

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071323\  
 Data File : VW031695.D  
 Acq On : 13 Jul 2023 14:21  
 Operator : SY/MD  
 Sample : VSTD01063  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010263

Quant Time: Jul 14 05:41:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 14 05:39:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114  | 211879   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117  | 221972   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 124703   | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 170035   | 9.062   | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 162045   | 9.527   | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65   | 76836    | 7.979   | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.818  | 46   | 525835   | 109.693 | ug/L   | 0.00     |
| 24) Chloroform-d              | 4.255  | 84   | 394848   | 9.878   | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65   | 198480   | 9.721   | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.966  | 84   | 683901   | 10.792  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67   | 230175   | 9.801   | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 645040   | 11.083  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79   | 80943    | 10.912  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.033  | 63   | 414497   | 120.315 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 181524   | 10.534  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 214069   | 9.857   | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 212883   | 9.251   | ug/L   | 99       |
| 3) Chloromethane              | 1.220  | 50   | 217993   | 9.143   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62   | 205628   | 9.027   | ug/L # | 32       |
| 6) Bromomethane               | 1.487  | 94   | 124096   | 8.911   | ug/L   | 96       |
| 8) Chloroethane               | 1.551  | 64   | 123594   | 9.351   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.715  | 101  | 307375   | 9.351   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 154629   | 8.553   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 141380   | 8.553   | ug/L   | 88       |
| 13) Acetone                   | 2.149  | 43   | 262796   | 87.396  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.240  | 76   | 480960   | 9.372   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.387  | 43   | 67101    | 10.285  | ug/L   | 97       |
| 16) Methylene chloride        | 2.449  | 84   | 174135   | 7.927   | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73   | 312052   | 10.272  | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96   | 138217   | 9.670   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 300490   | 9.614   | ug/L   | 96       |
| 21) 2-Butanone                | 3.895  | 43   | 427220   | 107.619 | ug/L   | 87       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96   | 144194   | 10.204  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.156  | 128  | 68643    | 9.647   | ug/L   | 96       |
| 25) Chloroform                | 4.281  | 83   | 300025   | 9.760   | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 186328   | 9.638   | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.519  | 97   | 256766   | 9.578   | ug/L   | 98       |
| 30) Cyclohexane               | 4.590  | 56   | 207000   | 10.618  | ug/L # | 91       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 228049   | 9.641   | ug/L   | 98       |
| 33) Benzene                   | 5.014  | 78   | 607821   | 10.780  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 157365   | 9.837   | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.056  | 83   | 204024   | 10.199  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 171397   | 10.590  | ug/L # | 94       |
| 38) Bromodichloromethane      | 6.439  | 83   | 214602   | 9.987   | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 214135   | 10.990  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 1024567  | 118.432 | ug/L   | 99       |
| 42) Toluene                   | 7.320  | 91   | 623148   | 11.567  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 188228   | 10.710  | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071323\  
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 Acq On : 13 Jul 2023 14:21  
 Operator : SY/MD  
 Sample : VSTD01063  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

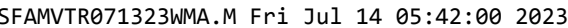
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010263

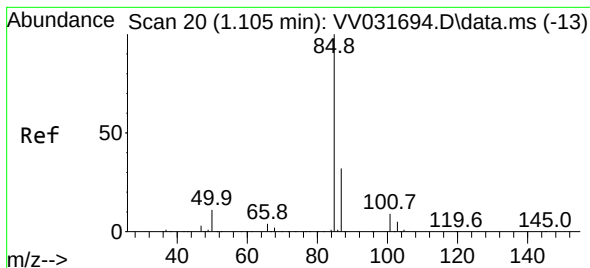
Quant Time: Jul 14 05:41:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 14 05:39:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 113738   | 9.459   | ug/L  | 95       |
| 47) Tetrachloroethene         | 7.911  | 164  | 110748   | 10.028  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.082  | 43   | 729531   | 112.335 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.181  | 129  | 139620   | 10.809  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.287  | 107  | 110104   | 9.792   | ug/L  | 94       |
| 51) Chlorobenzene             | 8.818  | 112  | 365348   | 10.173  | ug/L  | 97       |
| 52) Ethylbenzene              | 8.953  | 91   | 618628   | 11.458  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.078  | 106  | 230571   | 11.555  | ug/L  | 99       |
| 54) o-Xylene                  | 9.487  | 106  | 213030   | 11.509  | ug/L  | 96       |
| 55) Styrene                   | 9.503  | 104  | 414047   | 11.855  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 130319   | 10.240  | ug/L  | 93       |
| 59) Bromoform                 | 9.670  | 173  | 79090    | 9.500   | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.873  | 105  | 581787   | 10.532  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 106825   | 9.638   | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 470255   | 10.551  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 483709   | 10.874  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 301591   | 10.131  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 310029   | 9.839   | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 284953   | 9.988   | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 23443    | 10.292  | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 200575   | 9.212   | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 162706   | 9.431   | ug/L  | 98       |
| 71) Naphthalene               | 13.445 | 128  | 275456   | 9.897   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 160332   | 10.064  | ug/L  | 98       |
| -----                         |        |      |          |         |       |          |

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

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QLast Update : Fri Jul 14 05:39:57 2023  
Response via : Initial Calibration

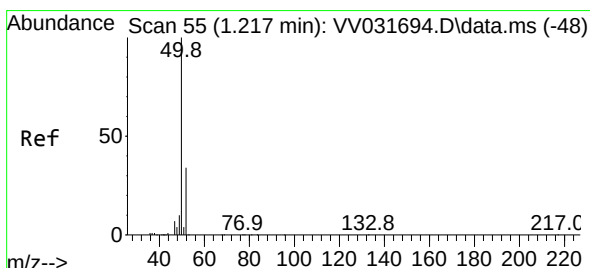
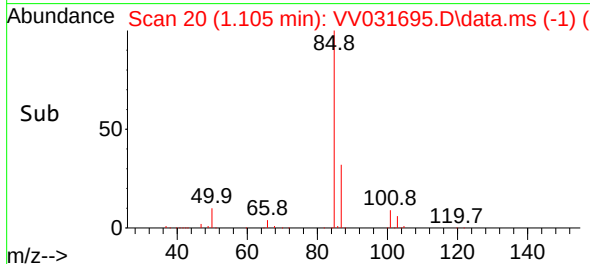
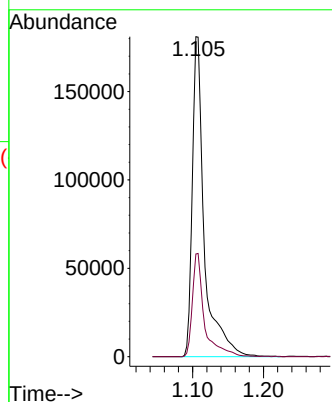
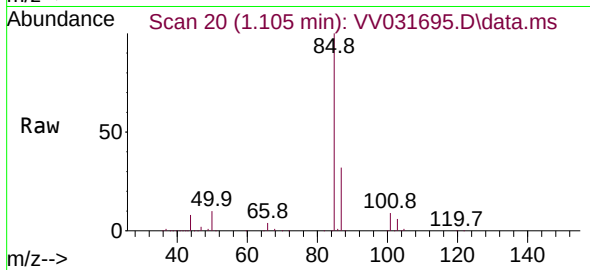




#2  
Dichlorodifluoromethane  
Concen: 9.251 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

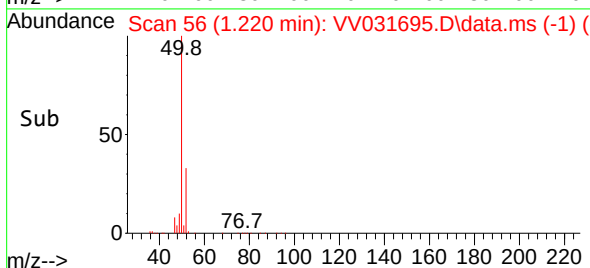
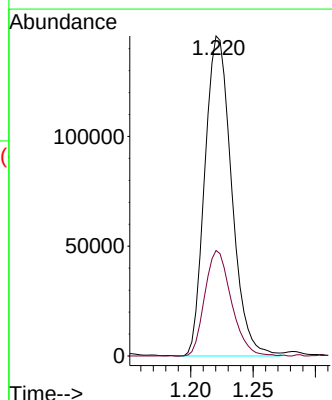
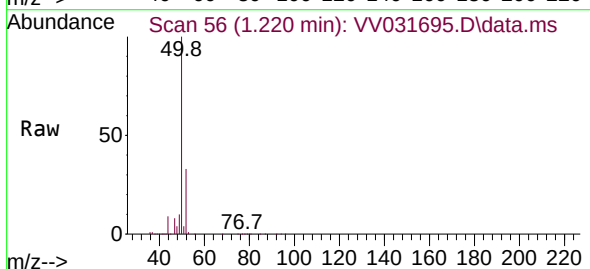
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

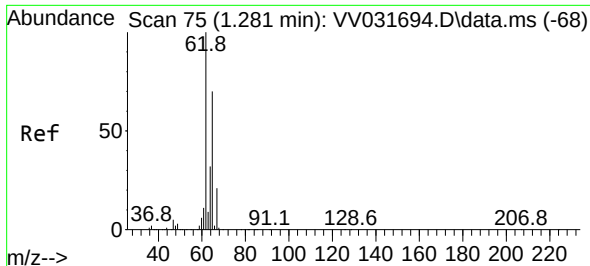
Tgt Ion: 85 Resp: 212883  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.5 38.3



#3  
Chloromethane  
Concen: 9.143 ug/L  
RT: 1.220 min Scan# 56  
Delta R.T. 0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 50 Resp: 217993  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.5 43.7

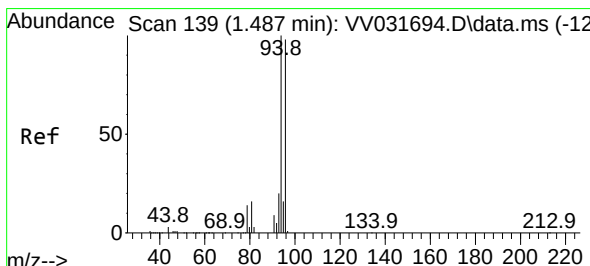
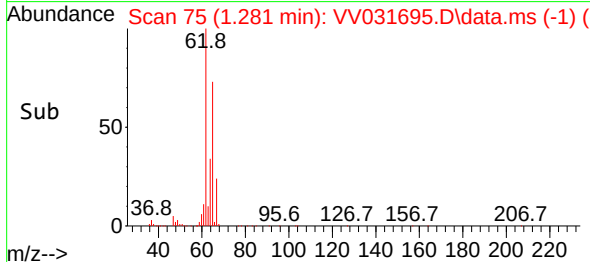
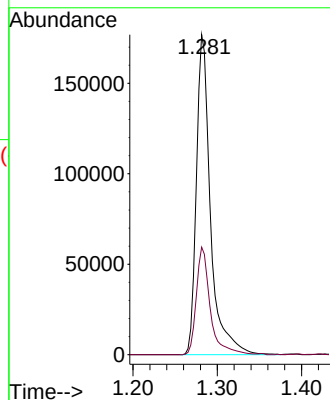
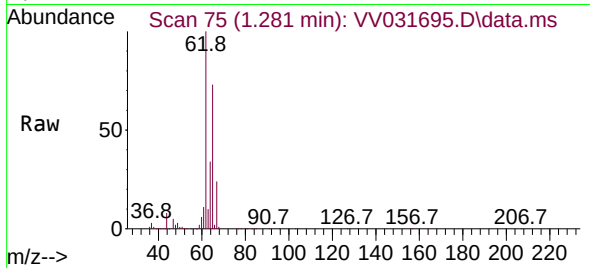




#5  
 Vinyl chloride  
 Concen: 9.027 ug/L  
 RT: 1.281 min Scan# 75  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

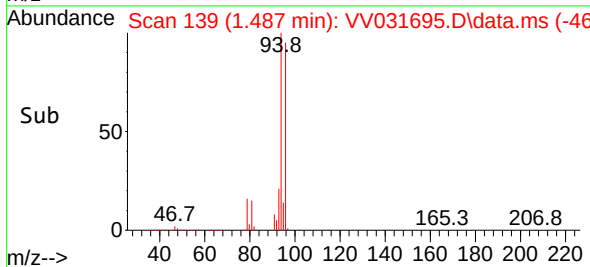
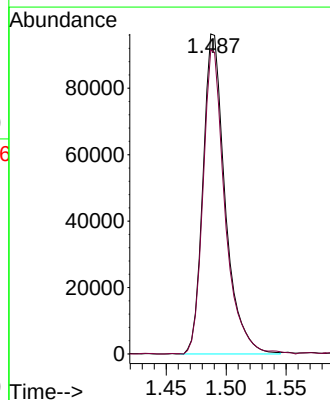
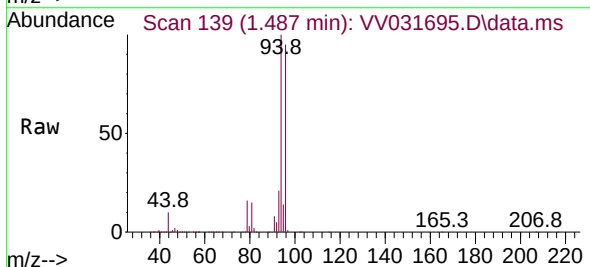
Instrument :  
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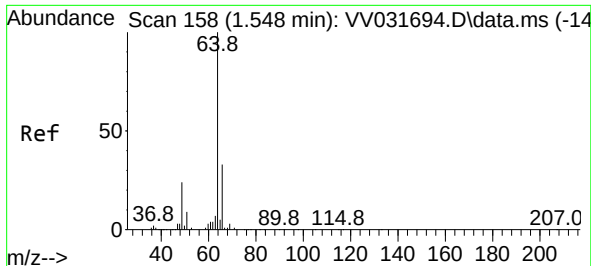
Tgt Ion: 62 Resp: 205628  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 71.7 133.1#



#6  
 Bromomethane  
 Concen: 8.911 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

Tgt Ion: 94 Resp: 124096  
 Ion Ratio Lower Upper  
 94 100  
 96 94.9 69.4 128.8

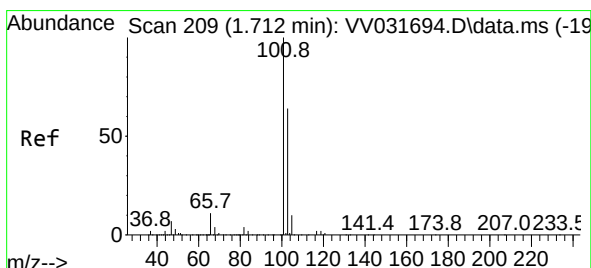
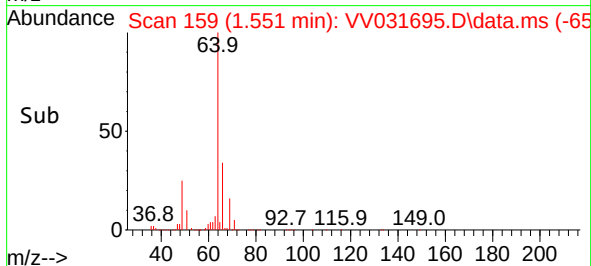
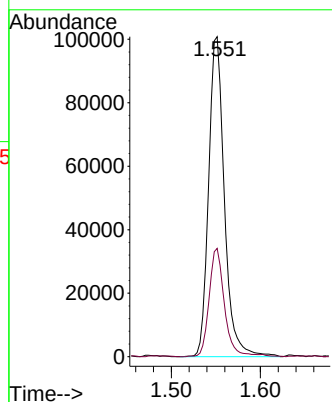
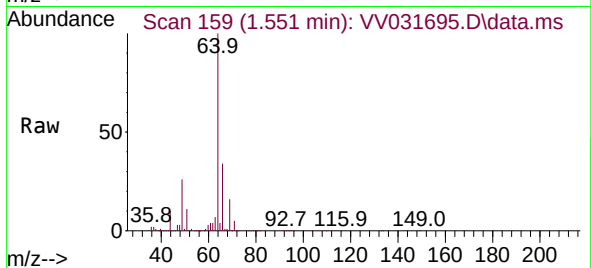




#8  
Chloroethane  
Concen: 9.351 ug/L  
RT: 1.551 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

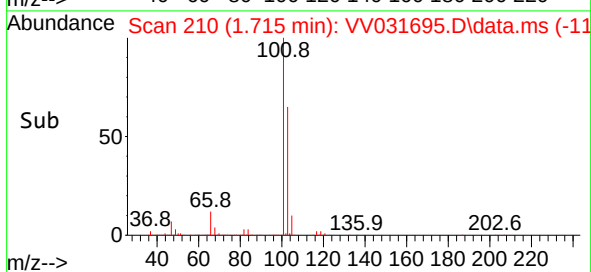
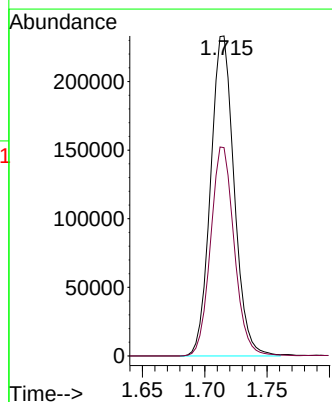
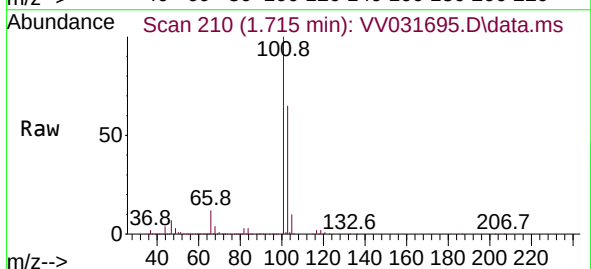
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

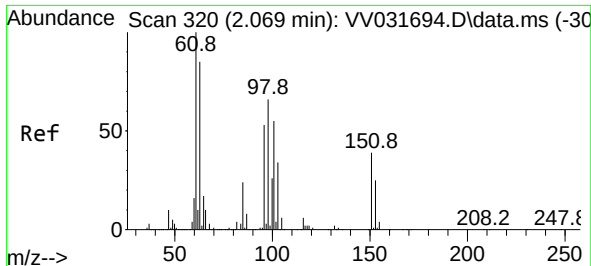
Tgt Ion: 64 Resp: 123594  
Ion Ratio Lower Upper  
64 100  
66 32.6 23.0 42.6



#9  
Trichlorofluoromethane  
Concen: 9.351 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. 0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 101 Resp: 307375  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.0 76.6

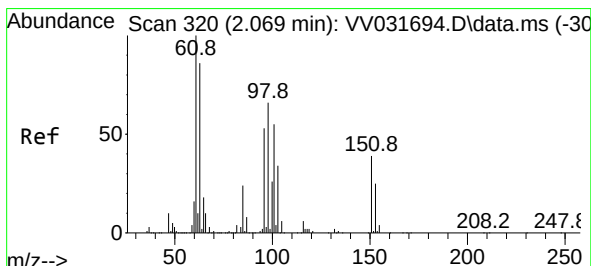
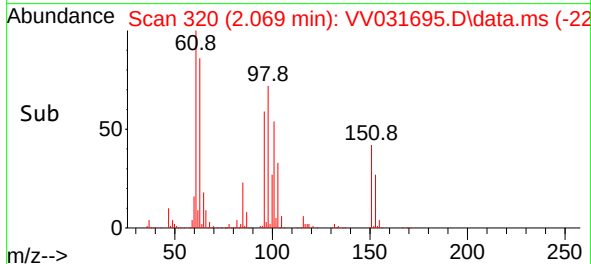
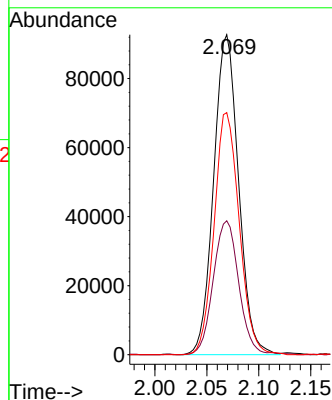
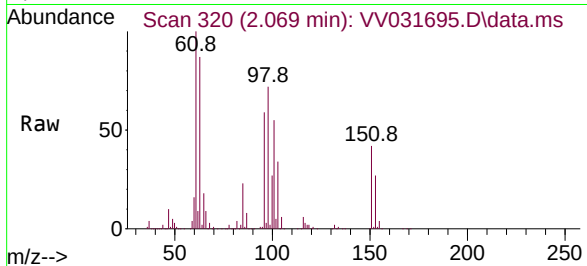




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 8.553 ug/L  
 RT: 2.069 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

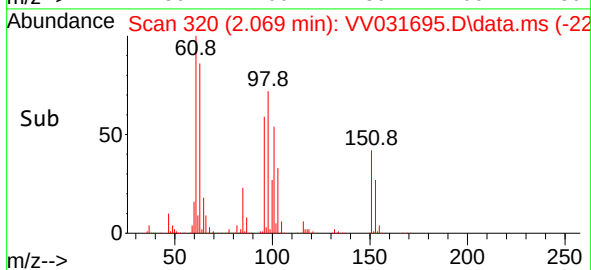
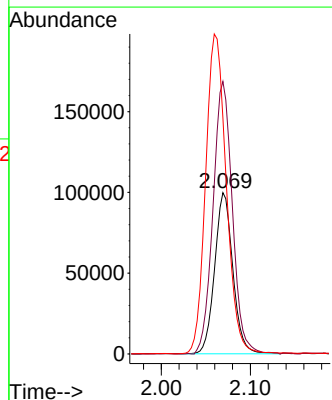
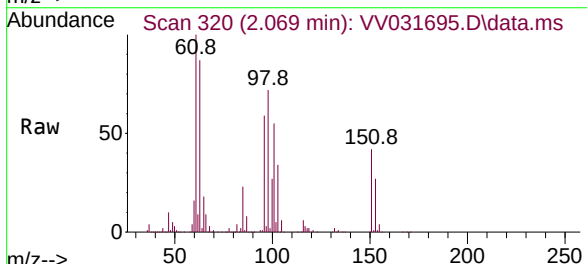
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010263

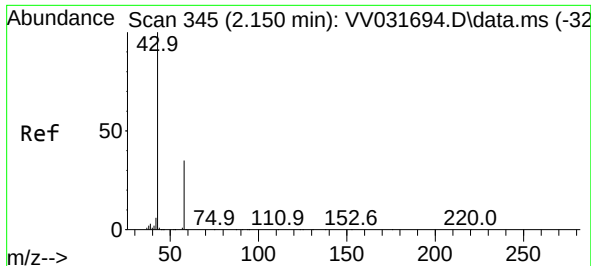
Tgt Ion:101 Resp: 154629  
 Ion Ratio Lower Upper  
 101 100  
 85 43.0 36.2 54.2  
 151 76.3 56.6 84.8



#12  
 1,1-Dichloroethene  
 Concen: 8.553 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

Tgt Ion: 96 Resp: 141380  
 Ion Ratio Lower Upper  
 96 100  
 61 169.1 131.3 243.9  
 63 146.3 112.6 209.2





#13

Acetone

Concen: 87.396 ug/L

RT: 2.149 min Scan# 345

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

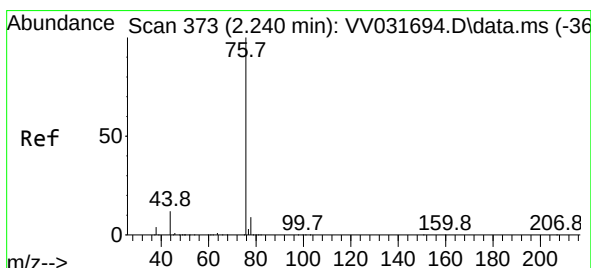
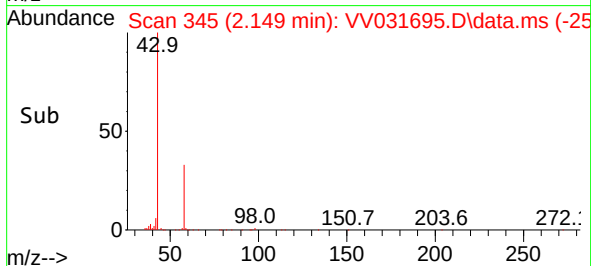
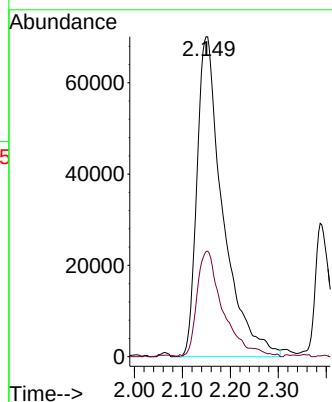
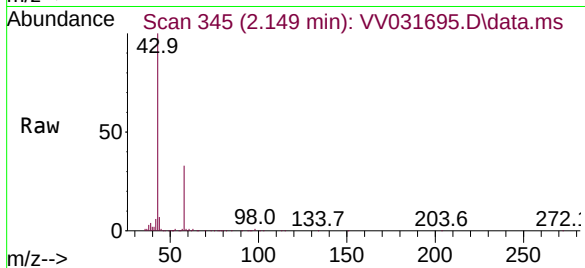
VSTD010263

Tgt Ion: 43 Resp: 262796

Ion Ratio Lower Upper

43 100

58 32.5 0.0 64.6



#14

Carbon disulfide

Concen: 9.372 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031695.D

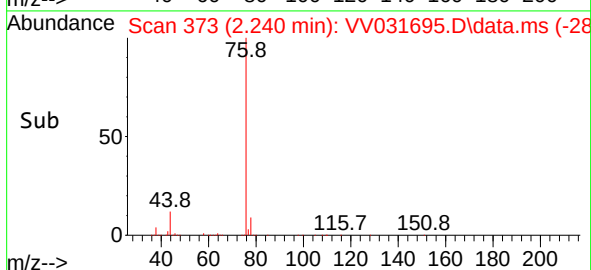
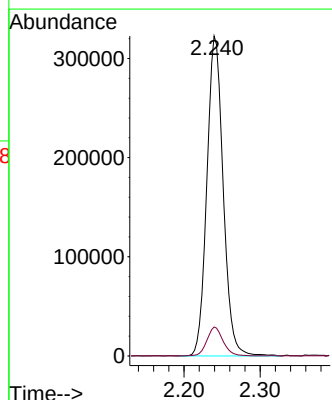
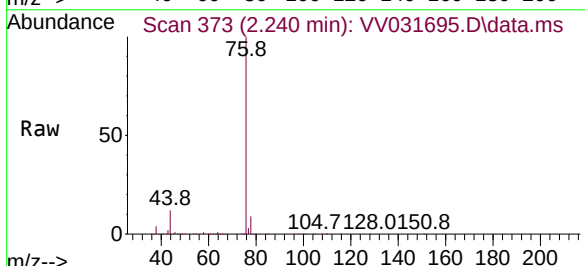
Acq: 13 Jul 2023 14:21

Tgt Ion: 76 Resp: 480960

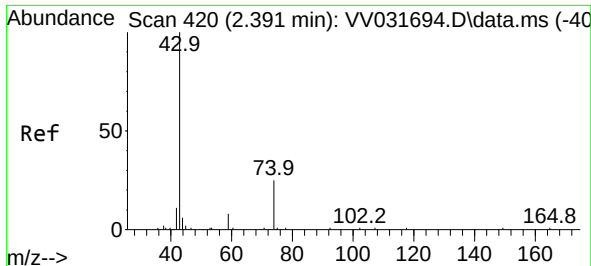
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



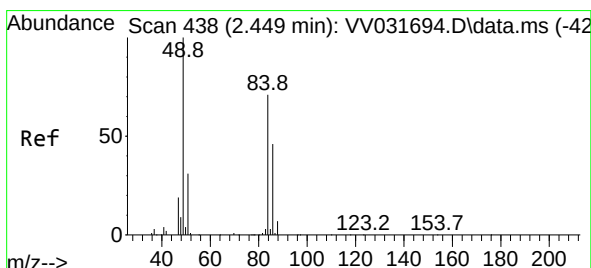
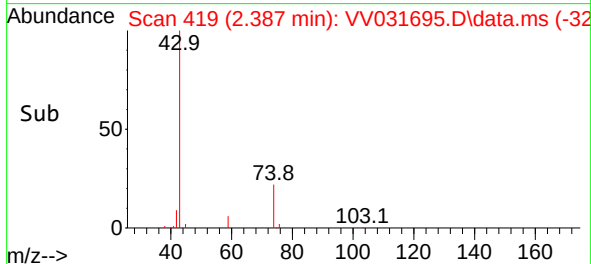
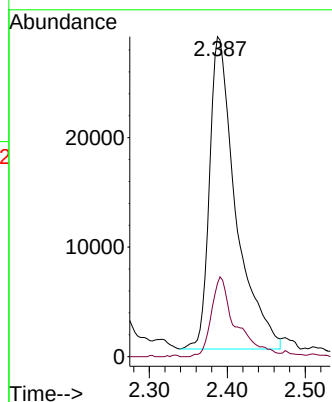
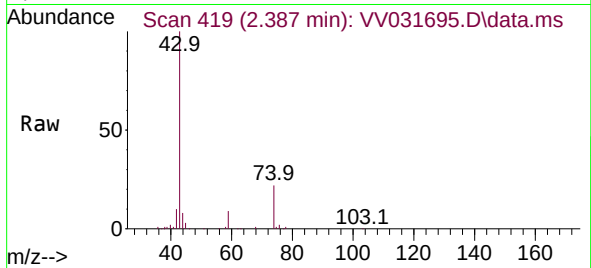




#15  
Methyl Acetate  
Concen: 10.285 ug/L  
RT: 2.387 min Scan# 419  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

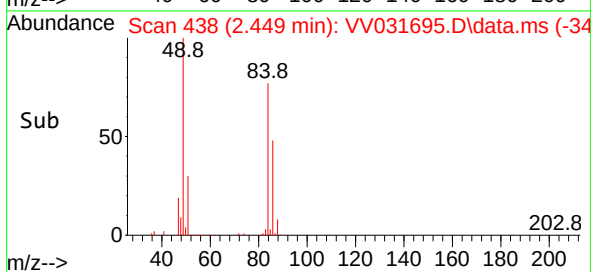
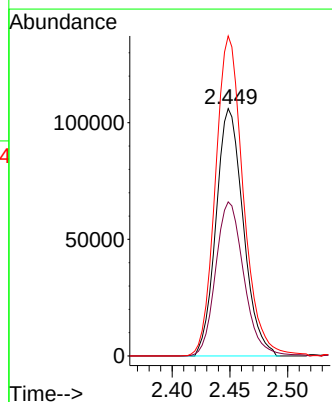
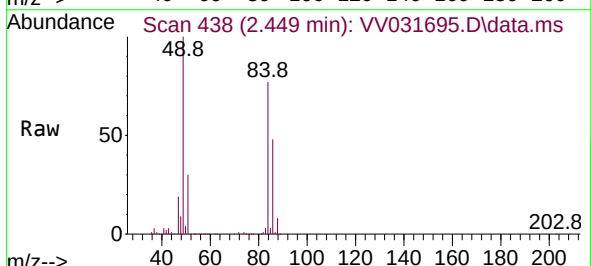
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

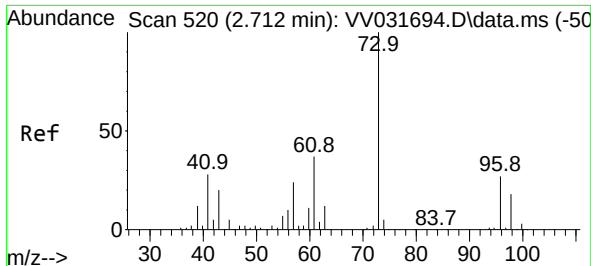
Tgt Ion: 43 Resp: 67101  
Ion Ratio Lower Upper  
43 100  
74 23.7 18.0 27.0



#16  
Methylene chloride  
Concen: 7.927 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 84 Resp: 174135  
Ion Ratio Lower Upper  
84 100  
86 62.3 46.3 86.1  
49 134.5 101.8 189.0

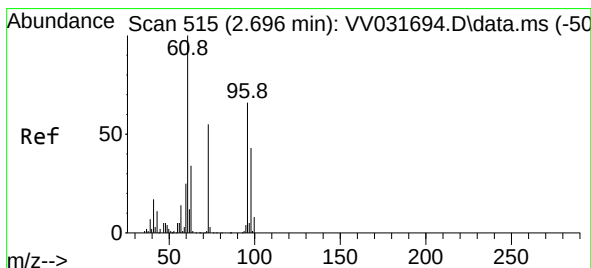
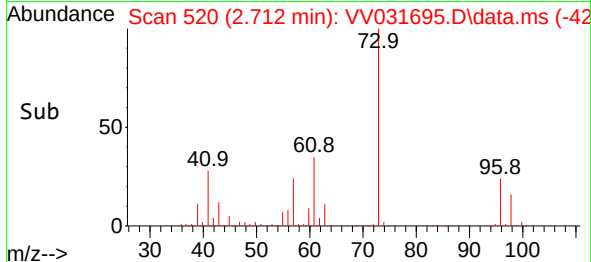
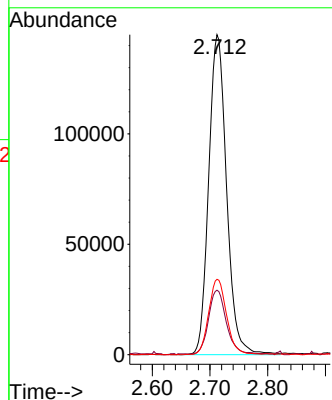
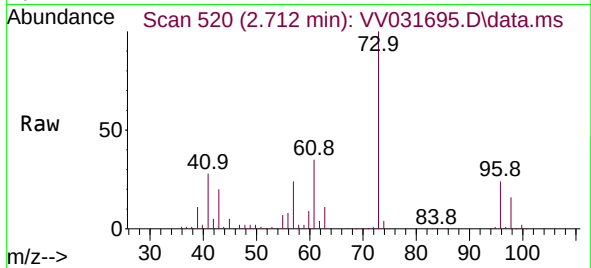




#17  
Methyl tert-butyl Ether  
Concen: 10.272 ug/L  
RT: 2.712 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

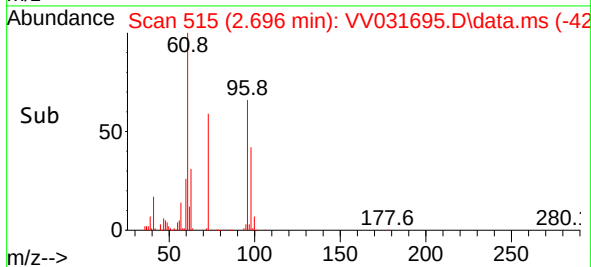
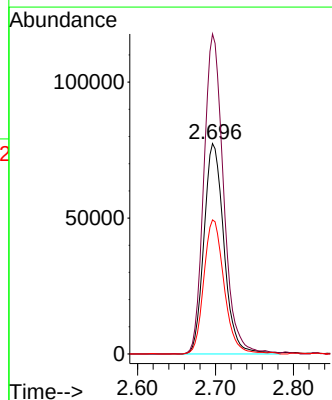
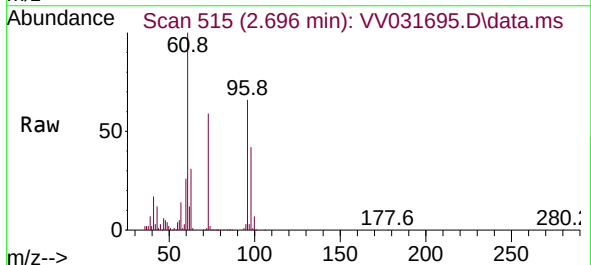
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

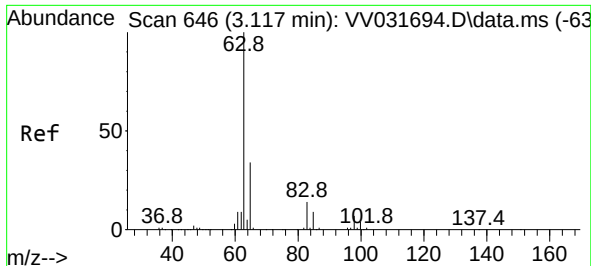
Tgt Ion: 73 Resp: 312052  
Ion Ratio Lower Upper  
73 100  
43 19.9 18.1 27.1  
57 23.6 19.6 29.4



#18  
trans-1,2-Dichloroethene  
Concen: 9.670 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 96 Resp: 138217  
Ion Ratio Lower Upper  
96 100  
61 152.1 105.5 195.9  
98 63.7 45.4 84.2





#19

1,1-Dichloroethane

Concen: 9.614 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

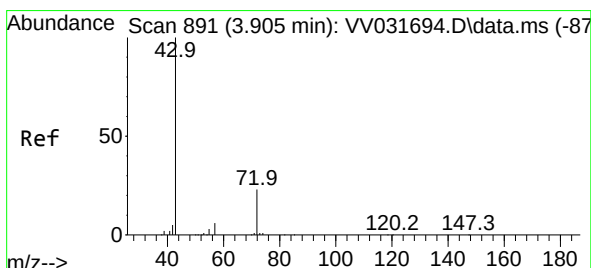
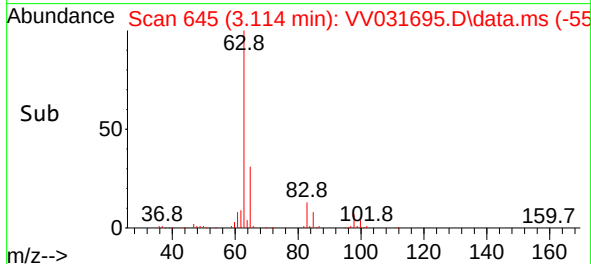
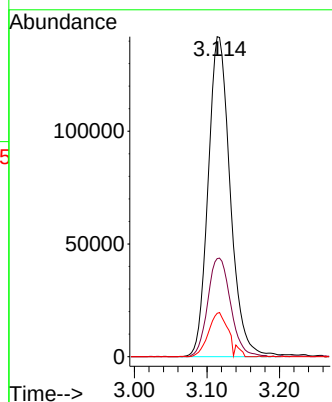
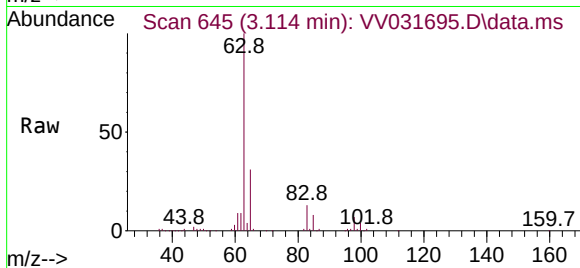
Tgt Ion: 63 Resp: 300490

Ion Ratio Lower Upper

63 100

65 30.2 23.4 43.6

83 13.0 9.4 17.4



#21

2-Butanone

Concen: 107.619 ug/L

RT: 3.895 min Scan# 888

Delta R.T. -0.010 min

Lab File: VV031695.D

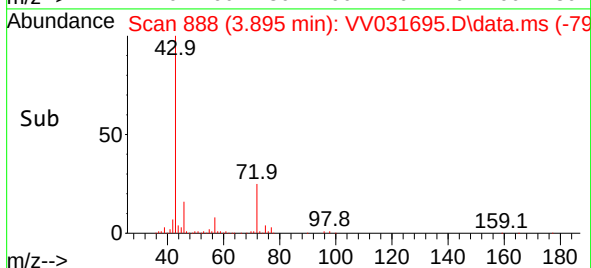
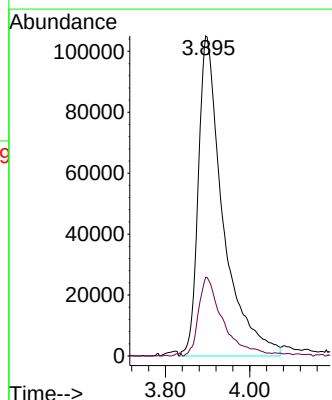
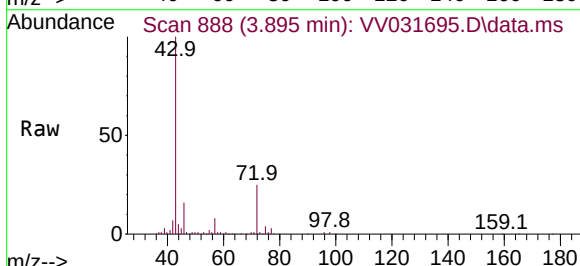
Acq: 13 Jul 2023 14:21

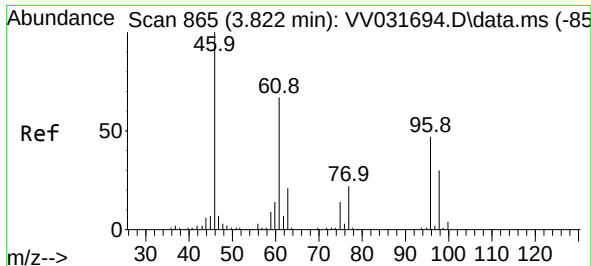
Tgt Ion: 43 Resp: 427220

Ion Ratio Lower Upper

43 100

72 24.3 9.2 27.4

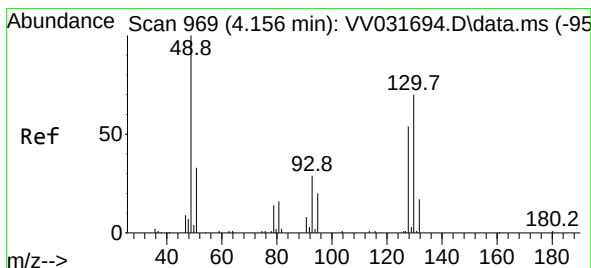
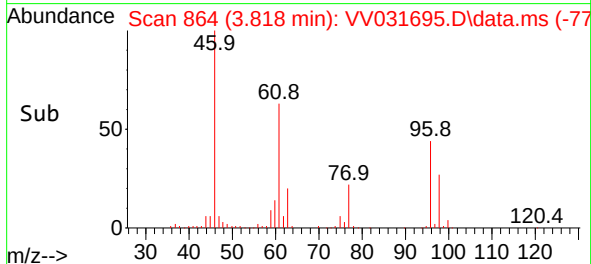
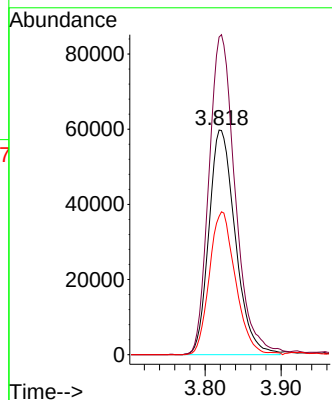
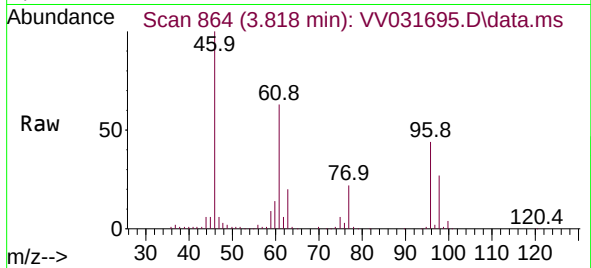




#22  
 cis-1,2-Dichloroethene  
 Concen: 10.204 ug/L  
 RT: 3.818 min Scan# 864  
 Delta R.T. -0.003 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

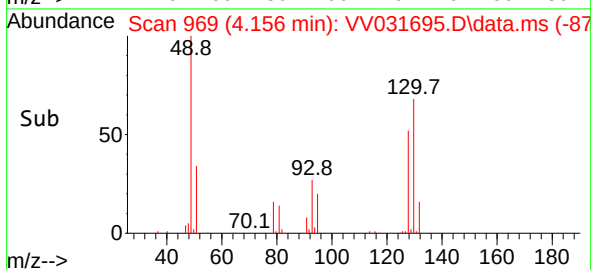
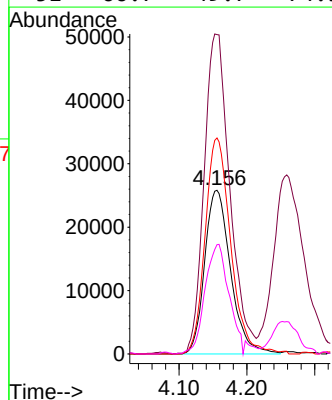
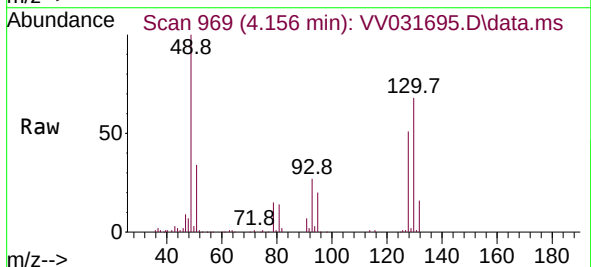
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010263

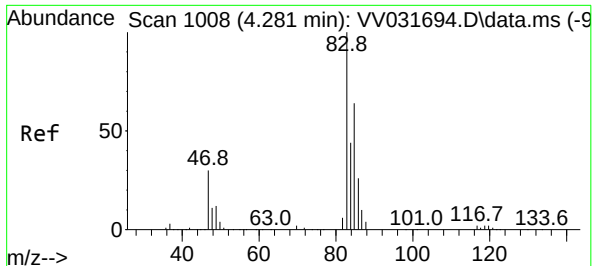
Tgt Ion: 96 Resp: 144194  
 Ion Ratio Lower Upper  
 96 100  
 61 141.4 99.4 184.6  
 98 61.5 45.1 83.7



#23  
 Bromochloromethane  
 Concen: 9.647 ug/L  
 RT: 4.156 min Scan# 969  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

Tgt Ion: 128 Resp: 68643  
 Ion Ratio Lower Upper  
 128 100  
 49 201.8 136.1 252.7  
 130 131.9 91.3 169.5  
 51 66.7 49.7 74.5





#25

Chloroform

Concen: 9.760 ug/L

RT: 4.281 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

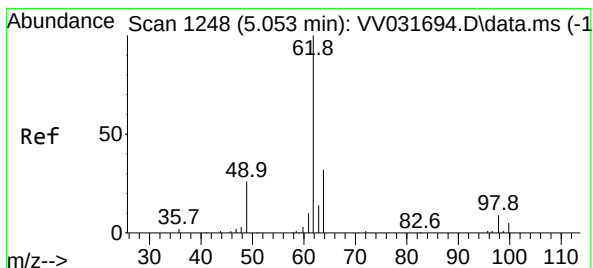
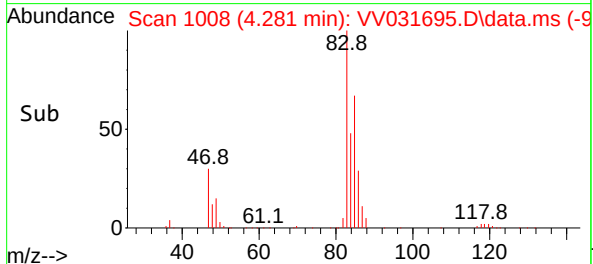
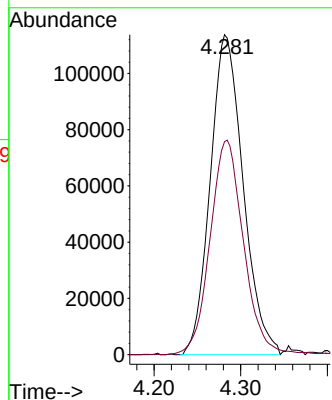
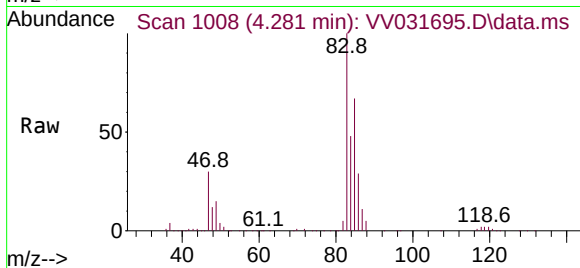
VSTD010263

Tgt Ion: 83 Resp: 300025

Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.5



#27

1,2-Dichloroethane

Concen: 9.638 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV031695.D

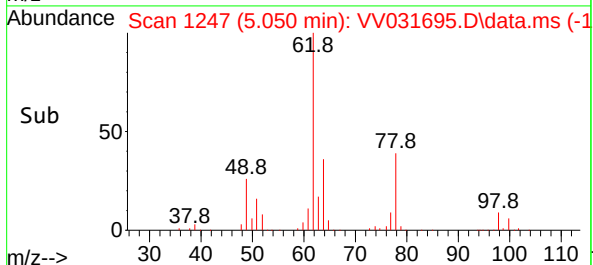
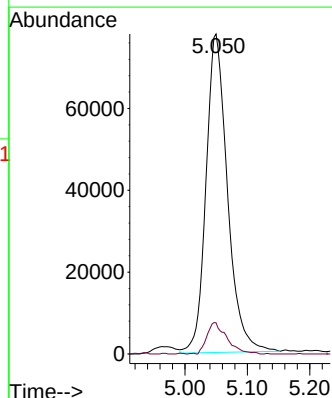
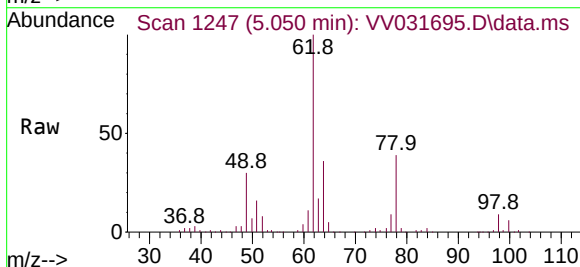
Acq: 13 Jul 2023 14:21

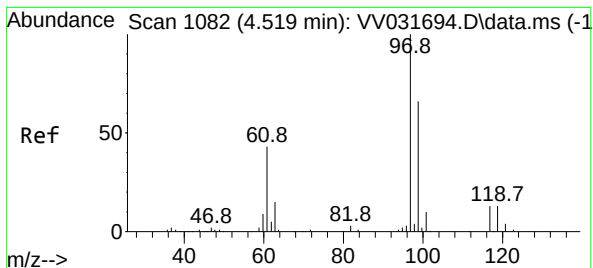
Tgt Ion: 62 Resp: 186328

Ion Ratio Lower Upper

62 100

98 9.7 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 9.578 ug/L

RT: 4.519 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

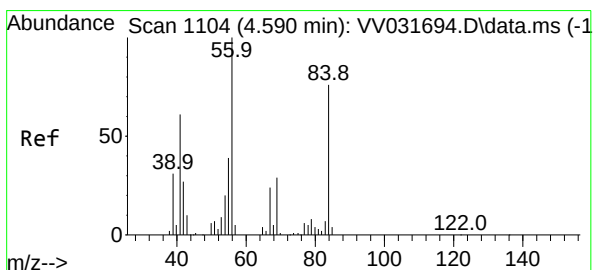
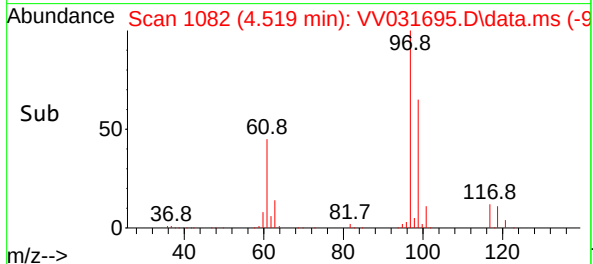
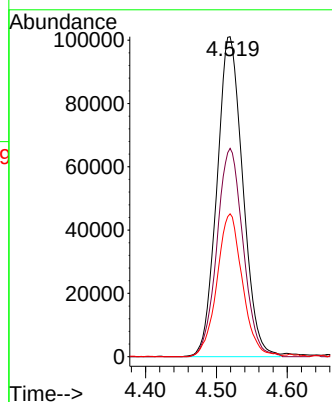
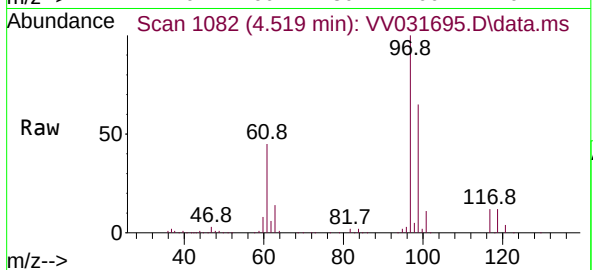
Tgt Ion: 97 Resp: 256766

Ion Ratio Lower Upper

97 100

99 65.8 50.4 75.6

61 44.0 35.6 53.4



#30

Cyclohexane

Concen: 10.618 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

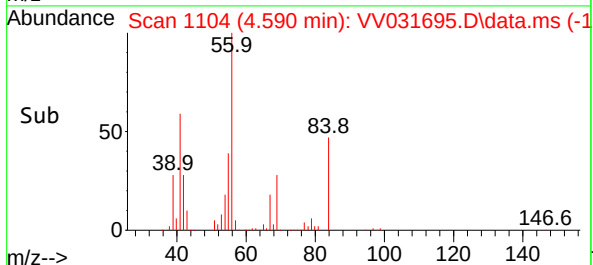
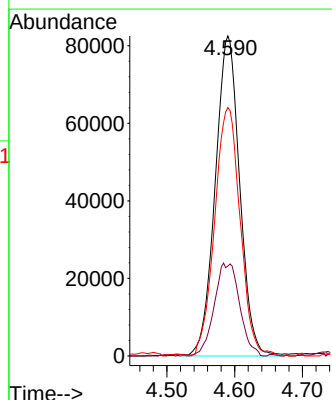
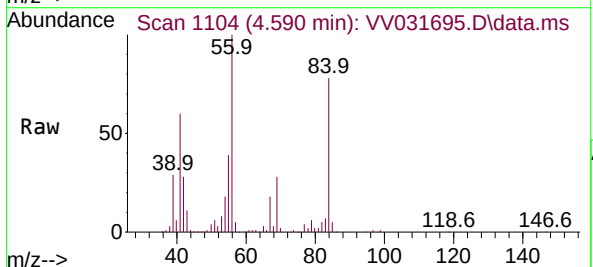
Tgt Ion: 56 Resp: 207000

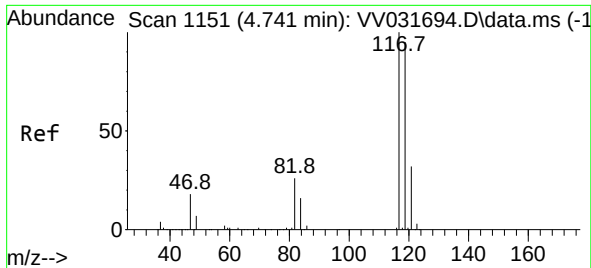
Ion Ratio Lower Upper

56 100

69 14.4 22.9 34.3#

84 80.9 62.7 94.1

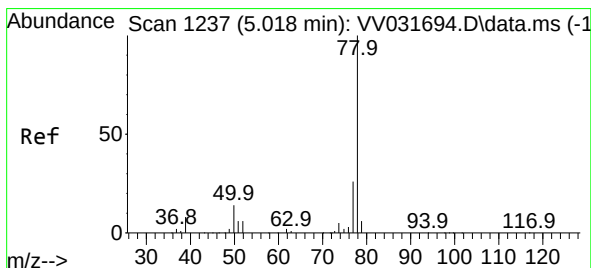
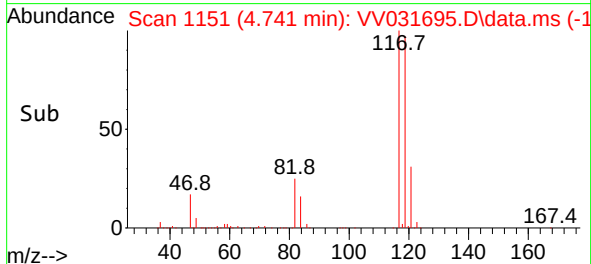
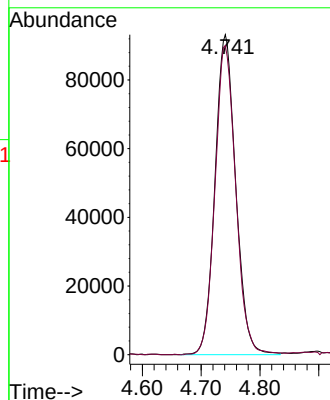
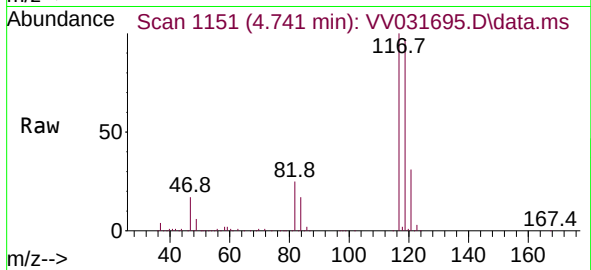




#31  
Carbon tetrachloride  
Concen: 9.641 ug/L  
RT: 4.741 min Scan# 1151  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

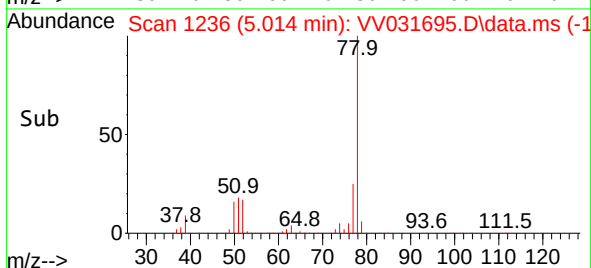
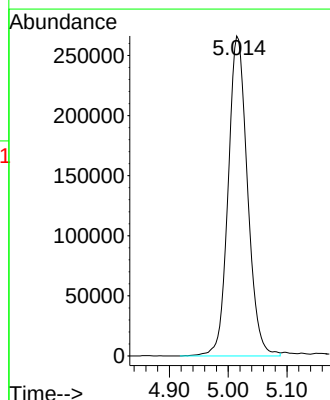
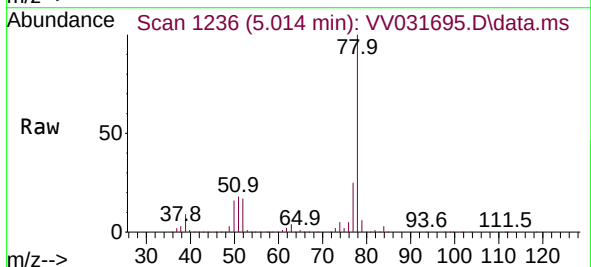
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

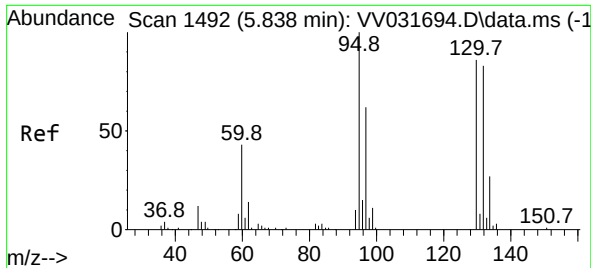
Tgt Ion:117 Resp: 228049  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.1 114.1



#33  
Benzene  
Concen: 10.780 ug/L  
RT: 5.014 min Scan# 1236  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 78 Resp: 607821

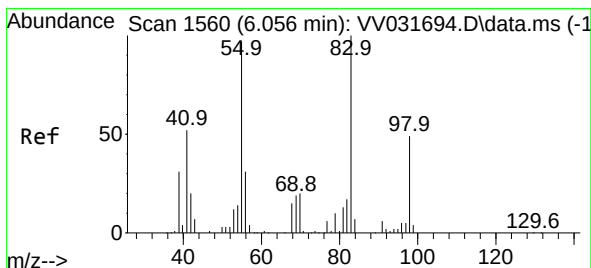
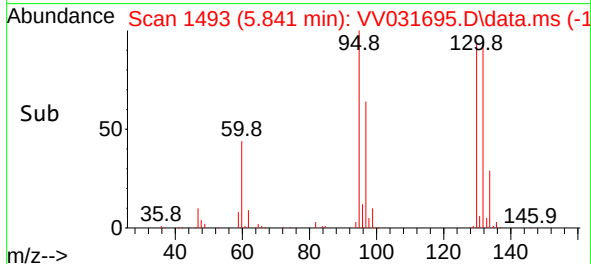
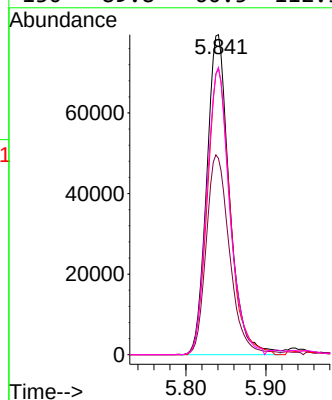
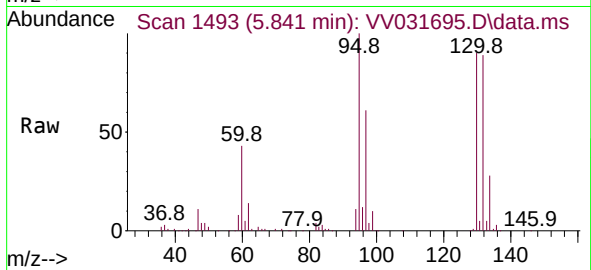




#34  
 Trichloroethene  
 Concen: 9.837 ug/L  
 RT: 5.841 min Scan# 1492  
 Delta R.T. 0.003 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

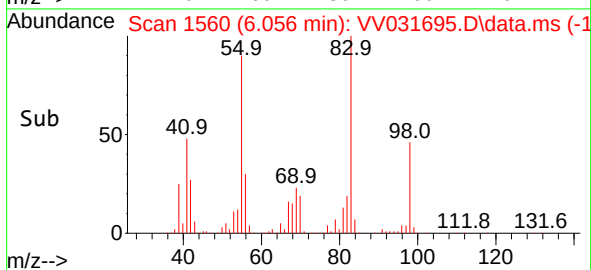
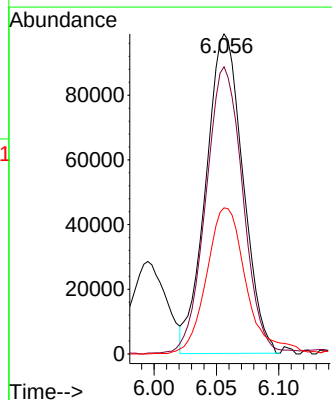
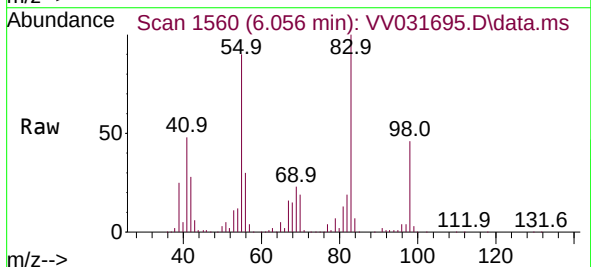
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010263

Tgt Ion: 95 Resp: 157365  
 Ion Ratio Lower Upper  
 95 100  
 97 61.4 43.3 80.5  
 132 89.4 58.3 108.3  
 130 89.8 60.5 112.5

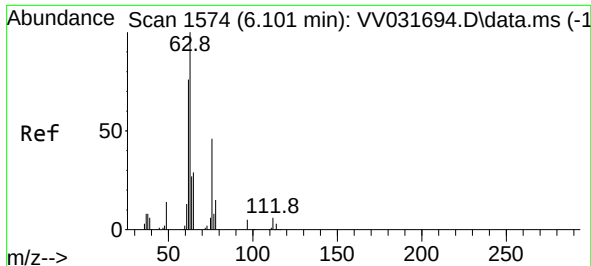


#35  
 Methylcyclohexane  
 Concen: 10.199 ug/L  
 RT: 6.056 min Scan# 1560  
 Delta R.T. -0.000 min  
 Lab File: VV031695.D  
 Acq: 13 Jul 2023 14:21

Tgt Ion: 83 Resp: 204024  
 Ion Ratio Lower Upper  
 83 100  
 55 90.5 73.8 110.6  
 98 49.3 35.1 52.7







#37

1,2-Dichloropropane

Concen: 10.590 ug/L

RT: 6.098 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

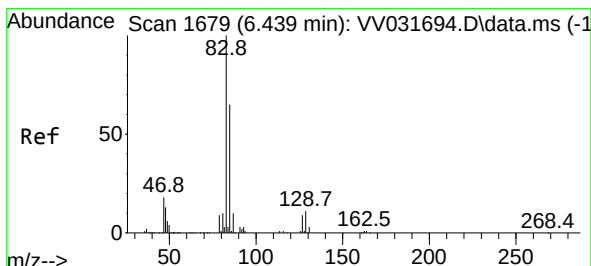
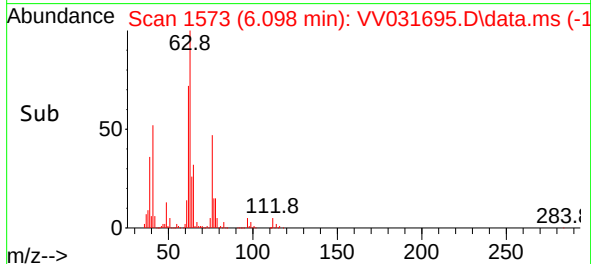
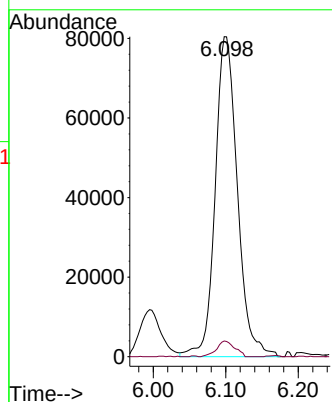
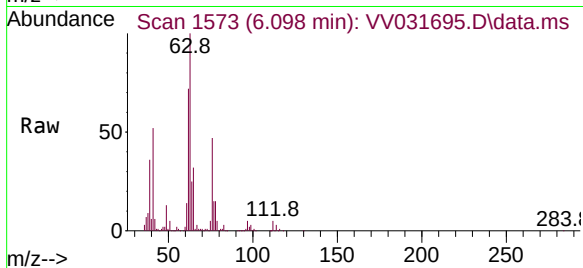
VSTD010263

Tgt Ion: 63 Resp: 171397

Ion Ratio Lower Upper

63 100

112 4.0 1.4 2.2#



#38

Bromodichloromethane

Concen: 9.987 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

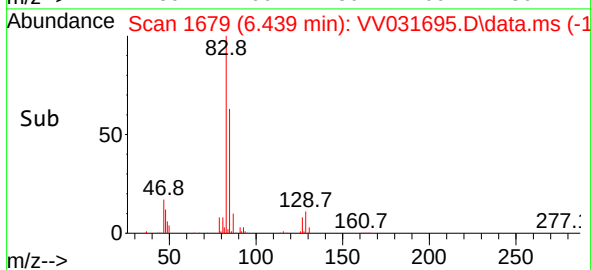
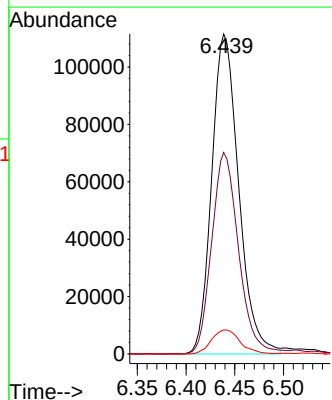
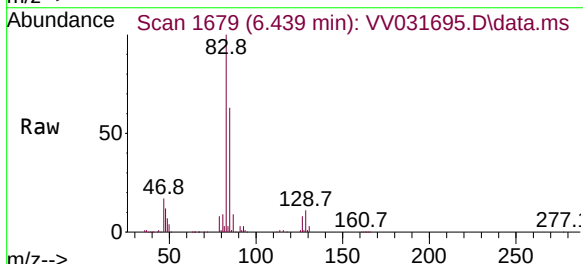
Tgt Ion: 83 Resp: 214602

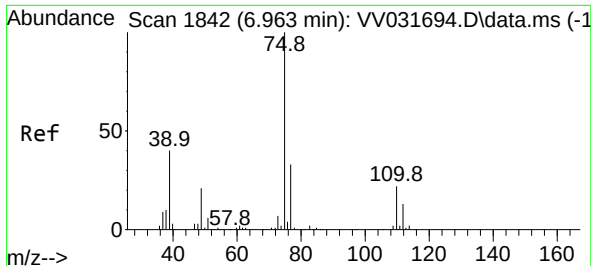
Ion Ratio Lower Upper

83 100

85 63.0 45.5 84.5

127 8.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 10.990 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

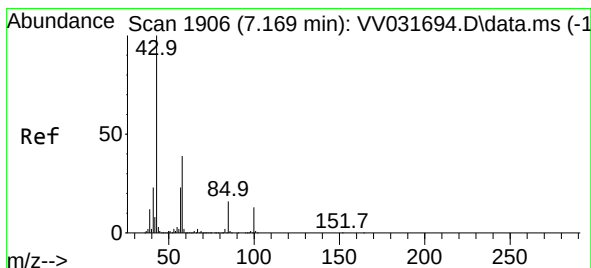
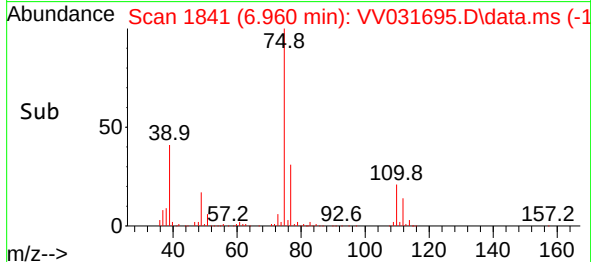
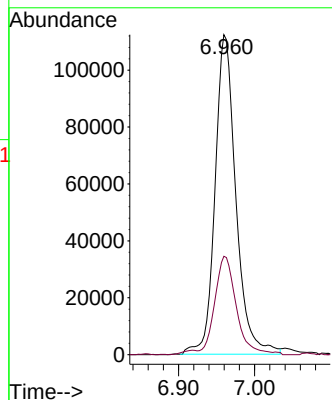
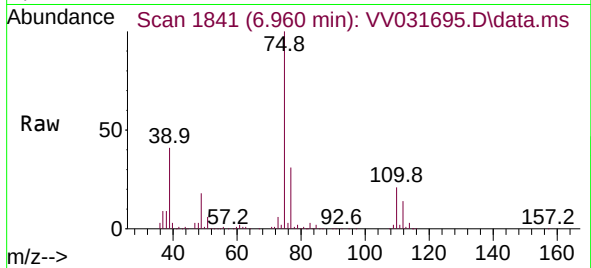
VSTD010263

Tgt Ion: 75 Resp: 214135

Ion Ratio Lower Upper

75 100

77 30.8 23.0 42.6



#40

4-Methyl-2-pentanone

Concen: 118.432 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

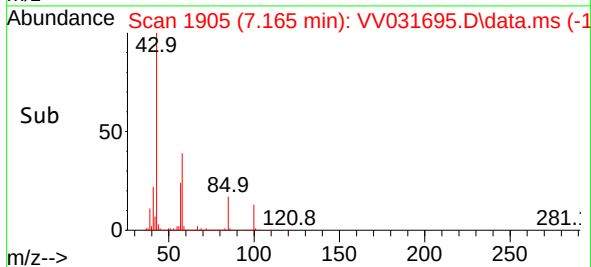
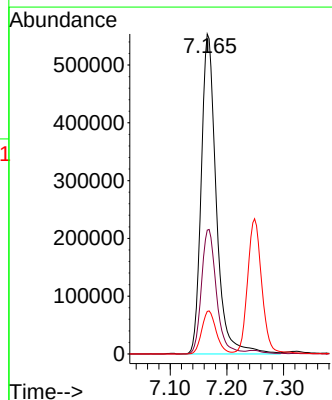
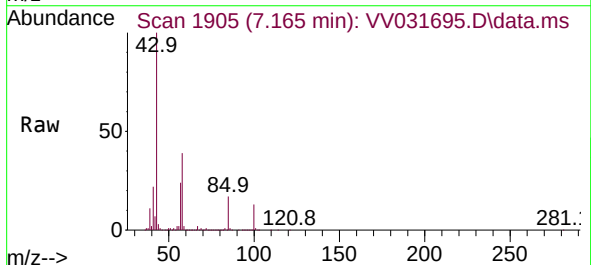
Tgt Ion: 43 Resp: 1024567

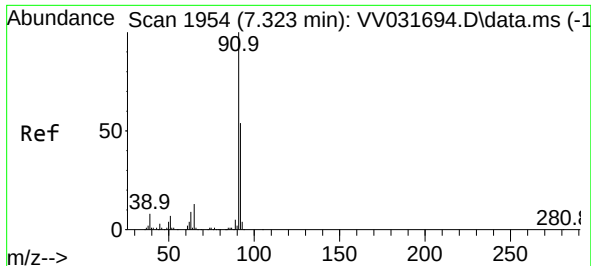
Ion Ratio Lower Upper

43 100

58 38.6 30.3 45.5

100 12.9 9.7 14.5

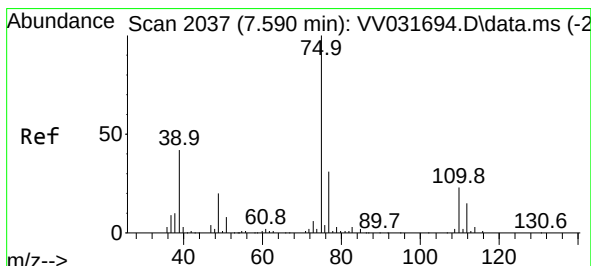
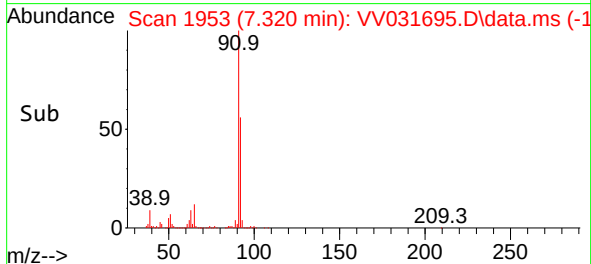
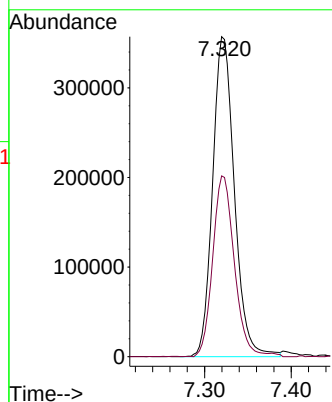
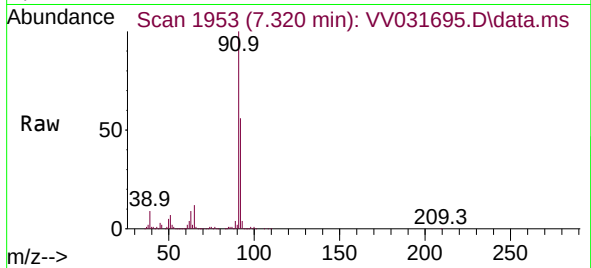




#42  
Toluene  
Concen: 11.567 ug/L  
RT: 7.320 min Scan# 1954  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

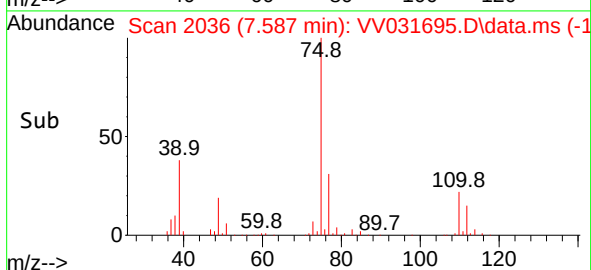
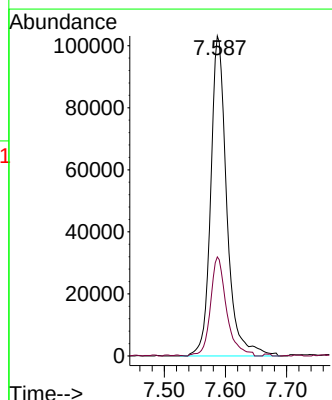
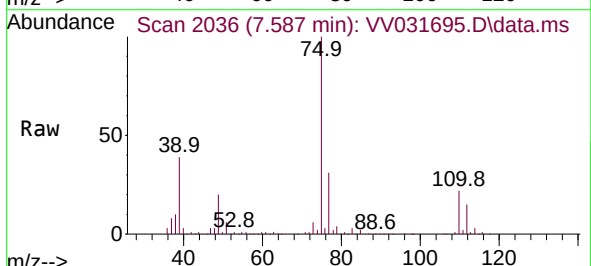
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

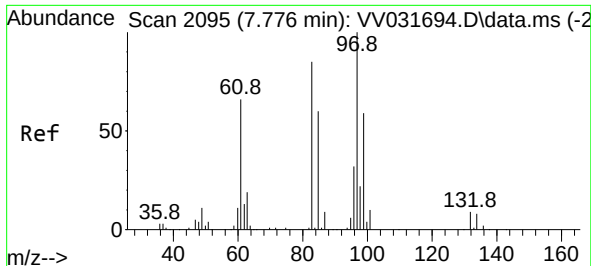
Tgt Ion: 91 Resp: 623148  
Ion Ratio Lower Upper  
91 100  
92 56.5 38.1 70.7



#44  
trans-1,3-Dichloropropene  
Concen: 10.710 ug/L  
RT: 7.587 min Scan# 2036  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 75 Resp: 188228  
Ion Ratio Lower Upper  
75 100  
77 31.0 21.7 40.3



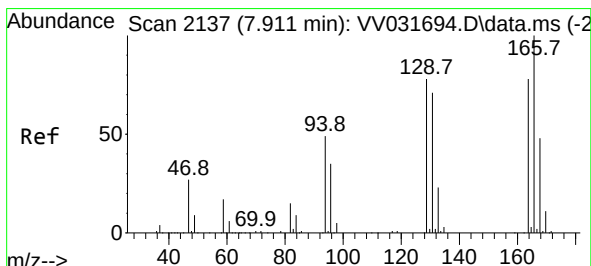
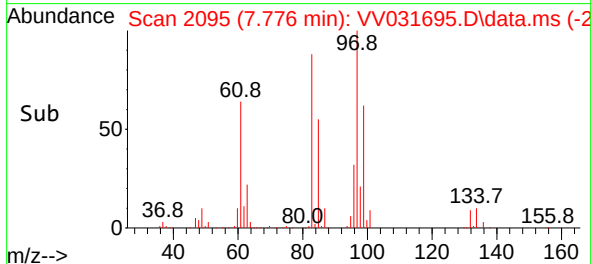
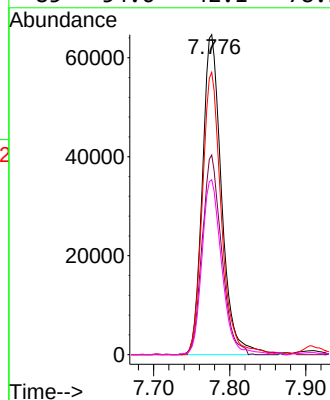
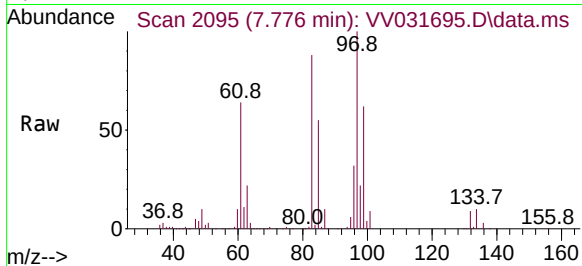


#45  
1,1,2-Trichloroethane  
Concen: 9.459 ug/L  
RT: 7.776 min Scan# 2095  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

Tgt Ion: 97 Resp: 113738

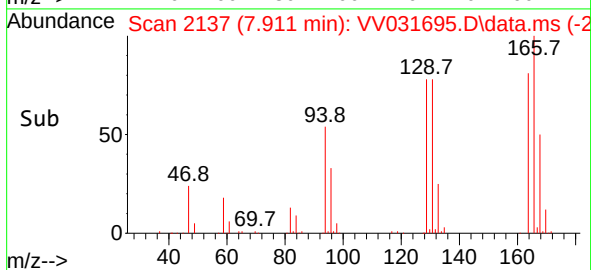
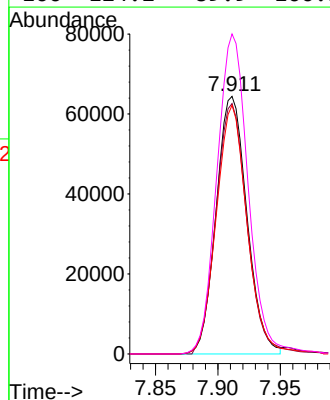
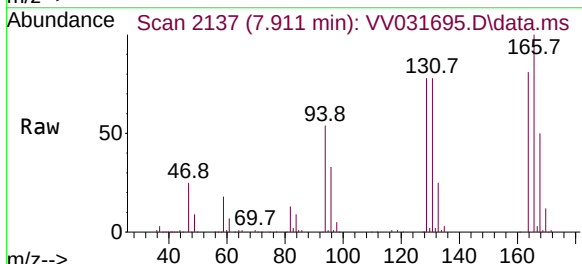
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.4  | 40.9  | 76.0  |
| 83  | 88.3  | 59.7  | 110.9 |
| 85  | 54.6  | 42.1  | 78.1  |

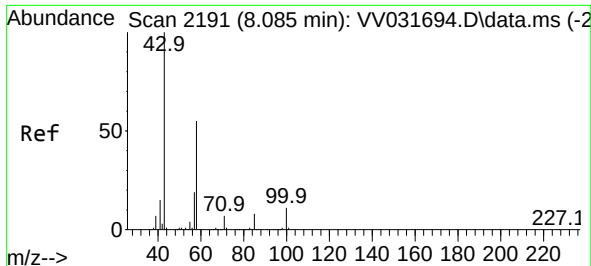


#47  
Tetrachloroethene  
Concen: 10.028 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 164 Resp: 110748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.2  | 70.5  | 130.9 |
| 131 | 96.5  | 64.0  | 118.8 |
| 166 | 124.2 | 89.9  | 166.9 |



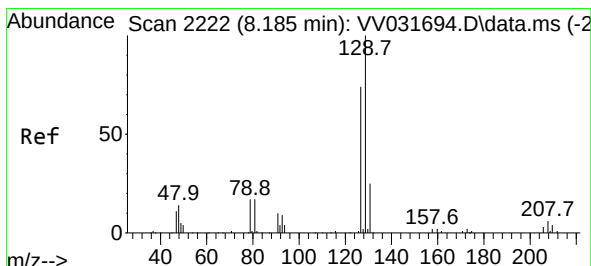
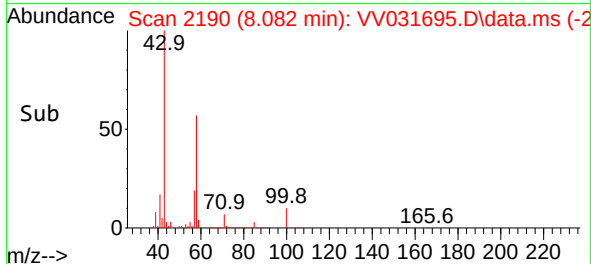
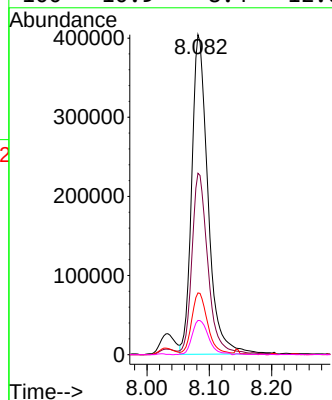
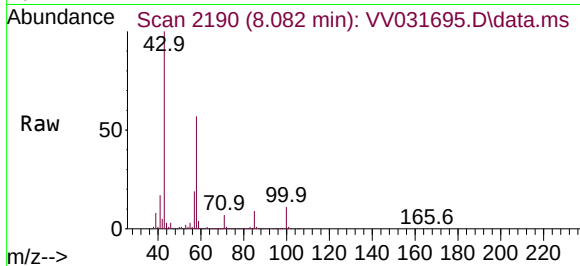


#48  
2-Hexanone  
Concen: 112.335 ug/L  
RT: 8.082 min Scan# 2191  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

Tgt Ion: 43 Resp: 729531

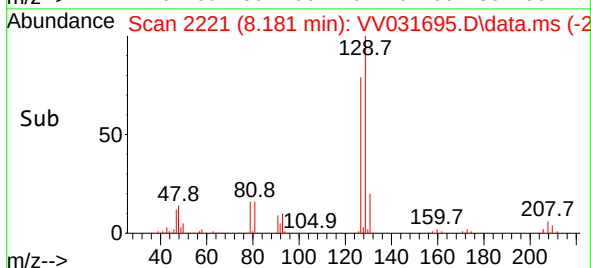
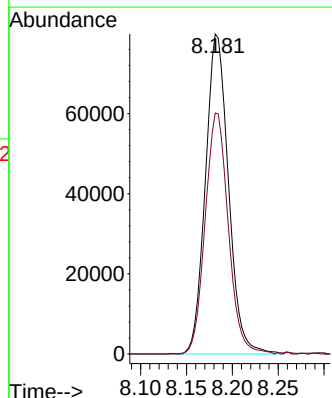
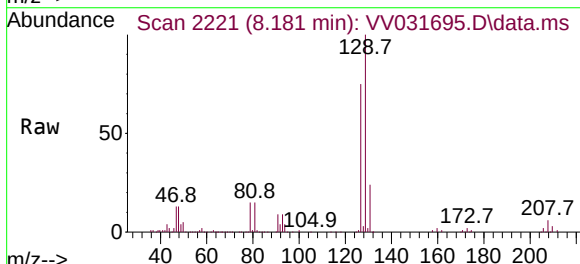
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.9  | 42.6  | 64.0  |
| 57  | 19.2  | 14.6  | 21.8  |
| 100 | 10.9  | 8.4   | 12.6  |

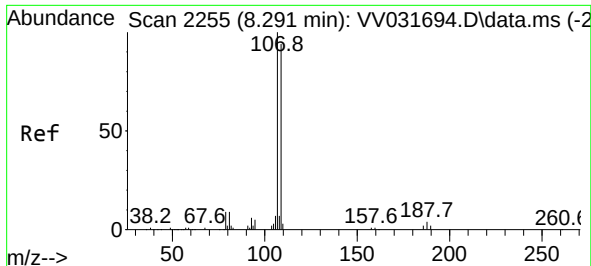


#49  
Dibromochloromethane  
Concen: 10.809 ug/L  
RT: 8.181 min Scan# 2221  
Delta R.T. -0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 129 Resp: 139620

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 75.3  | 51.7  | 96.1  |





#50

1,2-Dibromoethane

Concen: 9.792 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

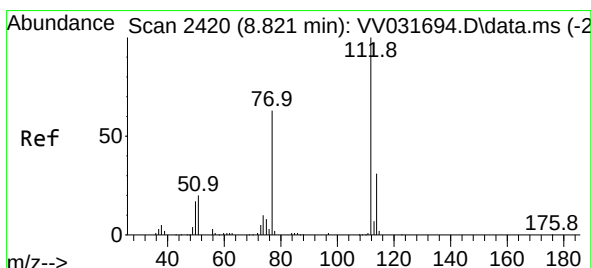
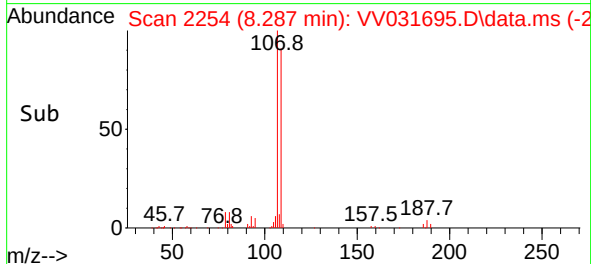
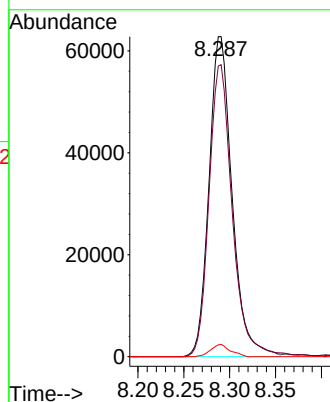
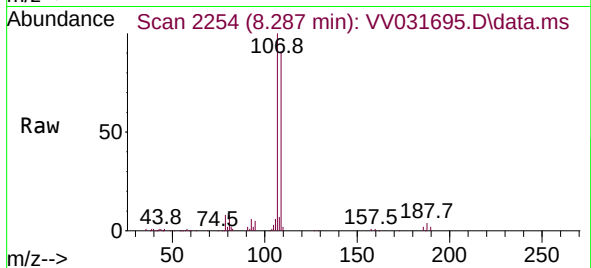
Tgt Ion:107 Resp: 110104

Ion Ratio Lower Upper

107 100

109 90.8 67.6 125.6

188 3.7 3.0 4.6



#51

Chlorobenzene

Concen: 10.173 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

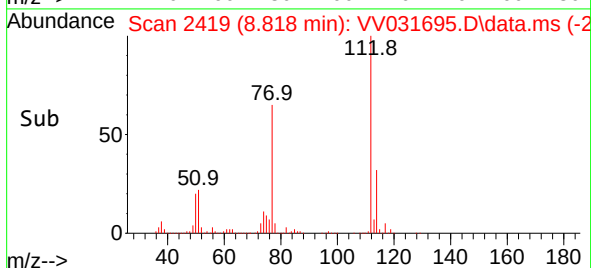
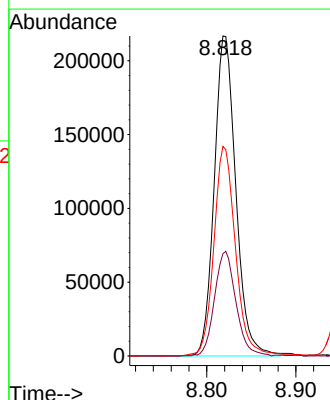
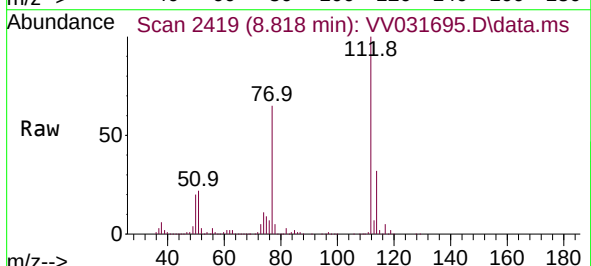
Tgt Ion:112 Resp: 365348

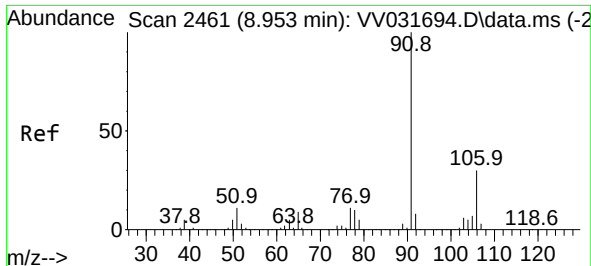
Ion Ratio Lower Upper

112 100

114 31.9 21.6 40.2

77 65.5 54.2 81.4

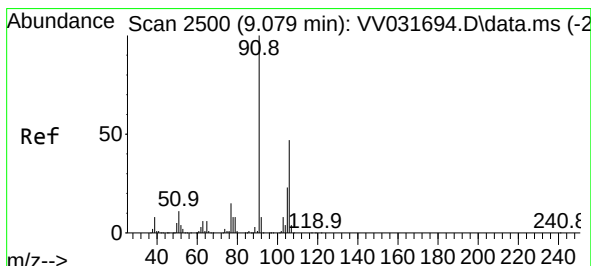
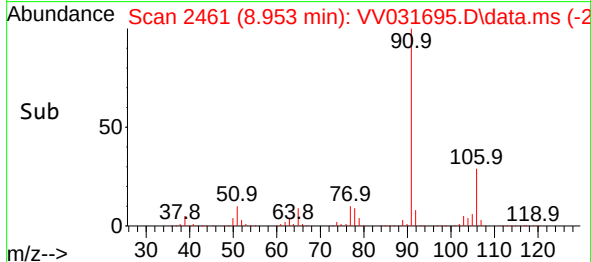
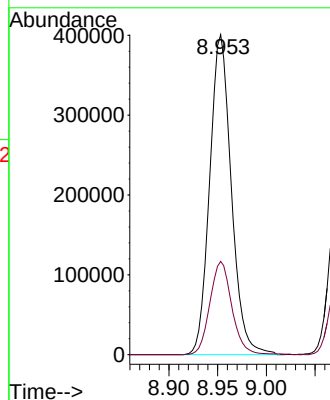
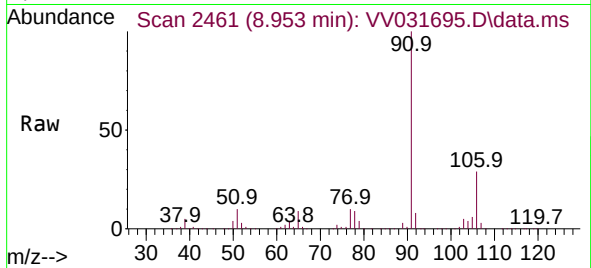




#52  
Ethylbenzene  
Concen: 11.458 ug/L  
RT: 8.953 min Scan# 2461  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

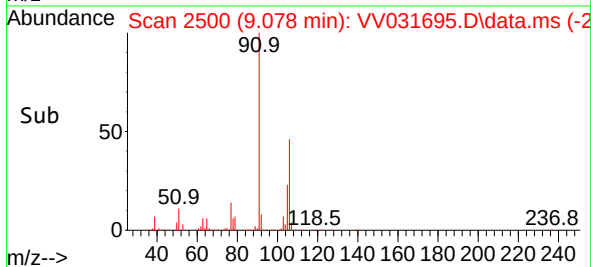
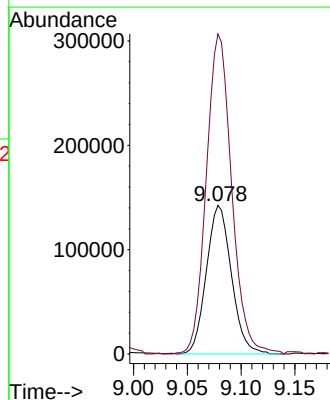
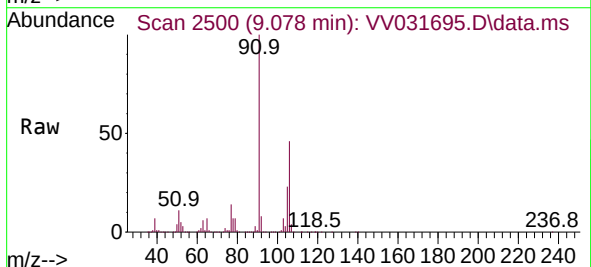
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

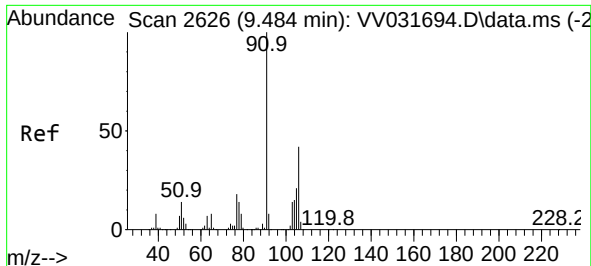
Tgt Ion: 91 Resp: 618628  
Ion Ratio Lower Upper  
91 100  
106 29.2 21.2 39.4



#53  
m,p-Xylene  
Concen: 11.555 ug/L  
RT: 9.078 min Scan# 2500  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion:106 Resp: 230571  
Ion Ratio Lower Upper  
106 100  
91 215.3 149.9 278.3

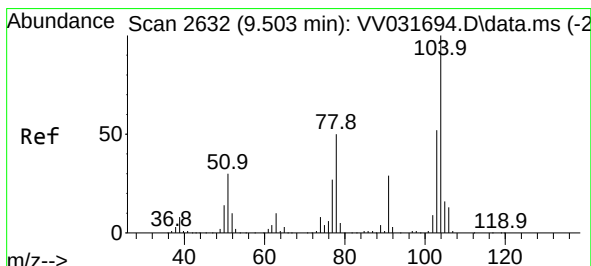
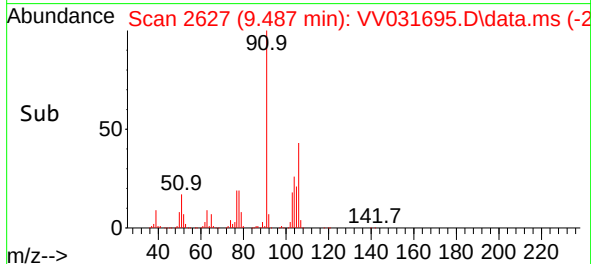
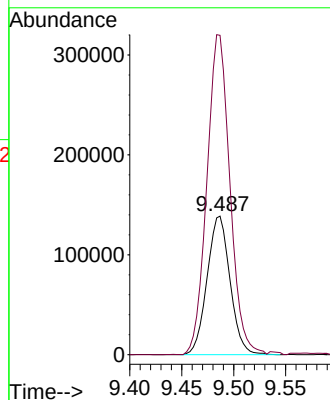
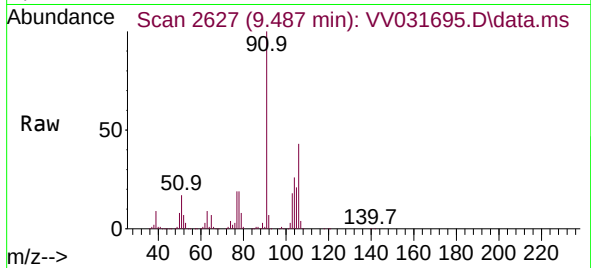




#54  
o-Xylene  
Concen: 11.509 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. 0.003 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

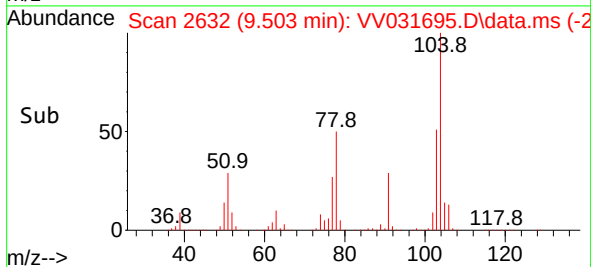
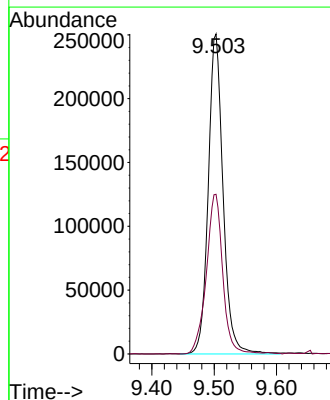
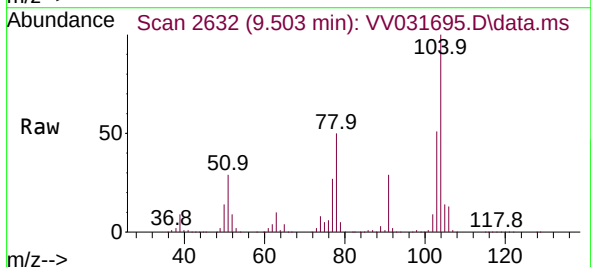
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

Tgt Ion:106 Resp: 213030  
Ion Ratio Lower Upper  
106 100  
91 230.5 166.7 309.5

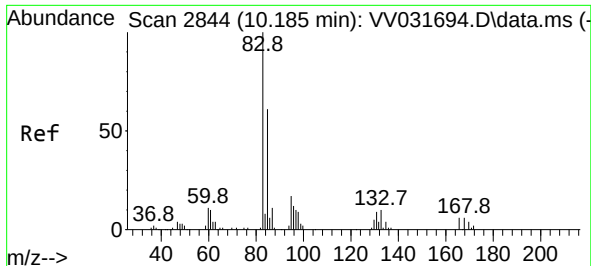


#55  
Styrene  
Concen: 11.855 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion:104 Resp: 414047  
Ion Ratio Lower Upper  
104 100  
78 49.9 35.3 65.5







#57

1,1,2,2-Tetrachloroethane

Concen: 10.240 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

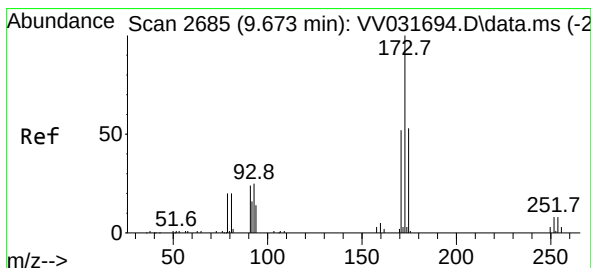
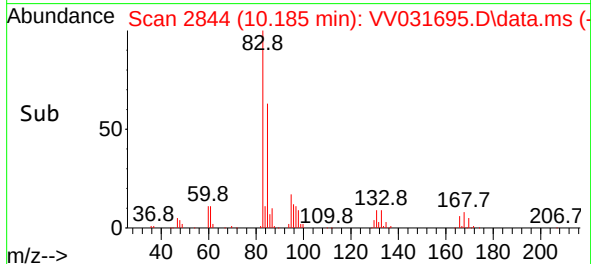
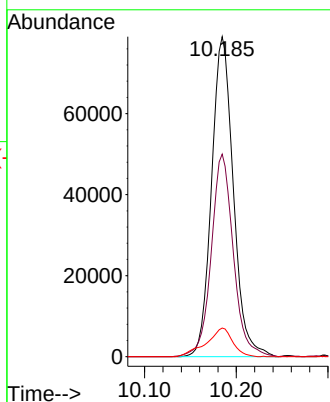
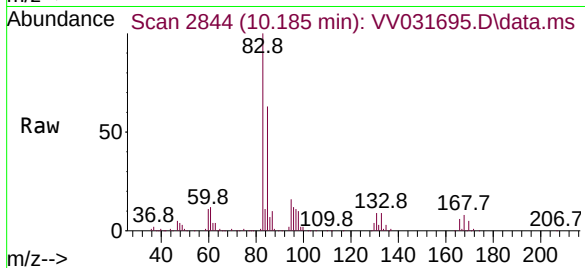
Tgt Ion: 83 Resp: 130319

Ion Ratio Lower Upper

83 100

85 63.3 48.6 90.2

131 9.0 7.0 10.6



#59

Bromoform

Concen: 9.500 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.003 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

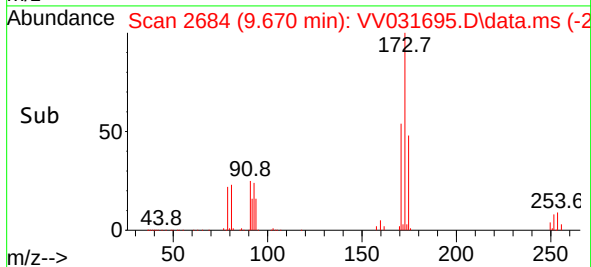
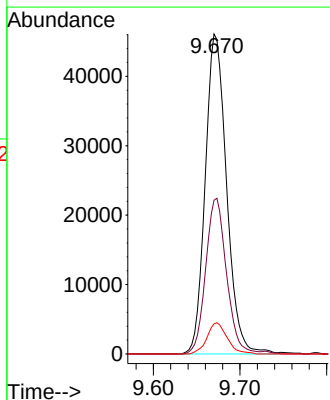
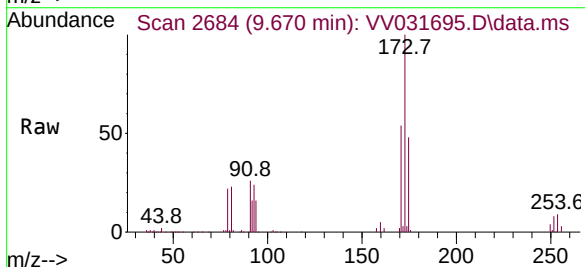
Tgt Ion: 173 Resp: 79090

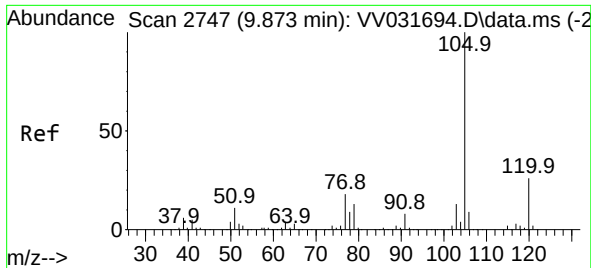
Ion Ratio Lower Upper

173 100

175 47.3 40.2 60.4

254 9.2 6.4 9.6

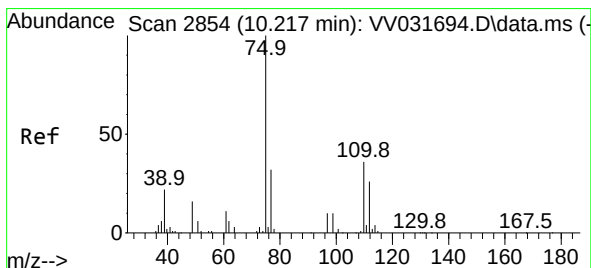
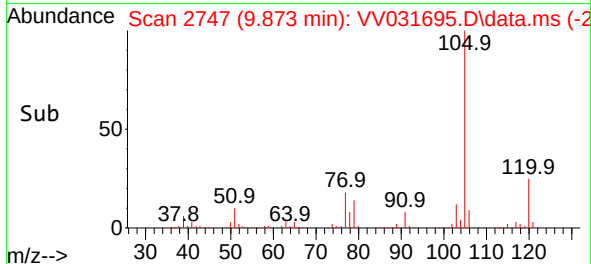
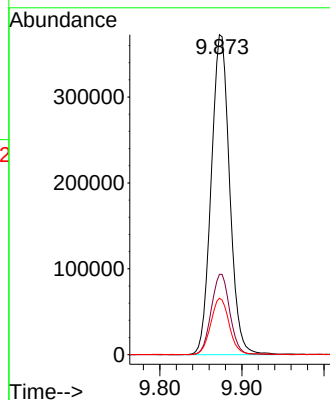
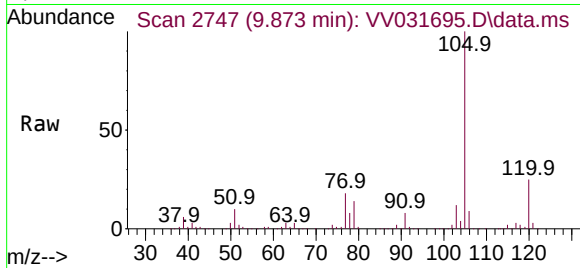




#60  
Isopropylbenzene  
Concen: 10.532 ug/L  
RT: 9.873 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

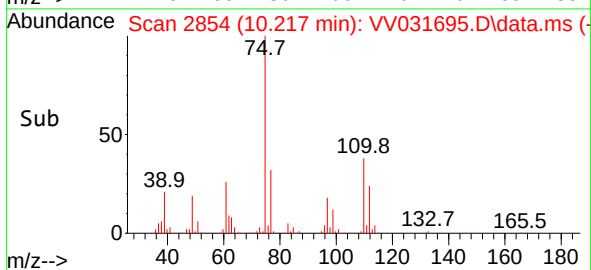
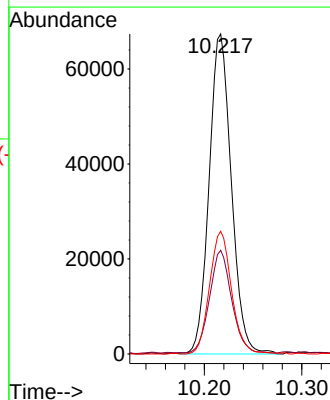
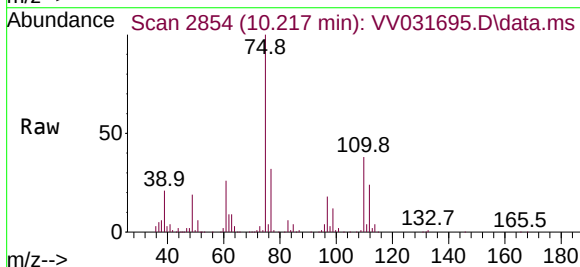
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

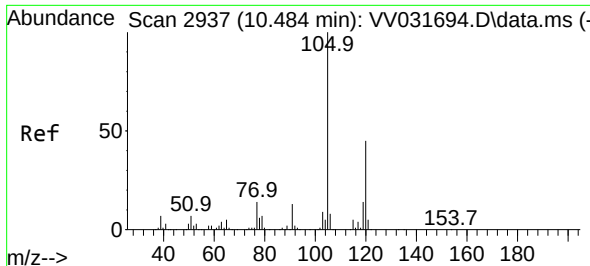
Tgt Ion:105 Resp: 581787  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.0 30.0  
77 17.6 14.2 21.4



#61  
1,2,3-Trichloropropane  
Concen: 9.638 ug/L  
RT: 10.217 min Scan# 2854  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 75 Resp: 106825  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.9 38.9  
110 38.0 28.6 42.8





#62

1,3,5-Trimethylbenzene

Concen: 10.551 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

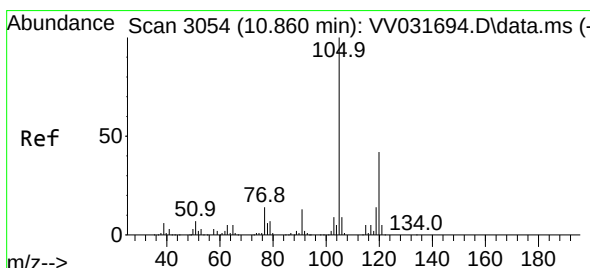
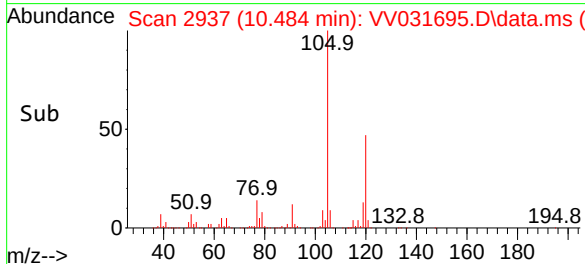
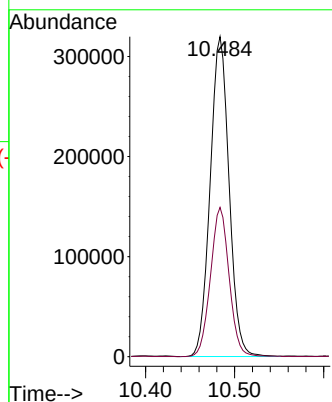
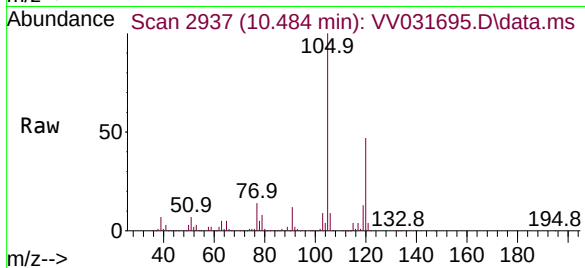
VSTD010263

Tgt Ion:105 Resp: 470255

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4



#63

1,2,4-Trimethylbenzene

Concen: 10.874 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031695.D

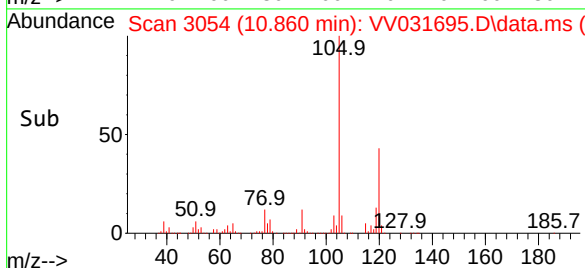
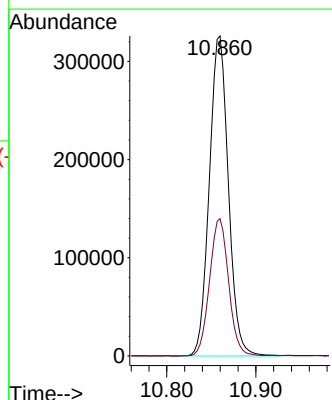
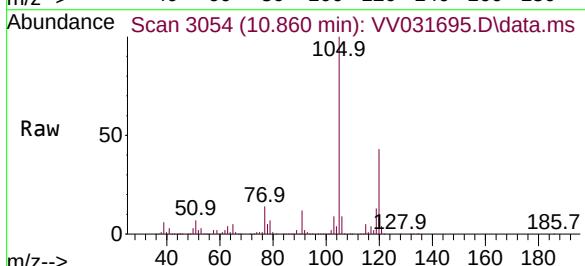
Acq: 13 Jul 2023 14:21

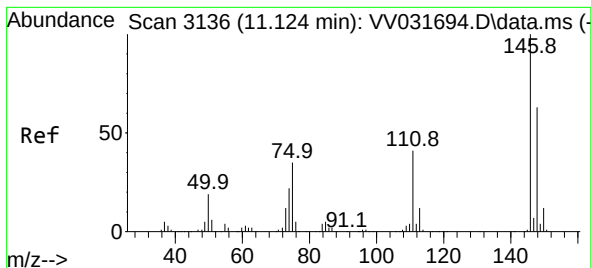
Tgt Ion:105 Resp: 483709

Ion Ratio Lower Upper

105 100

120 43.1 33.4 50.0





#64

1,3-Dichlorobenzene

Concen: 10.131 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

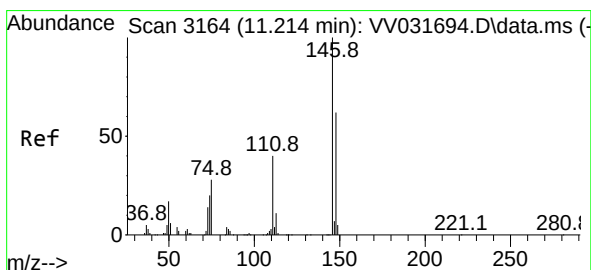
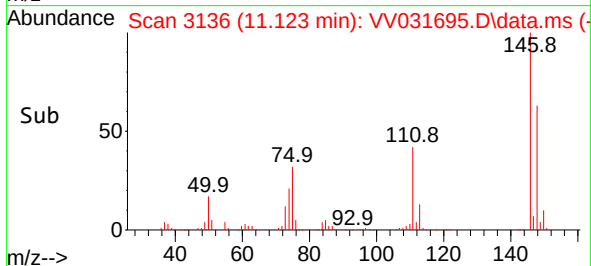
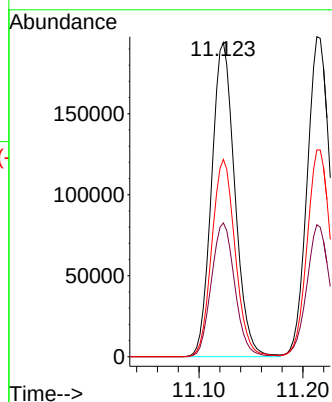
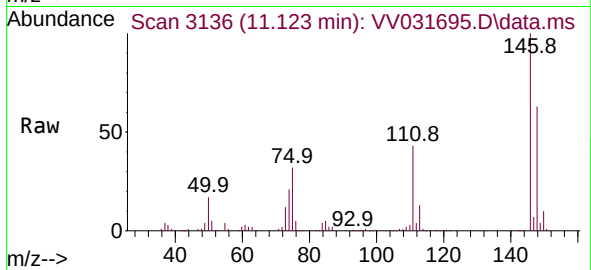
Tgt Ion:146 Resp: 301591

Ion Ratio Lower Upper

146 100

111 42.6 28.8 53.4

148 62.8 43.8 81.4



#65

1,4-Dichlorobenzene

Concen: 9.839 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

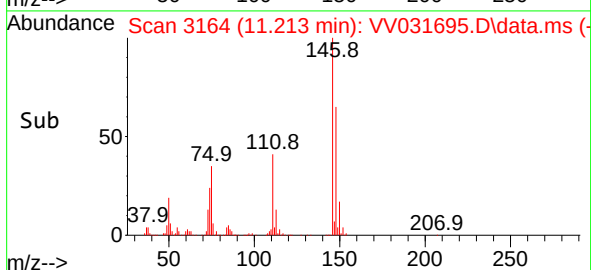
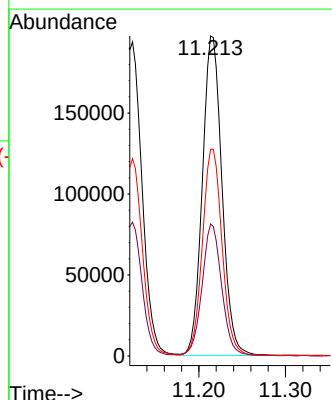
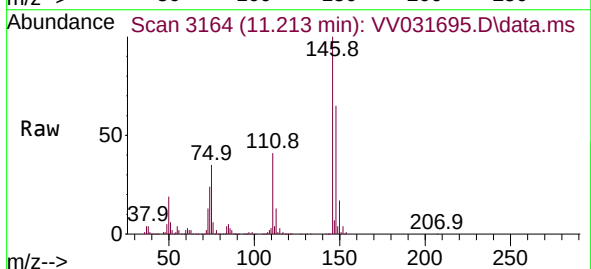
Tgt Ion:146 Resp: 310029

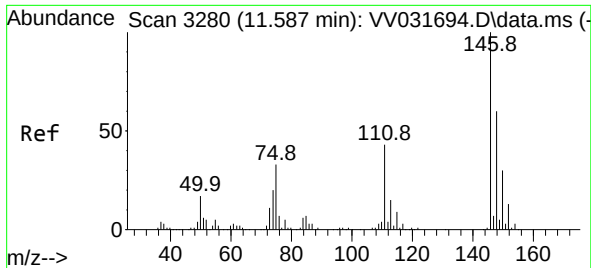
Ion Ratio Lower Upper

146 100

111 41.2 28.2 52.4

148 64.6 43.6 81.0

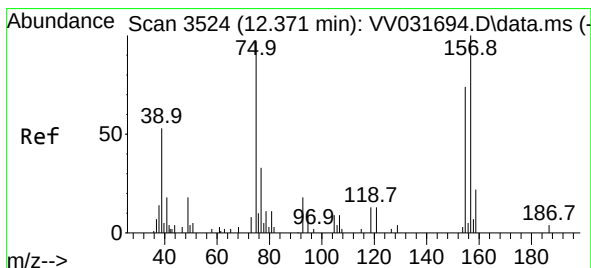
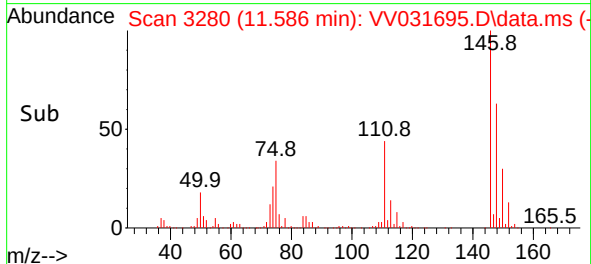
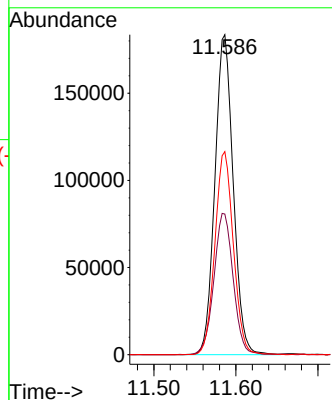
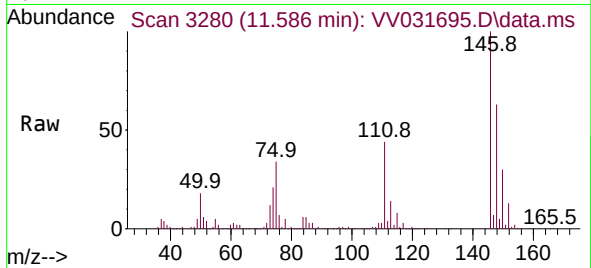




#67  
1,2-Dichlorobenzene  
Concen: 9.988 ug/L  
RT: 11.586 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

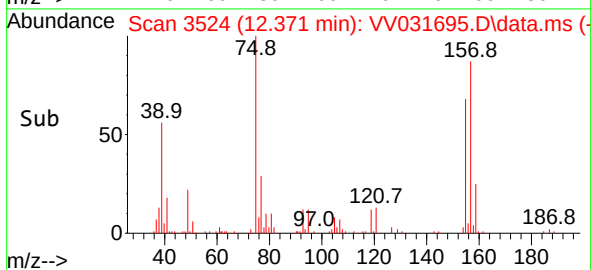
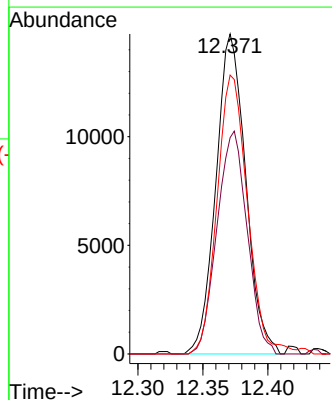
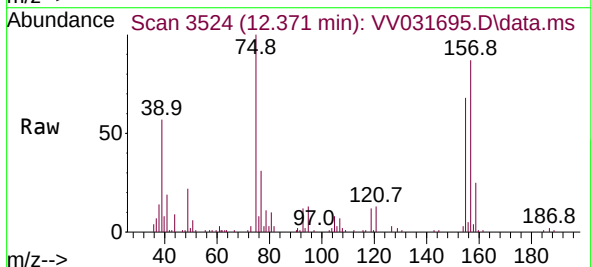
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

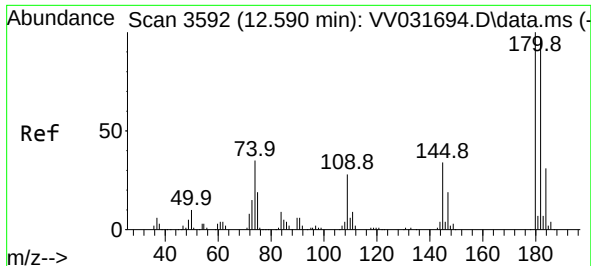
Tgt Ion:146 Resp: 284953  
Ion Ratio Lower Upper  
146 100  
111 44.0 34.2 51.4  
148 63.4 48.1 72.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 10.292 ug/L  
RT: 12.371 min Scan# 3524  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

Tgt Ion: 75 Resp: 23443  
Ion Ratio Lower Upper  
75 100  
155 67.6 61.4 92.0  
157 87.2 82.8 124.2

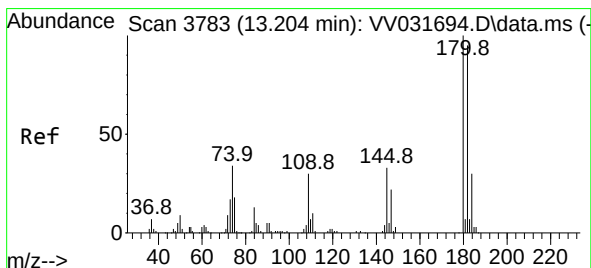
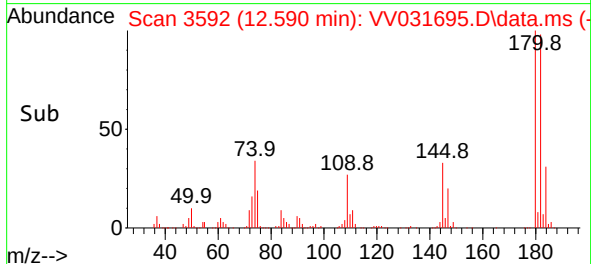
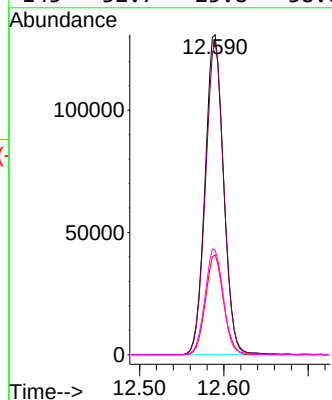
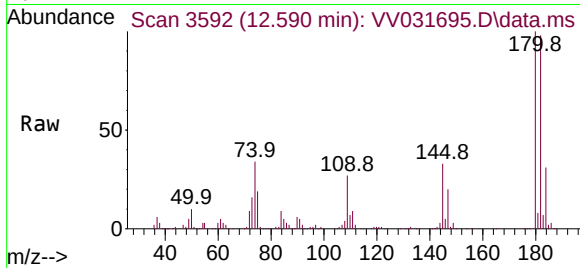




#69  
1,3,5-Trichlorobenzene  
Concen: 9.212 ug/L  
RT: 12.590 min Scan# 3592  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

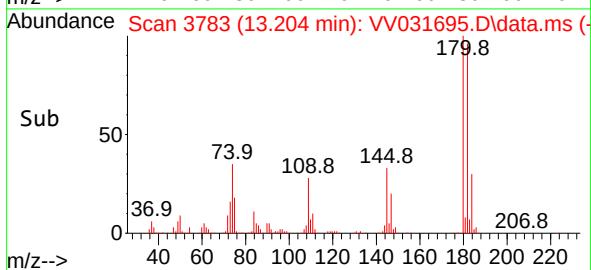
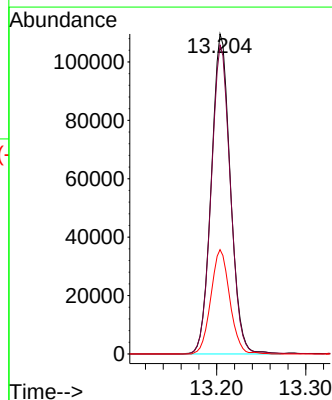
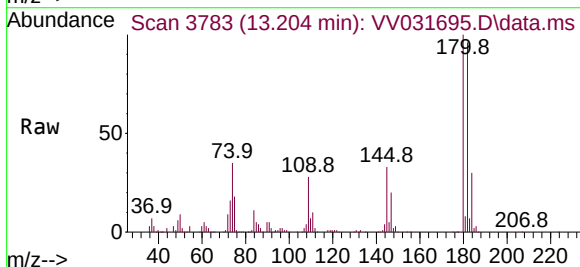
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD010263

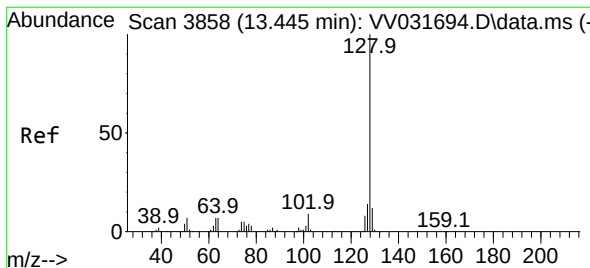
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 200575 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.9  | 78.3  | 117.5  |
| 184       | 30.3  | 24.5  | 36.7   |
| 145       | 32.7  | 25.8  | 38.6   |



#70  
1,2,4-trichlorobenzene  
Concen: 9.431 ug/L  
RT: 13.204 min Scan# 3783  
Delta R.T. -0.000 min  
Lab File: VV031695.D  
Acq: 13 Jul 2023 14:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 162706 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.4  | 76.0  | 114.0  |
| 145       | 32.3  | 26.2  | 39.4   |





#71

Naphthalene

Concen: 9.897 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Instrument :

MSVOA\_V

ClientSampleId :

VSTD010263

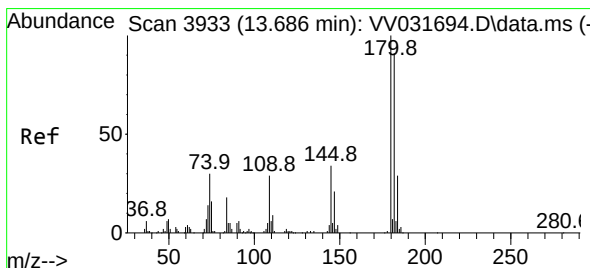
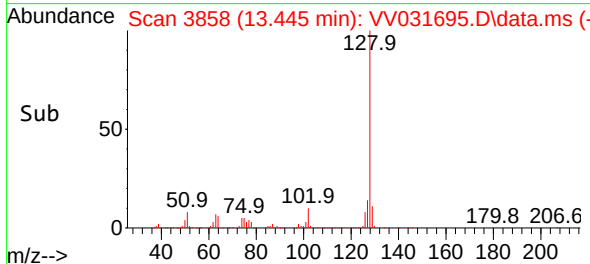
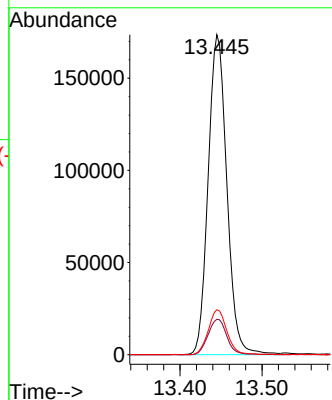
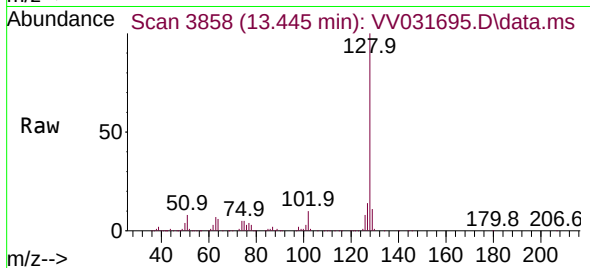
Tgt Ion:128 Resp: 275456

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

127 14.0 11.6 17.4



#72

1,2,3-Trichlorobenzene

Concen: 10.064 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031695.D

Acq: 13 Jul 2023 14:21

Tgt Ion:180 Resp: 160332

Ion Ratio Lower Upper

180 100

182 94.9 74.6 111.8

145 35.0 27.4 41.0

