

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW090122\  
 Data File : VW027701.D  
 Acq On : 02 Sep 2022 05:54  
 Operator : SY/MD  
 Sample : N4402-15  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 03 04:13:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 02 03:03:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 133711   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 128844   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 56485    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 58312    | 4.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 53090    | 4.368    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 91738    | 3.227    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 64.600%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 67477    | 27.475   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 54.940%  |
| 24) Chloroform-d              | 4.346  | 84    | 123882   | 4.248    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 59444    | 4.551    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.000%  |
| 32) Benzene-d6                | 5.047  | 84    | 234558   | 4.444    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 70101    | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.800%  |
| 41) Toluene-d8                | 7.314  | 98    | 191130   | 4.182    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 19739    | 3.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 91173    | 48.210   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 43130    | 4.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 82.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 64573    | 5.106    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.240  | 50    | 1536     | 0.088    | ug/L   | 88       |
| 5) Vinyl chloride             | 1.311  | 62    | 2902     | 0.175    | ug/L # | 29       |
| 6) Bromomethane               | 1.523  | 94    | 544      | 0.070    | ug/L   | 89       |
| 8) Chloroethane               | 1.577  | 64    | 1179     | 0.127    | ug/L # | 52       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 1079     | 0.097    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 2.767  | 96    | 547      | 0.043    | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96    | 130179   | 10.310   | ug/L   | 91       |
| 34) Trichloroethene           | 5.915  | 95    | 39970    | 3.236    | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.066  | 83    | 17770    | 0.927    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 8237     | 0.649    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75    | 1694     | 0.109    | ug/L # | 66       |
| 47) Tetrachloroethene         | 7.973  | 164   | 793303   | 79.202   | ug/L   | 99       |
| 49) Dibromochloromethane      | 7.973  | 129   | 744165   | 76.733   | ug/L # | 12       |
| 53) m,p-Xylene                | 9.146  | 106   | 1326     | 0.068    | ug/L   | 85       |
| 61) 1,2,3-Trichloropropane    | 11.243 | 75    | 6384     | 1.117    | ug/L # | 66       |
| 62) 1,3,5-Trimethylbenzene    | 10.928 | 105   | 584      | 0.050    | ug/L # | 59       |
| -----                         |        |       |          |          |        |          |

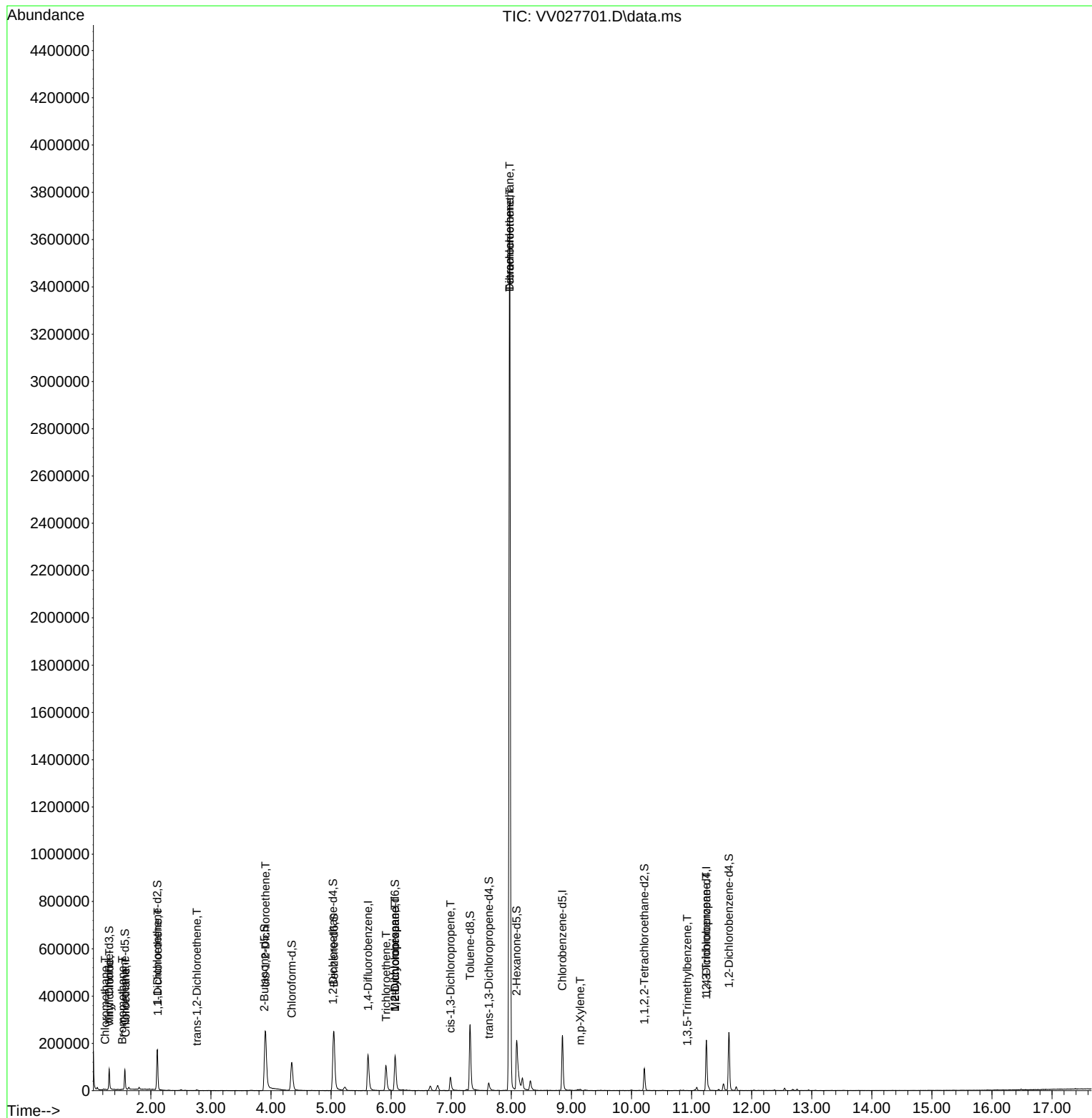
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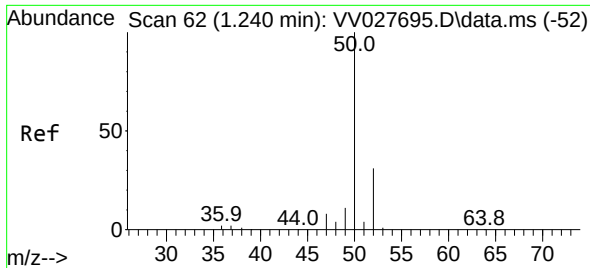
Instrument :  
MSVOA\_V  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV090122\  
Data File : VV027701.D  
Acq On : 02 Sep 2022 05:54  
Operator : SY/MD  
Sample : N4402-15  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 03 04:13:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 02 03:03:49 2022  
Response via : Initial Calibration

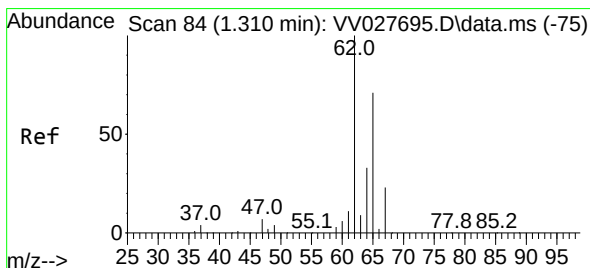
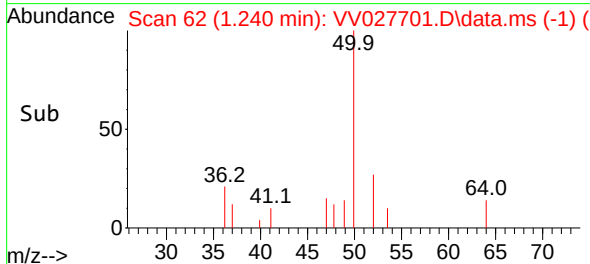
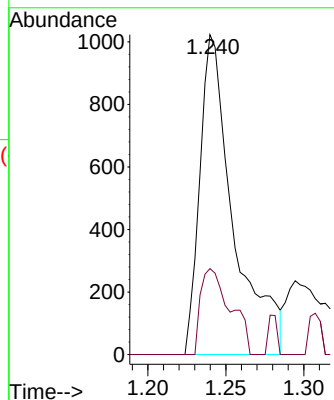
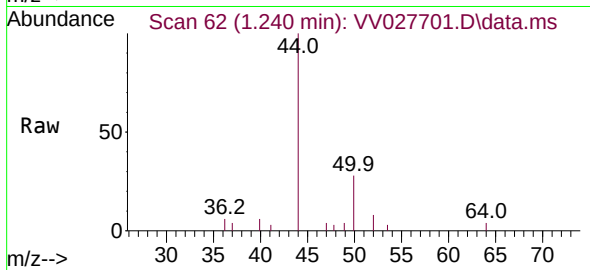




#3  
Chloromethane  
Concen: 0.088 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

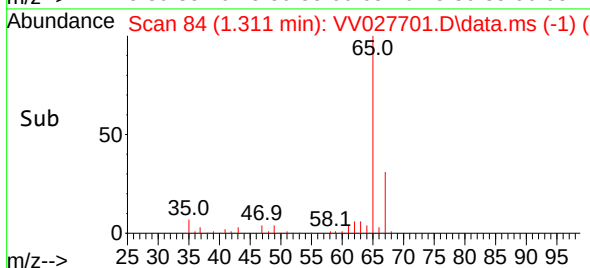
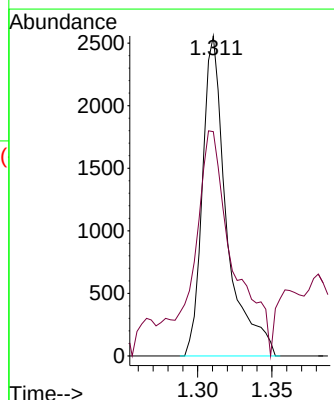
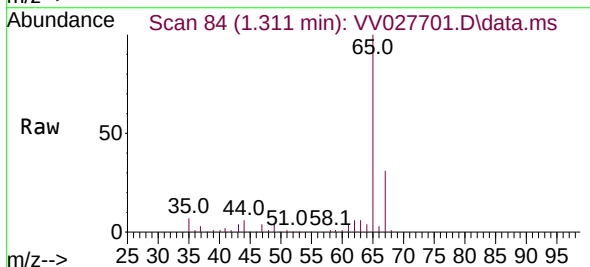
Instrument :  
MSVOA\_V  
ClientSampleId :

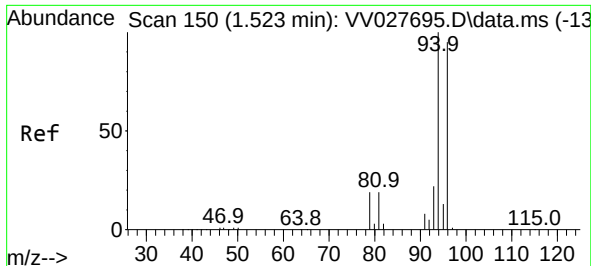
Tgt Ion: 50 Resp: 1536  
Ion Ratio Lower Upper  
50 100  
52 26.9 23.5 43.7



#5  
Vinyl chloride  
Concen: 0.175 ug/L  
RT: 1.311 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

Tgt Ion: 62 Resp: 2902  
Ion Ratio Lower Upper  
62 100  
64 70.1 21.8 40.4#

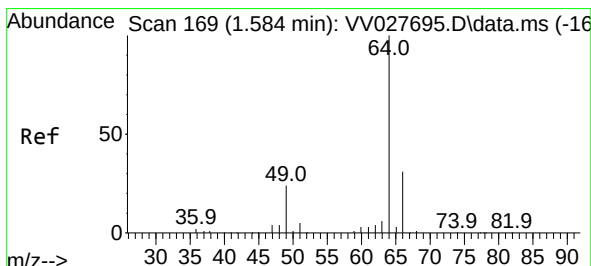
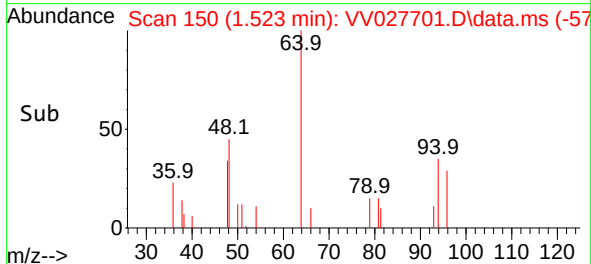
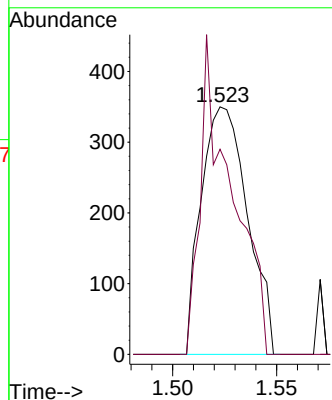
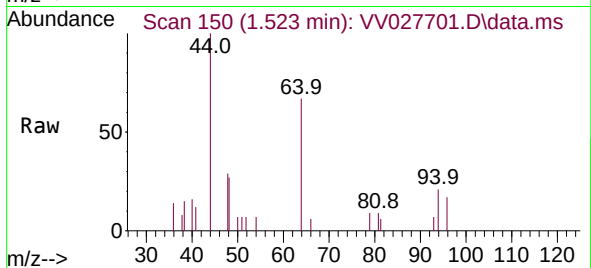




#6  
Bromomethane  
Concen: 0.070 ug/L  
RT: 1.523 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

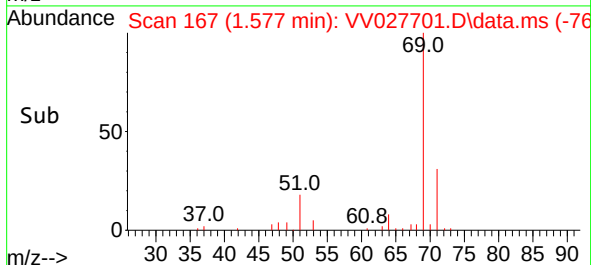
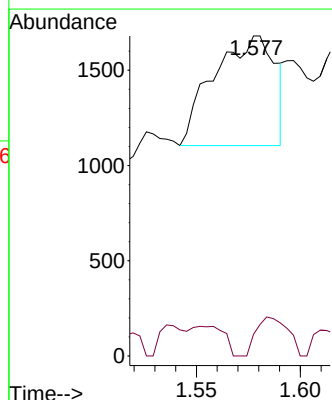
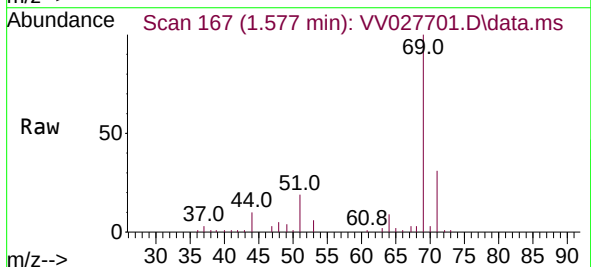
Instrument :  
MSVOA\_V  
ClientSampleId :

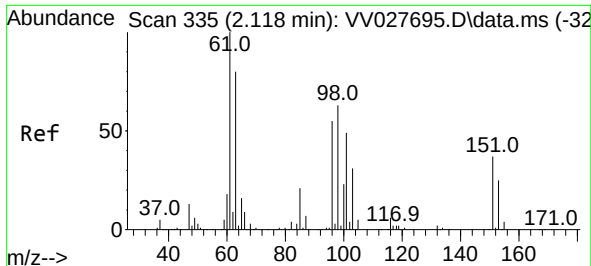
Tgt Ion: 94 Resp: 544  
Ion Ratio Lower Upper  
94 100  
96 82.9 65.1 120.9



#8  
Chloroethane  
Concen: 0.127 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. -0.006 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

Tgt Ion: 64 Resp: 1179  
Ion Ratio Lower Upper  
64 100  
66 6.8 24.0 44.6#





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

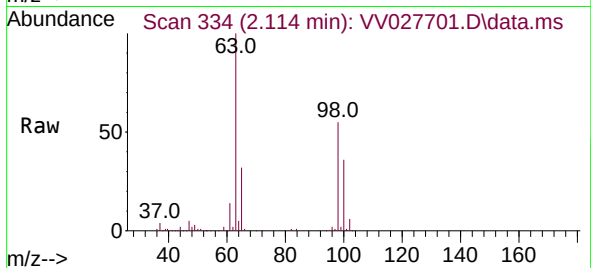
Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Instrument :

MSVOA\_V

ClientSampleId :



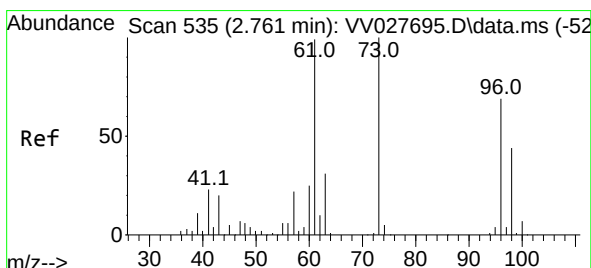
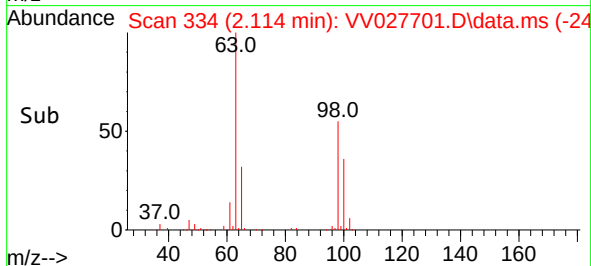
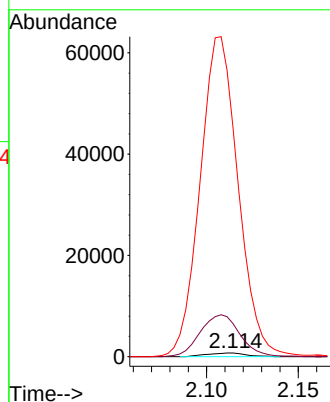
Tgt Ion: 96 Resp: 1079

Ion Ratio Lower Upper

96 100

61 909.2 134.3 249.3#

63 6288.9 105.7 196.3#



#18

trans-1,2-Dichloroethene

Concen: 0.043 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.006 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

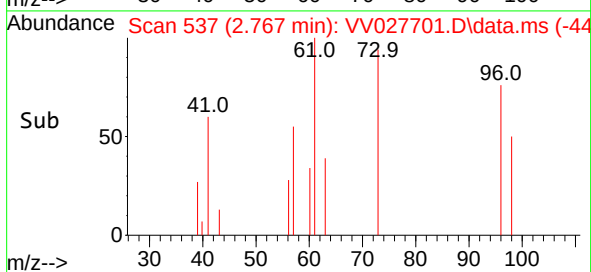
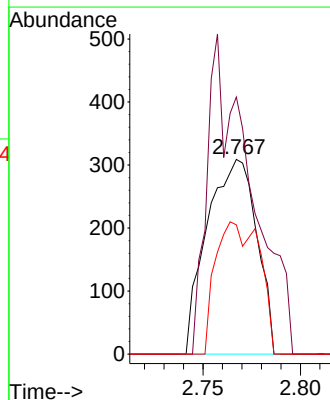
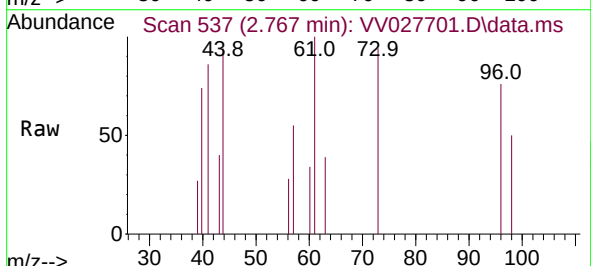
Tgt Ion: 96 Resp: 547

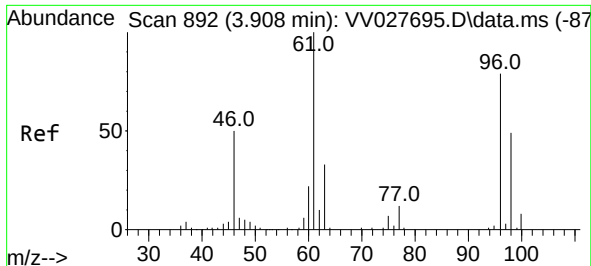
Ion Ratio Lower Upper

96 100

61 132.0 101.8 189.0

98 66.3 44.9 83.3





#22

cis-1,2-Dichloroethene

Concen: 10.310 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Instrument :

MSVOA\_V

ClientSampleId :

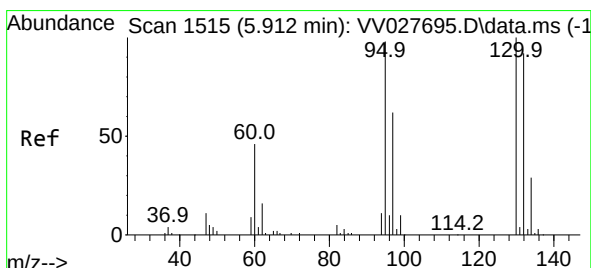
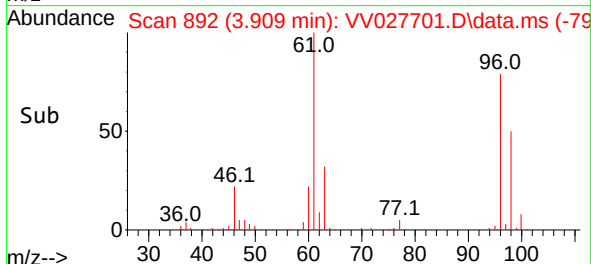
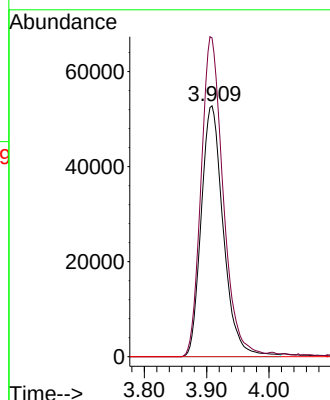
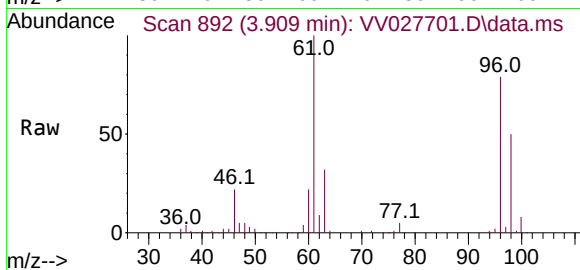
Tgt Ion: 96 Resp: 130179

Ion Ratio Lower Upper

96 100

61 127.0 96.9 180.1

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 3.236 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Tgt Ion: 95 Resp: 39970

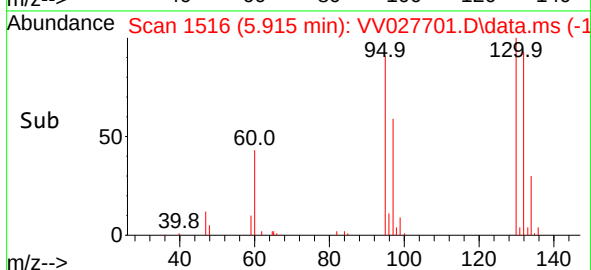
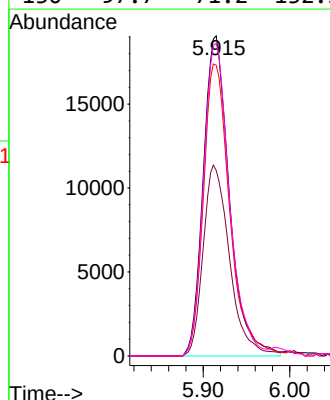
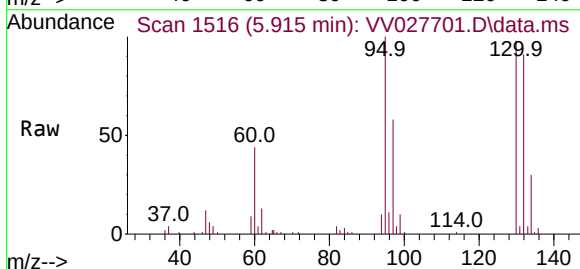
Ion Ratio Lower Upper

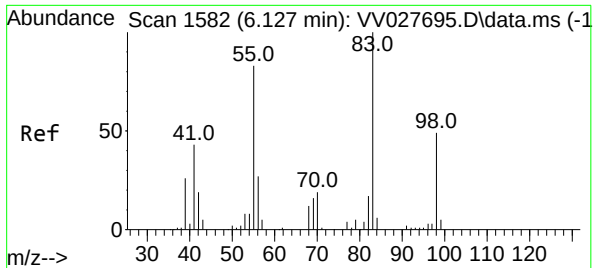
95 100

97 58.0 46.1 85.5

132 90.8 67.3 125.1

130 97.7 71.2 132.2

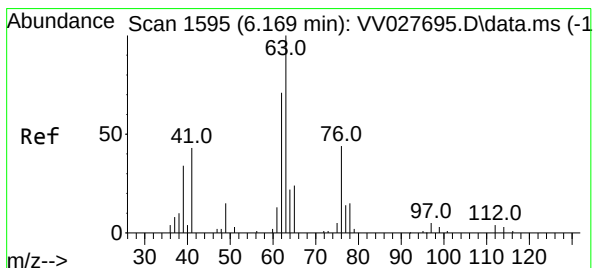
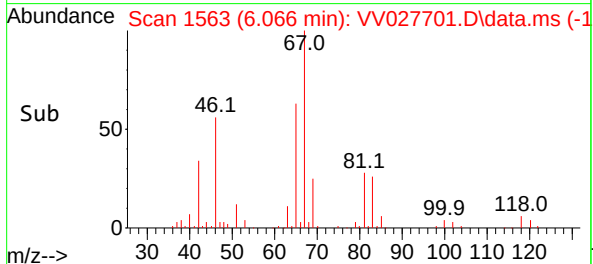
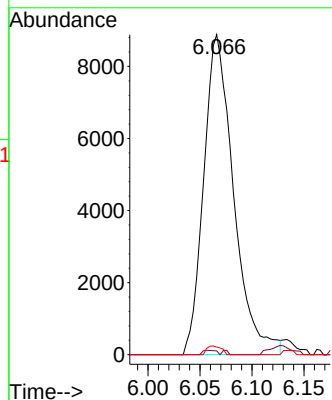
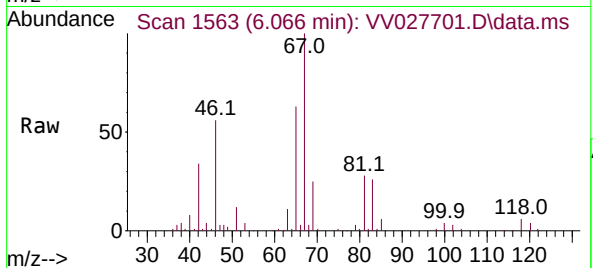




#35  
Methylcyclohexane  
Concen: 0.927 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.061 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

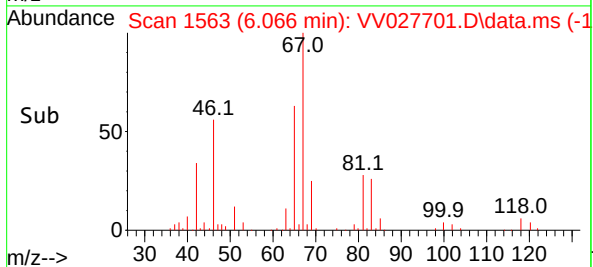
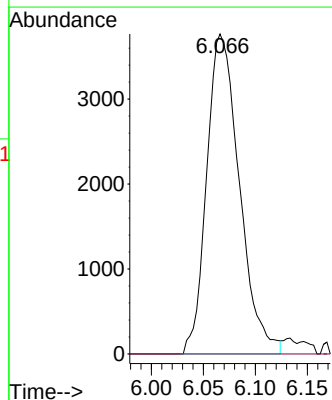
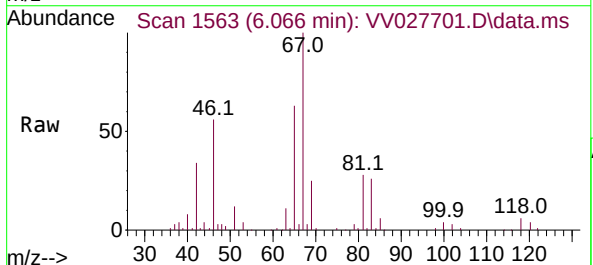
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 83 Resp: 17770  
Ion Ratio Lower Upper  
83 100  
55 0.6 66.0 99.0#  
98 1.3 36.9 55.3#

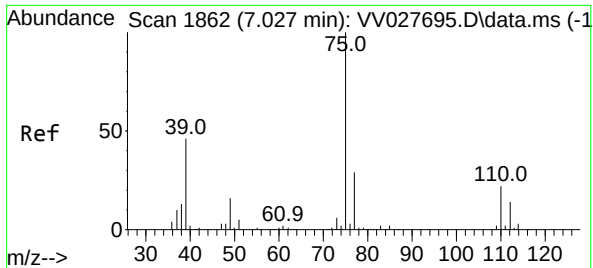


#37  
1,2-Dichloropropane  
Concen: 0.649 ug/L  
RT: 6.066 min Scan# 1563  
Delta R.T. -0.103 min  
Lab File: VV027701.D  
Acq: 02 Sep 2022 05:54

Tgt Ion: 63 Resp: 8237  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.9 4.3#







#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Instrument :

MSVOA\_V

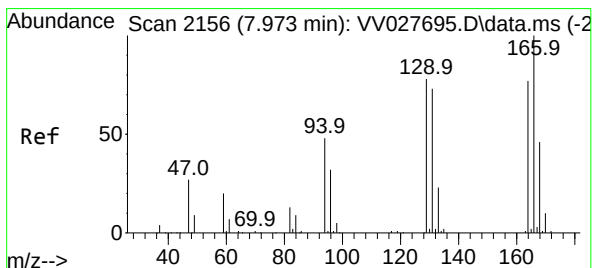
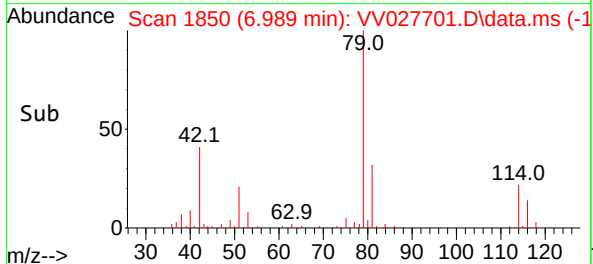
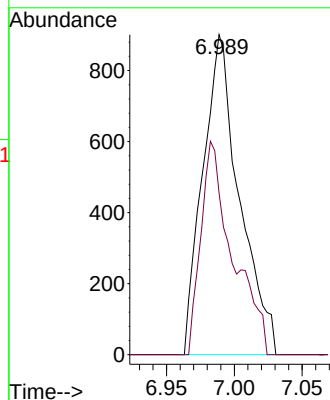
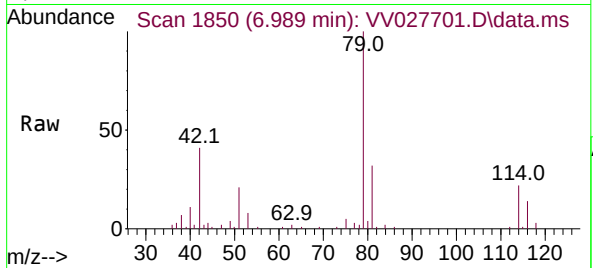
ClientSampleId :

Tgt Ion: 75 Resp: 1694

Ion Ratio Lower Upper

75 100

77 50.5 22.3 41.3#



#47

Tetrachloroethene

Concen: 79.202 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Tgt Ion: 164 Resp: 793303

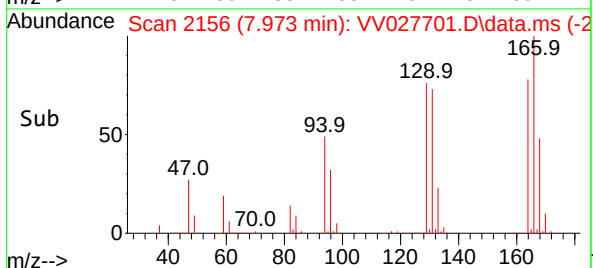
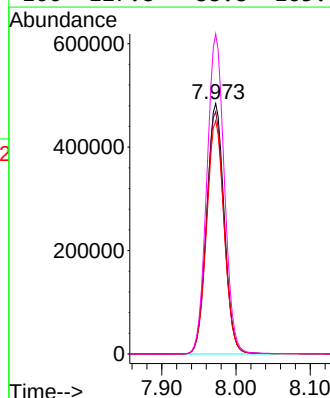
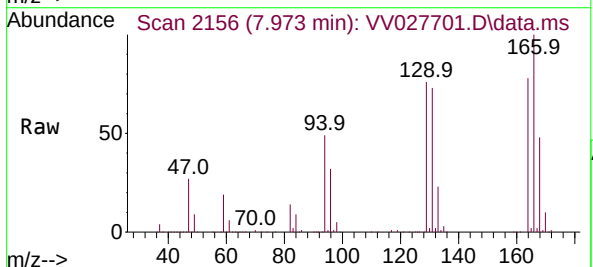
Ion Ratio Lower Upper

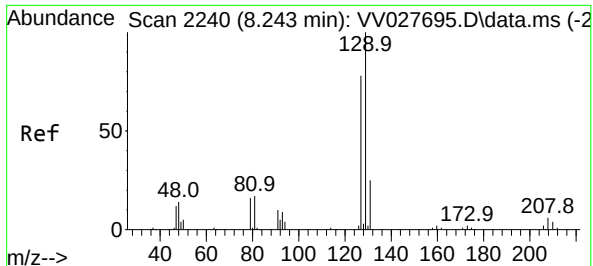
164 100

129 96.7 65.9 122.3

131 93.1 64.5 119.7

166 127.8 88.8 165.0





#49

Dibromochloromethane

Concen: 76.733 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027701.D

Acq: 02 Sep 2022 05:54

Instrument :

MSVOA\_V

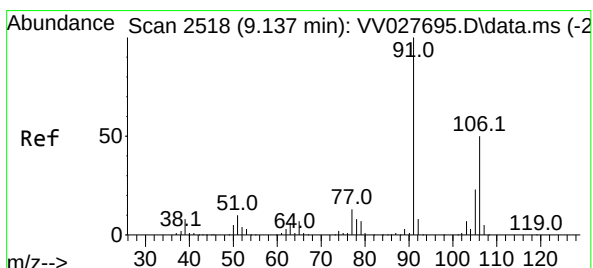
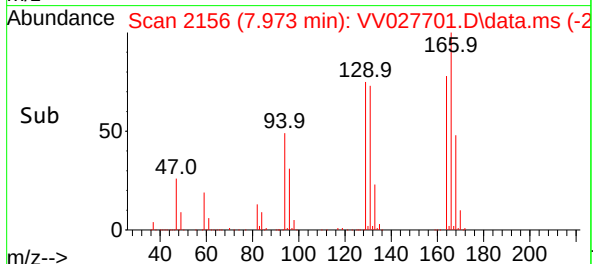
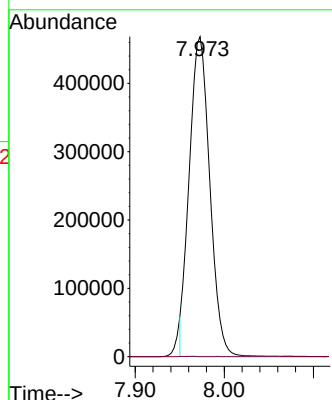
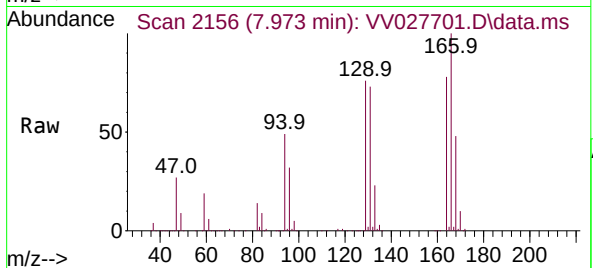
ClientSampleId :

Tgt Ion:129 Resp: 744165

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#



#53

m,p-Xylene

Concen: 0.068 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.010 min

Lab File: VV027701.D

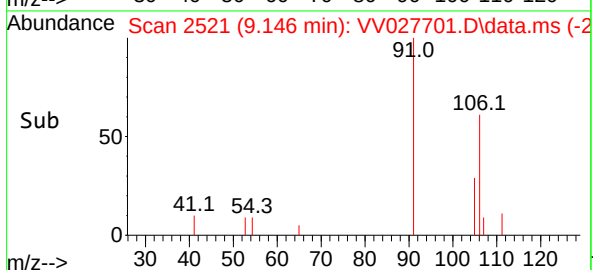
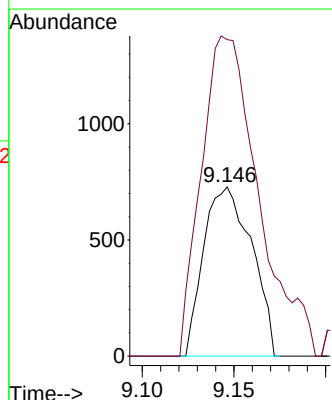
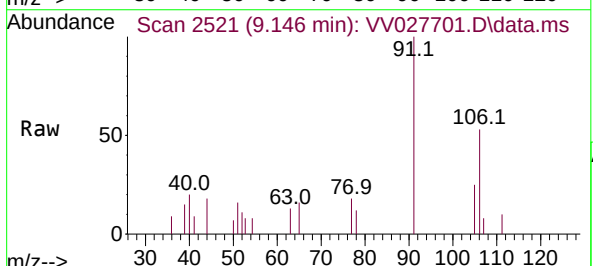
Acq: 02 Sep 2022 05:54

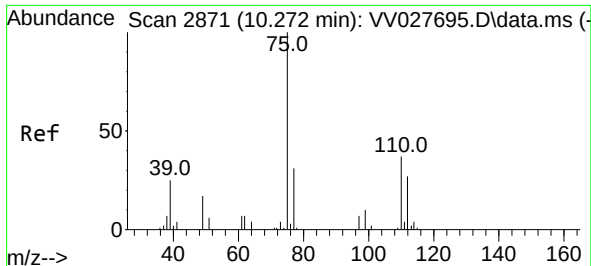
Tgt Ion:106 Resp: 1326

Ion Ratio Lower Upper

106 100

91 187.1 147.3 273.5

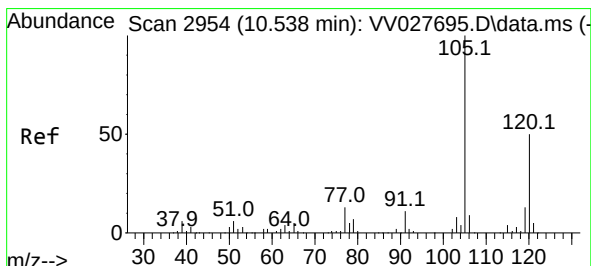
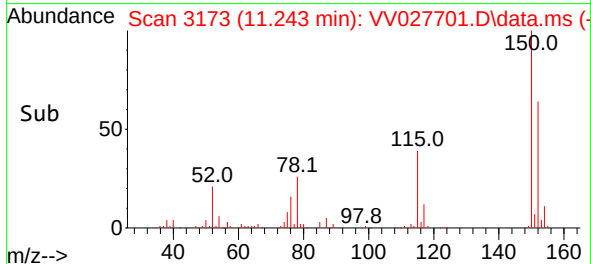
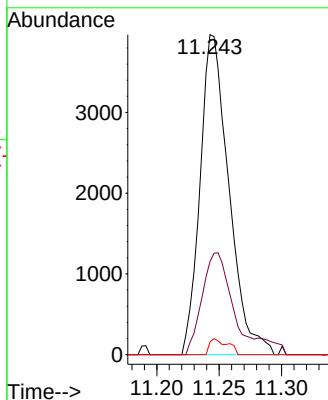
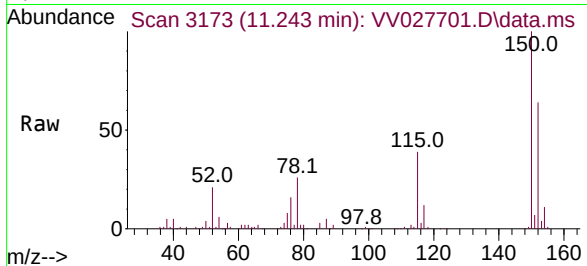




#61  
 1,2,3-Trichloropropane  
 Concen: 1.117 ug/L  
 RT: 11.243 min Scan# 3173  
 Delta R.T. 0.971 min  
 Lab File: VV027701.D  
 Acq: 02 Sep 2022 05:54

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 75 Resp: 6384  
 Ion Ratio Lower Upper  
 75 100  
 77 36.3 25.8 38.6  
 110 3.1 29.8 44.8#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.050 ug/L  
 RT: 10.928 min Scan# 3075  
 Delta R.T. 0.389 min  
 Lab File: VV027701.D  
 Acq: 02 Sep 2022 05:54

Tgt Ion: 105 Resp: 584  
 Ion Ratio Lower Upper  
 105 100  
 120 22.1 40.4 60.6#

