

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020725\  
 Data File : VY021140.D  
 Acq On : 07 Feb 2025 15:26  
 Operator : SY/MD  
 Sample : Q1309-23  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-8-VOC

Quant Time: Feb 08 02:42:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

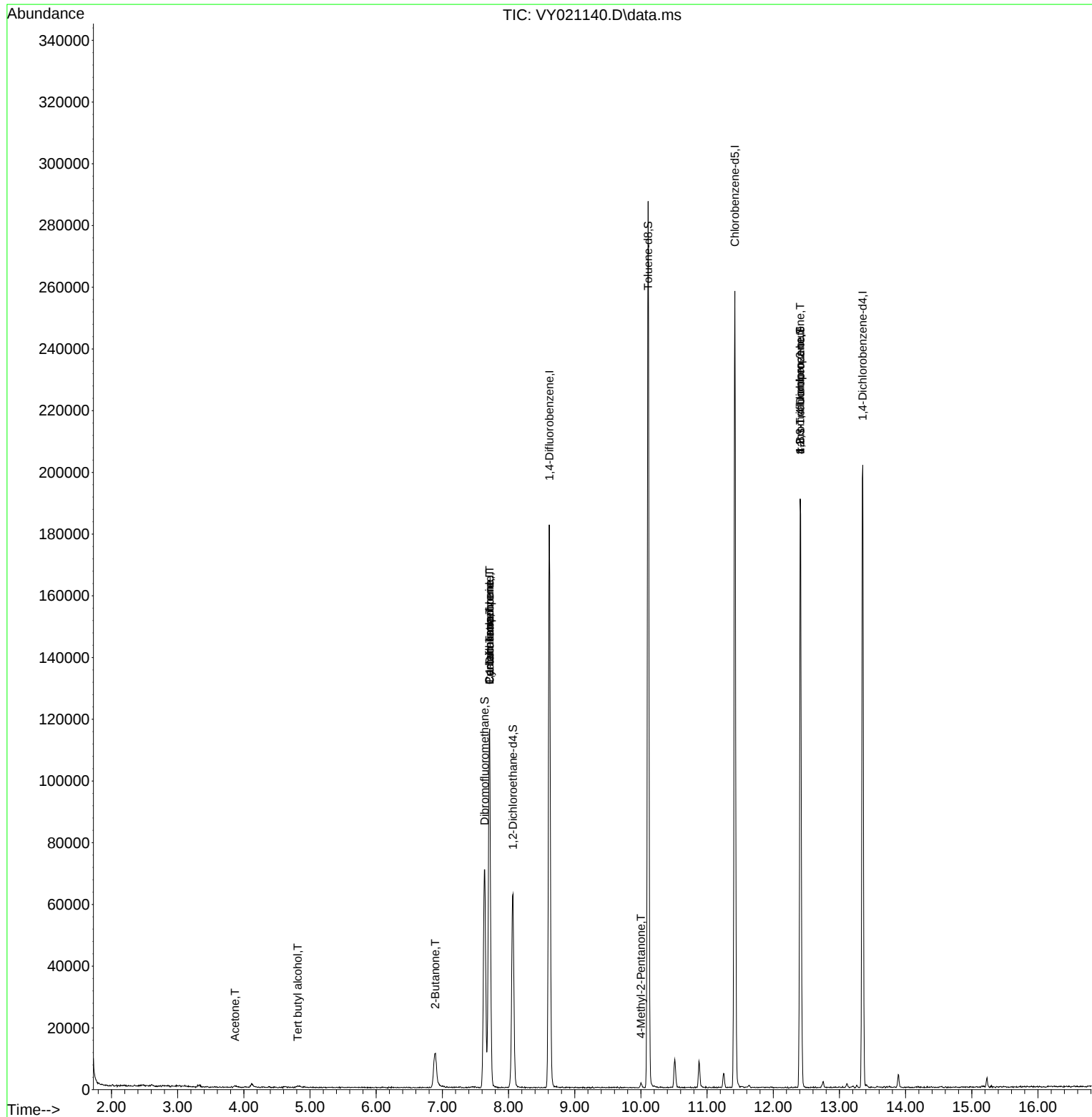
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 89245               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616          | 114  | 151045              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420         | 117  | 132991              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353         | 152  | 51947               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067          | 65   | 50849               | 55.610  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 111.220% |         |        |          |
| 35) Dibromofluoromethane      | 7.640          | 113  | 50559               | 52.231  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 104.460% |         |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 179410              | 48.684  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 97.360%  |         |        |          |
| 62) 4-Bromofluorobenzene      | 12.408         | 95   | 54297               | 45.099  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 90.200%  |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.811          | 59   | 316                 | 5.100   | ug/l # | 75       |
| 16) Acetone                   | 3.867          | 43   | 1069                | 7.497   | ug/l # | 65       |
| 25) 2-Butanone                | 6.890          | 43   | 677                 | 2.889   | ug/l # | 48       |
| 31) Cyclohexane               | 7.713          | 56   | 1821                | 1.168   | ug/l # | 2        |
| 36) 1,1-Dichloropropene       | 7.713          | 75   | 7277                | 5.075   | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.713          | 117  | 9220                | 5.503   | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.000         | 43   | 1032                | 1.642   | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.408         | 75   | 29789               | 63.216  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408         | 75   | 29789               | 128.992 | ug/l # | 12       |
| -----                         |                |      |                     |         |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020725\  
Data File : VY021140.D  
Acq On : 07 Feb 2025 15:26  
Operator : SY/MD  
Sample : Q1309-23  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

Quant Time: Feb 08 02:42:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

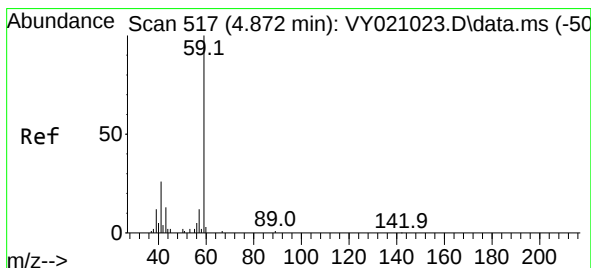
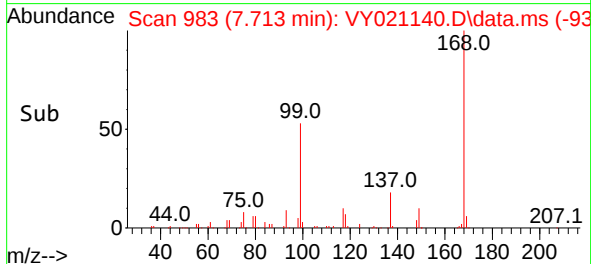
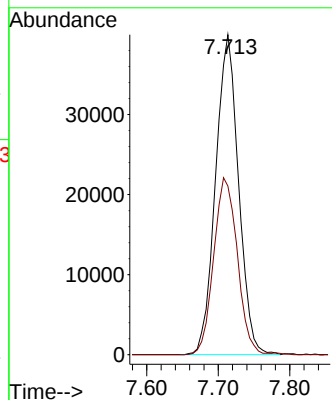
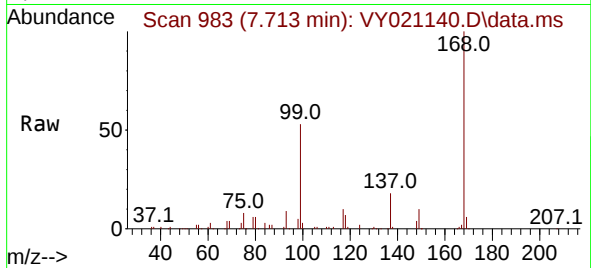




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

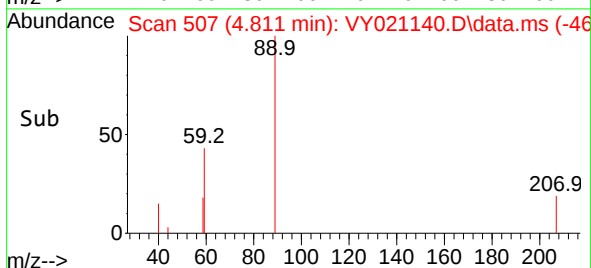
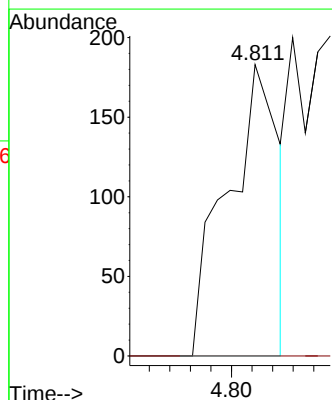
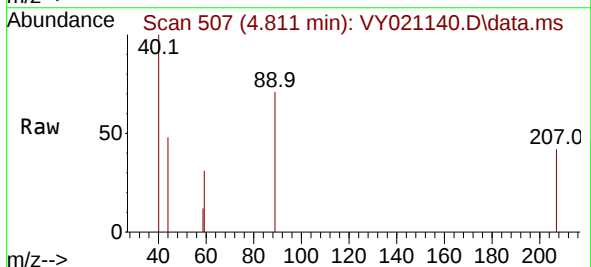
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

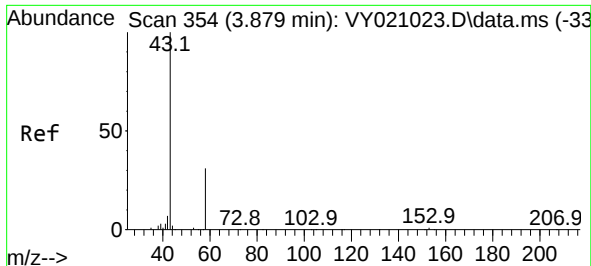
Tgt Ion:168 Resp: 89245  
Ion Ratio Lower Upper  
168 100  
99 52.7 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 5.100 ug/l  
RT: 4.811 min Scan# 507  
Delta R.T. -0.061 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Tgt Ion: 59 Resp: 316  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#

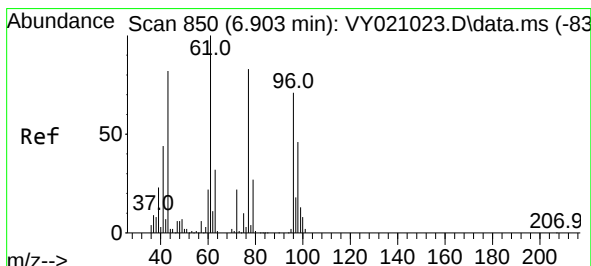
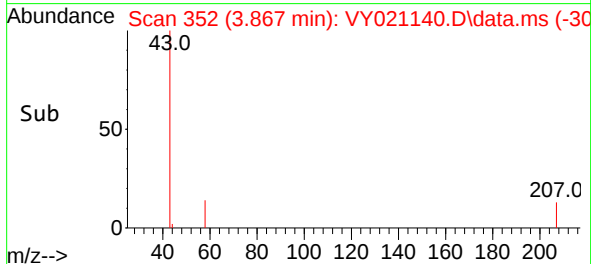
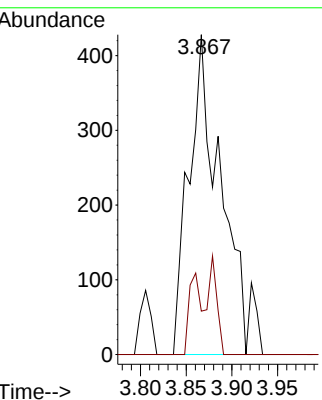
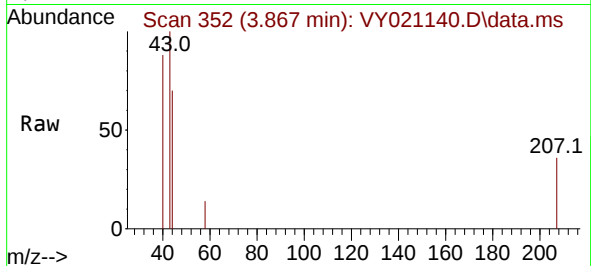




#16  
Acetone  
Concen: 7.497 ug/l  
RT: 3.867 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

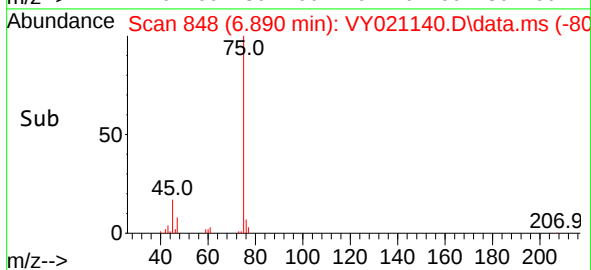
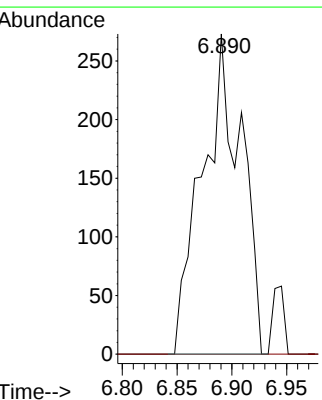
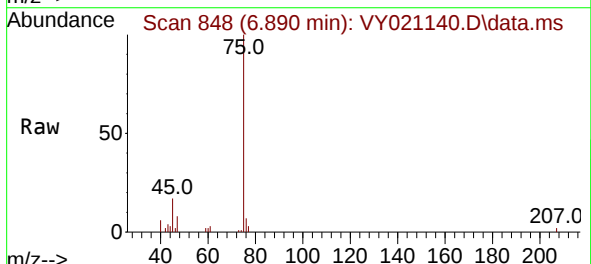
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

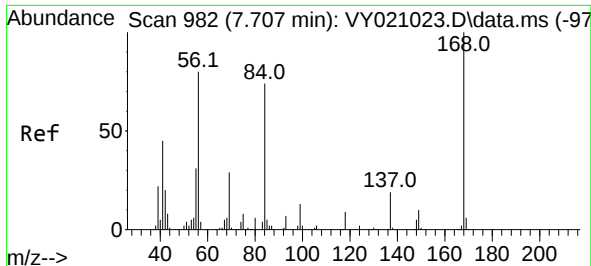
Tgt Ion: 43 Resp: 1069  
Ion Ratio Lower Upper  
43 100  
58 13.6 26.6 39.8#



#25  
2-Butanone  
Concen: 2.889 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. -0.012 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Tgt Ion: 43 Resp: 677  
Ion Ratio Lower Upper  
43 100  
72 0.0 21.4 32.2#

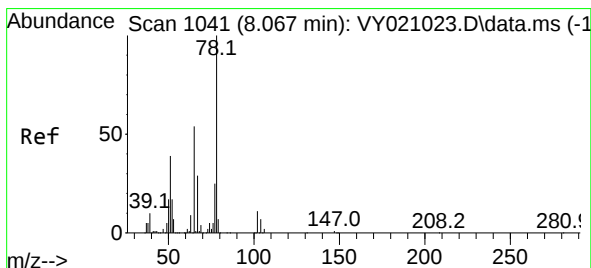
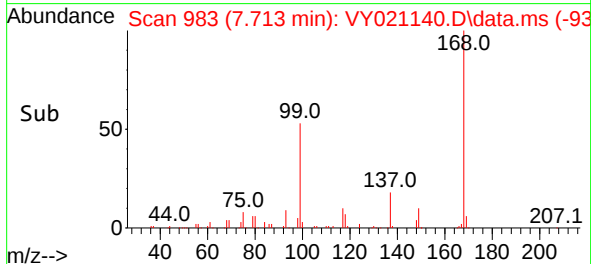
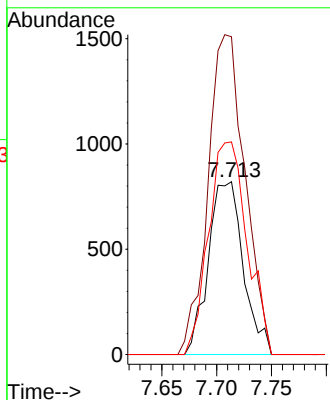
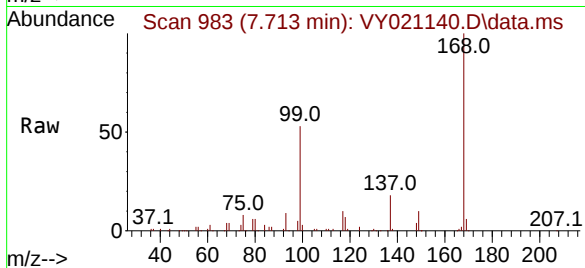




#31  
Cyclohexane  
Concen: 1.168 ug/l  
RT: 7.713 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

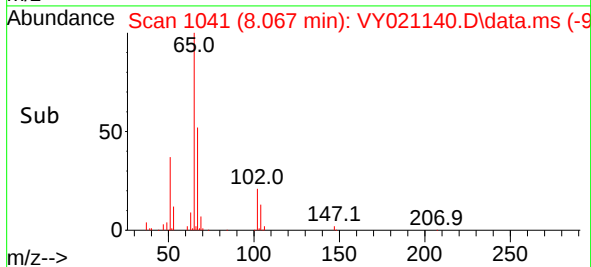
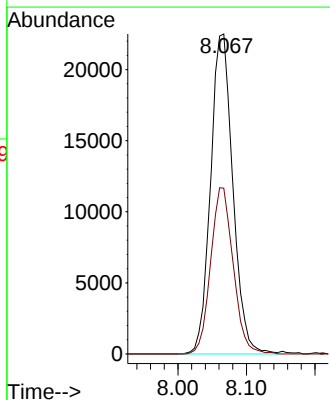
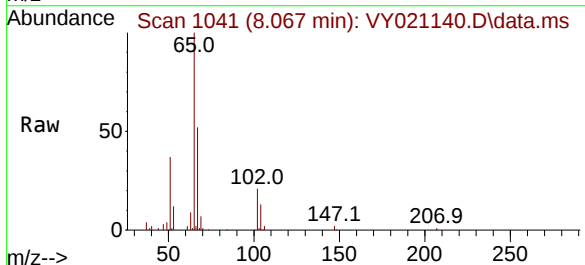
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

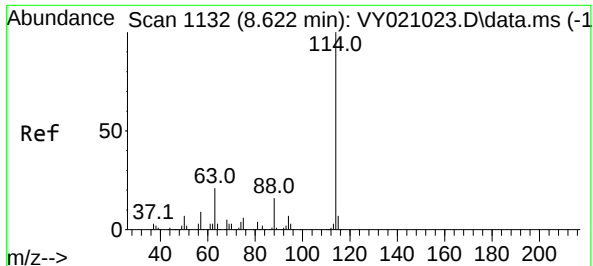
Tgt Ion: 56 Resp: 1821  
Ion Ratio Lower Upper  
56 100  
69 183.8 27.0 40.6#  
84 123.0 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 55.610 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Tgt Ion: 65 Resp: 50849  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021140.D

Acq: 07 Feb 2025 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

WC-8-VOC

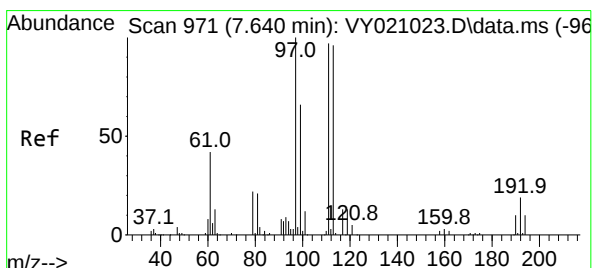
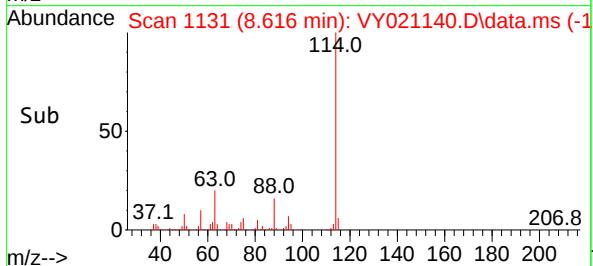
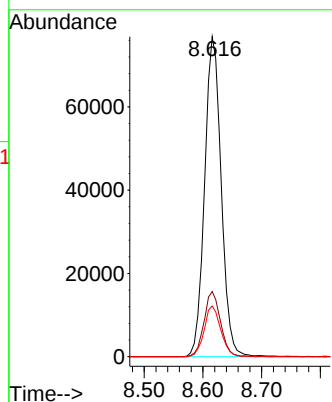
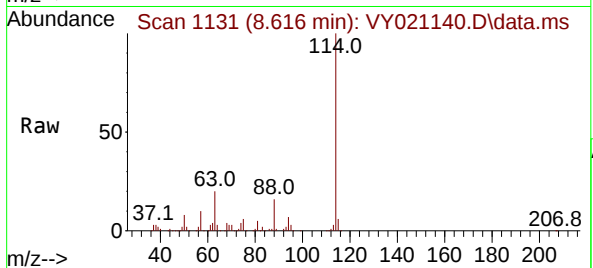
Tgt Ion:114 Resp: 151045

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.231 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021140.D

Acq: 07 Feb 2025 15:26

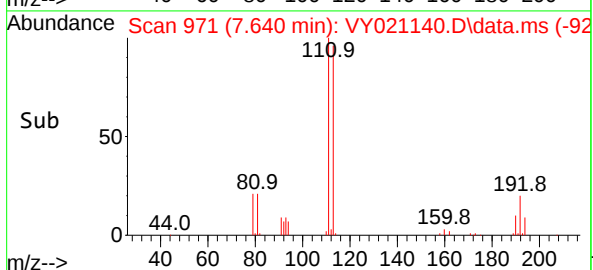
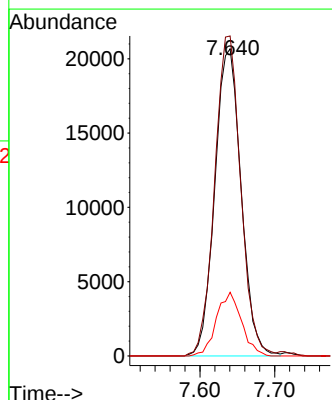
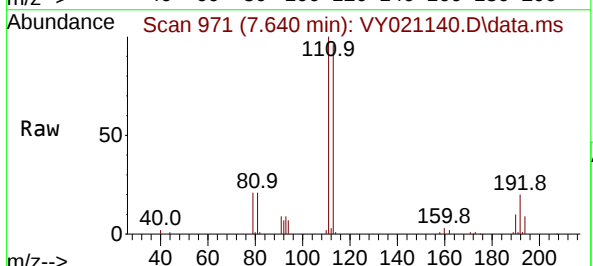
Tgt Ion:113 Resp: 50559

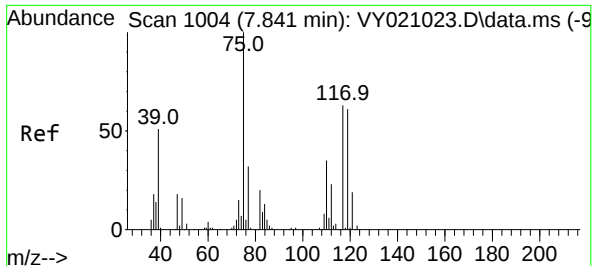
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 19.8 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.075 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021140.D

Acq: 07 Feb 2025 15:26

Instrument :

MSVOA\_Y

ClientSampleId :

WC-8-VOC

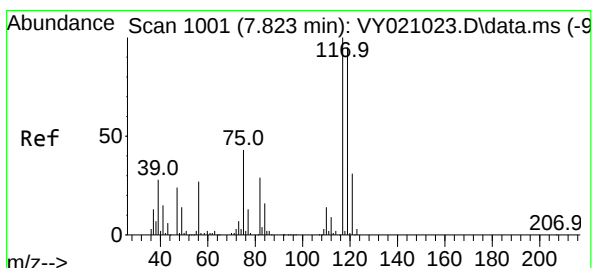
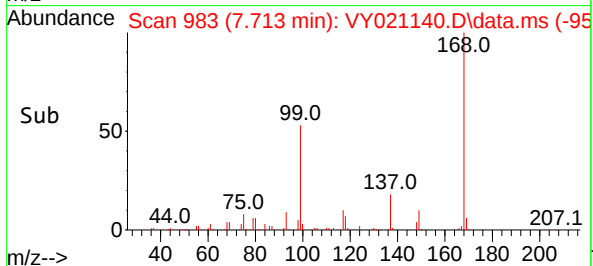
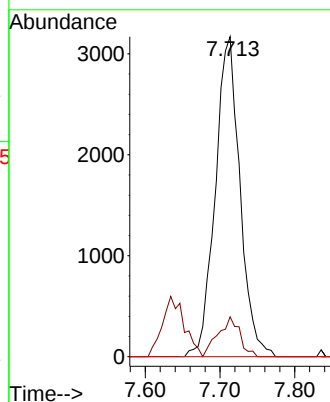
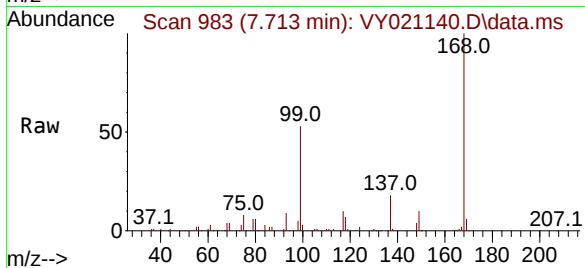
Tgt Ion: 75 Resp: 7277

Ion Ratio Lower Upper

75 100

110 10.9 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021140.D

Acq: 07 Feb 2025 15:26

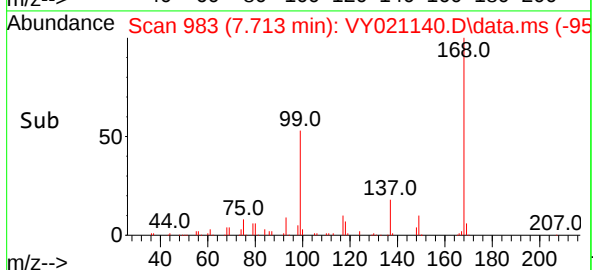
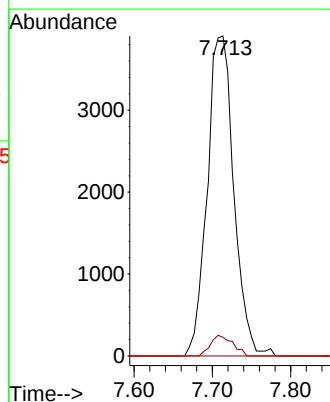
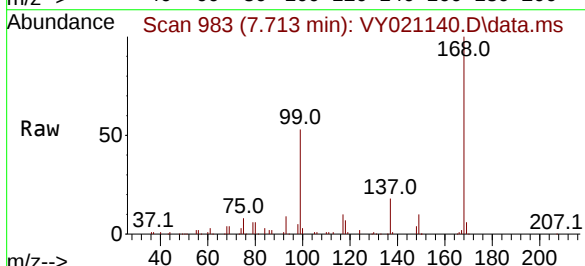
Tgt Ion: 117 Resp: 9220

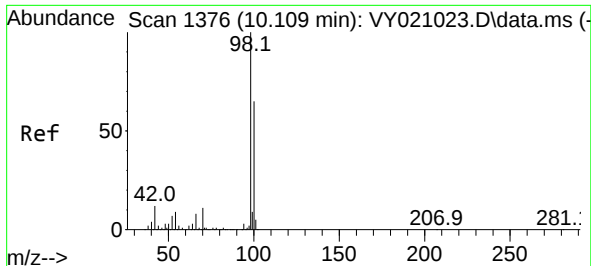
Ion Ratio Lower Upper

117 100

119 5.9 76.0 114.0#

121 0.0 24.2 36.2#

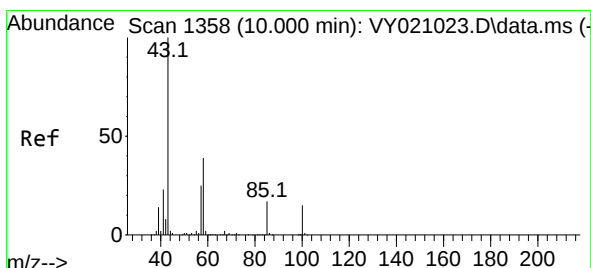
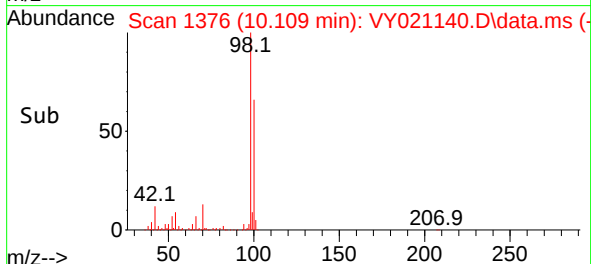
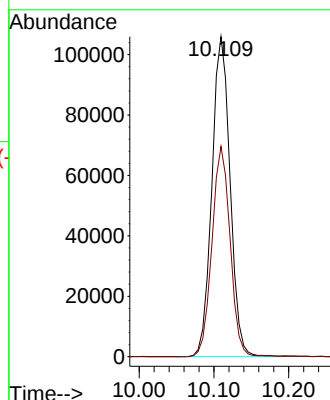
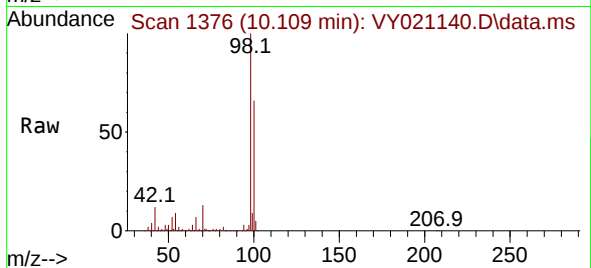




#50  
Toluene-d8  
Concen: 48.684 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

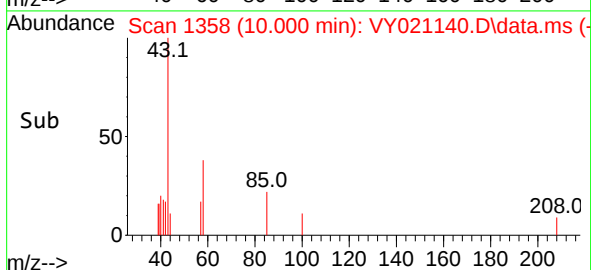
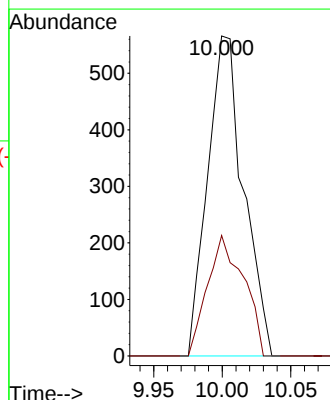
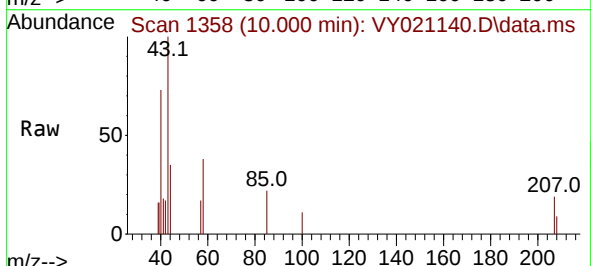
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

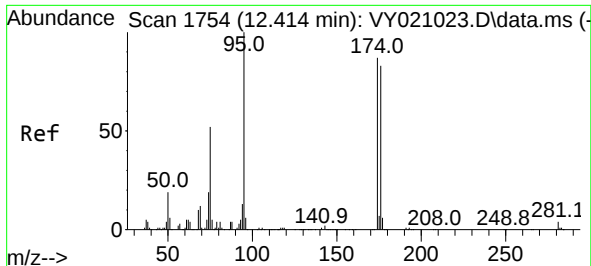
Tgt Ion: 98 Resp: 179410  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5



#51  
4-Methyl-2-Pentanone  
Concen: 1.642 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Tgt Ion: 43 Resp: 1032  
Ion Ratio Lower Upper  
43 100  
58 37.9 32.2 48.2

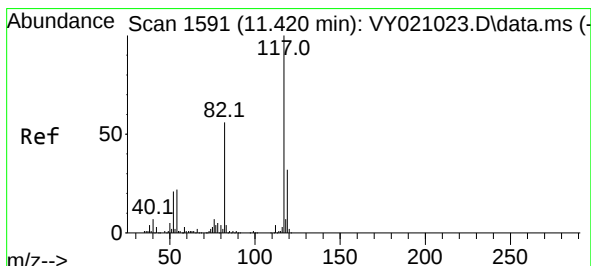
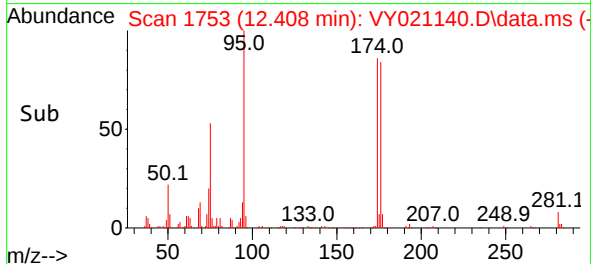
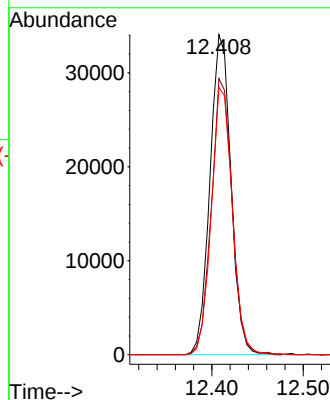
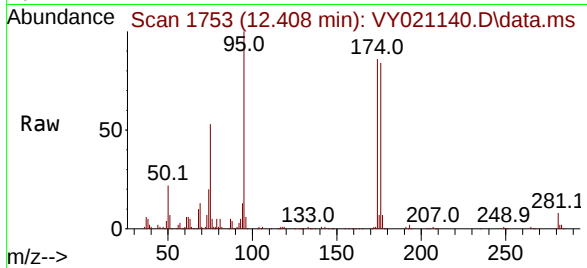




#62  
4-Bromofluorobenzene  
Concen: 45.099 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

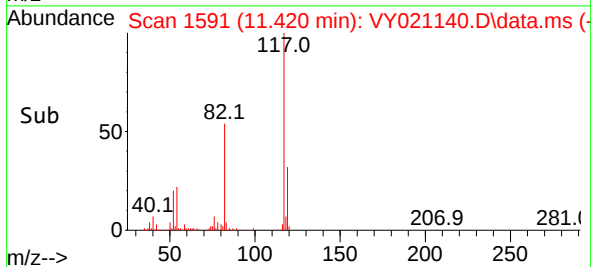
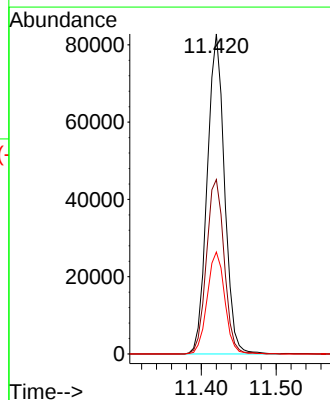
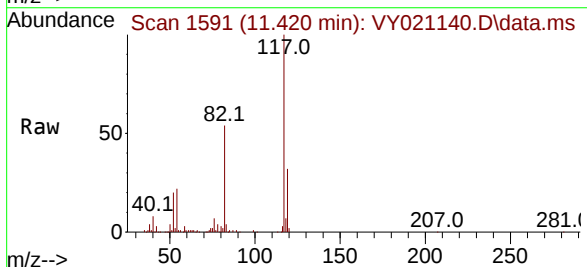
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC

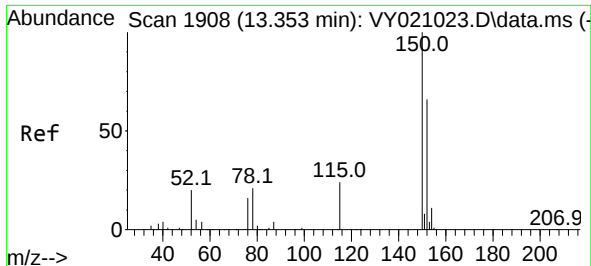
Tgt Ion: 95 Resp: 54297  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 160.0  
176 83.5 0.0 151.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Tgt Ion: 117 Resp: 132991  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.8 65.8  
119 31.9 26.5 39.7

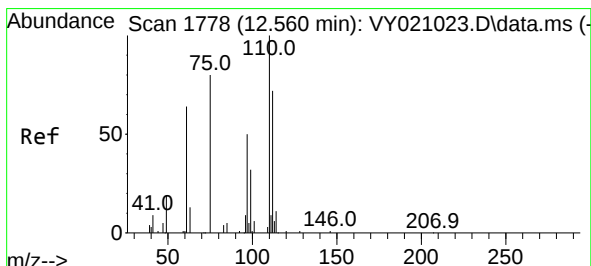
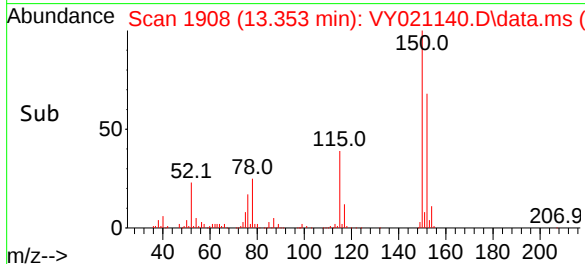
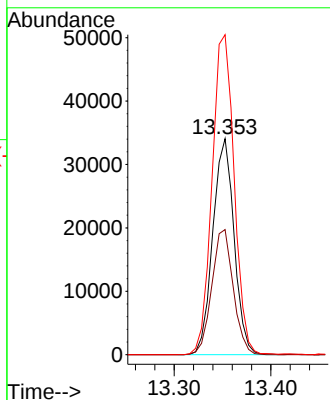
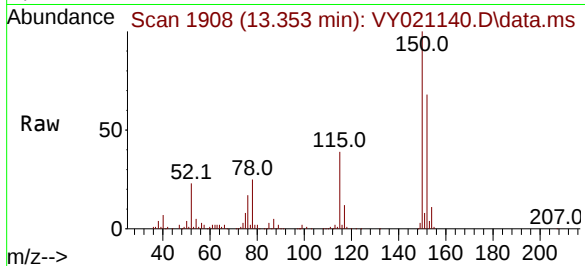




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.353 min Scan# 1908  
 Delta R.T. -0.000 min  
 Lab File: VY021140.D  
 Acq: 07 Feb 2025 15:26

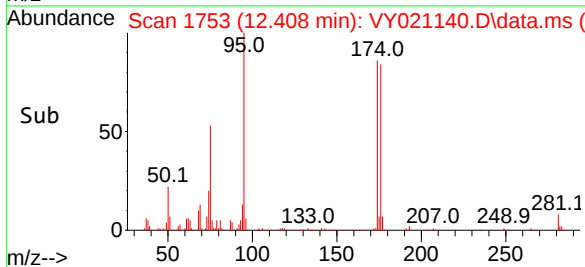
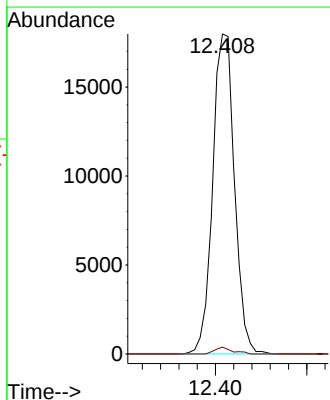
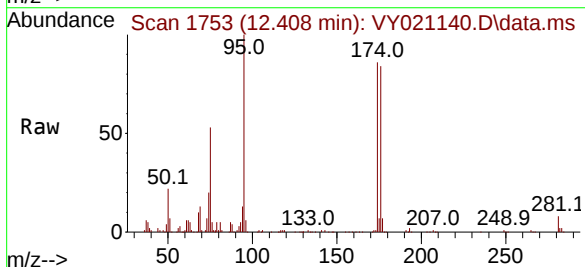
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-8-VOC

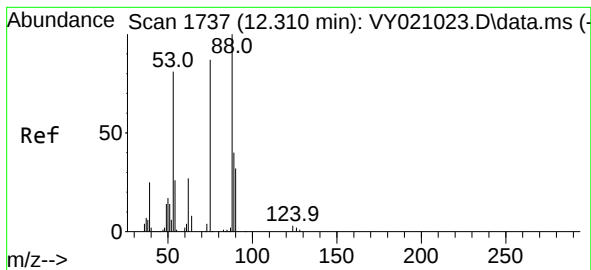
Tgt Ion:152 Resp: 51947  
 Ion Ratio Lower Upper  
 152 100  
 115 58.5 30.0 90.0  
 150 153.8 0.0 344.6



#76  
 1,2,3-Trichloropropane  
 Concen: 63.216 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.152 min  
 Lab File: VY021140.D  
 Acq: 07 Feb 2025 15:26

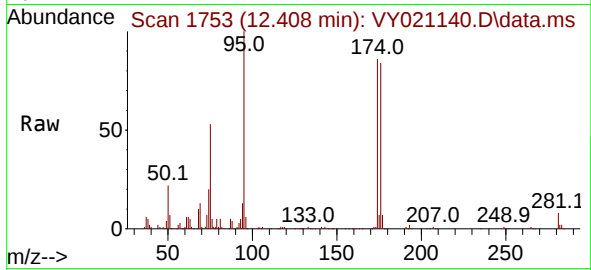
Tgt Ion: 75 Resp: 29789  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.992 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY021140.D  
Acq: 07 Feb 2025 15:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-8-VOC



Tgt Ion: 75 Resp: 29789  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.1 36.5 54.7#

