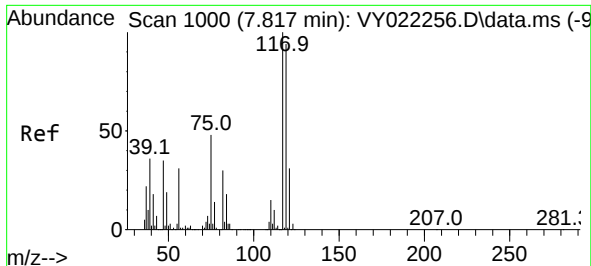
Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.8#

77 0.1 24.6 37.0#

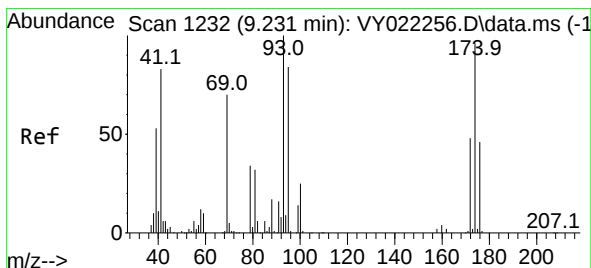
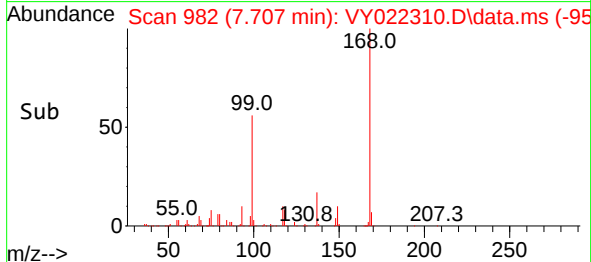
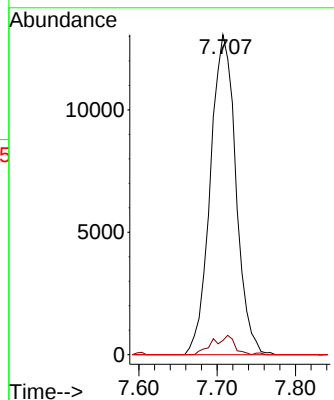
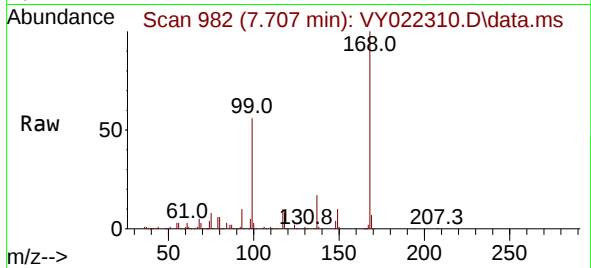




#38  
Carbon Tetrachloride  
Concen: 5.548 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

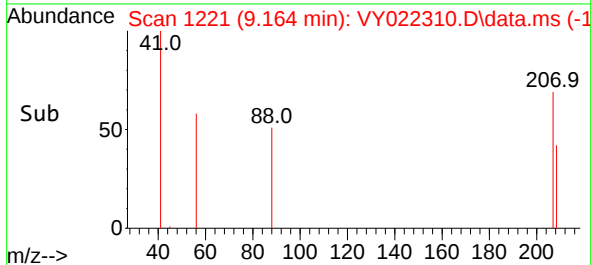
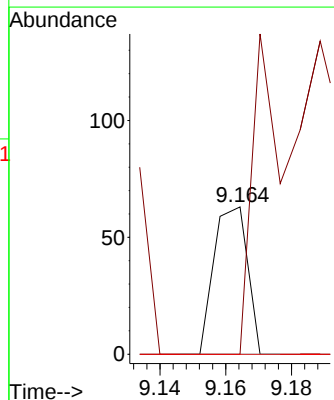
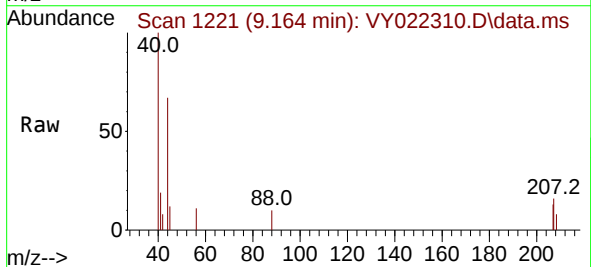
Instrument :  
MSVOA\_Y  
ClientSampleId :  
L2-WC-1-VOC

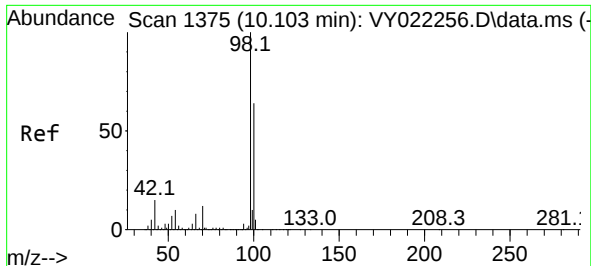
Tgt Ion:117 Resp: 29656  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.3 112.9#  
121 0.0 24.7 37.1#



#49  
1,4-Dioxane  
Concen: 2.001 ug/l  
RT: 9.164 min Scan# 1221  
Delta R.T. -0.067 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Tgt Ion: 88 Resp: 45  
Ion Ratio Lower Upper  
88 100  
43 593.3 28.5 42.7#  
58 0.0 61.4 92.2#

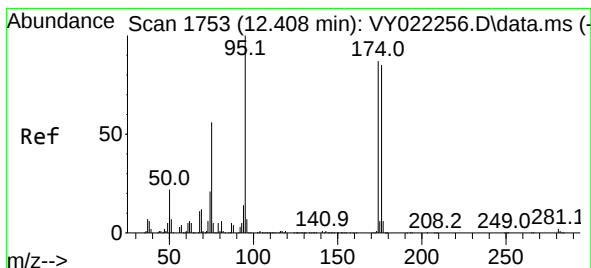
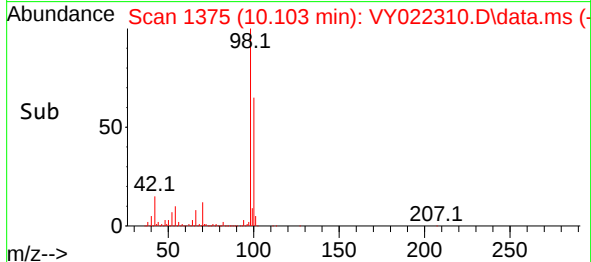
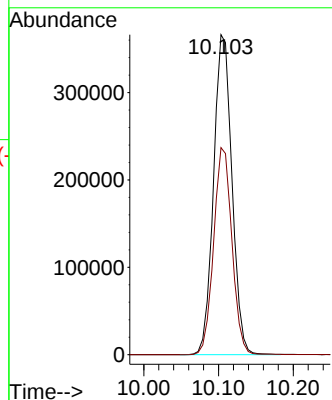
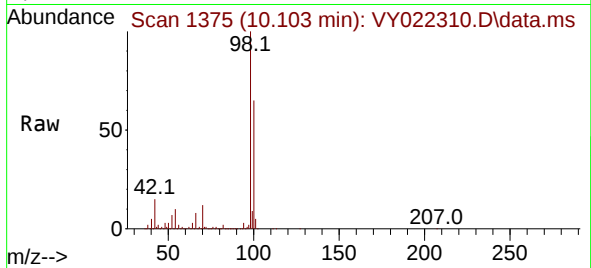




#50  
Toluene-d8  
Concen: 48.768 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

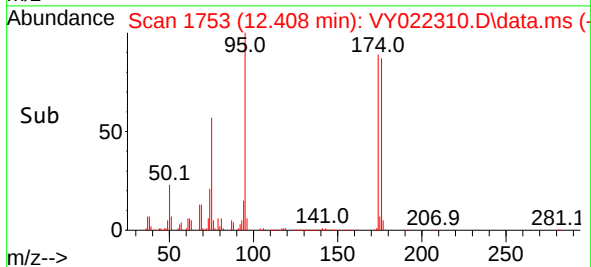
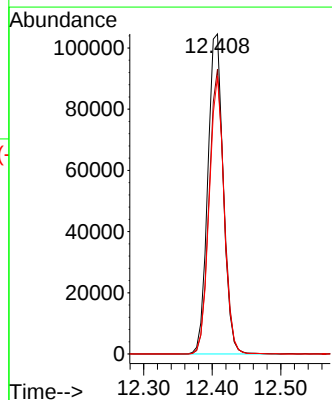
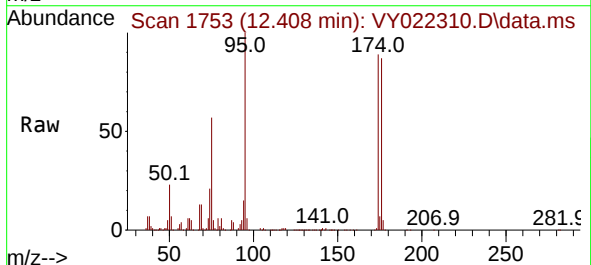
Instrument :  
MSVOA\_Y  
ClientSampleId :  
L2-WC-1-VOC

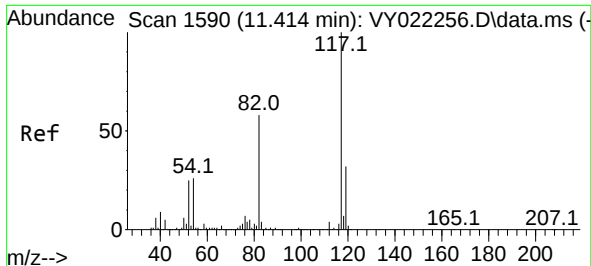
Tgt Ion: 98 Resp: 626229  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.8 77.8



#62  
4-Bromofluorobenzene  
Concen: 40.350 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Tgt Ion: 95 Resp: 164230  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 166.8  
176 83.4 0.0 160.8

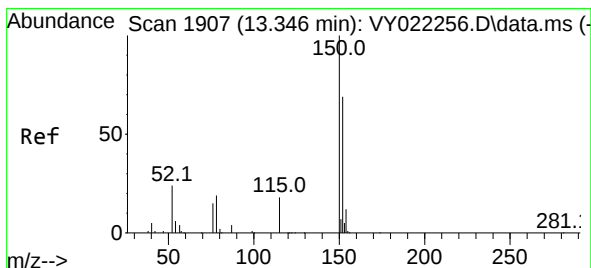
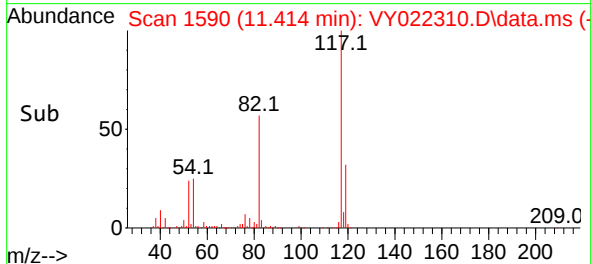
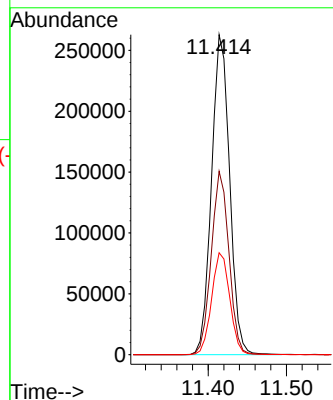
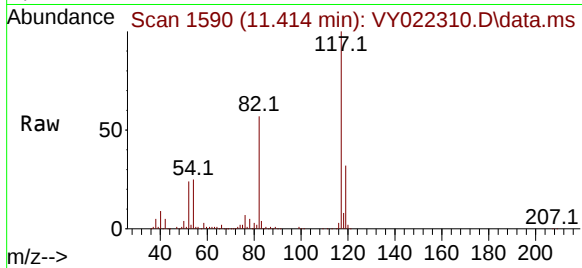




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

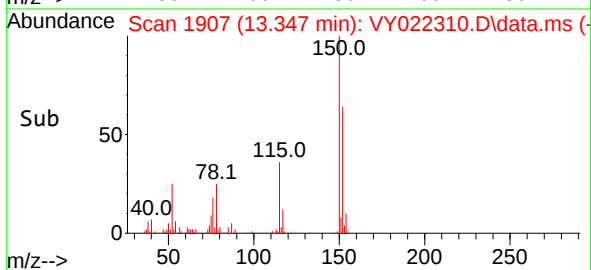
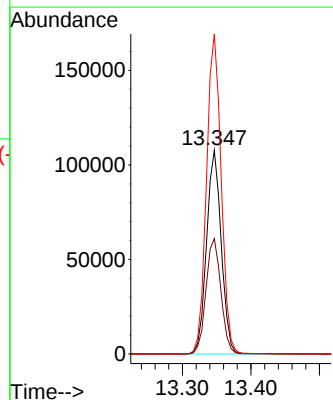
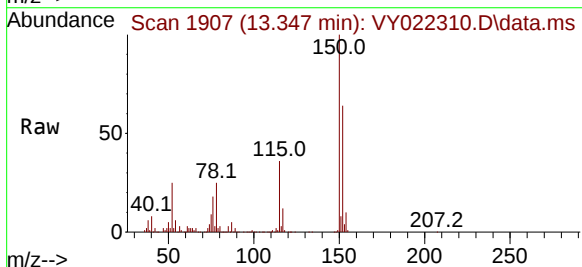
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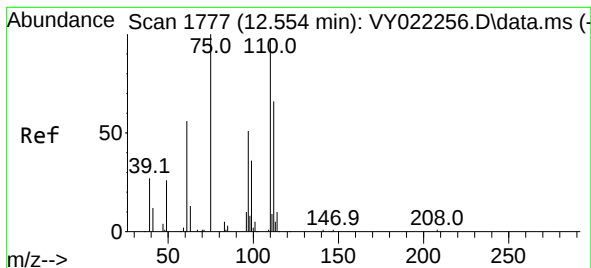
Tgt Ion:117 Resp: 421683  
Ion Ratio Lower Upper  
117 100  
82 57.3 46.6 70.0  
119 31.9 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Tgt Ion:152 Resp: 160431  
Ion Ratio Lower Upper  
152 100  
115 57.7 29.4 88.2  
150 157.2 0.0 353.8

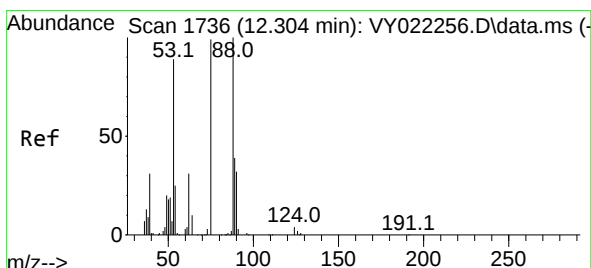
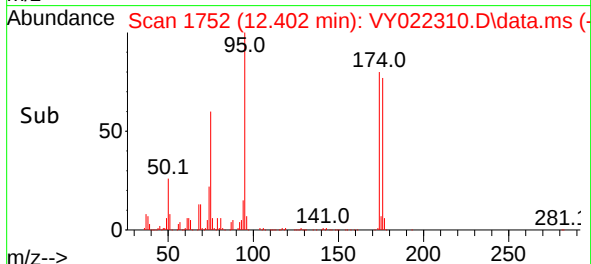
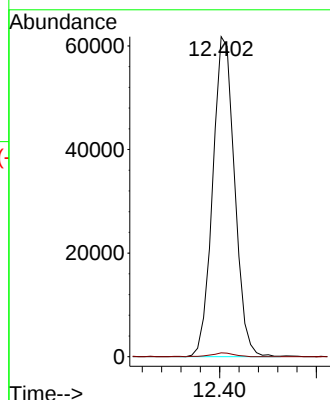
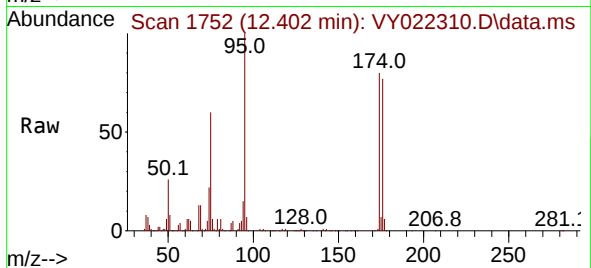




#76  
1,2,3-Trichloropropane  
Concen: 59.793 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.152 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
L2-WC-1-VOC

Tgt Ion: 75 Resp: 97184  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 121.126 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY022310.D  
Acq: 19 May 2025 11:51

Tgt Ion: 75 Resp: 97184  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.8 113.8#  
89 0.0 36.2 54.2#

