

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041422\  
 Data File : VW025557.D  
 Acq On : 14 Apr 2022 19:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

Quant Time: Apr 15 07:25:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 15 07:05:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 125987   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 126902   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 68901    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.311  | 65    | 57013    | 4.867    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.400%  |
| 7) Chloroethane-d5            | 1.571  | 69    | 52311    | 4.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.114  | 63    | 121600   | 5.182    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 103.600% |
| 20) 2-Butanone-d5             | 3.902  | 46    | 82958    | 58.225   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 116.440% |
| 24) Chloroform-d              | 4.352  | 84    | 88953    | 5.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 40839    | 5.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.000% |
| 32) Benzene-d6                | 5.053  | 84    | 171330   | 4.666    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 48707    | 4.757    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.200%  |
| 41) Toluene-d8                | 7.317  | 98    | 160514   | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 15375    | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 62777    | 51.969   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 32437    | 5.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 52045    | 4.505    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.134  | 85    | 50567    | 4.443    | ug/L   | 99       |
| 3) Chloromethane              | 1.246  | 50    | 77133    | 6.237    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.317  | 62    | 82435    | 5.899    | ug/L   | 99       |
| 6) Bromomethane               | 1.526  | 94    | 48258    | 4.789    | ug/L   | 97       |
| 8) Chloroethane               | 1.590  | 64    | 55610    | 5.155    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.757  | 101   | 111059   | 5.658    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.124  | 101   | 51792    | 4.697    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.124  | 96    | 59640    | 5.458    | ug/L   | 87       |
| 13) Acetone                   | 2.195  | 43    | 60654    | 62.720   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.301  | 76    | 132088   | 5.050    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.446  | 43    | 14479    | 6.737    | ug/L   | 93       |
| 16) Methylene chloride        | 2.513  | 84    | 49656    | 4.687    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 94727    | 5.602    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.767  | 96    | 47623    | 5.201    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.195  | 63    | 91556    | 5.903    | ug/L   | 98       |
| 21) 2-Butanone                | 3.986  | 43    | 89894    | 67.272   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.918  | 96    | 50952    | 5.286    | ug/L   | 92       |
| 23) Bromochloromethane        | 4.259  | 128   | 21996    | 5.496    | ug/L   | 96       |
| 25) Chloroform                | 4.381  | 83    | 96527    | 5.896    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041422\  
 Data File : VW025557.D  
 Acq On : 14 Apr 2022 19:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

Quant Time: Apr 15 07:25:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 15 07:05:00 2022  
 Response via : Initial Calibration

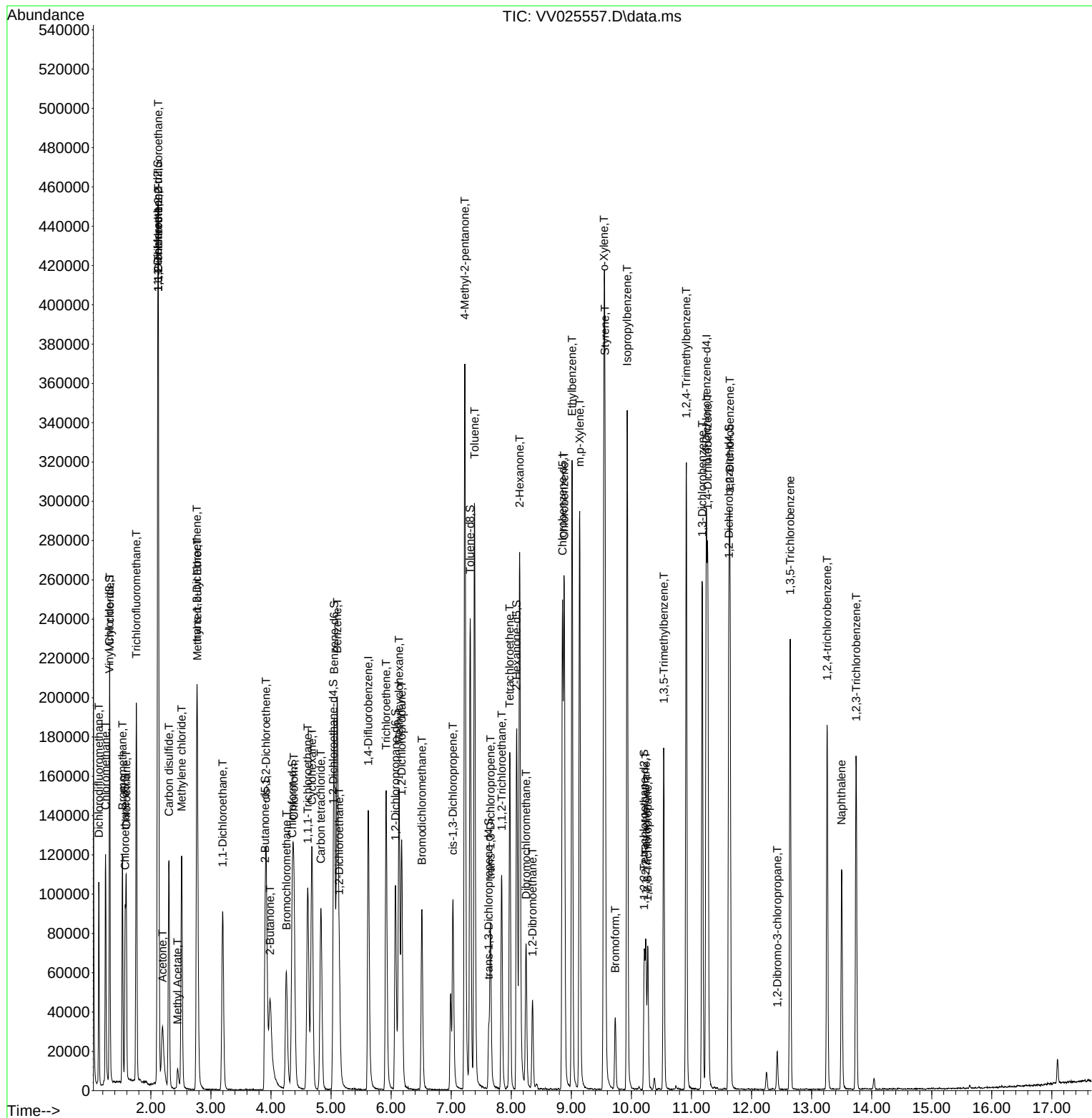
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 51981    | 6.018  | ug/L  | 95       |
| 29) 1,1,1-Trichloroethane     | 4.613  | 97   | 83515    | 5.580  | ug/L  | 98       |
| 30) Cyclohexane               | 4.683  | 56   | 61658    | 4.531  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 68456    | 5.408  | ug/L  | 99       |
| 33) Benzene                   | 5.101  | 78   | 203637   | 5.432  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 53947    | 5.420  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.133  | 83   | 60516    | 3.810  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 50247    | 5.794  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 61671    | 5.728  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 58961    | 5.188  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 236250   | 68.037 | ug/L  | 95       |
| 42) Toluene                   | 7.387  | 91   | 218074   | 5.348  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 48117    | 5.450  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 32927    | 5.670  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.976  | 164  | 36651    | 4.703  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 169688   | 70.122 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.246  | 129  | 36144    | 5.669  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 30176    | 5.532  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.883  | 112  | 137978   | 5.299  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 220492   | 5.070  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 84186    | 5.091  | ug/L  | 98       |
| 54) o-Xylene                  | 9.545  | 106  | 86096    | 5.361  | ug/L  | 97       |
| 55) Styrene                   | 9.561  | 104  | 143661   | 5.501  | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 35571    | 6.130  | ug/L  | 98       |
| 59) Bromoform                 | 9.731  | 173  | 15849    | 5.572  | ug/L  | 94       |
| 60) Isopropylbenzene          | 9.931  | 105  | 219102   | 5.137  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 28034    | 6.178  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 90387    | 4.753  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 165033   | 4.816  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 101438   | 5.095  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 100712   | 4.984  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 91780    | 5.206  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4687     | 5.974  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 65812    | 4.345  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 52639    | 4.508  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 87400    | 5.102  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 48071    | 4.972  | ug/L  | 96       |

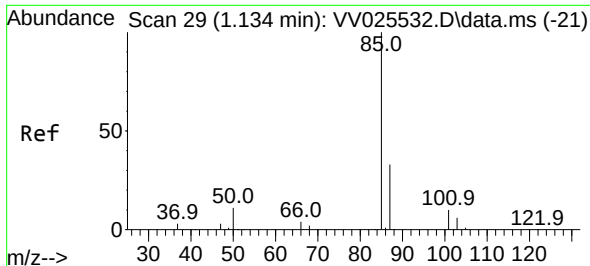
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041422\  
 Data File : VV025557.D  
 Acq On : 14 Apr 2022 19:59  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

Quant Time: Apr 15 07:25:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 15 07:05:00 2022  
 Response via : Initial Calibration

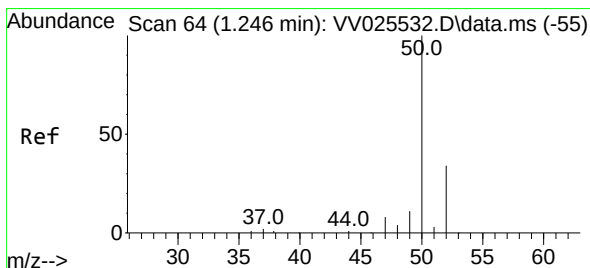
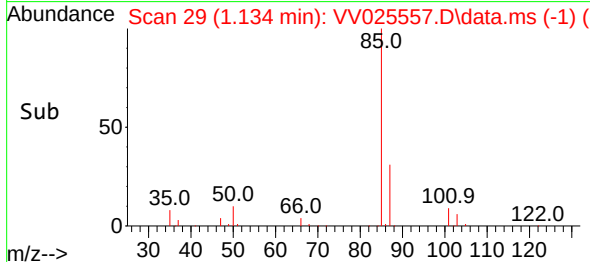
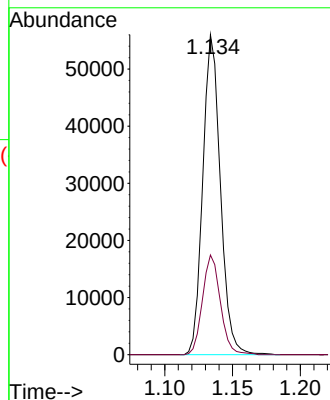
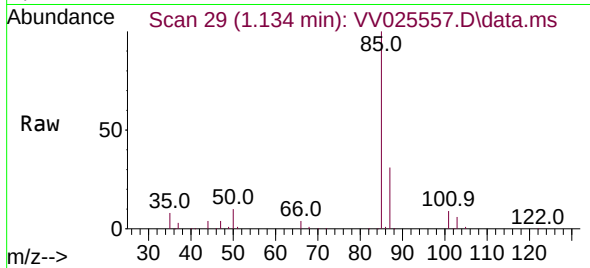




#2  
 Dichlorodifluoromethane  
 Concen: 4.443 ug/L  
 RT: 1.134 min Scan# 29  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

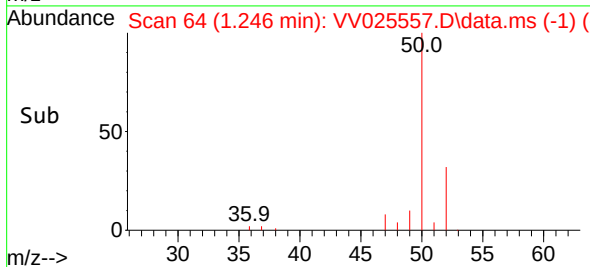
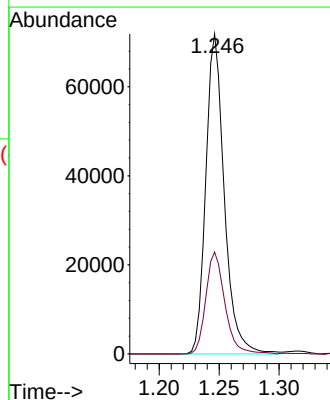
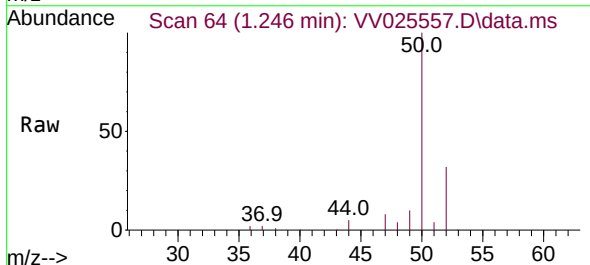
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

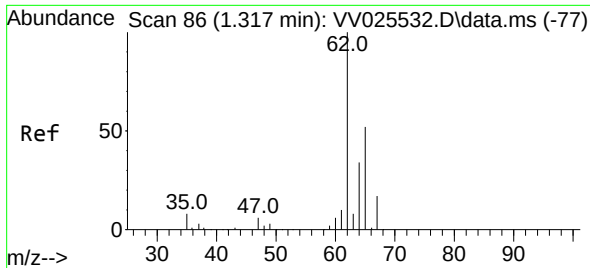
Tgt Ion: 85 Resp: 50567  
 Ion Ratio Lower Upper  
 85 100  
 87 31.7 25.6 38.4



#3  
 Chloromethane  
 Concen: 6.237 ug/L  
 RT: 1.246 min Scan# 64  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

Tgt Ion: 50 Resp: 77133  
 Ion Ratio Lower Upper  
 50 100  
 52 31.8 23.7 43.9

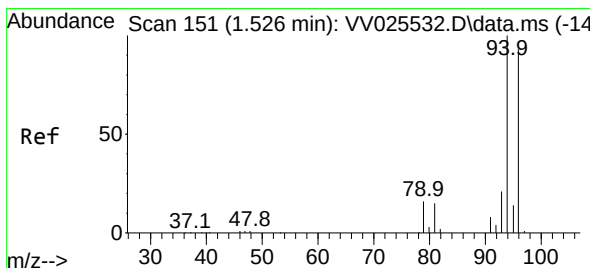
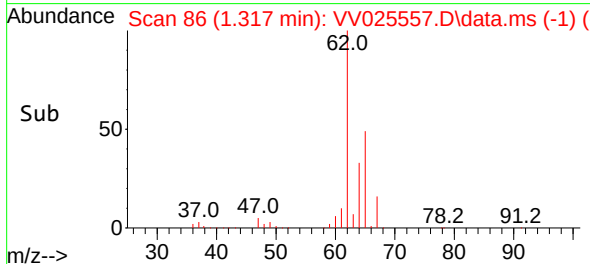
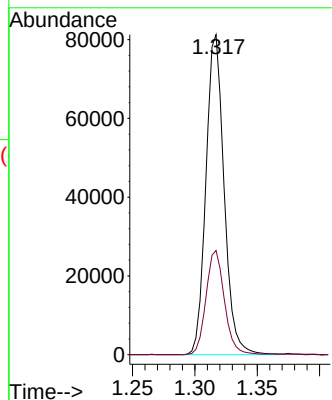
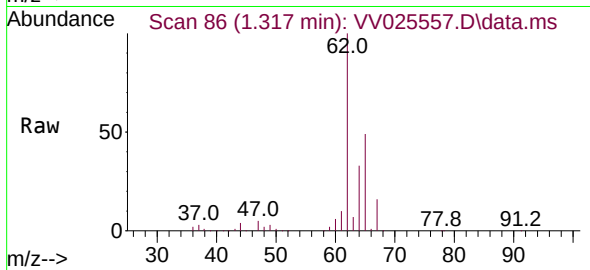




#5  
 Vinyl chloride  
 Concen: 5.899 ug/L  
 RT: 1.317 min Scan# 86  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

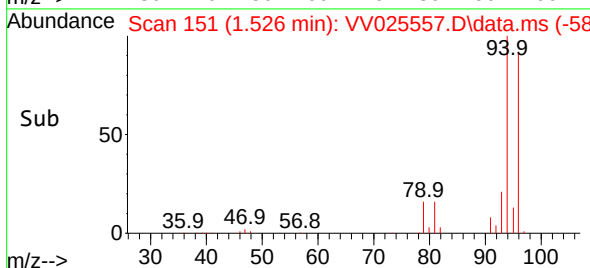
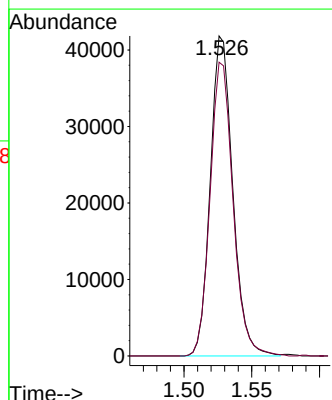
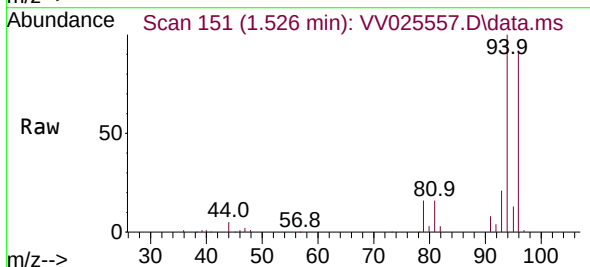
Instrument :  
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 ClientSampleId :  
 VSTD005378

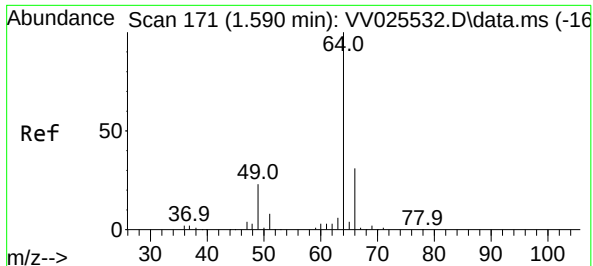
Tgt Ion: 62 Resp: 82435  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.2 43.2



#6  
 Bromomethane  
 Concen: 4.789 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

Tgt Ion: 94 Resp: 48258  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 66.1 122.7

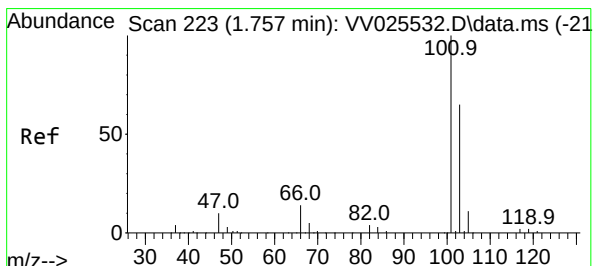
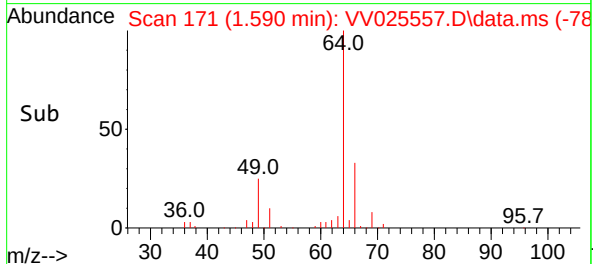
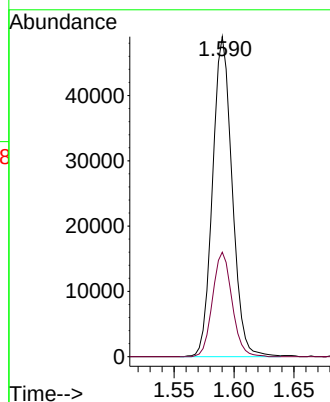
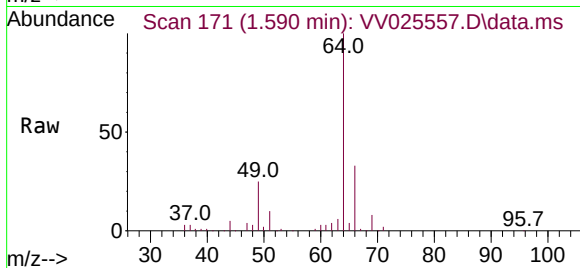




#8  
Chloroethane  
Concen: 5.155 ug/L  
RT: 1.590 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

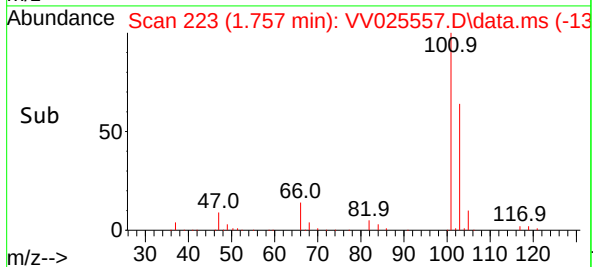
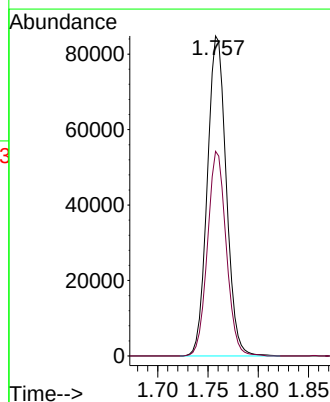
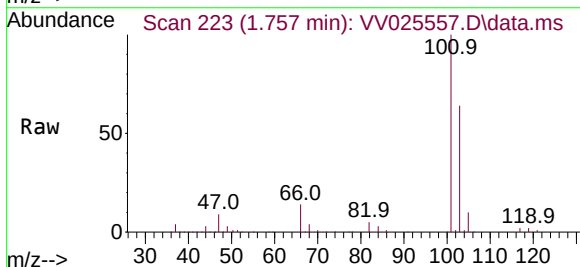
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

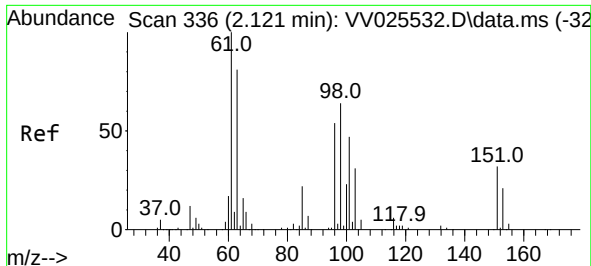
Tgt Ion: 64 Resp: 55610  
Ion Ratio Lower Upper  
64 100  
66 32.6 21.8 40.6



#9  
Trichlorofluoromethane  
Concen: 5.658 ug/L  
RT: 1.757 min Scan# 223  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion:101 Resp: 111059  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.9 77.9

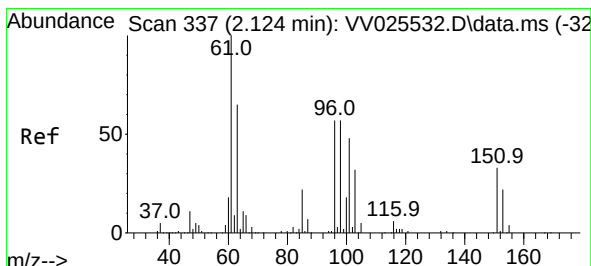
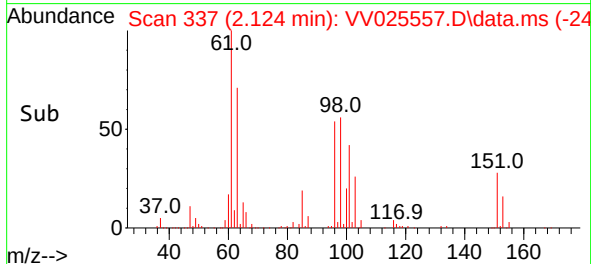
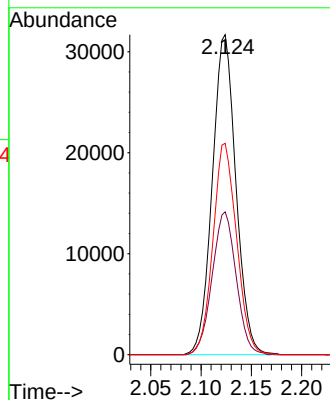
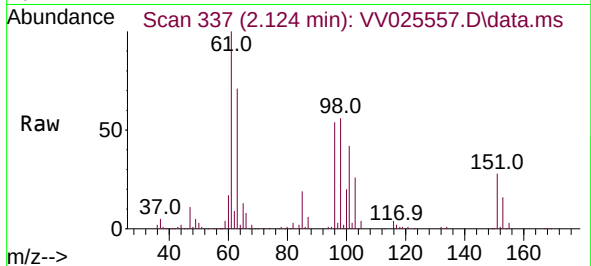




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.697 ug/L  
 RT: 2.124 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

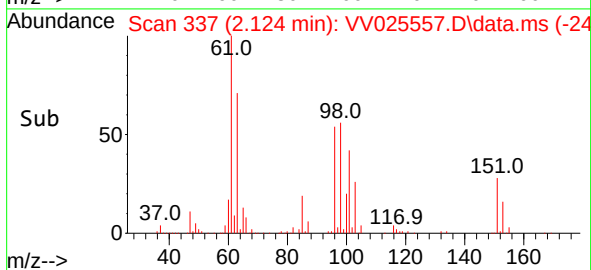
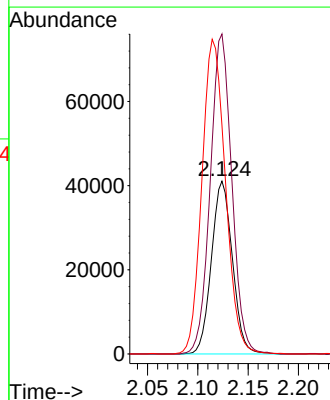
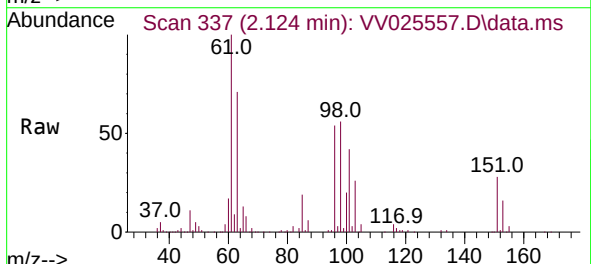
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

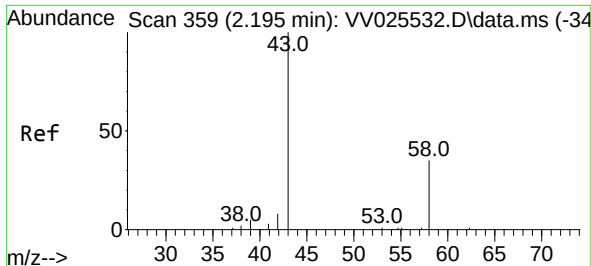
Tgt Ion:101 Resp: 51792  
 Ion Ratio Lower Upper  
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 151 66.1 56.0 84.0



#12  
 1,1-Dichloroethene  
 Concen: 5.458 ug/L  
 RT: 2.124 min Scan# 337  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

Tgt Ion: 96 Resp: 59640  
 Ion Ratio Lower Upper  
 96 100  
 61 185.2 125.2 232.4  
 63 132.3 114.4 212.4





#13

Acetone

Concen: 62.720 ug/L

RT: 2.195 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

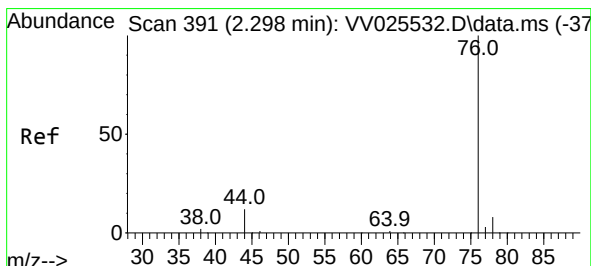
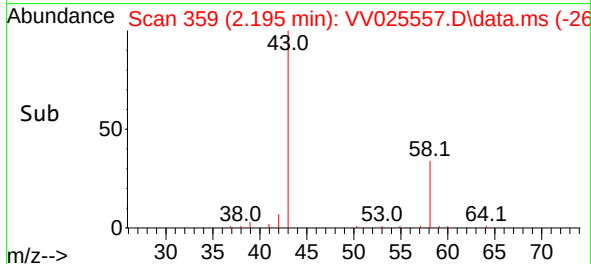
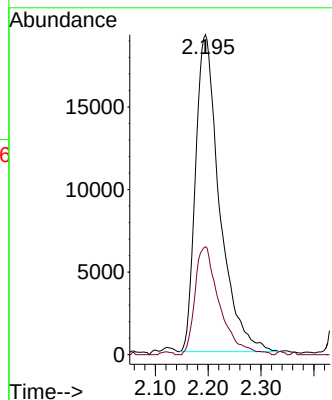
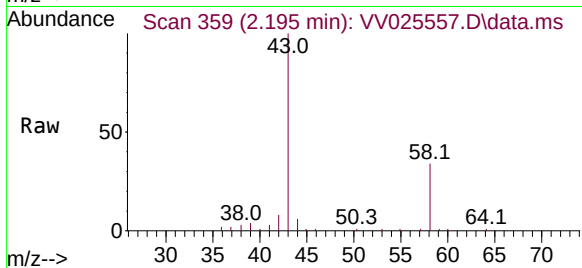
VSTD005378

Tgt Ion: 43 Resp: 60654

Ion Ratio Lower Upper

43 100

58 34.8 0.0 72.2



#14

Carbon disulfide

Concen: 5.050 ug/L

RT: 2.301 min Scan# 392

Delta R.T. 0.003 min

Lab File: VV025557.D

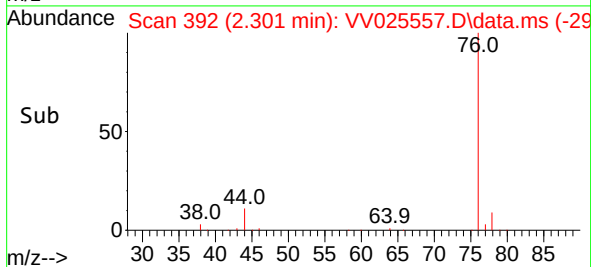
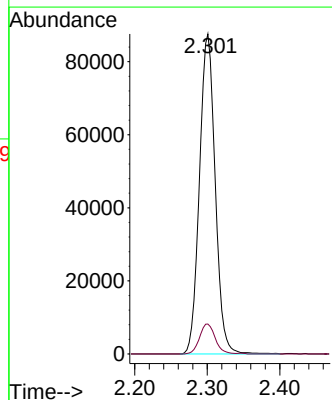
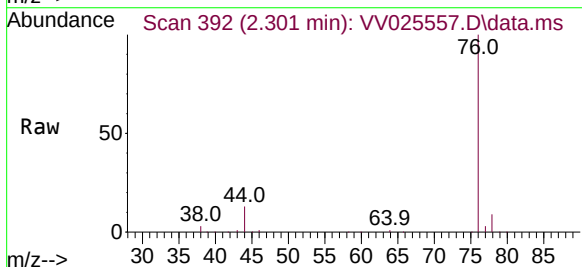
Acq: 14 Apr 2022 19:59

Tgt Ion: 76 Resp: 132088

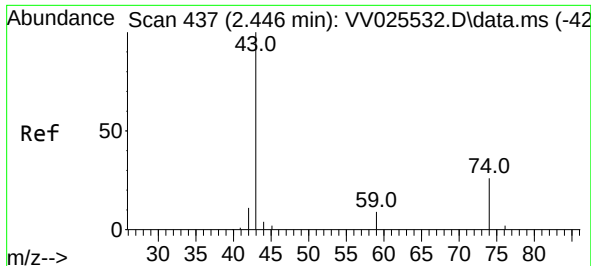
Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



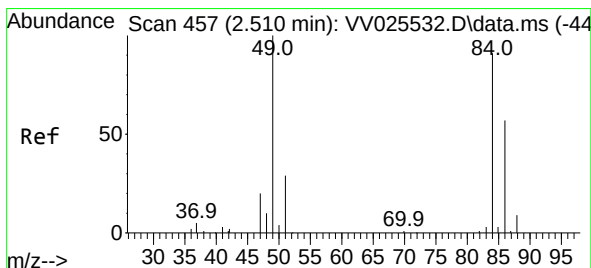
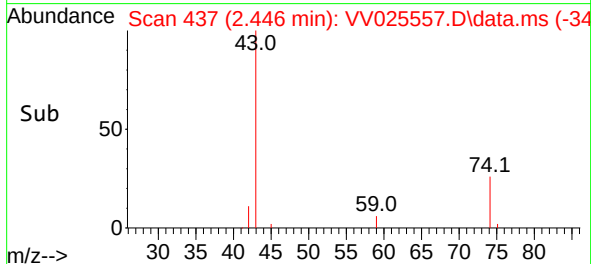
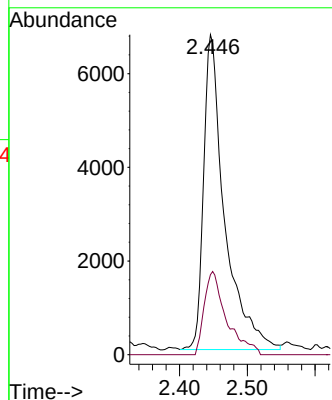
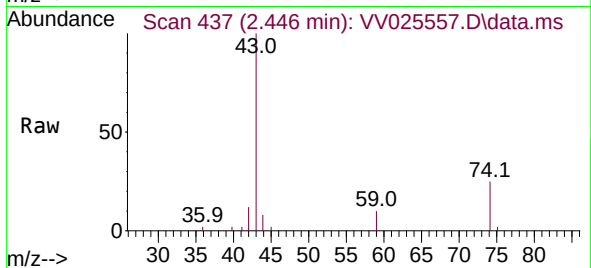




#15  
Methyl Acetate  
Concen: 6.737 ug/L  
RT: 2.446 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

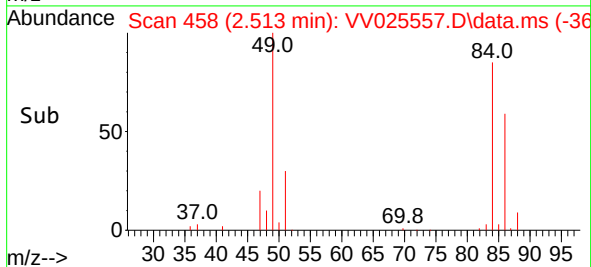
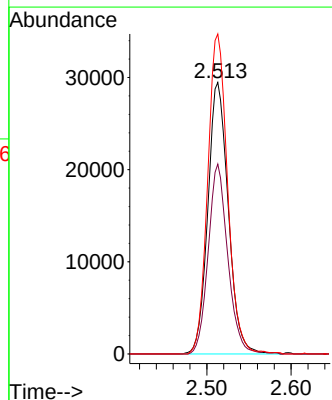
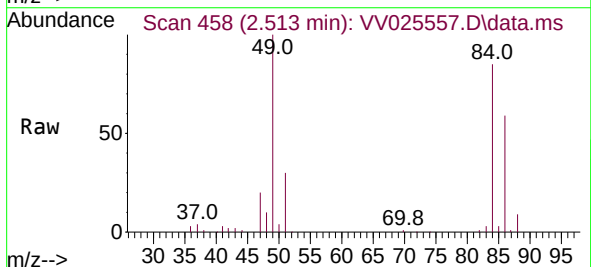
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

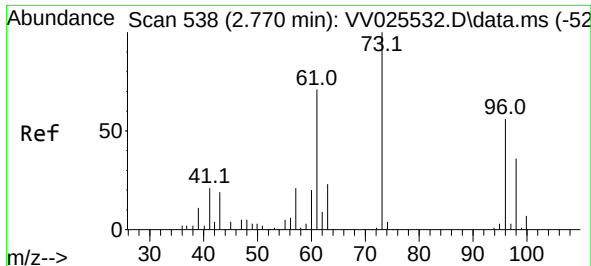
Tgt Ion: 43 Resp: 14479  
Ion Ratio Lower Upper  
43 100  
74 27.8 25.2 37.8



#16  
Methylene chloride  
Concen: 4.687 ug/L  
RT: 2.513 min Scan# 458  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 84 Resp: 49656  
Ion Ratio Lower Upper  
84 100  
86 69.9 45.9 85.3  
49 117.9 76.6 142.3

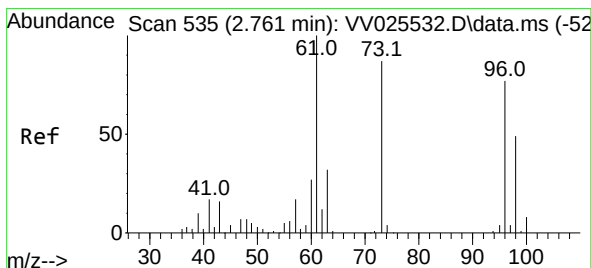
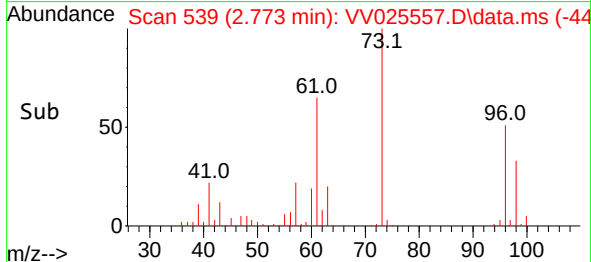
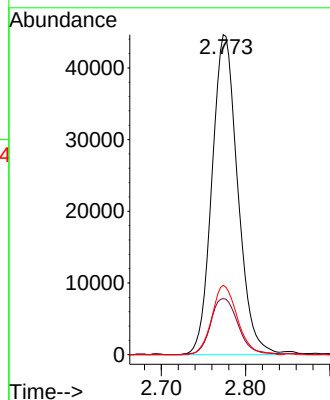
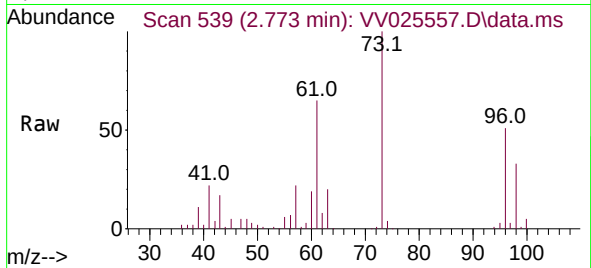




#17  
Methyl tert-butyl Ether  
Concen: 5.602 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

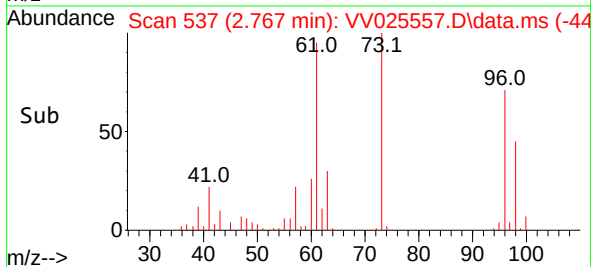
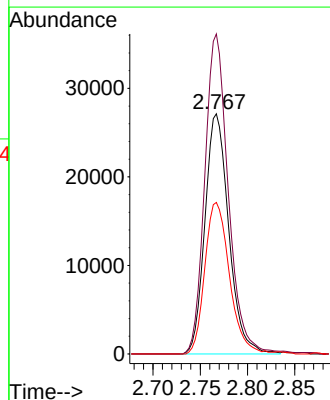
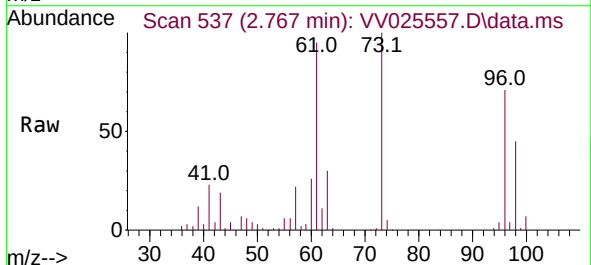
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

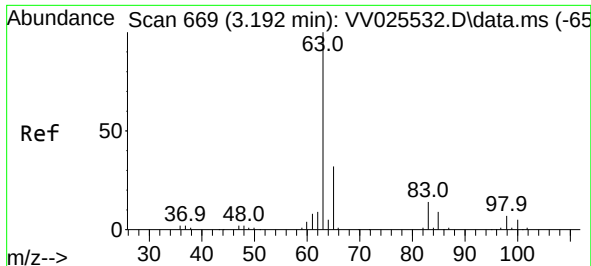
Tgt Ion: 73 Resp: 94727  
Ion Ratio Lower Upper  
73 100  
43 18.9 14.2 21.4  
57 21.5 16.1 24.1



#18  
trans-1,2-Dichloroethene  
Concen: 5.201 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.006 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 96 Resp: 47623  
Ion Ratio Lower Upper  
96 100  
61 133.3 92.1 171.1  
98 63.1 47.5 88.1





#19

1,1-Dichloroethane

Concen: 5.903 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005378

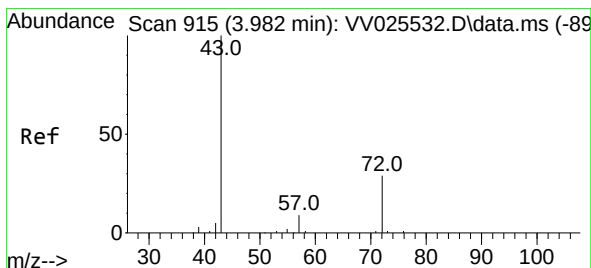
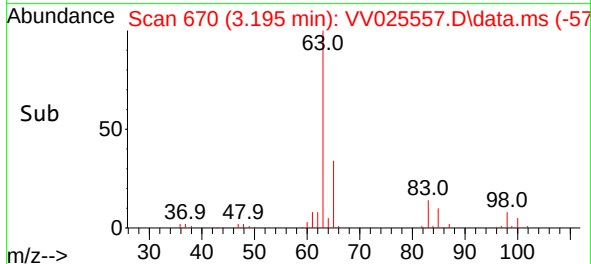
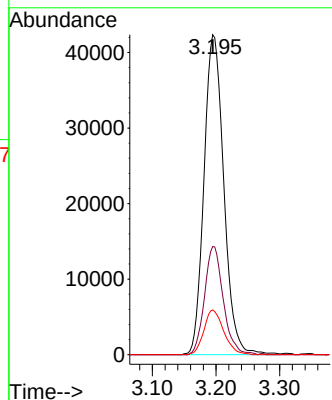
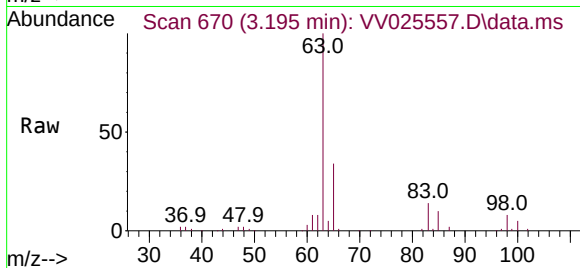
Tgt Ion: 63 Resp: 91556

Ion Ratio Lower Upper

63 100

65 33.8 23.2 43.0

83 14.0 9.0 16.8



#21

2-Butanone

Concen: 67.272 ug/L

RT: 3.986 min Scan# 916

Delta R.T. 0.003 min

Lab File: VV025557.D

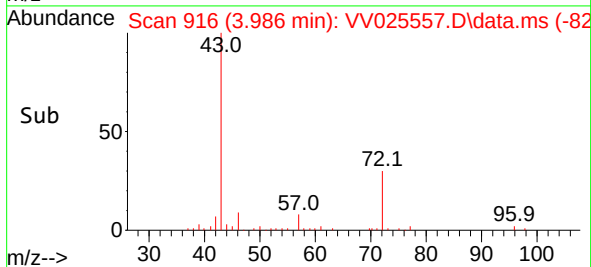
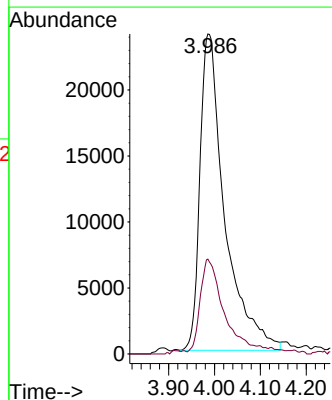
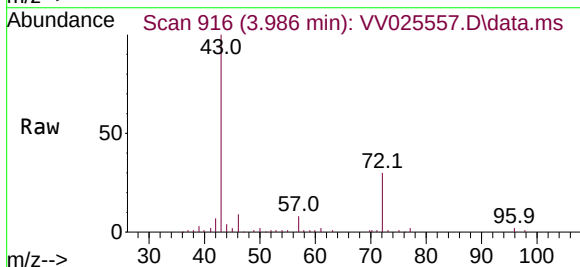
Acq: 14 Apr 2022 19:59

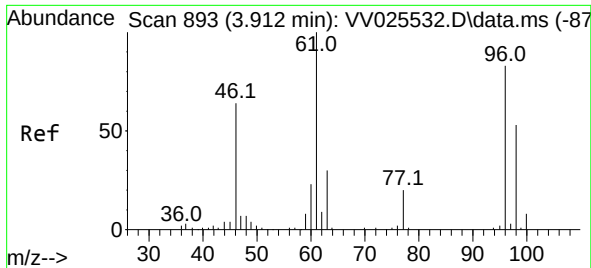
Tgt Ion: 43 Resp: 89894

Ion Ratio Lower Upper

43 100

72 27.3 15.2 45.6

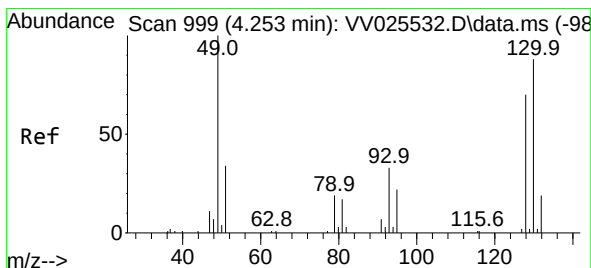
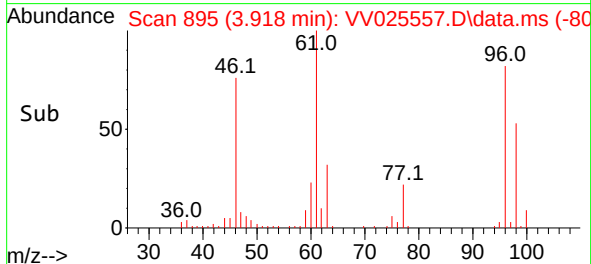
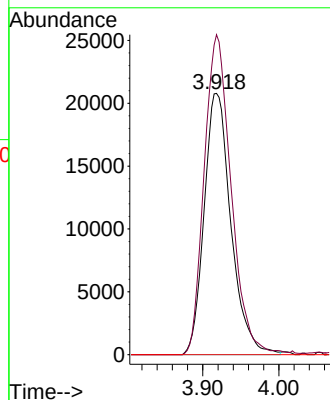
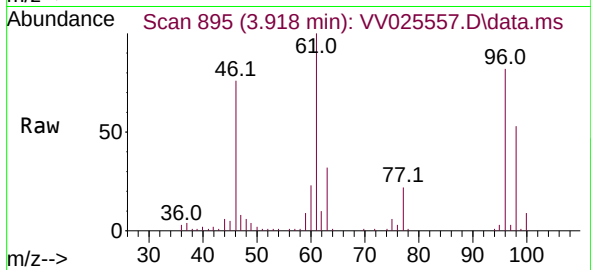




#22  
 cis-1,2-Dichloroethene  
 Concen: 5.286 ug/L  
 RT: 3.918 min Scan# 893  
 Delta R.T. 0.006 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

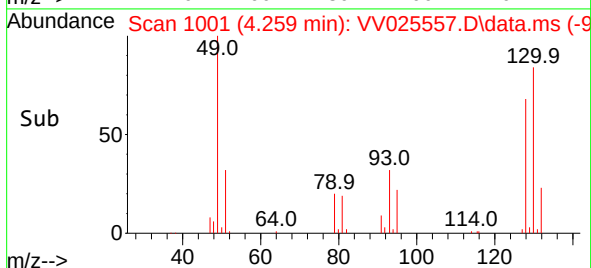
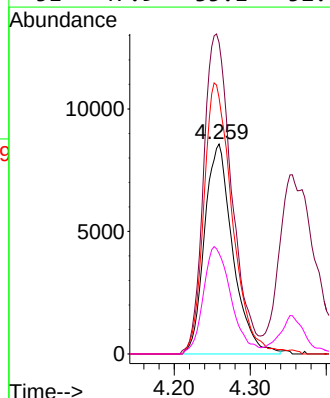
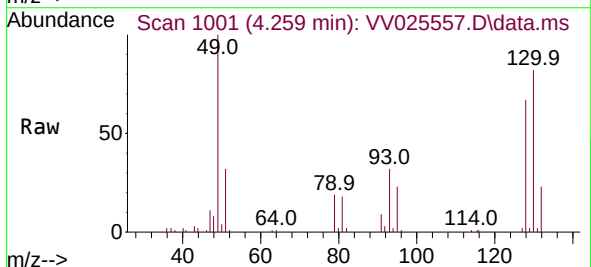
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

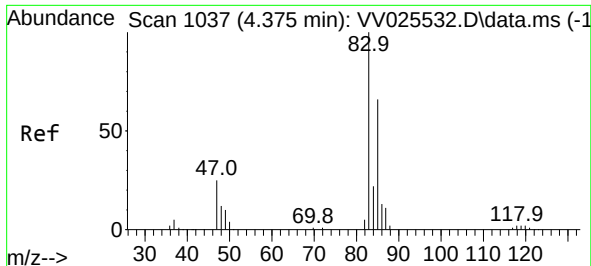
Tgt Ion: 96 Resp: 50952  
 Ion Ratio Lower Upper  
 96 100  
 61 122.5 80.0 148.6  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 5.496 ug/L  
 RT: 4.259 min Scan# 1001  
 Delta R.T. 0.006 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

Tgt Ion: 128 Resp: 21996  
 Ion Ratio Lower Upper  
 128 100  
 49 148.4 100.5 186.7  
 130 122.1 87.8 163.0  
 51 47.9 35.1 52.7





#25

Chloroform

Concen: 5.896 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

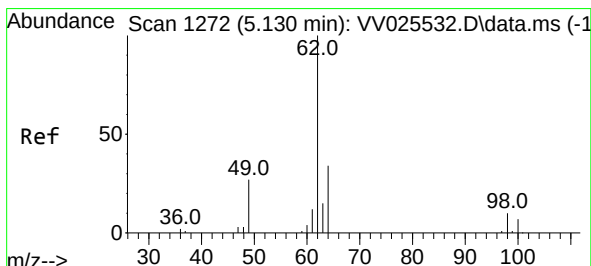
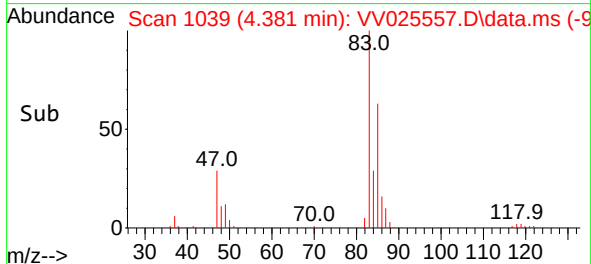
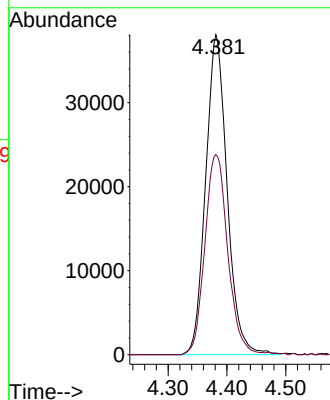
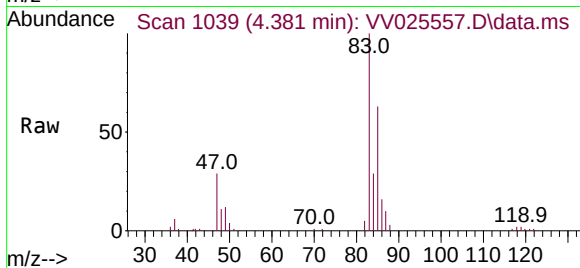
VSTD005378

Tgt Ion: 83 Resp: 96527

Ion Ratio Lower Upper

83 100

85 62.5 43.5 80.7



#27

1,2-Dichloroethane

Concen: 6.018 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VV025557.D

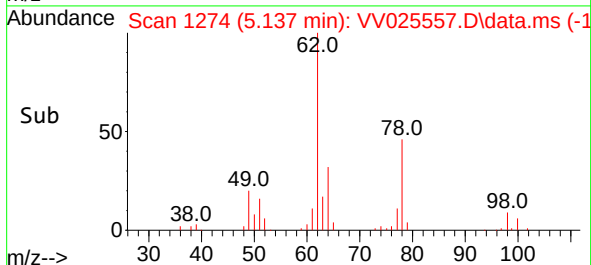
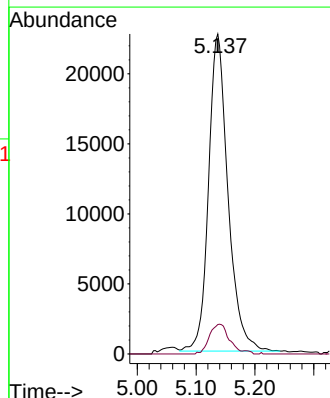
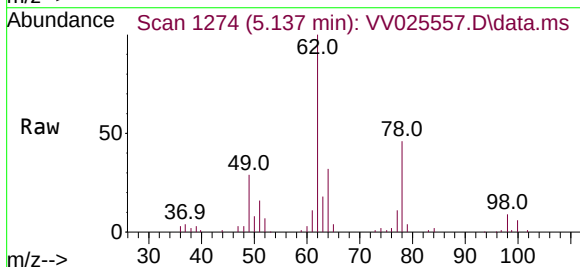
Acq: 14 Apr 2022 19:59

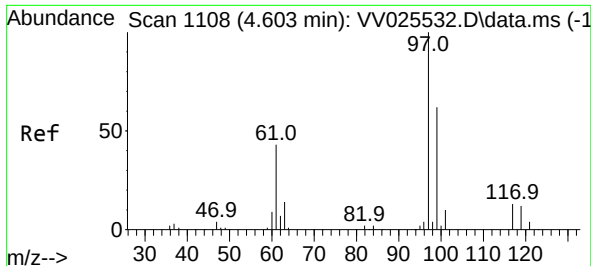
Tgt Ion: 62 Resp: 51981

Ion Ratio Lower Upper

62 100

98 9.2 8.8 13.2





#29

1,1,1-Trichloroethane

Concen: 5.580 ug/L

RT: 4.613 min Scan# 1108

Delta R.T. 0.010 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005378

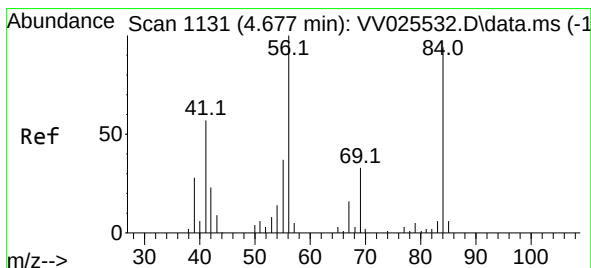
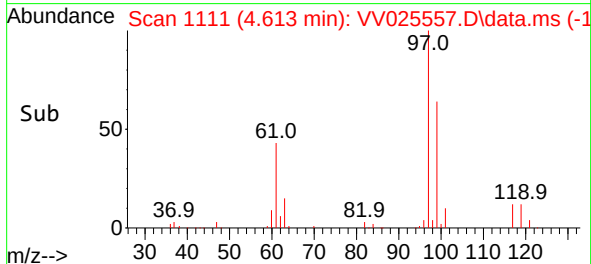
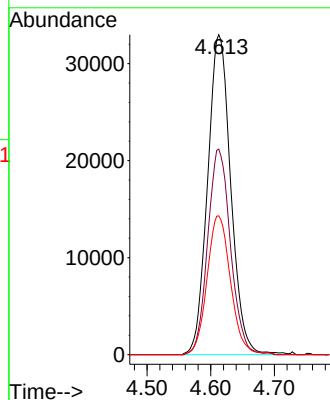
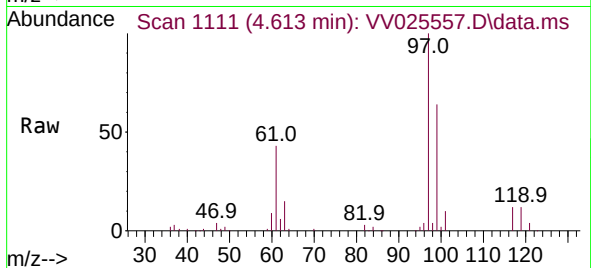
Tgt Ion: 97 Resp: 83515

Ion Ratio Lower Upper

97 100

99 63.2 51.5 77.3

61 44.0 34.3 51.5



#30

Cyclohexane

Concen: 4.531 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

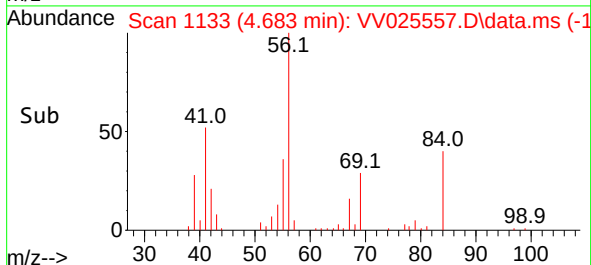
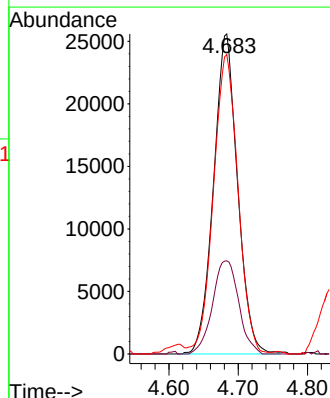
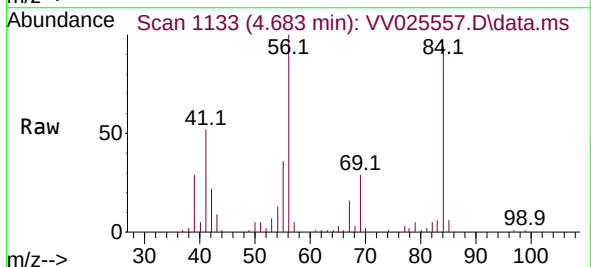
Tgt Ion: 56 Resp: 61658

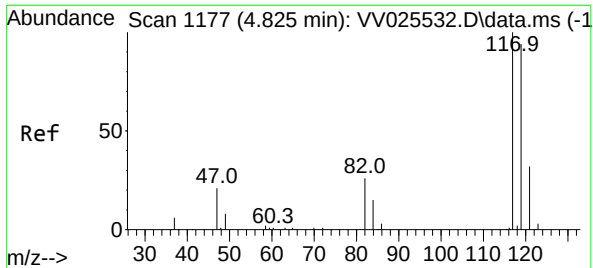
Ion Ratio Lower Upper

56 100

69 31.7 26.1 39.1

84 94.9 78.6 118.0

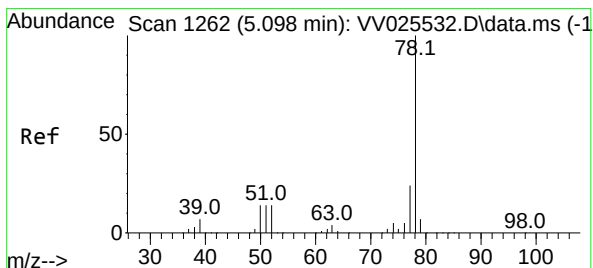
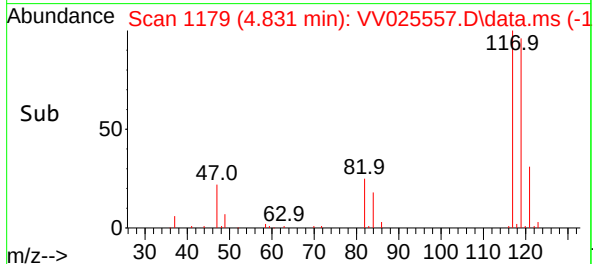
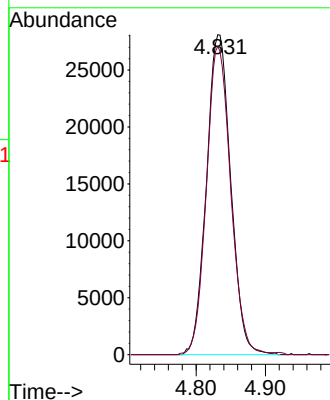
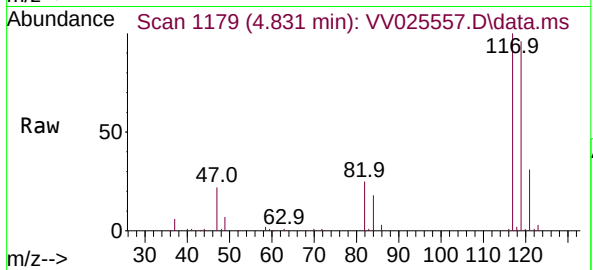




#31  
Carbon tetrachloride  
Concen: 5.408 ug/L  
RT: 4.831 min Scan# 1177  
Delta R.T. 0.006 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

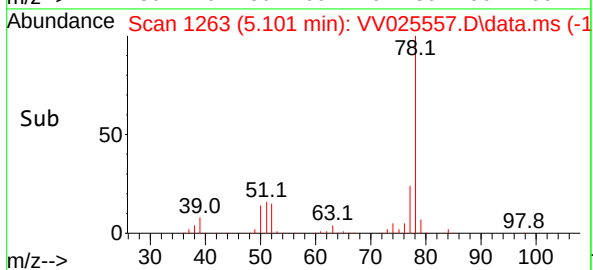
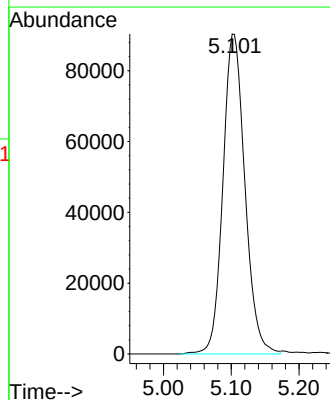
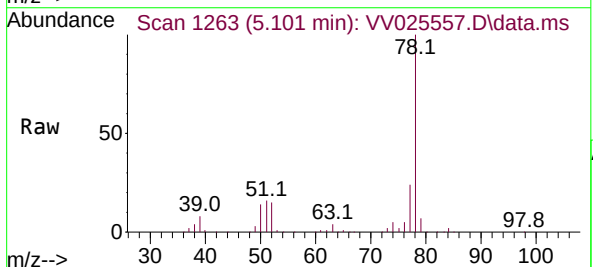
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

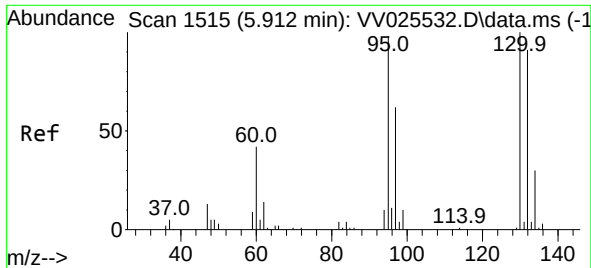
Tgt Ion:117 Resp: 68456  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.6 114.8



#33  
Benzene  
Concen: 5.432 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 78 Resp: 203637

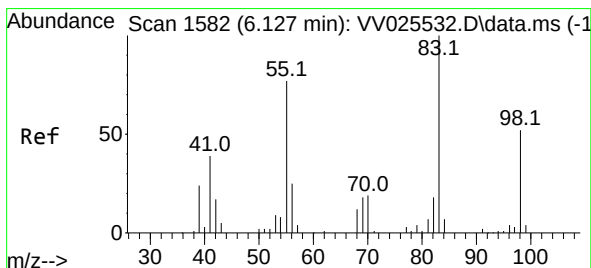
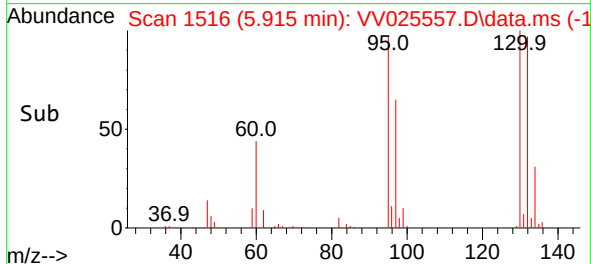
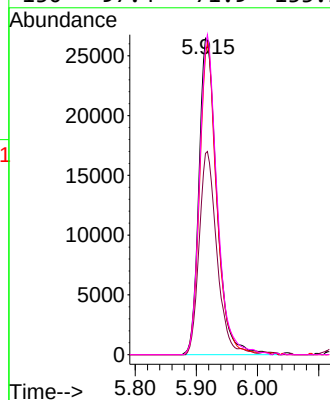
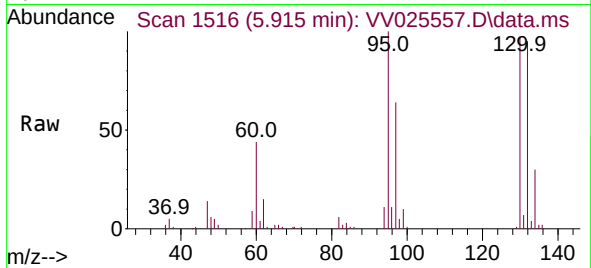




#34  
Trichloroethene  
Concen: 5.420 ug/L  
RT: 5.915 min Scan# 1515  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

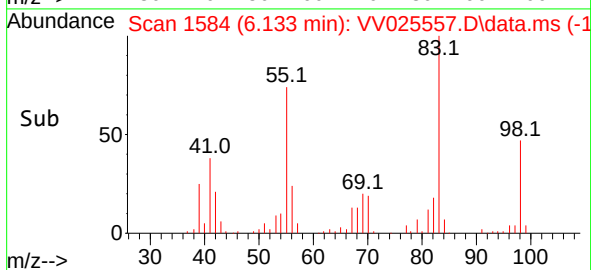
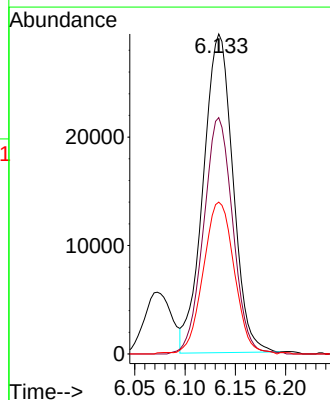
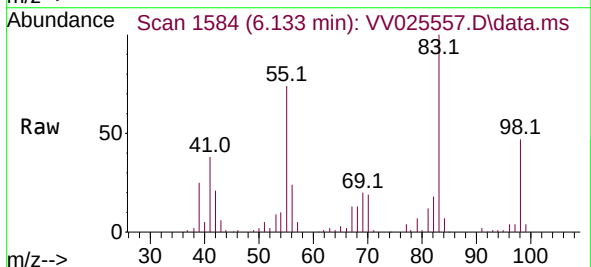
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

Tgt Ion: 95 Resp: 53947  
Ion Ratio Lower Upper  
95 100  
97 63.6 45.8 85.2  
132 94.7 68.0 126.4  
130 97.4 71.9 133.5

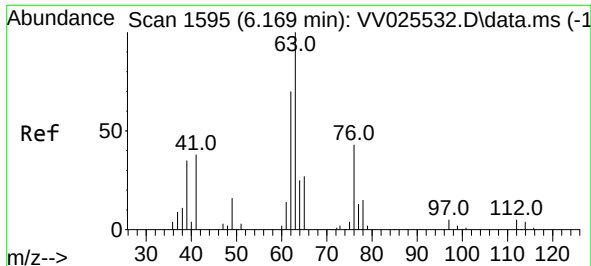


#35  
Methylcyclohexane  
Concen: 3.810 ug/L  
RT: 6.133 min Scan# 1584  
Delta R.T. 0.006 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 83 Resp: 60516  
Ion Ratio Lower Upper  
83 100  
55 73.0 53.7 80.5  
98 49.6 39.6 59.4







#37

1,2-Dichloropropane

Concen: 5.794 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

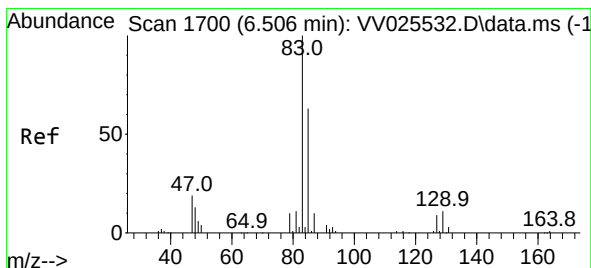
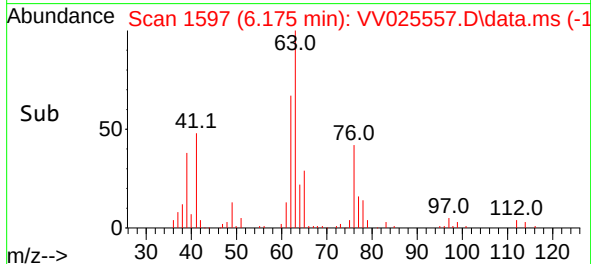
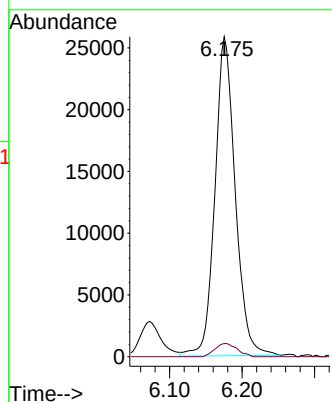
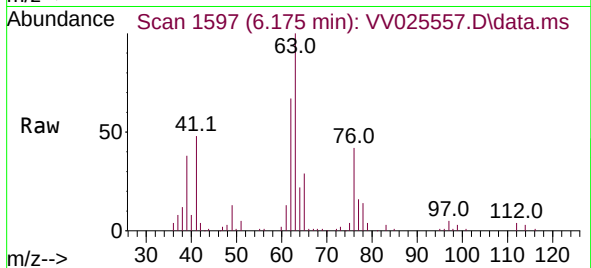
VSTD005378

Tgt Ion: 63 Resp: 50247

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#38

Bromodichloromethane

Concen: 5.728 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

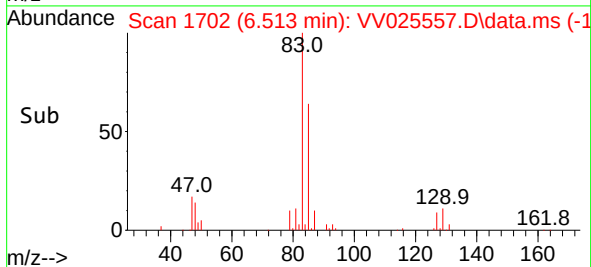
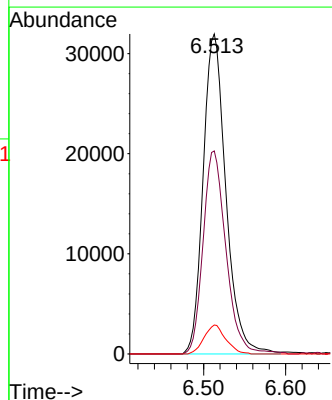
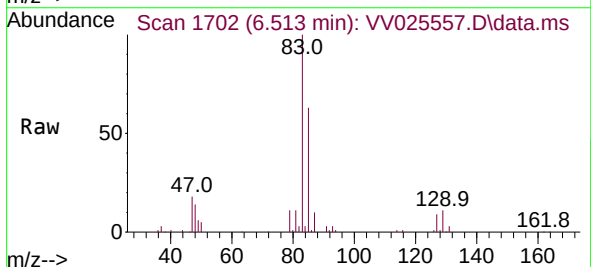
Tgt Ion: 83 Resp: 61671

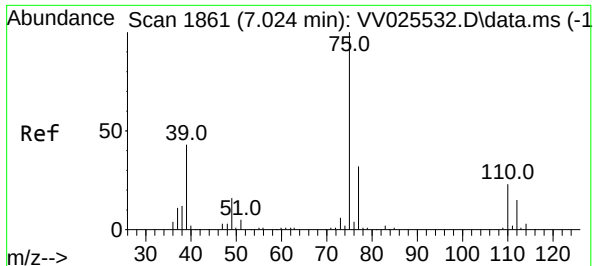
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.4

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.188 ug/L

RT: 7.031 min Scan# 1863

Delta R.T. 0.006 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

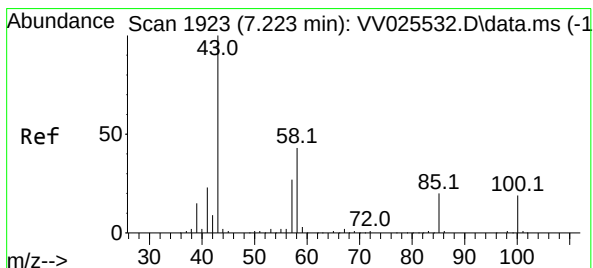
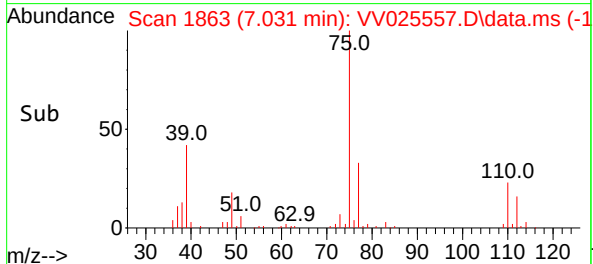
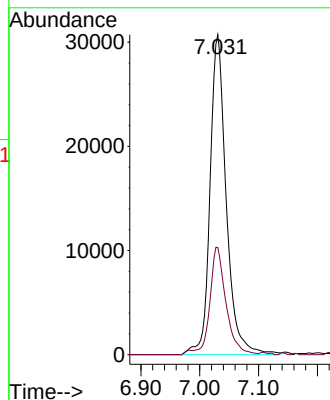
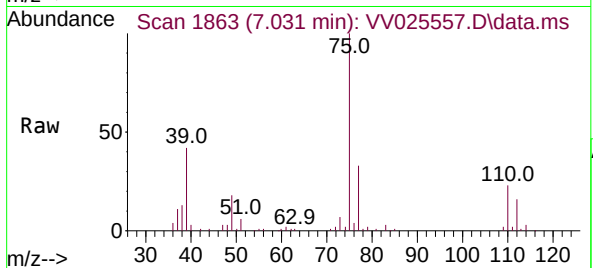
VSTD005378

Tgt Ion: 75 Resp: 58961

Ion Ratio Lower Upper

75 100

77 33.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 68.037 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

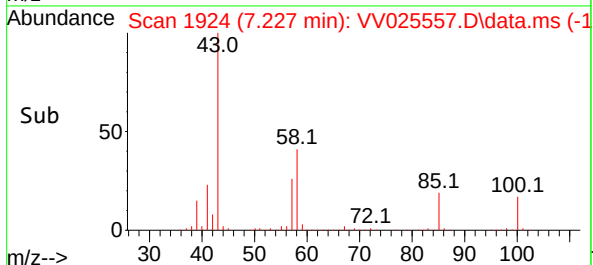
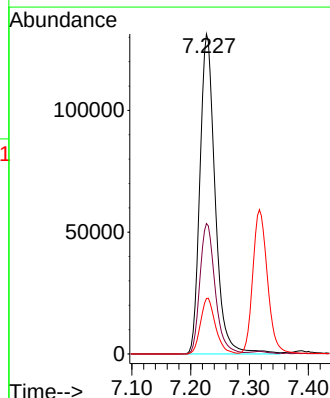
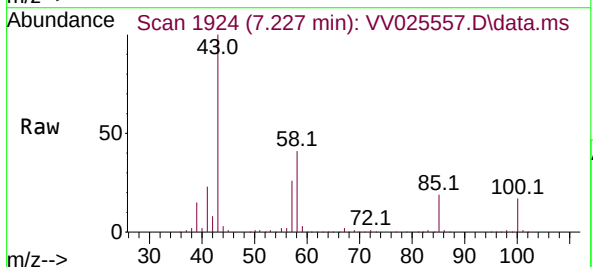
Tgt Ion: 43 Resp: 236250

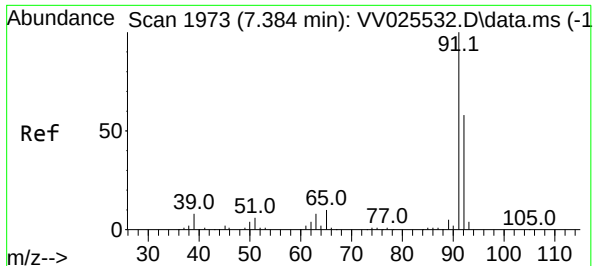
Ion Ratio Lower Upper

43 100

58 40.8 35.1 52.7

100 17.2 15.3 22.9





#42

Toluene

Concen: 5.348 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

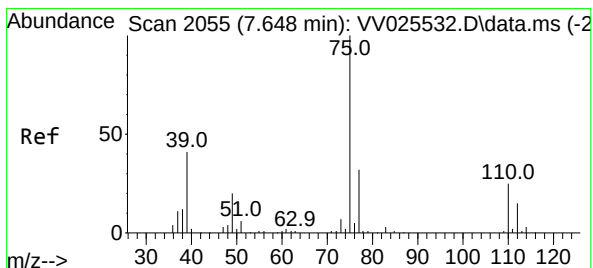
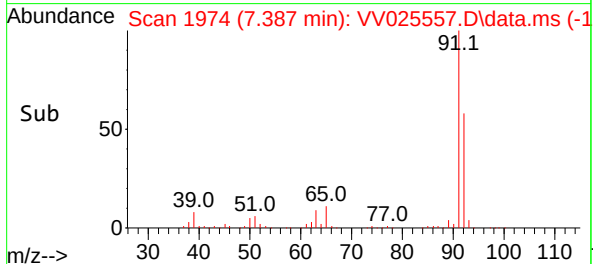
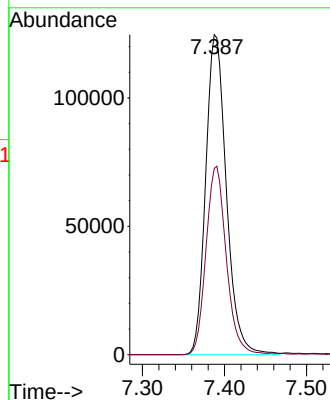
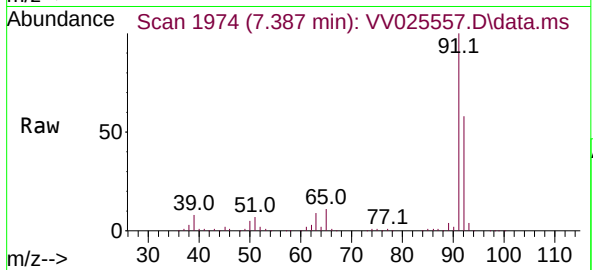
VSTD005378

Tgt Ion: 91 Resp: 218074

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.450 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VV025557.D

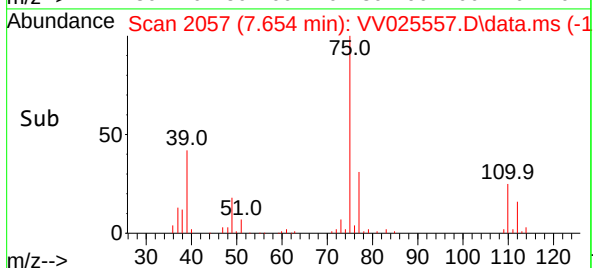
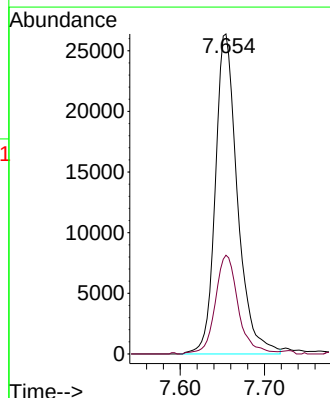
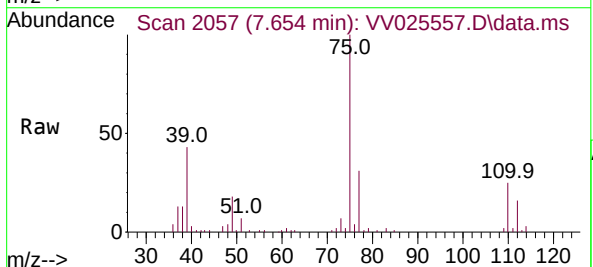
Acq: 14 Apr 2022 19:59

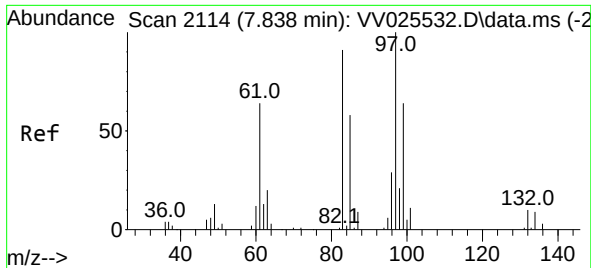
Tgt Ion: 75 Resp: 48117

Ion Ratio Lower Upper

75 100

77 30.8 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 5.670 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005378

Tgt Ion: 97 Resp: 32927

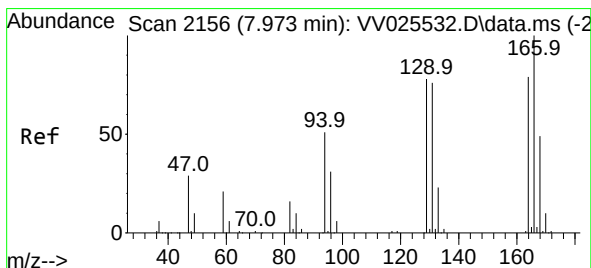
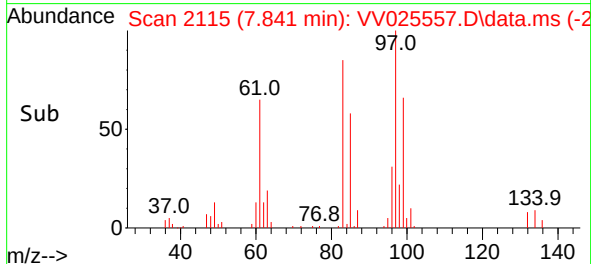
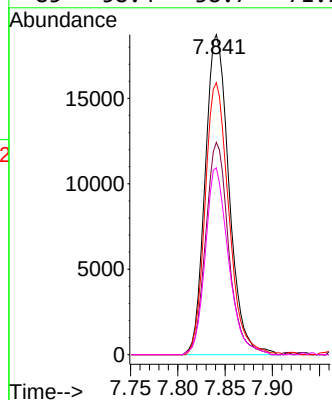
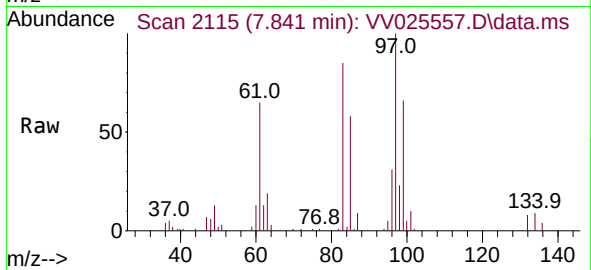
Ion Ratio Lower Upper

97 100

99 66.3 43.8 81.4

83 85.0 60.3 112.1

85 58.4 38.7 71.9



#47

Tetrachloroethene

Concen: 4.703 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Tgt Ion:164 Resp: 36651

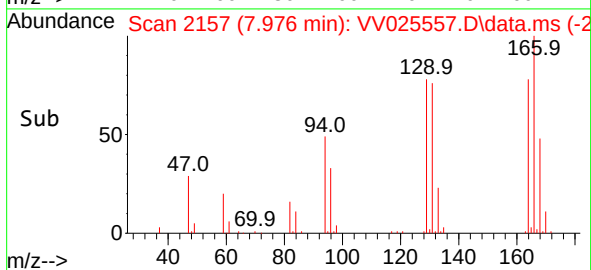
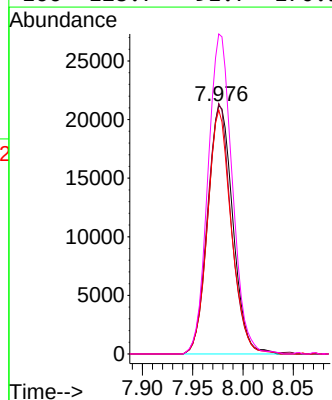
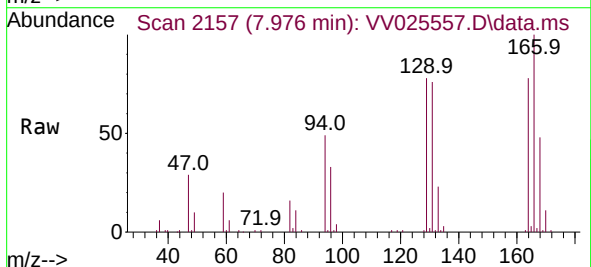
Ion Ratio Lower Upper

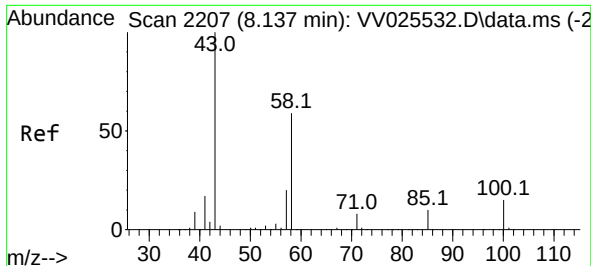
164 100

129 100.7 66.8 124.2

131 98.2 66.4 123.4

166 128.7 91.7 170.3



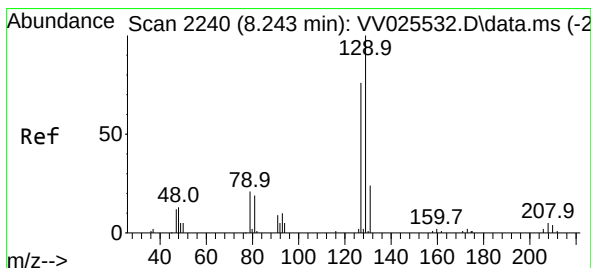
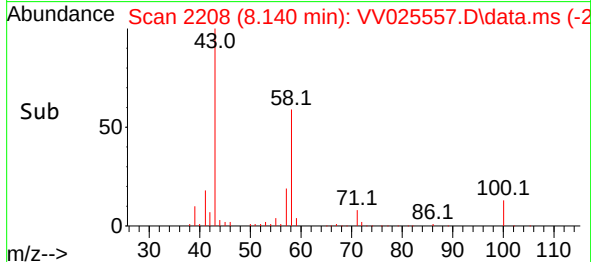
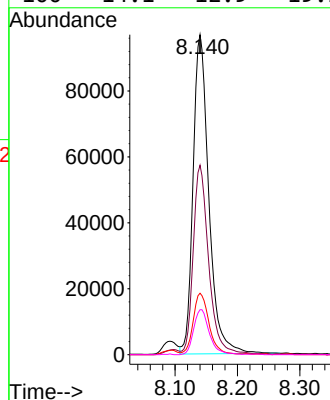
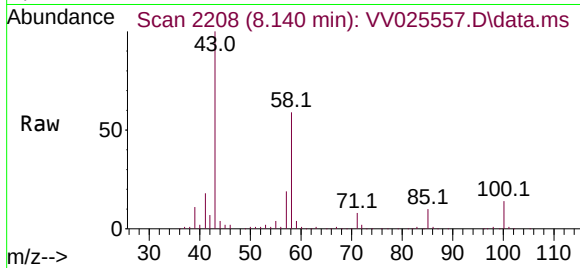


#48  
2-Hexanone  
Concen: 70.122 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

Tgt Ion: 43 Resp: 169688

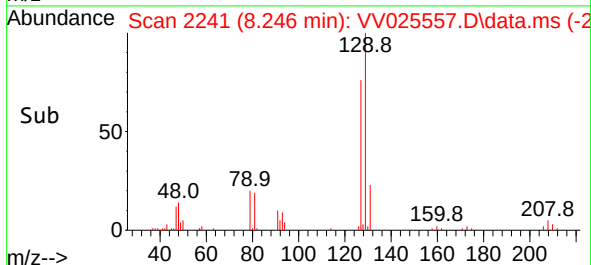
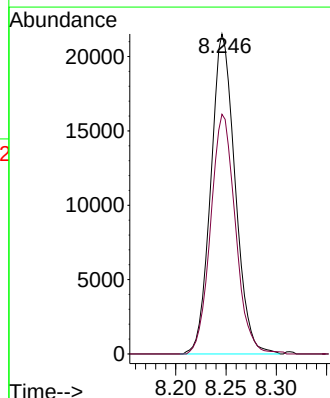
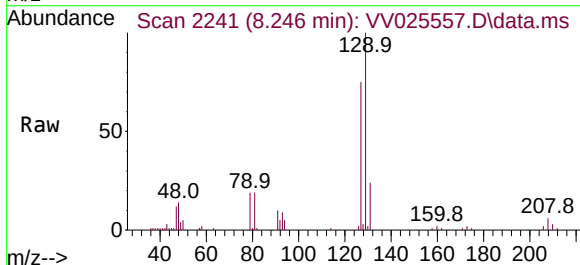
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 57.6  | 49.7  | 74.5  |
| 57  | 18.9  | 16.4  | 24.6  |
| 100 | 14.1  | 12.9  | 19.3  |

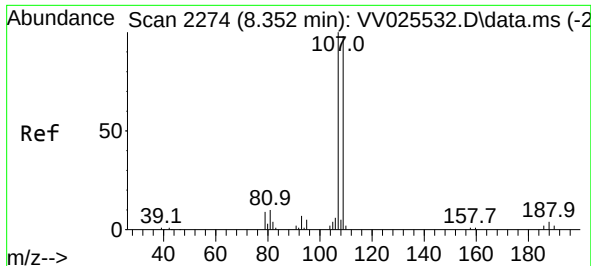


#49  
Dibromochloromethane  
Concen: 5.669 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 129 Resp: 36144

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 74.9  | 53.8  | 100.0 |

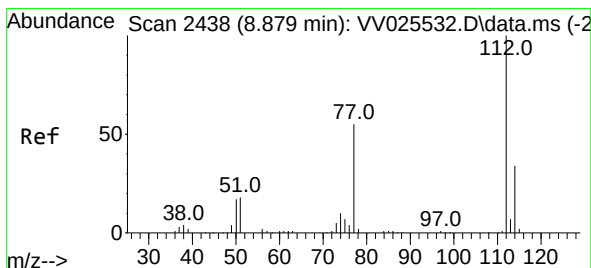
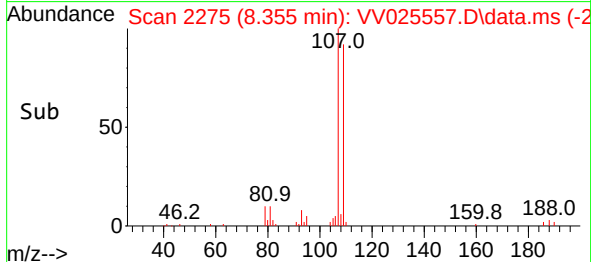
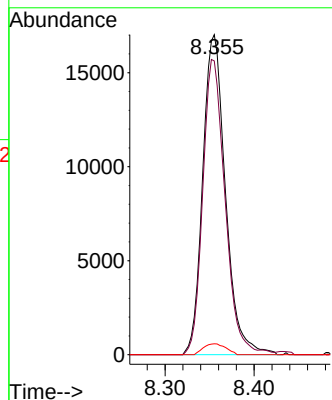
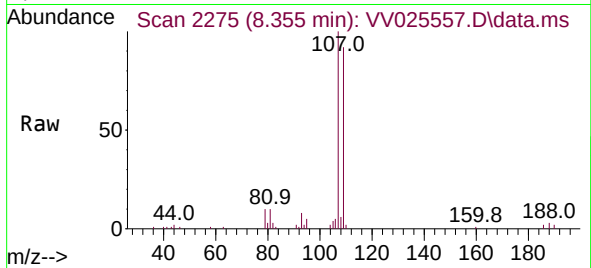




#50  
1,2-Dibromoethane  
Concen: 5.532 ug/L  
RT: 8.355 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

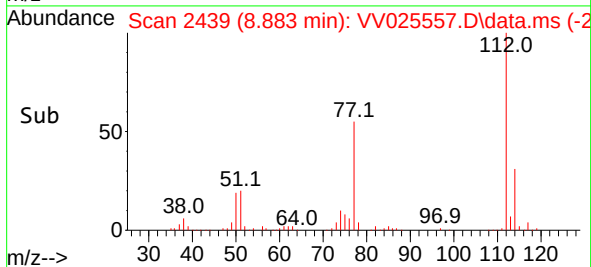
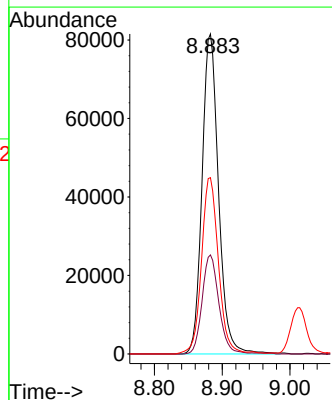
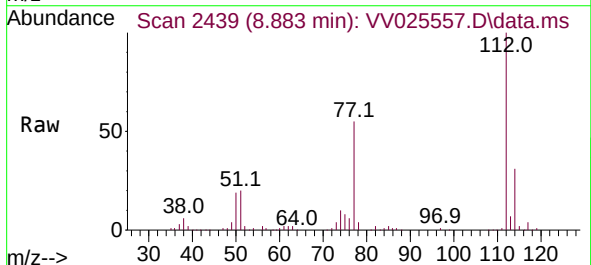
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

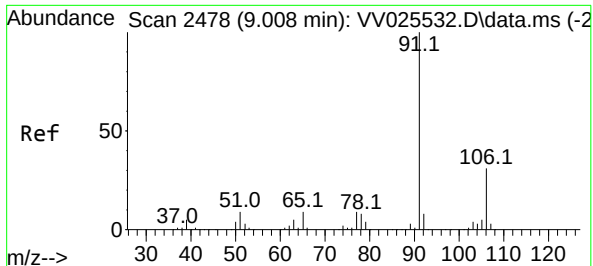
Tgt Ion:107 Resp: 30176  
Ion Ratio Lower Upper  
107 100  
109 91.8 65.9 122.3  
188 3.4 2.7 4.1



#51  
Chlorobenzene  
Concen: 5.299 ug/L  
RT: 8.883 min Scan# 2439  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion:112 Resp: 137978  
Ion Ratio Lower Upper  
112 100  
114 30.9 22.4 41.6  
77 55.1 43.7 65.5





#52

Ethylbenzene

Concen: 5.070 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

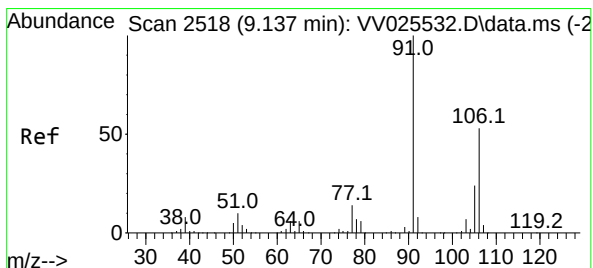
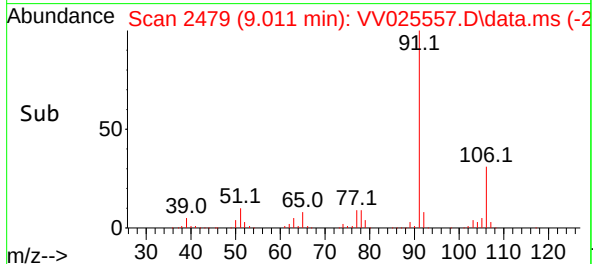
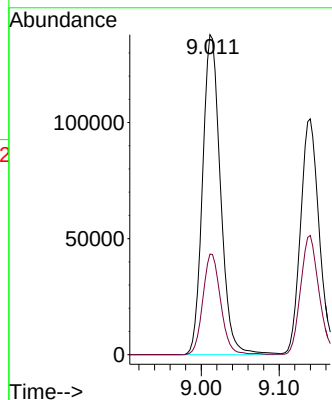
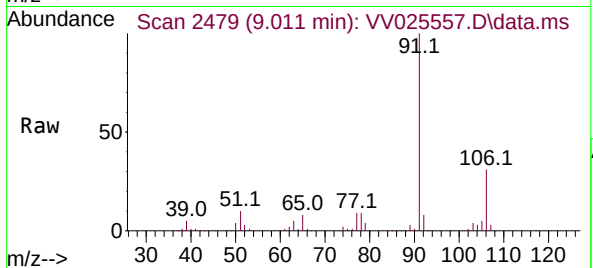
VSTD005378

Tgt Ion: 91 Resp: 220492

Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.3



#53

m,p-Xylene

Concen: 5.091 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV025557.D

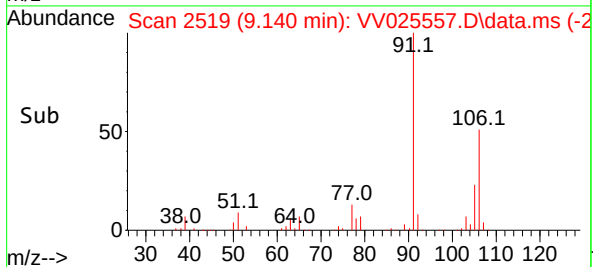
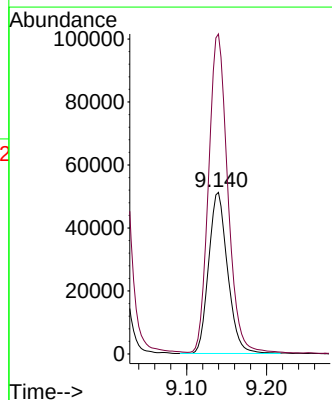
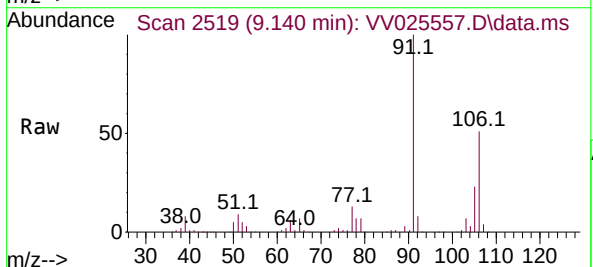
Acq: 14 Apr 2022 19:59

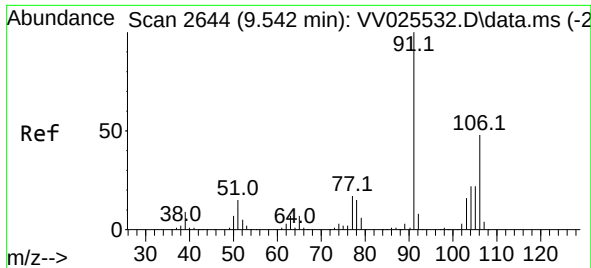
Tgt Ion: 106 Resp: 84186

Ion Ratio Lower Upper

106 100

91 198.0 136.4 253.4

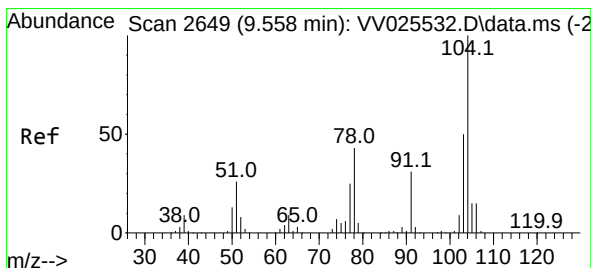
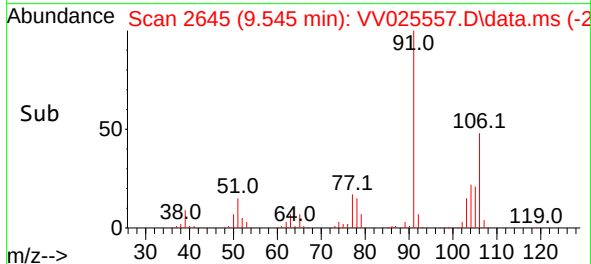
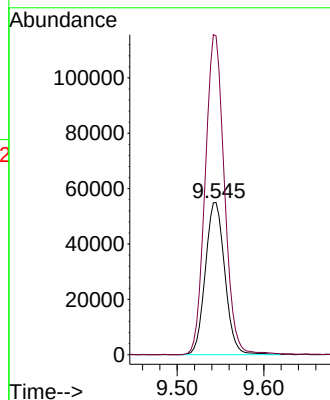
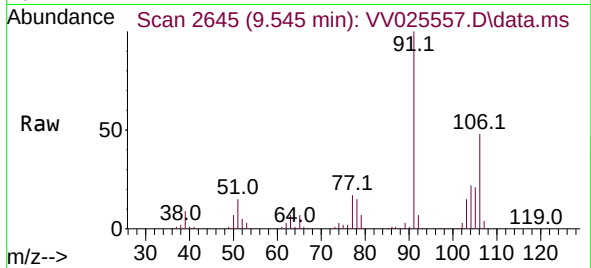




#54  
o-Xylene  
Concen: 5.361 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

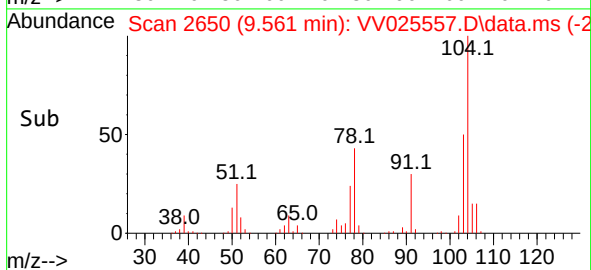
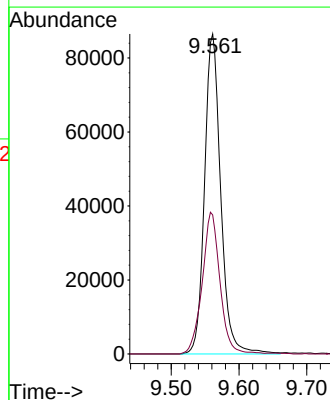
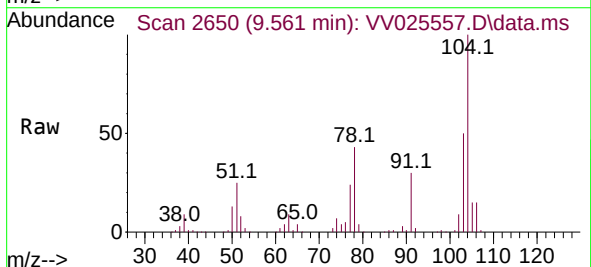
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

Tgt Ion:106 Resp: 86096  
Ion Ratio Lower Upper  
106 100  
91 209.6 150.4 279.2

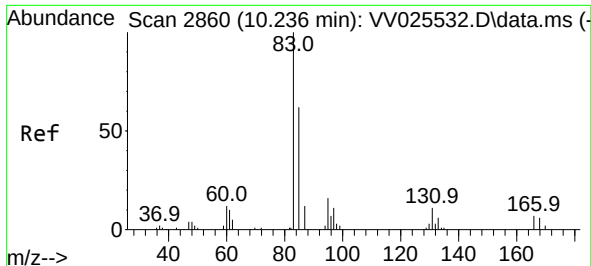


#55  
Styrene  
Concen: 5.501 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion:104 Resp: 143661  
Ion Ratio Lower Upper  
104 100  
78 43.4 28.3 52.7







#57

1,1,2,2-Tetrachloroethane

Concen: 6.130 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005378

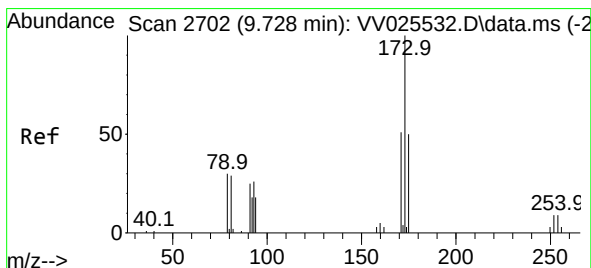
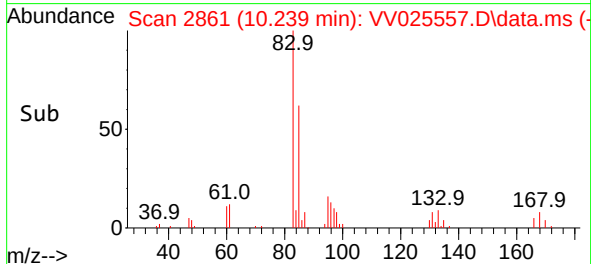
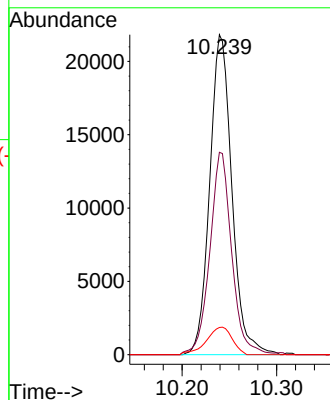
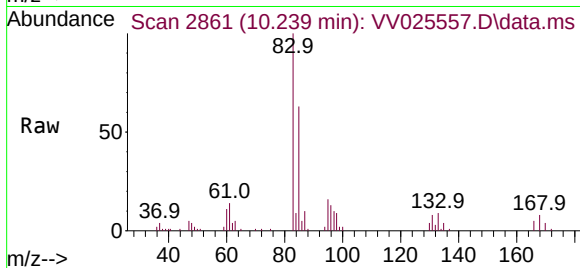
Tgt Ion: 83 Resp: 35571

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.9

131 8.5 7.9 11.9



#59

Bromoform

Concen: 5.572 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

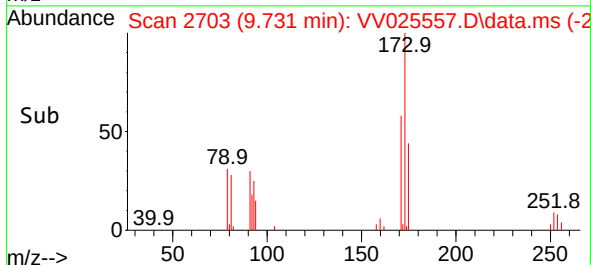
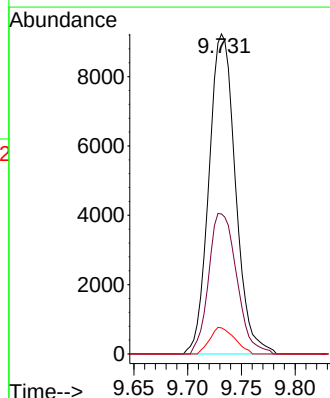
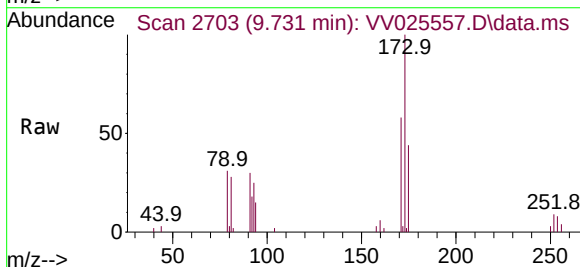
Tgt Ion: 173 Resp: 15849

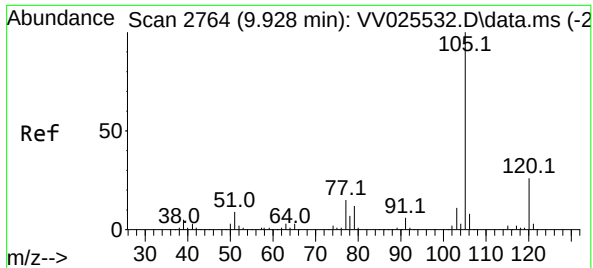
Ion Ratio Lower Upper

173 100

175 46.3 40.8 61.2

254 7.7 7.0 10.6

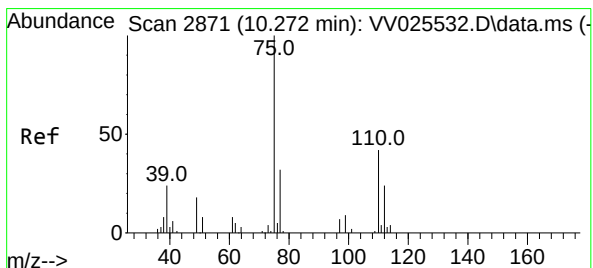
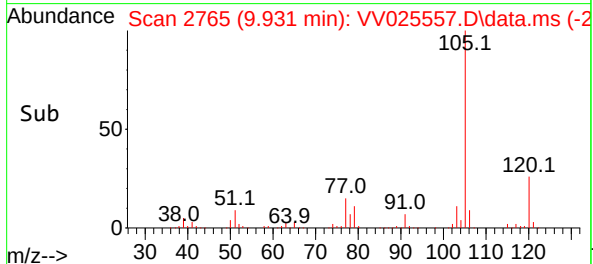
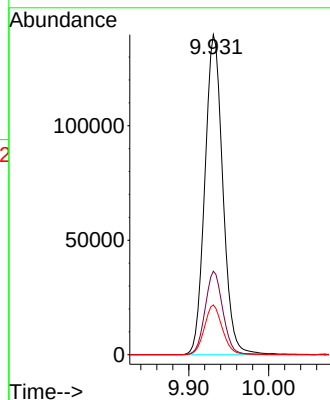
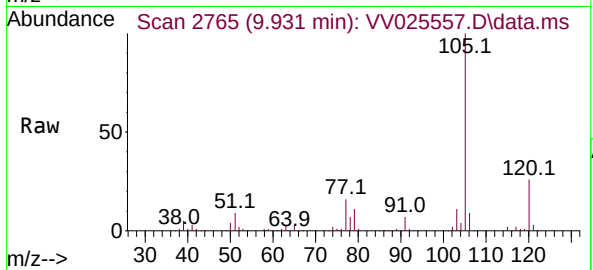




#60  
Isopropylbenzene  
Concen: 5.137 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

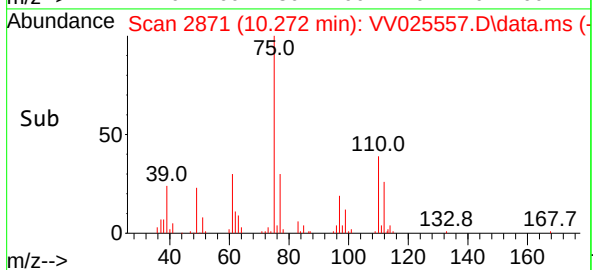
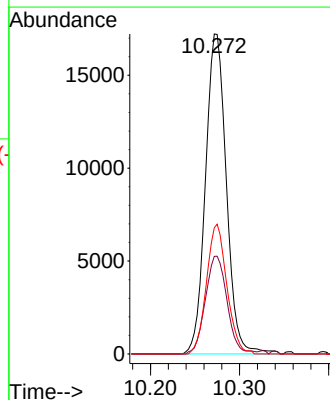
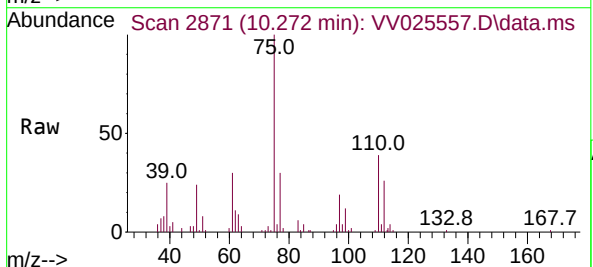
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

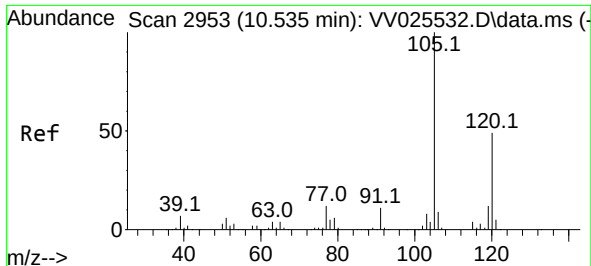
Tgt Ion:105 Resp: 219102  
Ion Ratio Lower Upper  
105 100  
120 25.8 21.2 31.8  
77 15.5 12.2 18.2



#61  
1,2,3-Trichloropropane  
Concen: 6.178 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion: 75 Resp: 28034  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.6 38.4  
110 39.5 34.7 52.1





#62

1,3,5-Trimethylbenzene

Concen: 4.753 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV025557.D

Acq: 14 Apr 2022 19:59

Instrument :

MSVOA\_V

ClientSampleId :

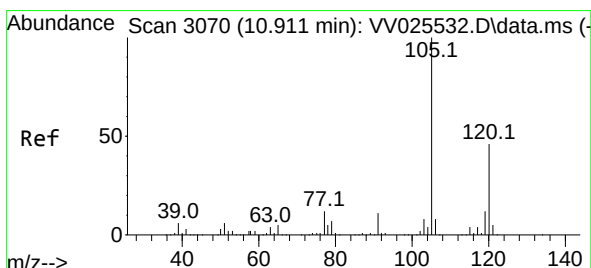
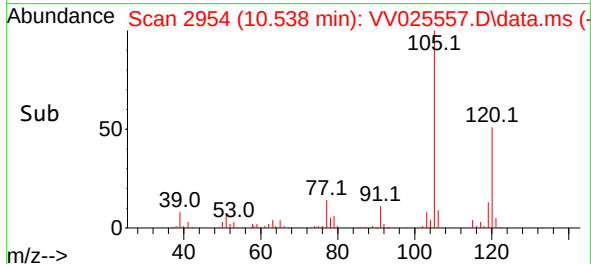
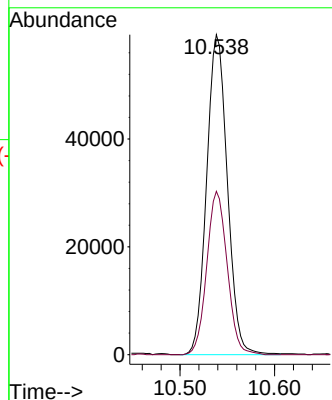
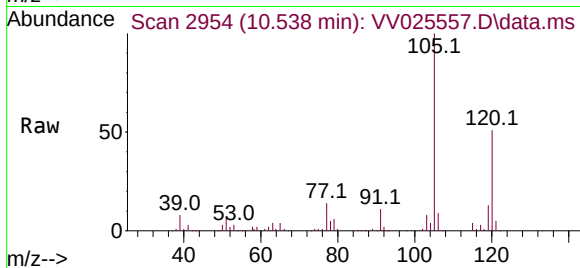
VSTD005378

Tgt Ion:105 Resp: 90387

Ion Ratio Lower Upper

105 100

120 50.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.816 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV025557.D

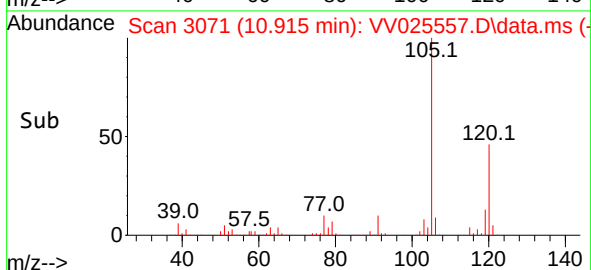
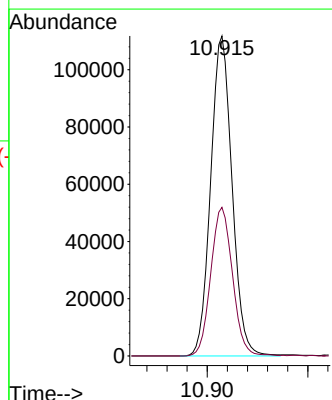
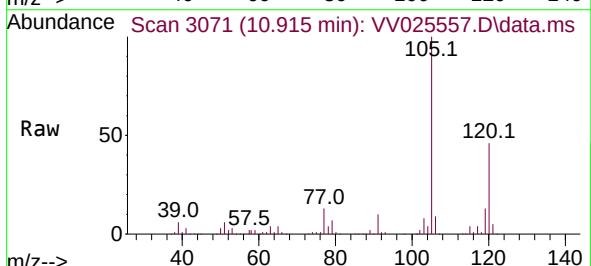
Acq: 14 Apr 2022 19:59

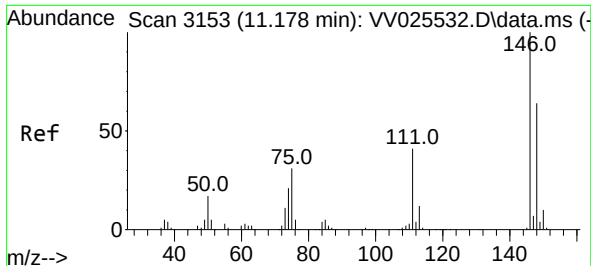
Tgt Ion:105 Resp: 165033

Ion Ratio Lower Upper

105 100

120 47.2 36.6 55.0

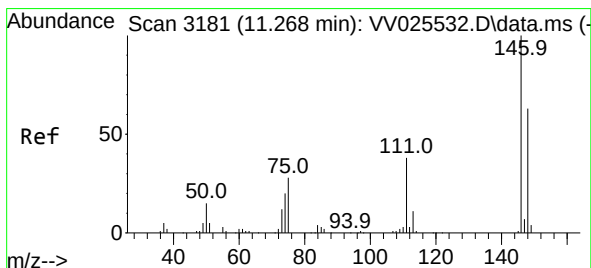
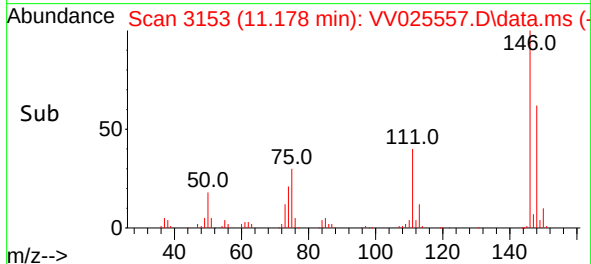
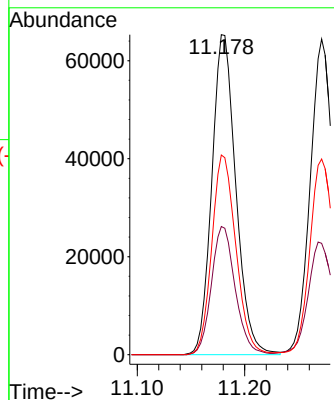
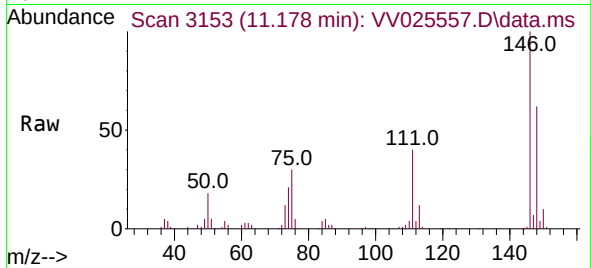




#64  
1,3-Dichlorobenzene  
Concen: 5.095 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

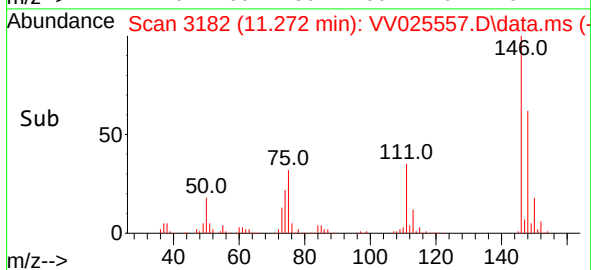
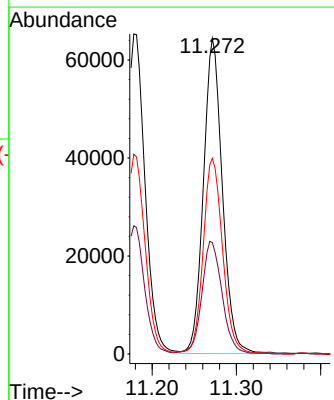
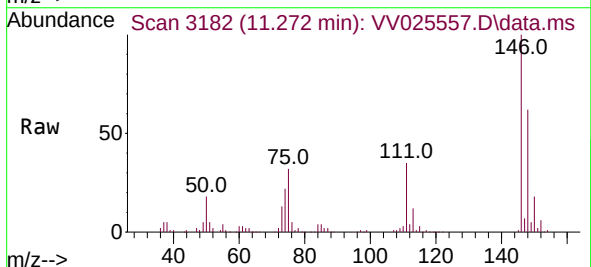
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

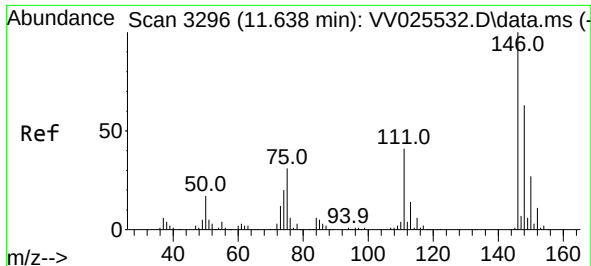
Tgt Ion:146 Resp: 101438  
Ion Ratio Lower Upper  
146 100  
111 40.1 27.4 50.8  
148 62.4 44.7 82.9



#65  
1,4-Dichlorobenzene  
Concen: 4.984 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion:146 Resp: 100712  
Ion Ratio Lower Upper  
146 100  
111 35.3 26.7 49.7  
148 62.0 42.8 79.6

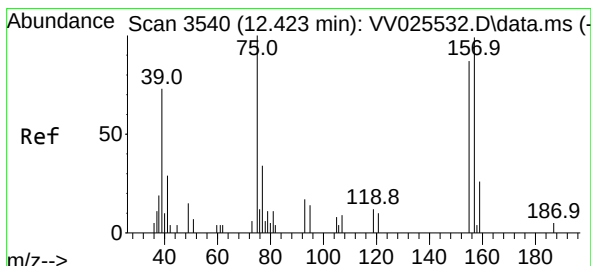
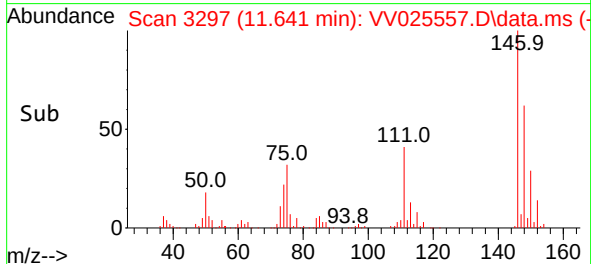
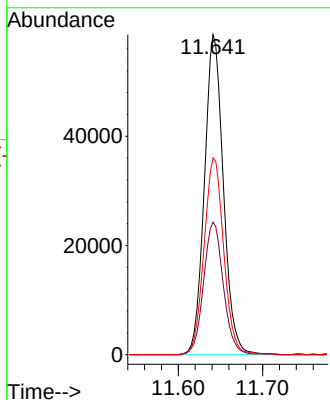
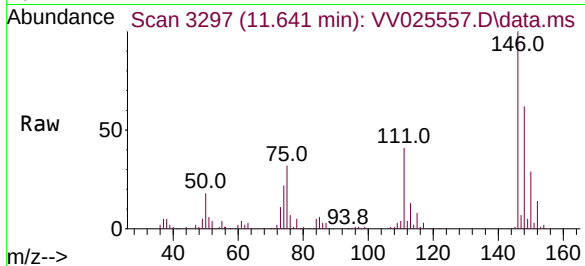




#67  
 1,2-Dichlorobenzene  
 Concen: 5.206 ug/L  
 RT: 11.641 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

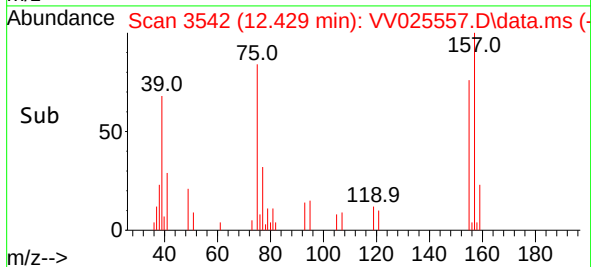
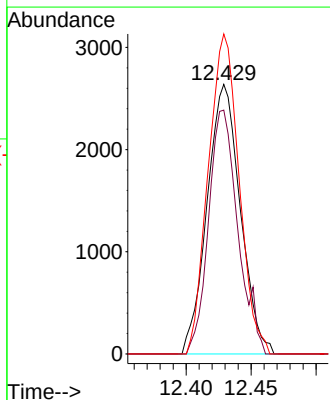
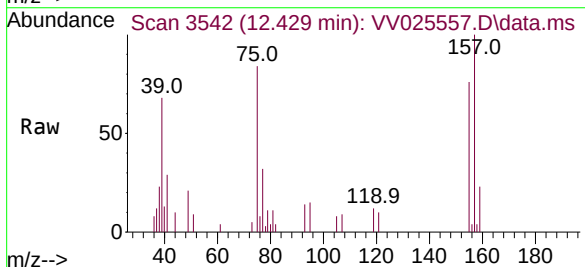
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

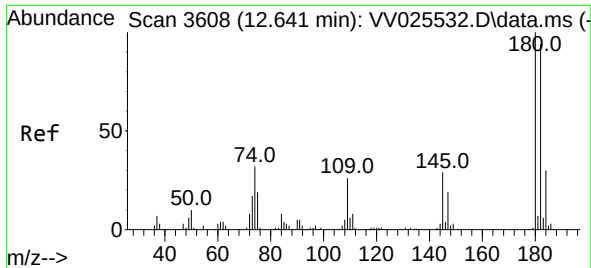
Tgt Ion:146 Resp: 91780  
 Ion Ratio Lower Upper  
 146 100  
 111 41.4 33.6 50.4  
 148 61.6 50.0 75.0



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 5.974 ug/L  
 RT: 12.429 min Scan# 3542  
 Delta R.T. 0.006 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

Tgt Ion: 75 Resp: 4687  
 Ion Ratio Lower Upper  
 75 100  
 155 90.4 65.8 98.8  
 157 118.7 86.6 130.0

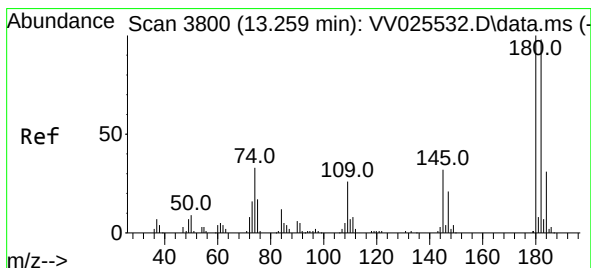
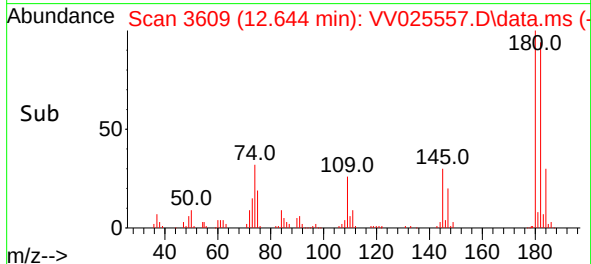
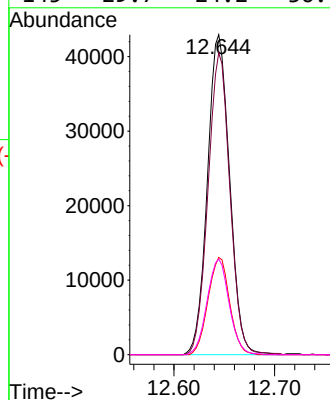
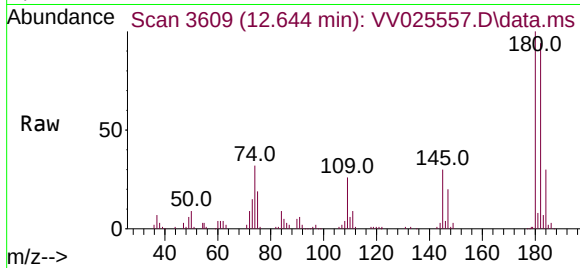




#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.345 ug/L  
 RT: 12.644 min Scan# 3609  
 Delta R.T. 0.003 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

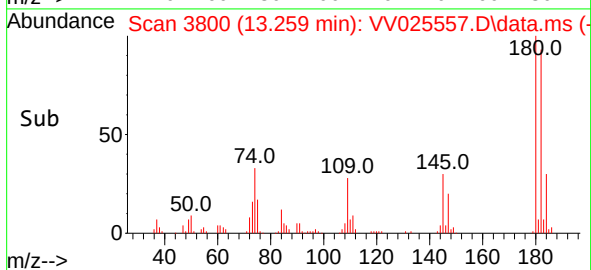
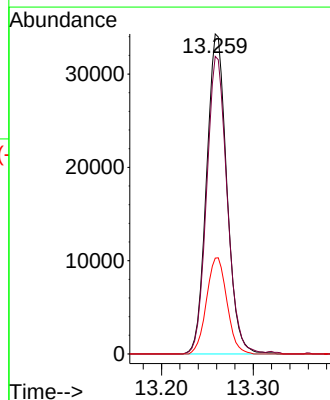
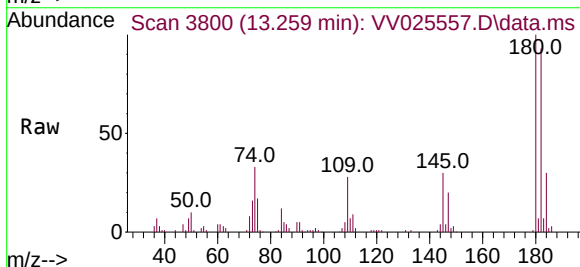
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005378

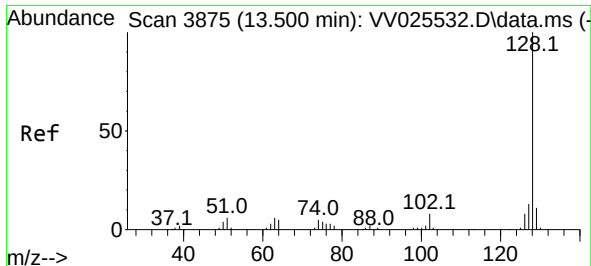
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 65812      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.1  | 75.3 112.9 |
| 184         | 29.5  | 23.4 35.2  |
| 145         | 29.7  | 24.2 36.4  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 4.508 ug/L  
 RT: 13.259 min Scan# 3800  
 Delta R.T. -0.000 min  
 Lab File: VV025557.D  
 Acq: 14 Apr 2022 19:59

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 52639      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.1  | 76.6 114.8 |
| 145         | 30.3  | 24.6 36.8  |

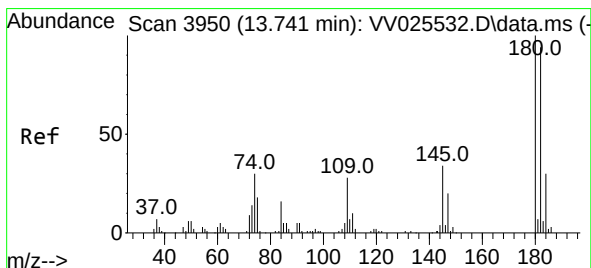
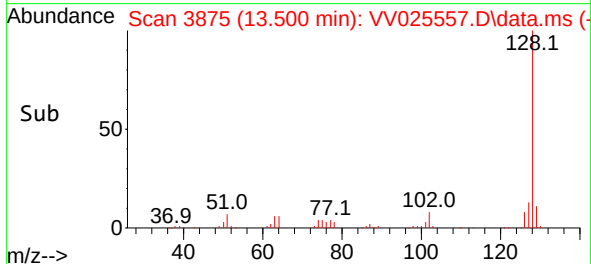
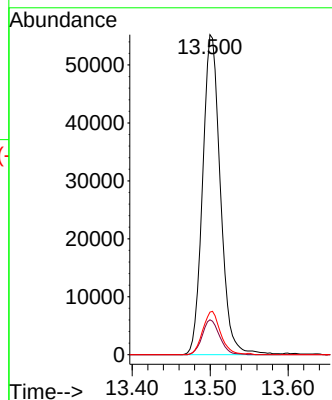
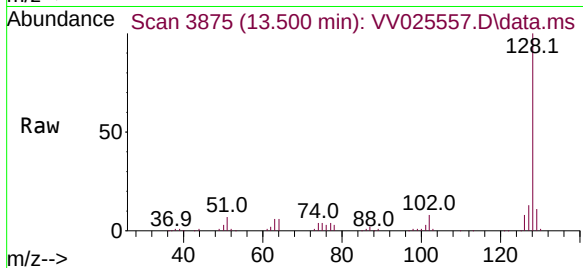




#71  
Naphthalene  
Concen: 5.102 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. -0.000 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005378

Tgt Ion:128 Resp: 87400  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.8 13.2  
127 13.5 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 4.972 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.003 min  
Lab File: VV025557.D  
Acq: 14 Apr 2022 19:59

Tgt Ion:180 Resp: 48071  
Ion Ratio Lower Upper  
180 100  
182 92.0 77.7 116.5  
145 32.8 27.4 41.2

