

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW013023\  
 Data File : VW030000.D  
 Acq On : 30 Jan 2023 18:34  
 Operator : SY/MD  
 Sample : 01314-21MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 31 02:21:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 31 02:16:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.606   | 114   | 491899   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.841   | 117   | 476814   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236  | 152   | 289778   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 140445   | 40.975   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.960%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 132037   | 45.793   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.580%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 291611   | 47.876   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.760%  |
| 21) 2-Butanone-d5             | 3.864   | 46    | 222428   | 111.366  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 111.370% |
| 24) Chloroform-d              | 4.336   | 84    | 286718   | 44.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.980%  |
| 26) 1,2-Dichloroethane-d4     | 5.021   | 65    | 160485   | 44.982   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.960%  |
| 32) Benzene-d6                | 5.040   | 84    | 580101   | 45.474   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.940%  |
| 36) 1,2-Dichloropropane-d6    | 6.060   | 67    | 192153   | 48.935   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.860%  |
| 41) Toluene-d8                | 7.304   | 98    | 520791   | 44.548   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.100%  |
| 43) trans-1,3-Dichloroprop... | 7.609   | 79    | 83768    | 48.027   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.060%  |
| 47) 2-Hexanone-d5             | 8.079   | 63    | 183036   | 108.409  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.410% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204  | 84    | 293755   | 48.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.715  | 152   | 43       | 0.008    | ug/L   | 0.11     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 0.020%#  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124   | 85    | 195707   | 55.576   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 280288   | 78.183   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 275194   | 66.702   | ug/L   | 100      |
| 6) Bromomethane               | 1.513   | 94    | 75831    | 43.303   | ug/L   | 99       |
| 8) Chloroethane               | 1.577   | 64    | 166702   | 63.218   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 282497   | 50.765   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 172978   | 50.533   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 179865   | 54.463   | ug/L   | 85       |
| 13) Acetone                   | 2.153   | 43    | 186783   | 77.440   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.288   | 76    | 549817   | 65.227   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.420   | 43    | 202992   | 65.062   | ug/L   | 93       |
| 16) Methylene chloride        | 2.497   | 84    | 216156   | 54.861   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 2.751   | 96    | 191949   | 55.424   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 2.761   | 73    | 574716   | 53.075   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.179   | 63    | 355585   | 56.480   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.899   | 96    | 276163   | 71.235   | ug/L   | 92       |
| 22) 2-Butanone                | 3.947   | 43    | 273735   | 109.718  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.233   | 128   | 105486   | 51.984   | ug/L   | 88       |
| 25) Chloroform                | 4.362   | 83    | 343983   | 52.594   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW013023\  
 Data File : VW030000.D  
 Acq On : 30 Jan 2023 18:34  
 Operator : SY/MD  
 Sample : 01314-21MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jan 31 02:21:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 31 02:16:13 2023  
 Response via : Initial Calibration

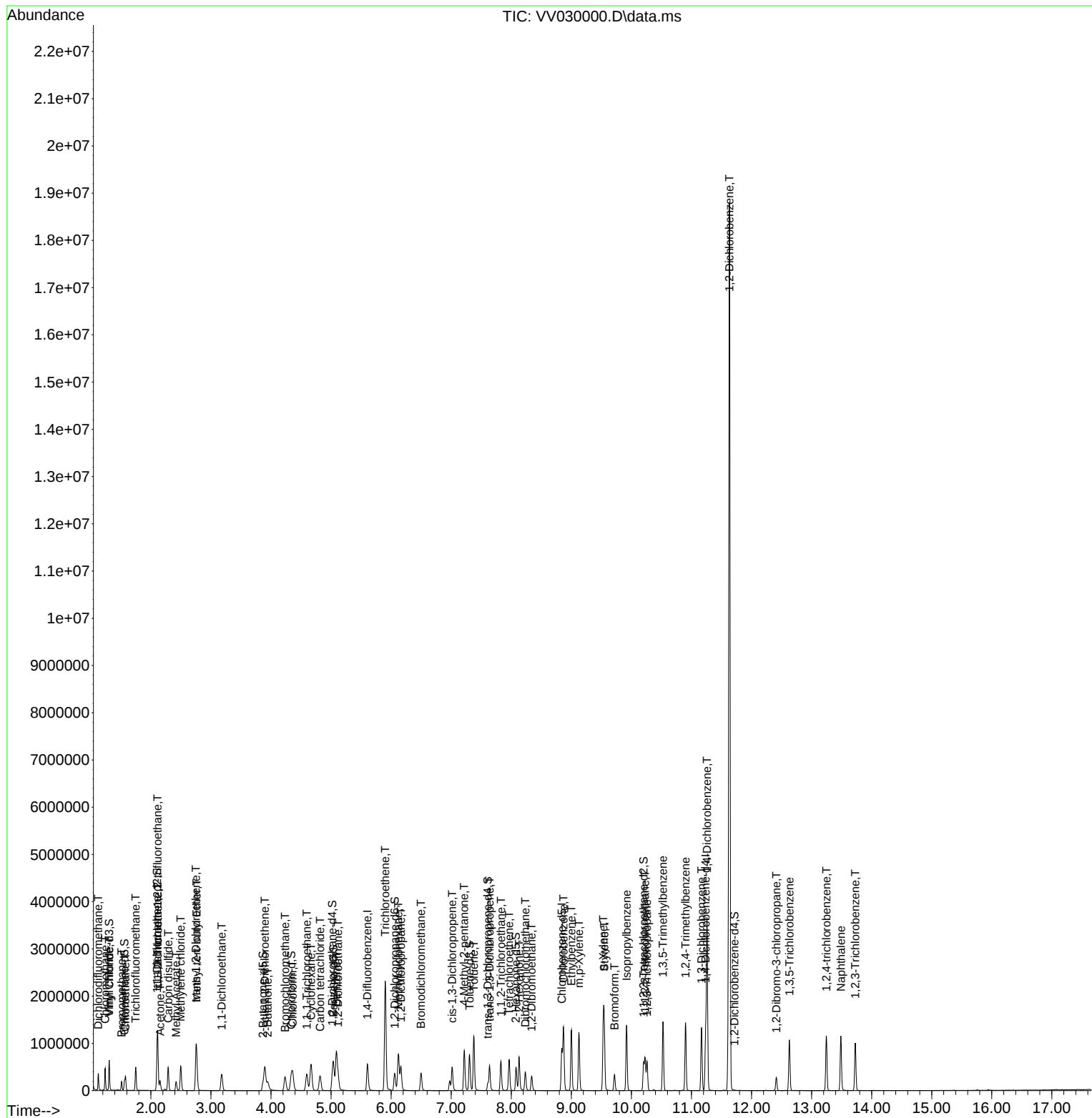
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.117  | 62   | 251895   | 55.781  | ug/L  | 100      |
| 29) Cyclohexane               | 4.667  | 56   | 313484   | 62.671  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 4.597  | 97   | 288346   | 52.058  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 238029   | 50.669  | ug/L  | 99       |
| 33) Benzene                   | 5.089  | 78   | 836689   | 58.385  | ug/L  | 100      |
| 34) Trichloroethene           | 5.902  | 95   | 823056   | 228.125 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.121  | 83   | 329172   | 56.478  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.162  | 63   | 220054   | 59.100  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.497  | 83   | 263037   | 54.382  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.015  | 75   | 315409   | 59.939  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.217  | 43   | 552825   | 134.184 | ug/L  | 95       |
| 42) Toluene                   | 7.378  | 91   | 861979   | 56.332  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.638  | 75   | 297622   | 60.460  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.828  | 97   | 200814   | 53.317  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.966  | 164  | 154210   | 51.815  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.130  | 43   | 425332   | 125.879 | ug/L  | 93       |
| 49) Dibromochloromethane      | 8.233  | 129  | 203198   | 51.832  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.339  | 107  | 204083   | 54.110  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.870  | 112  | 723836   | 68.837  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.002  | 91   | 898261   | 53.711  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.127  | 106  | 351973   | 53.002  | ug/L  | 99       |
| 54) o-Xylene                  | 9.532  | 106  | 340910   | 53.023  | ug/L  | 99       |
| 55) Styrene                   | 9.548  | 104  | 619582   | 53.433  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.227 | 83   | 350510   | 55.414  | ug/L  | 99       |
| 59) Bromoform                 | 9.719  | 173  | 150936   | 52.517  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.921  | 105  | 889476   | 51.456  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.259 | 75   | 261117   | 55.331  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.526 | 105  | 757737   | 52.208  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.902 | 105  | 747786   | 51.693  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.169 | 146  | 542571   | 62.128  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.259 | 146  | 1406068  | 155.406 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 7163569  | 814.819 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.413 | 75   | 71782    | 56.923  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 329570   | 48.474  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.246 | 180  | 355468   | 59.234  | ug/L  | 99       |
| 71) Naphthalene               | 13.487 | 128  | 902655   | 55.928  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.728 | 180  | 310608   | 53.111  | ug/L  | 99       |

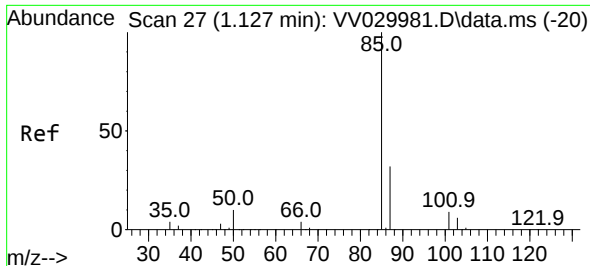
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV013023\  
Data File : VV030000.D  
Acq On : 30 Jan 2023 18:34  
Operator : SY/MD  
Sample : 01314-21MS  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Jan 31 02:21:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM011823WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jan 31 02:16:13 2023  
Response via : Initial Calibration

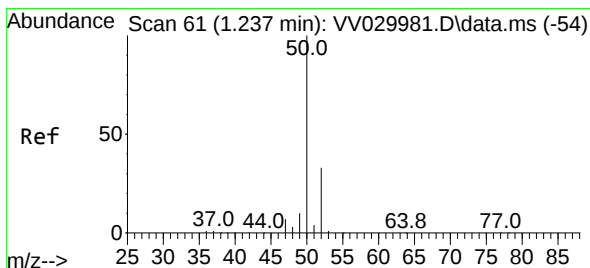
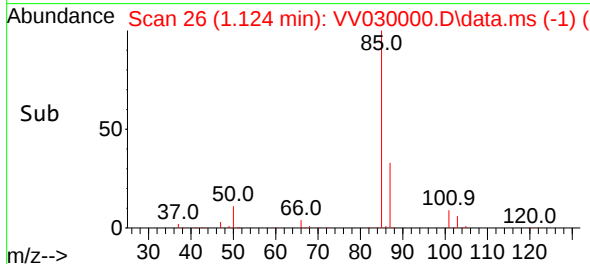
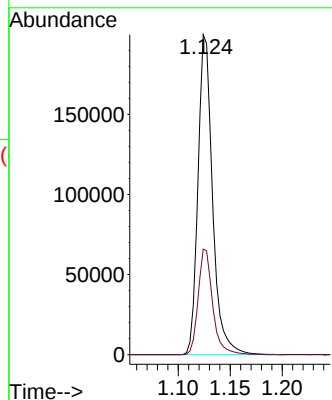
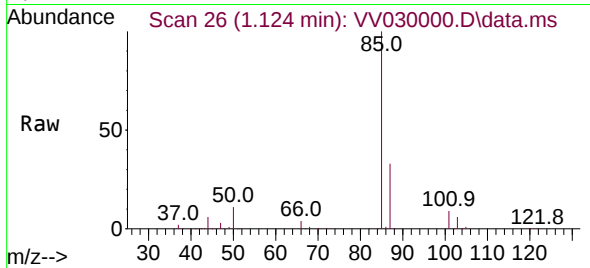




#2  
 Dichlorodifluoromethane  
 Concen: 55.576 ug/L  
 RT: 1.124 min Scan# 2  
 Delta R.T. -0.003 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

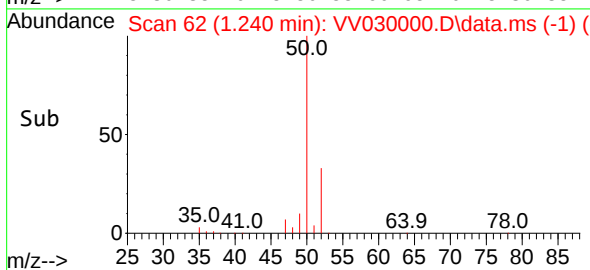
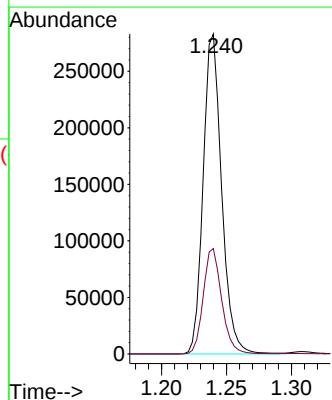
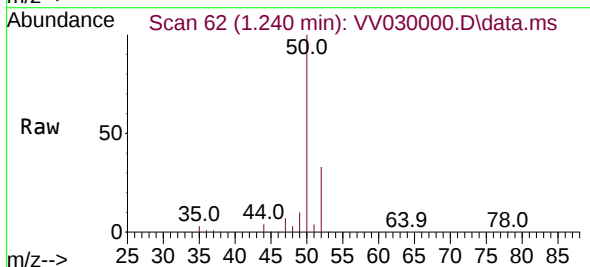
Instrument :  
 MSVOA\_V  
 ClientSampleId :

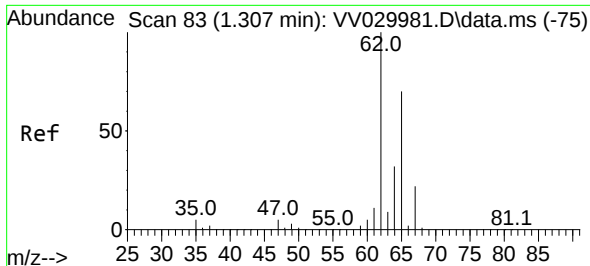
Tgt Ion: 85 Resp: 195707  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.2 39.4



#3  
 Chloromethane  
 Concen: 78.183 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

Tgt Ion: 50 Resp: 280288  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 23.4 43.4

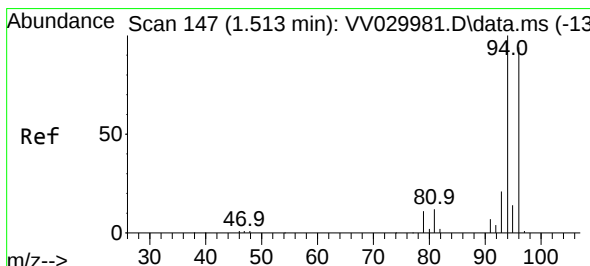
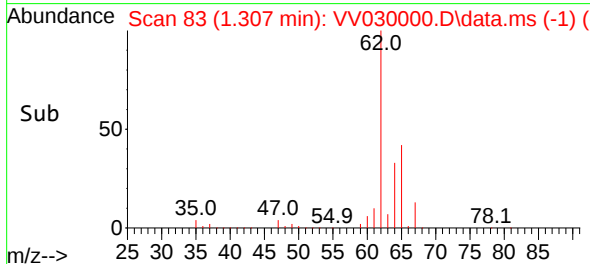
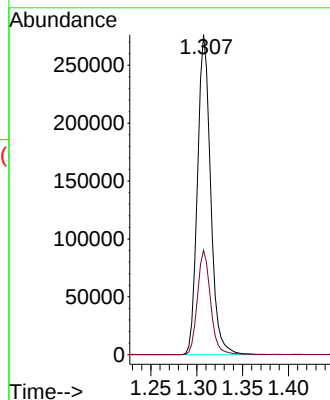
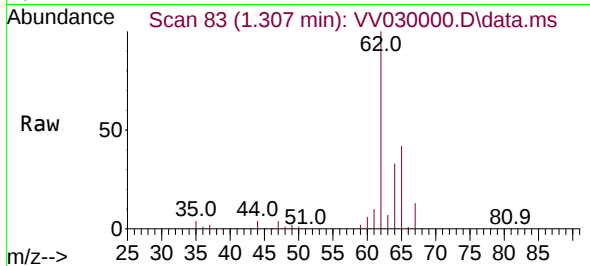




#5  
 Vinyl chloride  
 Concen: 66.702 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

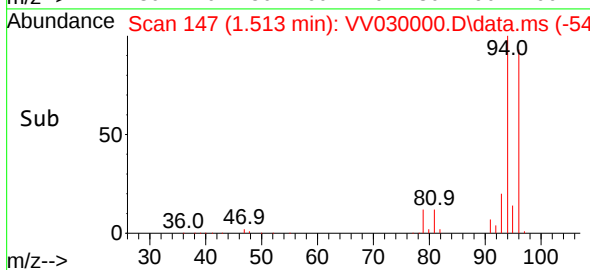
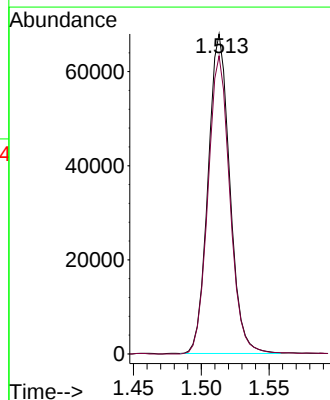
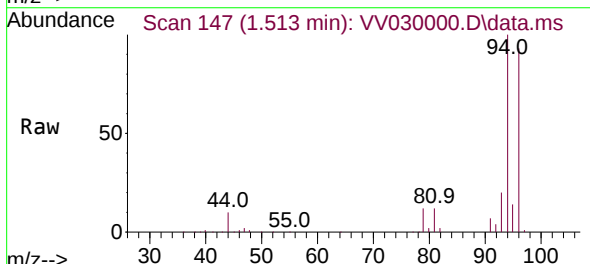
Instrument :  
 MSVOA\_V  
 ClientSampleId :

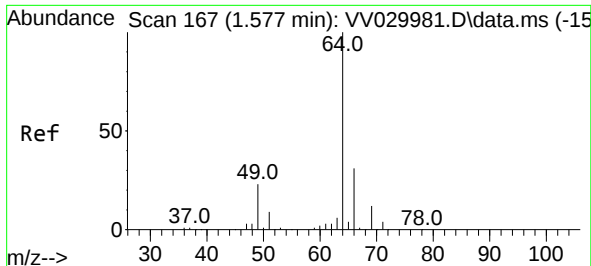
Tgt Ion: 62 Resp: 275194  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.0 42.8



#6  
 Bromomethane  
 Concen: 43.303 ug/L  
 RT: 1.513 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

Tgt Ion: 94 Resp: 75831  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 64.8 120.4

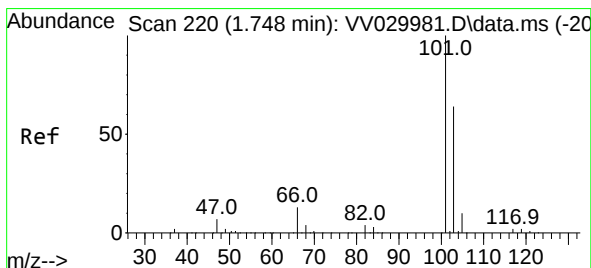
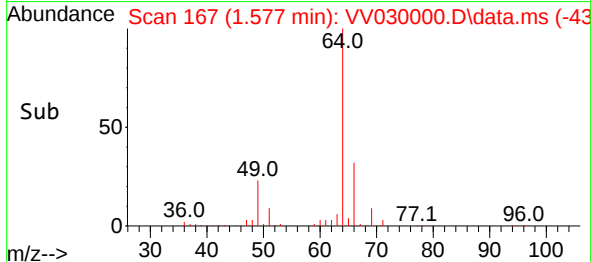
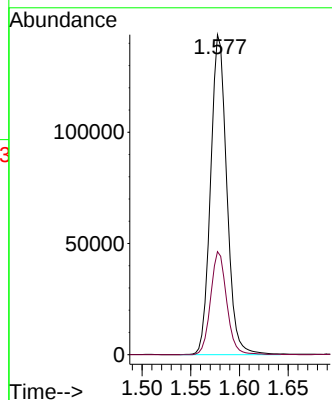
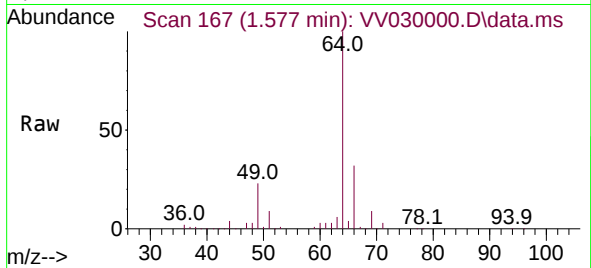




#8  
Chloroethane  
Concen: 63.218 ug/L  
RT: 1.577 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

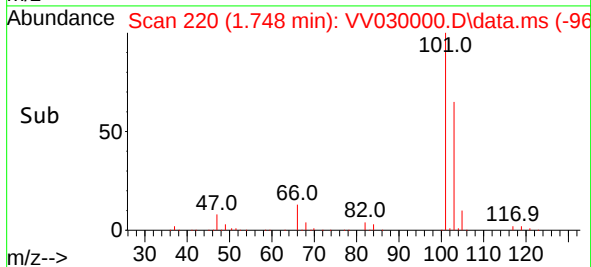
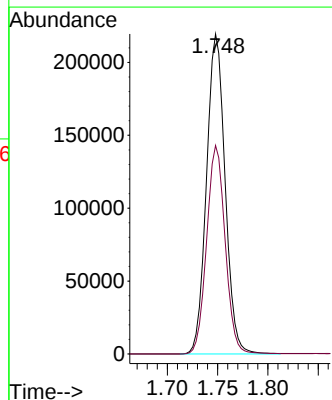
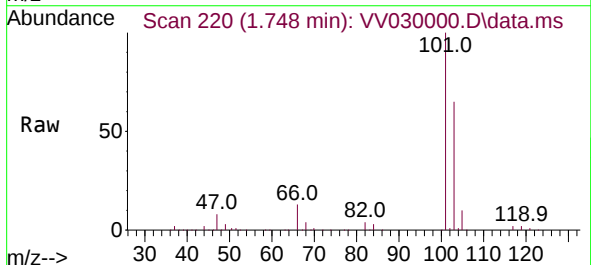
Instrument :  
MSVOA\_V  
ClientSampleId :

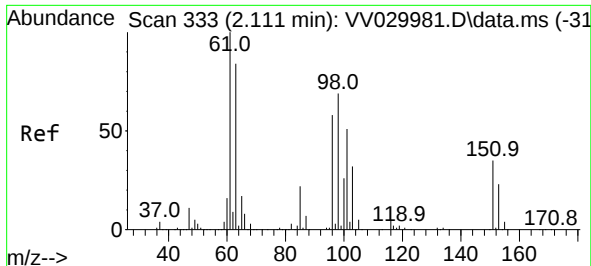
Tgt Ion: 64 Resp: 166702  
Ion Ratio Lower Upper  
64 100  
66 32.2 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 50.765 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion:101 Resp: 282497  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.533 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

ClientSampleId :

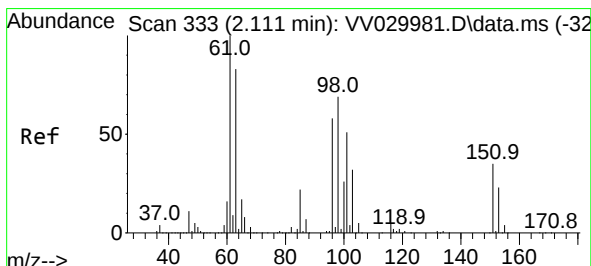
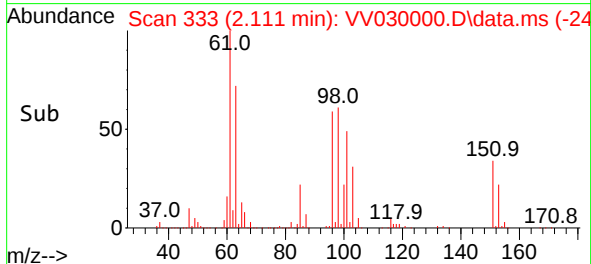
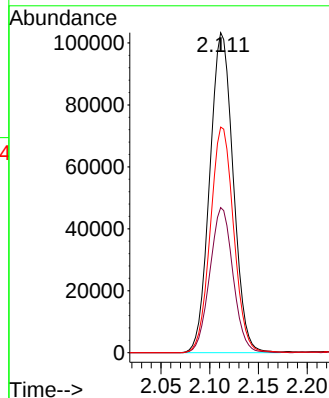
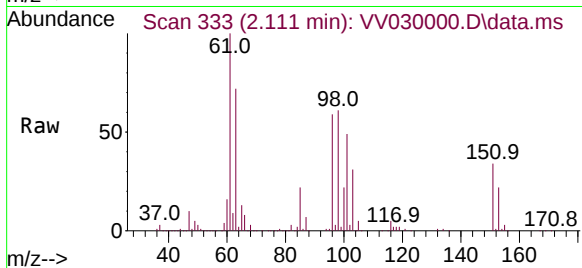
Tgt Ion:101 Resp: 172978

Ion Ratio Lower Upper

101 100

85 44.8 33.7 50.5

151 70.4 61.0 91.4



#12

1,1-Dichloroethene

Concen: 54.463 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

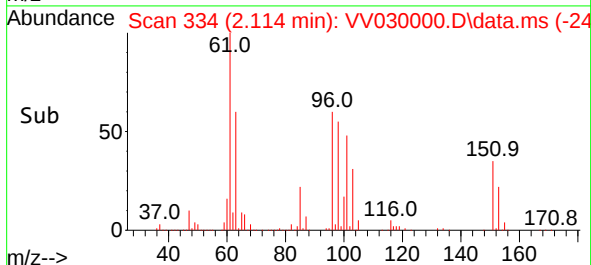
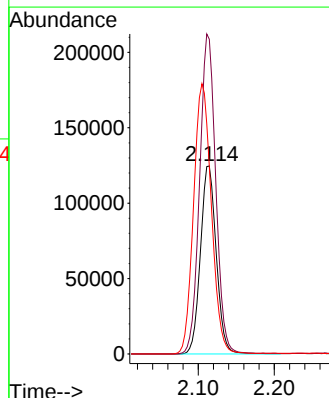
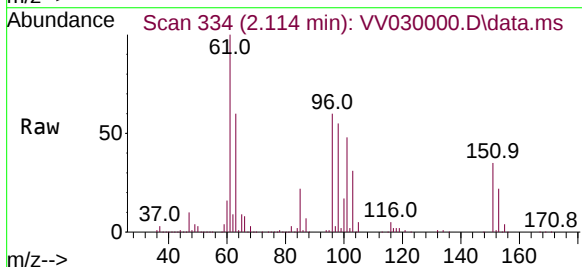
Tgt Ion: 96 Resp: 179865

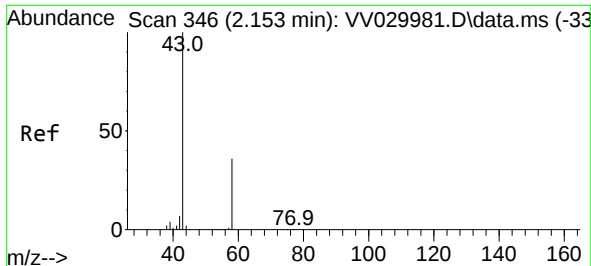
Ion Ratio Lower Upper

96 100

61 167.3 110.2 204.6

63 99.8 88.6 164.6





#13

Acetone

Concen: 77.440 ug/L

RT: 2.153 min Scan# 346

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

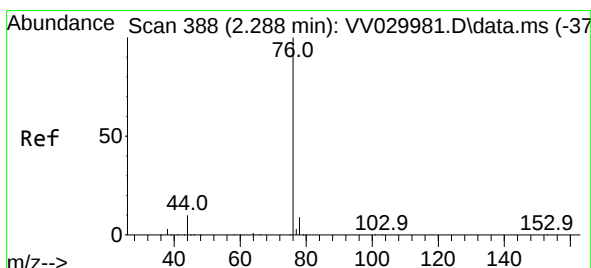
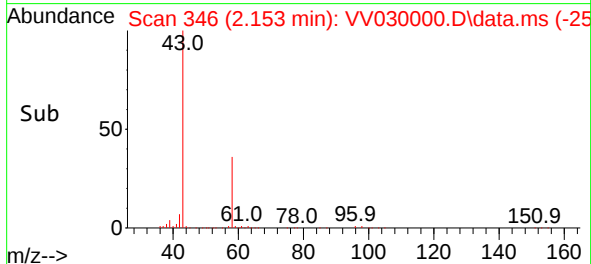
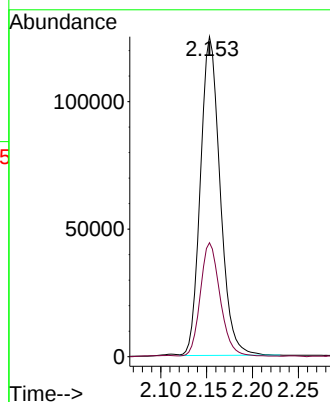
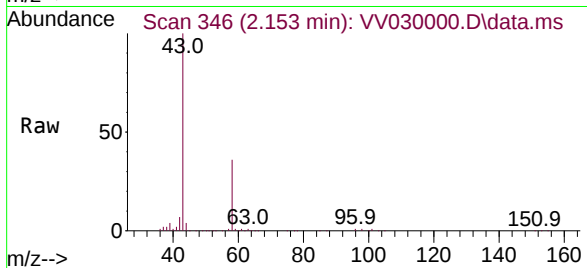
ClientSampleId :

Tgt Ion: 43 Resp: 186783

Ion Ratio Lower Upper

43 100

58 36.3 0.0 76.0



#14

Carbon disulfide

Concen: 65.227 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV030000.D

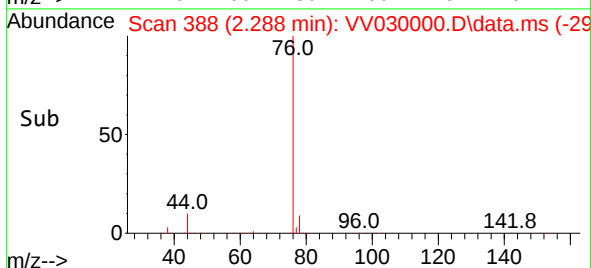
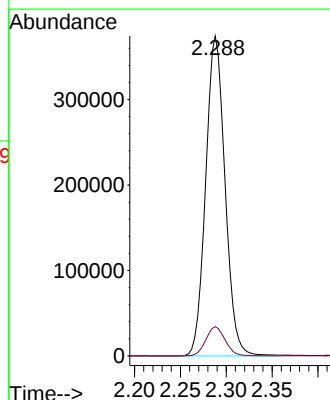
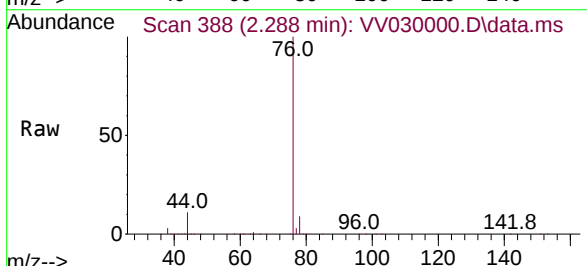
Acq: 30 Jan 2023 18:34

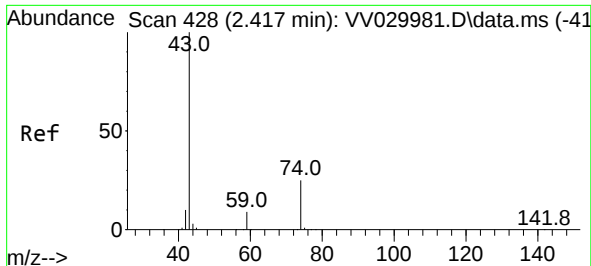
Tgt Ion: 76 Resp: 549817

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

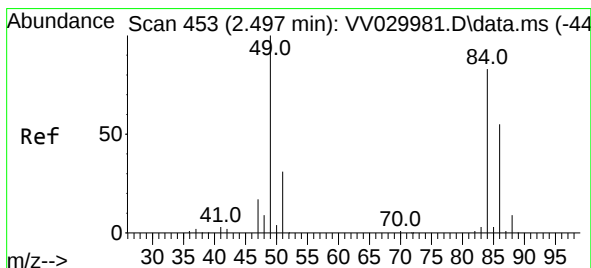
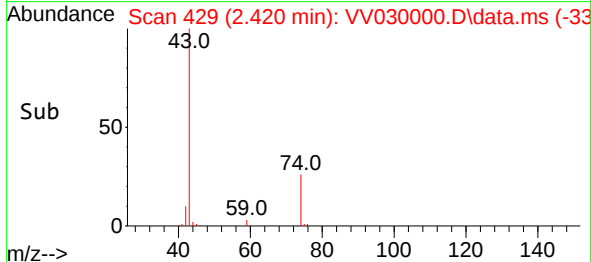
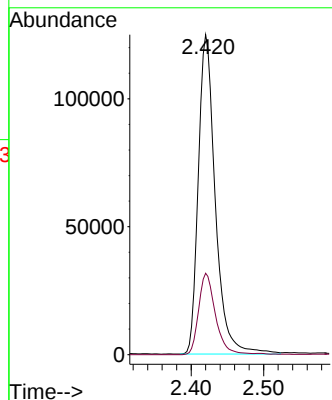
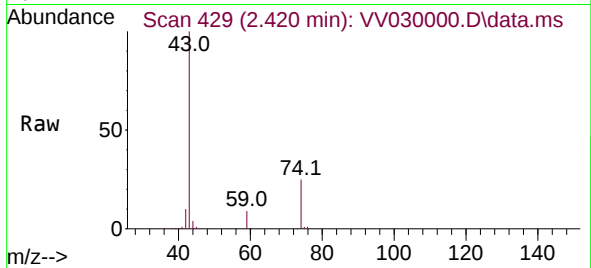




#15  
Methyl Acetate  
Concen: 65.062 ug/L  
RT: 2.420 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

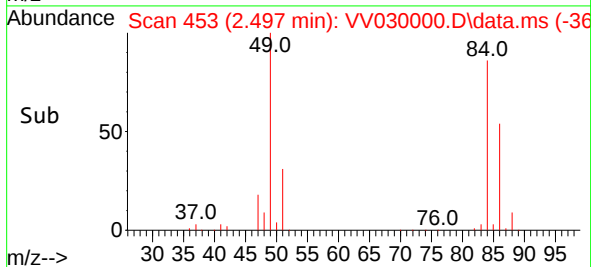
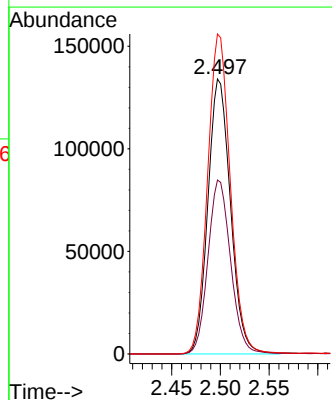
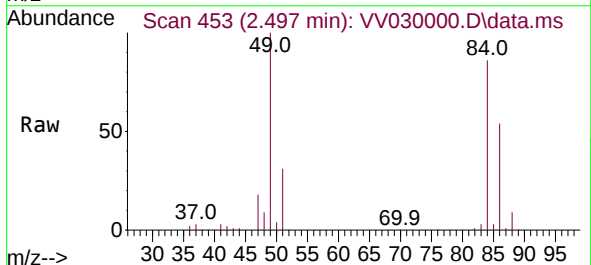
Instrument :  
MSVOA\_V  
ClientSampleId :

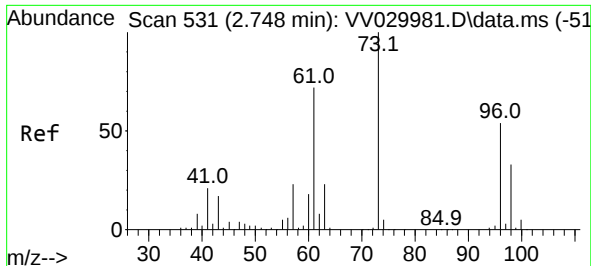
Tgt Ion: 43 Resp: 202992  
Ion Ratio Lower Upper  
43 100  
74 25.2 23.3 34.9



#16  
Methylene chloride  
Concen: 54.861 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 84 Resp: 216156  
Ion Ratio Lower Upper  
84 100  
86 63.2 45.3 84.1  
49 116.3 74.1 137.5

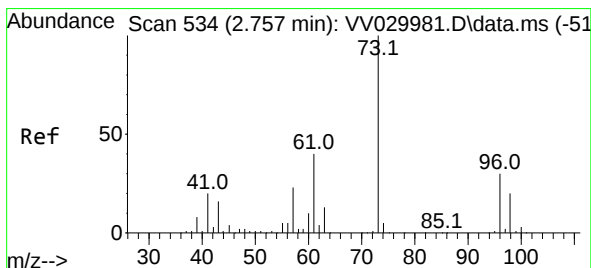
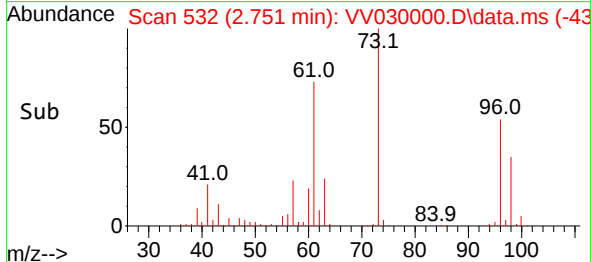
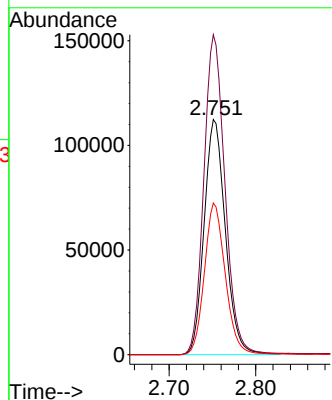
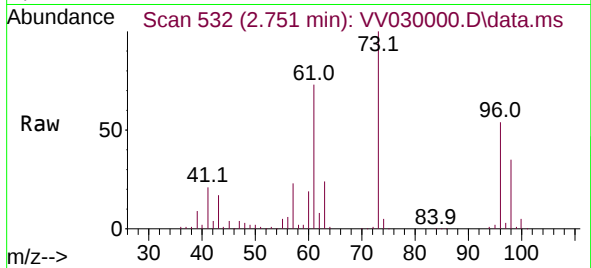




#17  
trans-1,2-Dichloroethene  
Concen: 55.424 ug/L  
RT: 2.751 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

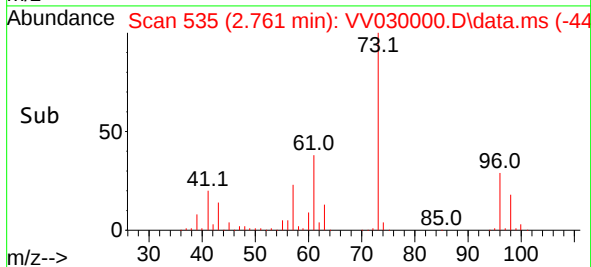
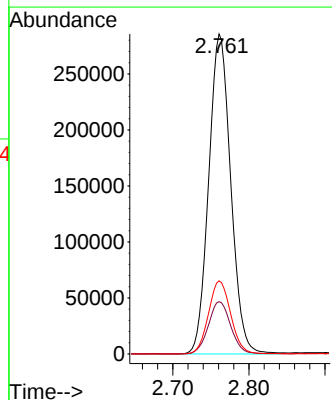
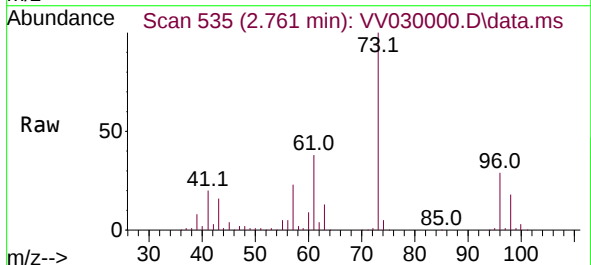
Instrument :  
MSVOA\_V  
ClientSampleId :

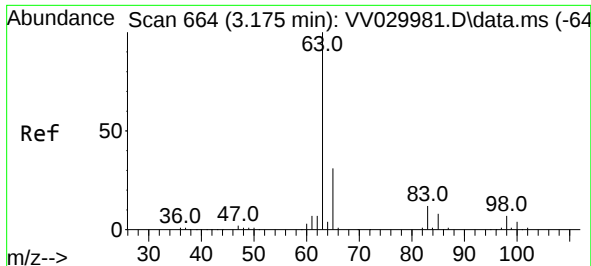
Tgt Ion: 96 Resp: 191949  
Ion Ratio Lower Upper  
96 100  
61 136.1 86.9 161.5  
98 64.5 44.7 83.1



#18  
Methyl tert-butyl Ether  
Concen: 53.075 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 73 Resp: 574716  
Ion Ratio Lower Upper  
73 100  
43 16.5 12.8 19.2  
57 23.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 56.480 ug/L

RT: 3.179 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

ClientSampleId :

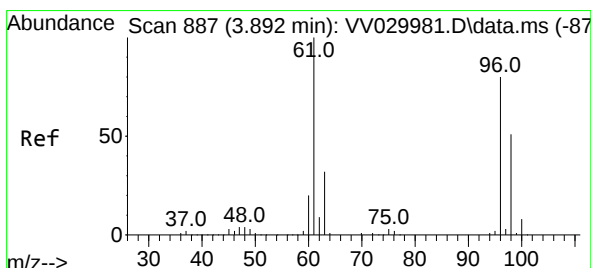
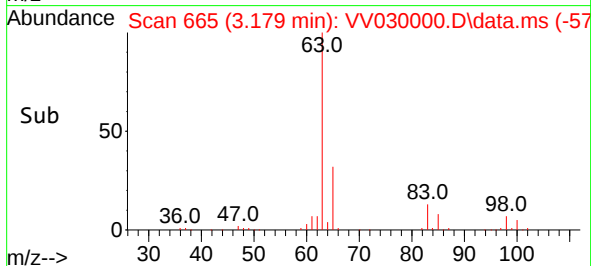
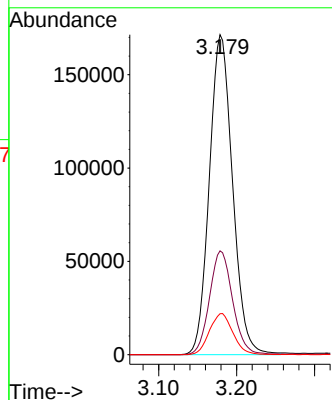
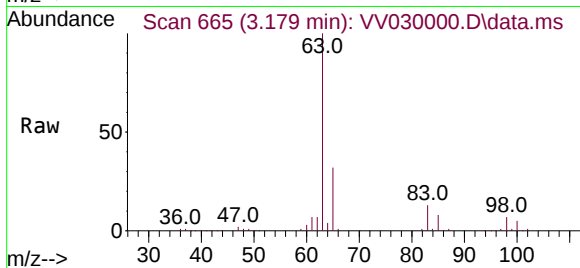
Tgt Ion: 63 Resp: 355585

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.3

83 12.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 71.235 ug/L

RT: 3.899 min Scan# 889

Delta R.T. 0.006 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

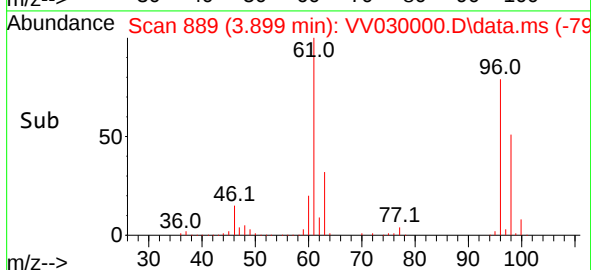
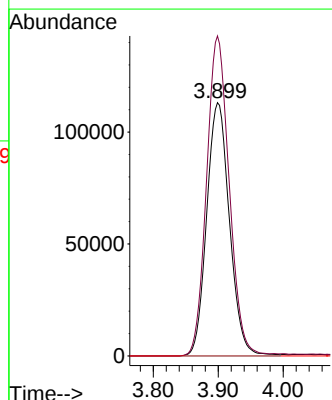
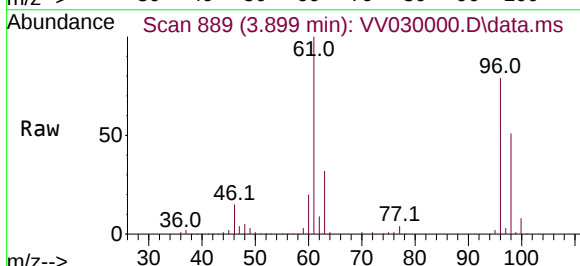
Tgt Ion: 96 Resp: 276163

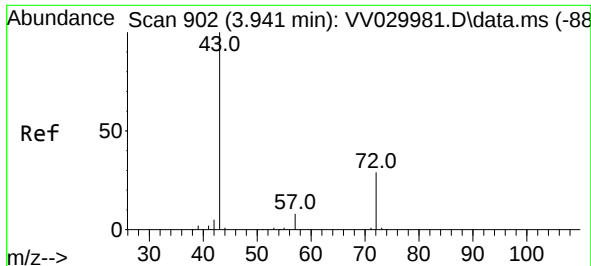
Ion Ratio Lower Upper

96 100

61 126.4 82.5 153.3

68 0.0 0.0 0.0

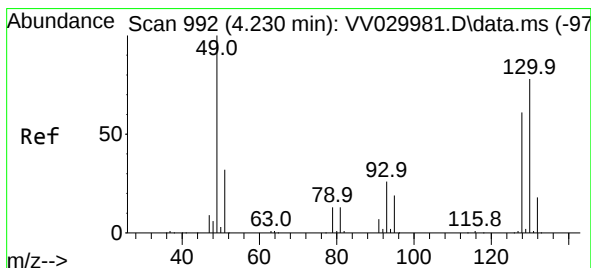
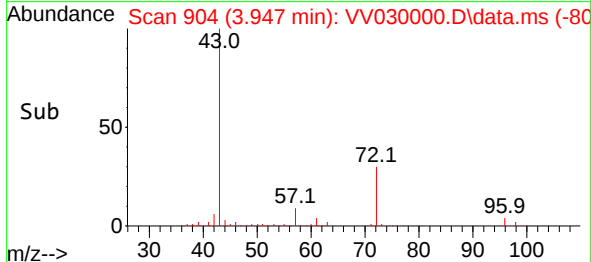
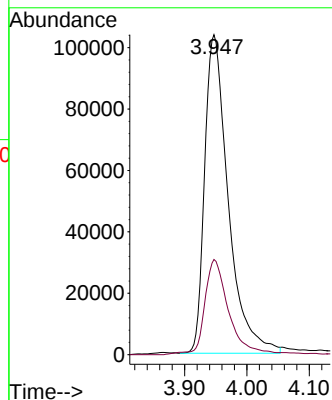
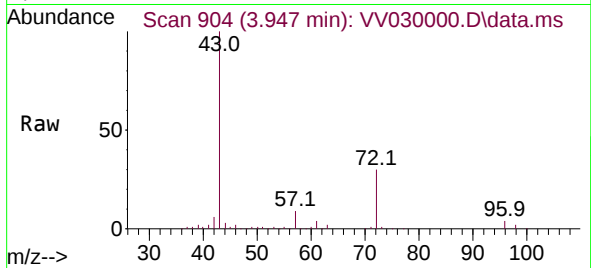




#22  
2-Butanone  
Concen: 109.718 ug/L  
RT: 3.947 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

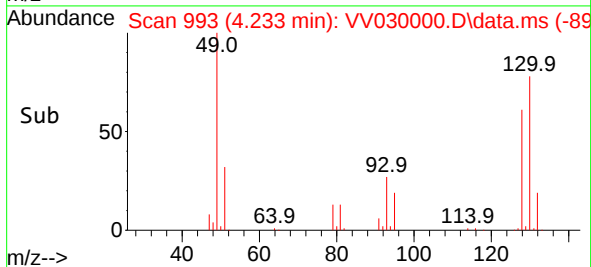
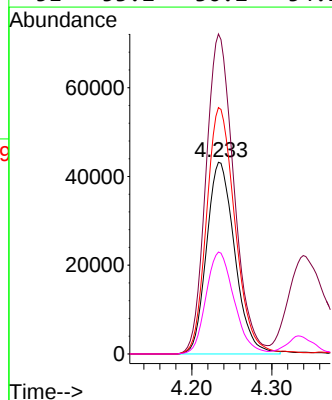
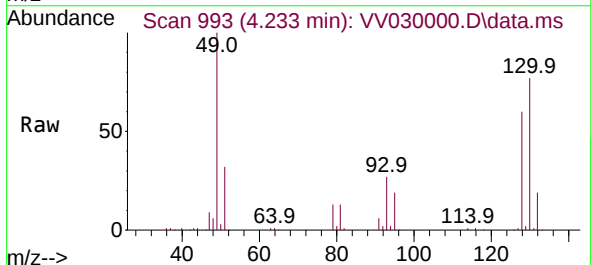
Instrument :  
MSVOA\_V  
ClientSampleId :

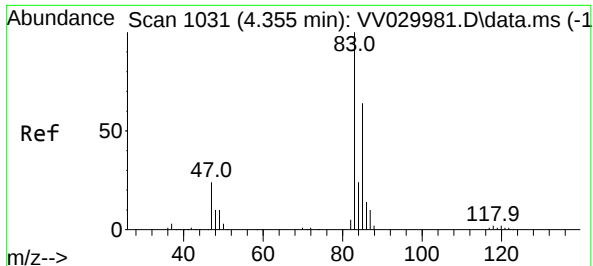
Tgt Ion: 43 Resp: 273735  
Ion Ratio Lower Upper  
43 100  
72 30.0 15.4 46.4



#23  
Bromochloromethane  
Concen: 51.984 ug/L  
RT: 4.233 min Scan# 993  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion:128 Resp: 105486  
Ion Ratio Lower Upper  
128 100  
49 167.0 97.3 180.7  
130 128.6 89.7 166.5  
51 53.2 36.2 54.2





#25

Chloroform

Concen: 52.594 ug/L

RT: 4.362 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

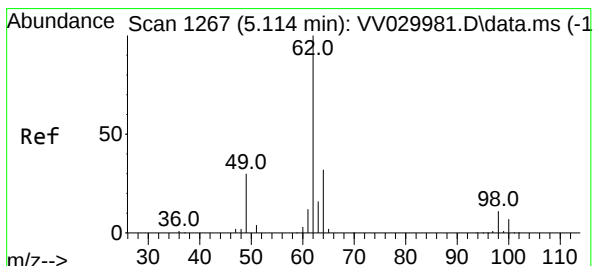
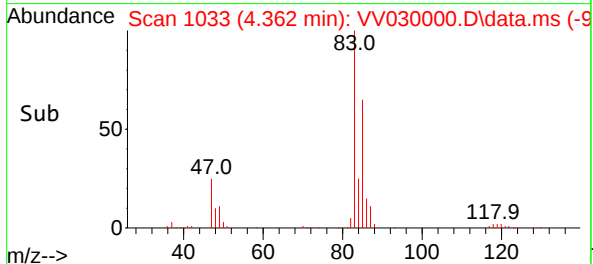
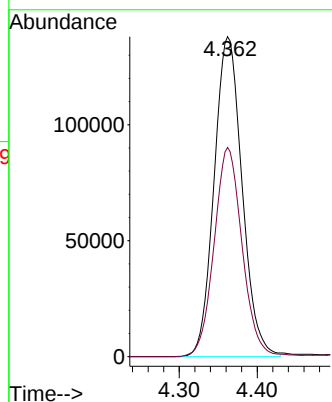
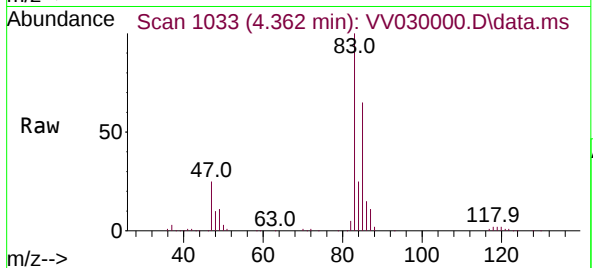
ClientSampleId :

Tgt Ion: 83 Resp: 343983

Ion Ratio Lower Upper

83 100

85 65.4 44.8 83.2



#27

1,2-Dichloroethane

Concen: 55.781 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. 0.003 min

Lab File: VV030000.D

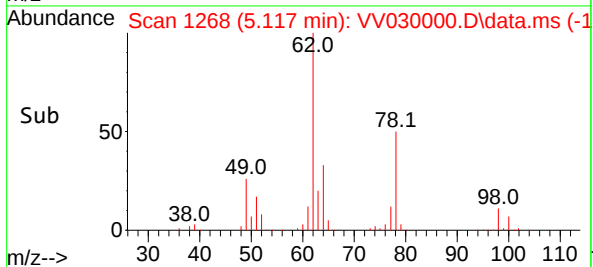
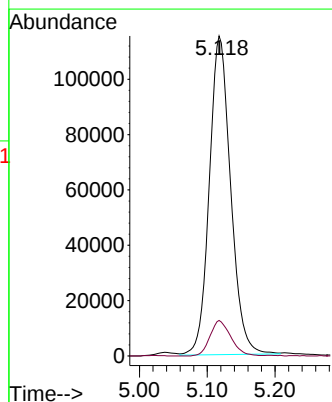
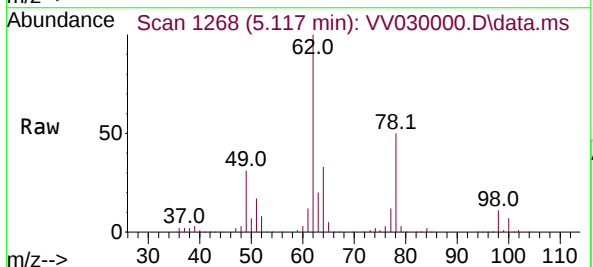
Acq: 30 Jan 2023 18:34

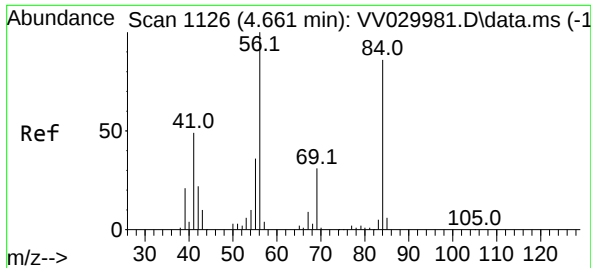
Tgt Ion: 62 Resp: 251895

Ion Ratio Lower Upper

62 100

98 11.1 9.0 13.4

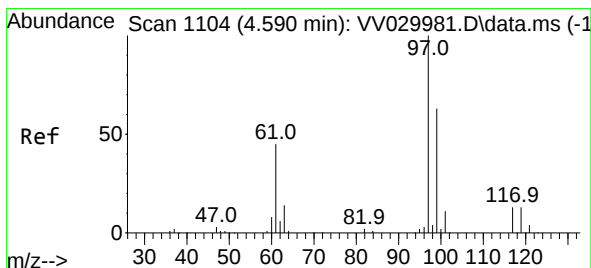
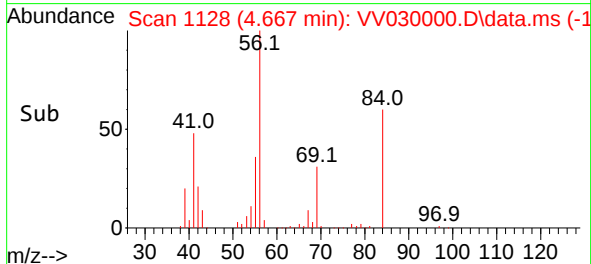
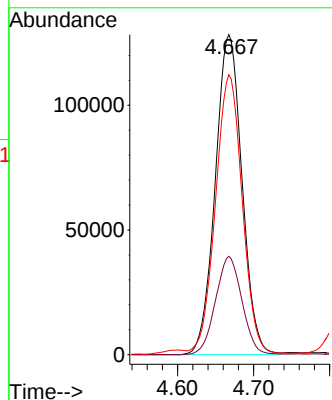
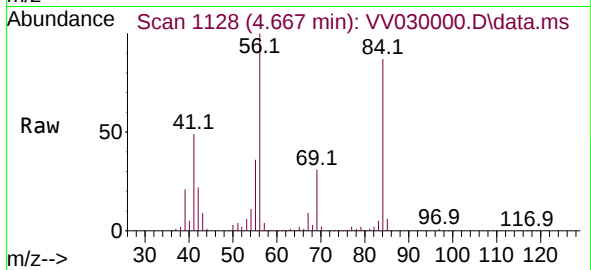




#29  
Cyclohexane  
Concen: 62.671 ug/L  
RT: 4.667 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

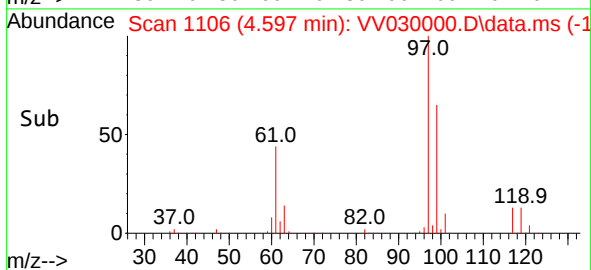
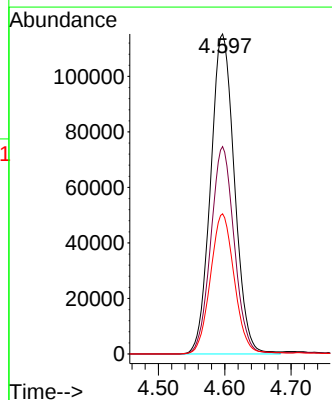
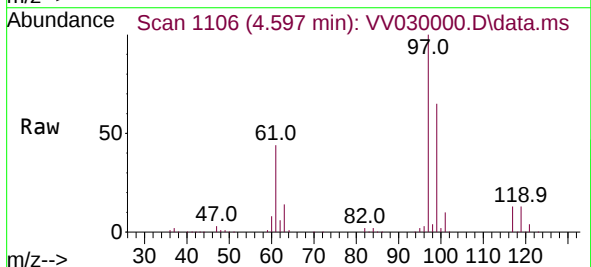
Instrument :  
MSVOA\_V  
ClientSampleId :

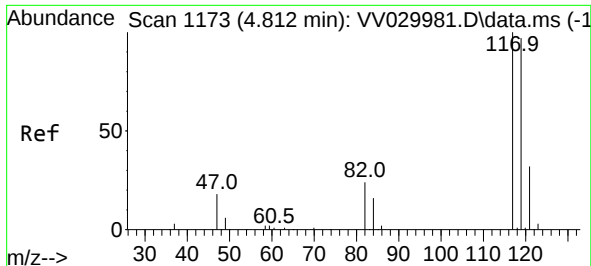
Tgt Ion: 56 Resp: 313484  
Ion Ratio Lower Upper  
56 100  
69 30.4 26.2 39.4  
84 86.6 74.7 112.1



#30  
1,1,1-Trichloroethane  
Concen: 52.058 ug/L  
RT: 4.597 min Scan# 1106  
Delta R.T. 0.006 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 97 Resp: 288346  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.9 77.9  
61 43.9 32.2 48.2

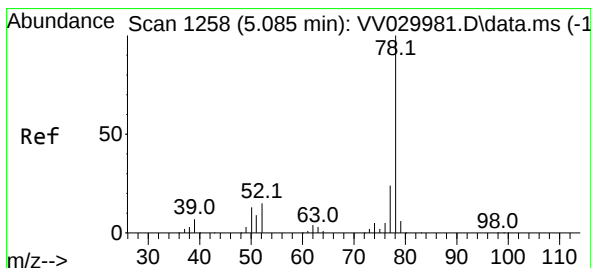
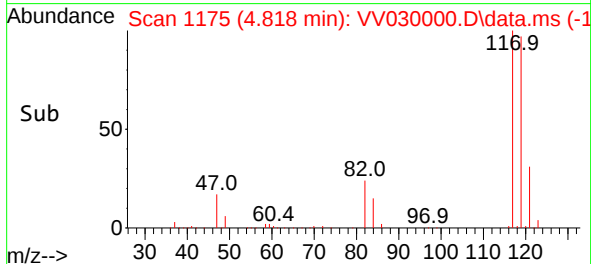
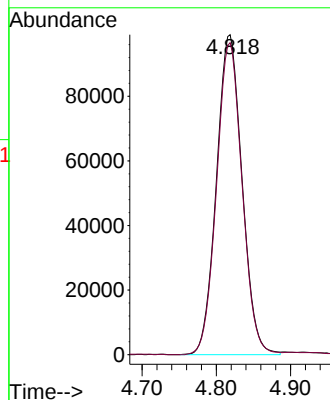
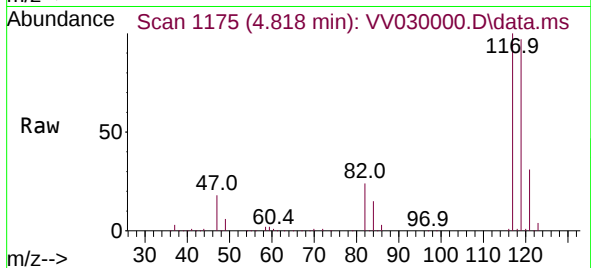




#31  
Carbon tetrachloride  
Concen: 50.669 ug/L  
RT: 4.818 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

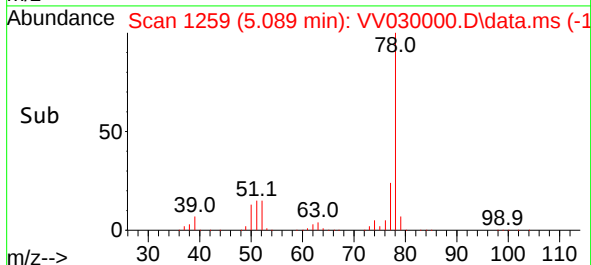
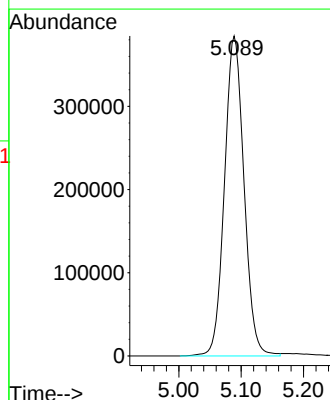
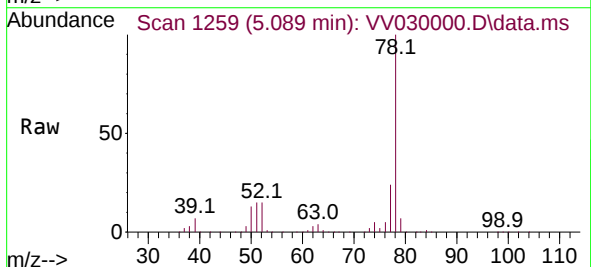
Instrument :  
MSVOA\_V  
ClientSampleId :

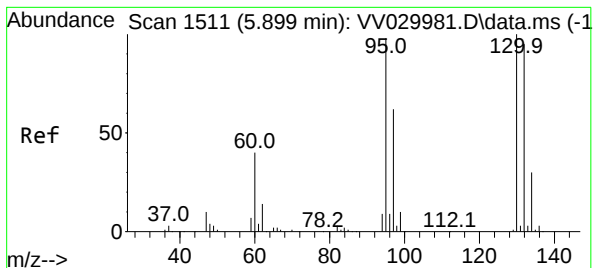
Tgt Ion:117 Resp: 238029  
Ion Ratio Lower Upper  
117 100  
119 96.9 77.9 116.9



#33  
Benzene  
Concen: 58.385 ug/L  
RT: 5.089 min Scan# 1259  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 78 Resp: 836689





#34

Trichloroethene

Concen: 228.125 ug/L

RT: 5.902 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 823056

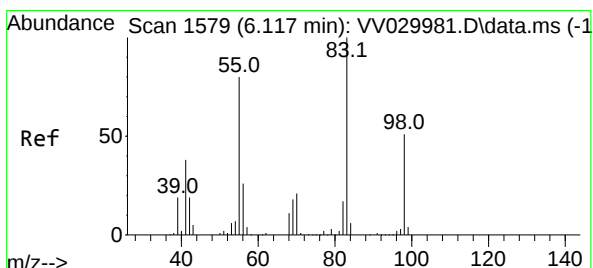
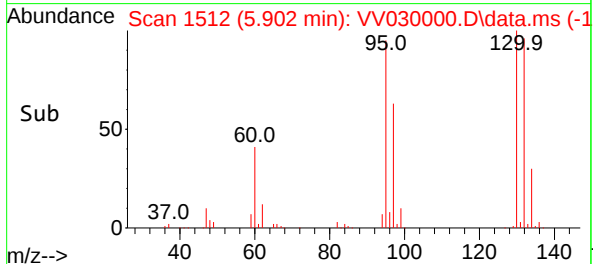
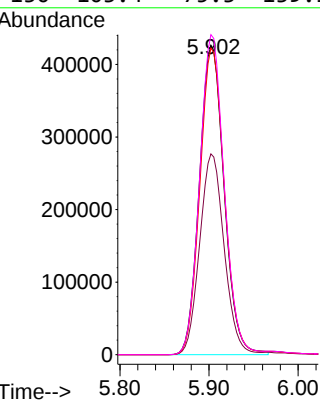
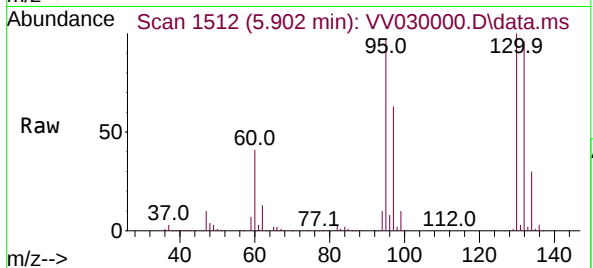
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.5

132 99.1 71.8 133.4

130 103.4 75.3 139.9



#35

Methylcyclohexane

Concen: 56.478 ug/L

RT: 6.121 min Scan# 1580

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

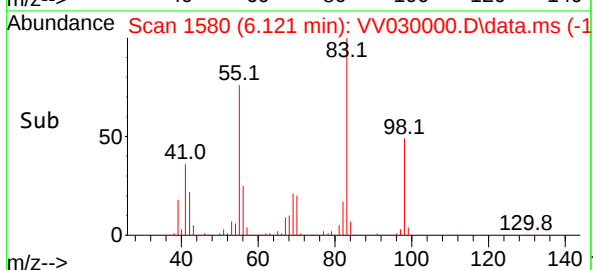
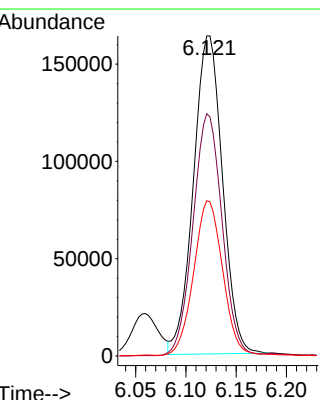
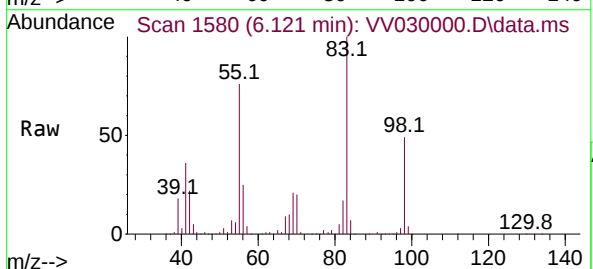
Tgt Ion: 83 Resp: 329172

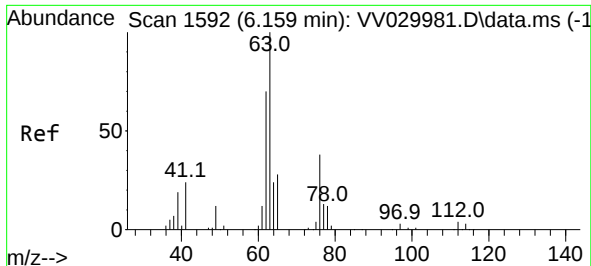
Ion Ratio Lower Upper

83 100

55 76.1 56.2 84.2

98 48.9 38.5 57.7





#37

1,2-Dichloropropane

Concen: 59.100 ug/L

RT: 6.162 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

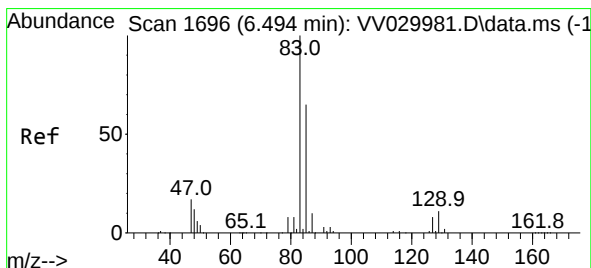
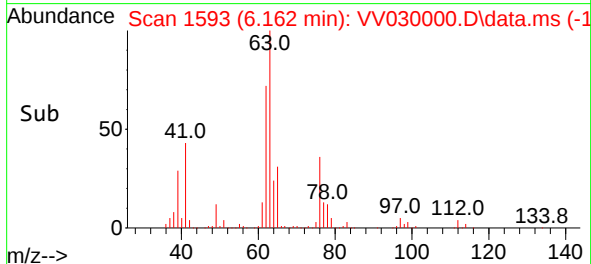
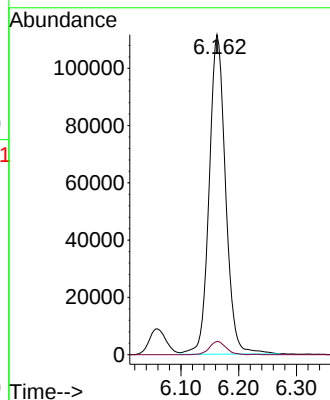
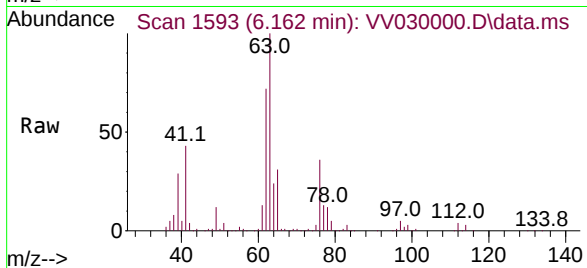
ClientSampleId :

Tgt Ion: 63 Resp: 220054

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 54.382 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

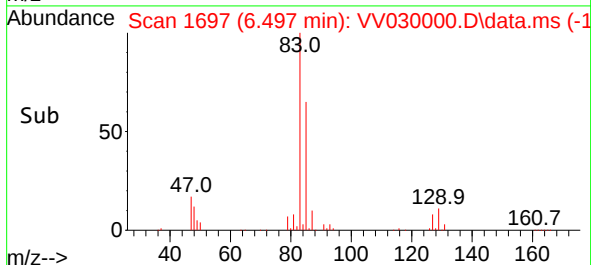
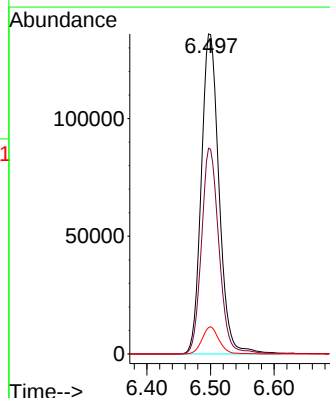
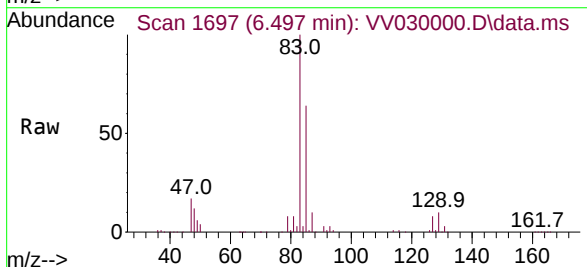
Tgt Ion: 83 Resp: 263037

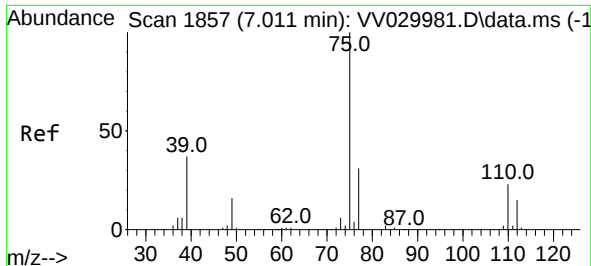
Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.0

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 59.939 ug/L

RT: 7.015 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

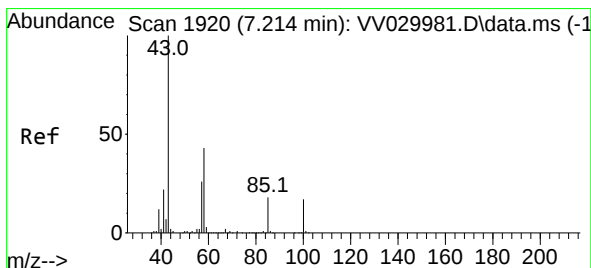
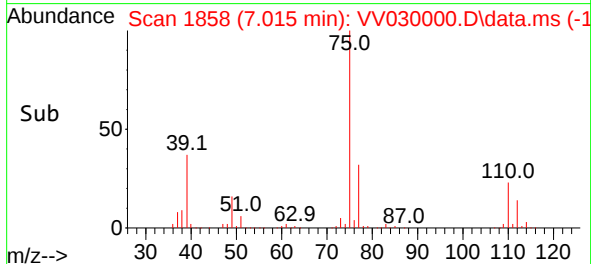
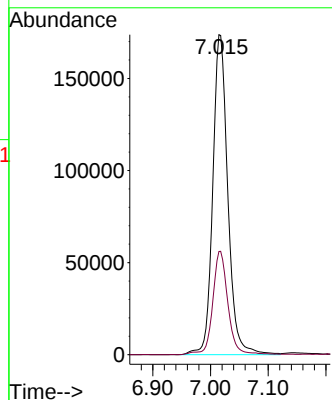
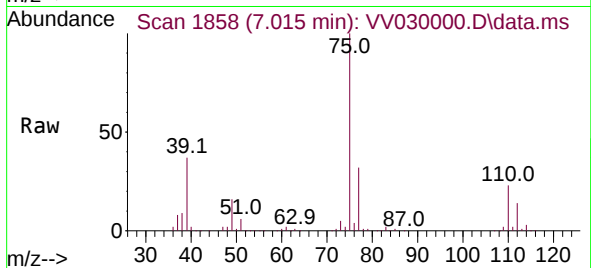
ClientSampleId :

Tgt Ion: 75 Resp: 315409

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 134.184 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

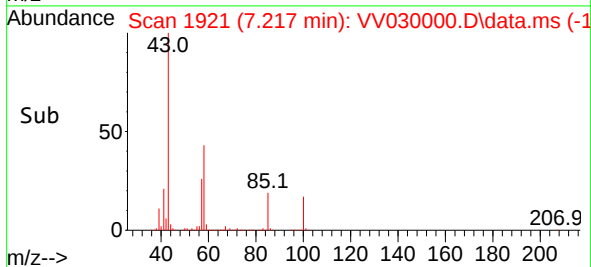
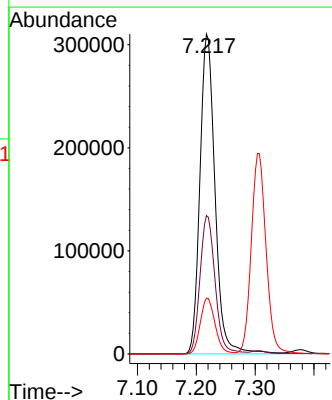
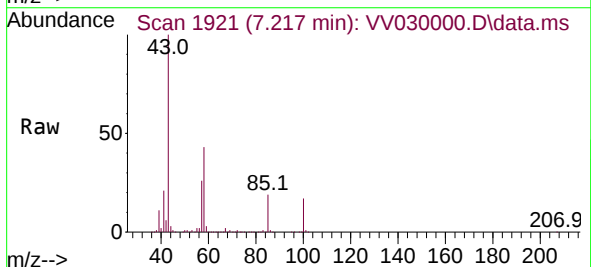
Tgt Ion: 43 Resp: 552825

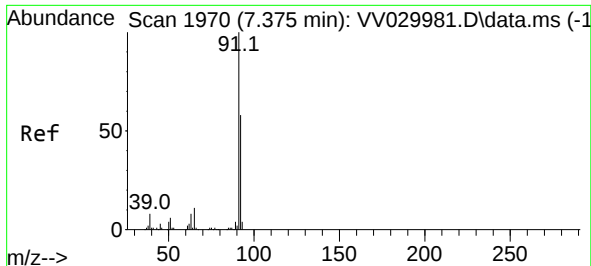
Ion Ratio Lower Upper

43 100

58 43.3 37.0 55.6

100 17.1 16.2 24.2





#42

Toluene

Concen: 56.332 ug/L

RT: 7.378 min Scan# 1970

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

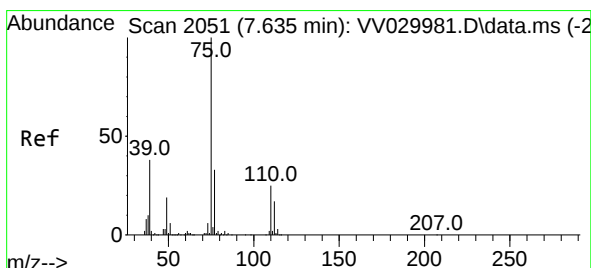
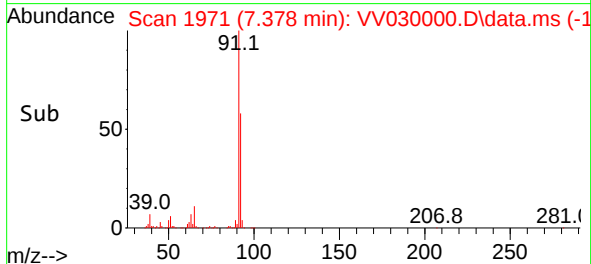
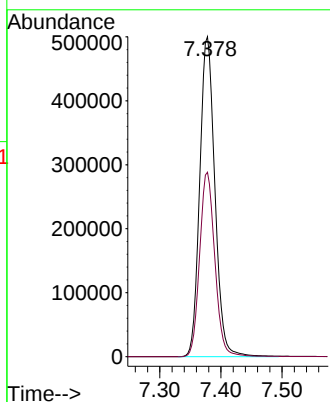
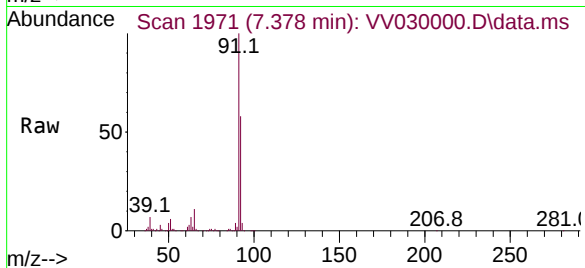
ClientSampleId :

Tgt Ion: 91 Resp: 861979

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 60.460 ug/L

RT: 7.638 min Scan# 2052

Delta R.T. 0.003 min

Lab File: VV030000.D

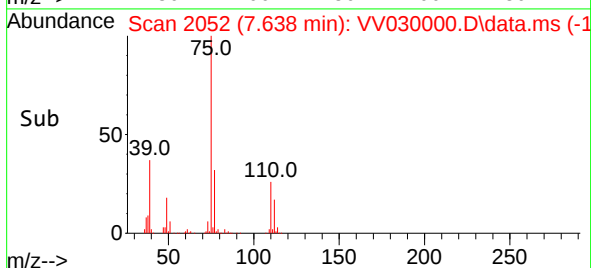
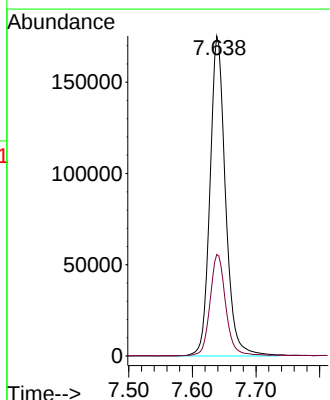
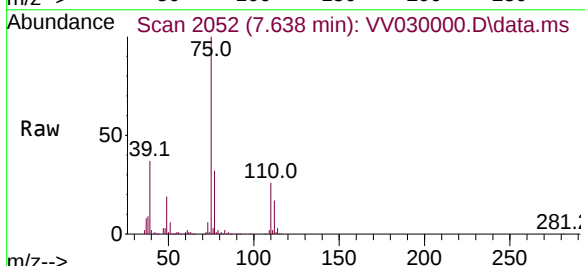
Acq: 30 Jan 2023 18:34

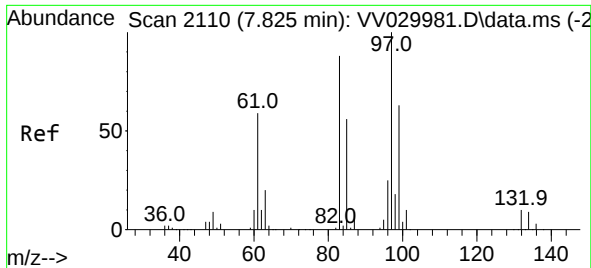
Tgt Ion: 75 Resp: 297622

Ion Ratio Lower Upper

75 100

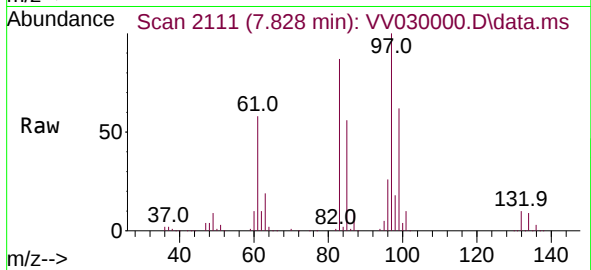
77 31.7 22.4 41.6





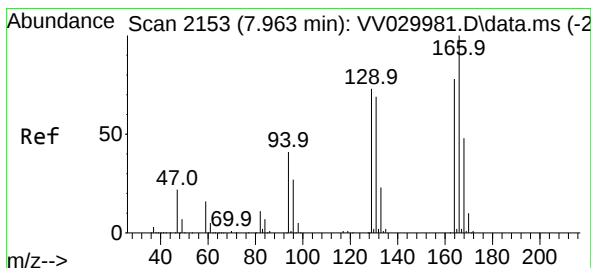
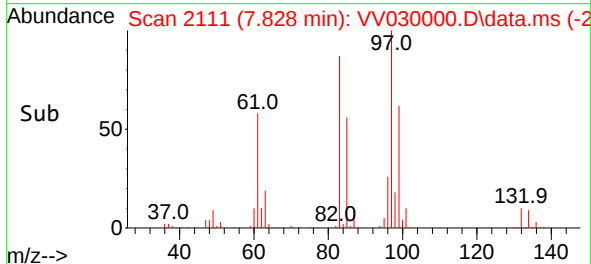
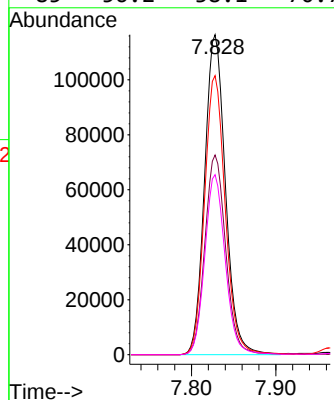
#45  
 1,1,2-Trichloroethane  
 Concen: 53.317 ug/L  
 RT: 7.828 min Scan# 2110  
 Delta R.T. 0.003 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 97 Resp: 200814

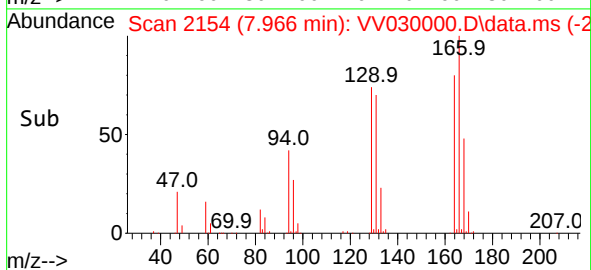
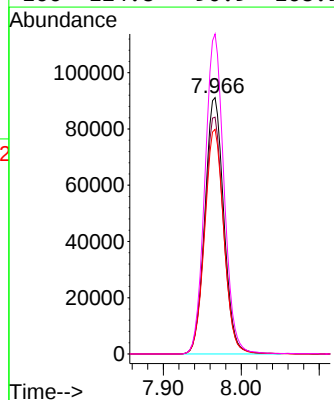
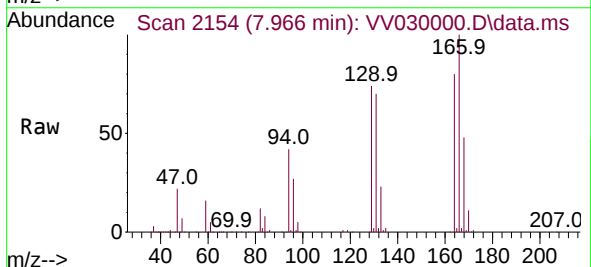
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.4  | 43.9  | 81.5  |
| 83  | 87.2  | 59.5  | 110.5 |
| 85  | 56.2  | 38.1  | 70.7  |

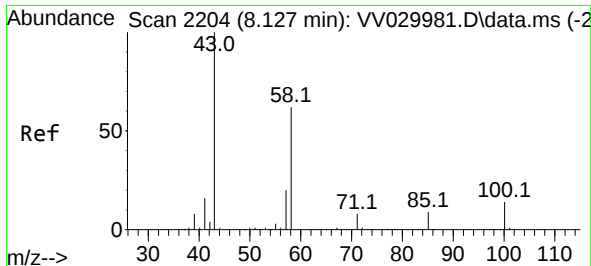


#46  
 Tetrachloroethene  
 Concen: 51.815 ug/L  
 RT: 7.966 min Scan# 2154  
 Delta R.T. 0.003 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

Tgt Ion: 164 Resp: 154210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.4  | 64.6  | 120.0 |
| 131 | 87.7  | 61.8  | 114.8 |
| 166 | 124.8 | 90.9  | 168.9 |



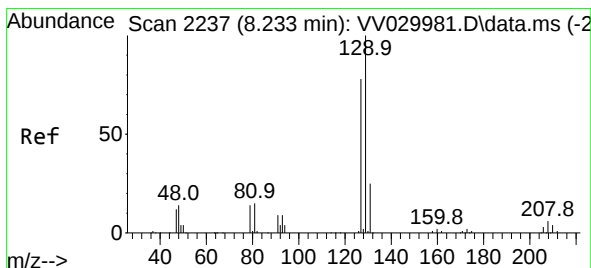
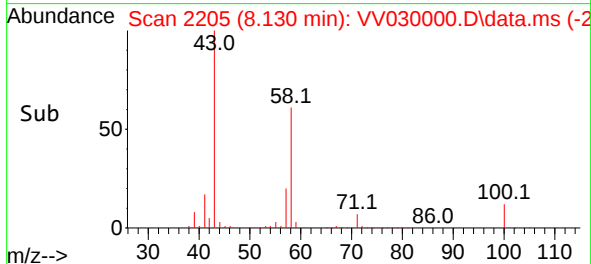
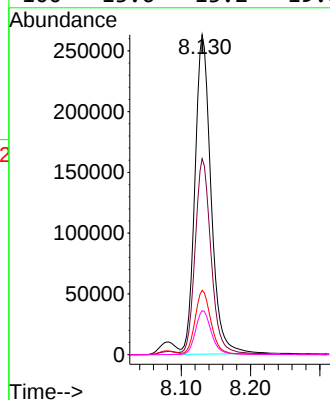
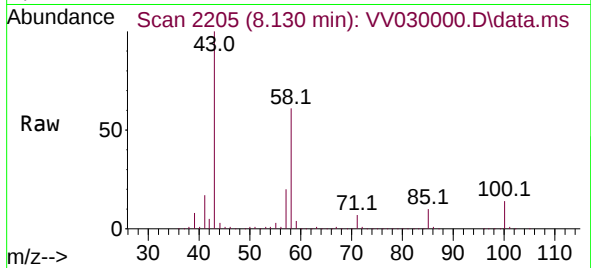


#48  
2-Hexanone  
Concen: 125.879 ug/L  
RT: 8.130 min Scan# 2205  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 425332

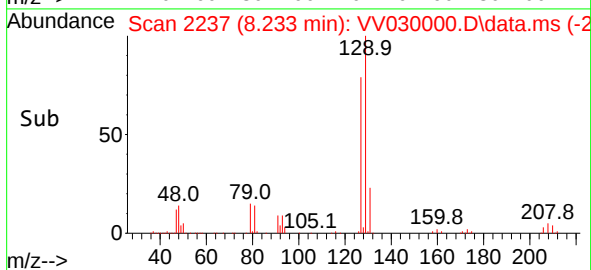
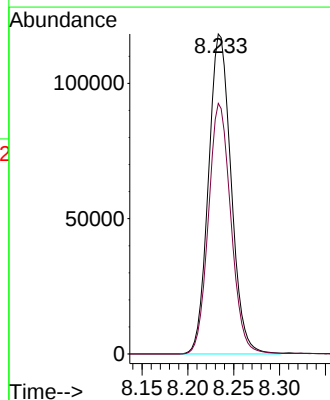
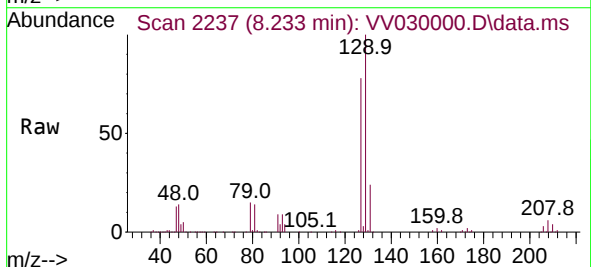
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 60.0  | 53.2  | 79.8  |
| 57  | 19.7  | 17.6  | 26.4  |
| 100 | 13.6  | 13.2  | 19.8  |

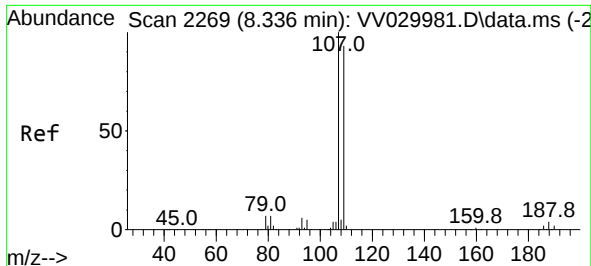


#49  
Dibromochloromethane  
Concen: 51.832 ug/L  
RT: 8.233 min Scan# 2237  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 129 Resp: 203198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.3  | 53.5  | 99.5  |

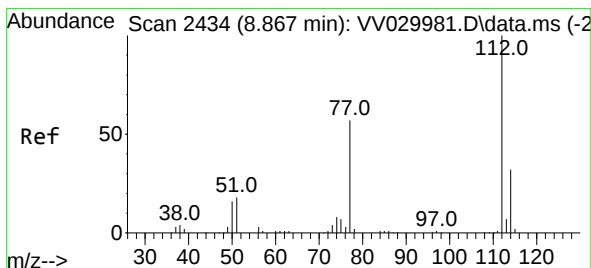
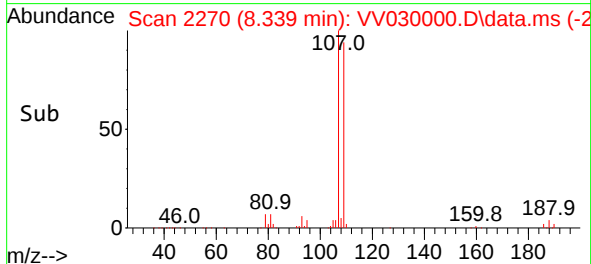
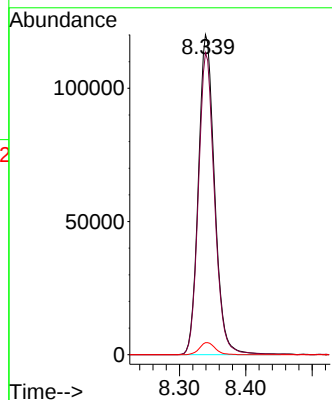
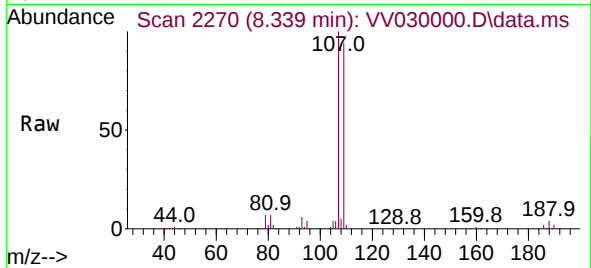




#50  
1,2-Dibromoethane  
Concen: 54.110 ug/L  
RT: 8.339 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

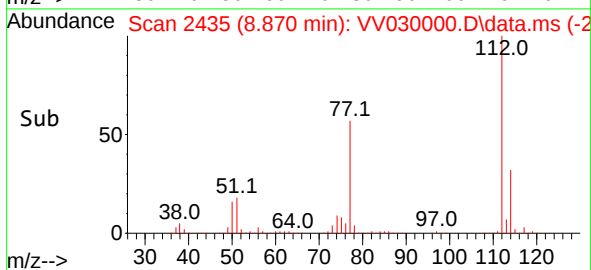
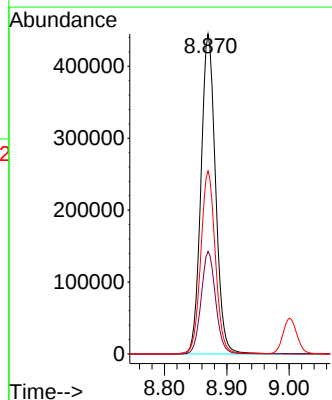
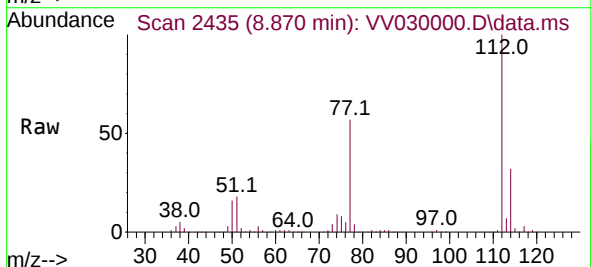
Instrument :  
MSVOA\_V  
ClientSampleId :

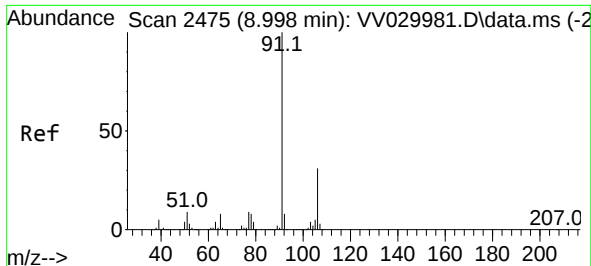
Tgt Ion:107 Resp: 204083  
Ion Ratio Lower Upper  
107 100  
109 94.3 65.5 121.6  
188 3.8 3.4 5.0



#51  
Chlorobenzene  
Concen: 68.837 ug/L  
RT: 8.870 min Scan# 2435  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion:112 Resp: 723836  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.6 42.0  
77 57.1 44.6 66.8

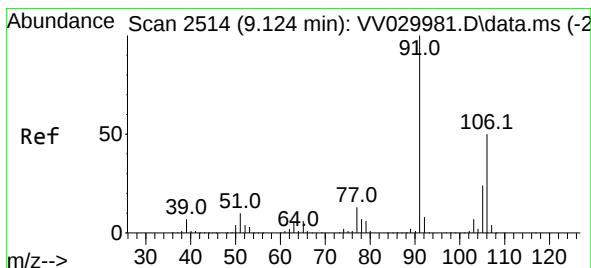
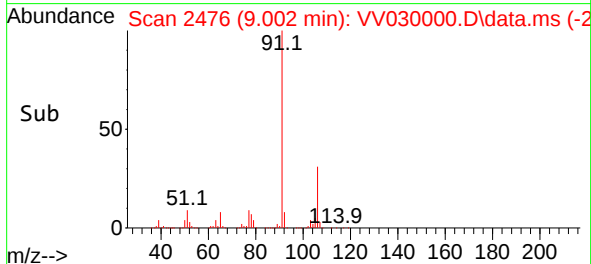
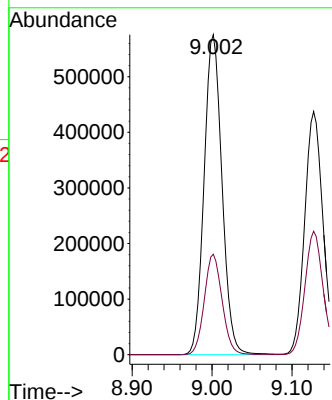
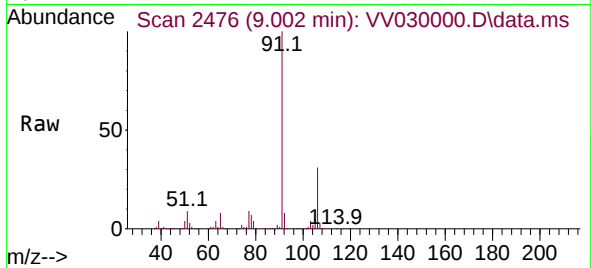




#52  
Ethylbenzene  
Concen: 53.711 ug/L  
RT: 9.002 min Scan# 2475  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

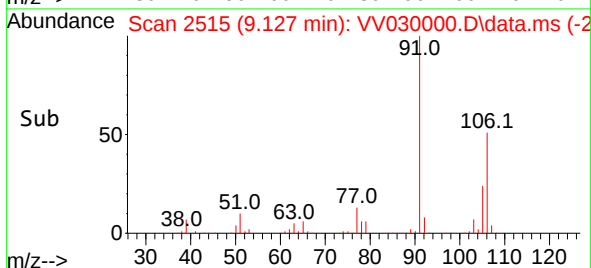
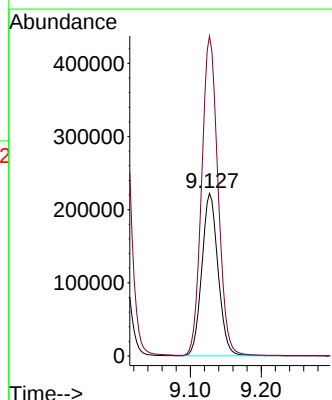
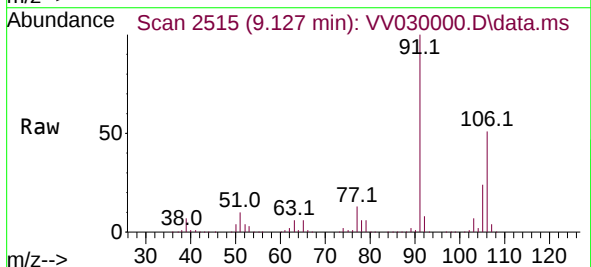
Instrument :  
MSVOA\_V  
ClientSampleId :

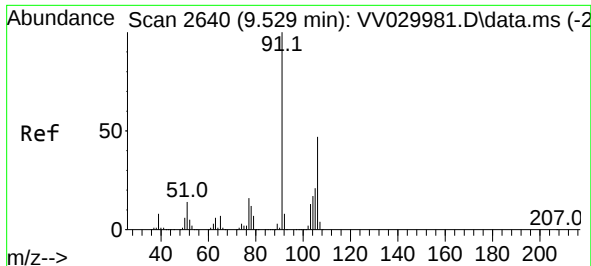
Tgt Ion: 91 Resp: 898261  
Ion Ratio Lower Upper  
91 100  
106 31.4 22.0 40.8



#53  
m,p-Xylene  
Concen: 53.002 ug/L  
RT: 9.127 min Scan# 2515  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 106 Resp: 351973  
Ion Ratio Lower Upper  
106 100  
91 196.8 138.9 258.1

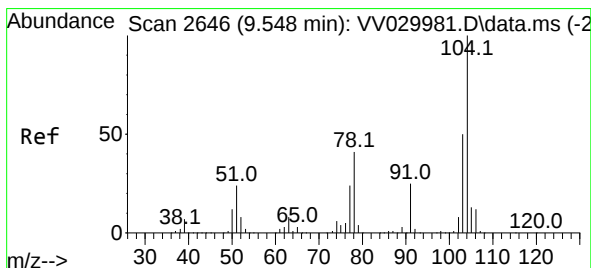
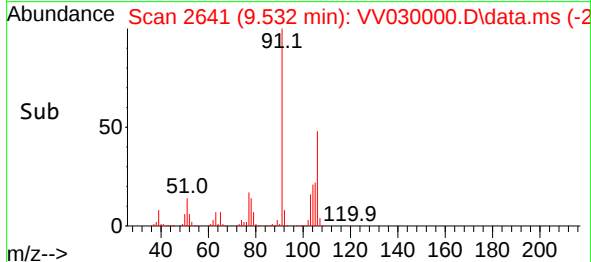
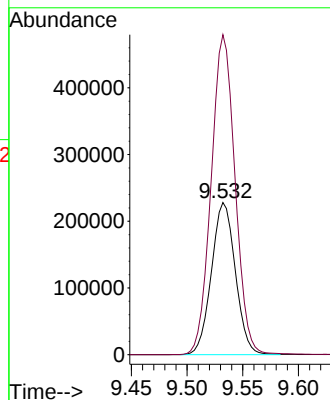
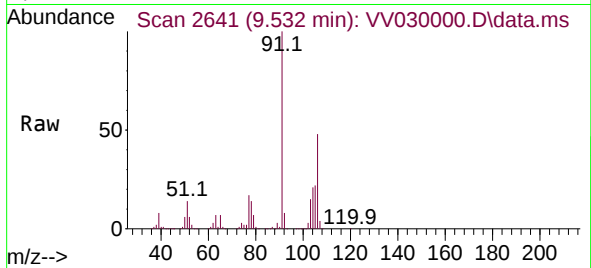




#54  
o-Xylene  
Concen: 53.023 ug/L  
RT: 9.532 min Scan# 2641  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

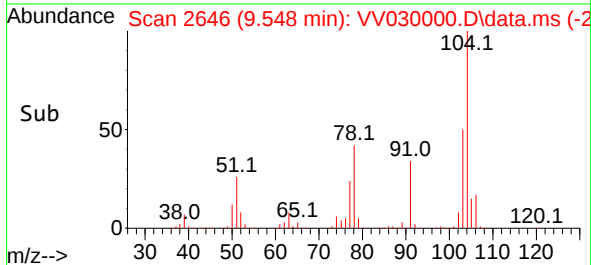
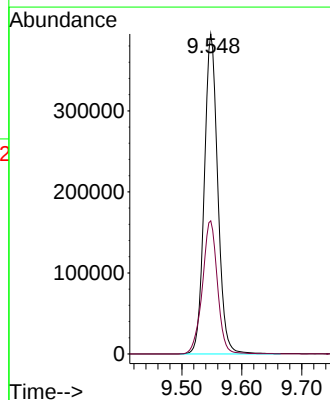
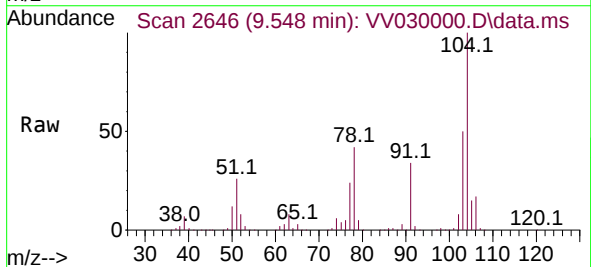
Instrument :  
MSVOA\_V  
ClientSampleId :

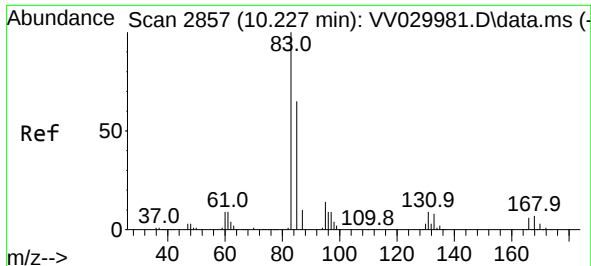
Tgt Ion:106 Resp: 340910  
Ion Ratio Lower Upper  
106 100  
91 210.3 146.2 271.6



#55  
Styrene  
Concen: 53.433 ug/L  
RT: 9.548 min Scan# 2646  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion:104 Resp: 619582  
Ion Ratio Lower Upper  
104 100  
78 41.6 28.6 53.0

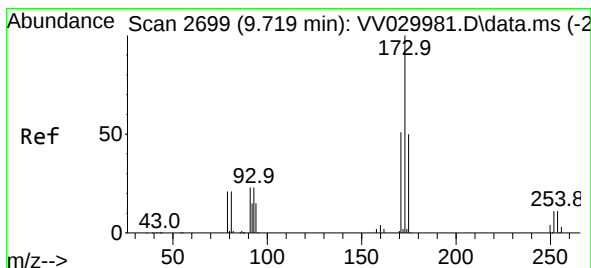
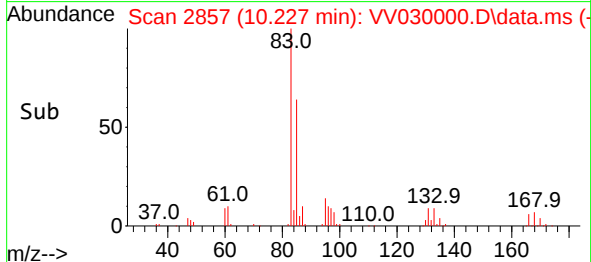
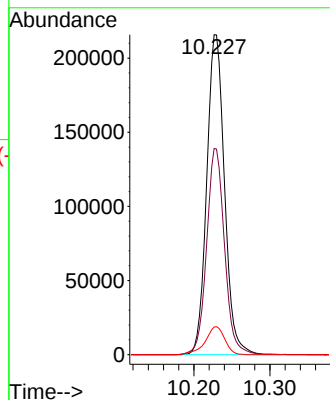
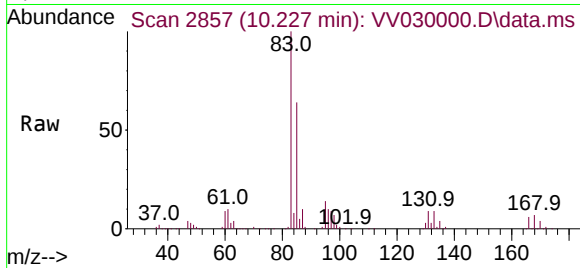




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.414 ug/L  
 RT: 10.227 min Scan# 2857  
 Delta R.T. 0.000 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

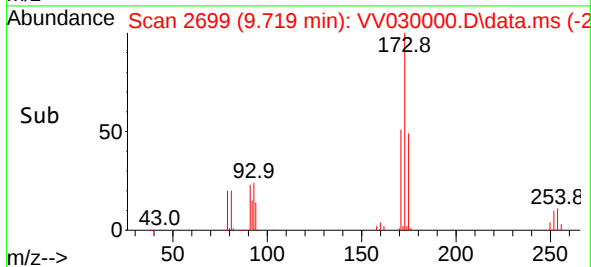
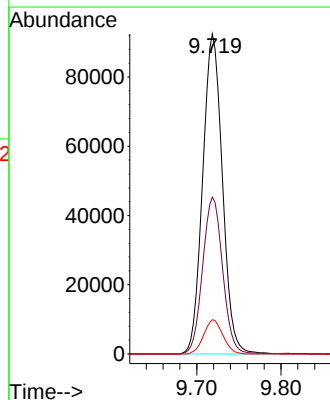
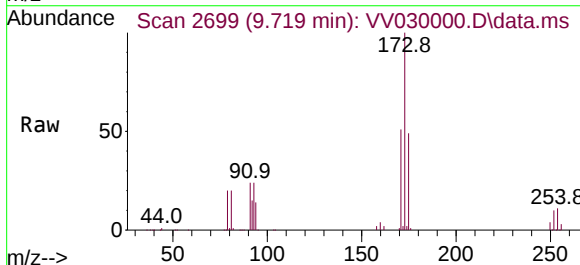
Instrument :  
 MSVOA\_V  
 ClientSampleId :

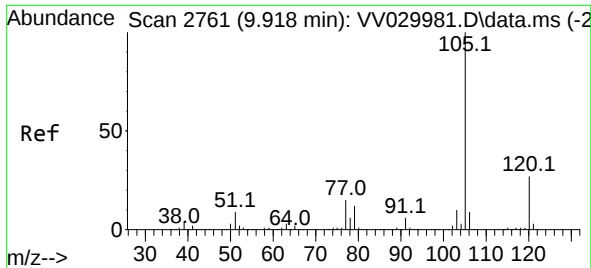
Tgt Ion: 83 Resp: 350510  
 Ion Ratio Lower Upper  
 83 100  
 85 64.4 44.9 83.3  
 131 8.6 8.1 12.1



#59  
 Bromoform  
 Concen: 52.517 ug/L  
 RT: 9.719 min Scan# 2699  
 Delta R.T. 0.000 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

Tgt Ion: 173 Resp: 150936  
 Ion Ratio Lower Upper  
 173 100  
 175 49.6 39.5 59.3  
 254 10.4 8.2 12.2

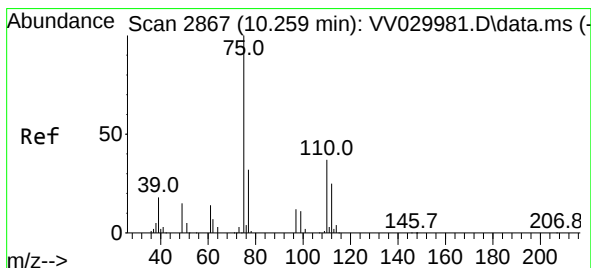
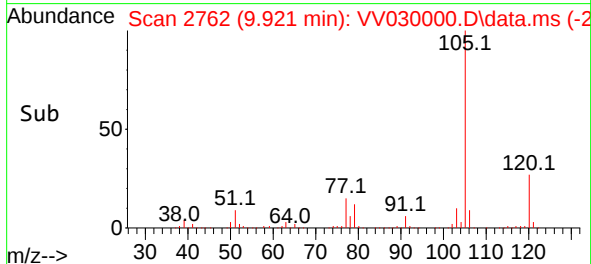
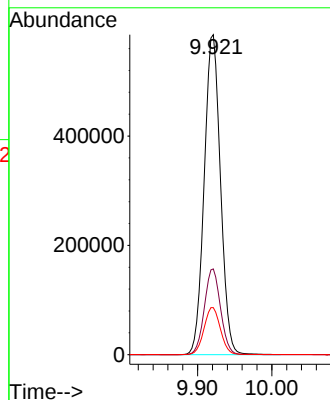
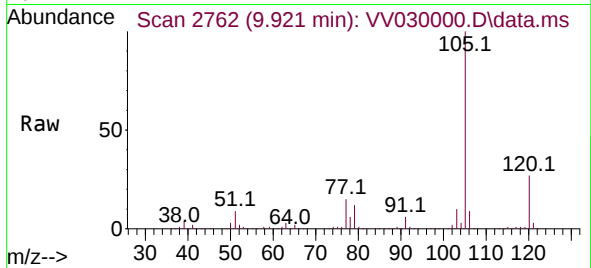




#60  
Isopropylbenzene  
Concen: 51.456 ug/L  
RT: 9.921 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

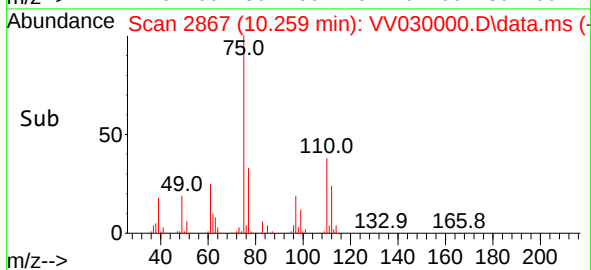
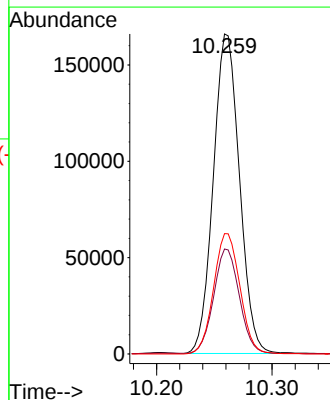
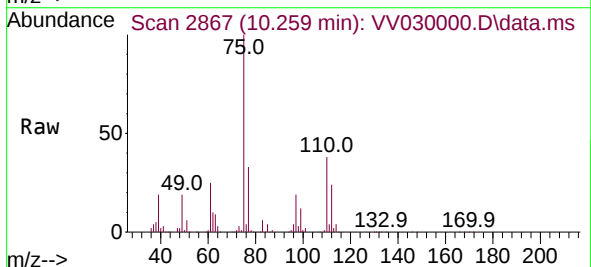
Instrument :  
MSVOA\_V  
ClientSampleId :

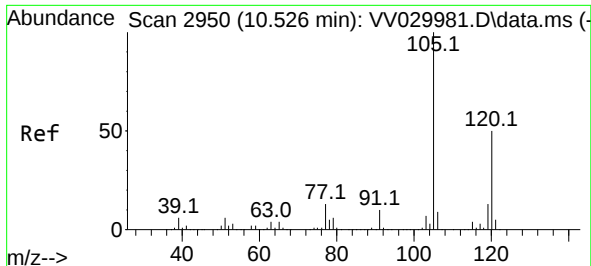
Tgt Ion:105 Resp: 889476  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.4 32.2  
77 14.9 11.6 17.4



#61  
1,2,3-Trichloropropane  
Concen: 55.331 ug/L  
RT: 10.259 min Scan# 2867  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion: 75 Resp: 261117  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.9 38.9  
110 37.9 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 52.208 ug/L

RT: 10.526 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

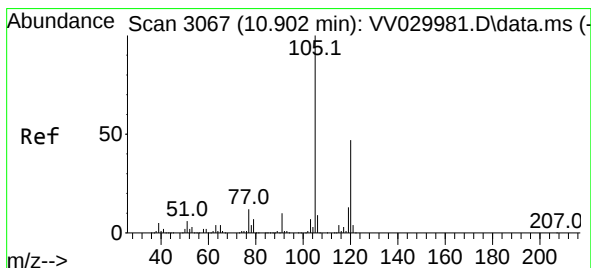
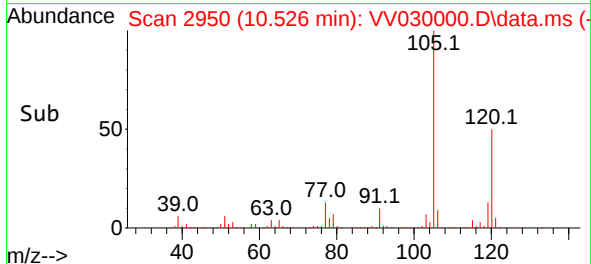
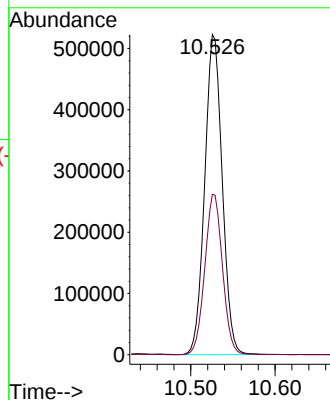
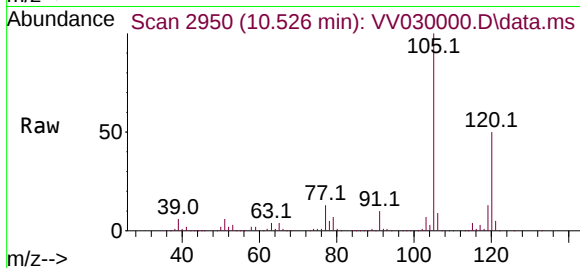
ClientSampleId :

Tgt Ion:105 Resp: 757737

Ion Ratio Lower Upper

105 100

120 50.5 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 51.693 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV030000.D

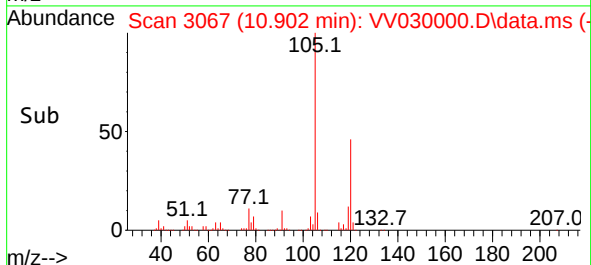
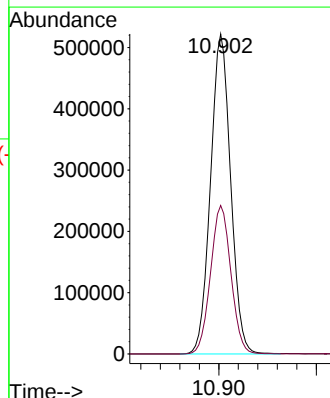
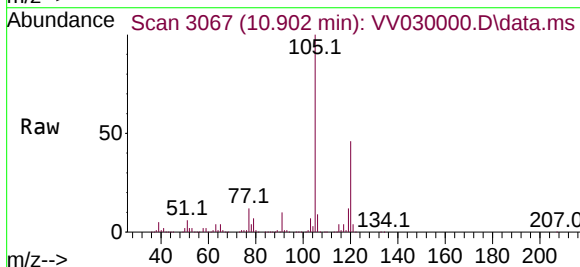
Acq: 30 Jan 2023 18:34

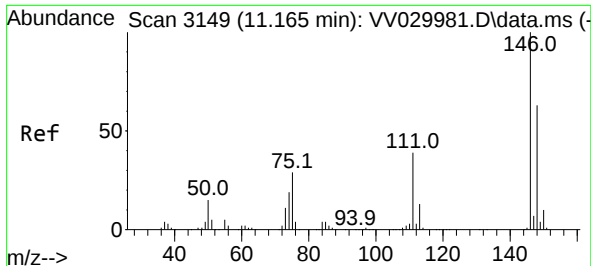
Tgt Ion:105 Resp: 747786

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.6

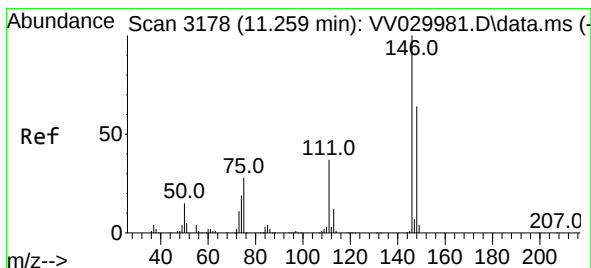
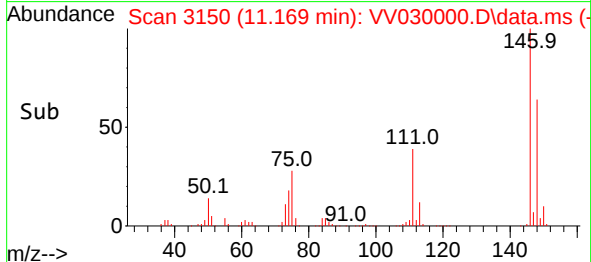
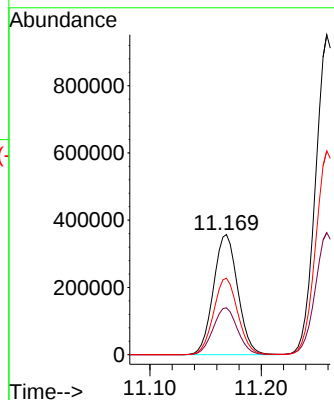
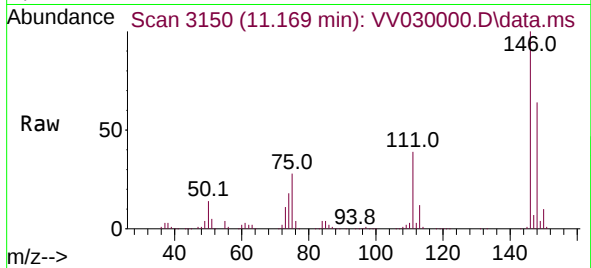




#64  
1,3-Dichlorobenzene  
Concen: 62.128 ug/L  
RT: 11.169 min Scan# 3149  
Delta R.T. 0.003 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

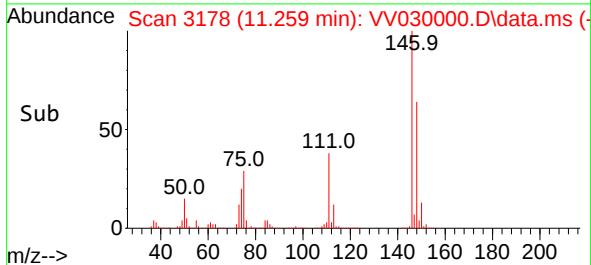
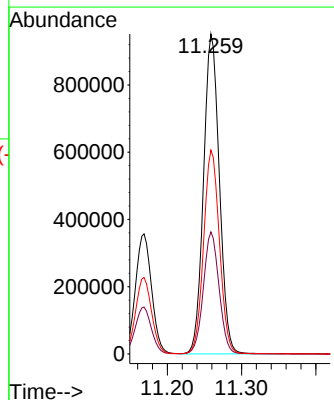
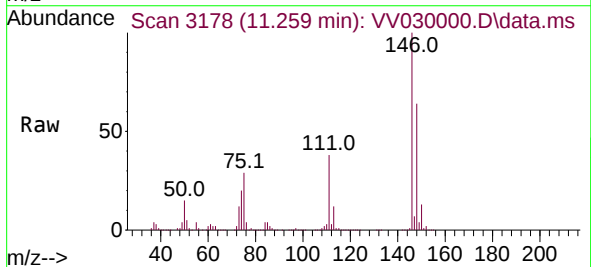
Instrument :  
MSVOA\_V  
ClientSampleId :

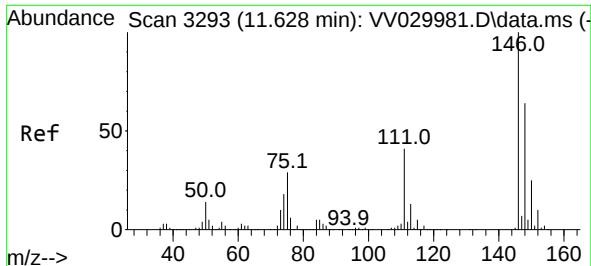
Tgt Ion:146 Resp: 542571  
Ion Ratio Lower Upper  
146 100  
111 39.0 26.9 50.1  
148 63.6 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 155.406 ug/L  
RT: 11.259 min Scan# 3178  
Delta R.T. 0.000 min  
Lab File: VV030000.D  
Acq: 30 Jan 2023 18:34

Tgt Ion:146 Resp: 1406068  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.2 48.8  
148 63.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 814.819 ug/L

RT: 11.632 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

ClientSampleId :

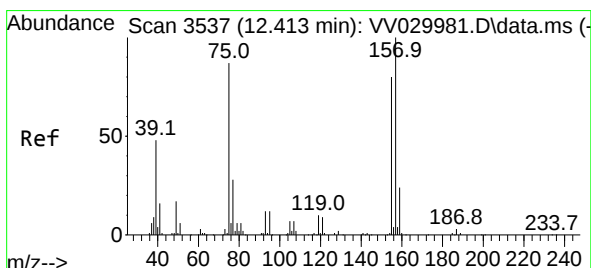
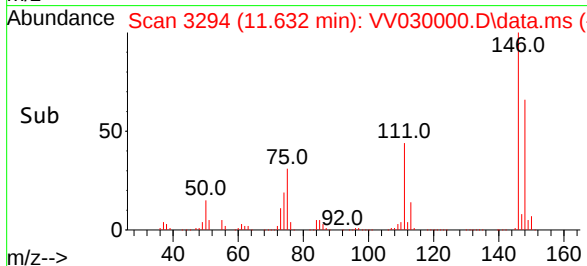
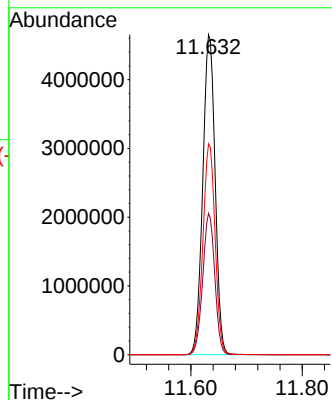
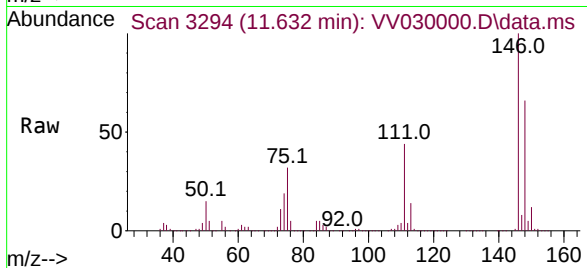
Tgt Ion:146 Resp: 7163569

Ion Ratio Lower Upper

146 100

111 44.2 32.7 49.1

148 65.9 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 56.923 ug/L

RT: 12.413 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

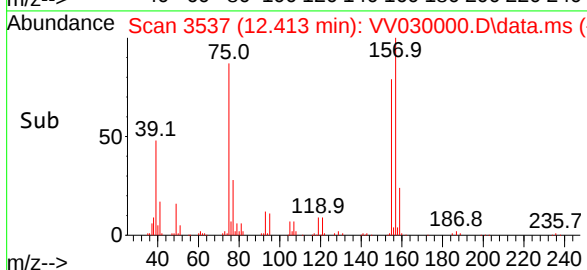
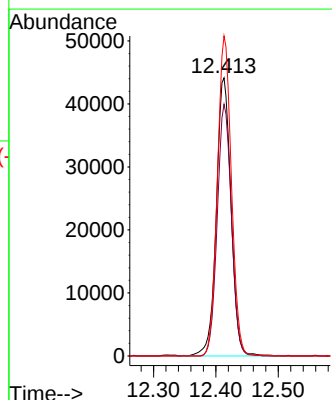
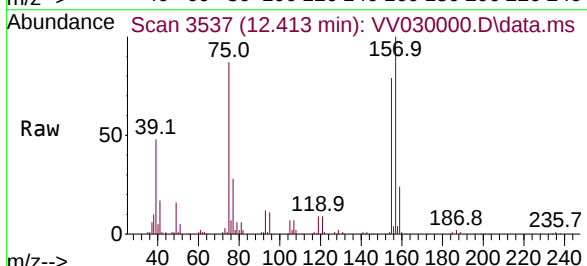
Tgt Ion: 75 Resp: 71782

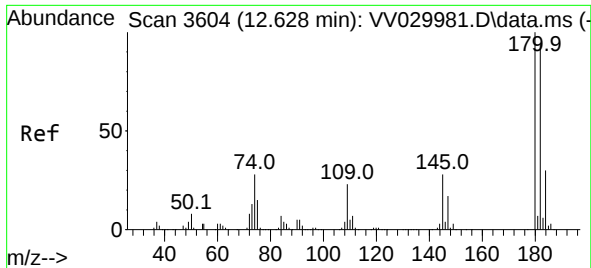
Ion Ratio Lower Upper

75 100

155 90.5 72.3 108.5

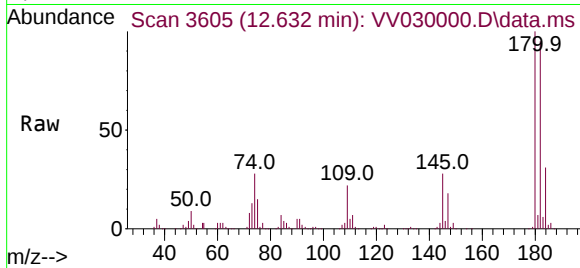
157 115.0 95.4 143.2



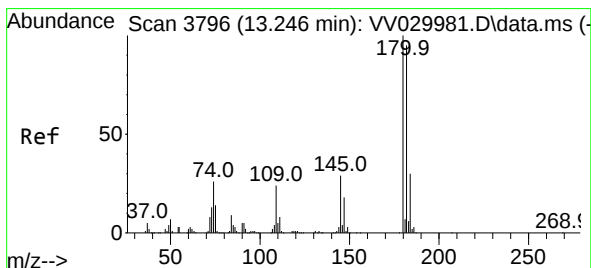
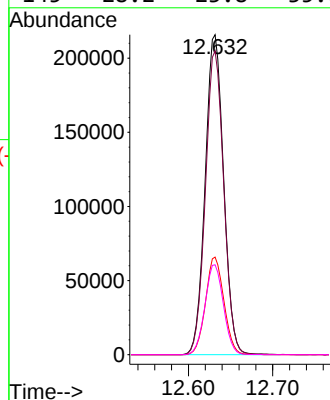
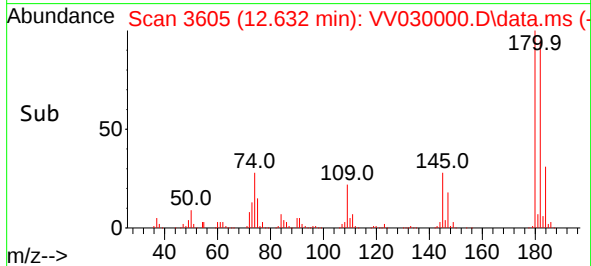


#69  
 1,3,5-Trichlorobenzene  
 Concen: 48.474 ug/L  
 RT: 12.632 min Scan# 3605  
 Delta R.T. 0.003 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34

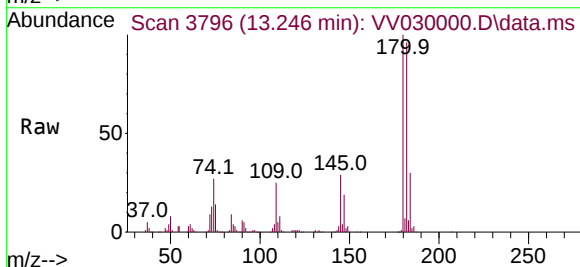
Instrument :  
 MSVOA\_V  
 ClientSampleId :



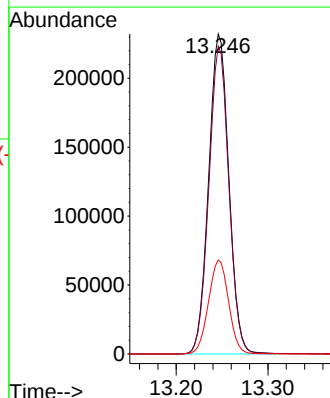
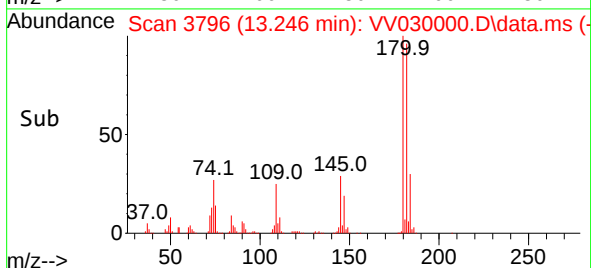
Tgt Ion:180 Resp: 329570  
 Ion Ratio Lower Upper  
 180 100  
 182 94.2 76.2 114.4  
 184 30.4 23.9 35.9  
 145 28.2 23.8 35.6

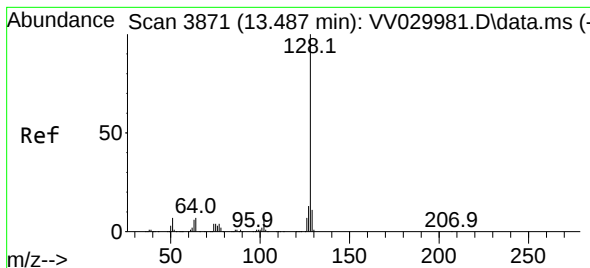


#70  
 1,2,4-trichlorobenzene  
 Concen: 59.234 ug/L  
 RT: 13.246 min Scan# 3796  
 Delta R.T. 0.000 min  
 Lab File: VV030000.D  
 Acq: 30 Jan 2023 18:34



Tgt Ion:180 Resp: 355468  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 76.0 114.0  
 145 29.3 24.0 36.0





#71

Naphthalene

Concen: 55.928 ug/L

RT: 13.487 min Scan# 3871

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Instrument :

MSVOA\_V

ClientSampleId :

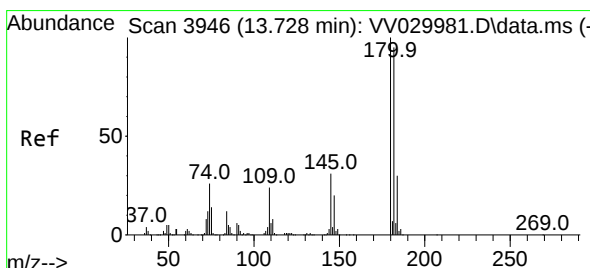
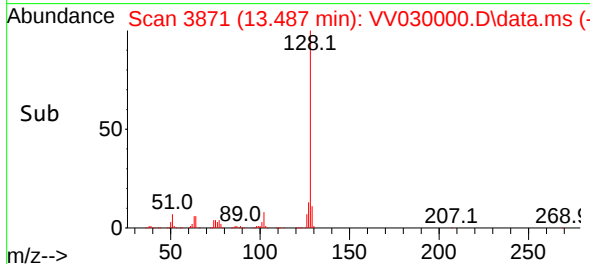
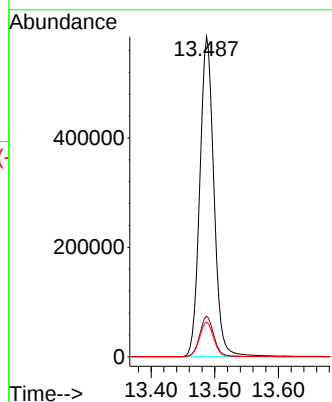
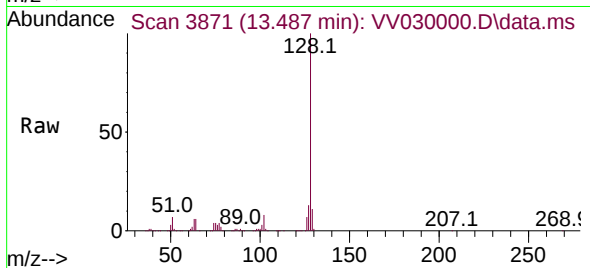
Tgt Ion:128 Resp: 902655

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.111 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. 0.000 min

Lab File: VV030000.D

Acq: 30 Jan 2023 18:34

Tgt Ion:180 Resp: 310608

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 31.0 25.7 38.5

