

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV091525\  
 Data File : VV039068.D  
 Acq On : 15 Sep 2025 10:18  
 Operator : SY/MD  
 Sample : VSTD00555  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005255

Quant Time: Sep 16 01:37:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091525WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 16 01:35:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114  | 394206   | 5.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117  | 403740   | 5.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.172 | 152  | 206934   | 5.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.291  | 65   | 157334   | 4.906  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.545  | 69   | 139975   | 5.000  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.072  | 65   | 76274    | 5.124  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.805  | 46   | 229815   | 53.436 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.252  | 84   | 317897   | 5.232  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 135137   | 5.400  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.960  | 84   | 590968   | 5.216  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67   | 171950   | 5.264  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.236  | 98   | 555251   | 5.467  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79   | 62234    | 5.129  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.017  | 63   | 194765   | 51.477 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84   | 128592   | 5.213  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.548 | 152  | 166604   | 4.916  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.121  | 85   | 217649   | 4.938  | ug/L  | 100      |
| 3) Chloromethane              | 1.227  | 50   | 204125   | 4.698  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.294  | 62   | 220109   | 4.782  | ug/L  | 100      |
| 6) Bromomethane               | 1.500  | 94   | 122333   | 4.781  | ug/L  | 100      |
| 8) Chloroethane               | 1.561  | 64   | 139172   | 4.834  | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.725  | 101  | 305054   | 4.853  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.079  | 101  | 188467   | 4.885  | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.082  | 96   | 169889   | 4.842  | ug/L  | 100      |
| 13) Acetone                   | 2.137  | 43   | 176942   | 42.325 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.252  | 76   | 553599   | 4.823  | ug/L  | 100      |
| 15) Methyl Acetate            | 2.394  | 43   | 47261    | 4.483  | ug/L  | 100      |
| 16) Methylene chloride        | 2.458  | 84   | 174415   | 3.538  | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 2.712  | 73   | 283547   | 4.695  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 2.706  | 96   | 170528   | 4.820  | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.120  | 63   | 316665   | 4.911  | ug/L  | 100      |
| 21) 2-Butanone                | 3.889  | 43   | 234689   | 49.639 | ug/L  | 100      |
| 22) cis-1,2-Dichloroethene    | 3.821  | 96   | 164910   | 4.844  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.156  | 128  | 75462    | 4.958  | ug/L  | 100      |
| 25) Chloroform                | 4.278  | 83   | 328861   | 4.865  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 172228   | 5.040  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 294568   | 4.703  | ug/L  | 100      |
| 30) Cyclohexane               | 4.587  | 56   | 253739   | 4.721  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.735  | 117  | 261523   | 4.825  | ug/L  | 100      |
| 33) Benzene                   | 5.011  | 78   | 695774   | 5.027  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 176155   | 4.731  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.046  | 83   | 271437   | 4.749  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 170506   | 4.999  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 220560   | 4.749  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 218335   | 4.730  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 681036   | 50.189 | ug/L  | 100      |
| 42) Toluene                   | 7.310  | 91   | 738288   | 5.097  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 187160   | 4.806  | ug/L  | 100      |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005255

Quant Time: Sep 16 01:37:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091525WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 16 01:35:33 2025  
 Response via : Initial Calibration

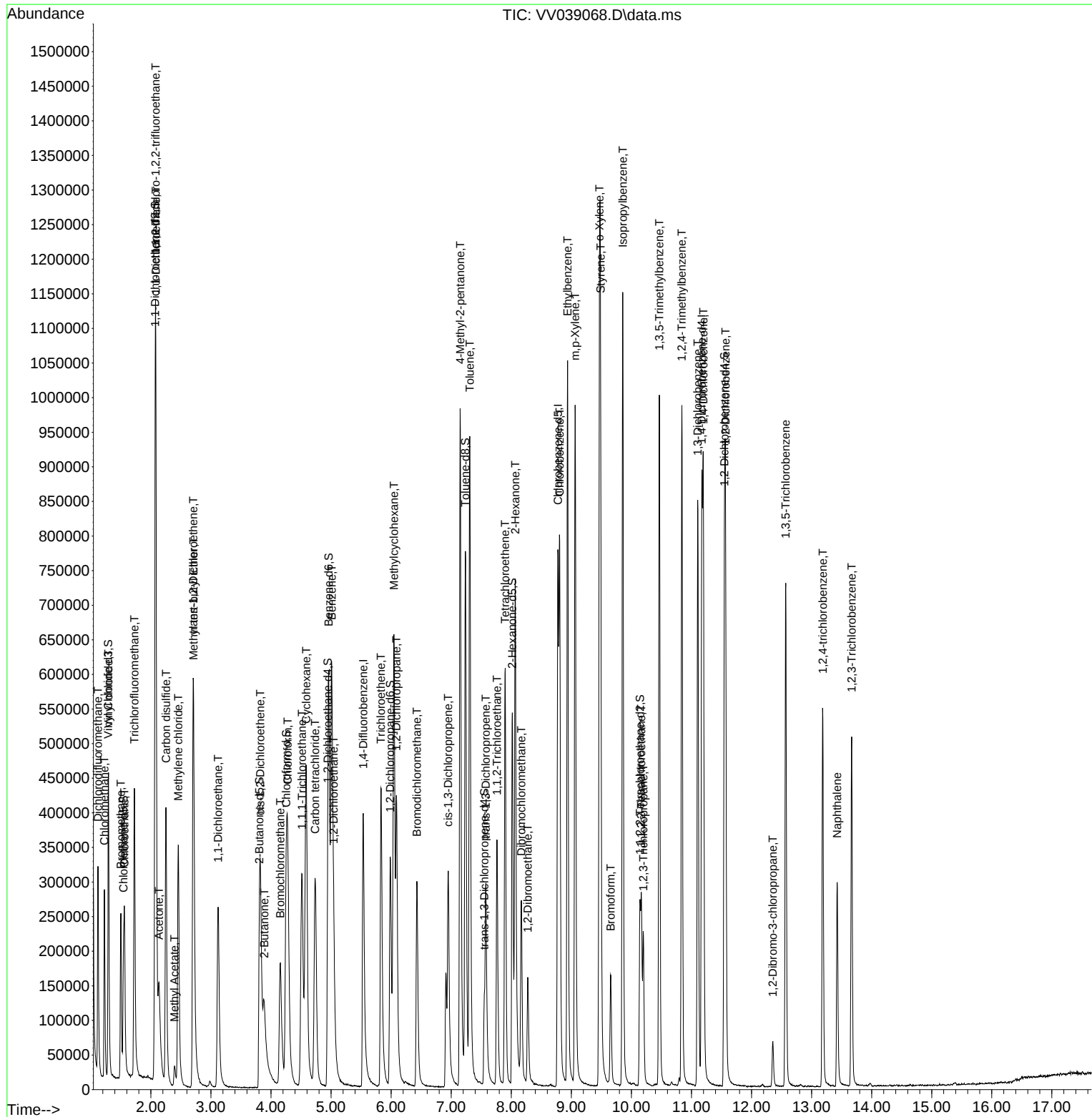
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 117436   | 4.803  | ug/L  | 100      |
| 47) Tetrachloroethene         | 7.898  | 164  | 139177   | 4.841  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.066  | 43   | 474246   | 52.988 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.169  | 129  | 141428   | 4.826  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 106243   | 4.776  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.805  | 112  | 442581   | 4.685  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.937  | 91   | 721023   | 4.799  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.062  | 106  | 285493   | 4.900  | ug/L  | 100      |
| 54) o-Xylene                  | 9.467  | 106  | 257923   | 4.891  | ug/L  | 100      |
| 55) Styrene                   | 9.487  | 104  | 486783   | 5.303  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 132817   | 4.708  | ug/L  | 100      |
| 59) Bromoform                 | 9.657  | 173  | 73505    | 4.660  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.857  | 105  | 718573   | 4.683  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 87875    | 4.362  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.464 | 105  | 522850   | 4.479  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.840 | 105  | 527943   | 4.661  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.104 | 146  | 349905   | 4.768  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.197 | 146  | 354612   | 4.690  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.567 | 146  | 303622   | 4.645  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75   | 19171    | 4.491  | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.570 | 180  | 216955   | 4.647  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 165813   | 4.618  | ug/L  | 100      |
| 71) Naphthalene               | 13.426 | 128  | 238100   | 4.282  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.667 | 180  | 146981   | 4.580  | ug/L  | 100      |

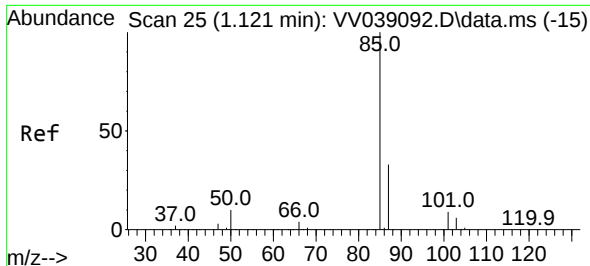
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 16 01:35:33 2025  
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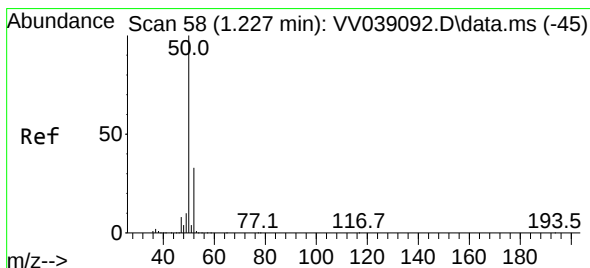
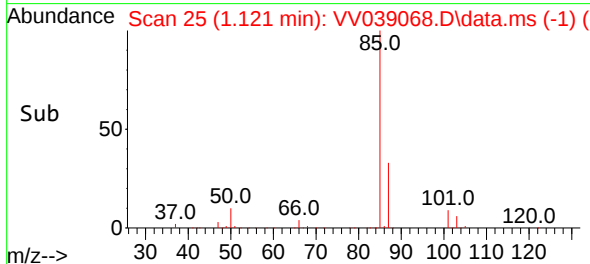
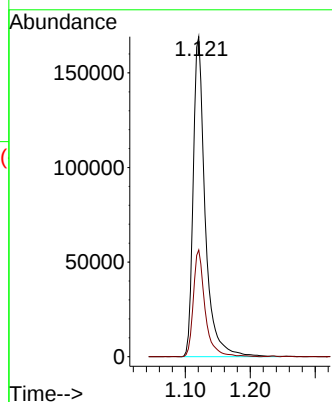
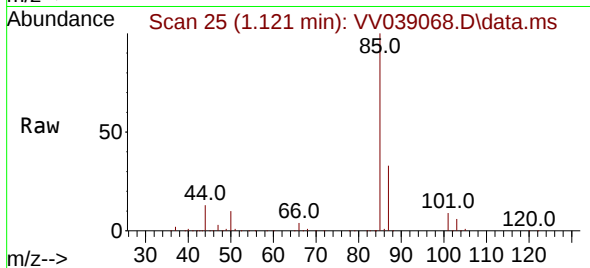




#2  
 Dichlorodifluoromethane  
 Concen: 4.938 ug/L  
 RT: 1.121 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

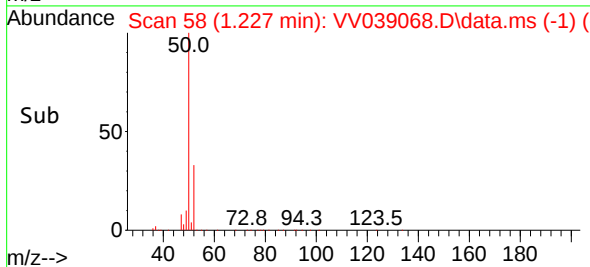
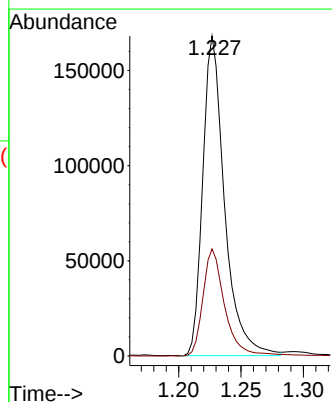
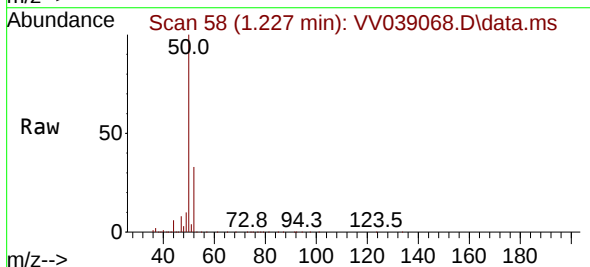
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005255

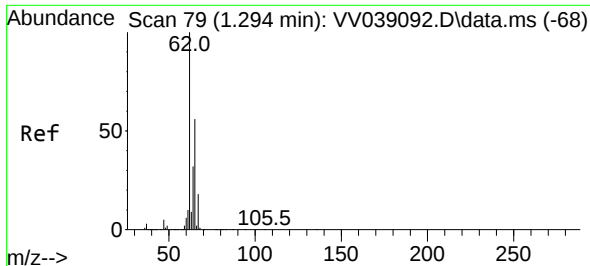
Tgt Ion: 85 Resp: 217649  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 25.9 38.9



#3  
 Chloromethane  
 Concen: 4.698 ug/L  
 RT: 1.227 min Scan# 58  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

Tgt Ion: 50 Resp: 204125  
 Ion Ratio Lower Upper  
 50 100  
 52 33.5 23.4 43.6

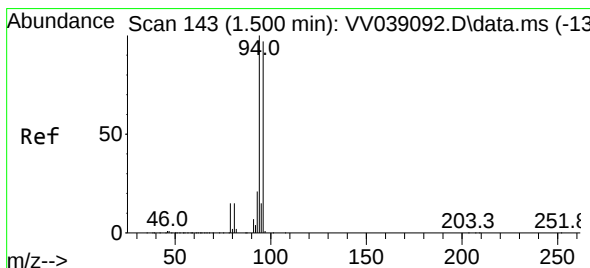
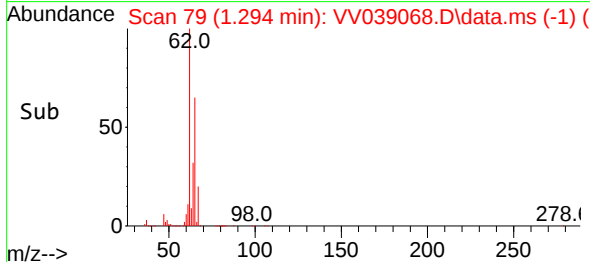
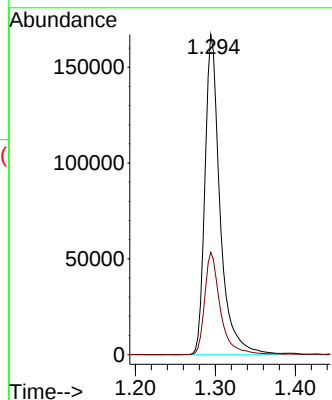
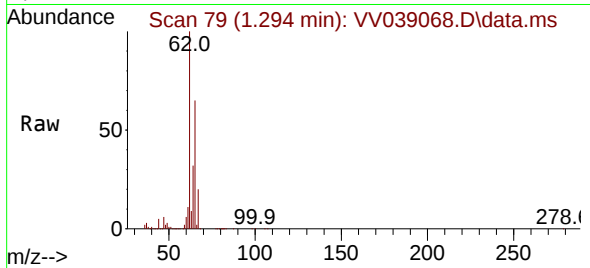




#5  
 Vinyl chloride  
 Concen: 4.782 ug/L  
 RT: 1.294 min Scan# 79  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

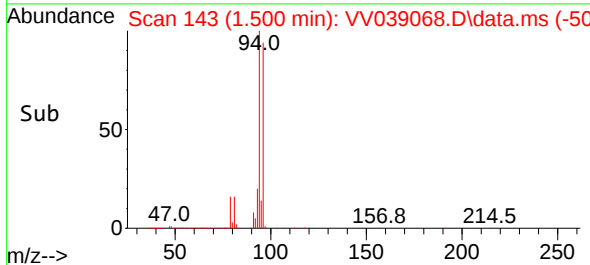
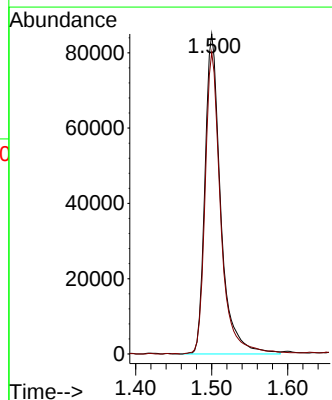
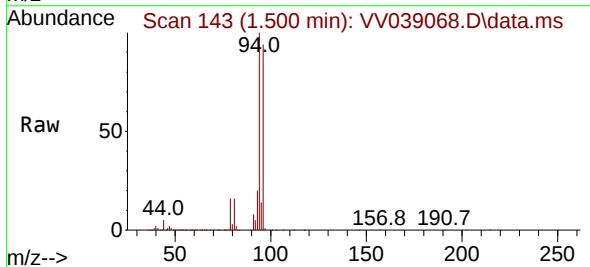
Instrument :  
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 ClientSampleId :  
 VSTD005255

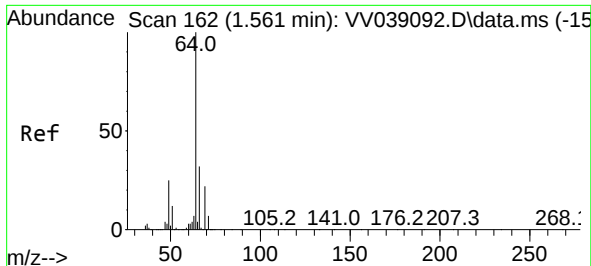
Tgt Ion: 62 Resp: 220109  
 Ion Ratio Lower Upper  
 62 100  
 64 32.0 22.4 41.6



#6  
 Bromomethane  
 Concen: 4.781 ug/L  
 RT: 1.500 min Scan# 143  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

Tgt Ion: 94 Resp: 122333  
 Ion Ratio Lower Upper  
 94 100  
 96 94.2 65.9 122.5

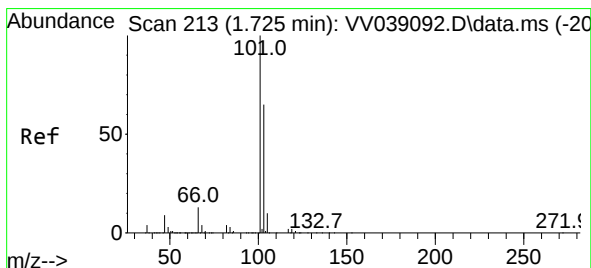
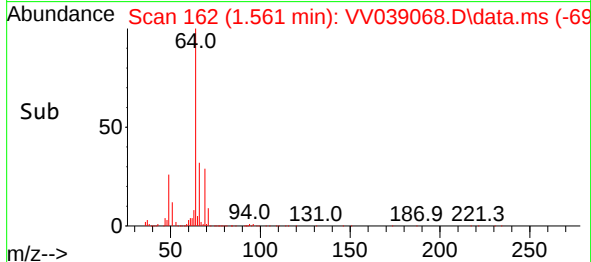
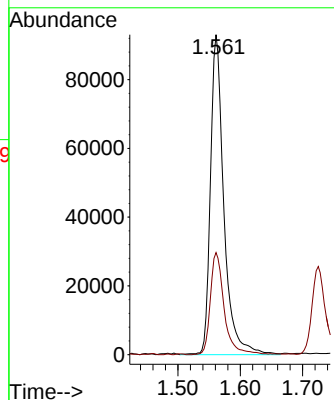
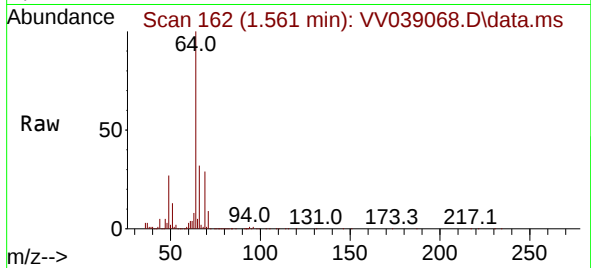




#8  
Chloroethane  
Concen: 4.834 ug/L  
RT: 1.561 min Scan# 162  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

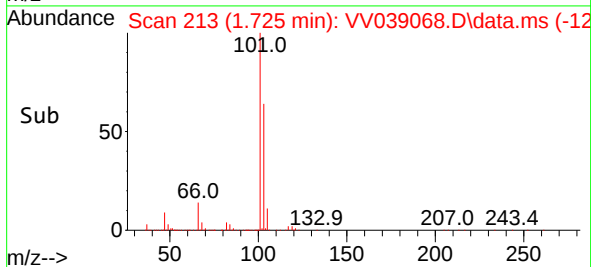
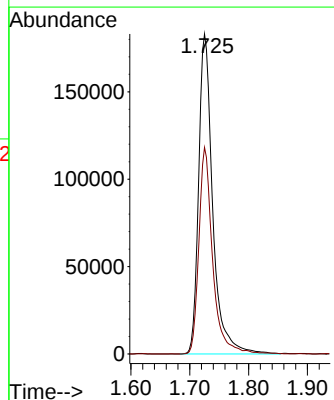
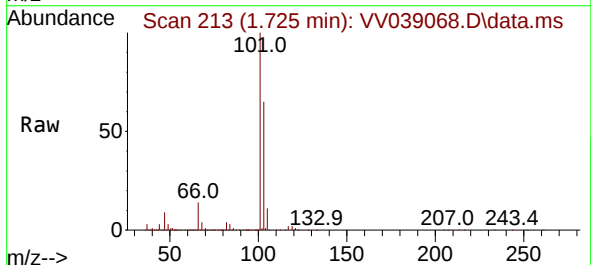
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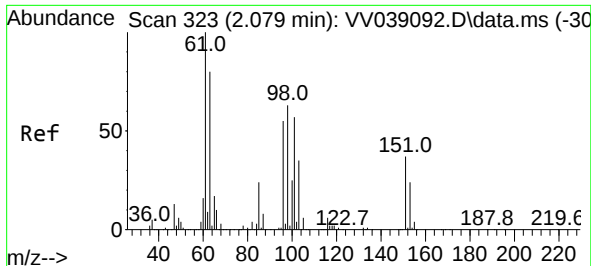
Tgt Ion: 64 Resp: 139172  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 4.853 ug/L  
RT: 1.725 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 101 Resp: 305054  
Ion Ratio Lower Upper  
101 100  
103 63.4 50.7 76.1

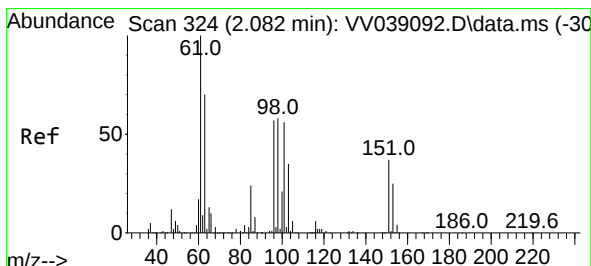
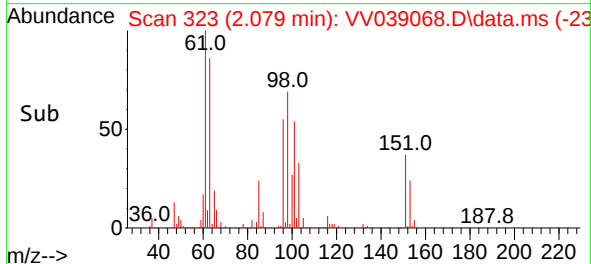
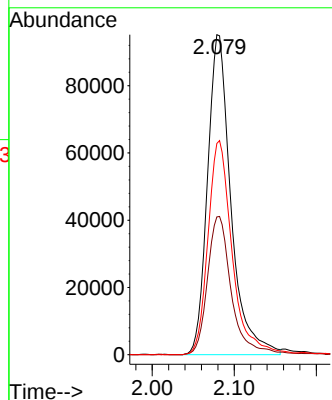
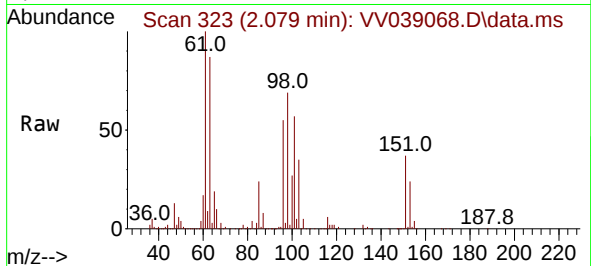




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.885 ug/L  
 RT: 2.079 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

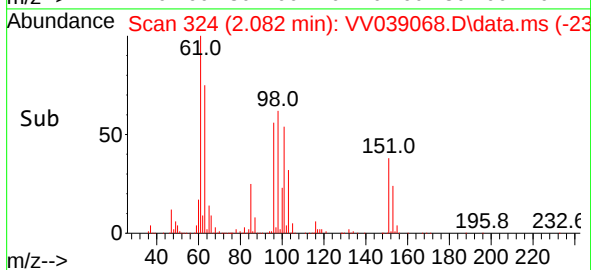
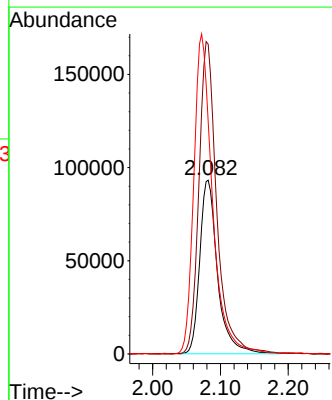
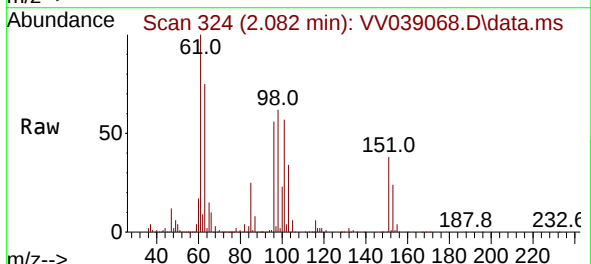
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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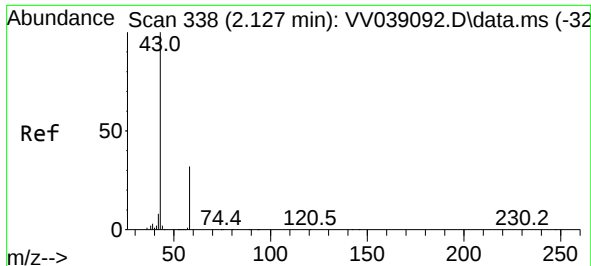
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 Ion Ratio Lower Upper  
 101 100  
 85 44.2 35.4 53.0  
 151 69.2 55.4 83.0



#12  
 1,1-Dichloroethene  
 Concen: 4.842 ug/L  
 RT: 2.082 min Scan# 324  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

Tgt Ion: 96 Resp: 169889  
 Ion Ratio Lower Upper  
 96 100  
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 63 133.6 93.5 173.7

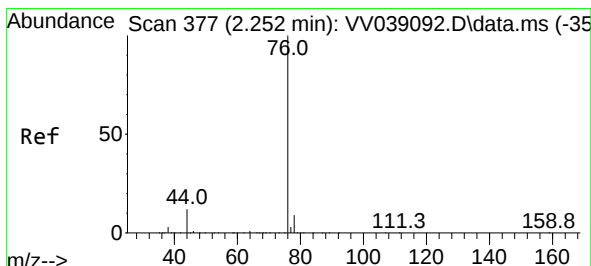
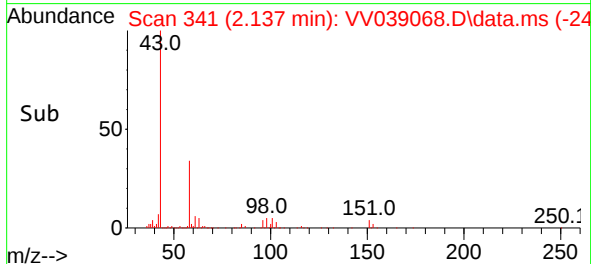
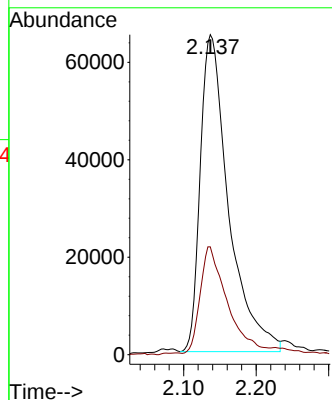
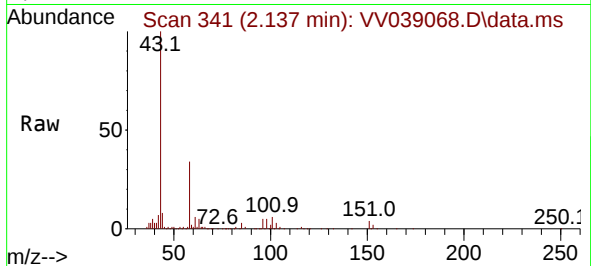




#13  
Acetone  
Concen: 42.325 ug/L  
RT: 2.137 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

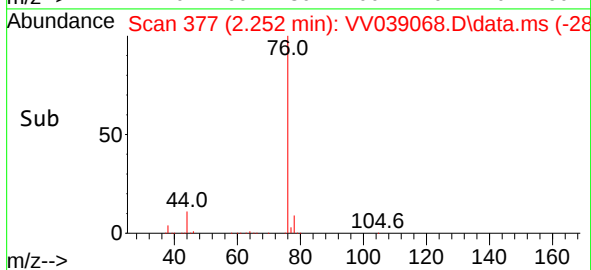
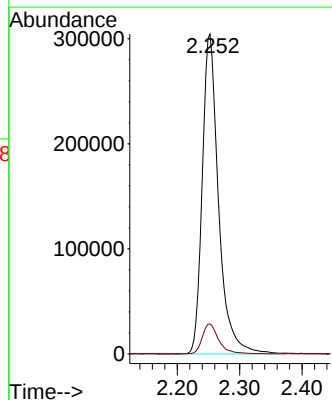
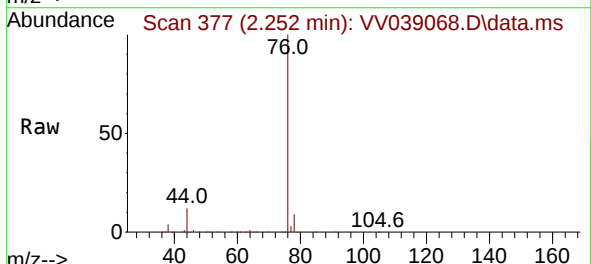
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

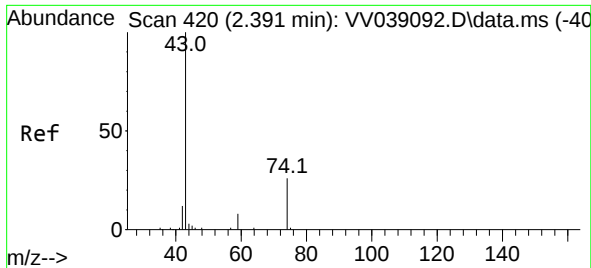
Tgt Ion: 43 Resp: 176942  
Ion Ratio Lower Upper  
43 100  
58 32.0 0.0 64.0



#14  
Carbon disulfide  
Concen: 4.823 ug/L  
RT: 2.252 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 76 Resp: 553599  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.2

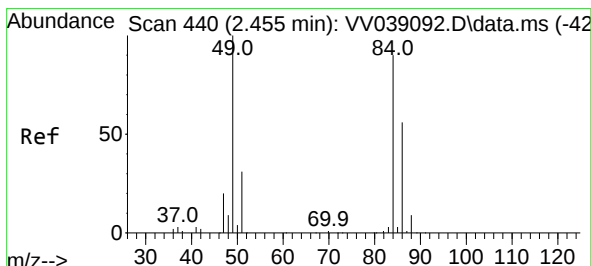
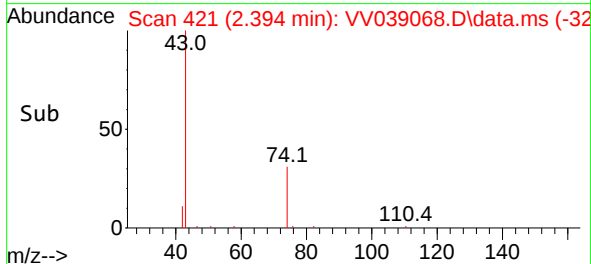
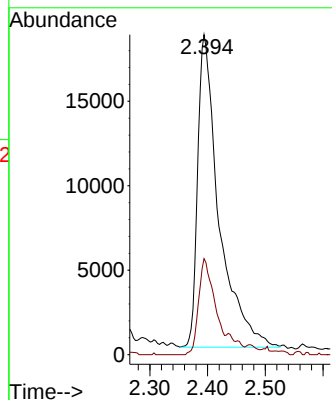
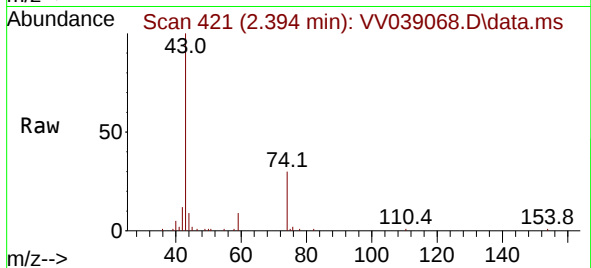




#15  
Methyl Acetate  
Concen: 4.483 ug/L  
RT: 2.394 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

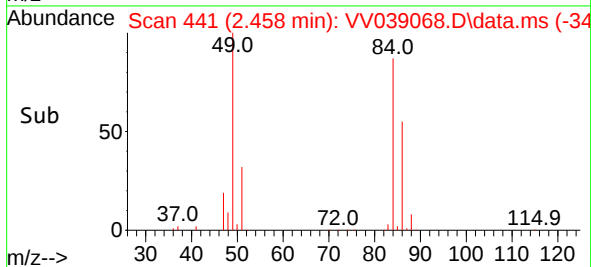
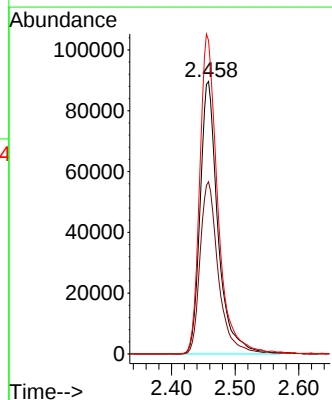
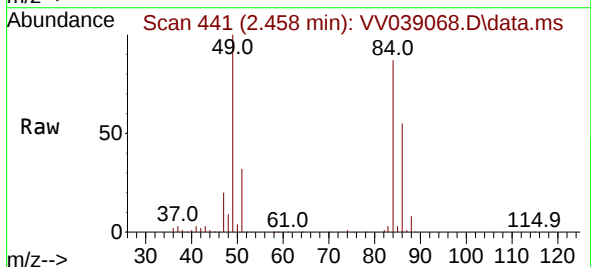
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

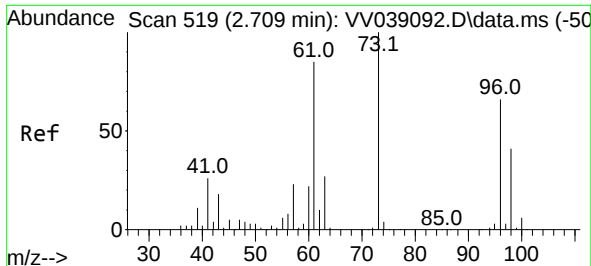
Tgt Ion: 43 Resp: 47261  
Ion Ratio Lower Upper  
43 100  
74 23.5 18.8 28.2



#16  
Methylene chloride  
Concen: 3.538 ug/L  
RT: 2.458 min Scan# 441  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 84 Resp: 174415  
Ion Ratio Lower Upper  
84 100  
86 63.2 44.2 82.2  
49 115.1 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 4.695 ug/L

RT: 2.712 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

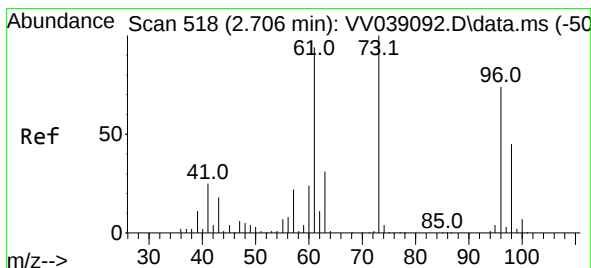
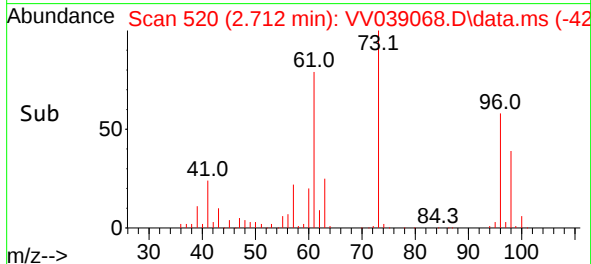
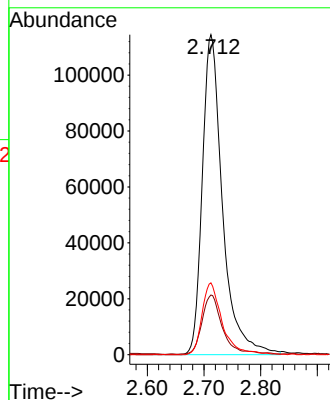
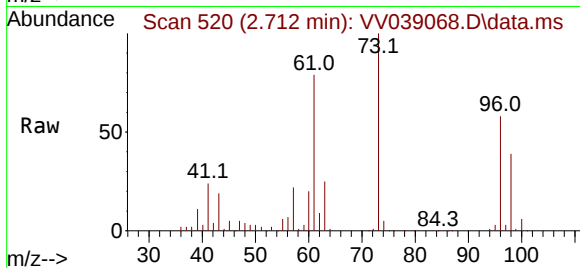
Tgt Ion: 73 Resp: 283547

Ion Ratio Lower Upper

73 100

43 18.4 14.7 22.1

57 22.5 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 4.820 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

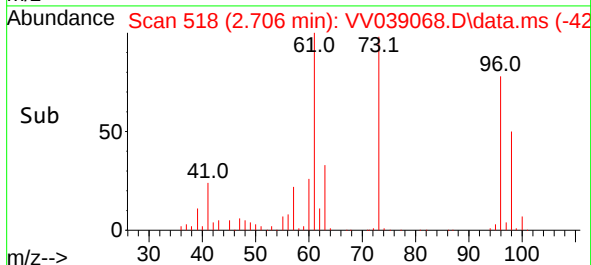
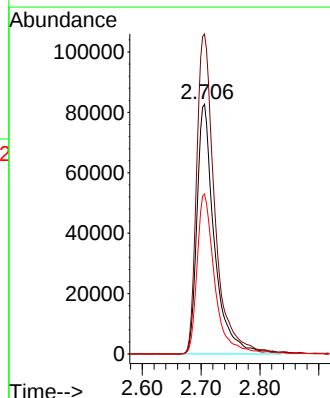
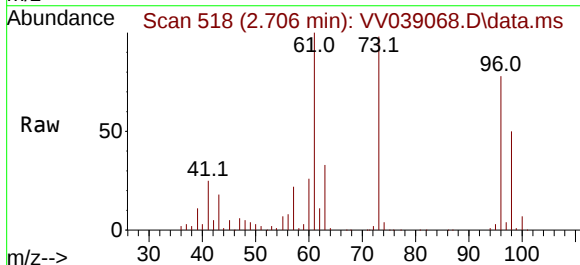
Tgt Ion: 96 Resp: 170528

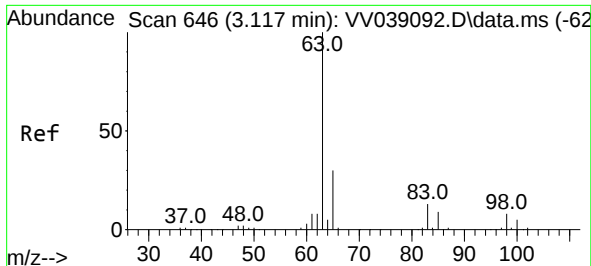
Ion Ratio Lower Upper

96 100

61 128.1 89.7 166.5

98 64.1 44.9 83.3





#19

1,1-Dichloroethane

Concen: 4.911 ug/L

RT: 3.120 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

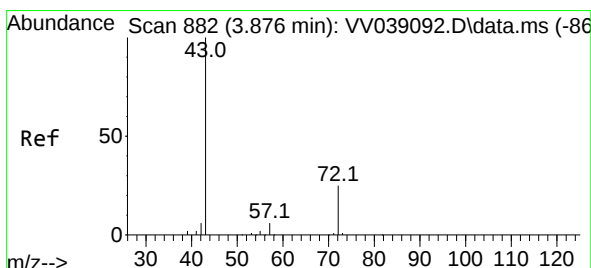
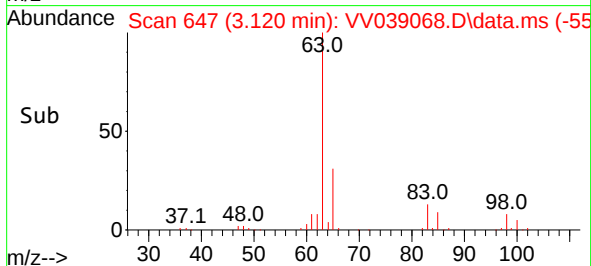
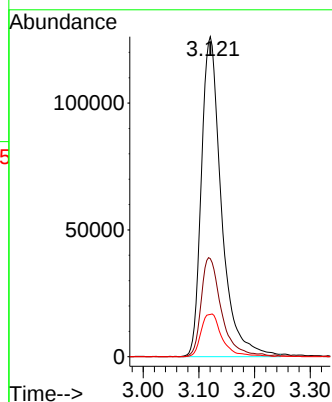
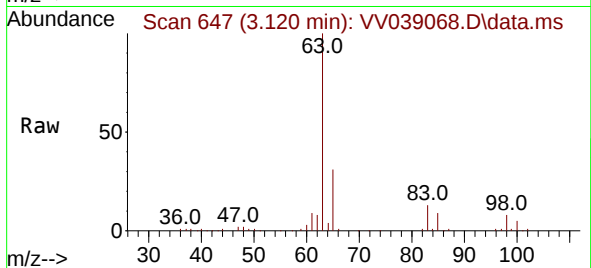
Tgt Ion: 63 Resp: 316665

Ion Ratio Lower Upper

63 100

65 30.7 21.5 39.9

83 13.2 9.2 17.2



#21

2-Butanone

Concen: 49.639 ug/L

RT: 3.889 min Scan# 886

Delta R.T. 0.000 min

Lab File: VV039068.D

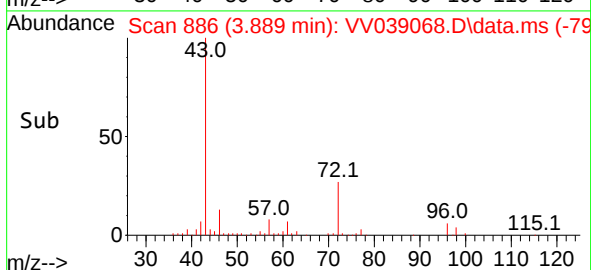
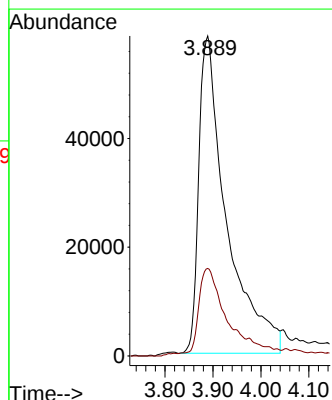
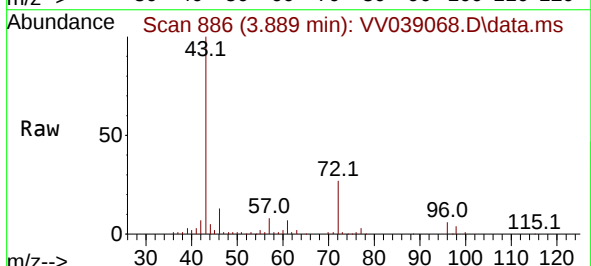
Acq: 15 Sep 2025 10:18

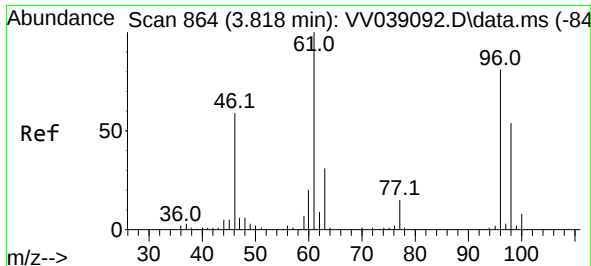
Tgt Ion: 43 Resp: 234689

Ion Ratio Lower Upper

43 100

72 24.0 12.0 36.0





#22

cis-1,2-Dichloroethene

Concen: 4.844 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

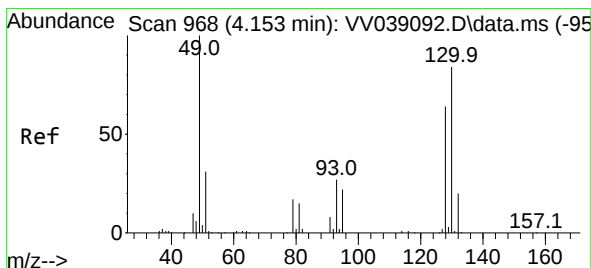
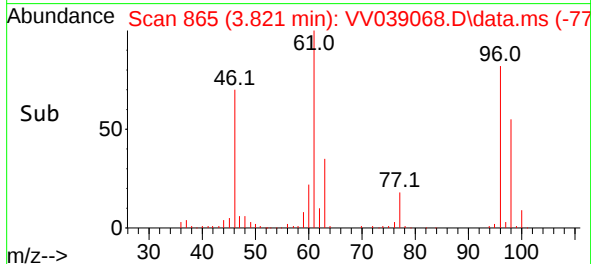
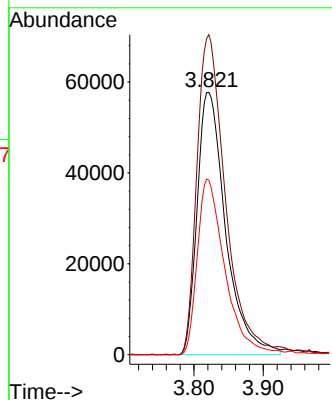
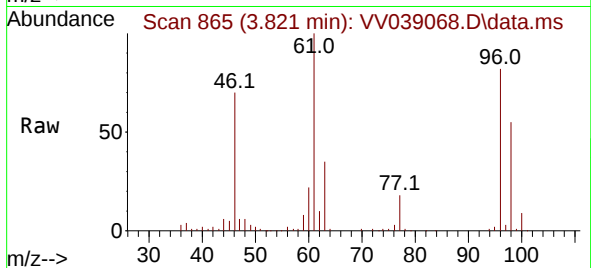
Tgt Ion: 96 Resp: 164910

Ion Ratio Lower Upper

96 100

61 122.0 85.4 158.6

98 66.6 46.6 86.6



#23

Bromochloromethane

Concen: 4.958 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Tgt Ion: 128 Resp: 75462

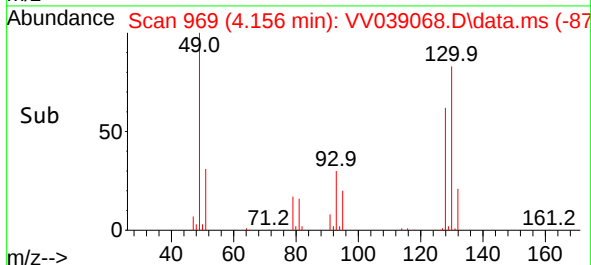
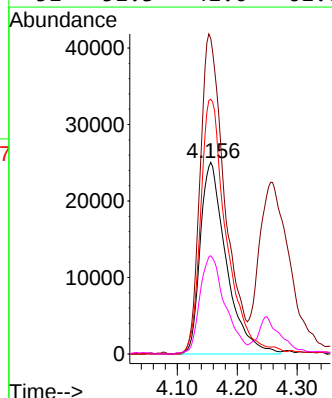
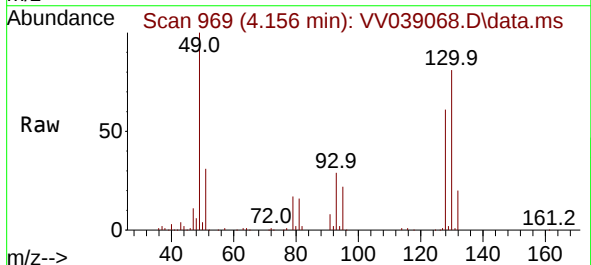
Ion Ratio Lower Upper

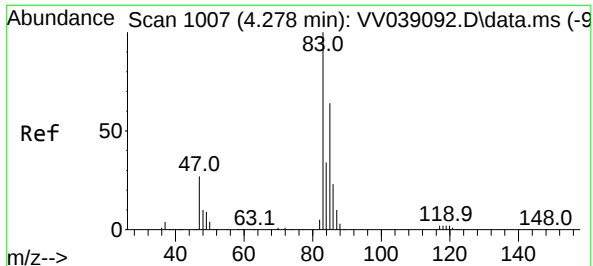
128 100

49 164.7 115.3 214.1

130 133.1 93.2 173.0

51 51.3 41.0 61.6





#25

Chloroform

Concen: 4.865 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

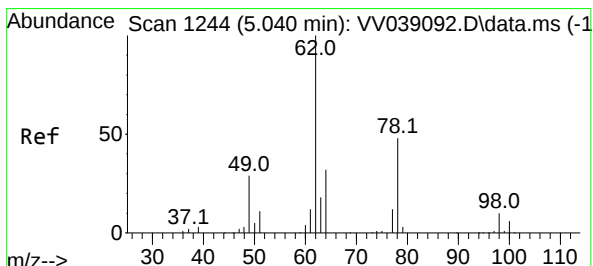
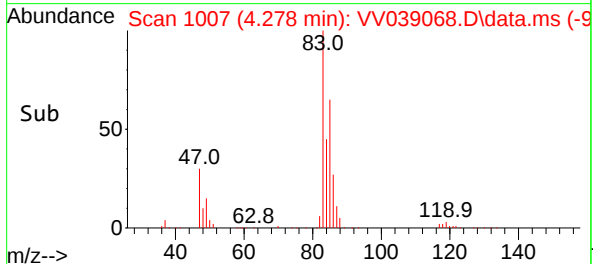
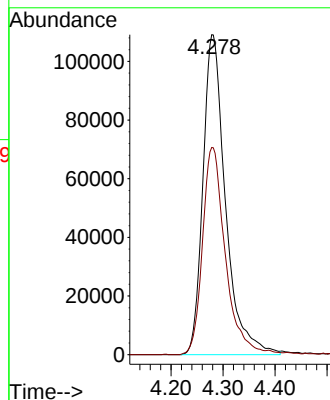
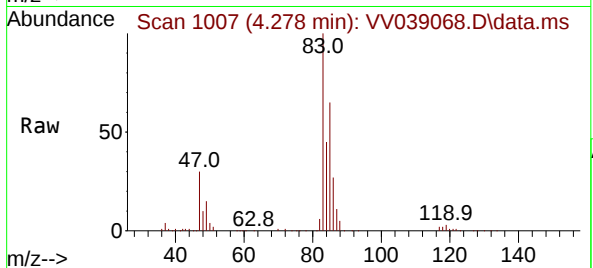
VSTD005255

Tgt Ion: 83 Resp: 328861

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.040 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV039068.D

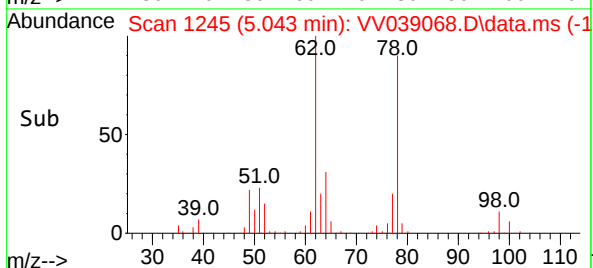
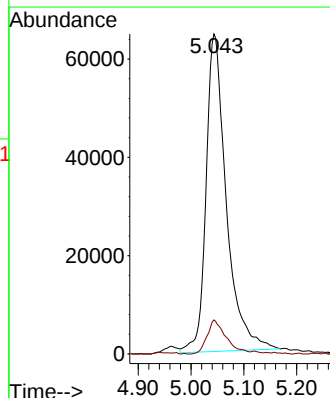
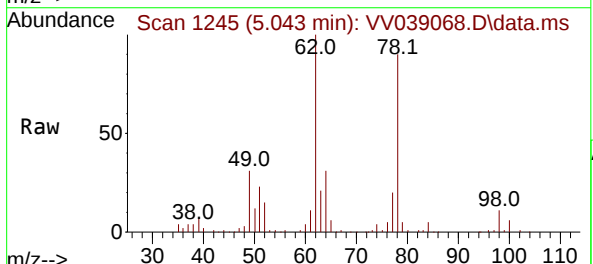
Acq: 15 Sep 2025 10:18

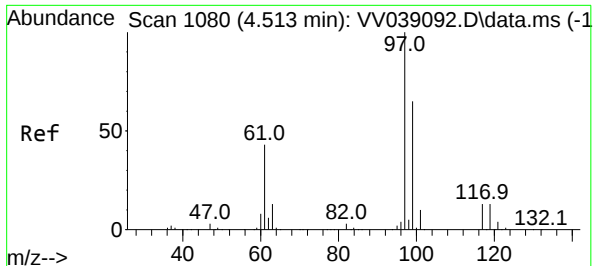
Tgt Ion: 62 Resp: 172228

Ion Ratio Lower Upper

62 100

98 10.7 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 4.703 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

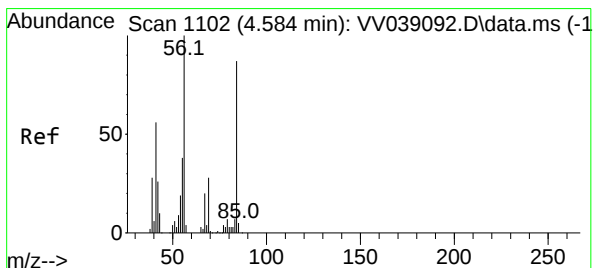
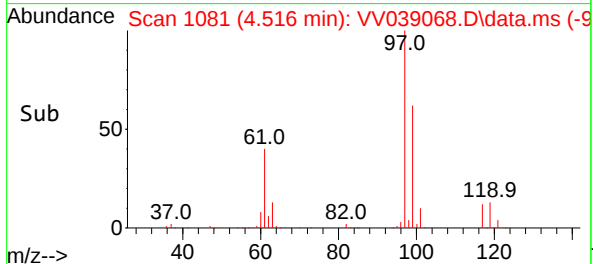
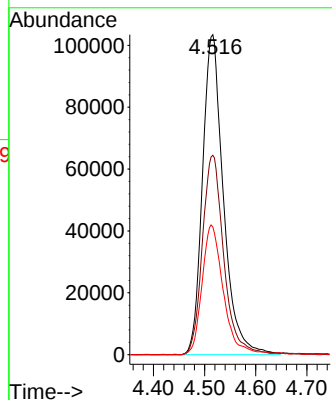
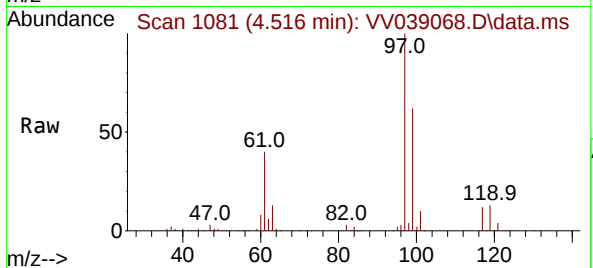
Tgt Ion: 97 Resp: 294568

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 41.1 32.9 49.3



#30

Cyclohexane

Concen: 4.721 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

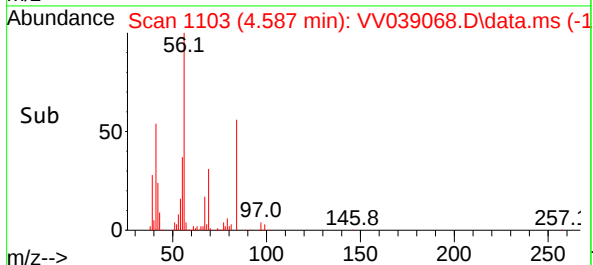
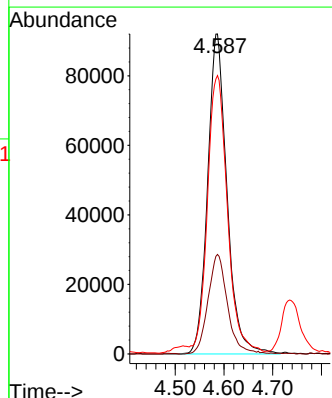
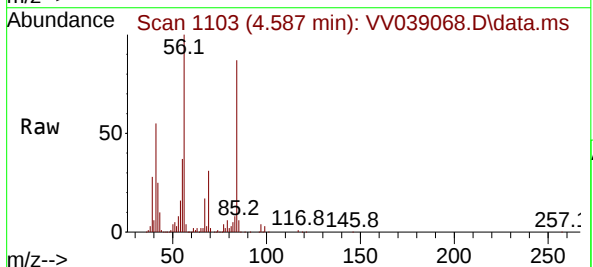
Tgt Ion: 56 Resp: 253739

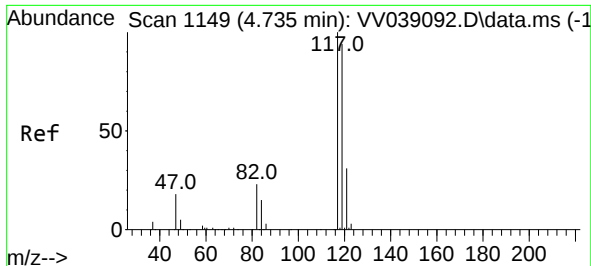
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 89.1 71.3 106.9

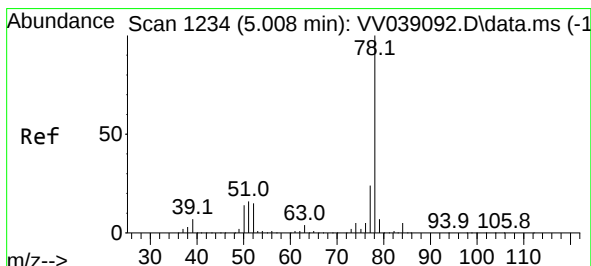
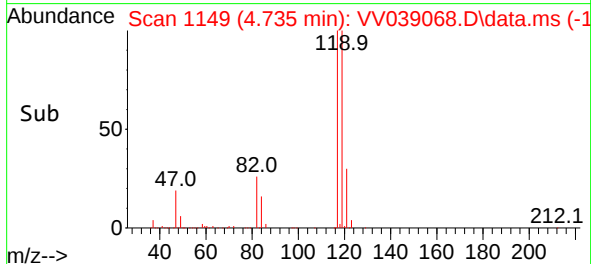
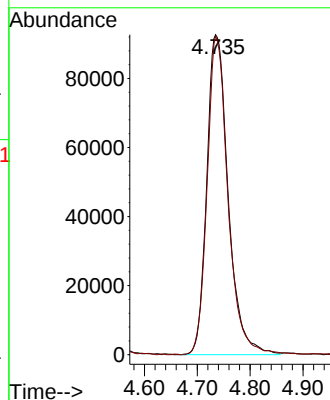
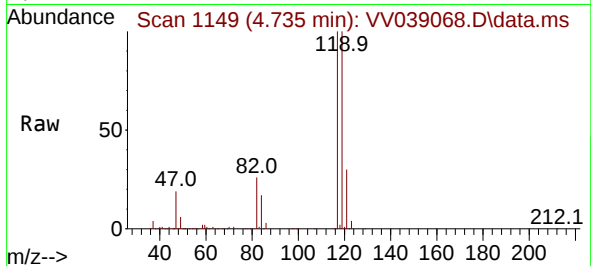




#31  
Carbon tetrachloride  
Concen: 4.825 ug/L  
RT: 4.735 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

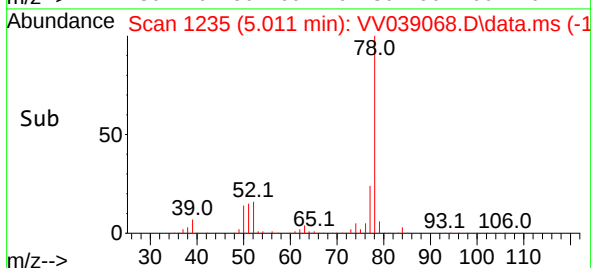
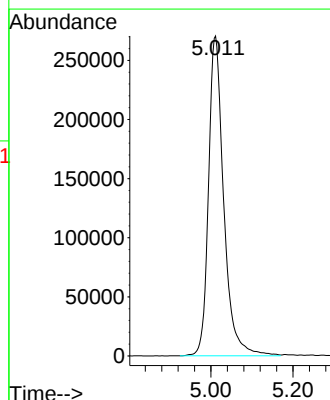
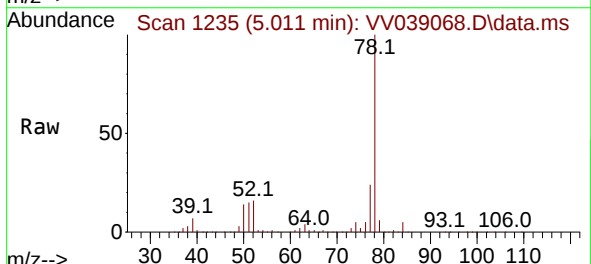
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

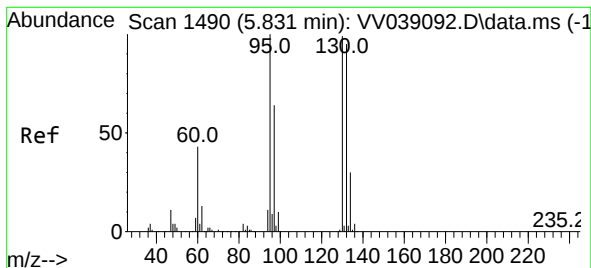
Tgt Ion:117 Resp: 261523  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.4 116.2



#33  
Benzene  
Concen: 5.027 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 78 Resp: 695774





#34

Trichloroethene

Concen: 4.731 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

Tgt Ion: 95 Resp: 176155

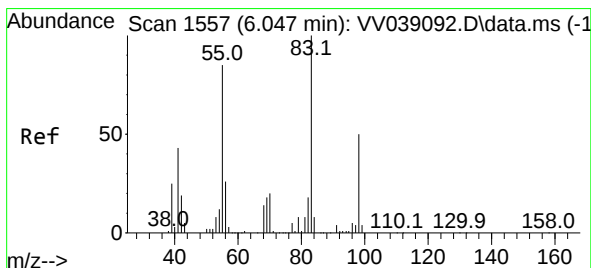
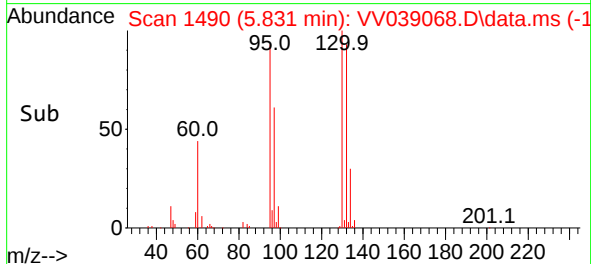
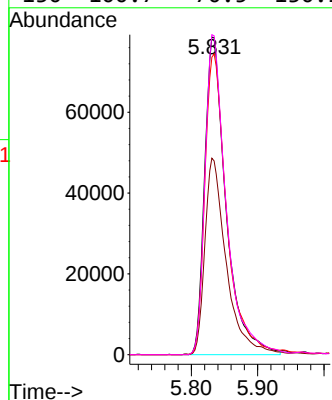
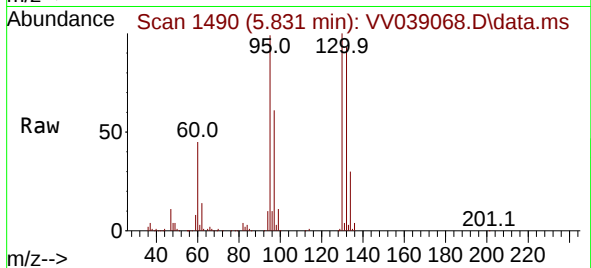
Ion Ratio Lower Upper

95 100

97 61.9 43.3 80.5

132 93.6 65.5 121.7

130 100.7 70.5 130.9



#35

Methylcyclohexane

Concen: 4.749 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

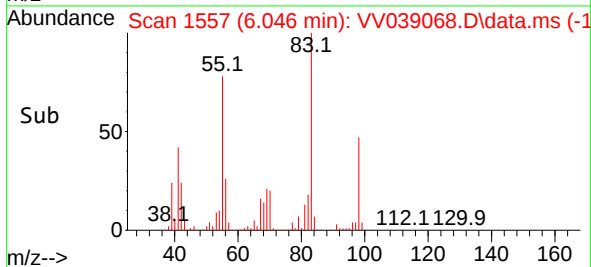
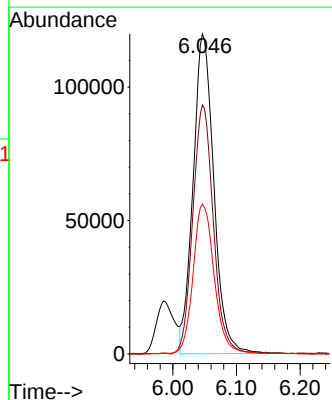
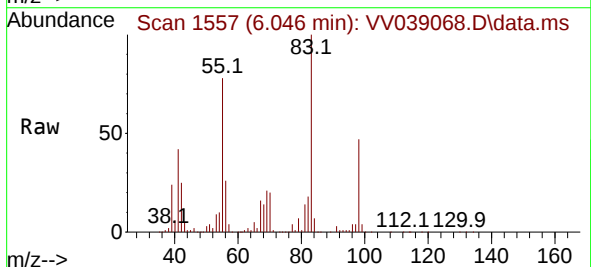
Tgt Ion: 83 Resp: 271437

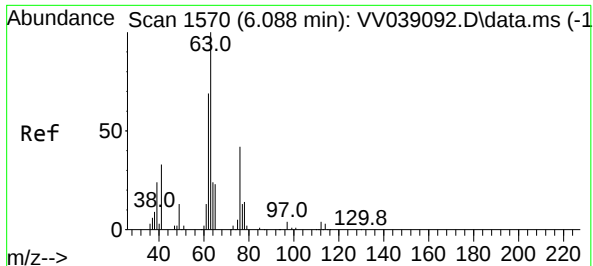
Ion Ratio Lower Upper

83 100

55 76.8 61.4 92.2

98 47.8 38.2 57.4

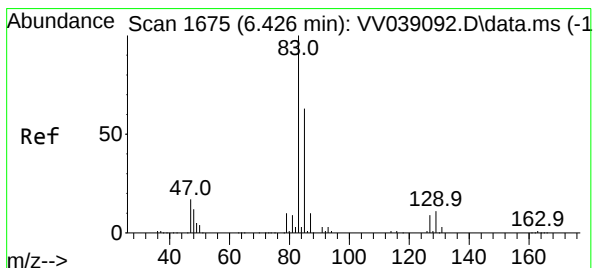
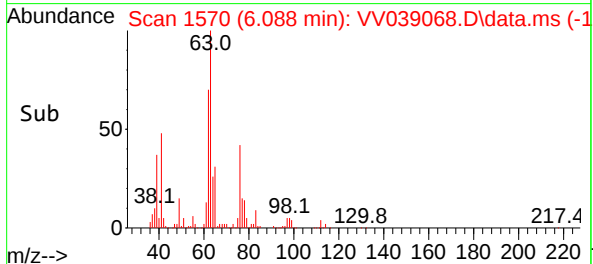
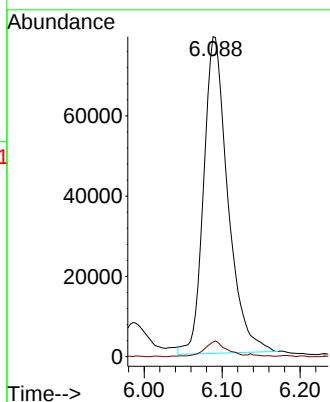
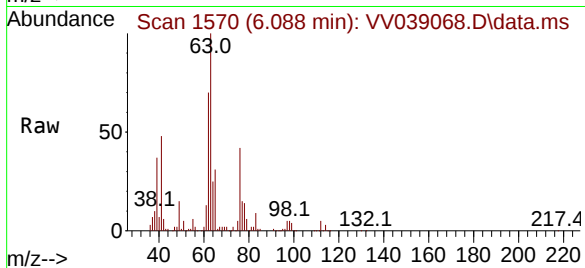




#37  
1,2-Dichloropropane  
Concen: 4.999 ug/L  
RT: 6.088 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

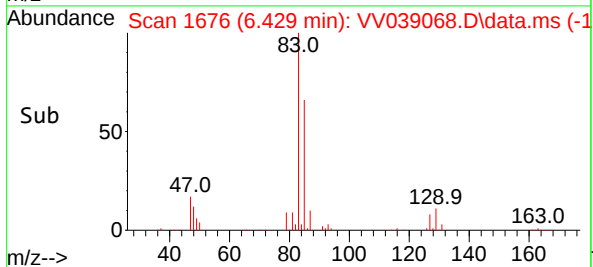
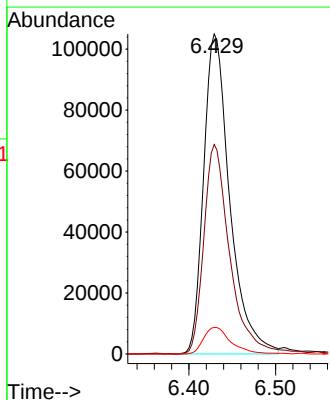
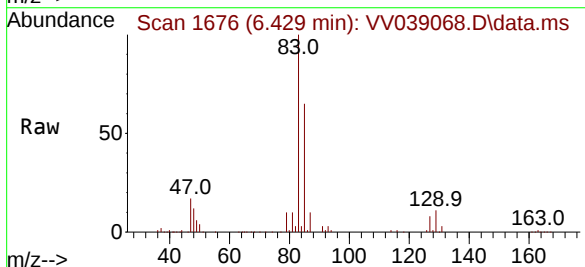
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

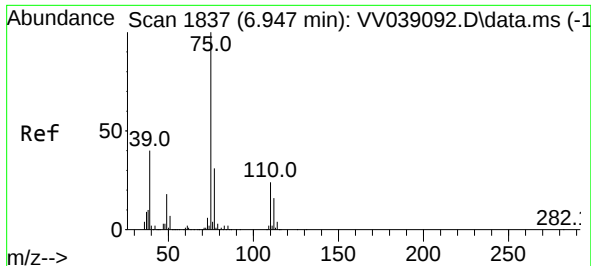
Tgt Ion: 63 Resp: 170506  
Ion Ratio Lower Upper  
63 100  
112 4.5 3.6 5.4



#38  
Bromodichloromethane  
Concen: 4.749 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 83 Resp: 220560  
Ion Ratio Lower Upper  
83 100  
85 65.5 45.8 85.2  
127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.730 ug/L

RT: 6.950 min Scan# 1837

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

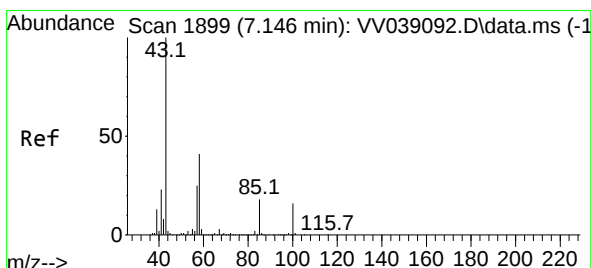
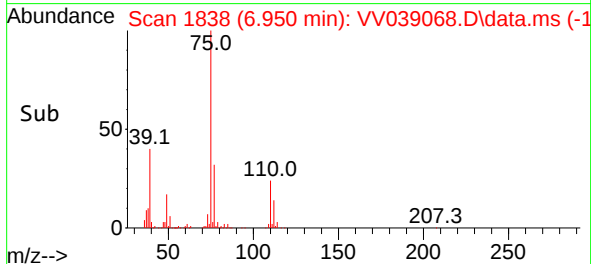
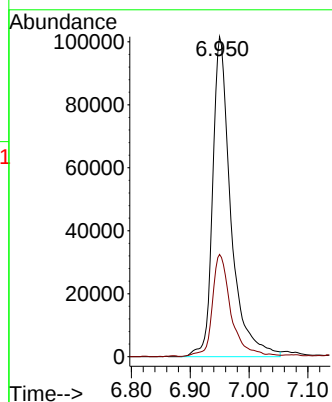
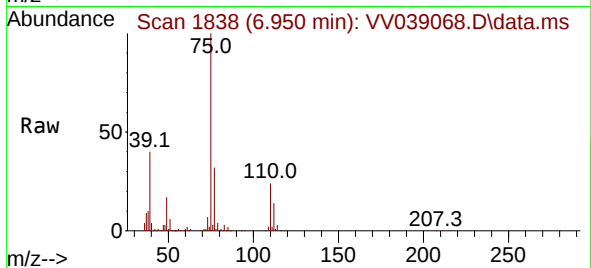
VSTD005255

Tgt Ion: 75 Resp: 218335

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 50.189 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

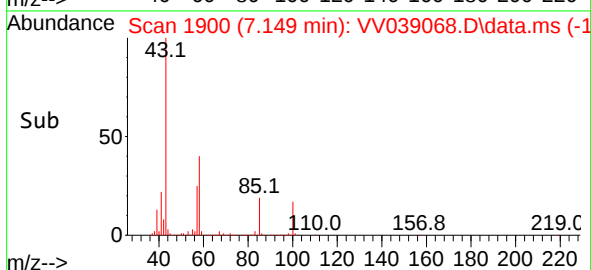
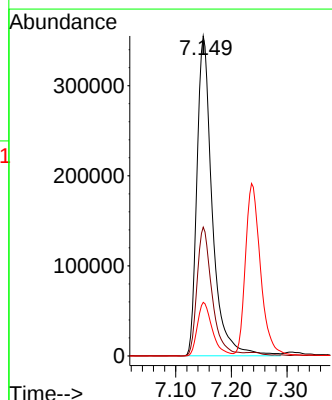
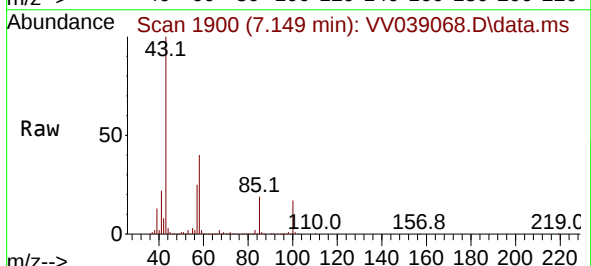
Tgt Ion: 43 Resp: 681036

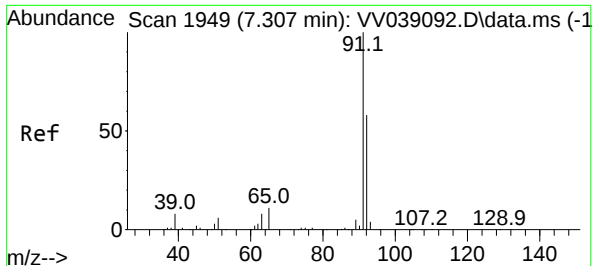
Ion Ratio Lower Upper

43 100

58 39.6 31.7 47.5

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.097 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

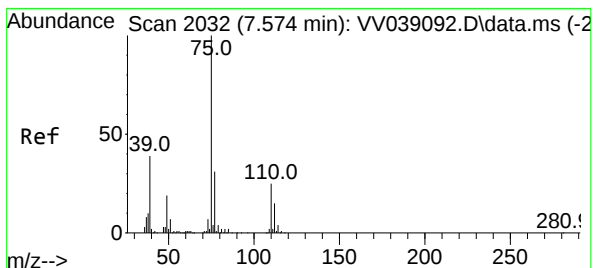
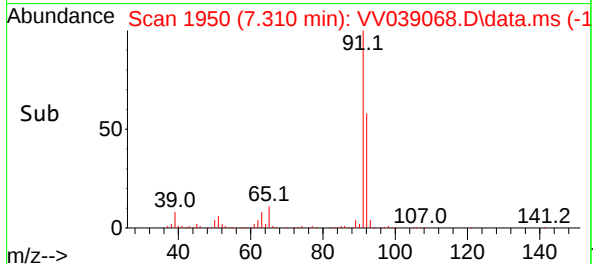
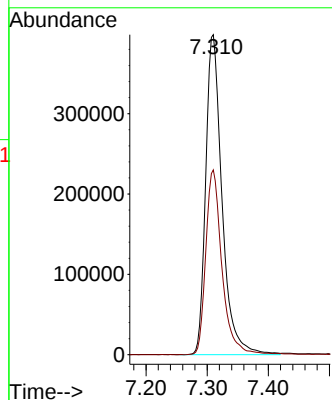
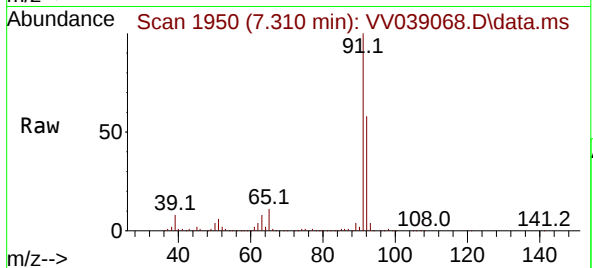
VSTD005255

Tgt Ion: 91 Resp: 738288

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.806 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV039068.D

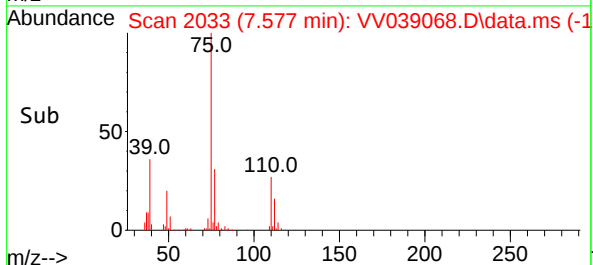
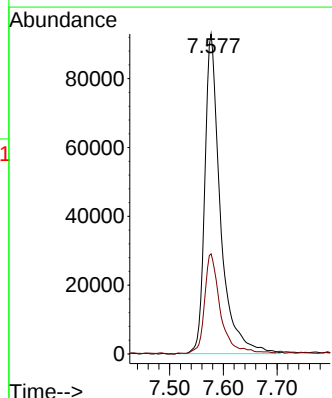
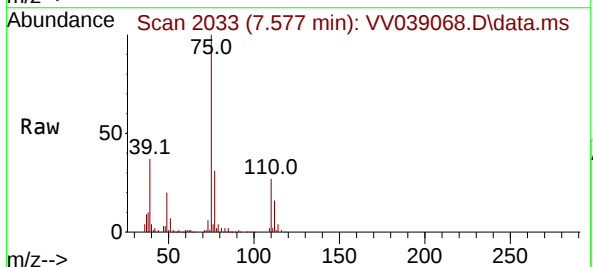
Acq: 15 Sep 2025 10:18

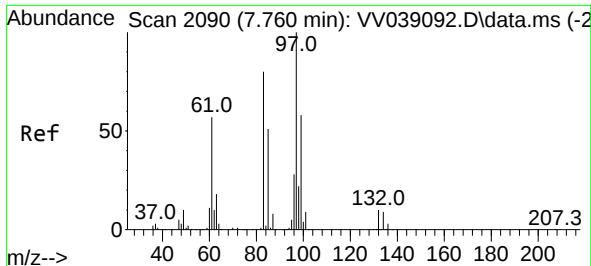
Tgt Ion: 75 Resp: 187160

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



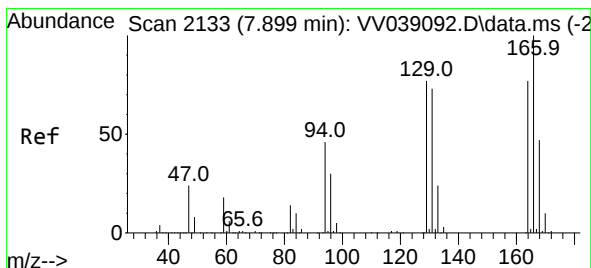
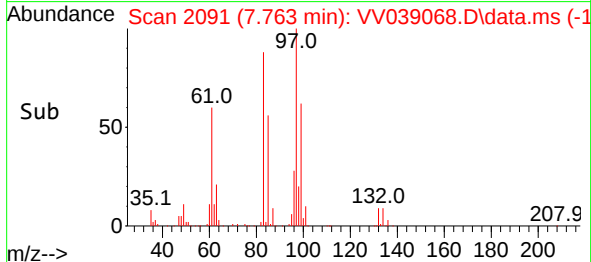
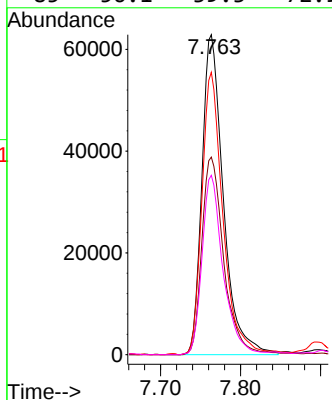
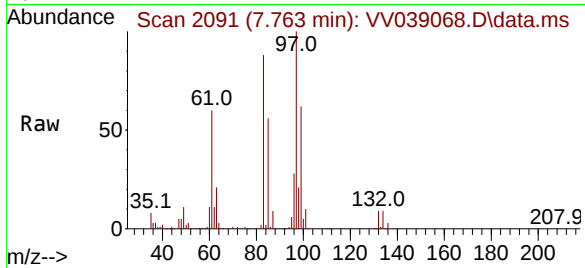


#45  
1,1,2-Trichloroethane  
Concen: 4.803 ug/L  
RT: 7.763 min Scan# 2090  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

Tgt Ion: 97 Resp: 117436

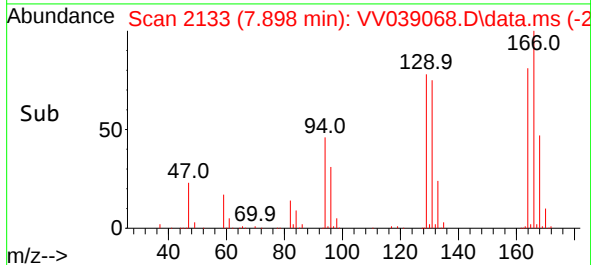
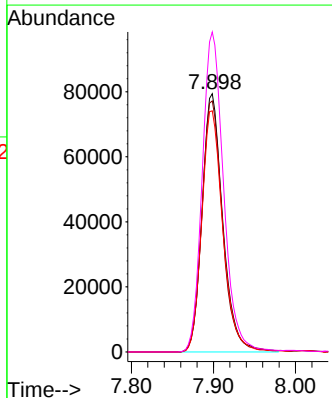
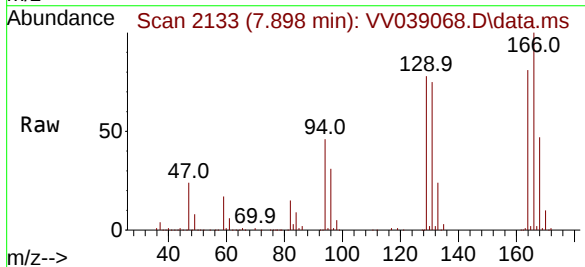
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.8  | 43.3  | 80.3  |
| 83  | 88.2  | 61.7  | 114.7 |
| 85  | 56.1  | 39.3  | 72.9  |

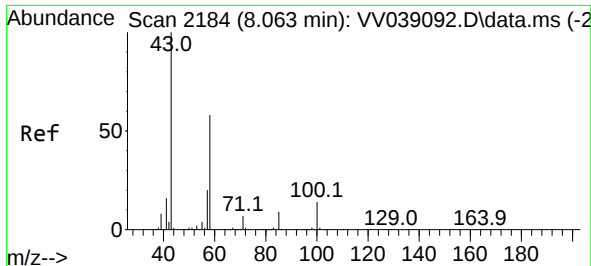


#47  
Tetrachloroethene  
Concen: 4.841 ug/L  
RT: 7.898 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 164 Resp: 139177

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.2  | 68.0  | 126.4 |
| 131 | 93.4  | 65.4  | 121.4 |
| 166 | 123.9 | 86.7  | 161.1 |

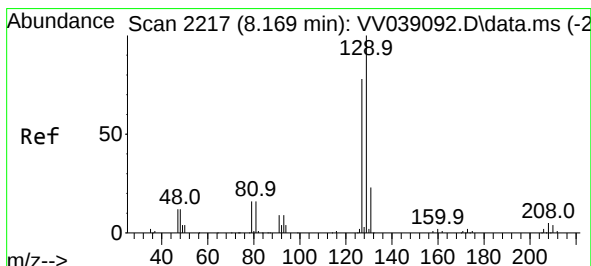
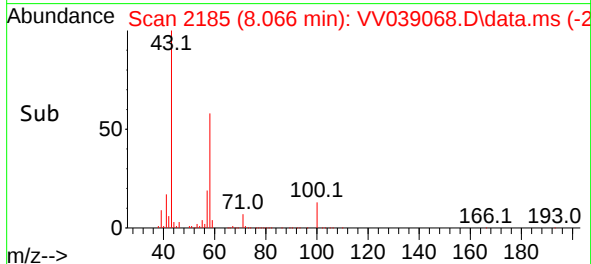
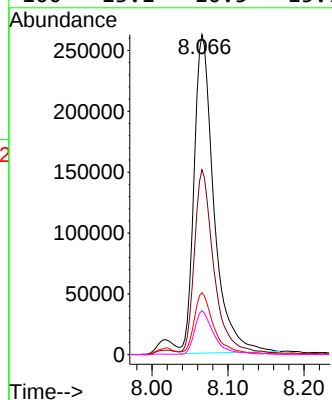
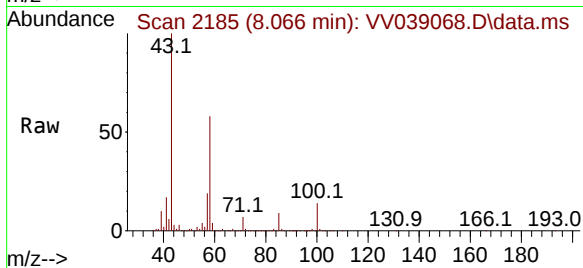




#48  
2-Hexanone  
Concen: 52.988 ug/L  
RT: 8.066 min Scan# 2184  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

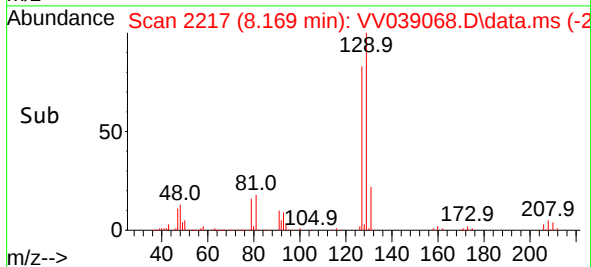
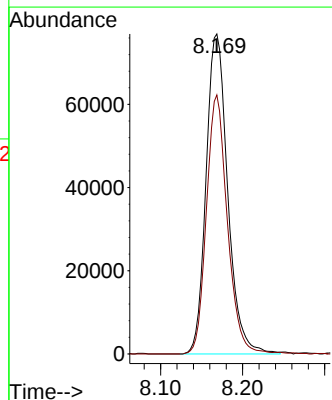
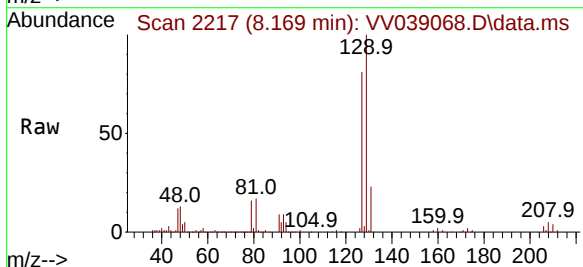
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

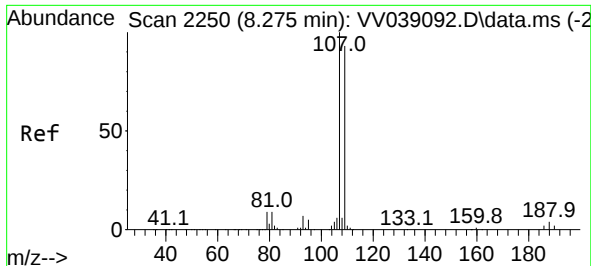
Tgt Ion: 43 Resp: 474246  
Ion Ratio Lower Upper  
43 100  
58 57.0 45.6 68.4  
57 19.5 15.6 23.4  
100 13.1 10.5 15.7



#49  
Dibromochloromethane  
Concen: 4.826 ug/L  
RT: 8.169 min Scan# 2217  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 129 Resp: 141428  
Ion Ratio Lower Upper  
129 100  
127 81.0 56.7 105.3

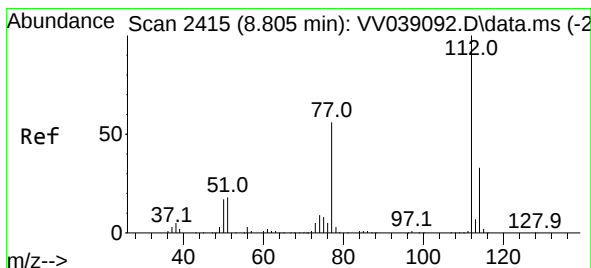
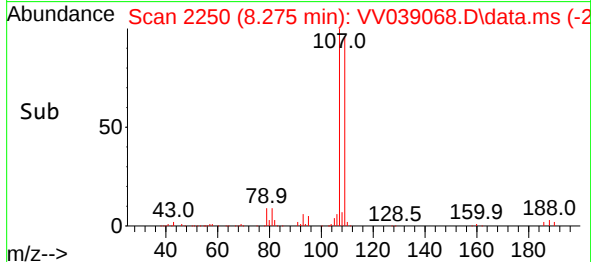
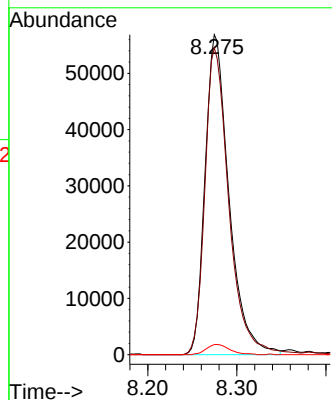
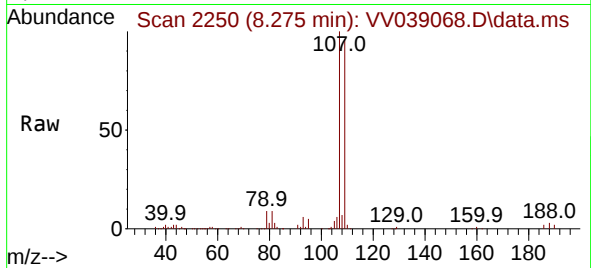




#50  
 1,2-Dibromoethane  
 Concen: 4.776 ug/L  
 RT: 8.275 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

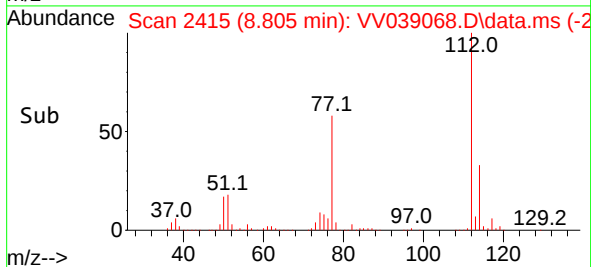
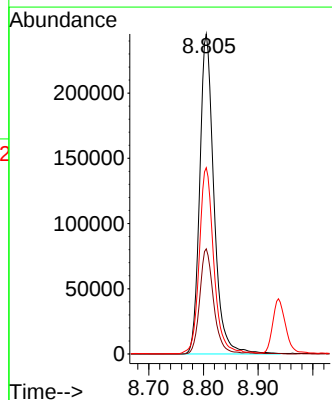
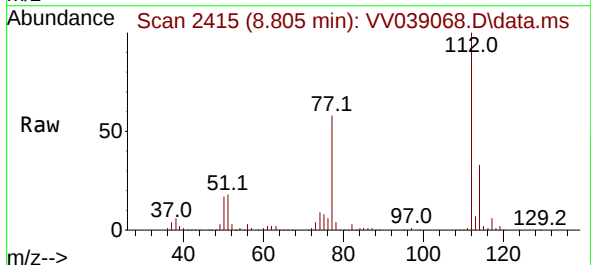
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005255

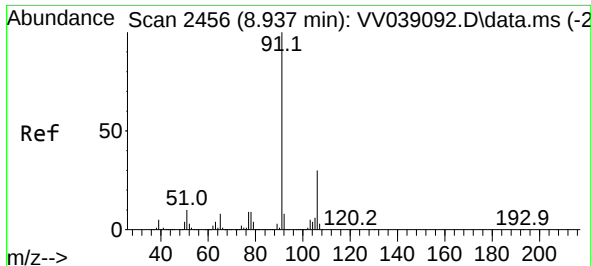
Tgt Ion:107 Resp: 106243  
 Ion Ratio Lower Upper  
 107 100  
 109 95.9 67.1 124.7  
 188 3.1 2.5 3.7



#51  
 Chlorobenzene  
 Concen: 4.685 ug/L  
 RT: 8.805 min Scan# 2415  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

Tgt Ion:112 Resp: 442581  
 Ion Ratio Lower Upper  
 112 100  
 114 32.8 23.0 42.6  
 77 58.2 46.6 69.8

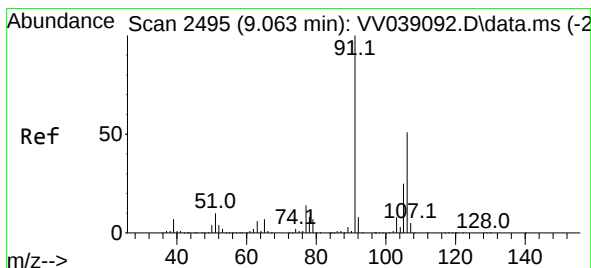
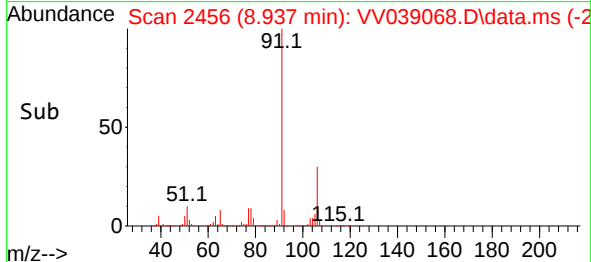
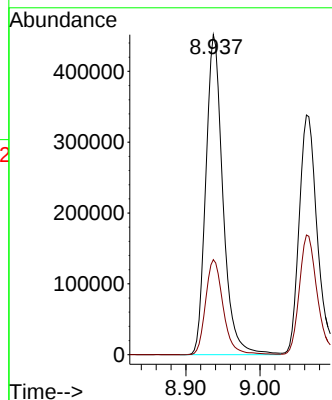
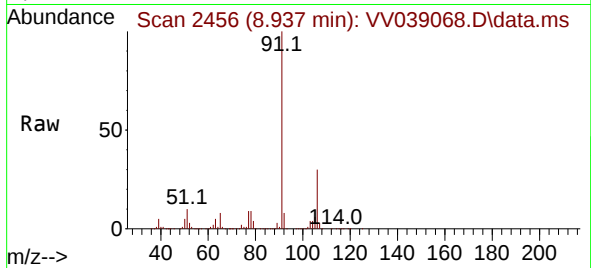




#52  
Ethylbenzene  
Concen: 4.799 ug/L  
RT: 8.937 min Scan# 2456  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

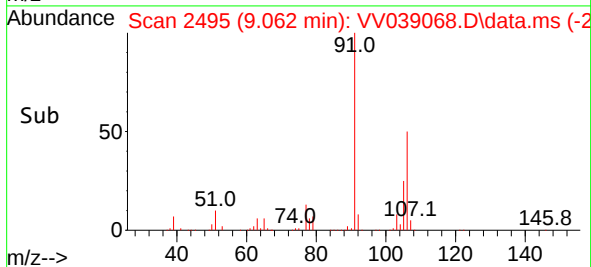
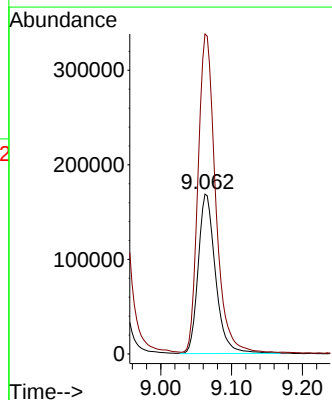
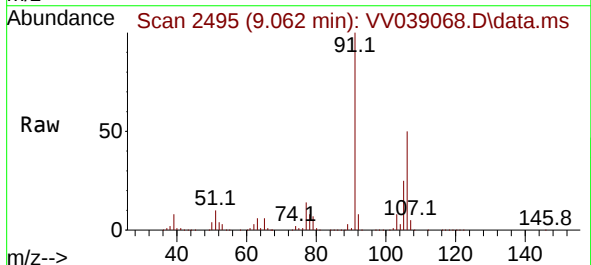
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

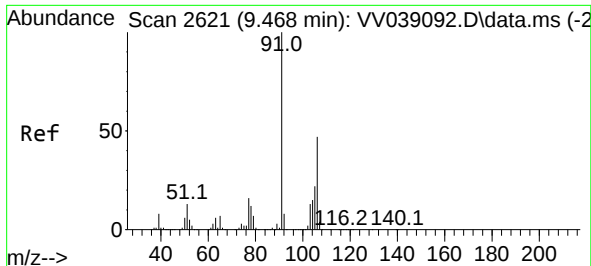
Tgt Ion: 91 Resp: 721023  
Ion Ratio Lower Upper  
91 100  
106 29.7 20.8 38.6



#53  
m,p-Xylene  
Concen: 4.900 ug/L  
RT: 9.062 min Scan# 2495  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 106 Resp: 285493  
Ion Ratio Lower Upper  
106 100  
91 200.2 140.1 260.3

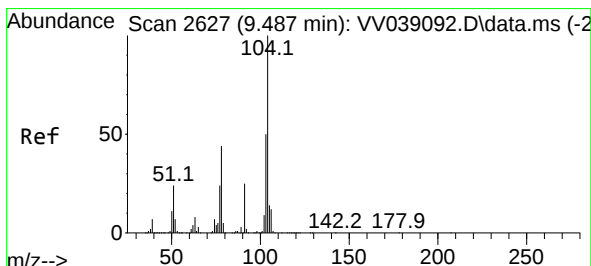
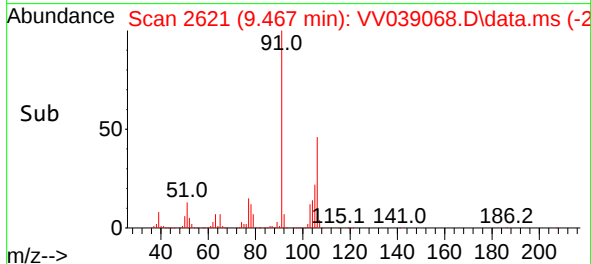
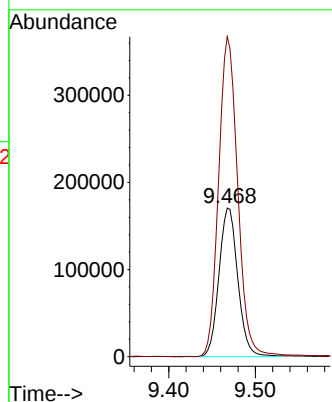
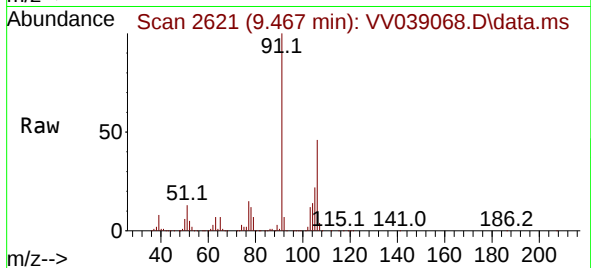




#54  
o-Xylene  
Concen: 4.891 ug/L  
RT: 9.467 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

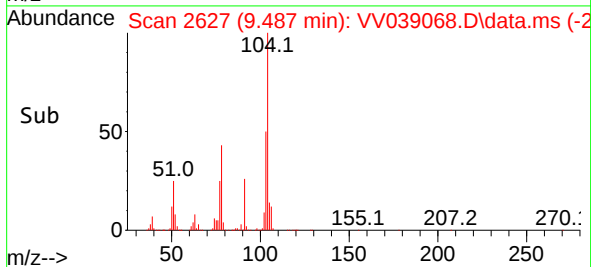
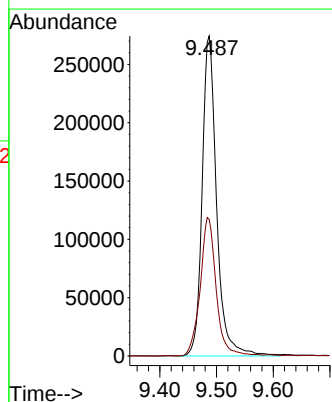
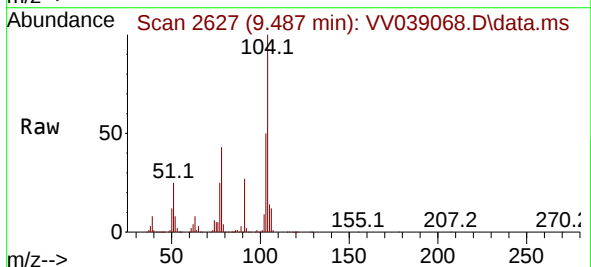
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

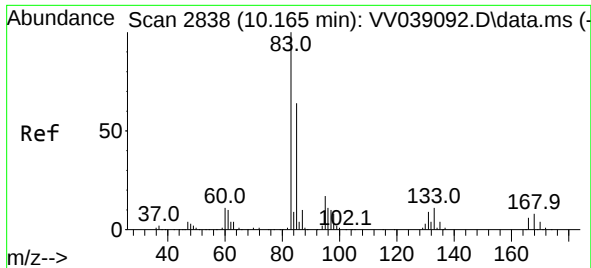
Tgt Ion:106 Resp: 257923  
Ion Ratio Lower Upper  
106 100  
91 215.3 150.7 279.9



#55  
Styrene  
Concen: 5.303 ug/L  
RT: 9.487 min Scan# 2627  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion:104 Resp: 486783  
Ion Ratio Lower Upper  
104 100  
78 42.7 29.9 55.5

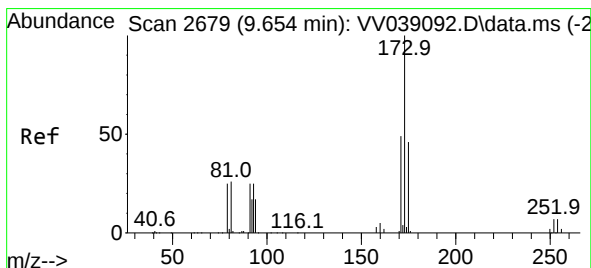
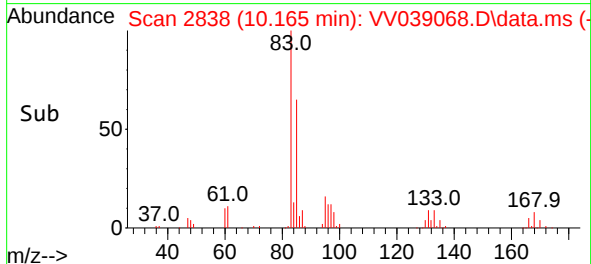
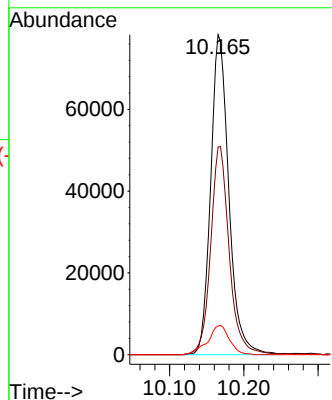
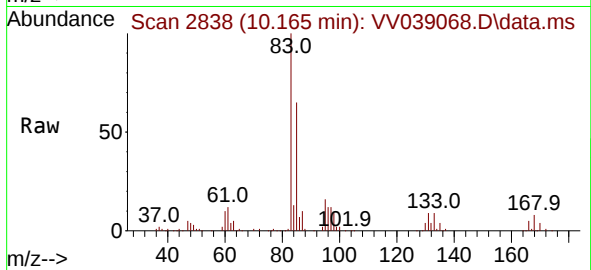




#57  
1,1,2,2-Tetrachloroethane  
Concen: 4.708 ug/L  
RT: 10.165 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

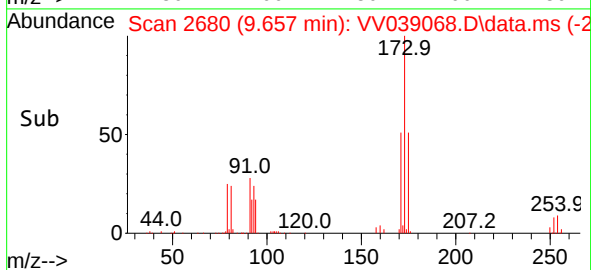
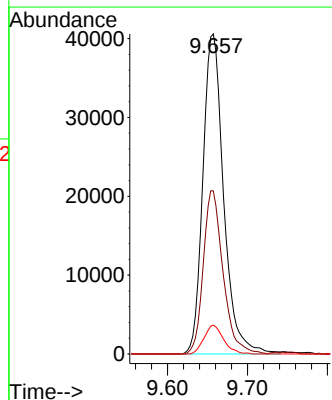
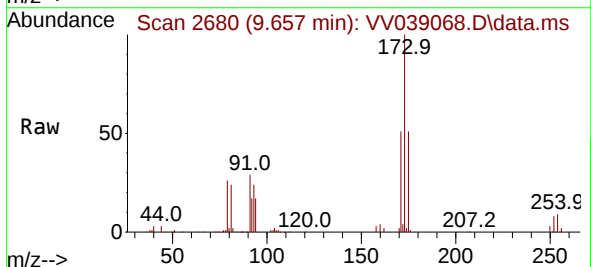
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

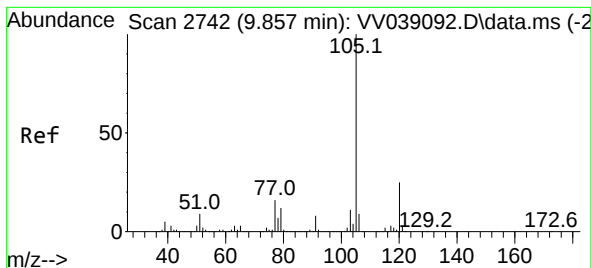
Tgt Ion: 83 Resp: 132817  
Ion Ratio Lower Upper  
83 100  
85 64.9 45.4 84.4  
131 9.0 7.2 10.8



#59  
Bromoform  
Concen: 4.660 ug/L  
RT: 9.657 min Scan# 2680  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion: 173 Resp: 73505  
Ion Ratio Lower Upper  
173 100  
175 48.5 38.8 58.2  
254 8.5 6.8 10.2





#60

Isopropylbenzene

Concen: 4.683 ug/L

RT: 9.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

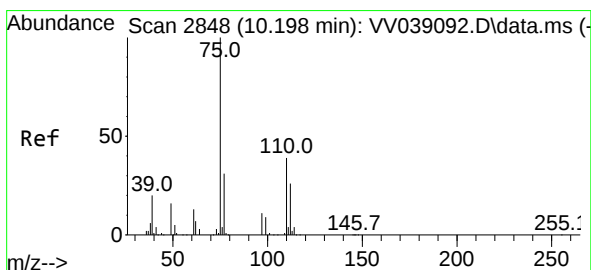
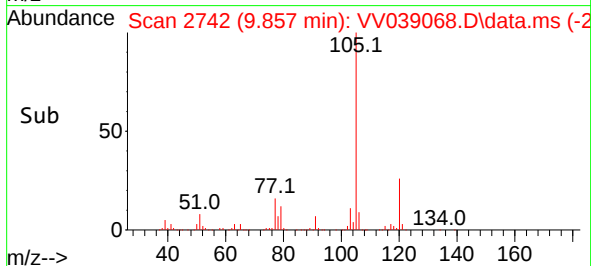
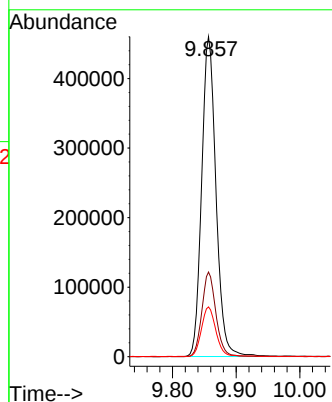
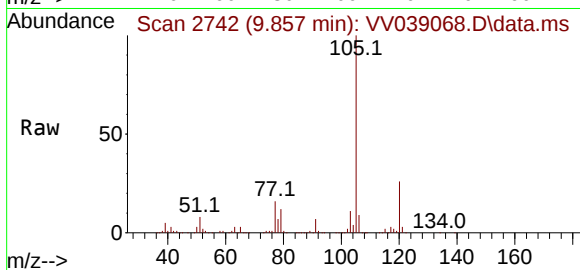
Tgt Ion:105 Resp: 718573

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

77 15.6 12.5 18.7



#61

1,2,3-Trichloropropane

Concen: 4.362 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

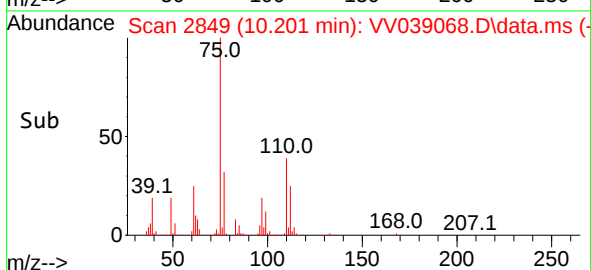
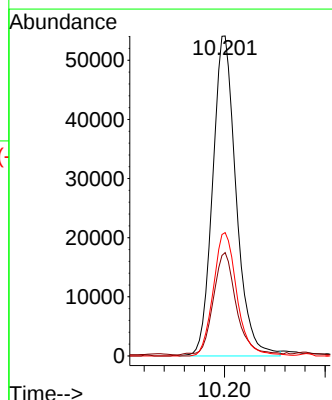
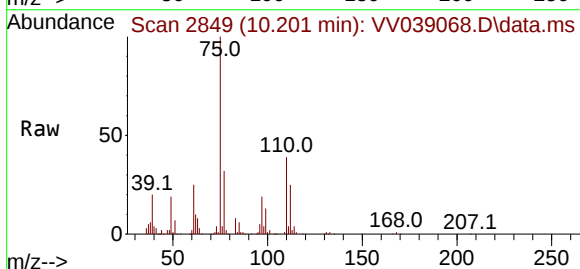
Tgt Ion: 75 Resp: 87875

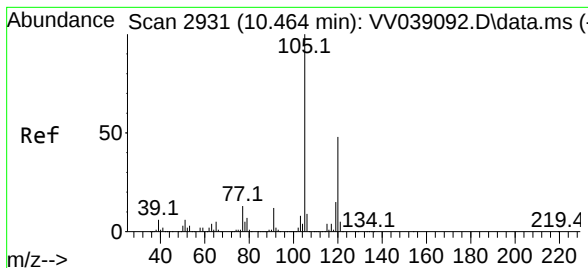
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

110 38.7 31.0 46.4

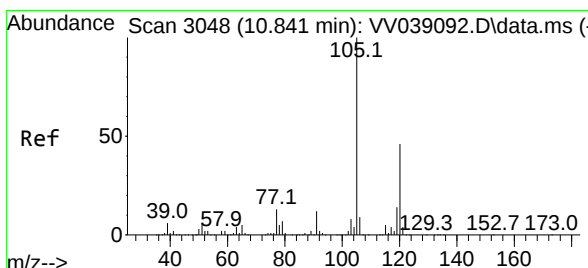
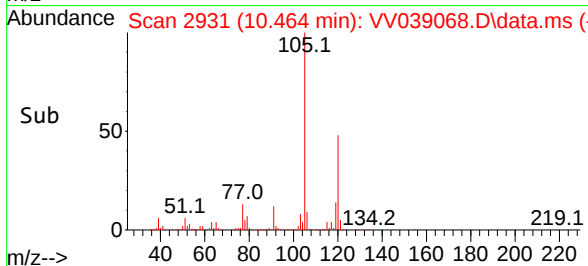
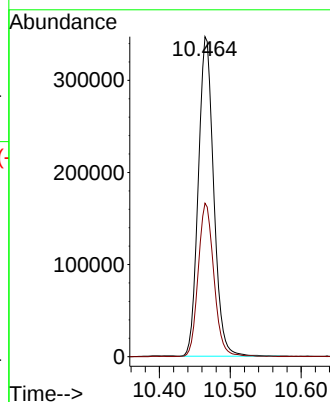
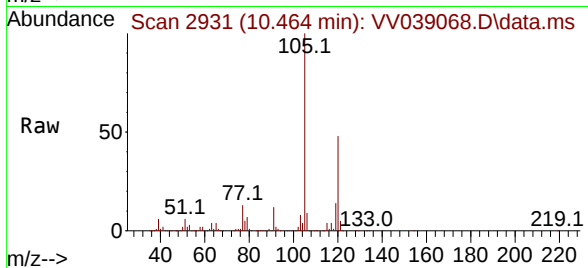




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.479 ug/L  
 RT: 10.464 min Scan# 2931  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

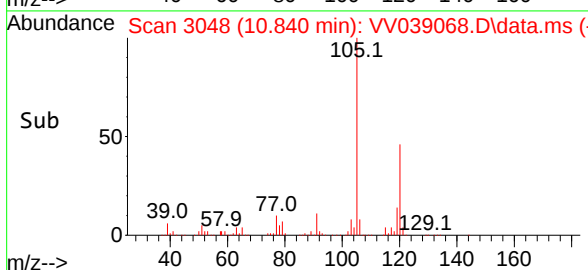
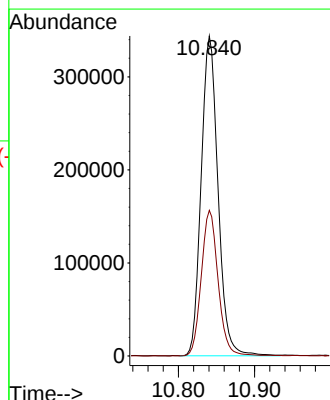
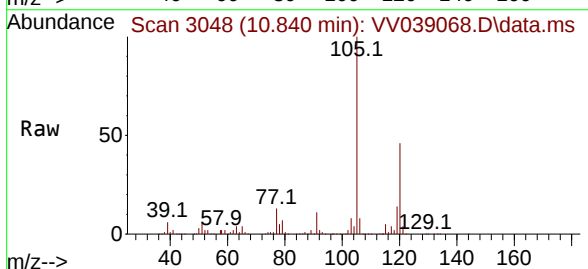
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005255

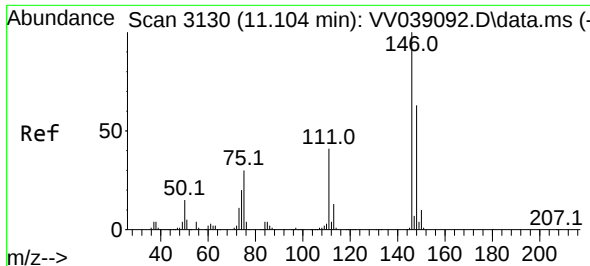
Tgt Ion:105 Resp: 522850  
 Ion Ratio Lower Upper  
 105 100  
 120 48.9 39.1 58.7



#63  
 1,2,4-Trimethylbenzene  
 Concen: 4.661 ug/L  
 RT: 10.840 min Scan# 3048  
 Delta R.T. 0.000 min  
 Lab File: VV039068.D  
 Acq: 15 Sep 2025 10:18

Tgt Ion:105 Resp: 527943  
 Ion Ratio Lower Upper  
 105 100  
 120 45.7 36.6 54.8

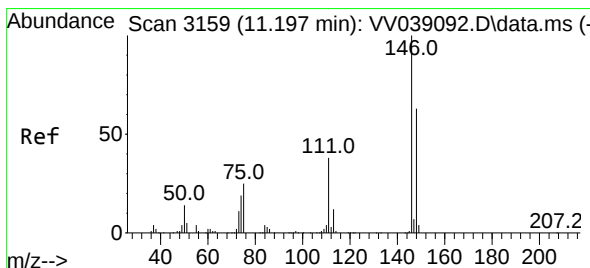
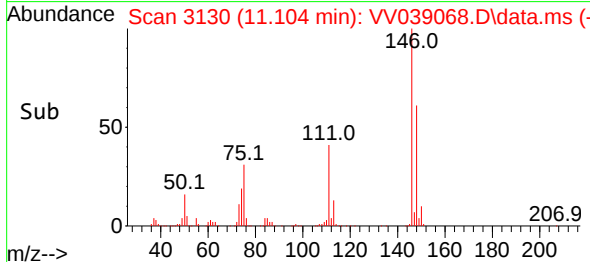
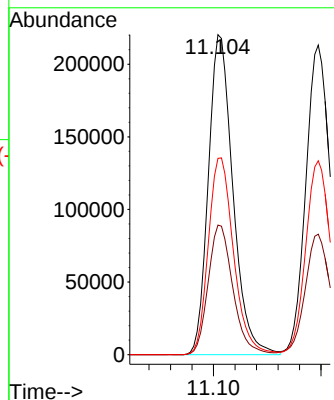
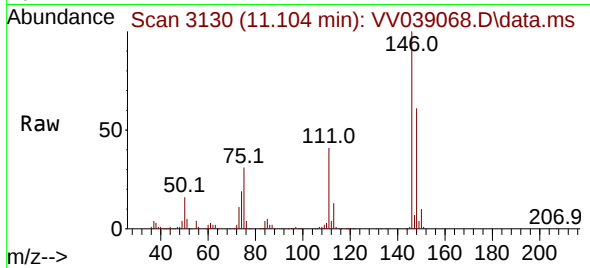




#64  
1,3-Dichlorobenzene  
Concen: 4.768 ug/L  
RT: 11.104 min Scan# 3130  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

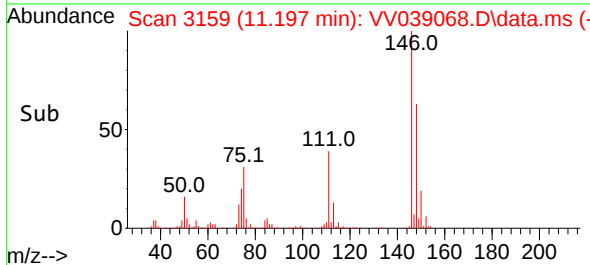
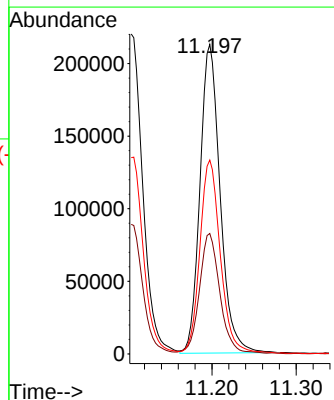
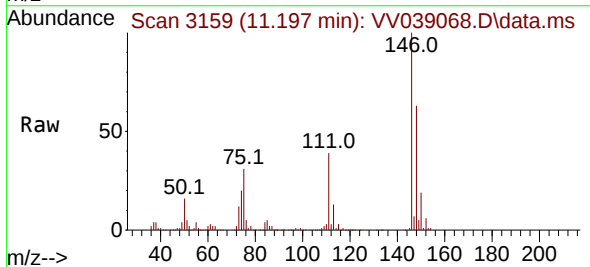
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

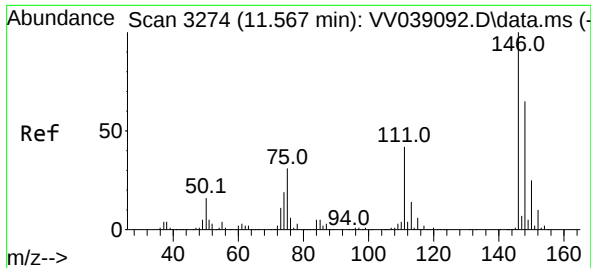
Tgt Ion:146 Resp: 349905  
Ion Ratio Lower Upper  
146 100  
111 40.5 28.3 52.7  
148 61.3 42.9 79.7



#65  
1,4-Dichlorobenzene  
Concen: 4.690 ug/L  
RT: 11.197 min Scan# 3159  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion:146 Resp: 354612  
Ion Ratio Lower Upper  
146 100  
111 38.9 27.2 50.6  
148 62.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 4.645 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

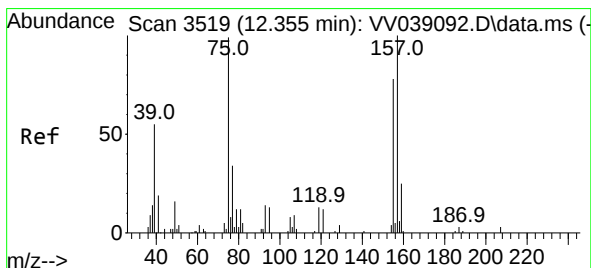
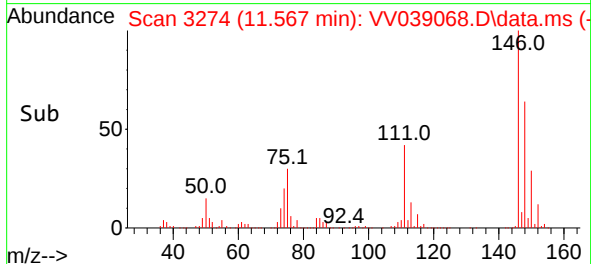
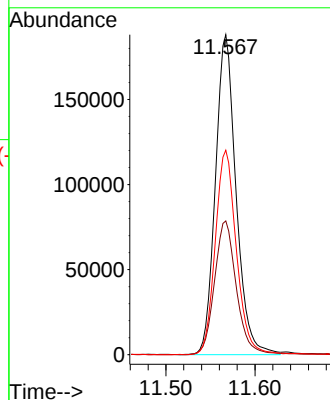
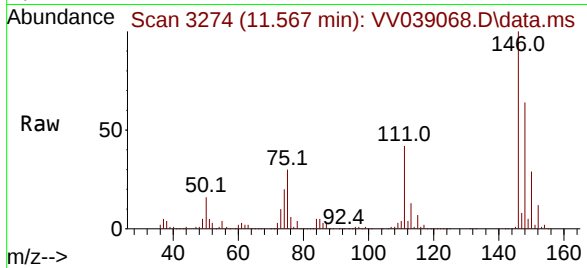
Tgt Ion:146 Resp: 303622

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.2

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.491 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

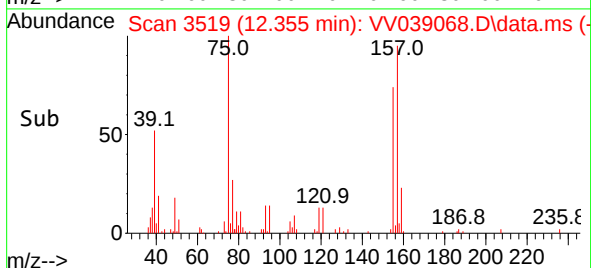
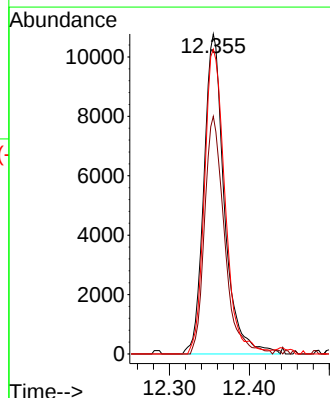
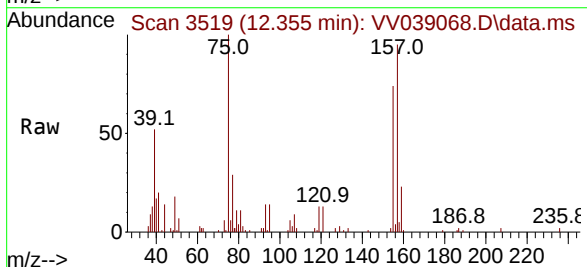
Tgt Ion: 75 Resp: 19171

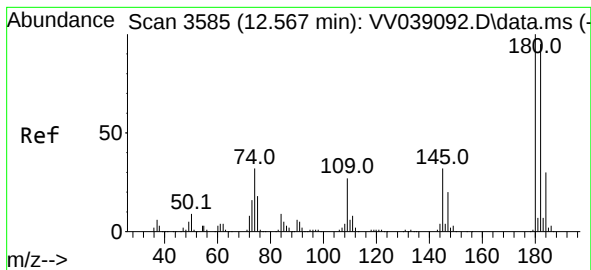
Ion Ratio Lower Upper

75 100

155 74.2 59.4 89.0

157 95.2 76.2 114.2





#69

1,3,5-Trichlorobenzene

Concen: 4.647 ug/L

RT: 12.570 min Scan# 3585

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

Instrument :

MSVOA\_V

ClientSampleId :

VSTD005255

Tgt Ion:180 Resp: 216955

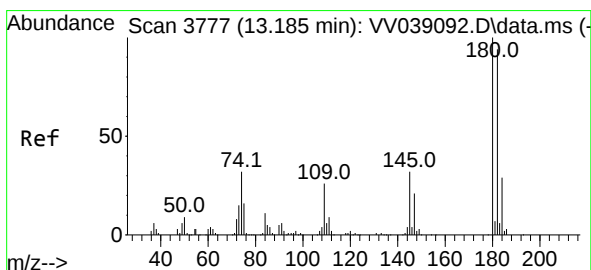
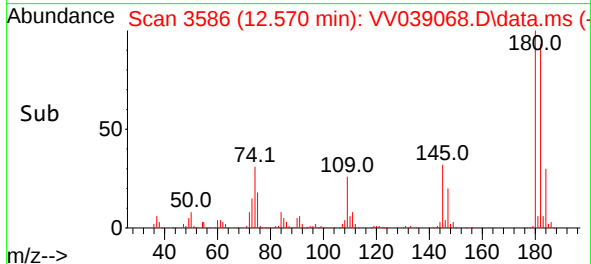
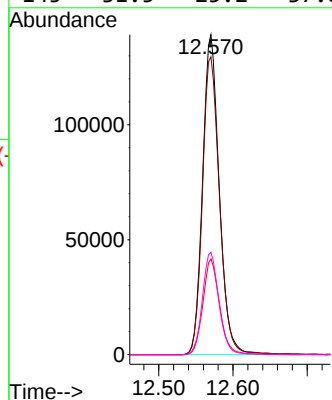
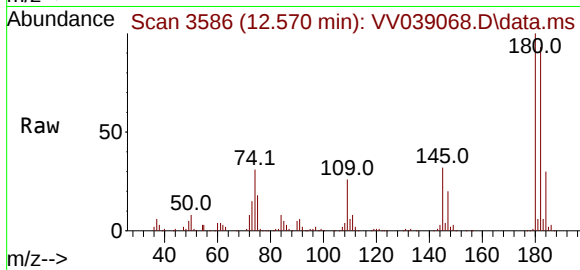
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 30.0 24.0 36.0

145 31.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.618 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.000 min

Lab File: VV039068.D

Acq: 15 Sep 2025 10:18

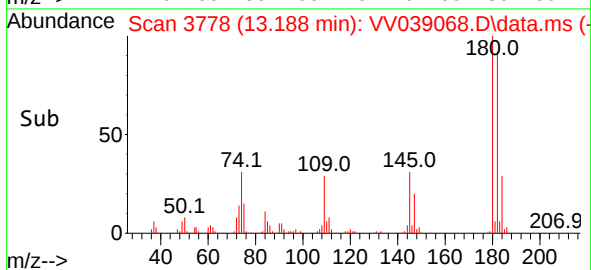
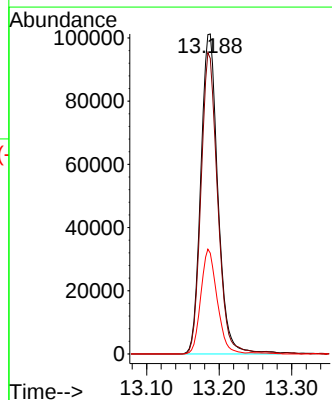
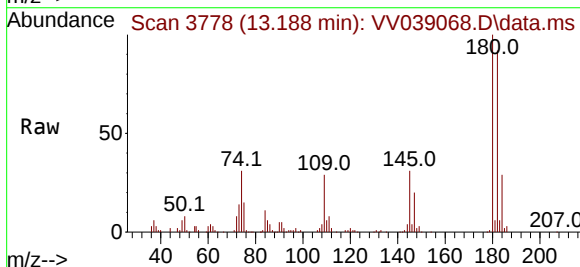
Tgt Ion:180 Resp: 165813

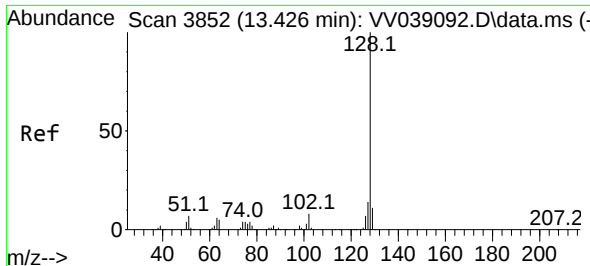
Ion Ratio Lower Upper

180 100

182 91.5 73.2 109.8

145 31.2 25.0 37.4

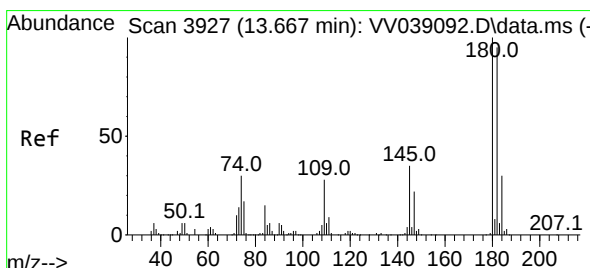
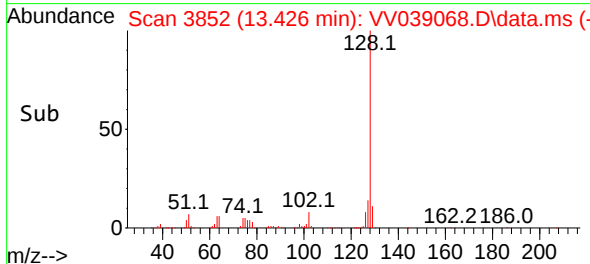
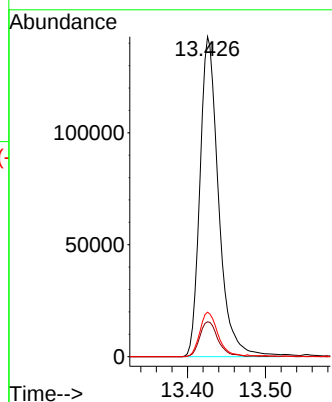
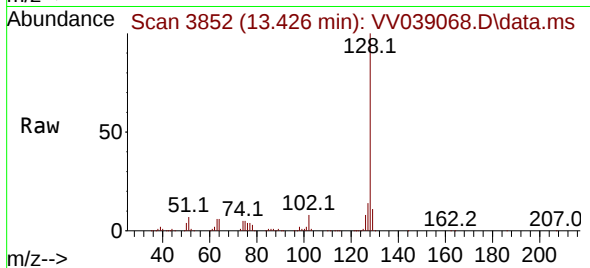




#71  
Naphthalene  
Concen: 4.282 ug/L  
RT: 13.426 min Scan# 3852  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005255

Tgt Ion:128 Resp: 238100  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.5 10.8 16.2



#72  
1,2,3-Trichlorobenzene  
Concen: 4.580 ug/L  
RT: 13.667 min Scan# 3927  
Delta R.T. 0.000 min  
Lab File: VV039068.D  
Acq: 15 Sep 2025 10:18

Tgt Ion:180 Resp: 146981  
Ion Ratio Lower Upper  
180 100  
182 95.8 76.6 115.0  
145 34.3 27.4 41.2

