

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091123\  
 Data File : VV032013.D  
 Acq On : 11 Sep 2023 09:06  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 12 05:58:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 09 21:51:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 126366   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 124657   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 69700    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 23536    | 5.515    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 110.200% |
| 7) Chloroethane-d5            | 1.532  | 69    | 28481    | 5.825    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 116.600% |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 13270    | 5.283    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 105.600% |
| 20) 2-Butanone-d5             | 3.802  | 46    | 119294   | 57.741   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 115.480% |
| 24) Chloroform-d              | 4.252  | 84    | 69683    | 4.824    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 34927    | 4.692    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.800%  |
| 32) Benzene-d6                | 4.963  | 84    | 137188   | 4.836    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 47150    | 4.714    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 119773   | 4.550    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 13608    | 3.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 74.600%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 90196    | 46.380   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84    | 33690    | 4.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 43565    | 3.860    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 77.200%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 29533    | 4.092    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 34135    | 4.414    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.281  | 62    | 34808    | 4.392    | ug/L   | 97       |
| 6) Bromomethane               | 1.487  | 94    | 19280    | 3.893    | ug/L   | 97       |
| 8) Chloroethane               | 1.548  | 64    | 22905    | 4.525    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 45354    | 4.437    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 28483    | 4.672    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 25021    | 4.398    | ug/L   | 96       |
| 13) Acetone                   | 2.127  | 43    | 70085    | 57.571   | ug/L   | 73       |
| 14) Carbon disulfide          | 2.240  | 76    | 64080    | 4.004    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.384  | 43    | 15592    | 6.285    | ug/L   | 99       |
| 16) Methylene chloride        | 2.449  | 84    | 32770    | 3.542    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 86774    | 4.917    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 28763    | 4.461    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 66104    | 4.977    | ug/L   | 99       |
| 21) 2-Butanone                | 3.883  | 43    | 110540   | 64.107   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 36088    | 4.858    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.153  | 128   | 14925    | 5.064    | ug/L   | 92       |
| 25) Chloroform                | 4.278  | 83    | 64907    | 4.795    | ug/L   | 100      |

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 Acq On : 11 Sep 2023 09:06  
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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 12 05:58:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 09 21:51:31 2023  
 Response via : Initial Calibration

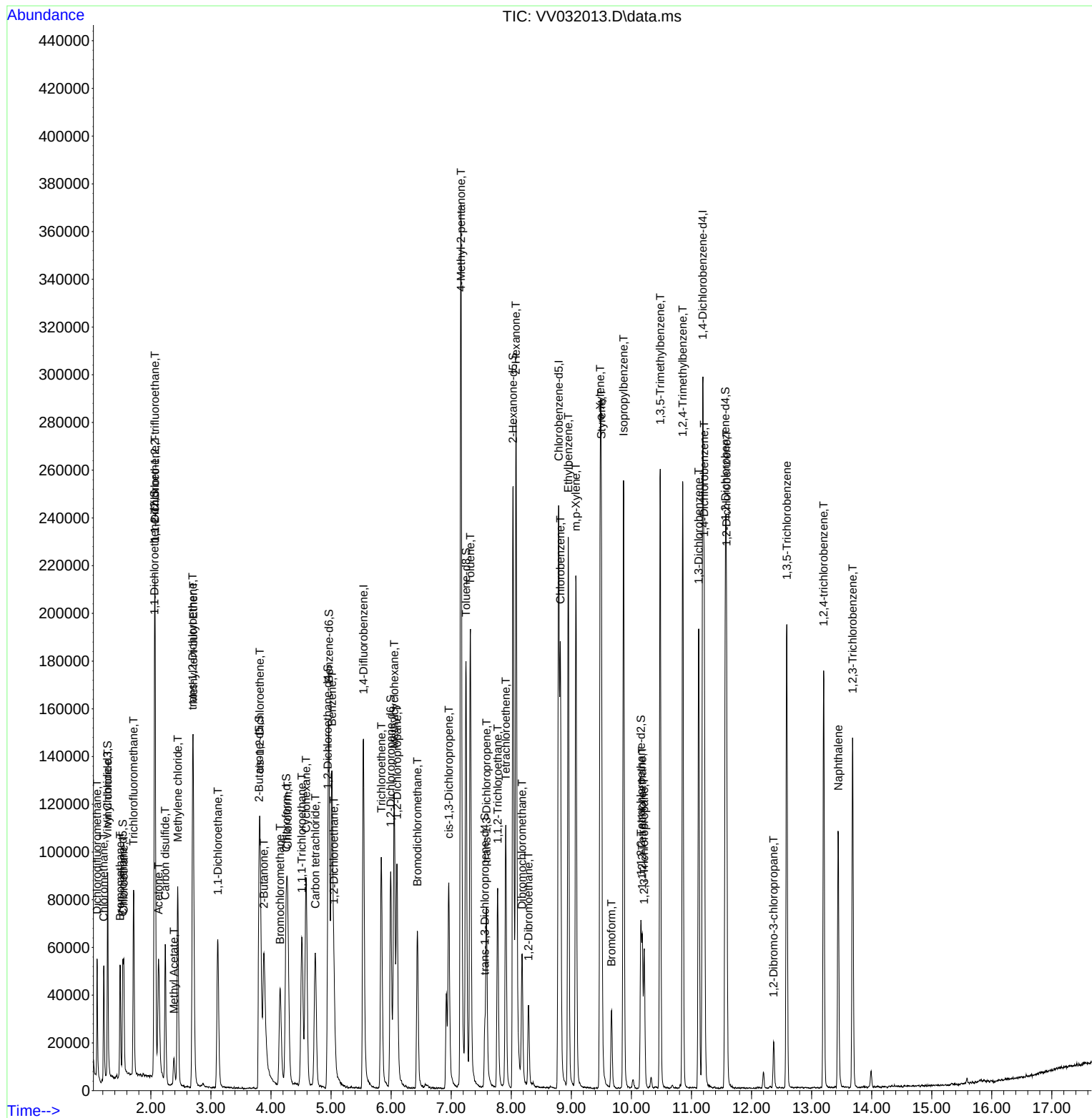
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 39265    | 4.850  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 53316    | 4.428  | ug/L   | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 51258    | 4.142  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 43079    | 4.424  | ug/L   | 96       |
| 33) Benzene                   | 5.014  | 78   | 135146   | 4.706  | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 35002    | 4.171  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.053  | 83   | 49831    | 4.079  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 36657    | 4.633  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 46961    | 4.586  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 56364    | 4.683  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 268036   | 54.056 | ug/L   | 99       |
| 42) Toluene                   | 7.320  | 91   | 142090   | 4.454  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 45478    | 4.526  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 25982    | 4.588  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.908  | 164  | 23682    | 4.417  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 196708   | 53.098 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.181  | 129  | 27473    | 4.656  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 23775    | 4.643  | ug/L   | 98       |
| 51) Chlorobenzene             | 8.818  | 112  | 92764    | 4.592  | ug/L   | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 162784   | 4.439  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 58300    | 4.220  | ug/L   | 95       |
| 54) o-Xylene                  | 9.480  | 106  | 56909    | 4.263  | ug/L   | 96       |
| 55) Styrene                   | 9.500  | 104  | 102698   | 4.460  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 30259    | 5.278  | ug/L   | 99       |
| 59) Bromoform                 | 9.667  | 173  | 14311    | 4.346  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 160347   | 4.139  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 23807    | 4.637  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 133916   | 4.032  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 133487   | 4.091  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 72831    | 4.245  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 74296    | 4.215  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 67799    | 4.317  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 4907     | 4.220  | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 53885    | 4.224  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 48042    | 4.132  | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 81473    | 3.720  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 41343    | 4.223  | ug/L   | 99       |

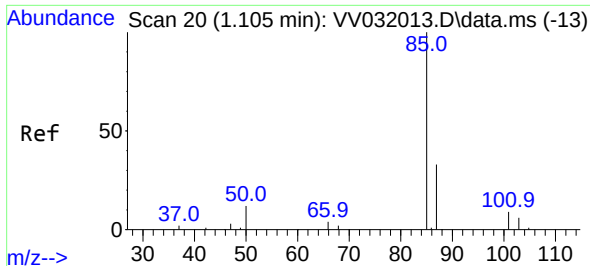
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV091123\  
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 Acq On : 11 Sep 2023 09:06  
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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 12 05:58:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
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 QLast Update : Sat Sep 09 21:51:31 2023  
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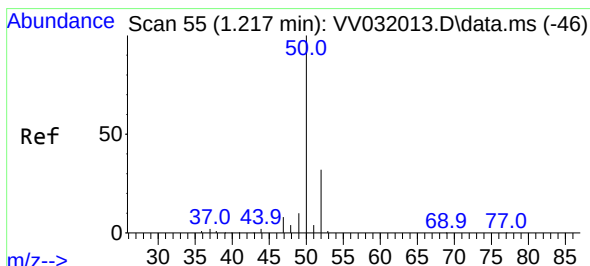
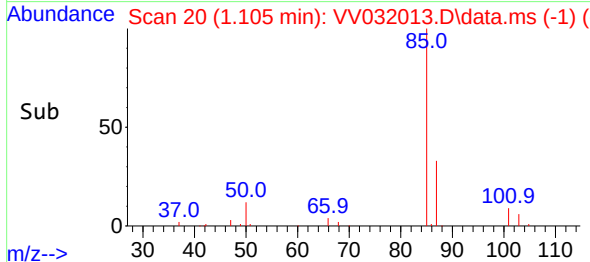
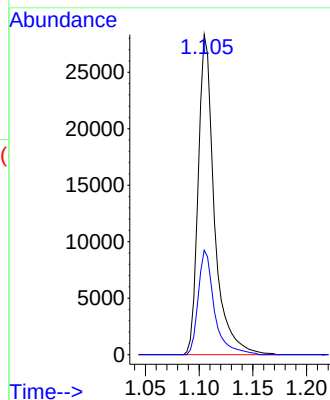
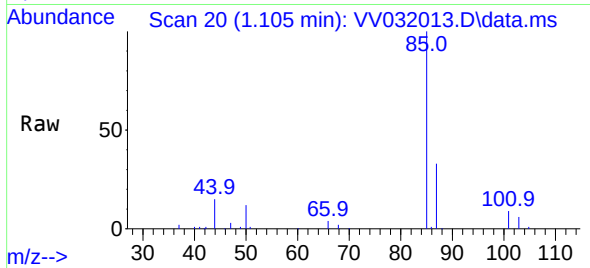




#2  
 Dichlorodifluoromethane  
 Concen: 4.092 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VV032013.D  
 Acq: 11 Sep 2023 09:06

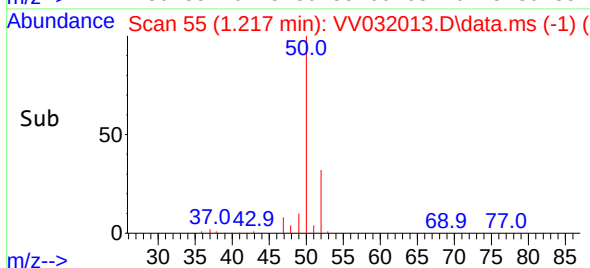
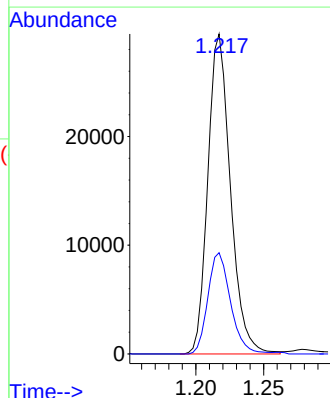
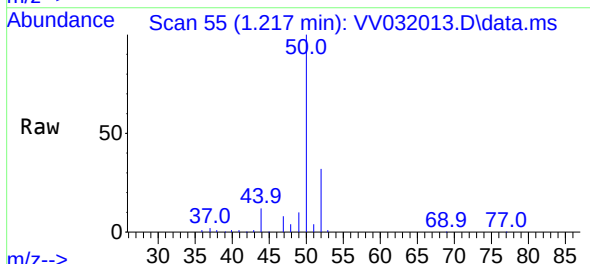
Instrument :  
 MSVOA\_V  
 ClientSampleId :

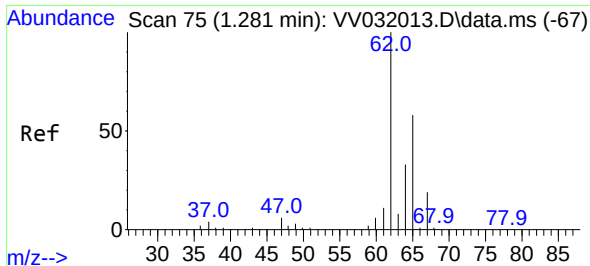
Tgt Ion: 85 Resp: 29533  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.7 38.5



#3  
 Chloromethane  
 Concen: 4.414 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV032013.D  
 Acq: 11 Sep 2023 09:06

Tgt Ion: 50 Resp: 34135  
 Ion Ratio Lower Upper  
 50 100  
 52 31.7 23.3 43.3

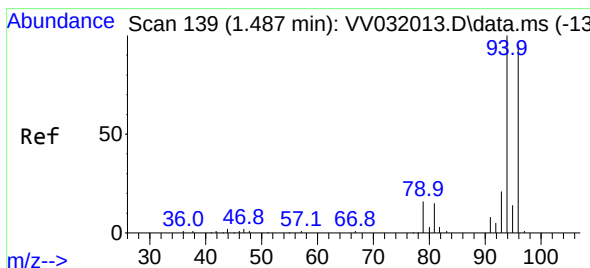
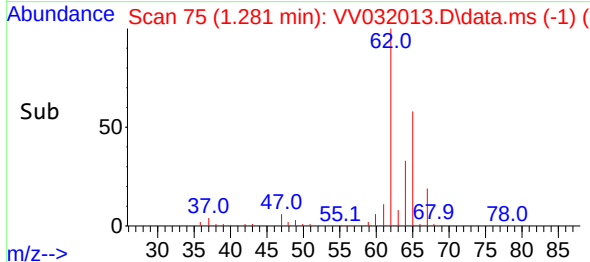
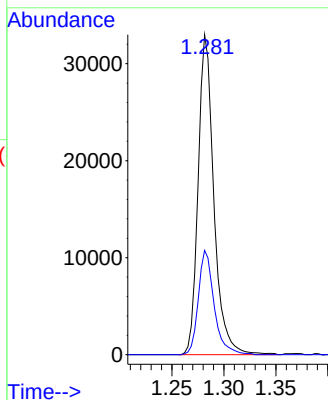
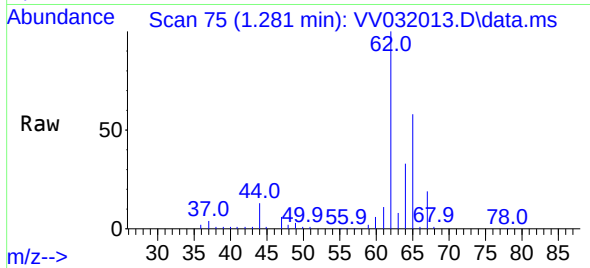




#5  
Vinyl chloride  
Concen: 4.392 ug/L  
RT: 1.281 min Scan# 75  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

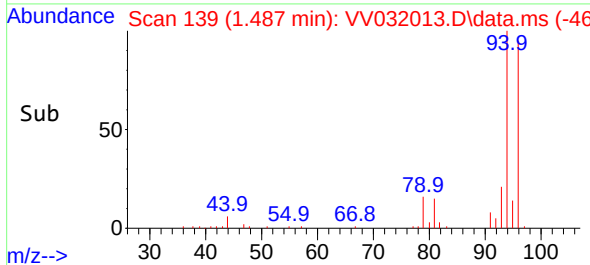
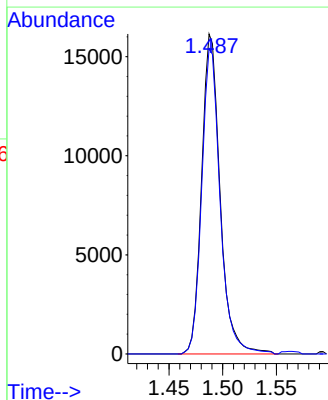
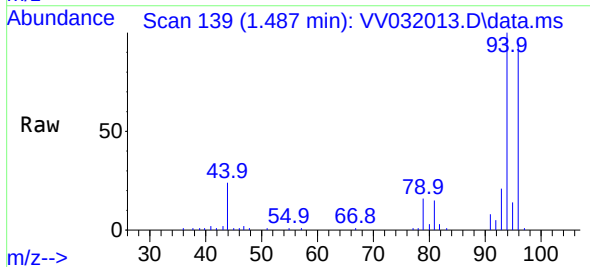
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MSVOA\_V  
ClientSampleId :

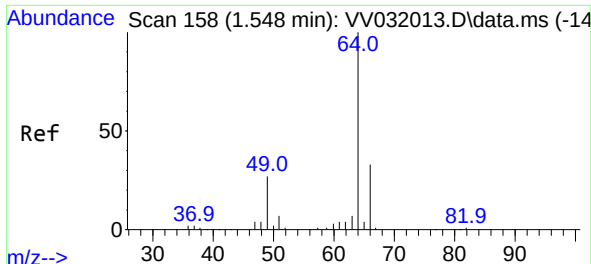
Tgt Ion: 62 Resp: 34808  
Ion Ratio Lower Upper  
62 100  
64 32.6 21.7 40.3



#6  
Bromomethane  
Concen: 3.893 ug/L  
RT: 1.487 min Scan# 139  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 94 Resp: 19280  
Ion Ratio Lower Upper  
94 100  
96 95.4 65.0 120.8

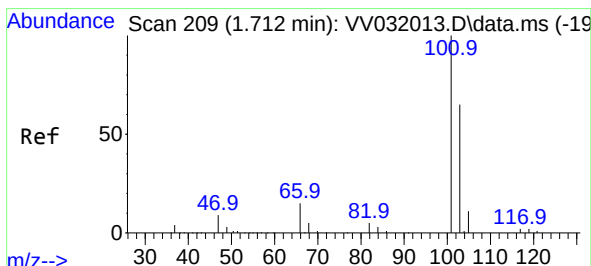
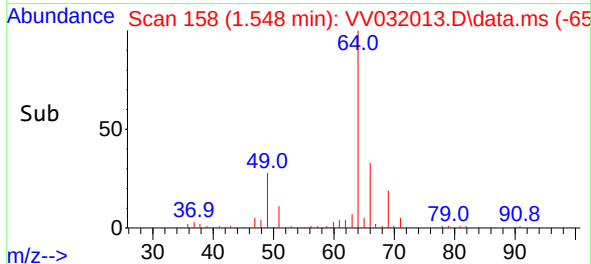
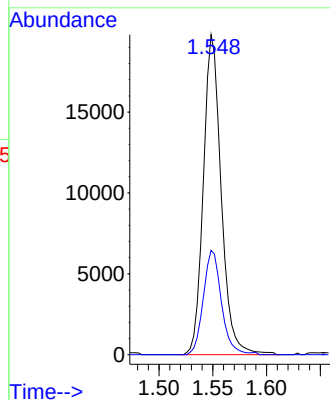
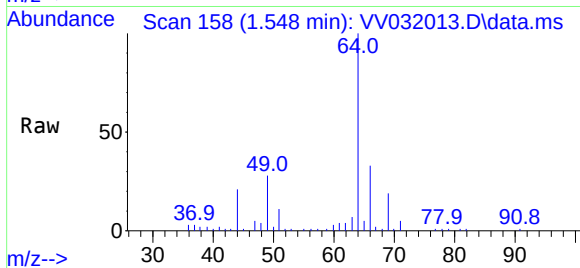




#8  
Chloroethane  
Concen: 4.525 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

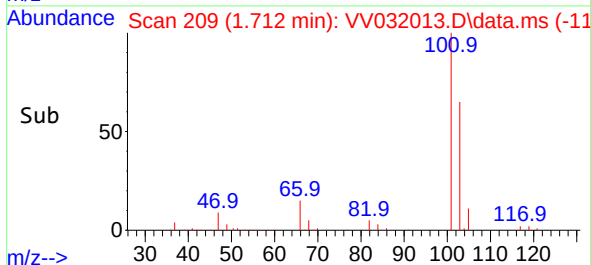
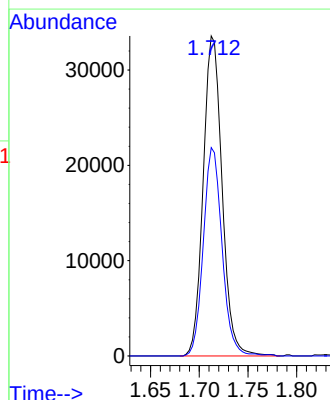
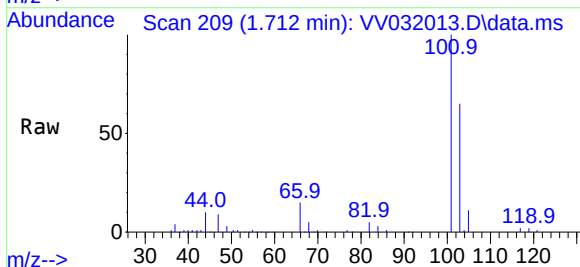
Instrument :  
MSVOA\_V  
ClientSampleId :

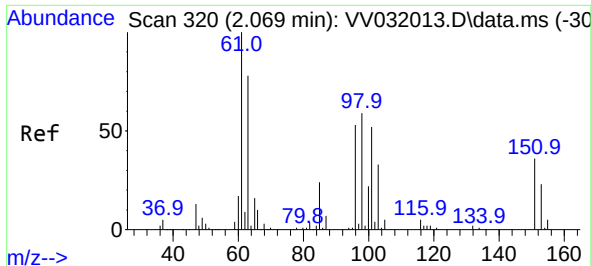
Tgt Ion: 64 Resp: 22905  
Ion Ratio Lower Upper  
64 100  
66 32.6 22.8 42.4



#9  
Trichlorofluoromethane  
Concen: 4.437 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:101 Resp: 45354  
Ion Ratio Lower Upper  
101 100  
103 64.2 50.5 75.7

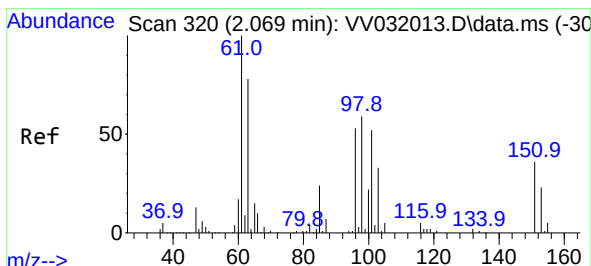
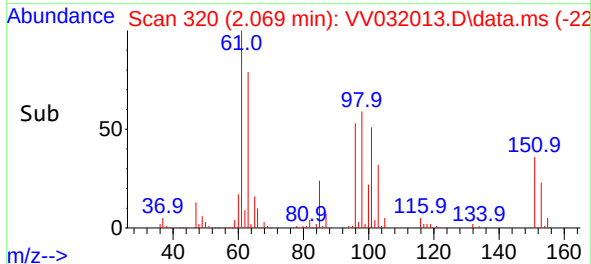
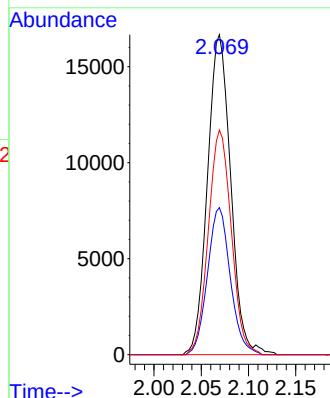
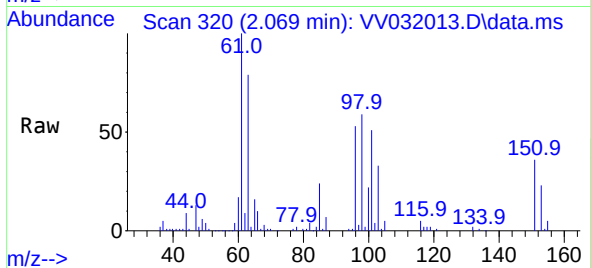




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.672 ug/L  
 RT: 2.069 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV032013.D  
 Acq: 11 Sep 2023 09:06

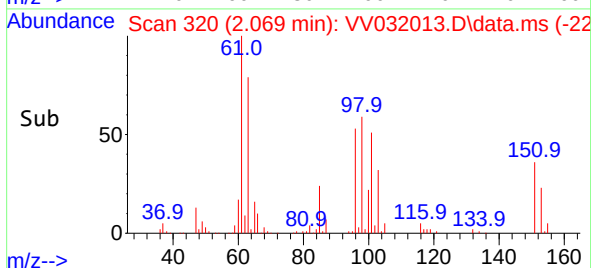
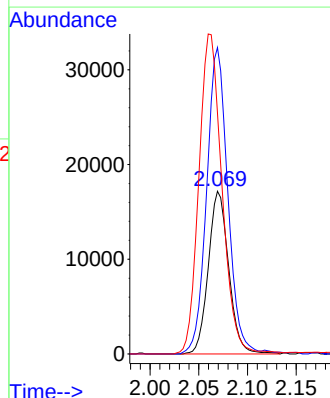
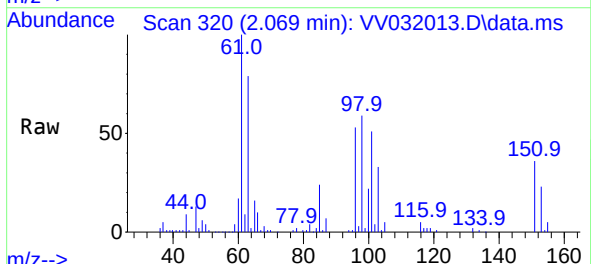
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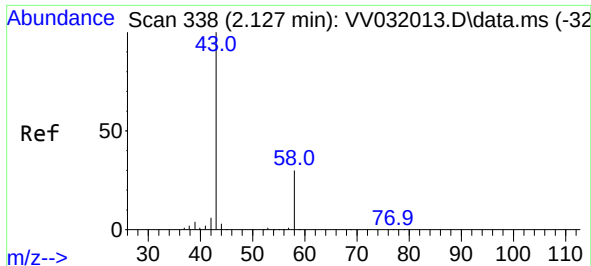
Tgt Ion:101 Resp: 28483  
 Ion Ratio Lower Upper  
 101 100  
 85 45.2 38.3 57.5  
 151 69.4 58.5 87.7



#12  
 1,1-Dichloroethene  
 Concen: 4.398 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. 0.000 min  
 Lab File: VV032013.D  
 Acq: 11 Sep 2023 09:06

Tgt Ion: 96 Resp: 25021  
 Ion Ratio Lower Upper  
 96 100  
 61 188.3 129.0 239.6  
 63 148.0 99.0 183.8





#13

Acetone

Concen: 57.571 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

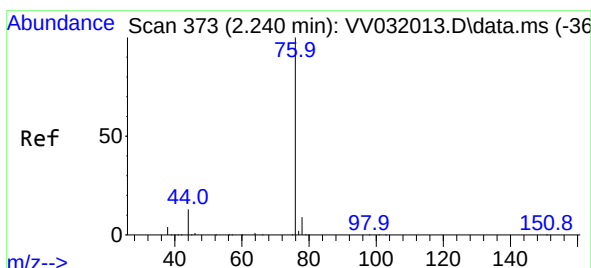
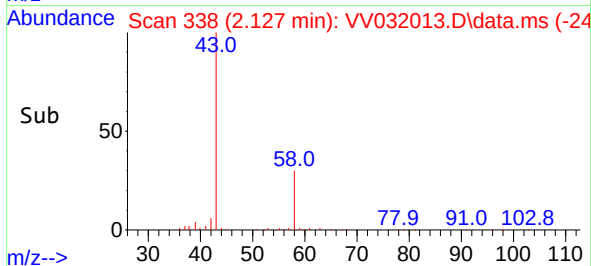
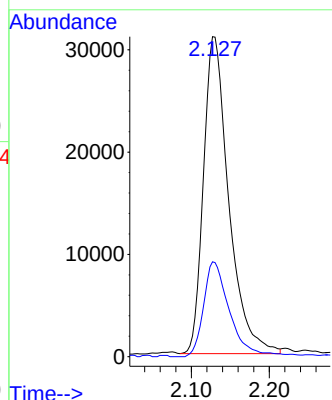
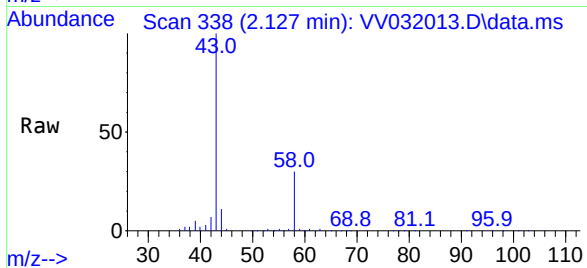
ClientSampleId :

Tgt Ion: 43 Resp: 70085

Ion Ratio Lower Upper

43 100

58 30.6 0.0 37.0



#14

Carbon disulfide

Concen: 4.004 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV032013.D

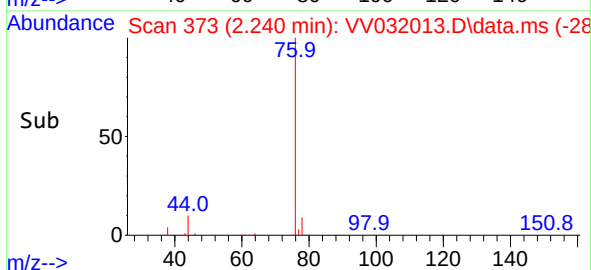
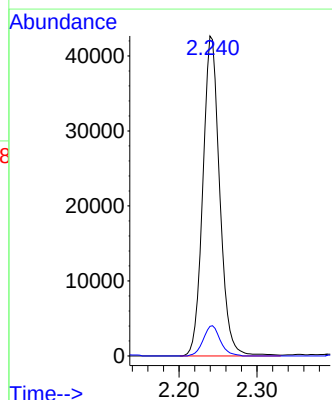
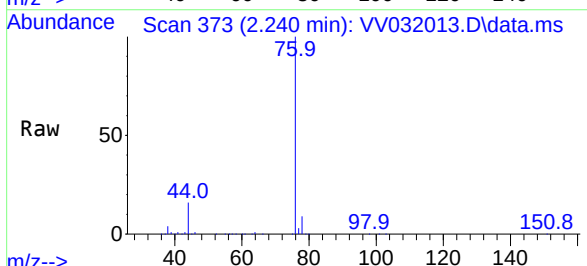
Acq: 11 Sep 2023 09:06

Tgt Ion: 76 Resp: 64080

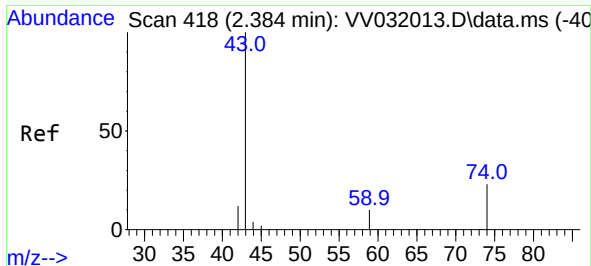
Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



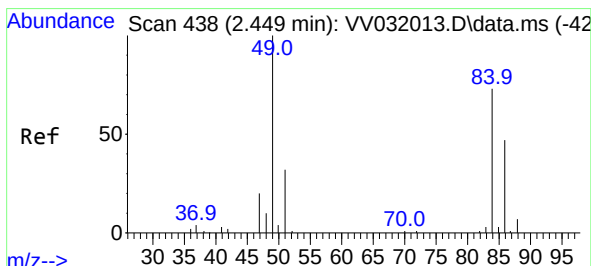
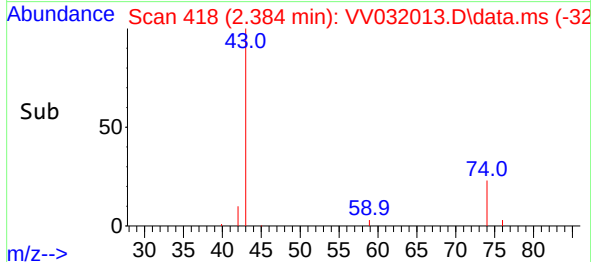
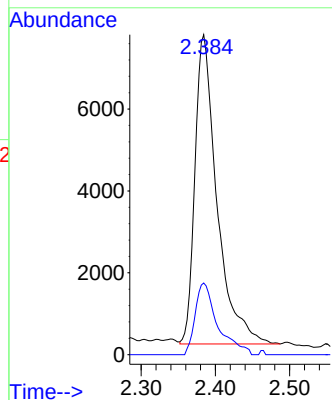
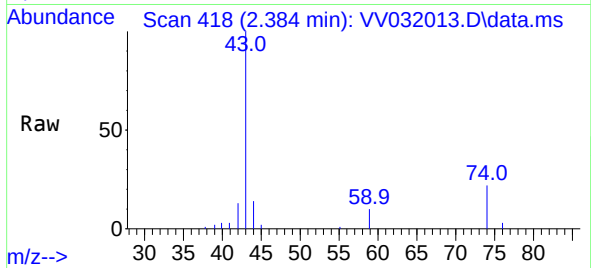




#15  
Methyl Acetate  
Concen: 6.285 ug/L  
RT: 2.384 min Scan# 418  
Delta R.T. 0.003 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

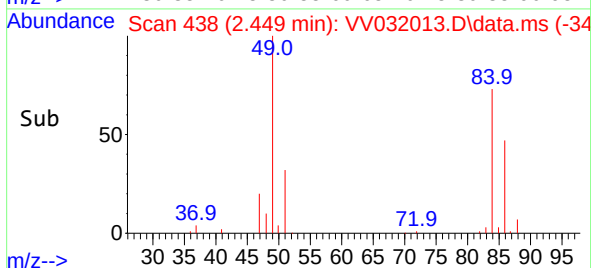
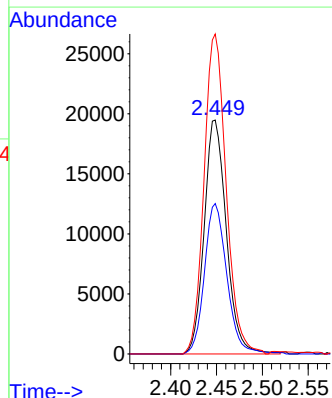
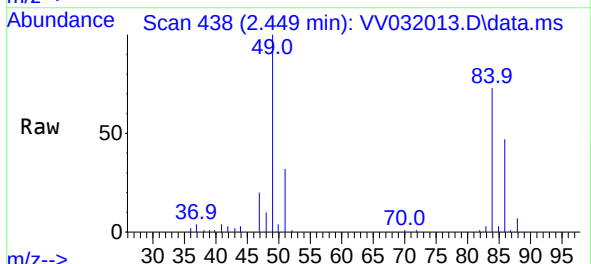
Instrument :  
MSVOA\_V  
ClientSampleId :

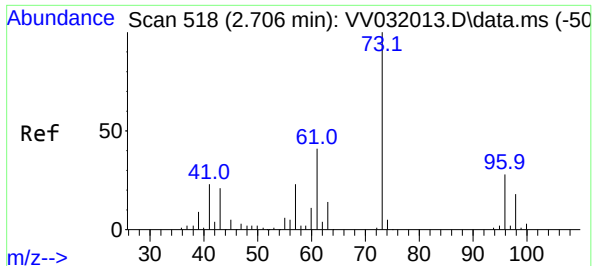
Tgt Ion: 43 Resp: 15592  
Ion Ratio Lower Upper  
43 100  
74 23.6 18.3 27.5



#16  
Methylene chloride  
Concen: 3.542 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 84 Resp: 32770  
Ion Ratio Lower Upper  
84 100  
86 64.3 42.6 79.2  
49 136.8 88.5 164.4

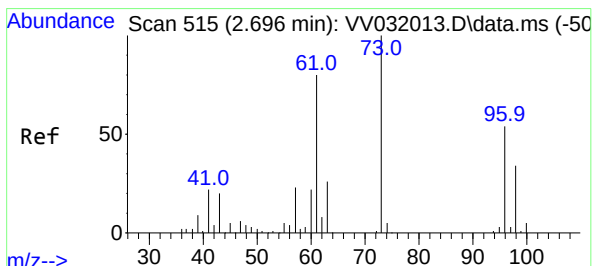
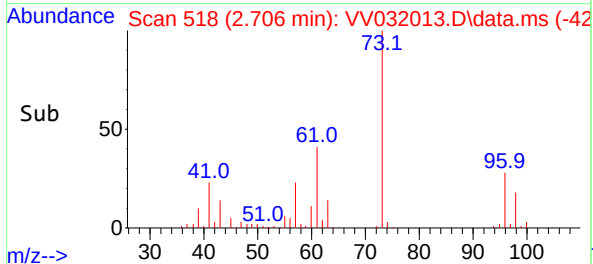
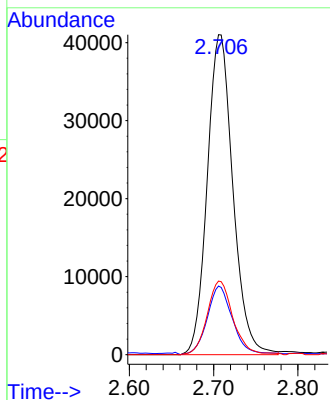
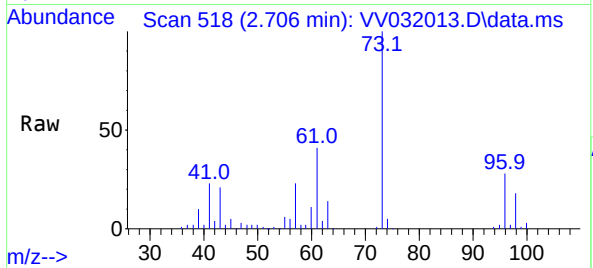




#17  
Methyl tert-butyl Ether  
Concen: 4.917 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

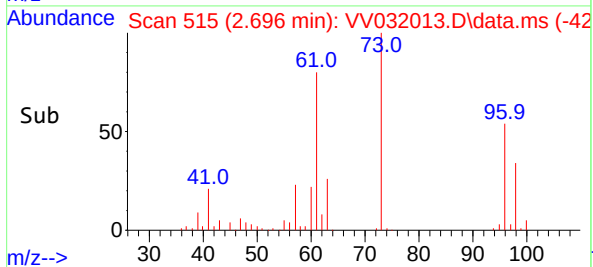
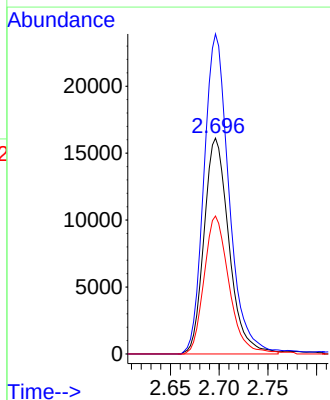
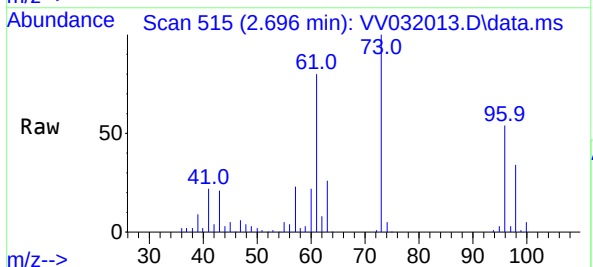
Instrument :  
MSVOA\_V  
ClientSampleId :

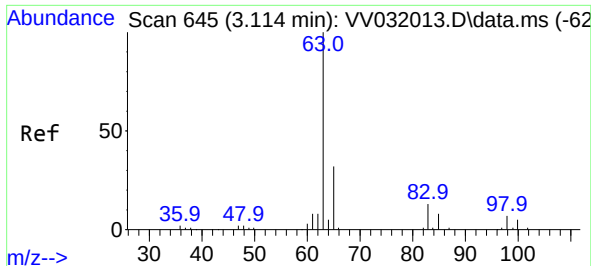
Tgt Ion: 73 Resp: 86774  
Ion Ratio Lower Upper  
73 100  
43 21.3 15.6 23.4  
57 22.9 17.8 26.8



#18  
trans-1,2-Dichloroethene  
Concen: 4.461 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 96 Resp: 28763  
Ion Ratio Lower Upper  
96 100  
61 148.3 106.8 198.4  
98 64.0 44.9 83.3

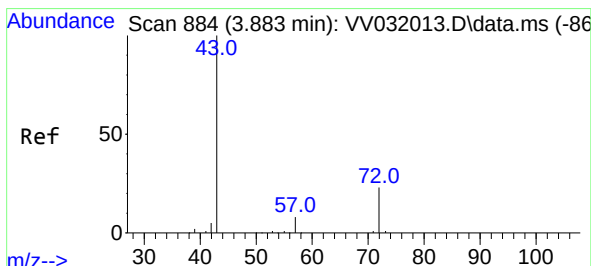
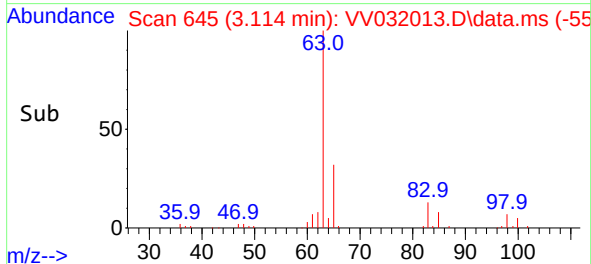
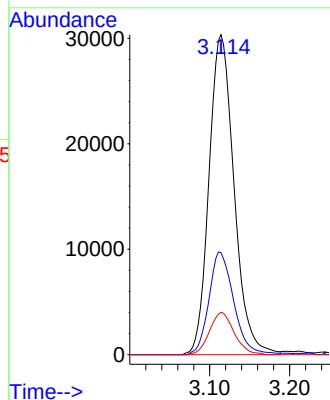
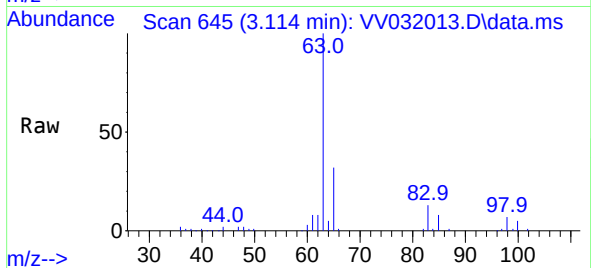




#19  
1,1-Dichloroethane  
Concen: 4.977 ug/L  
RT: 3.114 min Scan# 645  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

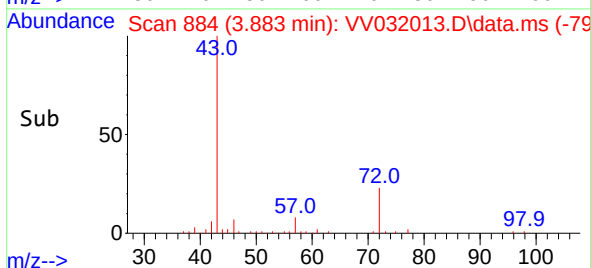
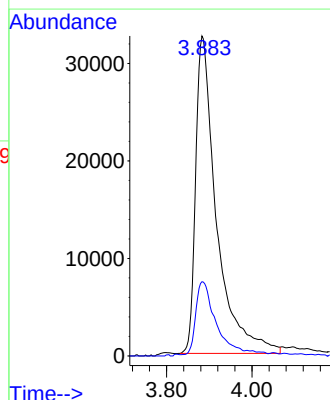
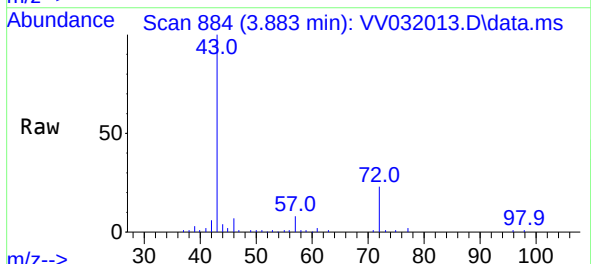
Instrument :  
MSVOA\_V  
ClientSampleId :

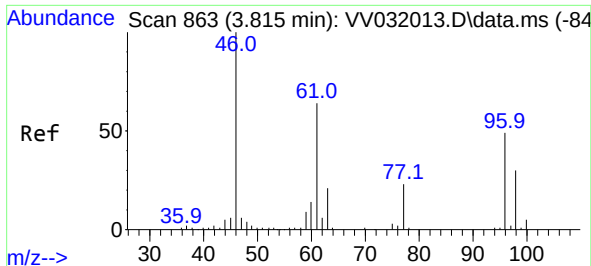
Tgt Ion: 63 Resp: 66104  
Ion Ratio Lower Upper  
63 100  
65 31.9 21.9 40.7  
83 13.2 9.2 17.2



#21  
2-Butanone  
Concen: 64.107 ug/L  
RT: 3.883 min Scan# 884  
Delta R.T. 0.003 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

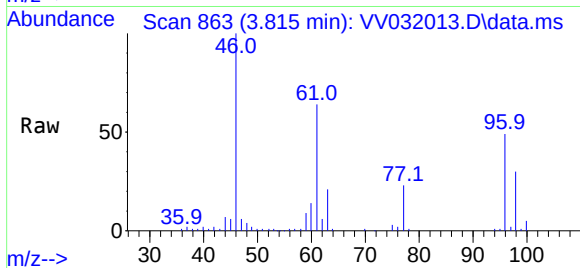
Tgt Ion: 43 Resp: 110540  
Ion Ratio Lower Upper  
43 100  
72 21.5 9.0 27.0



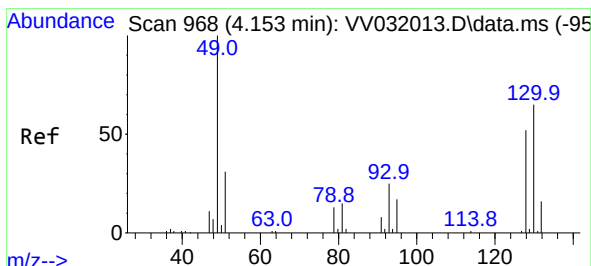
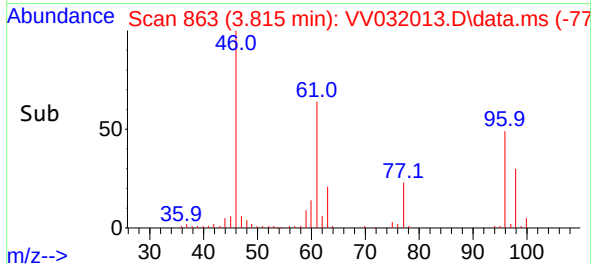
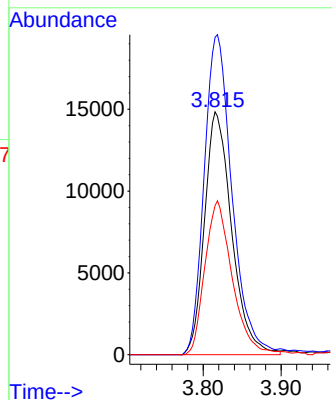


#22  
cis-1,2-Dichloroethene  
Concen: 4.858 ug/L  
RT: 3.815 min Scan# 863  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Instrument :  
MSVOA\_V  
ClientSampleId :

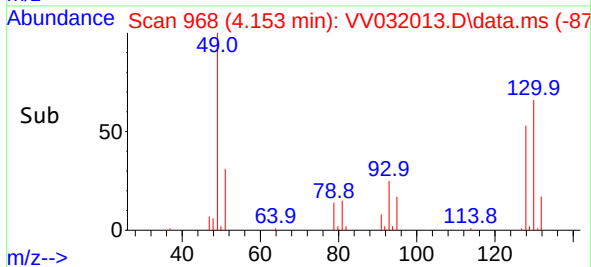
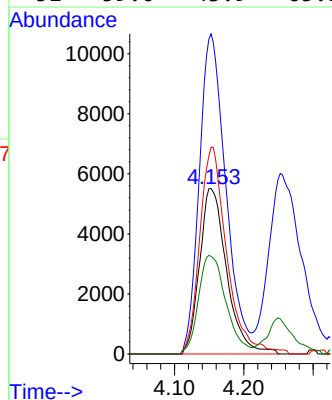
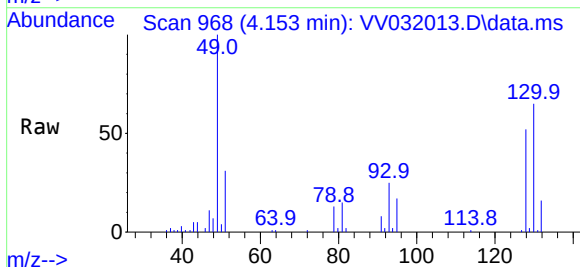


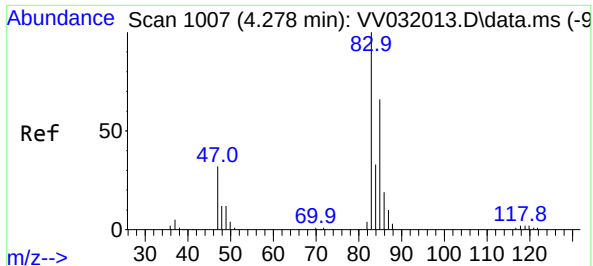
Tgt Ion: 96 Resp: 36088  
Ion Ratio Lower Upper  
96 100  
61 130.6 94.1 174.8  
98 61.4 43.8 81.4



#23  
Bromochloromethane  
Concen: 5.064 ug/L  
RT: 4.153 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 128 Resp: 14925  
Ion Ratio Lower Upper  
128 100  
49 193.4 123.7 229.7  
130 125.0 84.3 156.5  
51 59.0 43.9 65.9





#25

Chloroform

Concen: 4.795 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

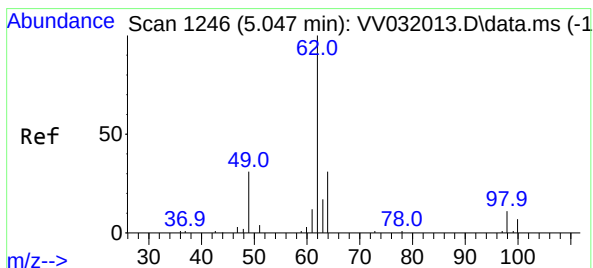
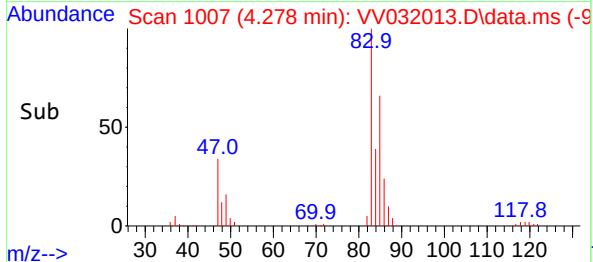
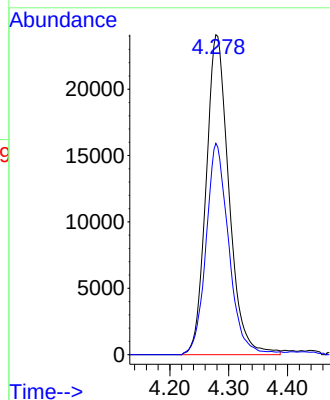
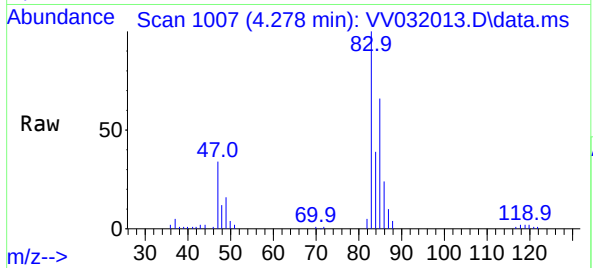
ClientSampleId :

Tgt Ion: 83 Resp: 64907

Ion Ratio Lower Upper

83 100

85 66.1 46.4 86.2



#27

1,2-Dichloroethane

Concen: 4.850 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV032013.D

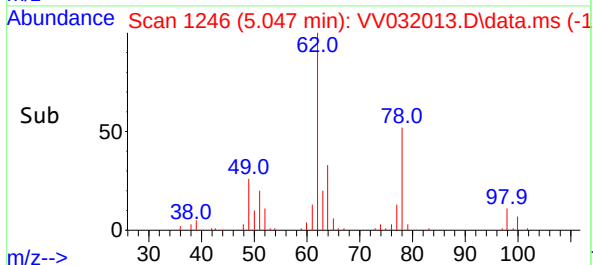
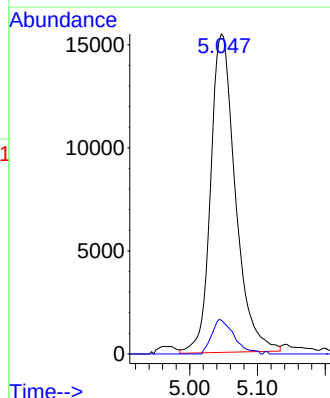
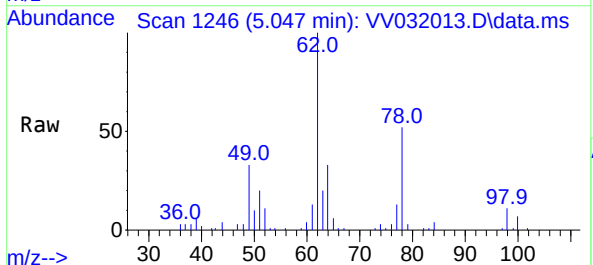
Acq: 11 Sep 2023 09:06

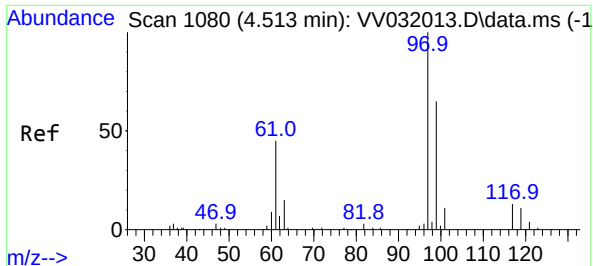
Tgt Ion: 62 Resp: 39265

Ion Ratio Lower Upper

62 100

98 10.5 7.2 10.8

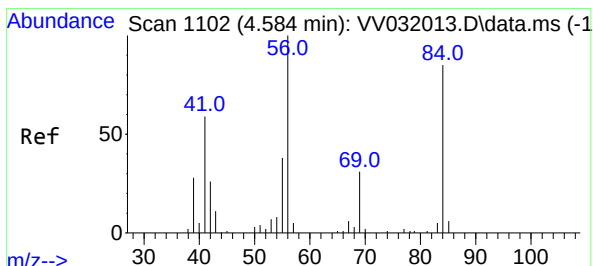
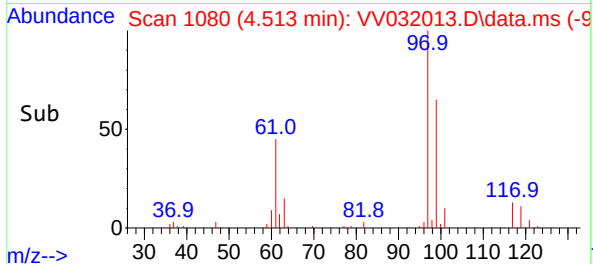
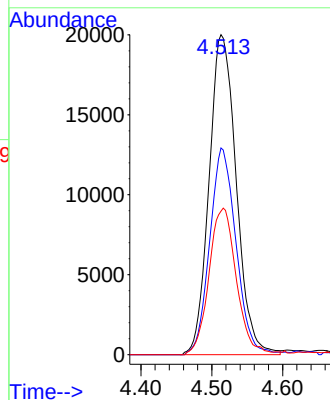
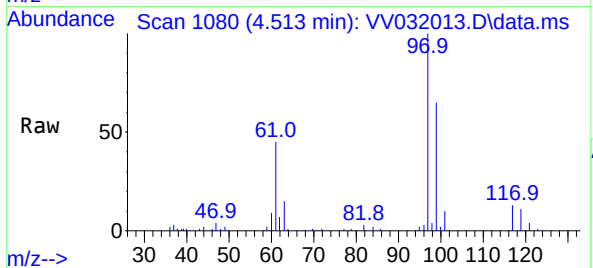




#29  
1,1,1-Trichloroethane  
Concen: 4.428 ug/L  
RT: 4.513 min Scan# 1080  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

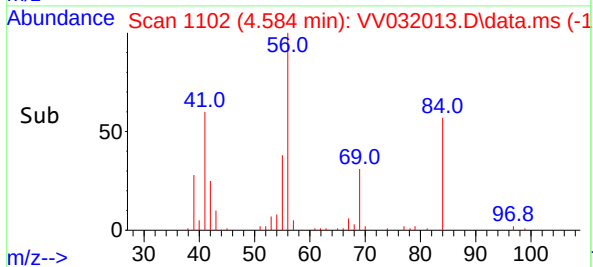
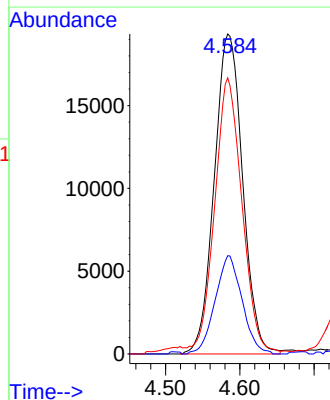
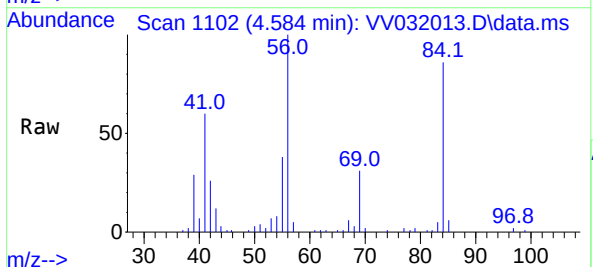
Instrument :  
MSVOA\_V  
ClientSampleId :

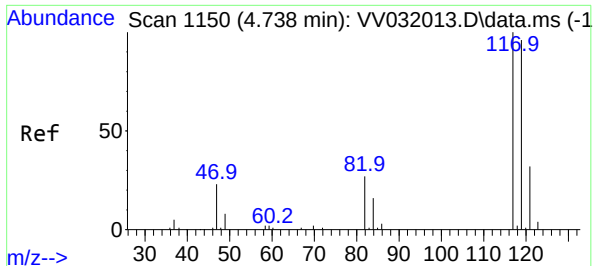
Tgt Ion: 97 Resp: 53316  
Ion Ratio Lower Upper  
97 100  
99 62.5 51.1 76.7  
61 46.0 35.5 53.3



#30  
Cyclohexane  
Concen: 4.142 ug/L  
RT: 4.584 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 56 Resp: 51258  
Ion Ratio Lower Upper  
56 100  
69 29.2 25.4 38.0  
84 81.1 66.8 100.2

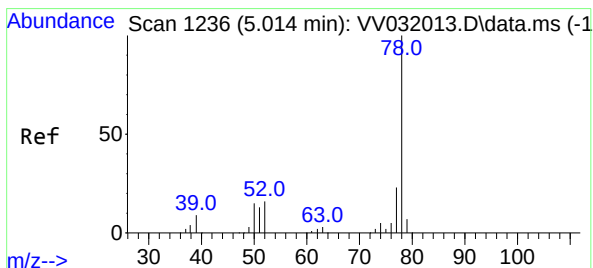
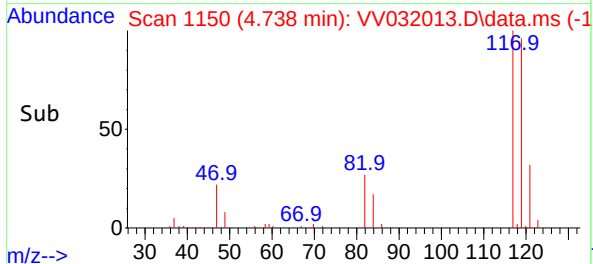
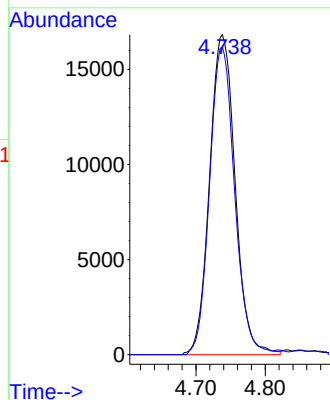
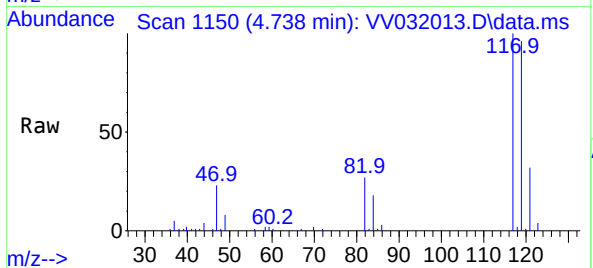




#31  
Carbon tetrachloride  
Concen: 4.424 ug/L  
RT: 4.738 min Scan# 1150  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

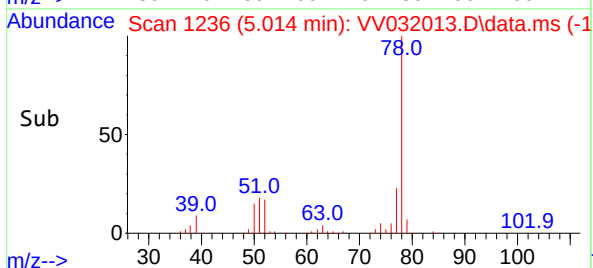
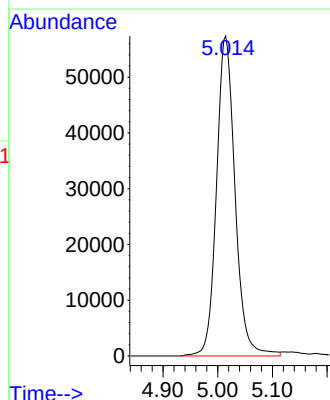
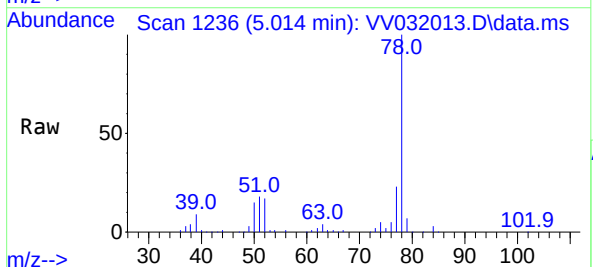
Instrument :  
MSVOA\_V  
ClientSampleId :

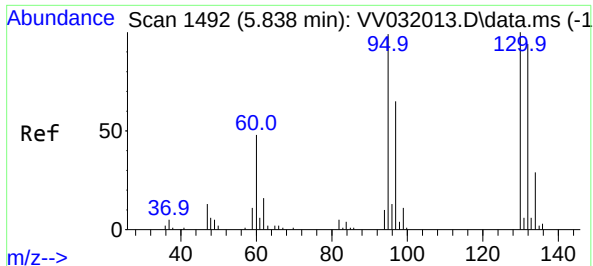
Tgt Ion:117 Resp: 43079  
Ion Ratio Lower Upper  
117 100  
119 94.2 78.4 117.6



#33  
Benzene  
Concen: 4.706 ug/L  
RT: 5.014 min Scan# 1236  
Delta R.T. 0.003 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 78 Resp: 135146



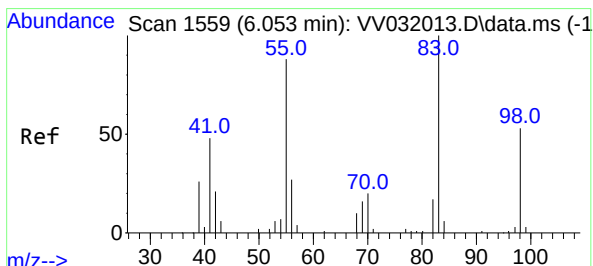
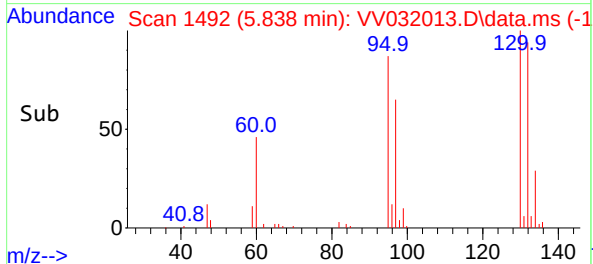
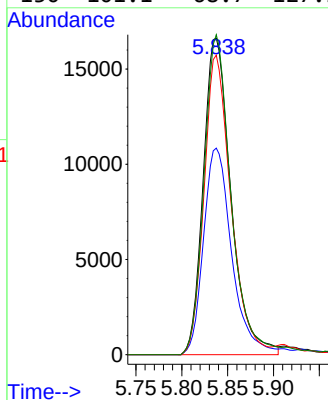
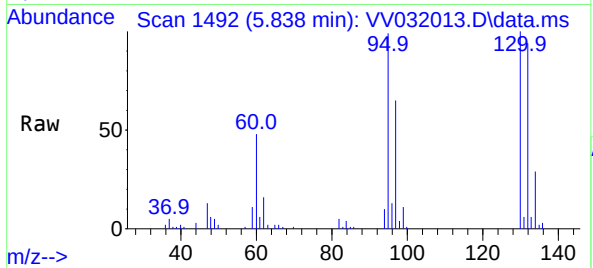


#34  
Trichloroethene  
Concen: 4.171 ug/L  
RT: 5.838 min Scan# 1492  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 35002

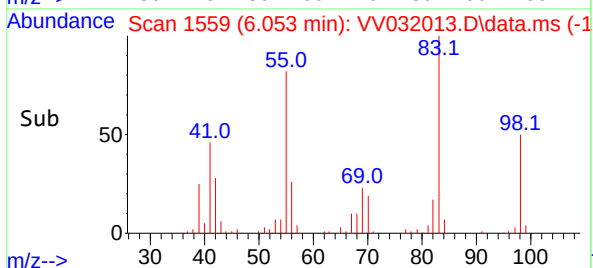
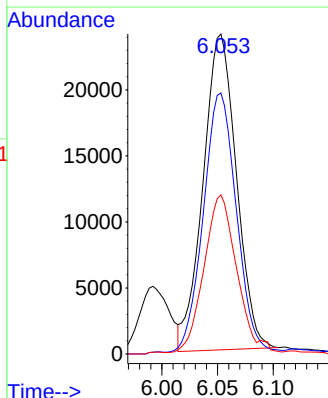
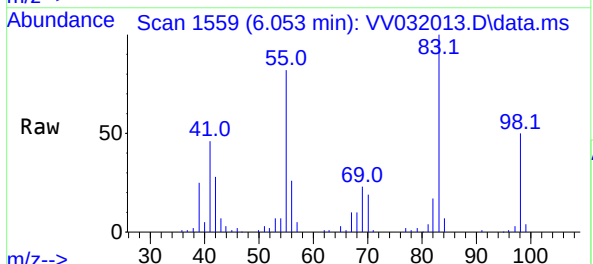
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.2  | 47.7  | 88.7  |
| 132 | 94.6  | 63.8  | 118.4 |
| 130 | 101.1 | 68.7  | 127.5 |



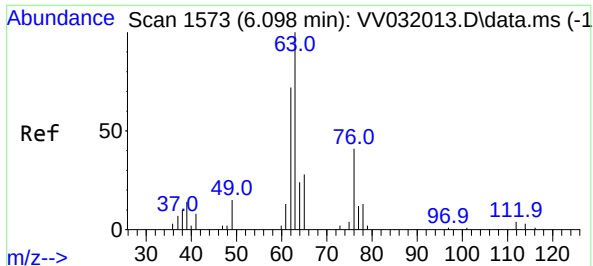
#35  
Methylcyclohexane  
Concen: 4.079 ug/L  
RT: 6.053 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 83 Resp: 49831

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 81.2  | 62.6  | 94.0  |
| 98  | 49.2  | 37.8  | 56.8  |



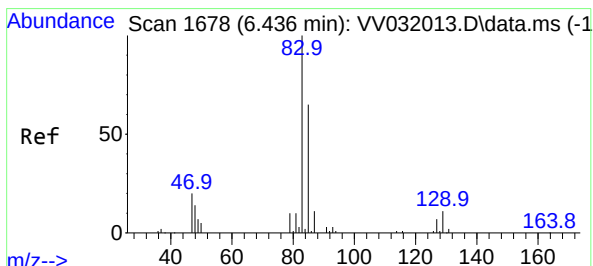
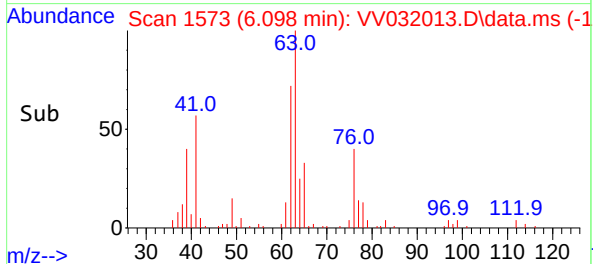
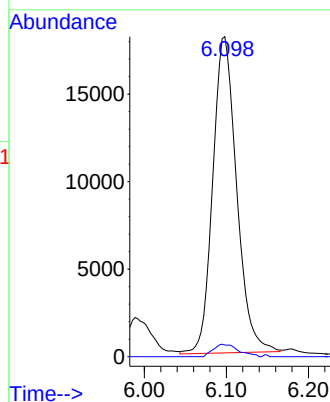
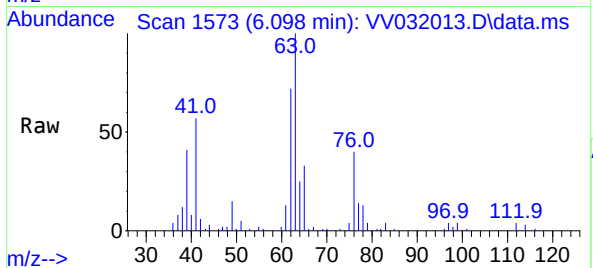




#37  
1,2-Dichloropropane  
Concen: 4.633 ug/L  
RT: 6.098 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

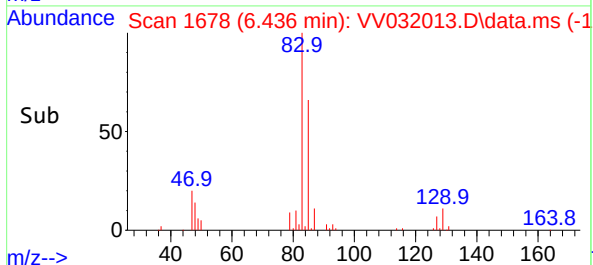
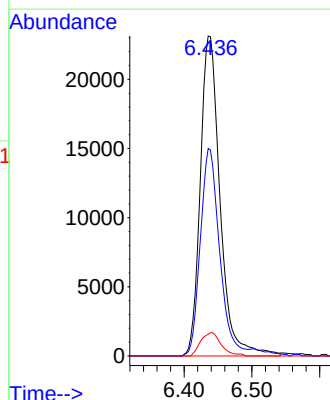
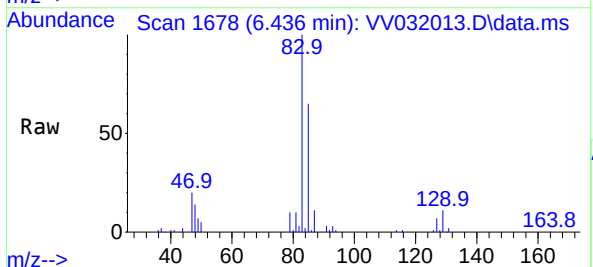
Instrument :  
MSVOA\_V  
ClientSampleId :

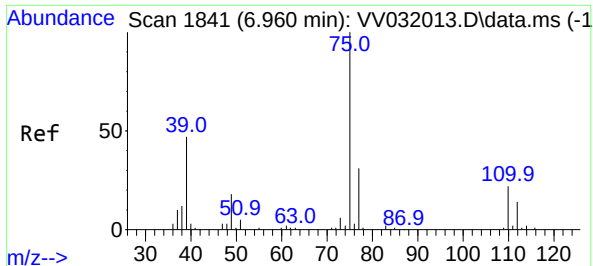
Tgt Ion: 63 Resp: 36657  
Ion Ratio Lower Upper  
63 100  
112 4.1 3.4 5.2



#38  
Bromodichloromethane  
Concen: 4.586 ug/L  
RT: 6.436 min Scan# 1678  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 83 Resp: 46961  
Ion Ratio Lower Upper  
83 100  
85 64.8 44.4 82.4  
127 6.8 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.683 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

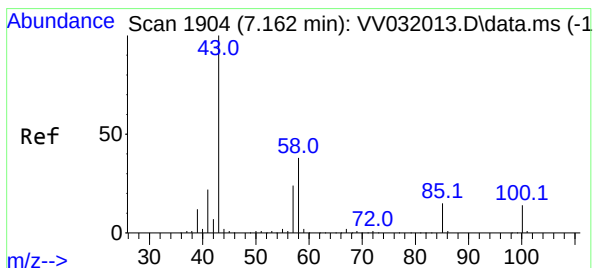
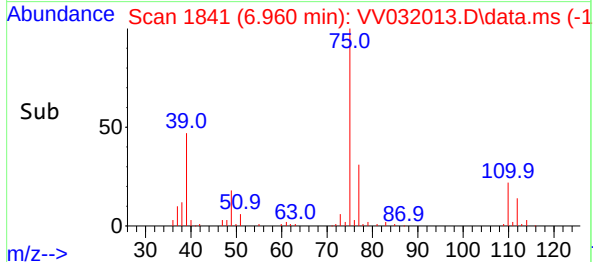
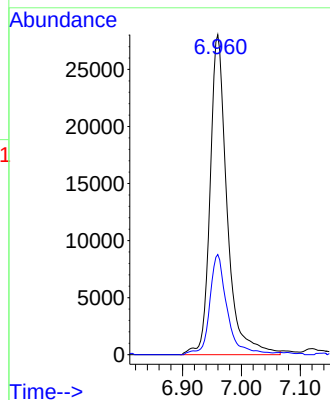
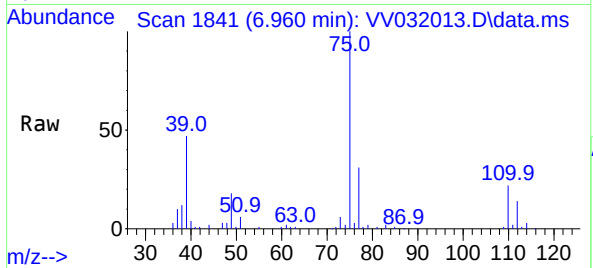
ClientSampleId :

Tgt Ion: 75 Resp: 56364

Ion Ratio Lower Upper

75 100

77 31.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 54.056 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

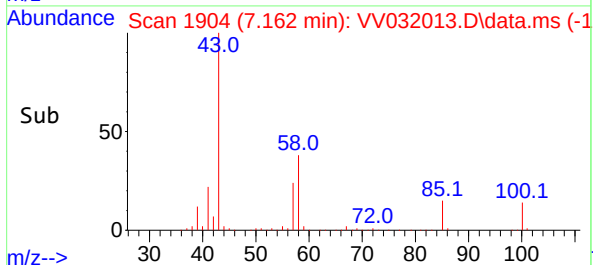
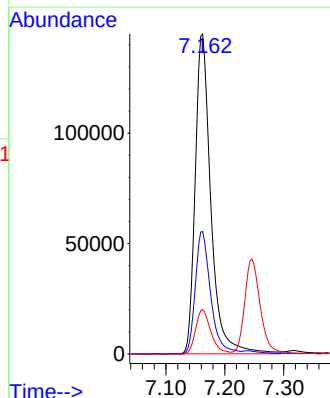
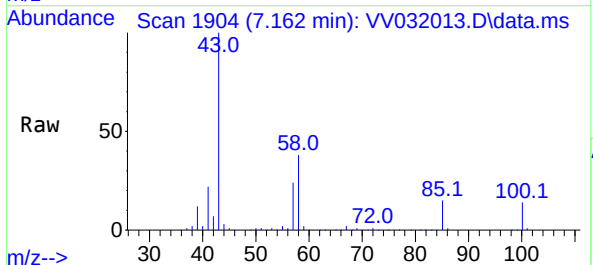
Tgt Ion: 43 Resp: 268036

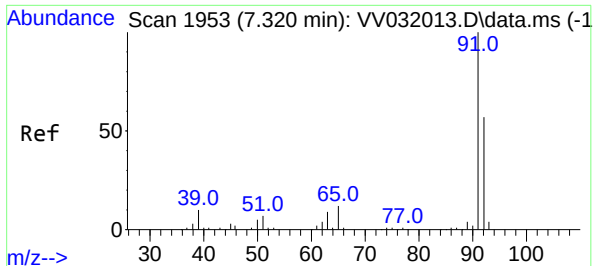
Ion Ratio Lower Upper

43 100

58 37.5 29.0 43.6

100 13.5 10.7 16.1





#42

Toluene

Concen: 4.454 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

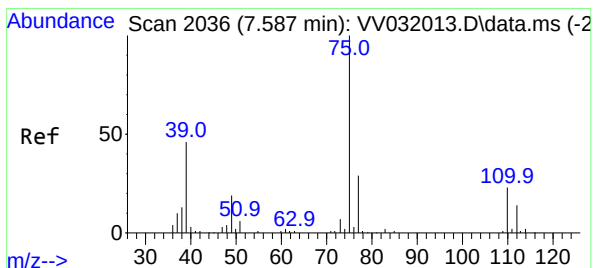
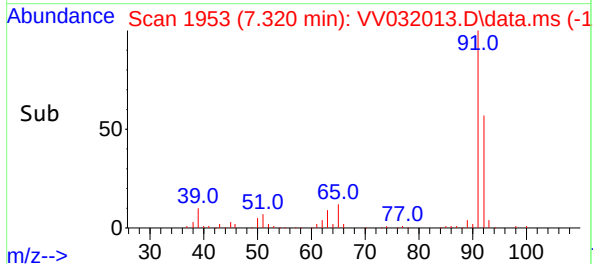
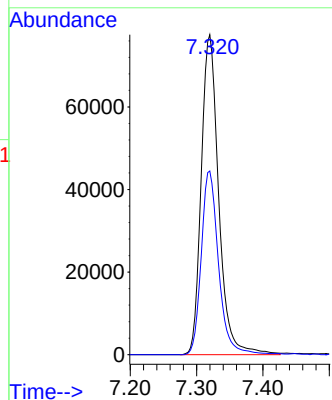
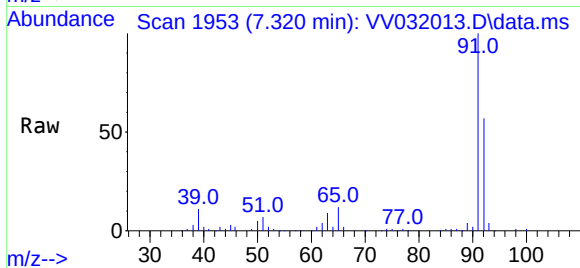
ClientSampleId :

Tgt Ion: 91 Resp: 142090

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.526 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV032013.D

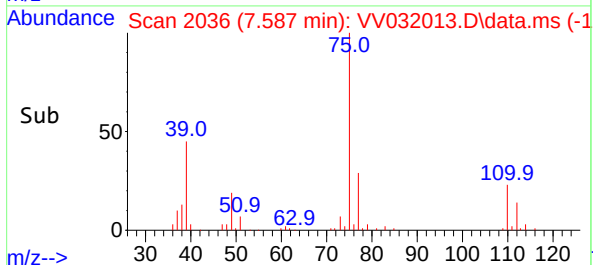
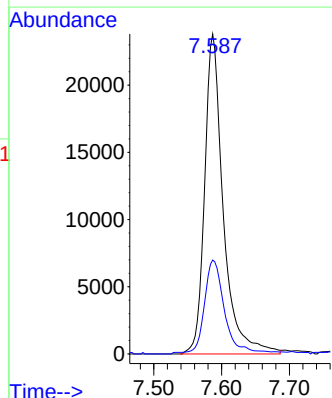
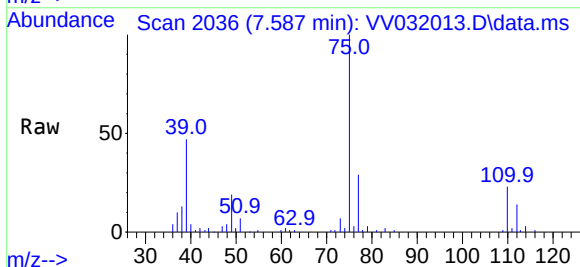
Acq: 11 Sep 2023 09:06

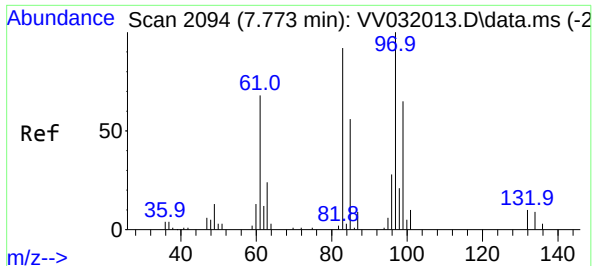
Tgt Ion: 75 Resp: 45478

Ion Ratio Lower Upper

75 100

77 29.3 22.4 41.6



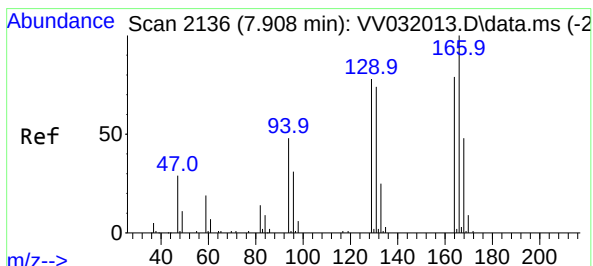
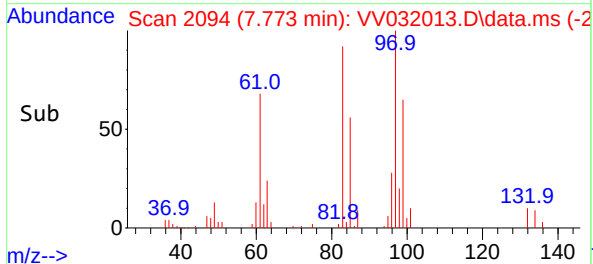
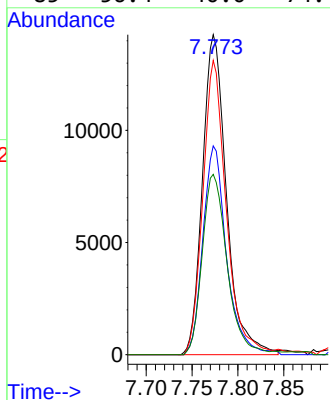
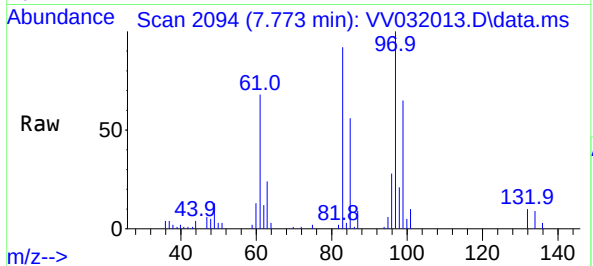


#45  
1,1,2-Trichloroethane  
Concen: 4.588 ug/L  
RT: 7.773 min Scan# 2094  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 25982

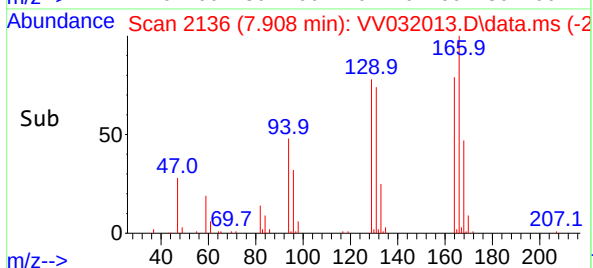
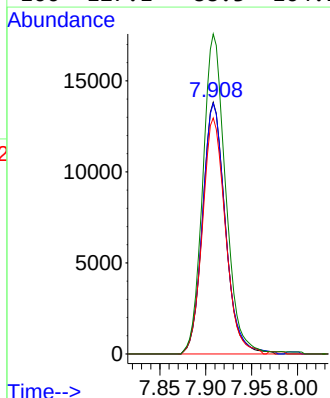
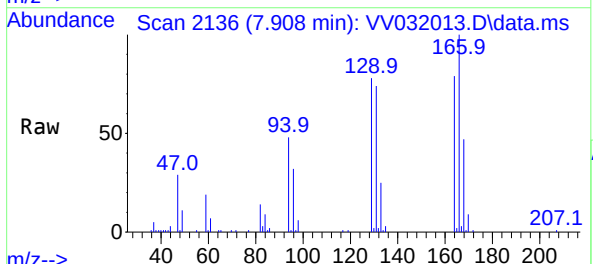
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.3  | 44.3  | 82.3  |
| 83  | 91.9  | 62.7  | 116.5 |
| 85  | 56.4  | 40.0  | 74.4  |

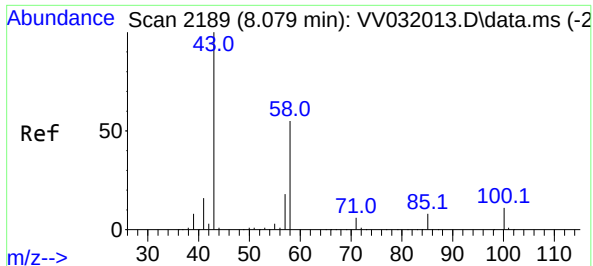


#47  
Tetrachloroethene  
Concen: 4.417 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 164 Resp: 23682

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 99.5  | 70.6  | 131.2 |
| 131 | 93.8  | 64.6  | 120.0 |
| 166 | 127.1 | 88.3  | 164.1 |

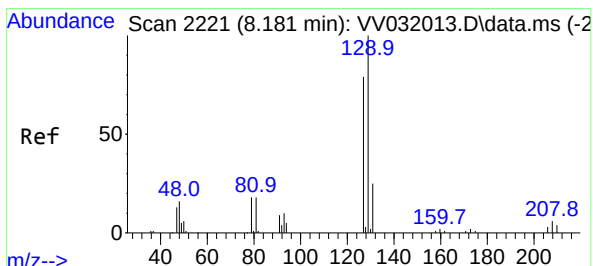
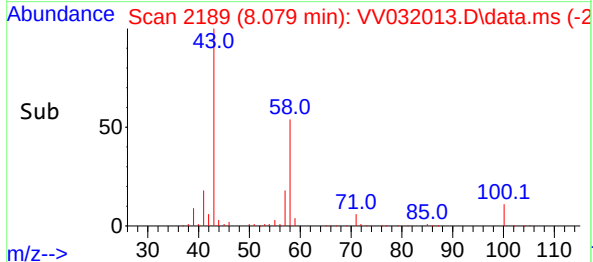
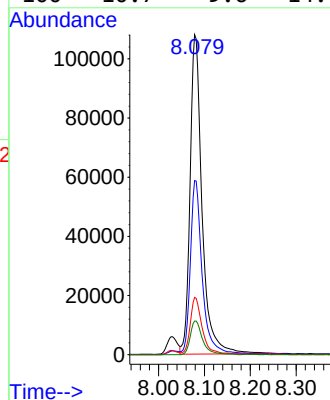
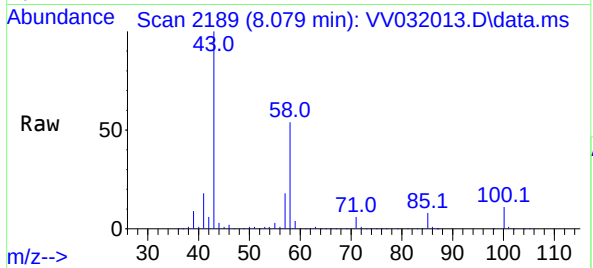




#48  
2-Hexanone  
Concen: 53.098 ug/L  
RT: 8.079 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

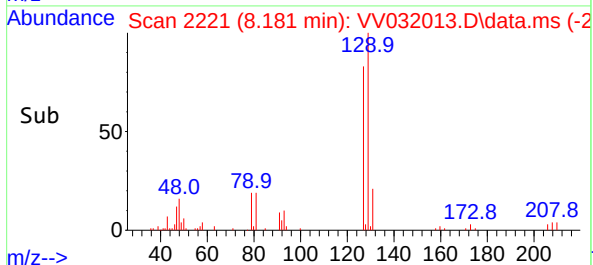
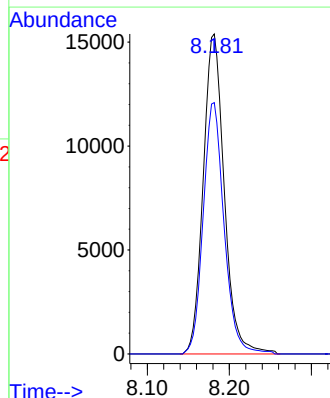
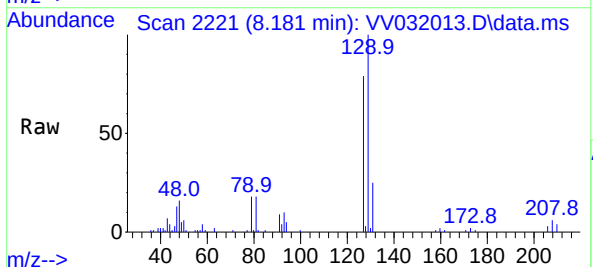
Instrument :  
MSVOA\_V  
ClientSampleId :

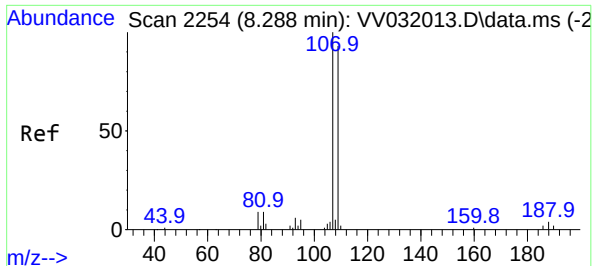
Tgt Ion: 43 Resp: 196708  
Ion Ratio Lower Upper  
43 100  
58 52.5 44.3 66.5  
57 17.8 14.3 21.5  
100 10.7 9.6 14.4



#49  
Dibromochloromethane  
Concen: 4.656 ug/L  
RT: 8.181 min Scan# 2221  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 129 Resp: 27473  
Ion Ratio Lower Upper  
129 100  
127 78.6 53.7 99.7



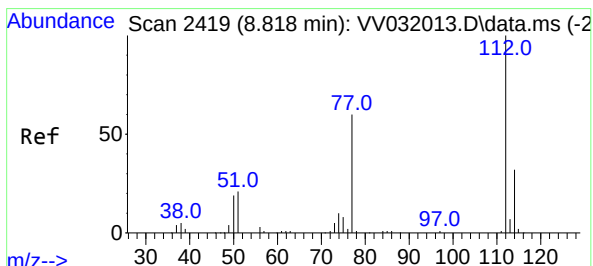
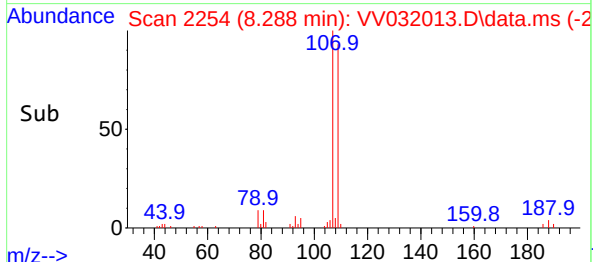
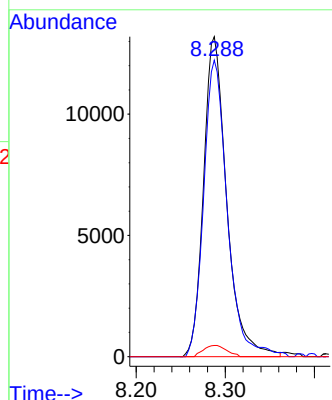
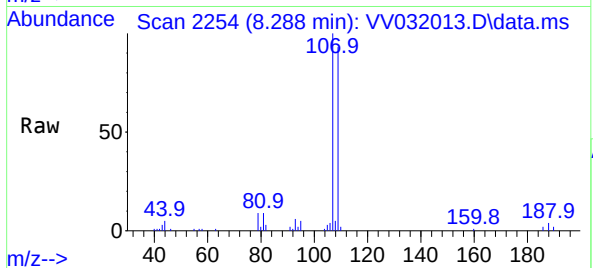


#50  
1,2-Dibromoethane  
Concen: 4.643 ug/L  
RT: 8.288 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:107 Resp: 23775

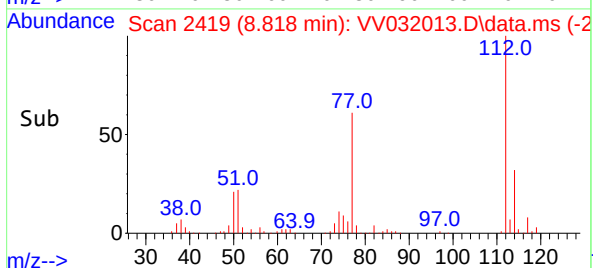
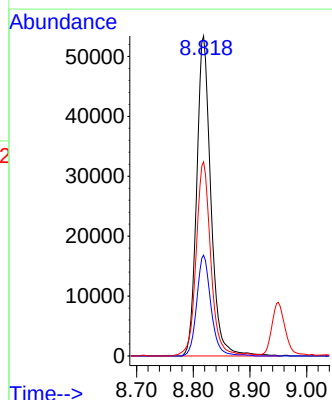
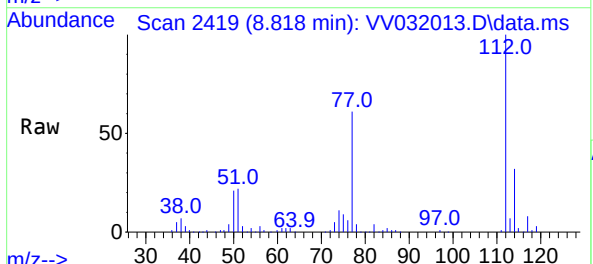
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 92.6  | 66.3  | 123.1 |
| 188 | 3.5   | 2.6   | 3.8   |

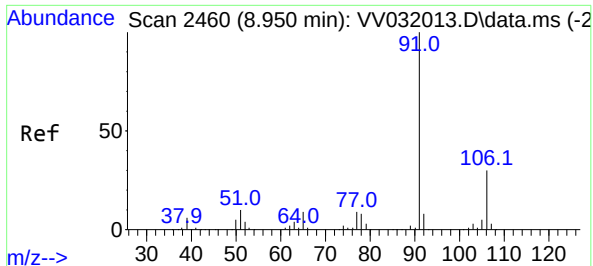


#51  
Chlorobenzene  
Concen: 4.592 ug/L  
RT: 8.818 min Scan# 2419  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:112 Resp: 92764

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 31.5  | 22.3  | 41.3  |
| 77  | 60.6  | 50.6  | 75.8  |

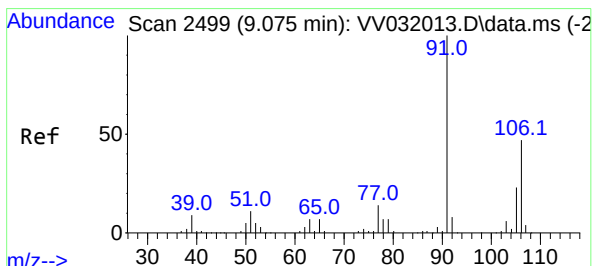
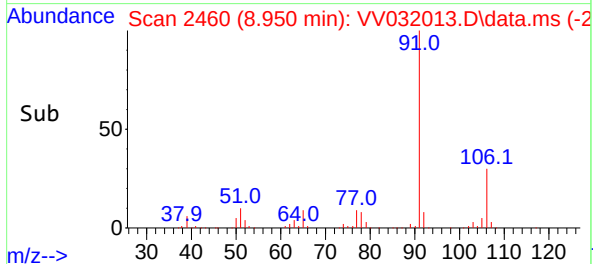
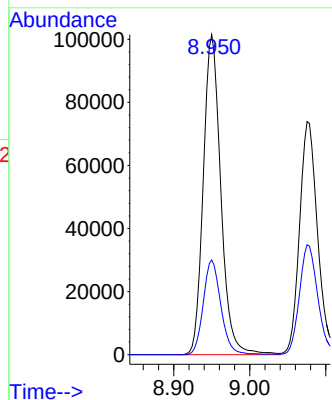
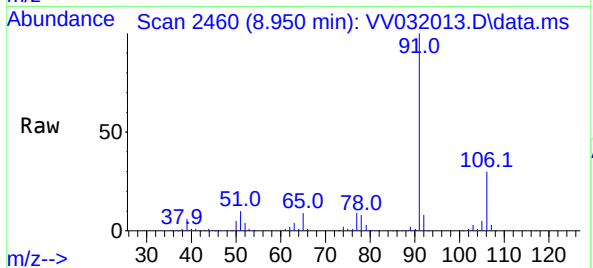




#52  
Ethylbenzene  
Concen: 4.439 ug/L  
RT: 8.950 min Scan# 2460  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

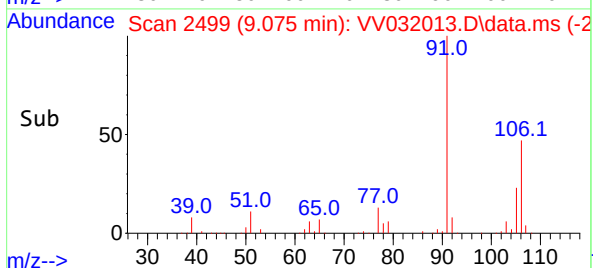
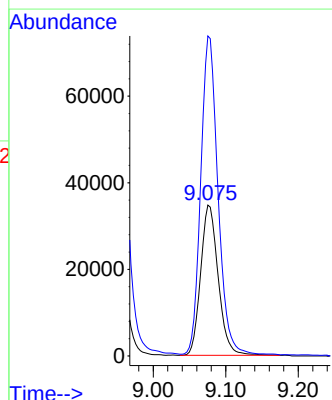
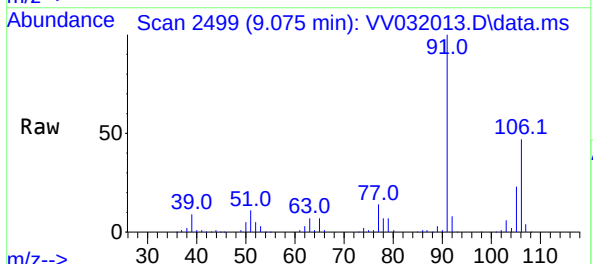
Instrument :  
MSVOA\_V  
ClientSampleId :

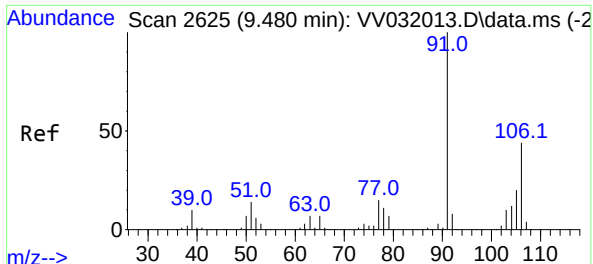
Tgt Ion: 91 Resp: 162784  
Ion Ratio Lower Upper  
91 100  
106 29.6 21.3 39.5



#53  
m,p-Xylene  
Concen: 4.220 ug/L  
RT: 9.075 min Scan# 2499  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 106 Resp: 58300  
Ion Ratio Lower Upper  
106 100  
91 212.1 142.7 265.1

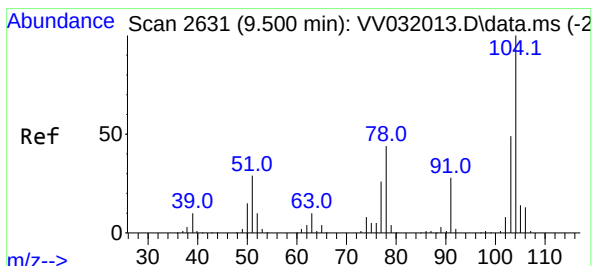
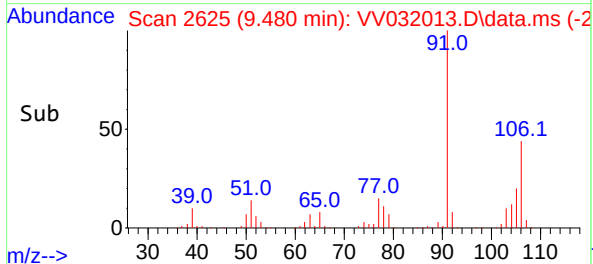
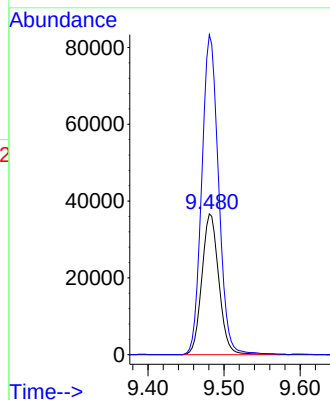
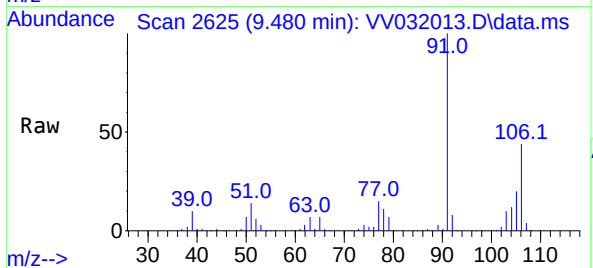




#54  
o-Xylene  
Concen: 4.263 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

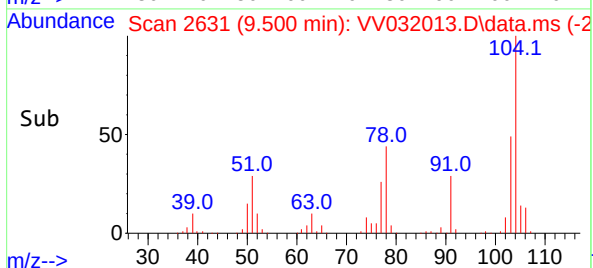
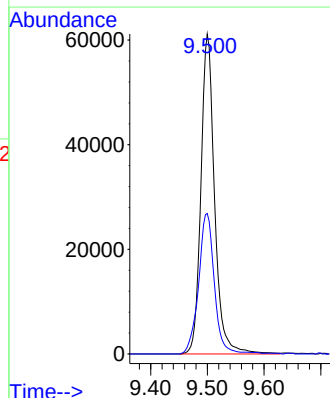
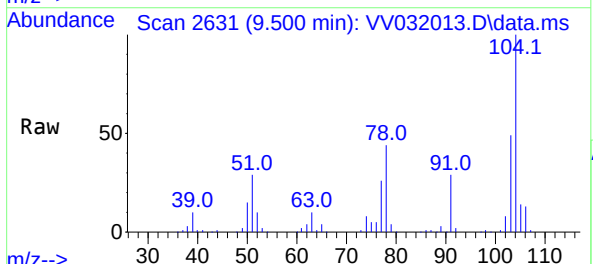
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 56909  
Ion Ratio Lower Upper  
106 100  
91 227.2 154.7 287.3

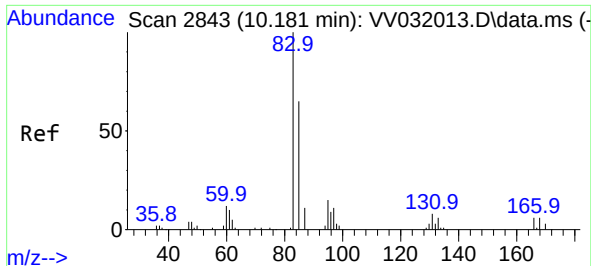


#55  
Styrene  
Concen: 4.460 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:104 Resp: 102698  
Ion Ratio Lower Upper  
104 100  
78 43.9 32.1 59.7







#57

1,1,2,2-Tetrachloroethane

Concen: 5.278 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

ClientSampleId :

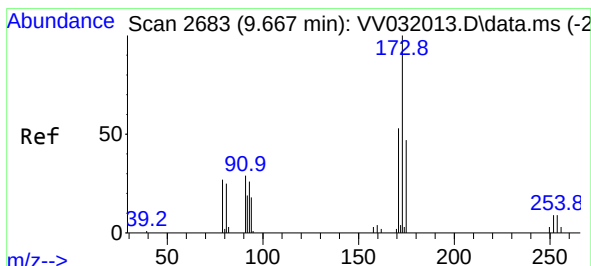
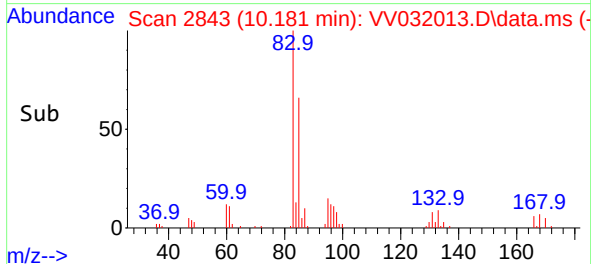
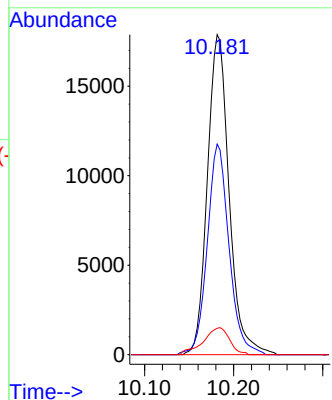
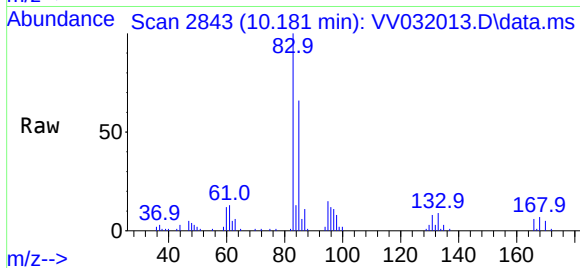
Tgt Ion: 83 Resp: 30259

Ion Ratio Lower Upper

83 100

85 65.8 46.6 86.6

131 8.3 7.4 11.2



#59

Bromoform

Concen: 4.346 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.003 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

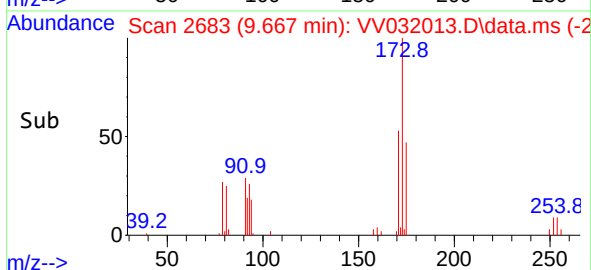
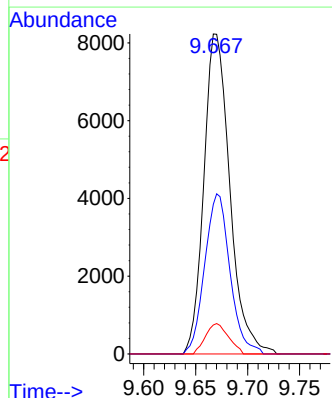
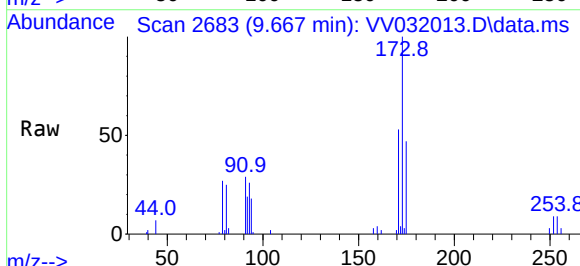
Tgt Ion: 173 Resp: 14311

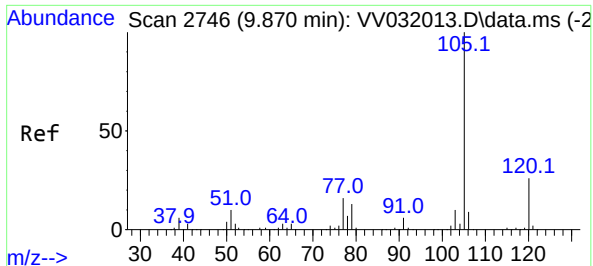
Ion Ratio Lower Upper

173 100

175 48.6 38.0 57.0

254 8.4 6.8 10.2

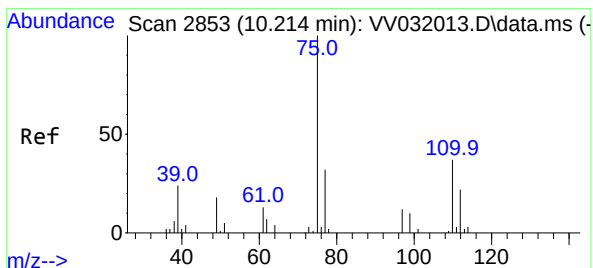
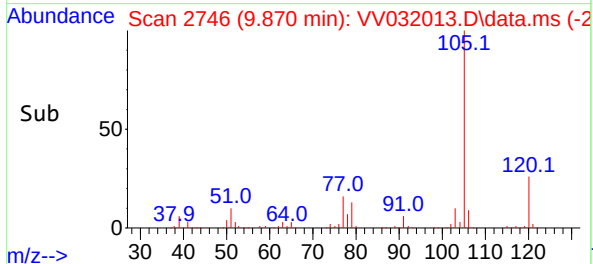
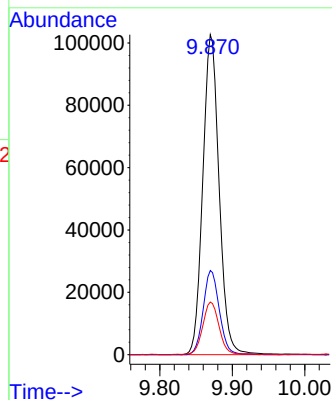
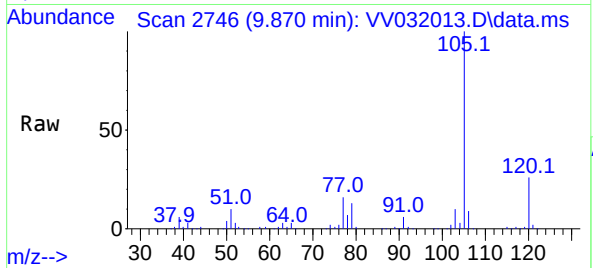




#60  
Isopropylbenzene  
Concen: 4.139 ug/L  
RT: 9.870 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

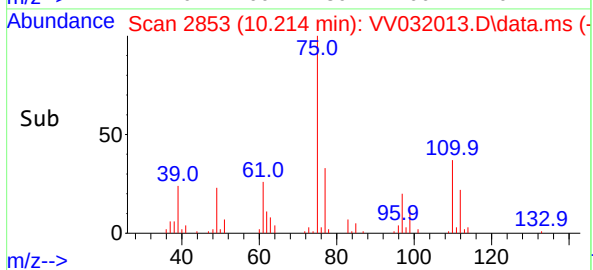
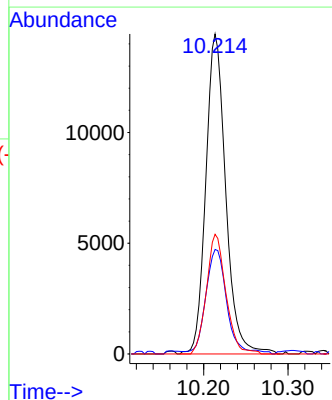
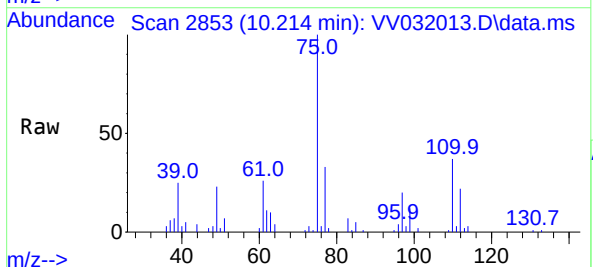
Instrument :  
MSVOA\_V  
ClientSampleId :

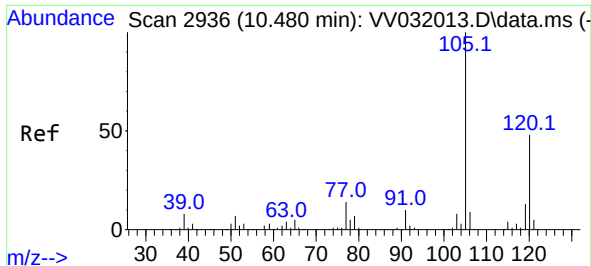
Tgt Ion:105 Resp: 160347  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.7 31.1  
77 16.6 13.7 20.5



#61  
1,2,3-Trichloropropane  
Concen: 4.637 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion: 75 Resp: 23807  
Ion Ratio Lower Upper  
75 100  
77 34.6 28.8 43.2  
110 36.5 30.2 45.2

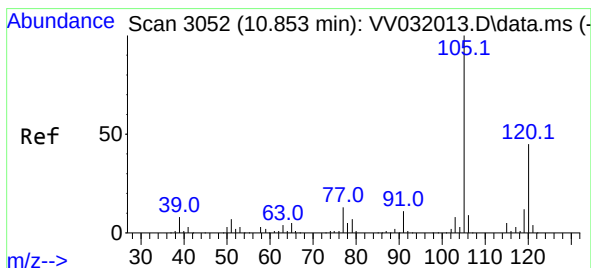
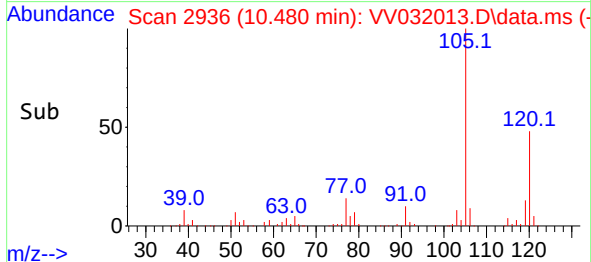
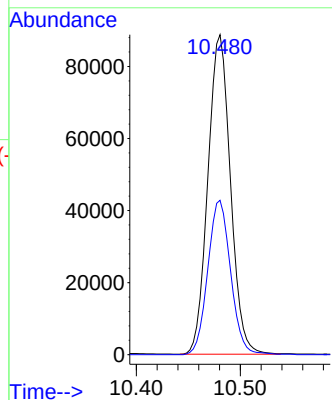
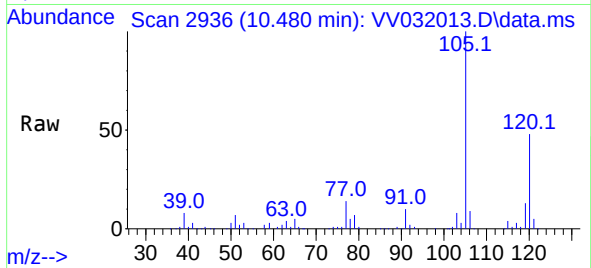




#62  
1,3,5-Trimethylbenzene  
Concen: 4.032 ug/L  
RT: 10.480 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

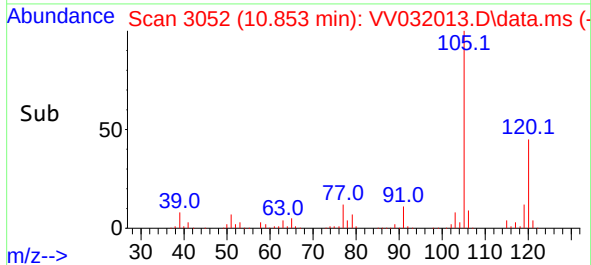
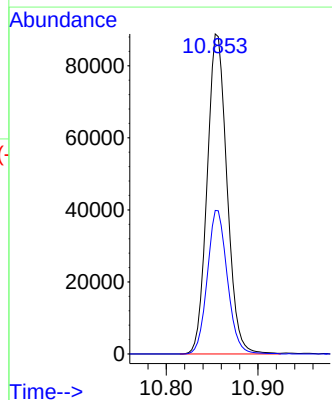
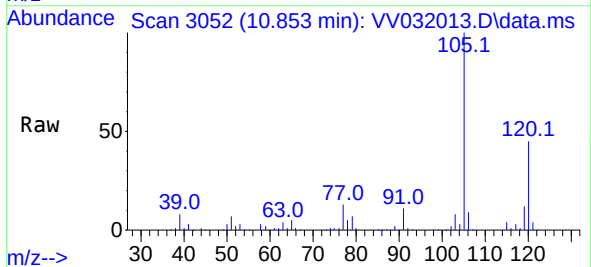
Instrument :  
MSVOA\_V  
ClientSampleId :

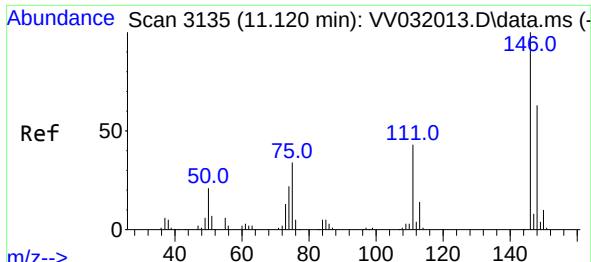
Tgt Ion:105 Resp: 133916  
Ion Ratio Lower Upper  
105 100  
120 48.9 37.9 56.9



#63  
1,2,4-Trimethylbenzene  
Concen: 4.091 ug/L  
RT: 10.853 min Scan# 3052  
Delta R.T. -0.003 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:105 Resp: 133487  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.8 53.8

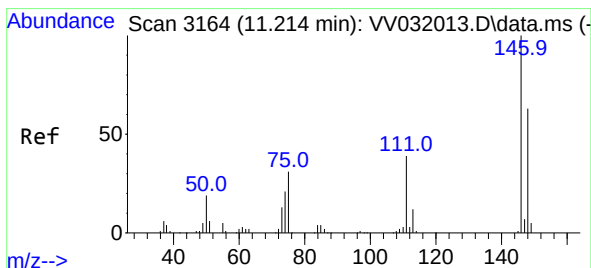
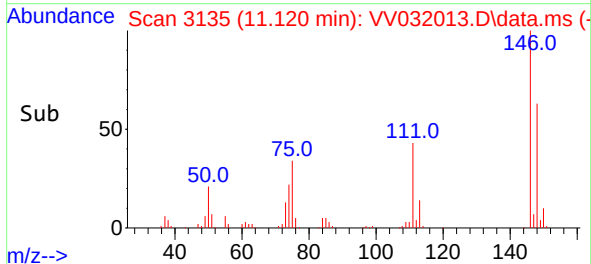
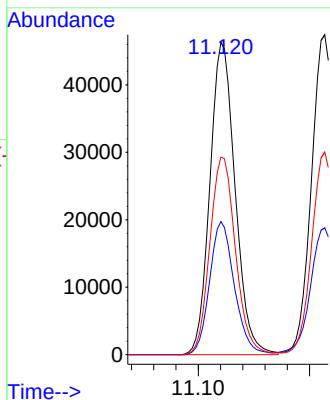
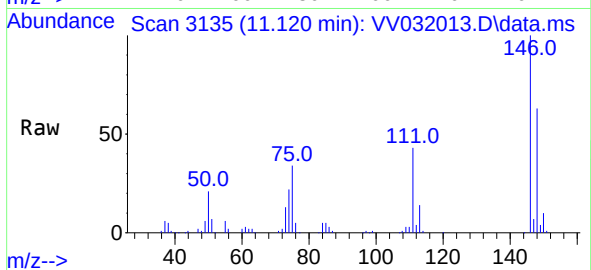




#64  
1,3-Dichlorobenzene  
Concen: 4.245 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

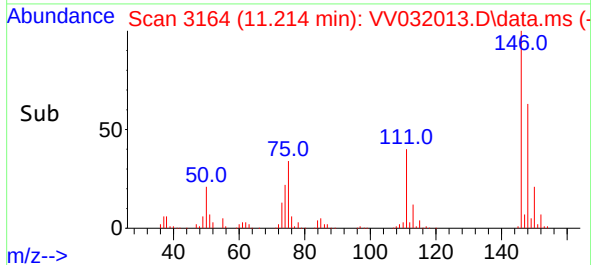
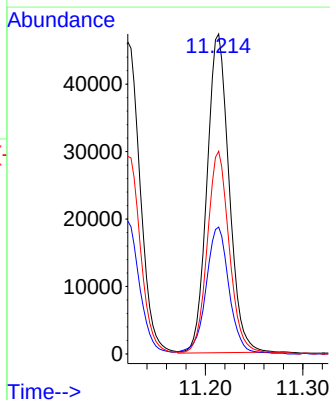
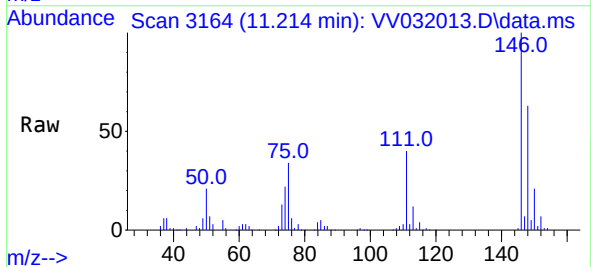
Instrument :  
MSVOA\_V  
ClientSampleId :

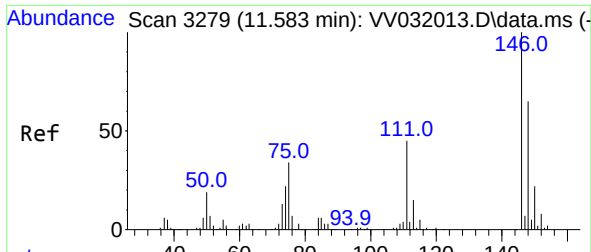
Tgt Ion:146 Resp: 72831  
Ion Ratio Lower Upper  
146 100  
111 42.6 29.5 54.7  
148 63.3 43.9 81.5



#65  
1,4-Dichlorobenzene  
Concen: 4.215 ug/L  
RT: 11.214 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:146 Resp: 74296  
Ion Ratio Lower Upper  
146 100  
111 39.6 29.2 54.2  
148 63.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.317 ug/L

RT: 11.583 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

ClientSampleId :

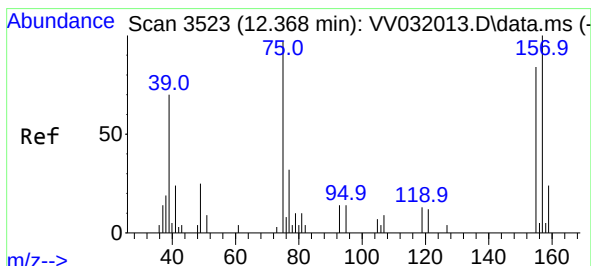
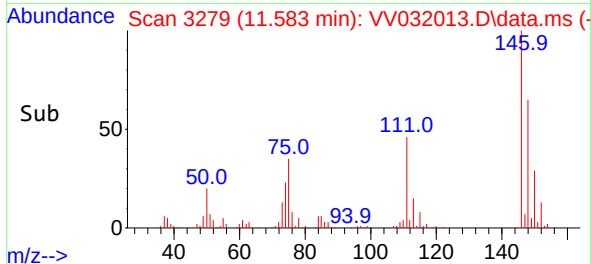
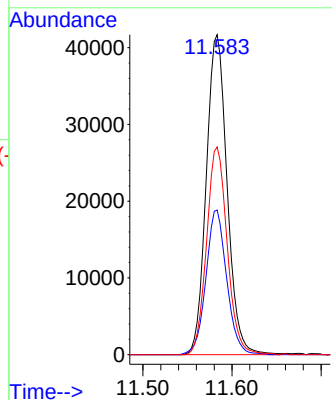
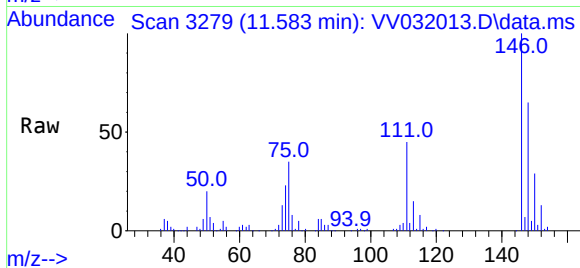
Tgt Ion:146 Resp: 67799

Ion Ratio Lower Upper

146 100

111 45.2 34.8 52.2

148 64.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.220 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.003 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

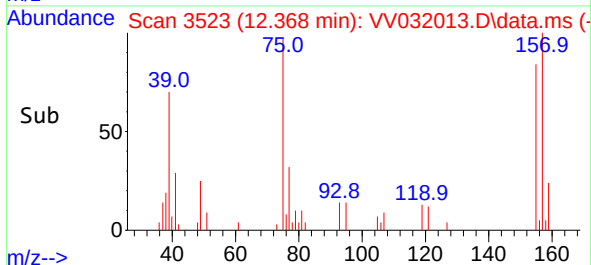
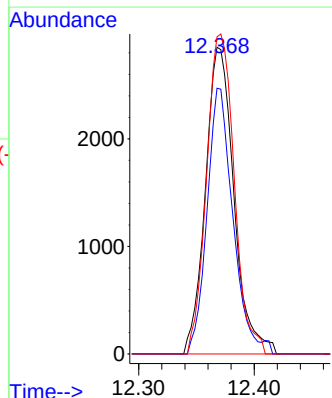
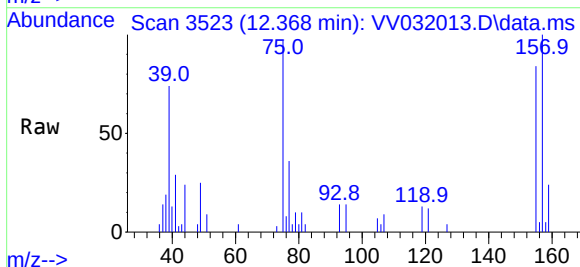
Tgt Ion: 75 Resp: 4907

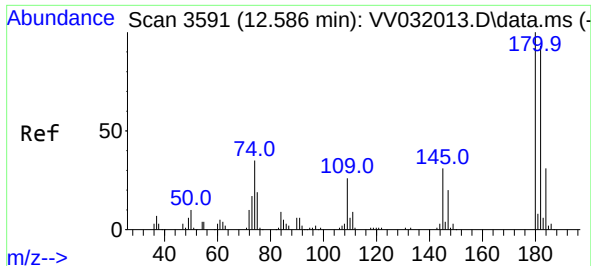
Ion Ratio Lower Upper

75 100

155 86.6 56.1 84.1#

157 103.4 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 4.224 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

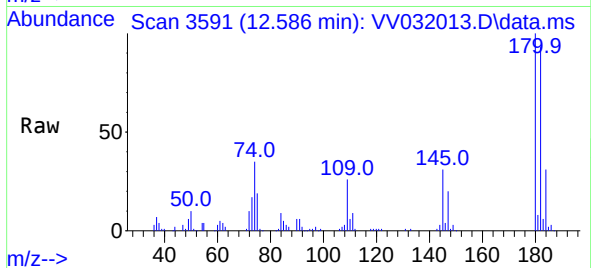
Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 53885

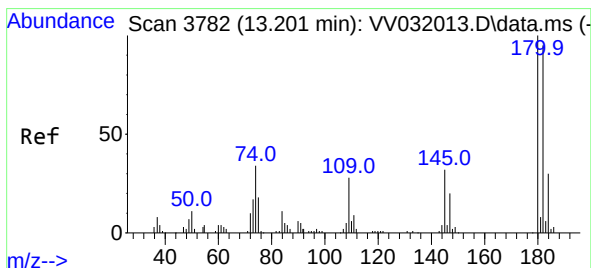
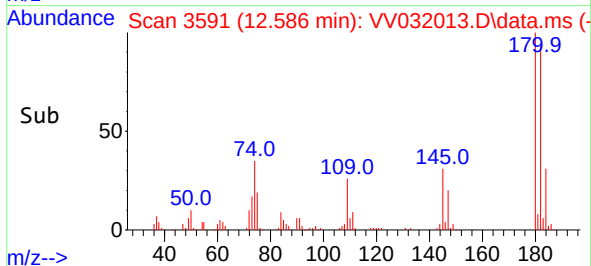
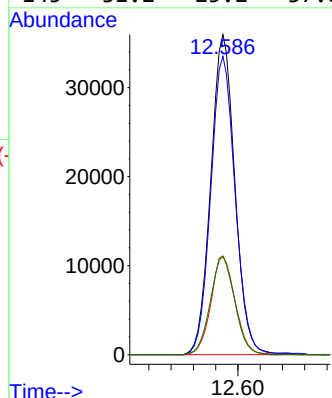
Ion Ratio Lower Upper

180 100

182 94.4 76.0 114.0

184 30.7 23.9 35.9

145 31.2 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.132 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.003 min

Lab File: VV032013.D

Acq: 11 Sep 2023 09:06

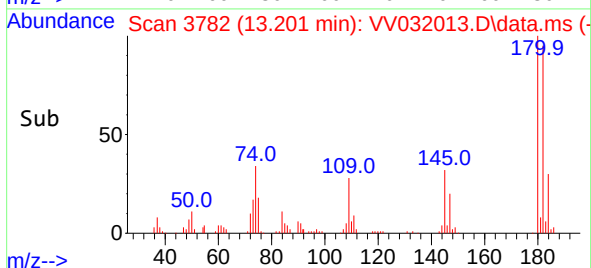
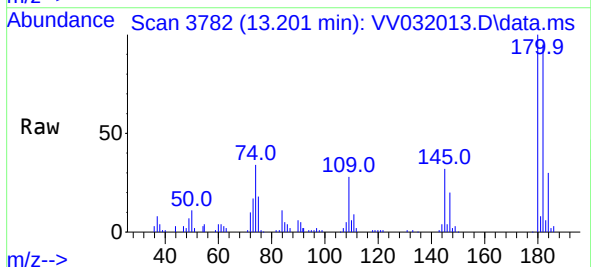
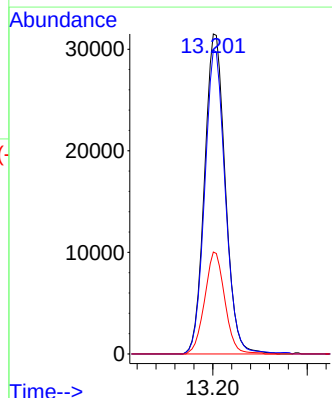
Tgt Ion:180 Resp: 48042

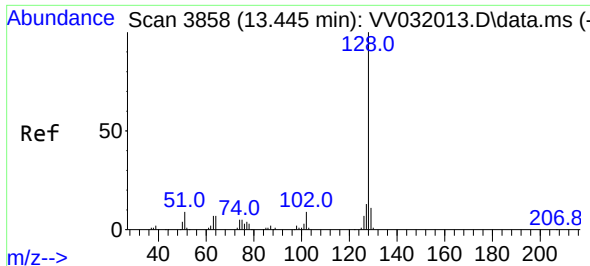
Ion Ratio Lower Upper

180 100

182 94.2 76.9 115.3

145 30.8 26.6 39.8

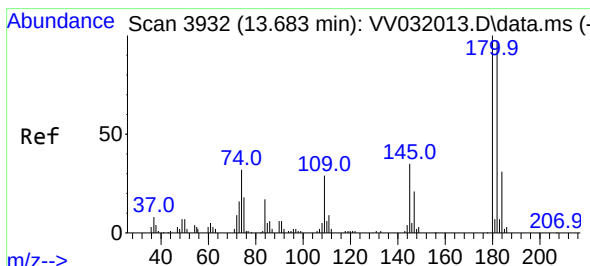
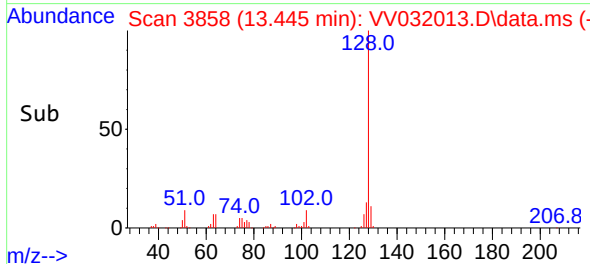
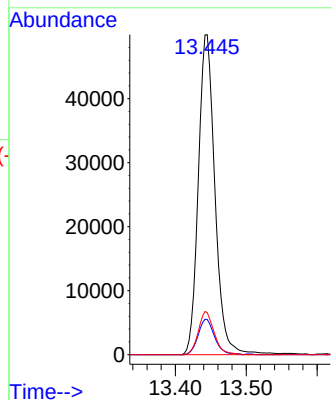
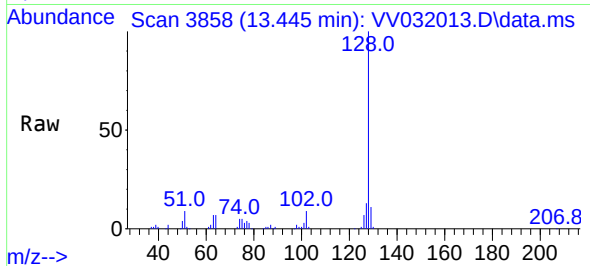




#71  
Naphthalene  
Concen: 3.720 ug/L  
RT: 13.445 min Scan# 3858  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 81473  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 12.8 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.223 ug/L  
RT: 13.683 min Scan# 3932  
Delta R.T. 0.000 min  
Lab File: VV032013.D  
Acq: 11 Sep 2023 09:06

Tgt Ion:180 Resp: 41343  
Ion Ratio Lower Upper  
180 100  
182 93.9 75.9 113.9  
145 33.0 27.3 40.9

