

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072322\  
 Data File : VW026912.D  
 Acq On : 23 Jul 2022 09:37  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

Quant Time: Jul 25 01:56:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114   | 537947   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847   | 117   | 552005   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 316119   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301   | 65    | 202426   | 44.866   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.740%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 175353   | 48.041   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.080%  |
| 11) 1,1-Dichloroethene-d2     | 2.101   | 63    | 378420   | 46.620   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.240%  |
| 21) 2-Butanone-d5             | 3.879   | 46    | 291851   | 95.967   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 95.970%  |
| 24) Chloroform-d              | 4.339   | 84    | 433989   | 48.875   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.760%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 248881   | 49.000   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.000%  |
| 32) Benzene-d6                | 5.040   | 84    | 844840   | 50.632   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.260% |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 264022   | 49.100   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.200%  |
| 41) Toluene-d8                | 7.310   | 98    | 774579   | 53.055   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.120% |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79    | 95578    | 42.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.840%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 231440   | 98.849   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 98.850%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 400927   | 49.080   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 288632   | 48.668   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124   | 85    | 261120   | 46.986   | ug/L   | 100      |
| 3) Chloromethane              | 1.236   | 50    | 239048   | 45.997   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.304   | 62    | 259480   | 46.969   | ug/L   | 100      |
| 6) Bromomethane               | 1.516   | 94    | 160324   | 48.028   | ug/L   | 99       |
| 8) Chloroethane               | 1.577   | 64    | 157011   | 48.367   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.744   | 101   | 363469   | 47.738   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 210521   | 47.277   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.111   | 96    | 199699   | 48.012   | ug/L   | 95       |
| 13) Acetone                   | 2.175   | 43    | 199119   | 93.249   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.285   | 76    | 566902   | 47.770   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 220320   | 46.778   | ug/L   | 99       |
| 16) Methylene chloride        | 2.497   | 84    | 253102   | 47.737   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.751   | 96    | 211667   | 48.161   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 614121   | 50.301   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.182   | 63    | 394483   | 48.736   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 230090   | 49.676   | ug/L   | 96       |
| 22) 2-Butanone                | 3.966   | 43    | 289372   | 99.360   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.236   | 128   | 130897   | 49.354   | ug/L   | 97       |
| 25) Chloroform                | 4.365   | 83    | 421668   | 48.845   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072322\  
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 Acq On : 23 Jul 2022 09:37  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

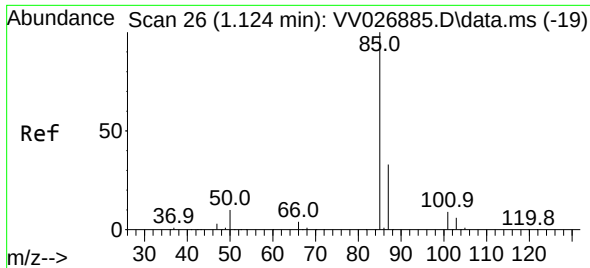
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

Quant Time: Jul 25 01:56:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 23 00:23:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.121  | 62   | 295686   | 48.539  | ug/L  | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 285850   | 49.520  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 356045   | 48.819  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 314317   | 49.222  | ug/L  | 100      |
| 33) Benzene                   | 5.092  | 78   | 918572   | 51.745  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 214345   | 46.987  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 329619   | 48.801  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 236391   | 51.164  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 303345   | 48.439  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 269590   | 42.043  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 555057   | 100.950 | ug/L  | 100      |
| 42) Toluene                   | 7.384  | 91   | 960798   | 53.025  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 266153   | 42.090  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 244495   | 49.691  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.969  | 164  | 173333   | 48.710  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 445583   | 104.124 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.243  | 129  | 250027   | 48.618  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 248940   | 49.452  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.876  | 112  | 617814   | 48.916  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 964635   | 51.288  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 392107   | 53.244  | ug/L  | 100      |
| 54) o-Xylene                  | 9.542  | 106  | 372956   | 52.583  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 692625   | 55.294  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 392705   | 49.444  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 169267   | 47.927  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 960631   | 51.422  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 301696   | 47.561  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 776631   | 51.151  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 798374   | 52.424  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 471467   | 49.394  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 491558   | 48.602  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 485843   | 49.611  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 75754    | 44.700  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 302872   | 44.822  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 250203   | 43.947  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 812884   | 45.403  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 288064   | 48.505  | ug/L  | 99       |

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

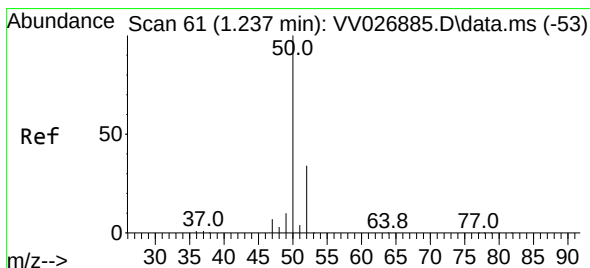
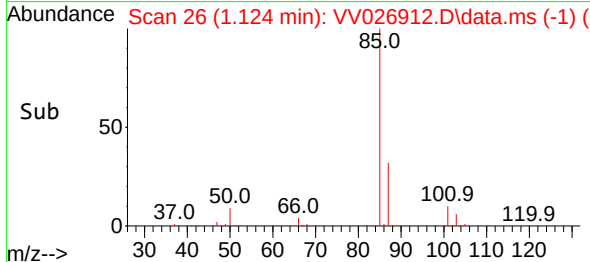
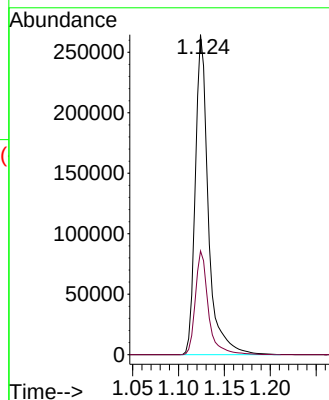
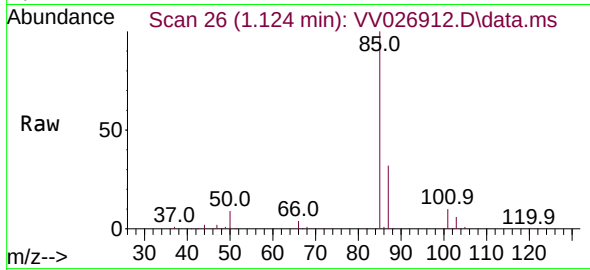




#2  
 Dichlorodifluoromethane  
 Concen: 46.986 ug/L  
 RT: 1.124 min Scan# 26  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

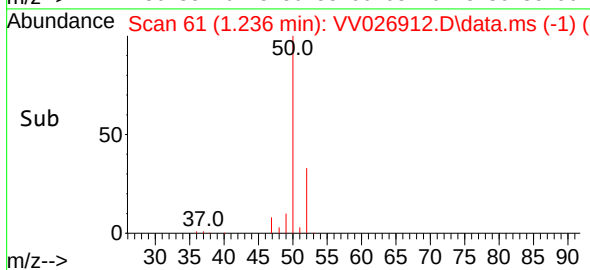
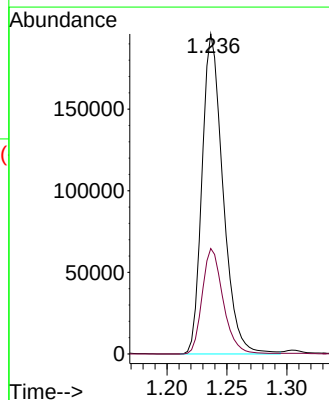
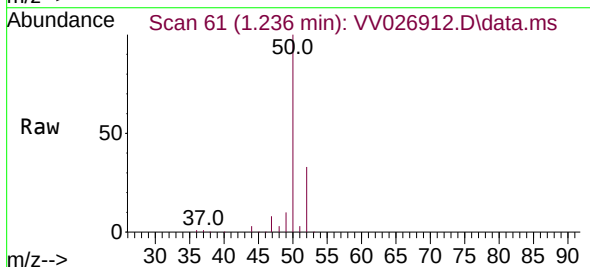
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

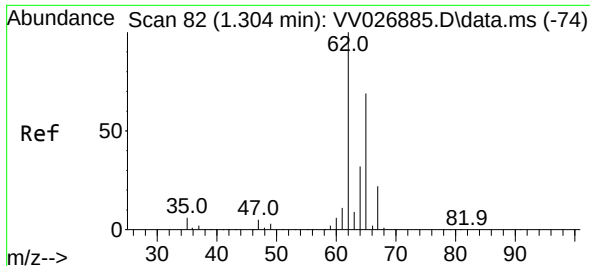
Tgt Ion: 85 Resp: 261120  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 26.1 39.1



#3  
 Chloromethane  
 Concen: 45.997 ug/L  
 RT: 1.236 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

Tgt Ion: 50 Resp: 239048  
 Ion Ratio Lower Upper  
 50 100  
 52 32.9 23.1 42.9

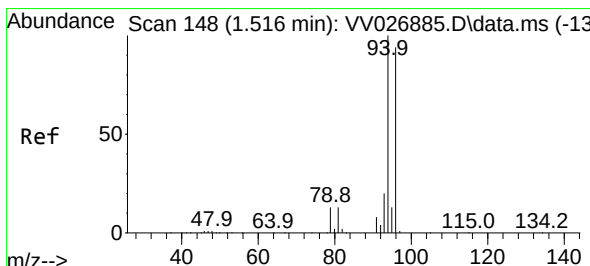
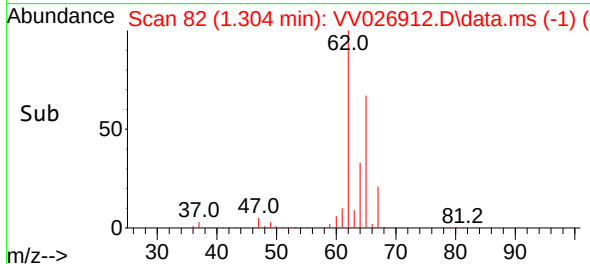
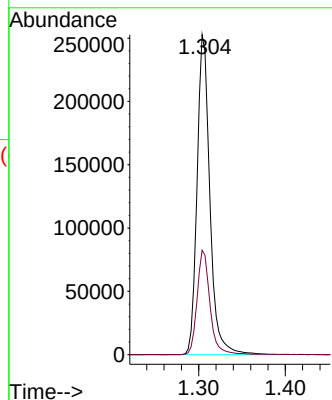
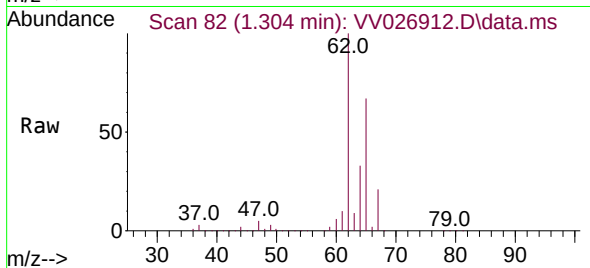




#5  
 Vinyl chloride  
 Concen: 46.969 ug/L  
 RT: 1.304 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

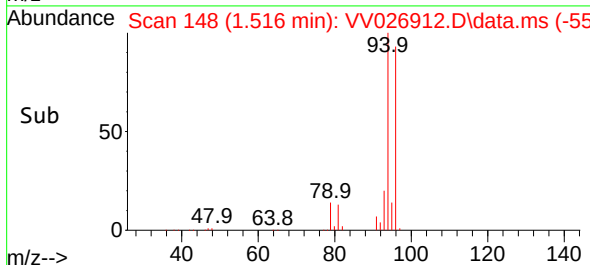
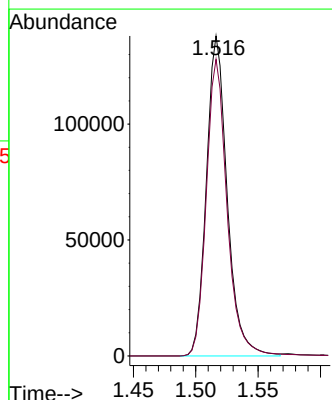
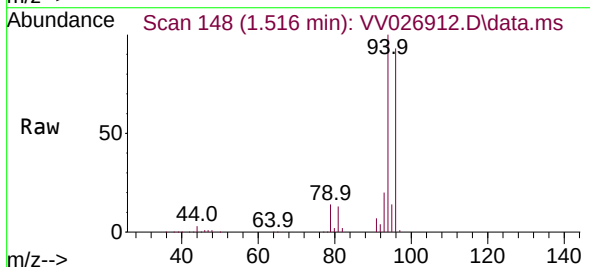
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

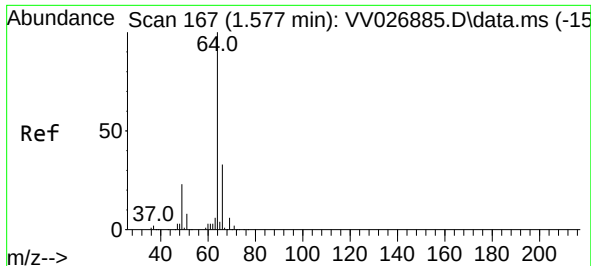
Tgt Ion: 62 Resp: 259480  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.0 42.6



#6  
 Bromomethane  
 Concen: 48.028 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

Tgt Ion: 94 Resp: 160324  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 65.8 122.2

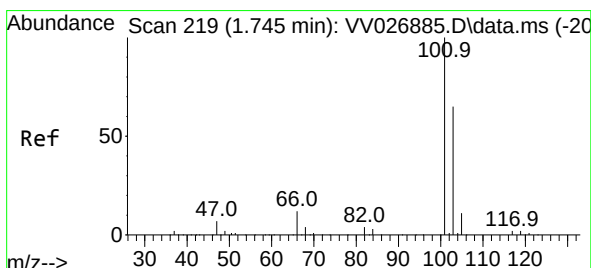
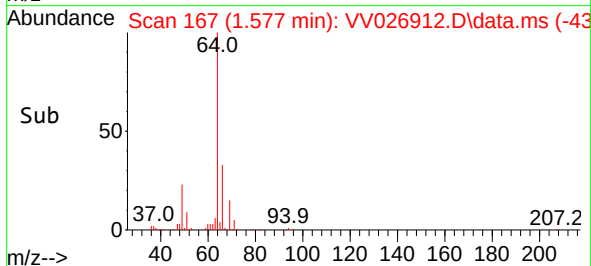
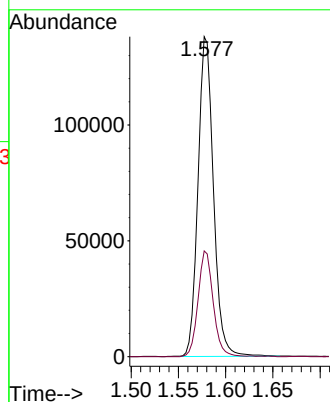
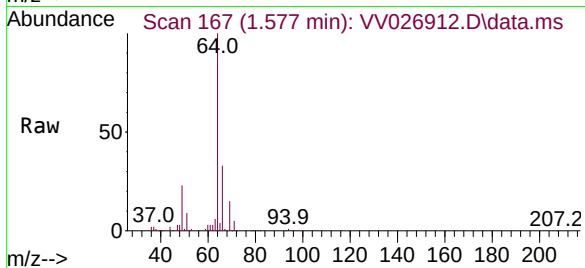




#8  
Chloroethane  
Concen: 48.367 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

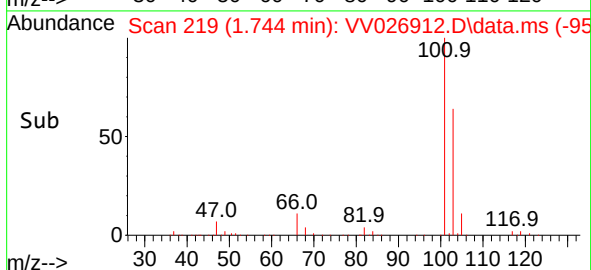
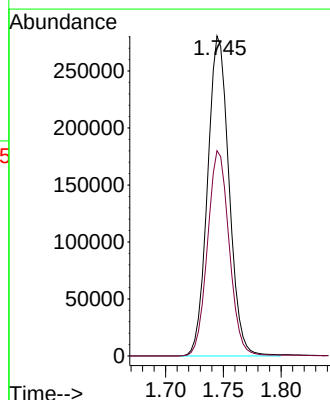
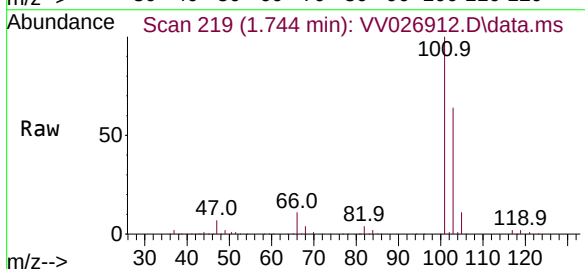
Instrument :  
MSVOA\_V  
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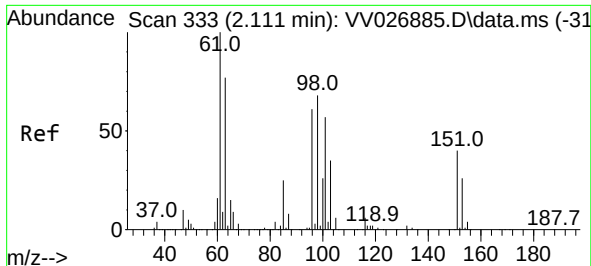
Tgt Ion: 64 Resp: 157011  
Ion Ratio Lower Upper  
64 100  
66 33.0 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 47.738 ug/L  
RT: 1.744 min Scan# 219  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 101 Resp: 363469  
Ion Ratio Lower Upper  
101 100  
103 64.6 51.8 77.8

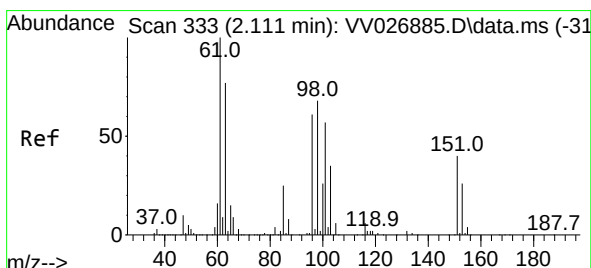
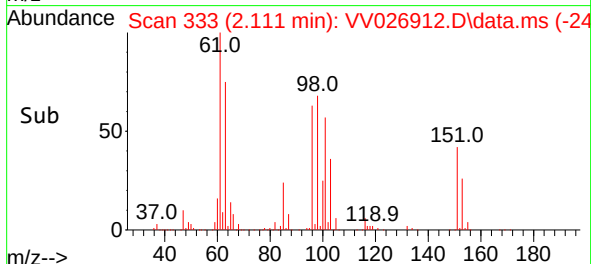
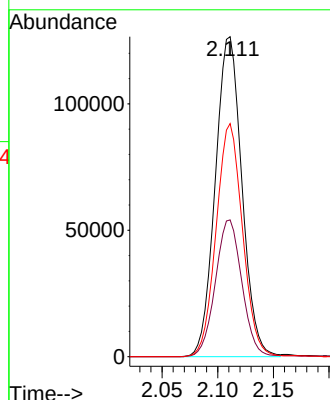
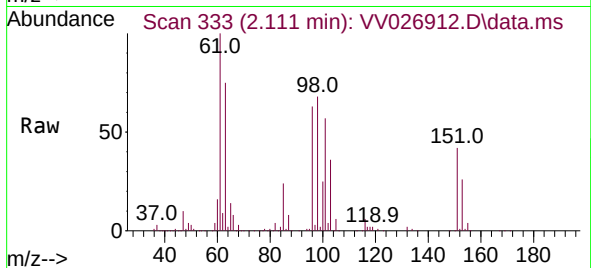




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 47.277 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

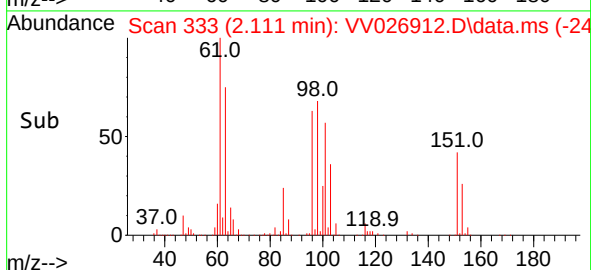
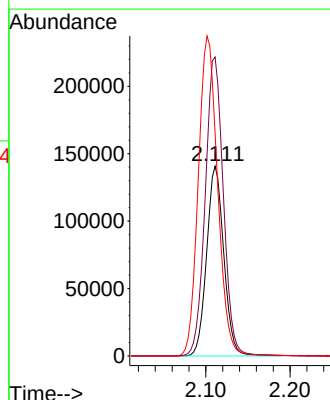
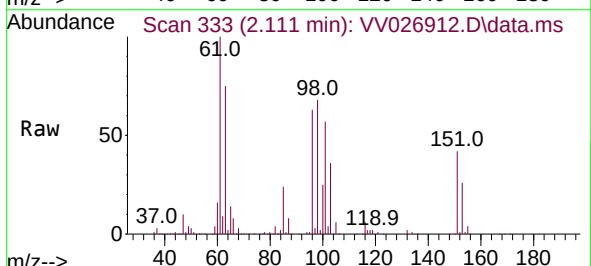
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

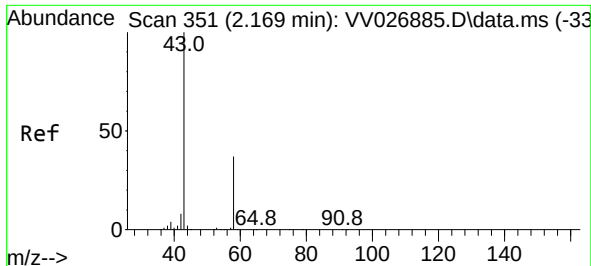
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 Ion Ratio Lower Upper  
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 85 42.6 33.1 49.7  
 151 72.2 57.1 85.7



#12  
 1,1-Dichloroethene  
 Concen: 48.012 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

Tgt Ion: 96 Resp: 199699  
 Ion Ratio Lower Upper  
 96 100  
 61 157.6 114.2 212.0  
 63 117.6 87.0 161.6





#13

Acetone

Concen: 93.249 ug/L

RT: 2.175 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

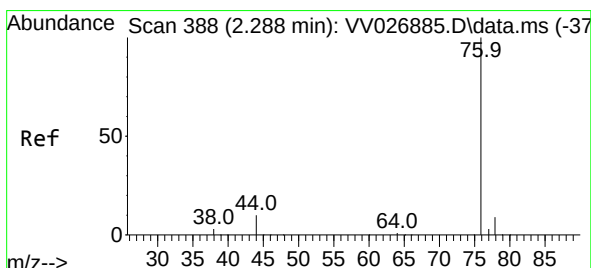
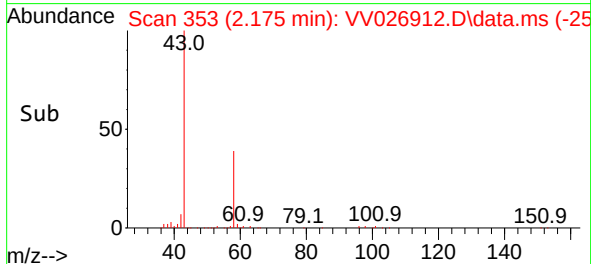
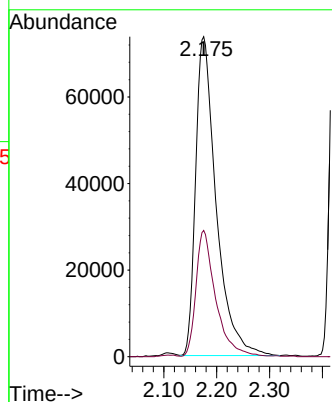
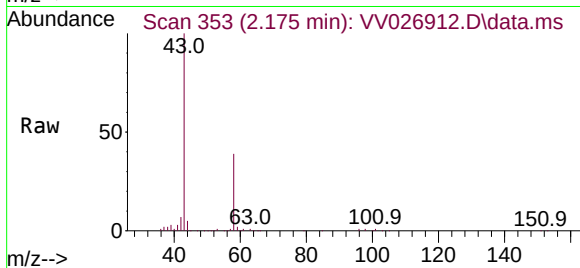
VSTD050306

Tgt Ion: 43 Resp: 199119

Ion Ratio Lower Upper

43 100

58 37.6 0.0 72.6



#14

Carbon disulfide

Concen: 47.770 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.003 min

Lab File: VV026912.D

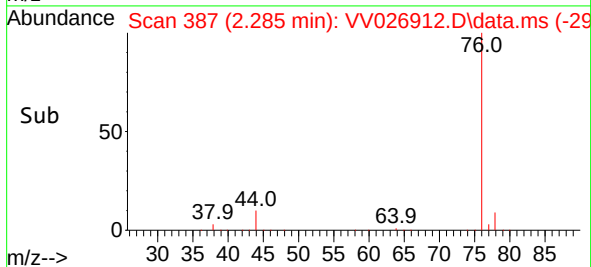
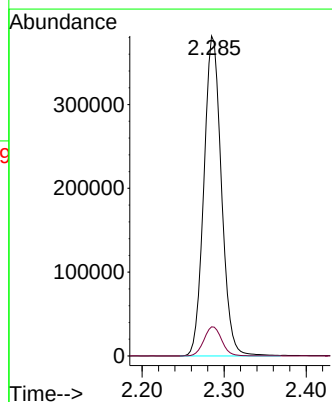
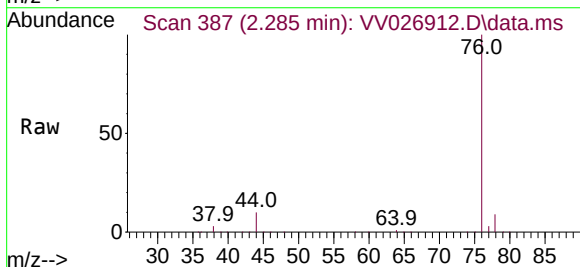
Acq: 23 Jul 2022 09:37

Tgt Ion: 76 Resp: 566902

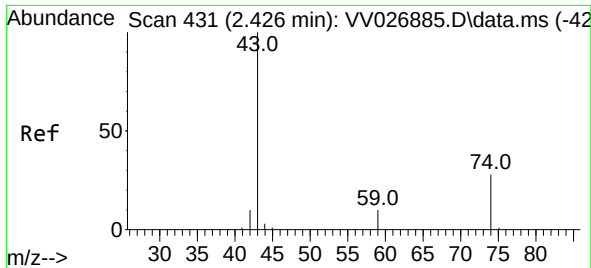
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



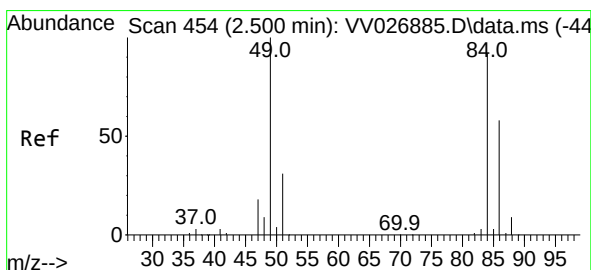
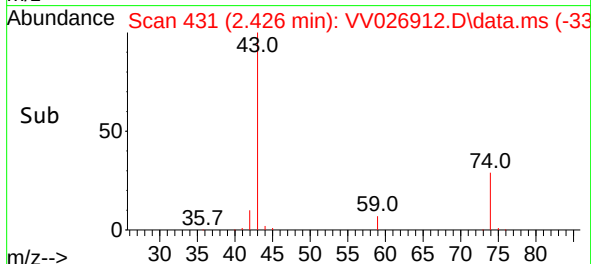
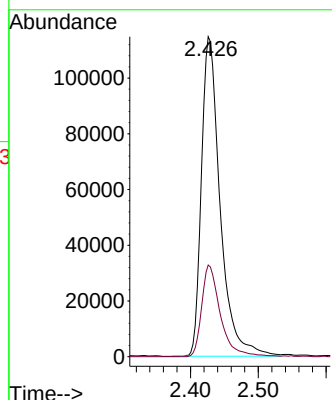
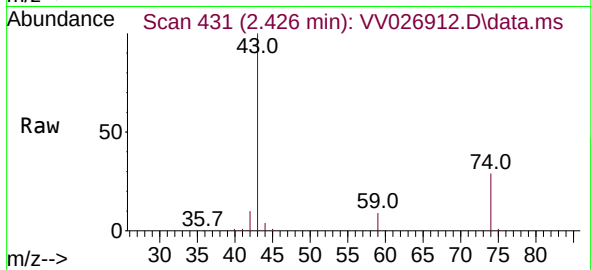




#15  
Methyl Acetate  
Concen: 46.778 ug/L  
RT: 2.426 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

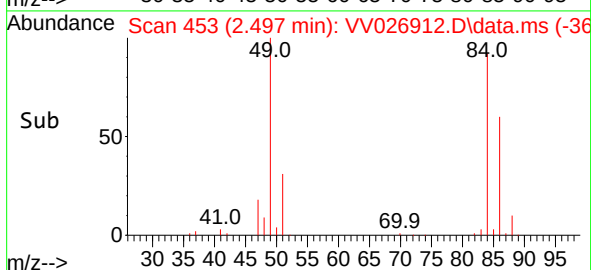
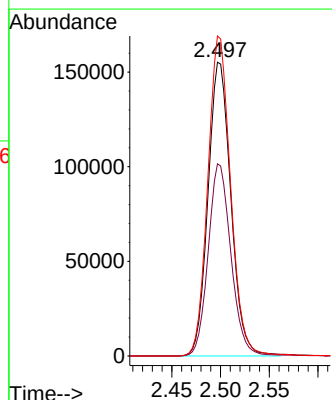
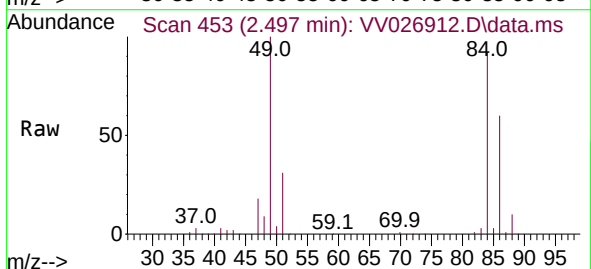
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

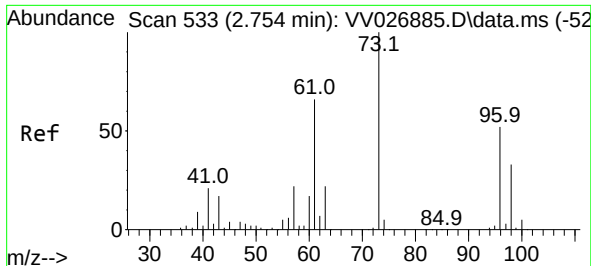
Tgt Ion: 43 Resp: 220320  
Ion Ratio Lower Upper  
43 100  
74 28.4 22.1 33.1



#16  
Methylene chloride  
Concen: 47.737 ug/L  
RT: 2.497 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 84 Resp: 253102  
Ion Ratio Lower Upper  
84 100  
86 65.4 44.5 82.7  
49 108.9 75.0 139.2

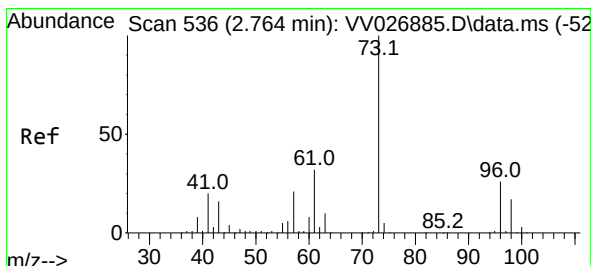
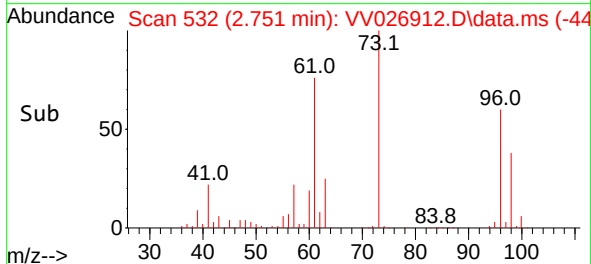
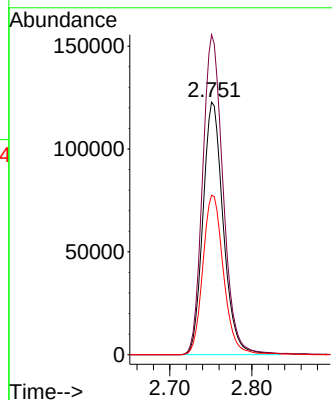
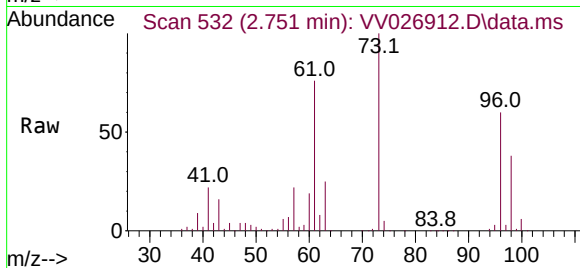




#17  
trans-1,2-Dichloroethene  
Concen: 48.161 ug/L  
RT: 2.751 min Scan# 511  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

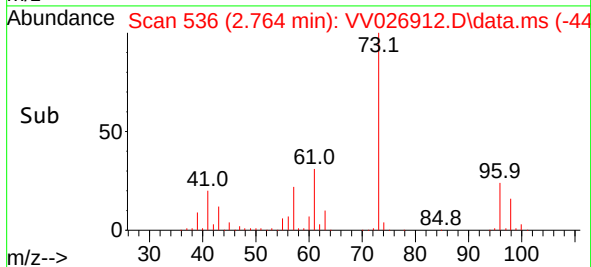
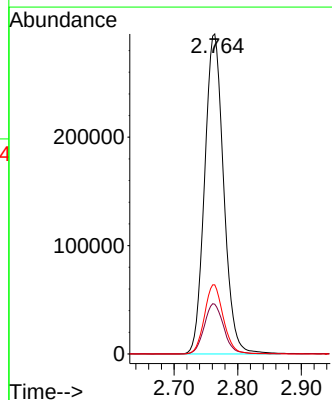
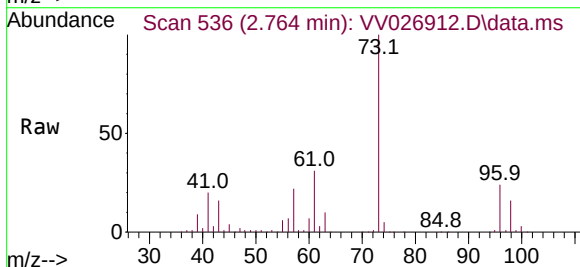
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

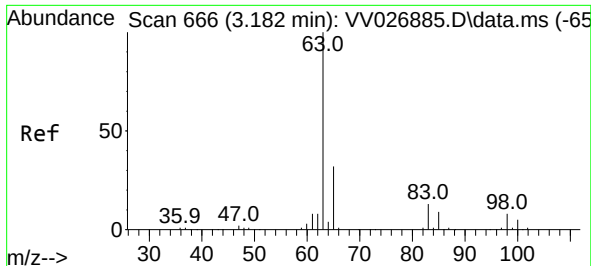
Tgt Ion: 96 Resp: 211667  
Ion Ratio Lower Upper  
96 100  
61 126.6 89.2 165.6  
98 63.1 44.7 82.9



#18  
Methyl tert-butyl Ether  
Concen: 50.301 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 73 Resp: 614121  
Ion Ratio Lower Upper  
73 100  
43 15.8 12.8 19.2  
57 21.5 17.3 25.9





#19

1,1-Dichloroethane

Concen: 48.736 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

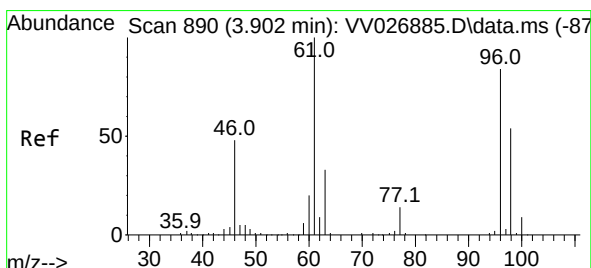
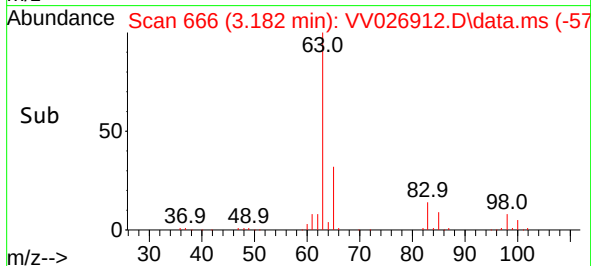
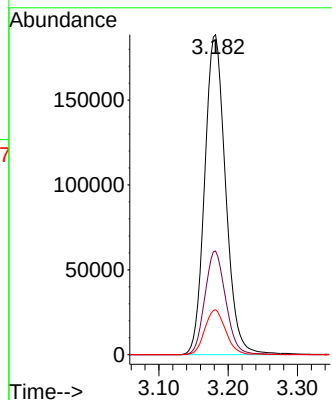
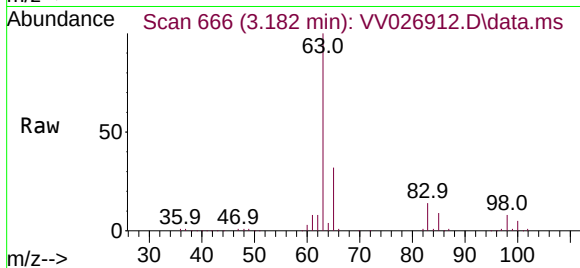
Tgt Ion: 63 Resp: 394483

Ion Ratio Lower Upper

63 100

65 32.4 22.6 42.0

83 14.0 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.676 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

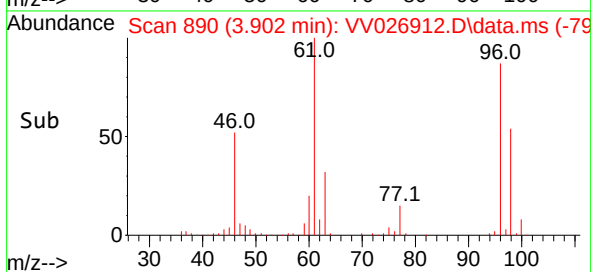
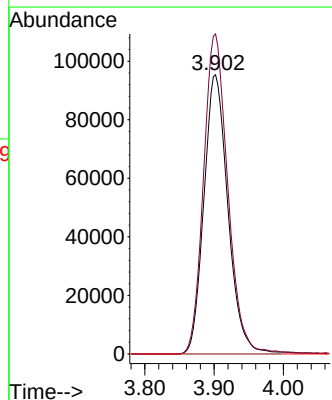
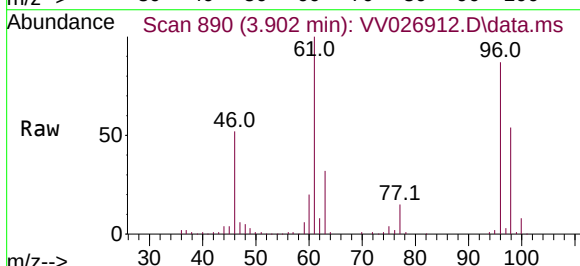
Tgt Ion: 96 Resp: 230090

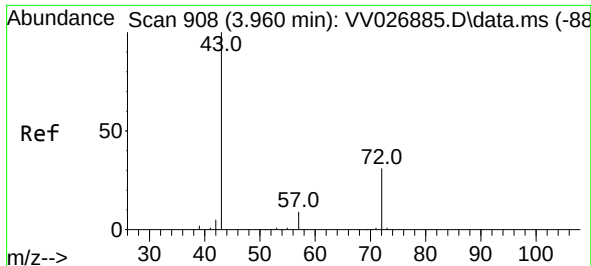
Ion Ratio Lower Upper

96 100

61 114.6 83.0 154.1

68 0.0 0.0 0.0

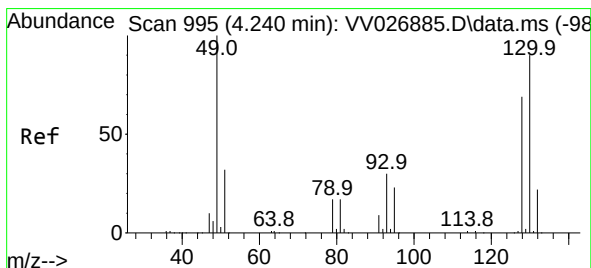
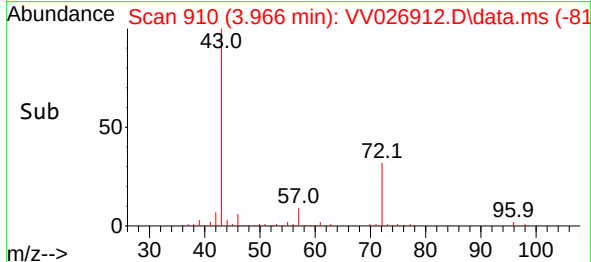
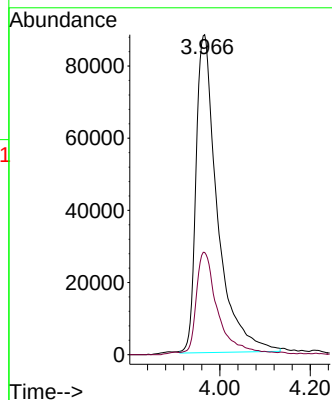
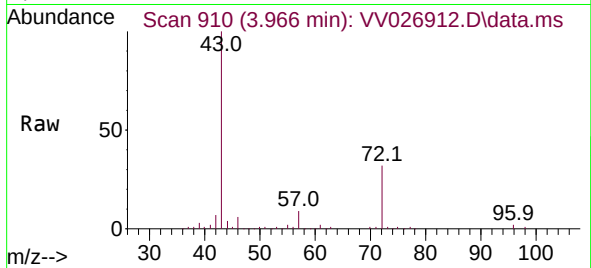




#22  
2-Butanone  
Concen: 99.360 ug/L  
RT: 3.966 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

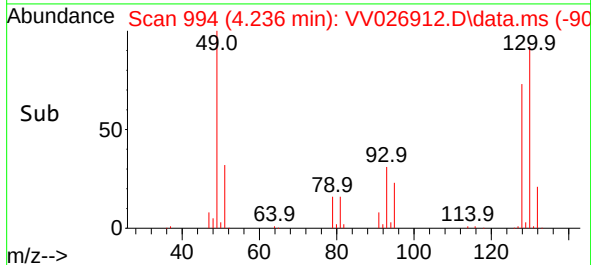
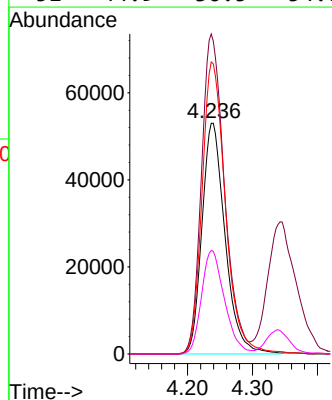
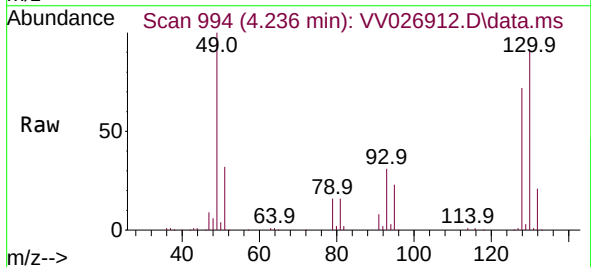
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

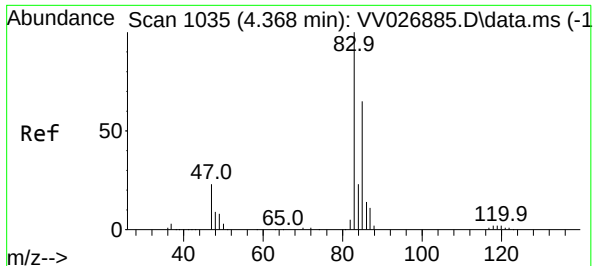
Tgt Ion: 43 Resp: 289372  
Ion Ratio Lower Upper  
43 100  
72 30.6 14.9 44.5



#23  
Bromochloromethane  
Concen: 49.354 ug/L  
RT: 4.236 min Scan# 994  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 128 Resp: 130897  
Ion Ratio Lower Upper  
128 100  
49 138.7 101.0 187.6  
130 126.6 90.0 167.2  
51 44.9 36.5 54.7





#25

Chloroform

Concen: 48.845 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

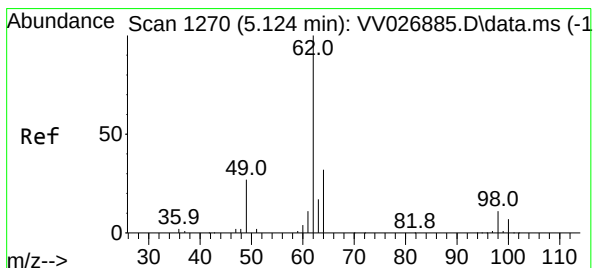
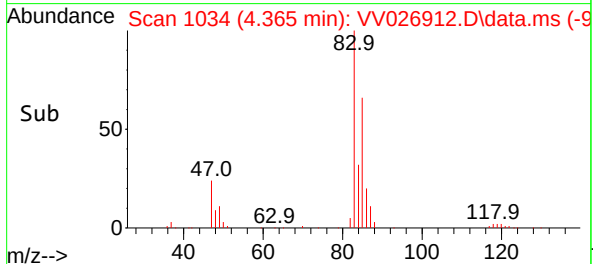
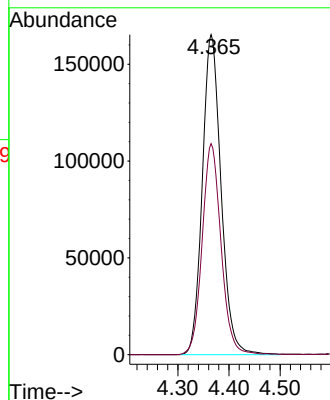
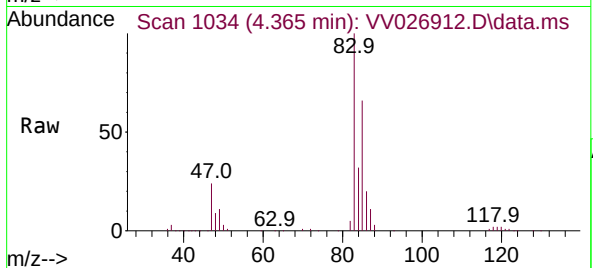
VSTD050306

Tgt Ion: 83 Resp: 421668

Ion Ratio Lower Upper

83 100

85 66.0 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.539 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV026912.D

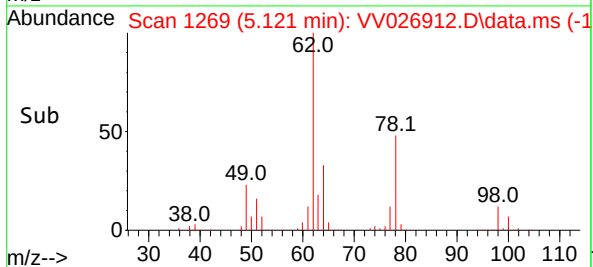
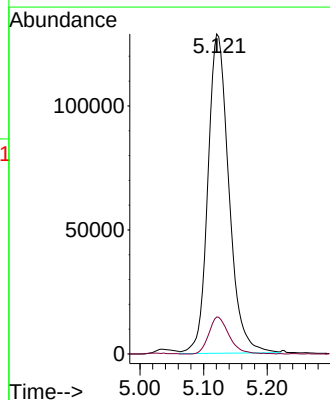
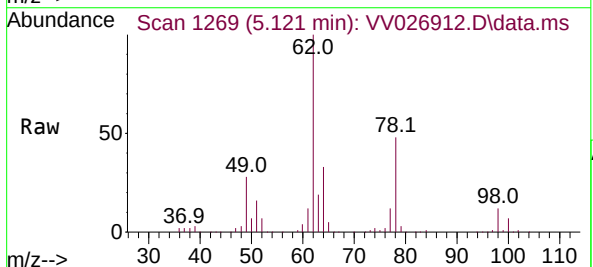
Acq: 23 Jul 2022 09:37

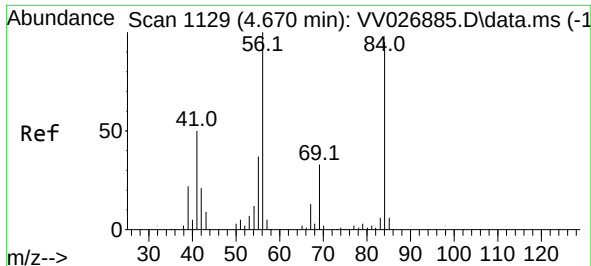
Tgt Ion: 62 Resp: 295686

Ion Ratio Lower Upper

62 100

98 11.6 8.9 13.3





#29

Cyclohexane

Concen: 49.520 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

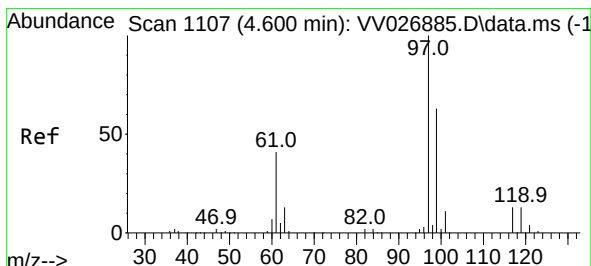
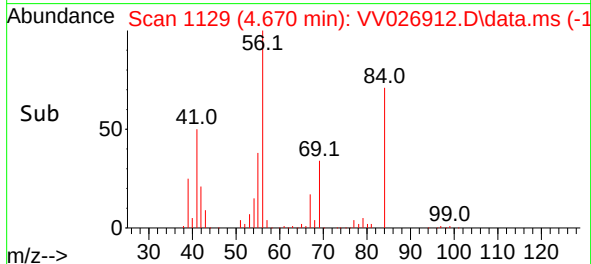
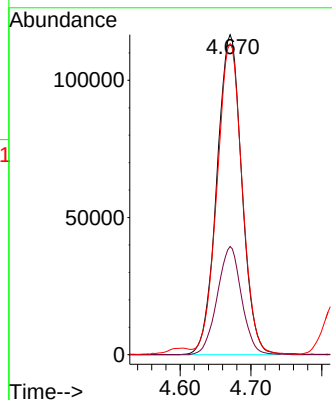
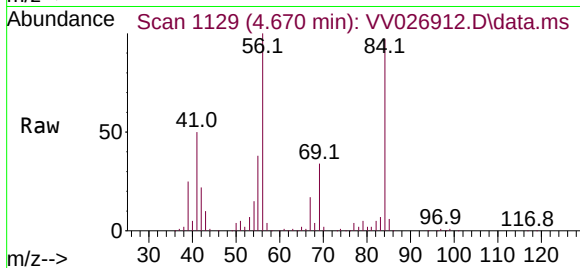
Tgt Ion: 56 Resp: 285850

Ion Ratio Lower Upper

56 100

69 32.8 25.7 38.5

84 97.8 77.0 115.6



#30

1,1,1-Trichloroethane

Concen: 48.819 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

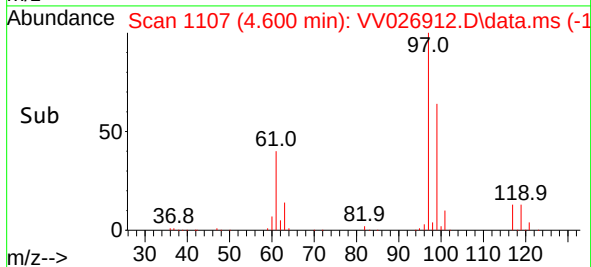
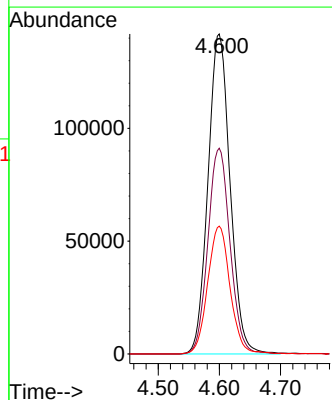
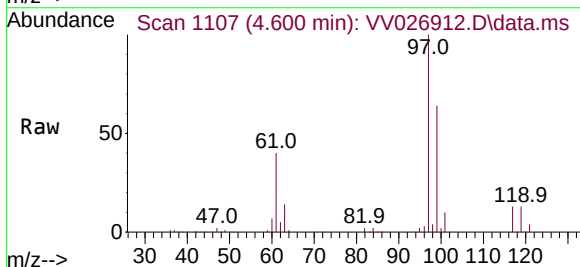
Tgt Ion: 97 Resp: 356045

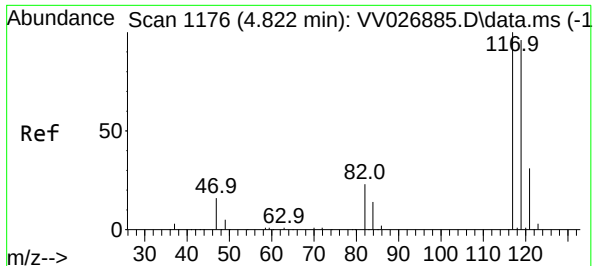
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

61 40.5 33.1 49.7

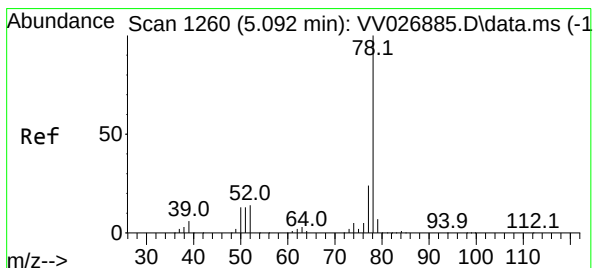
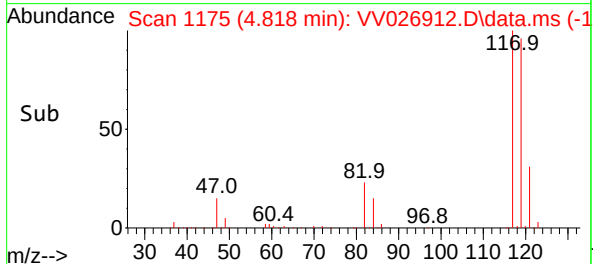
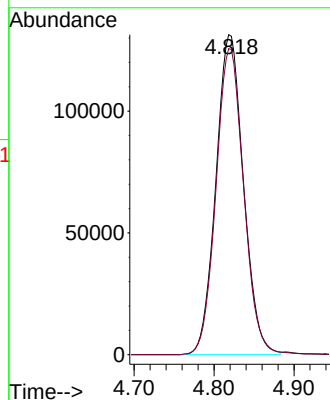
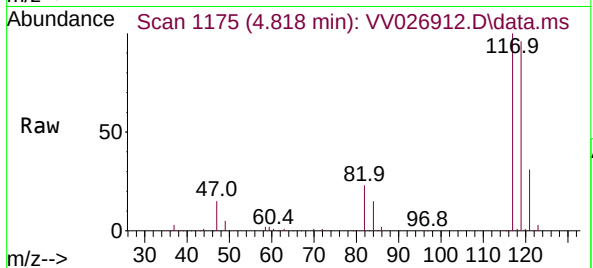




#31  
Carbon tetrachloride  
Concen: 49.222 ug/L  
RT: 4.818 min Scan# 1175  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

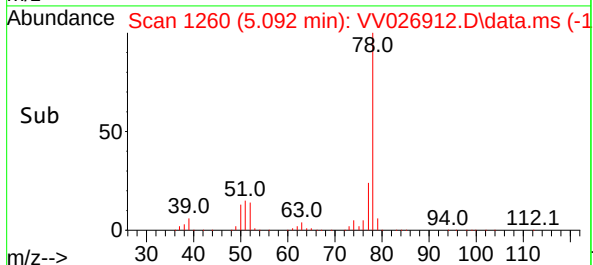
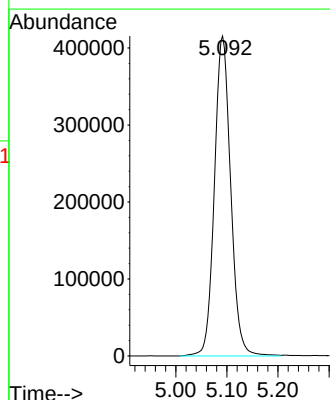
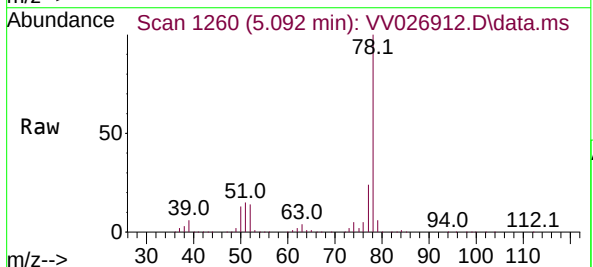
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

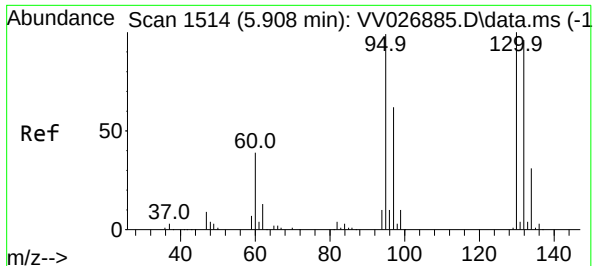
Tgt Ion:117 Resp: 314317  
Ion Ratio Lower Upper  
117 100  
119 96.1 77.3 115.9



#33  
Benzene  
Concen: 51.745 ug/L  
RT: 5.092 min Scan# 1260  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 78 Resp: 918572





#34

Trichloroethene

Concen: 46.987 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

Tgt Ion: 95 Resp: 214345

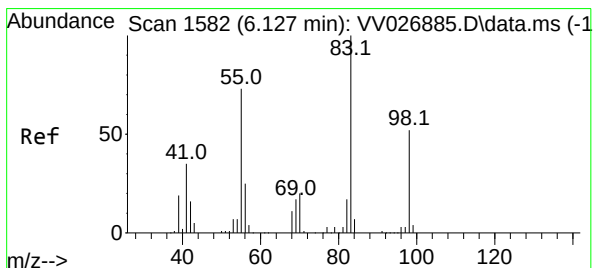
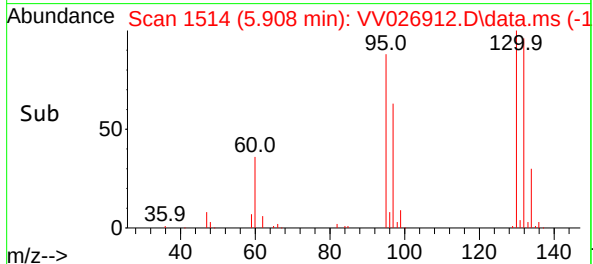
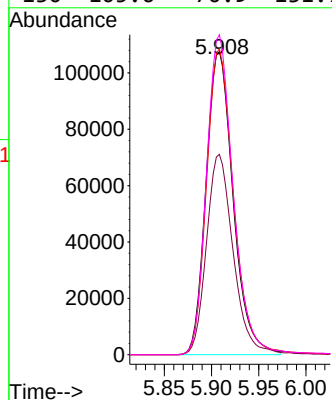
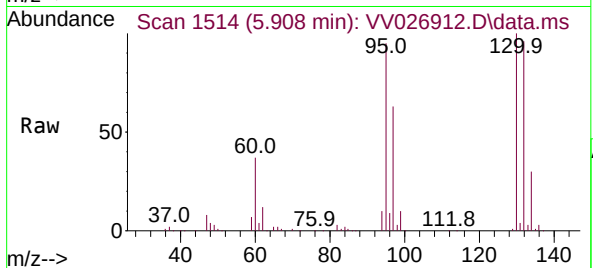
Ion Ratio Lower Upper

95 100

97 66.1 45.9 85.3

132 101.0 68.1 126.5

130 105.6 70.9 131.7



#35

Methylcyclohexane

Concen: 48.801 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

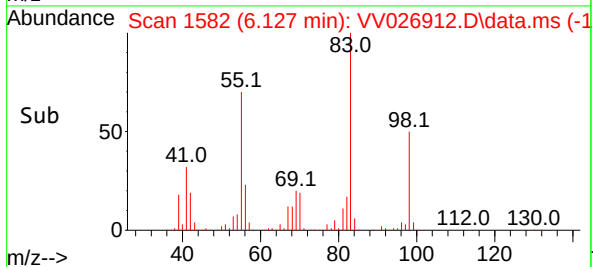
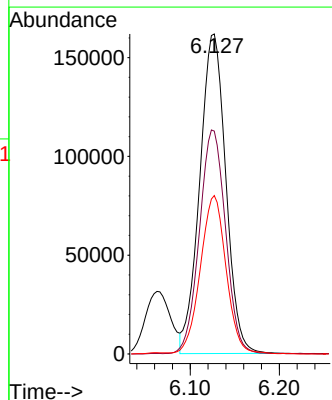
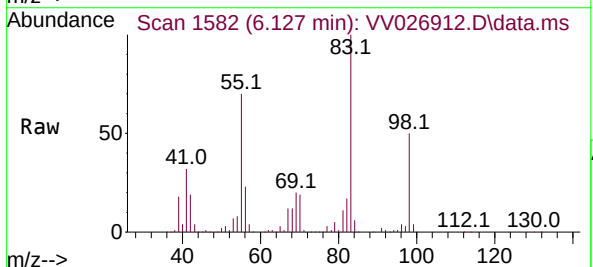
Tgt Ion: 83 Resp: 329619

Ion Ratio Lower Upper

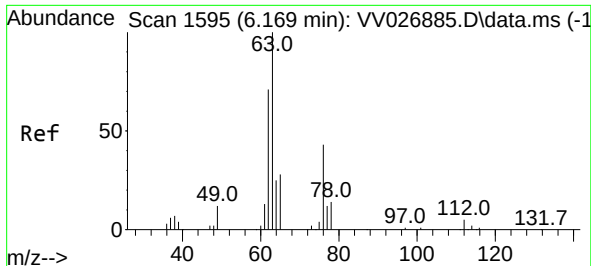
83 100

55 70.4 57.4 86.2

98 48.9 39.4 59.0







#37

1,2-Dichloropropane

Concen: 51.164 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

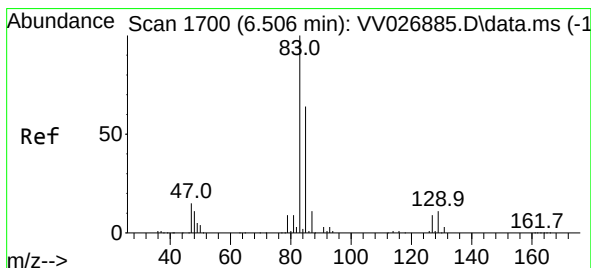
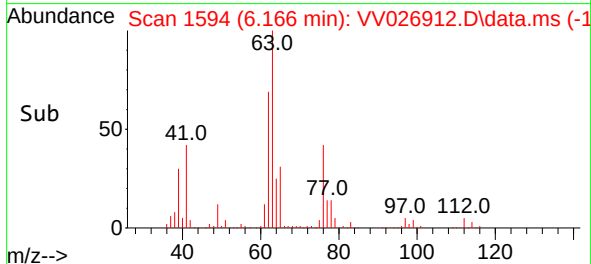
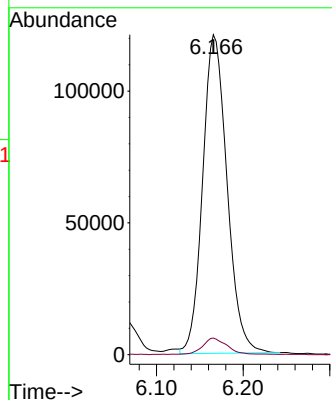
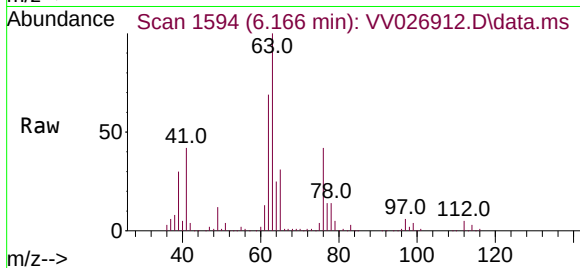
VSTD050306

Tgt Ion: 63 Resp: 236391

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#38

Bromodichloromethane

Concen: 48.439 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

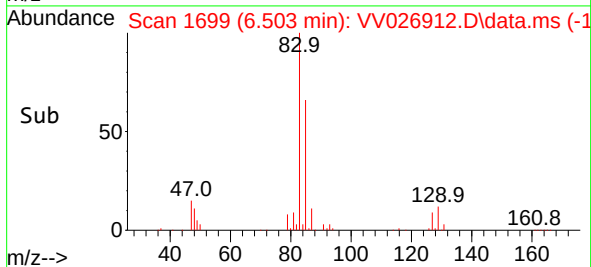
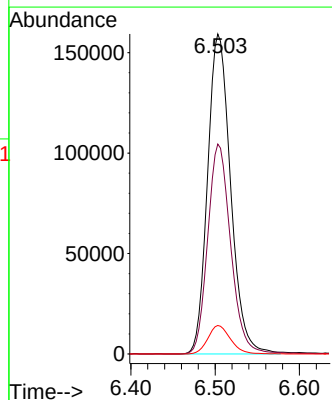
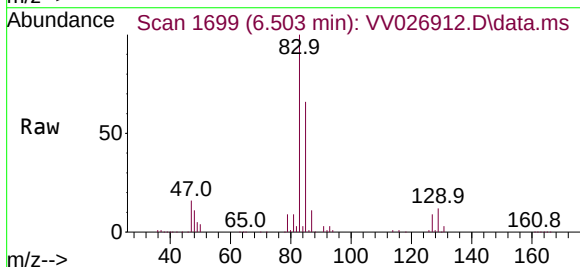
Tgt Ion: 83 Resp: 303345

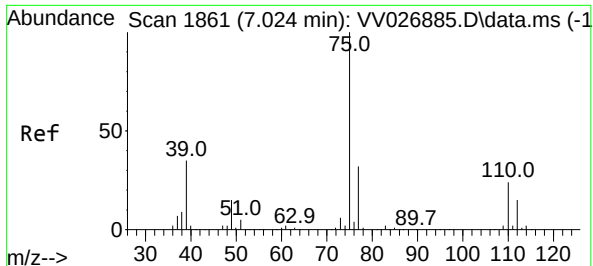
Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9

127 8.9 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 42.043 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

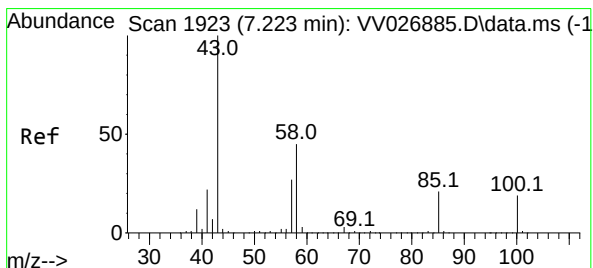
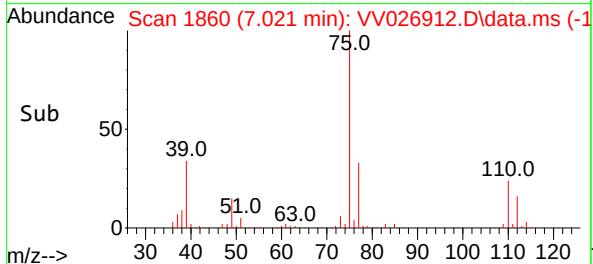
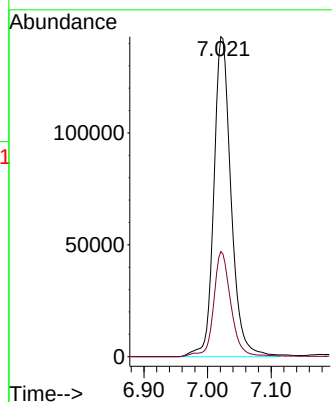
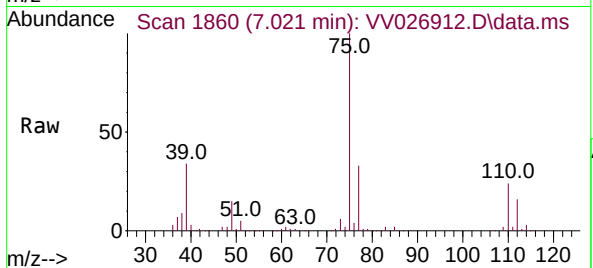
VSTD050306

Tgt Ion: 75 Resp: 269590

Ion Ratio Lower Upper

75 100

77 32.9 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 100.950 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

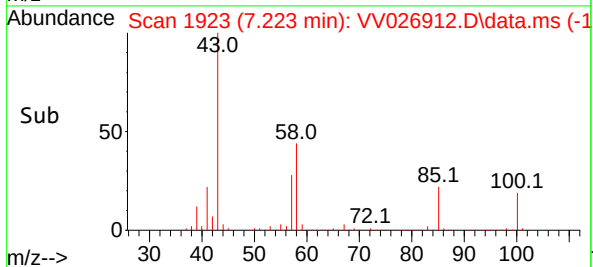
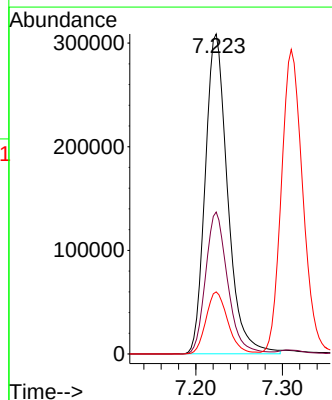
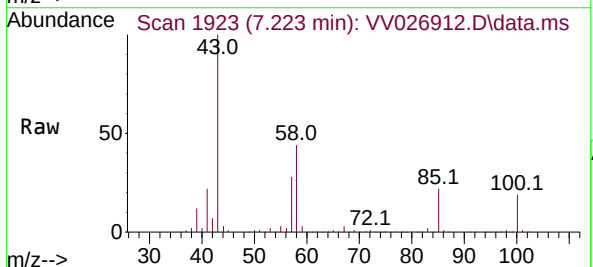
Tgt Ion: 43 Resp: 555057

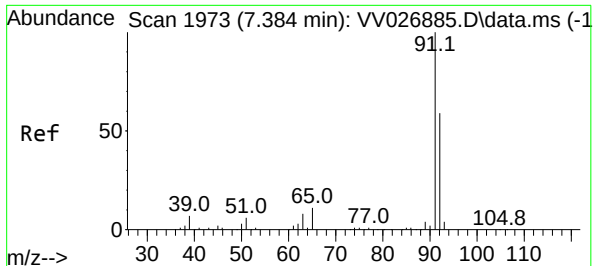
Ion Ratio Lower Upper

43 100

58 43.8 35.0 52.6

100 19.0 15.4 23.0

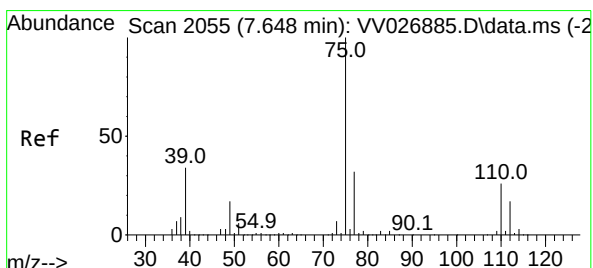
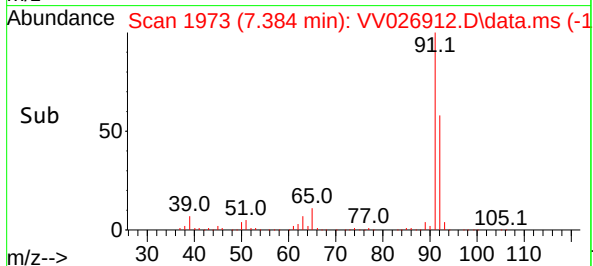
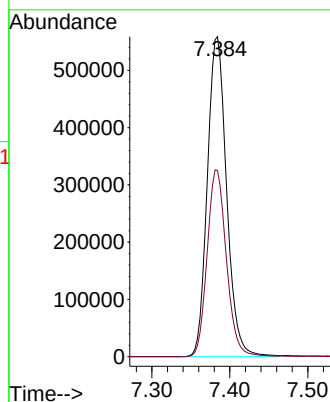
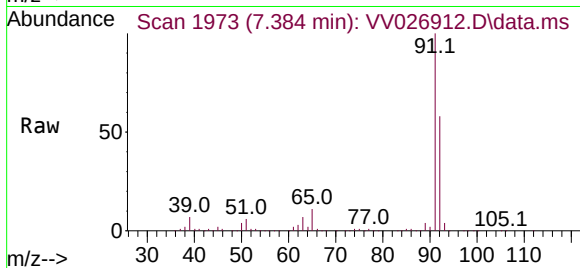




#42  
Toluene  
Concen: 53.025 ug/L  
RT: 7.384 min Scan# 1973  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

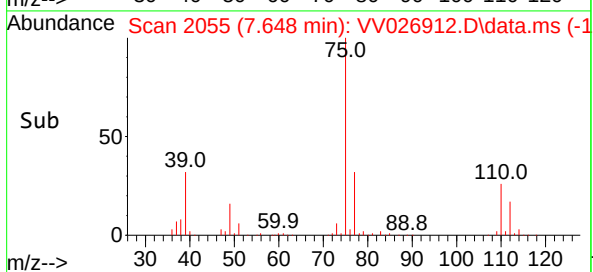
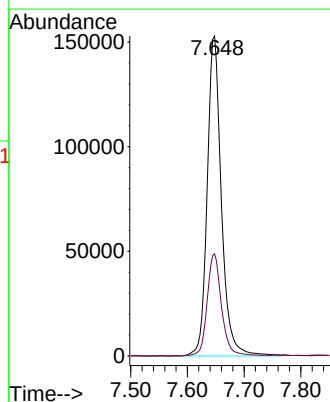
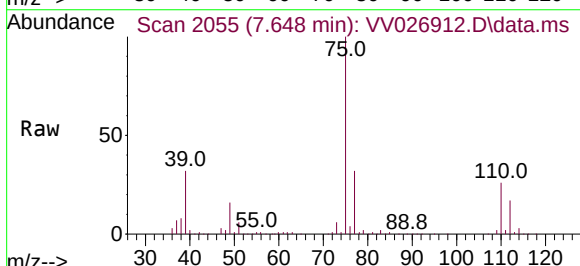
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

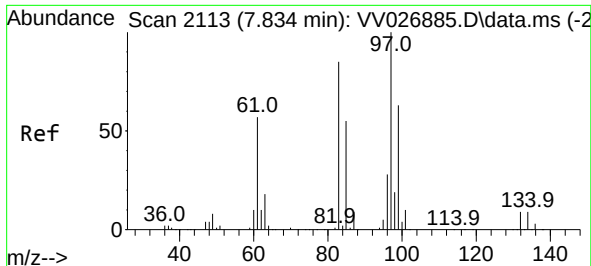
Tgt Ion: 91 Resp: 960798  
Ion Ratio Lower Upper  
91 100  
92 58.3 40.5 75.1



#44  
trans-1,3-Dichloropropene  
Concen: 42.090 ug/L  
RT: 7.648 min Scan# 2055  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 75 Resp: 266153  
Ion Ratio Lower Upper  
75 100  
77 31.9 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 49.691 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

Tgt Ion: 97 Resp: 244495

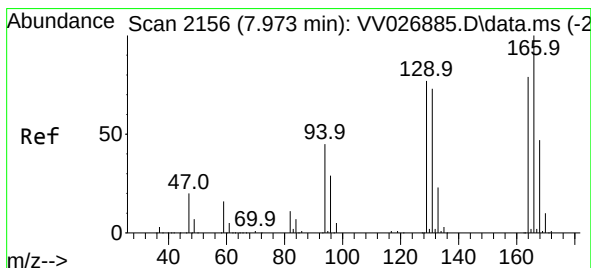
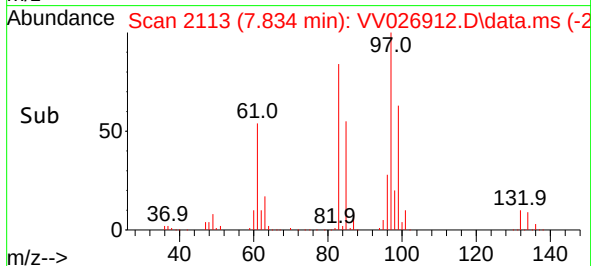
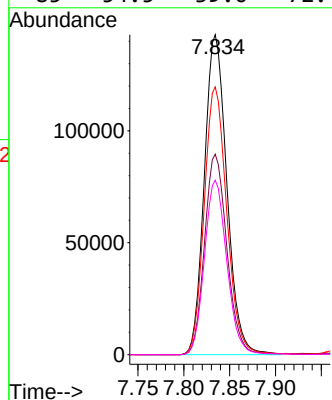
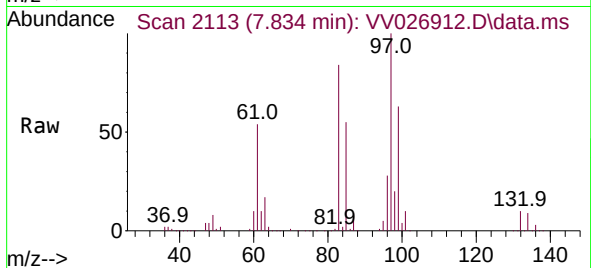
Ion Ratio Lower Upper

97 100

99 62.7 44.0 81.8

83 83.7 59.9 111.3

85 54.5 39.0 72.4



#46

Tetrachloroethene

Concen: 48.710 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Tgt Ion:164 Resp: 173333

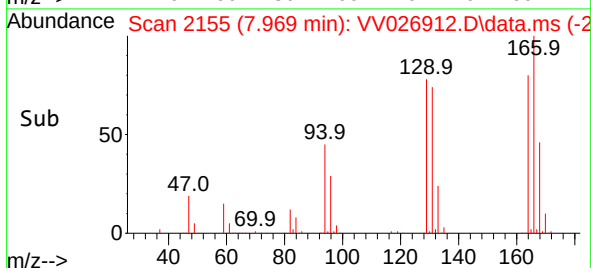
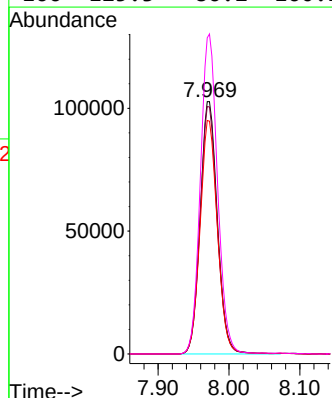
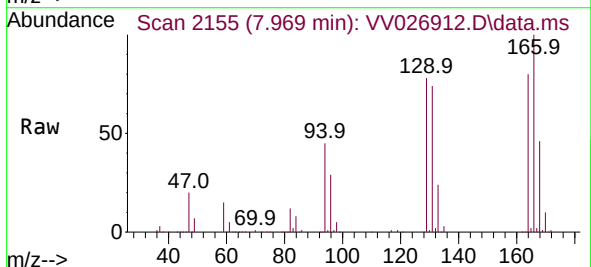
Ion Ratio Lower Upper

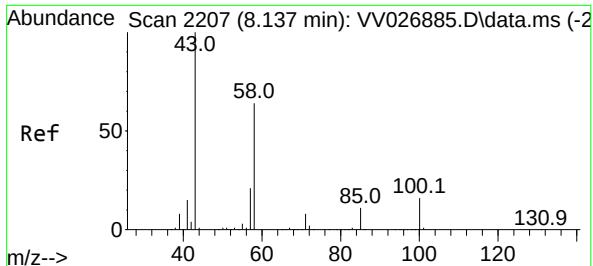
164 100

129 98.1 66.3 123.1

131 92.5 63.1 117.3

166 125.3 86.2 160.2



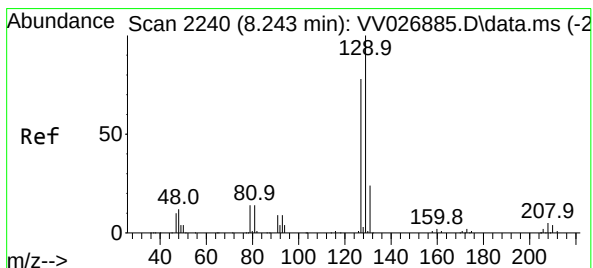
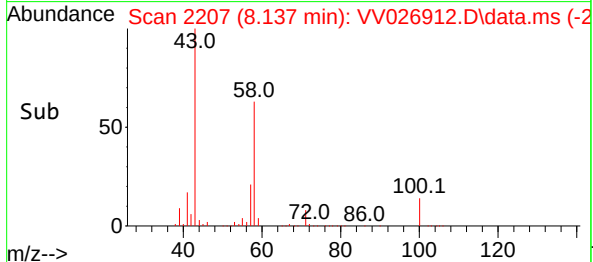
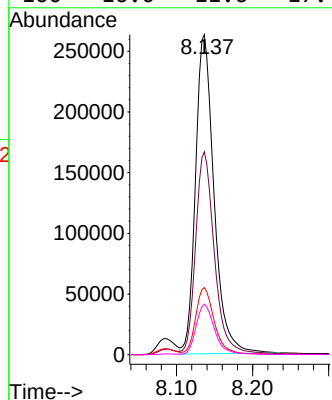
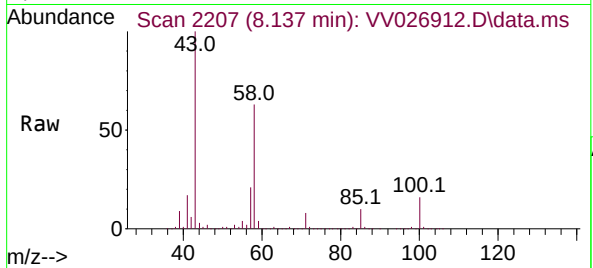


#48  
2-Hexanone  
Concen: 104.124 ug/L  
RT: 8.137 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

Tgt Ion: 43 Resp: 445583

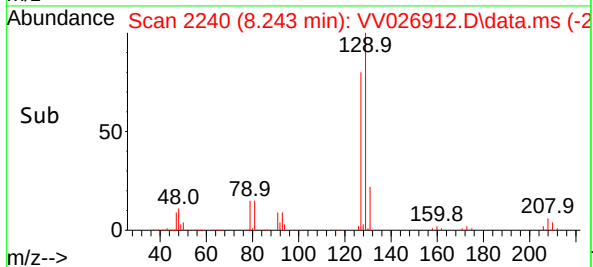
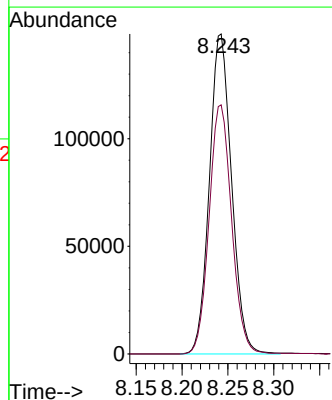
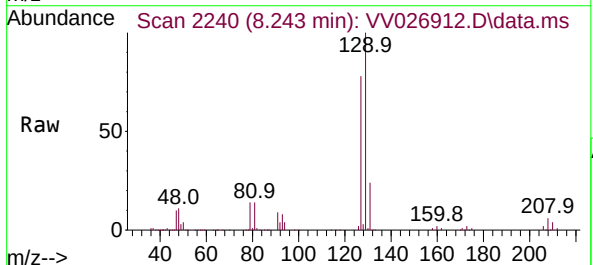
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 64.3  | 48.8  | 73.2  |
| 57  | 21.3  | 16.6  | 24.8  |
| 100 | 16.0  | 11.6  | 17.4  |

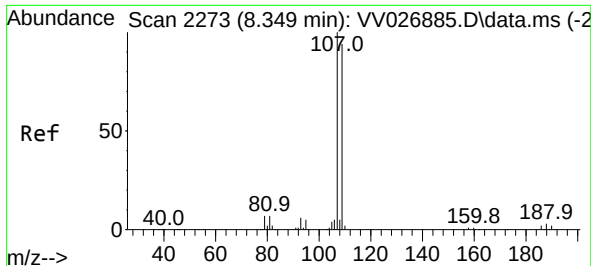


#49  
Dibromochloromethane  
Concen: 48.618 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 129 Resp: 250027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.9  | 53.7  | 99.7  |





#50

1,2-Dibromoethane

Concen: 49.452 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

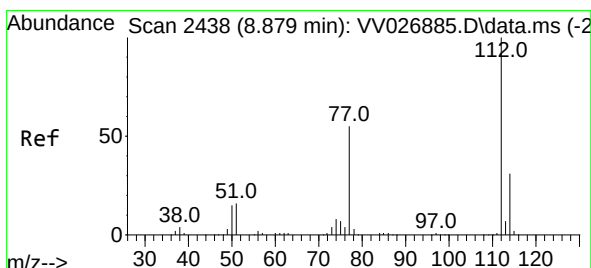
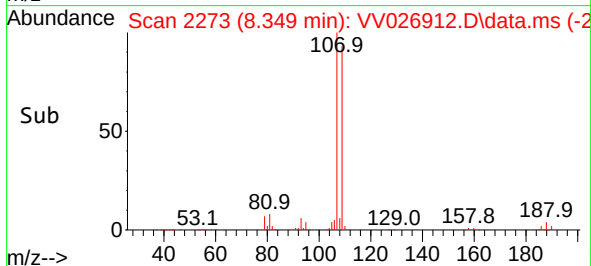
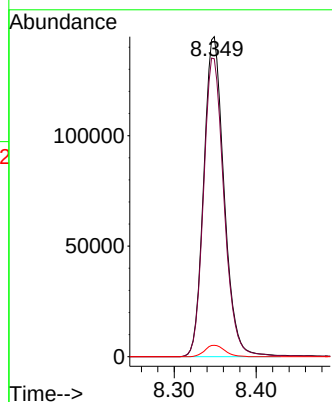
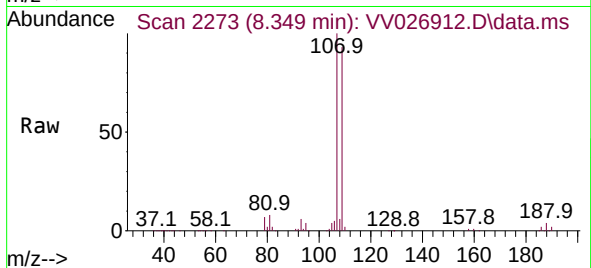
Tgt Ion:107 Resp: 248940

Ion Ratio Lower Upper

107 100

109 93.1 64.9 120.5

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 48.916 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

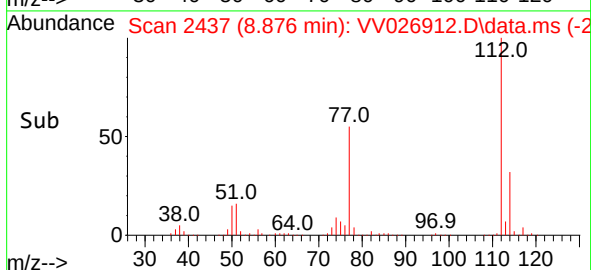
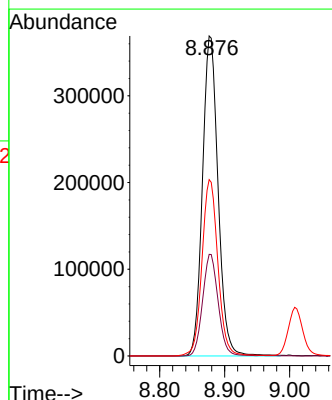
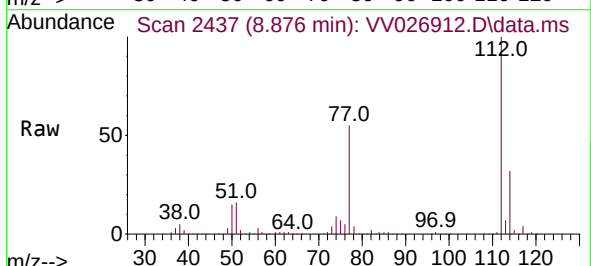
Tgt Ion:112 Resp: 617814

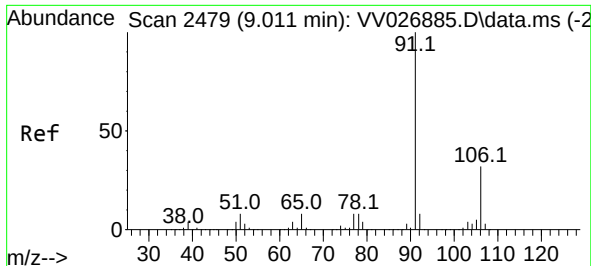
Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.1

77 55.1 44.4 66.6

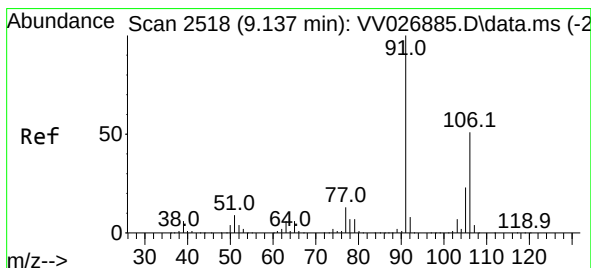
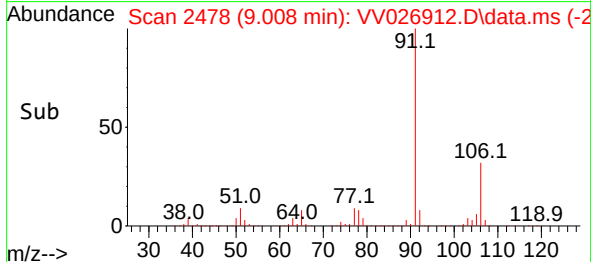
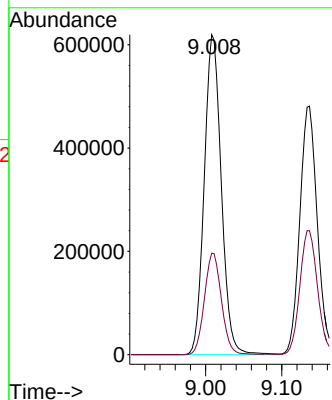
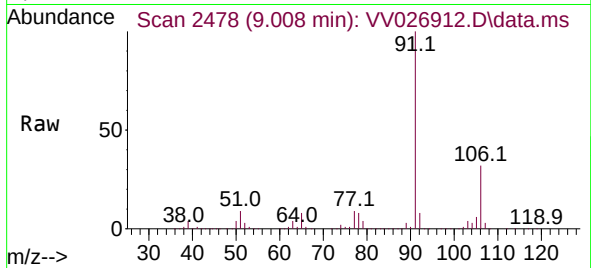




#52  
Ethylbenzene  
Concen: 51.288 ug/L  
RT: 9.008 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

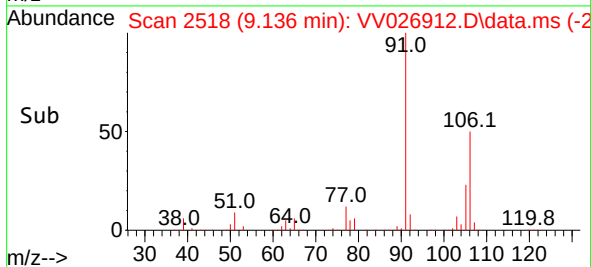
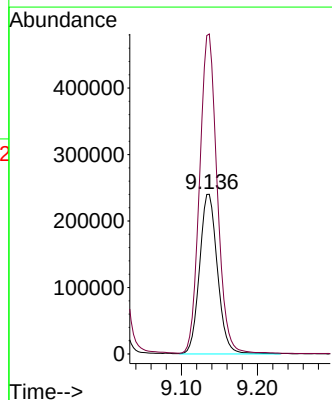
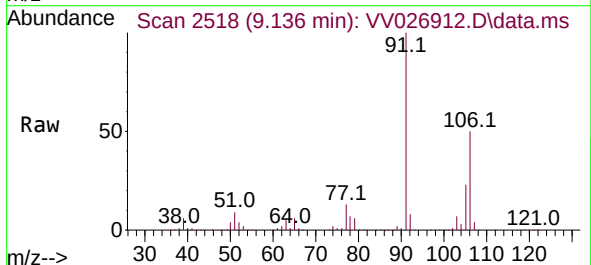
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

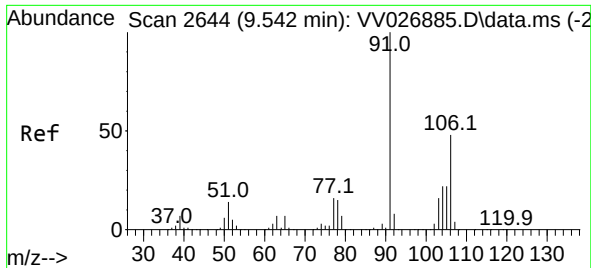
Tgt Ion: 91 Resp: 964635  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.0 40.8



#53  
m,p-Xylene  
Concen: 53.244 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 106 Resp: 392107  
Ion Ratio Lower Upper  
106 100  
91 200.5 140.0 260.0

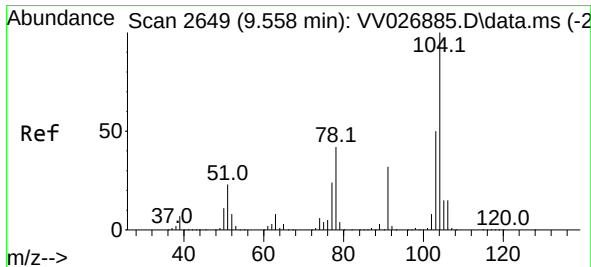
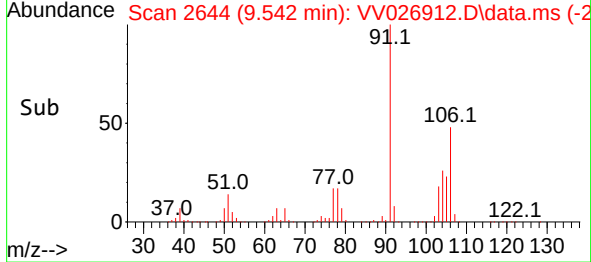
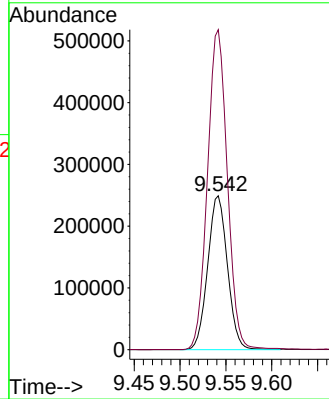
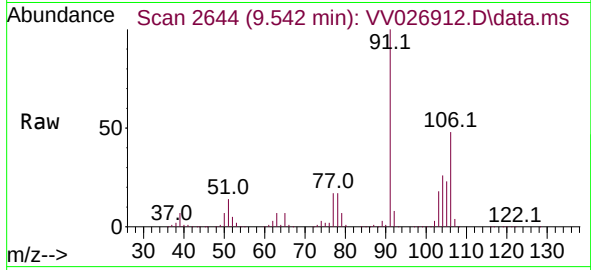




#54  
o-Xylene  
Concen: 52.583 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

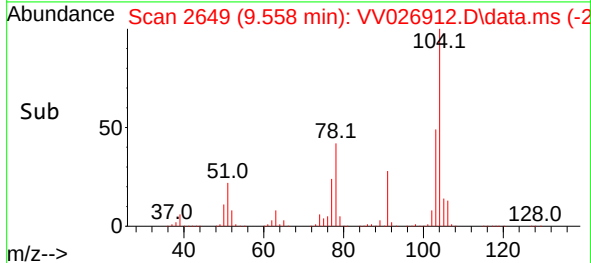
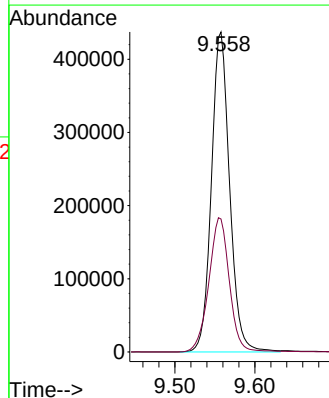
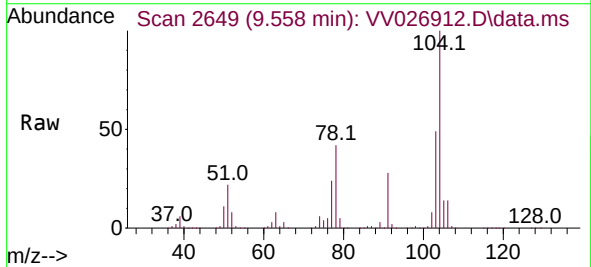
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

Tgt Ion:106 Resp: 372956  
Ion Ratio Lower Upper  
106 100  
91 207.8 146.1 271.3

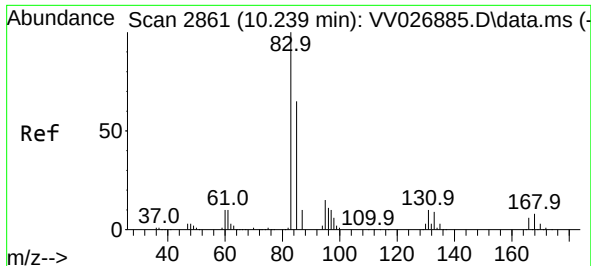


#55  
Styrene  
Concen: 55.294 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion:104 Resp: 692625  
Ion Ratio Lower Upper  
104 100  
78 41.6 29.6 55.0



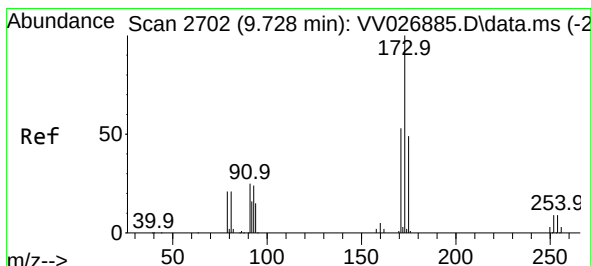
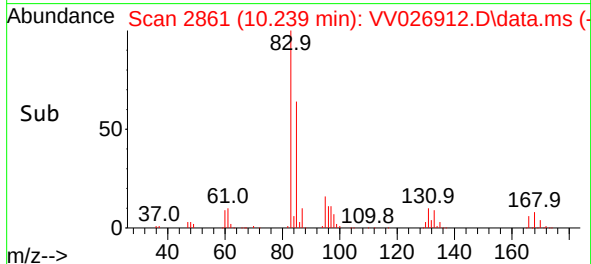
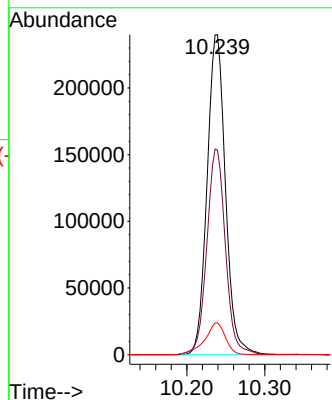
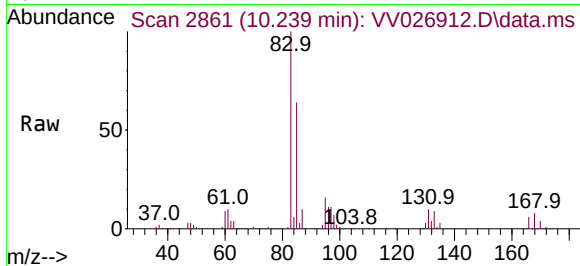




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.444 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

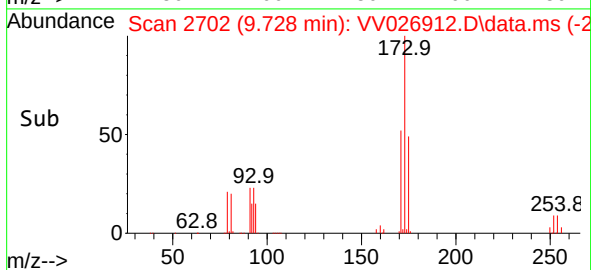
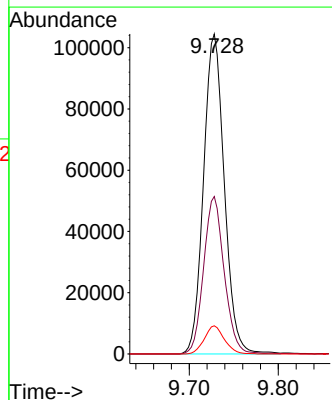
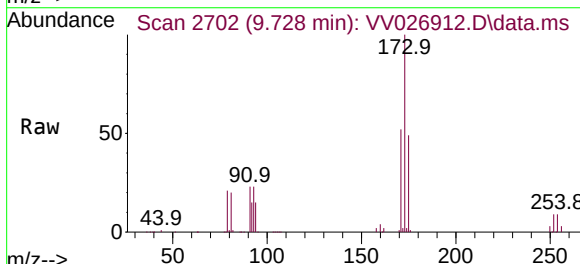
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

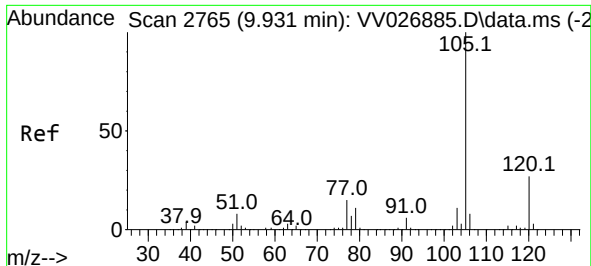
Tgt Ion: 83 Resp: 392705  
Ion Ratio Lower Upper  
83 100  
85 63.9 45.3 84.1  
131 9.9 7.8 11.6



#59  
Bromoform  
Concen: 47.927 ug/L  
RT: 9.728 min Scan# 2702  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 173 Resp: 169267  
Ion Ratio Lower Upper  
173 100  
175 48.6 38.6 57.8  
254 8.5 6.6 10.0

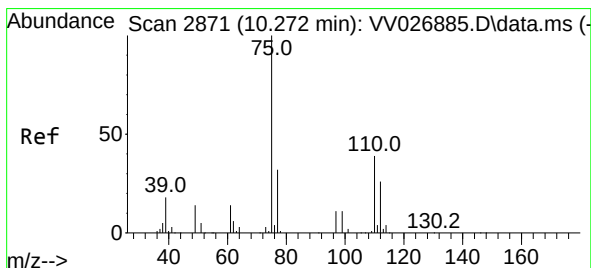
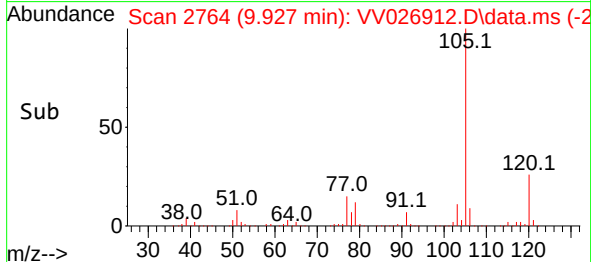
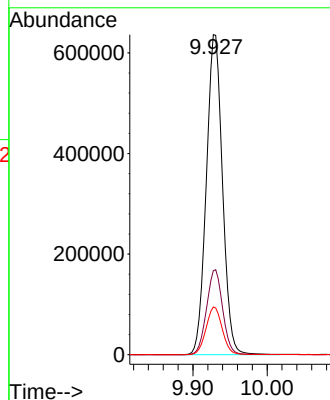
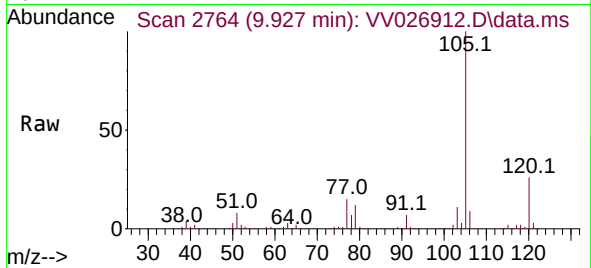




#60  
Isopropylbenzene  
Concen: 51.422 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

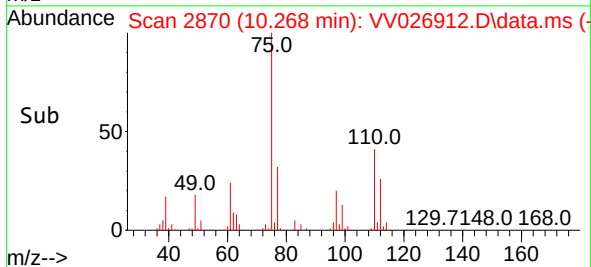
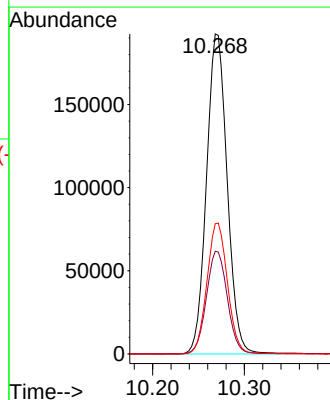
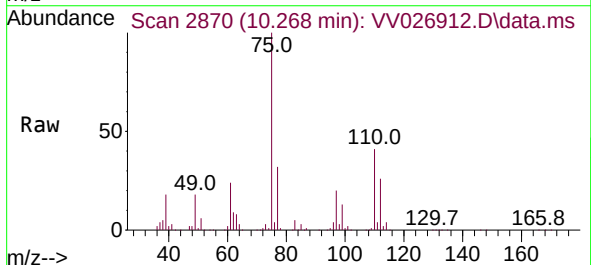
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

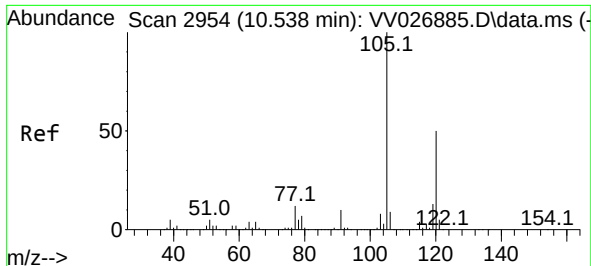
Tgt Ion:105 Resp: 960631  
Ion Ratio Lower Upper  
105 100  
120 26.5 21.1 31.7  
77 14.9 11.9 17.9



#61  
1,2,3-Trichloropropane  
Concen: 47.561 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 75 Resp: 301696  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.6 38.4  
110 40.7 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 51.151 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

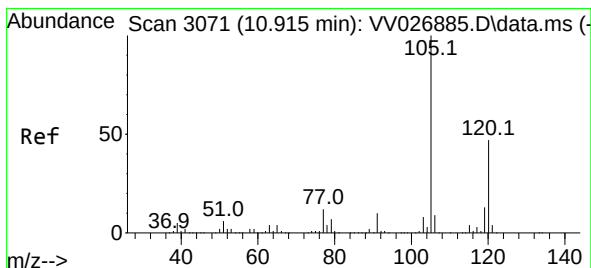
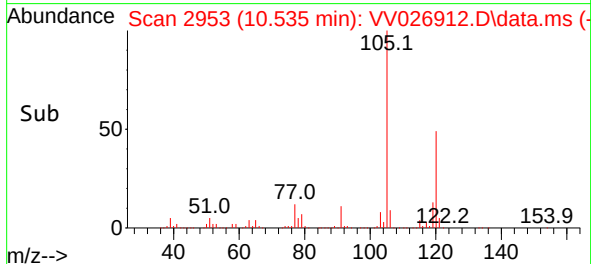
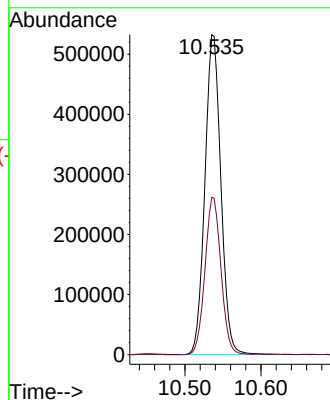
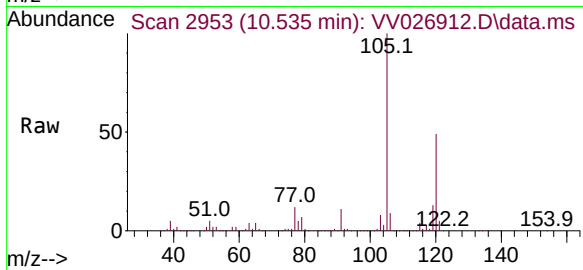
VSTD050306

Tgt Ion:105 Resp: 776631

Ion Ratio Lower Upper

105 100

120 49.4 39.8 59.6



#63

1,2,4-Trimethylbenzene

Concen: 52.424 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV026912.D

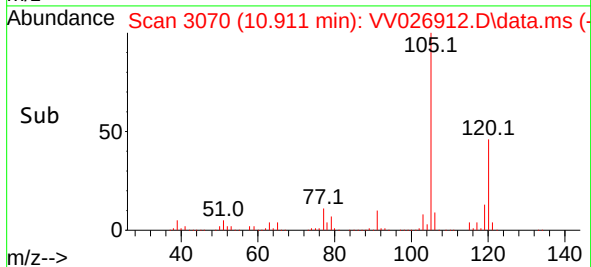
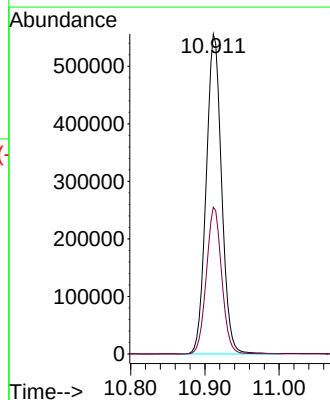
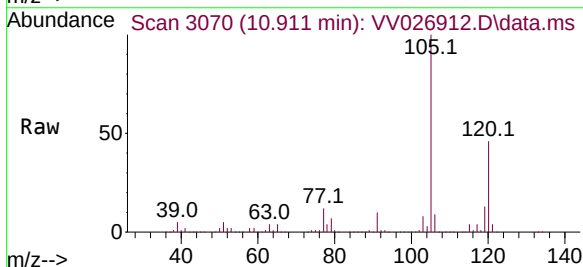
Acq: 23 Jul 2022 09:37

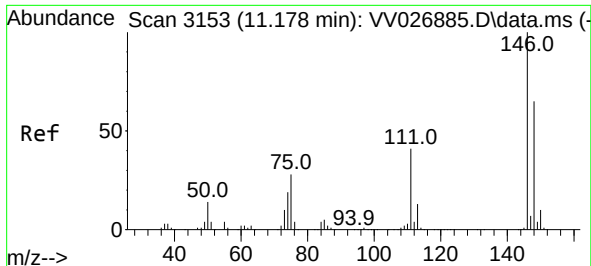
Tgt Ion:105 Resp: 798374

Ion Ratio Lower Upper

105 100

120 45.7 37.1 55.7

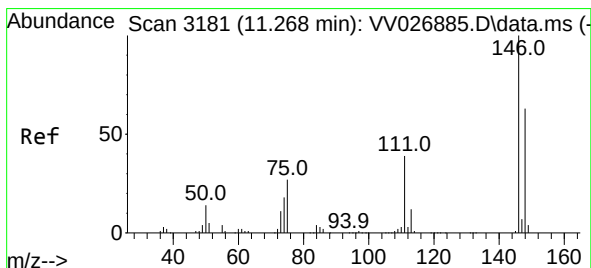
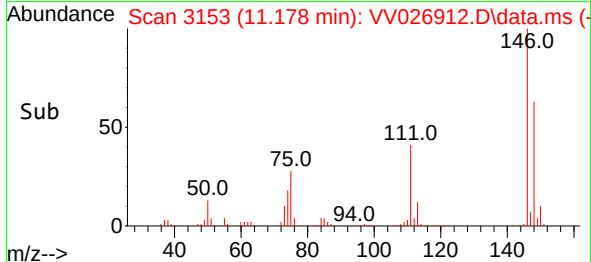
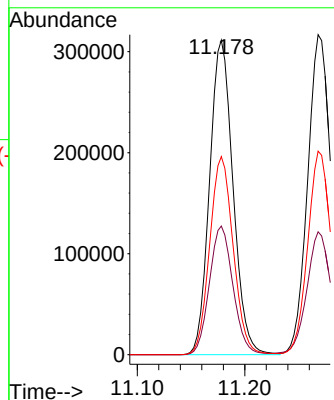
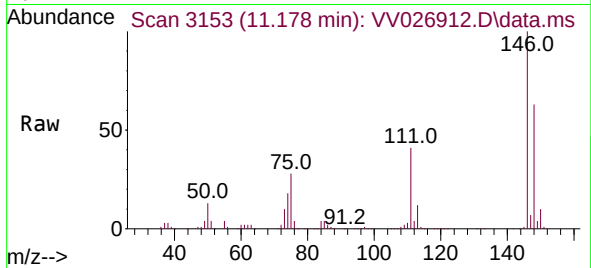




#64  
 1,3-Dichlorobenzene  
 Concen: 49.394 ug/L  
 RT: 11.178 min Scan# 3153  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

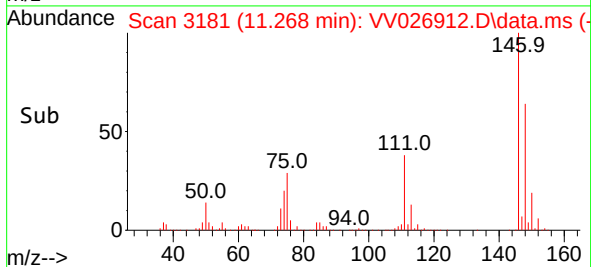
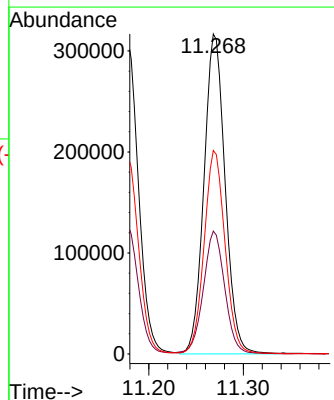
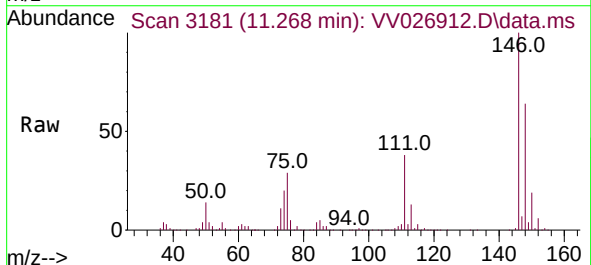
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

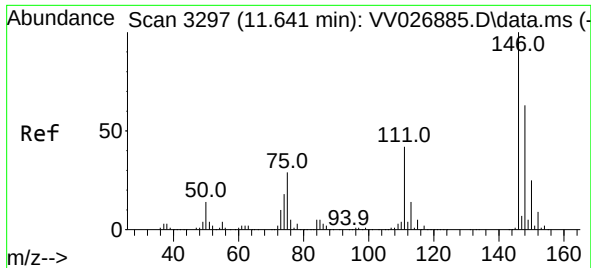
Tgt Ion:146 Resp: 471467  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 27.9 51.9  
 148 62.9 44.2 82.2



#65  
 1,4-Dichlorobenzene  
 Concen: 48.602 ug/L  
 RT: 11.268 min Scan# 3181  
 Delta R.T. -0.000 min  
 Lab File: VV026912.D  
 Acq: 23 Jul 2022 09:37

Tgt Ion:146 Resp: 491558  
 Ion Ratio Lower Upper  
 146 100  
 111 38.4 27.4 51.0  
 148 63.6 44.4 82.4

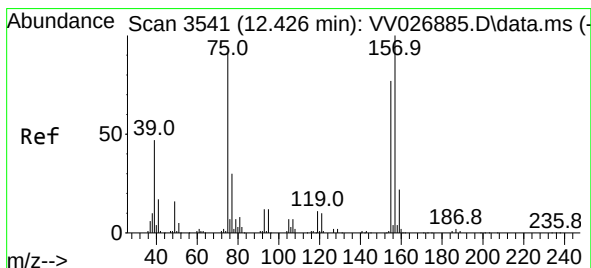
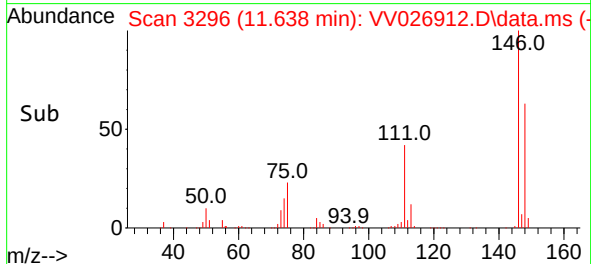
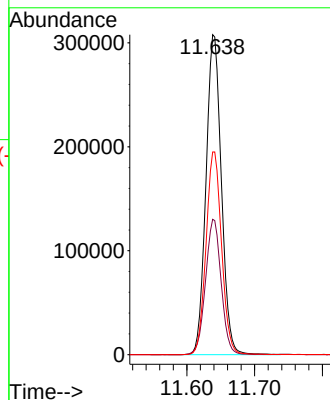
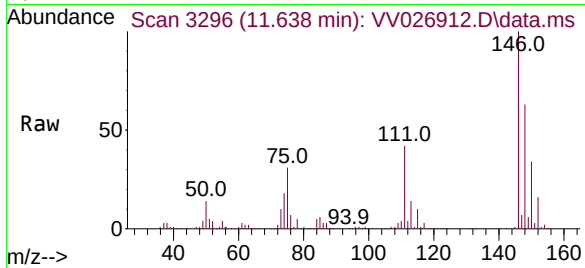




#67  
1,2-Dichlorobenzene  
Concen: 49.611 ug/L  
RT: 11.638 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

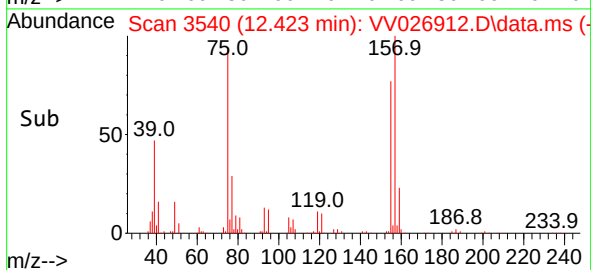
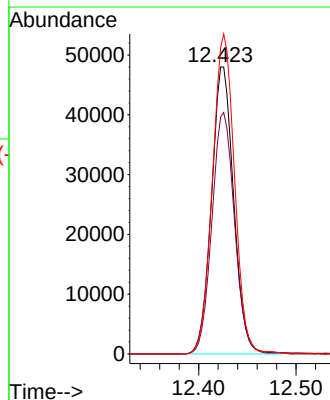
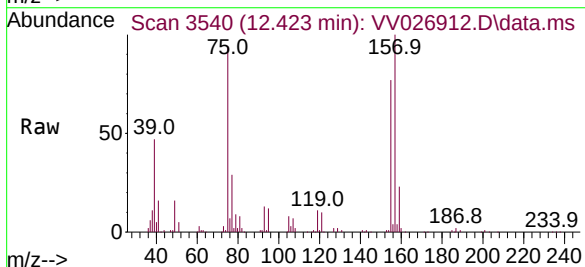
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

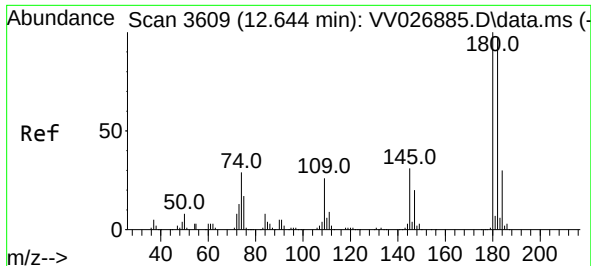
Tgt Ion:146 Resp: 485843  
Ion Ratio Lower Upper  
146 100  
111 42.3 33.2 49.8  
148 63.4 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 44.700 ug/L  
RT: 12.423 min Scan# 3540  
Delta R.T. -0.003 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion: 75 Resp: 75754  
Ion Ratio Lower Upper  
75 100  
155 82.6 67.7 101.5  
157 106.8 87.1 130.7





#69

1,3,5-Trichlorobenzene

Concen: 44.822 ug/L

RT: 12.641 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050306

Tgt Ion:180 Resp: 302872

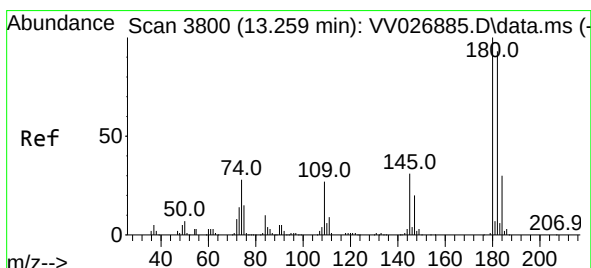
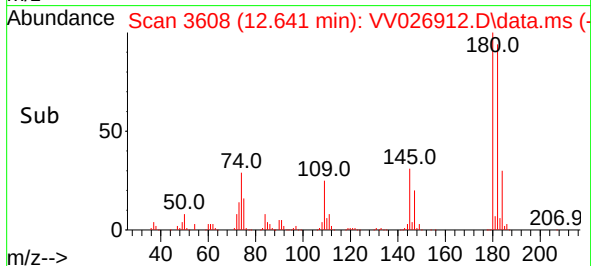
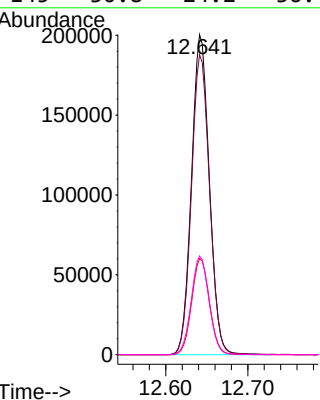
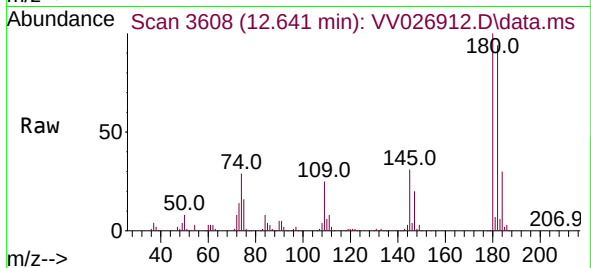
Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

184 29.9 23.8 35.8

145 30.8 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 43.947 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV026912.D

Acq: 23 Jul 2022 09:37

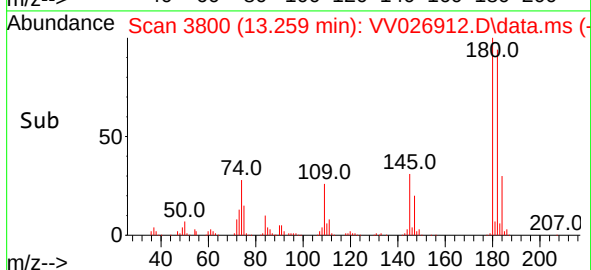
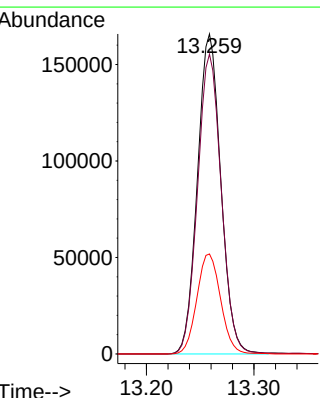
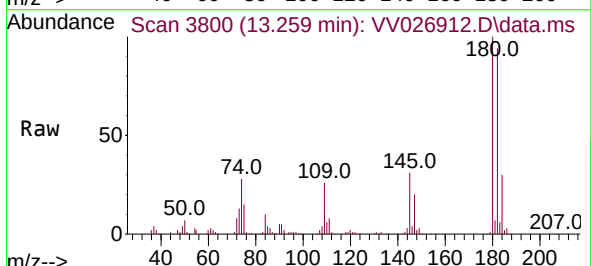
Tgt Ion:180 Resp: 250203

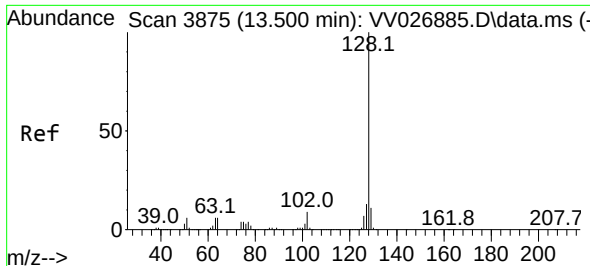
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 31.8 25.0 37.6

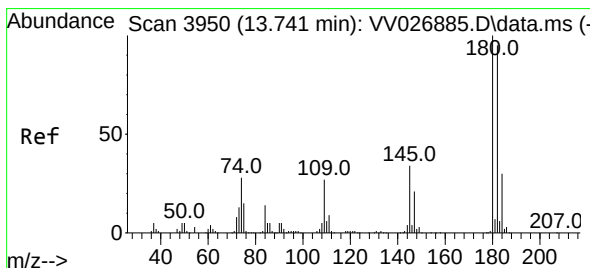
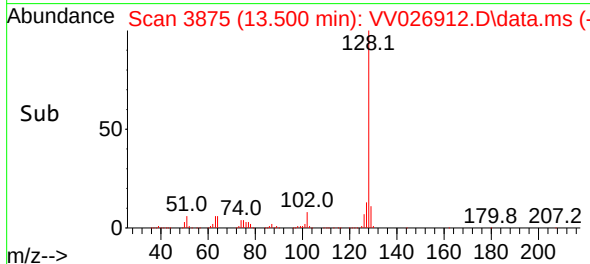
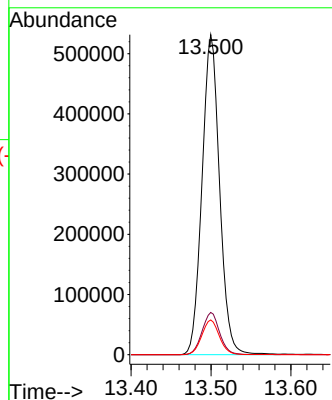
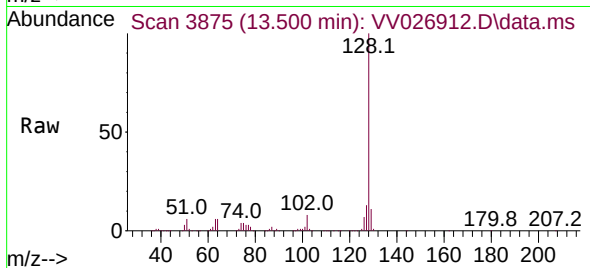




#71  
Naphthalene  
Concen: 45.403 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050306

Tgt Ion:128 Resp: 812884  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.4 15.6  
129 10.9 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 48.505 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. -0.000 min  
Lab File: VV026912.D  
Acq: 23 Jul 2022 09:37

Tgt Ion:180 Resp: 288064  
Ion Ratio Lower Upper  
180 100  
182 94.9 75.4 113.2  
145 33.5 26.6 40.0

