

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100423\  
 Data File : VW032221.D  
 Acq On : 04 Oct 2023 11:27  
 Operator : SY/MD  
 Sample : 04708-07  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 05 01:39:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 05 01:37:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 110211   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 105822   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 52844    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 42834    | 4.779    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.600%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 33815    | 4.648    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 16373    | 4.331    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.600%  |
| 20) 2-Butanone-d5             | 3.805  | 46    | 98439    | 43.414   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 86.820%  |
| 24) Chloroform-d              | 4.256  | 84    | 69144    | 4.373    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 34731    | 4.637    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 32) Benzene-d6                | 4.963  | 84    | 142239   | 4.568    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 46496    | 4.507    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 122619   | 4.306    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.200%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 15509    | 4.242    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.800%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 75690    | 44.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84    | 31848    | 4.414    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 88.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 47303    | 4.824    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.281  | 62    | 364504   | 30.868   | ug/L   | 99       |
| 8) Chloroethane               | 1.281  | 64    | 117499   | 16.528   | ug/L # | 44       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 129657   | 16.041   | ug/L # | 75       |
| 16) Methylene chloride        | 2.449  | 84    | 77379    | 7.343    | ug/L   | 95       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 65165    | 7.039    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 138634   | 13.907   | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.043  | 62    | 136397   | 13.511   | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97    | 80028    | 5.562    | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.741  | 117   | 42254    | 3.471    | ug/L   | 98       |
| 33) Benzene                   | 5.014  | 78    | 127670   | 3.427    | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95    | 80793    | 7.944    | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63    | 67980    | 6.823    | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.915  | 75    | 1069     | 0.075    | ug/L # | 79       |
| 42) Toluene                   | 7.320  | 91    | 170726   | 4.299    | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97    | 34064    | 4.846    | ug/L   | 100      |
| 47) Tetrachloroethene         | 7.908  | 164   | 111185   | 14.415   | ug/L   | 100      |
| 49) Dibromochloromethane      | 7.908  | 129   | 102704   | 14.035   | ug/L # | 8        |
| 51) Chlorobenzene             | 8.818  | 112   | 246293   | 9.632    | ug/L   | 100      |
| 52) Ethylbenzene              | 8.950  | 91    | 382362   | 8.645    | ug/L   | 99       |

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 ClientSampleId :

Quant Time: Oct 05 01:39:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 05 01:37:52 2023  
 Response via : Initial Calibration

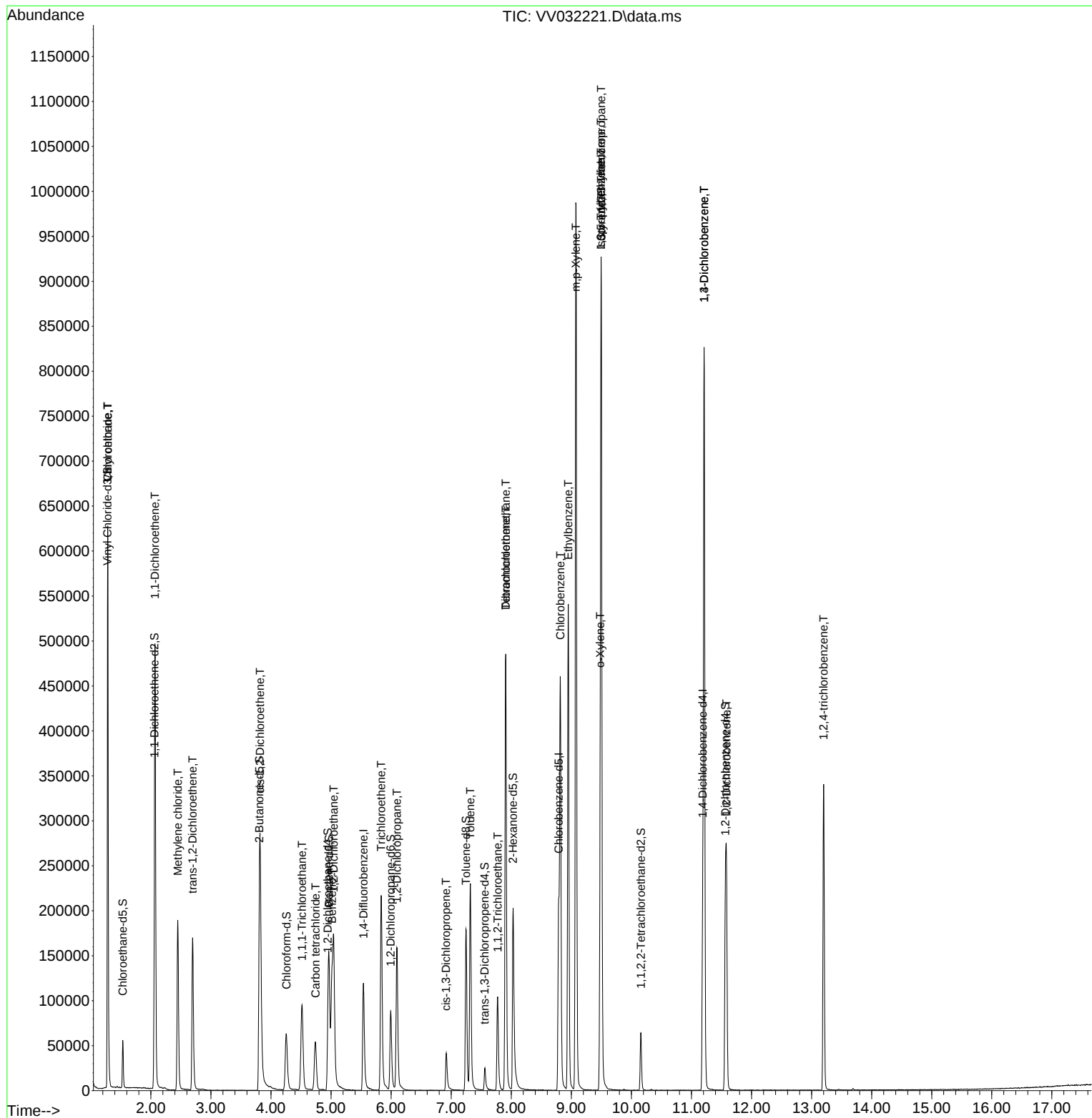
| Compound                   | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|--------|------|----------|--------|--------|----------|
| -----                      |        |      |          |        |        |          |
| 53) m,p-Xylene             | 9.079  | 106  | 268465   | 16.367 | ug/L   | 97       |
| 54) o-Xylene               | 9.480  | 106  | 65724    | 4.158  | ug/L   | 97       |
| 55) Styrene                | 9.500  | 104  | 409755   | 15.351 | ug/L   | 98       |
| 60) Isopropylbenzene       | 9.493  | 105  | 61145    | 1.489  | ug/L # | 1        |
| 61) 1,2,3-Trichloropropane | 9.497  | 75   | 19277    | 3.427  | ug/L # | 1        |
| 62) 1,3,5-Trimethylbenzene | 9.493  | 105  | 61145    | 1.827  | ug/L # | 27       |
| 64) 1,3-Dichlorobenzene    | 11.210 | 146  | 313650   | 15.986 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene    | 11.210 | 146  | 313650   | 15.935 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene    | 11.583 | 146  | 91071    | 5.090  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene | 13.201 | 180  | 100182   | 7.861  | ug/L   | 99       |
| -----                      |        |      |          |        |        |          |

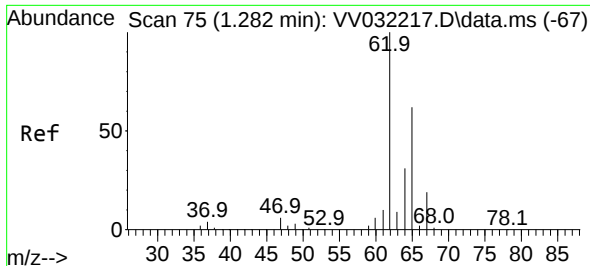
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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 05 01:37:52 2023  
Response via : Initial Calibration

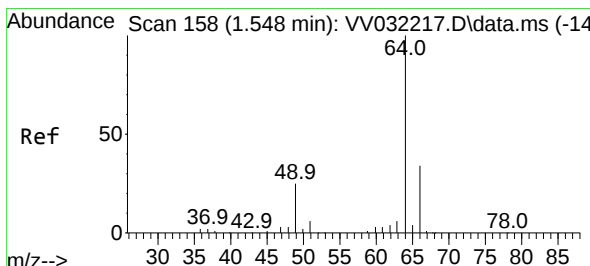
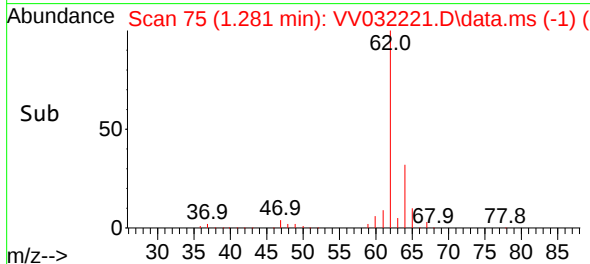
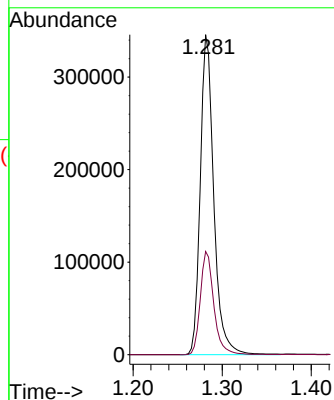
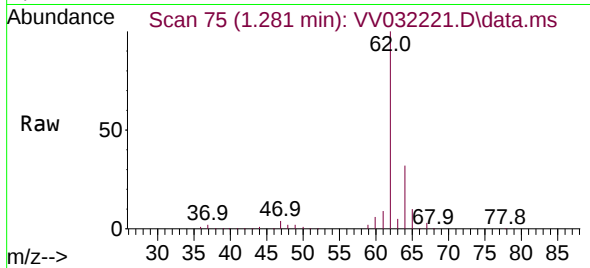




#5  
 Vinyl chloride  
 Concen: 30.868 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV032221.D  
 Acq: 04 Oct 2023 11:27

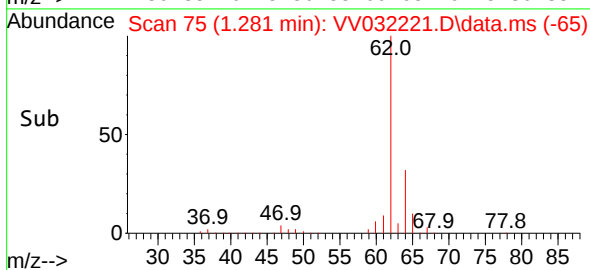
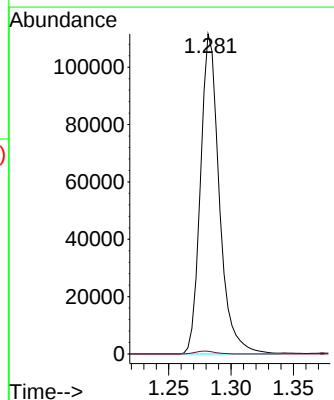
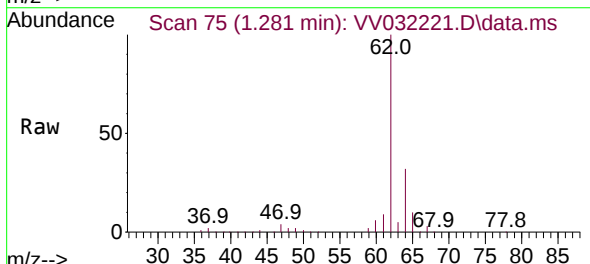
Instrument :  
 MSVOA\_V  
 ClientSampleId :

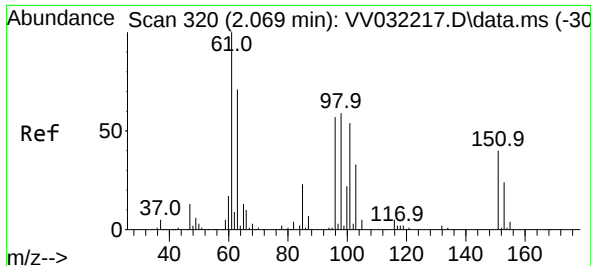
Tgt Ion: 62 Resp: 364504  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 23.1 42.9



#8  
 Chloroethane  
 Concen: 16.528 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.267 min  
 Lab File: VV032221.D  
 Acq: 04 Oct 2023 11:27

Tgt Ion: 64 Resp: 117499  
 Ion Ratio Lower Upper  
 64 100  
 66 0.8 22.6 42.0#





#12

1,1-Dichloroethene

Concen: 16.041 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

ClientSampleId :

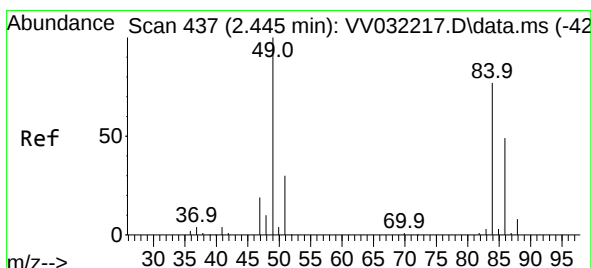
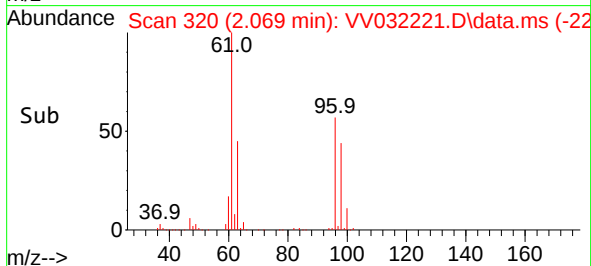
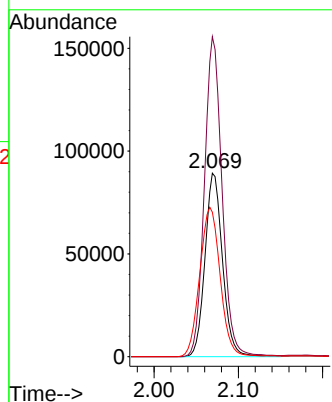
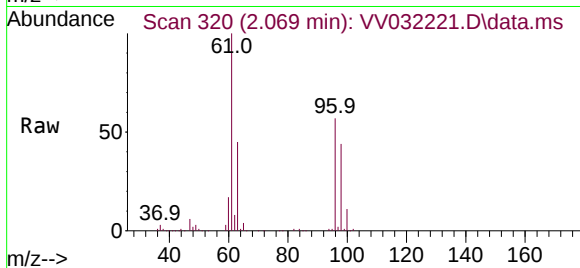
Tgt Ion: 96 Resp: 129657

Ion Ratio Lower Upper

96 100

61 174.4 127.3 236.3

63 78.7 98.3 182.7#



#16

Methylene chloride

Concen: 7.343 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

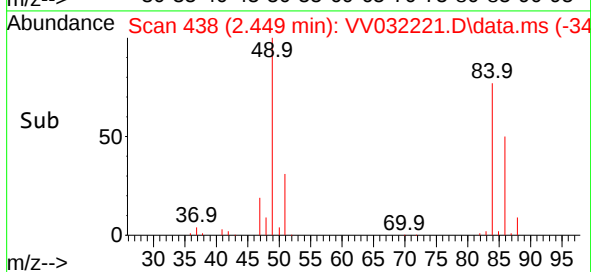
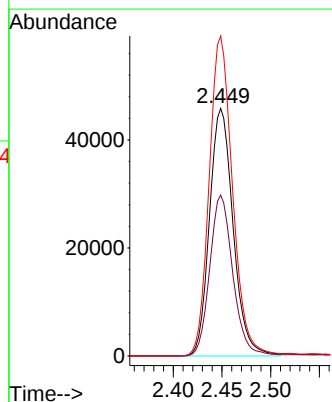
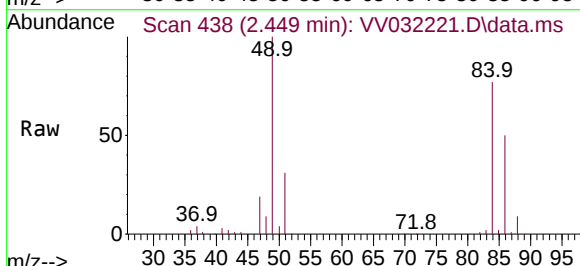
Tgt Ion: 84 Resp: 77379

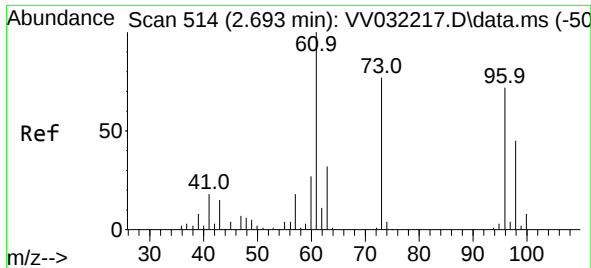
Ion Ratio Lower Upper

84 100

86 65.0 43.2 80.2

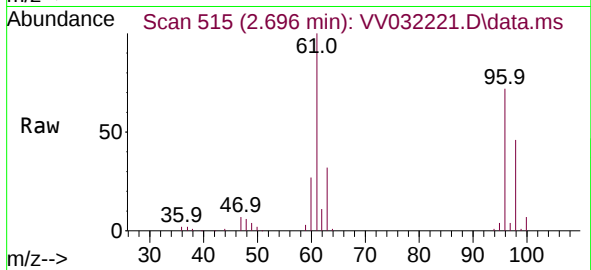
49 129.2 86.3 160.3



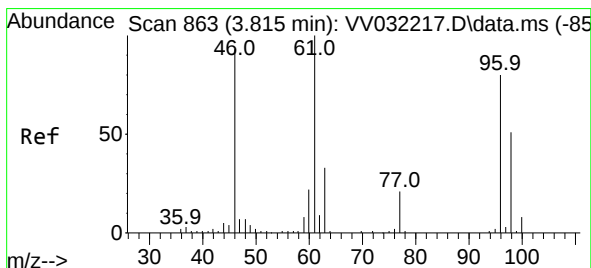
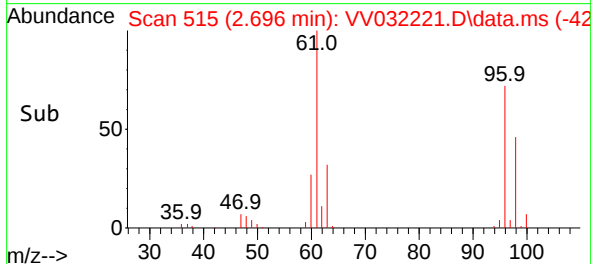
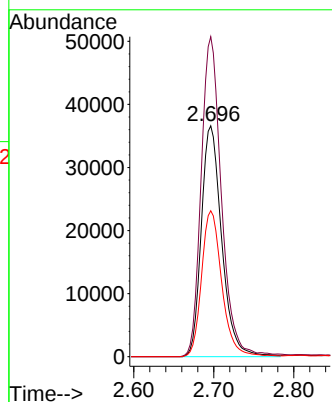


#18  
trans-1,2-Dichloroethene  
Concen: 7.039 ug/L  
RT: 2.696 min Scan# 514  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Instrument :  
MSVOA\_V  
ClientSampleId :

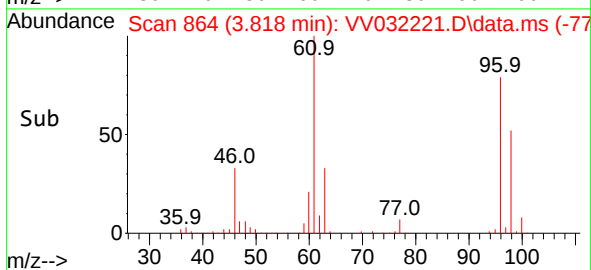
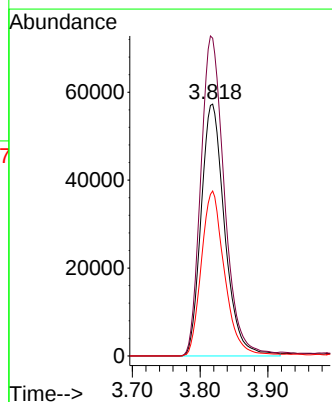
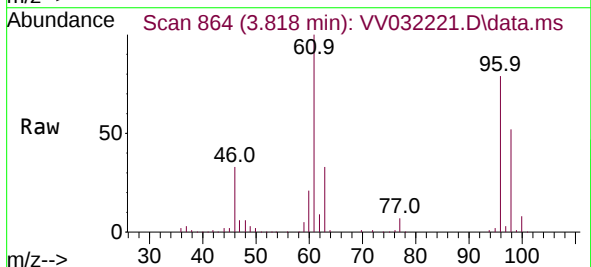


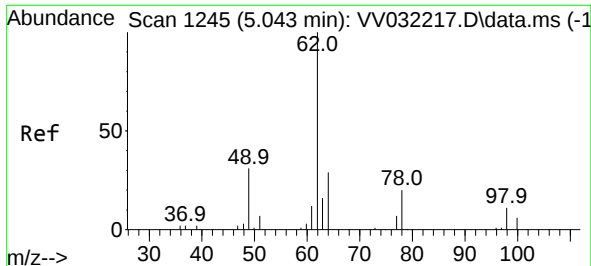
Tgt Ion: 96 Resp: 65165  
Ion Ratio Lower Upper  
96 100  
61 138.6 96.9 180.1  
98 63.2 45.3 84.1



#22  
cis-1,2-Dichloroethene  
Concen: 13.907 ug/L  
RT: 3.818 min Scan# 864  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Tgt Ion: 96 Resp: 138634  
Ion Ratio Lower Upper  
96 100  
61 126.2 85.8 159.4  
98 65.5 44.0 81.6





#27

1,2-Dichloroethane

Concen: 13.511 ug/L

RT: 5.043 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

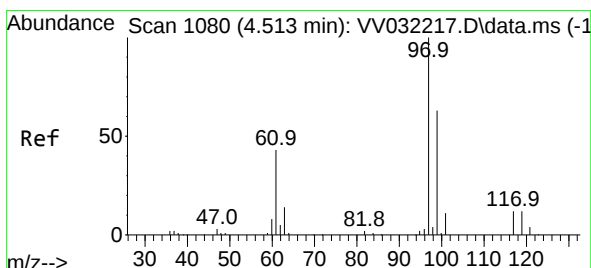
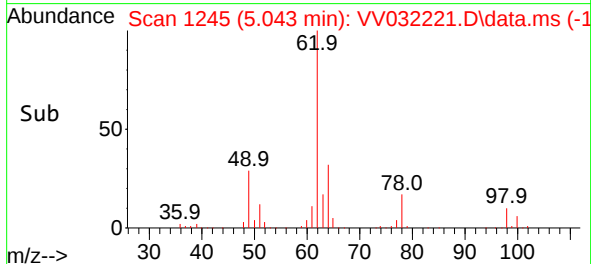
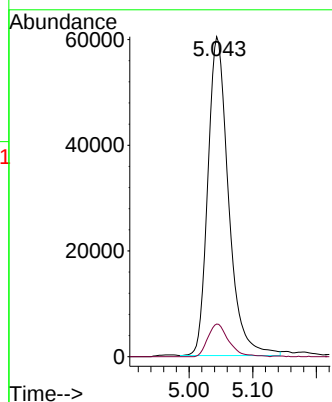
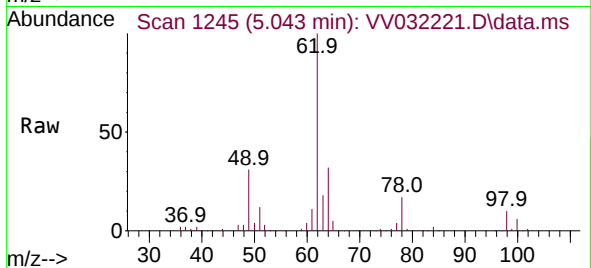
ClientSampleId :

Tgt Ion: 62 Resp: 136397

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.8



#29

1,1,1-Trichloroethane

Concen: 5.562 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

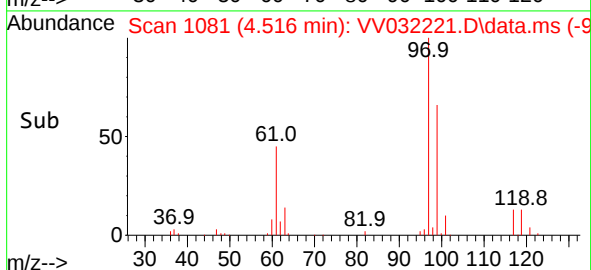
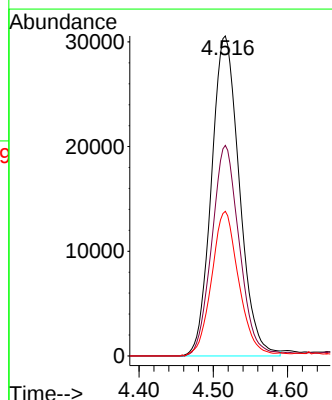
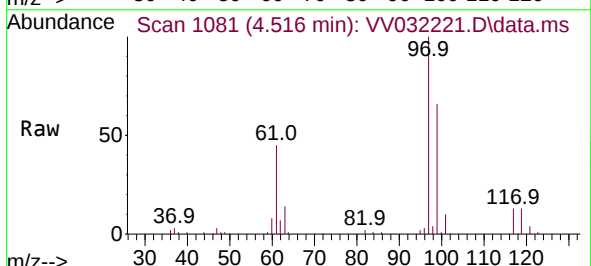
Tgt Ion: 97 Resp: 80028

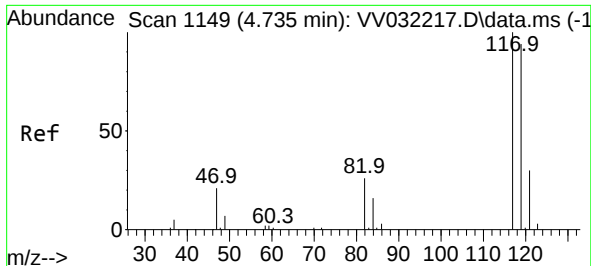
Ion Ratio Lower Upper

97 100

99 64.9 50.1 75.1

61 43.9 35.1 52.7

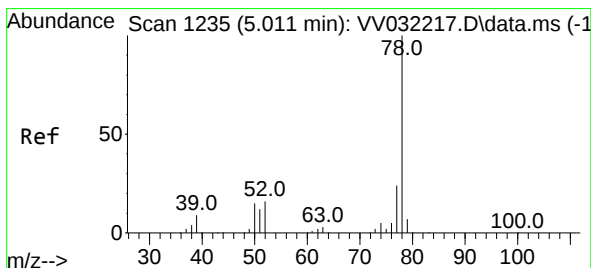
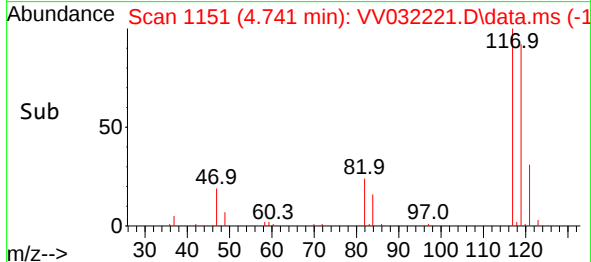
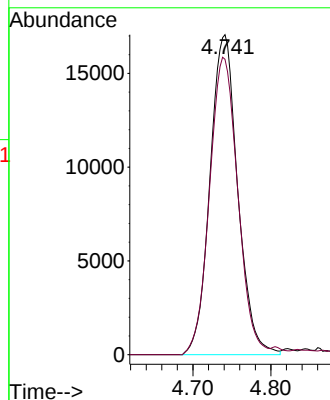
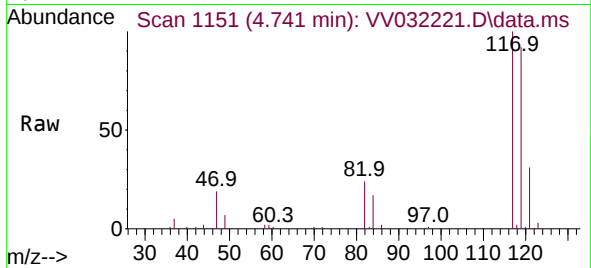




#31  
Carbon tetrachloride  
Concen: 3.471 ug/L  
RT: 4.741 min Scan# 1149  
Delta R.T. 0.006 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

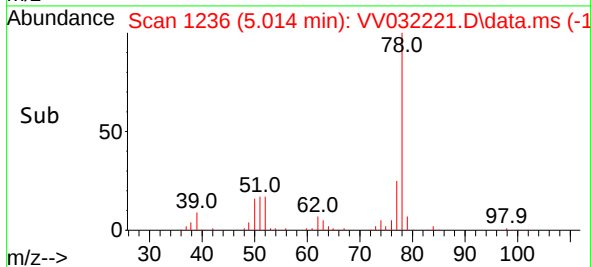
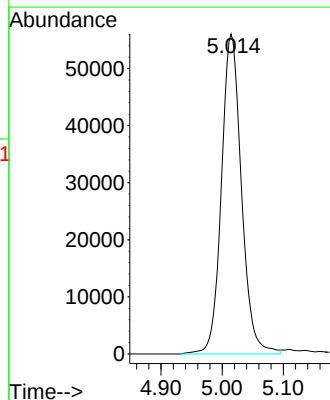
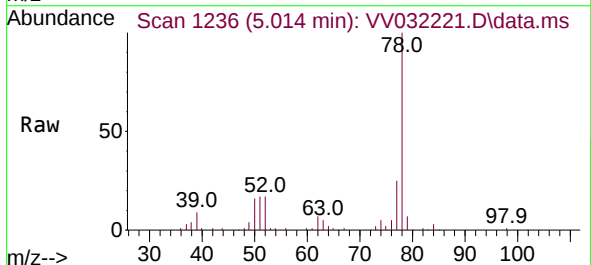
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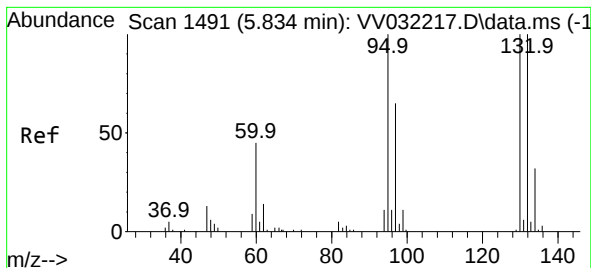
Tgt Ion:117 Resp: 42254  
Ion Ratio Lower Upper  
117 100  
119 94.6 77.6 116.4



#33  
Benzene  
Concen: 3.427 ug/L  
RT: 5.014 min Scan# 1236  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Tgt Ion: 78 Resp: 127670





#34

Trichloroethene

Concen: 7.944 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 80793

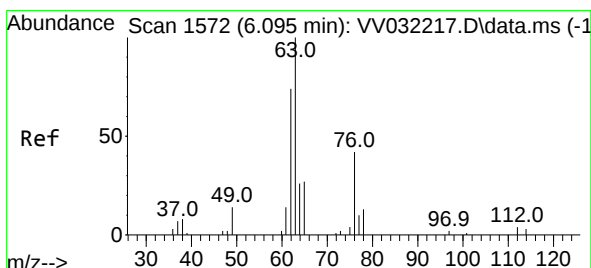
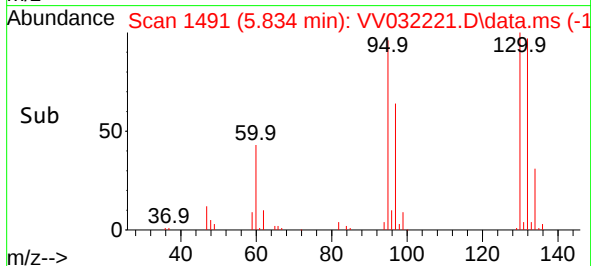
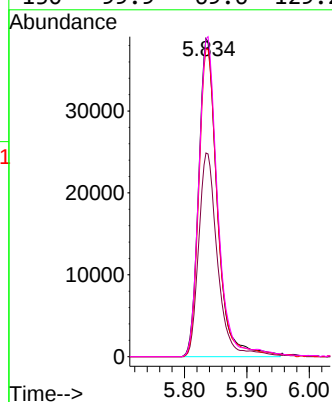
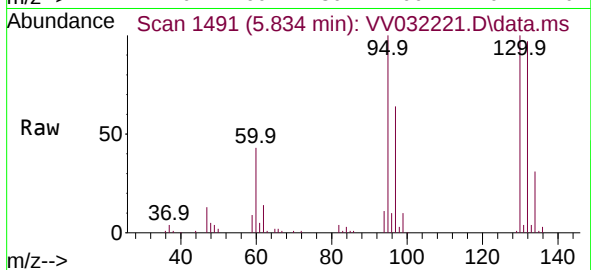
Ion Ratio Lower Upper

95 100

97 64.0 45.7 84.9

132 96.7 70.3 130.5

130 99.9 69.6 129.2



#37

1,2-Dichloropropane

Concen: 6.823 ug/L

RT: 6.095 min Scan# 1572

Delta R.T. -0.000 min

Lab File: VV032221.D

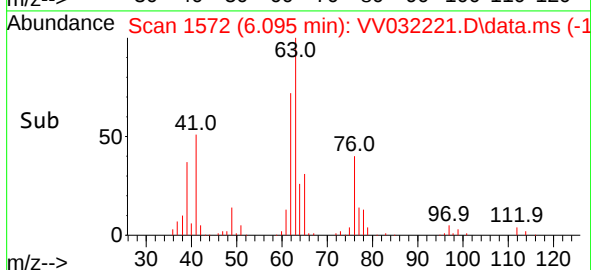
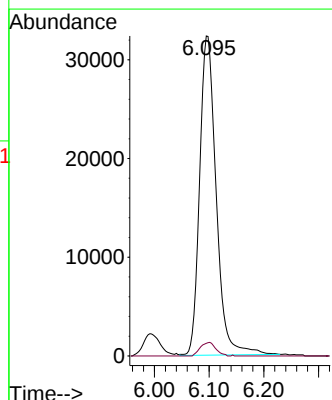
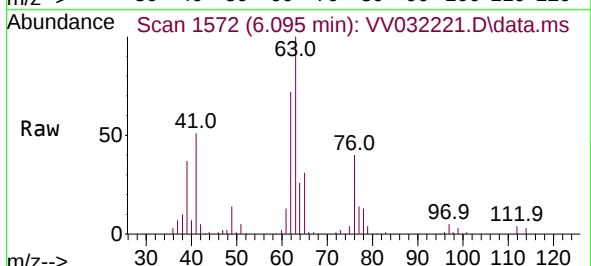
Acq: 04 Oct 2023 11:27

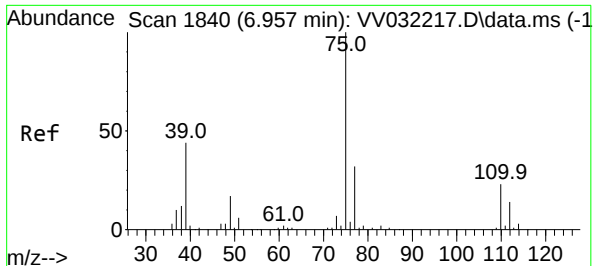
Tgt Ion: 63 Resp: 67980

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.2





#39

cis-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 6.915 min Scan# 1840

Delta R.T. -0.042 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

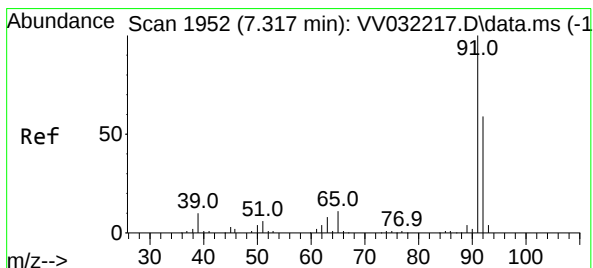
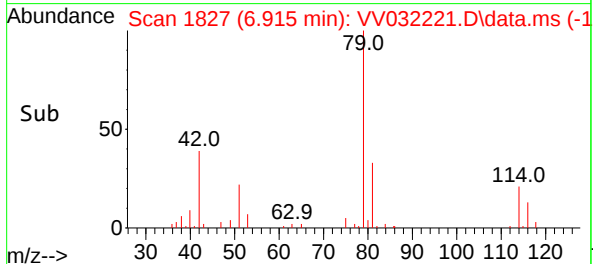
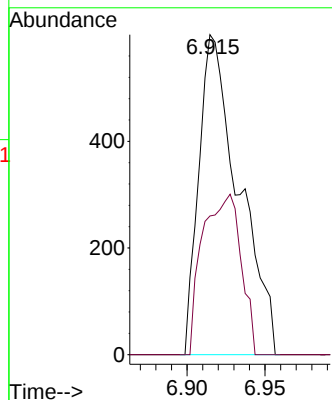
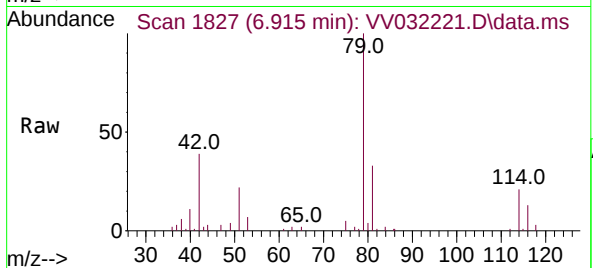
ClientSampleId :

Tgt Ion: 75 Resp: 1069

Ion Ratio Lower Upper

75 100

77 43.3 22.2 41.2#



#42

Toluene

Concen: 4.299 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV032221.D

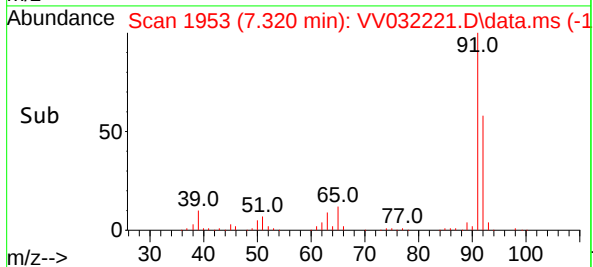
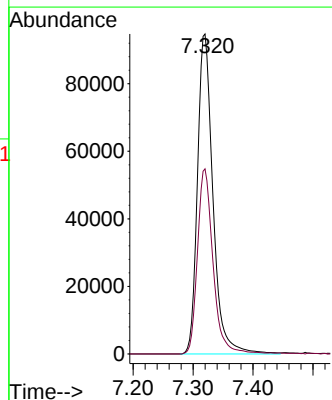
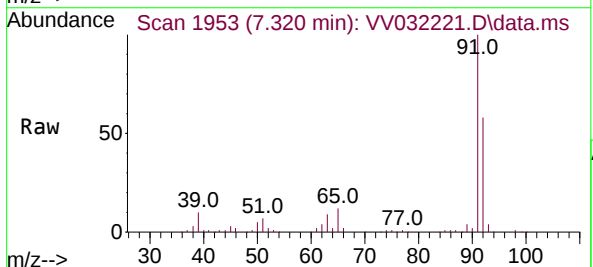
Acq: 04 Oct 2023 11:27

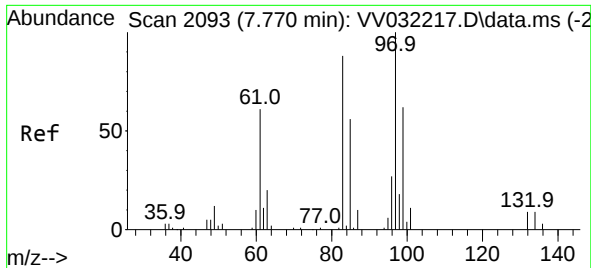
Tgt Ion: 91 Resp: 170726

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8

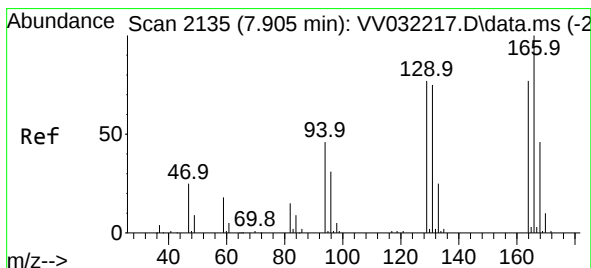
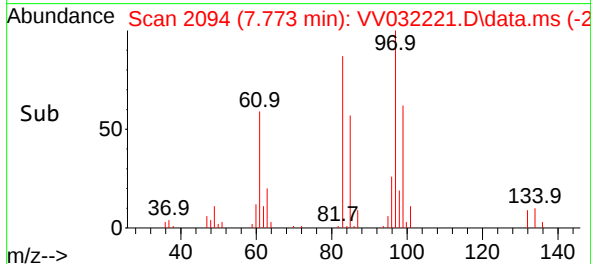
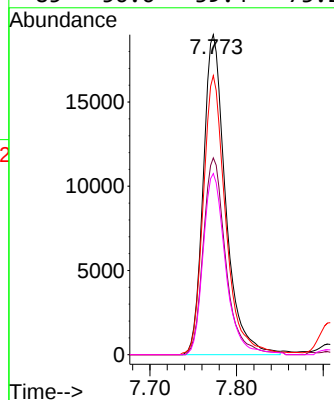
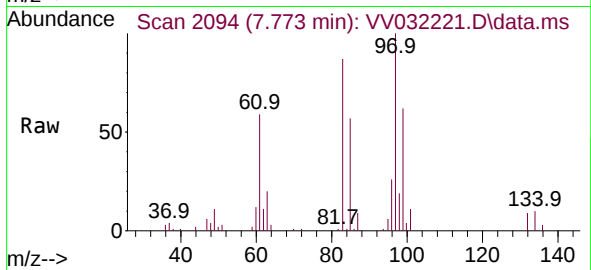




#45  
1,1,2-Trichloroethane  
Concen: 4.846 ug/L  
RT: 7.773 min Scan# 2093  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

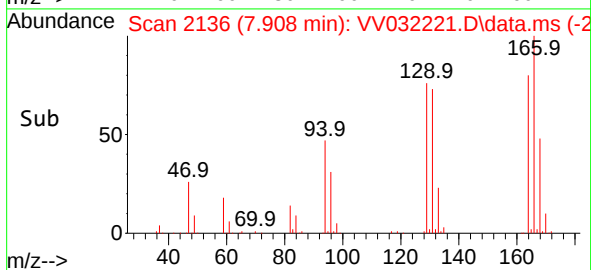
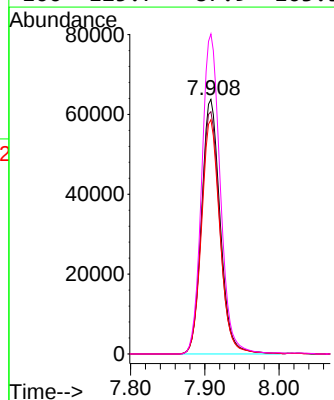
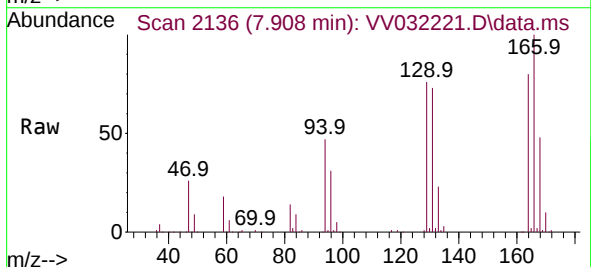
Instrument :  
MSVOA\_V  
ClientSampleId :

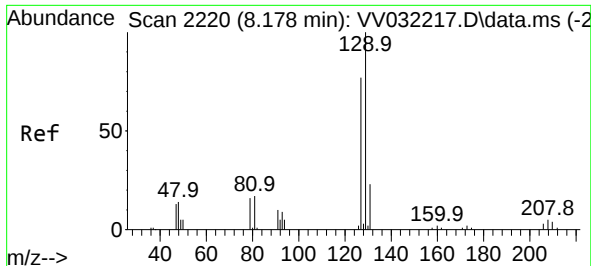
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 34064 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.5  | 42.8  | 79.4  |
| 83       | 87.2  | 60.9  | 113.1 |
| 85       | 56.6  | 39.4  | 73.2  |



#47  
Tetrachloroethene  
Concen: 14.415 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 111185 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 95.2  | 66.4  | 123.4  |
| 131      | 92.0  | 63.7  | 118.3  |
| 166      | 125.7 | 87.9  | 163.3  |





#49

Dibromochloromethane

Concen: 14.035 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.270 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

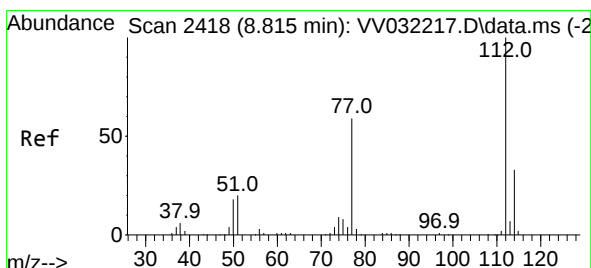
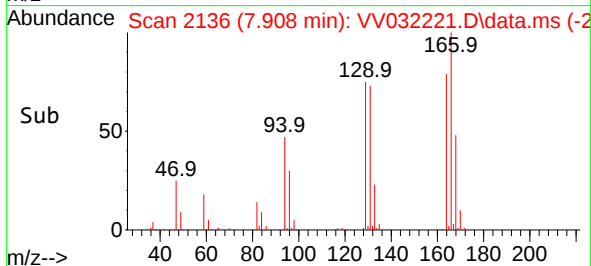
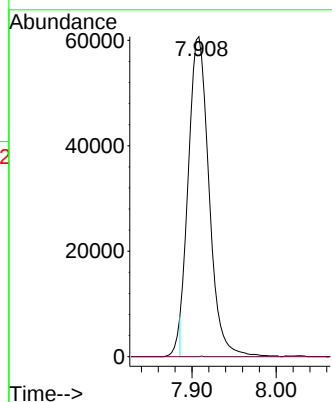
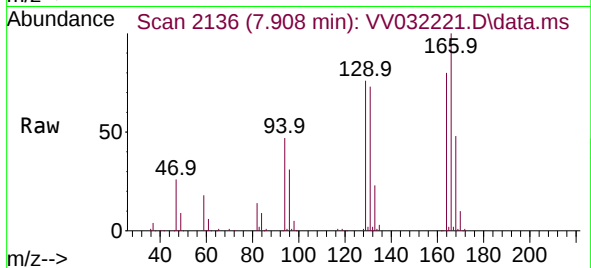
ClientSampleId :

Tgt Ion:129 Resp: 102704

Ion Ratio Lower Upper

129 100

127 0.0 57.2 106.2#



#51

Chlorobenzene

Concen: 9.632 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.003 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

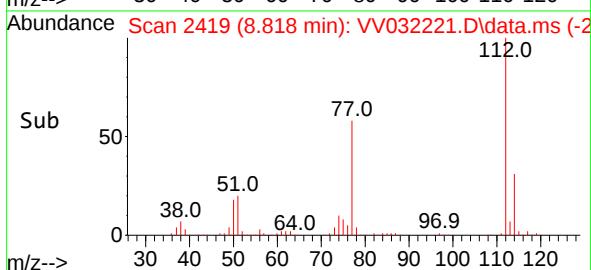
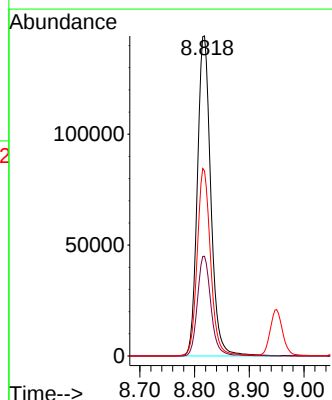
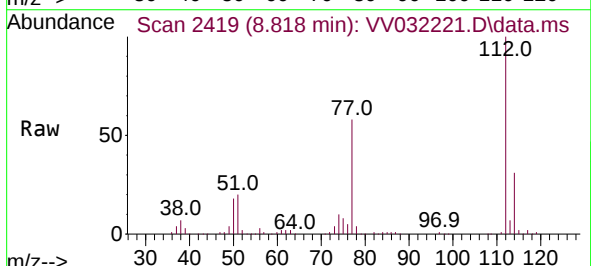
Tgt Ion:112 Resp: 246293

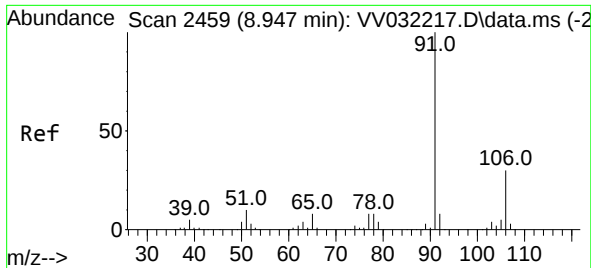
Ion Ratio Lower Upper

112 100

114 31.2 22.1 41.1

77 57.8 46.1 69.1

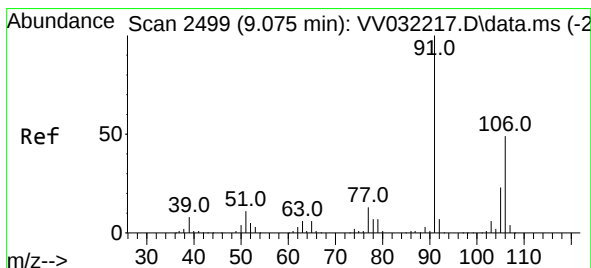
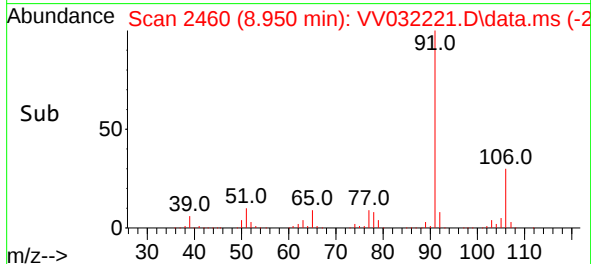
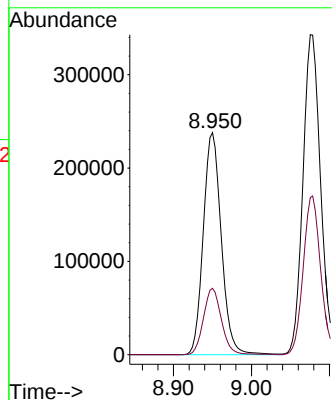
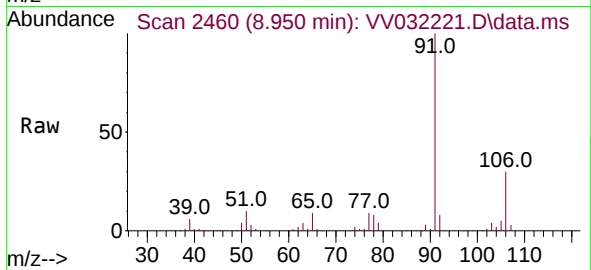




#52  
Ethylbenzene  
Concen: 8.645 ug/L  
RT: 8.950 min Scan# 2459  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

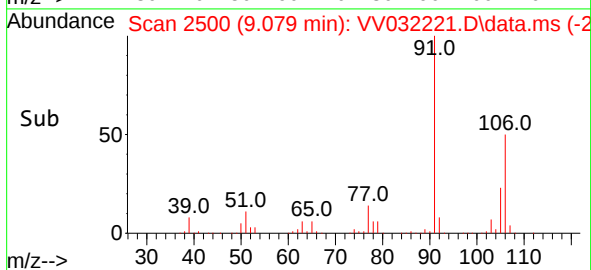
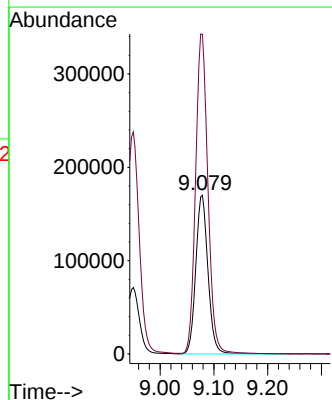
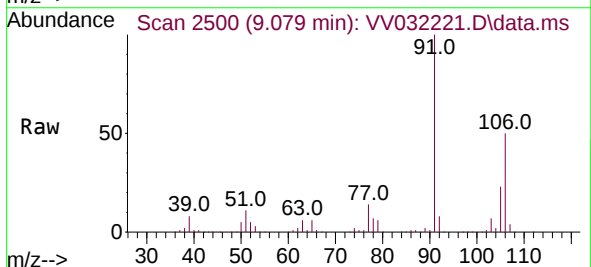
Instrument :  
MSVOA\_V  
ClientSampleId :

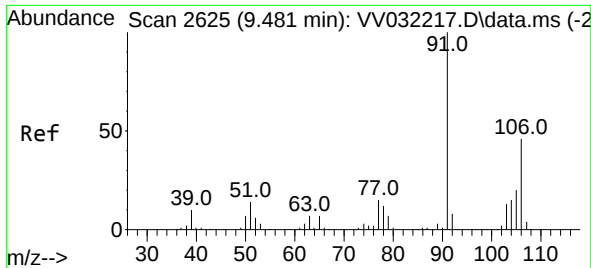
Tgt Ion: 91 Resp: 382362  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.3 39.5



#53  
m,p-Xylene  
Concen: 16.367 ug/L  
RT: 9.079 min Scan# 2500  
Delta R.T. 0.003 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Tgt Ion: 106 Resp: 268465  
Ion Ratio Lower Upper  
106 100  
91 201.3 144.5 268.3

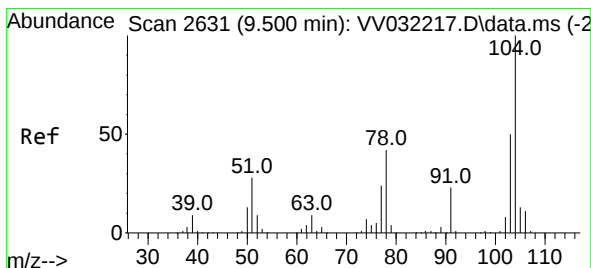
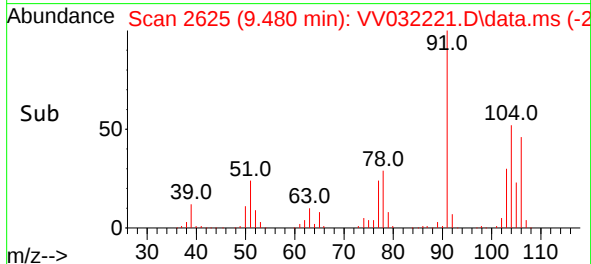
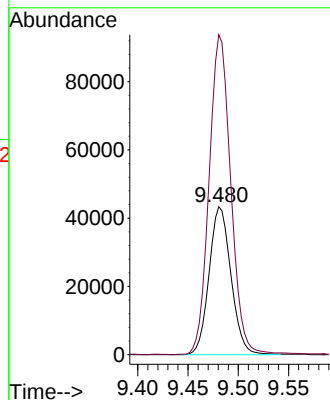
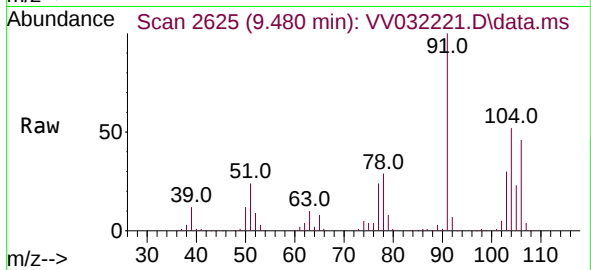




#54  
o-Xylene  
Concen: 4.158 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. -0.000 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

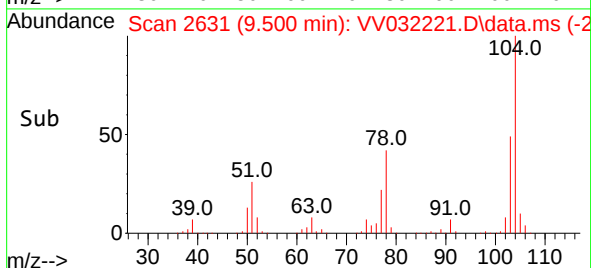
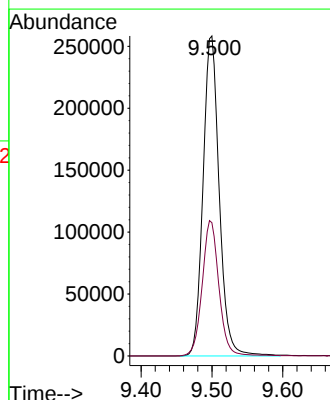
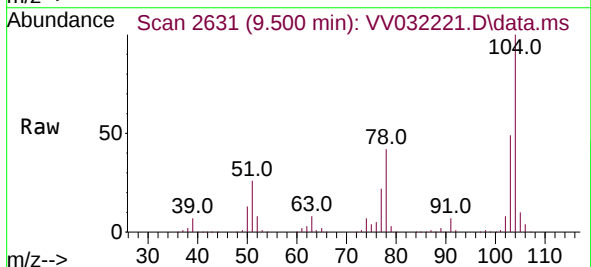
Instrument :  
MSVOA\_V  
ClientSampleId :

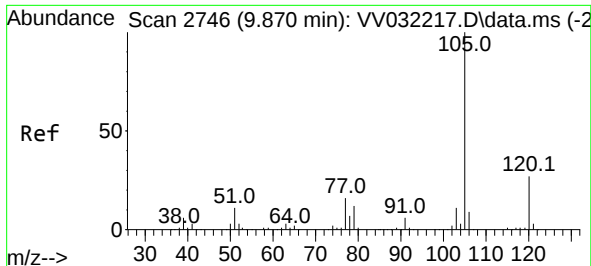
Tgt Ion:106 Resp: 65724  
Ion Ratio Lower Upper  
106 100  
91 216.1 154.8 287.4



#55  
Styrene  
Concen: 15.351 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. -0.000 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Tgt Ion:104 Resp: 409755  
Ion Ratio Lower Upper  
104 100  
78 41.6 29.9 55.5

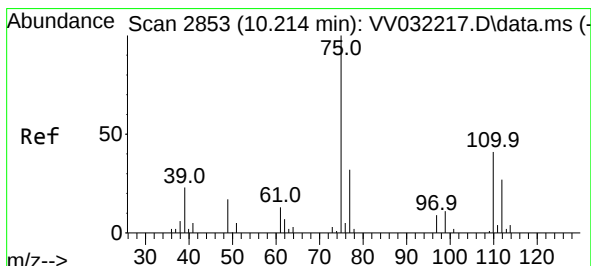
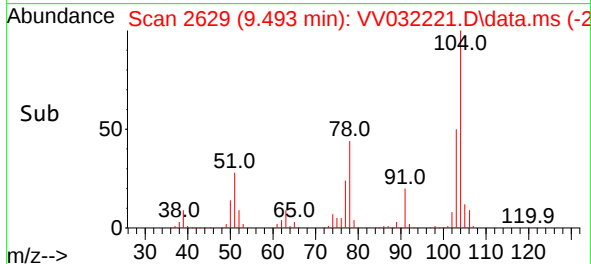
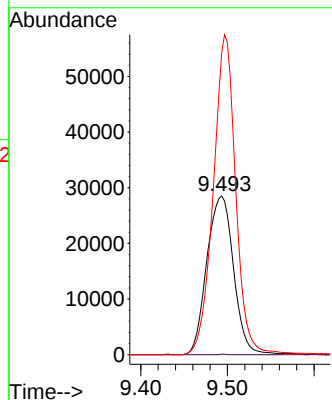
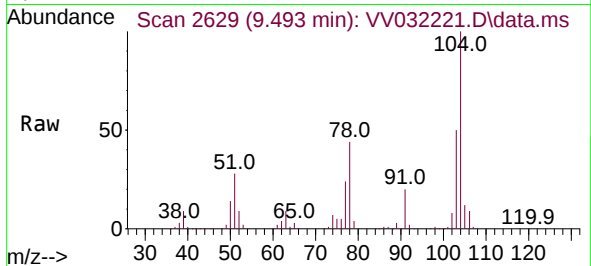




#60  
Isopropylbenzene  
Concen: 1.489 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. -0.376 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

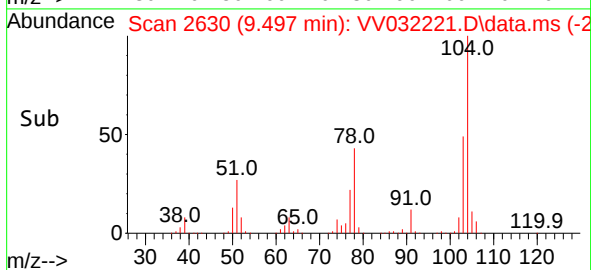
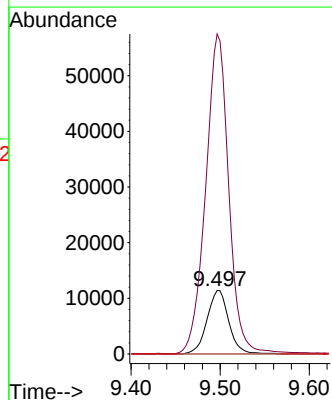
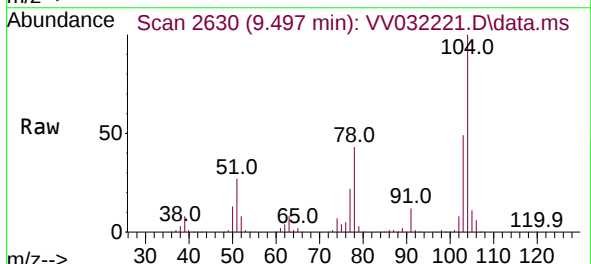
Instrument :  
MSVOA\_V  
ClientSampleId :

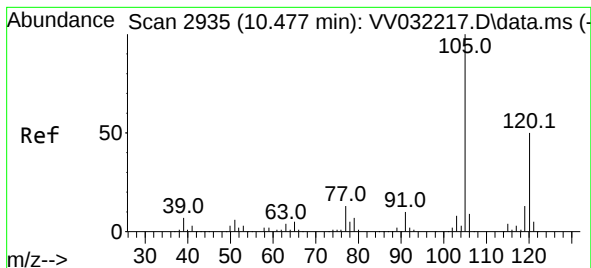
Tgt Ion:105 Resp: 61145  
Ion Ratio Lower Upper  
105 100  
120 0.0 21.0 31.6#  
77 170.0 12.6 19.0#



#61  
1,2,3-Trichloropropane  
Concen: 3.427 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. -0.717 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

Tgt Ion: 75 Resp: 19277  
Ion Ratio Lower Upper  
75 100  
77 539.2 26.2 39.2#  
110 0.0 30.6 46.0#





#62

1,3,5-Trimethylbenzene

Concen: 1.827 ug/L

RT: 9.493 min Scan# 2

Delta R.T. -0.984 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

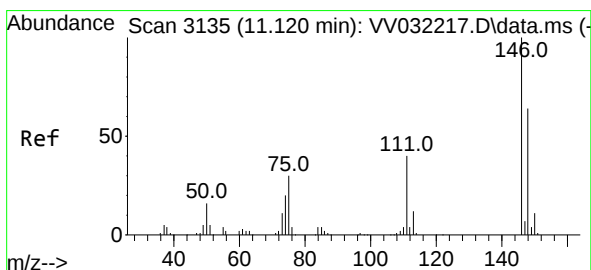
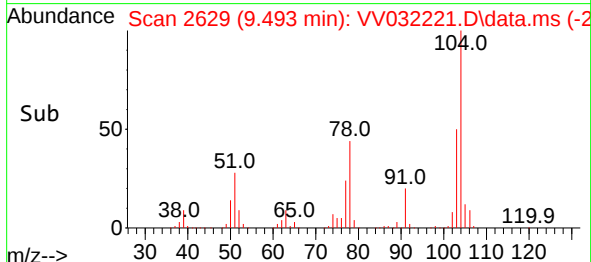
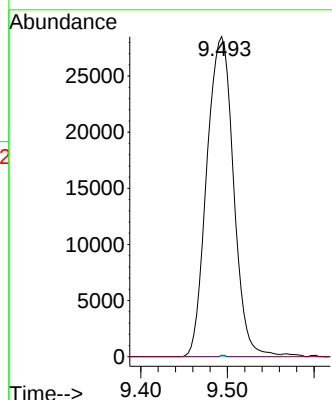
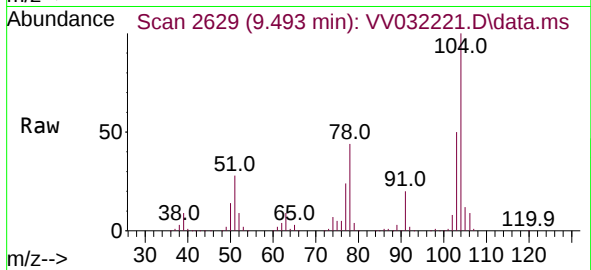
ClientSampleId :

Tgt Ion:105 Resp: 61145

Ion Ratio Lower Upper

105 100

120 0.0 39.9 59.9#



#64

1,3-Dichlorobenzene

Concen: 15.986 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.090 min

Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

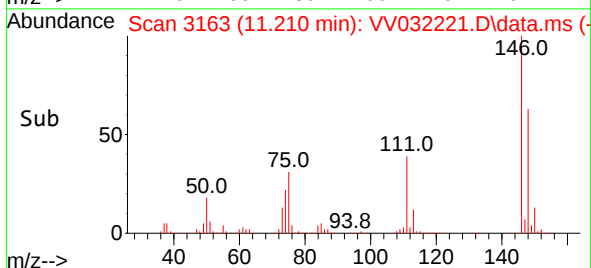
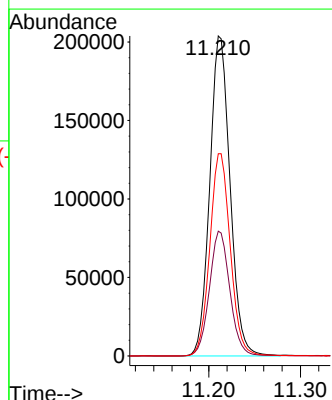
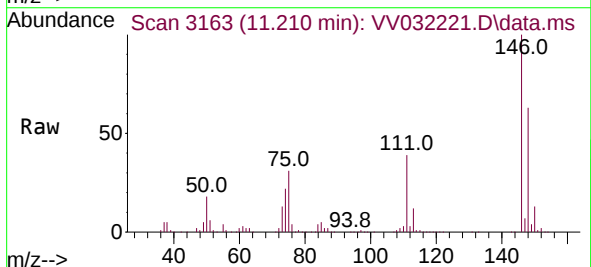
Tgt Ion:146 Resp: 313650

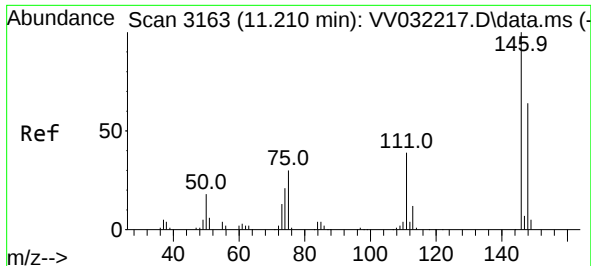
Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

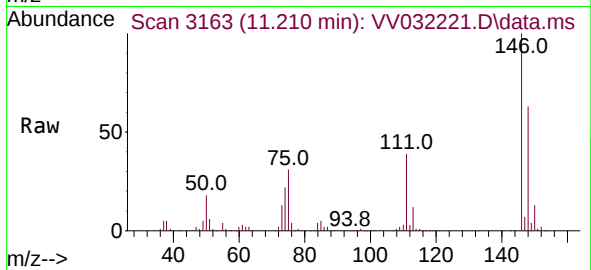
148 63.2 43.7 81.1



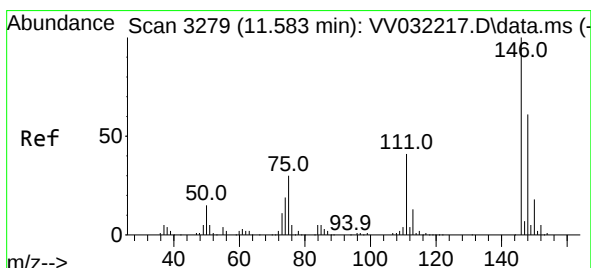
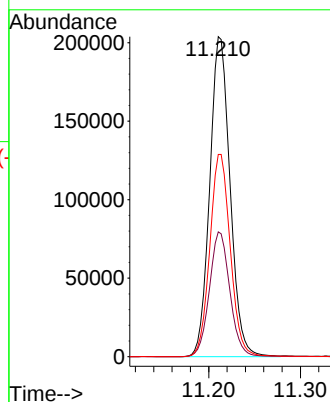
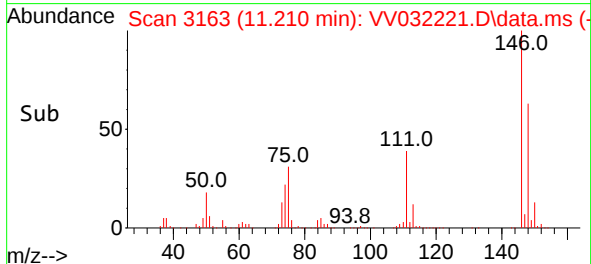


#65  
1,4-Dichlorobenzene  
Concen: 15.935 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. -0.000 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27

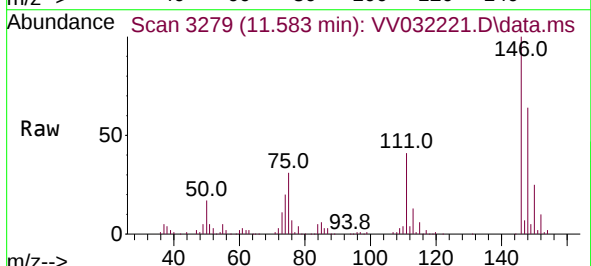
Instrument :  
MSVOA\_V  
ClientSampleId :



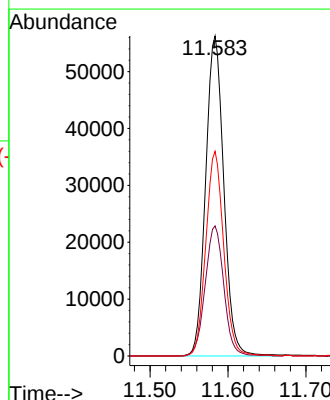
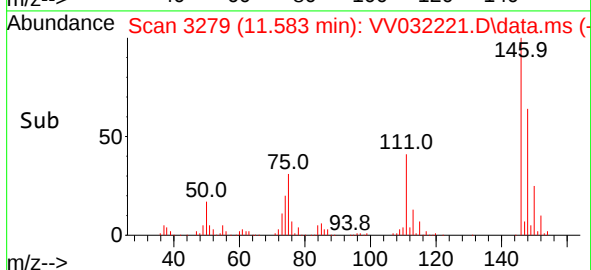
Tgt Ion:146 Resp: 313650  
Ion Ratio Lower Upper  
146 100  
111 39.0 26.9 49.9  
148 63.2 44.8 83.2

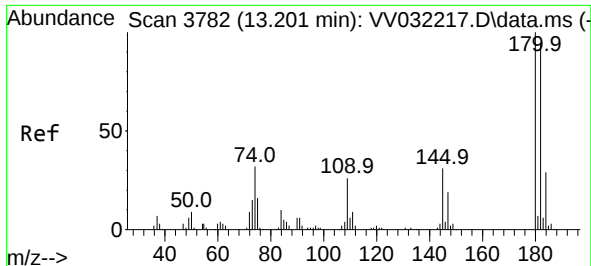


#67  
1,2-Dichlorobenzene  
Concen: 5.090 ug/L  
RT: 11.583 min Scan# 3279  
Delta R.T. -0.000 min  
Lab File: VV032221.D  
Acq: 04 Oct 2023 11:27



Tgt Ion:146 Resp: 91071  
Ion Ratio Lower Upper  
146 100  
111 40.7 32.8 49.2  
148 63.9 51.0 76.4





#70

1,2,4-trichlorobenzene

Concen: 7.861 ug/L

RT: 13.201 min Scan# 31

Delta R.T. -0.000 min

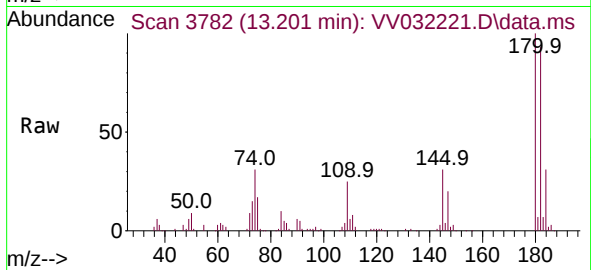
Lab File: VV032221.D

Acq: 04 Oct 2023 11:27

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 100182

Ion Ratio Lower Upper

180 100

182 94.2 76.5 114.7

145 30.5 24.3 36.5

