

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV080825\  
 Data File : VV038933.D  
 Acq On : 08 Aug 2025 14:06  
 Operator : SY/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

Quant Time: Aug 11 05:09:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V080825W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 11 04:47:10 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 4.593  | 168   | 500864   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.529  | 114   | 845842   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.773  | 117   | 783845   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.172 | 152   | 365062   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 4.953  | 65    | 5189     | 0.720    | ug/l   | 0.02     |
| Spiked Amount                | 50.000 | Range | 81 - 118 | Recovery | =      | 1.440%#  |
| 35) Dibromofluoromethane     | 4.503  | 113   | 6963     | 1.085    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 80 - 119 | Recovery | =      | 2.180%#  |
| 50) Toluene-d8               | 7.249  | 98    | 19630    | 0.883    | ug/l   | 0.02     |
| Spiked Amount                | 50.000 | Range | 89 - 112 | Recovery | =      | 1.760%#  |
| 62) 4-Bromofluorobenzene     | 10.018 | 95    | 7718     | 0.964    | ug/l   | 0.02     |
| Spiked Amount                | 50.000 | Range | 85 - 114 | Recovery | =      | 1.920%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.121  | 85    | 3557     | 1.056    | ug/l   | 98       |
| 3) Chloromethane             | 1.230  | 50    | 3845     | 1.196    | ug/l # | 79       |
| 4) Vinyl Chloride            | 1.294  | 62    | 4420     | 1.119    | ug/l   | 98       |
| 5) Bromomethane              | 1.500  | 94    | 4643     | 1.499    | ug/l   | 84       |
| 6) Chloroethane              | 1.555  | 64    | 3247     | 1.143    | ug/l # | 81       |
| 7) Trichlorofluoromethane    | 1.725  | 101   | 8484     | 1.084    | ug/l   | 95       |
| 8) Diethyl Ether             | 1.918  | 74    | 3364     | 1.153    | ug/l   | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 2.079  | 101   | 5665     | 1.133    | ug/l   | 91       |
| 10) Methyl Iodide            | 2.195  | 142   | 3815     | 4.101    | ug/l # | 91       |
| 11) Tert butyl alcohol       | 2.568  | 59    | 7630     | 6.263    | ug/l # | 82       |
| 12) 1,1-Dichloroethene       | 2.082  | 96    | 4740     | 1.144    | ug/l   | 96       |
| 13) Acrolein                 | 2.011  | 56    | 8777     | 9.178    | ug/l   | 98       |
| 14) Allyl chloride           | 2.359  | 41    | 8427     | 1.163    | ug/l   | 94       |
| 15) Acrylonitrile            | 2.680  | 53    | 19501    | 6.063    | ug/l   | 90       |
| 16) Acetone                  | 2.124  | 43    | 16417    | 6.349    | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.253  | 76    | 7578     | 1.133    | ug/l # | 90       |
| 18) Methyl Acetate           | 2.381  | 43    | 6709     | 1.295    | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 2.709  | 73    | 19271    | 1.131    | ug/l # | 91       |
| 20) Methylene Chloride       | 2.452  | 84    | 9863     | 0.946    | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 2.700  | 96    | 5660     | 1.257    | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.220  | 45    | 14112    | 0.963    | ug/l # | 60       |
| 23) Vinyl Acetate            | 3.201  | 43    | 54762    | 5.033    | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.118  | 63    | 10059    | 1.071    | ug/l   | 93       |
| 25) 2-Butanone               | 3.915  | 43    | 8292     | 2.523    | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 3.809  | 77    | 8771     | 1.054    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 3.828  | 96    | 5839     | 1.076    | ug/l   | 88       |
| 28) Bromochloromethane       | 4.162  | 49    | 3598     | 0.527    | ug/l # | 94       |
| 30) Chloroform               | 4.278  | 83    | 11216    | 1.097    | ug/l   | 99       |
| 31) Cyclohexane              | 4.587  | 56    | 15304    | 2.645    | ug/l # | 32       |
| 32) 1,1,1-Trichloroethane    | 4.513  | 97    | 9249     | 1.052    | ug/l # | 39       |
| 36) 1,1-Dichloropropene      | 4.757  | 75    | 3975     | 0.702    | ug/l   | 94       |
| 37) Ethyl Acetate            | 3.941  | 43    | 3824     | 0.515    | ug/l # | 67       |
| 38) Carbon Tetrachloride     | 4.735  | 117   | 6308     | 0.835    | ug/l   | 89       |
| 39) Methylcyclohexane        | 6.047  | 83    | 5600     | 0.904    | ug/l   | 93       |
| 40) Benzene                  | 5.015  | 78    | 7284     | 0.387    | ug/l   | 96       |
| 42) 1,2-Dichloroethane       | 5.060  | 62    | 7903     | 1.080    | ug/l   | 92       |

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 Data File : VV038933.D  
 Acq On : 08 Aug 2025 14:06  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC001

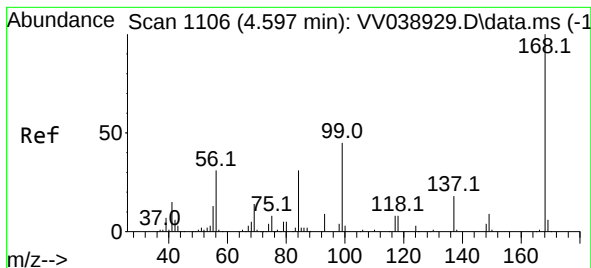
Quant Time: Aug 11 05:09:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V080825W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 11 04:47:10 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 43) Isopropyl Acetate         | 5.224  | 43   | 8861     | 0.844 | ug/l # | 81       |
| 44) Trichloroethene           | 5.841  | 130  | 2648     | 0.535 | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 6.105  | 63   | 5180     | 1.017 | ug/l # | 75       |
| 46) Dibromomethane            | 6.240  | 93   | 1664     | 0.428 | ug/l # | 1        |
| 47) Bromodichloromethane      | 6.436  | 83   | 8719     | 1.008 | ug/l   | 91       |
| 49) 1,4-Dioxane               | 6.265  | 88   | 107      | 1.078 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.162  | 43   | 27910    | 3.837 | ug/l   | 95       |
| 52) Toluene                   | 7.326  | 92   | 9642     | 0.811 | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 7.603  | 75   | 5374     | 0.710 | ug/l # | 85       |
| 54) cis-1,3-Dichloropropene   | 6.973  | 75   | 7580     | 0.918 | ug/l # | 74       |
| 55) 1,1,2-Trichloroethane     | 7.773  | 97   | 5594     | 0.962 | ug/l   | 90       |
| 56) Ethyl methacrylate        | 7.748  | 69   | 4311     | 1.885 | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 7.947  | 76   | 8086     | 0.909 | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 6.838  | 63   | 11078    | 3.246 | ug/l   | 96       |
| 59) 2-Hexanone                | 8.085  | 43   | 18869    | 3.594 | ug/l   | 72       |
| 60) Dibromochloromethane      | 8.175  | 129  | 6513     | 0.914 | ug/l   | 88       |
| 61) 1,2-Dibromoethane         | 8.288  | 107  | 5085     | 0.881 | ug/l   | 99       |
| 64) Tetrachloroethene         | 7.899  | 164  | 5191     | 1.128 | ug/l   | 82       |
| 65) Chlorobenzene             | 8.805  | 112  | 15965    | 1.042 | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 8.899  | 131  | 5998     | 0.995 | ug/l # | 65       |
| 67) Ethyl Benzene             | 8.947  | 91   | 19576    | 0.870 | ug/l   | 94       |
| 68) m/p-Xylenes               | 9.075  | 106  | 13387    | 1.543 | ug/l   | 97       |
| 69) o-Xylene                  | 9.477  | 106  | 6822     | 0.836 | ug/l   | 95       |
| 70) Styrene                   | 9.506  | 104  | 11913    | 0.811 | ug/l # | 71       |
| 71) Bromoform                 | 9.667  | 173  | 5176     | 1.022 | ug/l # | 98       |
| 73) Isopropylbenzene          | 9.860  | 105  | 18007    | 0.945 | ug/l   | 98       |
| 74) N-amyl acetate            | 9.747  | 43   | 6028     | 0.900 | ug/l # | 72       |
| 75) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 9825     | 1.206 | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 10.204 | 75   | 6748     | 1.131 | ug/l   | 90       |
| 77) Bromobenzene              | 10.153 | 156  | 5328     | 1.042 | ug/l   | 94       |
| 78) n-propylbenzene           | 10.284 | 91   | 20336    | 0.905 | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 10.355 | 91   | 12677    | 0.919 | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 13918    | 0.866 | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.947  | 75   | 2077     | 0.872 | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 10.474 | 91   | 13795    | 0.855 | ug/l   | 91       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 17496    | 1.022 | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 14064    | 0.881 | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.018 | 105  | 20008    | 0.925 | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.172 | 119  | 17322    | 0.919 | ug/l   | 92       |
| 87) 1,3-Dichlorobenzene       | 11.117 | 146  | 12148    | 1.136 | ug/l   | 89       |
| 88) 1,4-Dichlorobenzene       | 11.117 | 146  | 12148    | 1.043 | ug/l   | 91       |
| 89) n-Butylbenzene            | 11.587 | 91   | 16120    | 0.925 | ug/l   | 95       |
| 90) Hexachloroethane          | 11.821 | 117  | 5117     | 1.151 | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 11.580 | 146  | 10380    | 1.027 | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.198 | 180  | 6977     | 1.094 | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.371 | 225  | 4168     | 1.237 | ug/l   | 95       |
| 95) Naphthalene               | 13.439 | 128  | 20023    | 1.001 | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 6999     | 1.073 | ug/l   | 94       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V080825W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 11 04:47:10 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.593 min Scan# 11

Delta R.T. -0.004 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

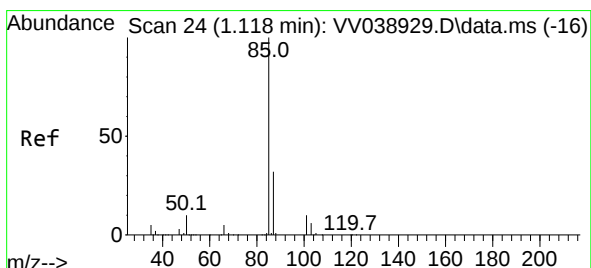
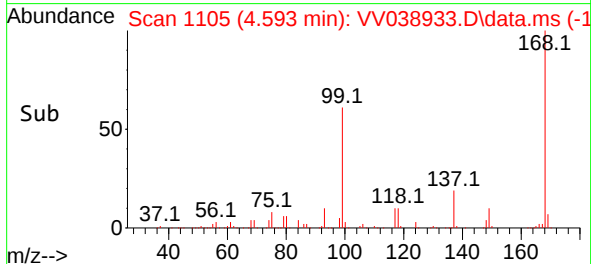
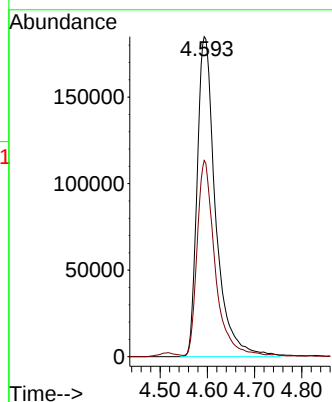
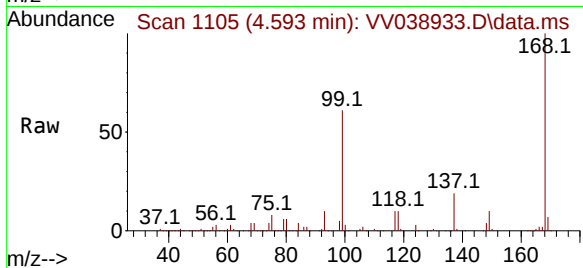
VSTDIC001

Tgt Ion:168 Resp: 500864

Ion Ratio Lower Upper

168 100

99 60.9 47.3 70.9



#2

Dichlorodifluoromethane

Concen: 1.056 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.003 min

Lab File: VV038933.D

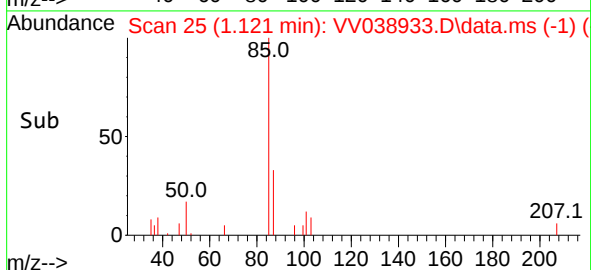
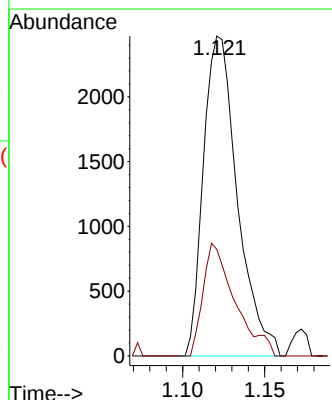
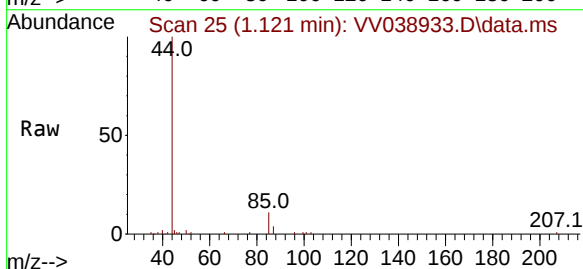
Acq: 08 Aug 2025 14:06

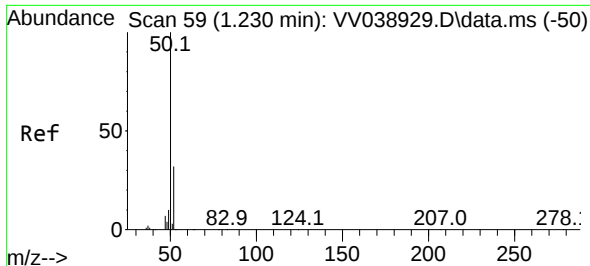
Tgt Ion: 85 Resp: 3557

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6

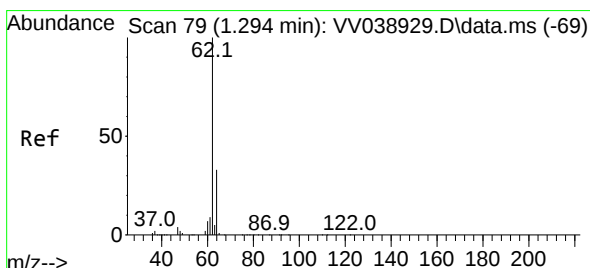
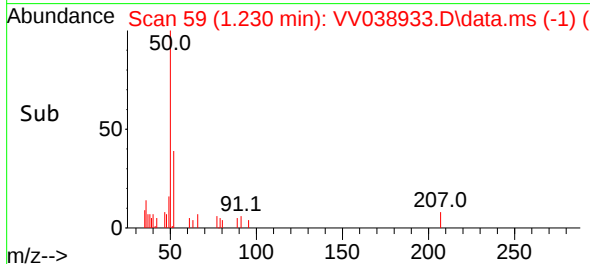
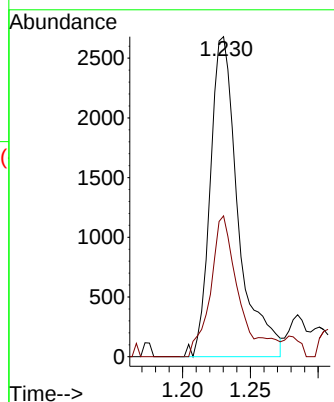
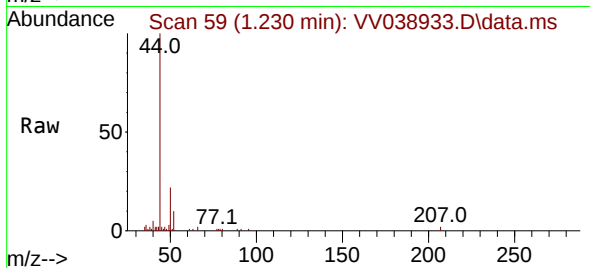




#3  
Chloromethane  
Concen: 1.196 ug/l  
RT: 1.230 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

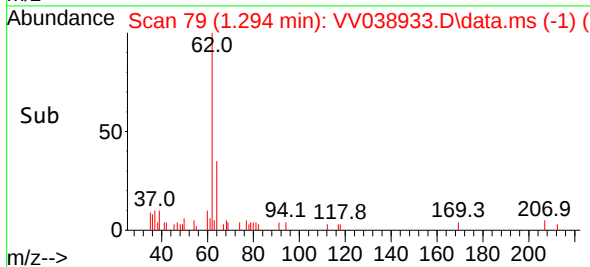
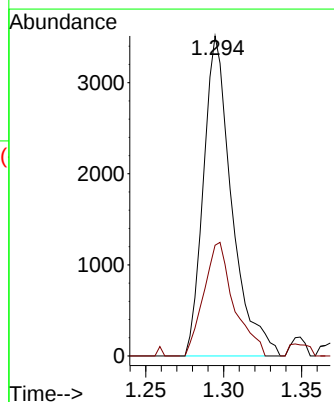
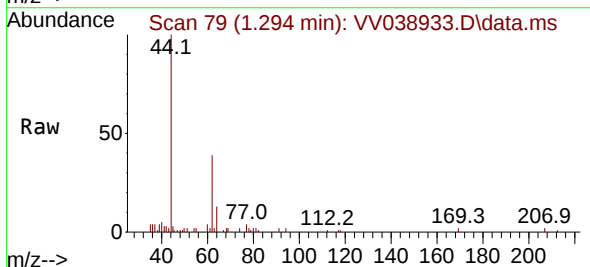
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

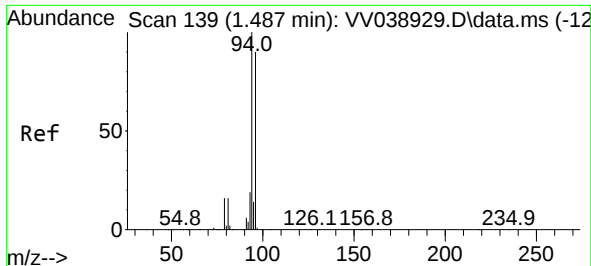
Tgt Ion: 50 Resp: 3845  
Ion Ratio Lower Upper  
50 100  
52 44.0 25.9 38.9#



#4  
Vinyl Chloride  
Concen: 1.119 ug/l  
RT: 1.294 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 62 Resp: 4420  
Ion Ratio Lower Upper  
62 100  
64 34.6 26.6 40.0

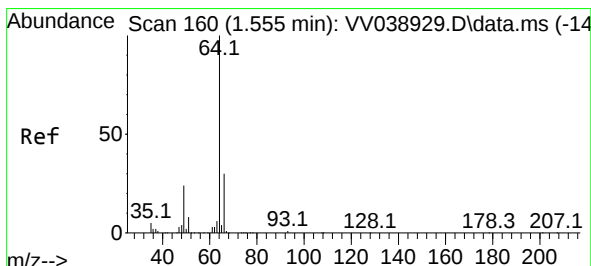
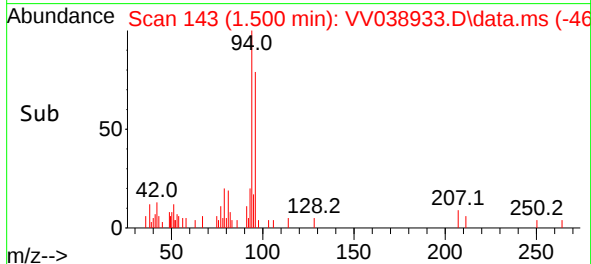
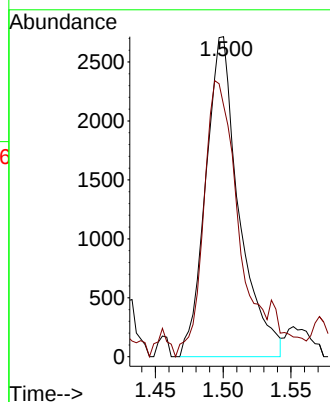
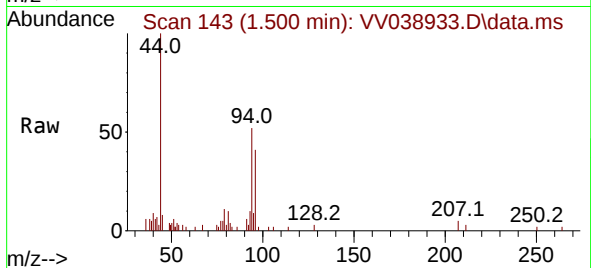




#5  
Bromomethane  
Concen: 1.499 ug/l  
RT: 1.500 min Scan# 14  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

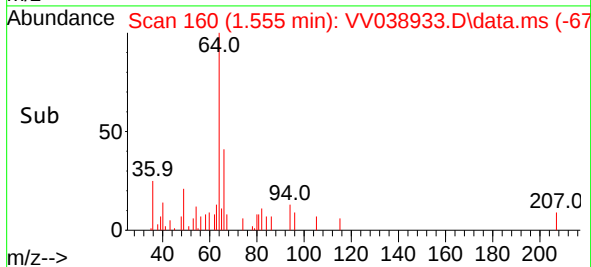
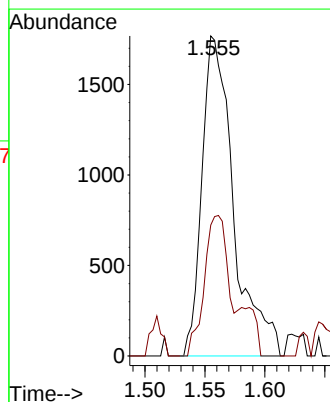
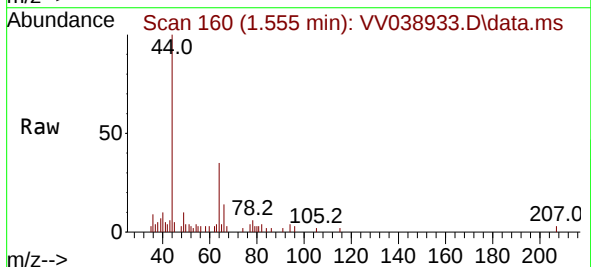
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

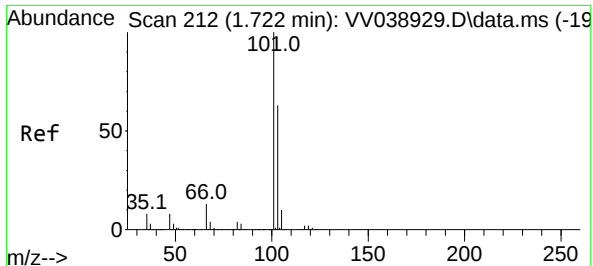
Tgt Ion: 94 Resp: 4643  
Ion Ratio Lower Upper  
94 100  
96 74.7 71.8 107.8



#6  
Chloroethane  
Concen: 1.143 ug/l  
RT: 1.555 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 64 Resp: 3247  
Ion Ratio Lower Upper  
64 100  
66 40.9 24.3 36.5#

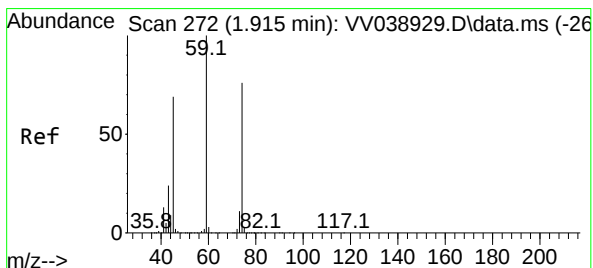
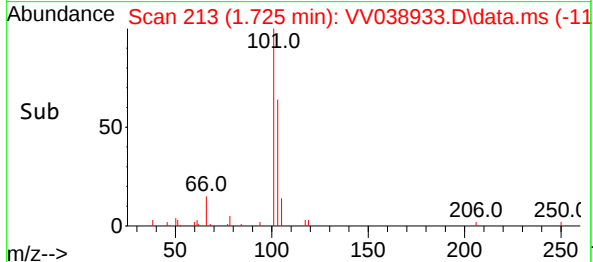
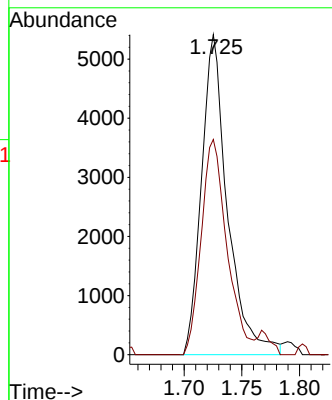
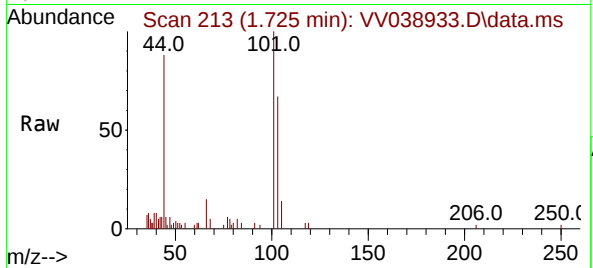




#7  
 Trichlorofluoromethane  
 Concen: 1.084 ug/l  
 RT: 1.725 min Scan# 212  
 Delta R.T. 0.003 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

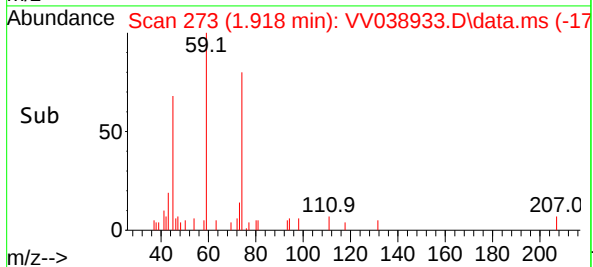
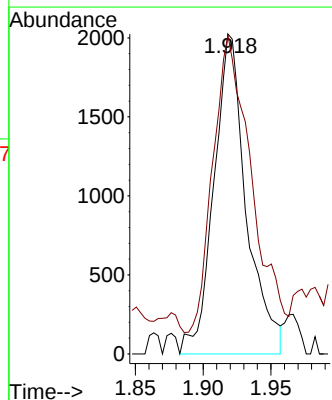
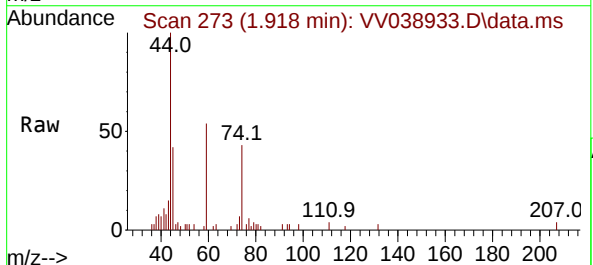
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

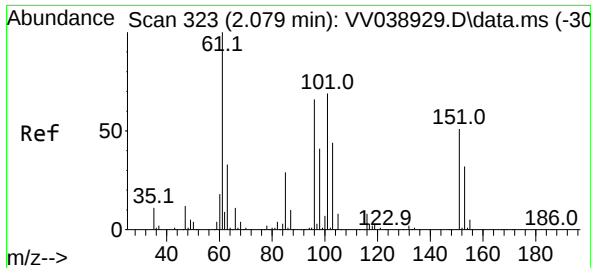
Tgt Ion:101 Resp: 8484  
 Ion Ratio Lower Upper  
 101 100  
 103 67.2 50.8 76.2



#8  
 Diethyl Ether  
 Concen: 1.153 ug/l  
 RT: 1.918 min Scan# 273  
 Delta R.T. 0.003 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion: 74 Resp: 3364  
 Ion Ratio Lower Upper  
 74 100  
 45 108.6 44.8 134.4

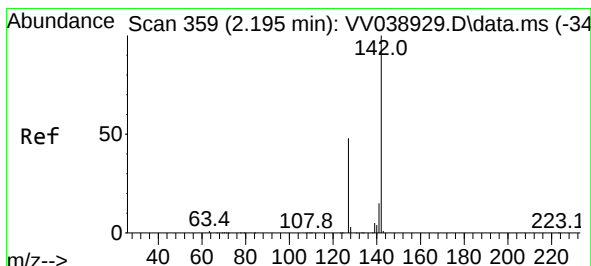
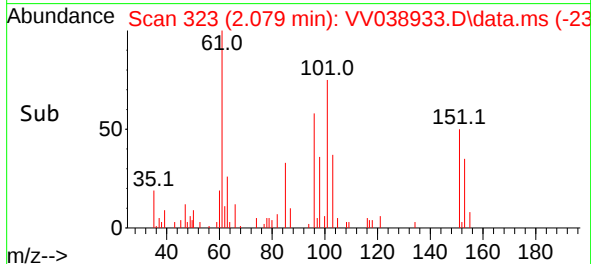
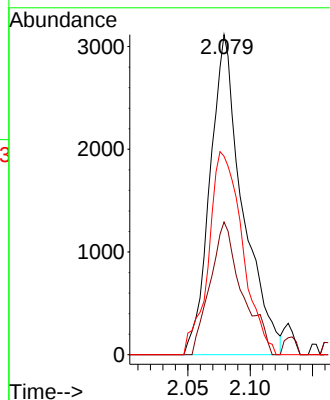
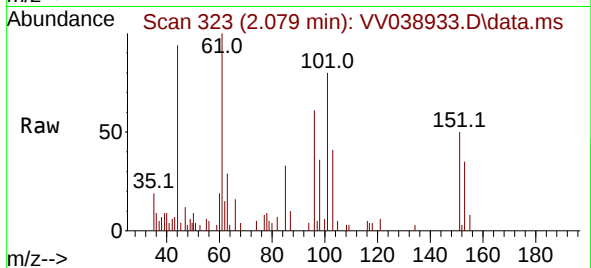




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.133 ug/l  
RT: 2.079 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

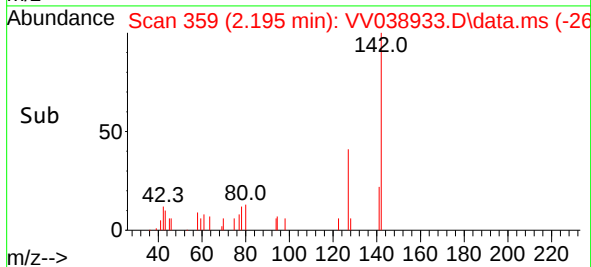
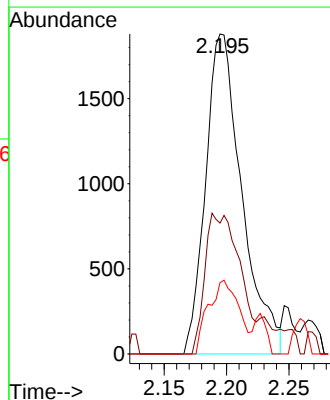
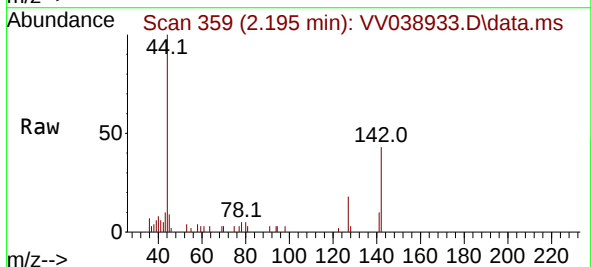
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

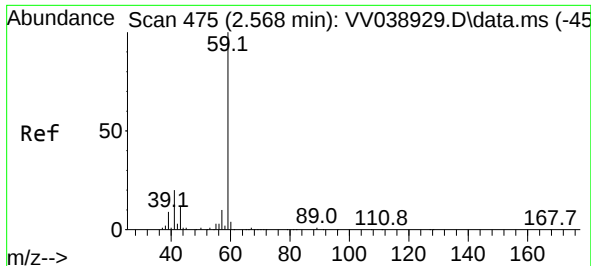
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:101 | Resp: | 5665        |
| Ion         | Ratio | Lower Upper |
| 101         | 100   |             |
| 85          | 40.6  | 35.1 52.7   |
| 151         | 65.8  | 60.6 91.0   |



#10  
Methyl Iodide  
Concen: 4.101 ug/l  
RT: 2.195 min Scan# 359  
Delta R.T. -0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:142 | Resp: | 3815        |
| Ion         | Ratio | Lower Upper |
| 142         | 100   |             |
| 127         | 42.4  | 38.2 57.2   |
| 141         | 19.2  | 11.6 17.4   |

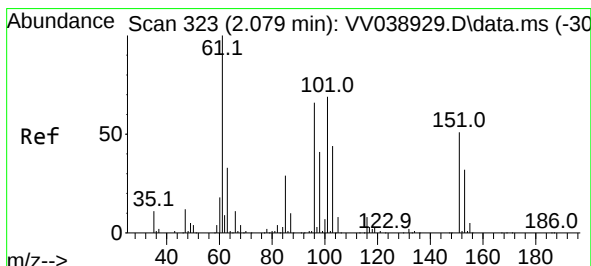
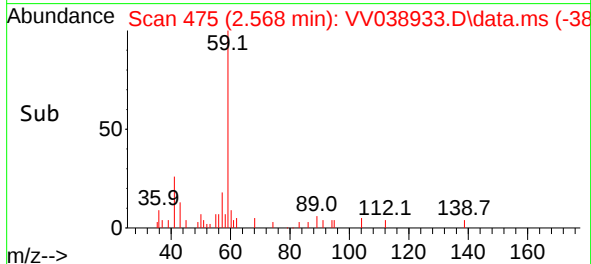
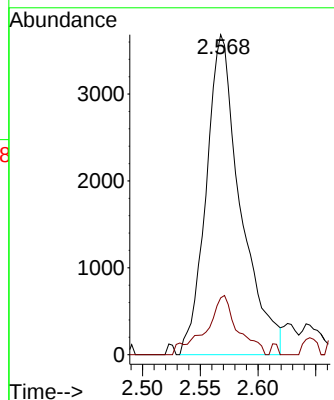
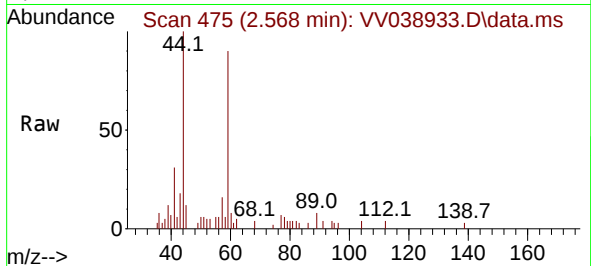




#11  
Tert butyl alcohol  
Concen: 6.263 ug/l  
RT: 2.568 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

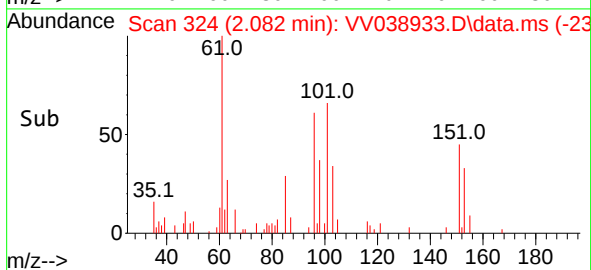
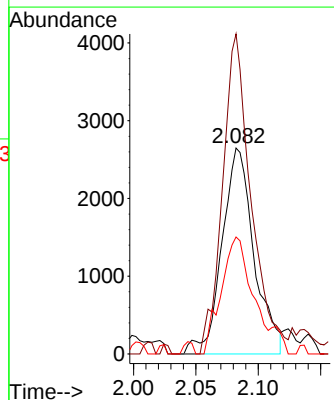
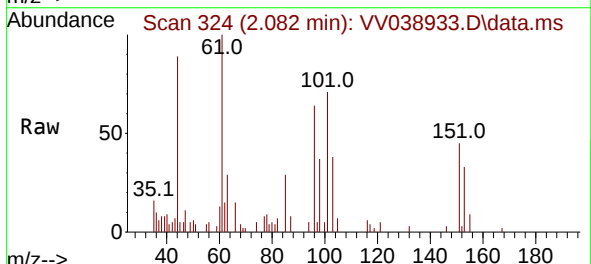
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC001

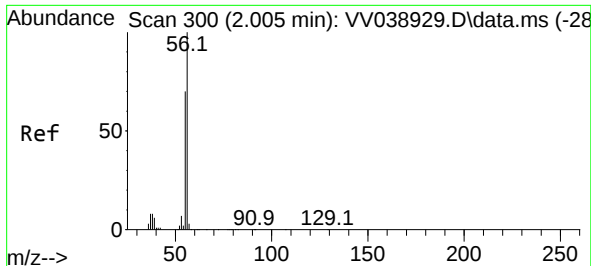
Tgt Ion: 59 Resp: 7630  
Ion Ratio Lower Upper  
59 100  
57 17.1 8.2 12.2#



#12  
1,1-Dichloroethene  
Concen: 1.144 ug/l  
RT: 2.082 min Scan# 324  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 96 Resp: 4740  
Ion Ratio Lower Upper  
96 100  
61 155.4 121.0 181.4  
98 56.8 49.4 74.2

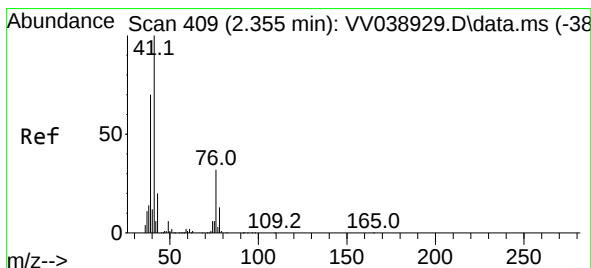
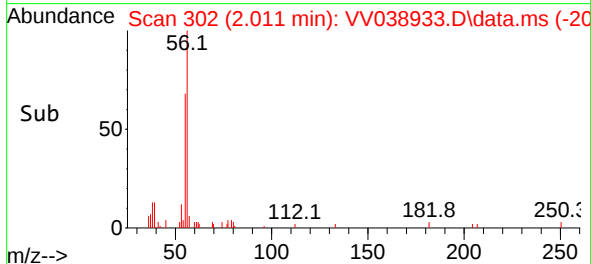
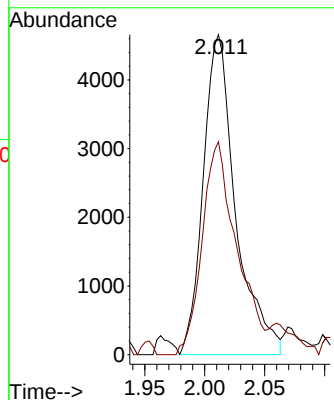
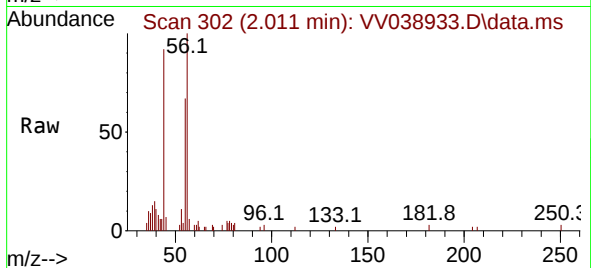




#13  
Acrolein  
Concen: 9.178 ug/l  
RT: 2.011 min Scan# 301  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

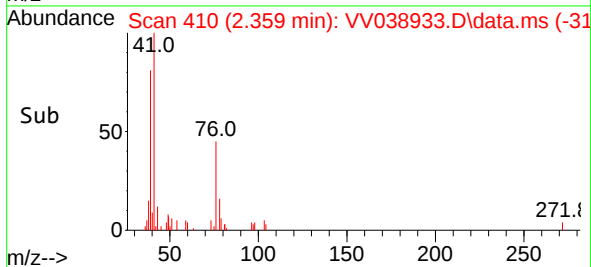
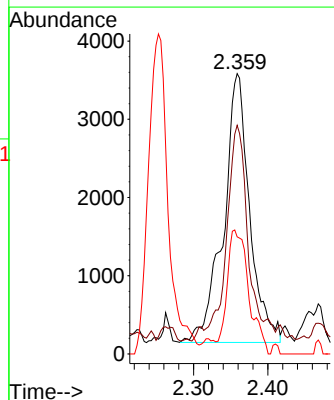
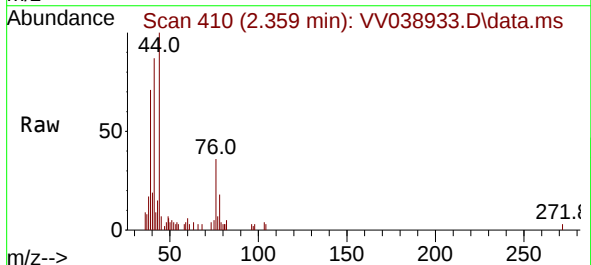
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC001

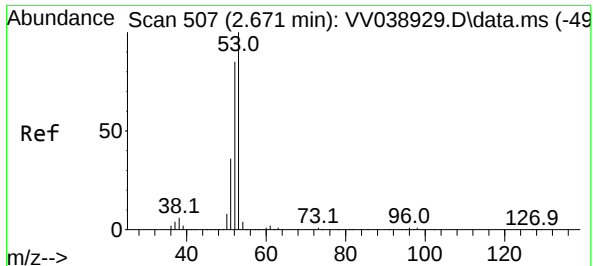
Tgt Ion: 56 Resp: 8777  
Ion Ratio Lower Upper  
56 100  
55 70.6 55.1 82.7



#14  
Allyl chloride  
Concen: 1.163 ug/l  
RT: 2.359 min Scan# 410  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 41 Resp: 8427  
Ion Ratio Lower Upper  
41 100  
39 56.1 49.9 74.9  
76 38.5 29.7 44.5

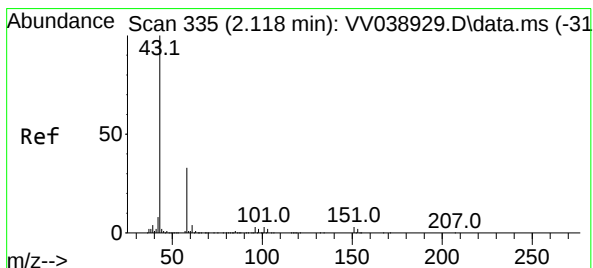
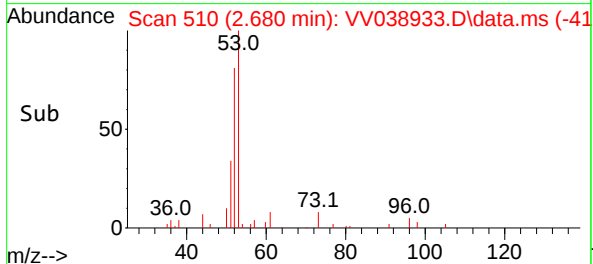
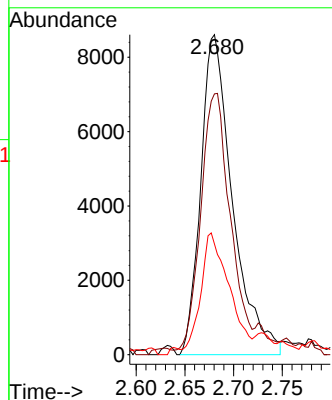
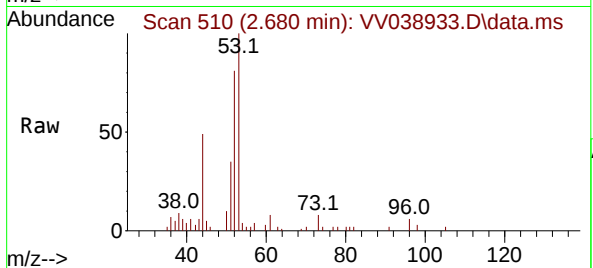




#15  
Acrylonitrile  
Concen: 6.063 ug/l  
RT: 2.680 min Scan# 51  
Delta R.T. 0.010 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

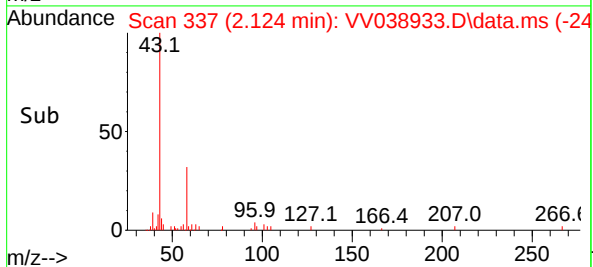
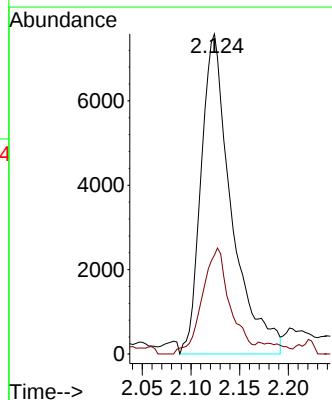
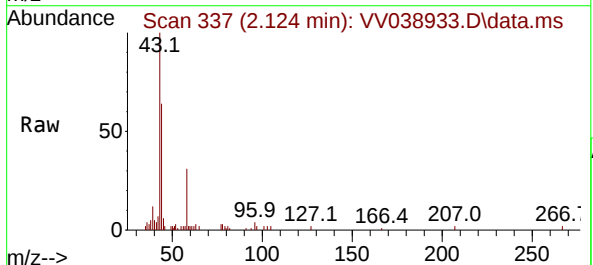
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC001

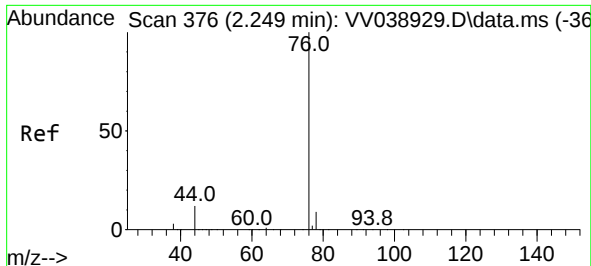
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 19501 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 73.5  | 66.4  | 99.6  |
| 51       | 31.2  | 28.6  | 43.0  |



#16  
Acetone  
Concen: 6.349 ug/l  
RT: 2.124 min Scan# 337  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16417 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.1  | 26.8  | 40.2  |

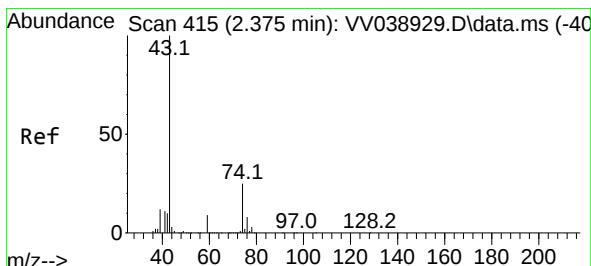
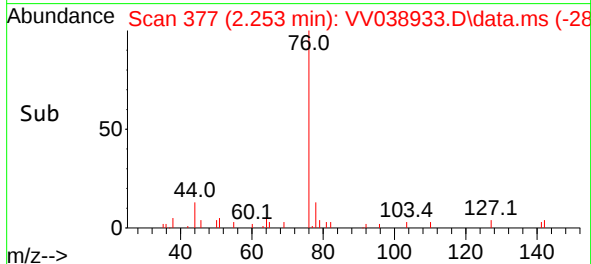
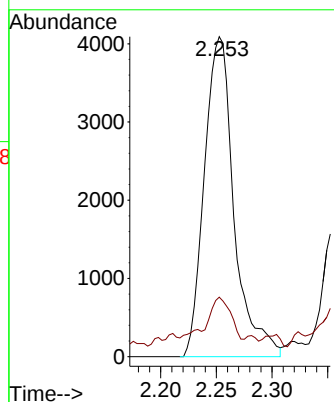
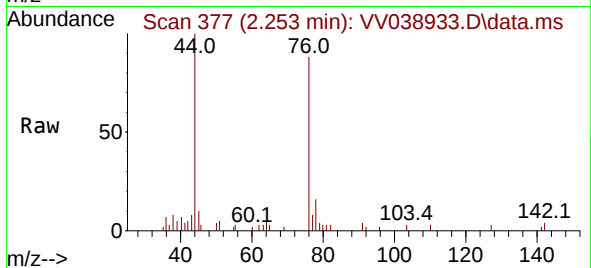




#17  
Carbon Disulfide  
Concen: 1.133 ug/l  
RT: 2.253 min Scan# 317  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

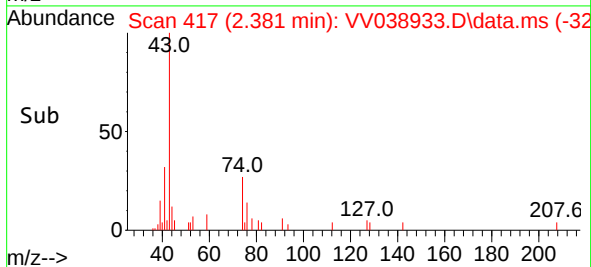
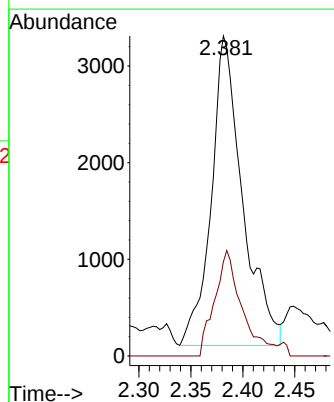
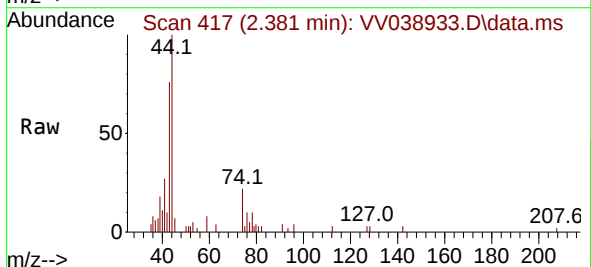
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

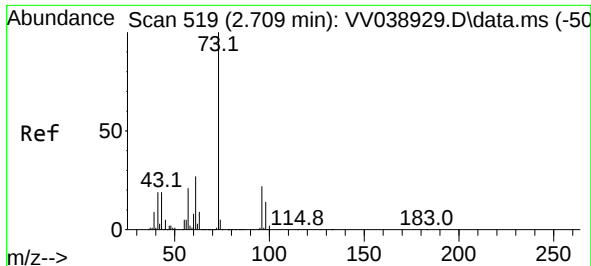
Tgt Ion: 76 Resp: 7578  
Ion Ratio Lower Upper  
76 100  
78 13.1 7.4 11.2#



#18  
Methyl Acetate  
Concen: 1.295 ug/l  
RT: 2.381 min Scan# 417  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 43 Resp: 6709  
Ion Ratio Lower Upper  
43 100  
74 29.7 20.6 30.8

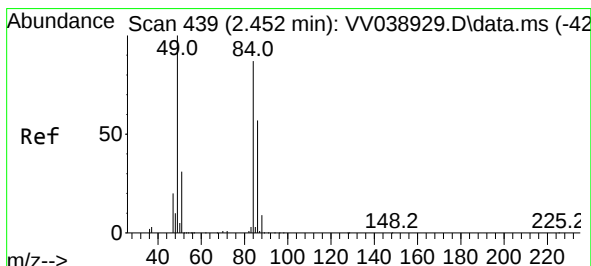
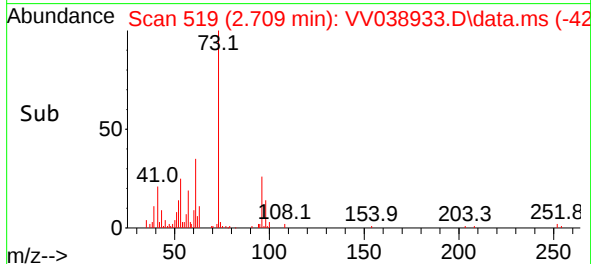
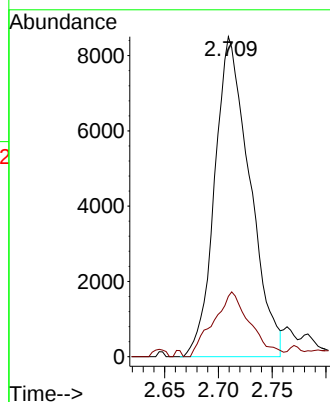
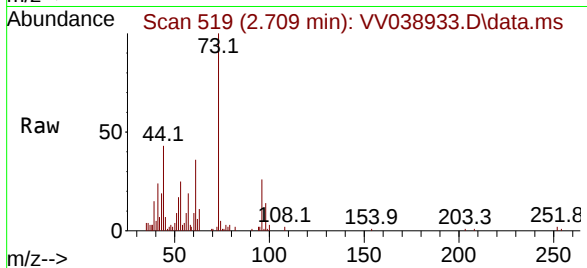




#19  
Methyl tert-butyl Ether  
Concen: 1.131 ug/l  
RT: 2.709 min Scan# 519  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

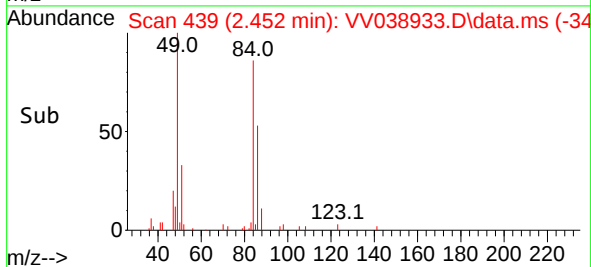
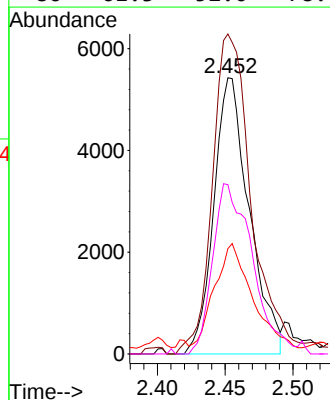
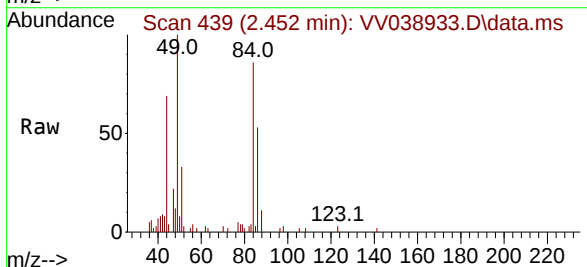
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

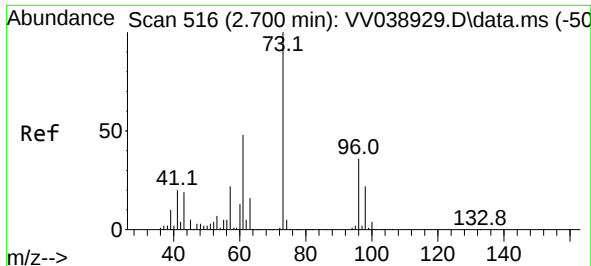
Tgt Ion: 73 Resp: 19271  
Ion Ratio Lower Upper  
73 100  
57 17.0 17.0 25.6#



#20  
Methylene Chloride  
Concen: 0.946 ug/l  
RT: 2.452 min Scan# 439  
Delta R.T. -0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 84 Resp: 9863  
Ion Ratio Lower Upper  
84 100  
49 113.8 91.7 137.5  
51 33.0 28.3 42.5  
86 61.3 52.0 78.0

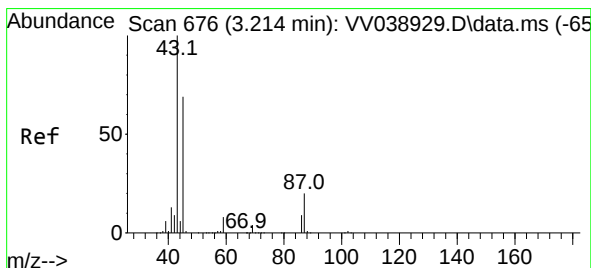
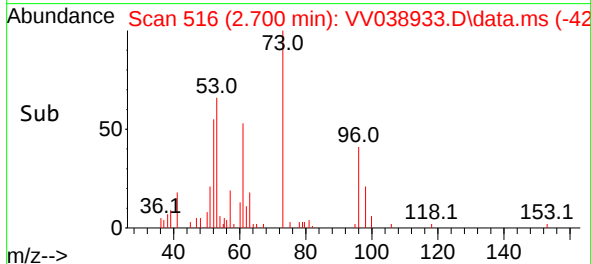
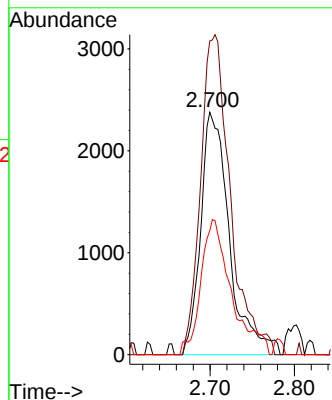
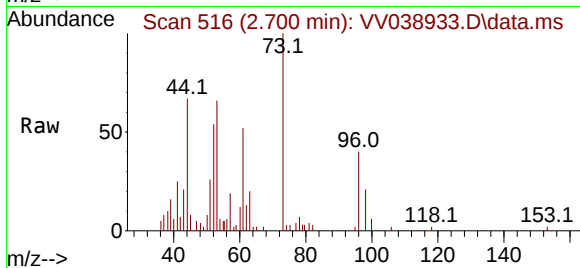




#21  
trans-1,2-Dichloroethene  
Concen: 1.257 ug/l  
RT: 2.700 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

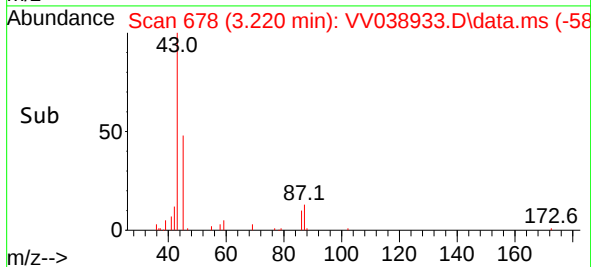
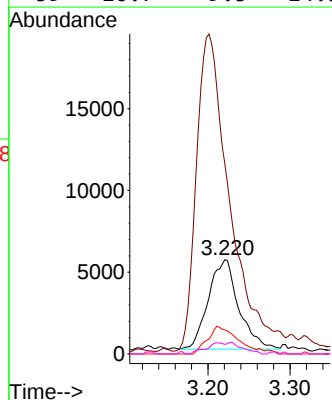
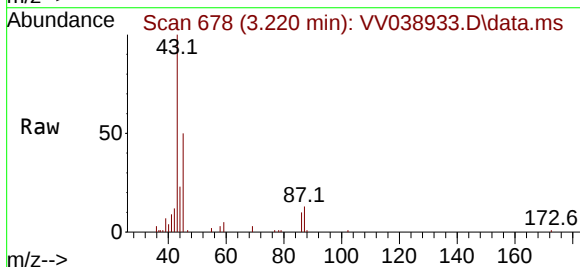
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

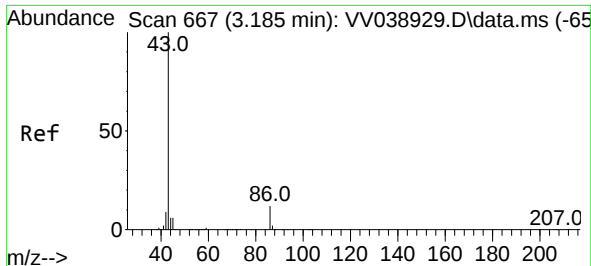
Tgt Ion: 96 Resp: 5660  
Ion Ratio Lower Upper  
96 100  
61 129.5 106.2 159.4  
98 51.2 49.8 74.8



#22  
Diisopropyl ether  
Concen: 0.963 ug/l  
RT: 3.220 min Scan# 678  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 45 Resp: 14112  
Ion Ratio Lower Upper  
45 100  
43 206.2 115.3 172.9#  
87 26.8 23.8 35.6  
59 10.7 9.5 14.3

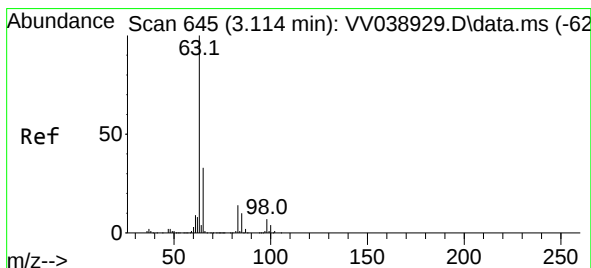
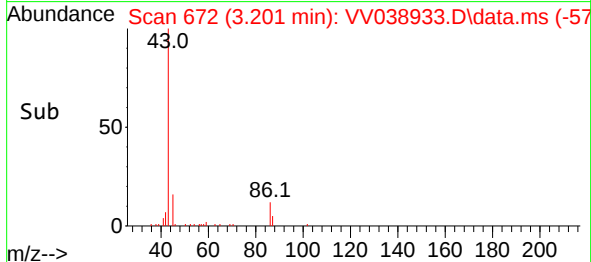
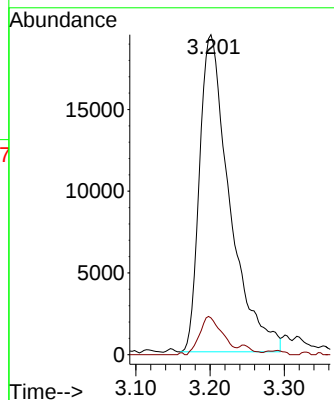
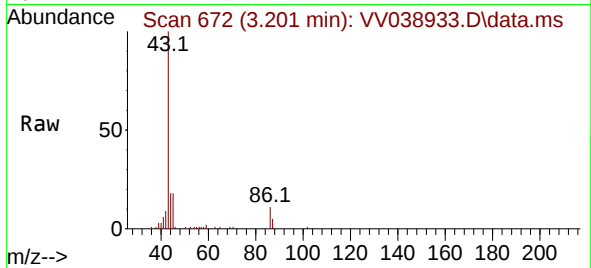




#23  
 Vinyl Acetate  
 Concen: 5.033 ug/l  
 RT: 3.201 min Scan# 61  
 Delta R.T. 0.016 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

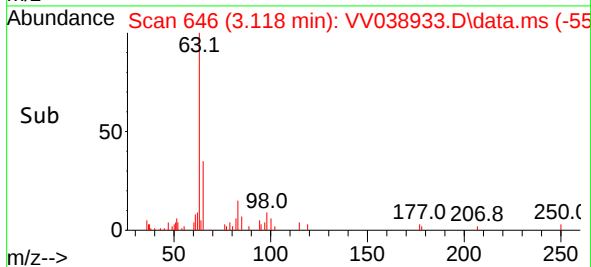
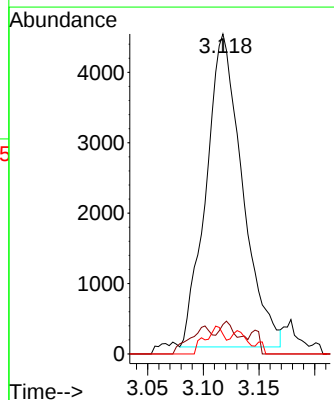
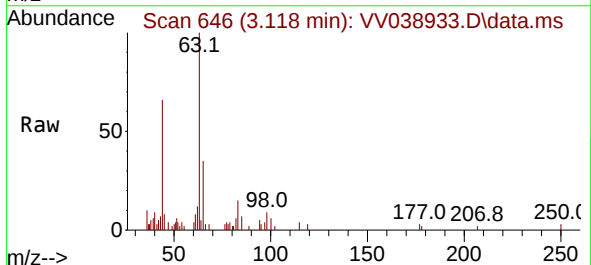
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC001

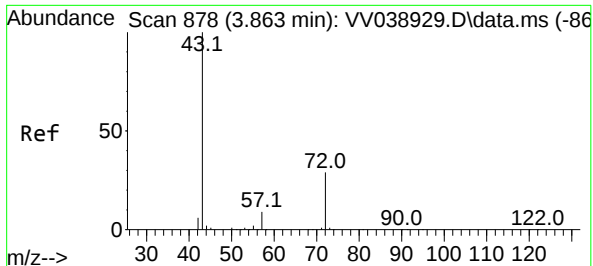
Tgt Ion: 43 Resp: 54762  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 9.5 14.3



#24  
 1,1-Dichloroethane  
 Concen: 1.071 ug/l  
 RT: 3.118 min Scan# 646  
 Delta R.T. 0.003 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion: 63 Resp: 10059  
 Ion Ratio Lower Upper  
 63 100  
 98 9.4 3.5 10.4  
 100 6.3 2.2 6.6





#25

2-Butanone

Concen: 2.523 ug/l

RT: 3.915 min Scan# 894

Delta R.T. 0.051 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

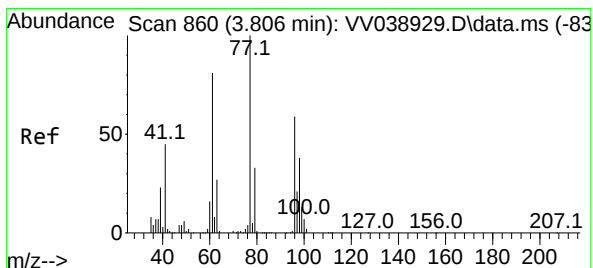
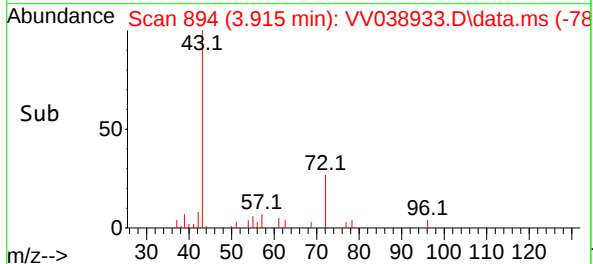
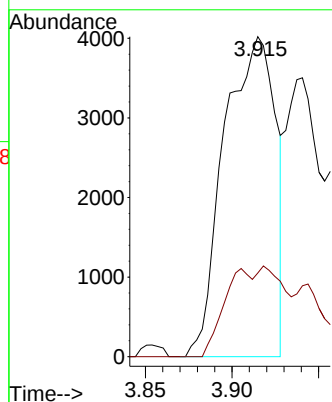
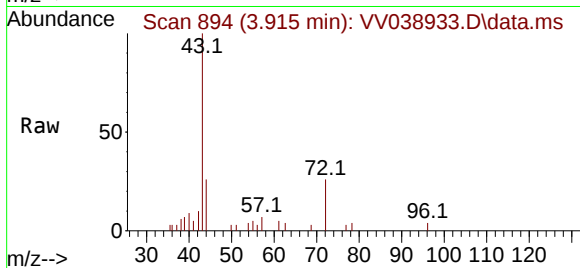
VSTDIC001

Tgt Ion: 43 Resp: 8292

Ion Ratio Lower Upper

43 100

72 26.1 23.5 35.3



#26

2,2-Dichloropropane

Concen: 1.054 ug/l

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV038933.D

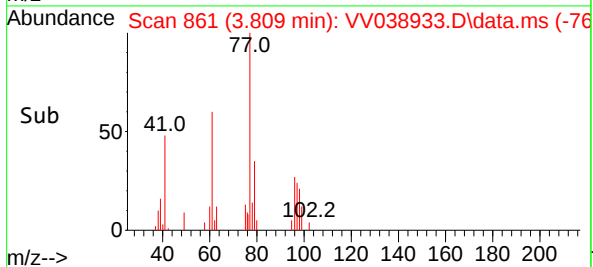
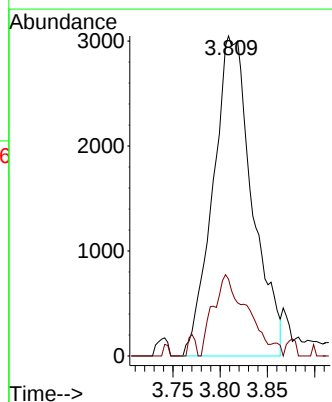
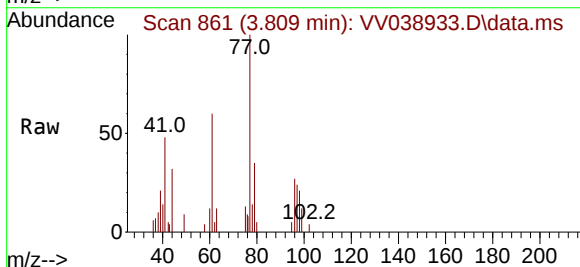
Acq: 08 Aug 2025 14:06

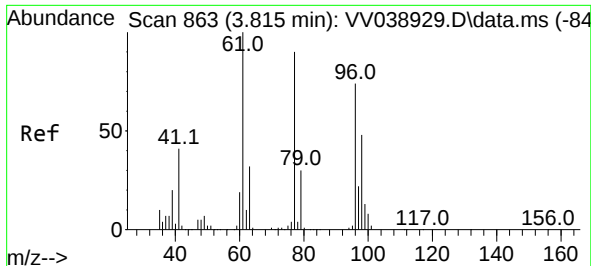
Tgt Ion: 77 Resp: 8771

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 1.076 ug/l

RT: 3.828 min Scan# 80

Delta R.T. 0.013 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTDIC001

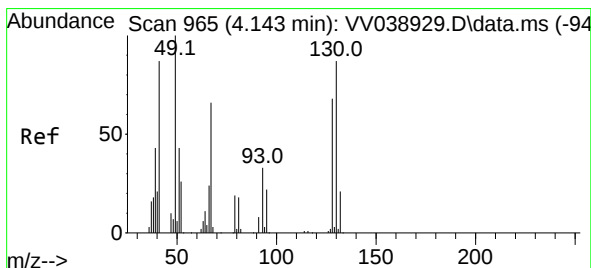
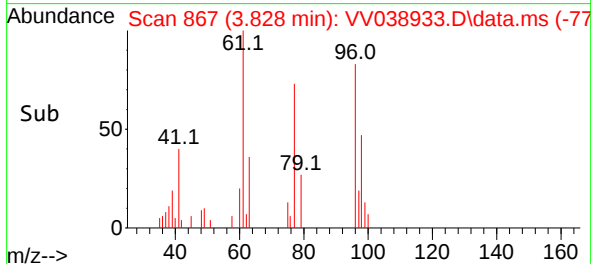
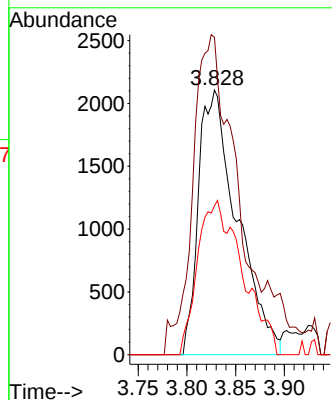
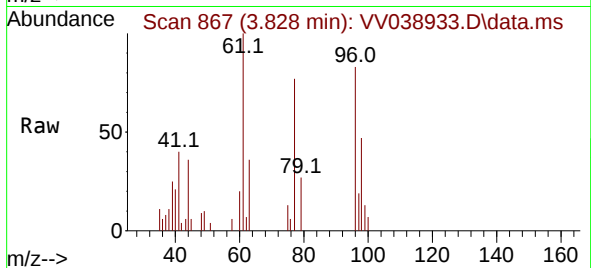
Tgt Ion: 96 Resp: 5839

Ion Ratio Lower Upper

96 100

61 131.1 0.0 270.4

98 41.1 0.0 128.0



#28

Bromochloromethane

Concen: 0.527 ug/l

RT: 4.162 min Scan# 971

Delta R.T. 0.019 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

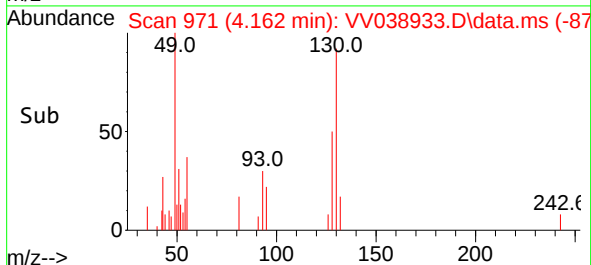
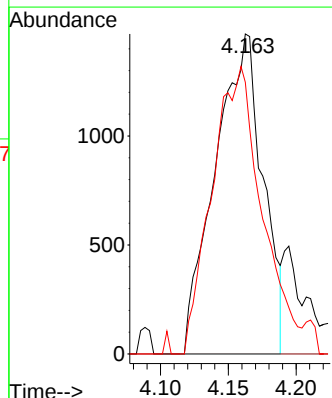
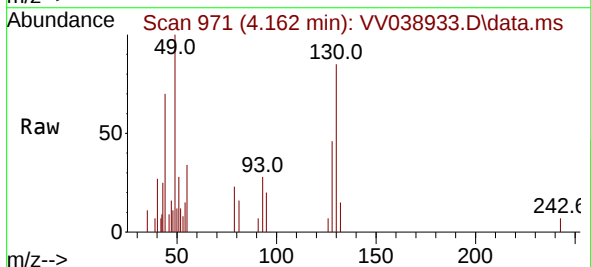
Tgt Ion: 49 Resp: 3598

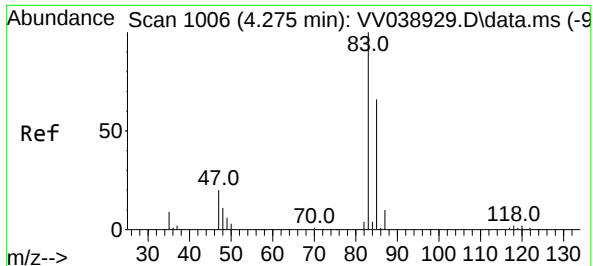
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 94.4 70.9 106.3





#30

Chloroform

Concen: 1.097 ug/l

RT: 4.278 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

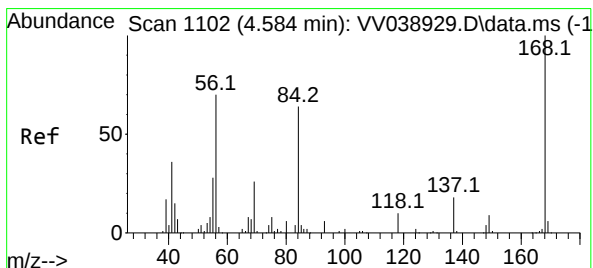
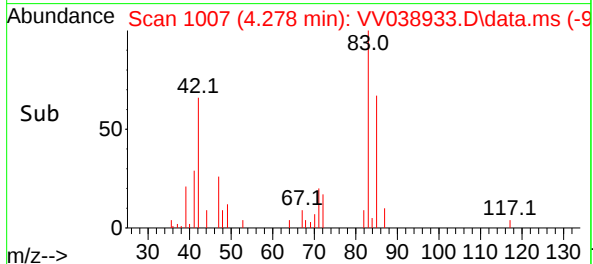
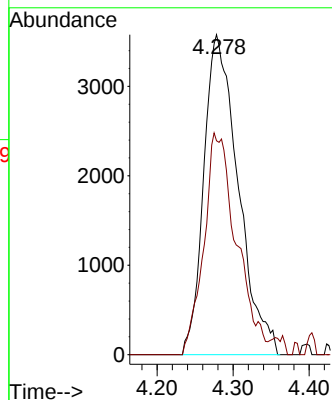
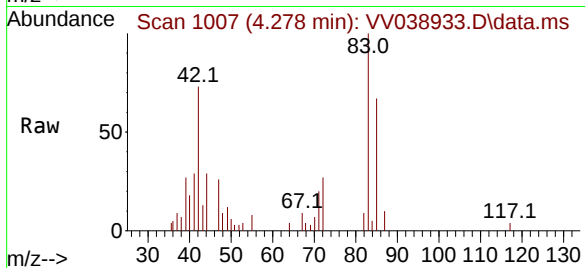
VSTDIC001

Tgt Ion: 83 Resp: 11216

Ion Ratio Lower Upper

83 100

85 66.9 53.0 79.6



#31

Cyclohexane

Concen: 2.645 ug/l

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

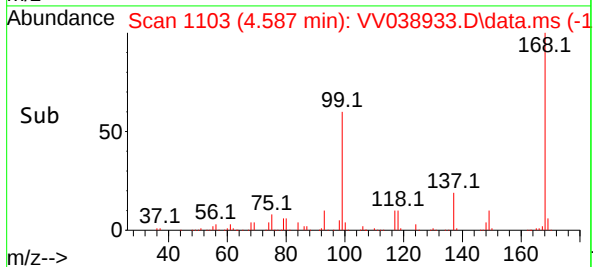
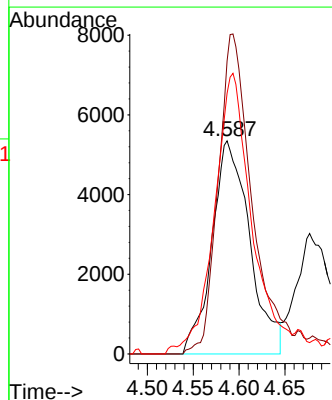
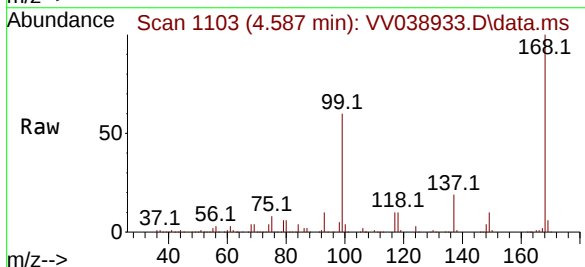
Tgt Ion: 56 Resp: 15304

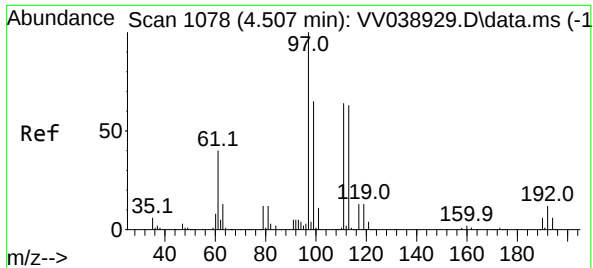
Ion Ratio Lower Upper

56 100

69 137.5 30.2 45.2#

84 118.2 73.6 110.4#

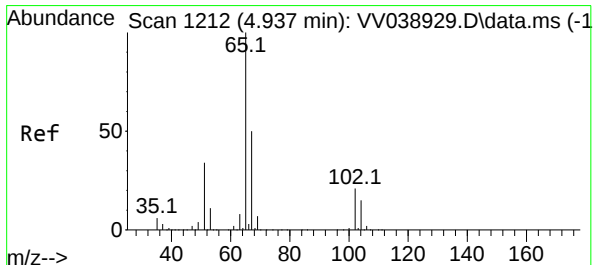
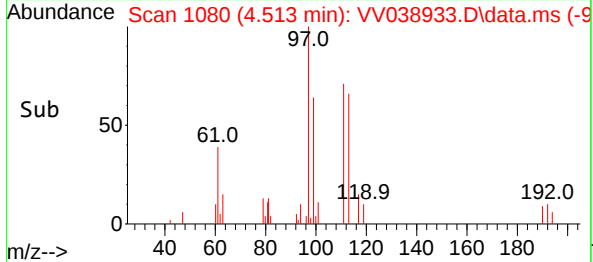
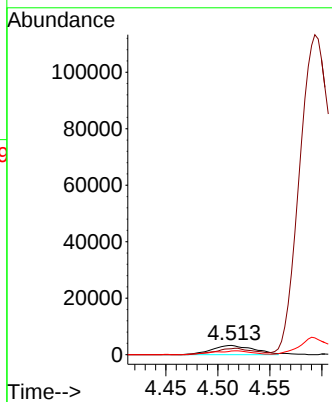
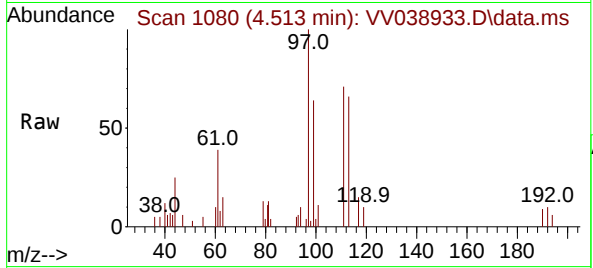




#32  
 1,1,1-Trichloroethane  
 Concen: 1.052 ug/l  
 RT: 4.513 min Scan# 1078  
 Delta R.T. 0.006 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

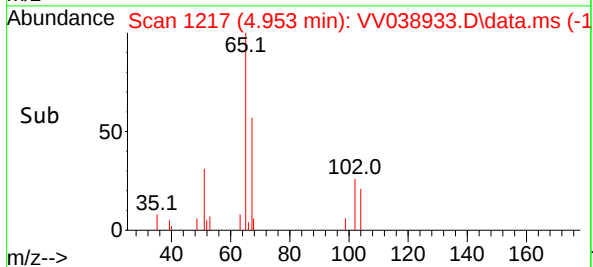
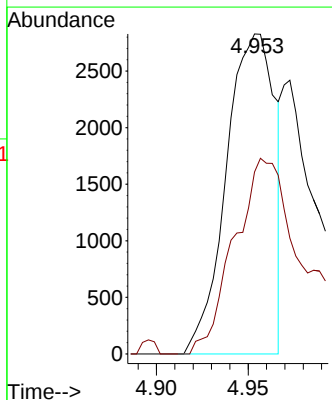
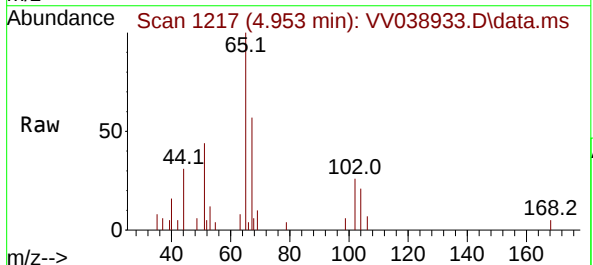
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

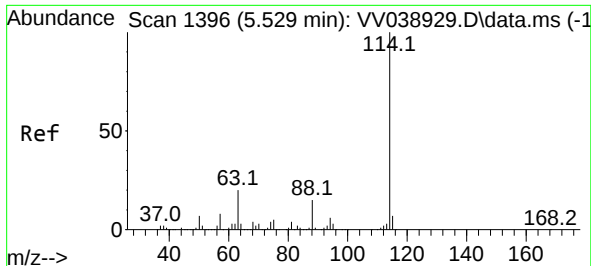
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9249  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 0.0   | 49.8  | 74.6# |
| 61       | 21.8  | 31.8  | 47.8# |



#33  
 1,2-Dichloroethane-d4  
 Concen: 0.720 ug/l  
 RT: 4.953 min Scan# 1217  
 Delta R.T. 0.016 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 5189  |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 93.7  | 0.0   | 104.4 |

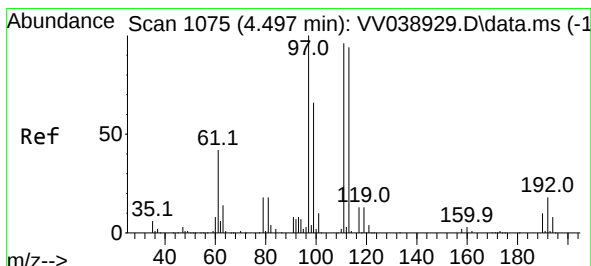
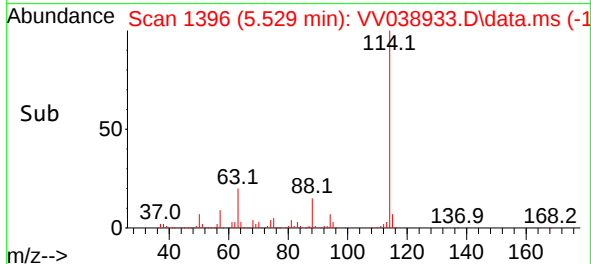
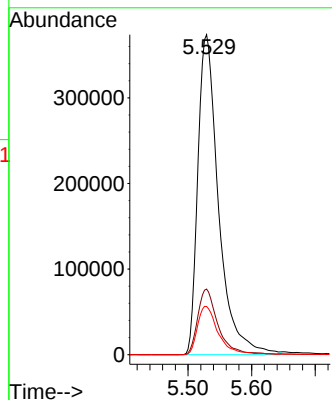
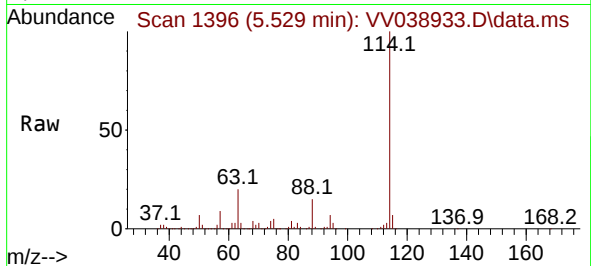




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.529 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

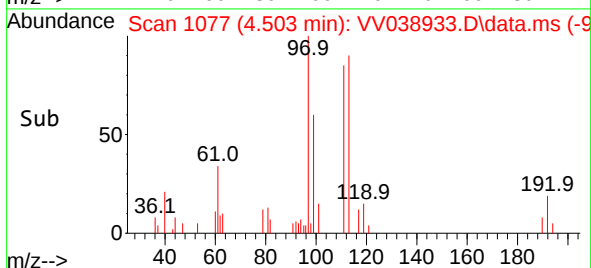
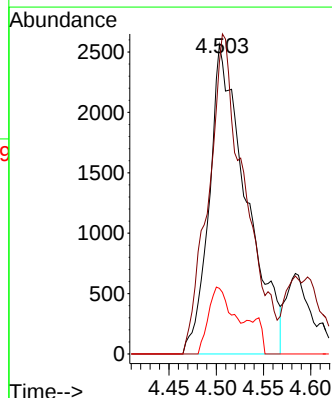
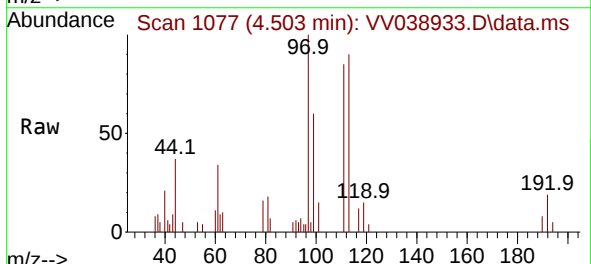
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

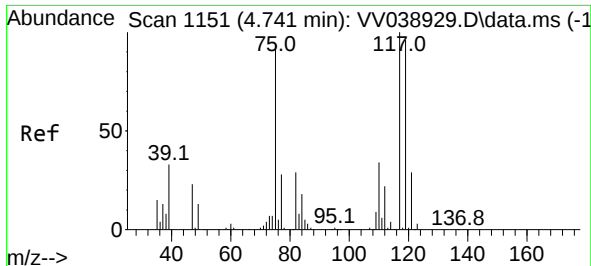
Tgt Ion:114 Resp: 845842  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 40.0  
88 15.0 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 1.085 ug/l  
RT: 4.503 min Scan# 1077  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion:113 Resp: 6963  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.2 123.2  
192 14.6 14.9 22.3#

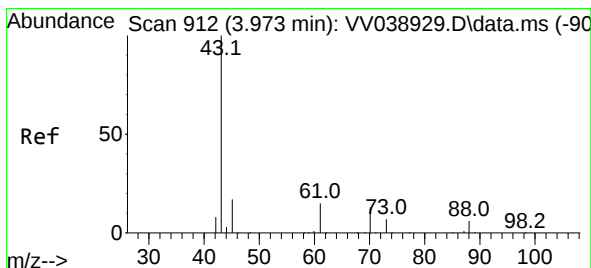
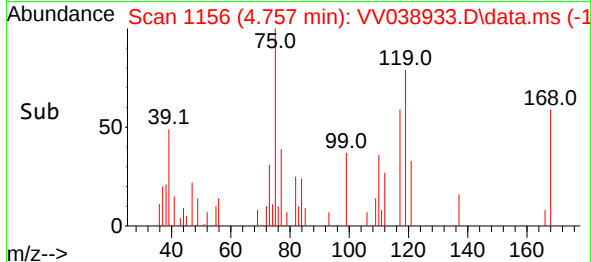
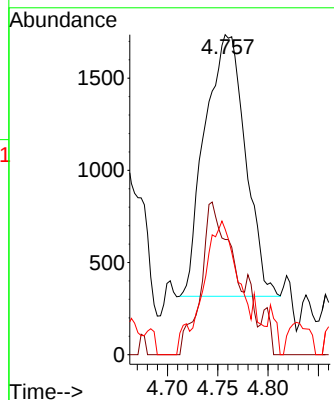
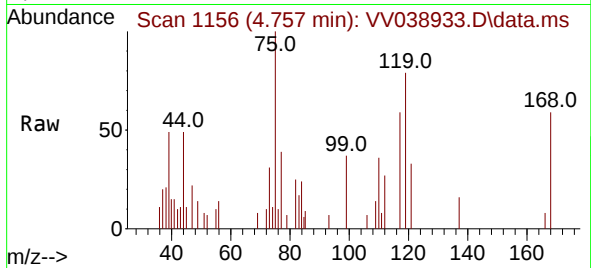




#36  
 1,1-Dichloropropene  
 Concen: 0.702 ug/l  
 RT: 4.757 min Scan# 1156  
 Delta R.T. 0.016 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

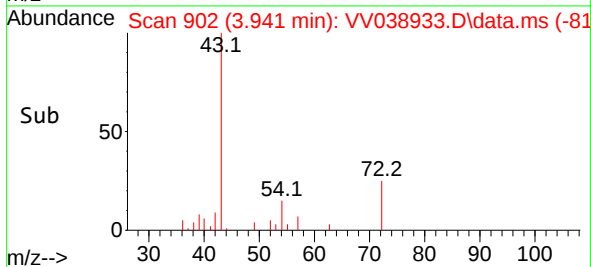
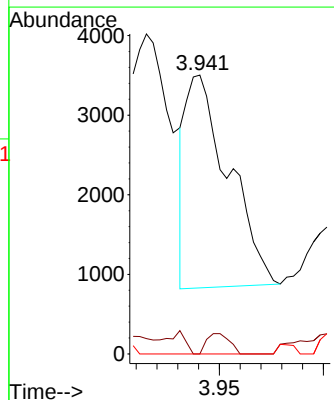
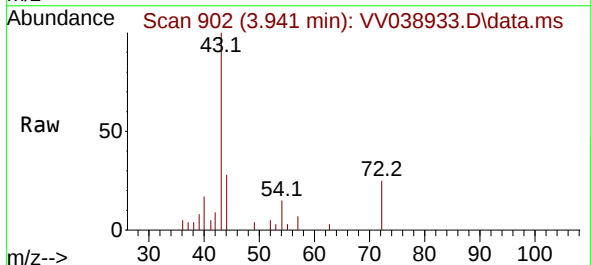
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

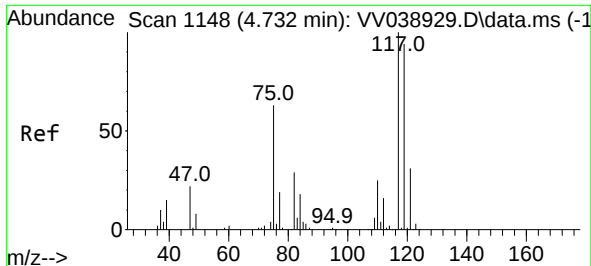
Tgt Ion: 75 Resp: 3975  
 Ion Ratio Lower Upper  
 75 100  
 110 45.0 19.5 58.5  
 77 31.1 25.0 37.6



#37  
 Ethyl Acetate  
 Concen: 0.515 ug/l  
 RT: 3.941 min Scan# 902  
 Delta R.T. -0.032 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion: 43 Resp: 3824  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 12.0 18.0#  
 70 0.0 8.6 13.0#

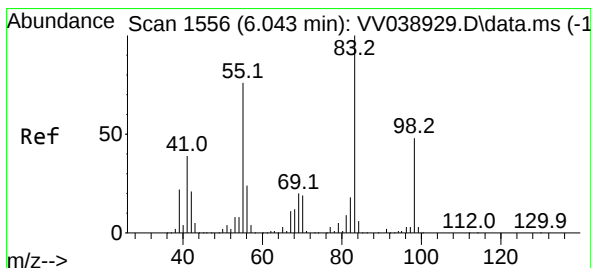
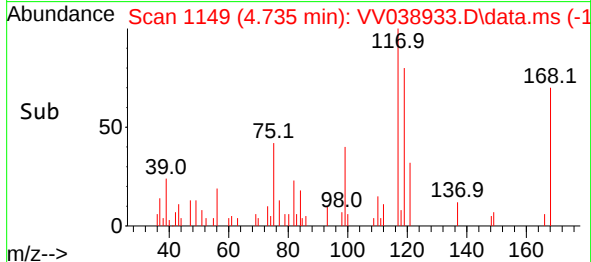
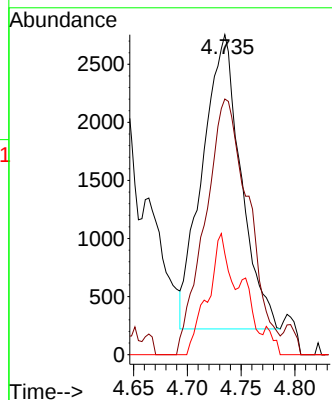
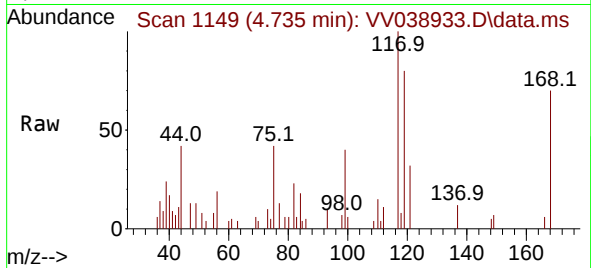




#38  
Carbon Tetrachloride  
Concen: 0.835 ug/l  
RT: 4.735 min Scan# 1148  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

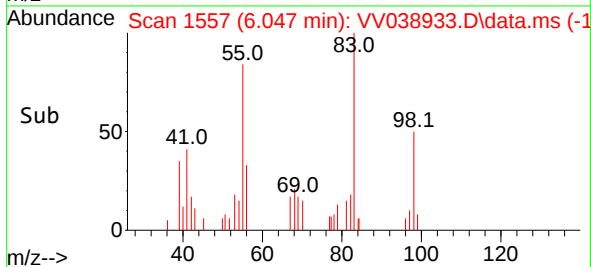
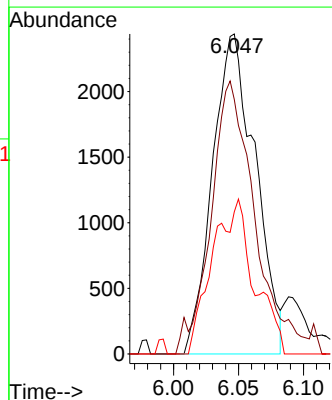
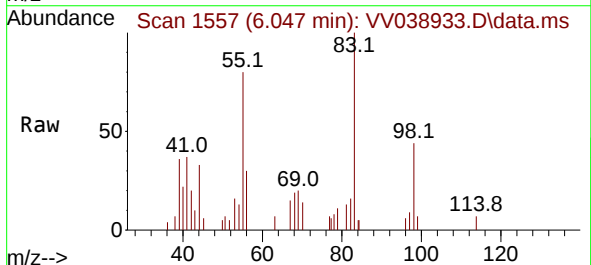
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

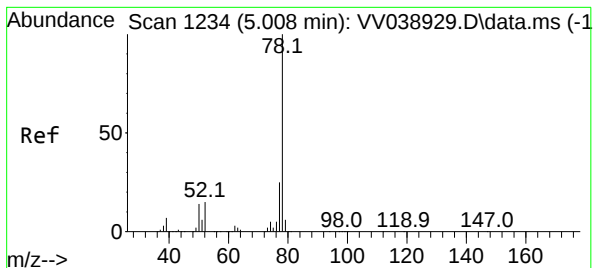
Tgt Ion: 117 Resp: 6308  
Ion Ratio Lower Upper  
117 100  
119 81.2 74.9 112.3  
121 34.3 24.6 36.8



#39  
Methylcyclohexane  
Concen: 0.904 ug/l  
RT: 6.047 min Scan# 1557  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 83 Resp: 5600  
Ion Ratio Lower Upper  
83 100  
55 69.2 60.8 91.2  
98 44.4 38.6 57.8





#40

Benzene

Concen: 0.387 ug/l

RT: 5.015 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

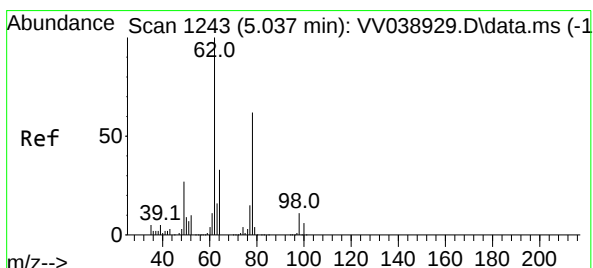
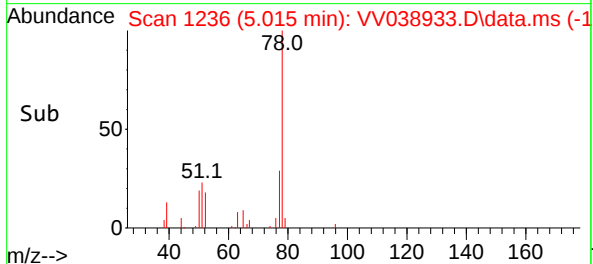
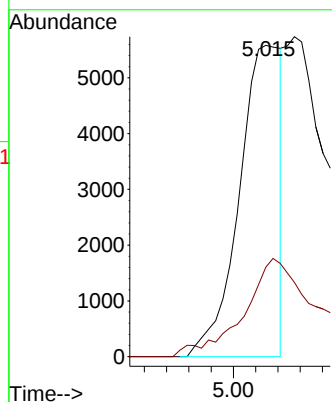
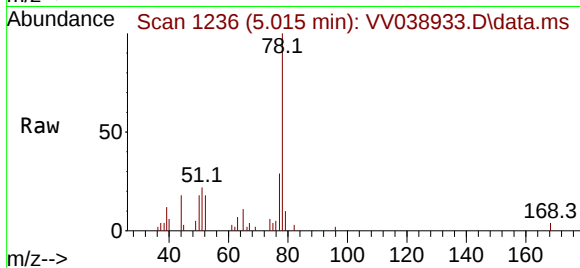
VSTDIC001

Tgt Ion: 78 Resp: 7284

Ion Ratio Lower Upper

78 100

77 26.7 19.6 29.4



#42

1,2-Dichloroethane

Concen: 1.080 ug/l

RT: 5.060 min Scan# 1250

Delta R.T. 0.023 min

Lab File: VV038933.D

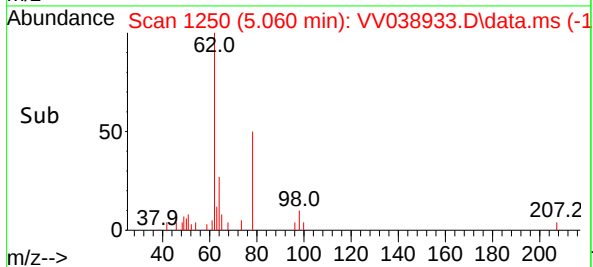
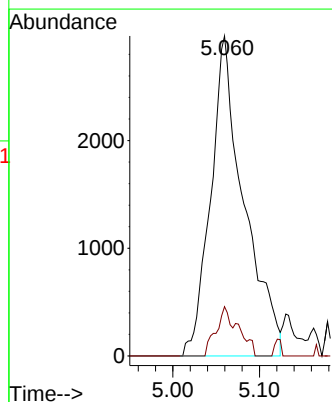
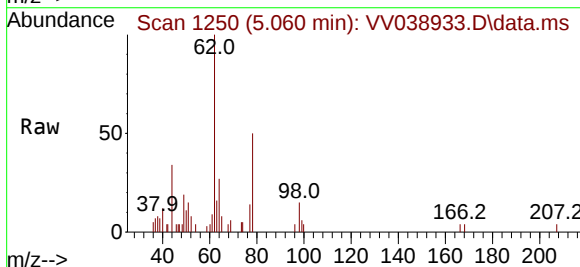
Acq: 08 Aug 2025 14:06

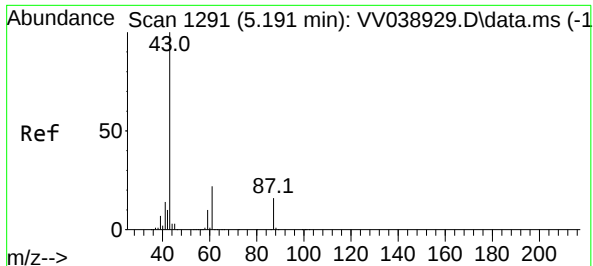
Tgt Ion: 62 Resp: 7903

Ion Ratio Lower Upper

62 100

98 6.8 0.0 19.6

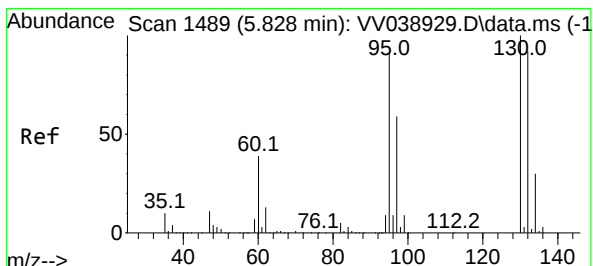
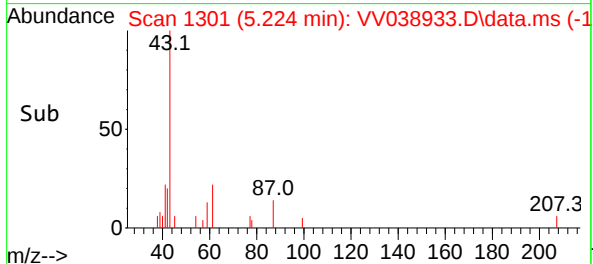
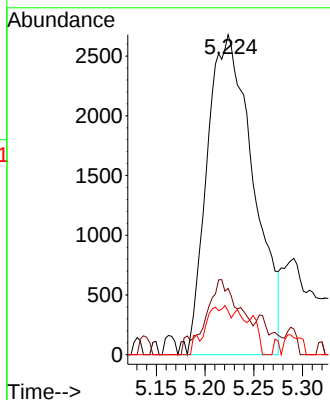
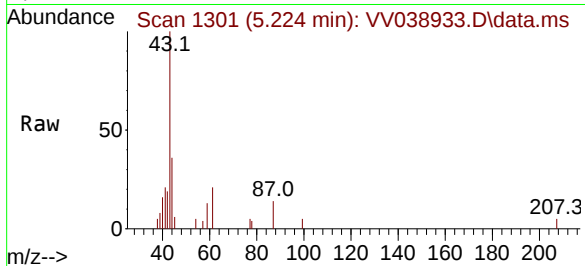




#43  
Isopropyl Acetate  
Concen: 0.844 ug/l  
RT: 5.224 min Scan# 11  
Delta R.T. 0.032 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

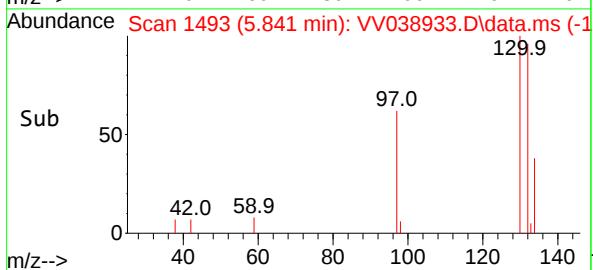
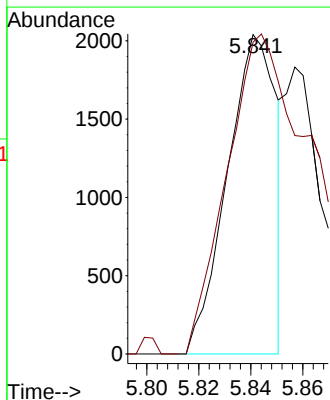
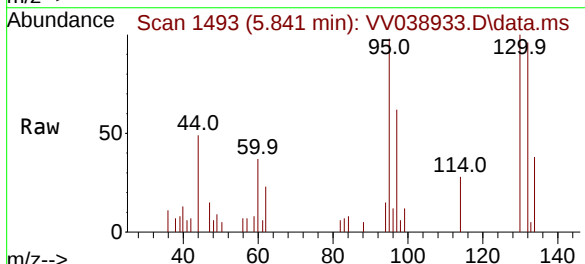
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

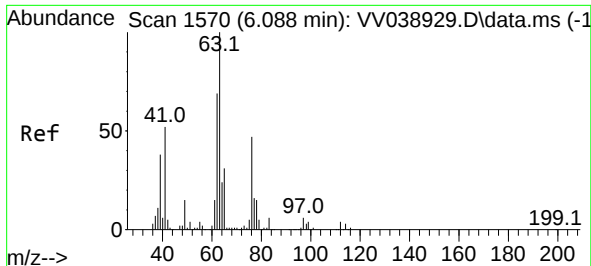
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 8861  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.4  | 17.0  | 25.6# |
| 87       | 2.7   | 12.2  | 18.4# |



#44  
Trichloroethene  
Concen: 0.535 ug/l  
RT: 5.841 min Scan# 1493  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 2648  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 97.6  | 0.0   | 181.2 |





#45

1,2-Dichloropropane

Concen: 1.017 ug/l

RT: 6.105 min Scan# 1575

Delta R.T. 0.016 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

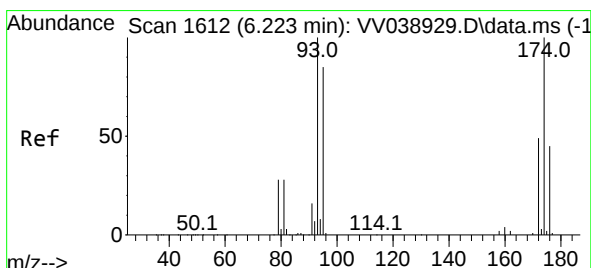
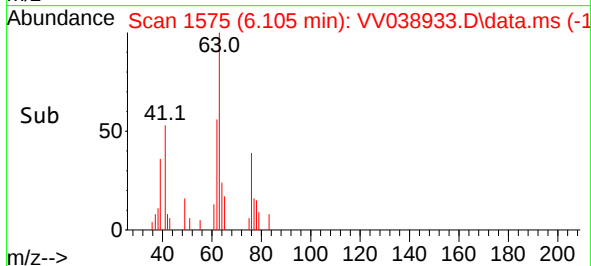
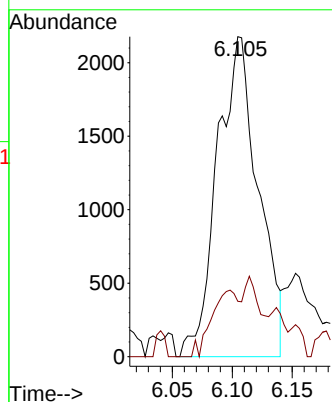
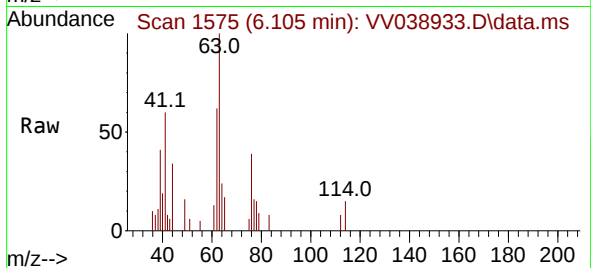
VSTDICC001

Tgt Ion: 63 Resp: 5180

Ion Ratio Lower Upper

63 100

65 17.3 25.0 37.6#



#46

Dibromomethane

Concen: 0.428 ug/l

RT: 6.240 min Scan# 1617

Delta R.T. 0.016 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

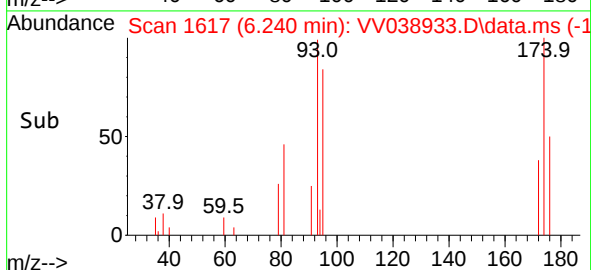
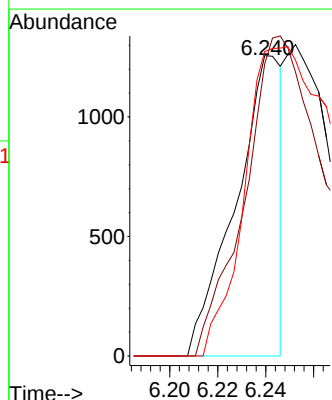
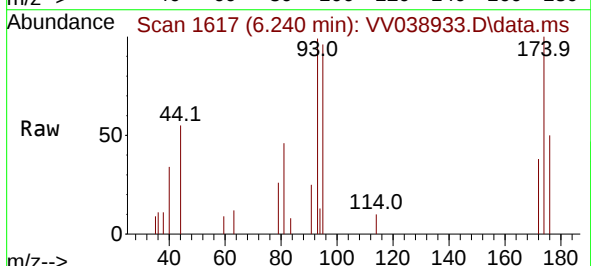
Tgt Ion: 93 Resp: 1664

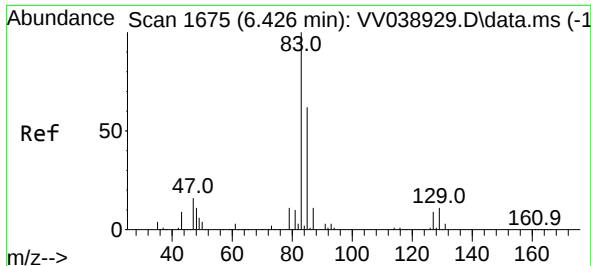
Ion Ratio Lower Upper

93 100

95 195.9 67.8 101.6#

174 211.5 77.4 116.0#

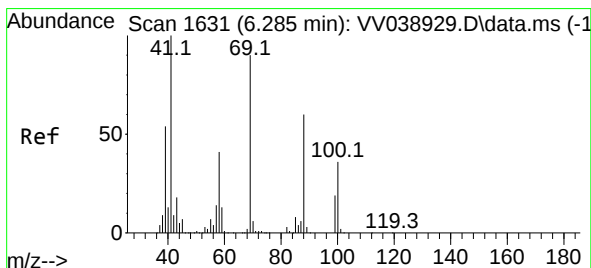
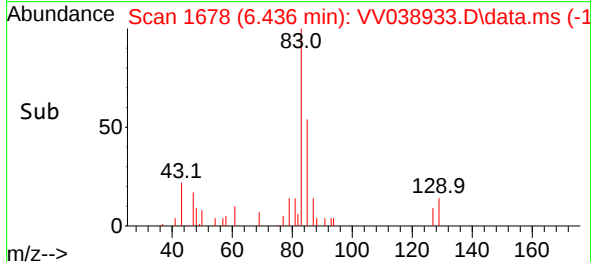
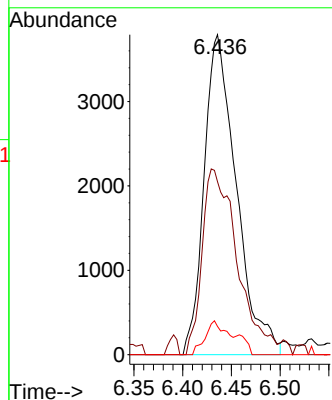
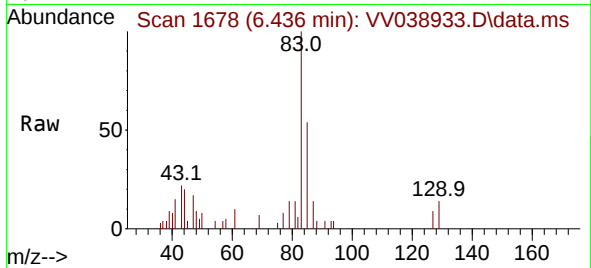




#47  
Bromodichloromethane  
Concen: 1.008 ug/l  
RT: 6.436 min Scan# 1675  
Delta R.T. 0.010 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

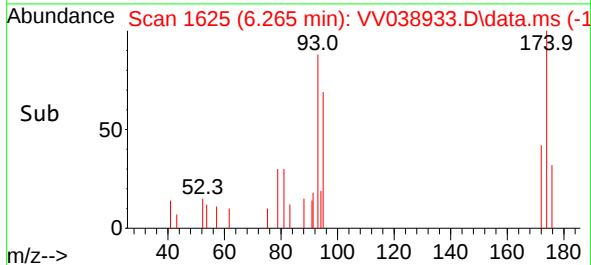
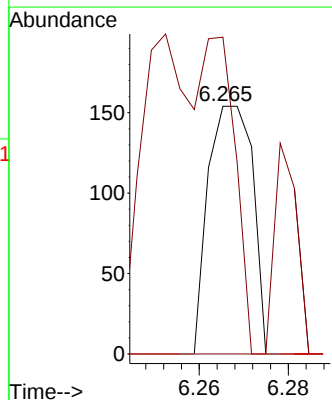
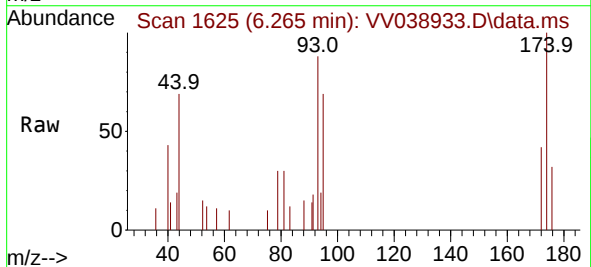
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

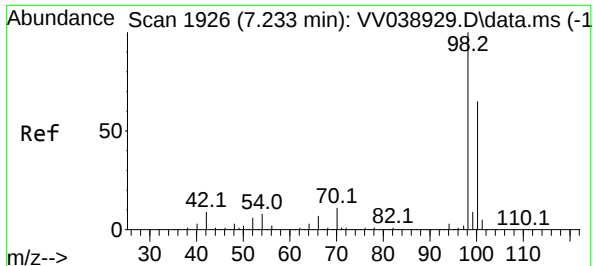
Tgt Ion: 83 Resp: 8719  
Ion Ratio Lower Upper  
83 100  
85 54.1 49.8 74.6  
127 8.9 7.1 10.7



#49  
1,4-Dioxane  
Concen: 1.078 ug/l  
RT: 6.265 min Scan# 1625  
Delta R.T. -0.019 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 88 Resp: 107  
Ion Ratio Lower Upper  
88 100  
43 146.7 24.2 36.2#  
58 0.0 55.4 83.2#





#50

Toluene-d8

Concen: 0.883 ug/l

RT: 7.249 min Scan# 1931

Delta R.T. 0.016 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

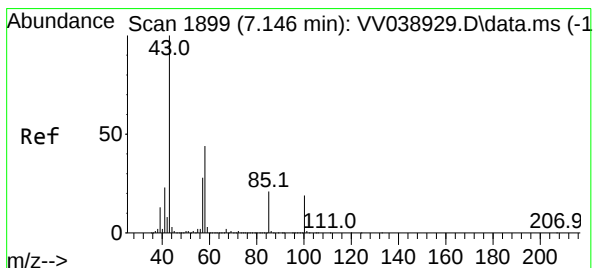
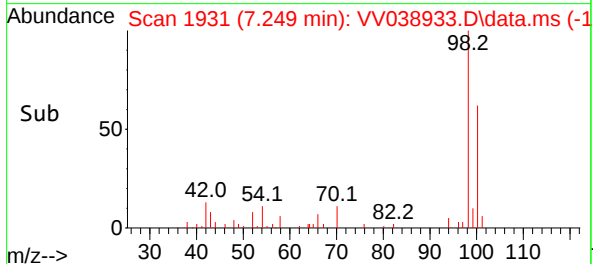
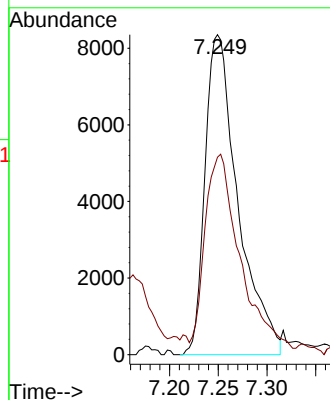
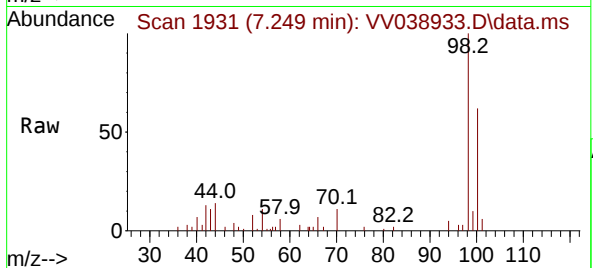
VSTDICC001

Tgt Ion: 98 Resp: 19630

Ion Ratio Lower Upper

98 100

100 63.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 3.837 ug/l

RT: 7.162 min Scan# 1904

Delta R.T. 0.016 min

Lab File: VV038933.D

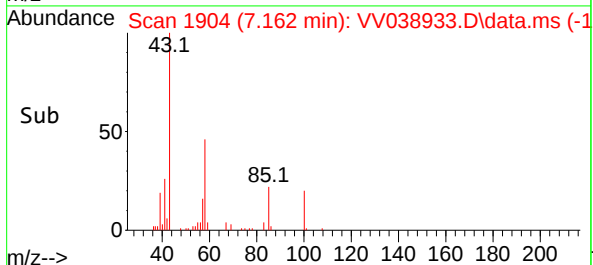
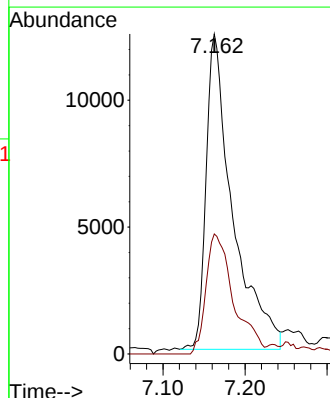
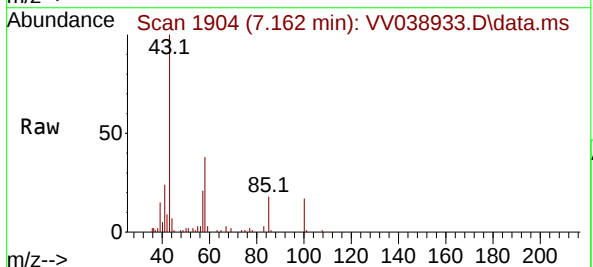
Acq: 08 Aug 2025 14:06

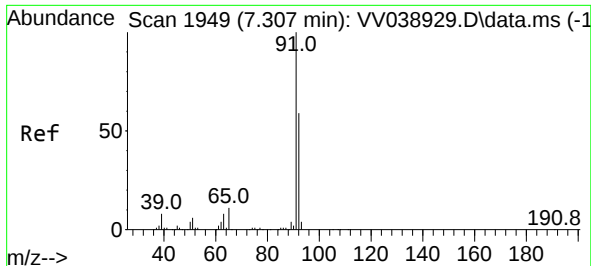
Tgt Ion: 43 Resp: 27910

Ion Ratio Lower Upper

43 100

58 39.6 34.2 51.2

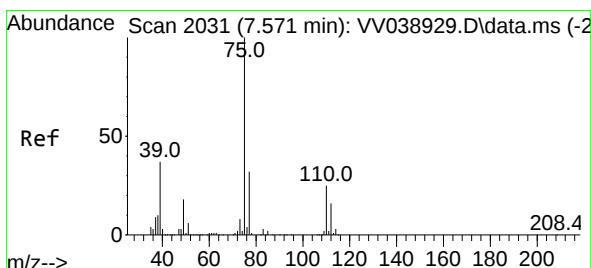
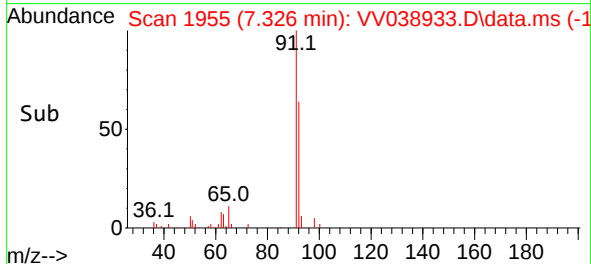
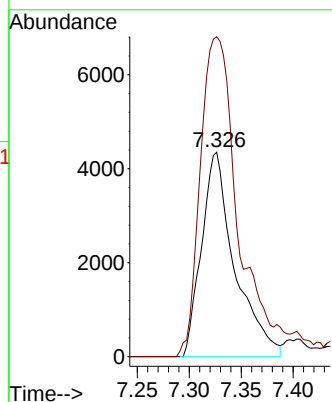
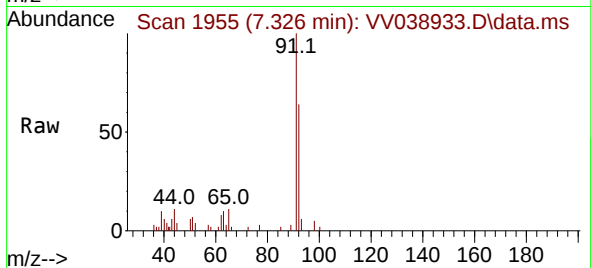




#52  
Toluene  
Concen: 0.811 ug/l  
RT: 7.326 min Scan# 1949  
Delta R.T. 0.019 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

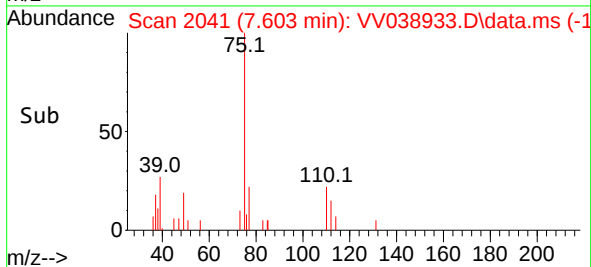
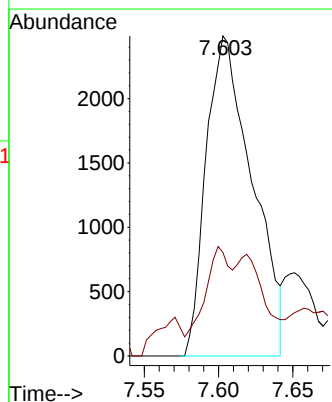
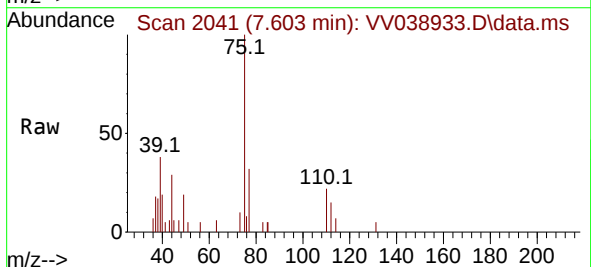
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

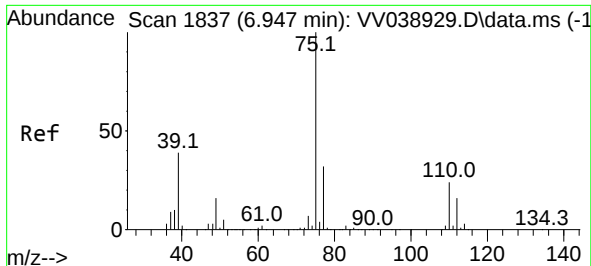
Tgt Ion: 92 Resp: 9642  
Ion Ratio Lower Upper  
92 100  
91 179.6 136.8 205.2



#53  
t-1,3-Dichloropropene  
Concen: 0.710 ug/l  
RT: 7.603 min Scan# 2041  
Delta R.T. 0.032 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 75 Resp: 5374  
Ion Ratio Lower Upper  
75 100  
77 23.4 25.3 37.9#

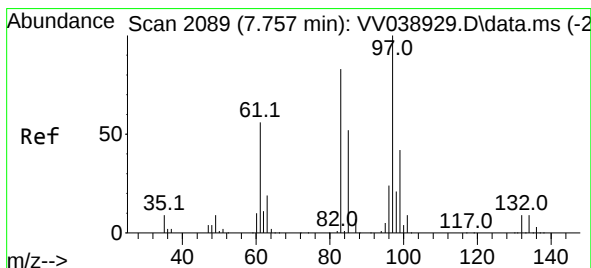
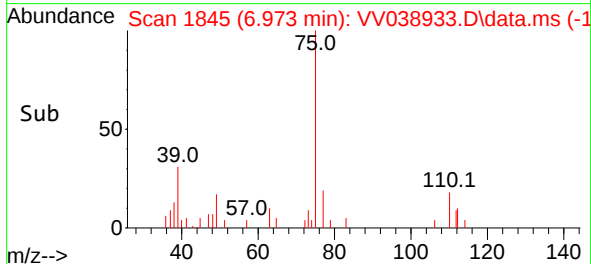
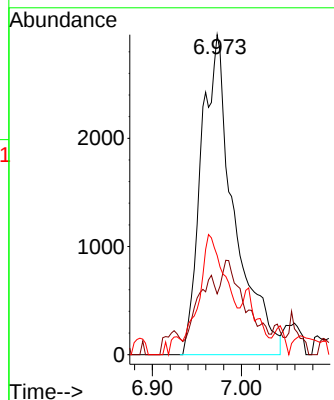
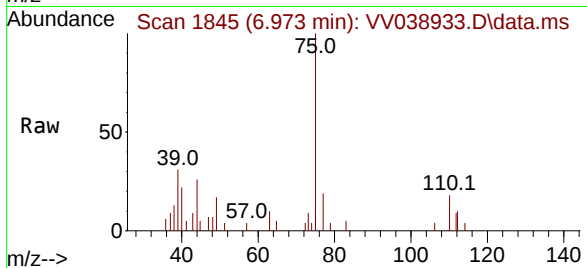




#54  
 cis-1,3-Dichloropropene  
 Concen: 0.918 ug/l  
 RT: 6.973 min Scan# 1845  
 Delta R.T. 0.026 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

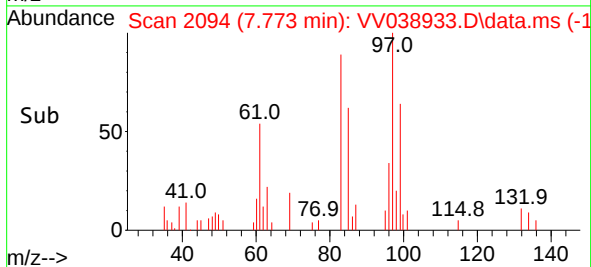
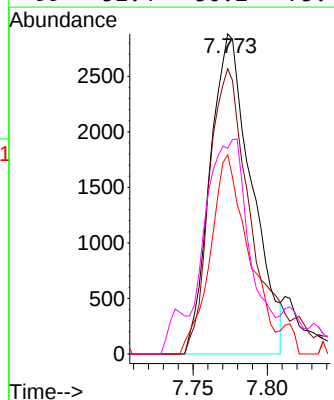
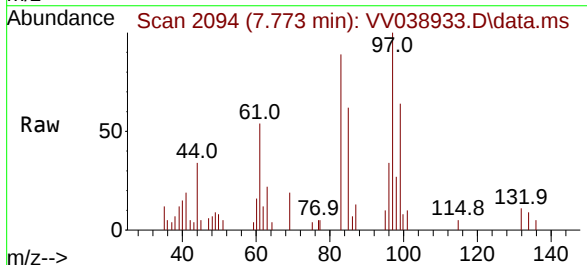
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

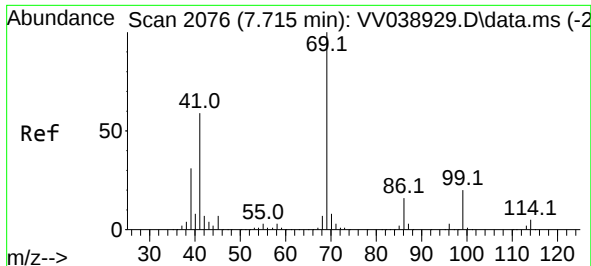
Tgt Ion: 75 Resp: 7580  
 Ion Ratio Lower Upper  
 75 100  
 77 13.9 25.2 37.8#  
 39 26.1 31.6 47.4#



#55  
 1,1,2-Trichloroethane  
 Concen: 0.962 ug/l  
 RT: 7.773 min Scan# 2094  
 Delta R.T. 0.016 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion: 97 Resp: 5594  
 Ion Ratio Lower Upper  
 97 100  
 83 89.2 66.2 99.4  
 85 62.3 42.9 64.3  
 99 52.4 50.2 75.4

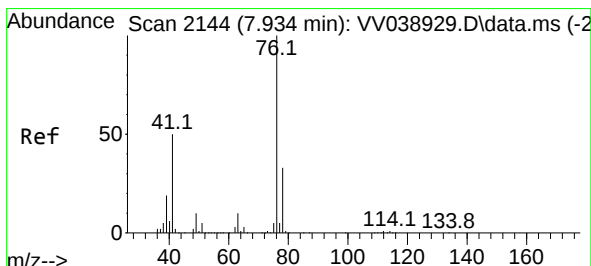
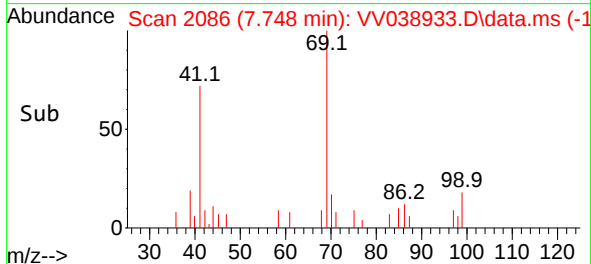
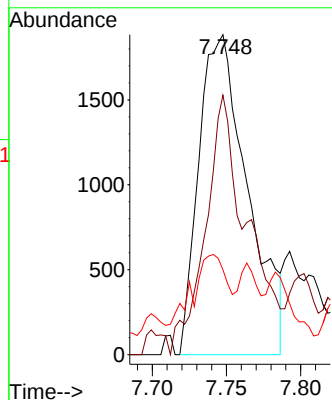
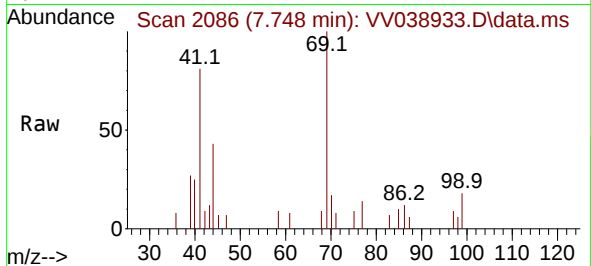




#56  
Ethyl methacrylate  
Concen: 1.885 ug/l  
RT: 7.748 min Scan# 2076  
Delta R.T. 0.033 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

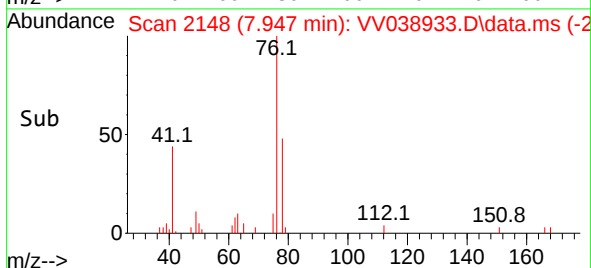
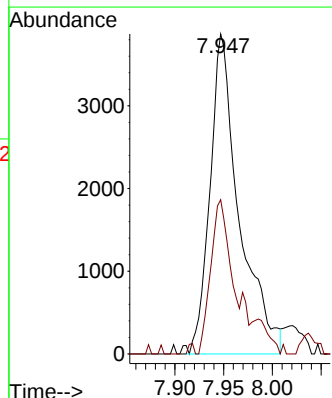
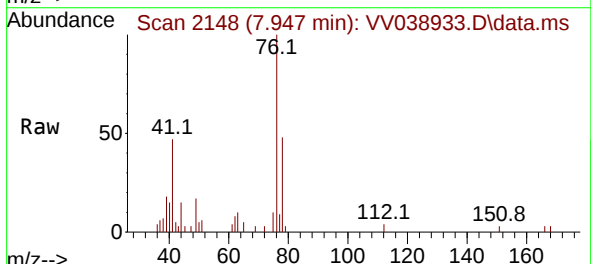
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

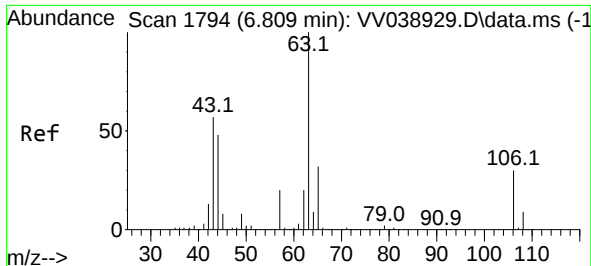
Tgt Ion: 69 Resp: 4311  
Ion Ratio Lower Upper  
69 100  
41 69.0 45.8 68.8#  
39 16.7 23.4 35.0#



#57  
1,3-Dichloropropane  
Concen: 0.909 ug/l  
RT: 7.947 min Scan# 2148  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 76 Resp: 8086  
Ion Ratio Lower Upper  
76 100  
78 32.9 25.9 38.9





#58

2-Chloroethyl Vinyl ether

Concen: 3.246 ug/l

RT: 6.838 min Scan# 11078

Delta R.T. 0.029 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

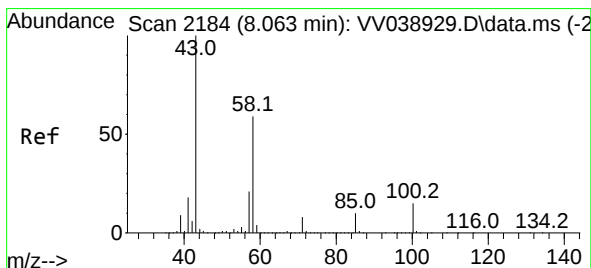
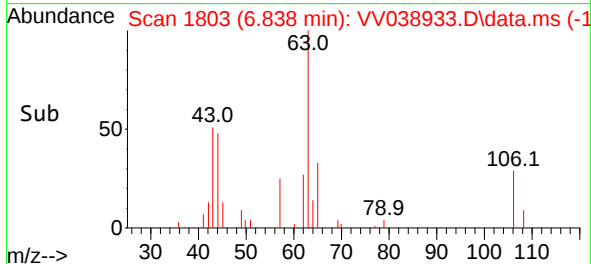
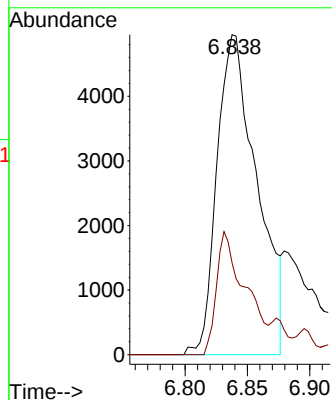
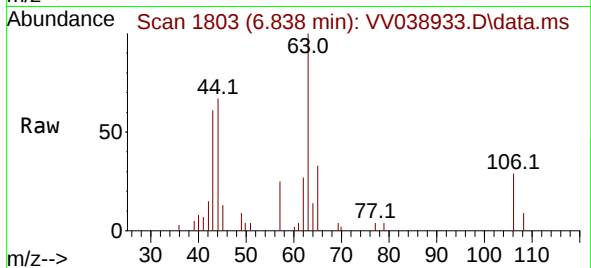
VSTDIC001

Tgt Ion: 63 Resp: 11078

Ion Ratio Lower Upper

63 100

106 28.0 24.1 36.1



#59

2-Hexanone

Concen: 3.594 ug/l

RT: 8.085 min Scan# 2191

Delta R.T. 0.023 min

Lab File: VV038933.D

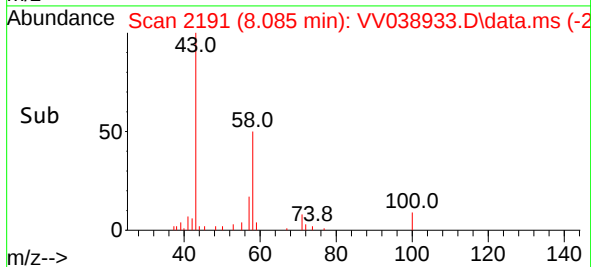
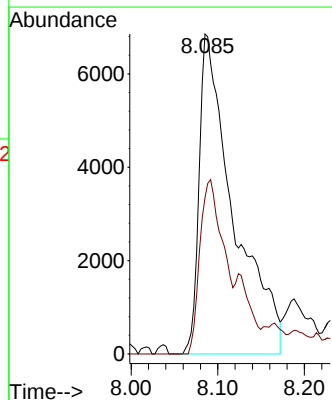
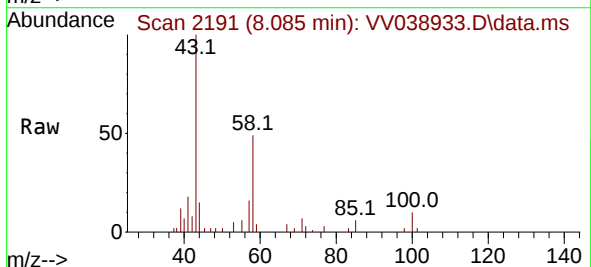
Acq: 08 Aug 2025 14:06

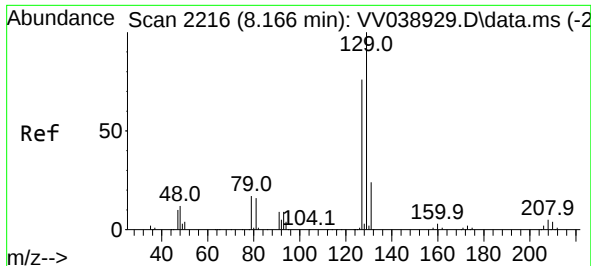
Tgt Ion: 43 Resp: 18869

Ion Ratio Lower Upper

43 100

58 37.6 29.3 87.8

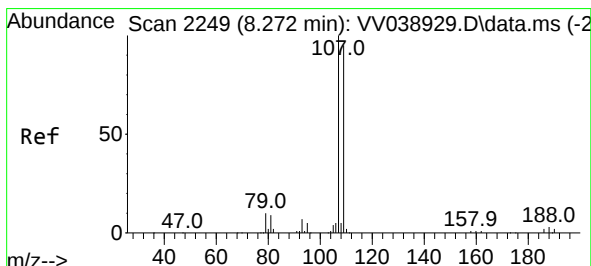
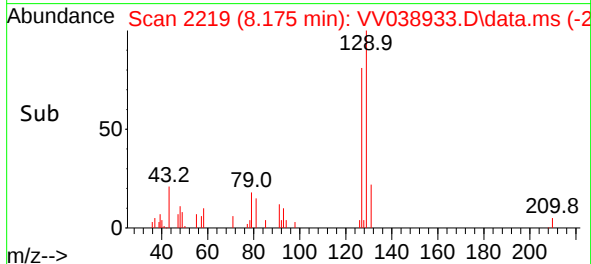
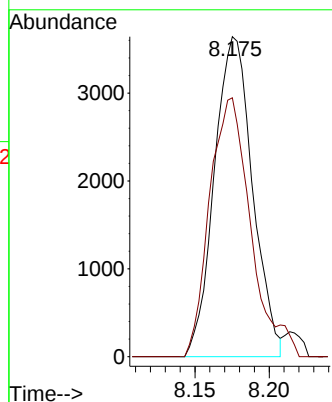
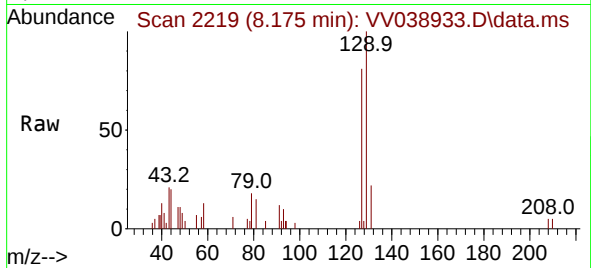




#60  
 Dibromochloromethane  
 Concen: 0.914 ug/l  
 RT: 8.175 min Scan# 211  
 Delta R.T. 0.010 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

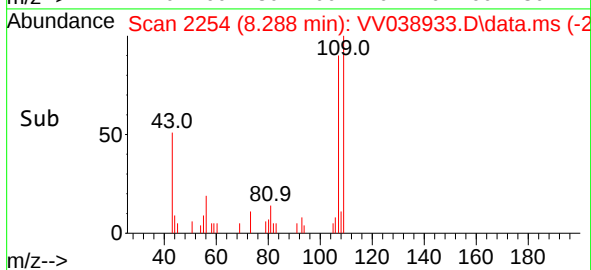
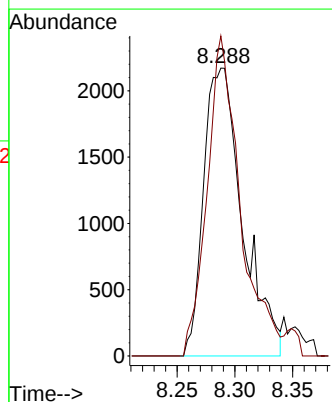
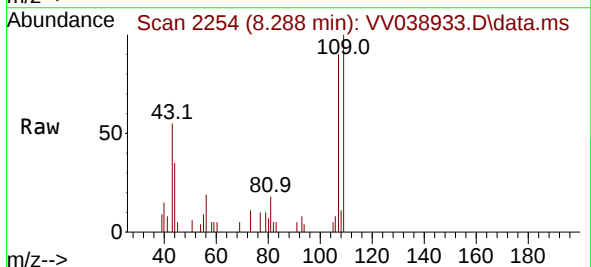
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

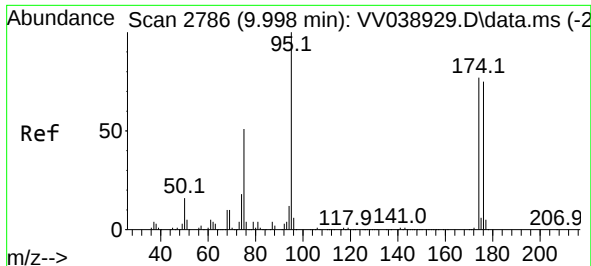
Tgt Ion:129 Resp: 6513  
 Ion Ratio Lower Upper  
 129 100  
 127 86.8 38.2 114.6



#61  
 1,2-Dibromoethane  
 Concen: 0.881 ug/l  
 RT: 8.288 min Scan# 2254  
 Delta R.T. 0.016 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion:107 Resp: 5085  
 Ion Ratio Lower Upper  
 107 100  
 109 94.2 76.2 114.2

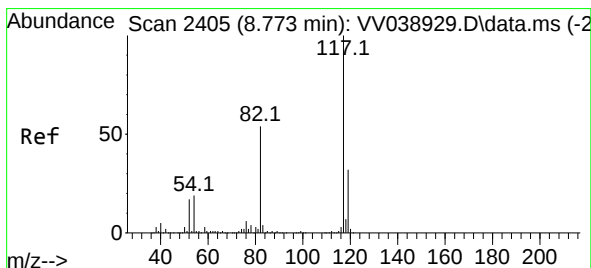
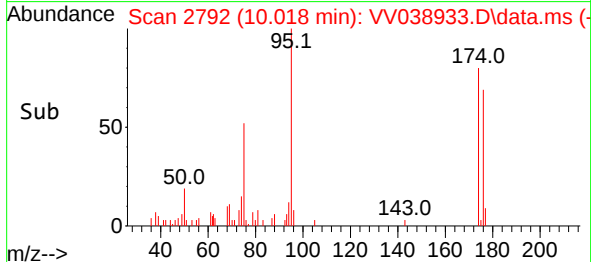
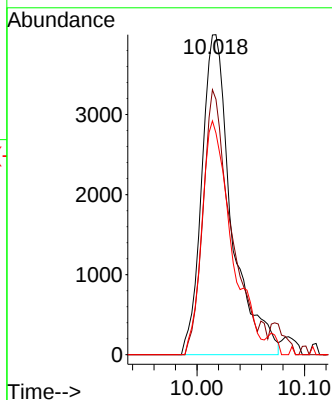
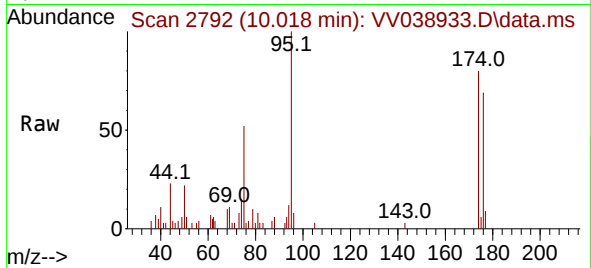




#62  
4-Bromofluorobenzene  
Concen: 0.964 ug/l  
RT: 10.018 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

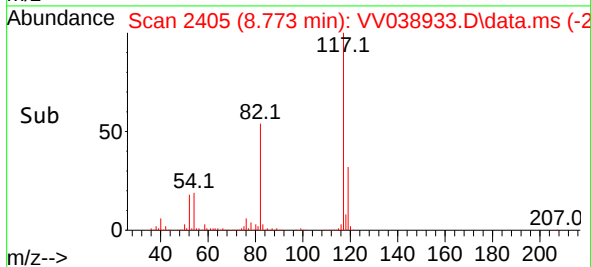
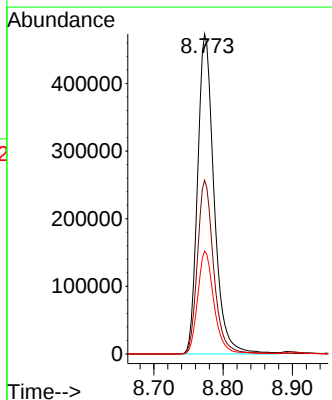
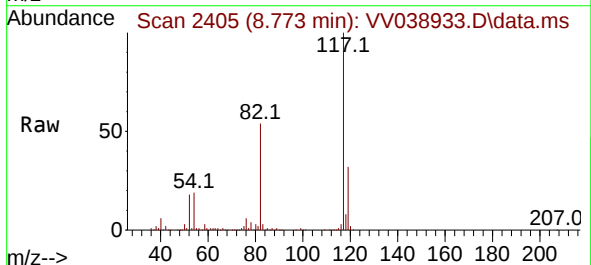
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

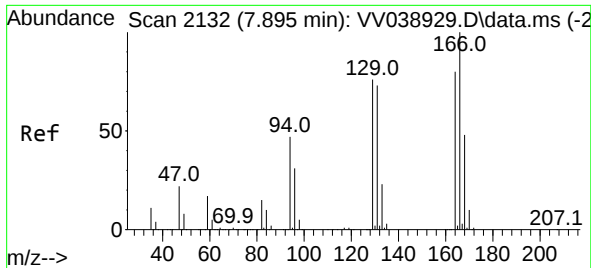
Tgt Ion: 95 Resp: 7718  
Ion Ratio Lower Upper  
95 100  
174 76.5 0.0 156.6  
176 72.6 0.0 153.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.773 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 117 Resp: 783845  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.2 64.8  
119 32.1 25.6 38.4

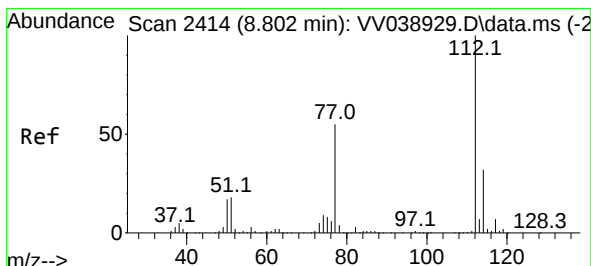
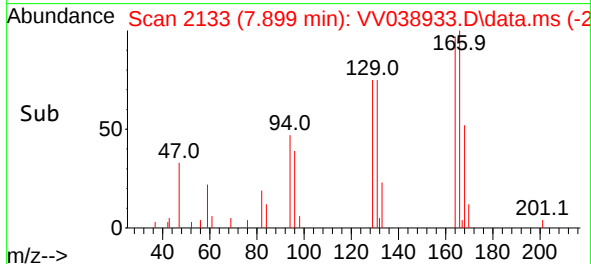
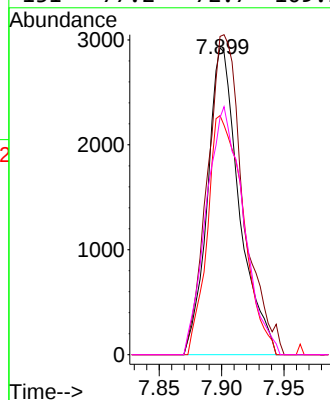
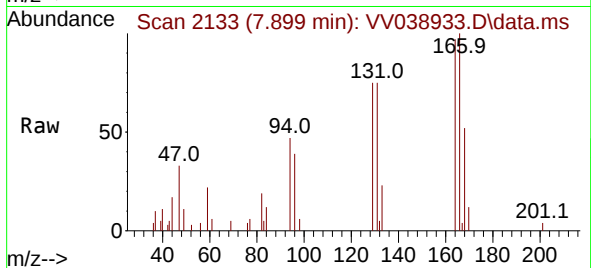




#64  
Tetrachloroethene  
Concen: 1.128 ug/l  
RT: 7.899 min Scan# 2132  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

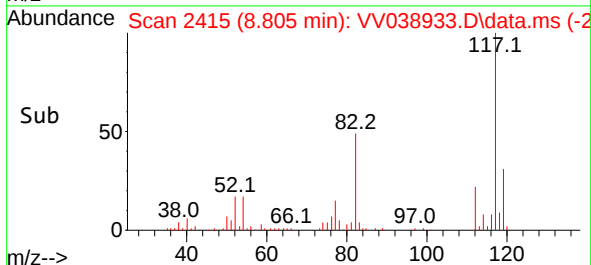
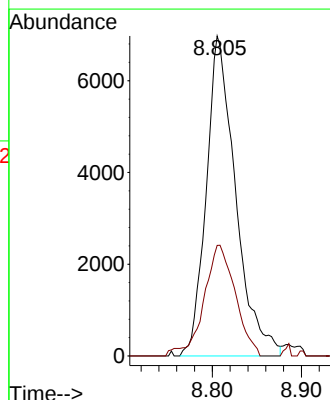
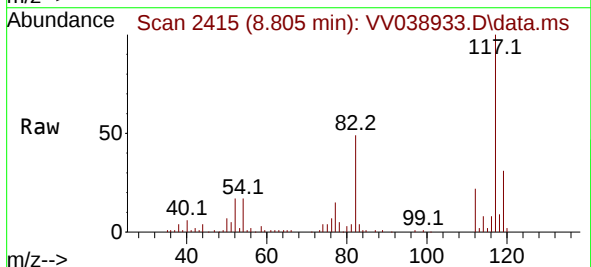
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

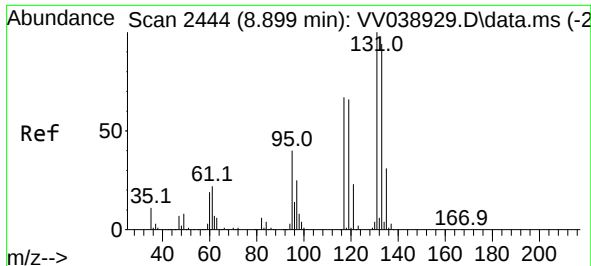
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 5191  |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 103.6 | 100.2 | 150.4 |
| 129       | 77.8  | 76.7  | 115.1 |
| 131       | 77.2  | 72.7  | 109.1 |



#65  
Chlorobenzene  
Concen: 1.042 ug/l  
RT: 8.805 min Scan# 2415  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 15965 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 114       | 34.6  | 25.6  | 38.4  |

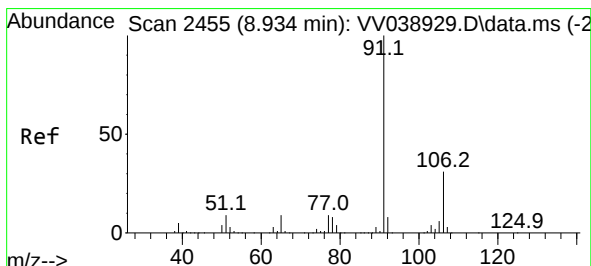
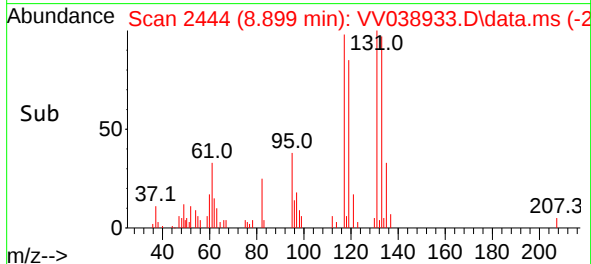
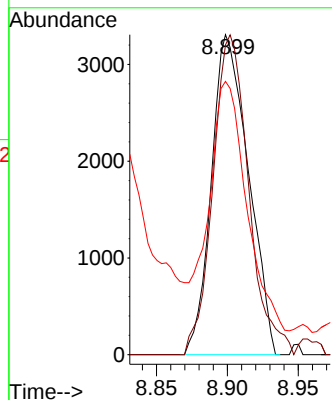
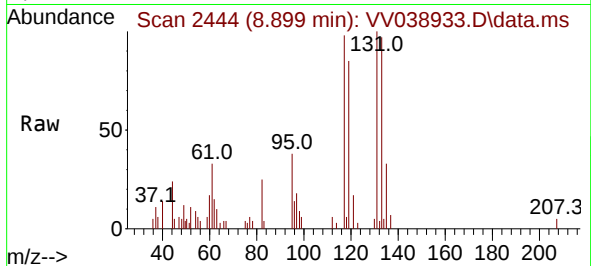




#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 0.995 ug/l  
 RT: 8.899 min Scan# 2444  
 Delta R.T. 0.000 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

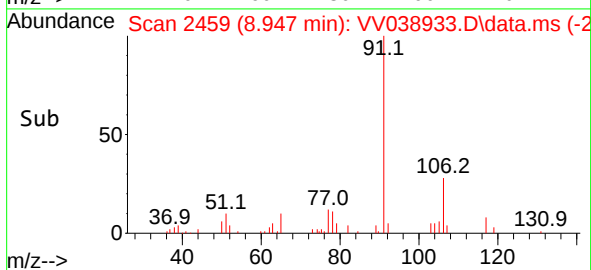
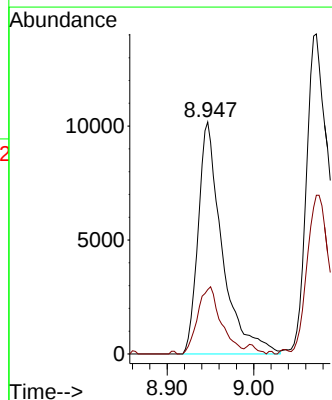
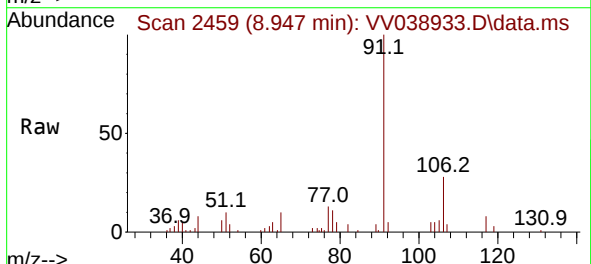
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

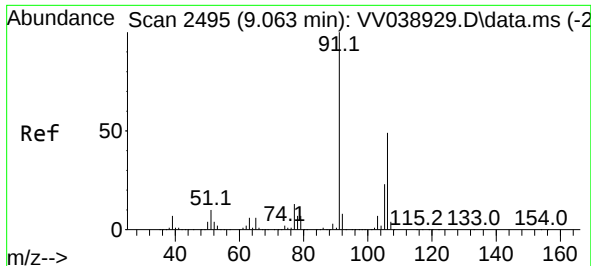
Tgt Ion:131 Resp: 5998  
 Ion Ratio Lower Upper  
 131 100  
 133 96.8 47.5 142.5  
 119 0.0 32.8 98.3#



#67  
 Ethyl Benzene  
 Concen: 0.870 ug/l  
 RT: 8.947 min Scan# 2459  
 Delta R.T. 0.013 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion: 91 Resp: 19576  
 Ion Ratio Lower Upper  
 91 100  
 106 27.7 25.0 37.6

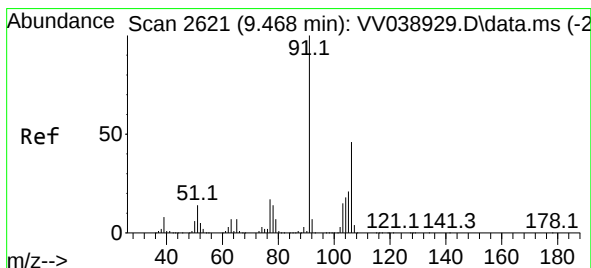
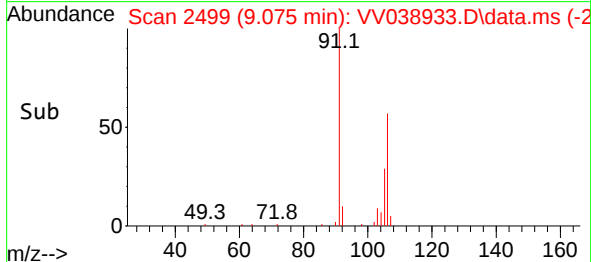
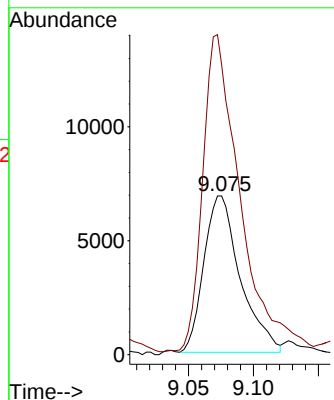
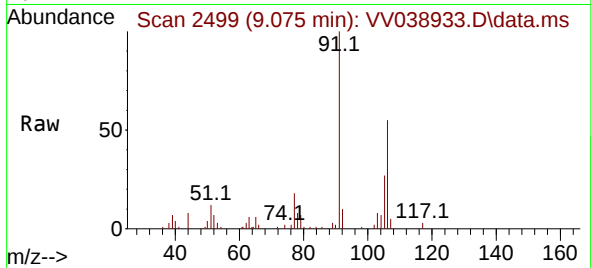




#68  
m/p-Xylenes  
Concen: 1.543 ug/l  
RT: 9.075 min Scan# 2495  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

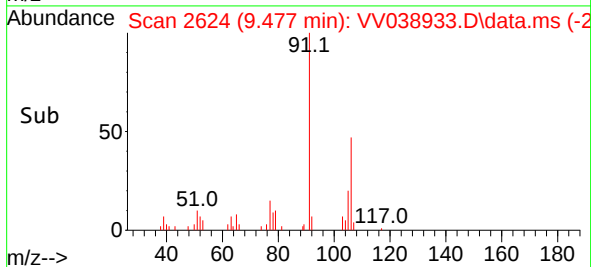
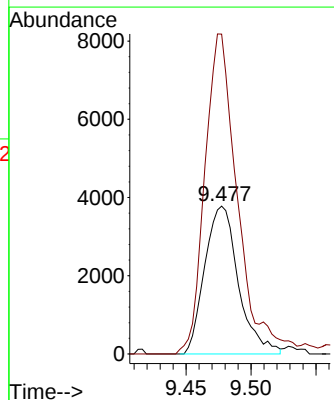
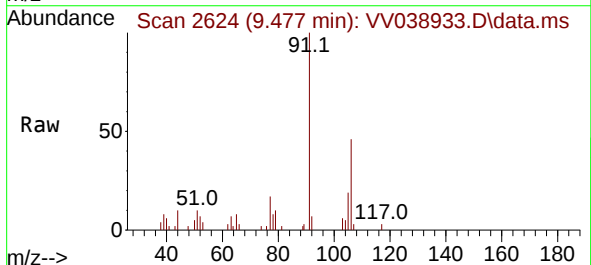
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

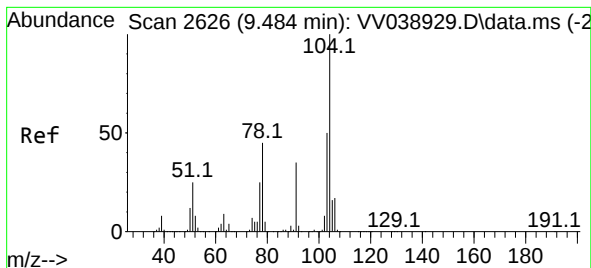
Tgt Ion:106 Resp: 13387  
Ion Ratio Lower Upper  
106 100  
91 208.8 163.4 245.2



#69  
o-Xylene  
Concen: 0.836 ug/l  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.010 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion:106 Resp: 6822  
Ion Ratio Lower Upper  
106 100  
91 209.8 109.1 327.3





#70

Styrene

Concen: 0.811 ug/l

RT: 9.506 min Scan# 2633

Delta R.T. 0.023 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTDIC001

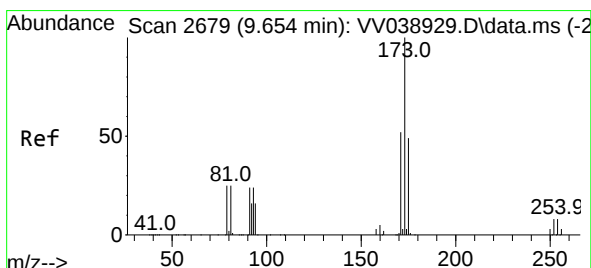
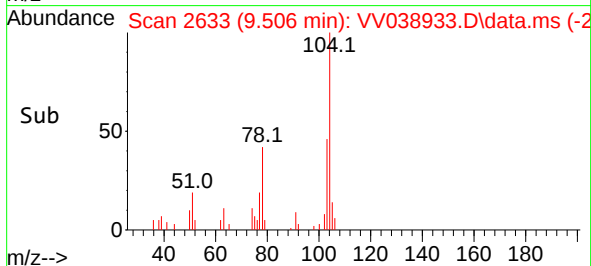
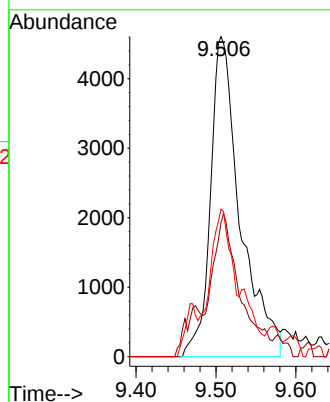
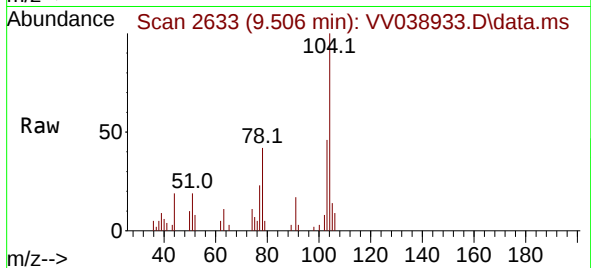
Tgt Ion:104 Resp: 11913

Ion Ratio Lower Upper

104 100

78 41.4 39.8 59.6

103 22.4 43.8 65.6#



#71

Bromoform

Concen: 1.022 ug/l

RT: 9.667 min Scan# 2683

Delta R.T. 0.013 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

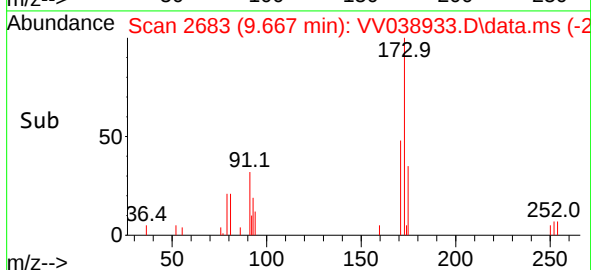
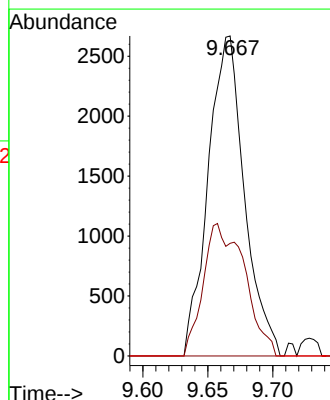
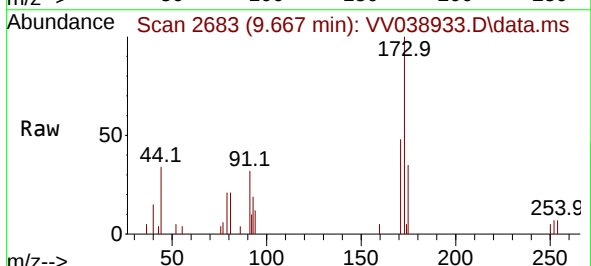
Tgt Ion:173 Resp: 5176

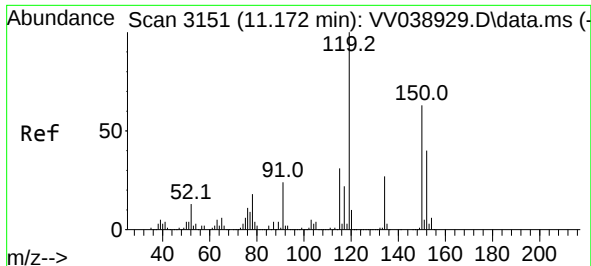
Ion Ratio Lower Upper

173 100

175 47.3 24.3 72.9

254 0.0 0.1 0.1#

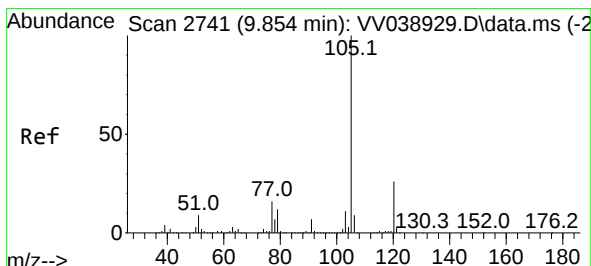
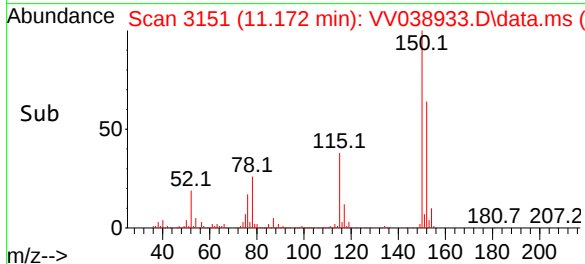
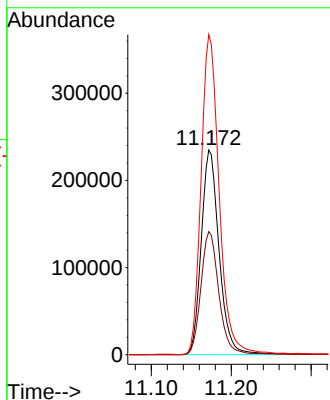
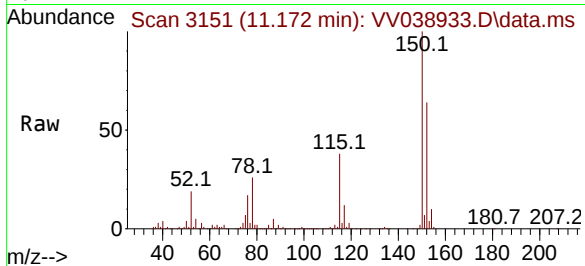




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.172 min Scan# 3151  
 Delta R.T. 0.000 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

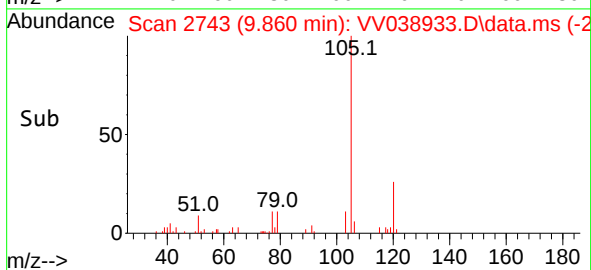
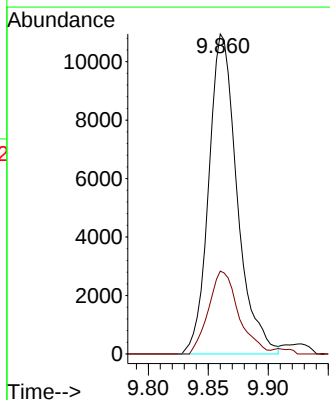
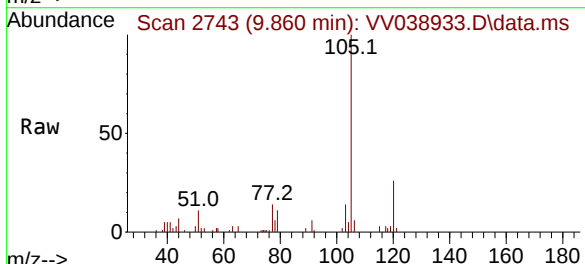
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDIC001

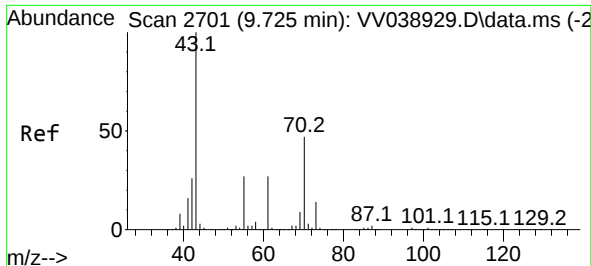
Tgt Ion:152 Resp: 365062  
 Ion Ratio Lower Upper  
 152 100  
 115 60.2 41.0 123.2  
 150 158.0 0.0 345.4



#73  
 Isopropylbenzene  
 Concen: 0.945 ug/l  
 RT: 9.860 min Scan# 2743  
 Delta R.T. 0.006 min  
 Lab File: VV038933.D  
 Acq: 08 Aug 2025 14:06

Tgt Ion:105 Resp: 18007  
 Ion Ratio Lower Upper  
 105 100  
 120 27.5 13.3 39.8

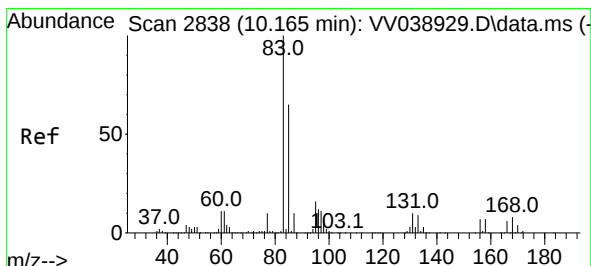
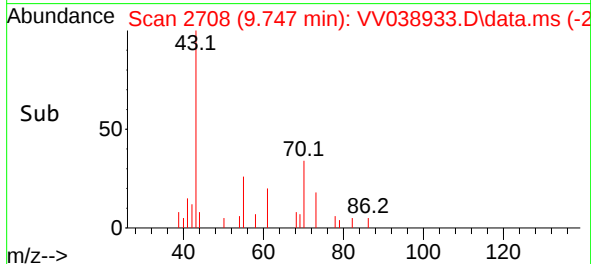
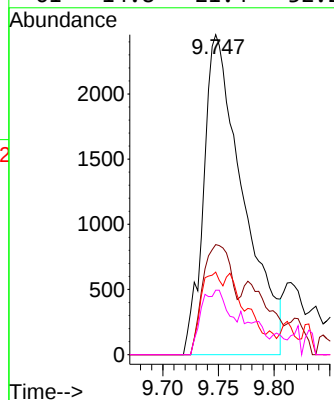
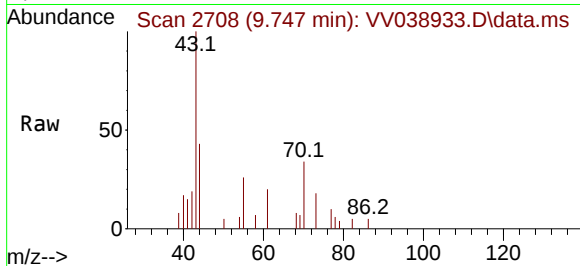




#74  
N-amy1 acetate  
Concen: 0.900 ug/l  
RT: 9.747 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

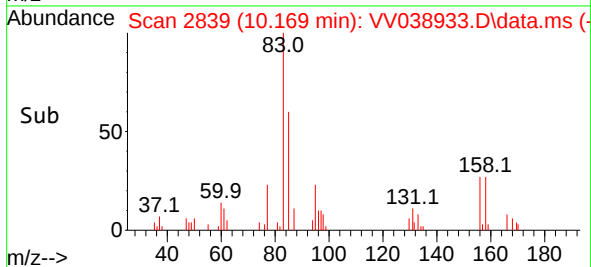
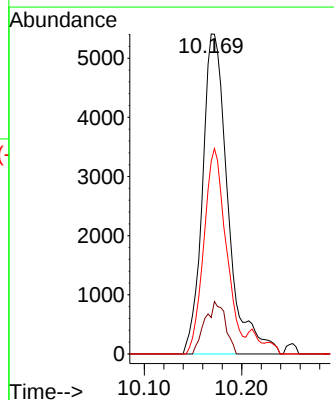
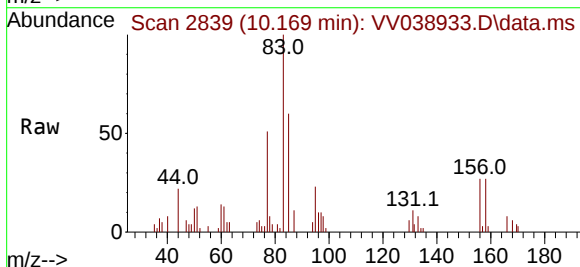
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC001

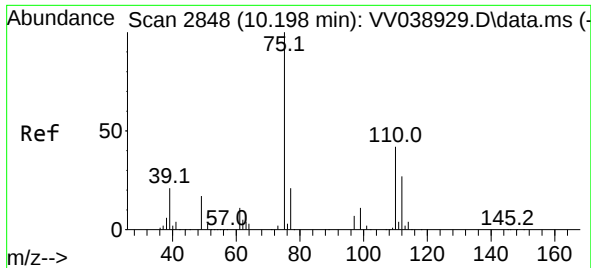
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 6028  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 25.7     | 37.4 56.0#  |
| 55 14.0     | 22.1 33.1#  |
| 61 14.8     | 21.4 32.2#  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.206 ug/l  
RT: 10.169 min Scan# 2839  
Delta R.T. 0.003 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 83 | Resp: | 9825  |       |
| Ion         | Ratio | Lower | Upper |
| 83          | 100   |       |       |
| 131         | 13.2  | 5.0   | 14.9  |
| 85          | 56.4  | 32.5  | 97.4  |

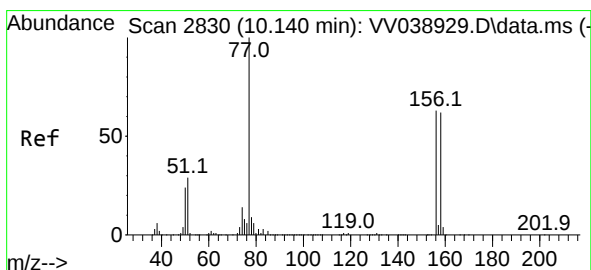
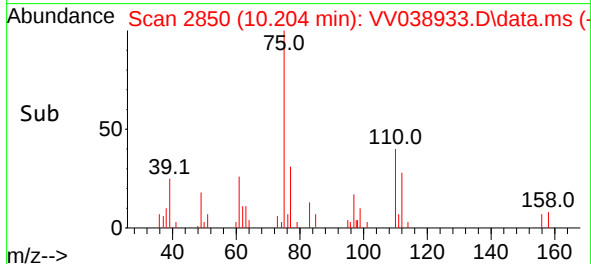
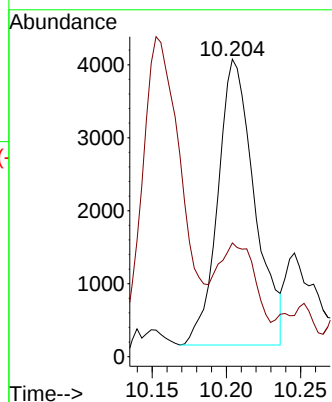
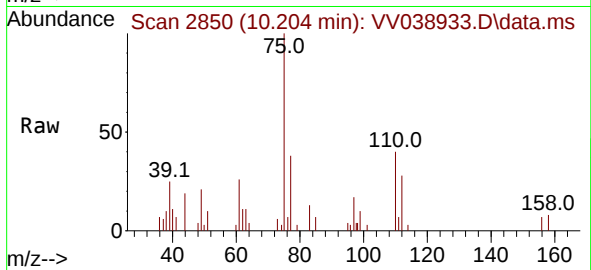




#76  
1,2,3-Trichloropropane  
Concen: 1.131 ug/l  
RT: 10.204 min Scan# 2848  
Delta R.T. 0.006 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

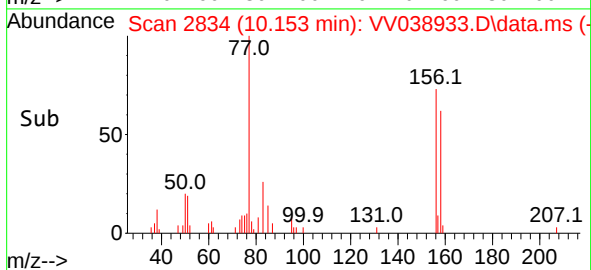
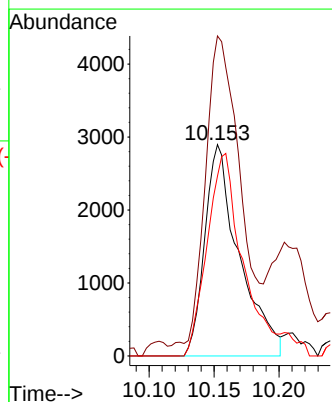
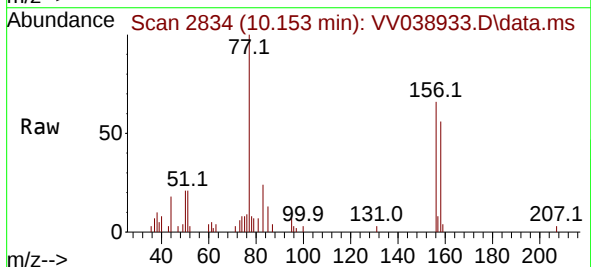
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

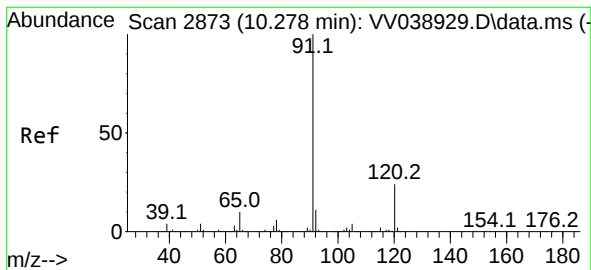
Tgt Ion: 75 Resp: 6748  
Ion Ratio Lower Upper  
75 100  
77 29.0 11.9 35.9



#77  
Bromobenzene  
Concen: 1.042 ug/l  
RT: 10.153 min Scan# 2834  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 156 Resp: 5328  
Ion Ratio Lower Upper  
156 100  
77 149.5 78.8 236.5  
158 103.8 49.6 148.8





#78

n-propylbenzene

Concen: 0.905 ug/l

RT: 10.284 min Scan# 2875

Delta R.T. 0.006 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

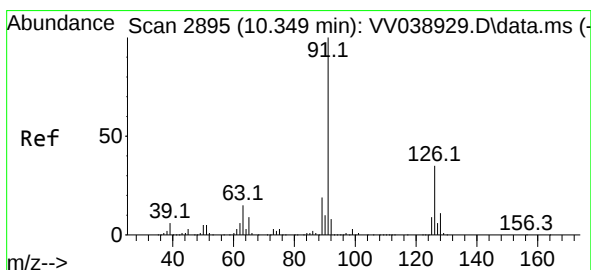
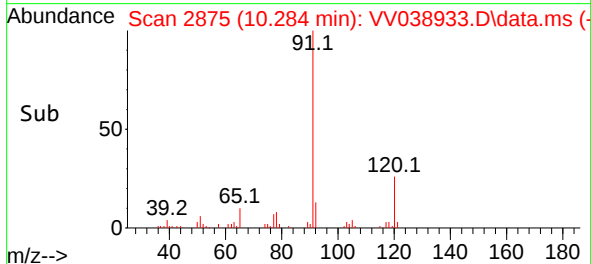
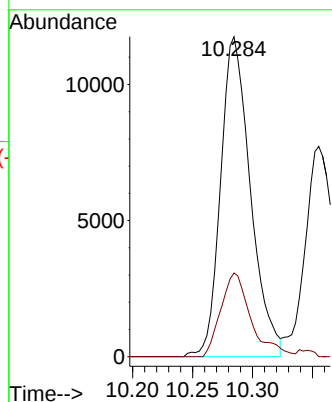
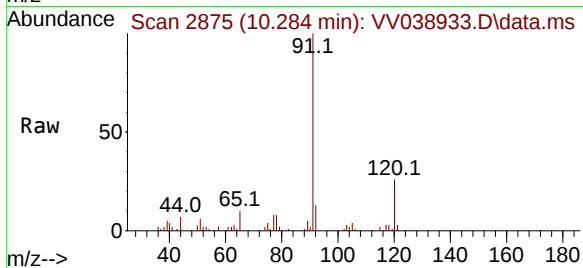
VSTDIC001

Tgt Ion: 91 Resp: 20336

Ion Ratio Lower Upper

91 100

120 26.5 11.9 35.7



#79

2-Chlorotoluene

Concen: 0.919 ug/l

RT: 10.355 min Scan# 2897

Delta R.T. 0.006 min

Lab File: VV038933.D

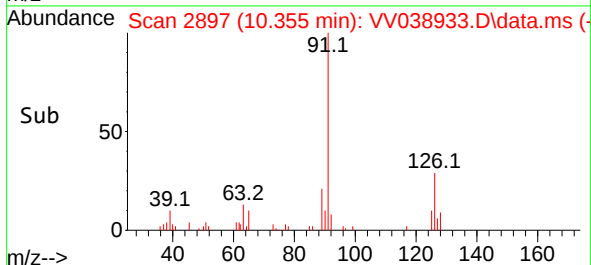
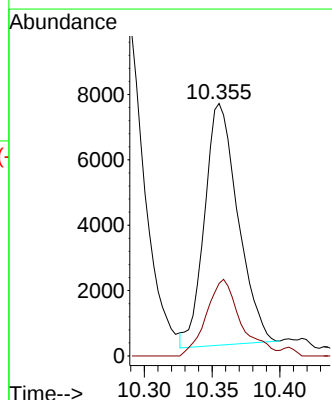
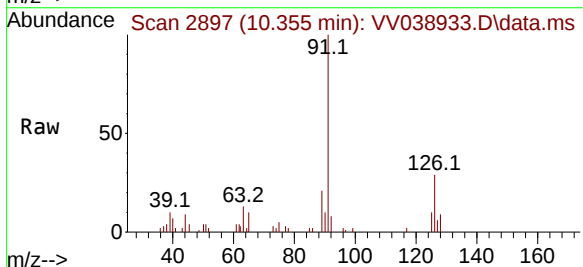
Acq: 08 Aug 2025 14:06

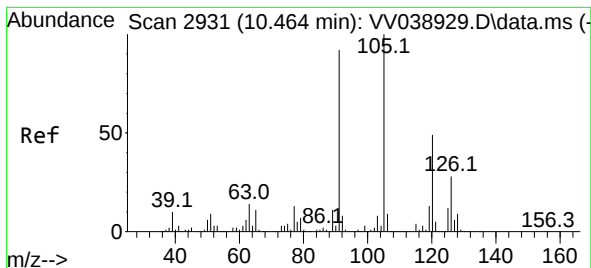
Tgt Ion: 91 Resp: 12677

Ion Ratio Lower Upper

91 100

126 32.7 17.3 51.7





#80

1,3,5-Trimethylbenzene

Concen: 0.866 ug/l

RT: 10.468 min Scan# 2931

Delta R.T. 0.003 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

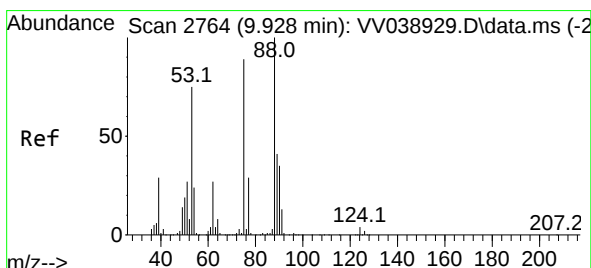
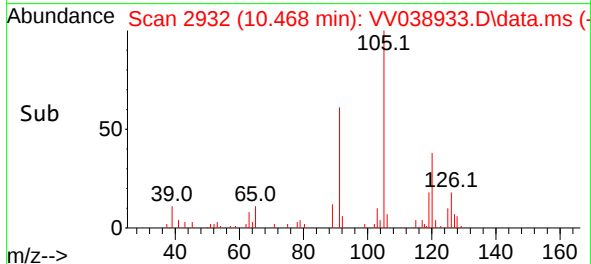
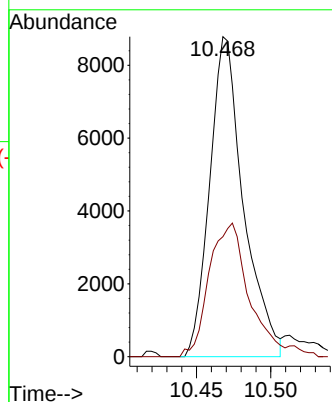
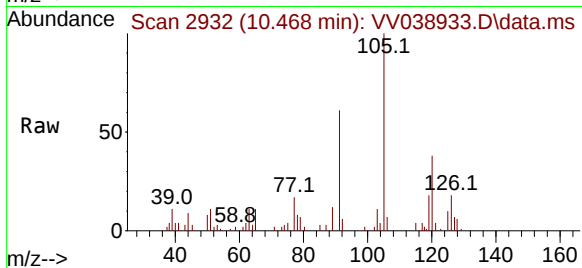
VSTDIC001

Tgt Ion:105 Resp: 13918

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6



#81

trans-1,4-Dichloro-2-butene

Concen: 0.872 ug/l

RT: 9.947 min Scan# 2770

Delta R.T. 0.019 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

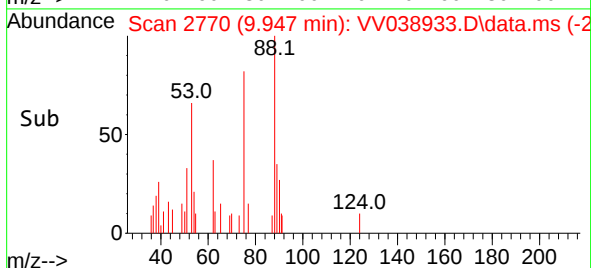
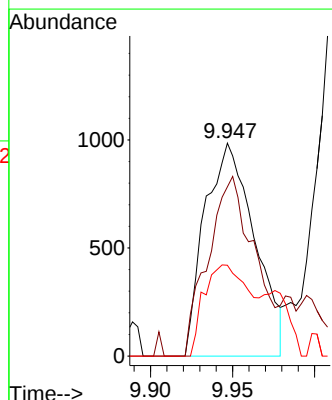
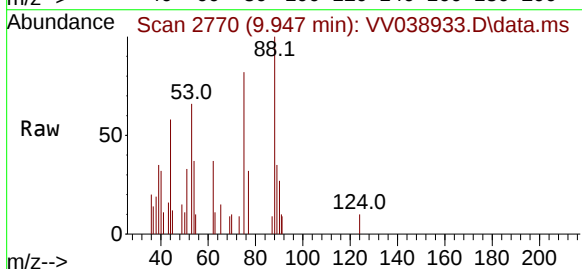
Tgt Ion: 75 Resp: 2077

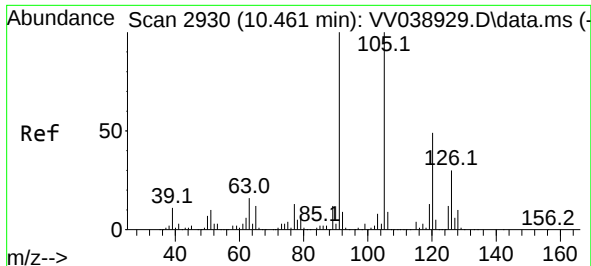
Ion Ratio Lower Upper

75 100

53 78.2 69.0 103.4

89 39.2 38.8 58.2

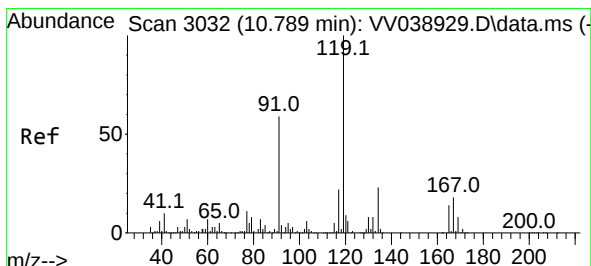
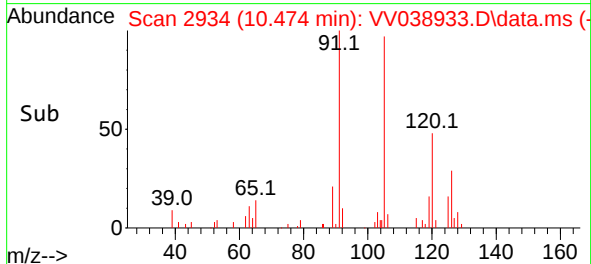
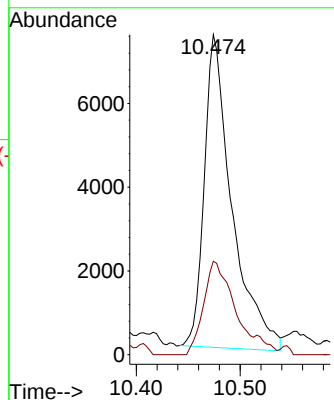
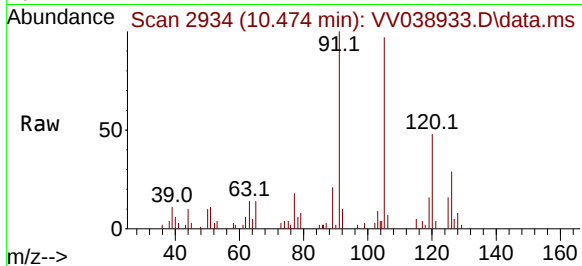




#82  
4-Chlorotoluene  
Concen: 0.855 ug/l  
RT: 10.474 min Scan# 2930  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

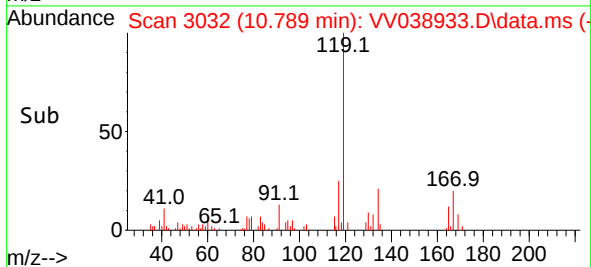
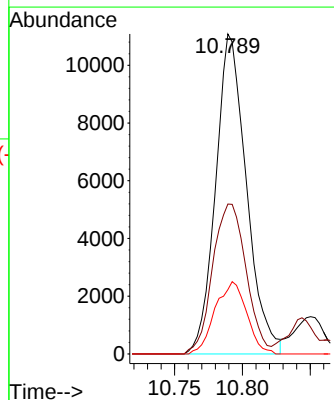
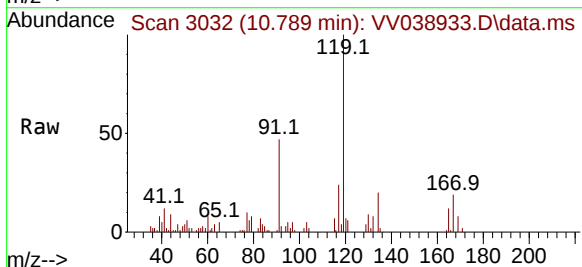
Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC001

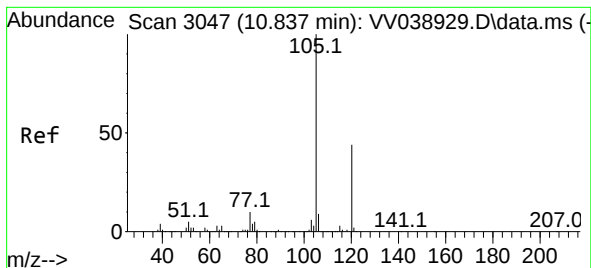
Tgt Ion: 91 Resp: 13795  
Ion Ratio Lower Upper  
91 100  
126 34.9 15.0 45.0



#83  
tert-Butylbenzene  
Concen: 1.022 ug/l  
RT: 10.789 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Tgt Ion: 119 Resp: 17496  
Ion Ratio Lower Upper  
119 100  
91 51.0 28.5 85.5  
134 23.2 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 0.881 ug/l

RT: 10.847 min Scan# 3047

Delta R.T. 0.010 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

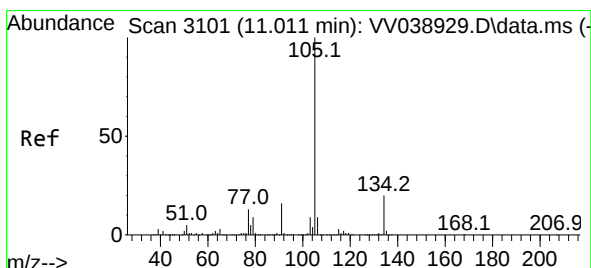
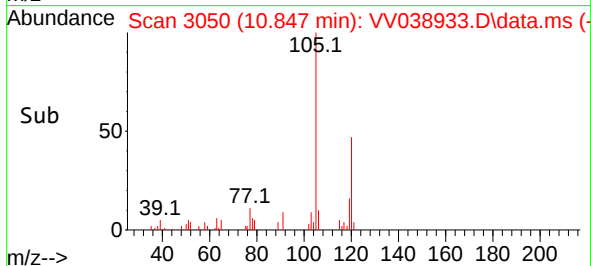
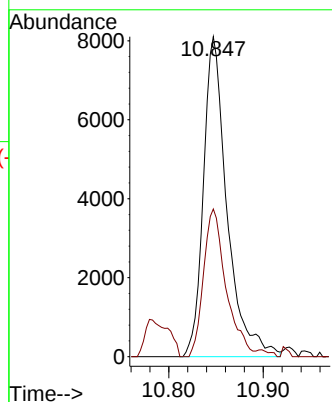
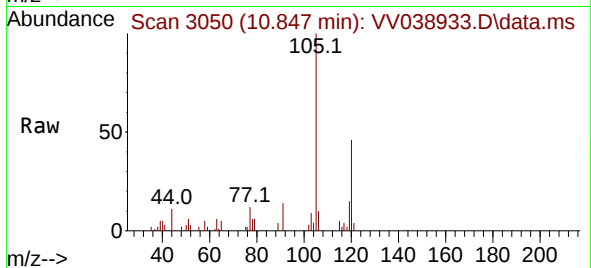
VSTDIC001

Tgt Ion:105 Resp: 14064

Ion Ratio Lower Upper

105 100

120 44.2 23.2 69.5



#85

sec-Butylbenzene

Concen: 0.925 ug/l

RT: 11.018 min Scan# 3103

Delta R.T. 0.006 min

Lab File: VV038933.D

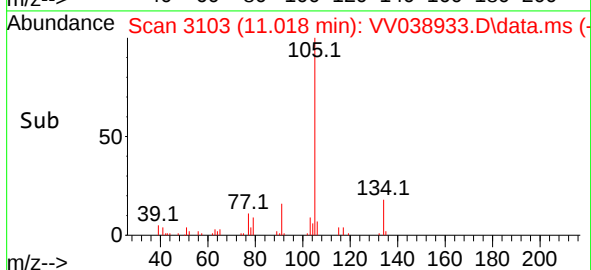
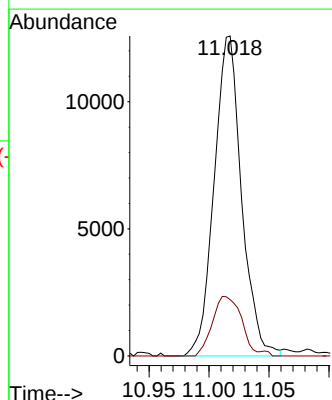
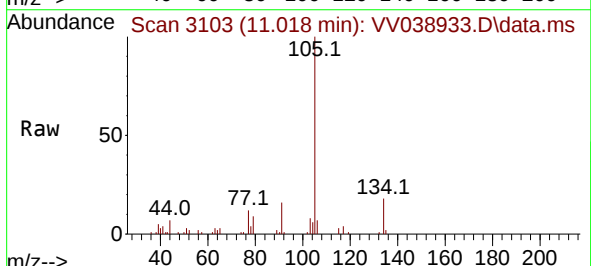
Acq: 08 Aug 2025 14:06

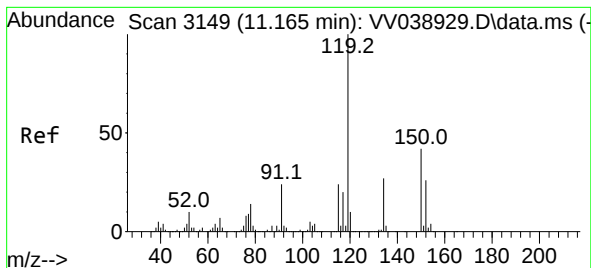
Tgt Ion:105 Resp: 20008

Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.4





#86

p-Isopropyltoluene

Concen: 0.919 ug/l

RT: 11.172 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTDIC001

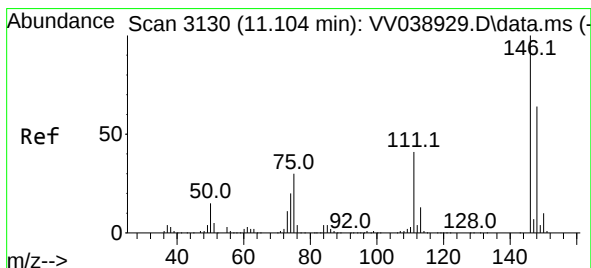
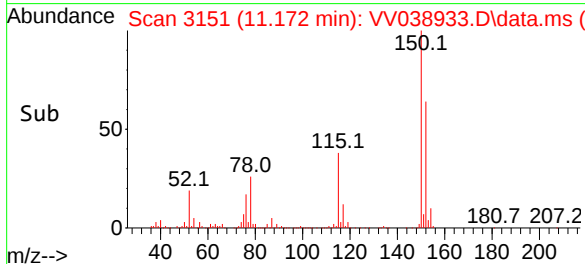
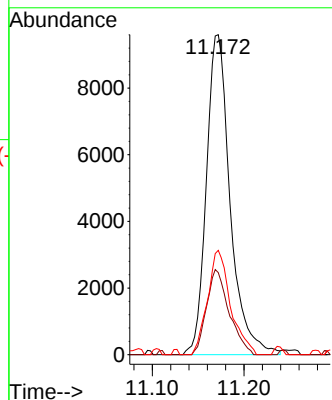
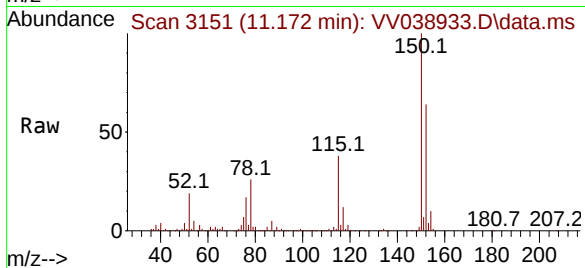
Tgt Ion:119 Resp: 17322

Ion Ratio Lower Upper

119 100

134 25.2 13.2 39.6

91 31.5 12.2 36.4



#87

1,3-Dichlorobenzene

Concen: 1.136 ug/l

RT: 11.117 min Scan# 3134

Delta R.T. 0.013 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

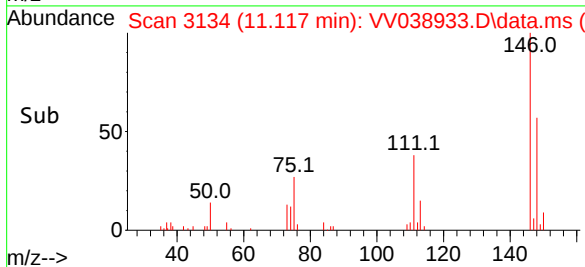
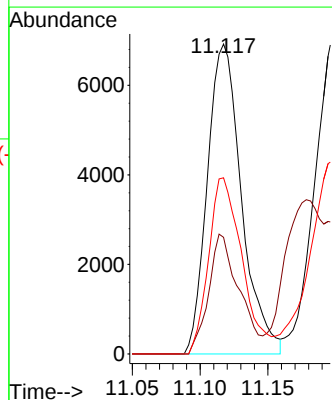
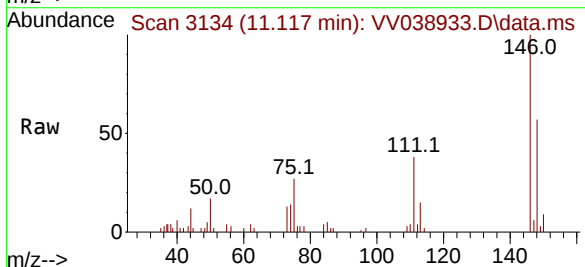
Tgt Ion:146 Resp: 12148

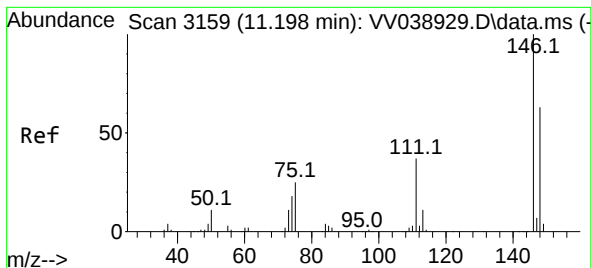
Ion Ratio Lower Upper

146 100

111 34.8 20.4 61.2

148 55.4 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 1.043 ug/l

RT: 11.117 min Scan# 3159

Delta R.T. -0.080 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTDIC001

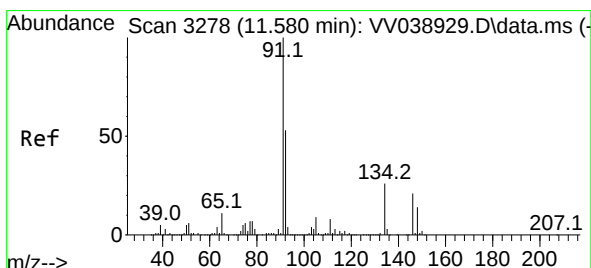
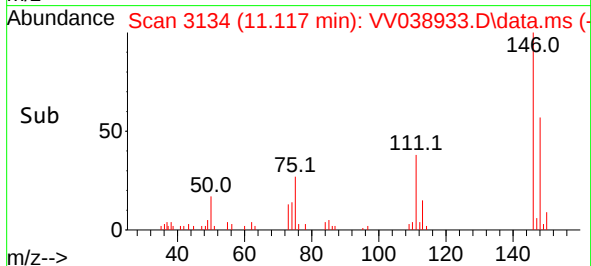
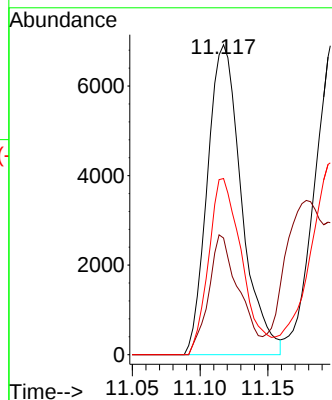
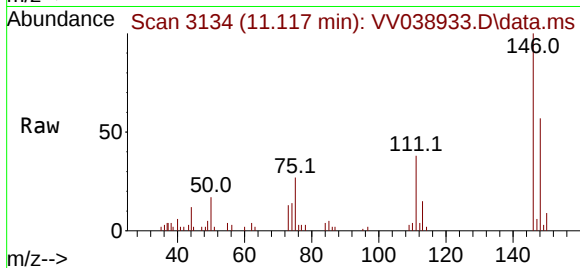
Tgt Ion:146 Resp: 12148

Ion Ratio Lower Upper

146 100

111 34.8 19.7 59.1

148 55.4 31.4 94.2



#89

n-Butylbenzene

Concen: 0.925 ug/l

RT: 11.587 min Scan# 3280

Delta R.T. 0.006 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

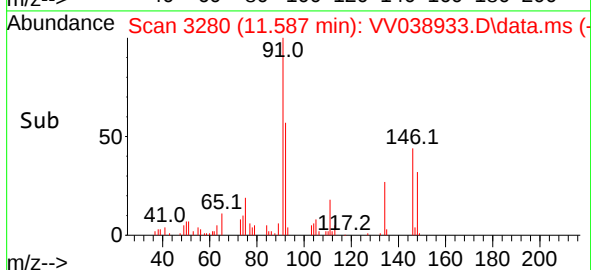
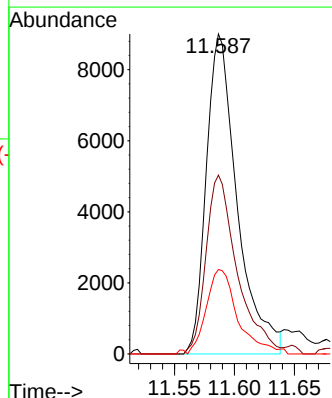
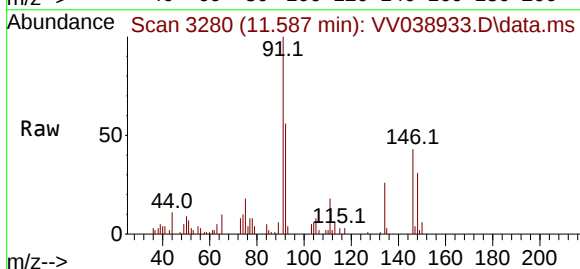
Tgt Ion: 91 Resp: 16120

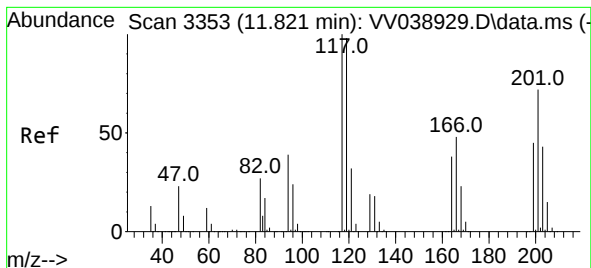
Ion Ratio Lower Upper

91 100

92 56.4 26.2 78.6

134 27.1 13.0 38.9





#90

Hexachloroethane

Concen: 1.151 ug/l

RT: 11.821 min Scan# 3117

Delta R.T. 0.000 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

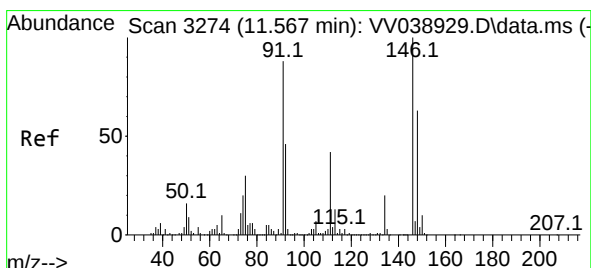
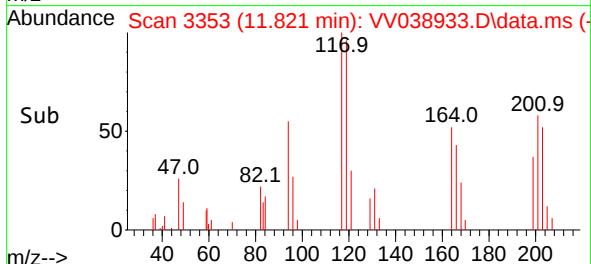
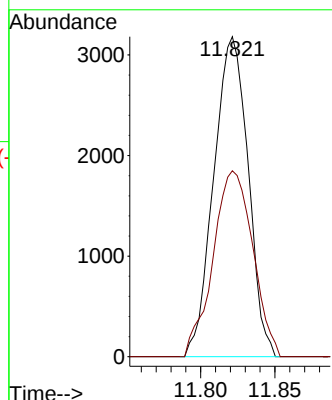
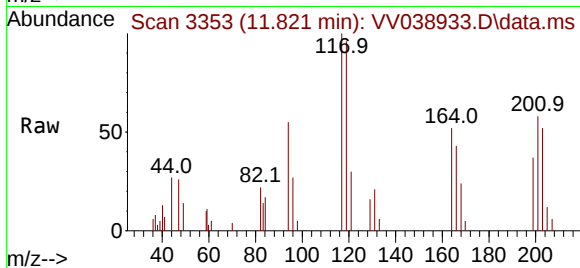
VSTDIC001

Tgt Ion:117 Resp: 5117

Ion Ratio Lower Upper

117 100

201 67.3 34.8 104.5



#91

1,2-Dichlorobenzene

Concen: 1.027 ug/l

RT: 11.580 min Scan# 3278

Delta R.T. 0.013 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

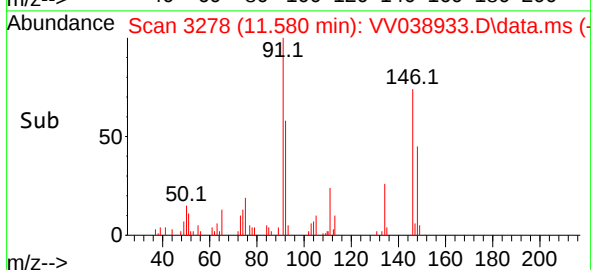
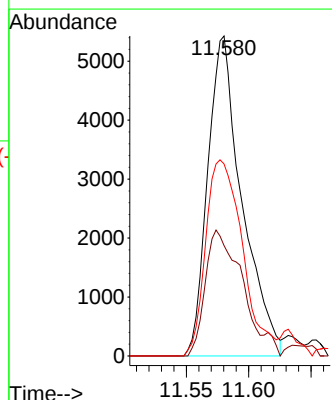
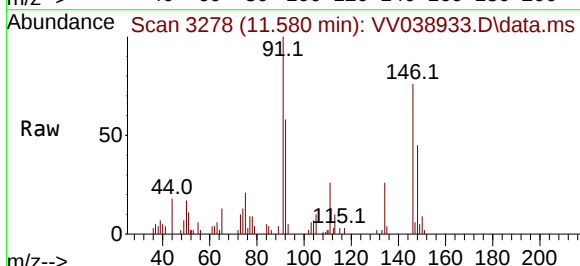
Tgt Ion:146 Resp: 10380

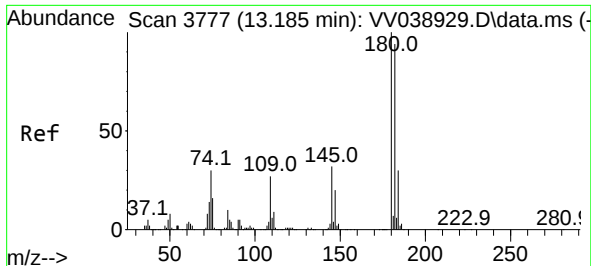
Ion Ratio Lower Upper

146 100

111 42.9 21.1 63.3

148 65.9 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 1.094 ug/l

RT: 13.198 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

Instrument :

MSVOA\_V

ClientSampleId :

VSTDIC001

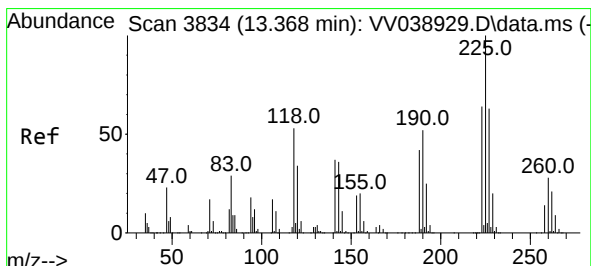
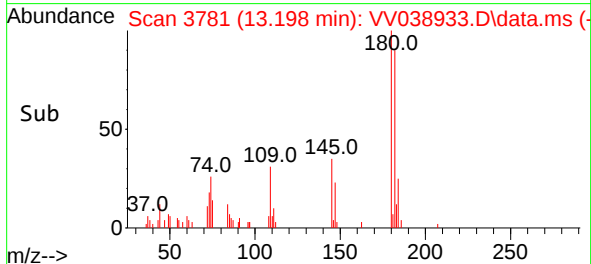
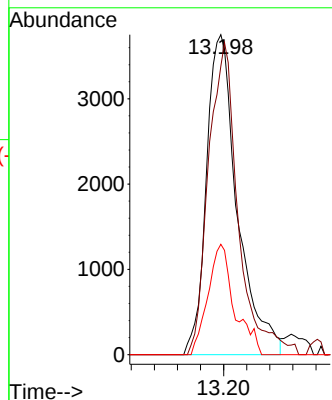
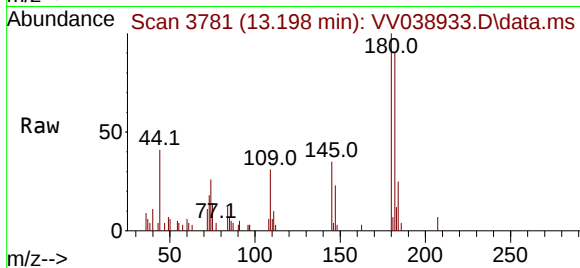
Tgt Ion:180 Resp: 6977

Ion Ratio Lower Upper

180 100

182 93.2 47.1 141.3

145 29.5 15.9 47.6



#94

Hexachlorobutadiene

Concen: 1.237 ug/l

RT: 13.371 min Scan# 3835

Delta R.T. 0.003 min

Lab File: VV038933.D

Acq: 08 Aug 2025 14:06

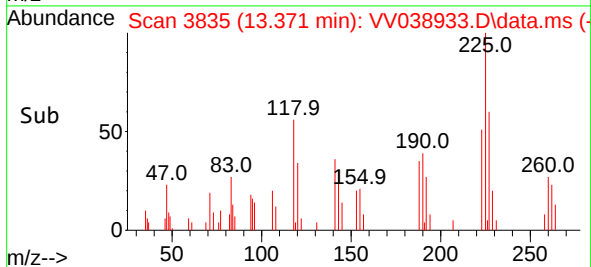
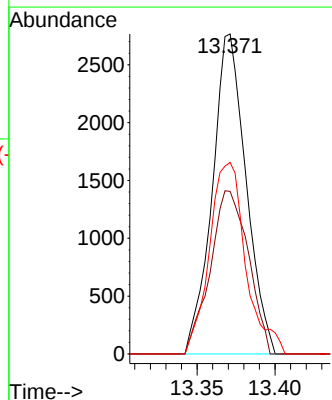
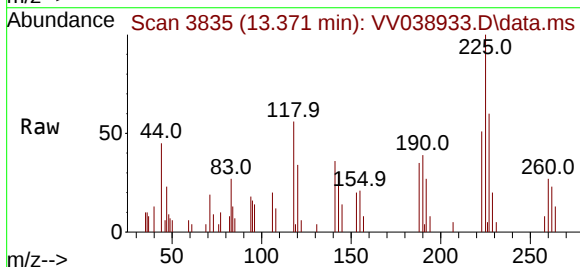
Tgt Ion:225 Resp: 4168

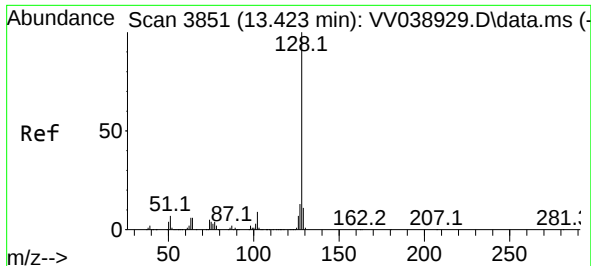
Ion Ratio Lower Upper

225 100

223 57.6 32.0 96.0

227 64.3 31.3 93.9

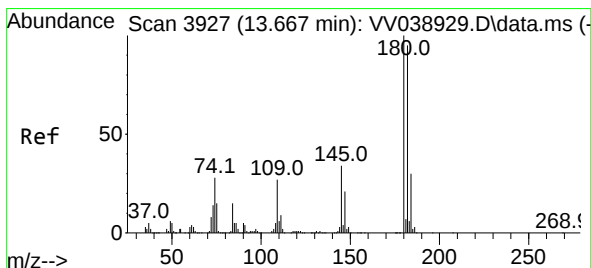
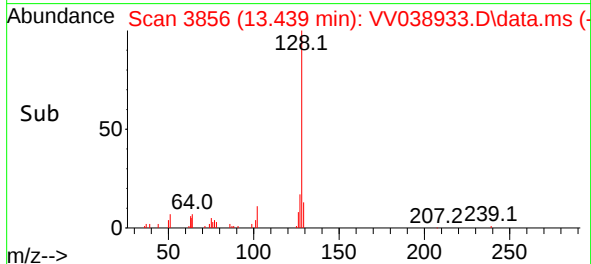
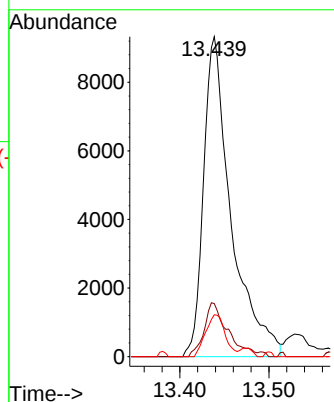
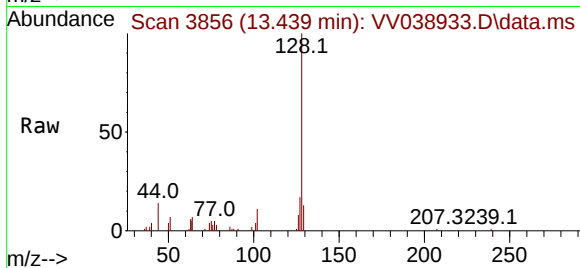




#95  
Naphthalene  
Concen: 1.001 ug/l  
RT: 13.439 min Scan# 3931  
Delta R.T. 0.016 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 20023 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 14.4  | 10.6  | 15.8  |
| 129      | 9.3   | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 1.073 ug/l  
RT: 13.680 min Scan# 3931  
Delta R.T. 0.013 min  
Lab File: VV038933.D  
Acq: 08 Aug 2025 14:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 6999  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 100.5 | 47.5  | 142.5 |
| 145      | 31.2  | 17.1  | 51.3  |

