

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022323\  
 Data File : VW030087.D  
 Acq On : 23 Feb 2023 11:18  
 Operator : SY/MD  
 Sample : VSTD01025  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

Quant Time: Feb 23 21:18:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 23 21:16:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114  | 200109   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117  | 190130   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152  | 112888   | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65   | 132225   | 10.212  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.539  | 69   | 124222   | 10.220  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63   | 274481   | 10.311  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.815  | 46   | 263341   | 112.134 | ug/L   | -0.02    |
| 24) Chloroform-d              | 4.259  | 84   | 274293   | 10.370  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65   | 115971   | 10.741  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.969  | 84   | 536790   | 10.492  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 160088   | 10.401  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.252  | 98   | 518847   | 10.699  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79   | 57659    | 10.950  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.034  | 63   | 252258   | 116.710 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84   | 115833   | 10.579  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152  | 196235   | 10.274  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 167930   | 10.314  | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50   | 234131   | 9.126   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.288  | 62   | 176973   | 10.379  | ug/L   | 99       |
| 6) Bromomethane               | 1.494  | 94   | 30711    | 10.034  | ug/L   | 98       |
| 8) Chloroethane               | 1.555  | 64   | 106803   | 10.281  | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101  | 258053   | 10.549  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101  | 157365   | 10.372  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.076  | 96   | 137315   | 10.225  | ug/L   | 95       |
| 13) Acetone                   | 2.146  | 43   | 171868   | 98.099  | ug/L # | 48       |
| 14) Carbon disulfide          | 2.246  | 76   | 369217   | 10.275  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.391  | 43   | 40531    | 9.803   | ug/L   | 97       |
| 16) Methylene chloride        | 2.455  | 84   | 135667   | 8.269   | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73   | 281755   | 10.729  | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96   | 133750   | 10.470  | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.121  | 63   | 248253   | 10.432  | ug/L   | 98       |
| 21) 2-Butanone                | 3.895  | 43   | 257232   | 108.402 | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 150090   | 10.629  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.159  | 128  | 64714    | 10.725  | ug/L   | 98       |
| 25) Chloroform                | 4.288  | 83   | 256638   | 10.366  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 135514   | 10.465  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97   | 235824   | 10.559  | ug/L   | 99       |
| 30) Cyclohexane               | 4.593  | 56   | 207672   | 10.761  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 209014   | 10.412  | ug/L   | 98       |
| 33) Benzene                   | 5.021  | 78   | 543817   | 10.473  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 151296   | 10.398  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.059  | 83   | 236671   | 10.748  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 139839   | 10.586  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.442  | 83   | 177938   | 10.551  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 212297   | 10.978  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 612591   | 112.378 | ug/L   | 99       |
| 42) Toluene                   | 7.323  | 91   | 605412   | 10.765  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 166425   | 11.024  | ug/L   | 99       |

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 Sample : VSTD01025  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

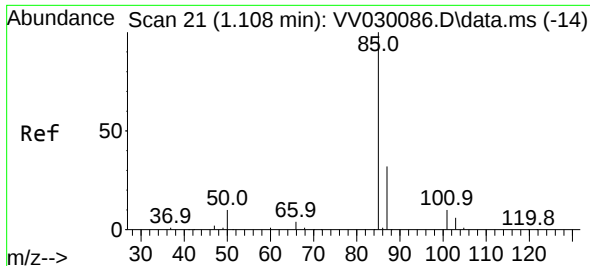
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 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

Quant Time: Feb 23 21:18:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 23 21:16:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 96988    | 10.261  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.915  | 164  | 130330   | 10.435  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.085  | 43   | 434441   | 113.146 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.185  | 129  | 119581   | 10.811  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 94279    | 10.690  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.821  | 112  | 396636   | 10.457  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.953  | 91   | 674080   | 11.013  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.082  | 106  | 262471   | 11.158  | ug/L  | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 251997   | 11.215  | ug/L  | 99       |
| 55) Styrene                   | 9.503  | 104  | 430872   | 11.531  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 112746   | 10.663  | ug/L  | 99       |
| 59) Bromoform                 | 9.673  | 173  | 69074    | 10.209  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 703150   | 10.825  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 76696    | 10.151  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.487 | 105  | 592305   | 11.101  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 610470   | 11.185  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 350340   | 10.359  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 346491   | 10.154  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 309734   | 10.372  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 17923    | 10.621  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 289016   | 10.395  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 230599   | 10.238  | ug/L  | 98       |
| 71) Naphthalene               | 13.448 | 128  | 322504   | 10.957  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 193259   | 10.423  | ug/L  | 100      |

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

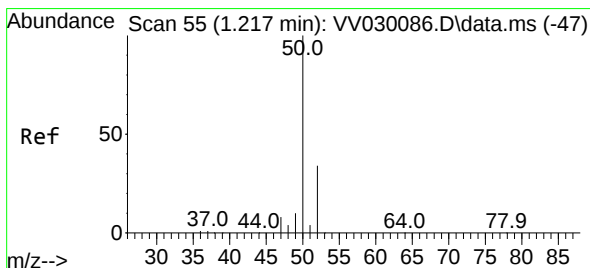
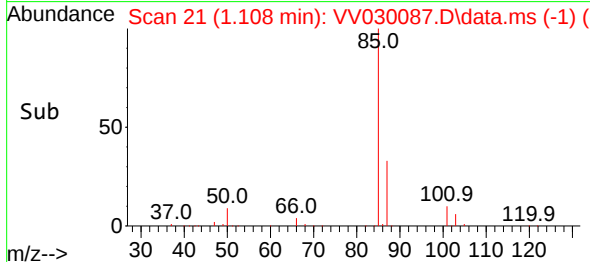
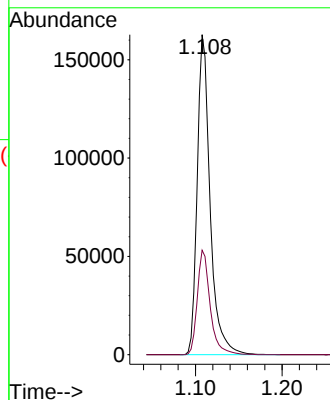
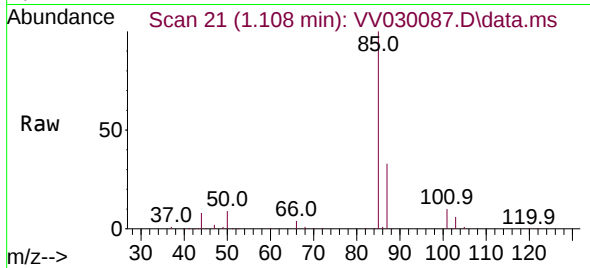




#2  
 Dichlorodifluoromethane  
 Concen: 10.314 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

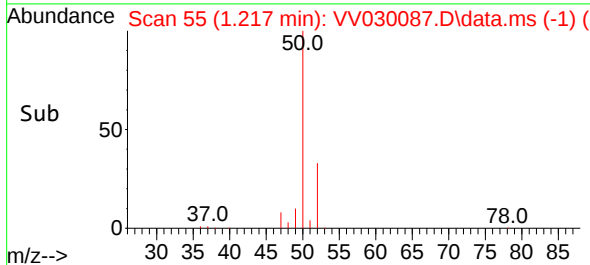
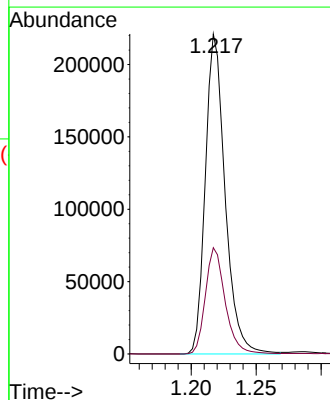
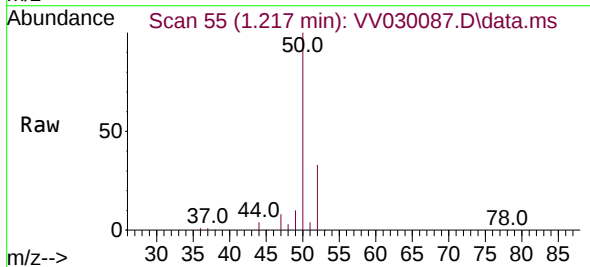
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

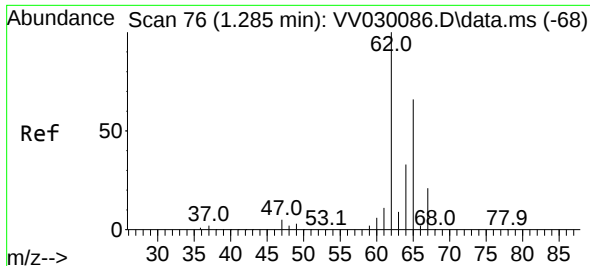
Tgt Ion: 85 Resp: 167930  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 26.6 39.8



#3  
 Chloromethane  
 Concen: 9.126 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

Tgt Ion: 50 Resp: 234131  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.6 43.8

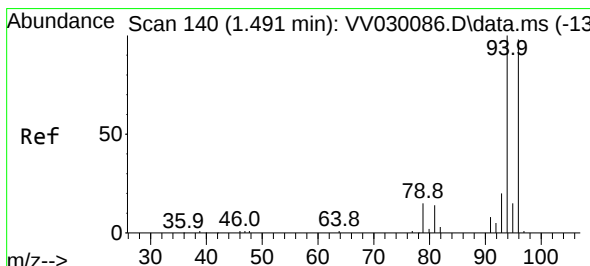
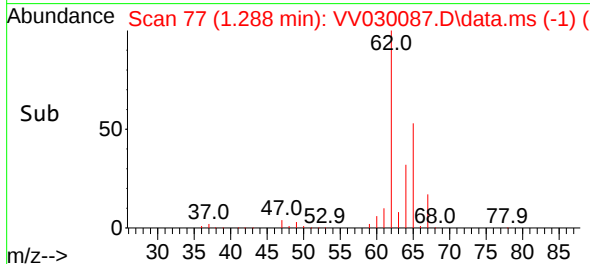
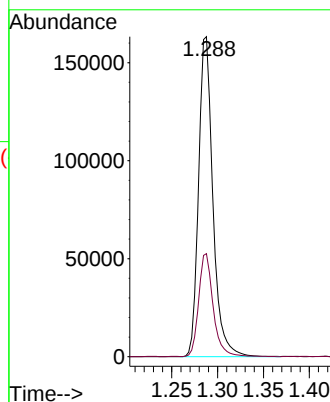
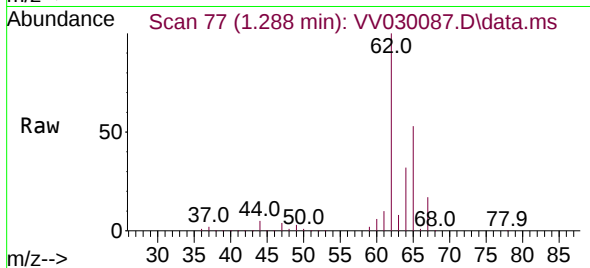




#5  
 Vinyl chloride  
 Concen: 10.379 ug/L  
 RT: 1.288 min Scan# 71  
 Delta R.T. 0.003 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

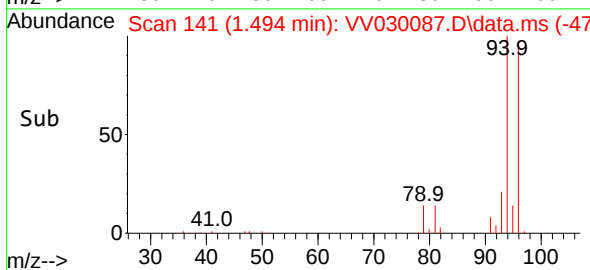
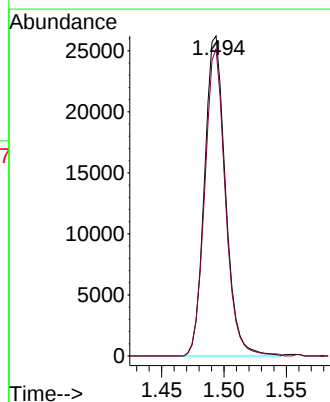
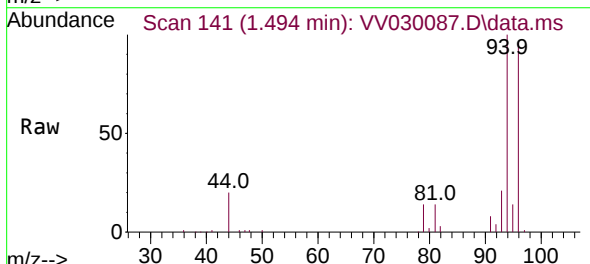
Instrument :  
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 VSTD010225

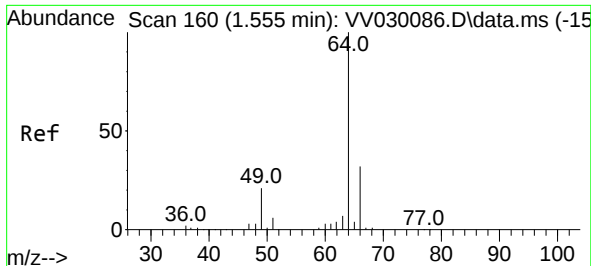
Tgt Ion: 62 Resp: 176973  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 23.1 42.9



#6  
 Bromomethane  
 Concen: 10.034 ug/L  
 RT: 1.494 min Scan# 141  
 Delta R.T. 0.003 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

Tgt Ion: 94 Resp: 30711  
 Ion Ratio Lower Upper  
 94 100  
 96 95.9 68.4 127.0

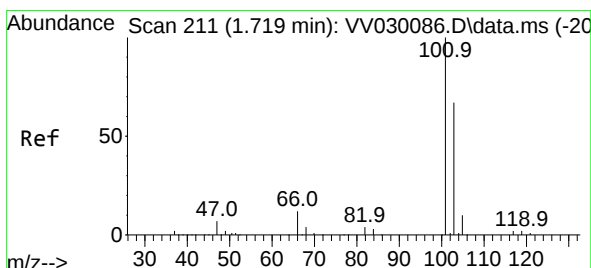
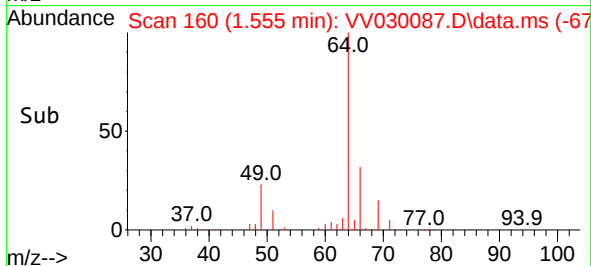
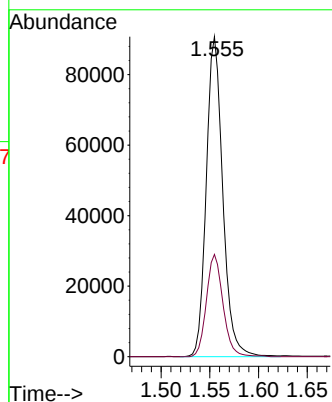
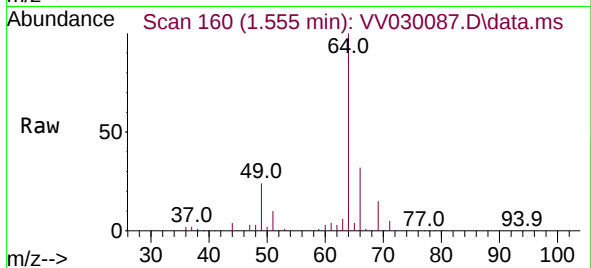




#8  
Chloroethane  
Concen: 10.281 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

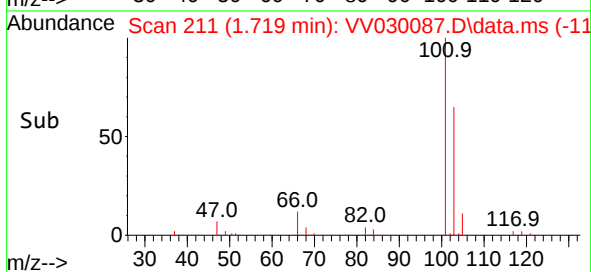
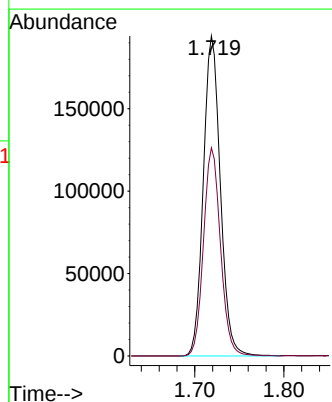
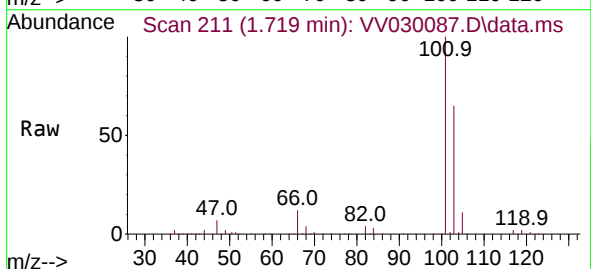
Instrument :  
MSVOA\_V  
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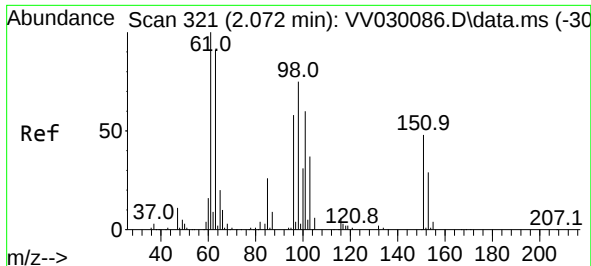
Tgt Ion: 64 Resp: 106803  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.4 41.6



#9  
Trichlorofluoromethane  
Concen: 10.549 ug/L  
RT: 1.719 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion:101 Resp: 258053  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.7 79.1

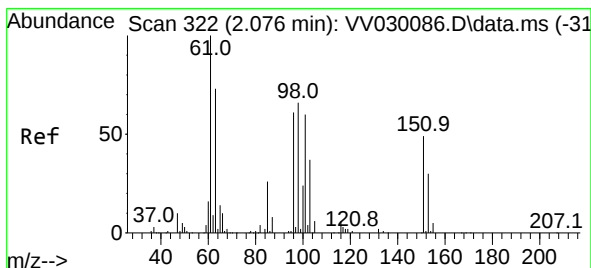
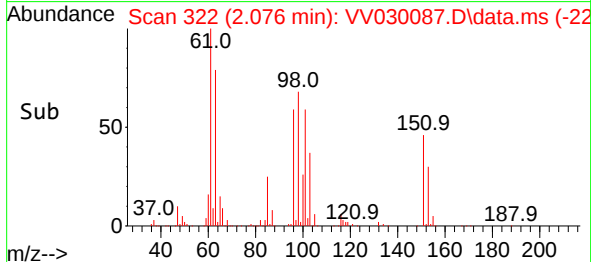
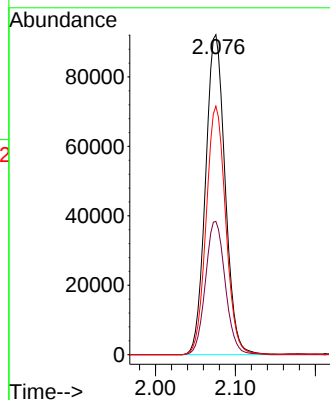
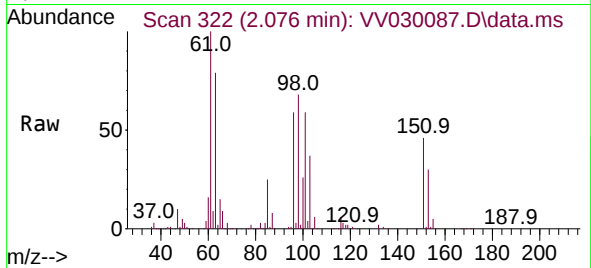




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 10.372 ug/L  
 RT: 2.076 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

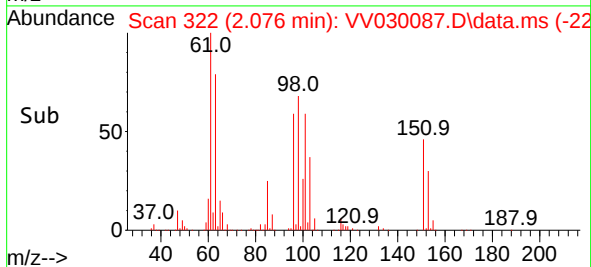
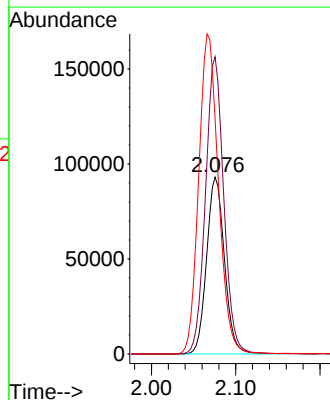
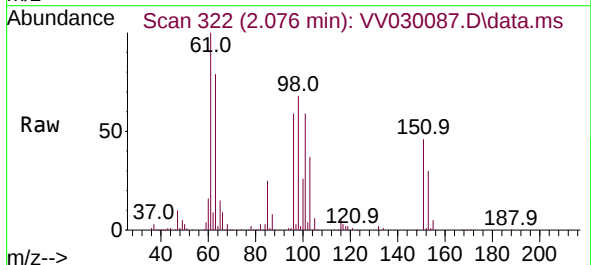
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

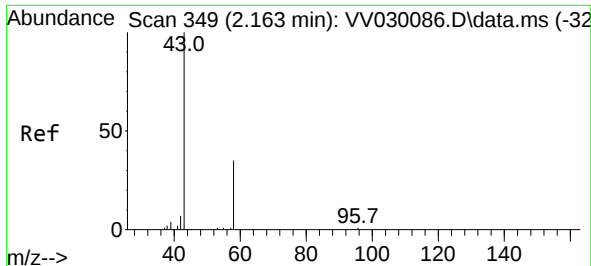
Tgt Ion:101 Resp: 157365  
 Ion Ratio Lower Upper  
 101 100  
 85 42.2 33.5 50.3  
 151 77.5 61.6 92.4



#12  
 1,1-Dichloroethene  
 Concen: 10.225 ug/L  
 RT: 2.076 min Scan# 322  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

Tgt Ion: 96 Resp: 137315  
 Ion Ratio Lower Upper  
 96 100  
 61 168.1 115.6 214.6  
 63 133.1 85.6 159.0





#13

Acetone

Concen: 98.099 ug/L

RT: 2.146 min Scan# 349

Delta R.T. -0.016 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

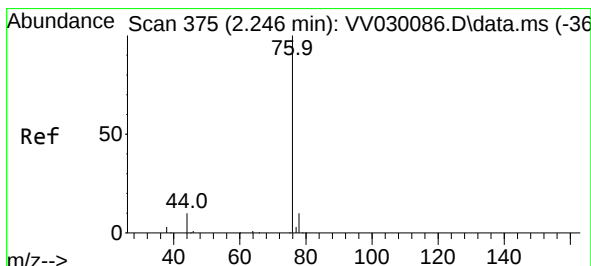
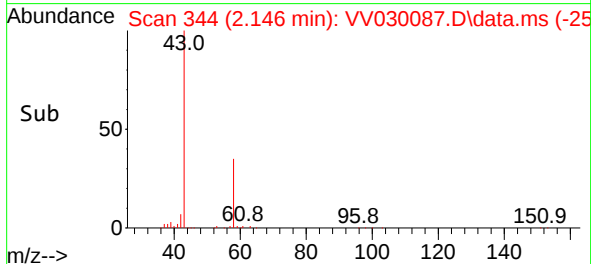
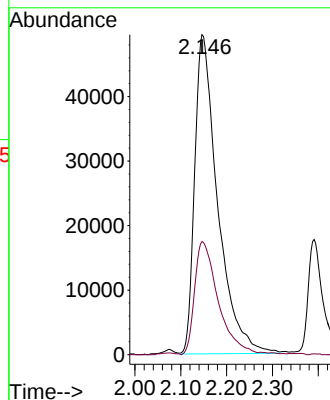
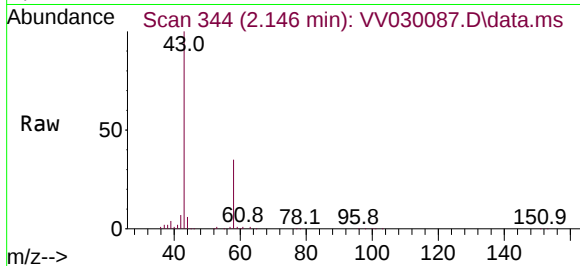
VSTD010225

Tgt Ion: 43 Resp: 171868

Ion Ratio Lower Upper

43 100

58 36.4 0.0 29.4#



#14

Carbon disulfide

Concen: 10.275 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030087.D

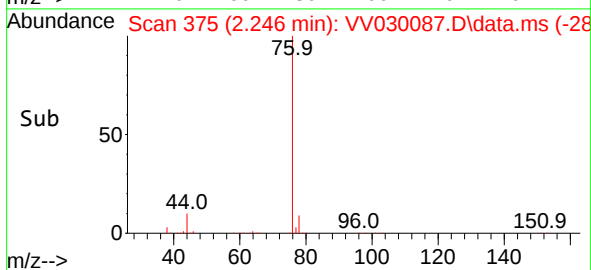
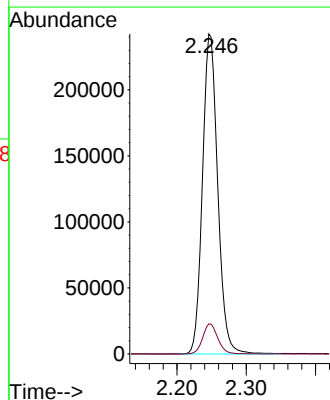
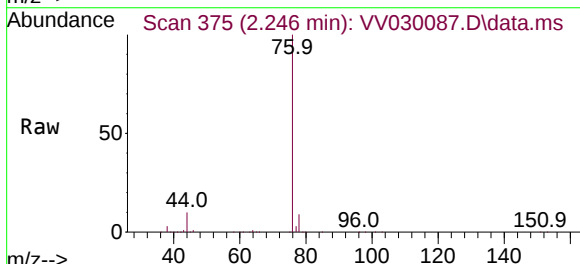
Acq: 23 Feb 2023 11:18

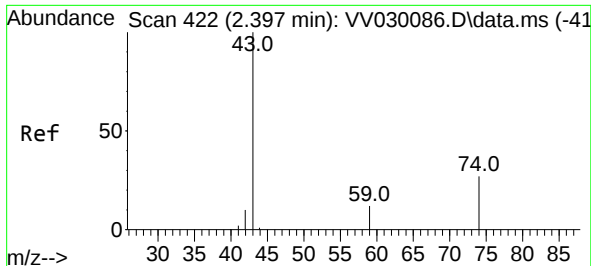
Tgt Ion: 76 Resp: 369217

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

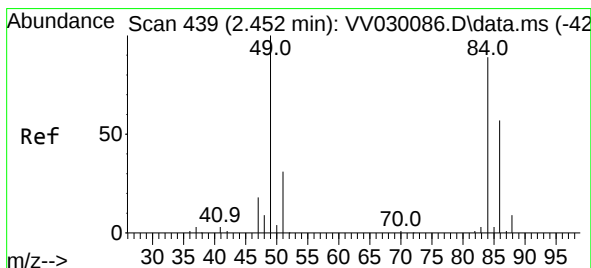
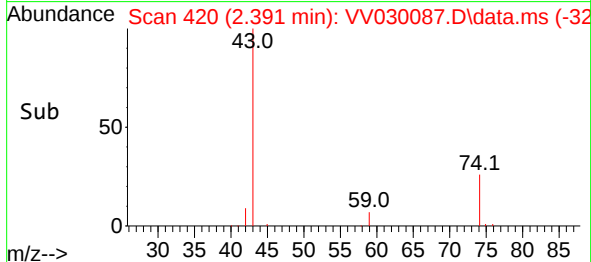
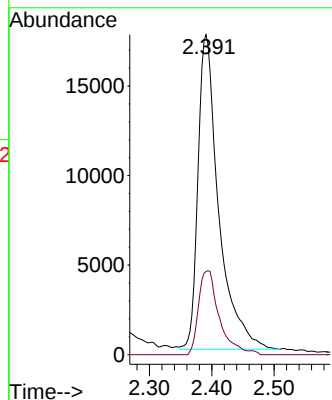
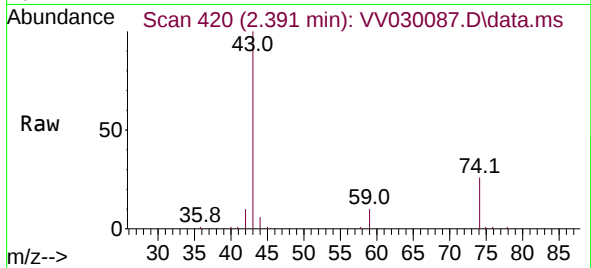




#15  
Methyl Acetate  
Concen: 9.803 ug/L  
RT: 2.391 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

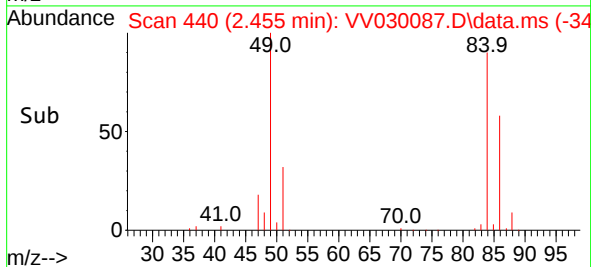
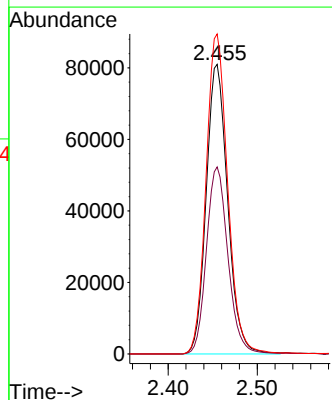
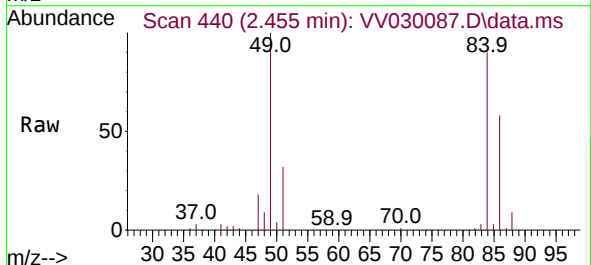
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

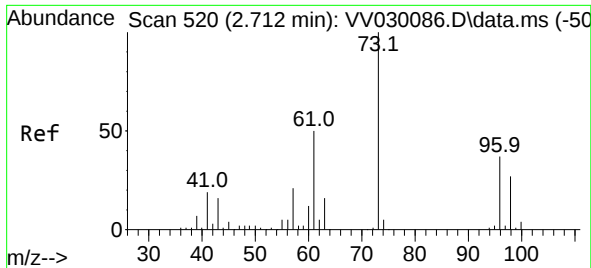
Tgt Ion: 43 Resp: 40531  
Ion Ratio Lower Upper  
43 100  
74 26.4 20.1 30.1



#16  
Methylene chloride  
Concen: 8.269 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. 0.003 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 84 Resp: 135667  
Ion Ratio Lower Upper  
84 100  
86 64.6 44.7 83.1  
49 110.5 78.8 146.3

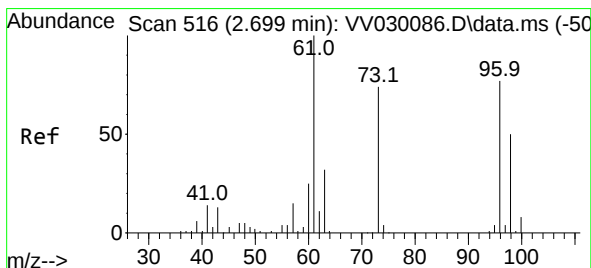
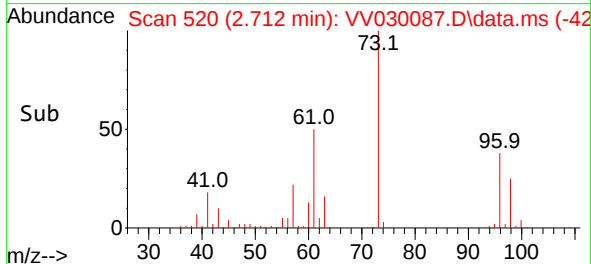
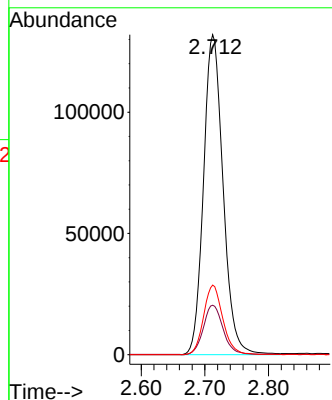
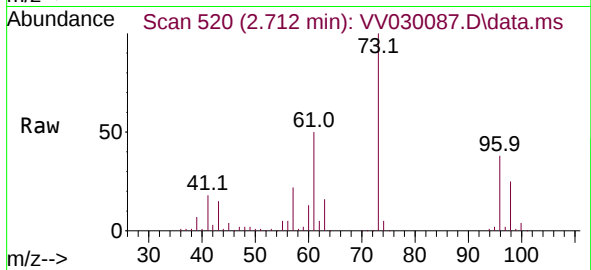




#17  
Methyl tert-butyl Ether  
Concen: 10.729 ug/L  
RT: 2.712 min Scan# 517  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

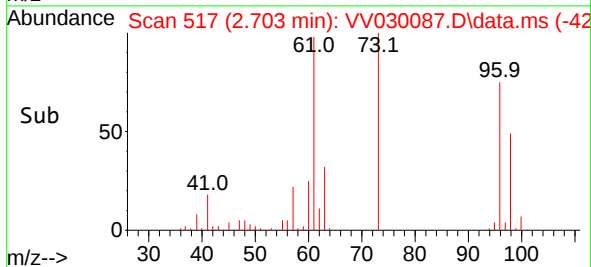
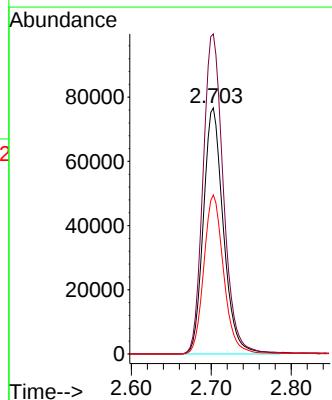
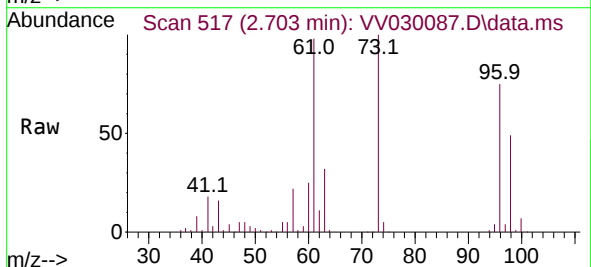
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

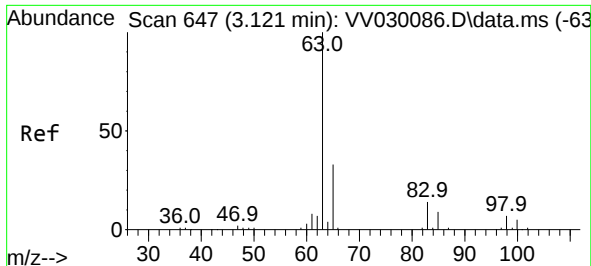
Tgt Ion: 73 Resp: 281755  
Ion Ratio Lower Upper  
73 100  
43 15.7 13.4 20.2  
57 21.4 16.8 25.2



#18  
trans-1,2-Dichloroethene  
Concen: 10.470 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 96 Resp: 133750  
Ion Ratio Lower Upper  
96 100  
61 130.0 91.0 169.0  
98 64.6 45.2 84.0

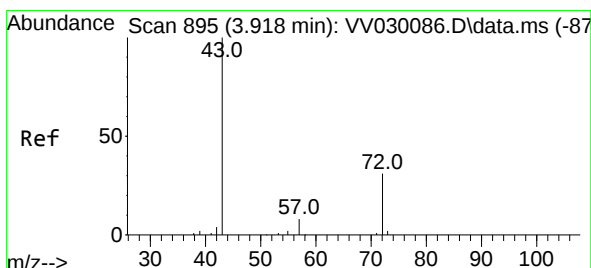
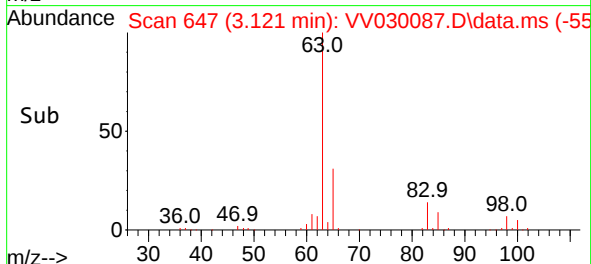
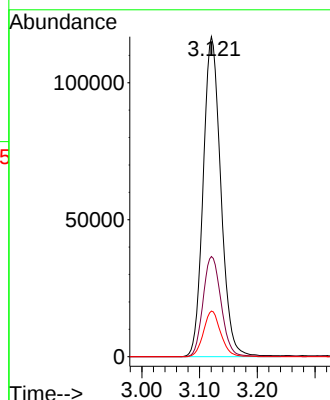
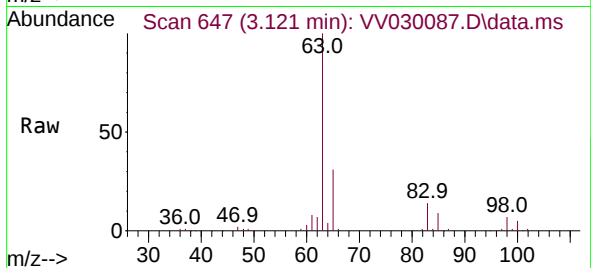




#19  
1,1-Dichloroethane  
Concen: 10.432 ug/L  
RT: 3.121 min Scan# 647  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

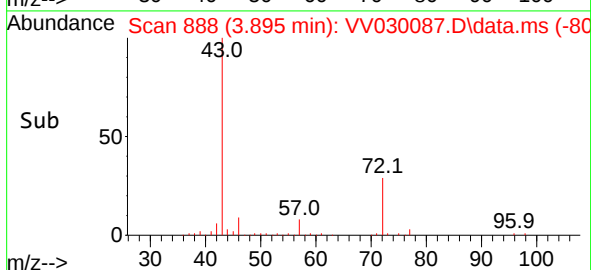
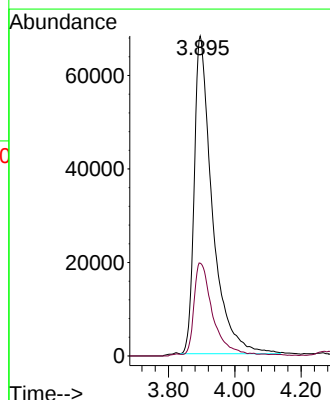
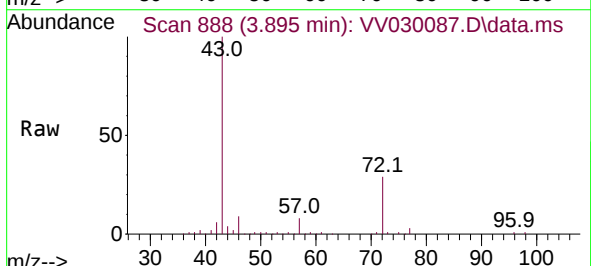
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

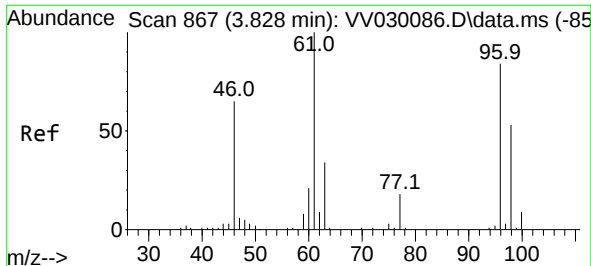
Tgt Ion: 63 Resp: 248253  
Ion Ratio Lower Upper  
63 100  
65 31.3 23.0 42.8  
83 14.2 9.6 17.8



#21  
2-Butanone  
Concen: 108.402 ug/L  
RT: 3.895 min Scan# 888  
Delta R.T. -0.023 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 43 Resp: 257232  
Ion Ratio Lower Upper  
43 100  
72 29.3 15.1 45.3

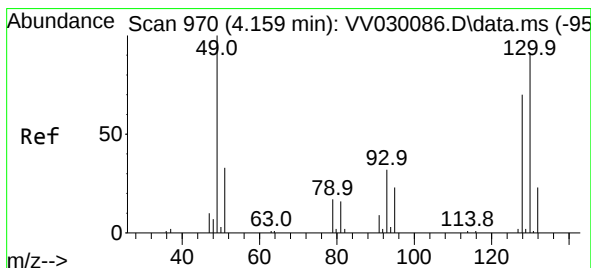
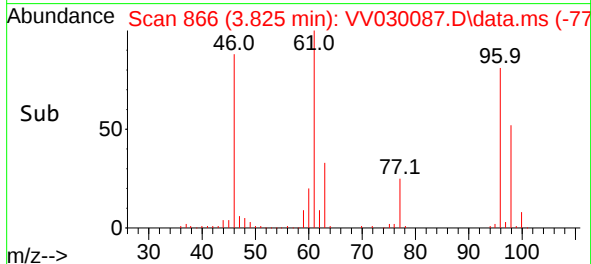
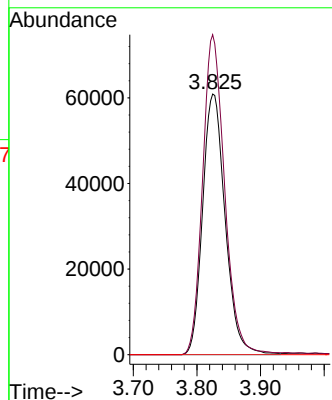
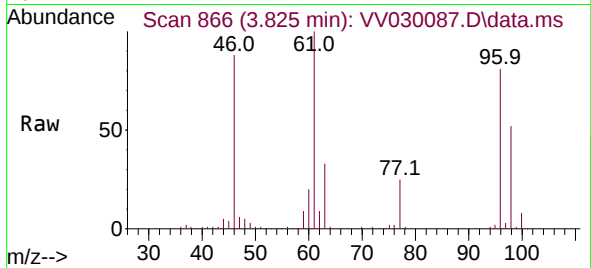




#22  
cis-1,2-Dichloroethene  
Concen: 10.629 ug/L  
RT: 3.825 min Scan# 866  
Delta R.T. -0.003 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

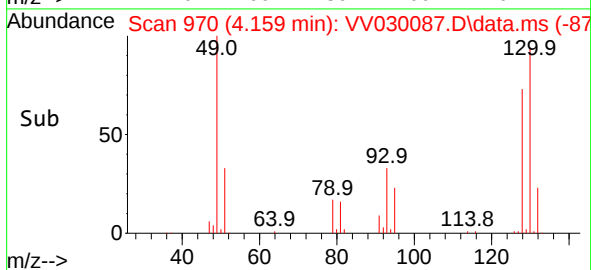
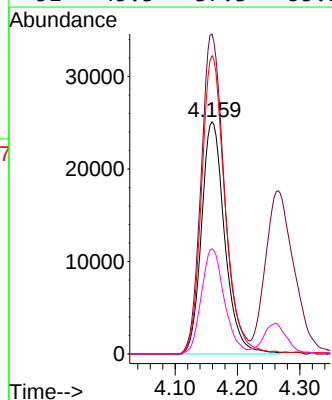
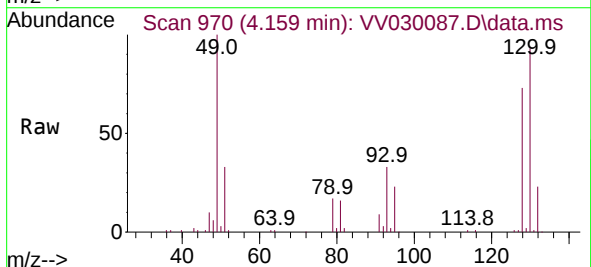
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

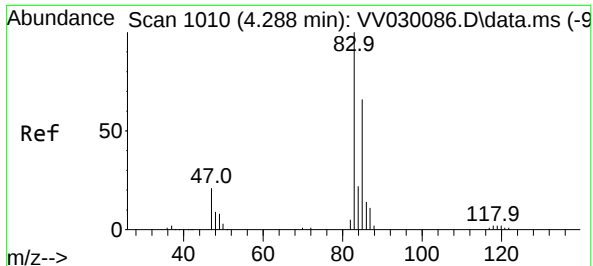
Tgt Ion: 96 Resp: 150090  
Ion Ratio Lower Upper  
96 100  
61 122.7 83.4 154.8  
68 0.0 0.0 0.0



#23  
Bromochloromethane  
Concen: 10.725 ug/L  
RT: 4.159 min Scan# 970  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion:128 Resp: 64714  
Ion Ratio Lower Upper  
128 100  
49 137.9 99.5 184.9  
130 128.5 90.5 168.1  
51 45.3 37.3 55.9





#25

Chloroform

Concen: 10.366 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

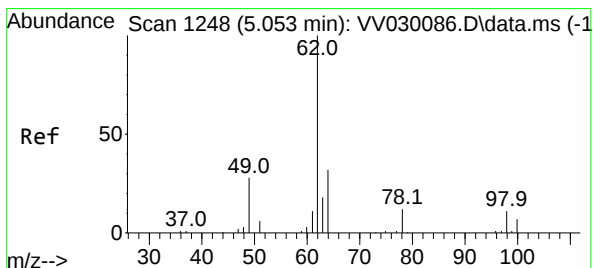
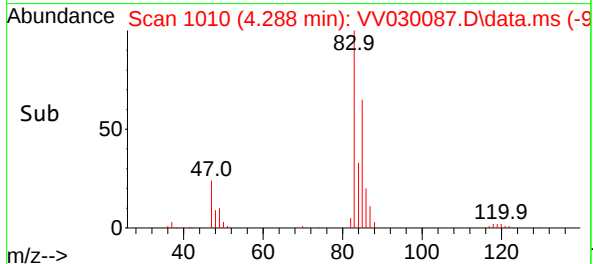
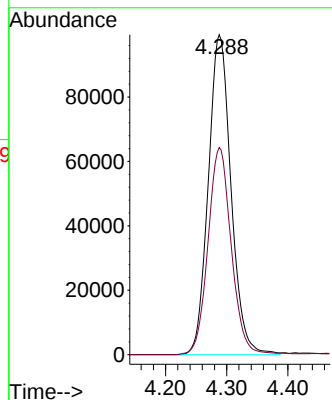
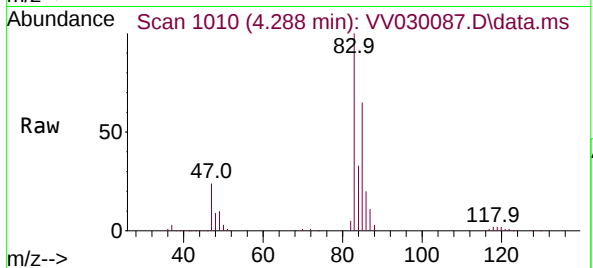
VSTD010225

Tgt Ion: 83 Resp: 256638

Ion Ratio Lower Upper

83 100

85 64.8 46.5 86.5



#27

1,2-Dichloroethane

Concen: 10.465 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030087.D

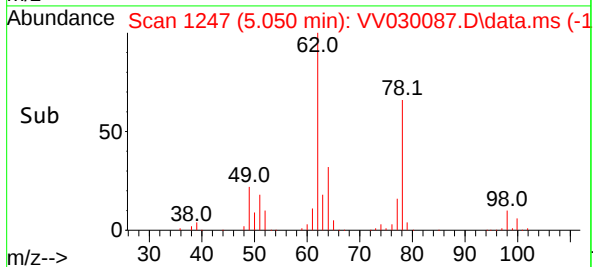
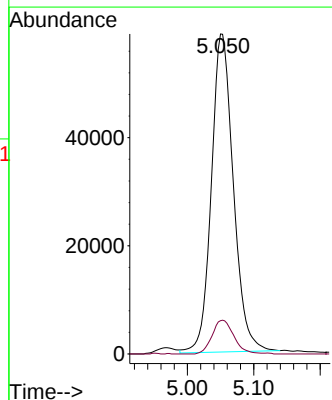
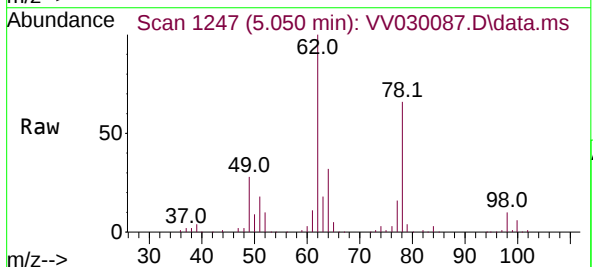
Acq: 23 Feb 2023 11:18

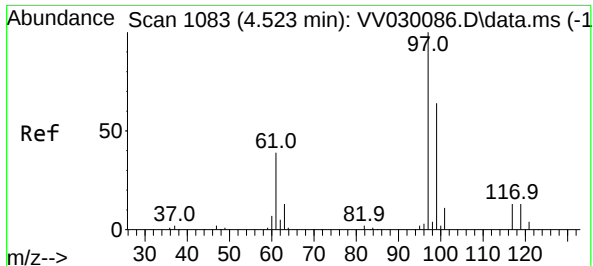
Tgt Ion: 62 Resp: 135514

Ion Ratio Lower Upper

62 100

98 10.4 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 10.559 ug/L

RT: 4.522 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010225

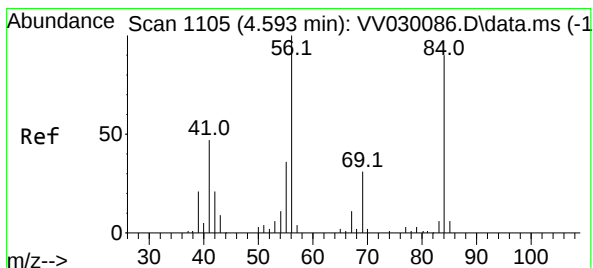
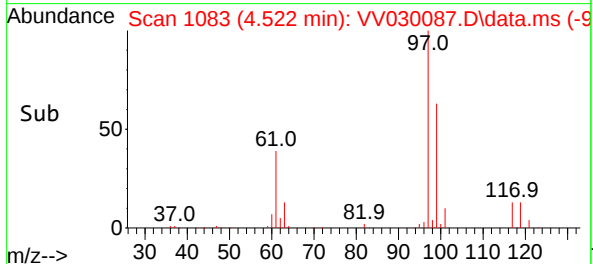
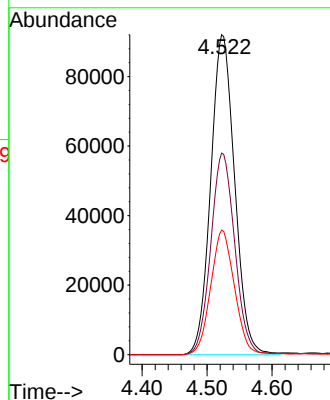
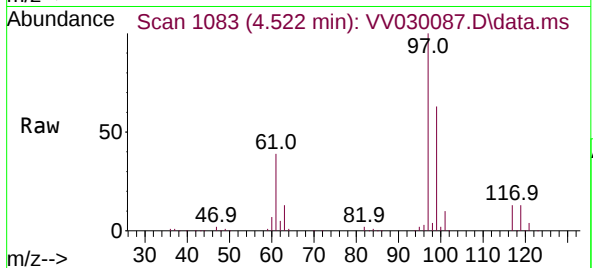
Tgt Ion: 97 Resp: 235824

Ion Ratio Lower Upper

97 100

99 63.0 51.3 76.9

61 38.8 31.5 47.3



#30

Cyclohexane

Concen: 10.761 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

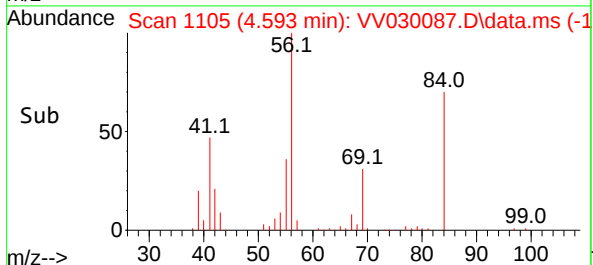
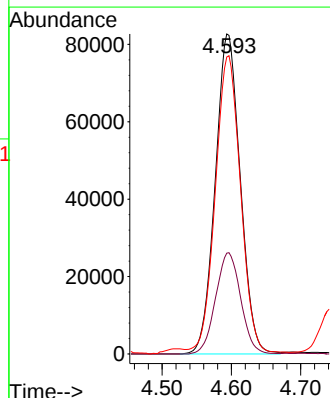
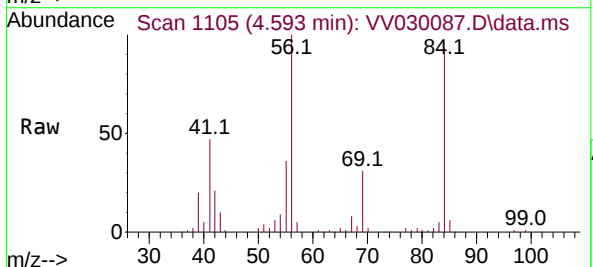
Tgt Ion: 56 Resp: 207672

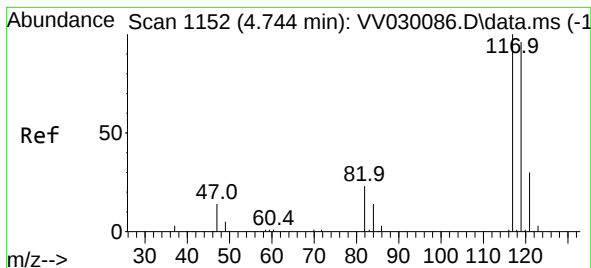
Ion Ratio Lower Upper

56 100

69 31.7 25.1 37.7

84 94.5 74.6 111.8





#31

Carbon tetrachloride

Concen: 10.412 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

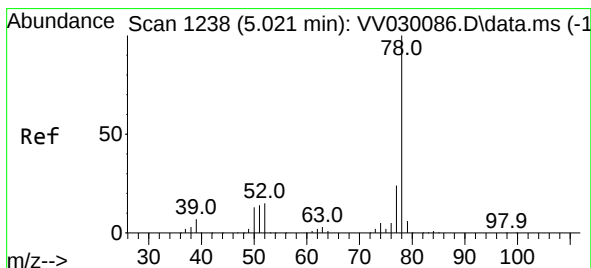
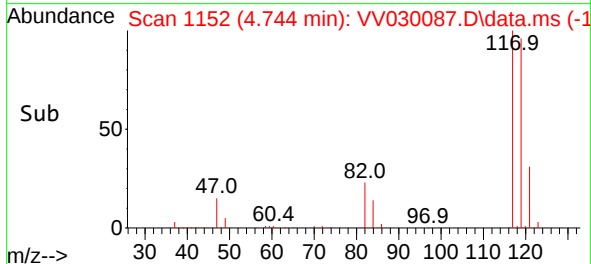
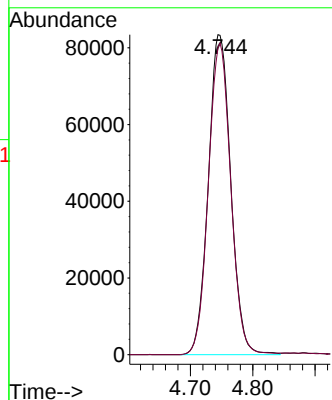
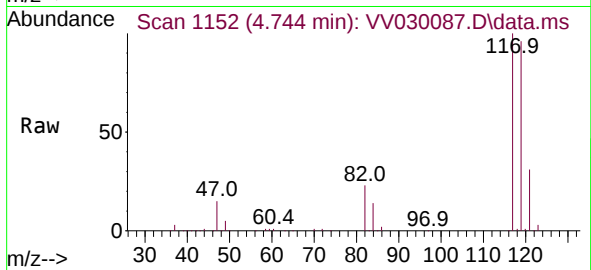
VSTD010225

Tgt Ion:117 Resp: 209014

Ion Ratio Lower Upper

117 100

119 96.7 76.1 114.1



#33

Benzene

Concen: 10.473 ug/L

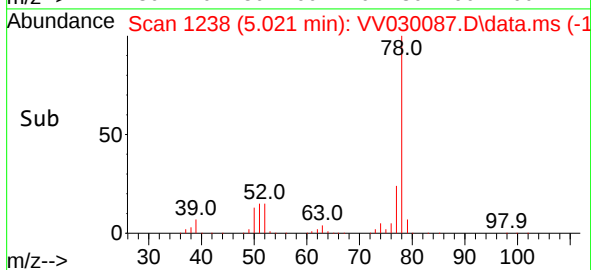
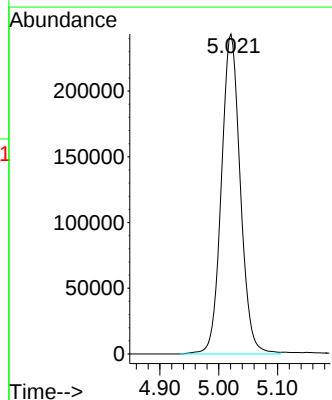
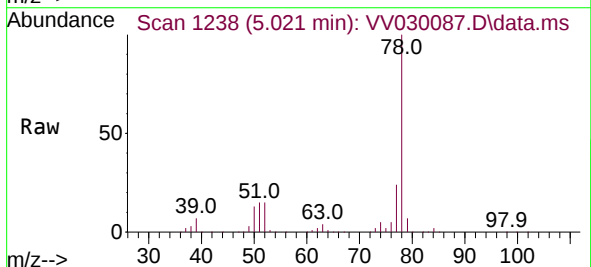
RT: 5.021 min Scan# 1238

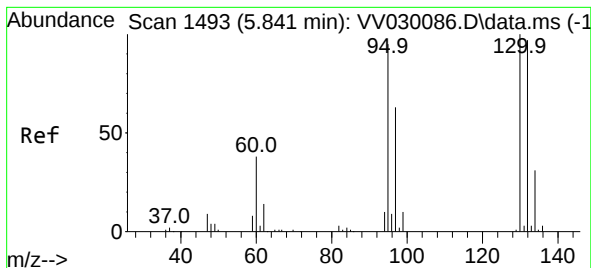
Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Tgt Ion: 78 Resp: 543817





#34

Trichloroethene

Concen: 10.398 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010225

Tgt Ion: 95 Resp: 151296

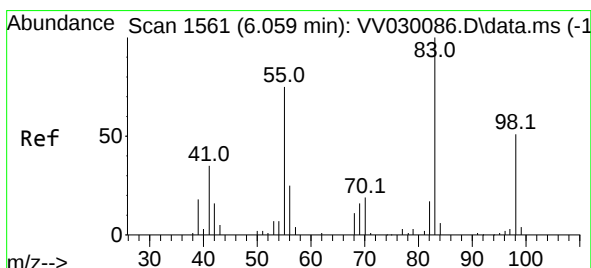
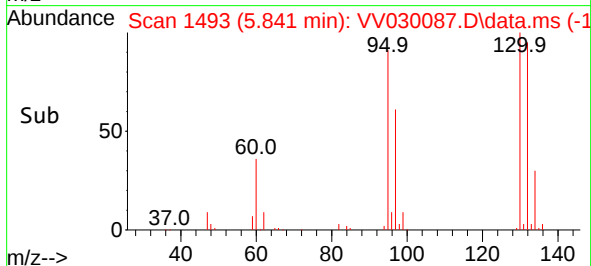
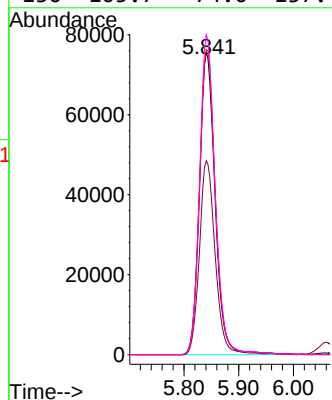
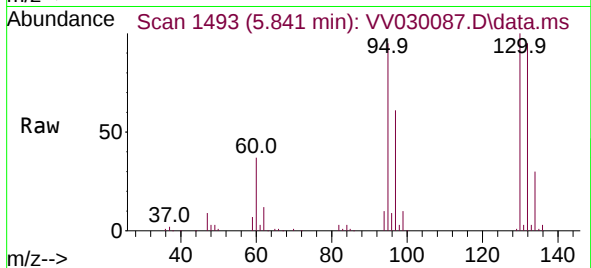
Ion Ratio Lower Upper

95 100

97 64.1 46.5 86.5

132 100.8 71.7 133.3

130 105.7 74.0 137.4



#35

Methylcyclohexane

Concen: 10.748 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

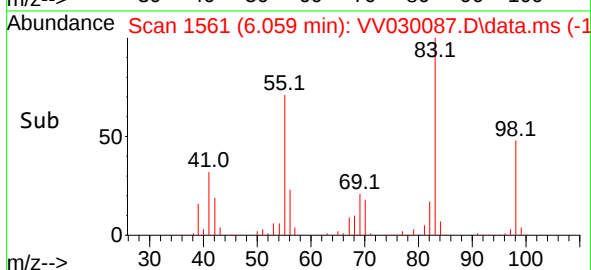
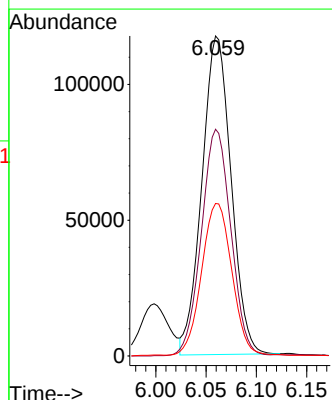
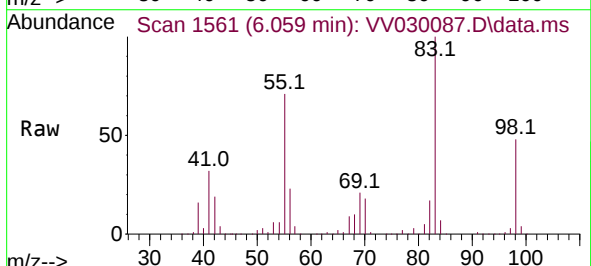
Tgt Ion: 83 Resp: 236671

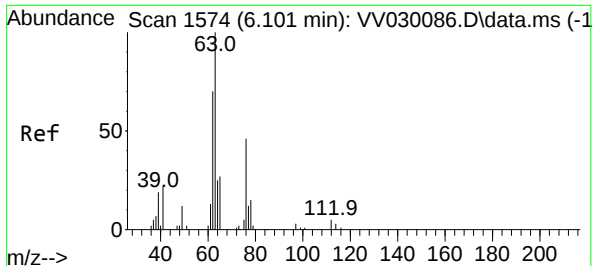
Ion Ratio Lower Upper

83 100

55 72.2 57.6 86.4

98 50.3 38.8 58.2





#37

1,2-Dichloropropane

Concen: 10.586 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

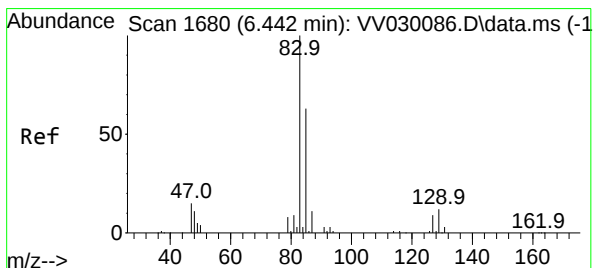
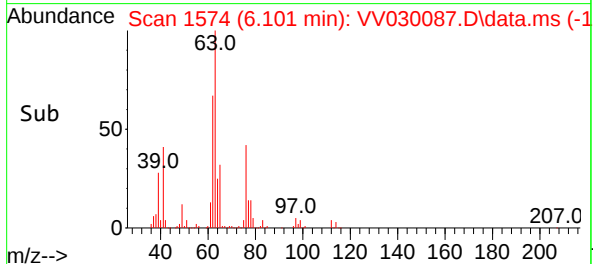
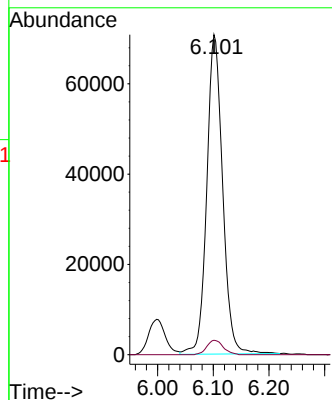
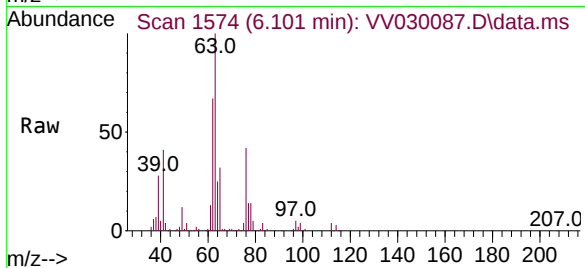
VSTD010225

Tgt Ion: 63 Resp: 139839

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 10.551 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

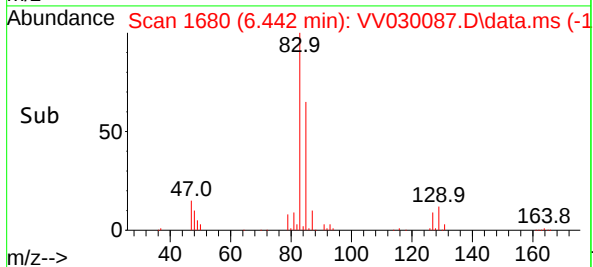
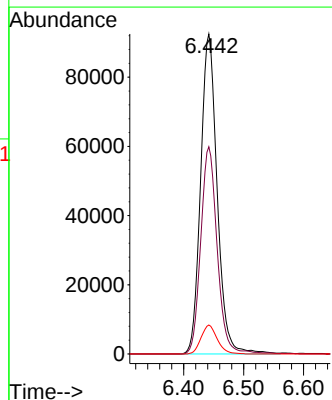
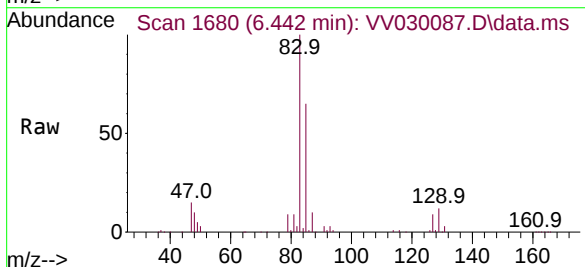
Tgt Ion: 83 Resp: 177938

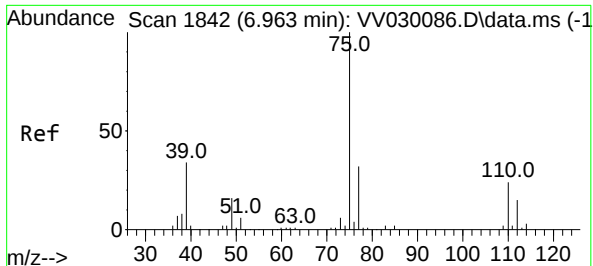
Ion Ratio Lower Upper

83 100

85 64.8 44.3 82.3

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 10.978 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

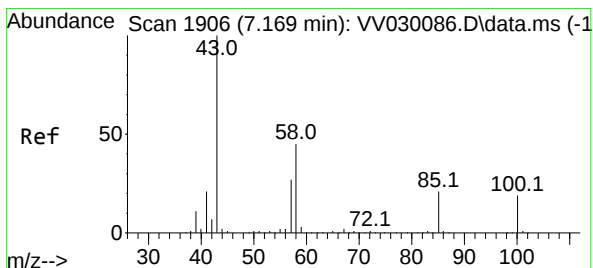
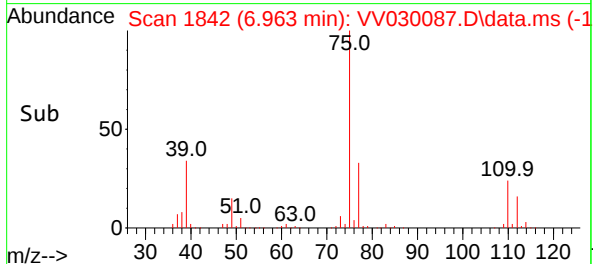
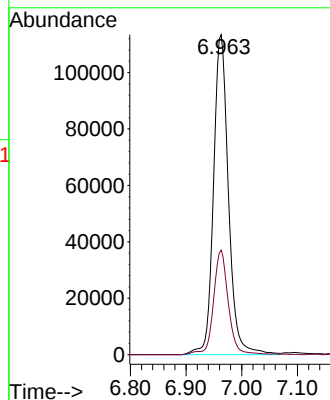
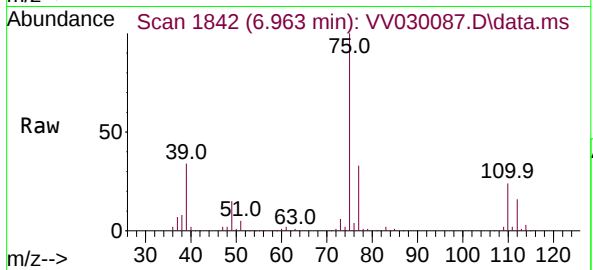
VSTD010225

Tgt Ion: 75 Resp: 212297

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 112.378 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

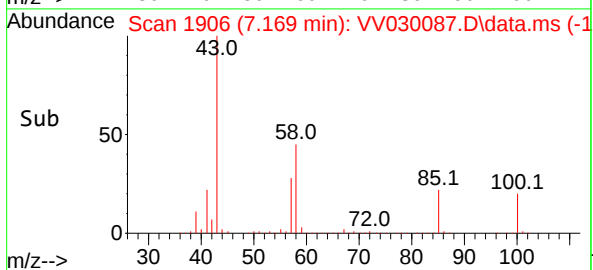
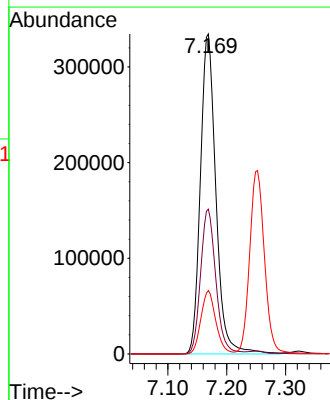
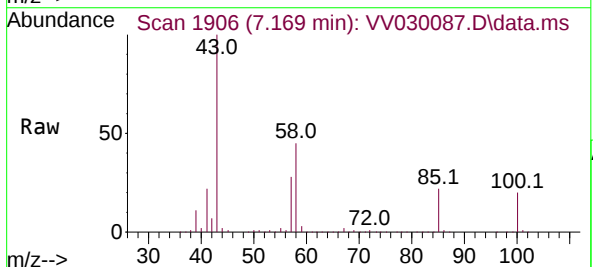
Tgt Ion: 43 Resp: 612591

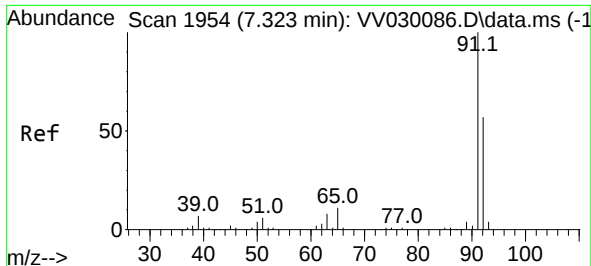
Ion Ratio Lower Upper

43 100

58 44.5 35.3 52.9

100 19.0 14.7 22.1





#42

Toluene

Concen: 10.765 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

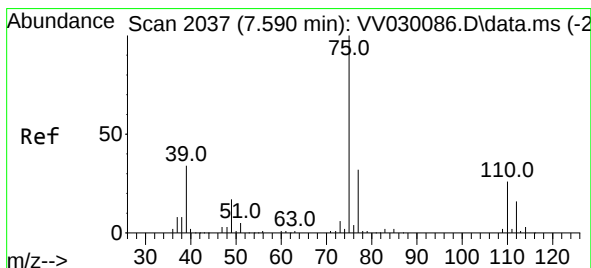
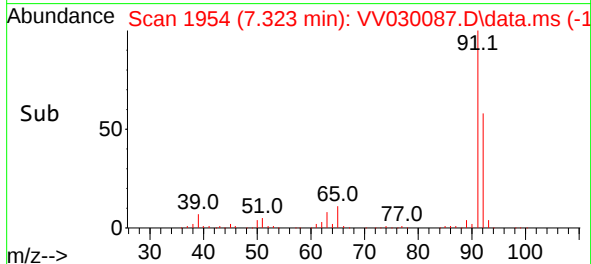
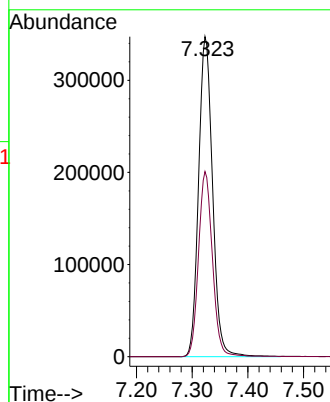
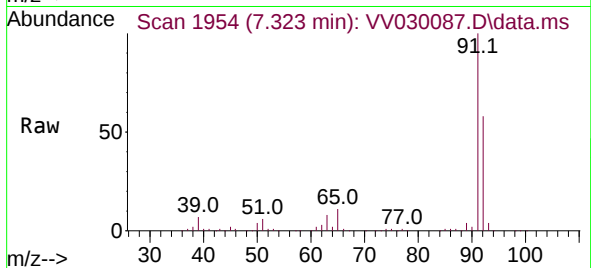
VSTD010225

Tgt Ion: 91 Resp: 605412

Ion Ratio Lower Upper

91 100

92 57.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 11.024 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030087.D

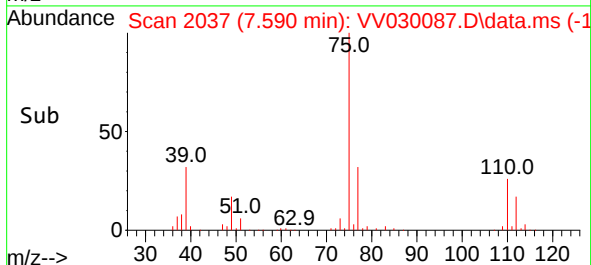
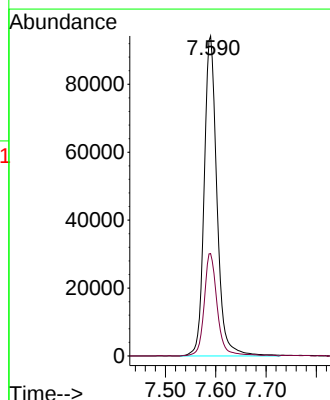
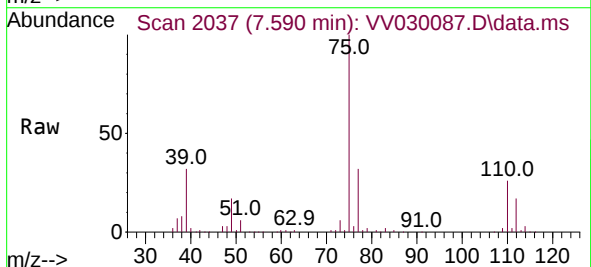
Acq: 23 Feb 2023 11:18

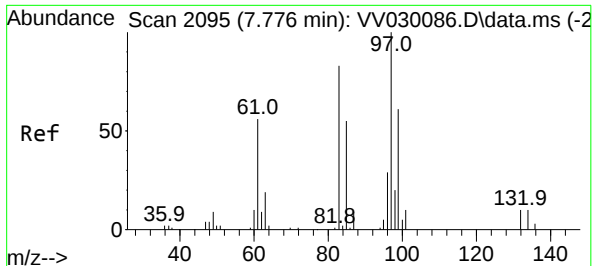
Tgt Ion: 75 Resp: 166425

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

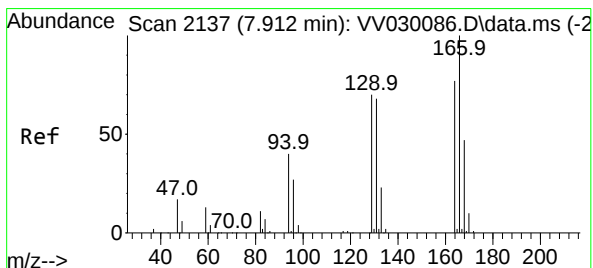
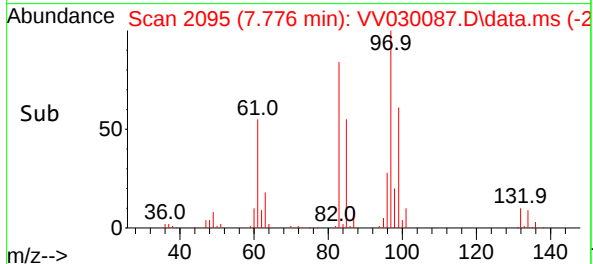
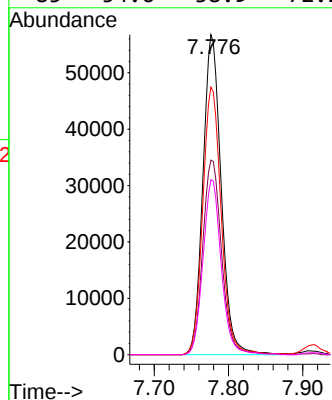
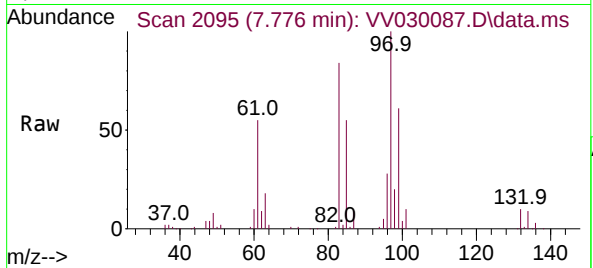




#45  
1,1,2-Trichloroethane  
Concen: 10.261 ug/L  
RT: 7.776 min Scan# 2095  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

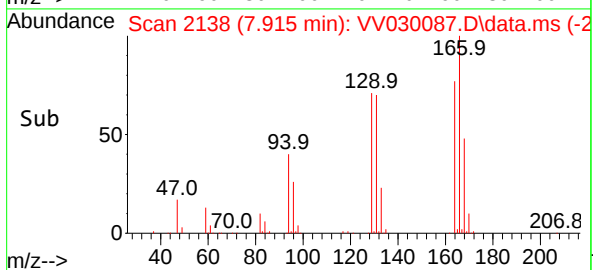
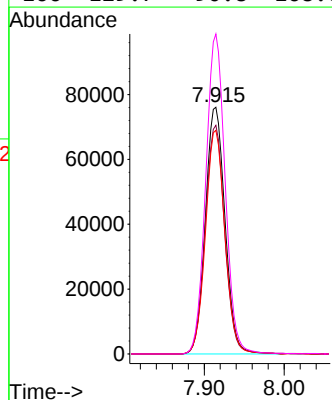
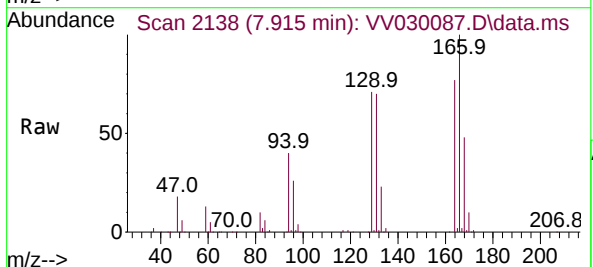
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

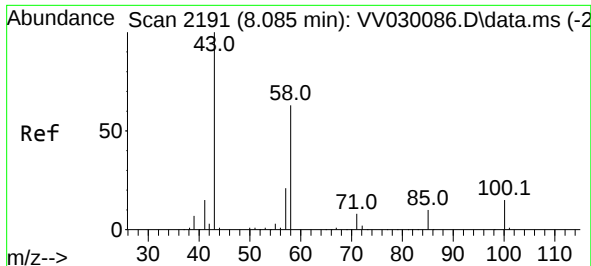
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 96988 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.8     | 42.6 79.2   |
| 83 83.6     | 57.7 107.3  |
| 85 54.6     | 38.9 72.2   |



#47  
Tetrachloroethene  
Concen: 10.435 ug/L  
RT: 7.915 min Scan# 2138  
Delta R.T. 0.003 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 130330 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 92.6    | 63.6  | 118.2  |
| 131 | 90.7    | 61.7  | 114.7  |
| 166 | 129.7   | 90.8  | 168.6  |



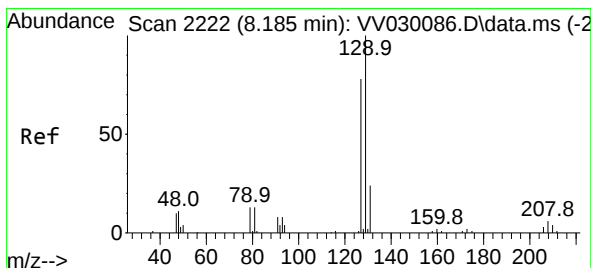
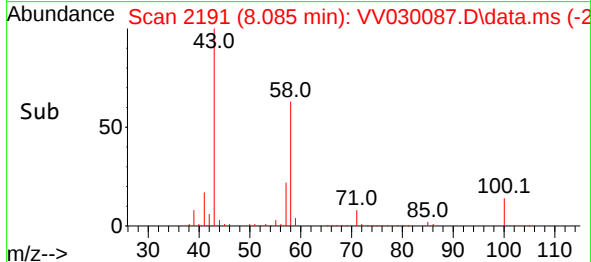
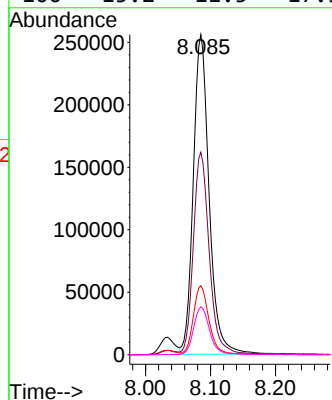
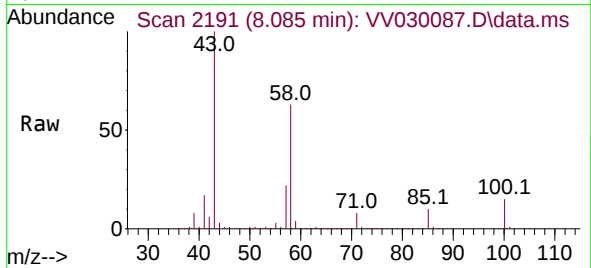


#48  
2-Hexanone  
Concen: 113.146 ug/L  
RT: 8.085 min Scan# 2191  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

Tgt Ion: 43 Resp: 434441

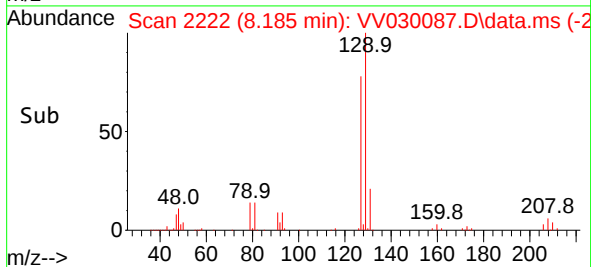
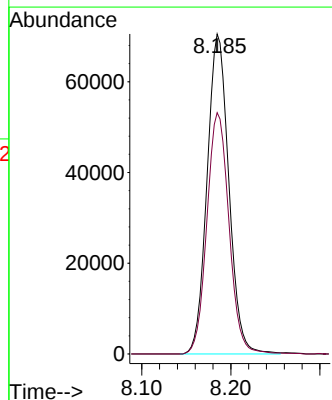
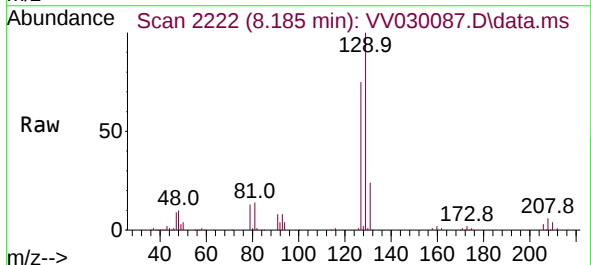
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 63.2  | 49.8  | 74.8  |
| 57  | 21.4  | 16.6  | 24.8  |
| 100 | 15.2  | 11.5  | 17.3  |

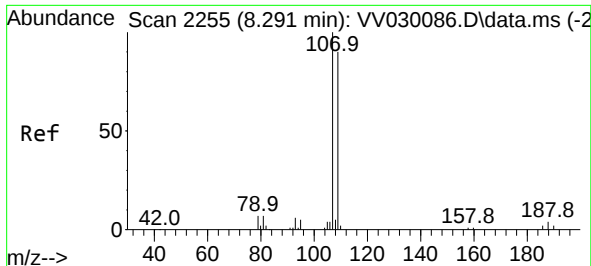


#49  
Dibromochloromethane  
Concen: 10.811 ug/L  
RT: 8.185 min Scan# 2222  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 129 Resp: 119581

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.4  | 54.7  | 101.5 |

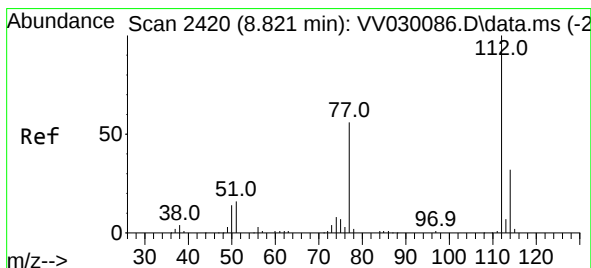
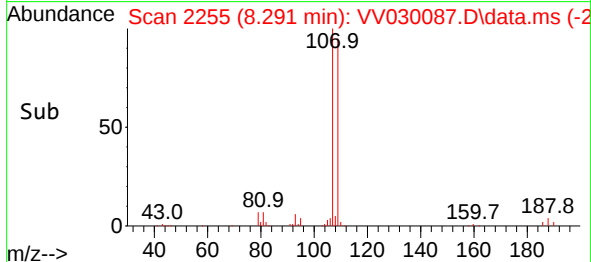
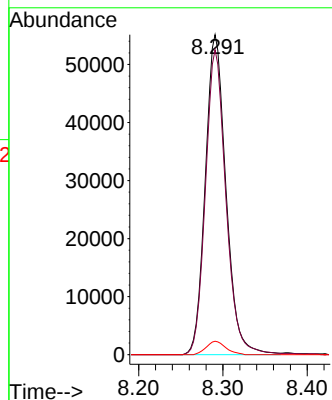
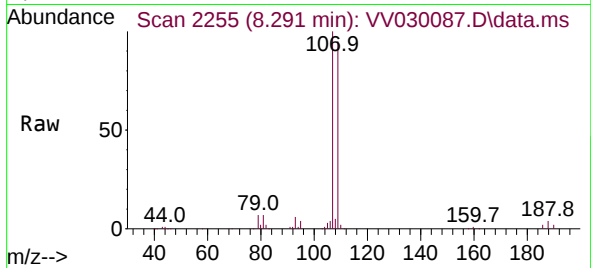




#50  
1,2-Dibromoethane  
Concen: 10.690 ug/L  
RT: 8.291 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

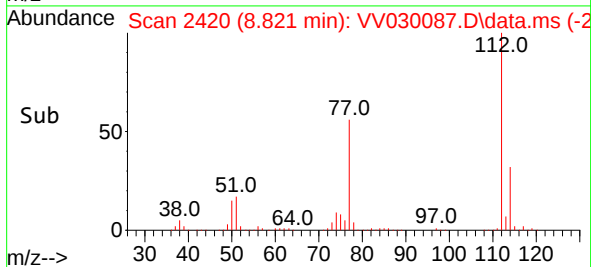
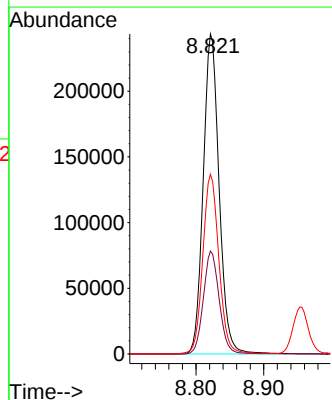
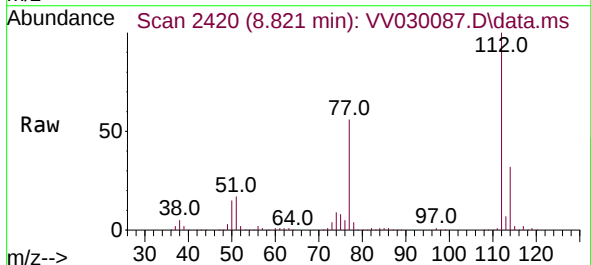
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

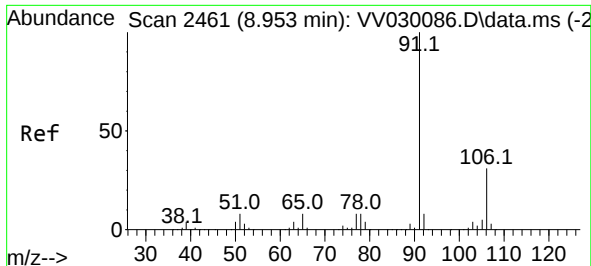
Tgt Ion:107 Resp: 94279  
Ion Ratio Lower Upper  
107 100  
109 95.3 63.3 117.7  
188 4.2 3.0 4.6



#51  
Chlorobenzene  
Concen: 10.457 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion:112 Resp: 396636  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.5 41.7  
77 56.2 45.3 67.9





#52

Ethylbenzene

Concen: 11.013 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

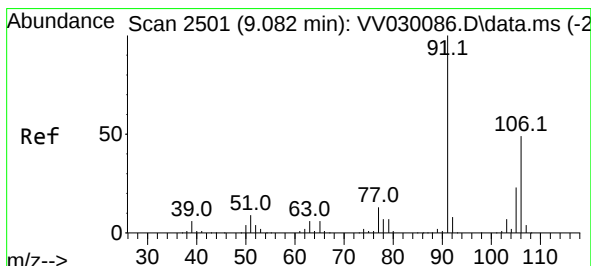
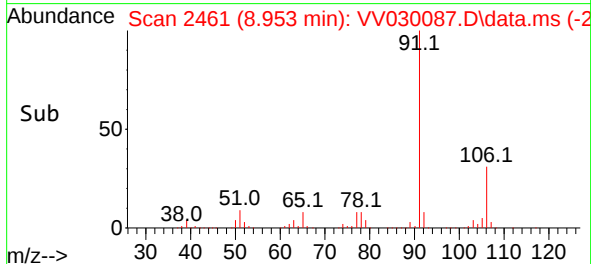
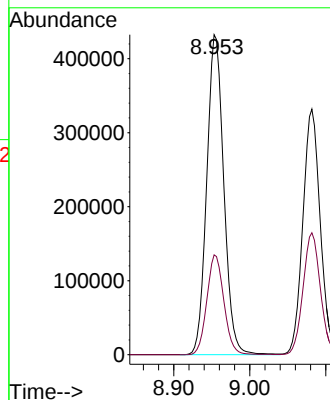
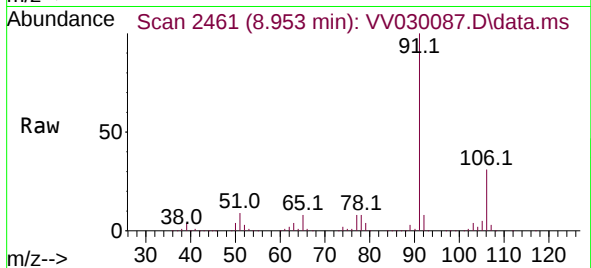
VSTD010225

Tgt Ion: 91 Resp: 674080

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 11.158 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030087.D

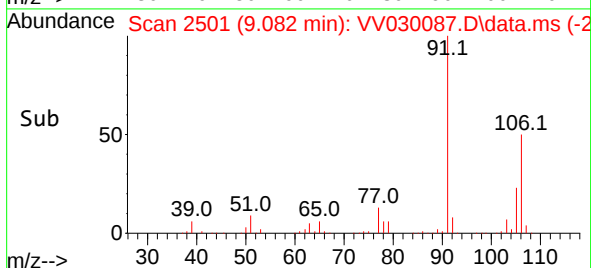
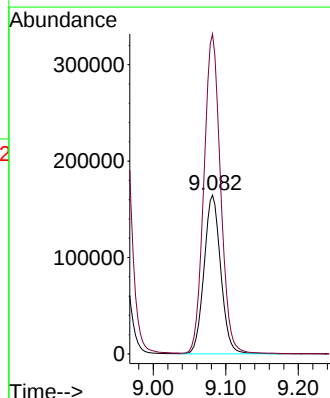
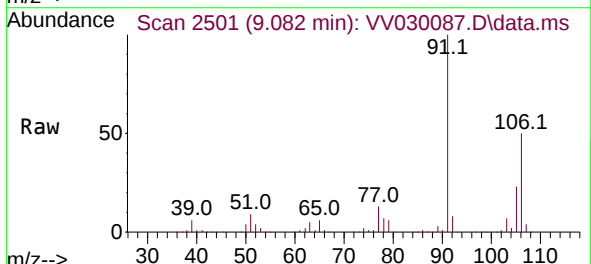
Acq: 23 Feb 2023 11:18

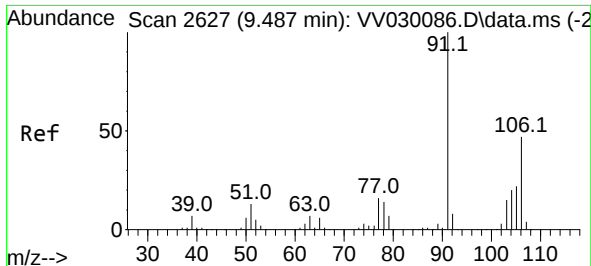
Tgt Ion: 106 Resp: 262471

Ion Ratio Lower Upper

106 100

91 201.5 142.5 264.7

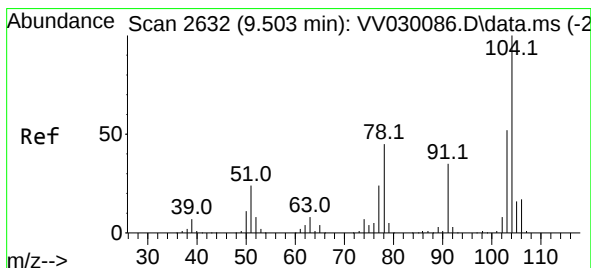
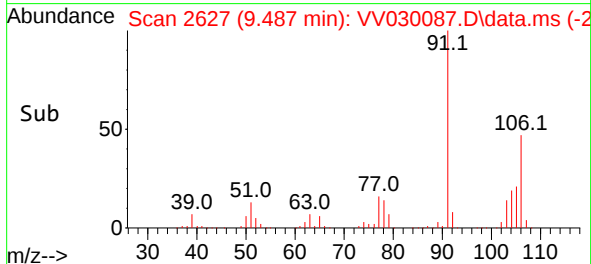
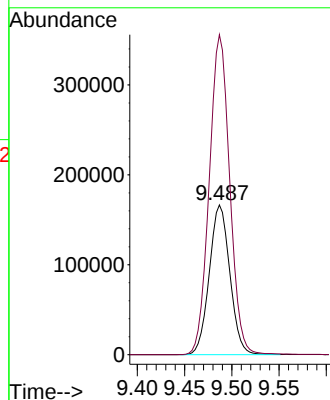
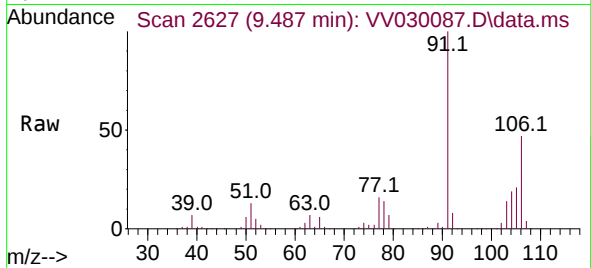




#54  
o-Xylene  
Concen: 11.215 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

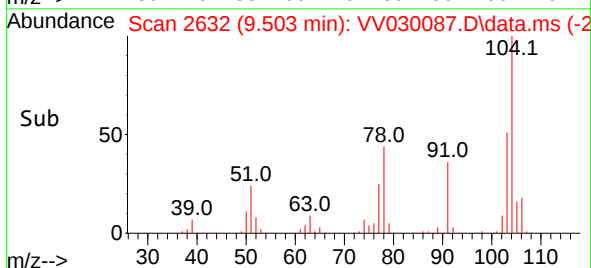
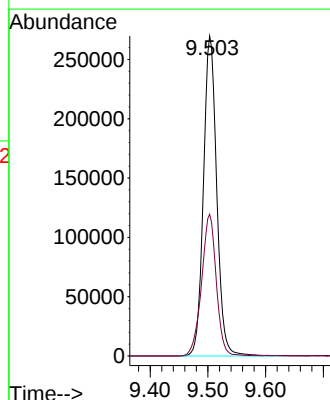
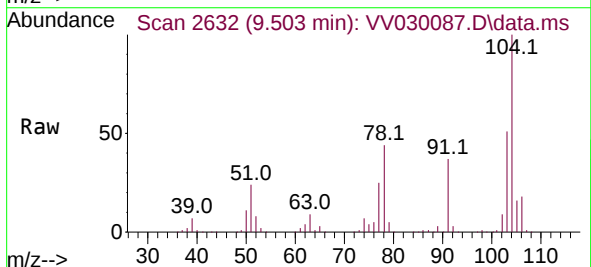
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

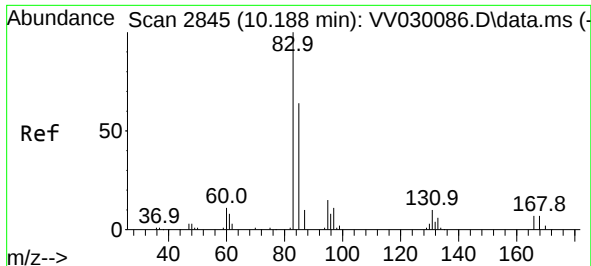
Tgt Ion:106 Resp: 251997  
Ion Ratio Lower Upper  
106 100  
91 213.6 148.8 276.4



#55  
Styrene  
Concen: 11.531 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion:104 Resp: 430872  
Ion Ratio Lower Upper  
104 100  
78 44.3 31.1 57.9

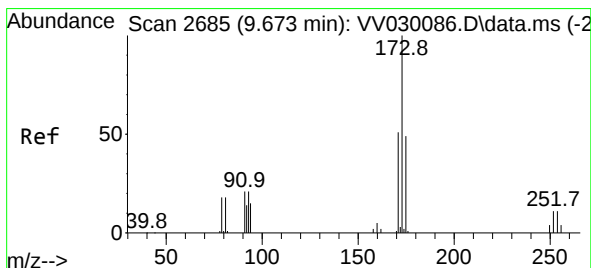
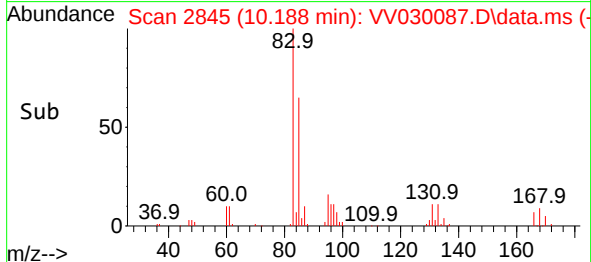
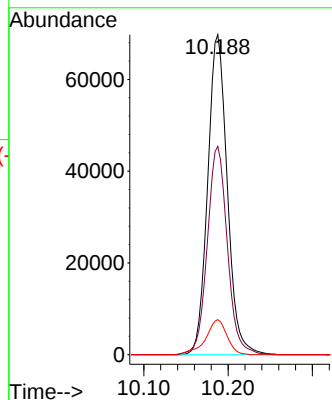
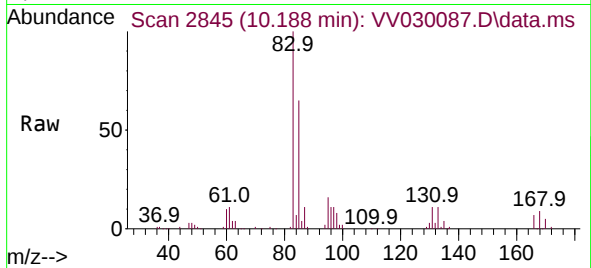




#57  
1,1,2,2-Tetrachloroethane  
Concen: 10.663 ug/L  
RT: 10.188 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

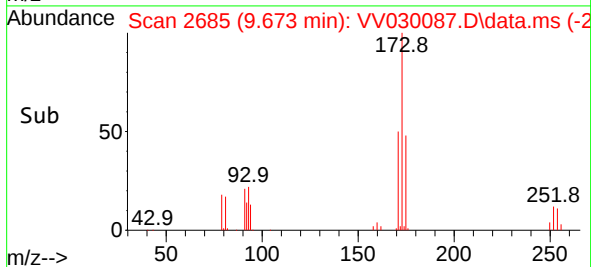
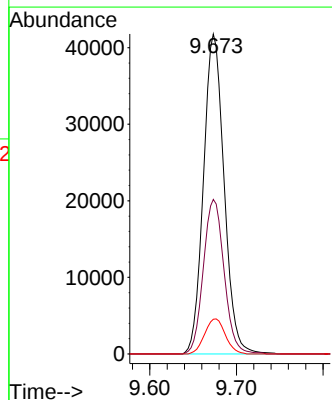
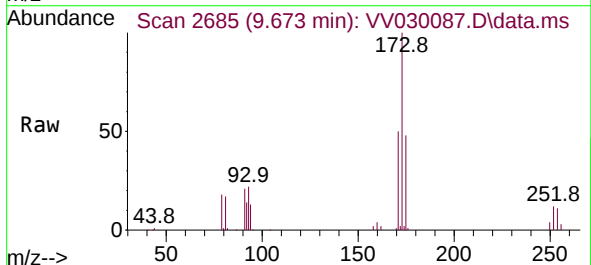
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

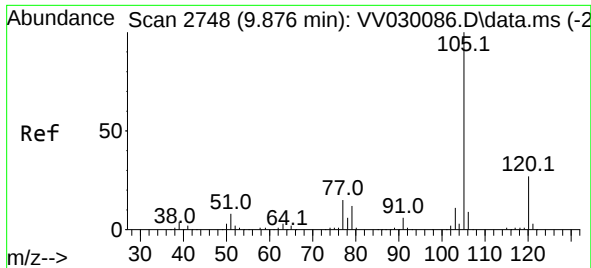
Tgt Ion: 83 Resp: 112746  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.0 83.6  
131 11.0 8.2 12.4



#59  
Bromoform  
Concen: 10.209 ug/L  
RT: 9.673 min Scan# 2685  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 173 Resp: 69074  
Ion Ratio Lower Upper  
173 100  
175 48.6 38.5 57.7  
254 11.0 8.6 13.0

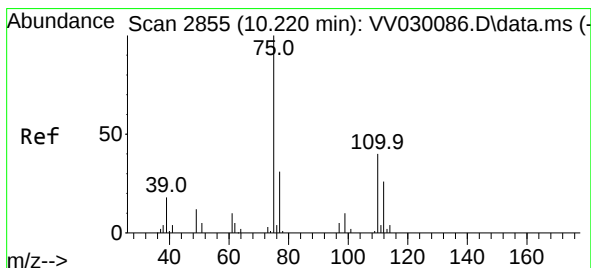
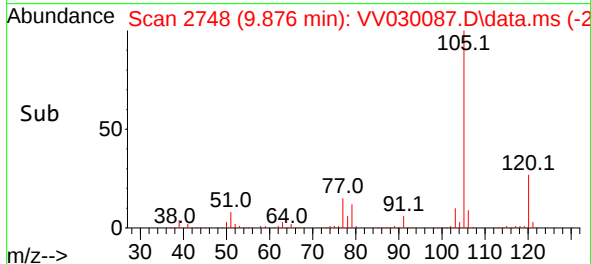
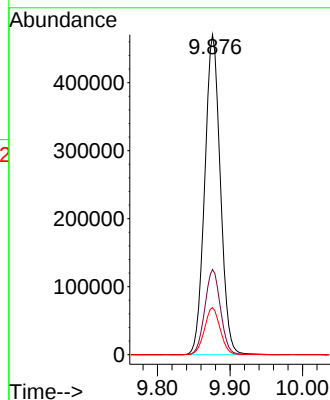
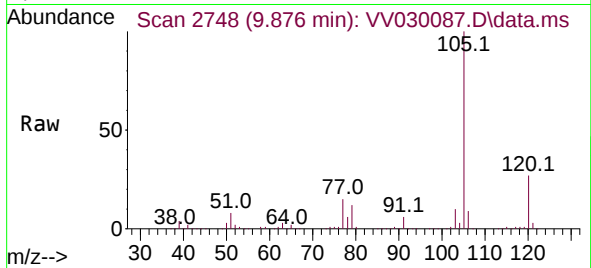




#60  
Isopropylbenzene  
Concen: 10.825 ug/L  
RT: 9.876 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

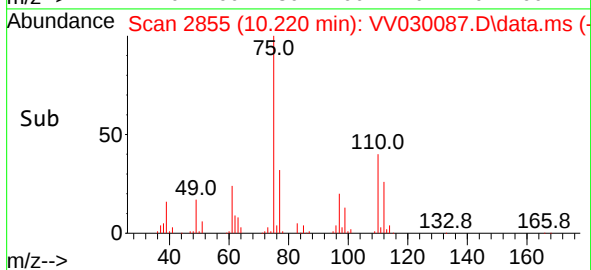
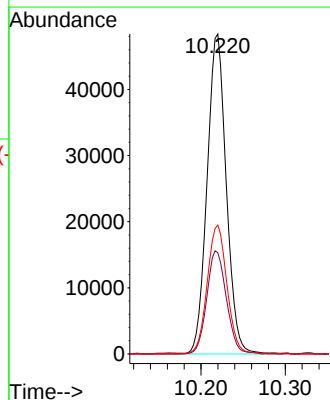
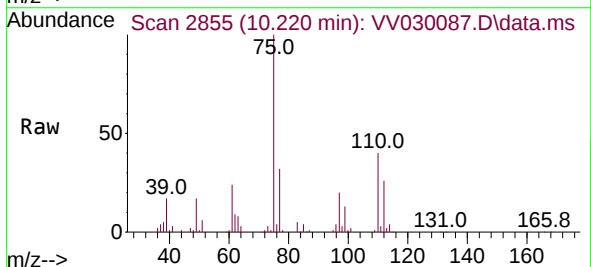
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010225

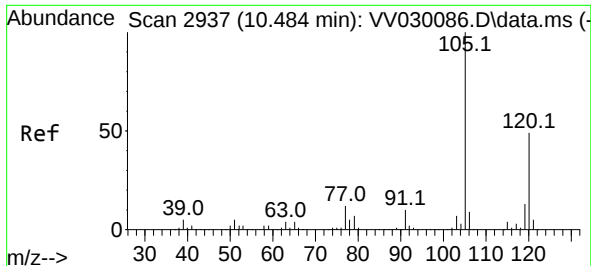
Tgt Ion:105 Resp: 703150  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.4 32.0  
77 14.9 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 10.151 ug/L  
RT: 10.220 min Scan# 2855  
Delta R.T. -0.000 min  
Lab File: VV030087.D  
Acq: 23 Feb 2023 11:18

Tgt Ion: 75 Resp: 76696  
Ion Ratio Lower Upper  
75 100  
77 32.8 26.5 39.7  
110 41.4 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 11.101 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

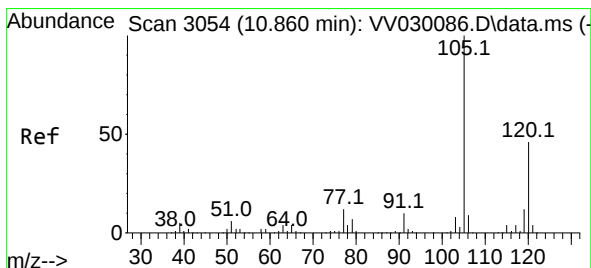
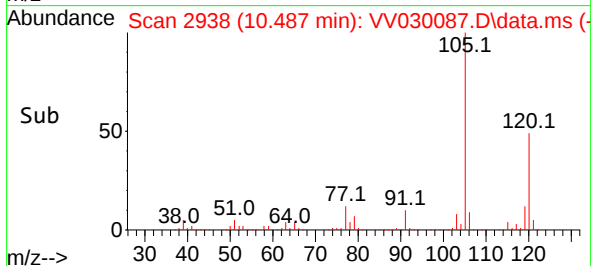
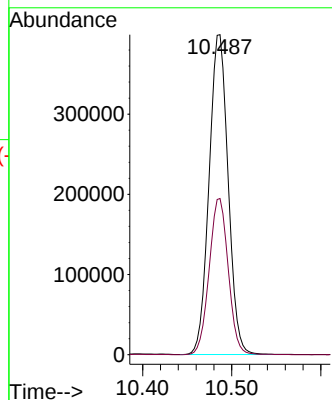
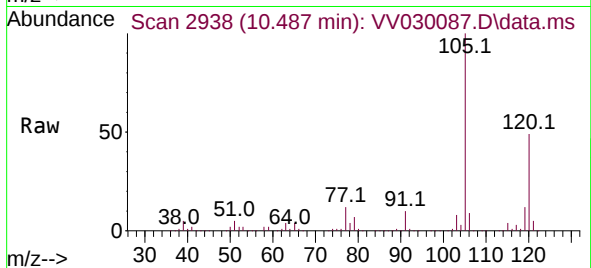
VSTD010225

Tgt Ion:105 Resp: 592305

Ion Ratio Lower Upper

105 100

120 48.8 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 11.185 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030087.D

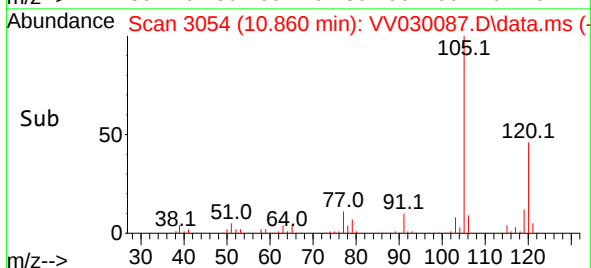
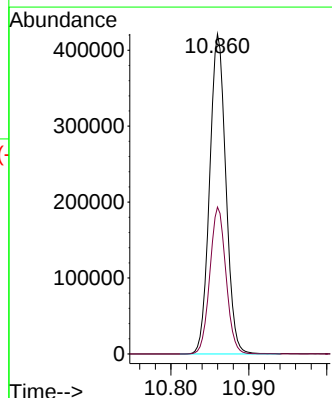
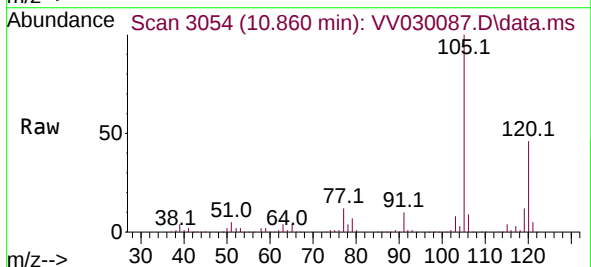
Acq: 23 Feb 2023 11:18

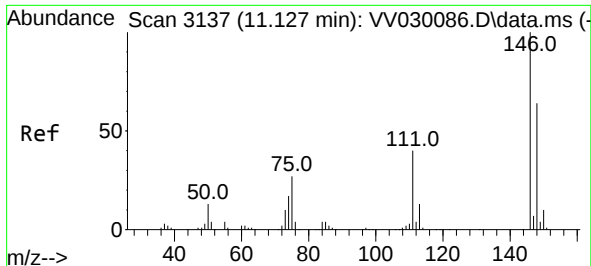
Tgt Ion:105 Resp: 610470

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4

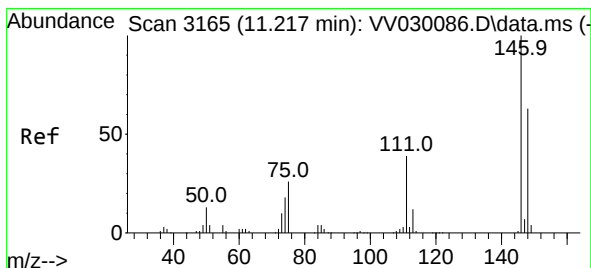
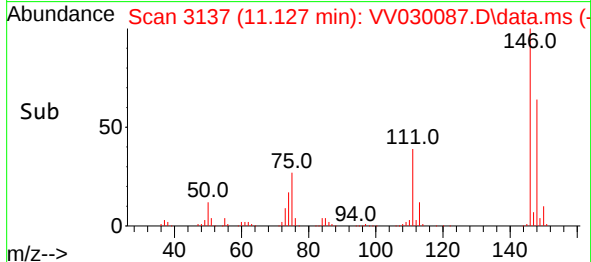
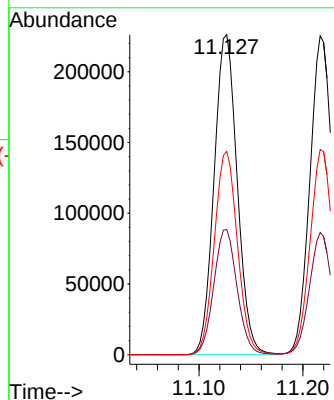
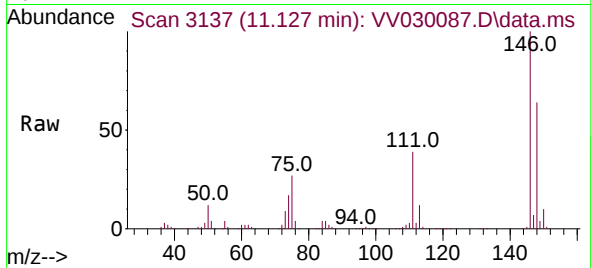




#64  
 1,3-Dichlorobenzene  
 Concen: 10.359 ug/L  
 RT: 11.127 min Scan# 3137  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

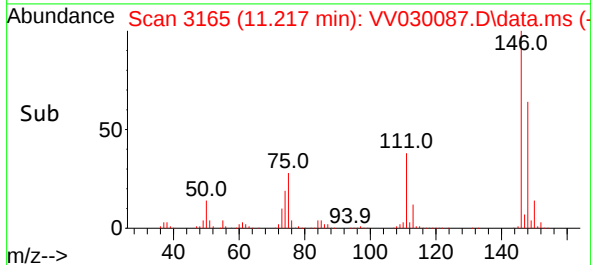
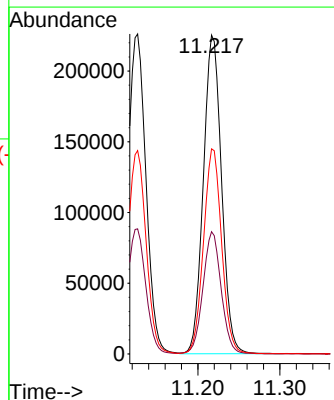
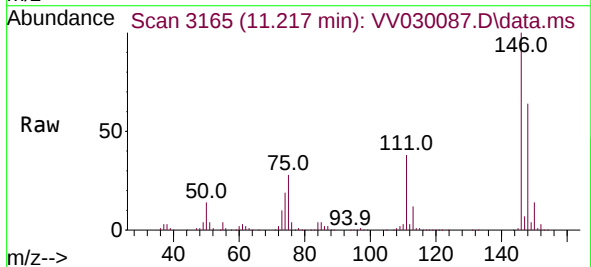
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

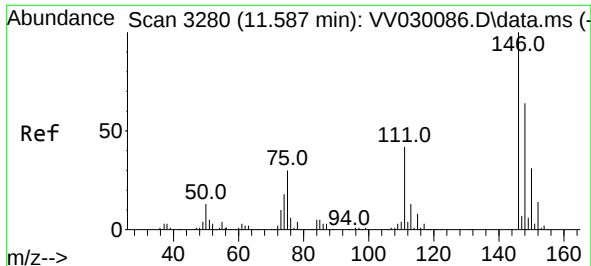
Tgt Ion:146 Resp: 350340  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 27.7 51.5  
 148 63.6 44.5 82.7



#65  
 1,4-Dichlorobenzene  
 Concen: 10.154 ug/L  
 RT: 11.217 min Scan# 3165  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

Tgt Ion:146 Resp: 346491  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 27.4 51.0  
 148 64.3 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 10.372 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010225

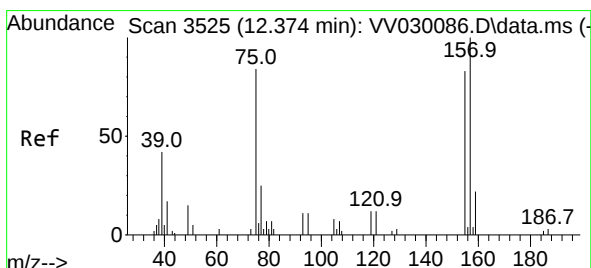
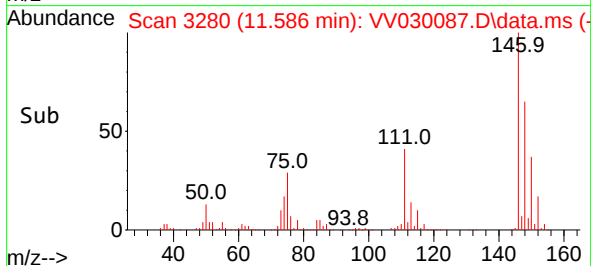
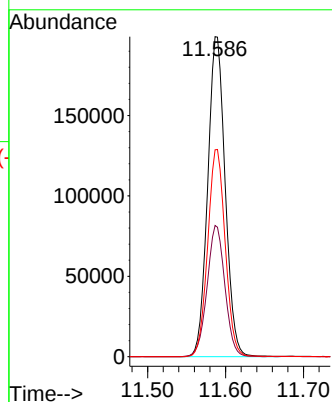
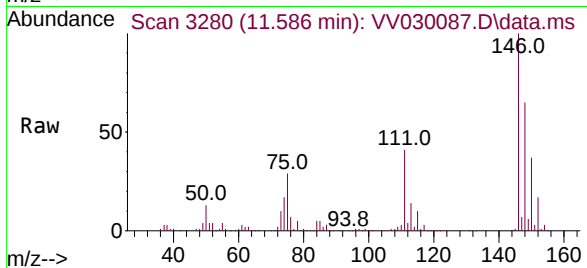
Tgt Ion:146 Resp: 309734

Ion Ratio Lower Upper

146 100

111 41.0 33.5 50.3

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 10.621 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

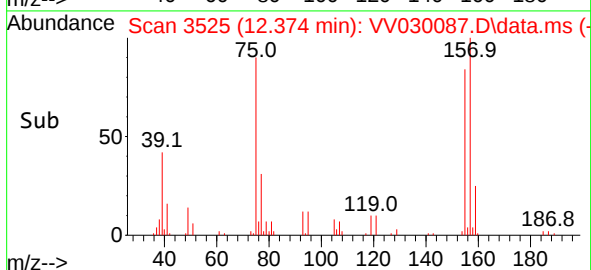
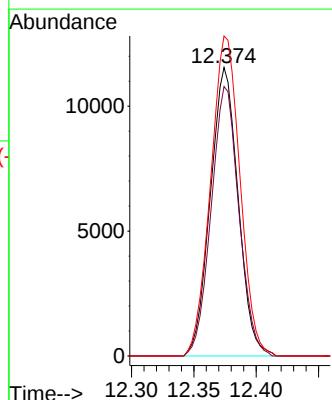
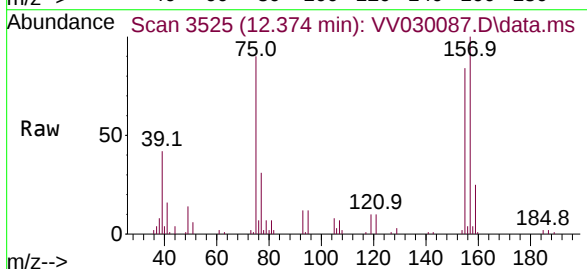
Tgt Ion: 75 Resp: 17923

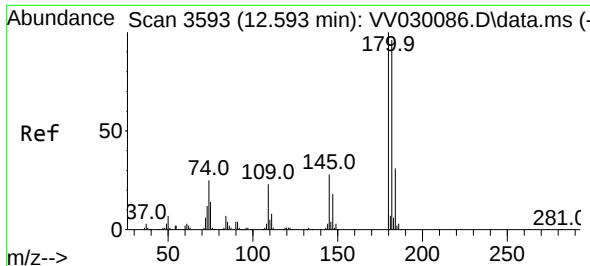
Ion Ratio Lower Upper

75 100

155 93.4 79.1 118.7

157 110.9 95.5 143.3

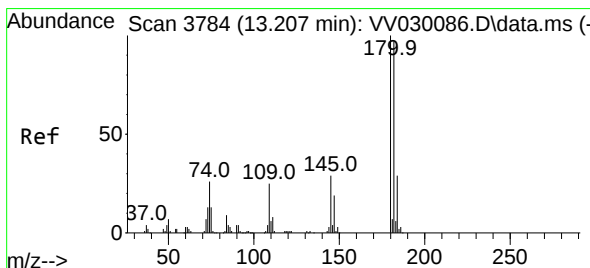
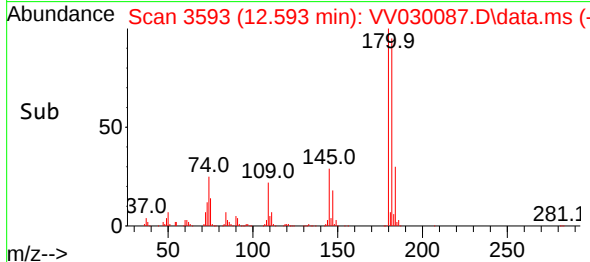
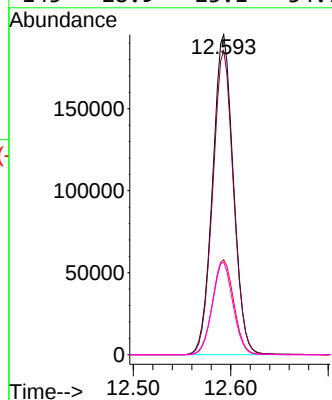
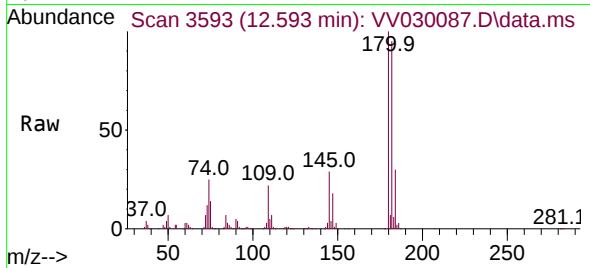




#69  
 1,3,5-Trichlorobenzene  
 Concen: 10.395 ug/L  
 RT: 12.593 min Scan# 3593  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

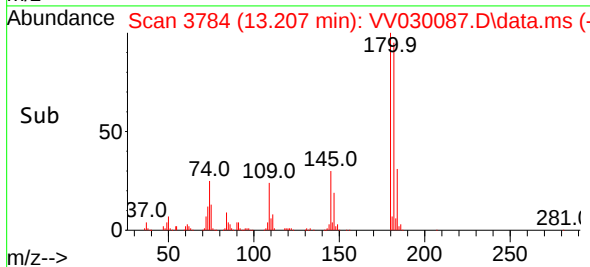
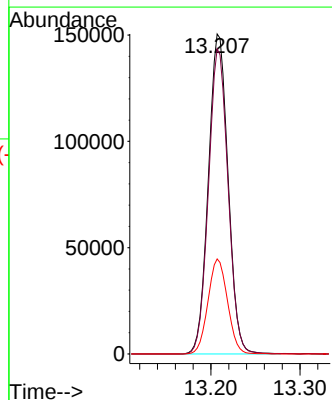
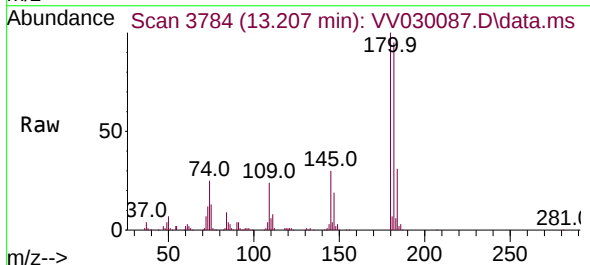
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010225

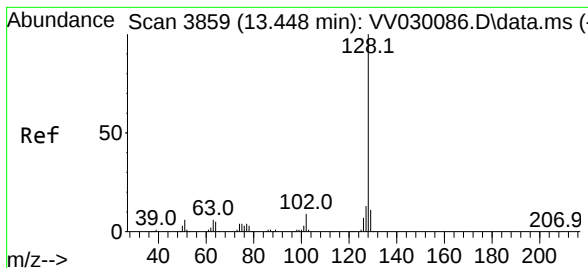
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 289016 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.2  | 76.5  | 114.7  |
| 184      | 30.3  | 24.3  | 36.5   |
| 145      | 28.9  | 23.1  | 34.7   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 10.238 ug/L  
 RT: 13.207 min Scan# 3784  
 Delta R.T. -0.000 min  
 Lab File: VV030087.D  
 Acq: 23 Feb 2023 11:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 230599 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.7  | 77.3  | 115.9  |
| 145      | 29.5  | 23.1  | 34.7   |





#71

Naphthalene

Concen: 10.957 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010225

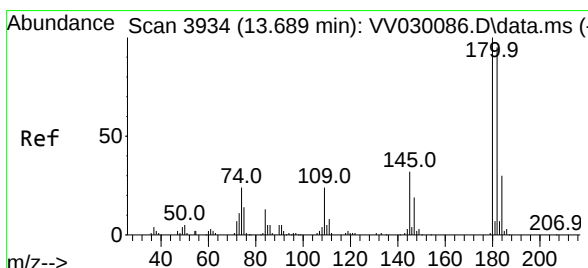
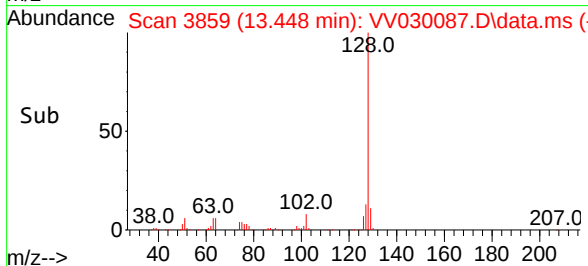
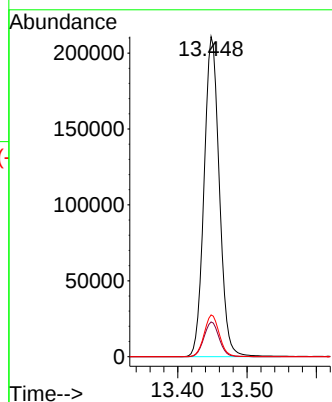
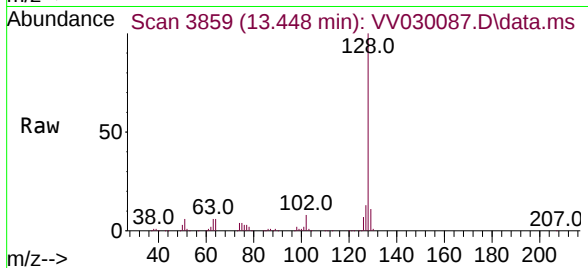
Tgt Ion:128 Resp: 322504

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 10.423 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030087.D

Acq: 23 Feb 2023 11:18

Tgt Ion:180 Resp: 193259

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 31.8 25.1 37.7

