

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062123\  
 Data File : VW031600.D  
 Acq On : 21 Jun 2023 11:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050378

Quant Time: Jun 22 02:12:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 17 02:08:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.539     | 114   | 245747   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.789     | 117   | 241419   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191    | 152   | 152363   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.282     | 65    | 86877    | 53.119   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 106.240% |          |
| 7) Chloroethane-d5            | 1.536     | 69    | 71514    | 50.113   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 100.220% |          |
| 11) 1,1-Dichloroethene-d2     | 2.063     | 65    | 41929    | 49.742   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 99.480%  |          |
| 21) 2-Butanone-d5             | 3.796     | 46    | 107595   | 81.245   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 81.240%  |          |
| 24) Chloroform-d              | 4.256     | 84    | 185245   | 45.225   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 90.460%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.947     | 65    | 115879   | 45.217   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 90.440%  |          |
| 32) Benzene-d6                | 4.966     | 84    | 346168   | 50.941   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 101.880% |          |
| 36) 1,2-Dichloropropane-d6    | 5.992     | 67    | 112088   | 46.538   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 93.080%  |          |
| 41) Toluene-d8                | 7.249     | 98    | 328423   | 52.667   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 105.340% |          |
| 43) trans-1,3-Dichloroprop... | 7.555     | 79    | 55459    | 47.234   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 94.460%  |          |
| 47) 2-Hexanone-d5             | 8.031     | 63    | 84286    | 88.633   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 88.630%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156    | 84    | 160964   | 44.277   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 88.560%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564    | 152   | 130732   | 45.013   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 90.020%  |          |
| Target Compounds              |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.108     | 85    | 113302   | 43.467   | ug/L       | 97       |
| 3) Chloromethane              | 1.217     | 50    | 97721    | 39.729   | ug/L       | 100      |
| 5) Vinyl chloride             | 1.288     | 62    | 103655   | 42.512   | ug/L       | 99       |
| 6) Bromomethane               | 1.494     | 94    | 70478    | 44.349   | ug/L       | 97       |
| 8) Chloroethane               | 1.555     | 64    | 65669    | 41.699   | ug/L       | 96       |
| 9) Trichlorofluoromethane     | 1.719     | 101   | 185292   | 45.678   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076     | 101   | 103340   | 47.538   | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 2.076     | 96    | 86138    | 47.372   | ug/L       | 91       |
| 13) Acetone                   | 2.124     | 43    | 109799   | 84.022   | ug/L       | 99       |
| 14) Carbon disulfide          | 2.246     | 76    | 254336   | 46.240   | ug/L       | 99       |
| 15) Methyl Acetate            | 2.378     | 43    | 95328    | 43.327   | ug/L       | 97       |
| 16) Methylene chloride        | 2.455     | 84    | 103292   | 45.310   | ug/L       | 92       |
| 17) trans-1,2-Dichloroethene  | 2.700     | 96    | 89307    | 47.052   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 2.709     | 73    | 294045   | 46.429   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 3.118     | 63    | 188191   | 45.939   | ug/L       | 100      |
| 20) cis-1,2-Dichloroethene    | 3.822     | 96    | 97845    | 47.701   | ug/L       | 94       |
| 22) 2-Butanone                | 3.876     | 43    | 138102   | 84.595   | ug/L       | 100      |
| 23) Bromochloromethane        | 4.153     | 128   | 54008    | 48.710   | ug/L       | 95       |
| 25) Chloroform                | 4.285     | 83    | 207209   | 48.658   | ug/L       | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD050378

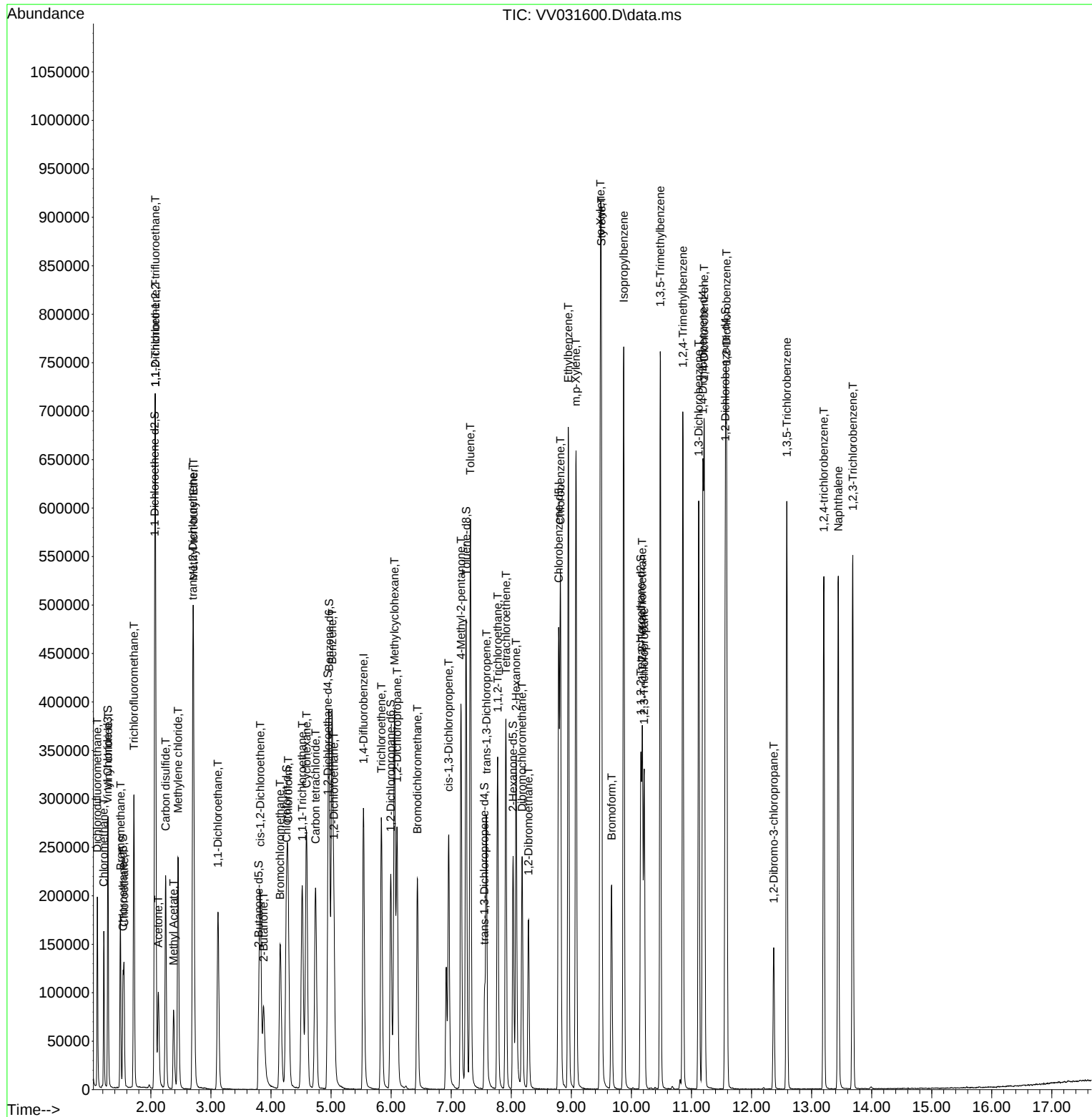
Quant Time: Jun 22 02:12:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 17 02:08:04 2023  
 Response via : Initial Calibration

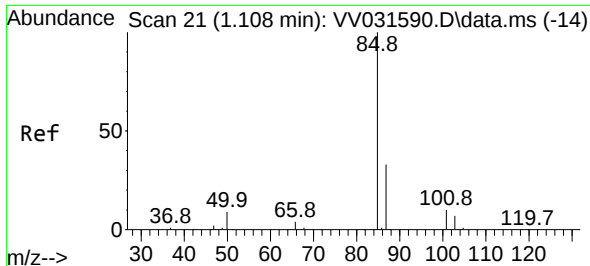
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 149278   | 45.419 | ug/L   | 98       |
| 29) Cyclohexane               | 4.593  | 56   | 145234   | 46.239 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.519  | 97   | 182338   | 47.108 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 168240   | 49.056 | ug/L   | 99       |
| 33) Benzene                   | 5.018  | 78   | 383344   | 47.693 | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 104809   | 48.798 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.056  | 83   | 159040   | 50.254 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 108561   | 45.996 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 153268   | 48.043 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 168691   | 48.148 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 259755   | 93.726 | ug/L   | 98       |
| 42) Toluene                   | 7.320  | 91   | 426553   | 51.184 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 168121   | 49.274 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 108935   | 48.858 | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.912  | 164  | 85341    | 50.626 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.082  | 43   | 208906   | 94.382 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.182  | 129  | 125722   | 50.735 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 114441   | 48.205 | ug/L   | 100      |
| 51) Chlorobenzene             | 8.818  | 112  | 272761   | 49.418 | ug/L   | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 462371   | 49.722 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 176343   | 51.783 | ug/L   | 99       |
| 54) o-Xylene                  | 9.484  | 106  | 164646   | 50.947 | ug/L   | 98       |
| 55) Styrene                   | 9.500  | 104  | 308496   | 53.451 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.182 | 83   | 172975   | 47.481 | ug/L   | 95       |
| 59) Bromoform                 | 9.670  | 173  | 95238    | 50.427 | ug/L # | 99       |
| 60) Isopropylbenzene          | 9.873  | 105  | 467988   | 48.179 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 133162   | 44.249 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.481 | 105  | 389043   | 48.460 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 365297   | 48.835 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 237128   | 48.693 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 249922   | 48.160 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 234730   | 47.756 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 38506    | 43.111 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.587 | 180  | 177654   | 47.876 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 156273   | 48.046 | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 388755   | 47.187 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 163396   | 48.342 | ug/L   | 98       |

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

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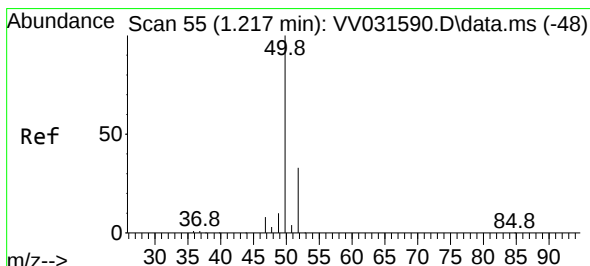
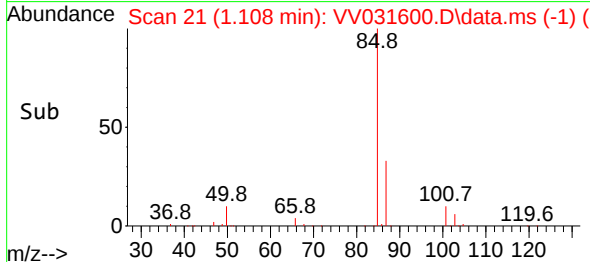
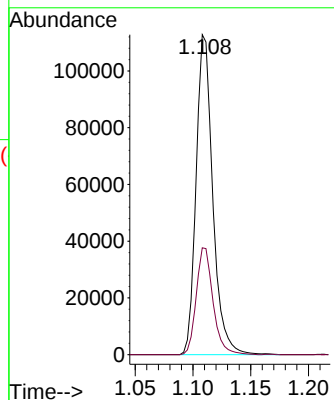
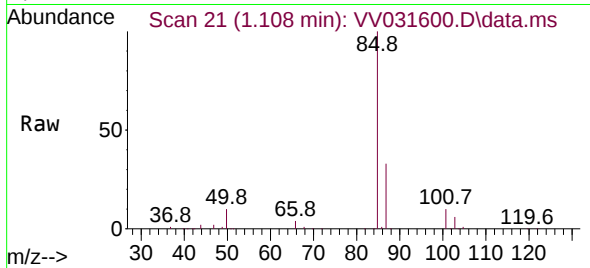




#2  
 Dichlorodifluoromethane  
 Concen: 43.467 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

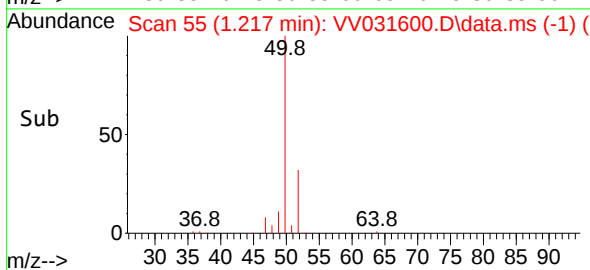
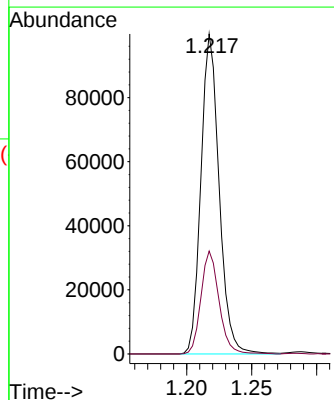
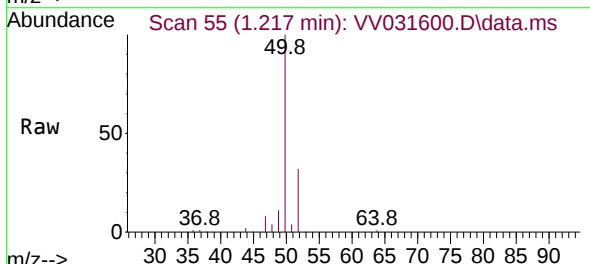
Instrument :  
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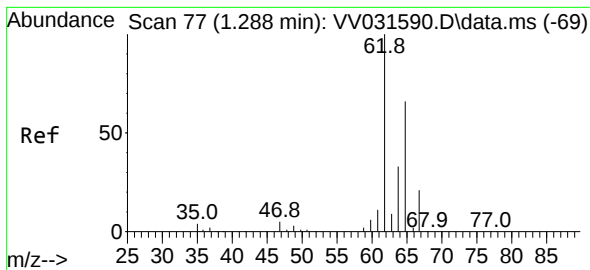
Tgt Ion: 85 Resp: 113302  
 Ion Ratio Lower Upper  
 85 100  
 87 33.7 25.5 38.3



#3  
 Chloromethane  
 Concen: 39.729 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

Tgt Ion: 50 Resp: 97721  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 22.3 41.5

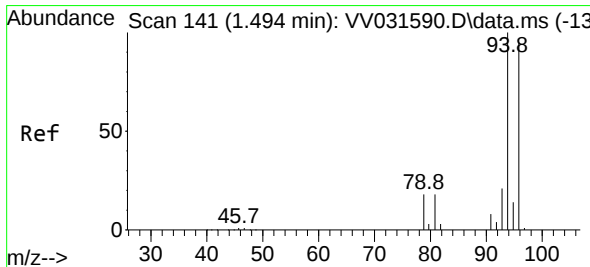
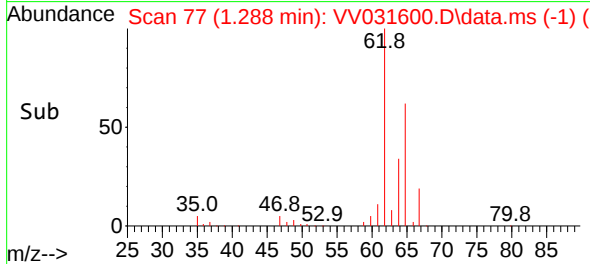
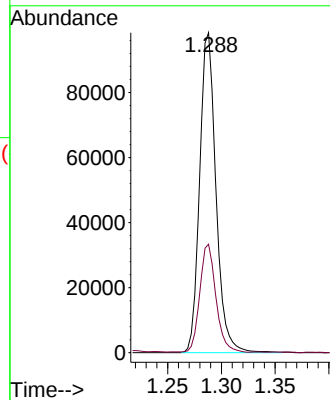
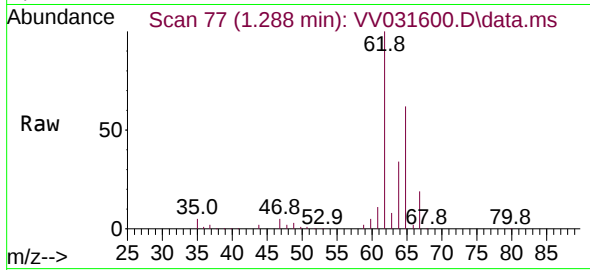




#5  
 Vinyl chloride  
 Concen: 42.512 ug/L  
 RT: 1.288 min Scan# 77  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

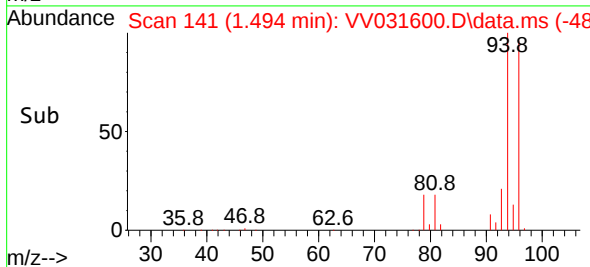
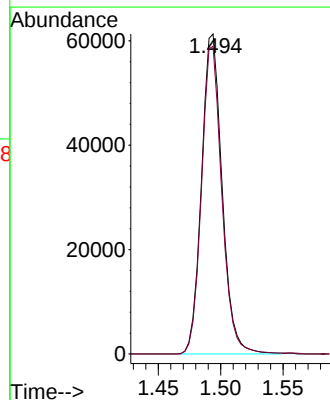
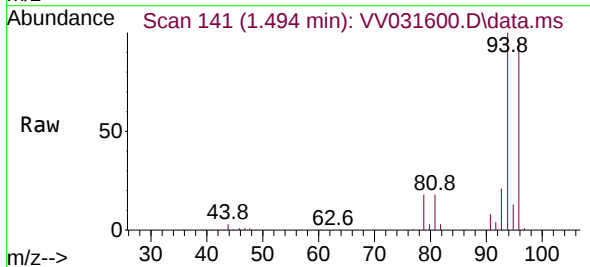
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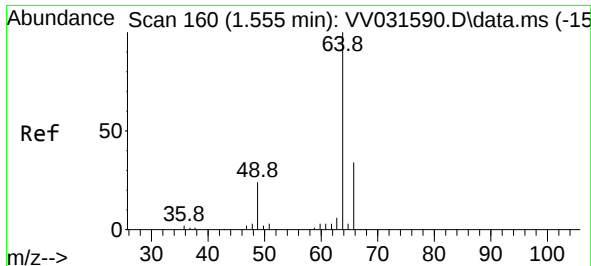
Tgt Ion: 62 Resp: 103655  
 Ion Ratio Lower Upper  
 62 100  
 64 33.9 23.4 43.4



#6  
 Bromomethane  
 Concen: 44.349 ug/L  
 RT: 1.494 min Scan# 141  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

Tgt Ion: 94 Resp: 70478  
 Ion Ratio Lower Upper  
 94 100  
 96 96.1 65.4 121.4

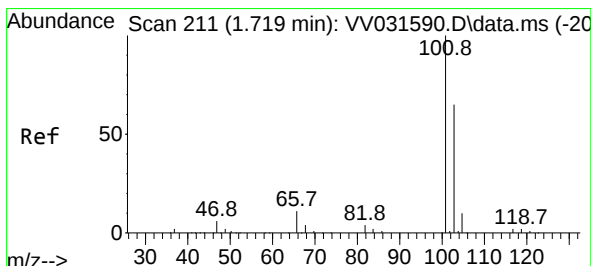
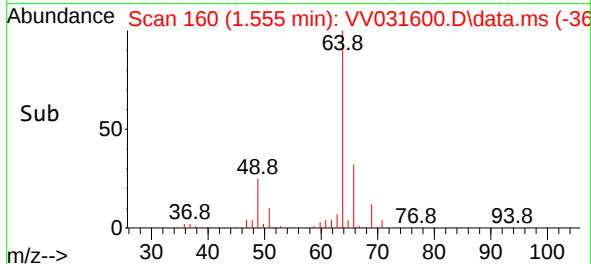
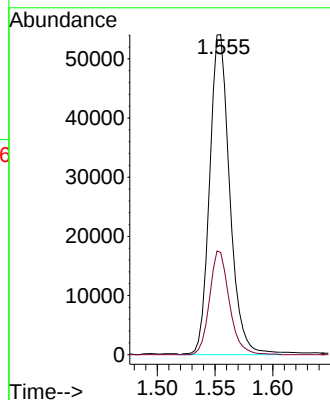
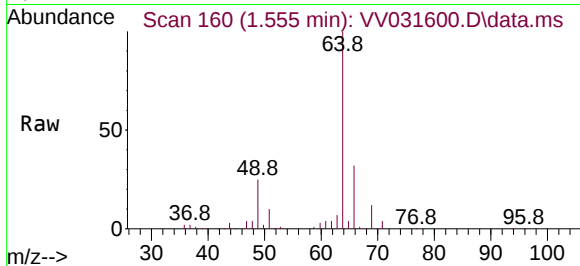




#8  
Chloroethane  
Concen: 41.699 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

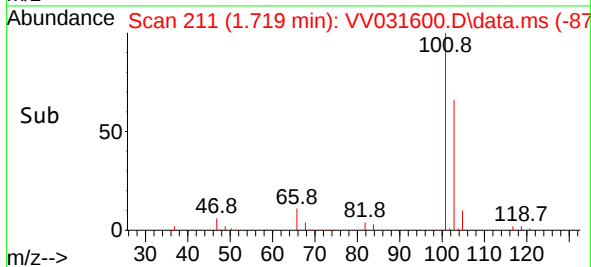
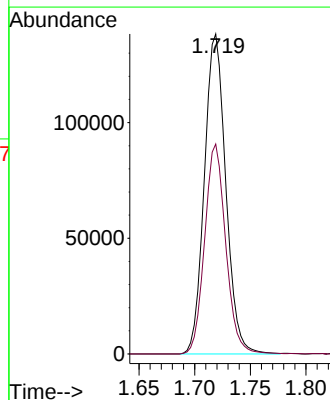
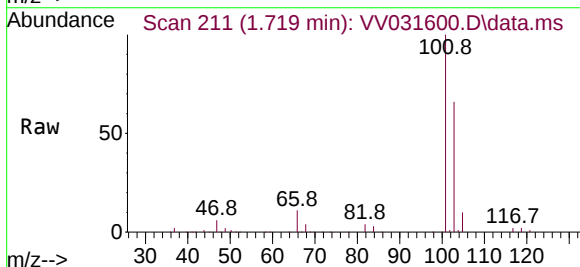
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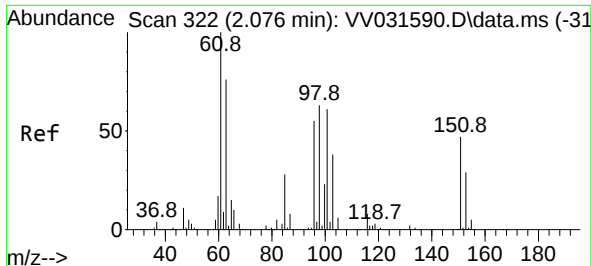
Tgt Ion: 64 Resp: 65669  
Ion Ratio Lower Upper  
64 100  
66 31.9 21.0 39.0



#9  
Trichlorofluoromethane  
Concen: 45.678 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion:101 Resp: 185292  
Ion Ratio Lower Upper  
101 100  
103 64.4 50.9 76.3

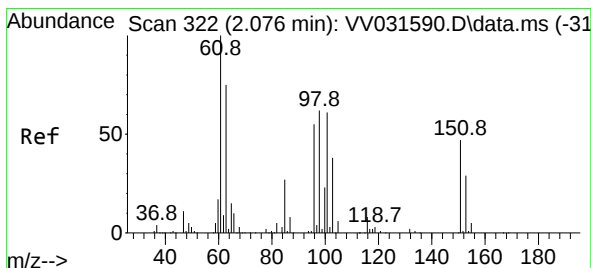
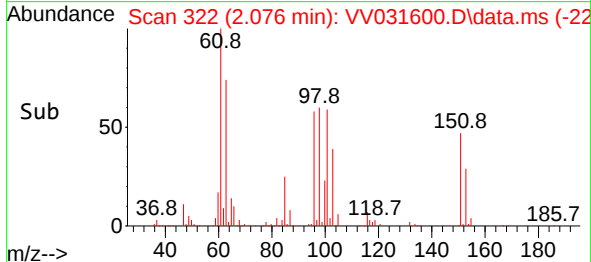
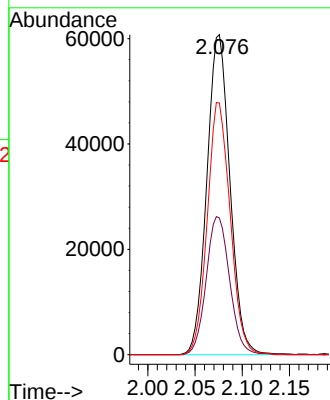
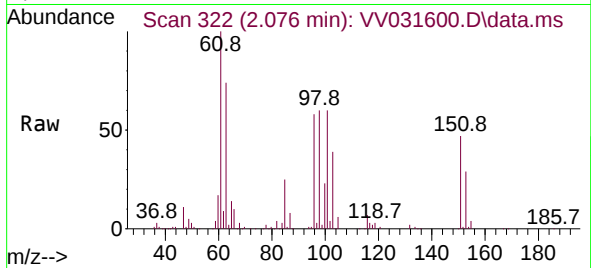




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 47.538 ug/L  
 RT: 2.076 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

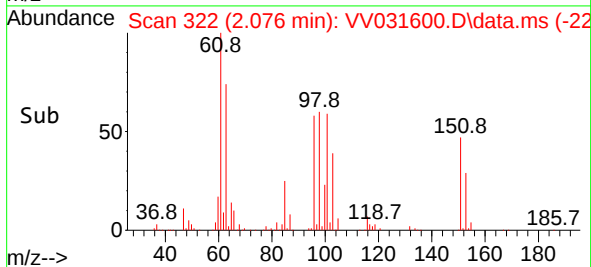
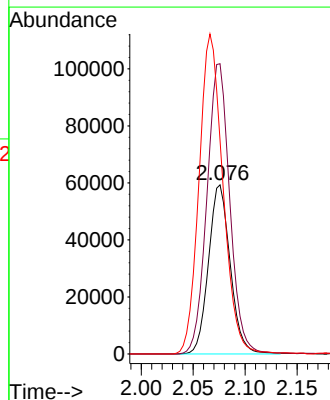
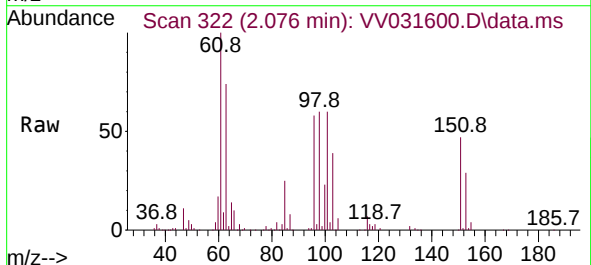
Instrument :  
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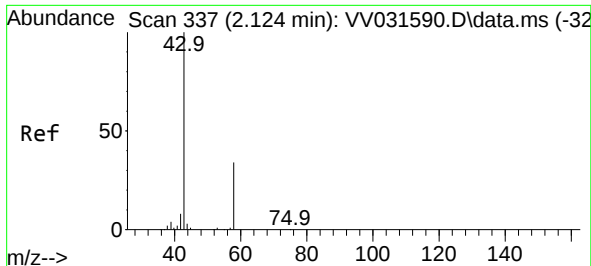
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 Ion Ratio Lower Upper  
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 151 78.2 62.3 93.5



#12  
 1,1-Dichloroethene  
 Concen: 47.372 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

Tgt Ion: 96 Resp: 86138  
 Ion Ratio Lower Upper  
 96 100  
 61 171.6 128.9 239.5  
 63 126.3 95.3 177.1





#13

Acetone

Concen: 84.022 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

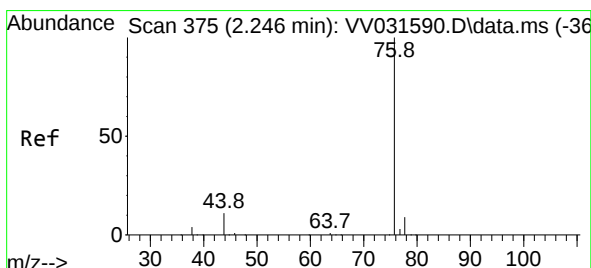
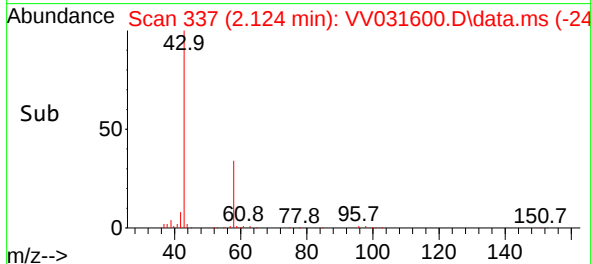
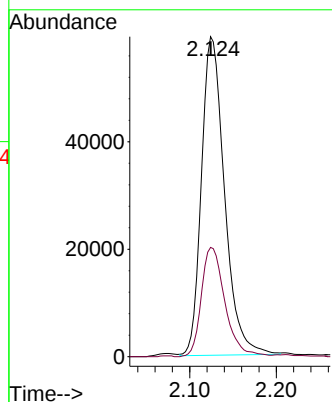
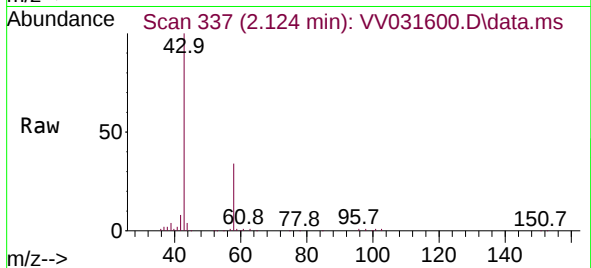
VSTD050378

Tgt Ion: 43 Resp: 109799

Ion Ratio Lower Upper

43 100

58 35.0 0.0 68.6



#14

Carbon disulfide

Concen: 46.240 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031600.D

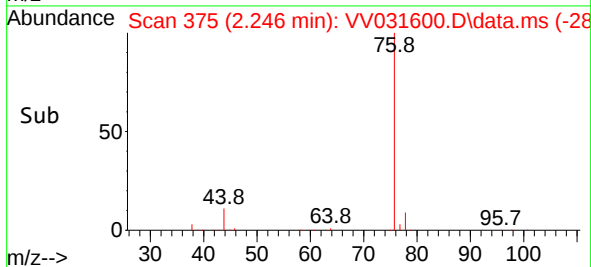
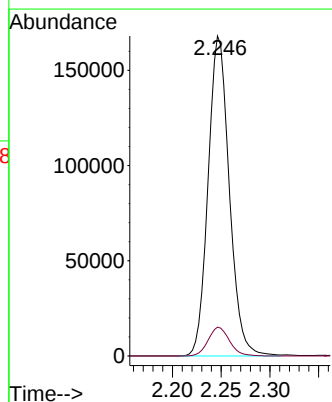
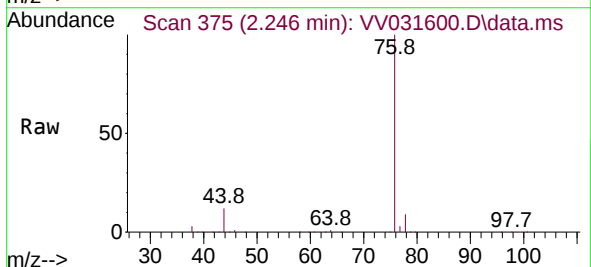
Acq: 21 Jun 2023 11:38

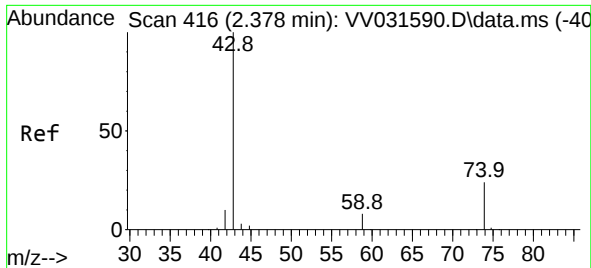
Tgt Ion: 76 Resp: 254336

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

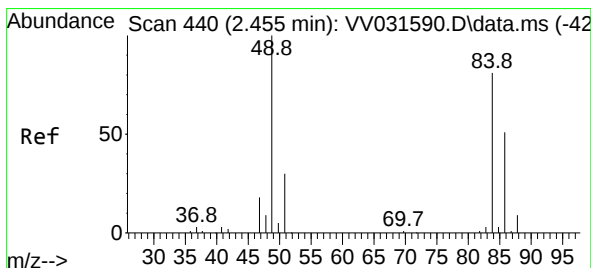
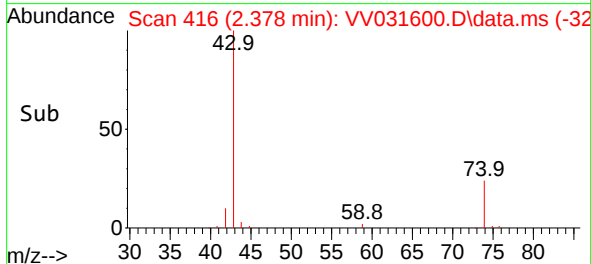
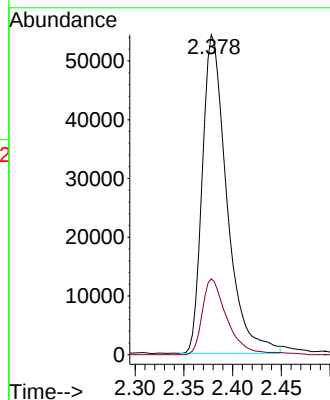
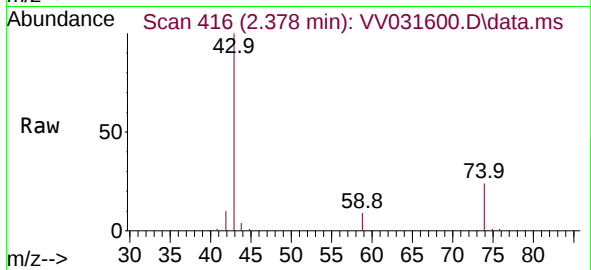




#15  
Methyl Acetate  
Concen: 43.327 ug/L  
RT: 2.378 min Scan# 416  
Delta R.T. -0.003 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

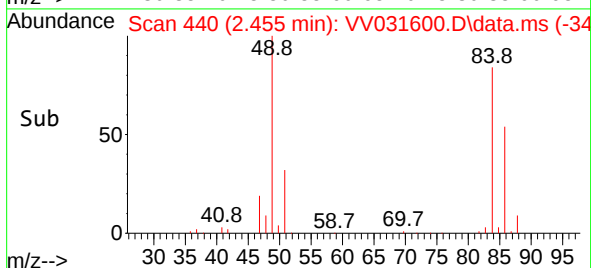
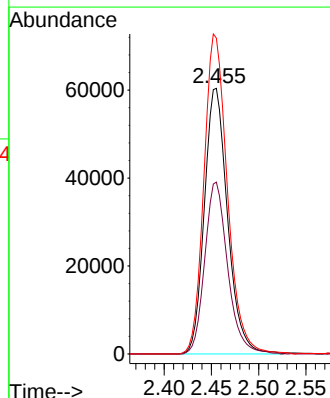
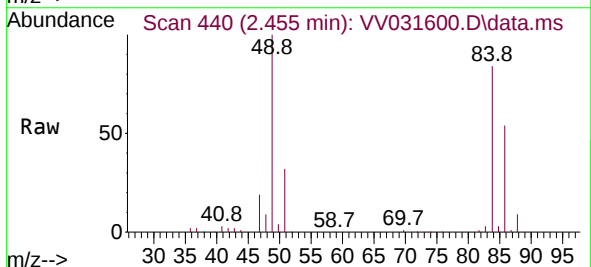
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

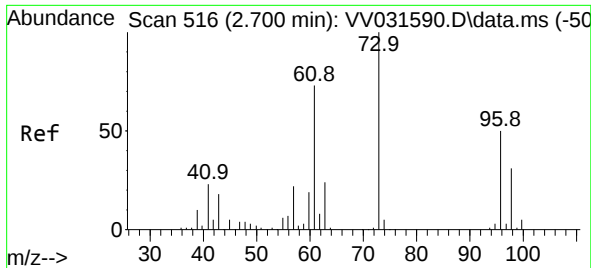
Tgt Ion: 43 Resp: 95328  
Ion Ratio Lower Upper  
43 100  
74 23.5 17.8 26.6



#16  
Methylene chloride  
Concen: 45.310 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion: 84 Resp: 103292  
Ion Ratio Lower Upper  
84 100  
86 64.7 45.8 85.0  
49 118.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 47.052 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

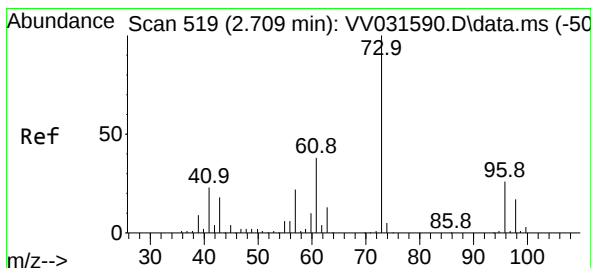
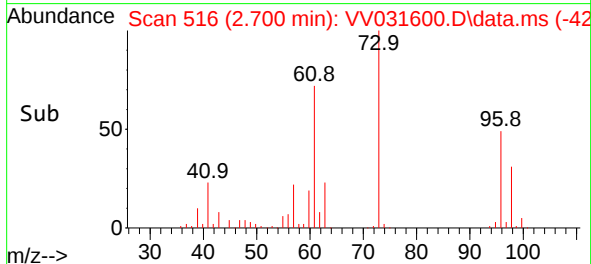
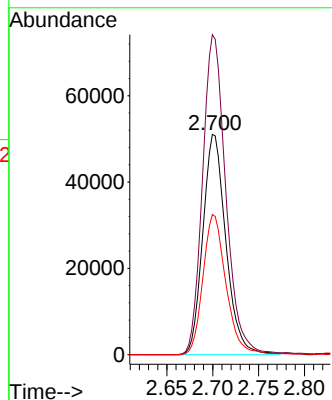
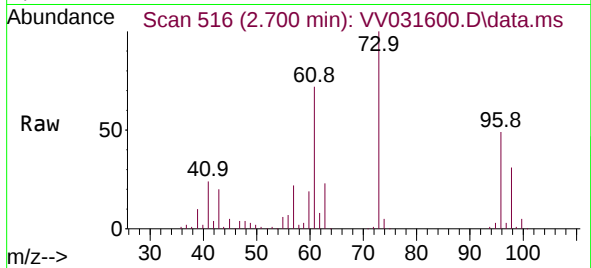
Tgt Ion: 96 Resp: 89307

Ion Ratio Lower Upper

96 100

61 145.3 102.5 190.3

98 65.4 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 46.429 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

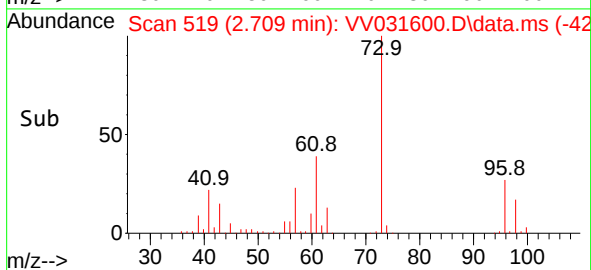
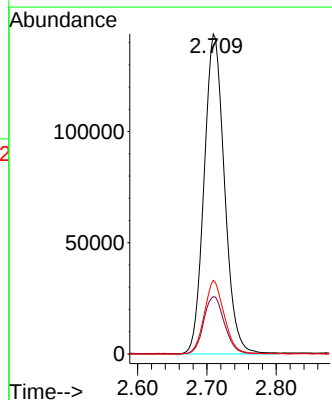
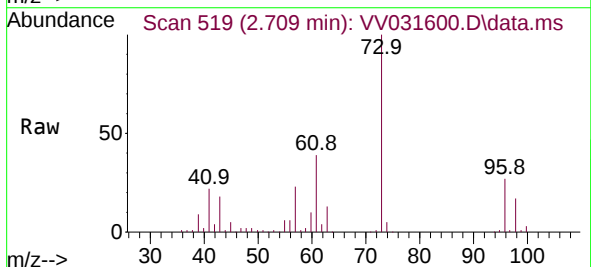
Tgt Ion: 73 Resp: 294045

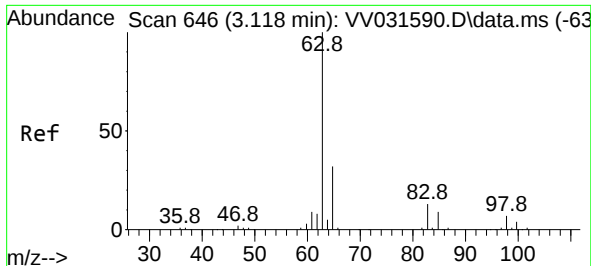
Ion Ratio Lower Upper

73 100

43 18.1 15.0 22.4

57 22.3 18.2 27.4





#19

1,1-Dichloroethane

Concen: 45.939 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

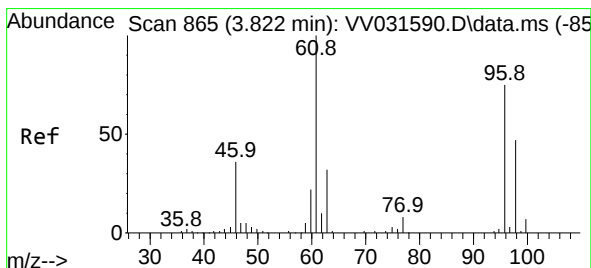
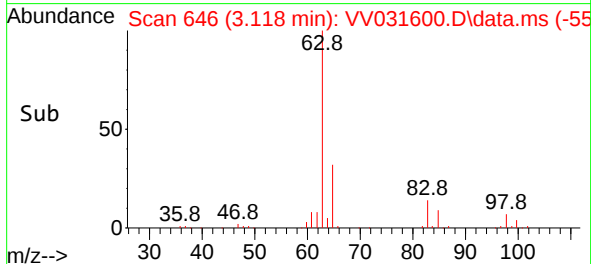
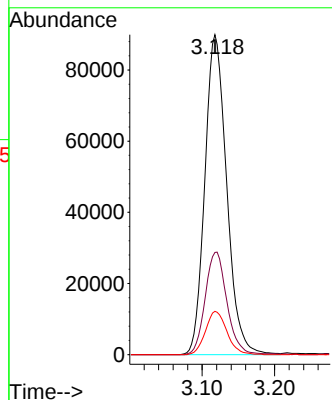
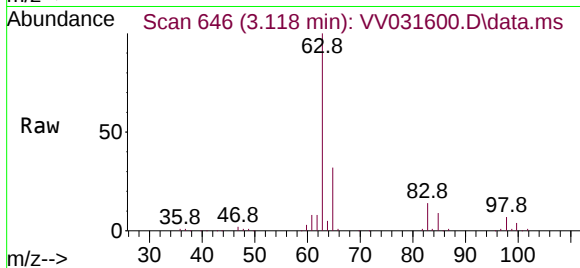
Tgt Ion: 63 Resp: 188191

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

83 14.1 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 47.701 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

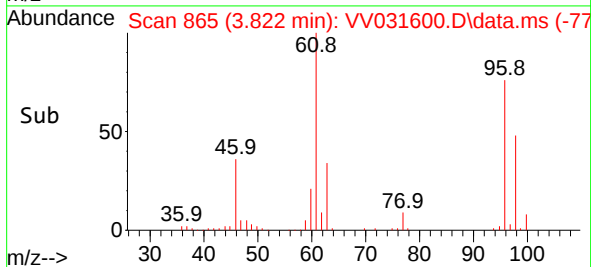
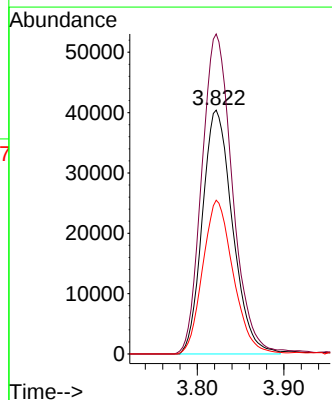
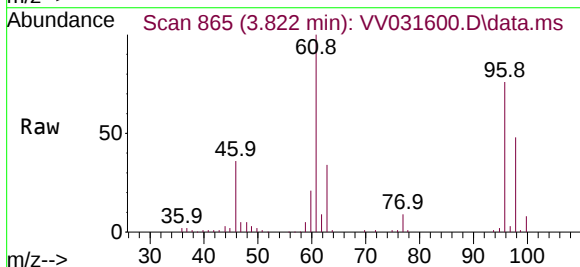
Tgt Ion: 96 Resp: 97845

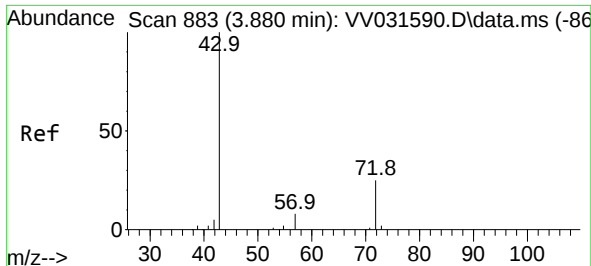
Ion Ratio Lower Upper

96 100

61 131.2 98.6 183.0

98 64.5 45.7 84.9

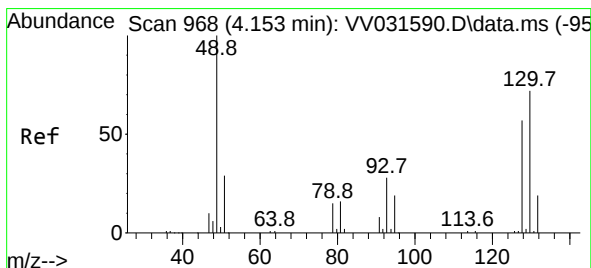
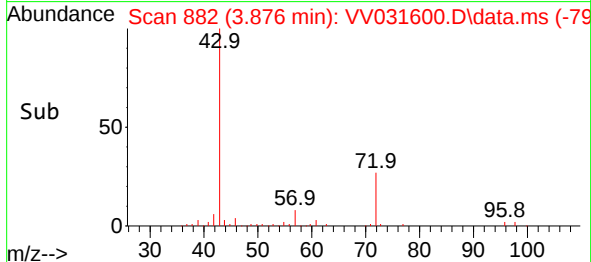
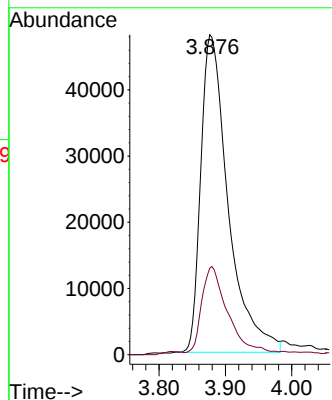
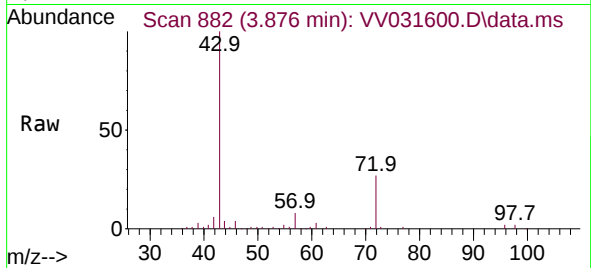




#22  
2-Butanone  
Concen: 84.595 ug/L  
RT: 3.876 min Scan# 883  
Delta R.T. -0.003 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

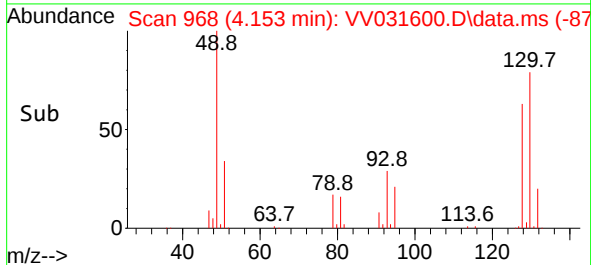
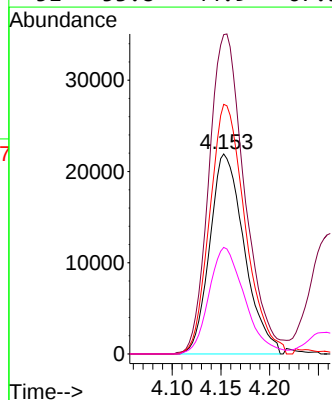
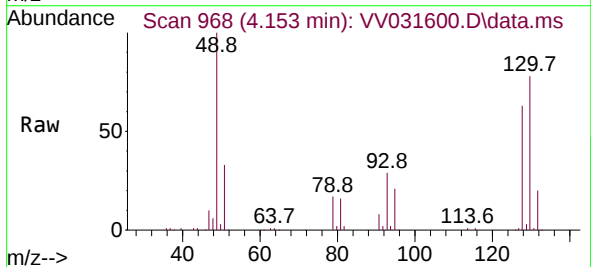
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

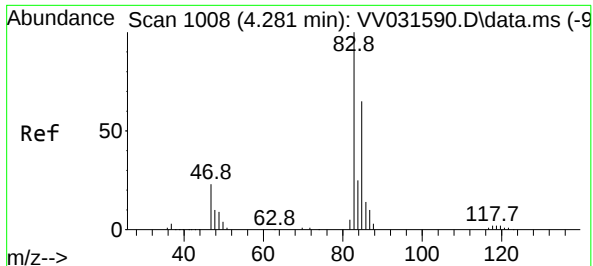
Tgt Ion: 43 Resp: 138102  
Ion Ratio Lower Upper  
43 100  
72 24.3 12.2 36.4



#23  
Bromochloromethane  
Concen: 48.710 ug/L  
RT: 4.153 min Scan# 968  
Delta R.T. -0.003 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion:128 Resp: 54008  
Ion Ratio Lower Upper  
128 100  
49 159.7 120.6 224.0  
130 127.1 88.1 163.7  
51 53.8 44.9 67.3





#25

Chloroform

Concen: 48.658 ug/L

RT: 4.285 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

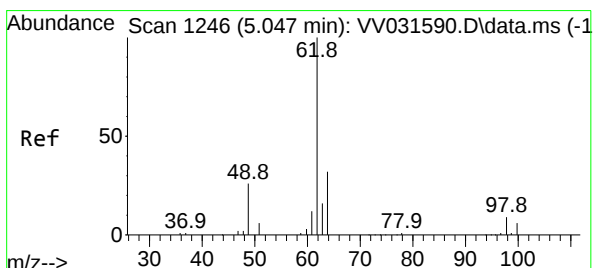
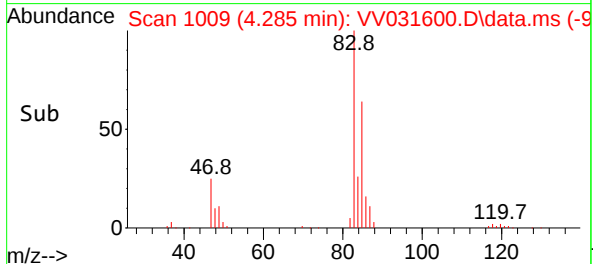
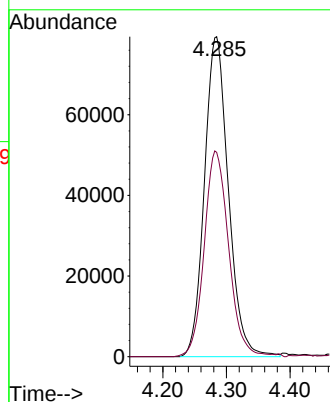
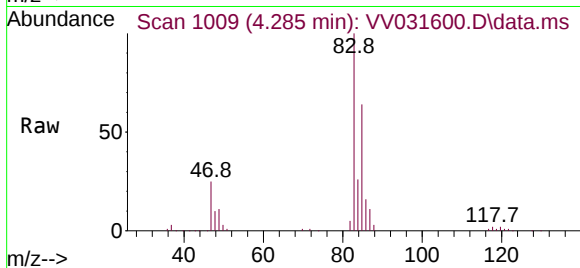
VSTD050378

Tgt Ion: 83 Resp: 207209

Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 45.419 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031600.D

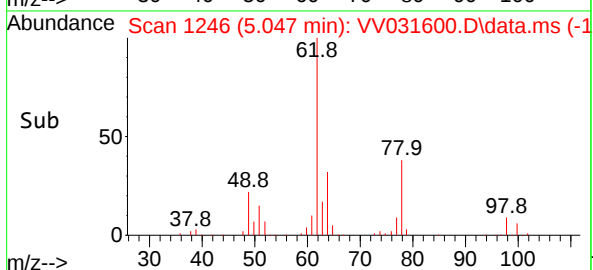
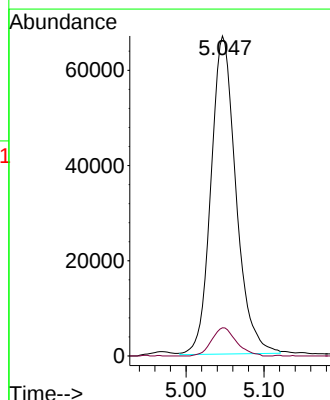
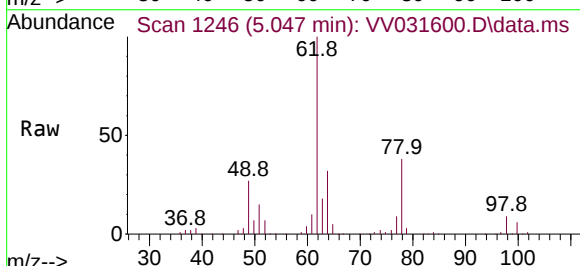
Acq: 21 Jun 2023 11:38

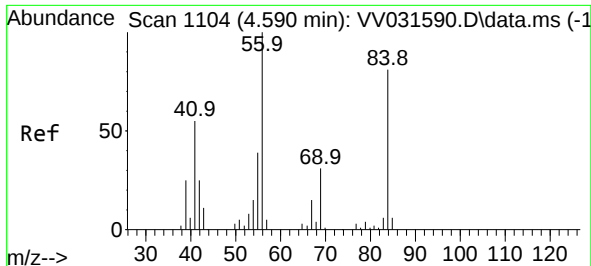
Tgt Ion: 62 Resp: 149278

Ion Ratio Lower Upper

62 100

98 8.8 6.6 9.8





#29

Cyclohexane

Concen: 46.239 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

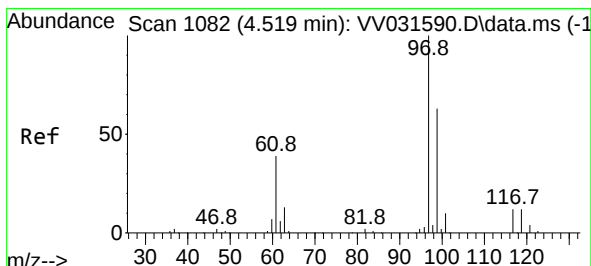
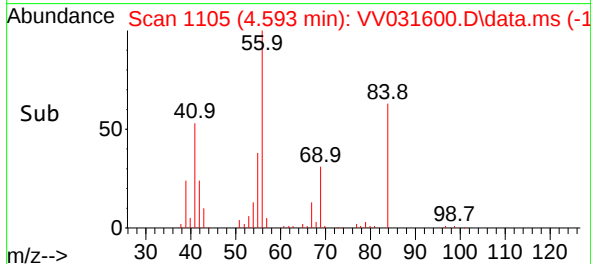
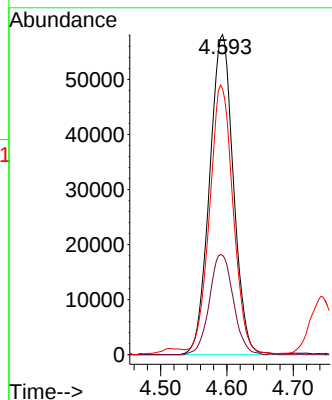
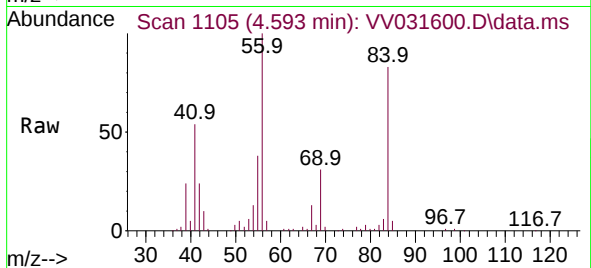
Tgt Ion: 56 Resp: 145234

Ion Ratio Lower Upper

56 100

69 31.4 24.3 36.5

84 82.8 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 47.108 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

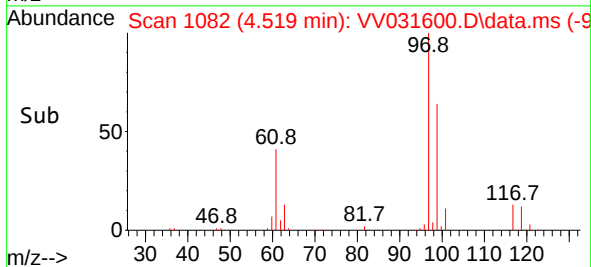
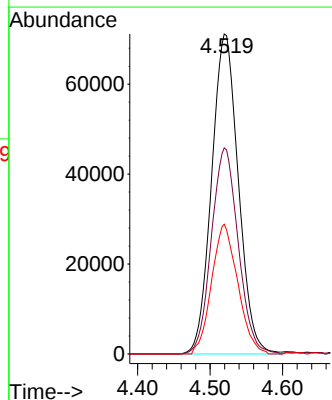
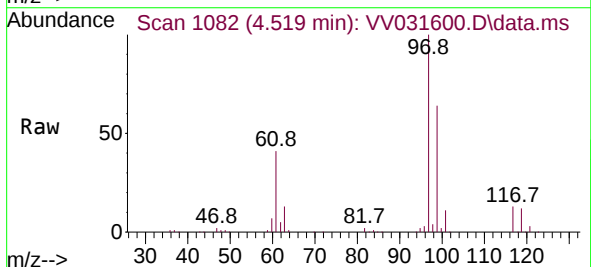
Tgt Ion: 97 Resp: 182338

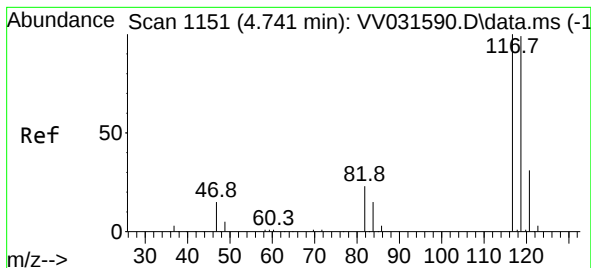
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 39.6 33.0 49.6





#31

Carbon tetrachloride

Concen: 49.056 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

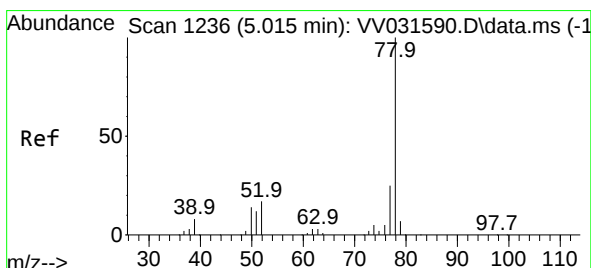
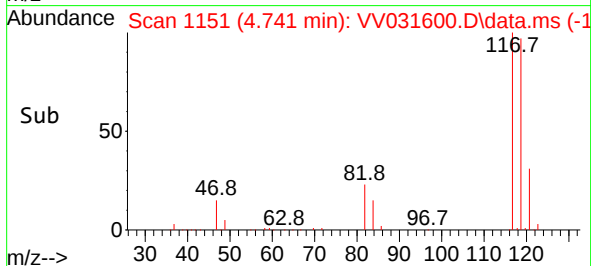
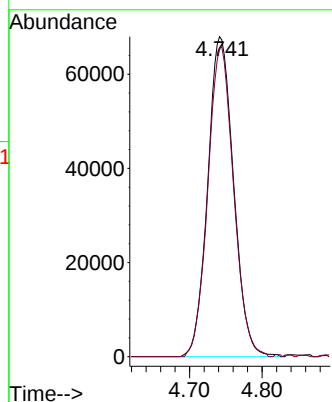
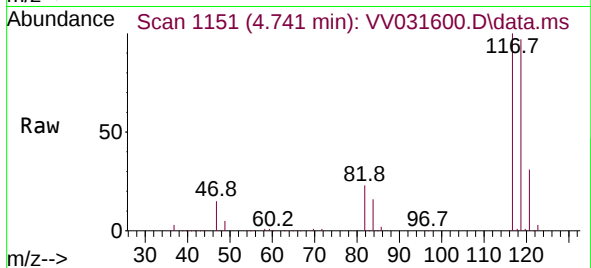
VSTD050378

Tgt Ion:117 Resp: 168240

Ion Ratio Lower Upper

117 100

119 96.4 76.2 114.4



#33

Benzene

Concen: 47.693 ug/L

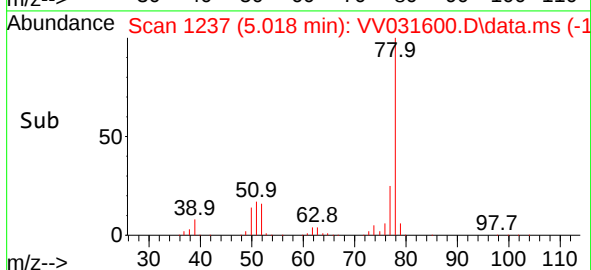
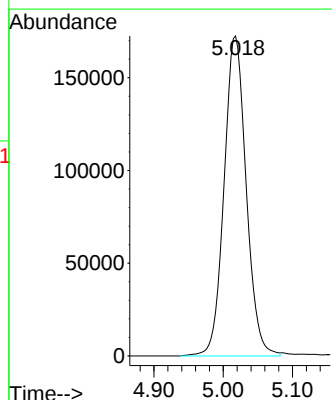
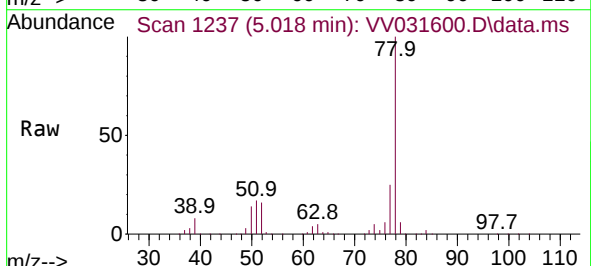
RT: 5.018 min Scan# 1237

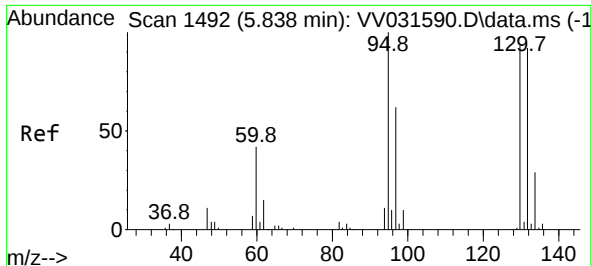
Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Tgt Ion: 78 Resp: 383344



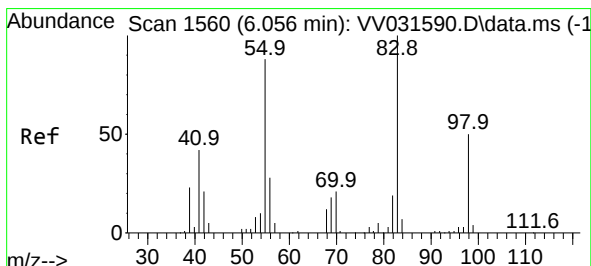
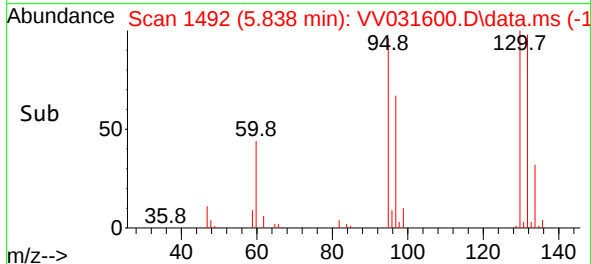
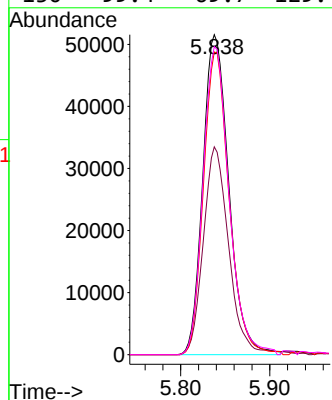
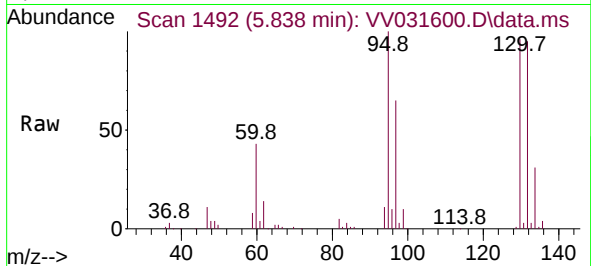


#34  
Trichloroethene  
Concen: 48.798 ug/L  
RT: 5.838 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

Tgt Ion: 95 Resp: 104809

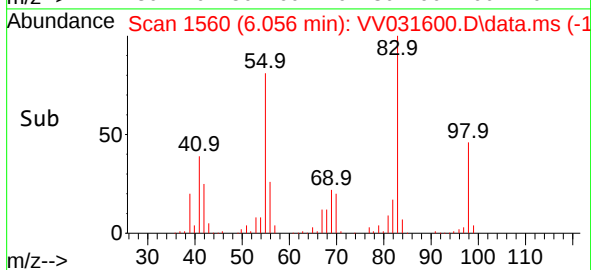
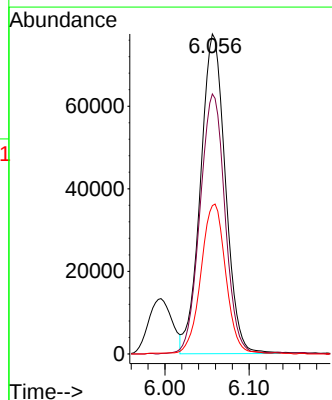
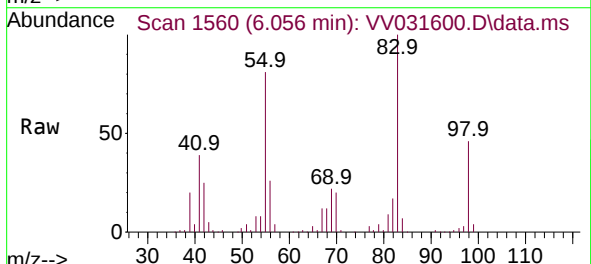
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.1  | 46.8  | 86.8  |
| 132 | 97.7  | 66.4  | 123.2 |
| 130 | 99.4  | 69.7  | 129.4 |

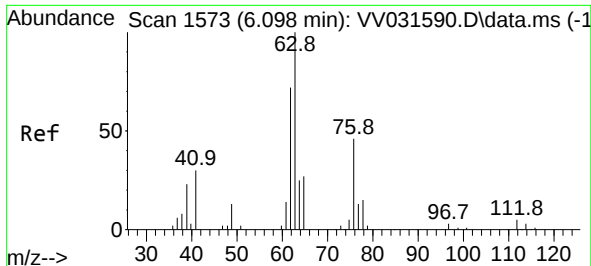


#35  
Methylcyclohexane  
Concen: 50.254 ug/L  
RT: 6.056 min Scan# 1560  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion: 83 Resp: 159040

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 82.0  | 68.7  | 103.1 |
| 98  | 46.7  | 37.0  | 55.4  |





#37

1,2-Dichloropropane

Concen: 45.996 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

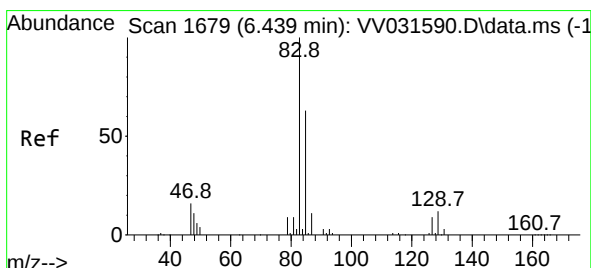
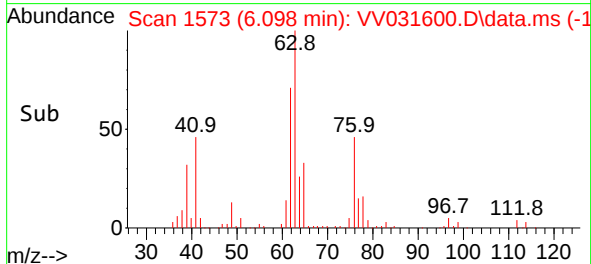
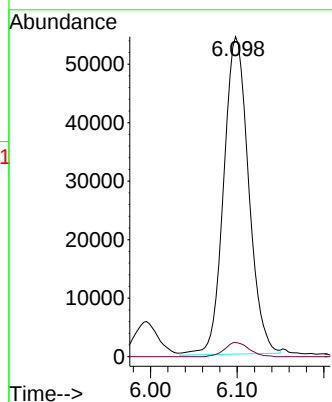
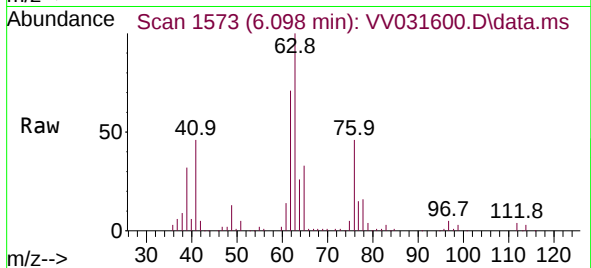
VSTD050378

Tgt Ion: 63 Resp: 108561

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 48.043 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

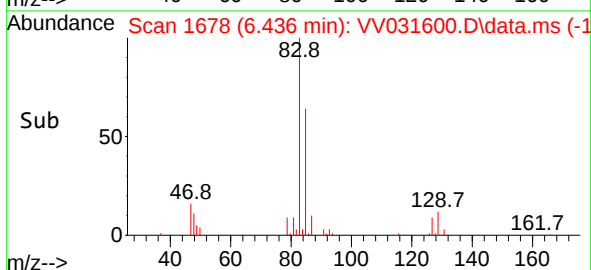
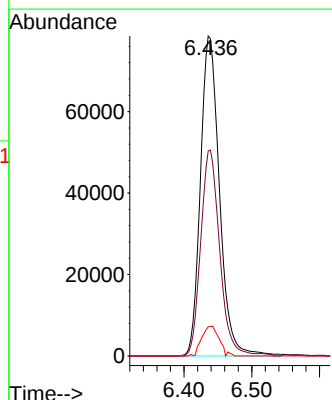
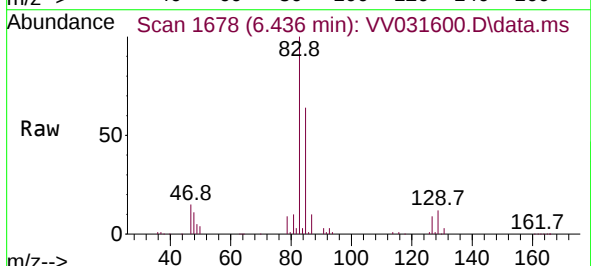
Tgt Ion: 83 Resp: 153268

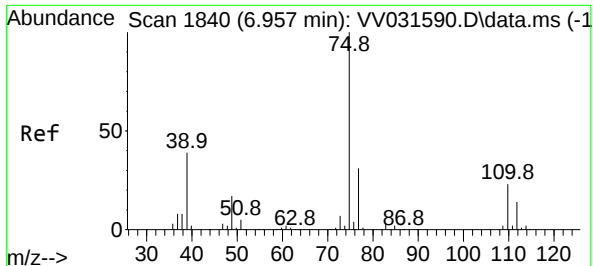
Ion Ratio Lower Upper

83 100

85 64.0 45.3 84.1

127 10.1 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 48.148 ug/L

RT: 6.957 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

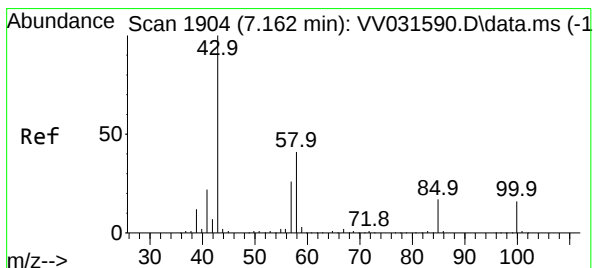
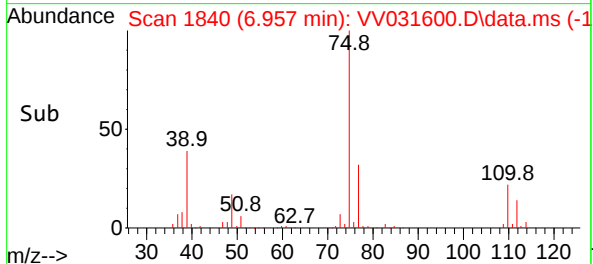
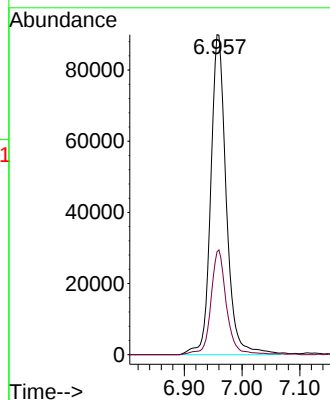
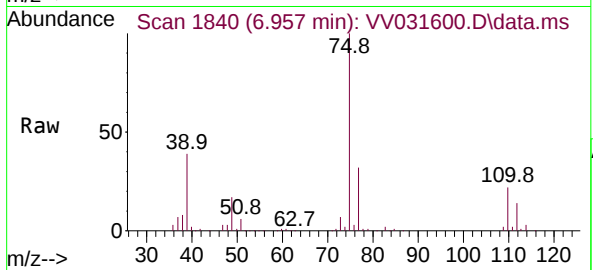
VSTD050378

Tgt Ion: 75 Resp: 168691

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 93.726 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

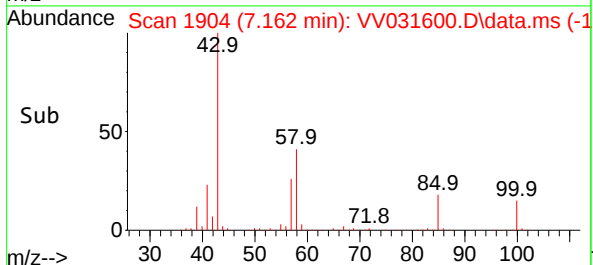
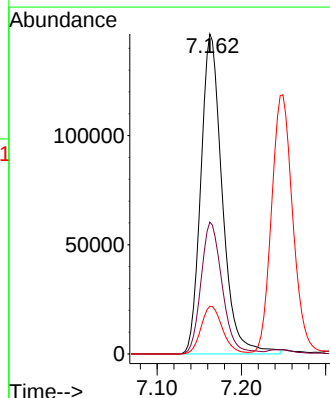
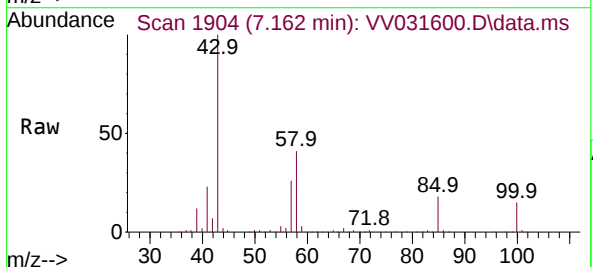
Tgt Ion: 43 Resp: 259755

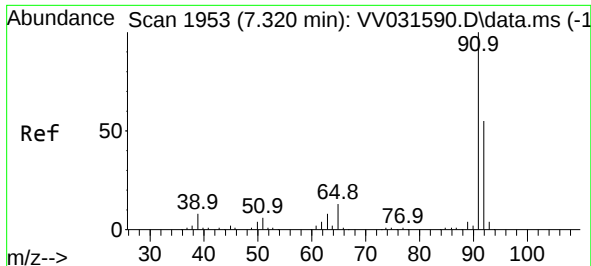
Ion Ratio Lower Upper

43 100

58 40.8 31.8 47.8

100 14.9 11.1 16.7





#42

Toluene

Concen: 51.184 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

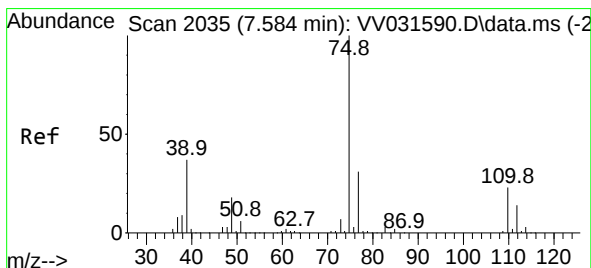
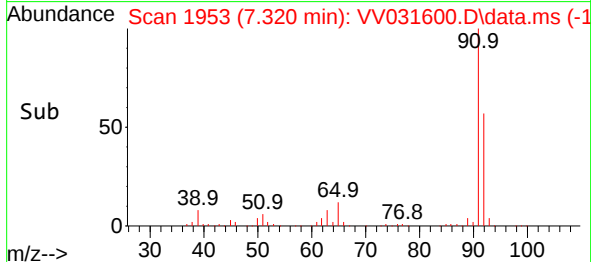
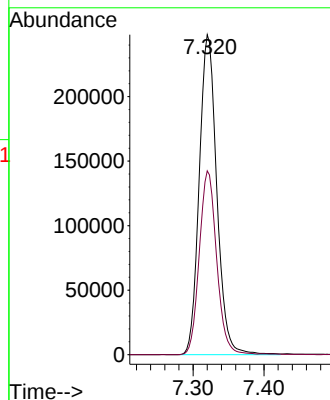
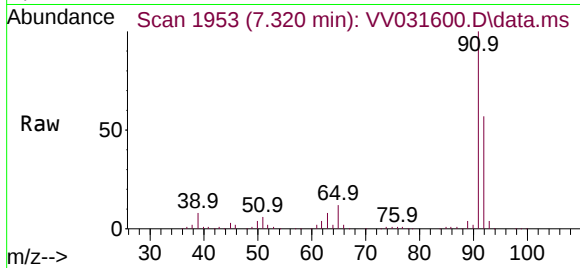
VSTD050378

Tgt Ion: 91 Resp: 426553

Ion Ratio Lower Upper

91 100

92 57.5 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 49.274 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031600.D

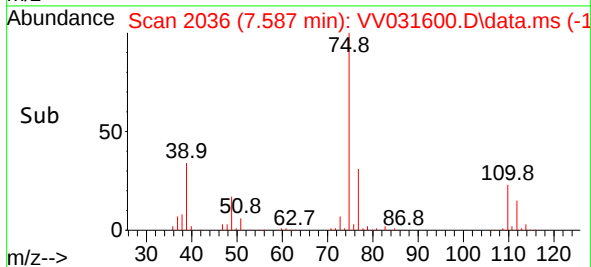
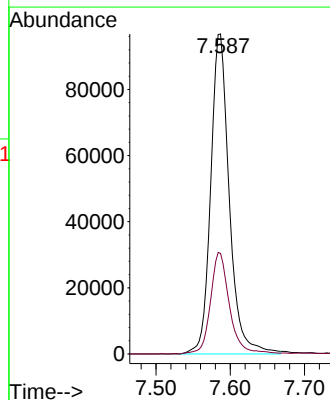
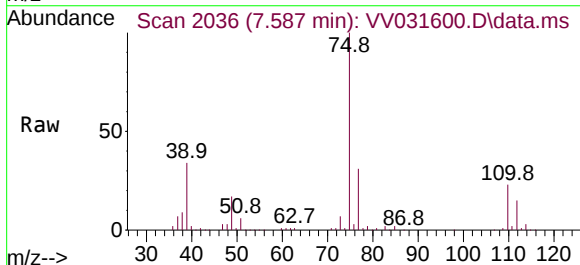
Acq: 21 Jun 2023 11:38

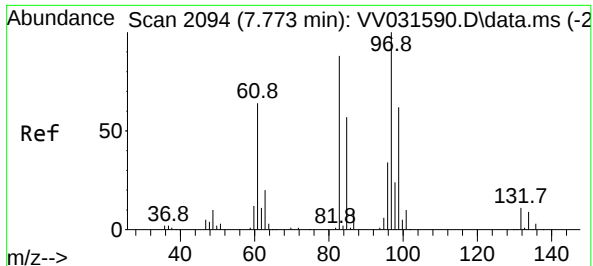
Tgt Ion: 75 Resp: 168121

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 48.858 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

Tgt Ion: 97 Resp: 108935

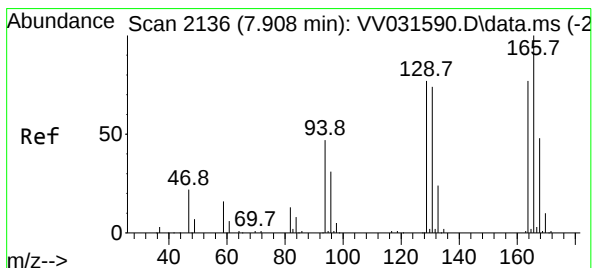
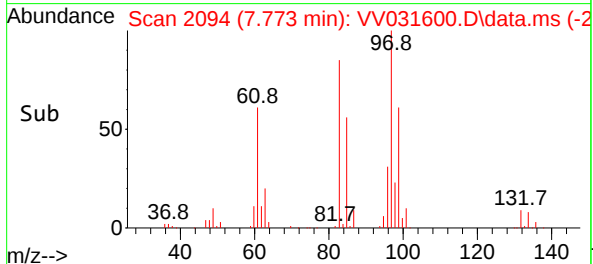
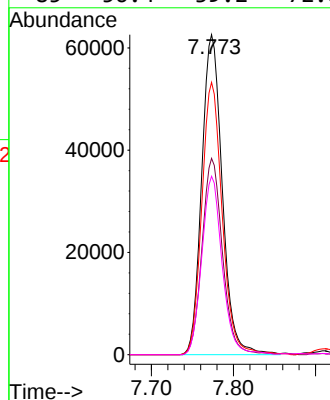
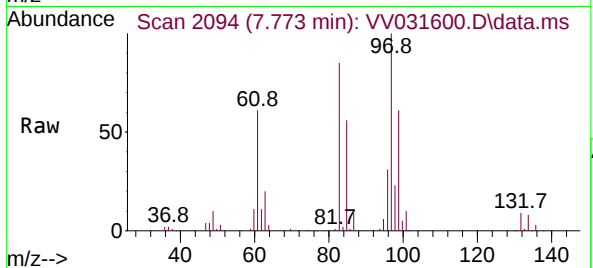
Ion Ratio Lower Upper

97 100

99 61.4 43.7 81.1

83 85.1 60.9 113.1

85 56.4 39.2 72.8



#46

Tetrachloroethene

Concen: 50.626 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Tgt Ion:164 Resp: 85341

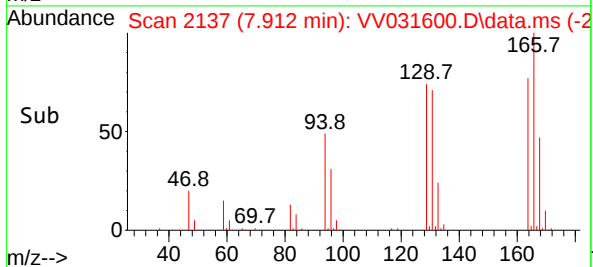
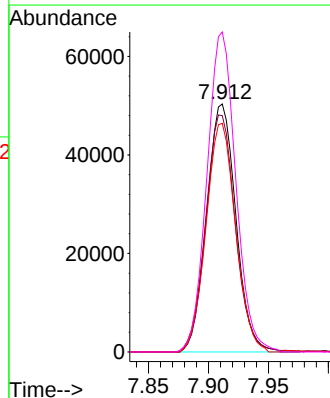
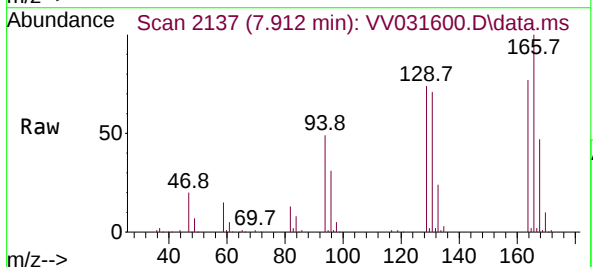
Ion Ratio Lower Upper

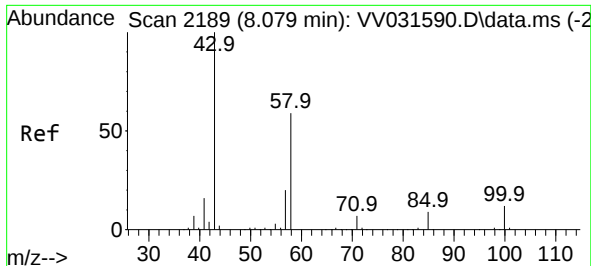
164 100

129 97.9 68.4 127.0

131 92.2 67.6 125.6

166 131.8 91.3 169.5

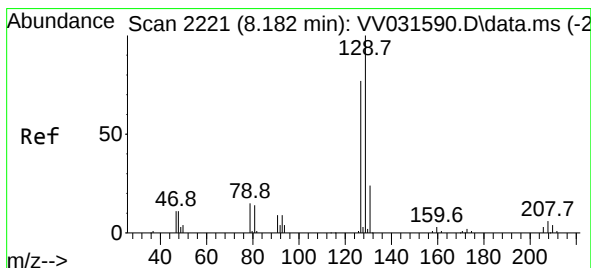
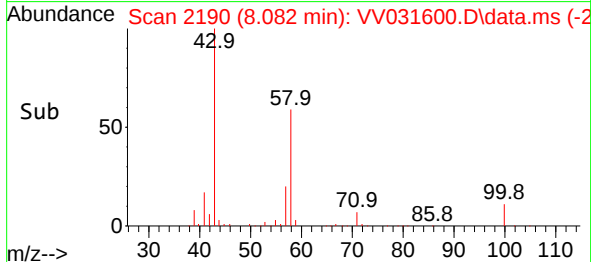
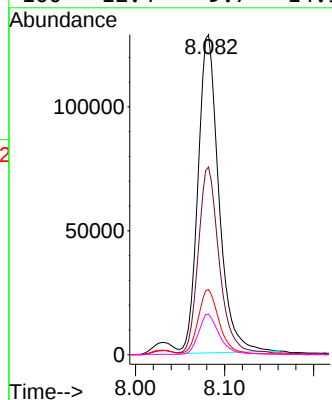
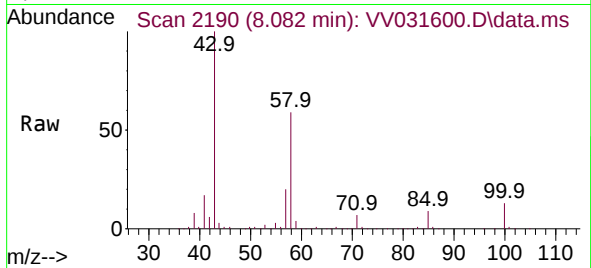




#48  
2-Hexanone  
Concen: 94.382 ug/L  
RT: 8.082 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

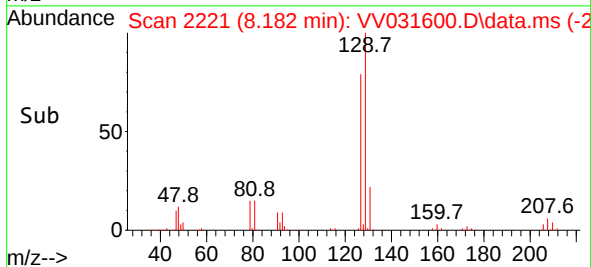
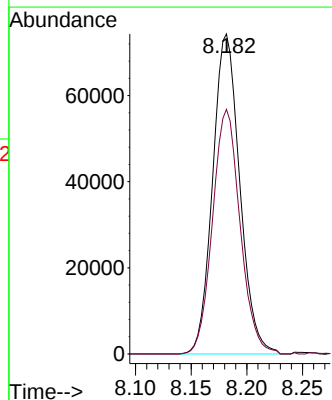
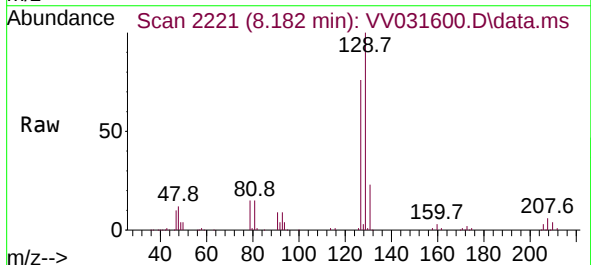
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

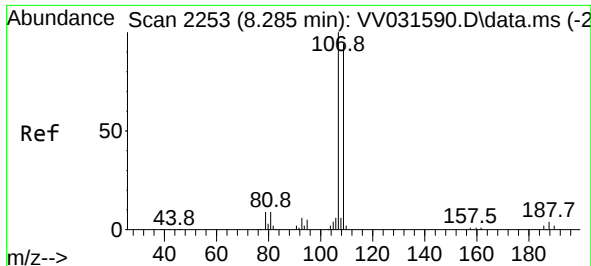
Tgt Ion: 43 Resp: 208906  
Ion Ratio Lower Upper  
43 100  
58 59.9 46.7 70.1  
57 20.5 15.5 23.3  
100 12.4 9.7 14.5



#49  
Dibromochloromethane  
Concen: 50.735 ug/L  
RT: 8.182 min Scan# 2221  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion: 129 Resp: 125722  
Ion Ratio Lower Upper  
129 100  
127 75.4 55.8 103.6

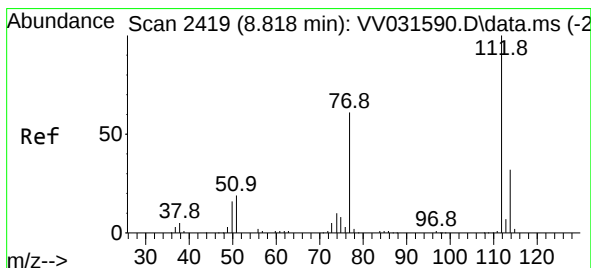
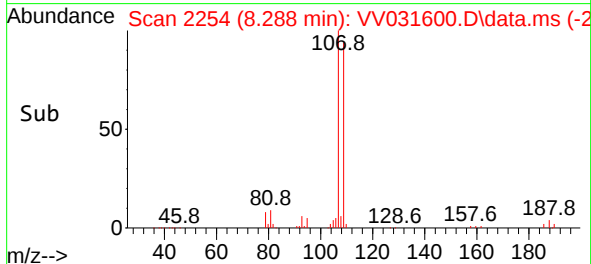
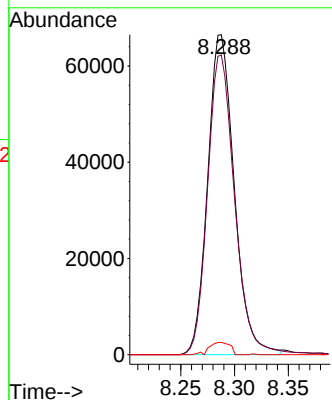
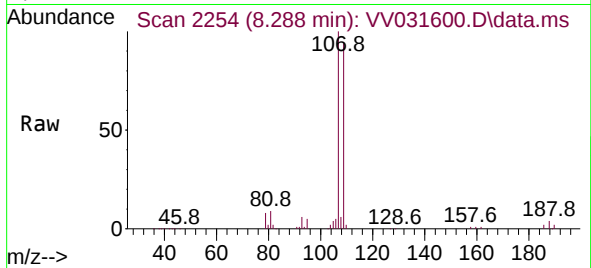




#50  
1,2-Dibromoethane  
Concen: 48.205 ug/L  
RT: 8.288 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

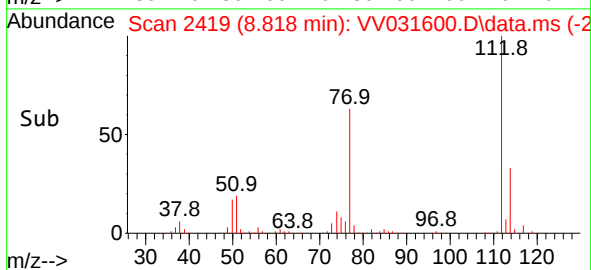
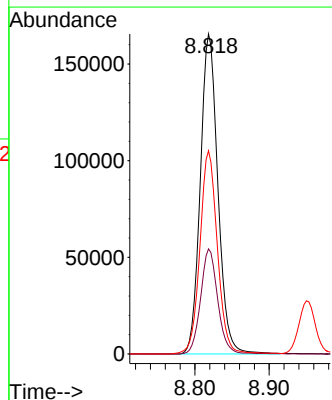
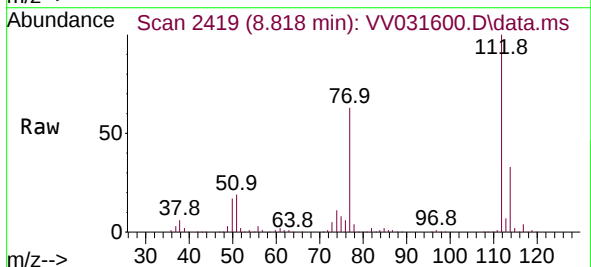
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

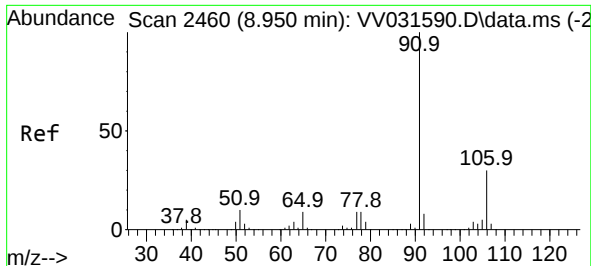
Tgt Ion:107 Resp: 114441  
Ion Ratio Lower Upper  
107 100  
109 93.7 65.7 122.1  
188 3.8 2.6 4.0



#51  
Chlorobenzene  
Concen: 49.418 ug/L  
RT: 8.818 min Scan# 2419  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion:112 Resp: 272761  
Ion Ratio Lower Upper  
112 100  
114 32.8 22.9 42.5  
77 63.5 52.5 78.7

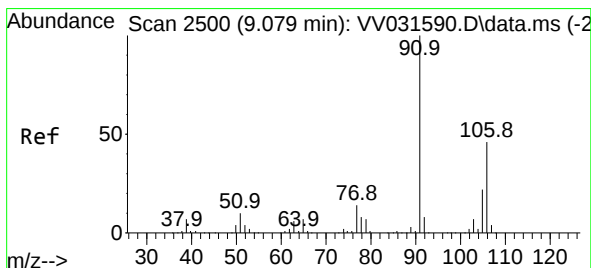
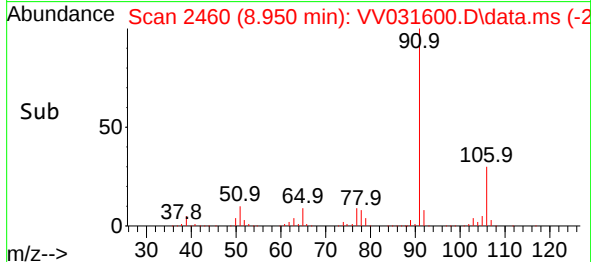
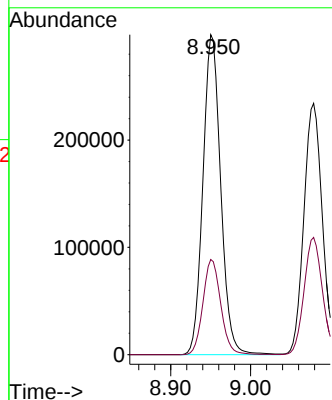
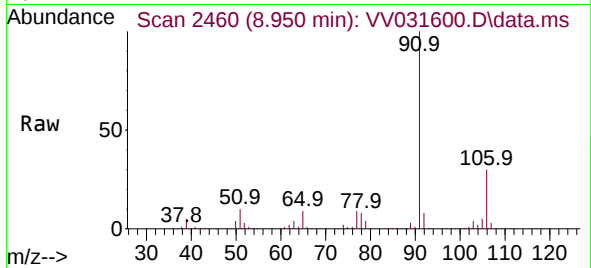




#52  
Ethylbenzene  
Concen: 49.722 ug/L  
RT: 8.950 min Scan# 2460  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

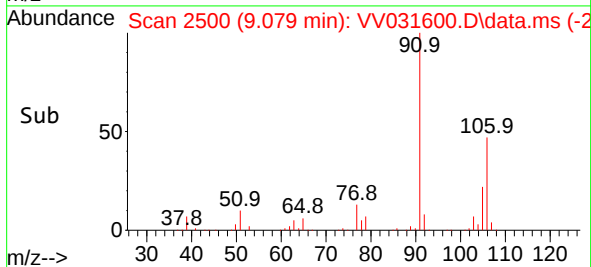
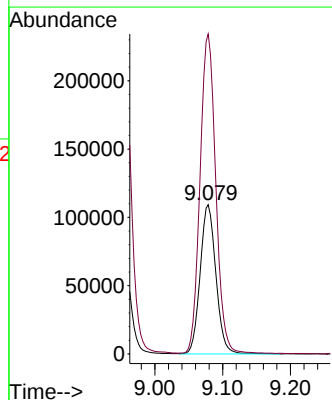
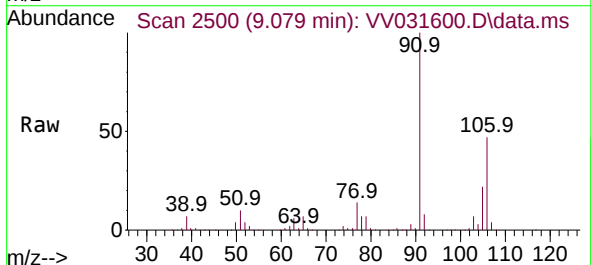
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

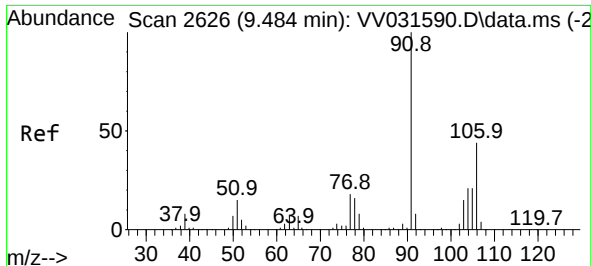
Tgt Ion: 91 Resp: 462371  
Ion Ratio Lower Upper  
91 100  
106 29.7 20.8 38.6



#53  
m,p-Xylene  
Concen: 51.783 ug/L  
RT: 9.079 min Scan# 2500  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion: 106 Resp: 176343  
Ion Ratio Lower Upper  
106 100  
91 214.3 149.0 276.6

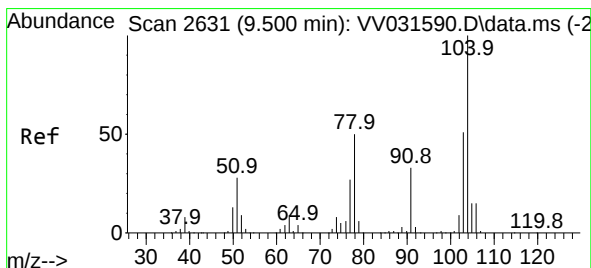
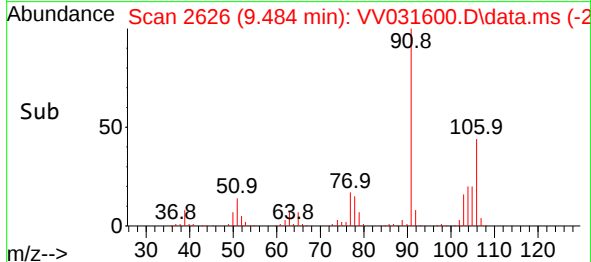
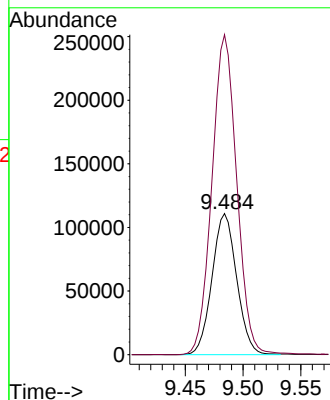
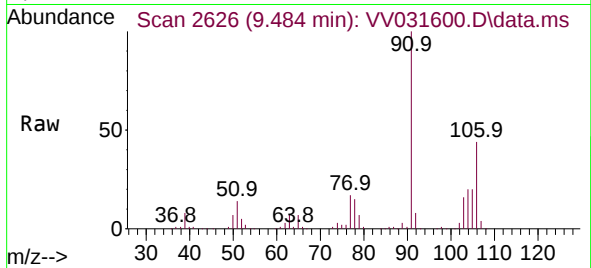




#54  
o-Xylene  
Concen: 50.947 ug/L  
RT: 9.484 min Scan# 2626  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

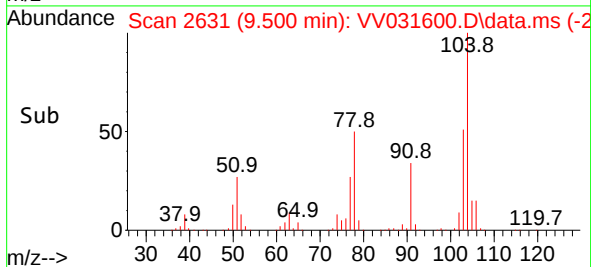
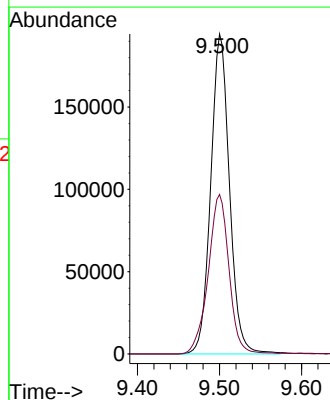
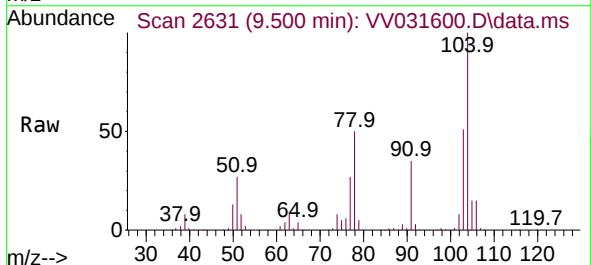
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

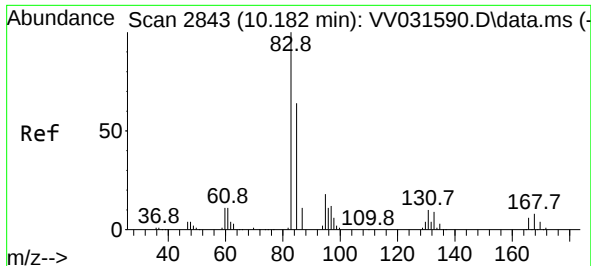
Tgt Ion:106 Resp: 164646  
Ion Ratio Lower Upper  
106 100  
91 226.6 161.3 299.7



#55  
Styrene  
Concen: 53.451 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion:104 Resp: 308496  
Ion Ratio Lower Upper  
104 100  
78 49.8 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 47.481 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

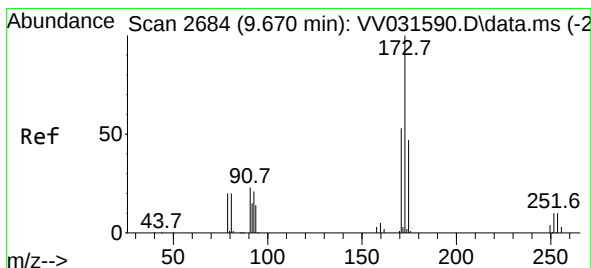
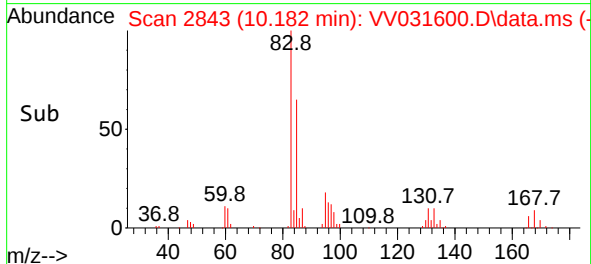
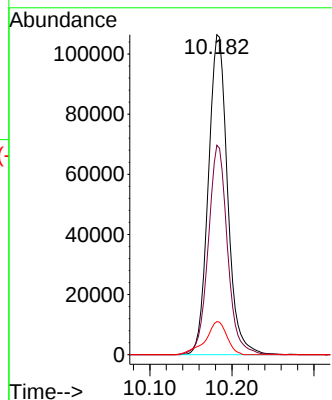
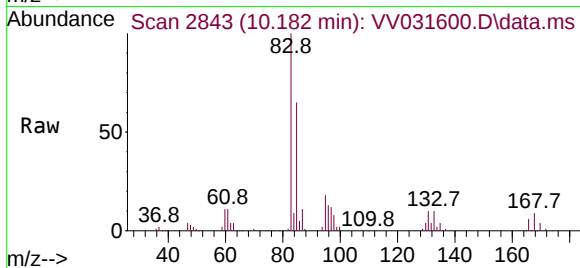
Tgt Ion: 83 Resp: 172975

Ion Ratio Lower Upper

83 100

85 65.5 43.1 80.1

131 14.2 10.6 16.0



#59

Bromoform

Concen: 50.427 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

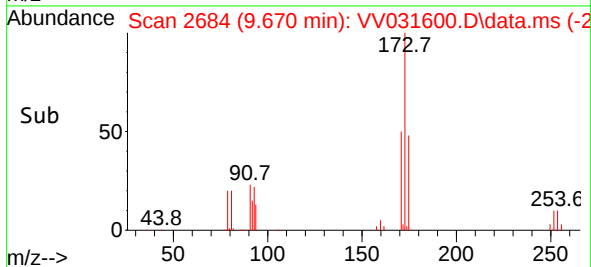
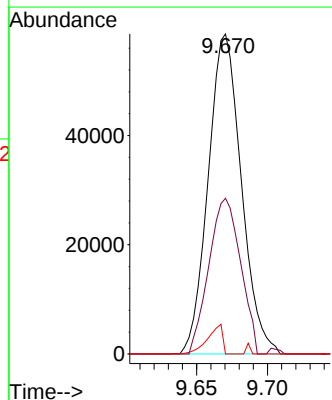
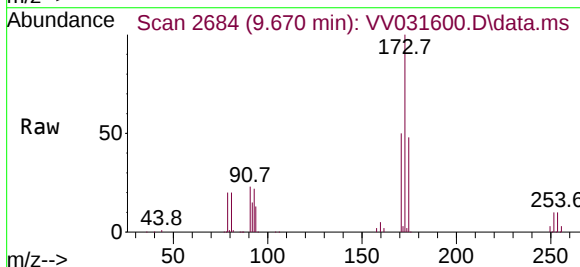
Tgt Ion: 173 Resp: 95238

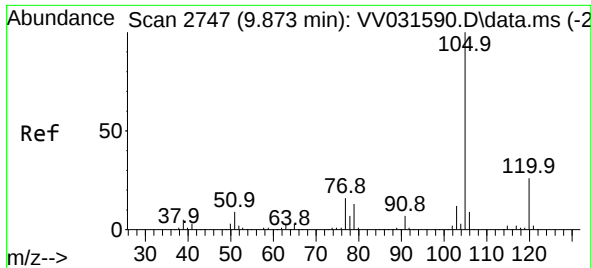
Ion Ratio Lower Upper

173 100

175 46.5 37.7 56.5

254 4.1 0.1 0.1#

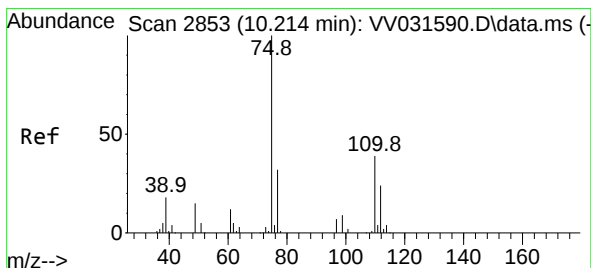
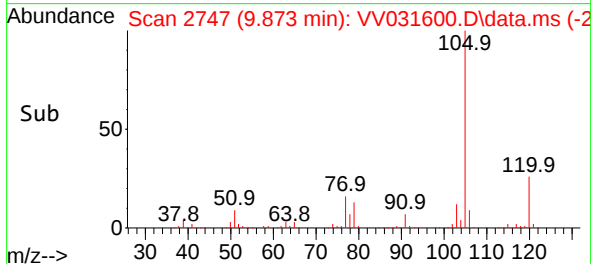
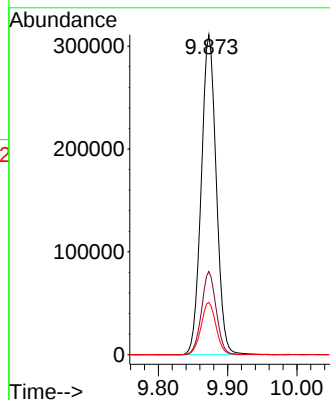
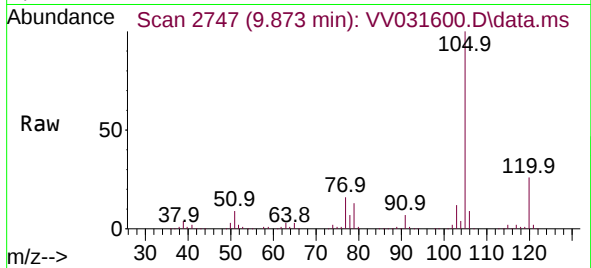




#60  
Isopropylbenzene  
Concen: 48.179 ug/L  
RT: 9.873 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

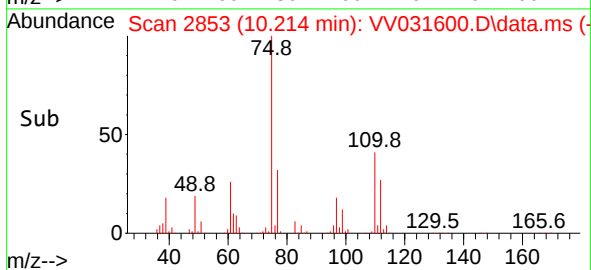
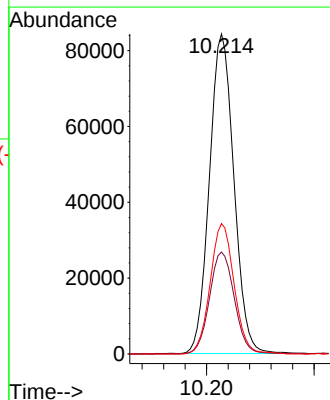
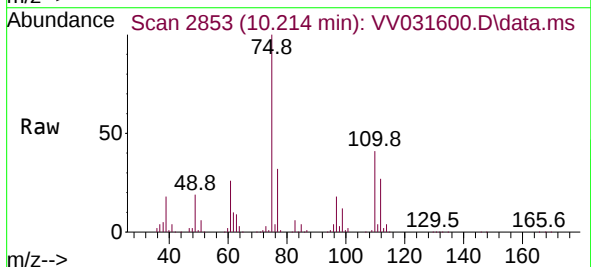
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

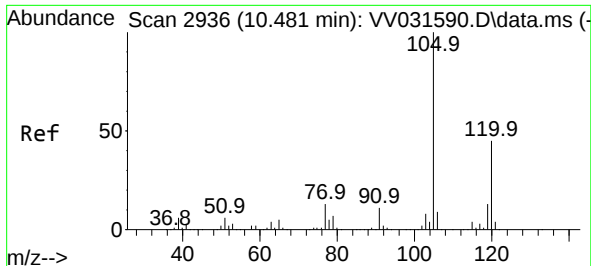
Tgt Ion:105 Resp: 467988  
Ion Ratio Lower Upper  
105 100  
120 25.5 20.2 30.2  
77 16.4 13.5 20.3



#61  
1,2,3-Trichloropropane  
Concen: 44.249 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. 0.000 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion: 75 Resp: 133162  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.4 38.0  
110 40.0 31.3 46.9

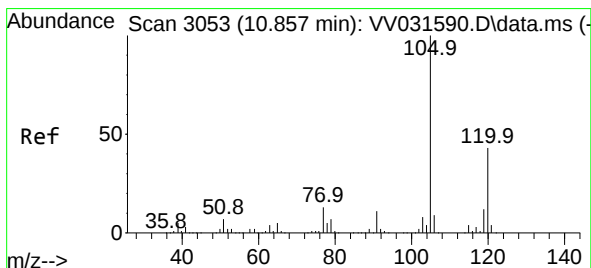
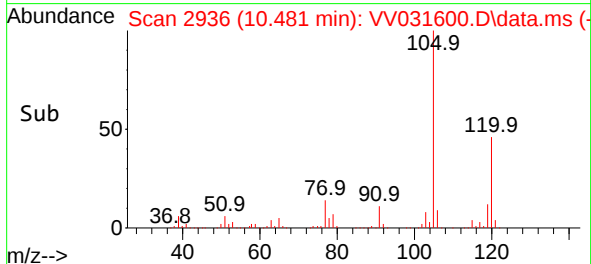
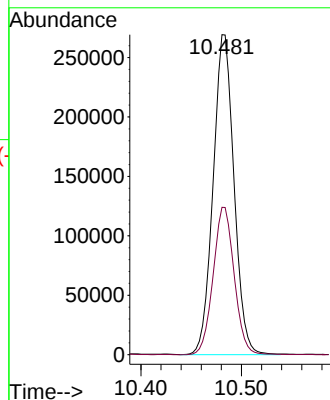
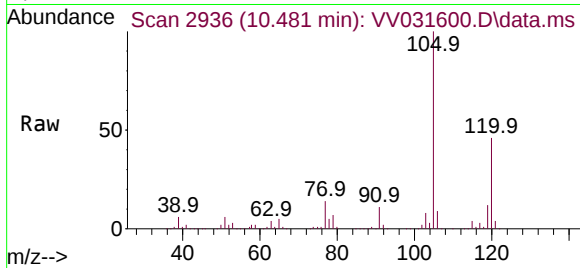




#62  
1,3,5-Trimethylbenzene  
Concen: 48.460 ug/L  
RT: 10.481 min Scan# 2936  
Delta R.T. -0.003 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

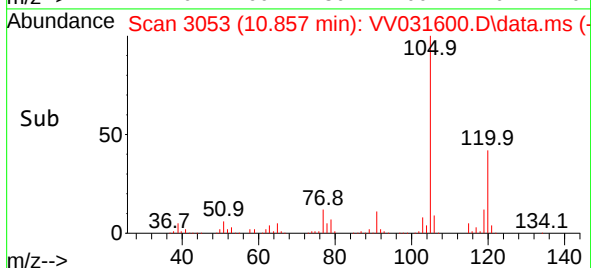
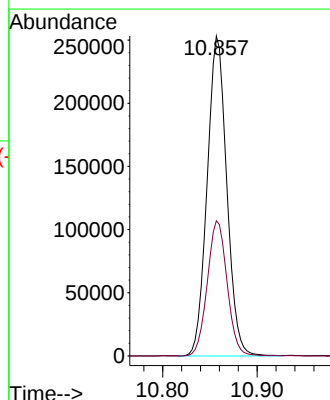
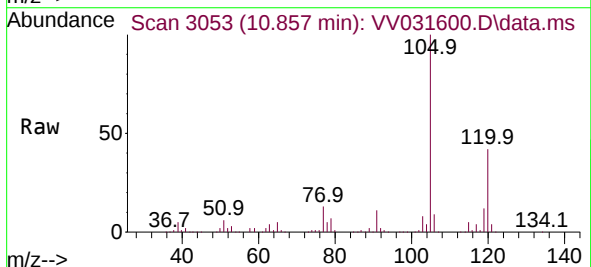
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050378

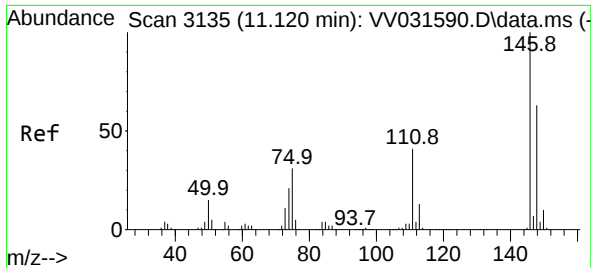
Tgt Ion:105 Resp: 389043  
Ion Ratio Lower Upper  
105 100  
120 46.4 36.2 54.2



#63  
1,2,4-Trimethylbenzene  
Concen: 48.835 ug/L  
RT: 10.857 min Scan# 3053  
Delta R.T. -0.003 min  
Lab File: VV031600.D  
Acq: 21 Jun 2023 11:38

Tgt Ion:105 Resp: 365297  
Ion Ratio Lower Upper  
105 100  
120 42.6 33.4 50.2

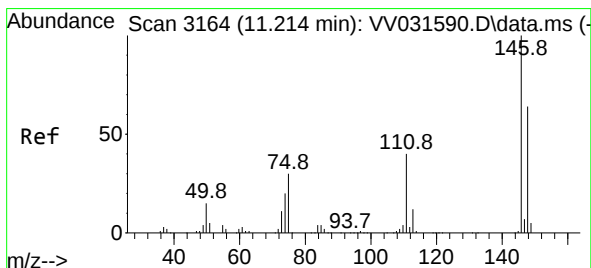
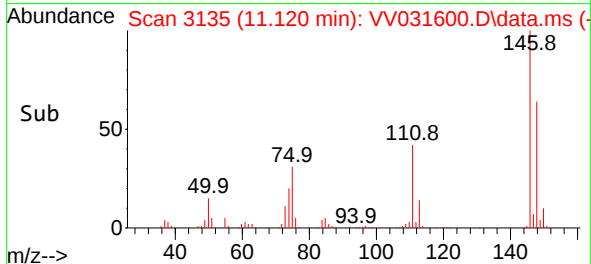
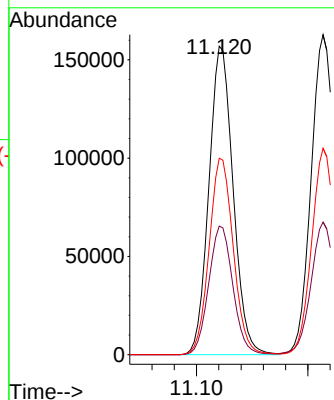
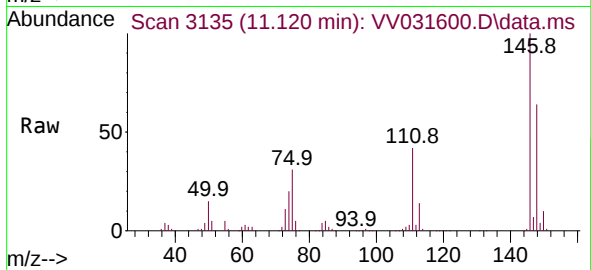




#64  
 1,3-Dichlorobenzene  
 Concen: 48.693 ug/L  
 RT: 11.120 min Scan# 3135  
 Delta R.T. -0.003 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

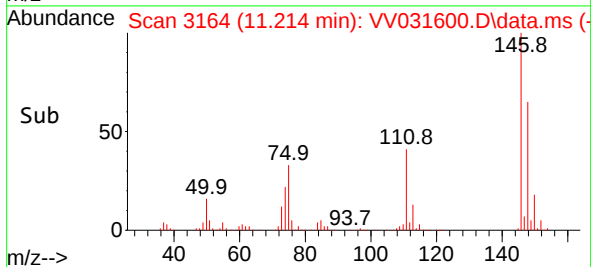
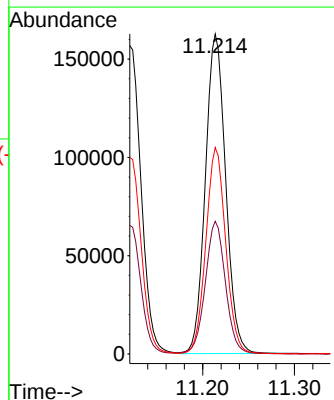
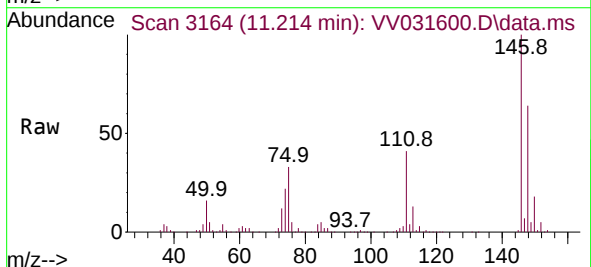
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050378

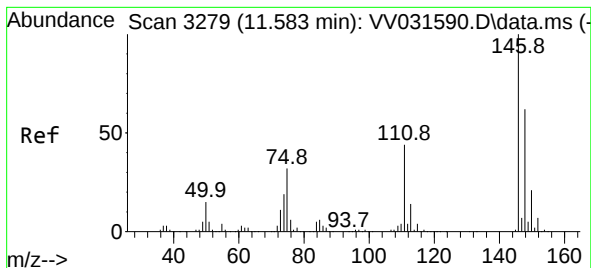
Tgt Ion:146 Resp: 237128  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 30.4 56.5  
 148 63.7 44.7 83.1



#65  
 1,4-Dichlorobenzene  
 Concen: 48.160 ug/L  
 RT: 11.214 min Scan# 3164  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

Tgt Ion:146 Resp: 249922  
 Ion Ratio Lower Upper  
 146 100  
 111 41.4 27.9 51.7  
 148 64.5 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 47.756 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

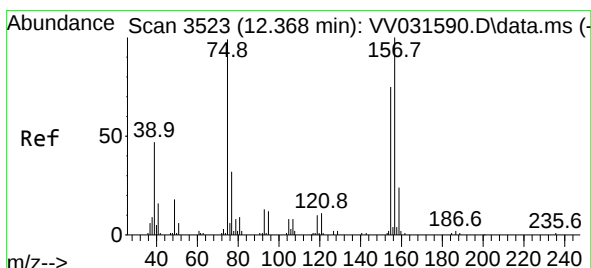
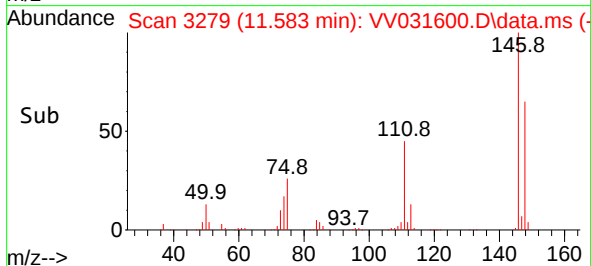
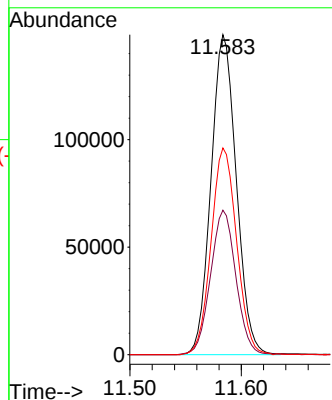
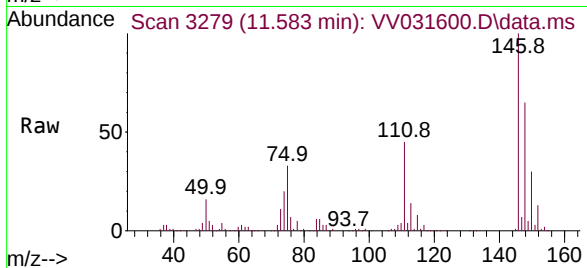
Tgt Ion:146 Resp: 234730

Ion Ratio Lower Upper

146 100

111 45.2 35.9 53.9

148 64.6 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.111 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

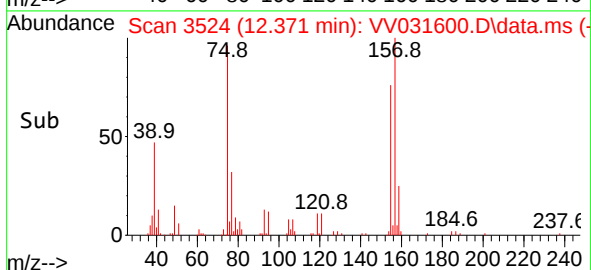
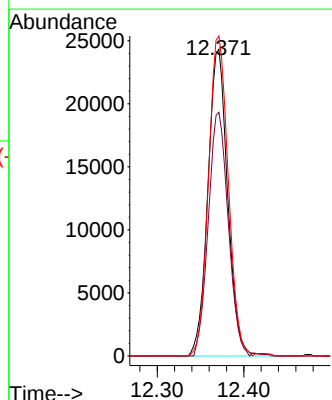
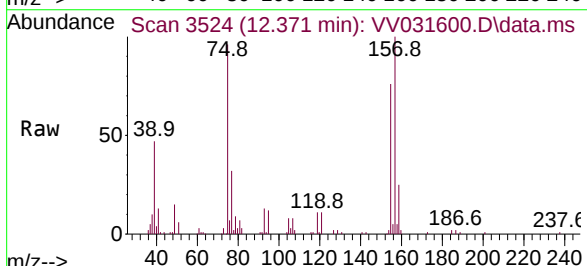
Tgt Ion: 75 Resp: 38506

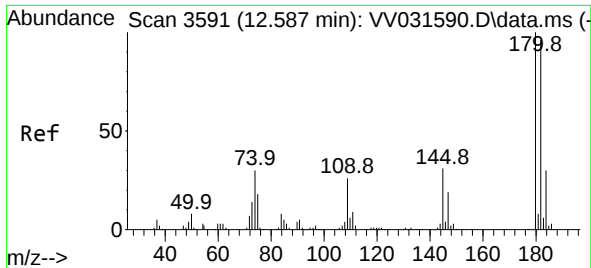
Ion Ratio Lower Upper

75 100

155 79.5 63.2 94.8

157 104.3 85.3 127.9

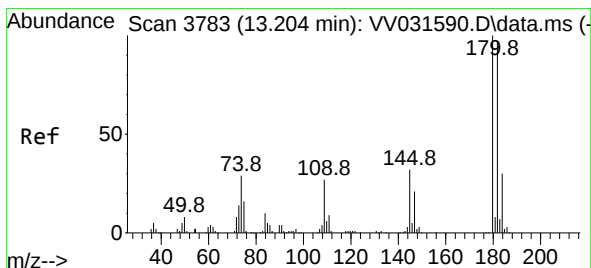
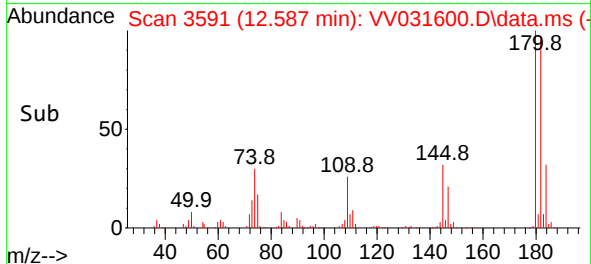
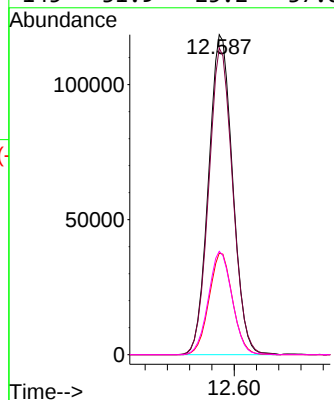
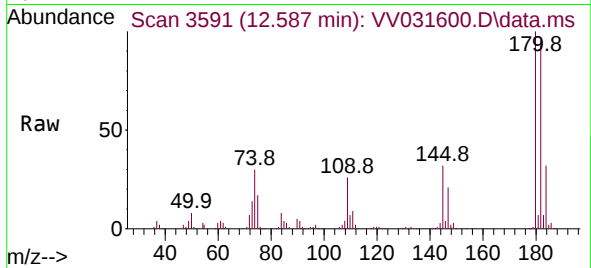




#69  
 1,3,5-Trichlorobenzene  
 Concen: 47.876 ug/L  
 RT: 12.587 min Scan# 3591  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

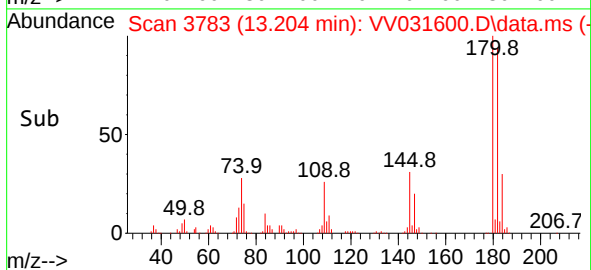
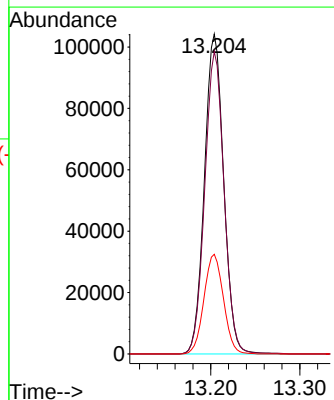
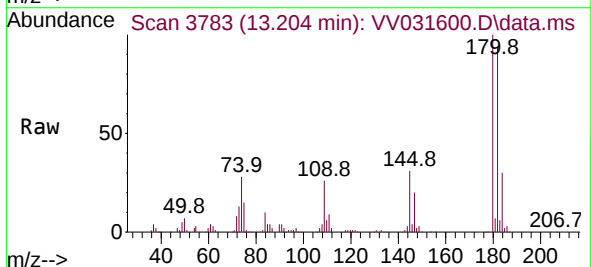
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050378

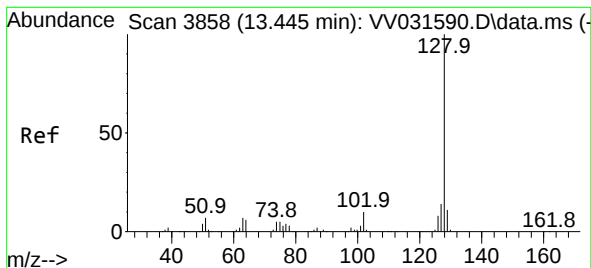
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 177654     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 95.5  | 76.6 115.0 |
| 184         | 31.1  | 24.7 37.1  |
| 145         | 31.9  | 25.2 37.8  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 48.046 ug/L  
 RT: 13.204 min Scan# 3783  
 Delta R.T. 0.000 min  
 Lab File: VV031600.D  
 Acq: 21 Jun 2023 11:38

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 156273     |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.7  | 77.7 116.5 |
| 145         | 31.5  | 26.1 39.1  |





#71

Naphthalene

Concen: 47.187 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Instrument :

MSVOA\_V

ClientSampleId :

VSTD050378

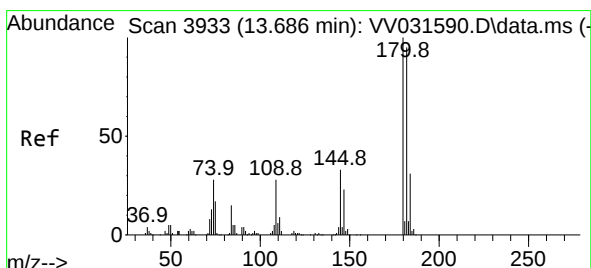
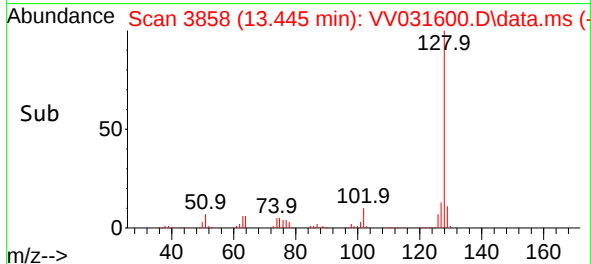
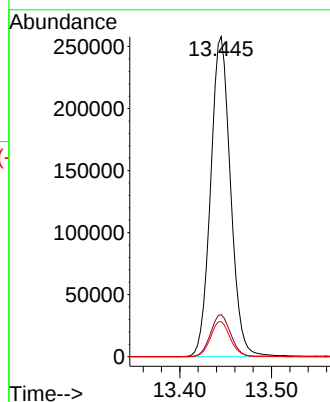
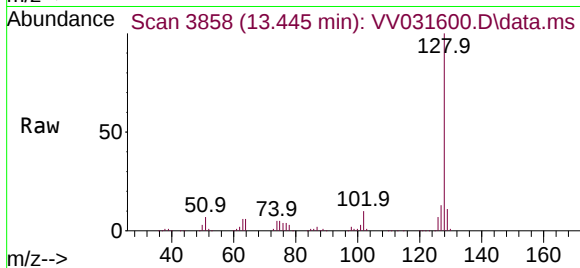
Tgt Ion:128 Resp: 388755

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 48.342 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031600.D

Acq: 21 Jun 2023 11:38

Tgt Ion:180 Resp: 163396

Ion Ratio Lower Upper

180 100

182 94.6 74.0 111.0

145 33.7 26.2 39.2

