

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040822\  
 Data File : VV025423.D  
 Acq On : 08 Apr 2022 20:41  
 Operator : SY/MD  
 Sample : N2219-03  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YB2H0

Quant Time: Apr 09 06:26:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 09 06:16:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 126490   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 116879   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 53337    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 66152    | 5.625    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 112.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 60398    | 4.828    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.600%   |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 113619   | 4.823    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.400%   |
| 20) 2-Butanone-d5             | 3.892  | 46    | 71024    | 49.651   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.300%   |
| 24) Chloroform-d              | 4.352  | 84    | 88090    | 4.957    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 40913    | 5.343    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.800%  |
| 32) Benzene-d6                | 5.053  | 84    | 188766   | 5.582    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 111.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 53580    | 5.681    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 113.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 166032   | 5.291    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.800%  |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 14171    | 4.470    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.400%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 55562    | 49.940   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 99.880%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 31276    | 5.249    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 55148    | 6.167    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 123.400%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.243  | 50    | 946      | 0.076    | ug/L   | 97        |
| 8) Chloroethane               | 1.310  | 64    | 809      | 0.075    | ug/L # | 1         |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 6404     | 0.325    | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118  | 101   | 3309     | 0.299    | ug/L # | 71        |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 25435    | 2.318    | ug/L # | 65        |
| 17) Methyl tert-butyl Ether   | 2.777  | 73    | 653      | 0.038    | ug/L # | 68        |
| 18) trans-1,2-Dichloroethene  | 2.770  | 96    | 3067     | 0.334    | ug/L   | 91        |
| 19) 1,1-Dichloroethane        | 3.195  | 63    | 2375     | 0.153    | ug/L   | 96        |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 27964    | 2.889    | ug/L   | 96        |
| 25) Chloroform                | 4.378  | 83    | 16785    | 1.021    | ug/L   | 86        |
| 27) 1,2-Dichloroethane        | 5.150  | 62    | 906      | 0.104    | ug/L # | 71        |
| 31) Carbon tetrachloride      | 4.828  | 117   | 8017     | 0.688    | ug/L   | 97        |
| 34) Trichloroethene           | 5.912  | 95    | 706045   | 77.018   | ug/L   | 99        |
| 35) Methylcyclohexane         | 6.069  | 83    | 12821    | 0.876    | ug/L # | 21        |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 6036     | 0.756    | ug/L # | 85        |
| 38) Bromodichloromethane      | 6.519  | 83    | 818      | 0.082    | ug/L # | 91        |
| 44) trans-1,3-Dichloropropene | 7.625  | 75    | 631      | 0.078    | ug/L   | 91        |
| 47) Tetrachloroethene         | 7.976  | 164   | 54902    | 7.650    | ug/L   | 96        |
| 49) Dibromochloromethane      | 7.976  | 129   | 51290    | 8.735    | ug/L # | 11        |

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Sample : N2219-03  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

Quant Time: Apr 09 06:26:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Apr 09 06:16:16 2022  
Response via : Initial Calibration

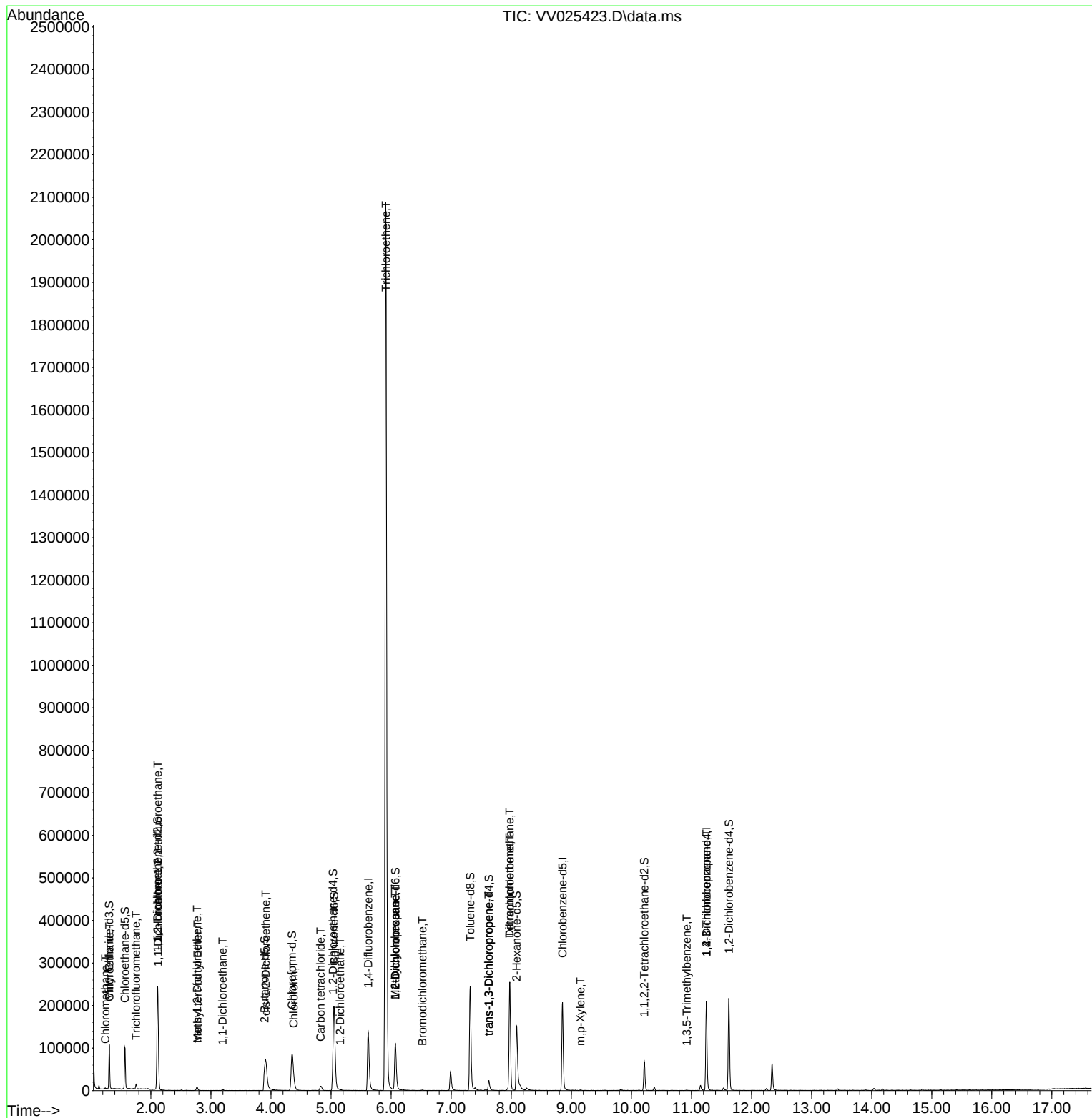
| Compound                   | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-------|--------|----------|
| 53) m,p-Xylene             | 9.149  | 106  | 501      | 0.033 | ug/L   | 94       |
| 61) 1,2,3-Trichloropropane | 11.249 | 75   | 6351     | 1.808 | ug/L # | 59       |
| 62) 1,3,5-Trimethylbenzene | 10.921 | 105  | 520      | 0.035 | ug/L   | 90       |

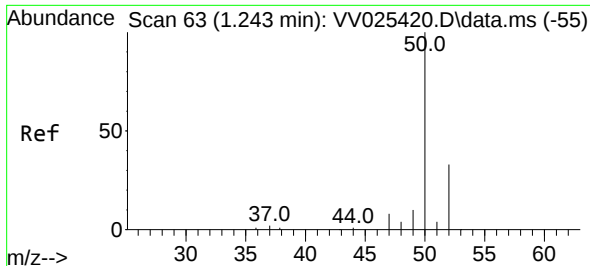
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040822\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
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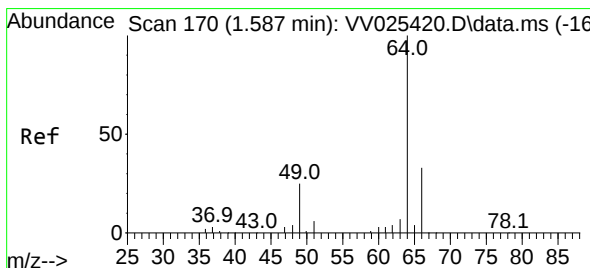
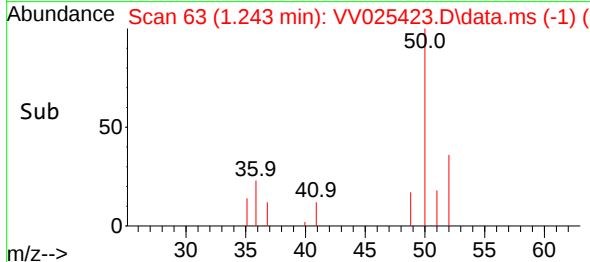
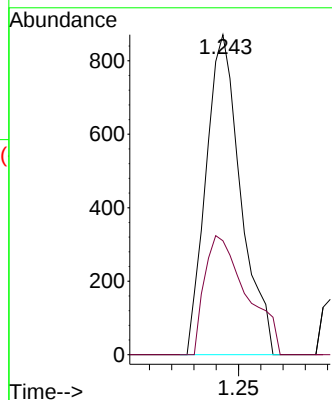
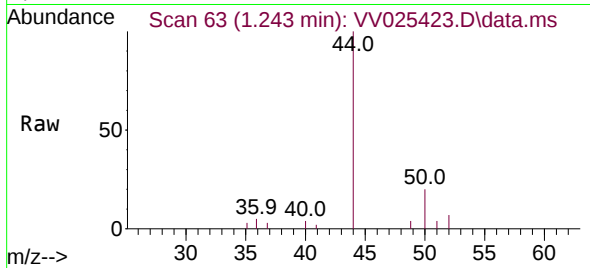




#3  
Chloromethane  
Concen: 0.076 ug/L  
RT: 1.243 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

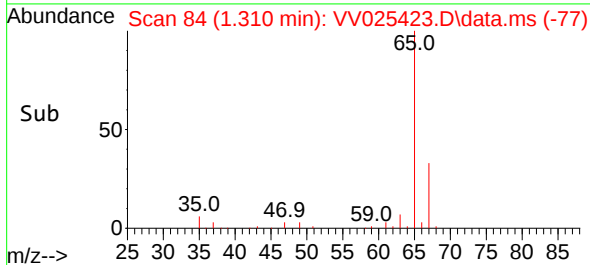
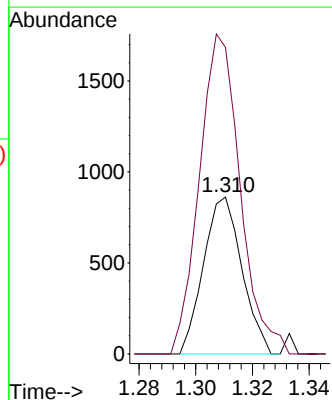
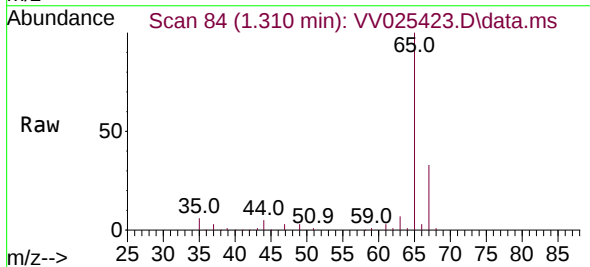
Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

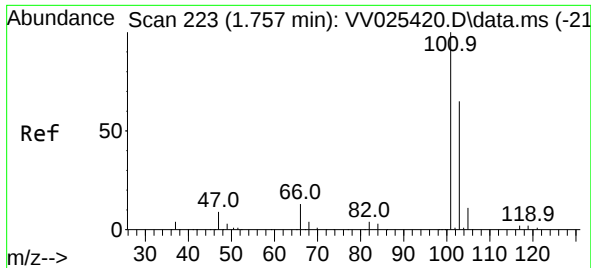
Tgt Ion: 50 Resp: 946  
Ion Ratio Lower Upper  
50 100  
52 35.6 23.7 43.9



#8  
Chloroethane  
Concen: 0.075 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. -0.277 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 64 Resp: 809  
Ion Ratio Lower Upper  
64 100  
66 195.6 21.8 40.6#

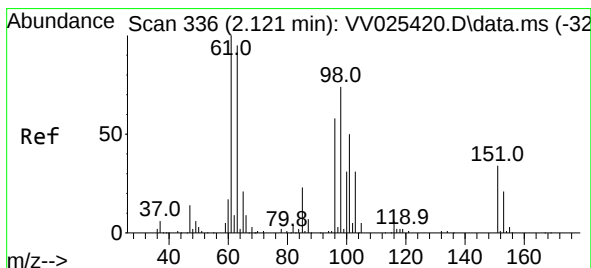
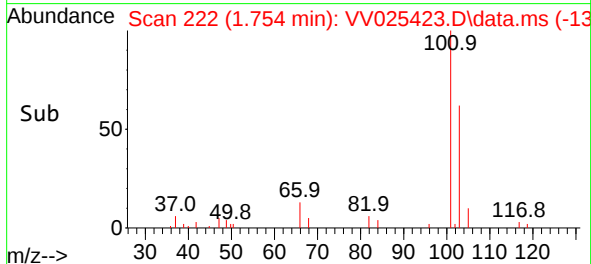
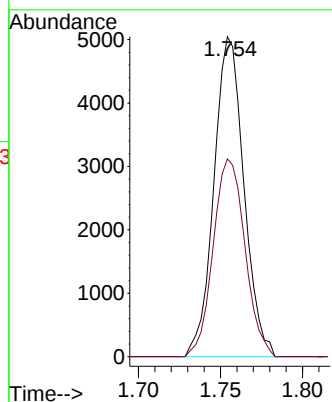
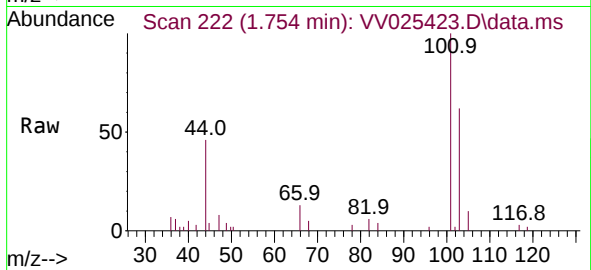




#9  
 Trichlorofluoromethane  
 Concen: 0.325 ug/L  
 RT: 1.754 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV025423.D  
 Acq: 08 Apr 2022 20:41

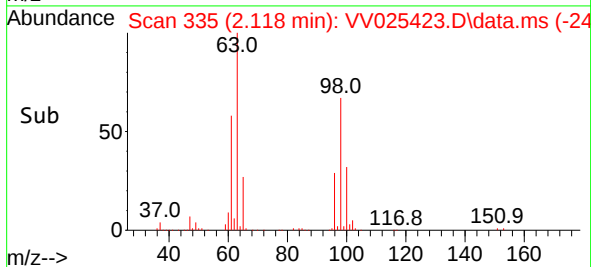
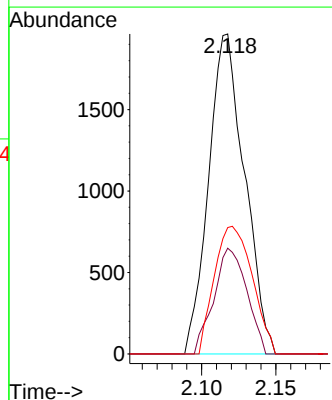
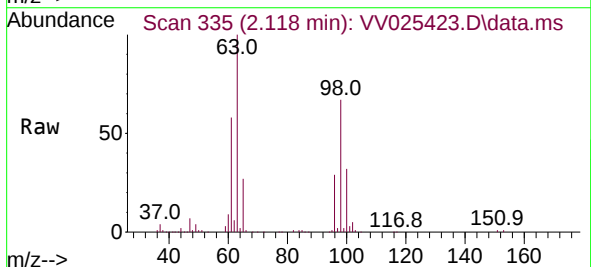
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YB2H0

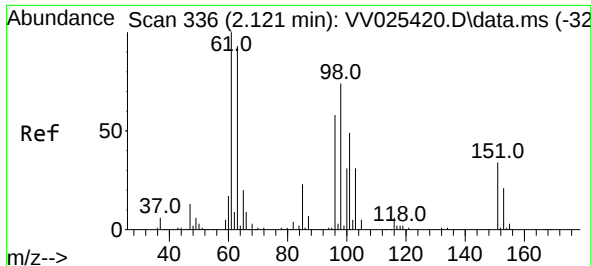
Tgt Ion:101 Resp: 6404  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 51.9 77.9



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.299 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.003 min  
 Lab File: VV025423.D  
 Acq: 08 Apr 2022 20:41

Tgt Ion:101 Resp: 3309  
 Ion Ratio Lower Upper  
 101 100  
 85 30.3 35.9 53.9#  
 151 42.1 56.0 84.0#

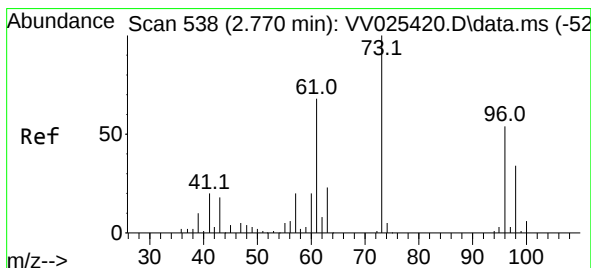
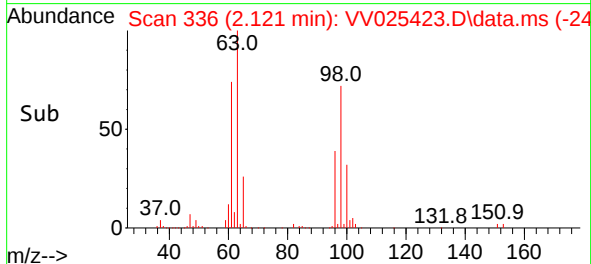
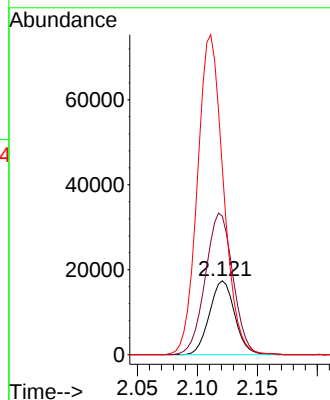
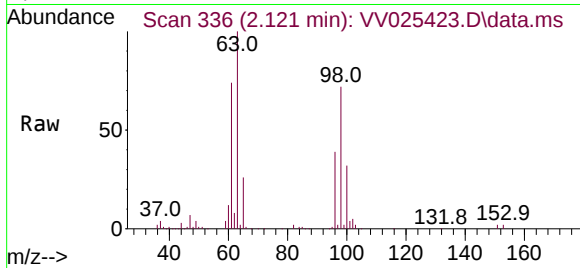




#12  
1,1-Dichloroethene  
Concen: 2.318 ug/L  
RT: 2.121 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

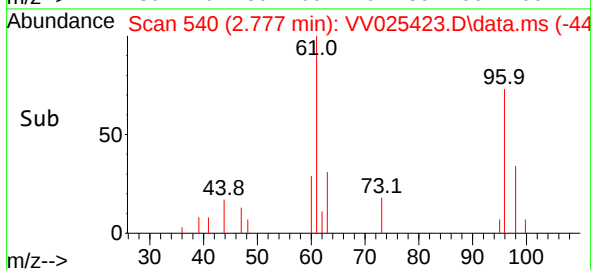
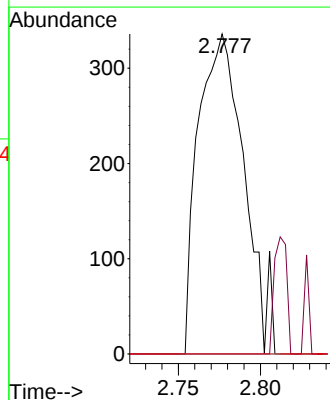
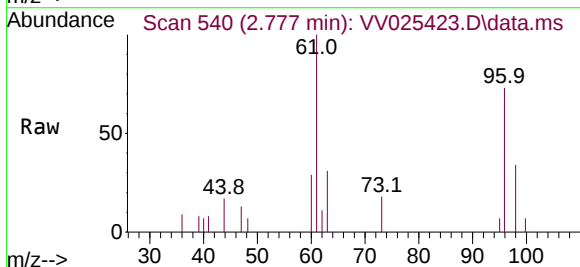
Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

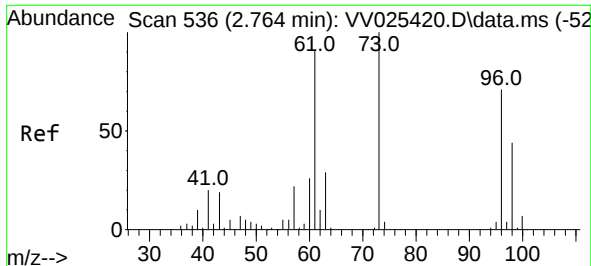
Tgt Ion: 96 Resp: 25435  
Ion Ratio Lower Upper  
96 100  
61 187.5 125.2 232.4  
63 253.3 114.4 212.4#



#17  
Methyl tert-butyl Ether  
Concen: 0.038 ug/L  
RT: 2.777 min Scan# 540  
Delta R.T. 0.006 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 73 Resp: 653  
Ion Ratio Lower Upper  
73 100  
43 10.0 14.2 21.4#  
57 0.0 16.1 24.1#

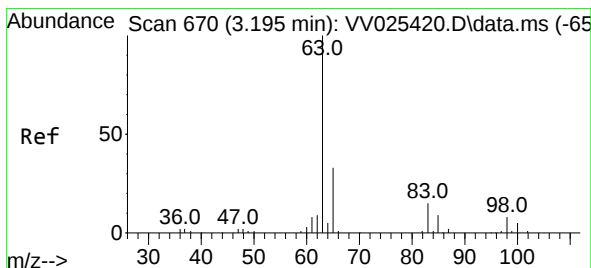
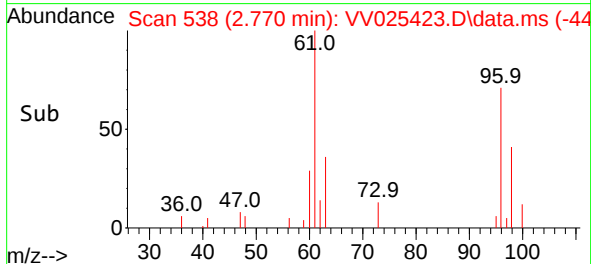
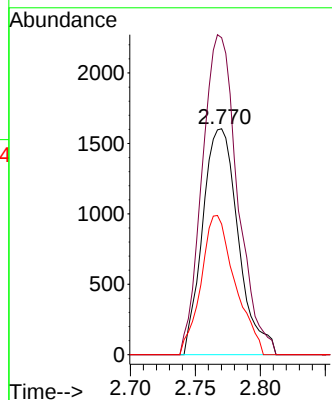
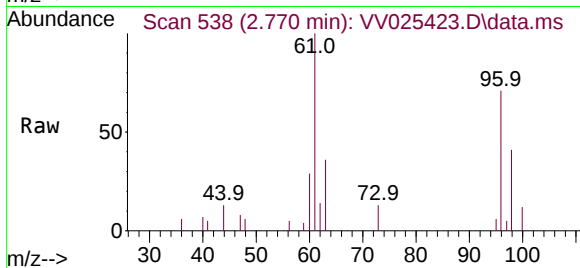




#18  
trans-1,2-Dichloroethene  
Concen: 0.334 ug/L  
RT: 2.770 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

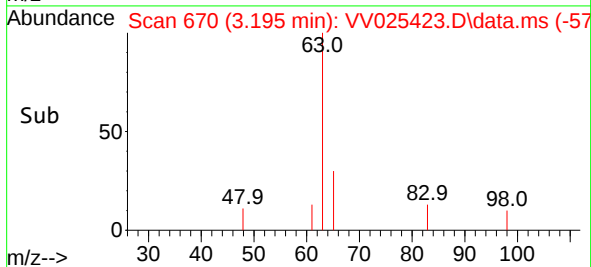
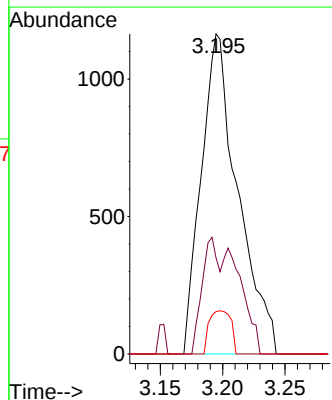
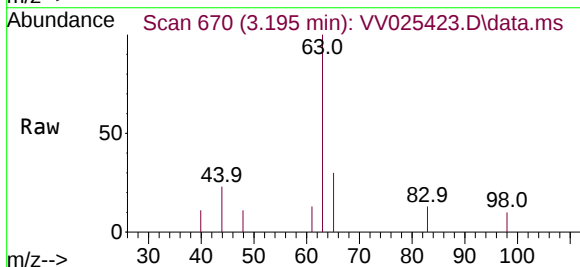
Instrument :  
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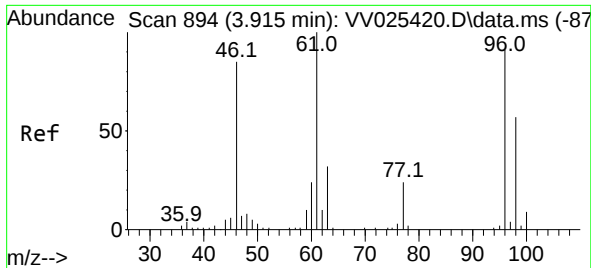
Tgt Ion: 96 Resp: 3067  
Ion Ratio Lower Upper  
96 100  
61 140.3 92.1 171.1  
98 57.8 47.5 88.1



#19  
1,1-Dichloroethane  
Concen: 0.153 ug/L  
RT: 3.195 min Scan# 670  
Delta R.T. -0.000 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 63 Resp: 2375  
Ion Ratio Lower Upper  
63 100  
65 30.1 23.2 43.0  
83 13.2 9.0 16.8



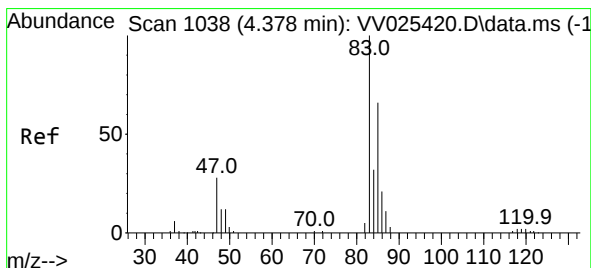
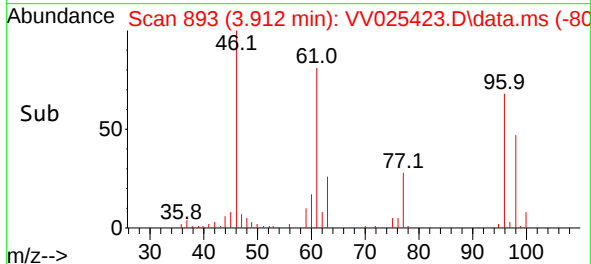
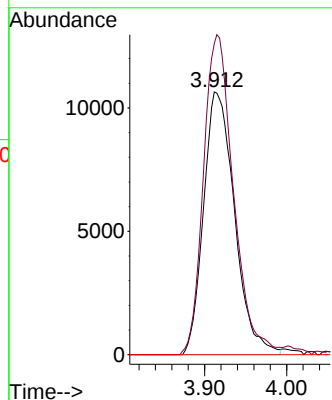
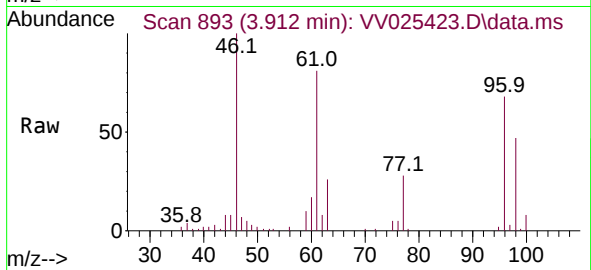


#22  
 cis-1,2-Dichloroethene  
 Concen: 2.889 ug/L  
 RT: 3.912 min Scan# 894  
 Delta R.T. -0.003 min  
 Lab File: VV025423.D  
 Acq: 08 Apr 2022 20:41

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YB2H0

Tgt Ion: 96 Resp: 27964  

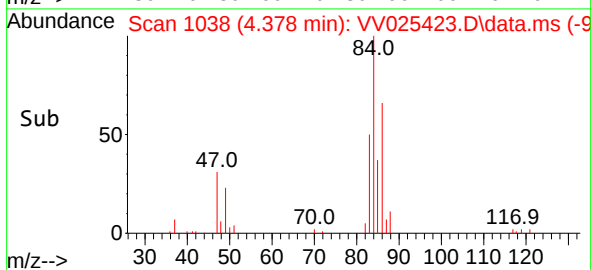
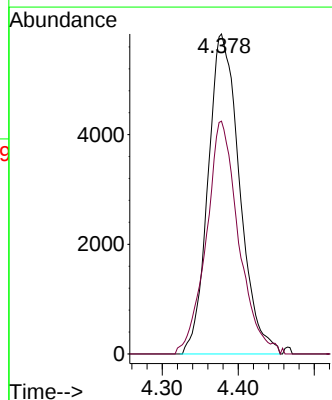
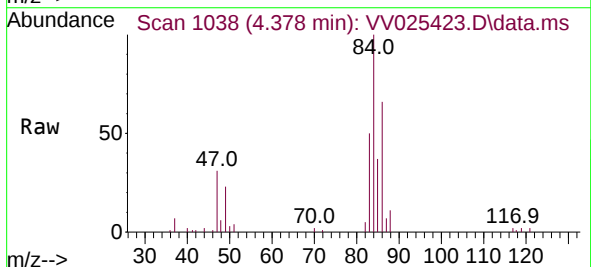
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 118.4 | 80.0  | 148.6 |
| 68  | 0.0   | 0.0   | 0.0   |

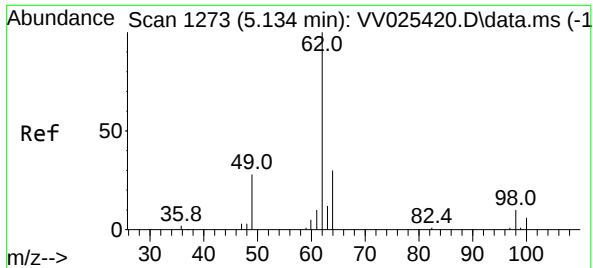


#25  
 Chloroform  
 Concen: 1.021 ug/L  
 RT: 4.378 min Scan# 1038  
 Delta R.T. -0.000 min  
 Lab File: VV025423.D  
 Acq: 08 Apr 2022 20:41

Tgt Ion: 83 Resp: 16785  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 72.7  | 43.5  | 80.7  |





#27

1,2-Dichloroethane

Concen: 0.104 ug/L

RT: 5.150 min Scan# 1178

Delta R.T. 0.016 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA\_V

ClientSampleId :

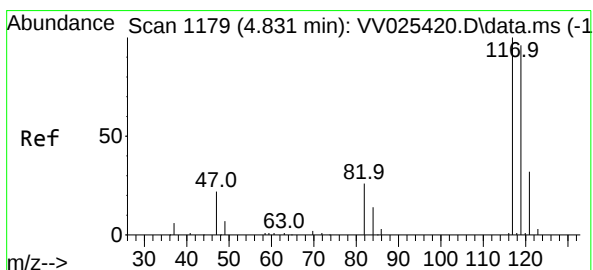
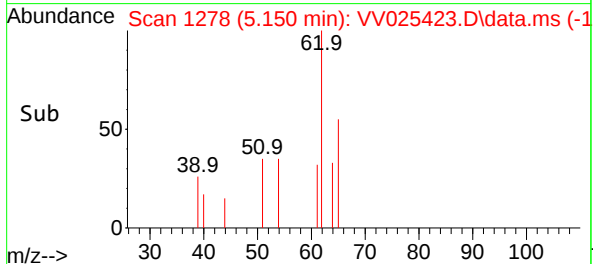
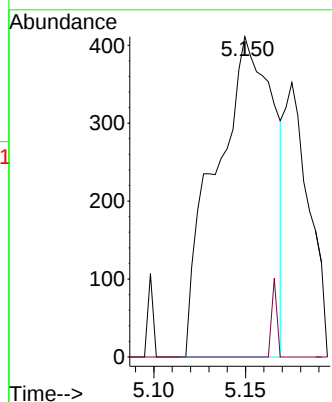
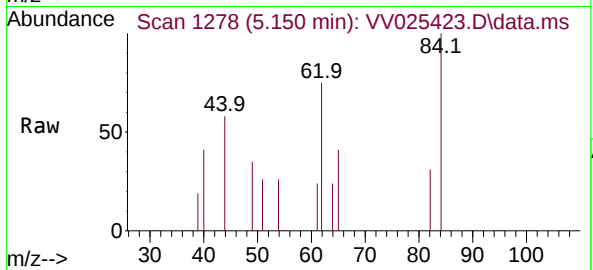
YB2H0

Tgt Ion: 62 Resp: 906

Ion Ratio Lower Upper

62 100

98 0.0 8.8 13.2#



#31

Carbon tetrachloride

Concen: 0.688 ug/L

RT: 4.828 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VV025423.D

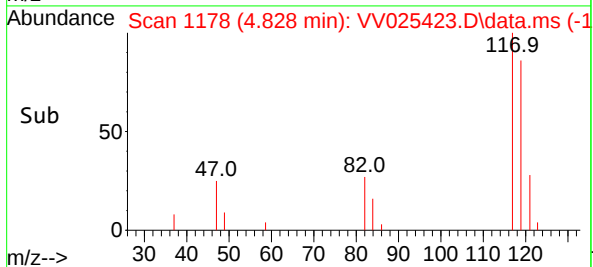
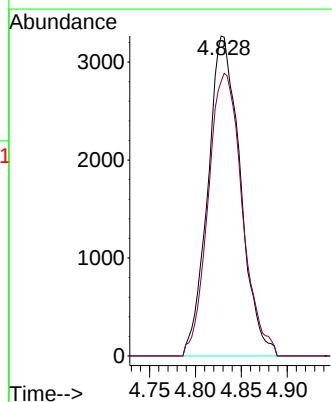
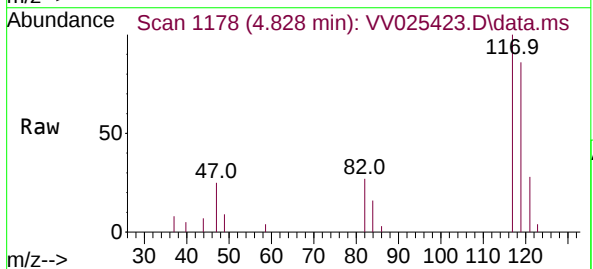
Acq: 08 Apr 2022 20:41

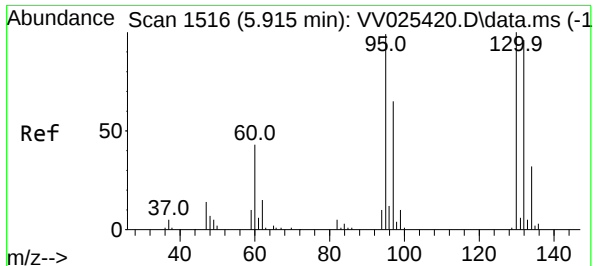
Tgt Ion: 117 Resp: 8017

Ion Ratio Lower Upper

117 100

119 92.8 76.6 114.8

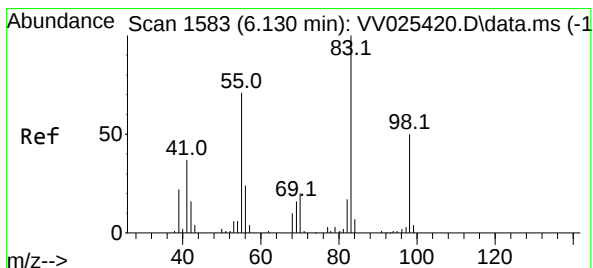
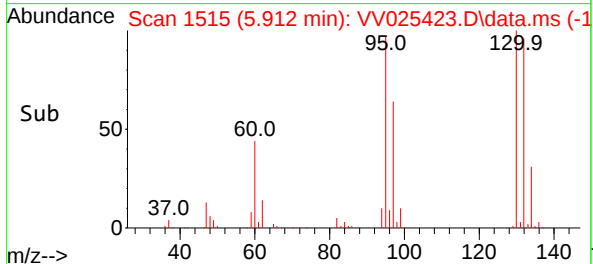
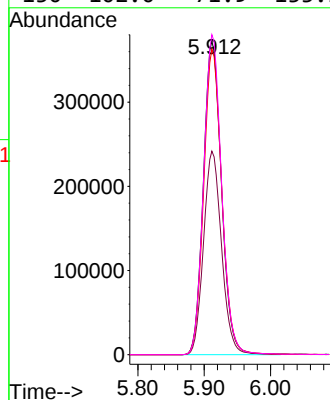
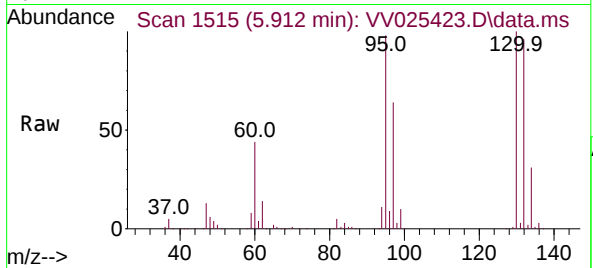




#34  
Trichloroethene  
Concen: 77.018 ug/L  
RT: 5.912 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

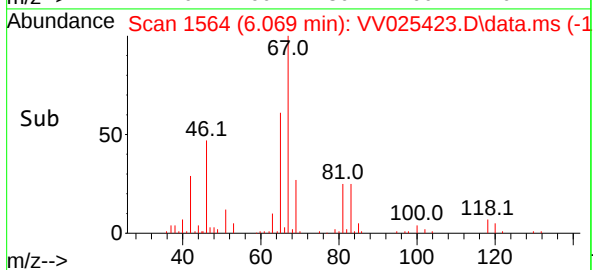
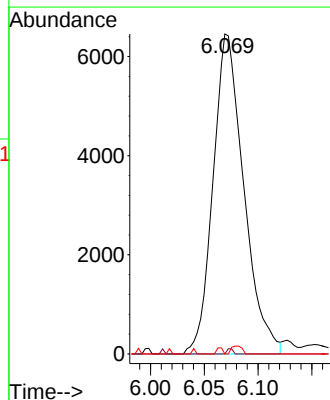
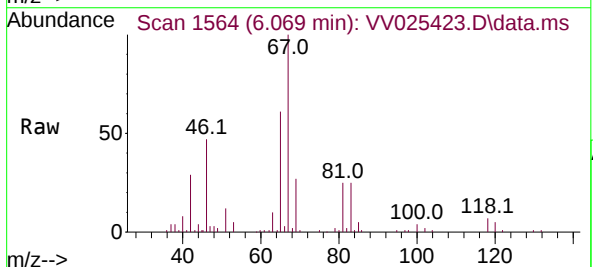
Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

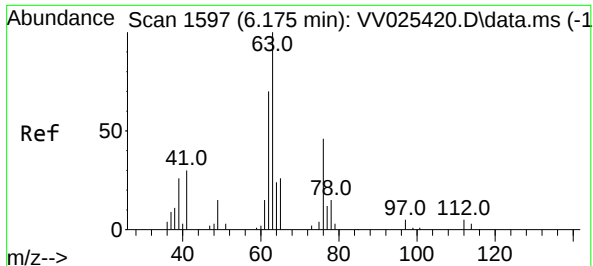
Tgt Ion: 95 Resp: 706045  
Ion Ratio Lower Upper  
95 100  
97 64.9 45.8 85.2  
132 97.4 68.0 126.4  
130 102.0 71.9 133.5



#35  
Methylcyclohexane  
Concen: 0.876 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.061 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 83 Resp: 12821  
Ion Ratio Lower Upper  
83 100  
55 0.3 53.7 80.5#  
98 0.0 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.756 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA\_V

ClientSampleId :

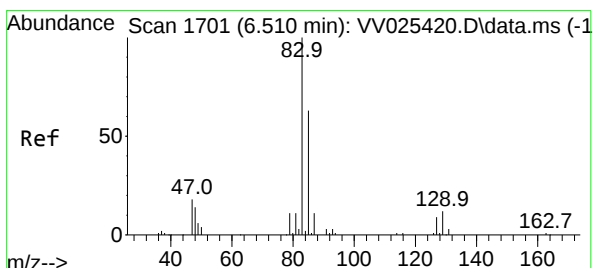
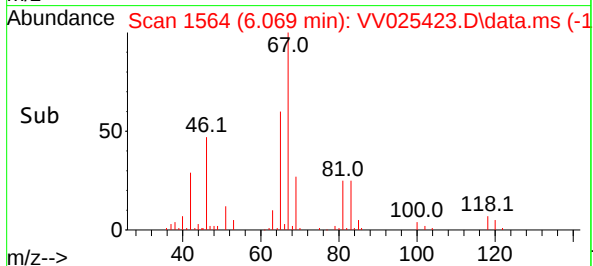
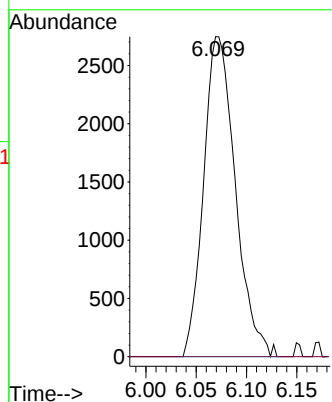
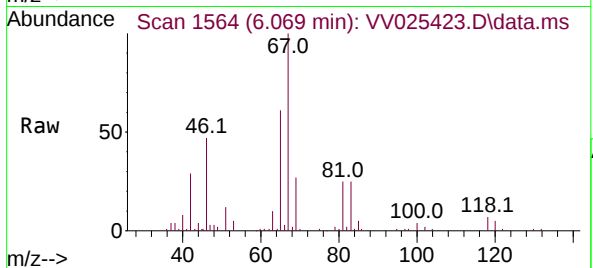
YB2H0

Tgt Ion: 63 Resp: 6036

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.082 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.010 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

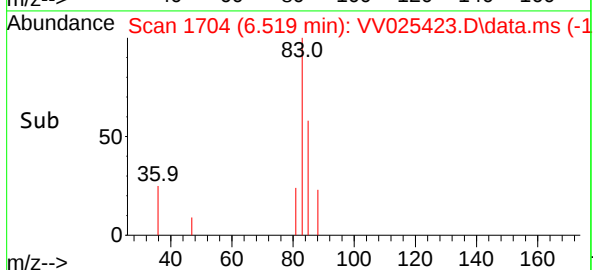
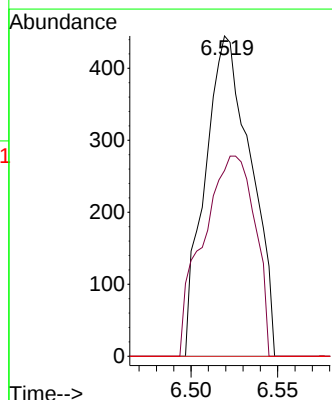
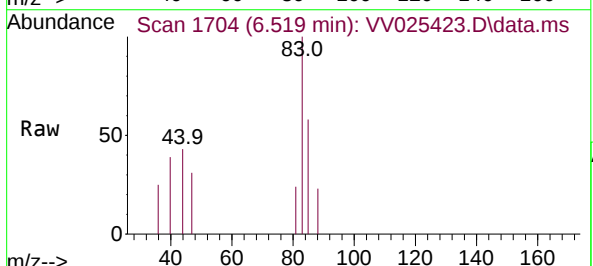
Tgt Ion: 83 Resp: 818

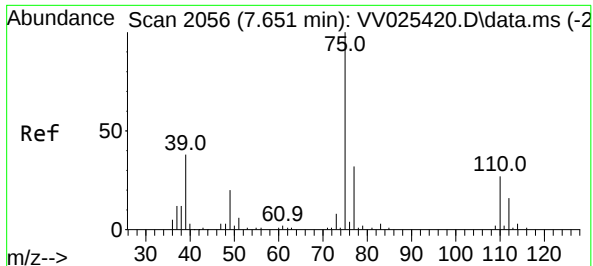
Ion Ratio Lower Upper

83 100

85 58.0 44.4 82.4

127 0.0 7.2 10.8#

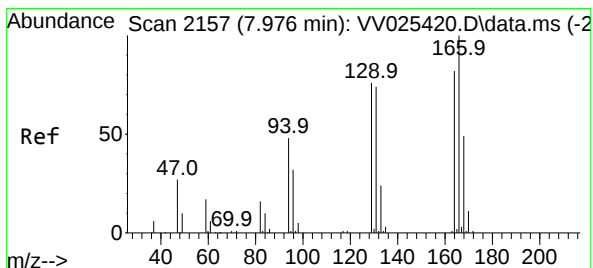
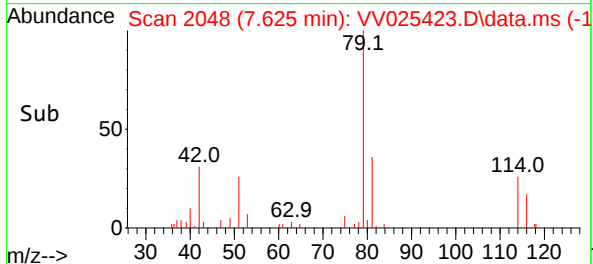
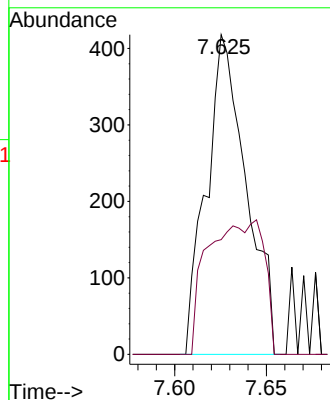
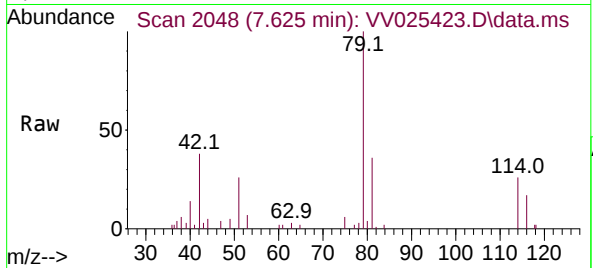




#44  
trans-1,3-Dichloropropene  
Concen: 0.078 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.026 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

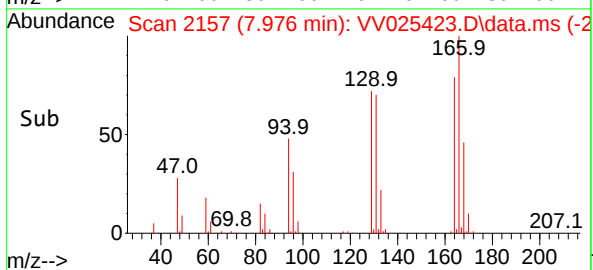
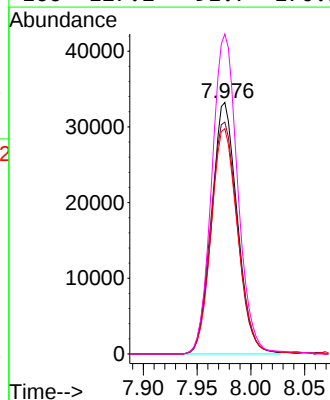
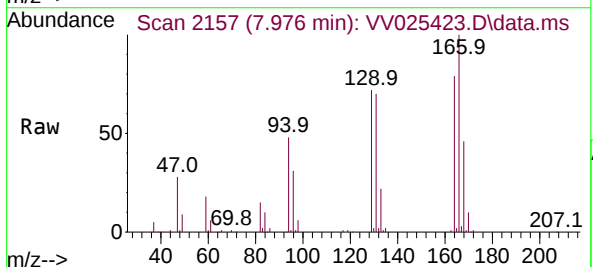
Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

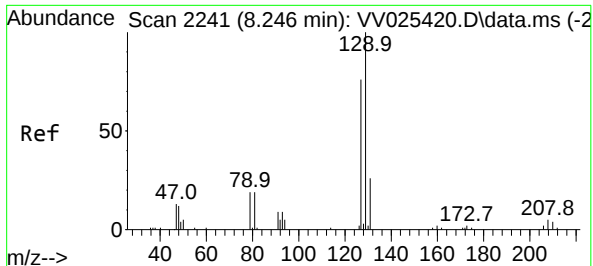
Tgt Ion: 75 Resp: 631  
Ion Ratio Lower Upper  
75 100  
77 35.9 21.7 40.3



#47  
Tetrachloroethene  
Concen: 7.650 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 164 Resp: 54902  
Ion Ratio Lower Upper  
164 100  
129 92.2 66.8 124.2  
131 89.6 66.4 123.4  
166 127.2 91.7 170.3





#49

Dibromochloromethane

Concen: 8.735 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025423.D

Acq: 08 Apr 2022 20:41

Instrument :

MSVOA\_V

ClientSampleId :

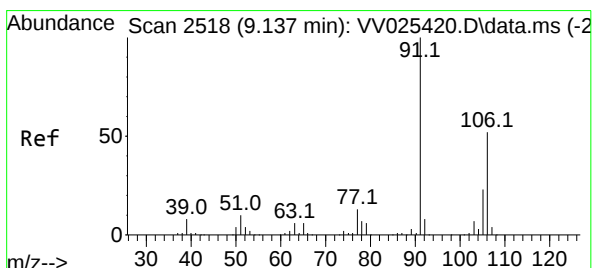
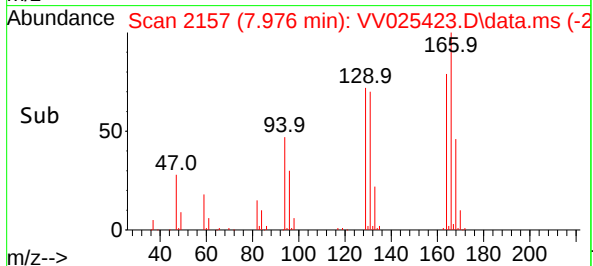
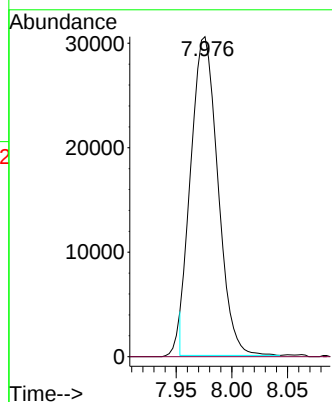
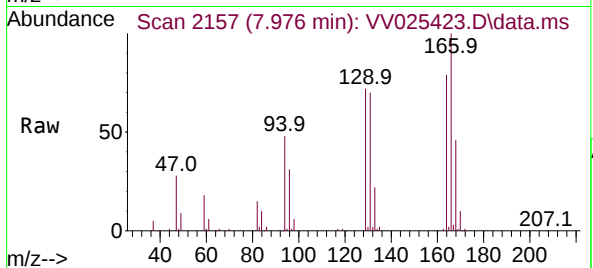
YB2H0

Tgt Ion:129 Resp: 51290

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#53

m,p-Xylene

Concen: 0.033 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV025423.D

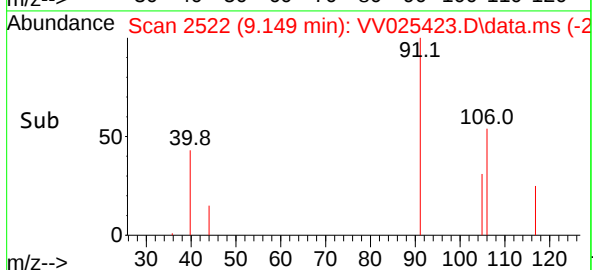
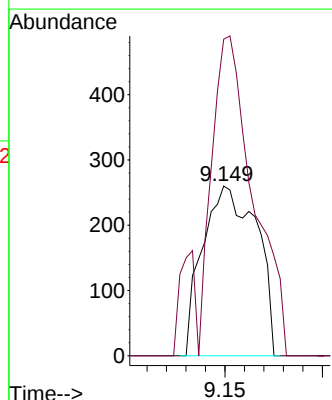
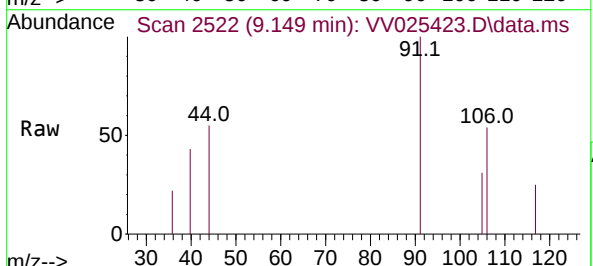
Acq: 08 Apr 2022 20:41

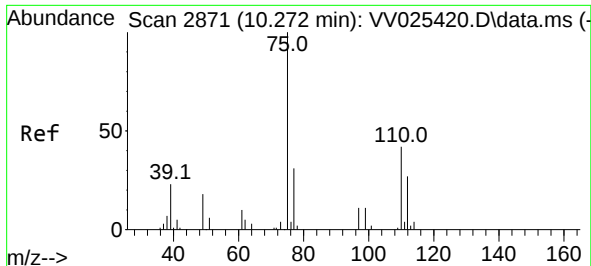
Tgt Ion:106 Resp: 501

Ion Ratio Lower Upper

106 100

91 186.5 136.4 253.4

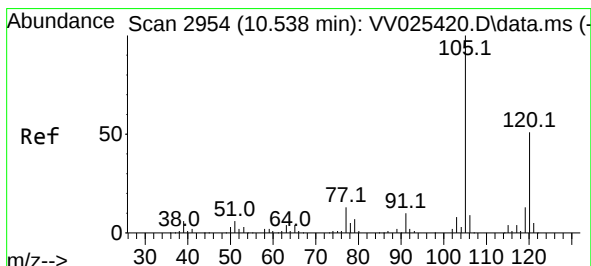
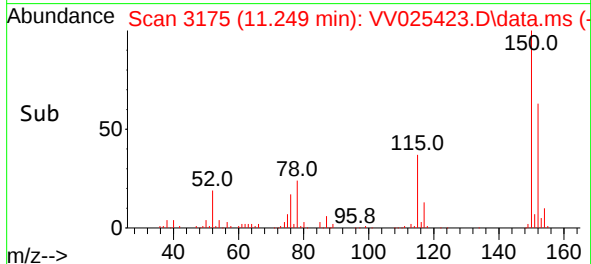
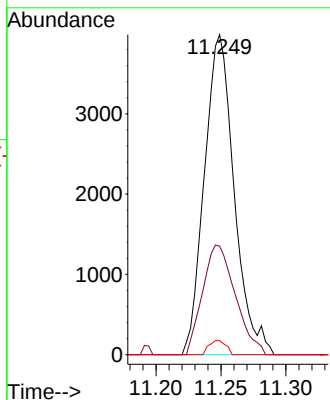
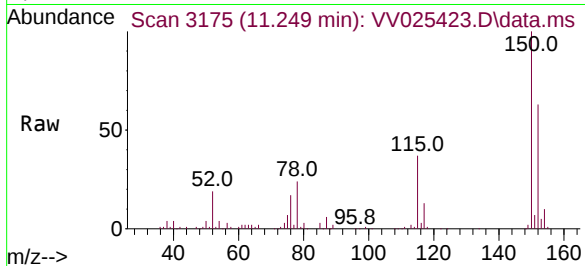




#61  
1,2,3-Trichloropropane  
Concen: 1.808 ug/L  
RT: 11.249 min Scan# 3175  
Delta R.T. 0.977 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Instrument :  
MSVOA\_V  
ClientSampleId :  
YB2H0

Tgt Ion: 75 Resp: 6351  
Ion Ratio Lower Upper  
75 100  
77 37.7 25.6 38.4  
110 2.5 34.7 52.1#



#62  
1,3,5-Trimethylbenzene  
Concen: 0.035 ug/L  
RT: 10.921 min Scan# 3073  
Delta R.T. 0.383 min  
Lab File: VV025423.D  
Acq: 08 Apr 2022 20:41

Tgt Ion: 105 Resp: 520  
Ion Ratio Lower Upper  
105 100  
120 42.3 39.6 59.4

