

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111224\  
 Data File : VV038015.D  
 Acq On : 12 Nov 2024 12:25  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 13 00:00:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 12 23:59:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 291997   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 298880   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 152944   | 5.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65   | 25089    | 0.987 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.529  | 69   | 21479    | 1.037 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 11339    | 1.018 | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.844  | 46   | 27995    | 5.050 | ug/L  | 0.03     |
| 24) Chloroform-d              | 4.246  | 84   | 46372    | 0.968 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65   | 20650    | 0.908 | ug/L  | 0.01     |
| 32) Benzene-d6                | 4.957  | 84   | 84308    | 0.913 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67   | 31311    | 1.048 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.239  | 98   | 75773    | 0.897 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 9016     | 0.809 | ug/L  | 0.02     |
| 46) 2-Hexanone-d5             | 8.030  | 63   | 34855    | 6.892 | ug/L  | 0.01     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84   | 21147    | 0.884 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 29654    | 0.932 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 32488    | 1.020 | ug/L  | 97       |
| 3) Chloromethane              | 1.214  | 50   | 30438    | 1.031 | ug/L  | 97       |
| 5) Vinyl chloride             | 1.278  | 62   | 29107    | 0.982 | ug/L  | 97       |
| 6) Bromomethane               | 1.484  | 94   | 18230    | 0.966 | ug/L  | 98       |
| 8) Chloroethane               | 1.545  | 64   | 18145    | 1.010 | ug/L  | 97       |
| 9) Trichlorofluoromethane     | 1.709  | 101  | 41553    | 1.014 | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101  | 23931    | 1.012 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.063  | 96   | 22925    | 1.033 | ug/L  | 92       |
| 13) Acetone                   | 2.140  | 43   | 41355    | 9.933 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.233  | 76   | 69660    | 0.957 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.397  | 43   | 6781     | 0.795 | ug/L  | 95       |
| 16) Methylene chloride        | 2.442  | 84   | 25635    | 0.975 | ug/L  | 96       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73   | 49372    | 0.913 | ug/L  | 98       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96   | 23372    | 0.973 | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 43691    | 1.012 | ug/L  | 94       |
| 21) 2-Butanone                | 3.915  | 43   | 31716    | 6.146 | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96   | 23618    | 0.936 | ug/L  | 97       |
| 23) Bromochloromethane        | 4.149  | 128  | 10998    | 0.949 | ug/L  | 95       |
| 25) Chloroform                | 4.275  | 83   | 45413    | 0.997 | ug/L  | 95       |
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 23274    | 0.908 | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 40392    | 1.001 | ug/L  | 97       |
| 30) Cyclohexane               | 4.571  | 56   | 31913    | 0.893 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 33760    | 0.961 | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 92479    | 0.973 | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 24420    | 0.940 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 35003    | 0.892 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 21538    | 0.916 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 30014    | 0.961 | ug/L  | 92       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 28979    | 0.827 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 102341   | 8.004 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 92320    | 0.930 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 22892    | 0.783 | ug/L  | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111224\  
 Data File : VV038015.D  
 Acq On : 12 Nov 2024 12:25  
 Operator : SY/MD  
 Sample : VSTD001  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

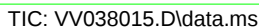
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 12 23:59:24 2024  
 Response via : Initial Calibration

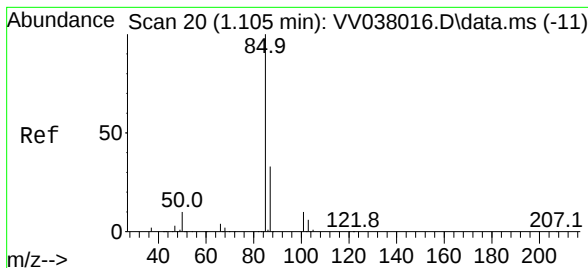
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 18303    | 0.970 | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.899  | 164  | 20659    | 1.013 | ug/L  | 95       |
| 48) 2-Hexanone                | 8.079  | 43   | 67212    | 7.653 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.172  | 129  | 17804    | 0.876 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 16612    | 0.928 | ug/L  | 95       |
| 51) Chlorobenzene             | 8.812  | 112  | 64424    | 0.952 | ug/L  | 97       |
| 52) Ethylbenzene              | 8.943  | 91   | 98132    | 0.910 | ug/L  | 97       |
| 53) m,p-Xylene                | 9.069  | 106  | 34263    | 0.843 | ug/L  | 95       |
| 54) o-Xylene                  | 9.474  | 106  | 34251    | 0.870 | ug/L  | 97       |
| 55) Styrene                   | 9.497  | 104  | 55873    | 0.815 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 20586    | 0.914 | ug/L  | 98       |
| 59) Bromoform                 | 9.661  | 173  | 8651     | 0.860 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.860  | 105  | 91558    | 0.897 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 13782    | 0.922 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 69199    | 0.847 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 68660    | 0.839 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 50401    | 0.958 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 52711    | 0.974 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 47223    | 0.960 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 3177     | 0.938 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 36964    | 0.955 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 31676    | 0.922 | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 52244    | 0.835 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 29615    | 0.913 | ug/L  | 96       |
| -----                         |        |      |          |       |       |          |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**

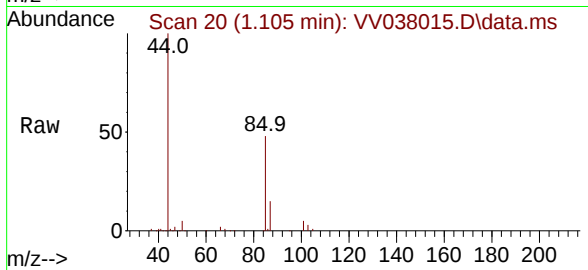
**Instrument :**  
MSVOA\_V  
**ClientSampleId :**



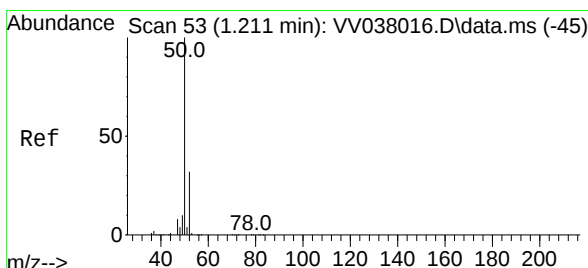
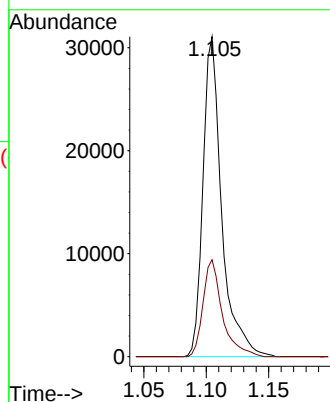
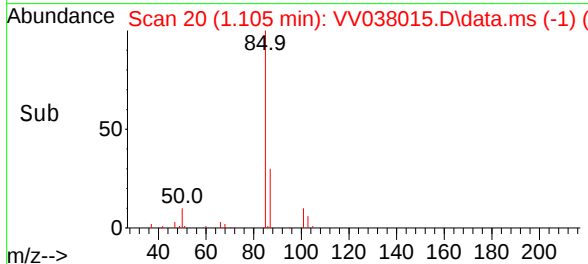


#2  
 Dichlorodifluoromethane  
 Concen: 1.020 ug/L  
 RT: 1.105 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

Instrument :  
 MSVOA\_V  
 ClientSampleId :

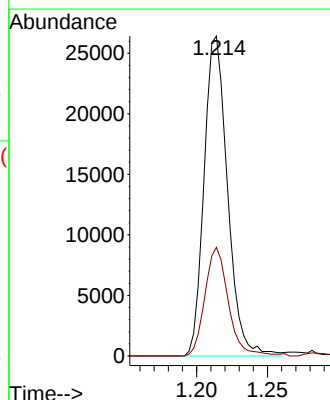
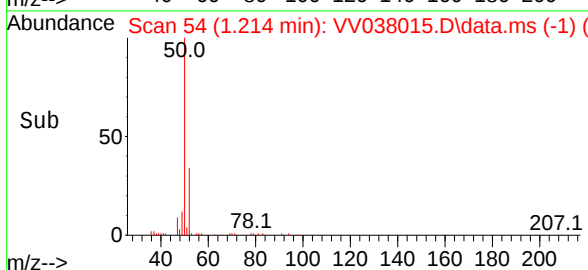
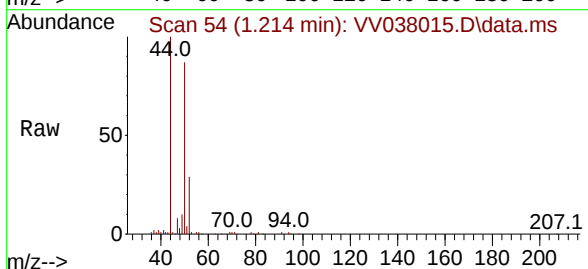


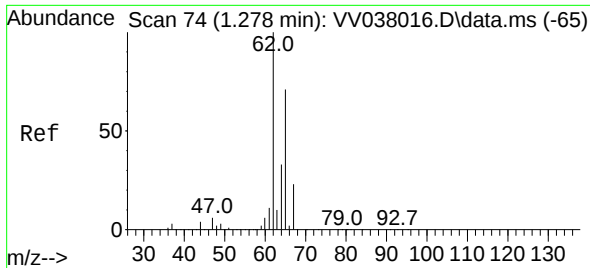
Tgt Ion: 85 Resp: 32488  
 Ion Ratio Lower Upper  
 85 100  
 87 31.3 26.4 39.6



#3  
 Chloromethane  
 Concen: 1.031 ug/L  
 RT: 1.214 min Scan# 54  
 Delta R.T. 0.003 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

Tgt Ion: 50 Resp: 30438  
 Ion Ratio Lower Upper  
 50 100  
 52 33.9 22.6 42.0

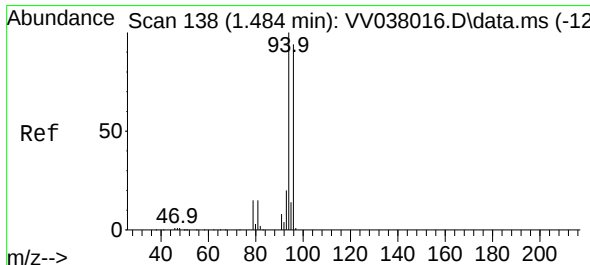
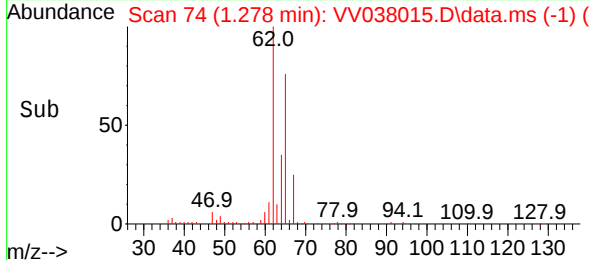
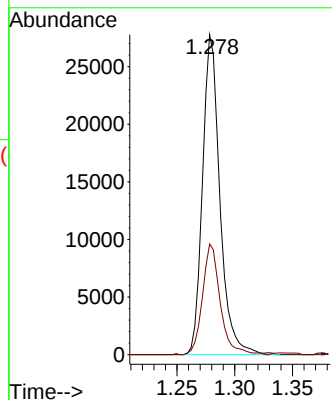
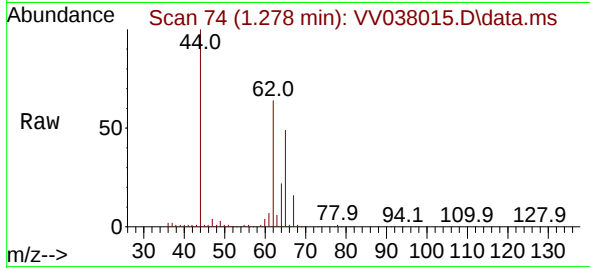




#5  
 Vinyl chloride  
 Concen: 0.982 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

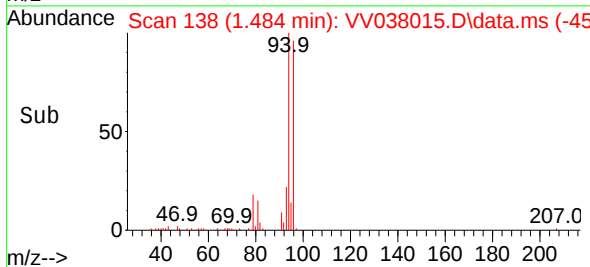
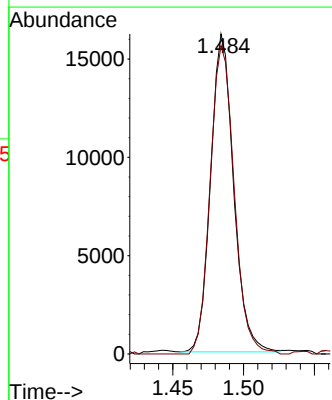
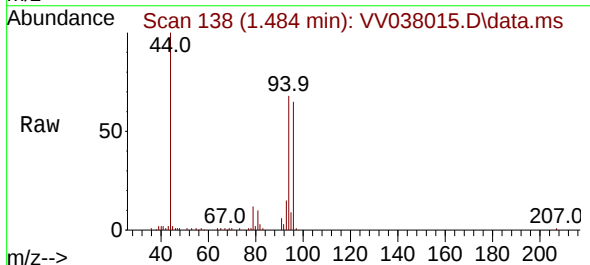
Instrument :  
 MSVOA\_V  
 ClientSampleId :

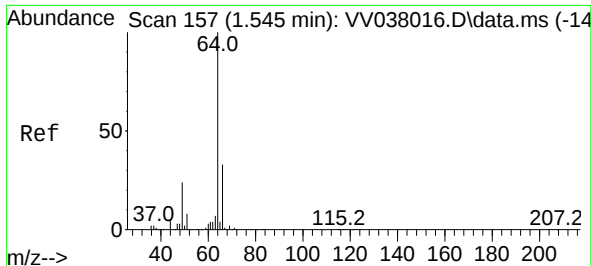
Tgt Ion: 62 Resp: 29107  
 Ion Ratio Lower Upper  
 62 100  
 64 34.6 23.0 42.6



#6  
 Bromomethane  
 Concen: 0.966 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. -0.000 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

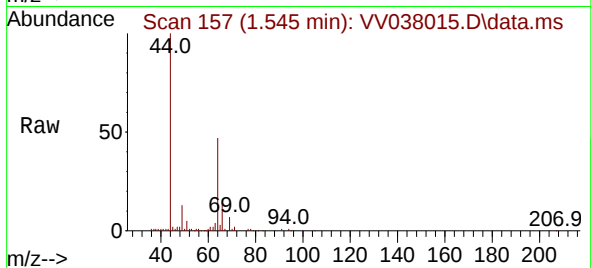
Tgt Ion: 94 Resp: 18230  
 Ion Ratio Lower Upper  
 94 100  
 96 96.3 66.0 122.6



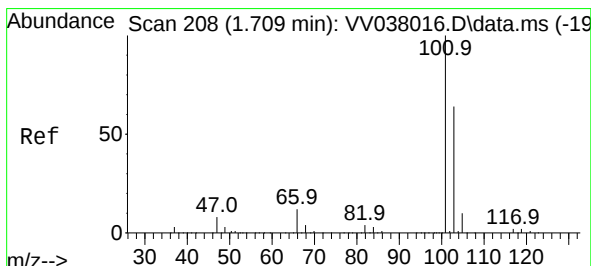
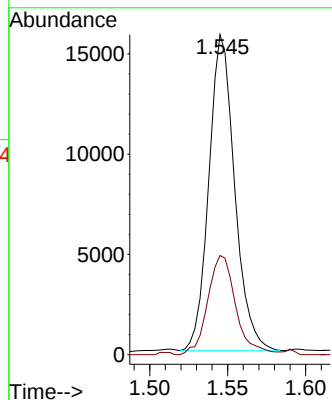
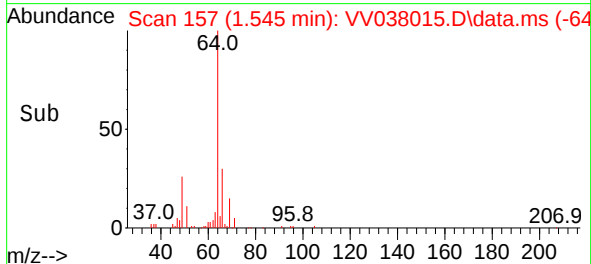


#8  
Chloroethane  
Concen: 1.010 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Instrument :  
MSVOA\_V  
ClientSampleId :

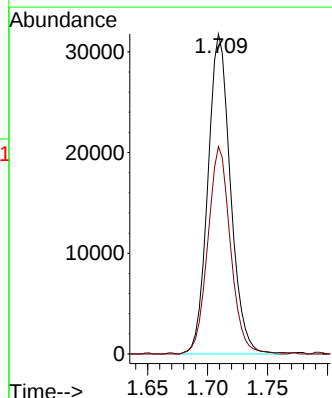
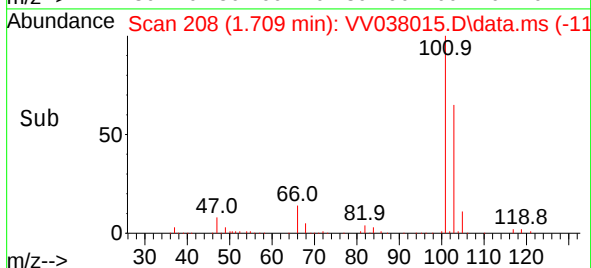
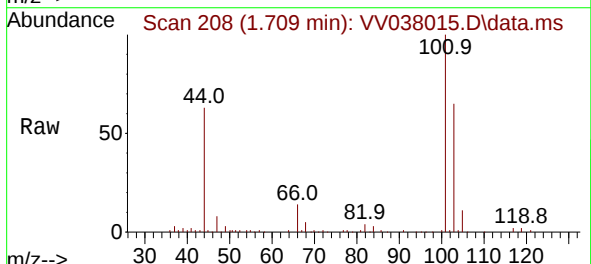


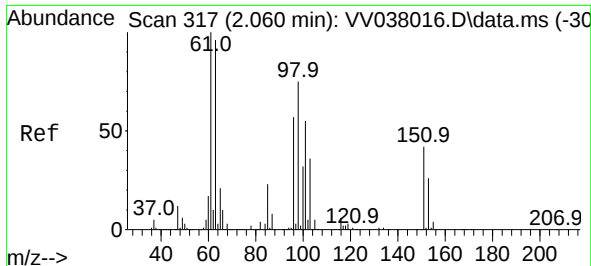
Tgt Ion: 64 Resp: 18145  
Ion Ratio Lower Upper  
64 100  
66 31.0 23.1 42.9



#9  
Trichlorofluoromethane  
Concen: 1.014 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.000 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion:101 Resp: 41553  
Ion Ratio Lower Upper  
101 100  
103 65.1 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.012 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

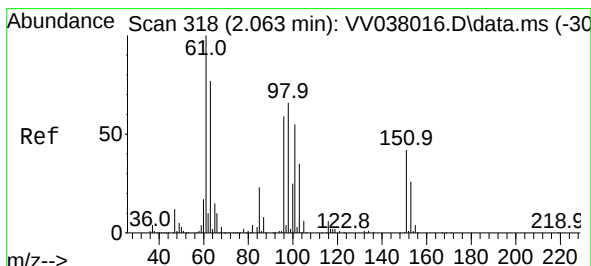
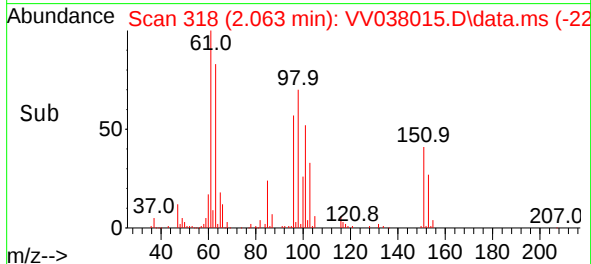
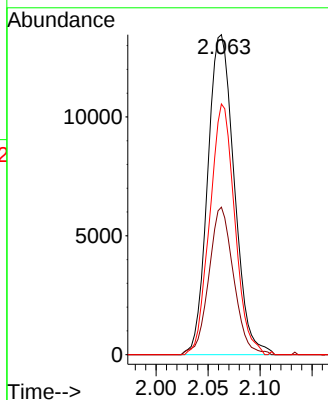
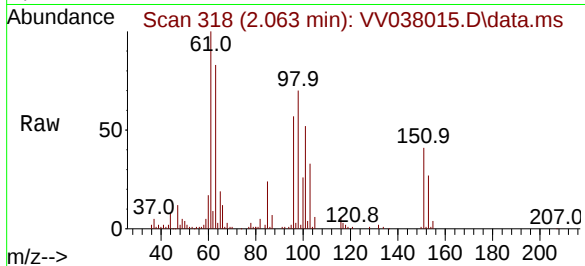
Tgt Ion:101 Resp: 23931

Ion Ratio Lower Upper

101 100

85 42.9 33.7 50.5

151 73.9 59.0 88.6



#12

1,1-Dichloroethene

Concen: 1.033 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

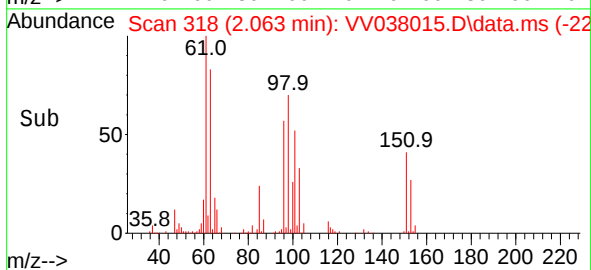
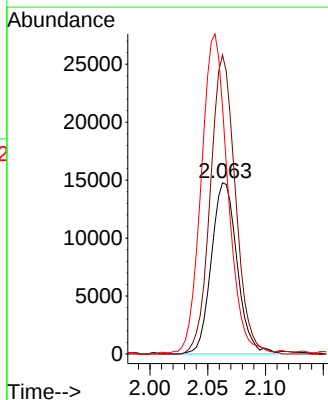
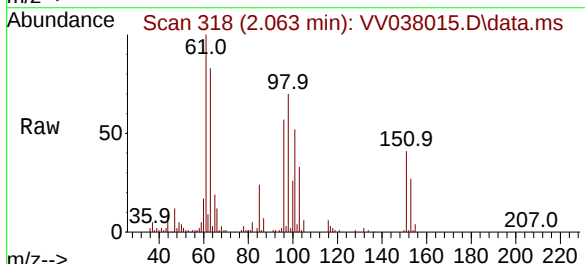
Tgt Ion: 96 Resp: 22925

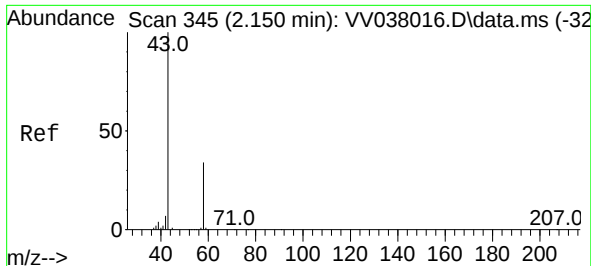
Ion Ratio Lower Upper

96 100

61 174.8 118.1 219.3

63 144.7 91.4 169.8





#13

Acetone

Concen: 9.933 ug/L

RT: 2.140 min Scan# 345

Delta R.T. -0.010 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

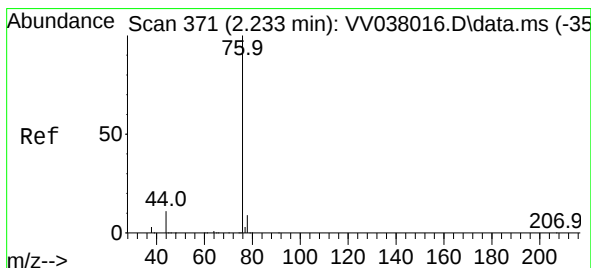
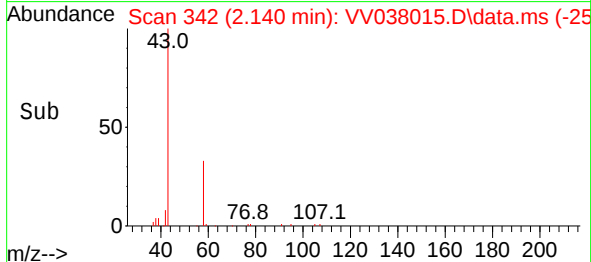
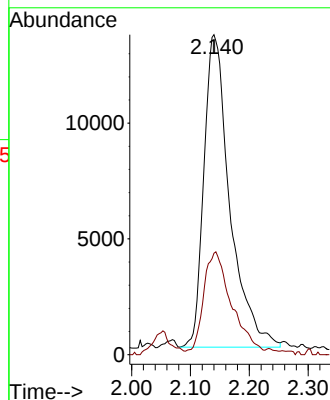
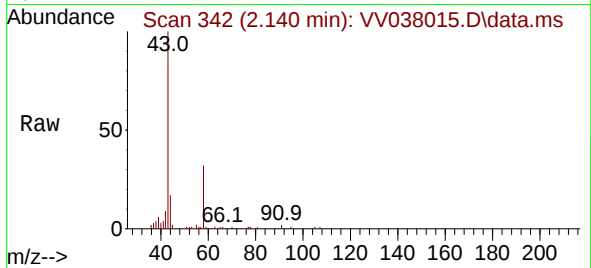
ClientSampleId :

Tgt Ion: 43 Resp: 41355

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.0



#14

Carbon disulfide

Concen: 0.957 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV038015.D

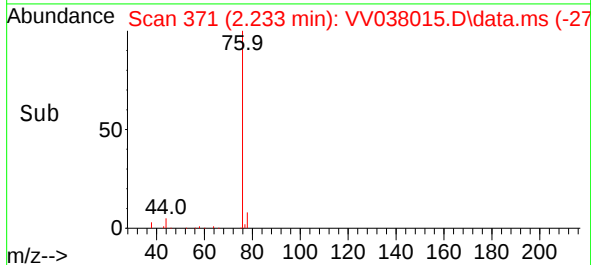
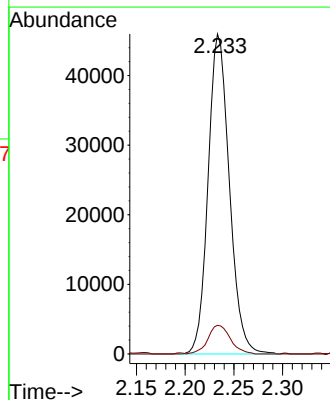
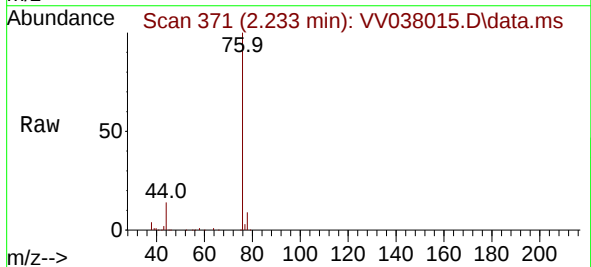
Acq: 12 Nov 2024 12:25

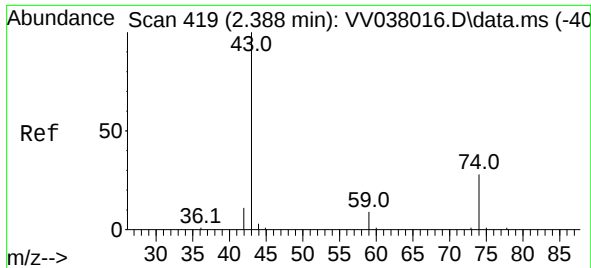
Tgt Ion: 76 Resp: 69660

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

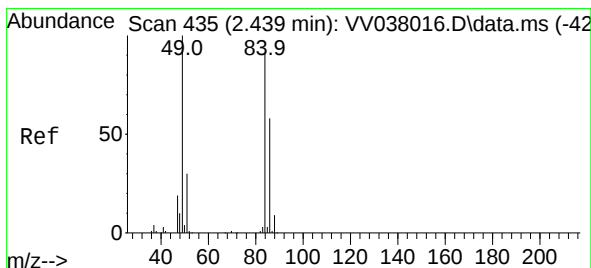
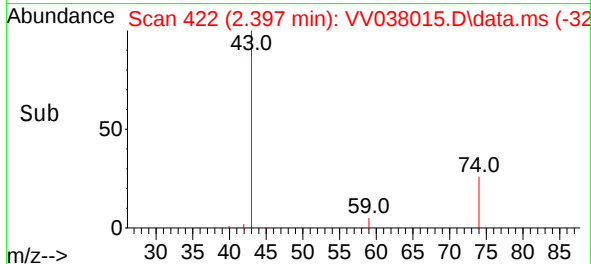
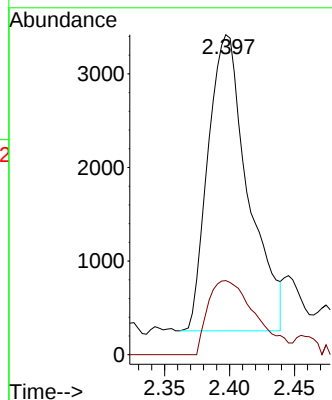
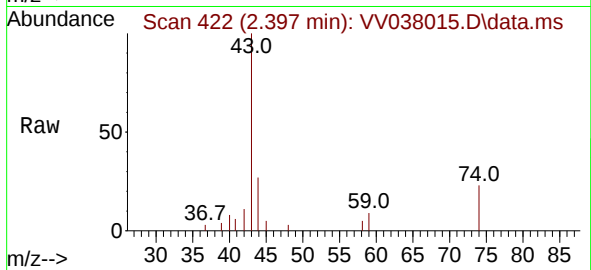




#15  
Methyl Acetate  
Concen: 0.795 ug/L  
RT: 2.397 min Scan# 419  
Delta R.T. 0.009 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

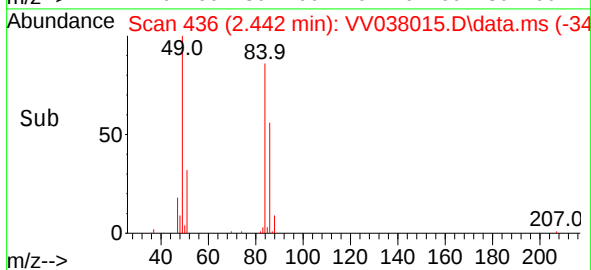
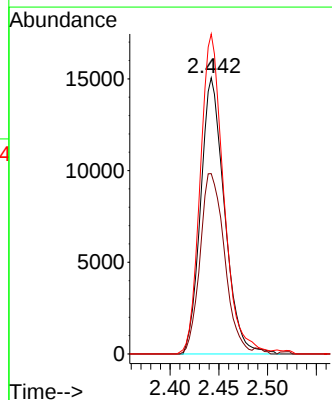
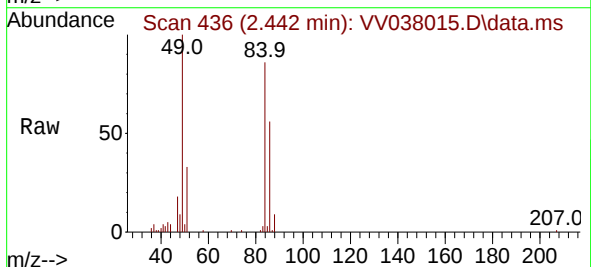
Instrument :  
MSVOA\_V  
ClientSampleId :

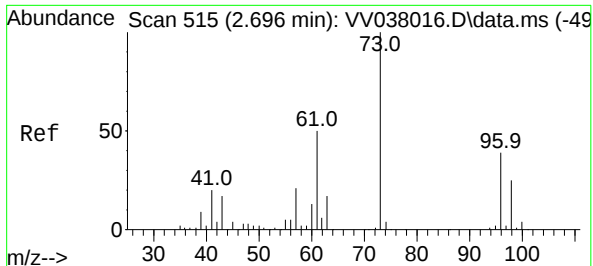
Tgt Ion: 43 Resp: 6781  
Ion Ratio Lower Upper  
43 100  
74 29.8 21.7 32.5



#16  
Methylene chloride  
Concen: 0.975 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 84 Resp: 25635  
Ion Ratio Lower Upper  
84 100  
86 65.3 44.4 82.5  
49 115.9 77.1 143.3

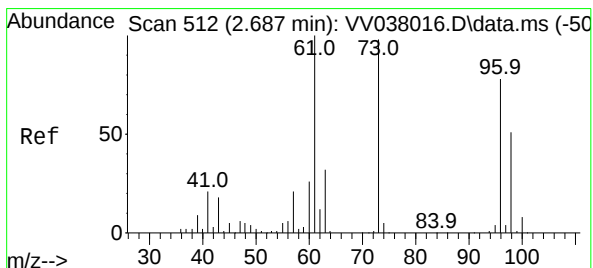
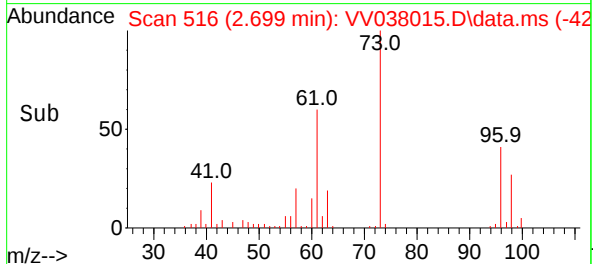
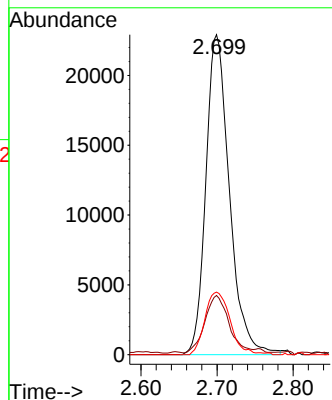
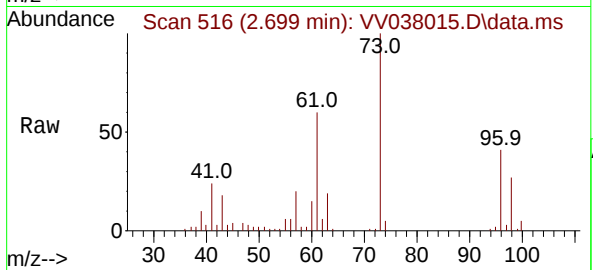




#17  
Methyl tert-butyl Ether  
Concen: 0.913 ug/L  
RT: 2.699 min Scan# 515  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

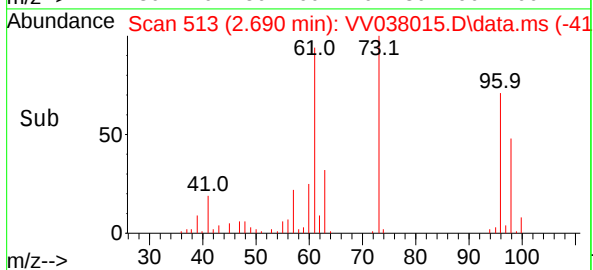
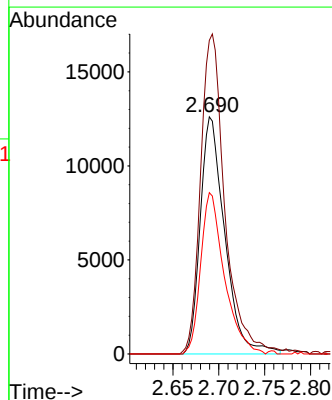
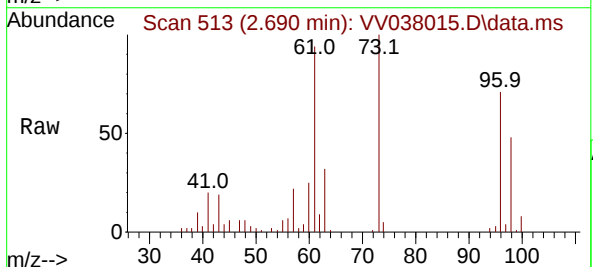
Instrument :  
MSVOA\_V  
ClientSampleId :

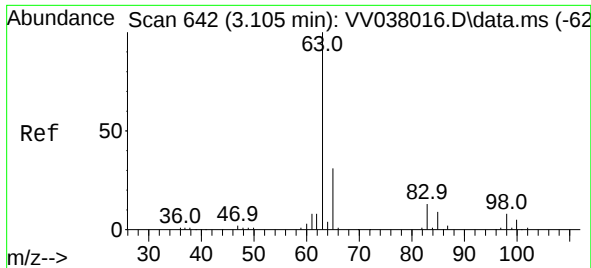
Tgt Ion: 73 Resp: 49372  
Ion Ratio Lower Upper  
73 100  
43 18.5 14.1 21.1  
57 21.0 17.2 25.8



#18  
trans-1,2-Dichloroethene  
Concen: 0.973 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 96 Resp: 23372  
Ion Ratio Lower Upper  
96 100  
61 132.3 90.2 167.6  
98 68.0 45.7 84.9

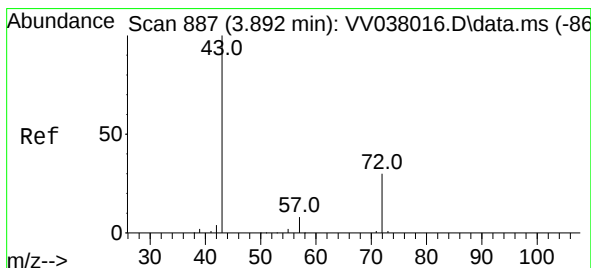
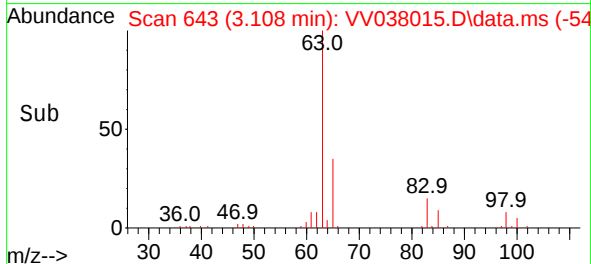
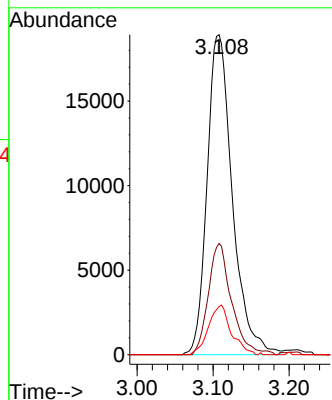
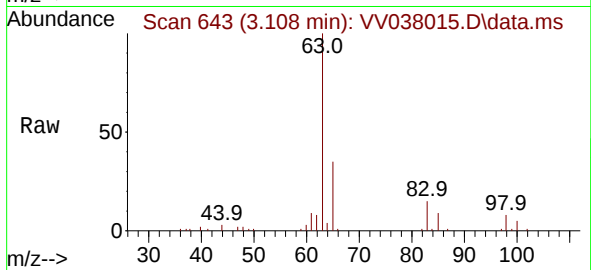




#19  
1,1-Dichloroethane  
Concen: 1.012 ug/L  
RT: 3.108 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

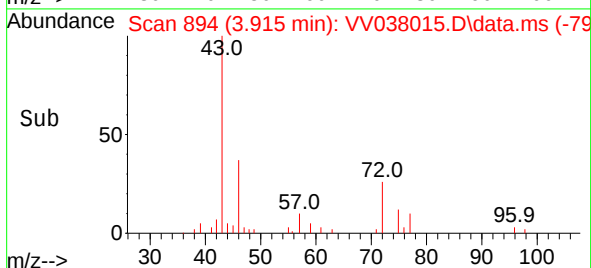
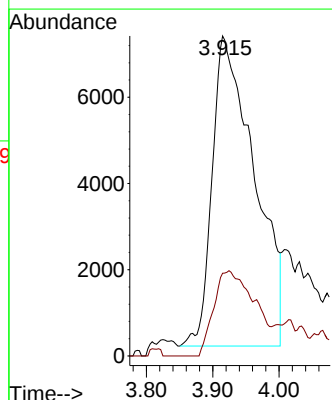
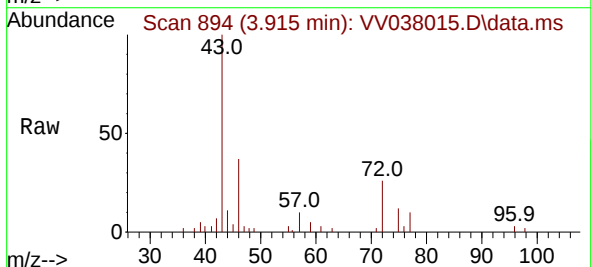
Instrument :  
MSVOA\_V  
ClientSampleId :

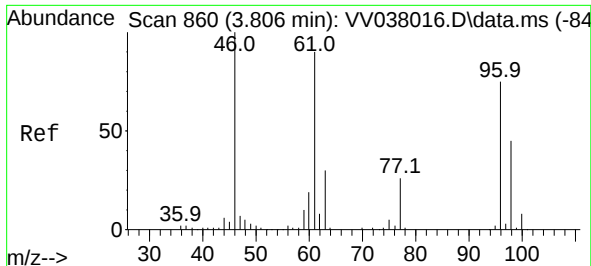
Tgt Ion: 63 Resp: 43691  
Ion Ratio Lower Upper  
63 100  
65 34.7 22.0 40.8  
83 15.1 9.2 17.2



#21  
2-Butanone  
Concen: 6.146 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.022 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 43 Resp: 31716  
Ion Ratio Lower Upper  
43 100  
72 26.7 14.2 42.6

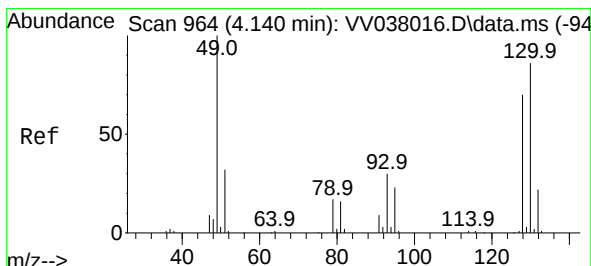
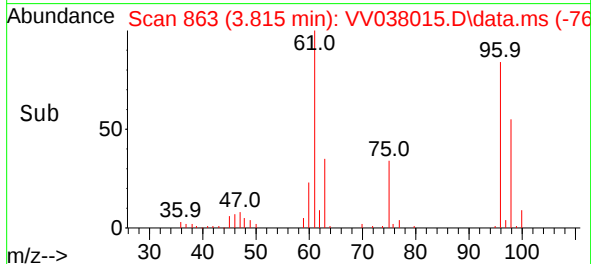
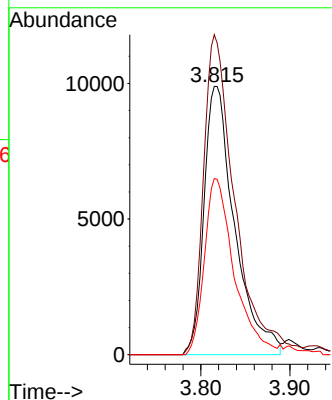
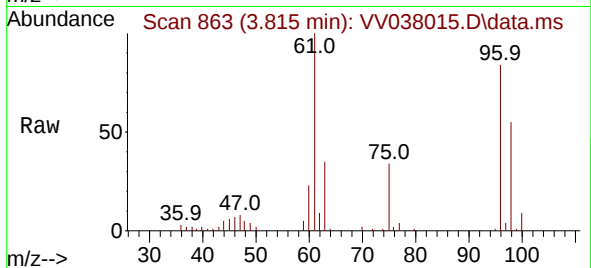




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.936 ug/L  
 RT: 3.815 min Scan# 863  
 Delta R.T. 0.009 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

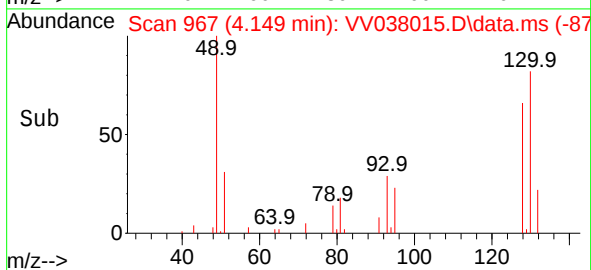
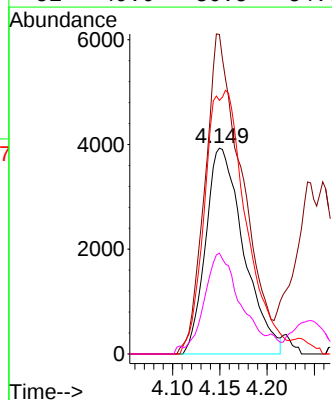
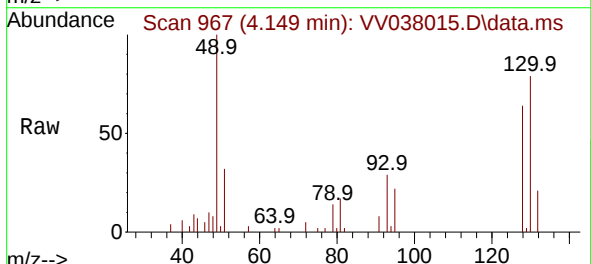
Instrument :  
 MSVOA\_V  
 ClientSampleId :

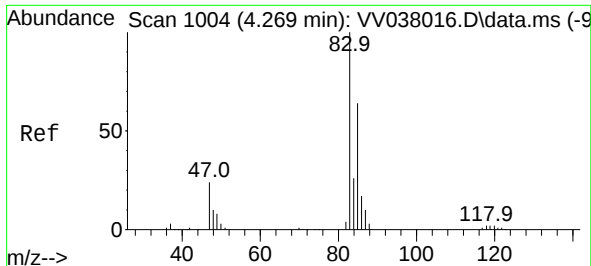
Tgt Ion: 96 Resp: 23618  
 Ion Ratio Lower Upper  
 96 100  
 61 119.3 84.1 156.3  
 98 65.7 42.6 79.0



#23  
 Bromochloromethane  
 Concen: 0.949 ug/L  
 RT: 4.149 min Scan# 967  
 Delta R.T. 0.009 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

Tgt Ion:128 Resp: 10998  
 Ion Ratio Lower Upper  
 128 100  
 49 155.2 100.4 186.4  
 130 123.2 86.1 159.9  
 51 49.0 36.5 54.7





#25

Chloroform

Concen: 0.997 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

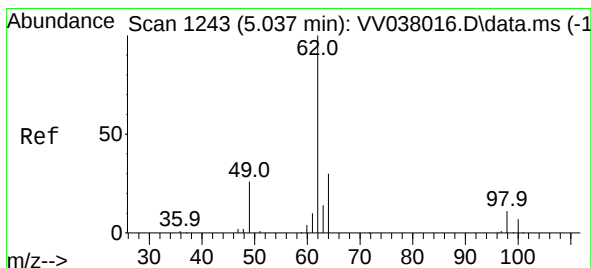
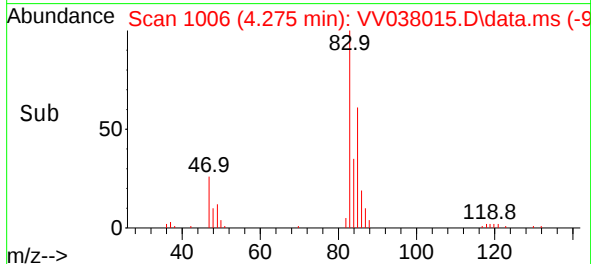
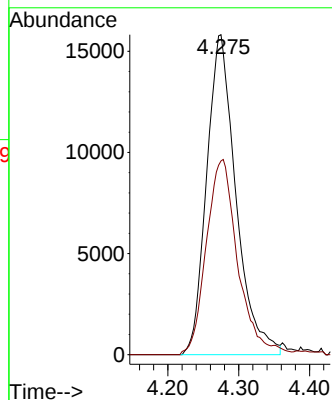
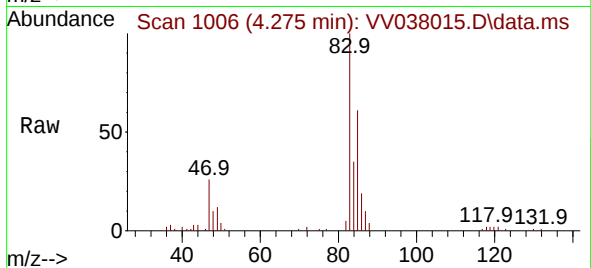
ClientSampleId :

Tgt Ion: 83 Resp: 45413

Ion Ratio Lower Upper

83 100

85 60.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 0.908 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.009 min

Lab File: VV038015.D

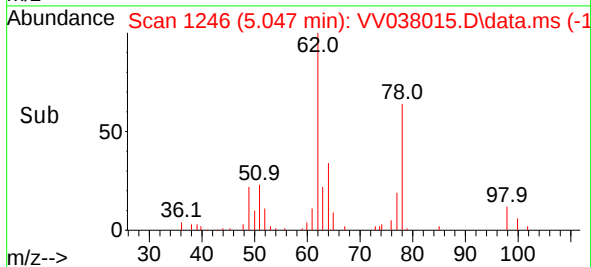
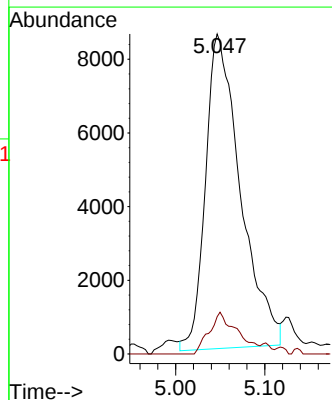
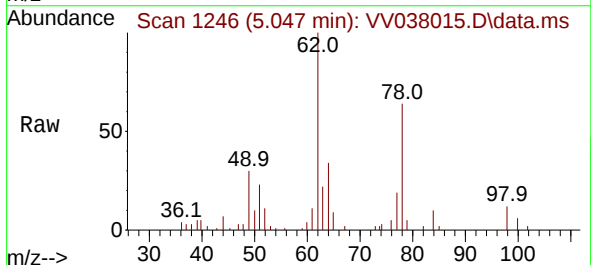
Acq: 12 Nov 2024 12:25

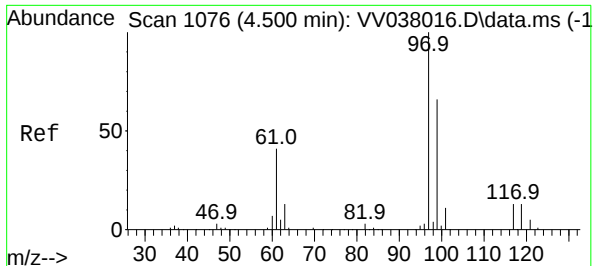
Tgt Ion: 62 Resp: 23274

Ion Ratio Lower Upper

62 100

98 11.6 8.3 12.5

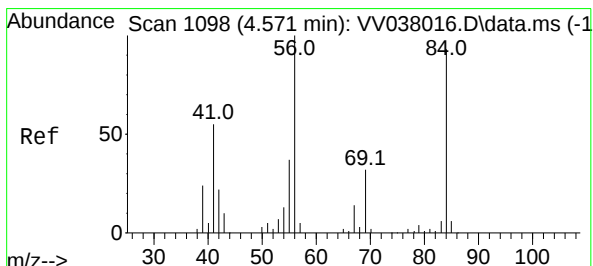
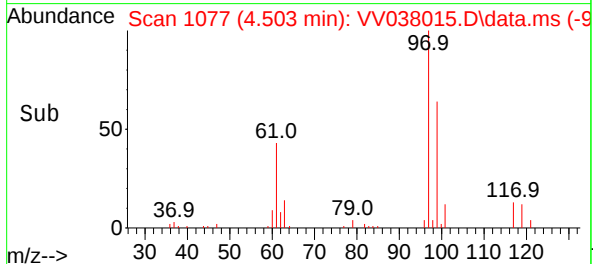
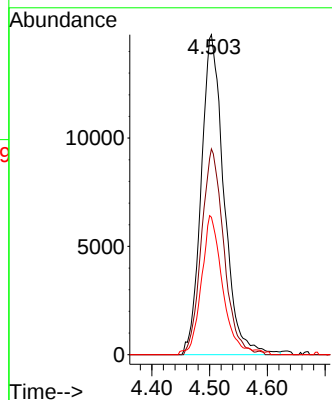
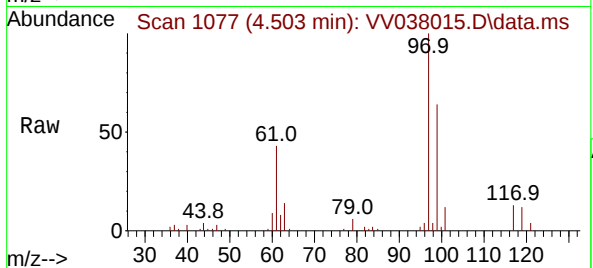




#29  
1,1,1-Trichloroethane  
Concen: 1.001 ug/L  
RT: 4.503 min Scan# 1076  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

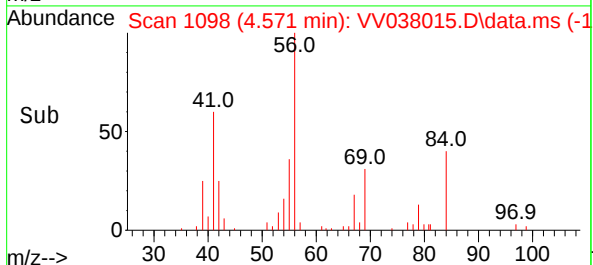
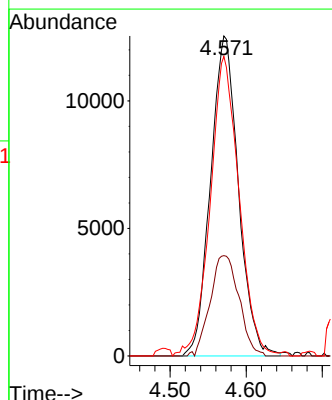
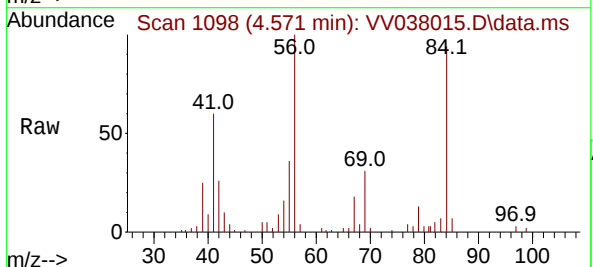
Instrument :  
MSVOA\_V  
ClientSampleId :

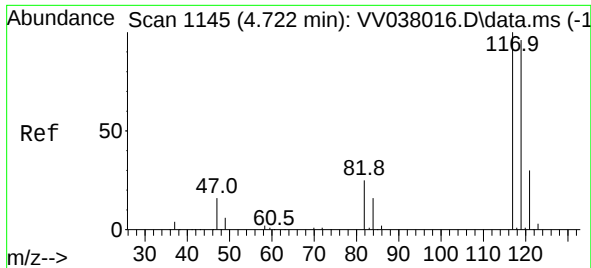
Tgt Ion: 97 Resp: 40392  
Ion Ratio Lower Upper  
97 100  
99 63.2 52.3 78.5  
61 40.4 33.6 50.4



#30  
Cyclohexane  
Concen: 0.893 ug/L  
RT: 4.571 min Scan# 1098  
Delta R.T. -0.000 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 56 Resp: 31913  
Ion Ratio Lower Upper  
56 100  
69 32.4 25.4 38.2  
84 96.4 75.7 113.5

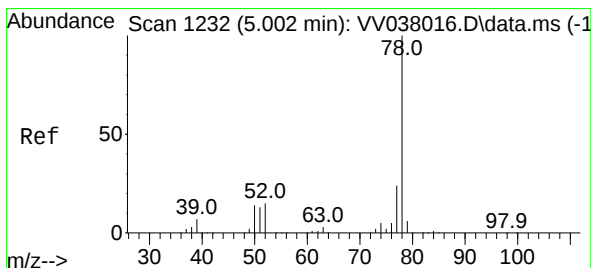
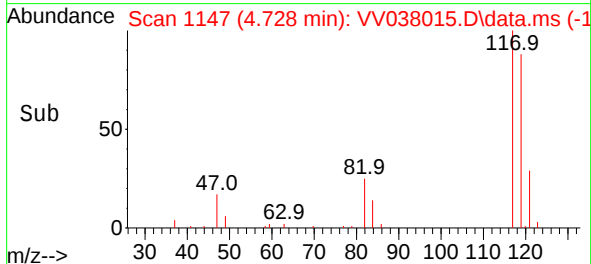
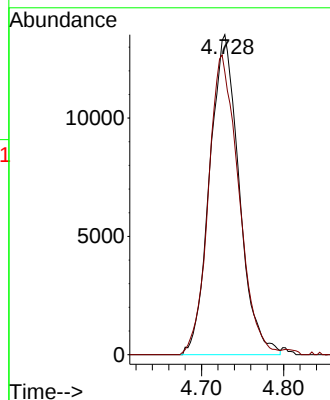
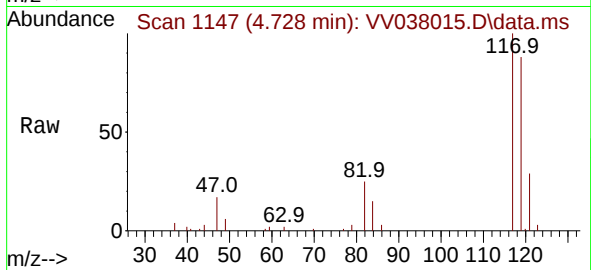




#31  
Carbon tetrachloride  
Concen: 0.961 ug/L  
RT: 4.728 min Scan# 1145  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

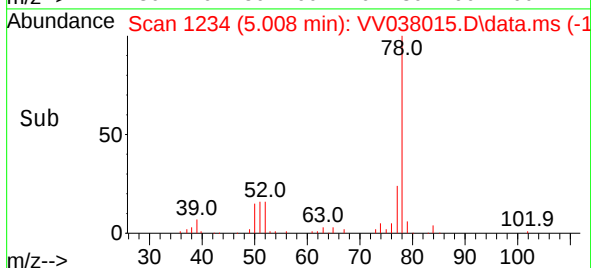
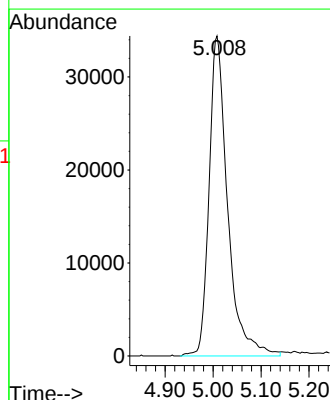
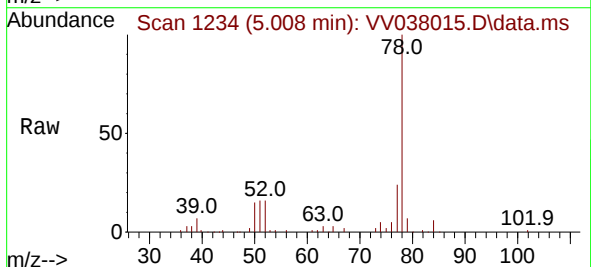
Instrument :  
MSVOA\_V  
ClientSampleId :

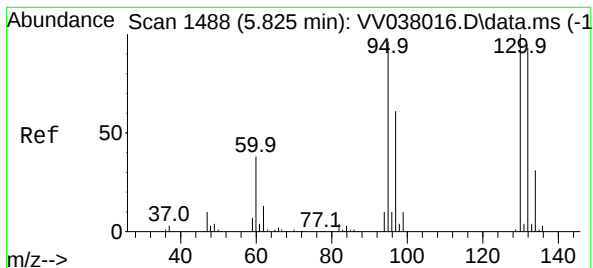
Tgt Ion:117 Resp: 33760  
Ion Ratio Lower Upper  
117 100  
119 96.5 76.6 115.0



#33  
Benzene  
Concen: 0.973 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 78 Resp: 92479





#34

Trichloroethene

Concen: 0.940 ug/L

RT: 5.834 min Scan# 1488

Delta R.T. 0.009 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 24420

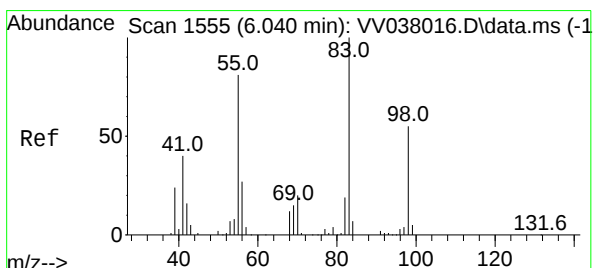
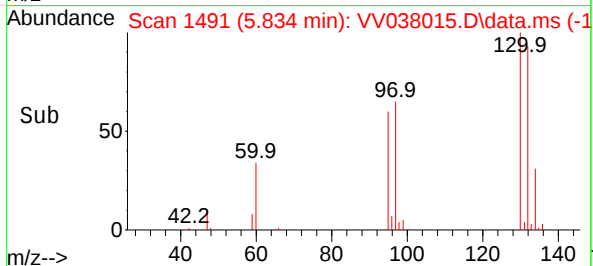
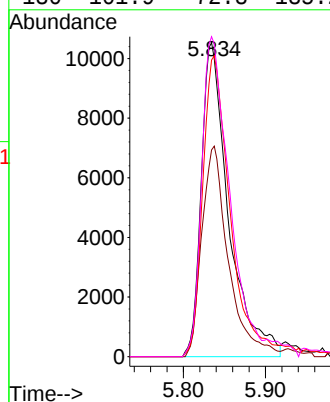
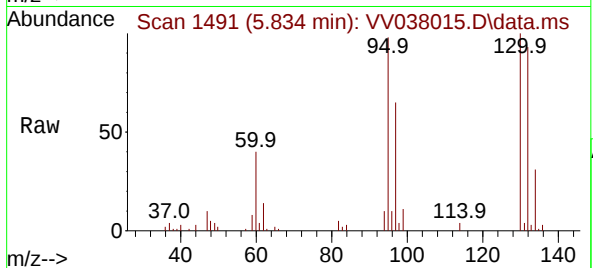
Ion Ratio Lower Upper

95 100

97 65.8 44.5 82.7

132 94.4 67.9 126.1

130 101.9 72.8 135.2



#35

Methylcyclohexane

Concen: 0.892 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

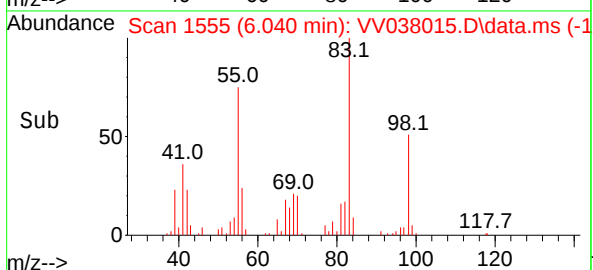
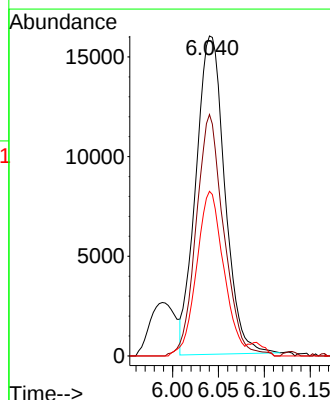
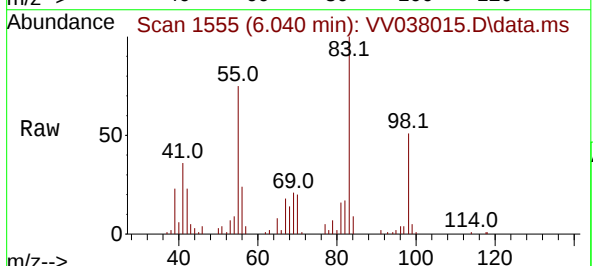
Tgt Ion: 83 Resp: 35003

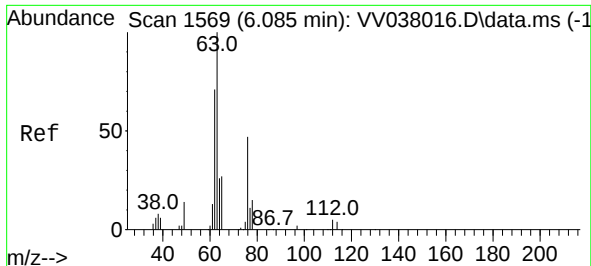
Ion Ratio Lower Upper

83 100

55 72.3 58.8 88.2

98 48.5 40.2 60.2

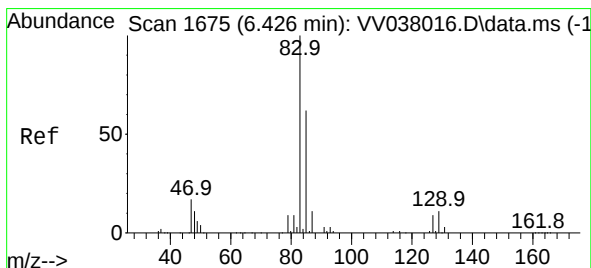
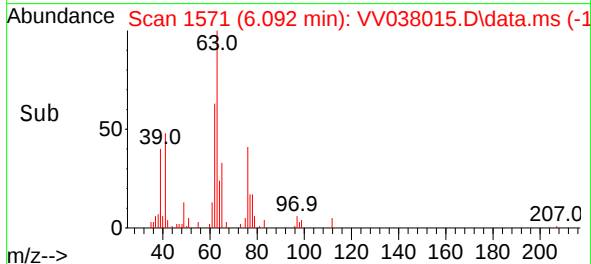
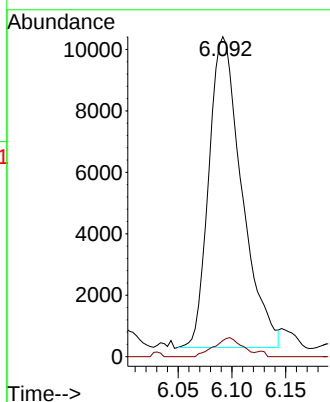
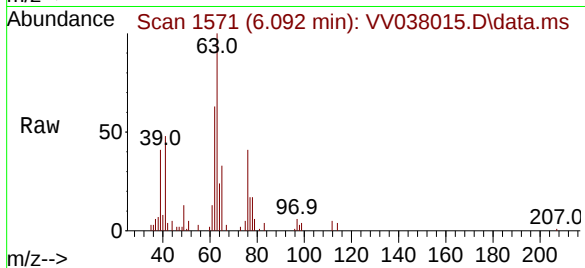




#37  
1,2-Dichloropropane  
Concen: 0.916 ug/L  
RT: 6.092 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

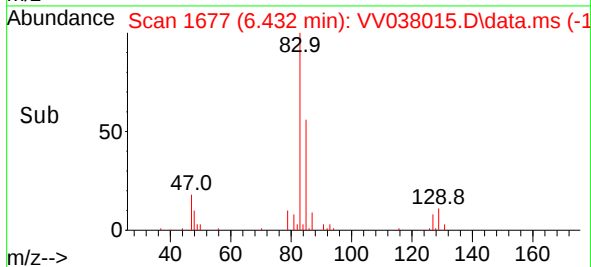
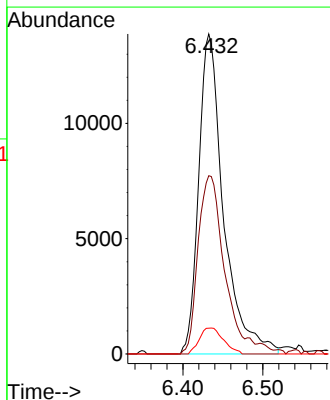
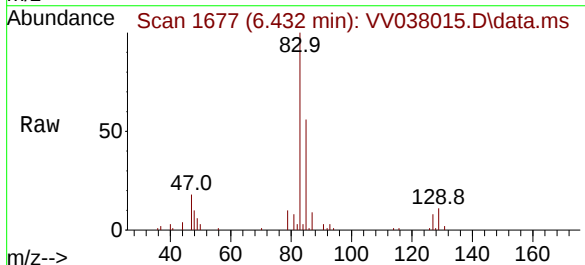
Instrument :  
MSVOA\_V  
ClientSampleId :

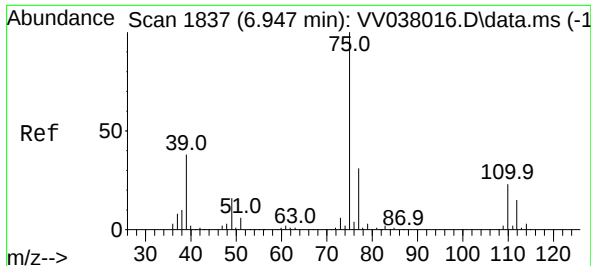
Tgt Ion: 63 Resp: 21538  
Ion Ratio Lower Upper  
63 100  
112 5.1 4.1 6.1



#38  
Bromodichloromethane  
Concen: 0.961 ug/L  
RT: 6.432 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 83 Resp: 30014  
Ion Ratio Lower Upper  
83 100  
85 55.7 43.6 81.0  
127 8.0 7.0 10.6

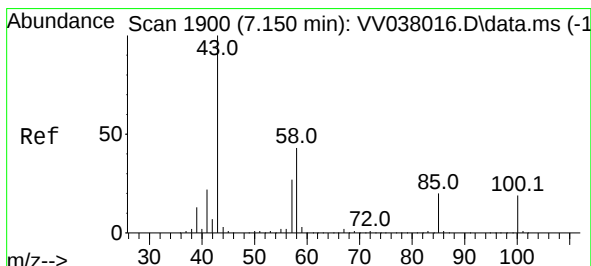
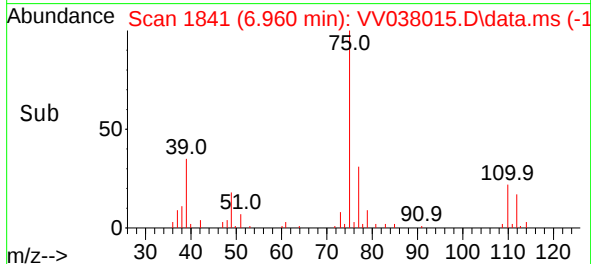
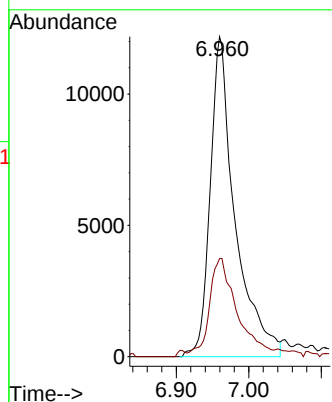
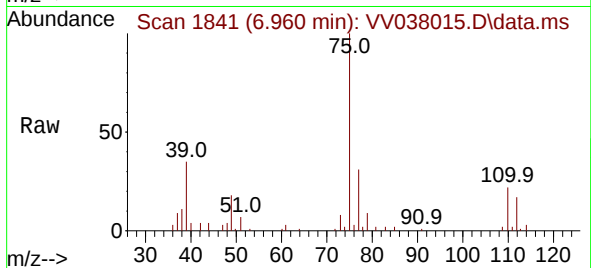




#39  
cis-1,3-Dichloropropene  
Concen: 0.827 ug/L  
RT: 6.960 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

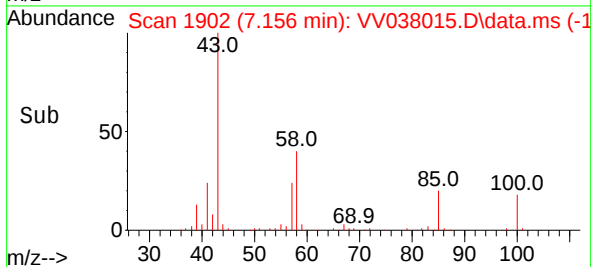
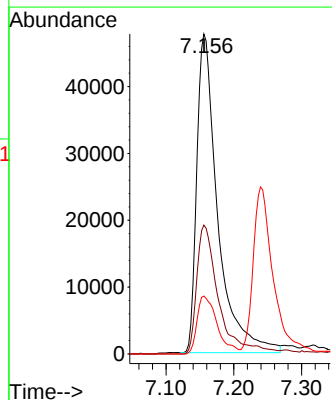
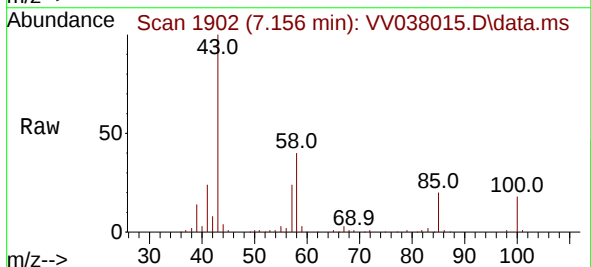
Instrument :  
MSVOA\_V  
ClientSampleId :

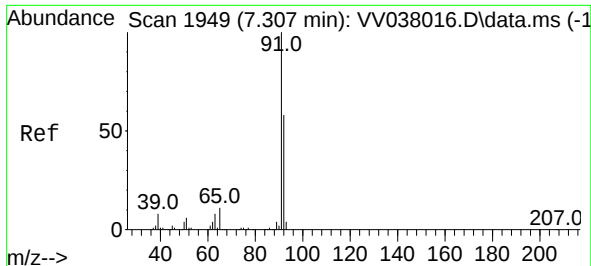
Tgt Ion: 75 Resp: 28979  
Ion Ratio Lower Upper  
75 100  
77 30.7 21.6 40.2



#40  
4-Methyl-2-pentanone  
Concen: 8.004 ug/L  
RT: 7.156 min Scan# 1902  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 43 Resp: 102341  
Ion Ratio Lower Upper  
43 100  
58 42.1 34.1 51.1  
100 17.4 14.7 22.1





#42

Toluene

Concen: 0.930 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

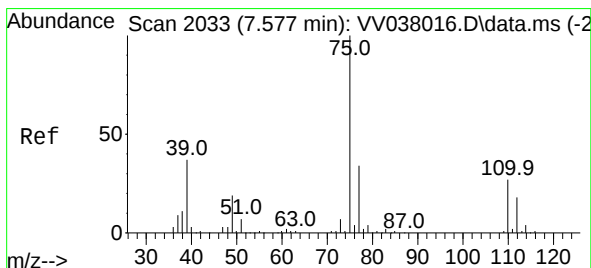
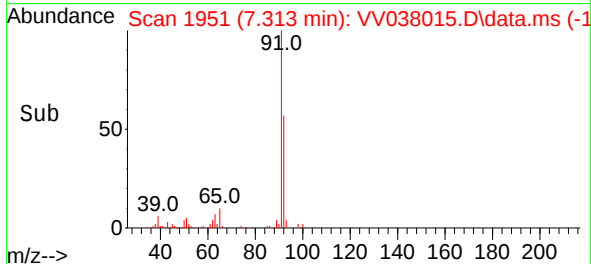
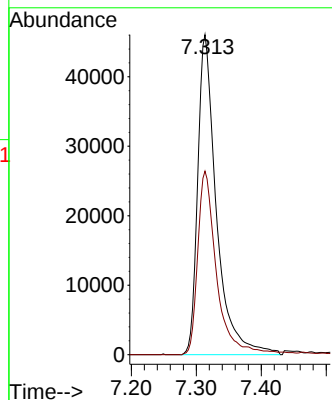
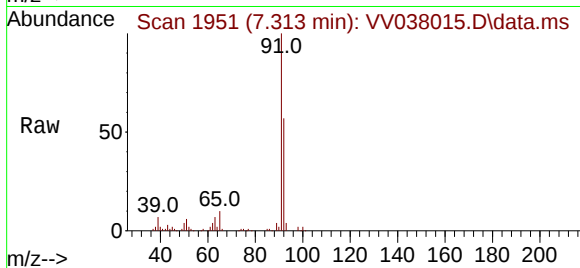
ClientSampleId :

Tgt Ion: 91 Resp: 92320

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 0.783 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.009 min

Lab File: VV038015.D

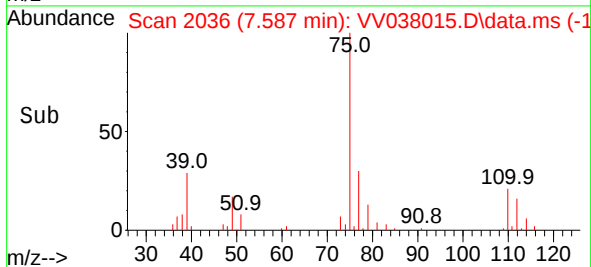
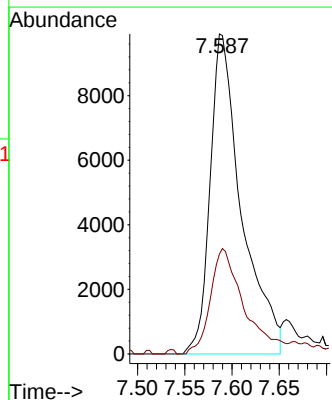
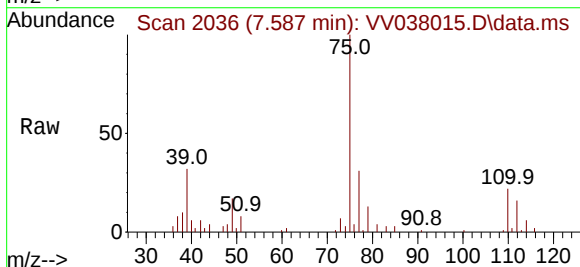
Acq: 12 Nov 2024 12:25

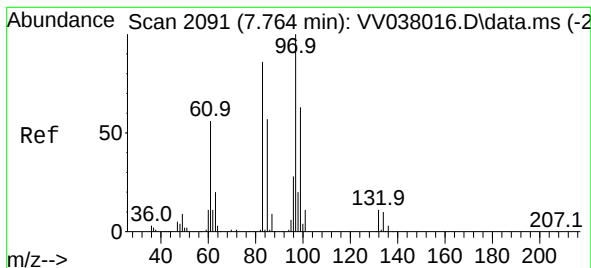
Tgt Ion: 75 Resp: 22892

Ion Ratio Lower Upper

75 100

77 31.2 23.6 43.8





#45

1,1,2-Trichloroethane

Concen: 0.970 ug/L

RT: 7.770 min Scan# 2091

Delta R.T. 0.006 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 18303

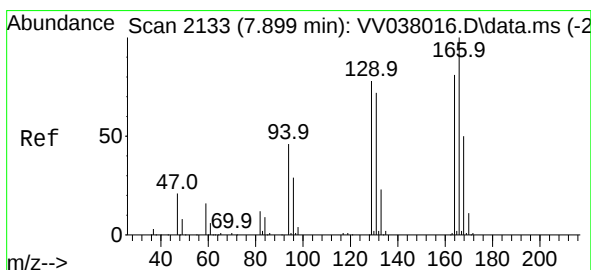
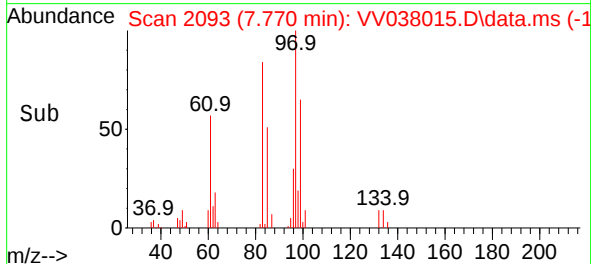
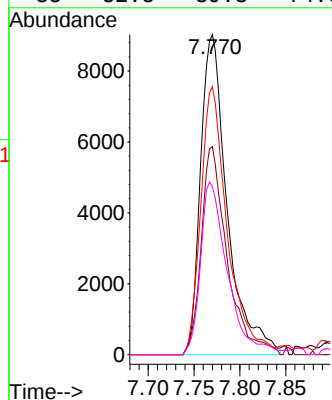
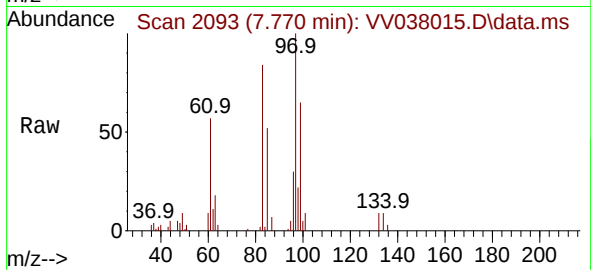
Ion Ratio Lower Upper

97 100

99 65.1 44.0 81.8

83 83.7 60.1 111.5

85 52.5 39.8 74.0



#47

Tetrachloroethene

Concen: 1.013 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Tgt Ion:164 Resp: 20659

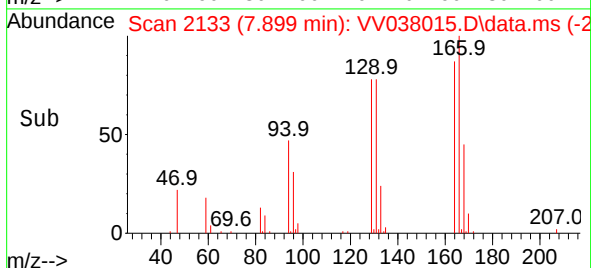
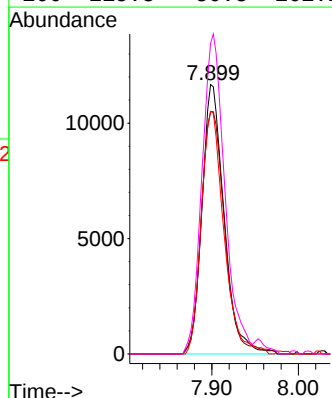
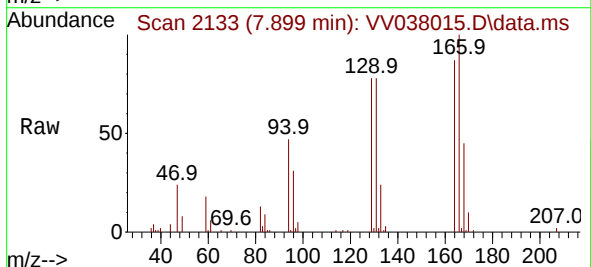
Ion Ratio Lower Upper

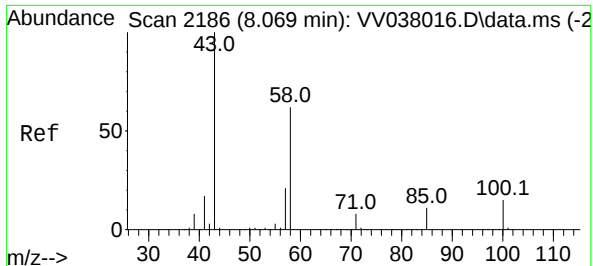
164 100

129 90.0 67.8 125.8

131 90.0 62.6 116.3

166 115.3 86.8 161.2

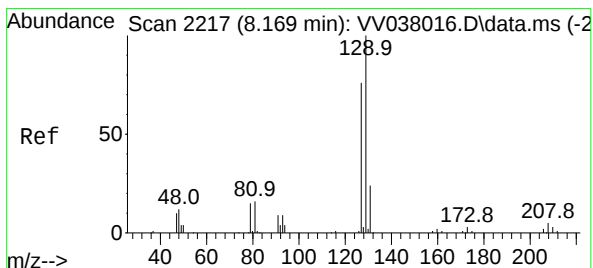
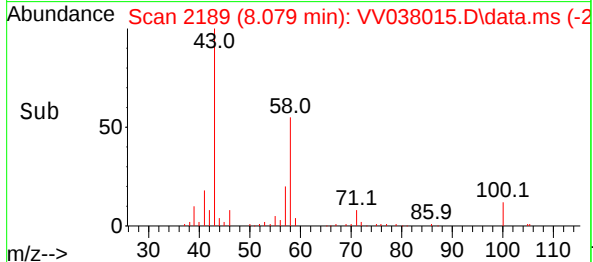
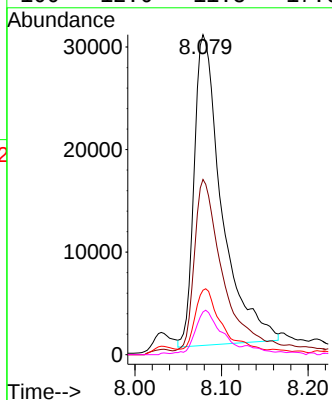
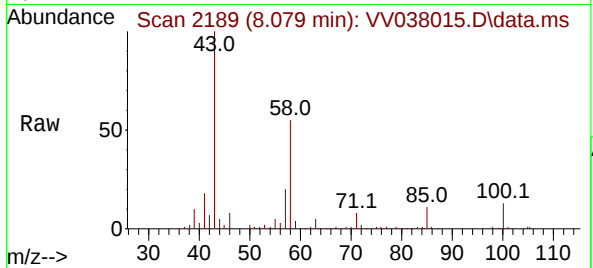




#48  
2-Hexanone  
Concen: 7.653 ug/L  
RT: 8.079 min Scan# 2186  
Delta R.T. 0.009 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

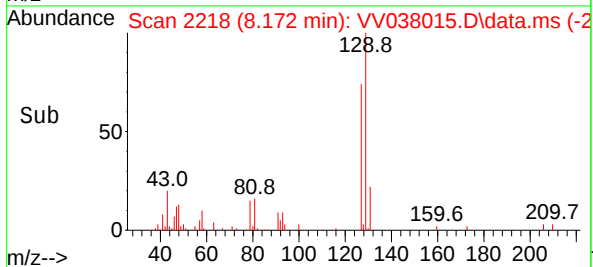
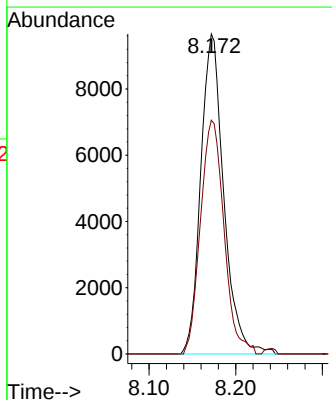
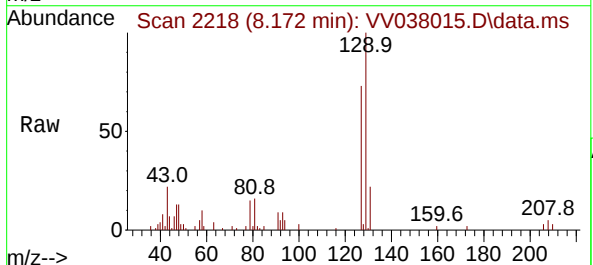
Instrument :  
MSVOA\_V  
ClientSampleId :

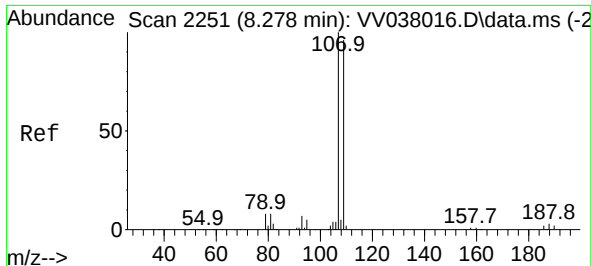
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 67212 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 57.8     | 48.9 73.3   |
| 57 19.3     | 16.6 24.8   |
| 100 12.6    | 11.8 17.6   |



#49  
Dibromochloromethane  
Concen: 0.876 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 17804 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 73.1    | 53.3        | 99.1  |  |

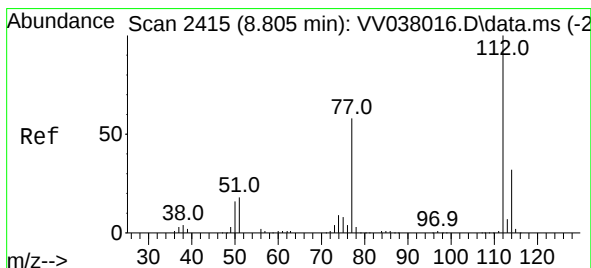
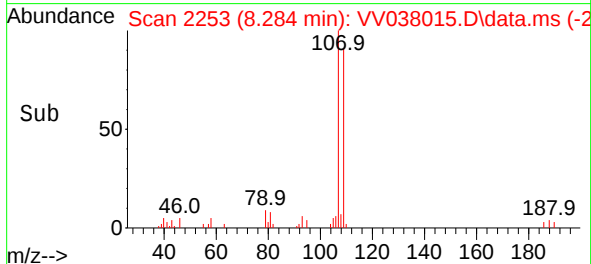
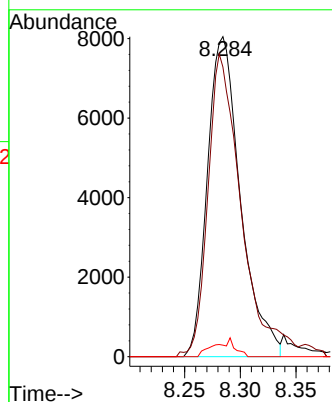
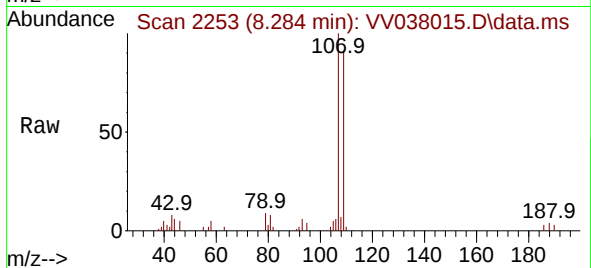




#50  
1,2-Dibromoethane  
Concen: 0.928 ug/L  
RT: 8.284 min Scan# 2417  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

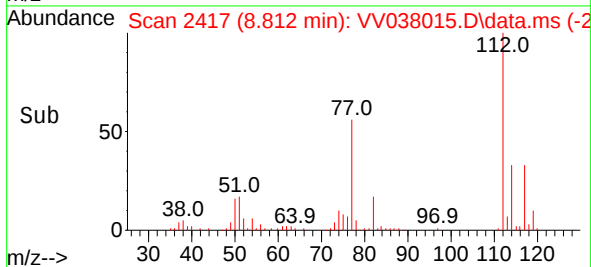
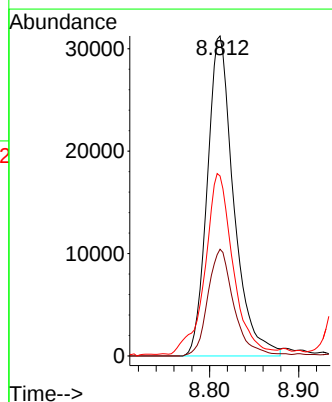
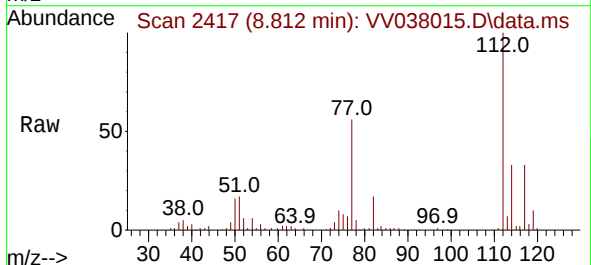
Instrument :  
MSVOA\_V  
ClientSampleId :

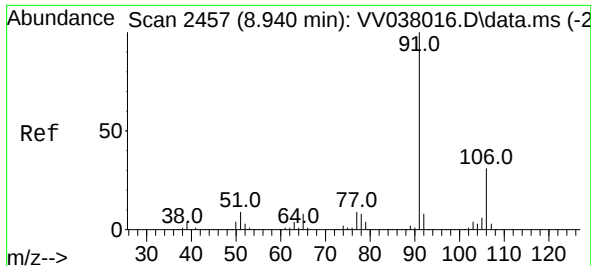
Tgt Ion:107 Resp: 16612  
Ion Ratio Lower Upper  
107 100  
109 90.5 67.1 124.7  
188 3.6 2.7 4.1



#51  
Chlorobenzene  
Concen: 0.952 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion:112 Resp: 64424  
Ion Ratio Lower Upper  
112 100  
114 33.4 22.3 41.3  
77 56.3 46.5 69.7





#52

Ethylbenzene

Concen: 0.910 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

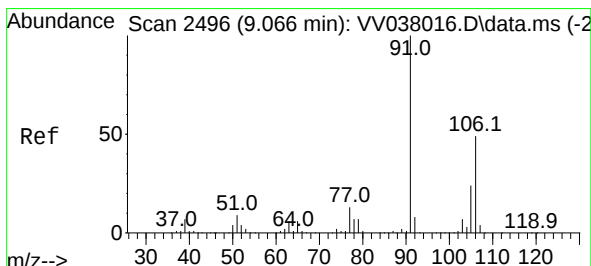
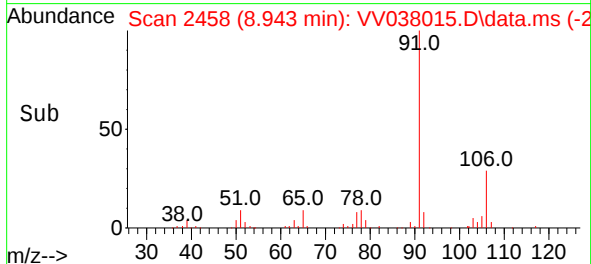
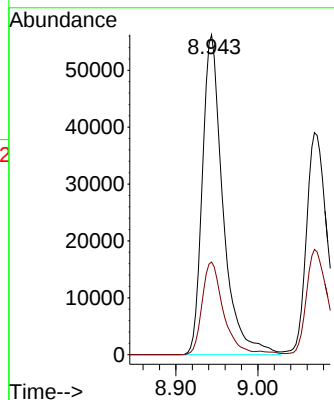
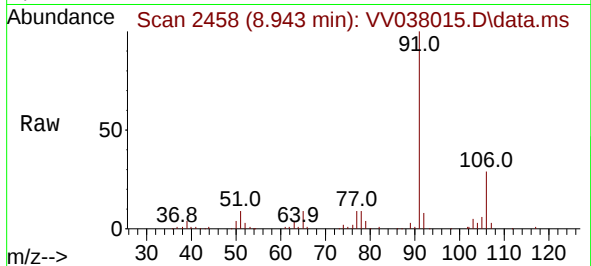
ClientSampleId :

Tgt Ion: 91 Resp: 98132

Ion Ratio Lower Upper

91 100

106 28.9 21.6 40.0



#53

m,p-Xylene

Concen: 0.843 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV038015.D

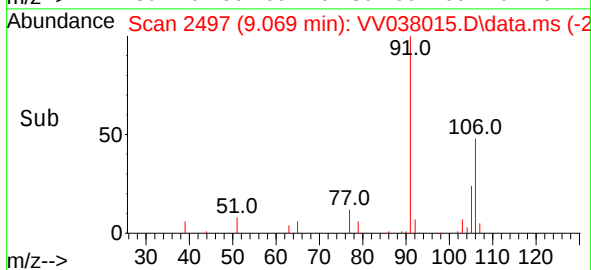
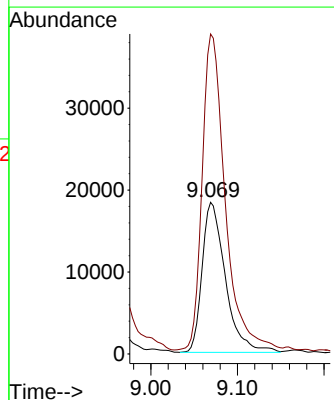
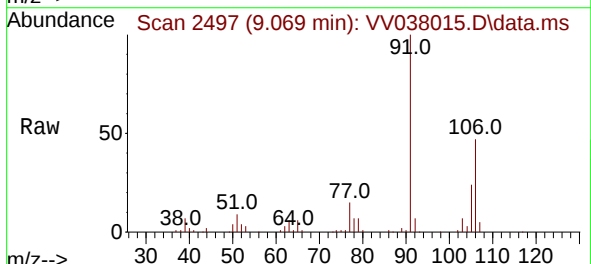
Acq: 12 Nov 2024 12:25

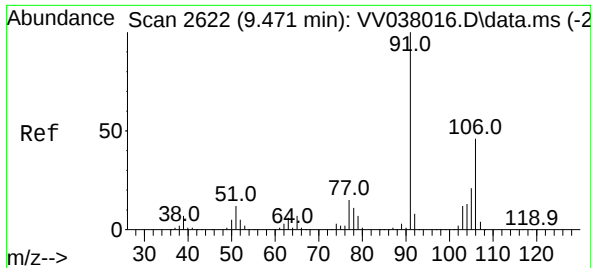
Tgt Ion:106 Resp: 34263

Ion Ratio Lower Upper

106 100

91 211.1 142.7 264.9

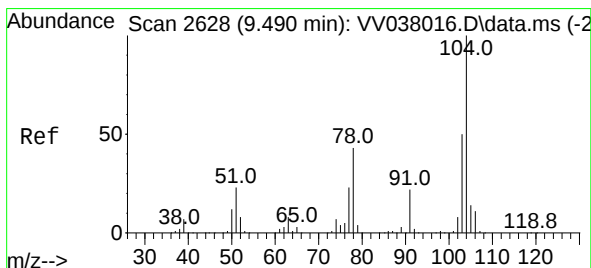
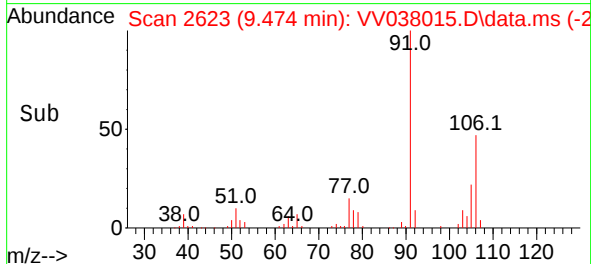
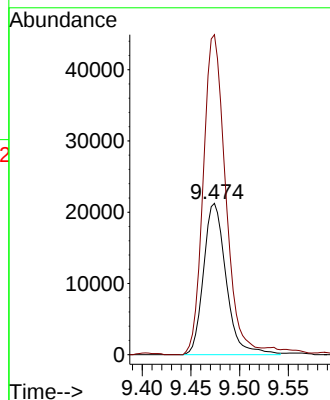
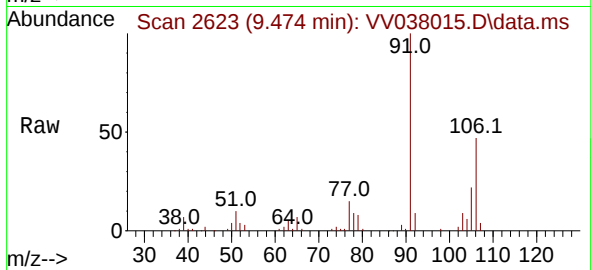




#54  
o-Xylene  
Concen: 0.870 ug/L  
RT: 9.474 min Scan# 2622  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

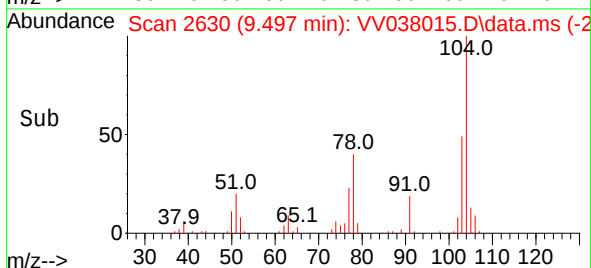
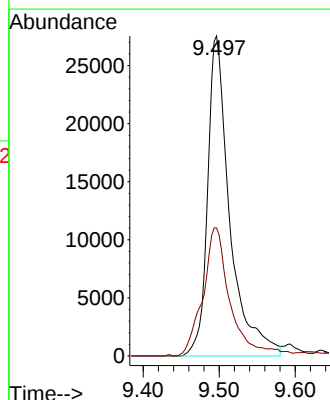
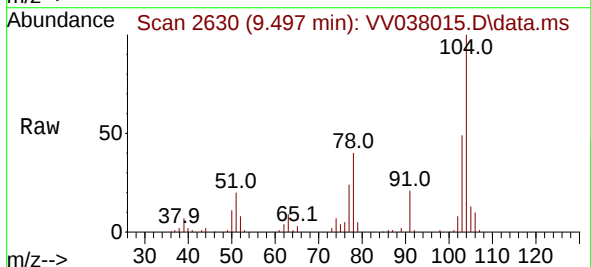
Instrument :  
MSVOA\_V  
ClientSampleId :

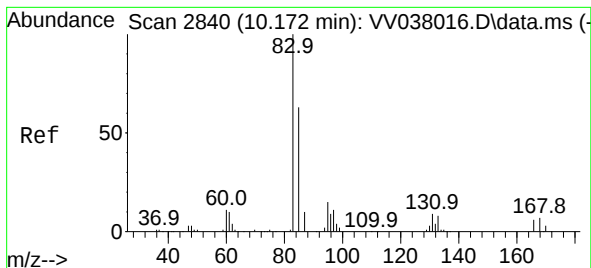
Tgt Ion:106 Resp: 34251  
Ion Ratio Lower Upper  
106 100  
91 211.5 151.0 280.4



#55  
Styrene  
Concen: 0.815 ug/L  
RT: 9.497 min Scan# 2630  
Delta R.T. 0.006 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion:104 Resp: 55873  
Ion Ratio Lower Upper  
104 100  
78 40.0 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.914 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

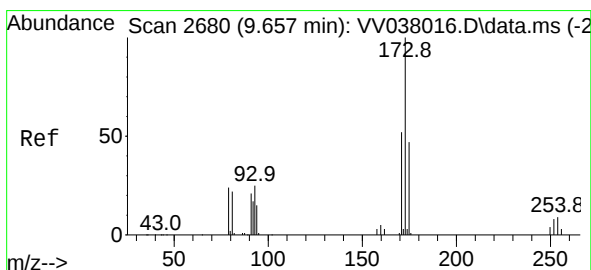
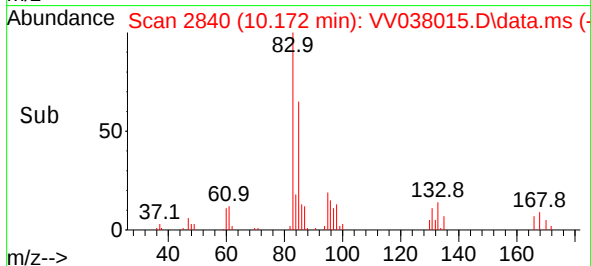
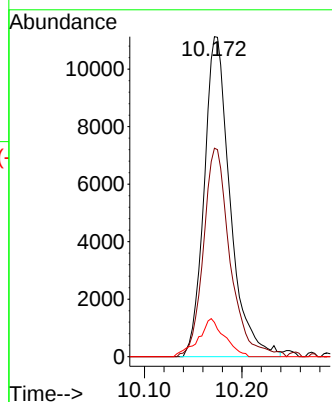
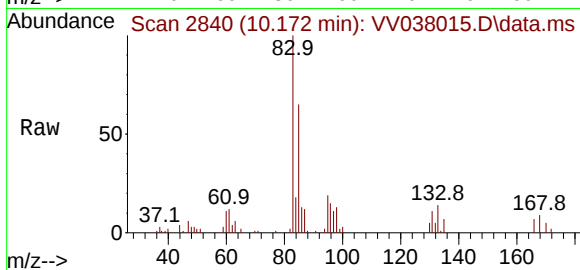
Tgt Ion: 83 Resp: 20586

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.4

131 10.7 7.8 11.6



#59

Bromoform

Concen: 0.860 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

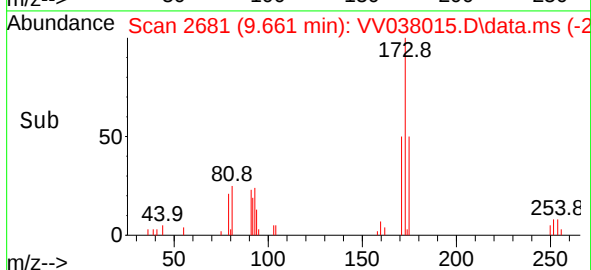
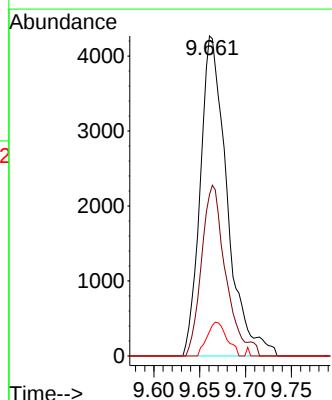
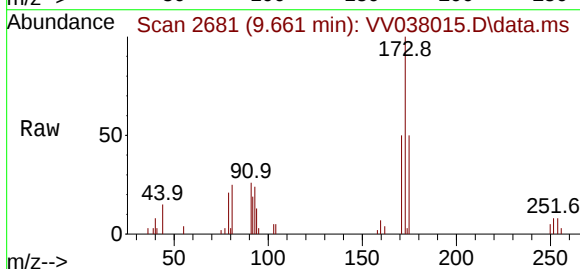
Tgt Ion: 173 Resp: 8651

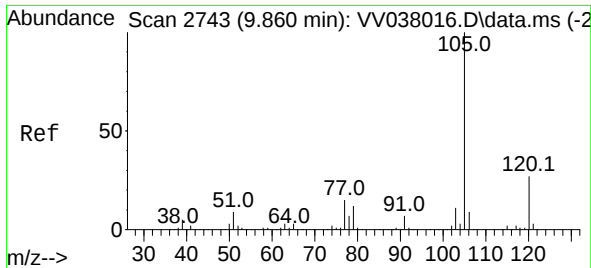
Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

254 7.8 7.5 11.3

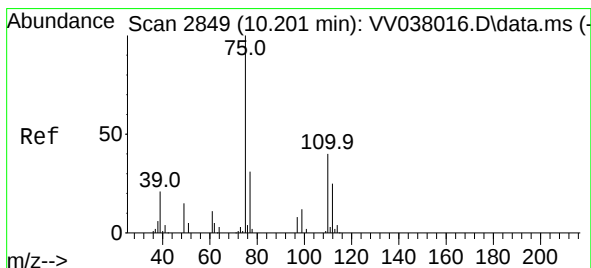
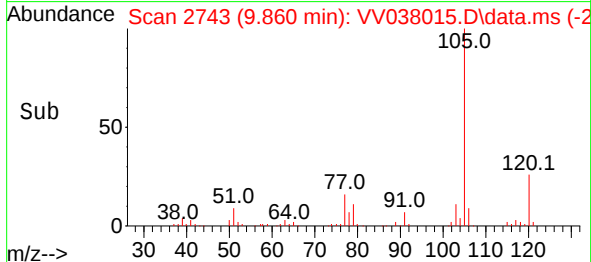
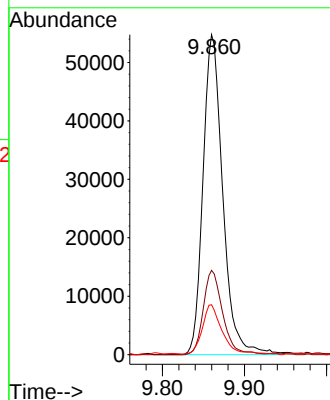
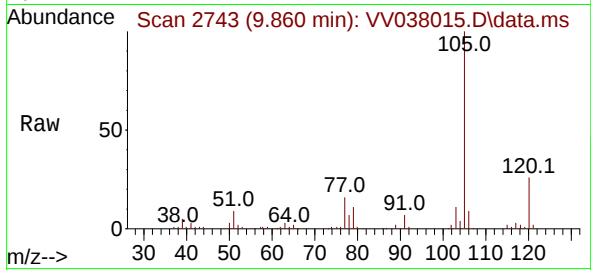




#60  
Isopropylbenzene  
Concen: 0.897 ug/L  
RT: 9.860 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

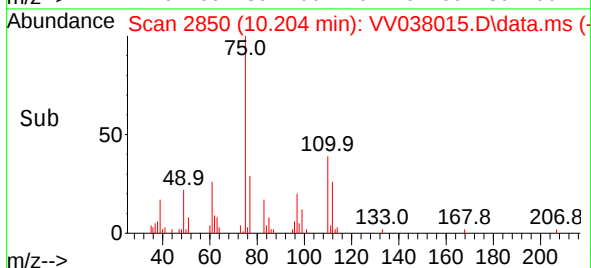
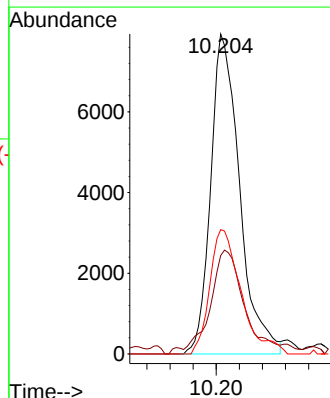
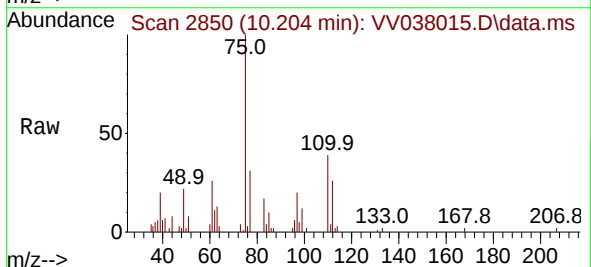
Instrument :  
MSVOA\_V  
ClientSampleId :

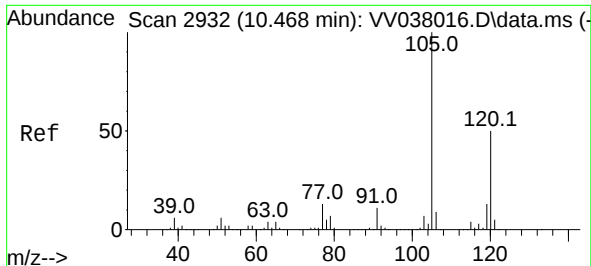
Tgt Ion:105 Resp: 91558  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.8 31.2  
77 16.1 12.1 18.1



#61  
1,2,3-Trichloropropane  
Concen: 0.922 ug/L  
RT: 10.204 min Scan# 2850  
Delta R.T. 0.003 min  
Lab File: VV038015.D  
Acq: 12 Nov 2024 12:25

Tgt Ion: 75 Resp: 13782  
Ion Ratio Lower Upper  
75 100  
77 33.4 25.3 37.9  
110 42.0 33.5 50.3





#62

1,3,5-Trimethylbenzene

Concen: 0.847 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

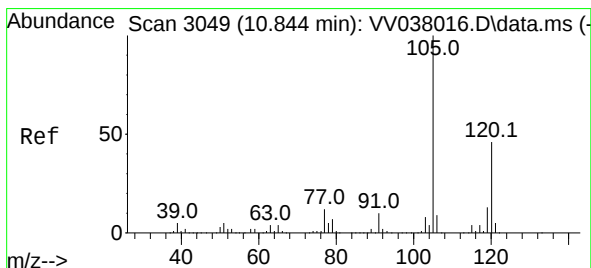
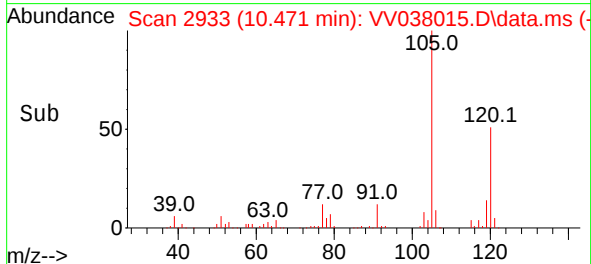
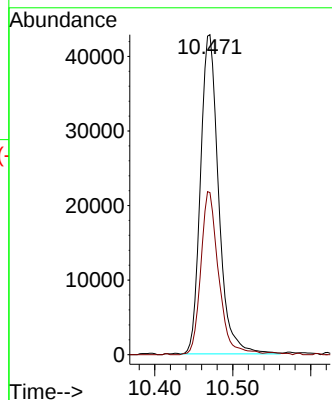
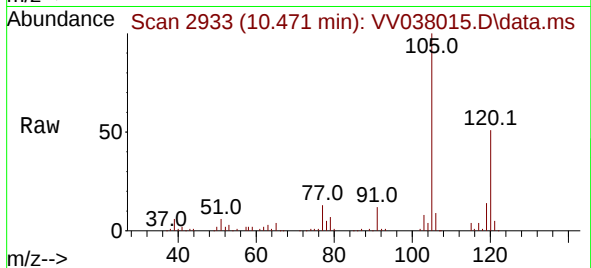
ClientSampleId :

Tgt Ion:105 Resp: 69199

Ion Ratio Lower Upper

105 100

120 50.2 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 0.839 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV038015.D

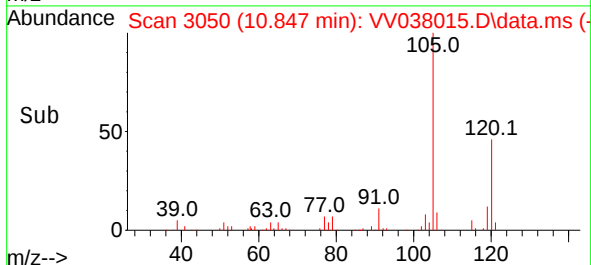
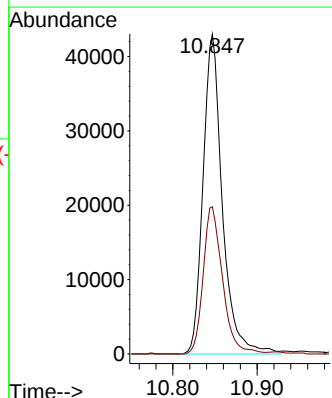
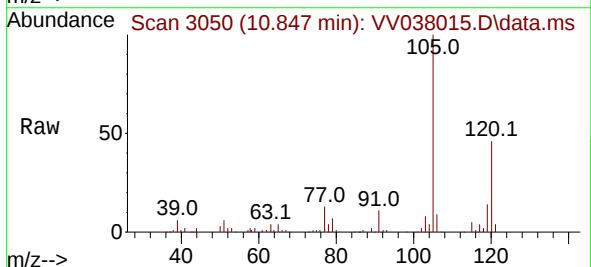
Acq: 12 Nov 2024 12:25

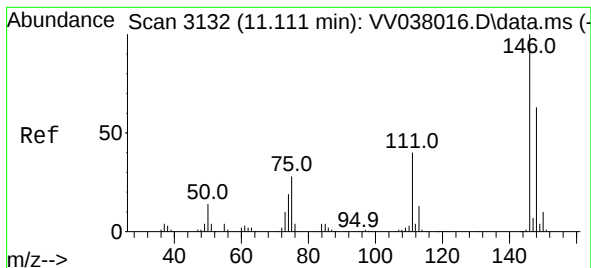
Tgt Ion:105 Resp: 68660

Ion Ratio Lower Upper

105 100

120 46.1 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 0.958 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

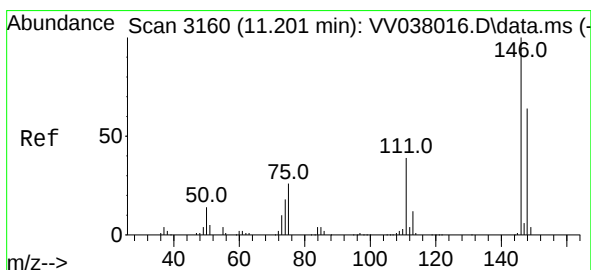
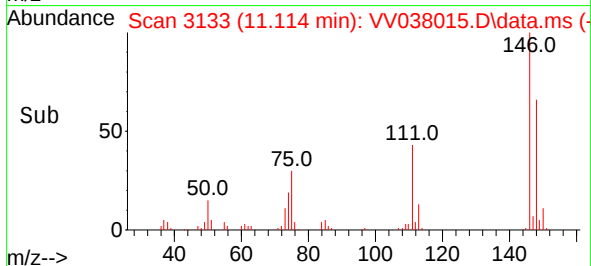
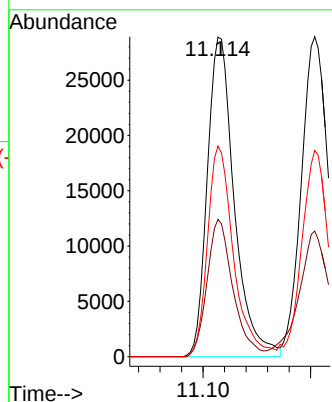
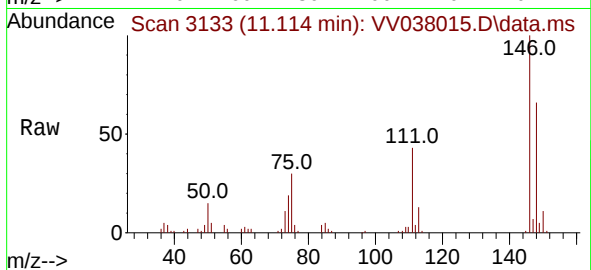
Tgt Ion:146 Resp: 50401

Ion Ratio Lower Upper

146 100

111 43.0 27.6 51.4

148 65.9 43.9 81.5



#65

1,4-Dichlorobenzene

Concen: 0.974 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

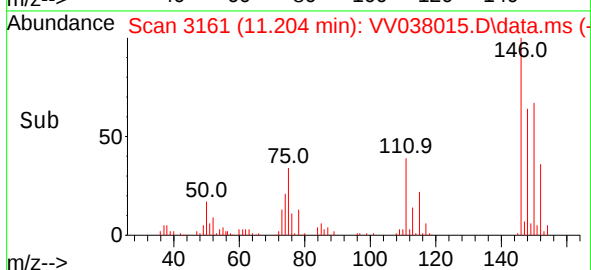
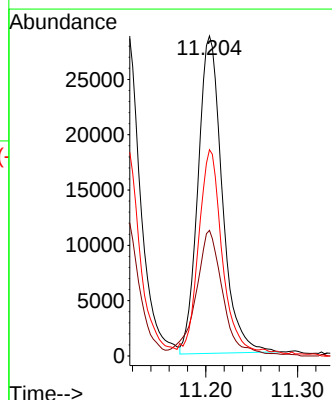
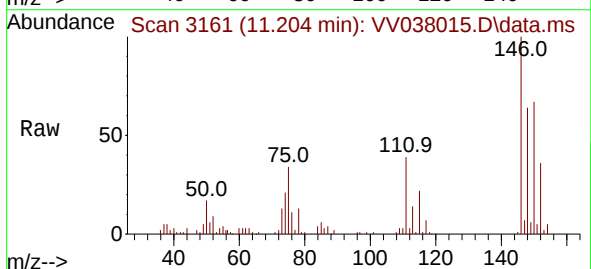
Tgt Ion:146 Resp: 52711

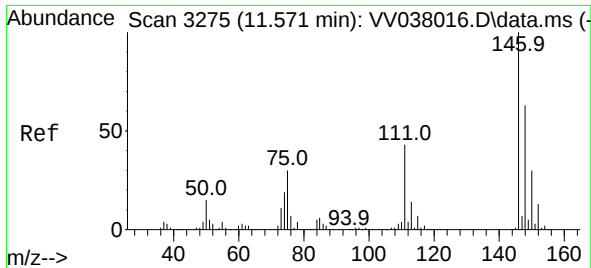
Ion Ratio Lower Upper

146 100

111 39.2 27.8 51.6

148 64.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 0.960 ug/L

RT: 11.574 min Scan# 3275

Delta R.T. 0.003 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

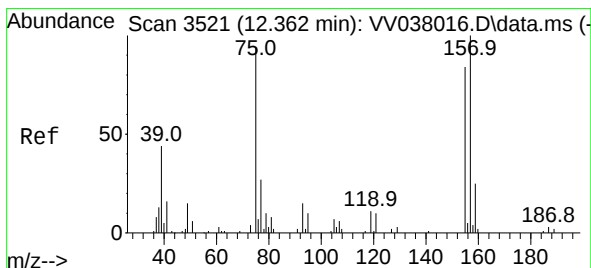
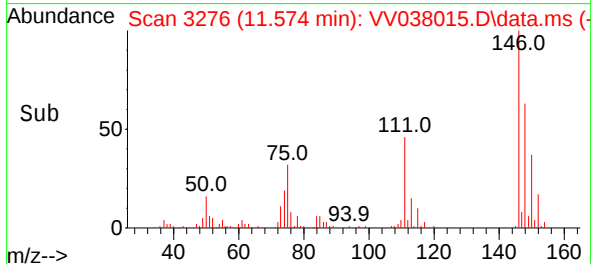
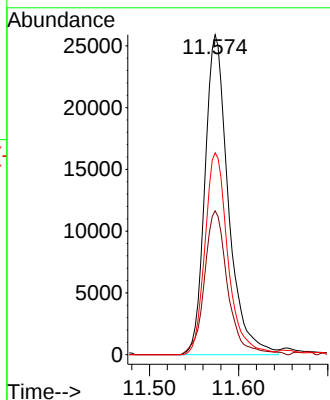
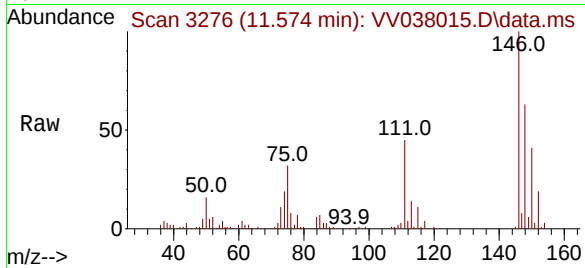
Tgt Ion:146 Resp: 47223

Ion Ratio Lower Upper

146 100

111 45.0 34.5 51.7

148 63.1 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.938 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

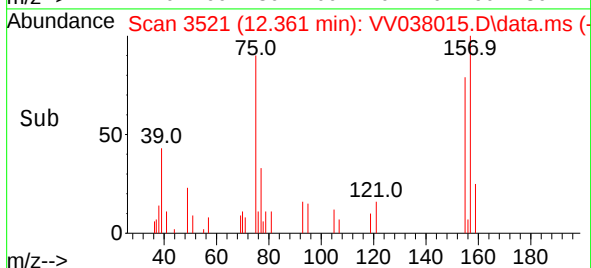
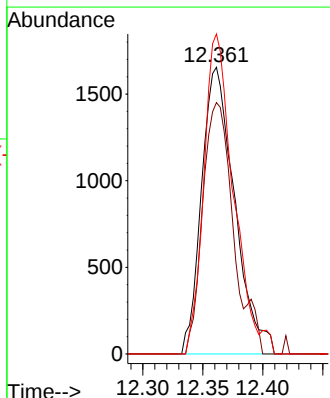
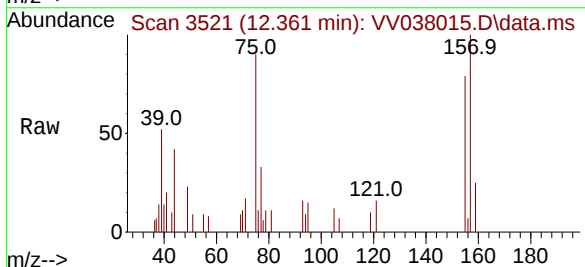
Tgt Ion: 75 Resp: 3177

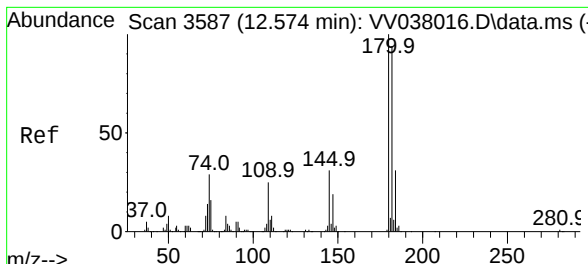
Ion Ratio Lower Upper

75 100

155 87.7 72.0 108.0

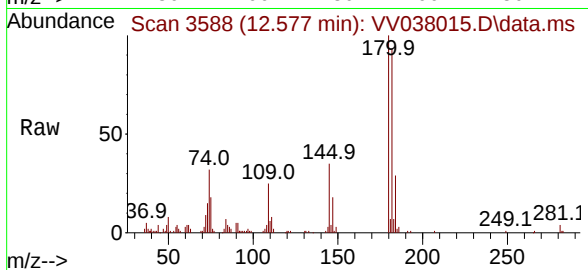
157 111.6 85.4 128.0



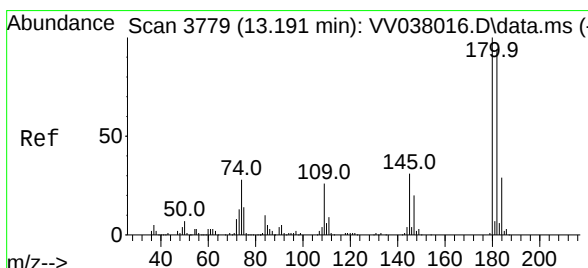
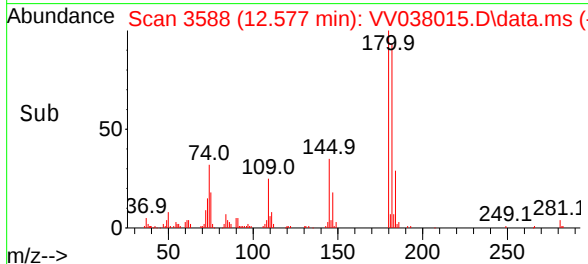
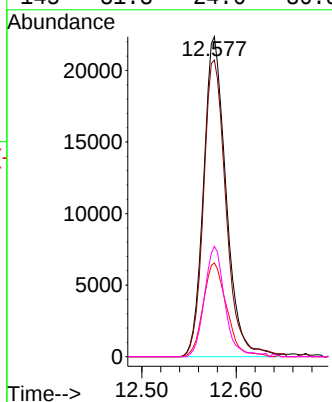


#69  
 1,3,5-Trichlorobenzene  
 Concen: 0.955 ug/L  
 RT: 12.577 min Scan# 3588  
 Delta R.T. 0.003 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

Instrument :  
 MSVOA\_V  
 ClientSampleId :

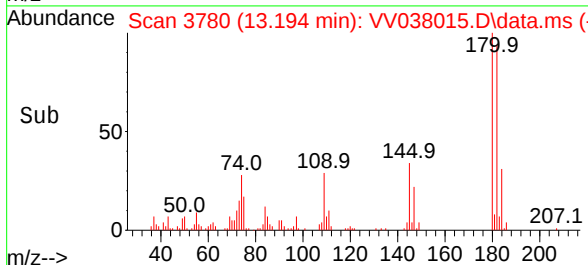
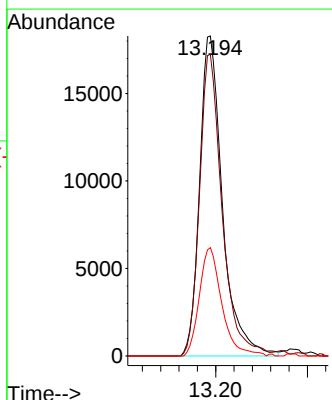
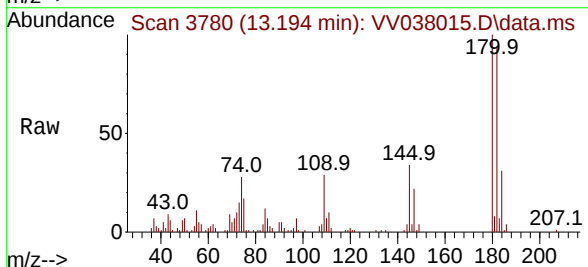


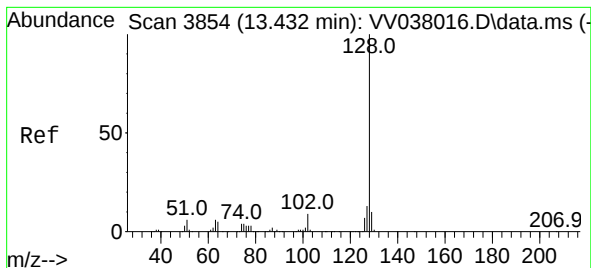
Tgt Ion:180 Resp: 36964  
 Ion Ratio Lower Upper  
 180 100  
 182 93.2 76.2 114.2  
 184 30.6 24.2 36.2  
 145 31.3 24.6 36.8



#70  
 1,2,4-trichlorobenzene  
 Concen: 0.922 ug/L  
 RT: 13.194 min Scan# 3780  
 Delta R.T. 0.003 min  
 Lab File: VV038015.D  
 Acq: 12 Nov 2024 12:25

Tgt Ion:180 Resp: 31676  
 Ion Ratio Lower Upper  
 180 100  
 182 92.8 74.6 112.0  
 145 33.2 24.8 37.2





#71

Naphthalene

Concen: 0.835 ug/L

RT: 13.438 min Scan# 3854

Delta R.T. 0.006 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Instrument :

MSVOA\_V

ClientSampleId :

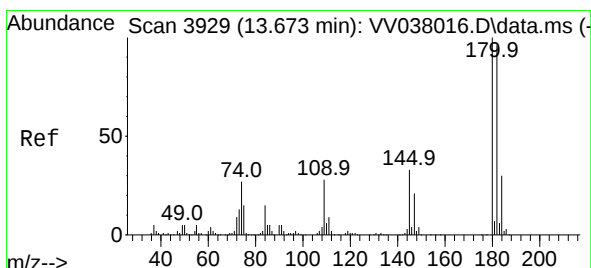
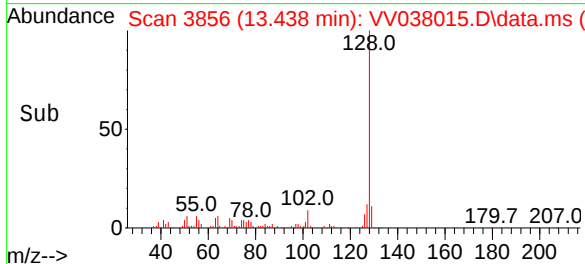
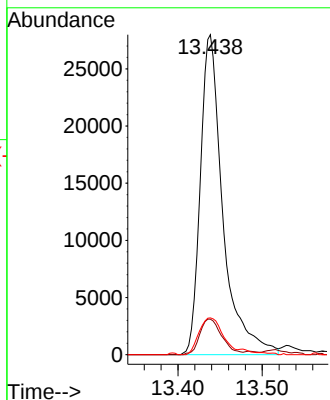
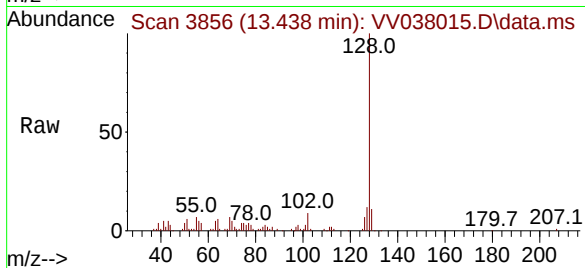
Tgt Ion:128 Resp: 52244

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.1 9.9 14.9



#72

1,2,3-Trichlorobenzene

Concen: 0.913 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV038015.D

Acq: 12 Nov 2024 12:25

Tgt Ion:180 Resp: 29615

Ion Ratio Lower Upper

180 100

182 99.1 76.6 114.8

145 35.3 26.2 39.2

