

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042022\  
 Data File : VW025646.D  
 Acq On : 20 Apr 2022 15:13  
 Operator : SY/MD  
 Sample : N2492-04  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6T6

Quant Time: Apr 21 06:43:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 21 06:38:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 104550   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 105536   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 45679    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.310  | 65    | 46114    | 4.744    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.800%   |
| 7) Chloroethane-d5            | 1.571  | 69    | 49550    | 4.792    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.800%   |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 73341    | 3.767    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.400%   |
| 20) 2-Butanone-d5             | 3.892  | 46    | 77340    | 65.412   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 130.820%# |
| 24) Chloroform-d              | 4.352  | 84    | 84433    | 5.748    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 115.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 40890    | 6.461    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 129.200%  |
| 32) Benzene-d6                | 5.053  | 84    | 164800   | 5.397    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 49615    | 5.826    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 116.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 135254   | 4.773    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.400%   |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 14162    | 4.948    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.000%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 62768    | 62.481   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 124.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 29824    | 5.543    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 45638    | 5.959    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 119.200%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.220  | 85    | 672      | 0.071    | ug/L   | 98        |
| 3) Chloromethane              | 1.246  | 50    | 413      | 0.040    | ug/L   | 95        |
| 5) Vinyl chloride             | 1.314  | 62    | 646      | 0.056    | ug/L # | 1         |
| 12) 1,1-Dichloroethene        | 2.124  | 96    | 2681     | 0.296    | ug/L # | 1         |
| 14) Carbon disulfide          | 2.297  | 76    | 1509     | 0.070    | ug/L # | 72        |
| 18) trans-1,2-Dichloroethene  | 2.780  | 96    | 279      | 0.037    | ug/L # | 56        |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 26157    | 3.270    | ug/L   | 93        |
| 27) 1,2-Dichloroethane        | 5.149  | 62    | 902      | 0.126    | ug/L # | 49        |
| 33) Benzene                   | 5.114  | 78    | 3643     | 0.117    | ug/L   | 100       |
| 34) Trichloroethene           | 5.915  | 95    | 93972    | 11.353   | ug/L   | 100       |
| 37) 1,2-Dichloropropane       | 6.188  | 63    | 820      | 0.114    | ug/L # | 85        |
| 39) cis-1,3-Dichloropropene   | 6.989  | 75    | 1087     | 0.115    | ug/L # | 58        |
| 42) Toluene                   | 7.400  | 91    | 7217     | 0.213    | ug/L   | 97        |
| 44) trans-1,3-Dichloropropene | 7.628  | 75    | 555      | 0.076    | ug/L   | 88        |
| 45) 1,1,2-Trichloroethane     | 7.985  | 97    | 125522   | 25.990   | ug/L # | 1         |
| 47) Tetrachloroethene         | 7.985  | 164   | 12115870 | 1869.626 | ug/L   | 89        |
| 49) Dibromochloromethane      | 7.985  | 129   | 12484478 | 2354.659 | ug/L # | 11        |
| 52) Ethylbenzene              | 9.027  | 91    | 2046     | 0.057    | ug/L   | 99        |
| 53) m,p-Xylene                | 9.146  | 106   | 1619     | 0.118    | ug/L   | 85        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042022\  
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 Sample : N2492-04  
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 ALS Vial : 13 Sample Multiplier: 1

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 ClientSampleId :  
 EW6T6

Quant Time: Apr 21 06:43:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 21 06:38:14 2022  
 Response via : Initial Calibration

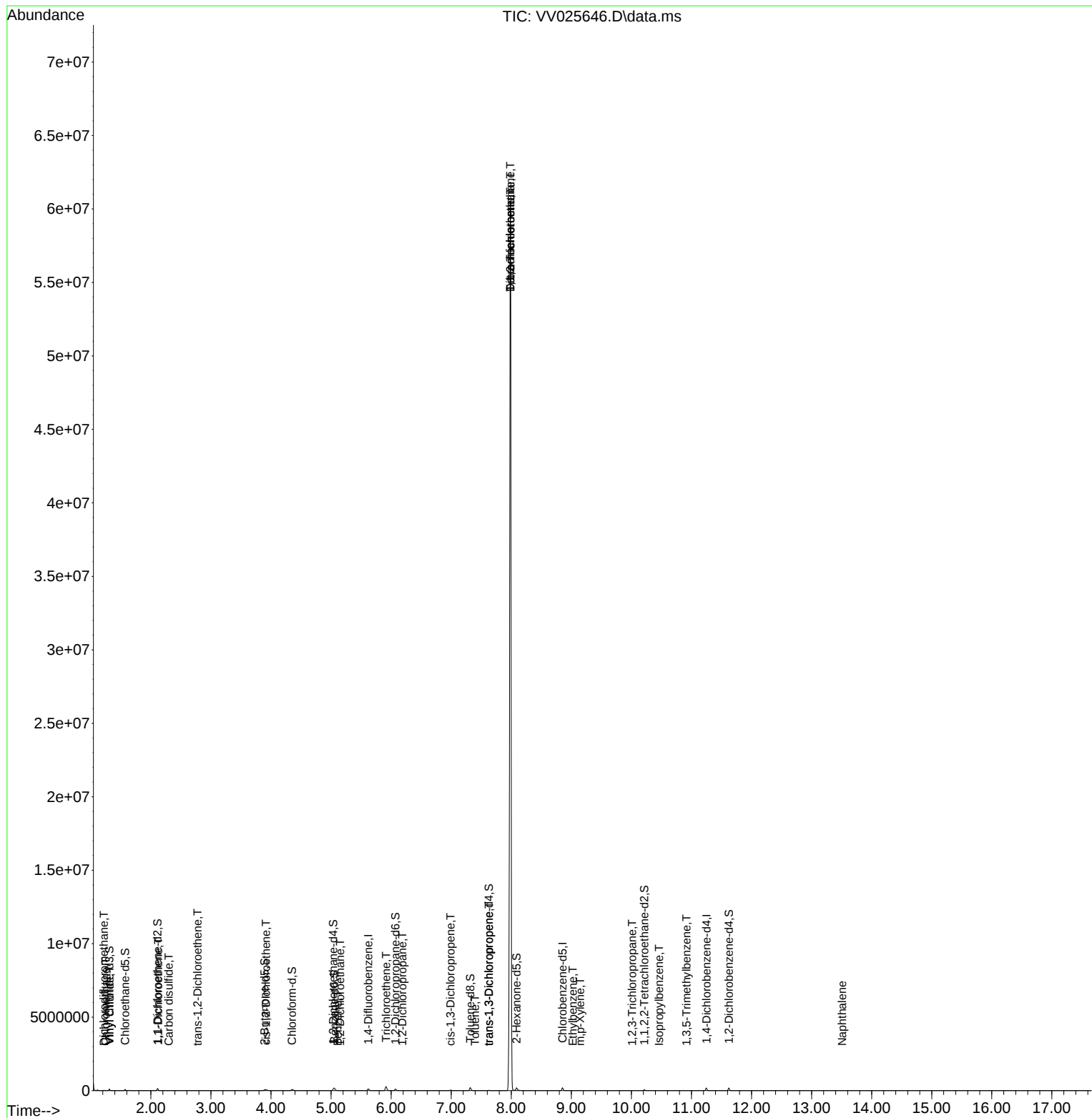
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 60) Isopropylbenzene       | 10.461 | 105  | 1084     | 0.038 | ug/L # | 66       |
| 61) 1,2,3-Trichloropropane | 10.011 | 75   | 384      | 0.128 | ug/L # | 37       |
| 62) 1,3,5-Trimethylbenzene | 10.918 | 105  | 811      | 0.064 | ug/L   | 93       |
| 71) Naphthalene            | 13.509 | 128  | 620      | 0.055 | ug/L # | 69       |

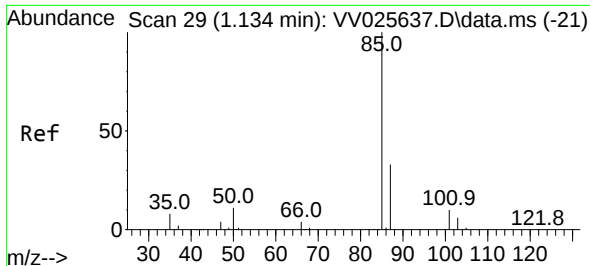
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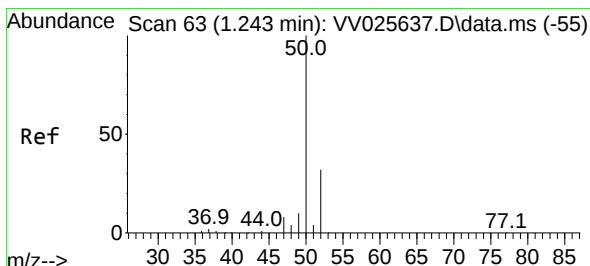
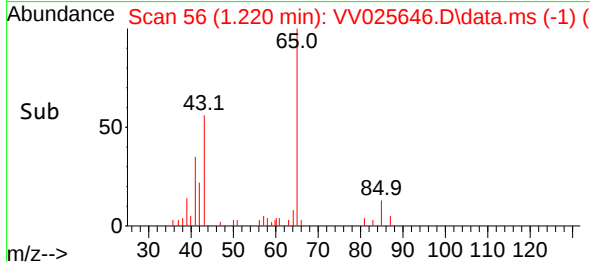
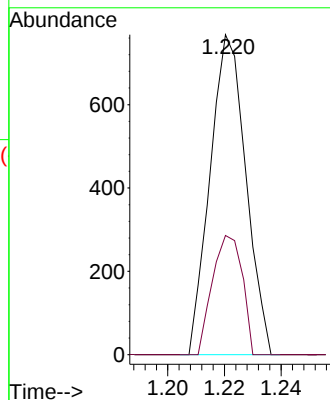
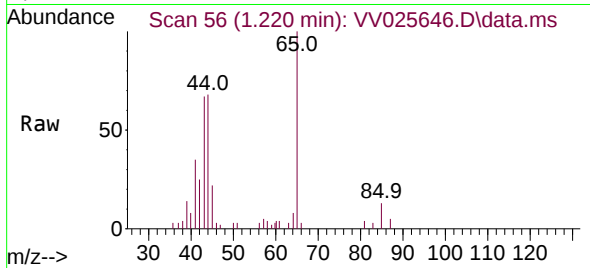




#2  
 Dichlorodifluoromethane  
 Concen: 0.071 ug/L  
 RT: 1.220 min Scan# 50  
 Delta R.T. 0.087 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

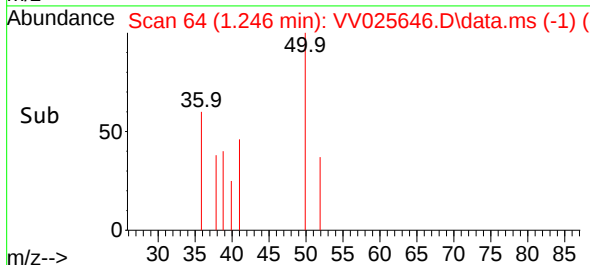
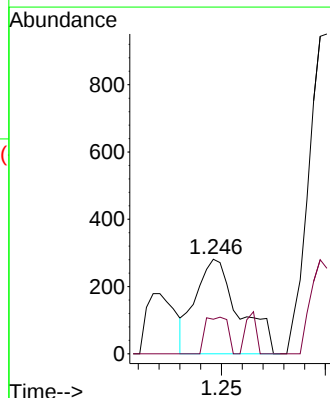
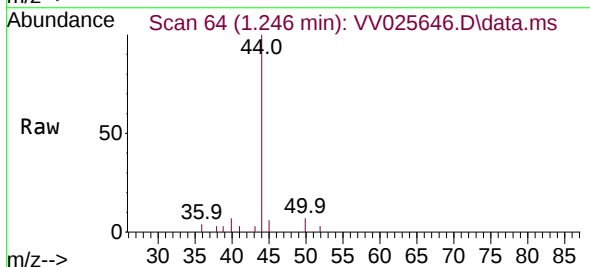
Instrument :  
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 ClientSampleId :  
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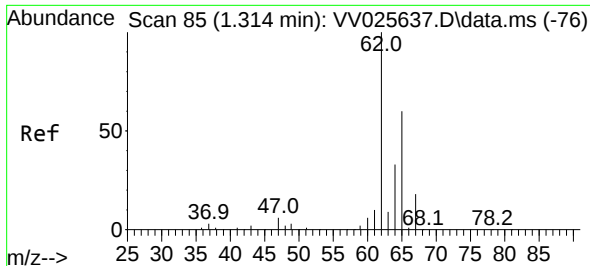
Tgt Ion: 85 Resp: 672  
 Ion Ratio Lower Upper  
 85 100  
 87 31.0 25.6 38.4



#3  
 Chloromethane  
 Concen: 0.040 ug/L  
 RT: 1.246 min Scan# 64  
 Delta R.T. 0.003 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

Tgt Ion: 50 Resp: 413  
 Ion Ratio Lower Upper  
 50 100  
 52 36.7 23.7 43.9

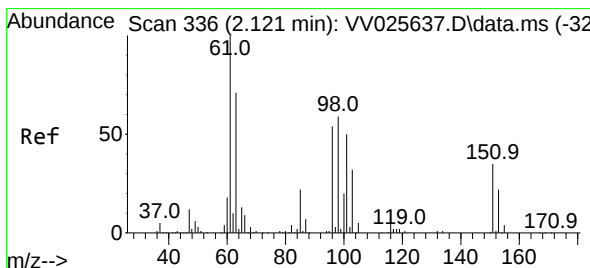
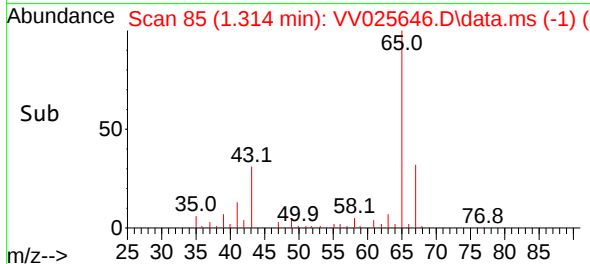
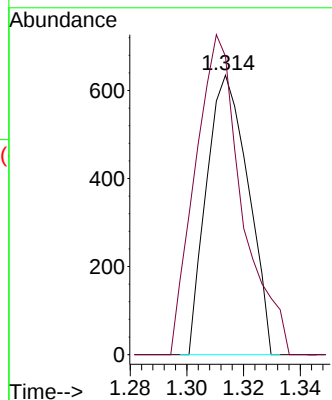
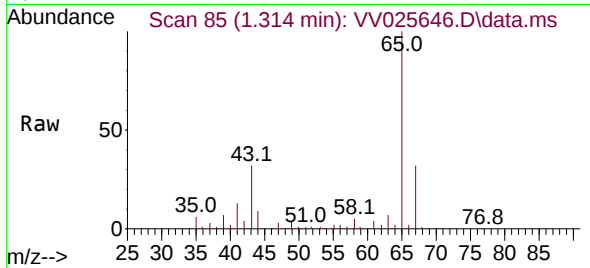




#5  
 Vinyl chloride  
 Concen: 0.056 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. -0.000 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

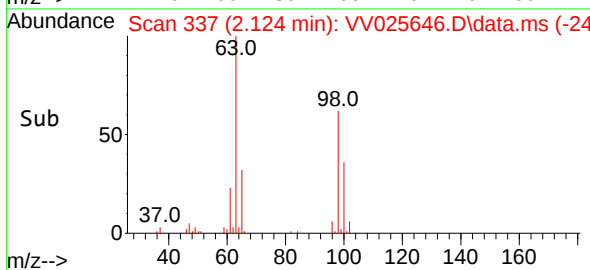
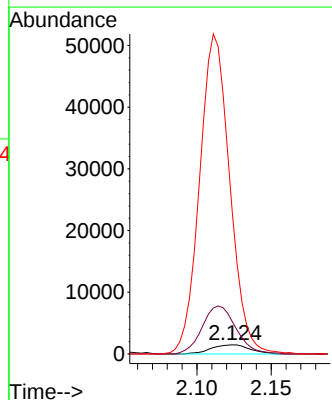
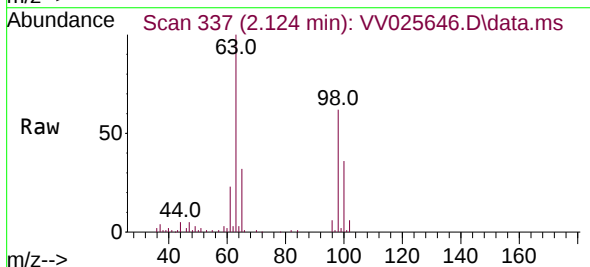
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6T6

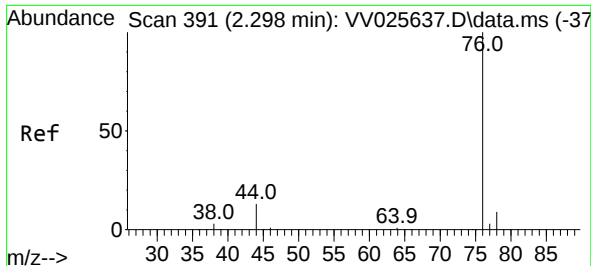
Tgt Ion: 62 Resp: 646  
 Ion Ratio Lower Upper  
 62 100  
 64 106.8 23.2 43.2#



#12  
 1,1-Dichloroethene  
 Concen: 0.296 ug/L  
 RT: 2.124 min Scan# 337  
 Delta R.T. 0.003 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

Tgt Ion: 96 Resp: 2681  
 Ion Ratio Lower Upper  
 96 100  
 61 354.0 125.2 232.4#  
 63 1544.2 114.4 212.4#

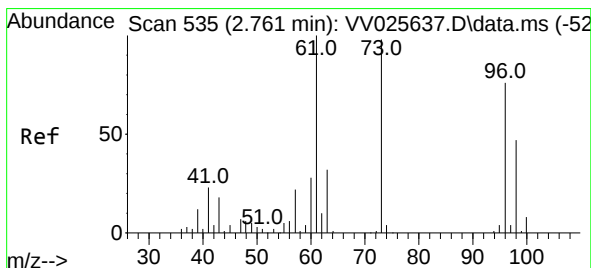
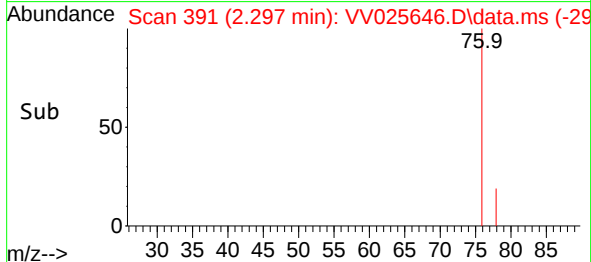
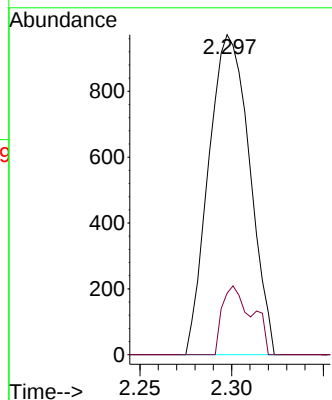
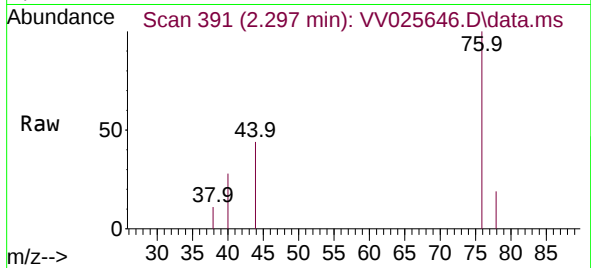




#14  
Carbon disulfide  
Concen: 0.070 ug/L  
RT: 2.297 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

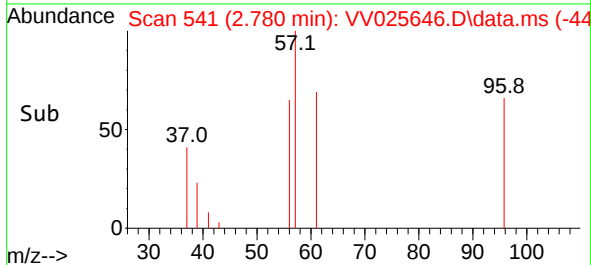
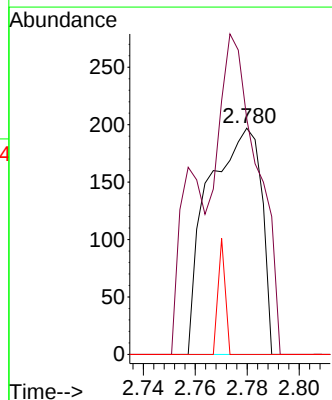
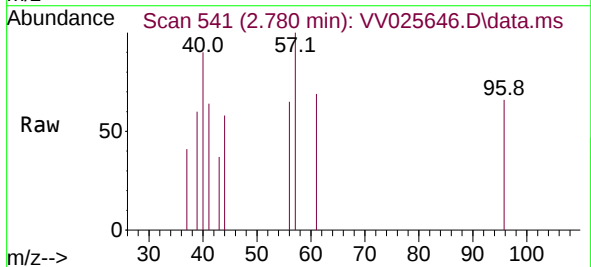
Instrument :  
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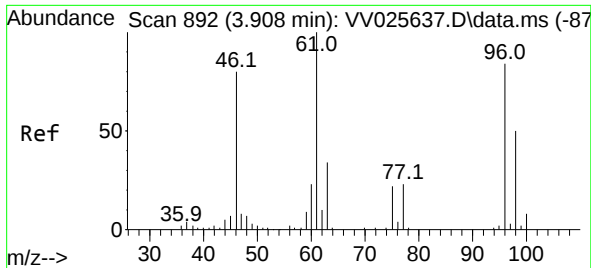
Tgt Ion: 76 Resp: 1509  
Ion Ratio Lower Upper  
76 100  
78 19.2 7.3 10.9#



#18  
trans-1,2-Dichloroethene  
Concen: 0.037 ug/L  
RT: 2.780 min Scan# 541  
Delta R.T. 0.019 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

Tgt Ion: 96 Resp: 279  
Ion Ratio Lower Upper  
96 100  
61 104.1 92.1 171.1  
98 0.0 47.5 88.1#





#22

cis-1,2-Dichloroethene

Concen: 3.270 ug/L

RT: 3.915 min Scan# 89

Delta R.T. 0.006 min

Lab File: VV025646.D

Acq: 20 Apr 2022 15:13

Instrument :

MSVOA\_V

ClientSampleId :

EW6T6

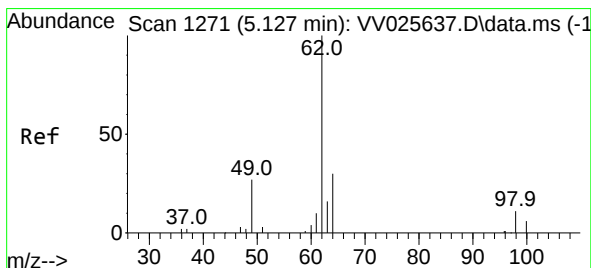
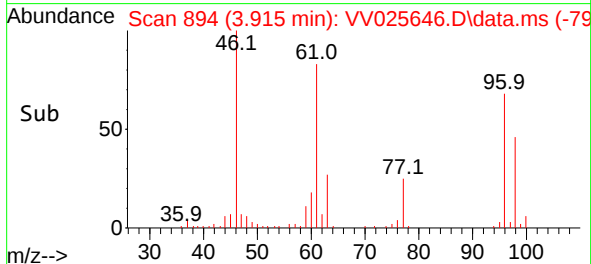
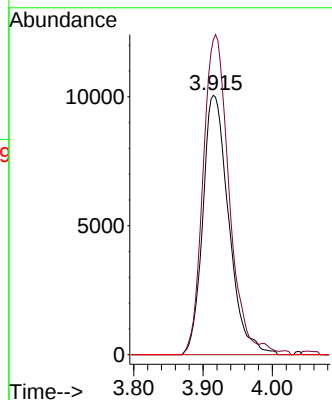
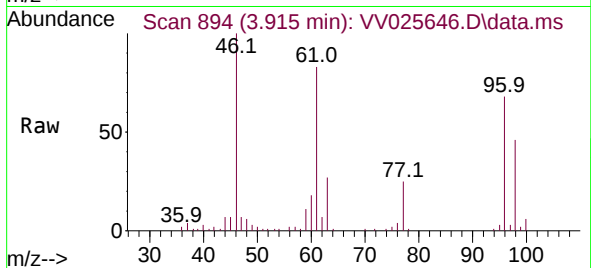
Tgt Ion: 96 Resp: 26157

Ion Ratio Lower Upper

96 100

61 121.4 80.0 148.6

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.126 ug/L

RT: 5.149 min Scan# 1278

Delta R.T. 0.022 min

Lab File: VV025646.D

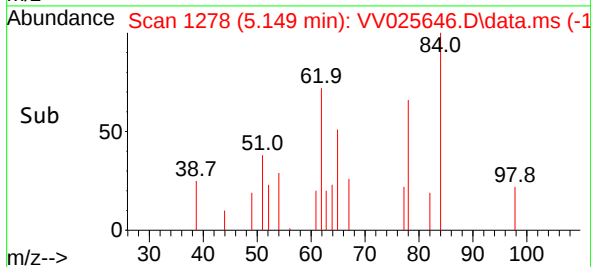
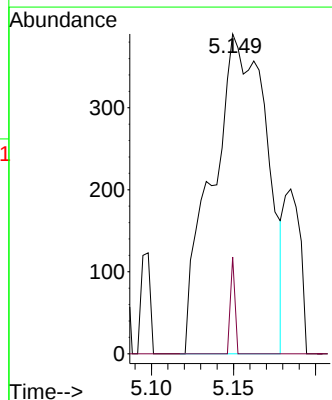
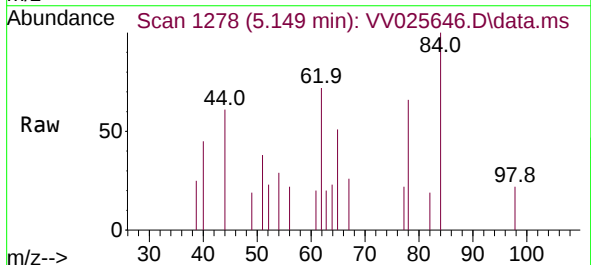
Acq: 20 Apr 2022 15:13

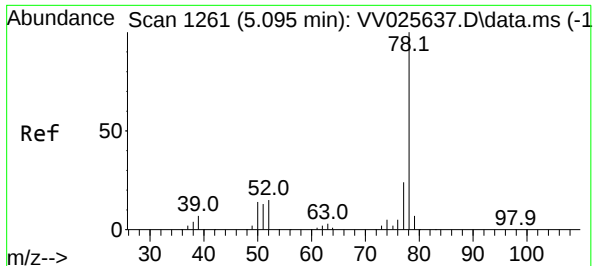
Tgt Ion: 62 Resp: 902

Ion Ratio Lower Upper

62 100

98 30.3 8.8 13.2#

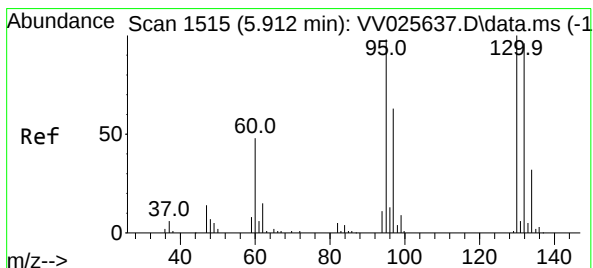
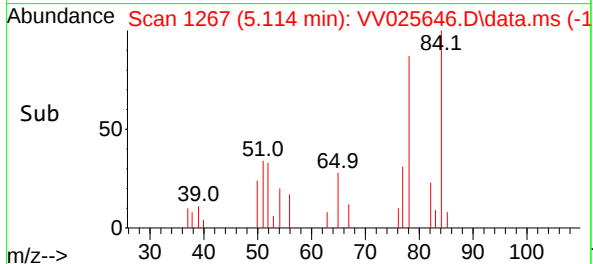
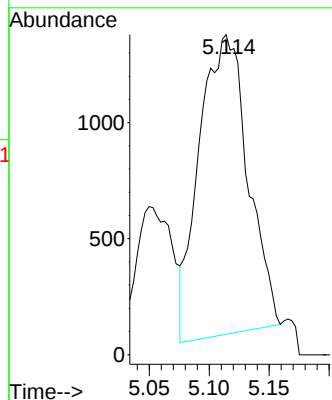
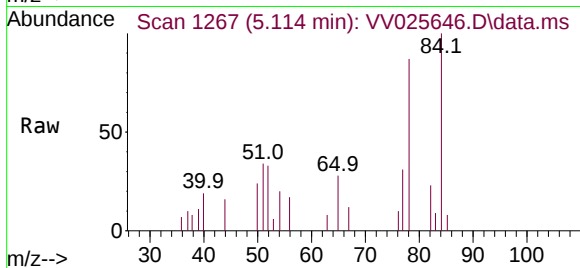




#33  
Benzene  
Concen: 0.117 ug/L  
RT: 5.114 min Scan# 11  
Delta R.T. 0.019 min  
Lab File: VV025646.D  
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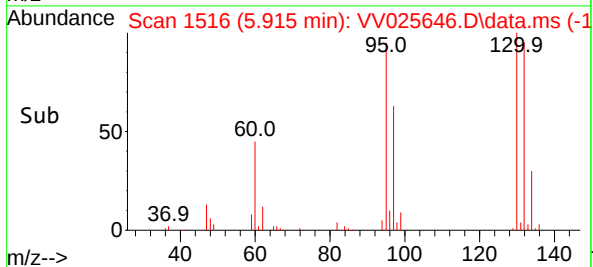
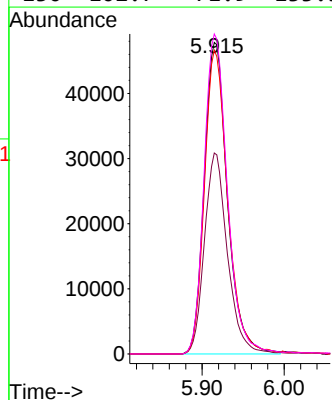
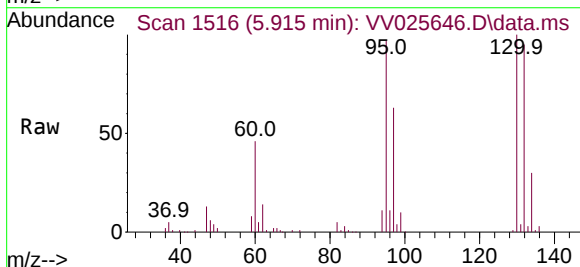
Tgt Ion: 78 Resp: 3643

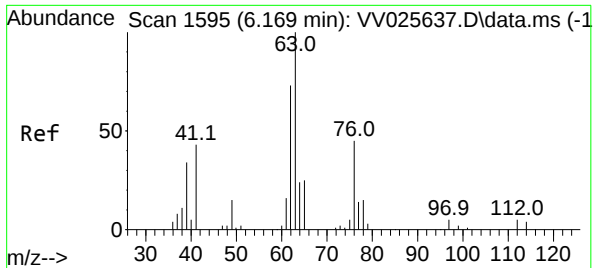


#34  
Trichloroethene  
Concen: 11.353 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

Tgt Ion: 95 Resp: 93972

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.5  | 45.8  | 85.2  |
| 132 | 97.5  | 68.0  | 126.4 |
| 130 | 102.7 | 71.9  | 133.5 |





#37

1,2-Dichloropropane

Concen: 0.114 ug/L

RT: 6.188 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV025646.D

Acq: 20 Apr 2022 15:13

Instrument :

MSVOA\_V

ClientSampleId :

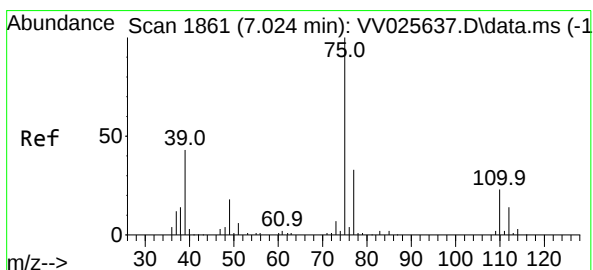
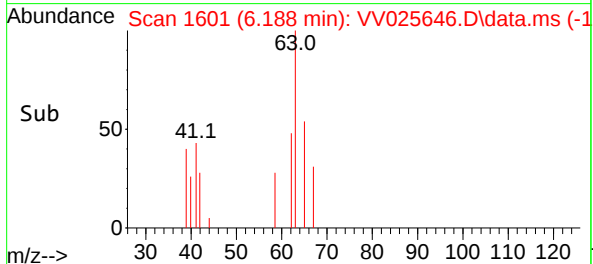
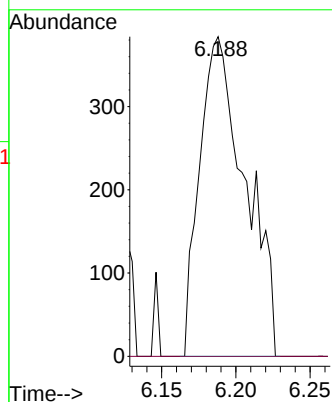
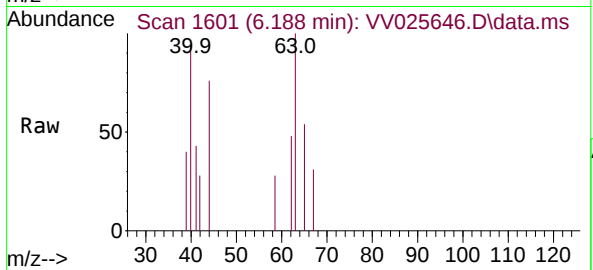
EW6T6

Tgt Ion: 63 Resp: 820

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025646.D

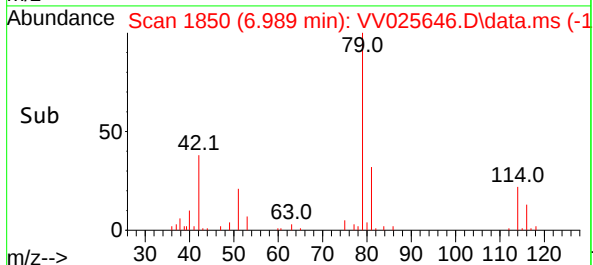
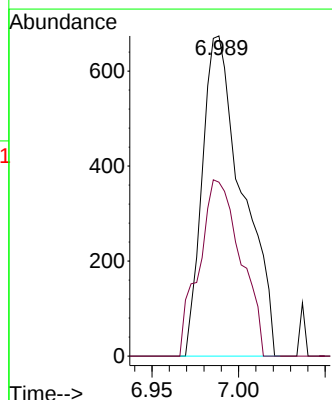
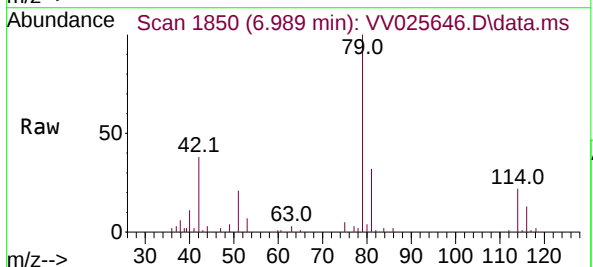
Acq: 20 Apr 2022 15:13

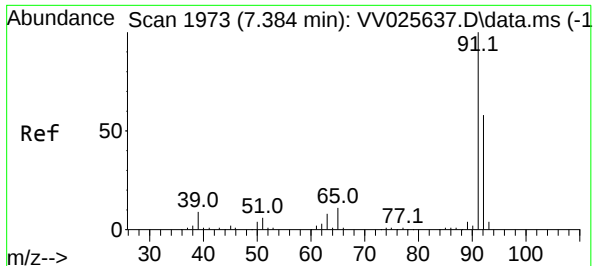
Tgt Ion: 75 Resp: 1087

Ion Ratio Lower Upper

75 100

77 54.3 21.8 40.6#





#42

Toluene

Concen: 0.213 ug/L

RT: 7.400 min Scan# 1973

Delta R.T. 0.016 min

Lab File: VV025646.D

Acq: 20 Apr 2022 15:13

Instrument :

MSVOA\_V

ClientSampleId :

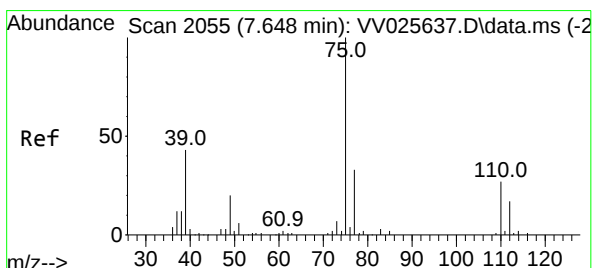
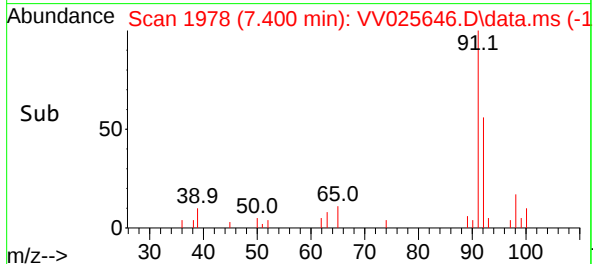
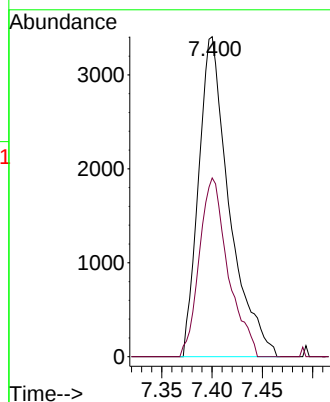
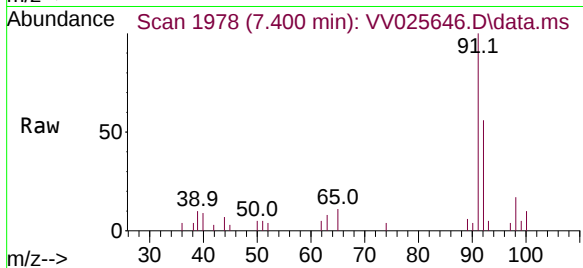
EW6T6

Tgt Ion: 91 Resp: 7217

Ion Ratio Lower Upper

91 100

92 55.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.628 min Scan# 2049

Delta R.T. -0.019 min

Lab File: VV025646.D

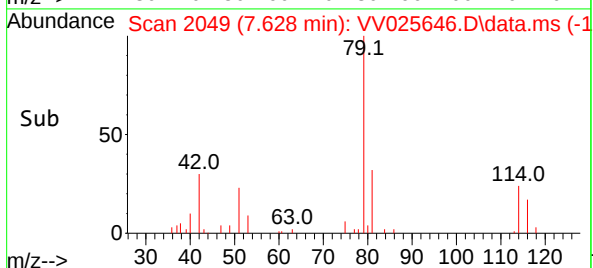
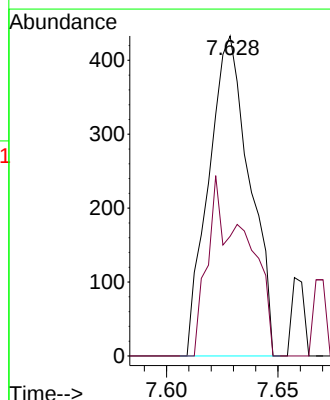
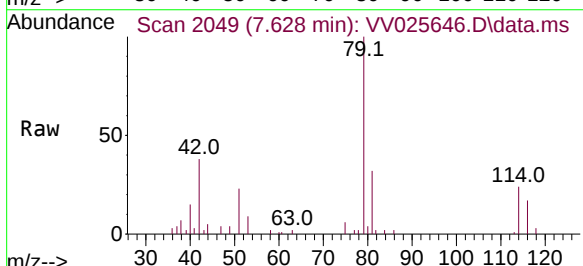
Acq: 20 Apr 2022 15:13

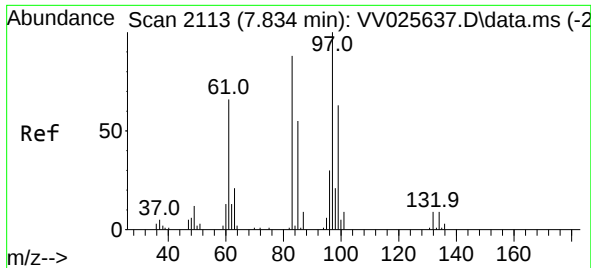
Tgt Ion: 75 Resp: 555

Ion Ratio Lower Upper

75 100

77 37.4 21.7 40.3

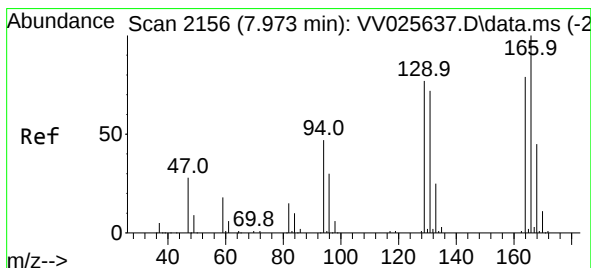
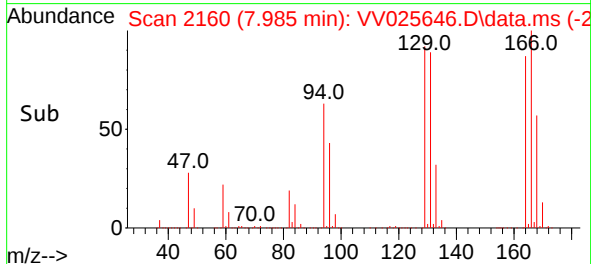
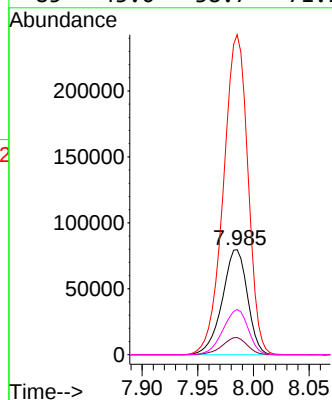
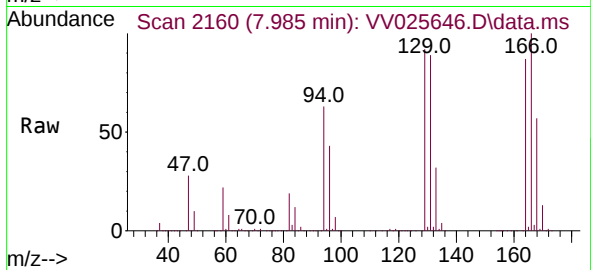




#45  
1,1,2-Trichloroethane  
Concen: 25.990 ug/L  
RT: 7.985 min Scan# 2113  
Delta R.T. 0.151 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

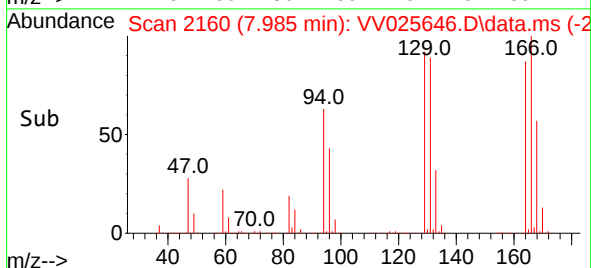
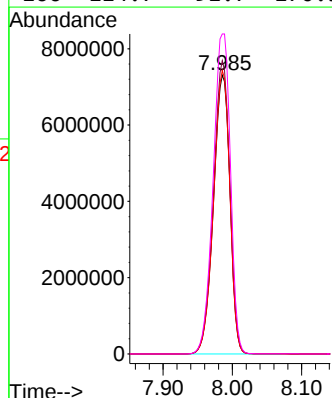
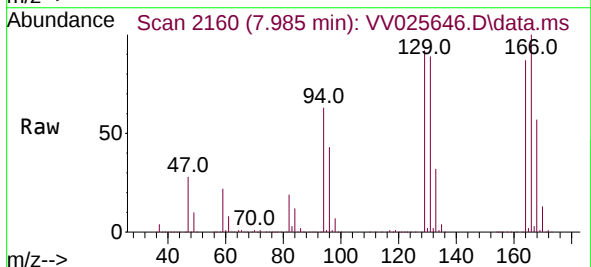
Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6T6

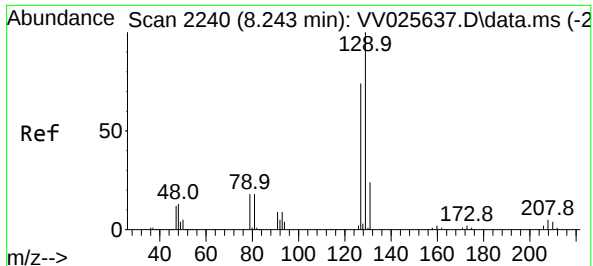
Tgt Ion: 97 Resp: 125522  
Ion Ratio Lower Upper  
97 100  
99 16.3 43.8 81.4#  
83 304.7 60.3 112.1#  
85 43.0 38.7 71.9



#47  
Tetrachloroethene  
Concen: 1869.626 ug/L  
RT: 7.985 min Scan# 2160  
Delta R.T. 0.013 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

Tgt Ion:164 Resp:12115870  
Ion Ratio Lower Upper  
164 100  
129 105.2 66.8 124.2  
131 101.7 66.4 123.4  
166 114.7 91.7 170.3





#49

Dibromochloromethane

Concen: 2354.659 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.257 min

Lab File: VV025646.D

Acq: 20 Apr 2022 15:13

Instrument :

MSVOA\_V

ClientSampleId :

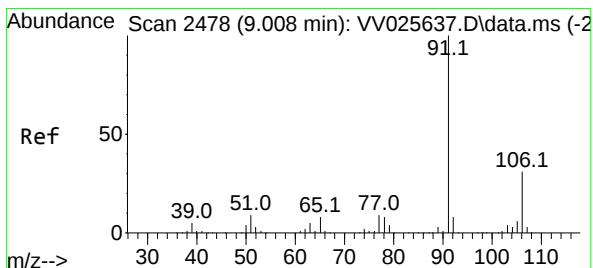
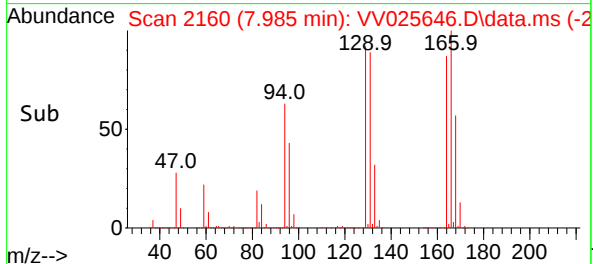
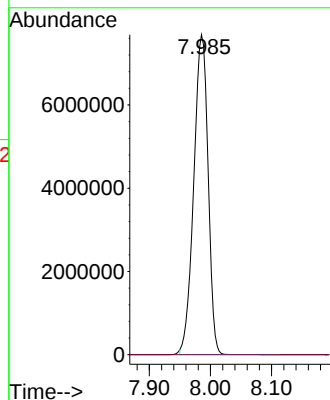
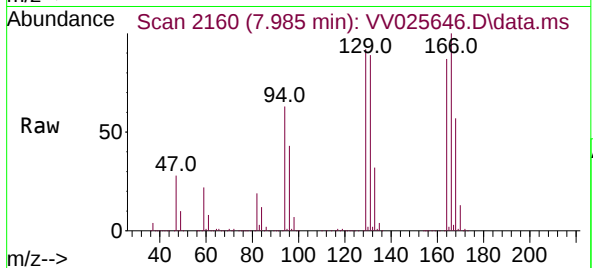
EW6T6

Tgt Ion:129 Resp:12484478

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#52

Ethylbenzene

Concen: 0.057 ug/L

RT: 9.027 min Scan# 2484

Delta R.T. 0.019 min

Lab File: VV025646.D

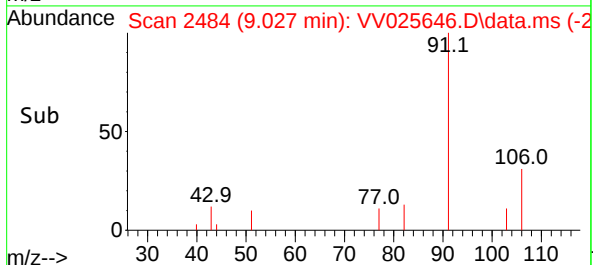
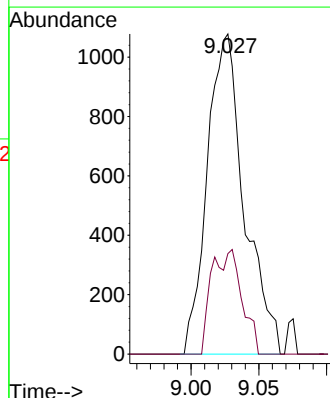
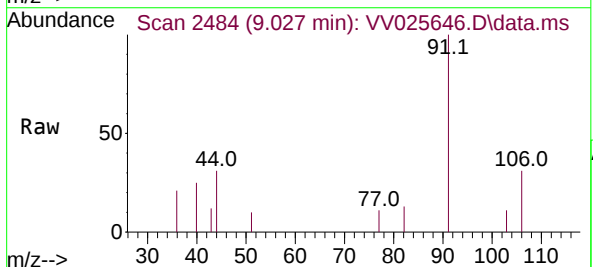
Acq: 20 Apr 2022 15:13

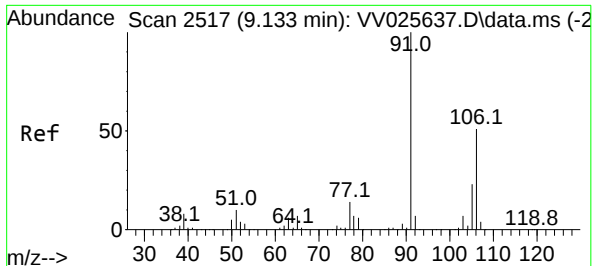
Tgt Ion: 91 Resp: 2046

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3

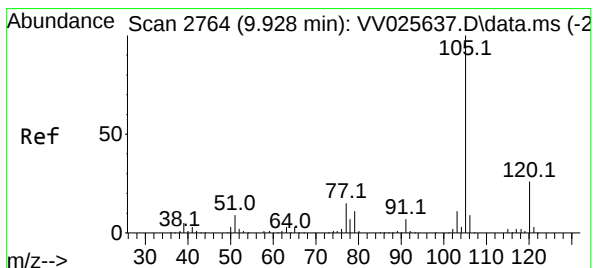
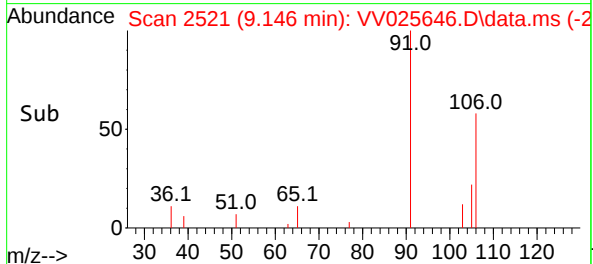
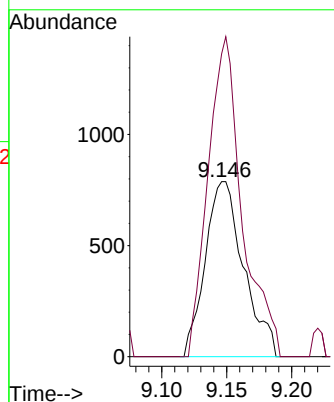
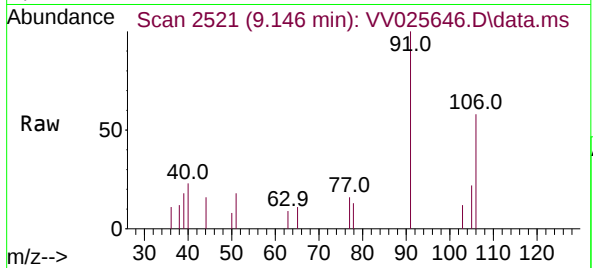




#53  
 m,p-Xylene  
 Concen: 0.118 ug/L  
 RT: 9.146 min Scan# 21  
 Delta R.T. 0.013 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

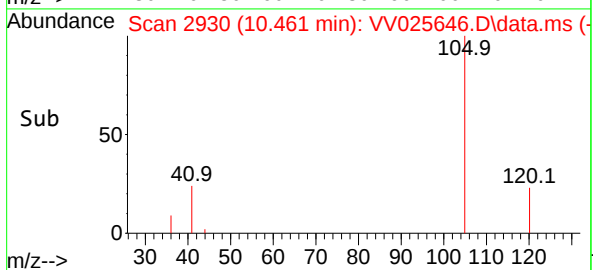
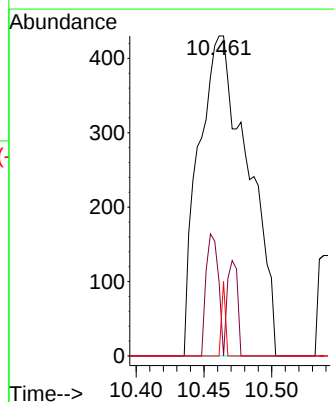
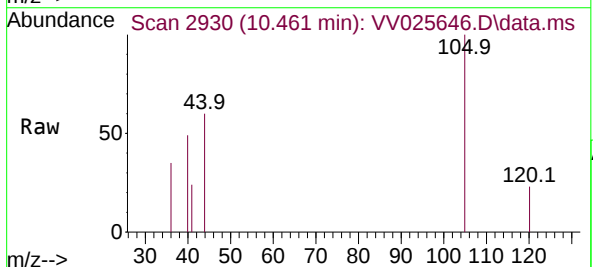
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6T6

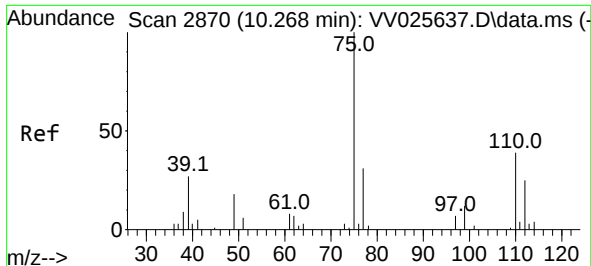
Tgt Ion:106 Resp: 1619  
 Ion Ratio Lower Upper  
 106 100  
 91 173.0 136.4 253.4



#60  
 Isopropylbenzene  
 Concen: 0.038 ug/L  
 RT: 10.461 min Scan# 2930  
 Delta R.T. 0.534 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

Tgt Ion:105 Resp: 1084  
 Ion Ratio Lower Upper  
 105 100  
 120 9.5 21.2 31.8#  
 77 0.0 12.2 18.2#

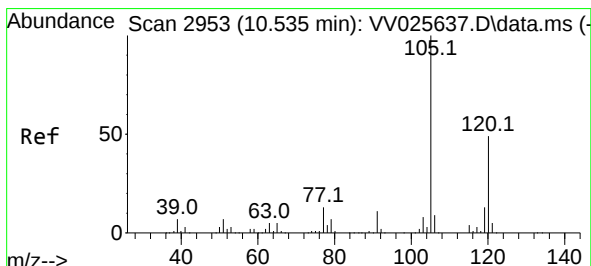
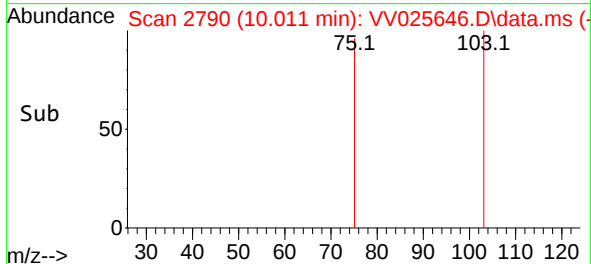
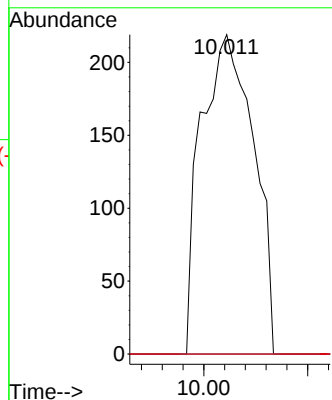
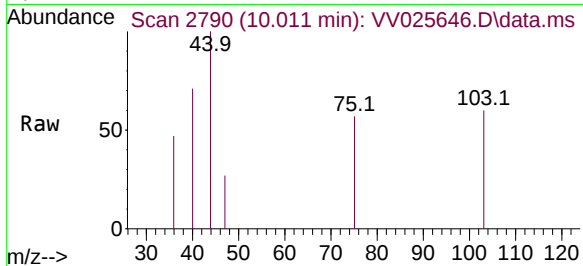




#61  
 1,2,3-Trichloropropane  
 Concen: 0.128 ug/L  
 RT: 10.011 min Scan# 21  
 Delta R.T. -0.257 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

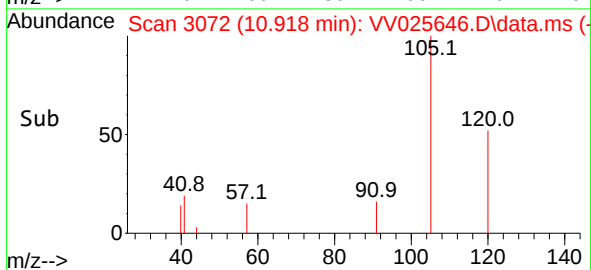
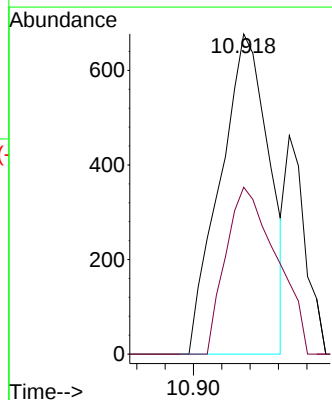
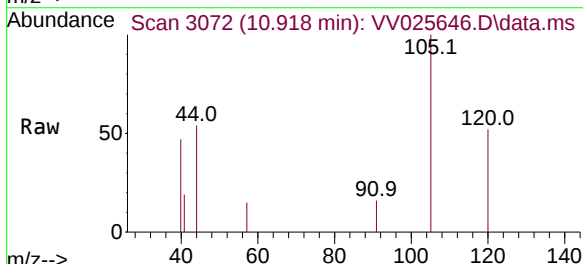
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW6T6

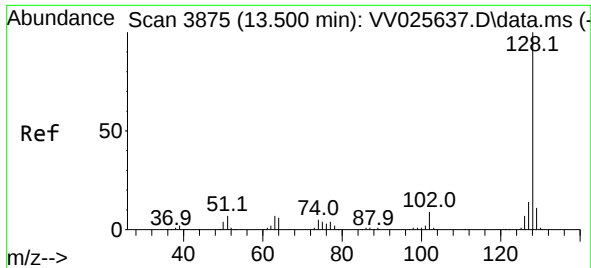
Tgt Ion: 75 Resp: 384  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.6 38.4#  
 110 0.0 34.7 52.1#



#62  
 1,3,5-Trimethylbenzene  
 Concen: 0.064 ug/L  
 RT: 10.918 min Scan# 3072  
 Delta R.T. 0.383 min  
 Lab File: VV025646.D  
 Acq: 20 Apr 2022 15:13

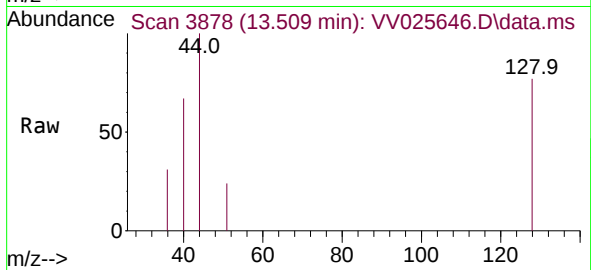
Tgt Ion: 105 Resp: 811  
 Ion Ratio Lower Upper  
 105 100  
 120 54.0 39.6 59.4





#71  
Naphthalene  
Concen: 0.055 ug/L  
RT: 13.509 min Scan# 3875  
Delta R.T. 0.010 min  
Lab File: VV025646.D  
Acq: 20 Apr 2022 15:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
EW6T6



Tgt Ion:128 Resp: 620  
Ion Ratio Lower Upper  
128 100  
129 0.0 8.8 13.2#  
127 0.0 10.4 15.6#

