

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV071125\  
 Data File : VV038887.D  
 Acq On : 11 Jul 2025 14:38  
 Operator : SY/MD  
 Sample : VSTDIC010  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 14 06:11:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 14 06:07:21 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 4.596  | 168  | 434291   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.532  | 114  | 715091   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 8.773  | 117  | 675069   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.175 | 152  | 371006   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 4.947  | 65    | 54651    | 10.299   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 81 - 118 | Recovery | =    | 20.600%# |
| 35) Dibromofluoromethane    | 4.503  | 113   | 46356    | 9.508    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 80 - 119 | Recovery | =    | 19.020%# |
| 50) Toluene-d8              | 7.239  | 98    | 138202   | 9.378    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 89 - 112 | Recovery | =    | 18.760%# |
| 62) 4-Bromofluorobenzene    | 10.008 | 95    | 56404    | 9.501    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 85 - 114 | Recovery | =    | 19.000%# |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.121 | 85  | 36497  | 9.564  | ug/l   | 96  |
| 3) Chloromethane             | 1.230 | 50  | 40491  | 9.826  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.294 | 62  | 47036  | 9.973  | ug/l   | 93  |
| 5) Bromomethane              | 1.500 | 94  | 39684  | 9.829  | ug/l   | 96  |
| 6) Chloroethane              | 1.561 | 64  | 33589  | 10.655 | ug/l   | 97  |
| 7) Trichlorofluoromethane    | 1.725 | 101 | 87397  | 10.473 | ug/l   | 98  |
| 8) Diethyl Ether             | 1.918 | 74  | 33532  | 11.174 | ug/l   | 90  |
| 9) 1,1,2-Trichlorotrifluo... | 2.079 | 101 | 52681  | 10.558 | ug/l   | 99  |
| 10) Methyl Iodide            | 2.195 | 142 | 50477  | 8.812  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 2.564 | 59  | 72082  | 59.004 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 2.082 | 96  | 45107  | 9.921  | ug/l   | 99  |
| 13) Acrolein                 | 2.011 | 56  | 7361   | 41.666 | ug/l # | 78  |
| 14) Allyl chloride           | 2.359 | 41  | 78150  | 10.789 | ug/l   | 99  |
| 15) Acrylonitrile            | 2.674 | 53  | 175575 | 56.162 | ug/l   | 100 |
| 16) Acetone                  | 2.121 | 43  | 145379 | 63.314 | ug/l   | 99  |
| 17) Carbon Disulfide         | 2.252 | 76  | 85336  | 9.858  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.381 | 43  | 93709  | 12.062 | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 2.712 | 73  | 190771 | 11.191 | ug/l   | 99  |
| 20) Methylene Chloride       | 2.455 | 84  | 59893  | 10.282 | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 2.703 | 96  | 48327  | 9.990  | ug/l   | 97  |
| 22) Diisopropyl ether        | 3.217 | 45  | 165595 | 11.442 | ug/l   | 100 |
| 23) Vinyl Acetate            | 3.191 | 43  | 610054 | 53.758 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 3.117 | 63  | 103359 | 10.905 | ug/l   | 99  |
| 25) 2-Butanone               | 3.873 | 43  | 188397 | 57.312 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 3.809 | 77  | 84956  | 10.238 | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 3.825 | 96  | 57714  | 10.390 | ug/l   | 98  |
| 28) Bromochloromethane       | 4.149 | 49  | 36165  | 9.857  | ug/l   | 98  |
| 29) Tetrahydrofuran          | 4.243 | 42  | 119237 | 54.971 | ug/l   | 95  |
| 30) Chloroform               | 4.278 | 83  | 115325 | 11.036 | ug/l   | 98  |
| 31) Cyclohexane              | 4.580 | 56  | 63789  | 10.253 | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 4.510 | 97  | 100690 | 11.044 | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 4.747 | 75  | 52643  | 9.395  | ug/l   | 96  |
| 37) Ethyl Acetate            | 3.989 | 43  | 68638  | 10.404 | ug/l   | 94  |
| 38) Carbon Tetrachloride     | 4.731 | 117 | 72664  | 9.763  | ug/l   | 98  |
| 39) Methylcyclohexane        | 6.050 | 83  | 62872  | 9.510  | ug/l   | 95  |
| 40) Benzene                  | 5.011 | 78  | 200286 | 10.544 | ug/l   | 99  |

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 Operator : SY/MD  
 Sample : VSTDIC010  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 14 06:11:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 14 06:07:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.169  | 41   | 28998    | 9.700   | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 5.043  | 62   | 74928    | 10.349  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.201  | 43   | 107378   | 10.292  | ug/l   | 98       |
| 44) Trichloroethene           | 5.834  | 130  | 50839    | 10.243  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.091  | 63   | 52109    | 10.385  | ug/l   | 97       |
| 46) Dibromomethane            | 6.230  | 93   | 41228    | 10.620  | ug/l   | 98       |
| 47) Bromodichloromethane      | 6.429  | 83   | 87790    | 10.655  | ug/l   | 93       |
| 48) Methyl methacrylate       | 6.307  | 41   | 42800    | 9.367   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 6.294  | 88   | 21545    | 219.703 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 7.149  | 43   | 396913   | 55.869  | ug/l   | 98       |
| 52) Toluene                   | 7.310  | 92   | 125793   | 10.512  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 7.580  | 75   | 76111    | 10.209  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 6.953  | 75   | 83567    | 10.369  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 7.763  | 97   | 60997    | 10.665  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 7.722  | 69   | 71111    | 10.463  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 7.937  | 76   | 91836    | 10.709  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 6.815  | 63   | 169453   | 41.340  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.069  | 43   | 283236   | 53.557  | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.169  | 129  | 72928    | 10.828  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.275  | 107  | 63434    | 11.009  | ug/l   | 94       |
| 64) Tetrachloroethene         | 7.899  | 164  | 45019    | 10.168  | ug/l   | 96       |
| 65) Chlorobenzene             | 8.805  | 112  | 151630   | 10.280  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 8.898  | 131  | 63016    | 10.713  | ug/l   | 99       |
| 67) Ethyl Benzene             | 8.940  | 91   | 224933   | 10.270  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.066  | 106  | 174808   | 20.500  | ug/l   | 99       |
| 69) o-Xylene                  | 9.471  | 106  | 84887    | 10.547  | ug/l   | 91       |
| 70) Styrene                   | 9.490  | 104  | 145592   | 10.235  | ug/l   | 98       |
| 71) Bromoform                 | 9.657  | 173  | 51021    | 10.671  | ug/l # | 97       |
| 73) Isopropylbenzene          | 9.857  | 105  | 232481   | 10.487  | ug/l   | 100      |
| 74) N-amyl acetate            | 9.728  | 43   | 86428    | 10.643  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 10.165 | 83   | 105206   | 11.330  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 10.201 | 75   | 78348    | 11.358  | ug/l   | 77       |
| 77) Bromobenzene              | 10.143 | 156  | 62428    | 10.736  | ug/l   | 97       |
| 78) n-propylbenzene           | 10.278 | 91   | 271734   | 10.488  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.349 | 91   | 174450   | 10.587  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 197610   | 10.571  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.934  | 75   | 29748    | 10.524  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 10.464 | 91   | 195456   | 10.612  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 204673   | 10.443  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 10.841 | 105  | 190985   | 10.383  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.014 | 105  | 260761   | 10.424  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.168 | 119  | 219003   | 10.312  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.107 | 146  | 128005   | 10.784  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.197 | 146  | 132944   | 10.296  | ug/l   | 95       |
| 89) n-Butylbenzene            | 11.583 | 91   | 192052   | 9.905   | ug/l   | 99       |
| 90) Hexachloroethane          | 11.821 | 117  | 51317    | 10.159  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 11.570 | 146  | 123742   | 10.739  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.355 | 75   | 21180    | 10.089  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.188 | 180  | 68322    | 10.045  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 35108    | 10.023  | ug/l   | 98       |
| 95) Naphthalene               | 13.426 | 128  | 220060   | 9.777   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 72753    | 10.320  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV071125\  
Data File : VV038887.D  
Acq On : 11 Jul 2025 14:38  
Operator : SY/MD  
Sample : VSTDIC010  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

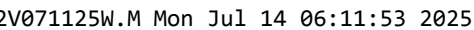
Instrument :  
MSVOA\_V  
ClientSampleId :

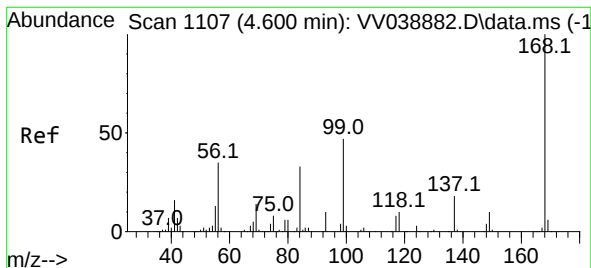
Quant Time: Jul 14 06:11:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 14 06:07:21 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Quant Time: Jul 14 06:11:44 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 14 06:07:21 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 11

Delta R.T. -0.004 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

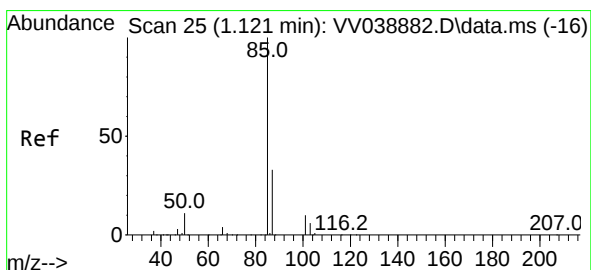
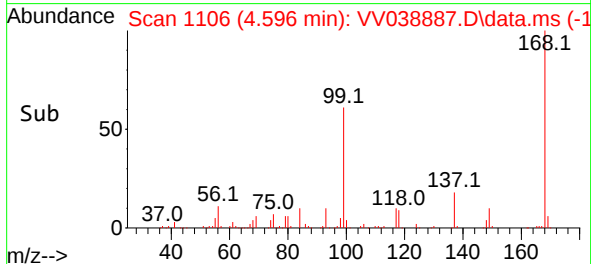
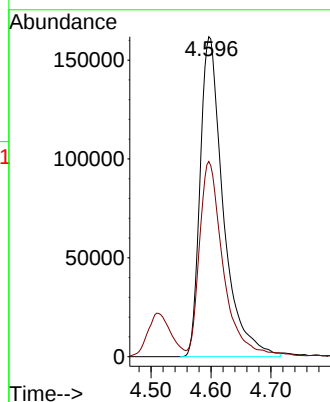
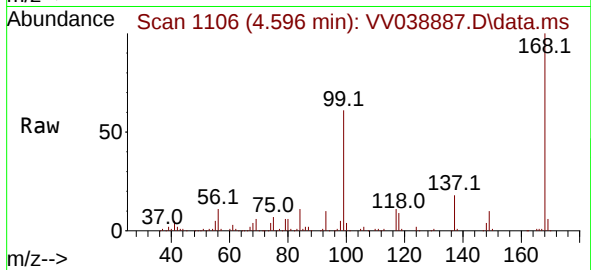
ClientSampleId :

Tgt Ion:168 Resp: 434291

Ion Ratio Lower Upper

168 100

99 59.8 48.6 73.0



#2

Dichlorodifluoromethane

Concen: 9.564 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.000 min

Lab File: VV038887.D

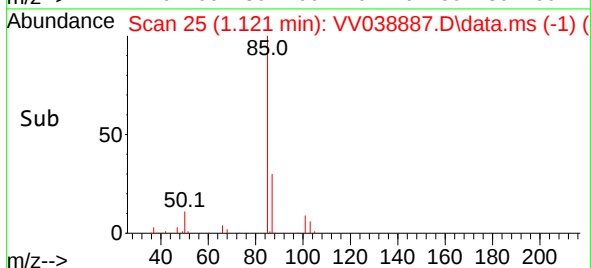
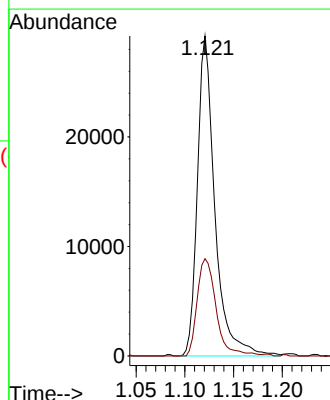
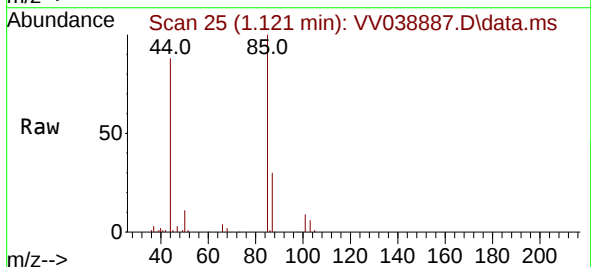
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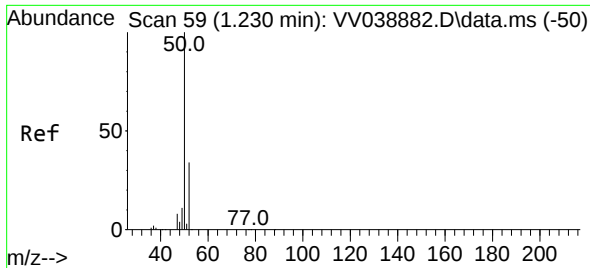
Tgt Ion: 85 Resp: 36497

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.8

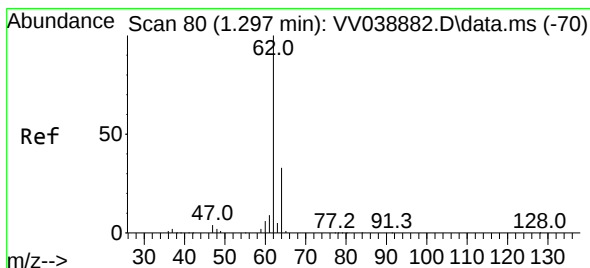
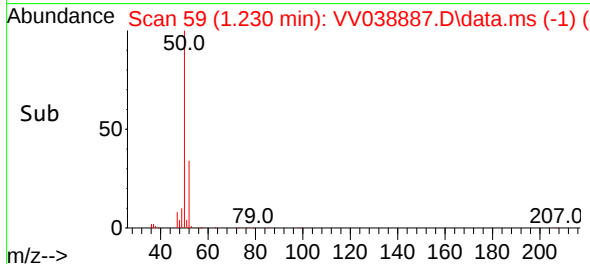
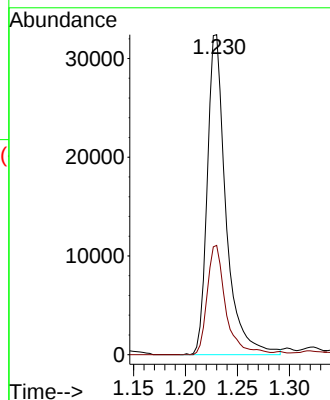
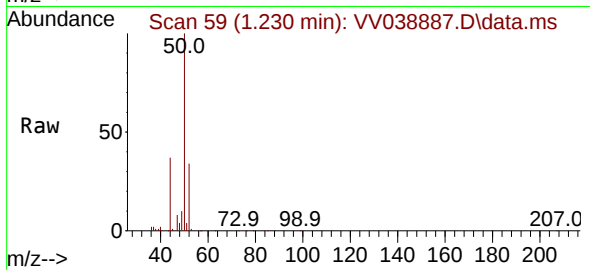




#3  
Chloromethane  
Concen: 9.826 ug/l  
RT: 1.230 min Scan# 59  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

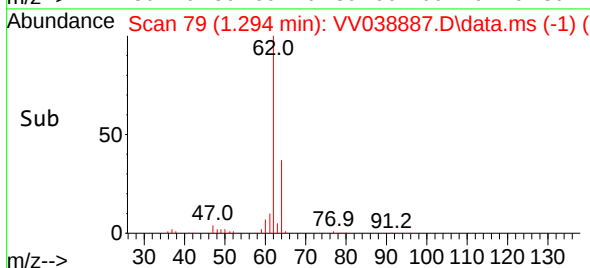
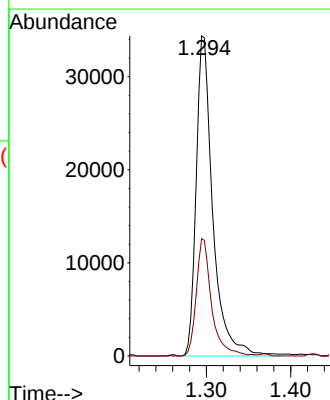
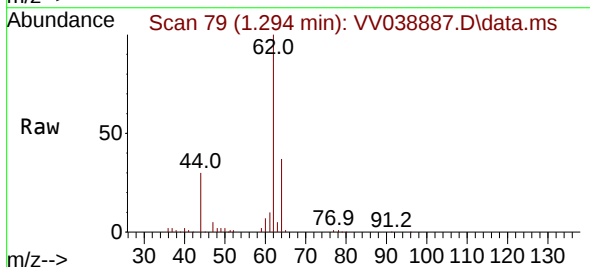
Instrument :  
MSVOA\_V  
ClientSampleId :

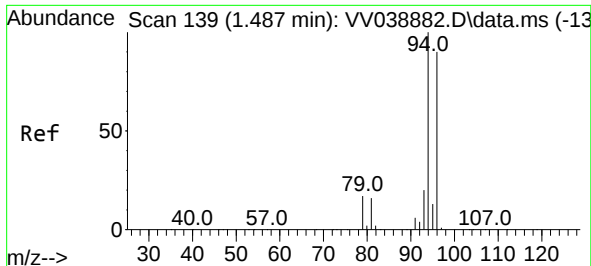
Tgt Ion: 50 Resp: 40491  
Ion Ratio Lower Upper  
50 100  
52 34.1 26.9 40.3



#4  
Vinyl Chloride  
Concen: 9.973 ug/l  
RT: 1.294 min Scan# 79  
Delta R.T. -0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 62 Resp: 47036  
Ion Ratio Lower Upper  
62 100  
64 36.6 26.2 39.2

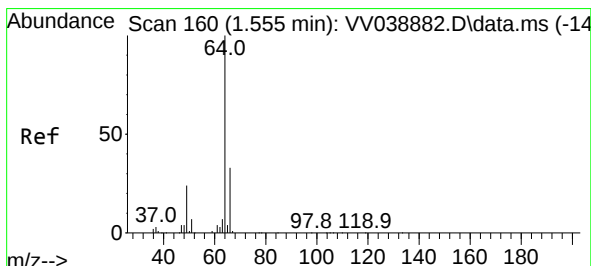
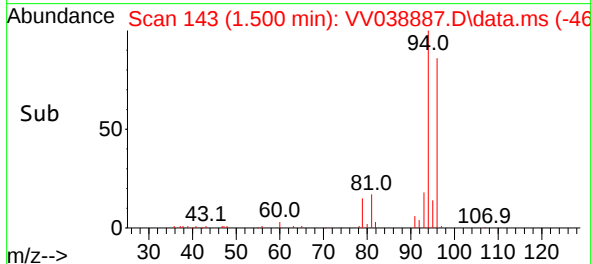
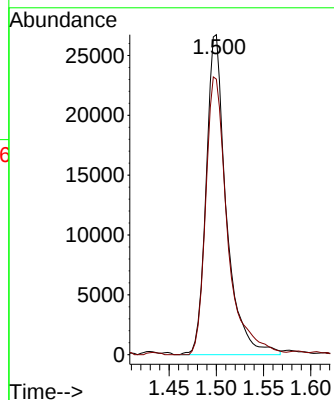
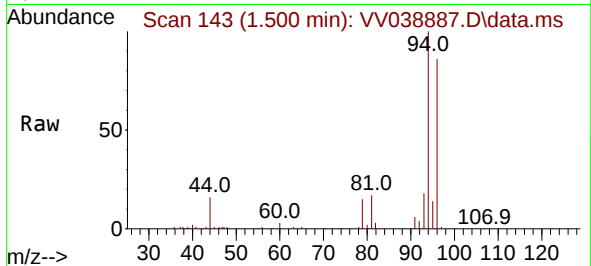




#5  
Bromomethane  
Concen: 9.829 ug/l  
RT: 1.500 min Scan# 14  
Delta R.T. 0.013 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

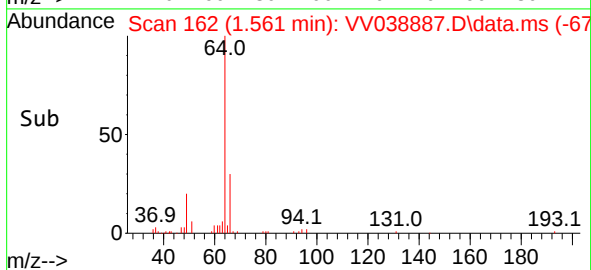
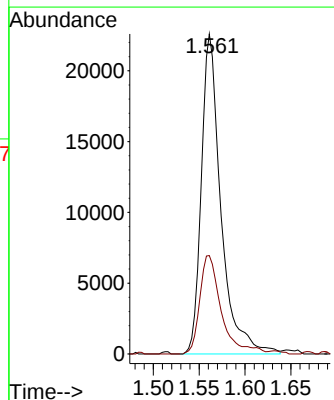
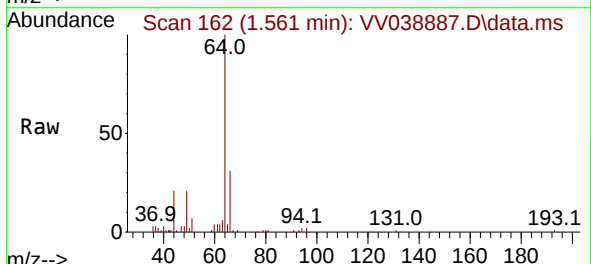
Instrument :  
MSVOA\_V  
ClientSampleId :

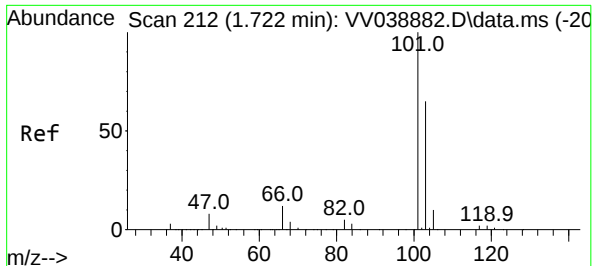
Tgt Ion: 94 Resp: 39684  
Ion Ratio Lower Upper  
94 100  
96 86.1 71.9 107.9



#6  
Chloroethane  
Concen: 10.655 ug/l  
RT: 1.561 min Scan# 162  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

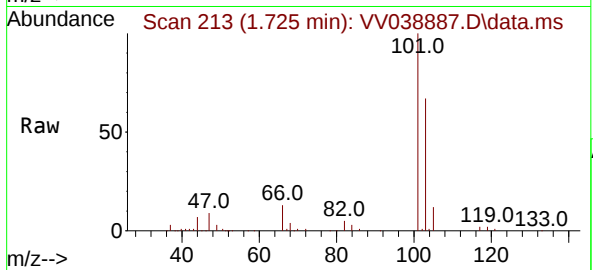
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Ion Ratio Lower Upper  
64 100  
66 30.8 26.2 39.2



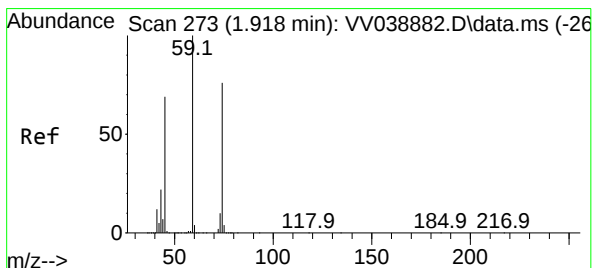
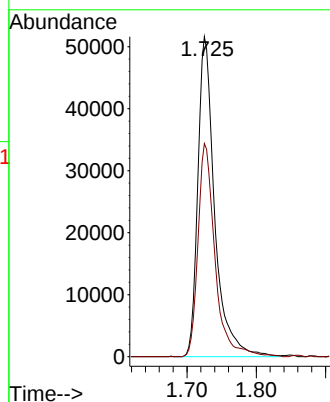
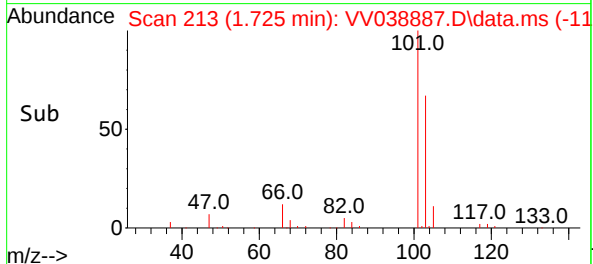


#7  
 Trichlorofluoromethane  
 Concen: 10.473 ug/l  
 RT: 1.725 min Scan# 212  
 Delta R.T. 0.003 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

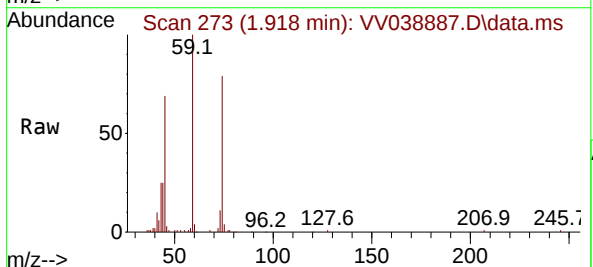
Instrument :  
 MSVOA\_V  
 ClientSampleId :



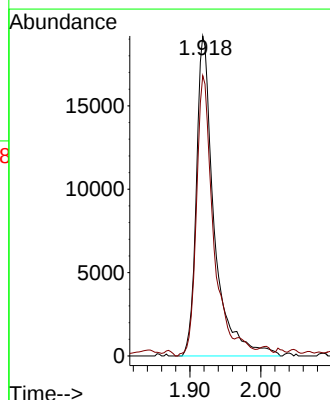
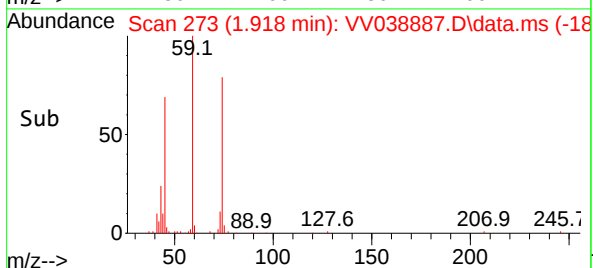
Tgt Ion:101 Resp: 87397  
 Ion Ratio Lower Upper  
 101 100  
 103 66.6 51.8 77.6

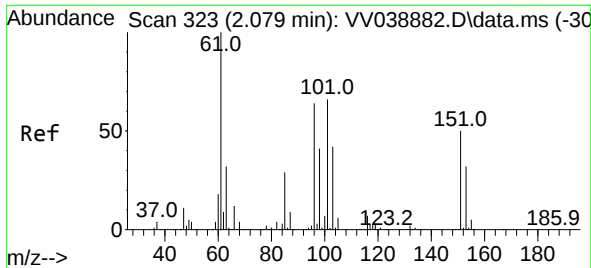


#8  
 Diethyl Ether  
 Concen: 11.174 ug/l  
 RT: 1.918 min Scan# 273  
 Delta R.T. 0.000 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38



Tgt Ion: 74 Resp: 33532  
 Ion Ratio Lower Upper  
 74 100  
 45 81.1 45.5 136.5

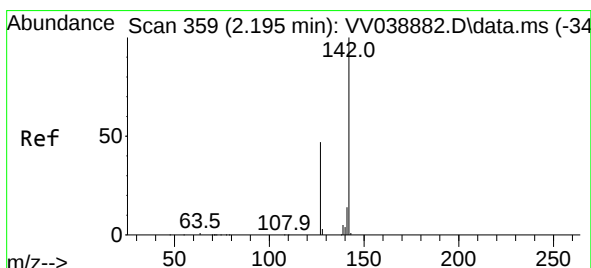
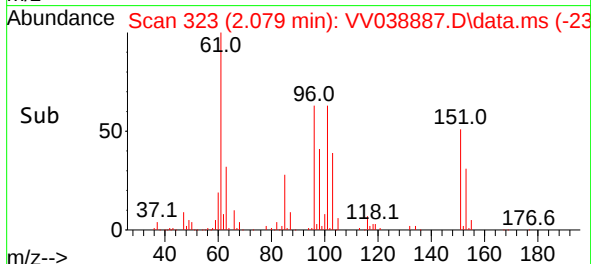
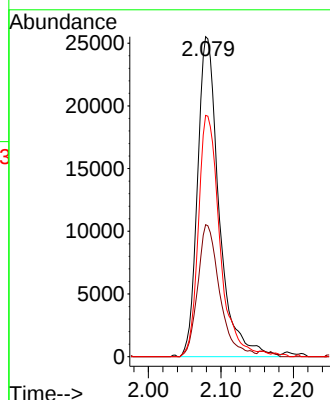
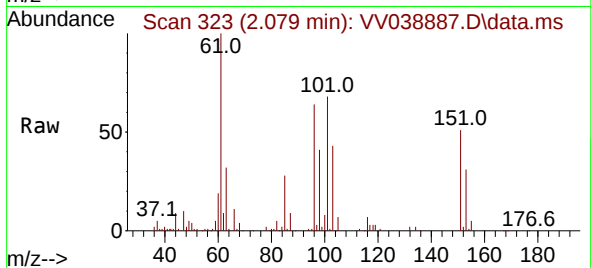




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.558 ug/l  
 RT: 2.079 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

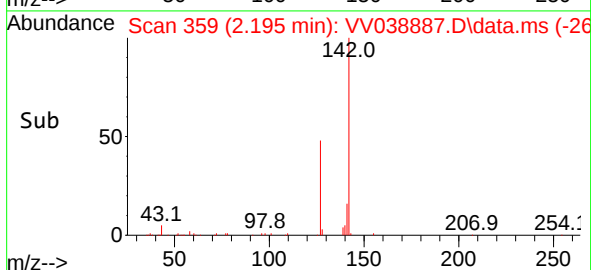
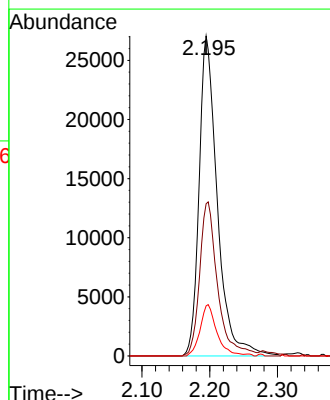
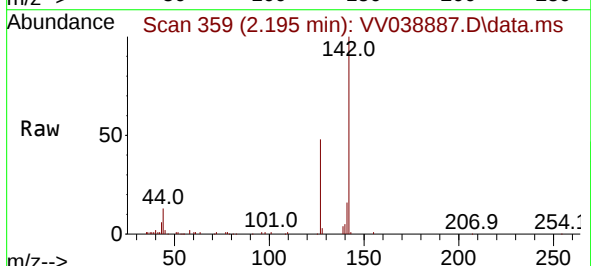
Instrument :  
 MSVOA\_V  
 ClientSampleId :

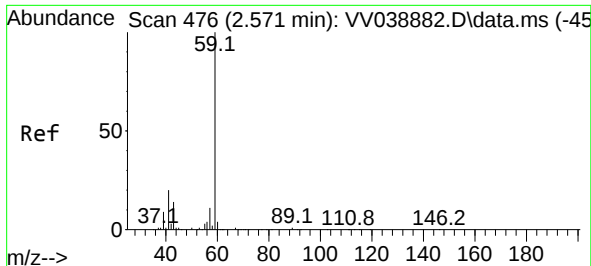
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 52681 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 42.1  | 35.0  | 52.6  |
| 151      | 75.4  | 60.1  | 90.1  |



#10  
 Methyl Iodide  
 Concen: 8.812 ug/l  
 RT: 2.195 min Scan# 359  
 Delta R.T. 0.000 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 50477 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 47.4  | 37.3  | 55.9  |
| 141      | 14.7  | 11.2  | 16.8  |

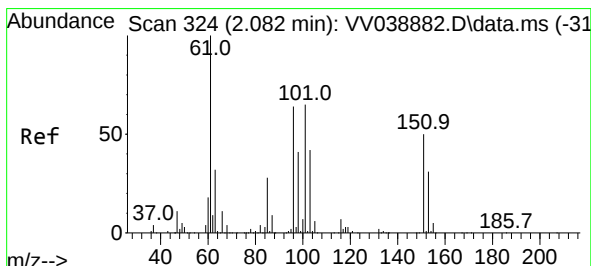
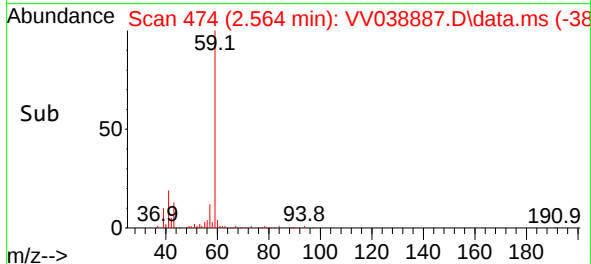
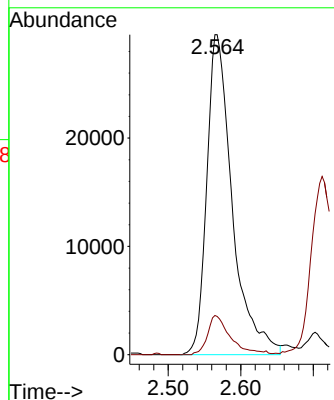
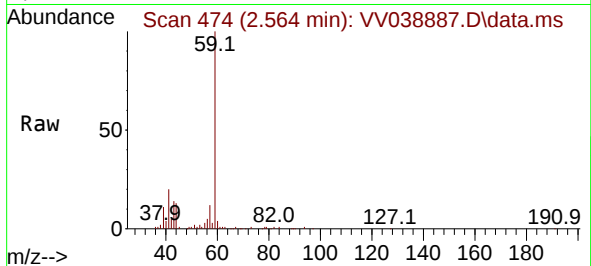




#11  
Tert butyl alcohol  
Concen: 59.004 ug/l  
RT: 2.564 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

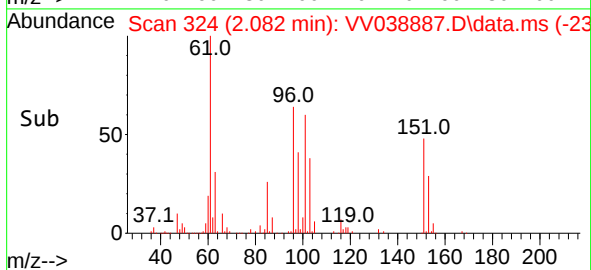
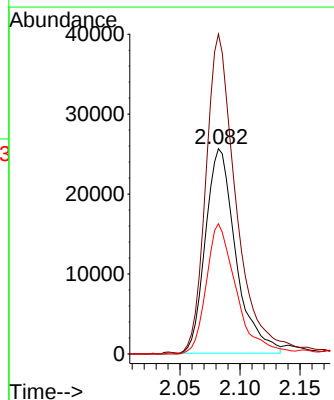
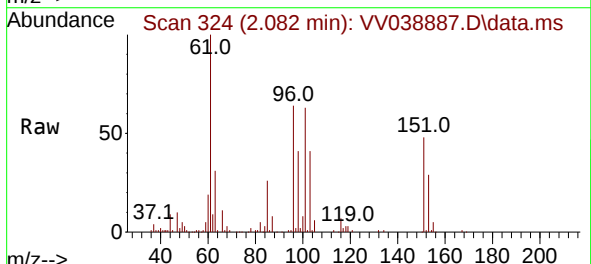
Instrument :  
MSVOA\_V  
ClientSampleId :

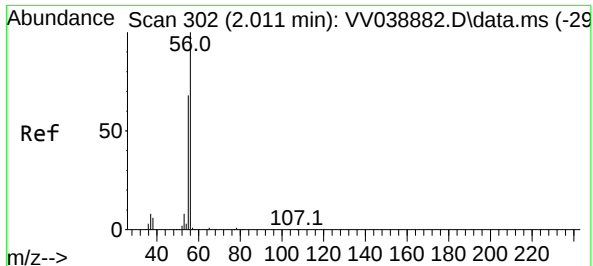
Tgt Ion: 59 Resp: 72082  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 9.921 ug/l  
RT: 2.082 min Scan# 324  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 96 Resp: 45107  
Ion Ratio Lower Upper  
96 100  
61 156.1 124.1 186.1  
98 63.7 50.6 75.8

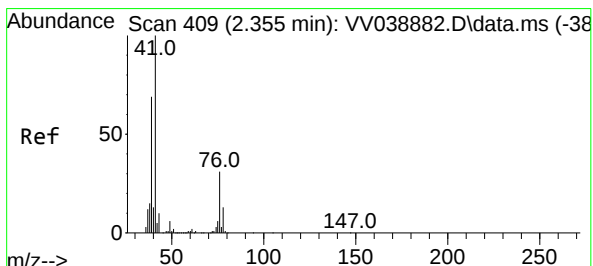
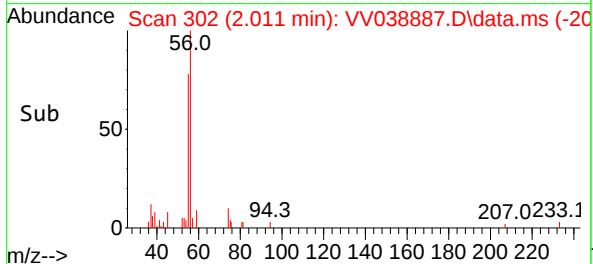
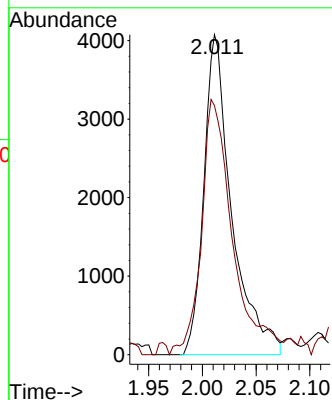
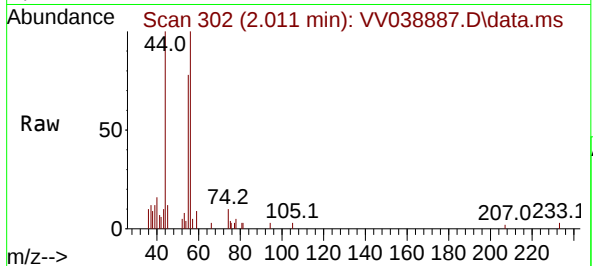




#13  
Acrolein  
Concen: 41.666 ug/l  
RT: 2.011 min Scan# 302  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

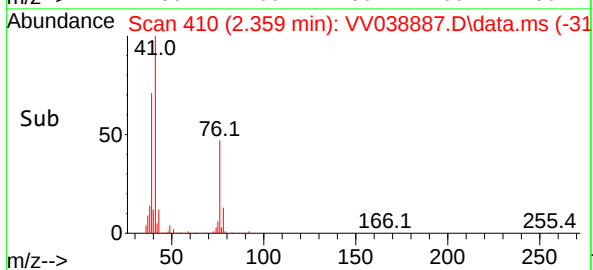
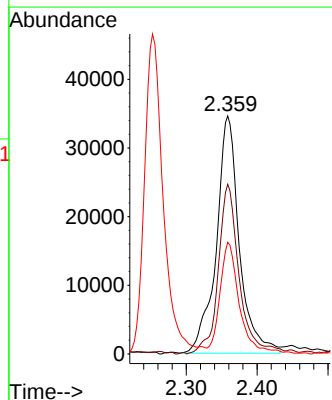
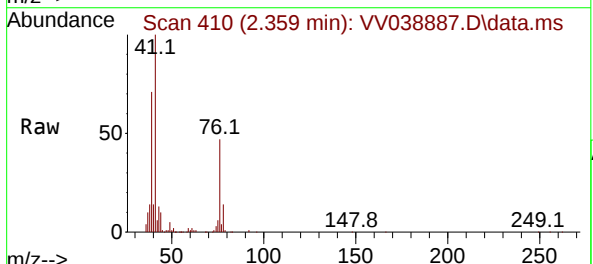
Instrument :  
MSVOA\_V  
ClientSampleId :

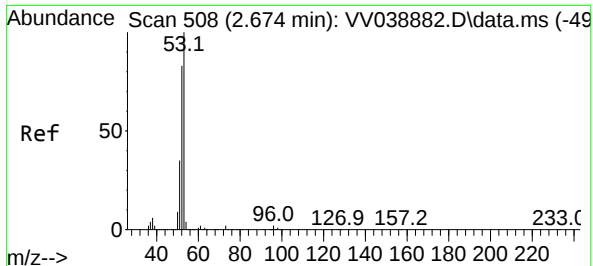
Tgt Ion: 56 Resp: 7361  
Ion Ratio Lower Upper  
56 100  
55 88.8 56.7 85.1#



#14  
Allyl chloride  
Concen: 10.789 ug/l  
RT: 2.359 min Scan# 410  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

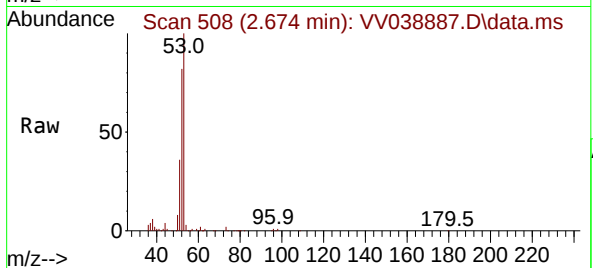
Tgt Ion: 41 Resp: 78150  
Ion Ratio Lower Upper  
41 100  
39 65.0 50.6 76.0  
76 37.8 30.4 45.6





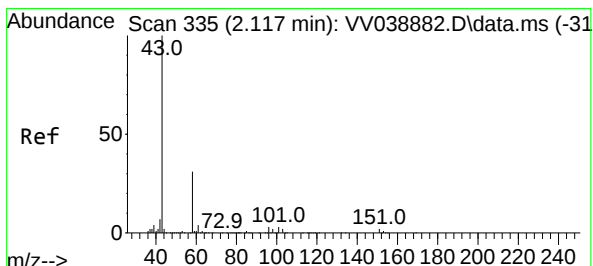
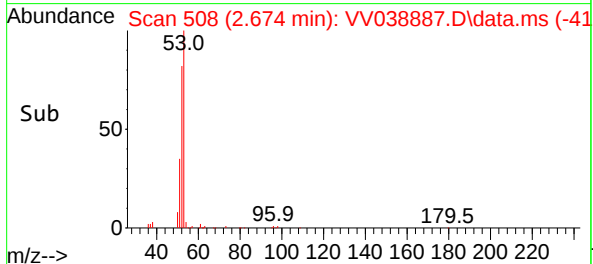
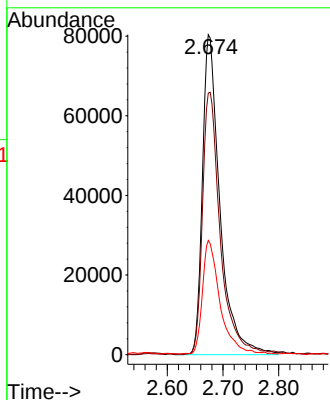
#15  
Acrylonitrile  
Concen: 56.162 ug/l  
RT: 2.674 min Scan# 508  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 53 Resp: 175575

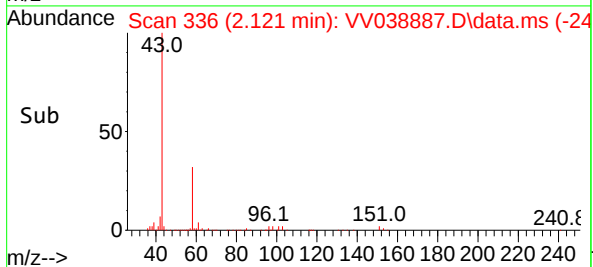
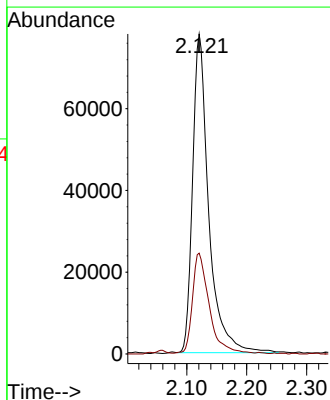
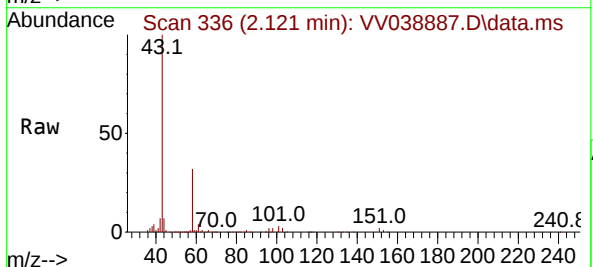
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.3  | 66.6  | 99.8  |
| 51  | 35.2  | 28.7  | 43.1  |

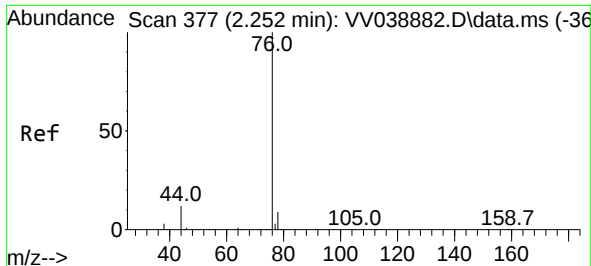


#16  
Acetone  
Concen: 63.314 ug/l  
RT: 2.121 min Scan# 336  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 43 Resp: 145379

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.4  | 25.8  | 38.6  |

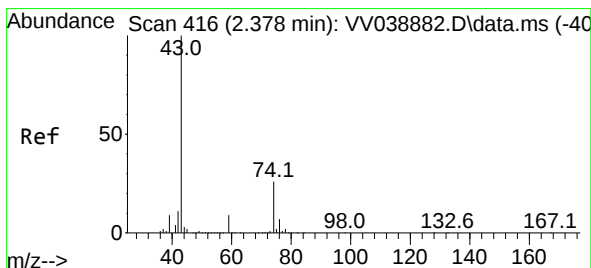
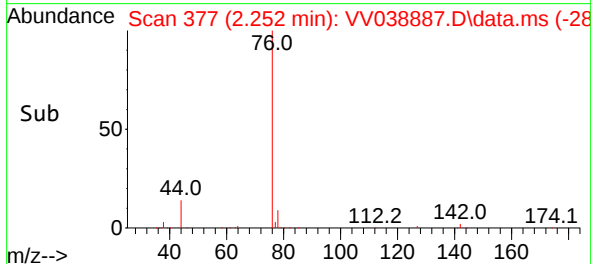
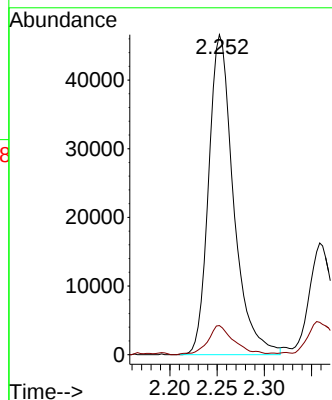
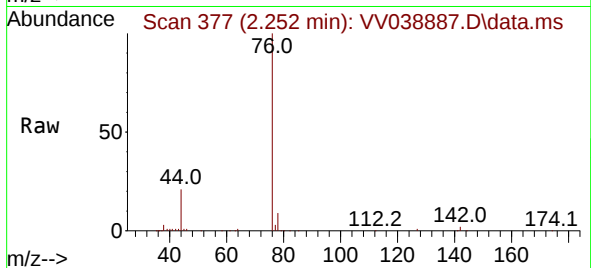




#17  
Carbon Disulfide  
Concen: 9.858 ug/l  
RT: 2.252 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

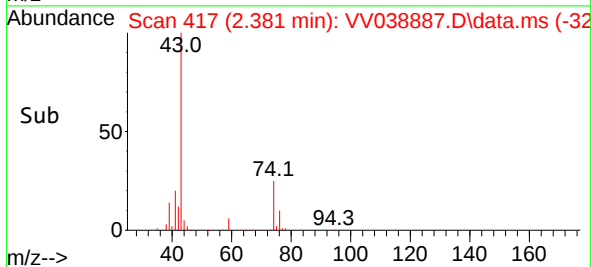
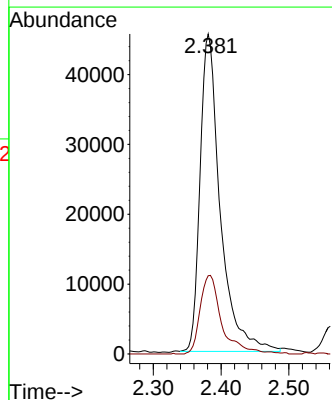
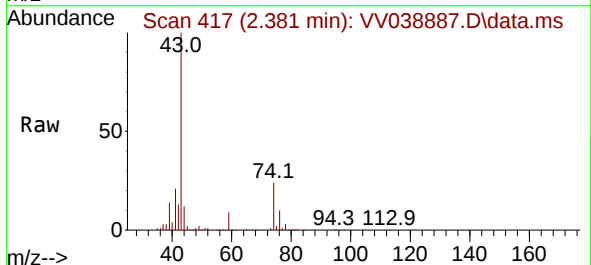
Instrument :  
MSVOA\_V  
ClientSampleId :

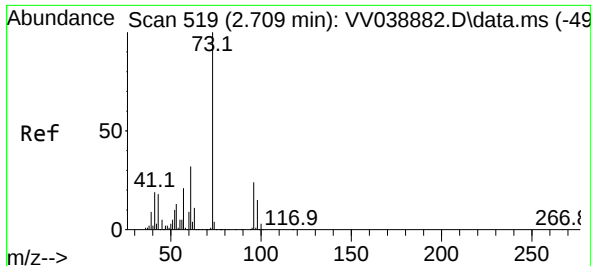
Tgt Ion: 76 Resp: 85336  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.2



#18  
Methyl Acetate  
Concen: 12.062 ug/l  
RT: 2.381 min Scan# 417  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 43 Resp: 93709  
Ion Ratio Lower Upper  
43 100  
74 26.4 21.1 31.7

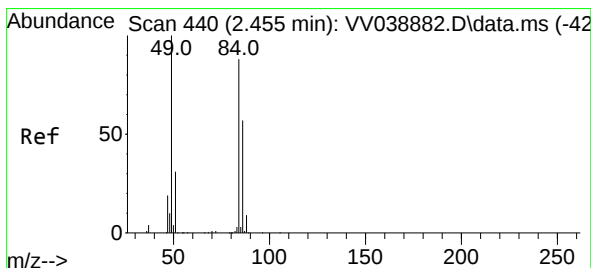
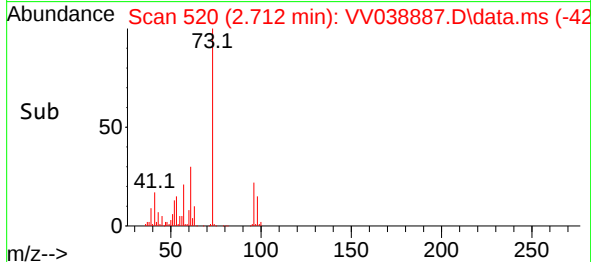
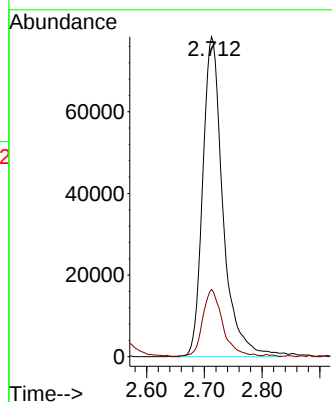
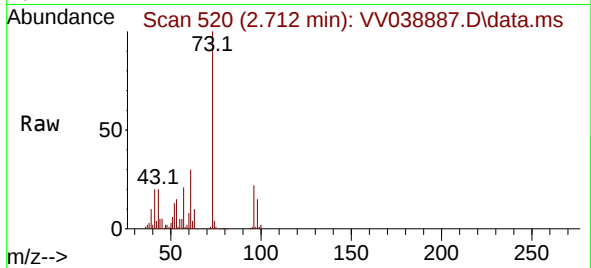




#19  
Methyl tert-butyl Ether  
Concen: 11.191 ug/l  
RT: 2.712 min Scan# 519  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

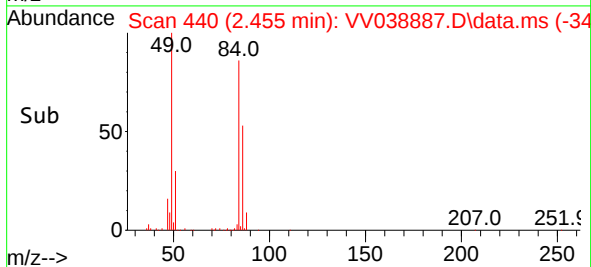
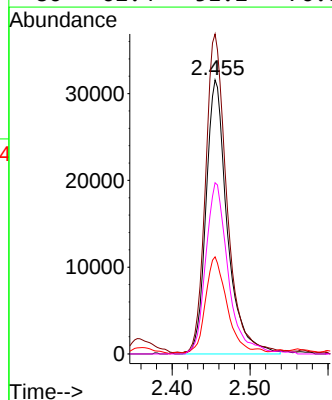
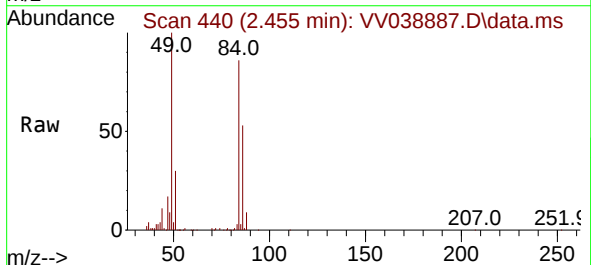
Instrument :  
MSVOA\_V  
ClientSampleId :

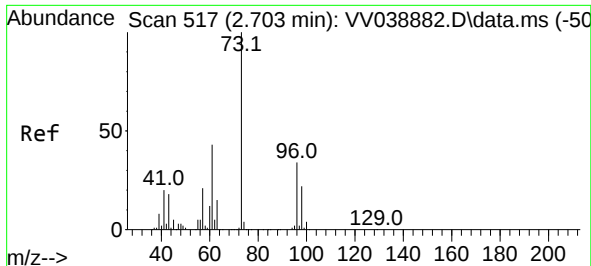
Tgt Ion: 73 Resp: 190771  
Ion Ratio Lower Upper  
73 100  
57 21.0 16.5 24.7



#20  
Methylene Chloride  
Concen: 10.282 ug/l  
RT: 2.455 min Scan# 440  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 84 Resp: 59893  
Ion Ratio Lower Upper  
84 100  
49 116.2 90.5 135.7  
51 35.0 27.8 41.6  
86 62.4 51.2 76.8

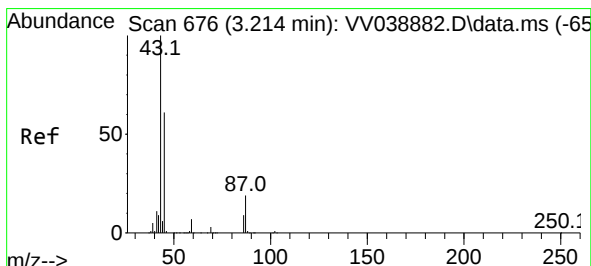
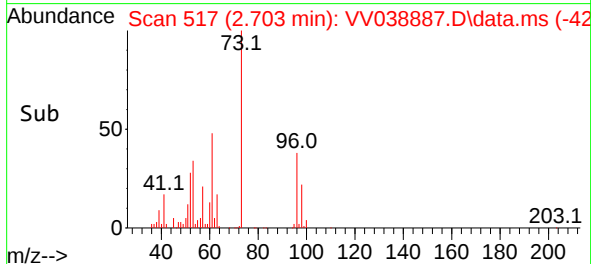
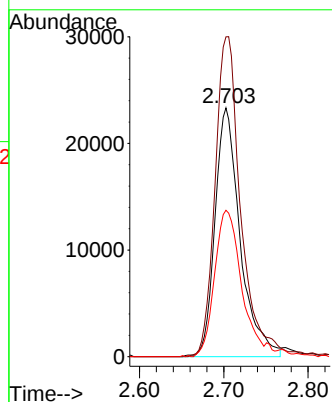
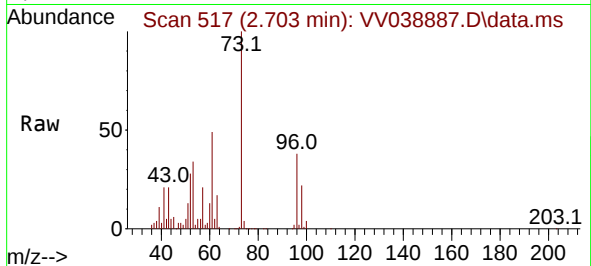




#21  
trans-1,2-Dichloroethene  
Concen: 9.990 ug/l  
RT: 2.703 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

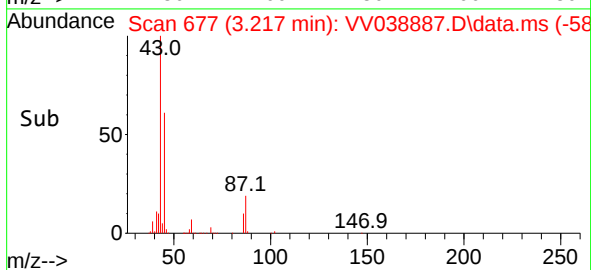
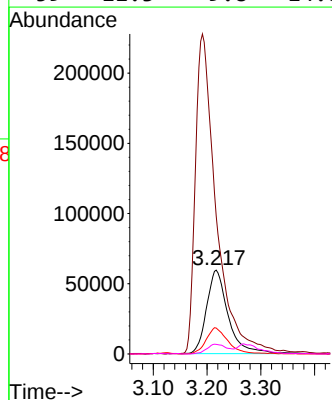
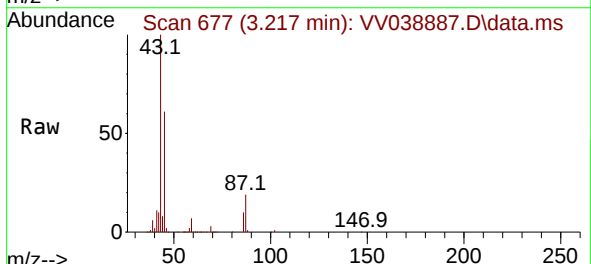
Instrument :  
MSVOA\_V  
ClientSampleId :

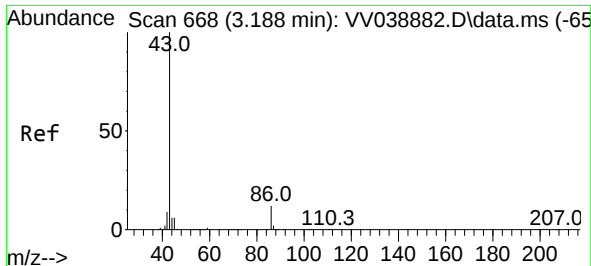
Tgt Ion: 96 Resp: 48327  
Ion Ratio Lower Upper  
96 100  
61 128.5 102.0 153.0  
98 58.8 51.0 76.6



#22  
Diisopropyl ether  
Concen: 11.442 ug/l  
RT: 3.217 min Scan# 677  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 45 Resp: 165595  
Ion Ratio Lower Upper  
45 100  
43 165.0 132.1 198.1  
87 30.8 25.0 37.4  
59 11.3 9.8 14.8

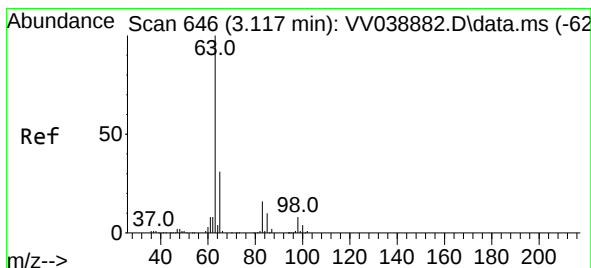
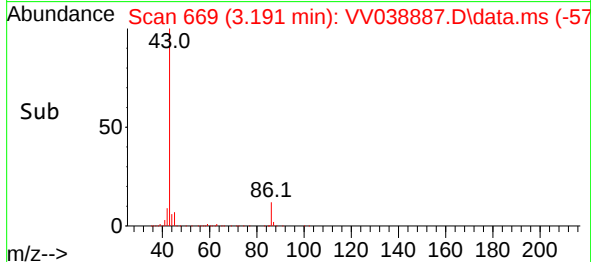
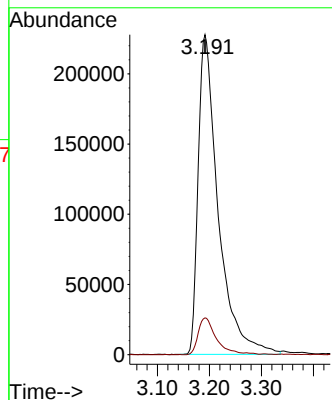
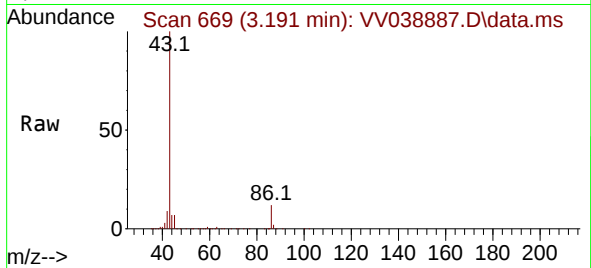




#23  
 Vinyl Acetate  
 Concen: 53.758 ug/l  
 RT: 3.191 min Scan# 610  
 Delta R.T. 0.003 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

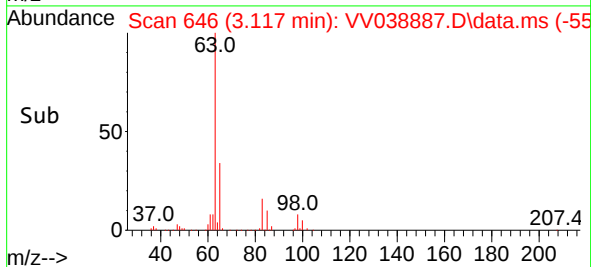
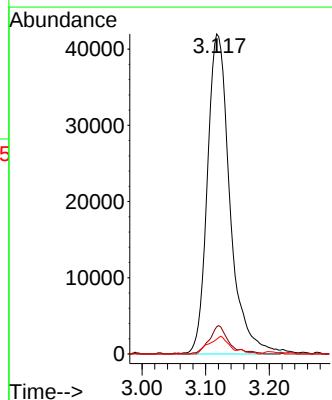
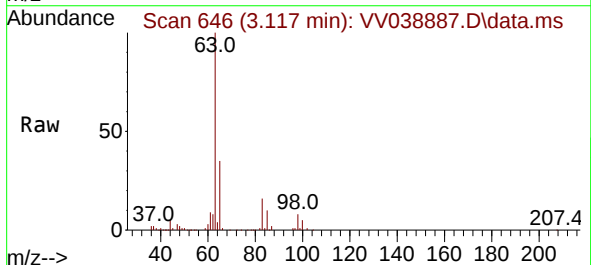
Instrument :  
 MSVOA\_V  
 ClientSampleId :

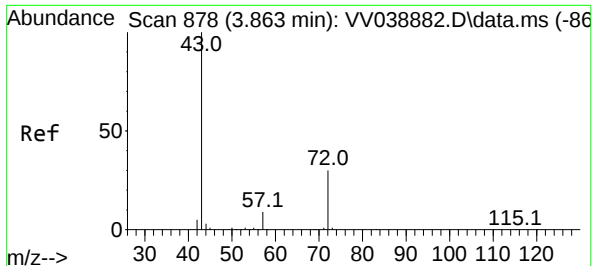
Tgt Ion: 43 Resp: 610054  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 9.8 14.6



#24  
 1,1-Dichloroethane  
 Concen: 10.905 ug/l  
 RT: 3.117 min Scan# 646  
 Delta R.T. 0.000 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

Tgt Ion: 63 Resp: 103359  
 Ion Ratio Lower Upper  
 63 100  
 98 8.5 3.9 11.7  
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 57.312 ug/l

RT: 3.873 min Scan# 81

Delta R.T. 0.010 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

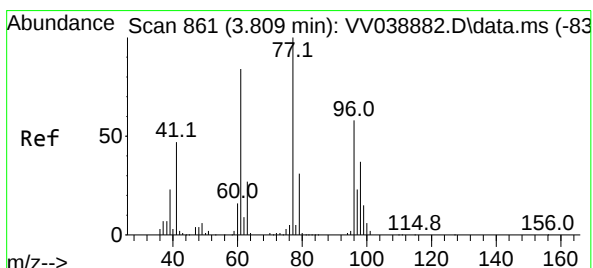
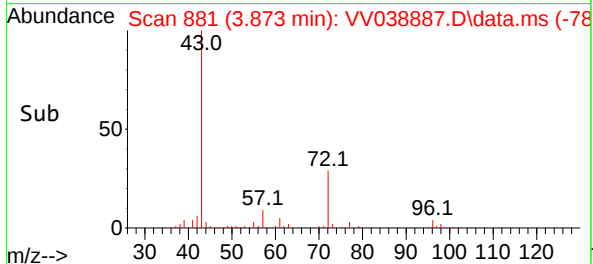
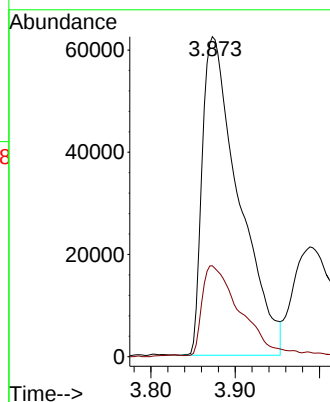
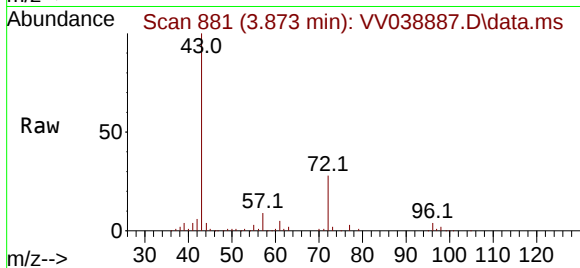
ClientSampleId :

Tgt Ion: 43 Resp: 188397

Ion Ratio Lower Upper

43 100

72 28.1 23.9 35.9



#26

2,2-Dichloropropane

Concen: 10.238 ug/l

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV038887.D

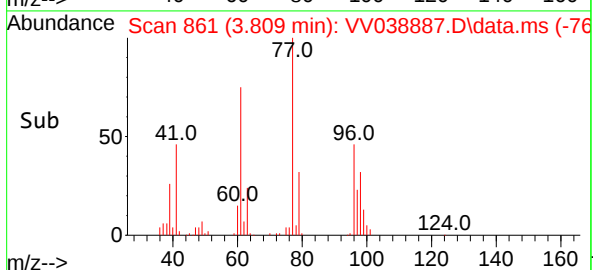
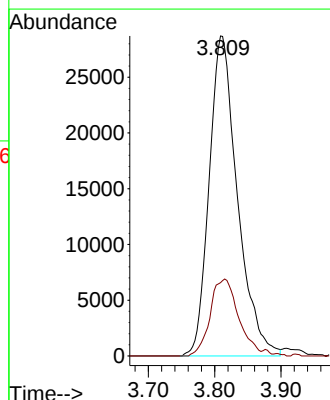
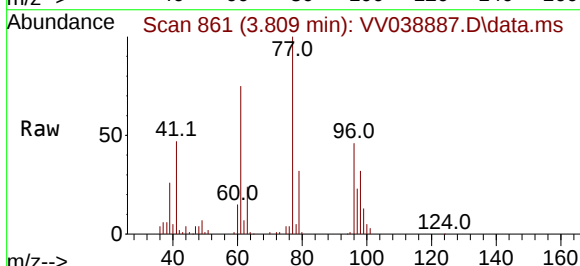
Acq: 11 Jul 2025 14:38

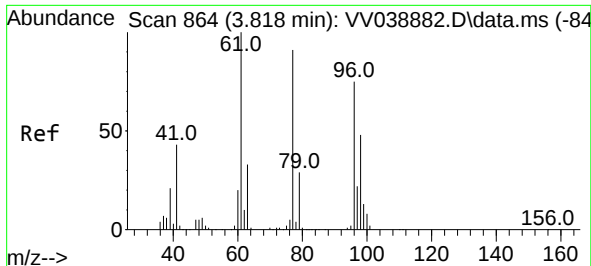
Tgt Ion: 77 Resp: 84956

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 10.390 ug/l

RT: 3.825 min Scan# 866

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

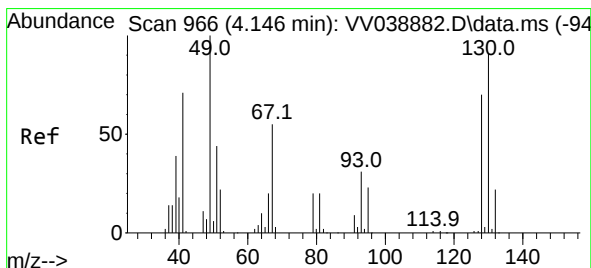
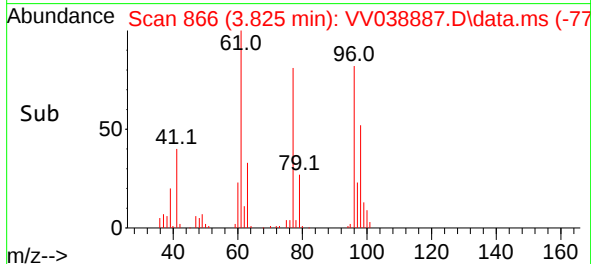
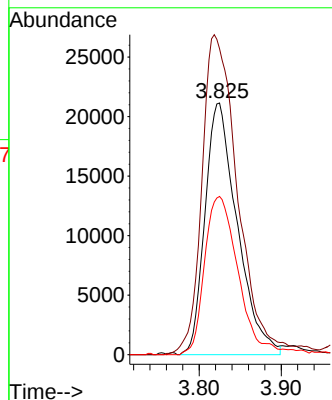
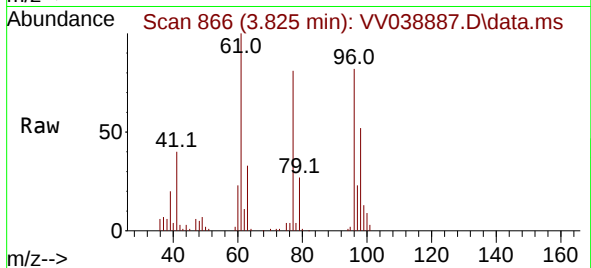
Tgt Ion: 96 Resp: 57714

Ion Ratio Lower Upper

96 100

61 140.9 0.0 275.0

98 66.1 0.0 130.0



#28

Bromochloromethane

Concen: 9.857 ug/l

RT: 4.149 min Scan# 967

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

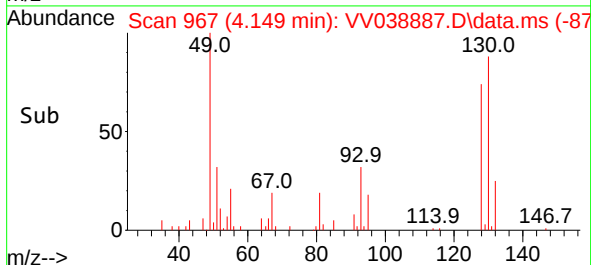
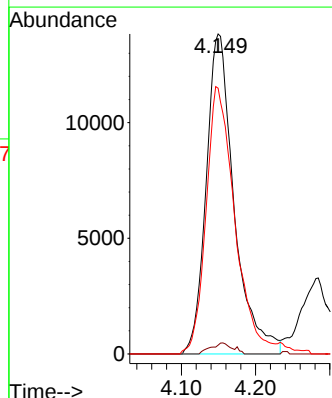
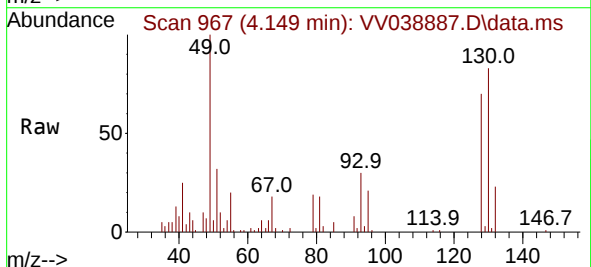
Tgt Ion: 49 Resp: 36165

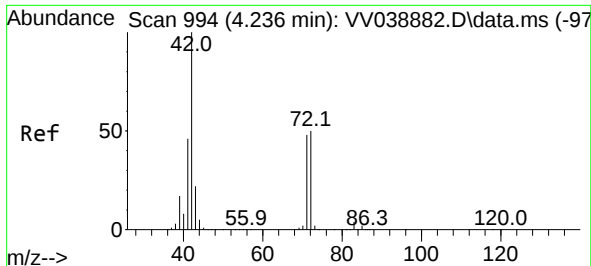
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

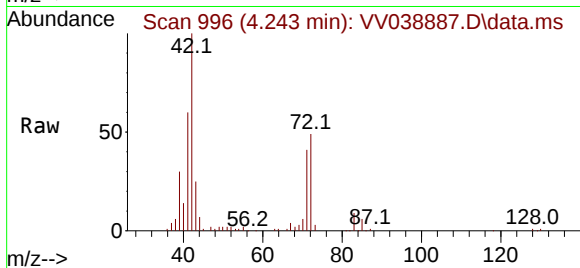
130 85.8 70.1 105.1



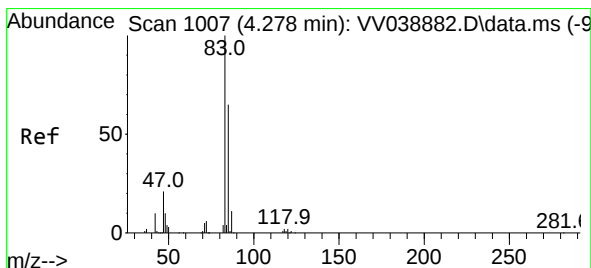
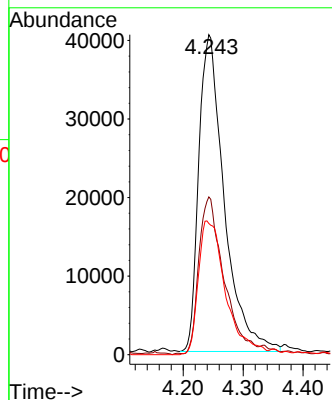
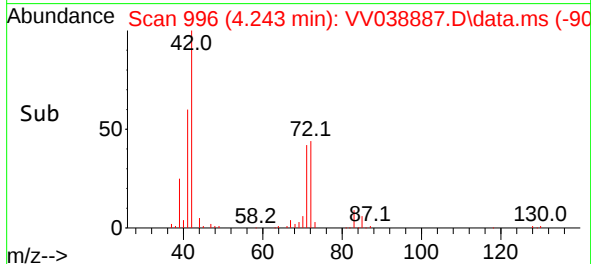


#29  
Tetrahydrofuran  
Concen: 54.971 ug/l  
RT: 4.243 min Scan# 994  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

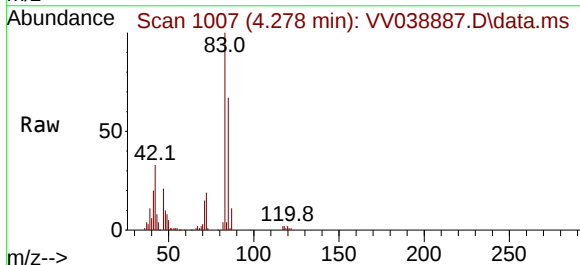
Instrument :  
MSVOA\_V  
ClientSampleId :



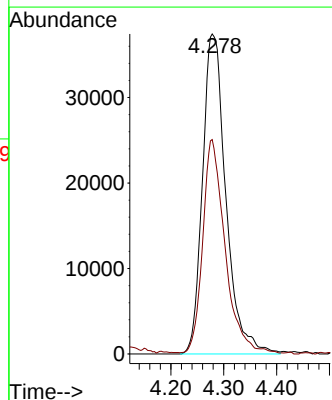
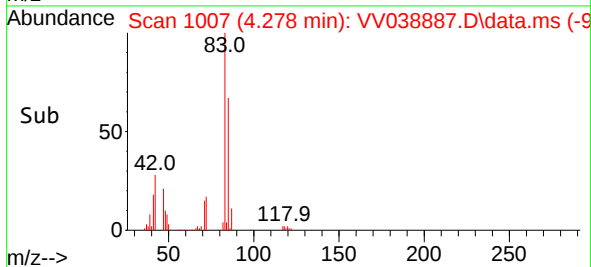
Tgt Ion: 42 Resp: 119237  
Ion Ratio Lower Upper  
42 100  
72 48.3 41.6 62.4  
71 45.1 38.4 57.6

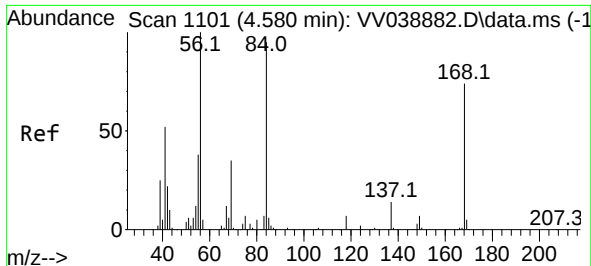


#30  
Chloroform  
Concen: 11.036 ug/l  
RT: 4.278 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38



Tgt Ion: 83 Resp: 115325  
Ion Ratio Lower Upper  
83 100  
85 66.7 52.2 78.4

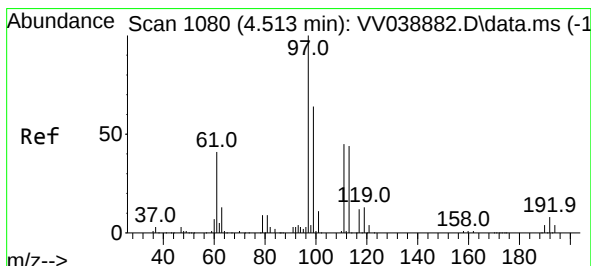
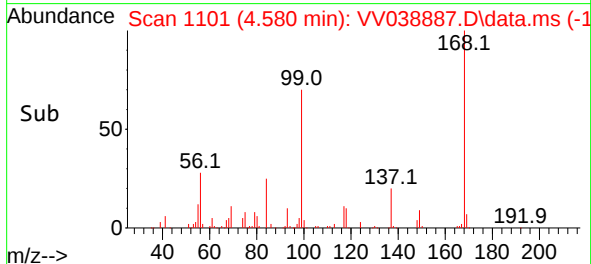
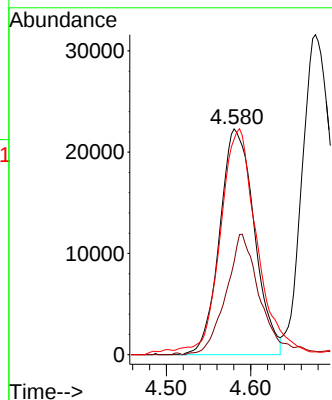
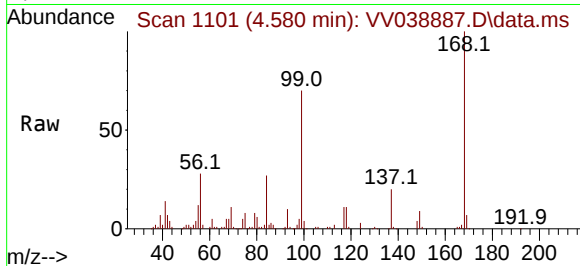




#31  
Cyclohexane  
Concen: 10.253 ug/l  
RT: 4.580 min Scan# 1101  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

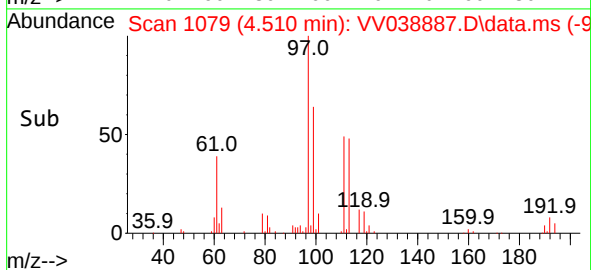
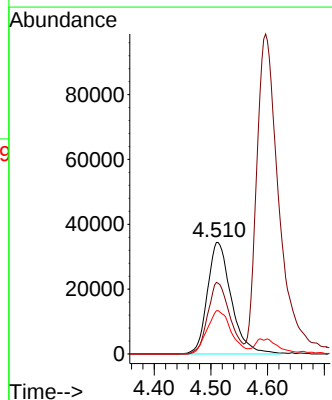
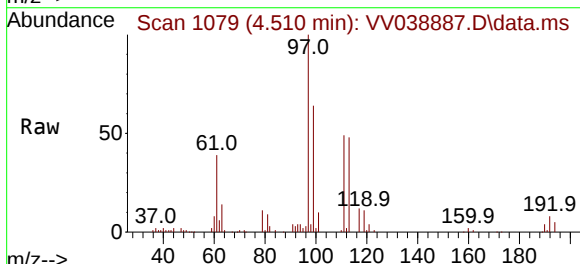
Instrument :  
MSVOA\_V  
ClientSampleId :

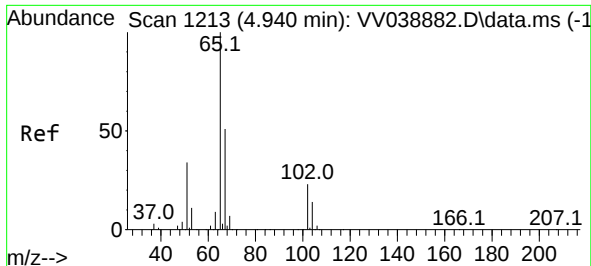
Tgt Ion: 56 Resp: 63789  
Ion Ratio Lower Upper  
56 100  
69 40.6 28.2 42.2  
84 92.6 76.0 114.0



#32  
1,1,1-Trichloroethane  
Concen: 11.044 ug/l  
RT: 4.510 min Scan# 1079  
Delta R.T. -0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 97 Resp: 100690  
Ion Ratio Lower Upper  
97 100  
99 58.9 50.1 75.1  
61 39.4 32.6 49.0





#33

1,2-Dichloroethane-d4

Concen: 10.299 ug/l

RT: 4.947 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

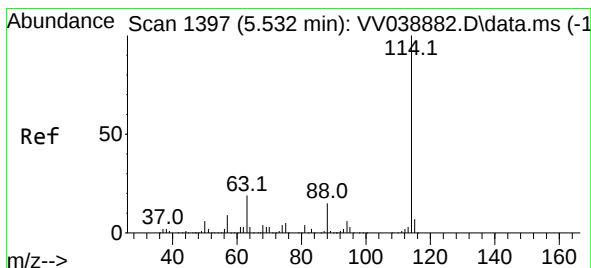
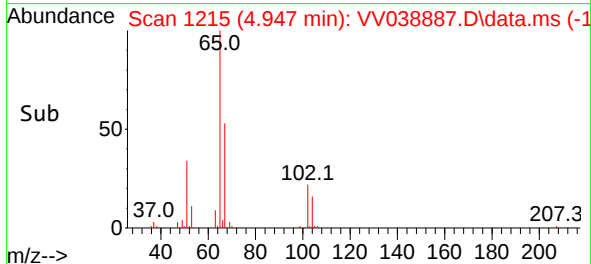
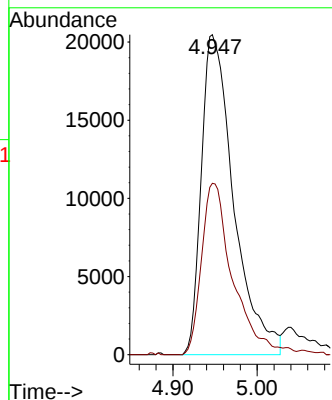
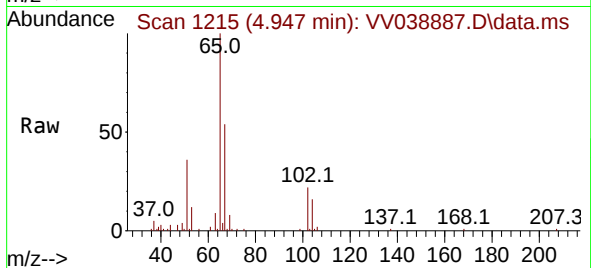
ClientSampleId :

Tgt Ion: 65 Resp: 54651

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

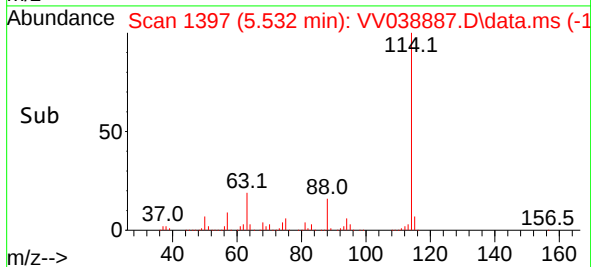
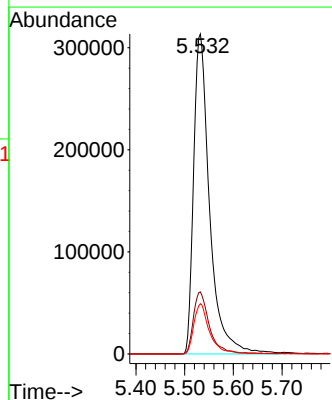
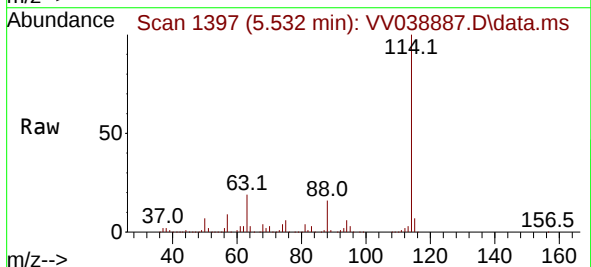
Tgt Ion: 114 Resp: 715091

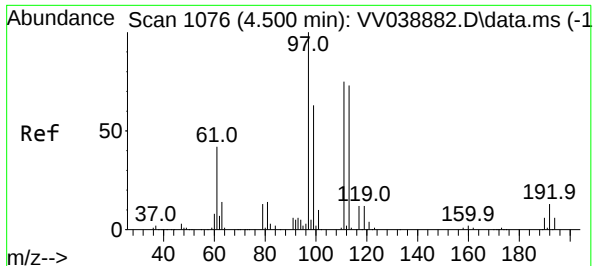
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.2

88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 9.508 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

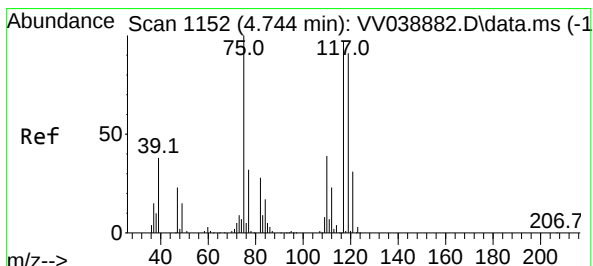
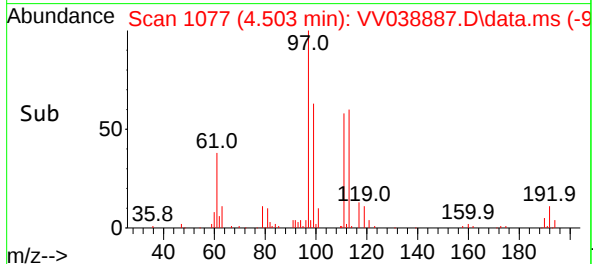
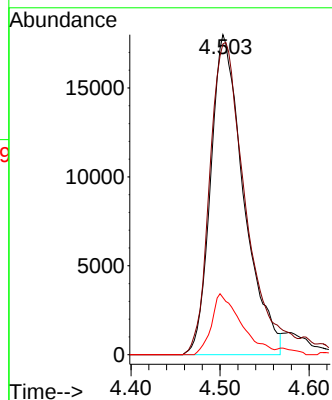
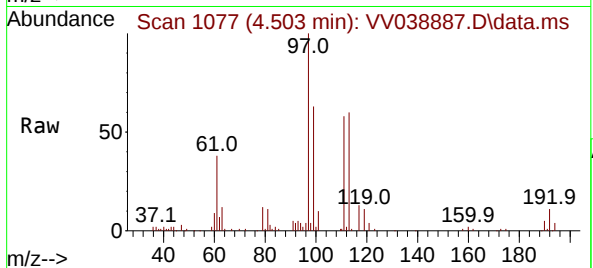
Tgt Ion:113 Resp: 46356

Ion Ratio Lower Upper

113 100

111 106.2 83.3 124.9

192 17.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 9.395 ug/l

RT: 4.747 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

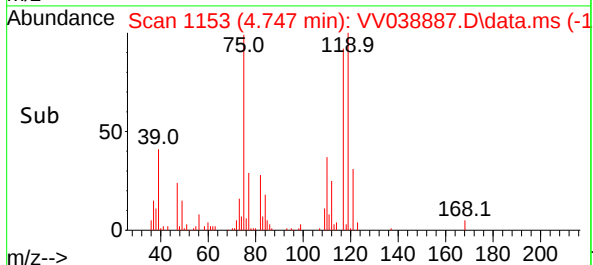
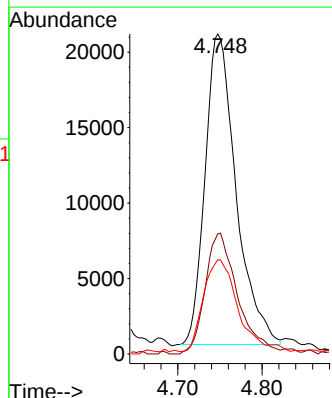
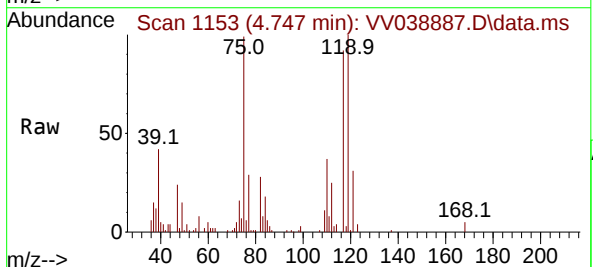
Tgt Ion: 75 Resp: 52643

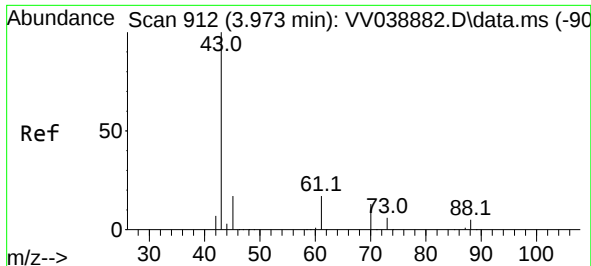
Ion Ratio Lower Upper

75 100

110 40.6 18.8 56.3

77 32.1 24.2 36.4





#37

Ethyl Acetate

Concen: 10.404 ug/l

RT: 3.989 min Scan# 912

Delta R.T. 0.016 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

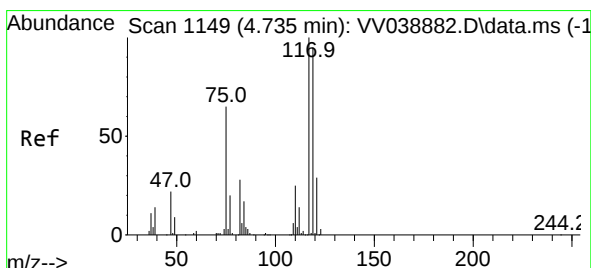
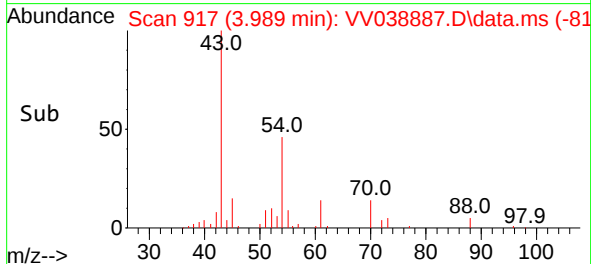
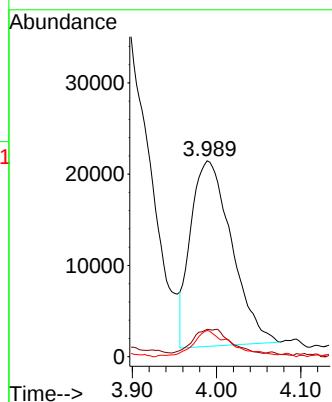
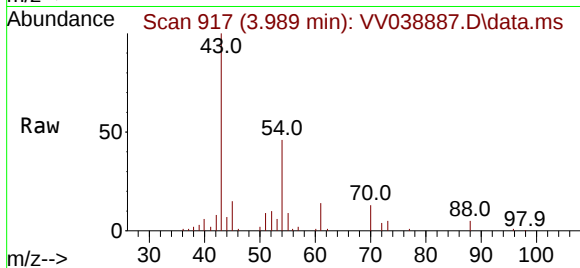
Tgt Ion: 43 Resp: 68638

Ion Ratio Lower Upper

43 100

61 11.5 11.1 16.7

70 13.3 8.9 13.3



#38

Carbon Tetrachloride

Concen: 9.763 ug/l

RT: 4.731 min Scan# 1148

Delta R.T. -0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

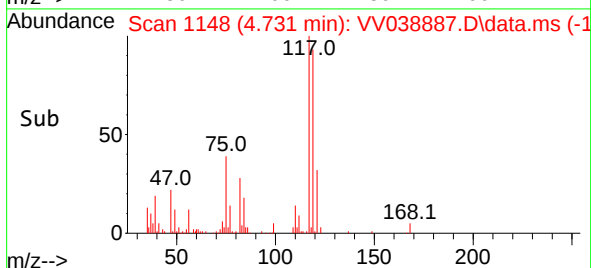
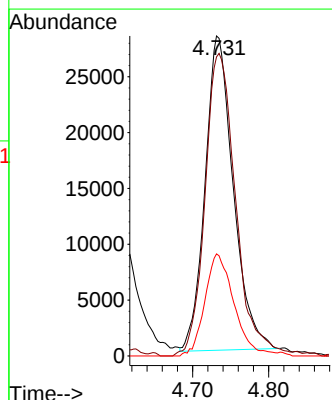
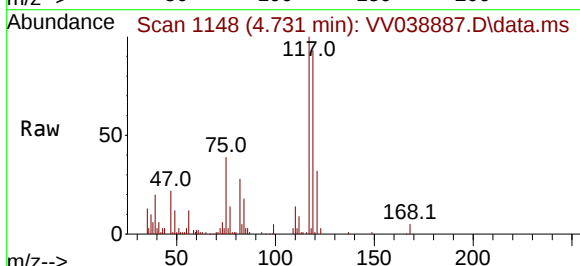
Tgt Ion: 117 Resp: 72664

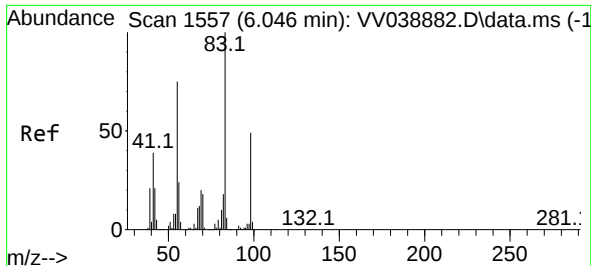
Ion Ratio Lower Upper

117 100

119 94.1 76.0 114.0

121 32.7 23.1 34.7





#39

Methylcyclohexane

Concen: 9.510 ug/l

RT: 6.050 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

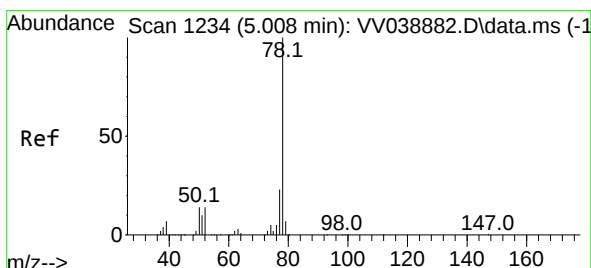
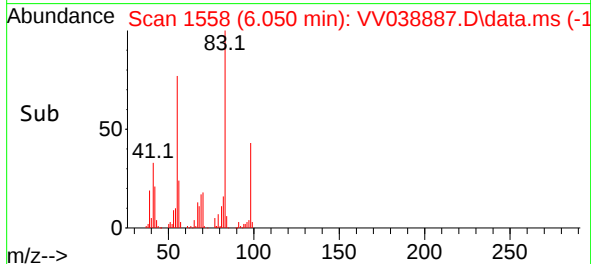
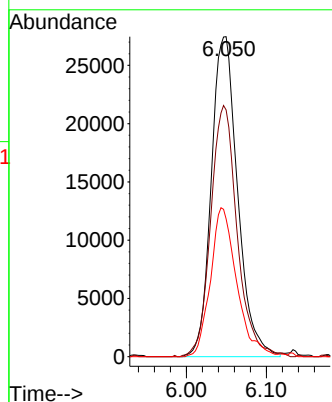
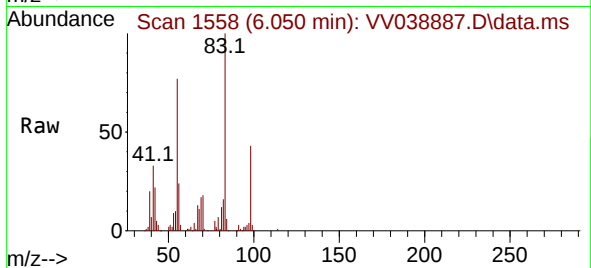
Tgt Ion: 83 Resp: 62872

Ion Ratio Lower Upper

83 100

55 77.1 60.0 90.0

98 43.0 39.0 58.6



#40

Benzene

Concen: 10.544 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV038887.D

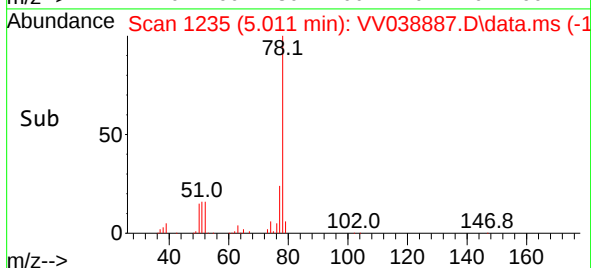
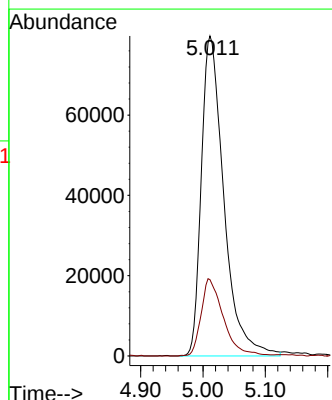
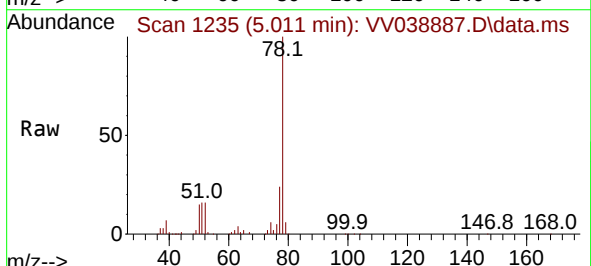
Acq: 11 Jul 2025 14:38

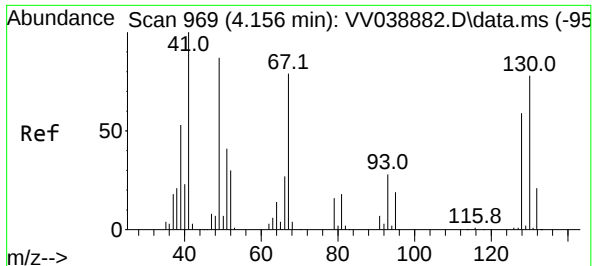
Tgt Ion: 78 Resp: 200286

Ion Ratio Lower Upper

78 100

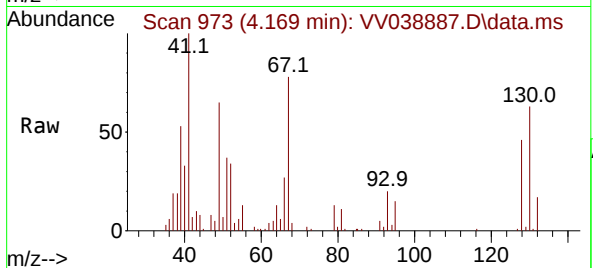
77 23.7 18.6 28.0



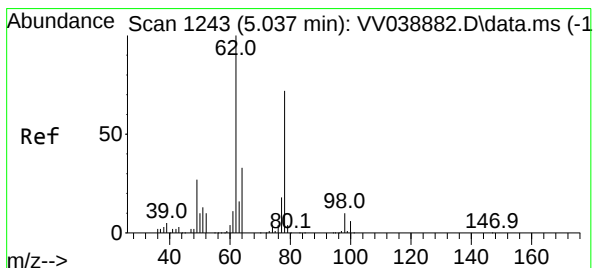
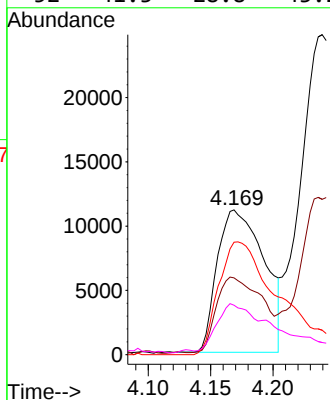
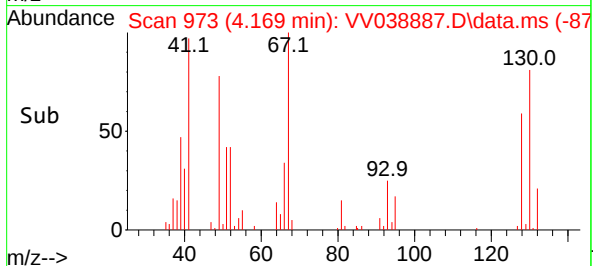


#41  
Methacrylonitrile  
Concen: 9.700 ug/l  
RT: 4.169 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Instrument :  
MSVOA\_V  
ClientSampleId :

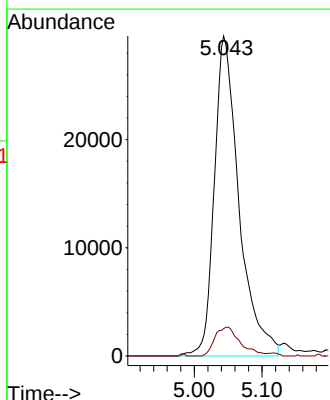
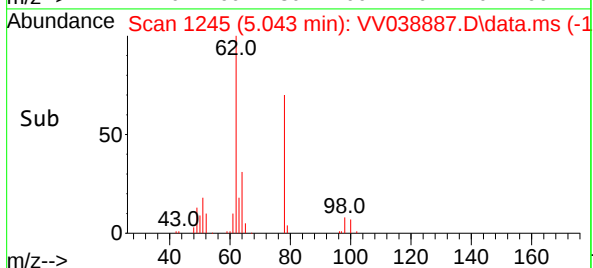
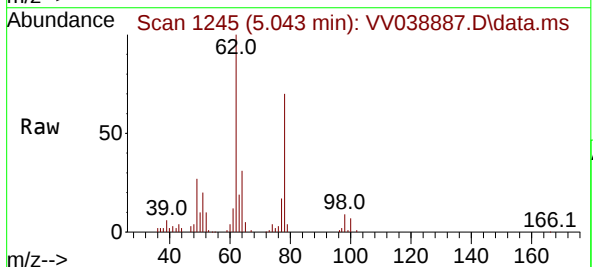


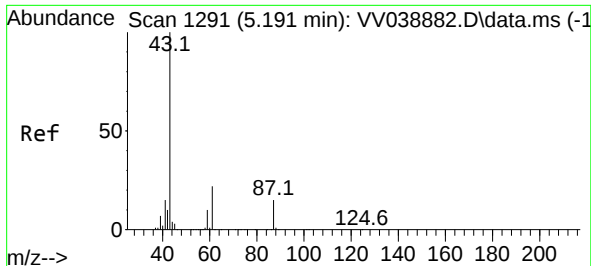
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 28998 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.2  | 42.0  | 63.0  |
| 67       | 108.9 | 76.2  | 114.2 |
| 52       | 41.3  | 28.8  | 43.2  |



#42  
1,2-Dichloroethane  
Concen: 10.349 ug/l  
RT: 5.043 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 74928 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.2   | 0.0   | 18.8  |

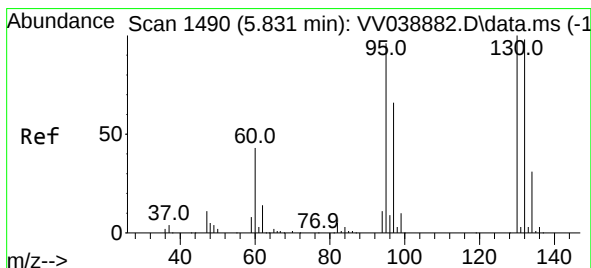
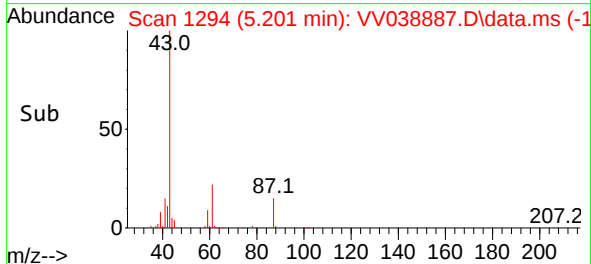
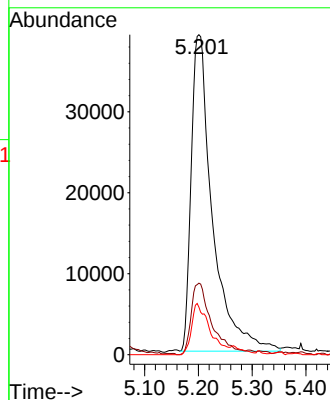
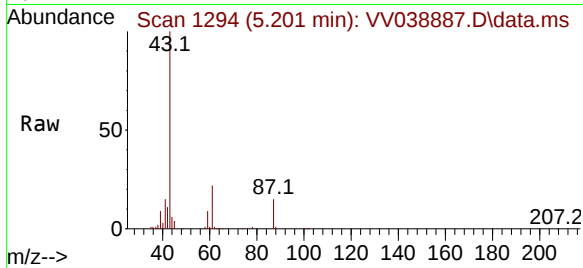




#43  
Isopropyl Acetate  
Concen: 10.292 ug/l  
RT: 5.201 min Scan# 1291  
Delta R.T. 0.010 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

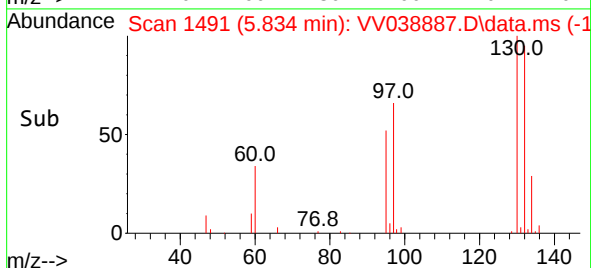
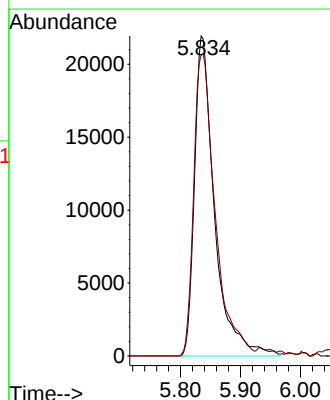
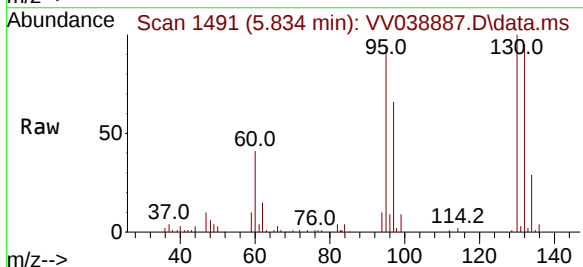
Instrument :  
MSVOA\_V  
ClientSampleId :

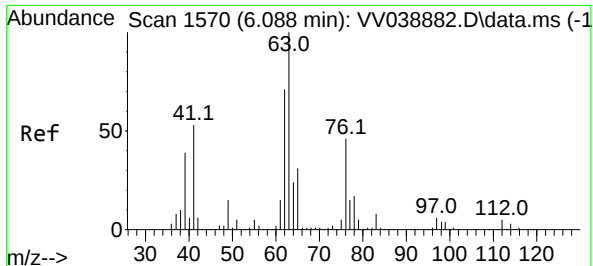
Tgt Ion: 43 Resp: 107378  
Ion Ratio Lower Upper  
43 100  
61 21.8 17.1 25.7  
87 13.9 12.2 18.4



#44  
Trichloroethene  
Concen: 10.243 ug/l  
RT: 5.834 min Scan# 1491  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:130 Resp: 50839  
Ion Ratio Lower Upper  
130 100  
95 94.1 0.0 191.2





#45

1,2-Dichloropropane

Concen: 10.385 ug/l

RT: 6.091 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

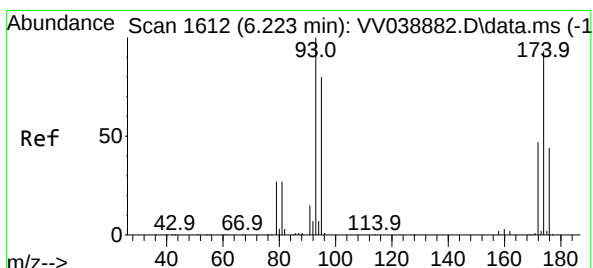
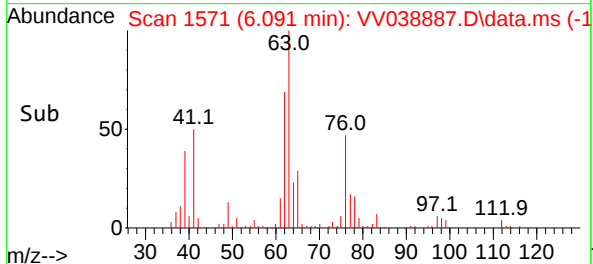
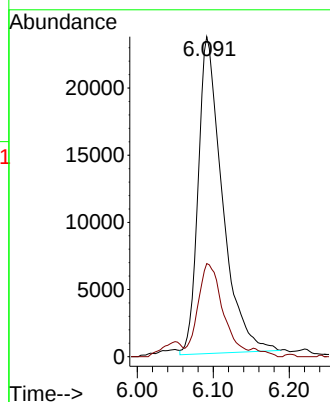
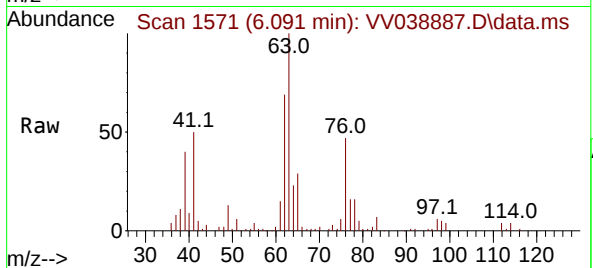
ClientSampleId :

Tgt Ion: 63 Resp: 52109

Ion Ratio Lower Upper

63 100

65 29.7 24.9 37.3



#46

Dibromomethane

Concen: 10.620 ug/l

RT: 6.230 min Scan# 1614

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

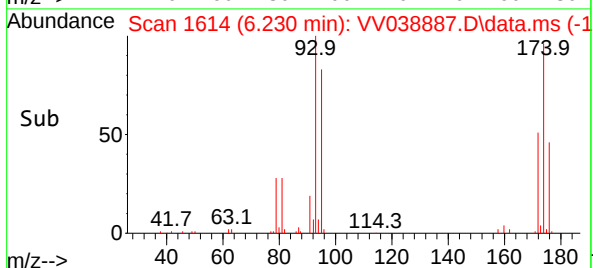
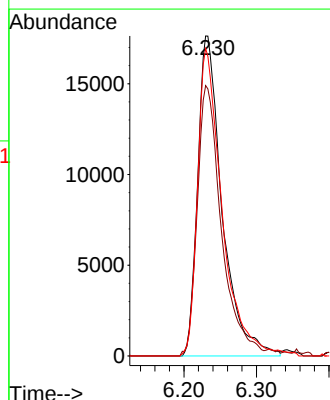
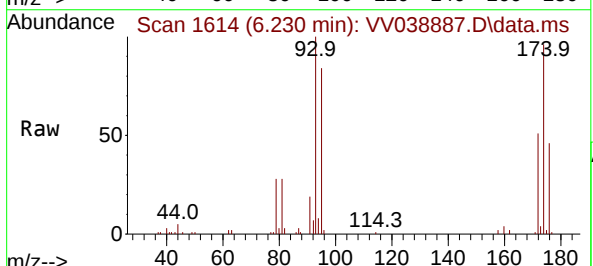
Tgt Ion: 93 Resp: 41228

Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.4

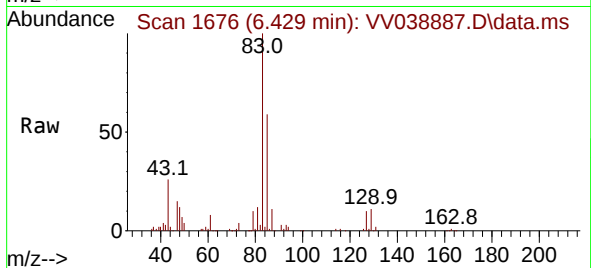
174 96.9 75.3 112.9



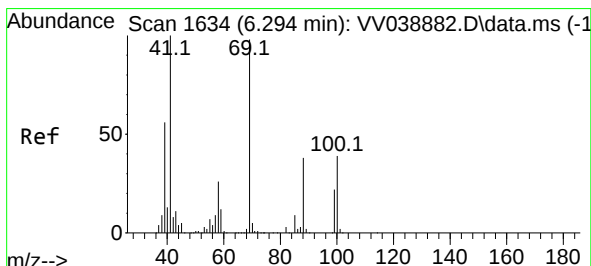
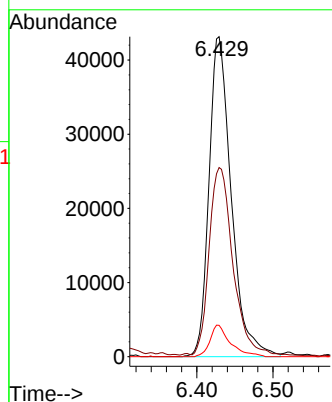
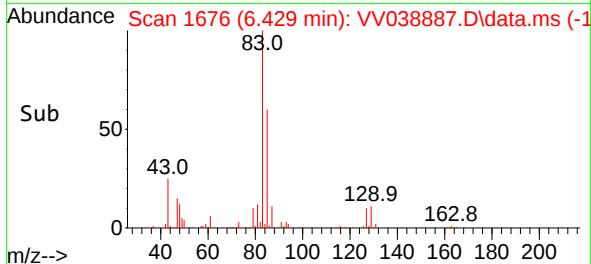


#47  
Bromodichloromethane  
Concen: 10.655 ug/l  
RT: 6.429 min Scan# 1675  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

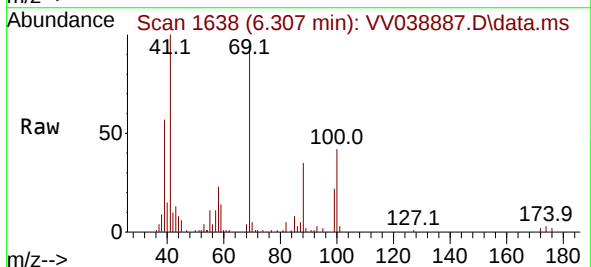
Instrument :  
MSVOA\_V  
ClientSampleId :



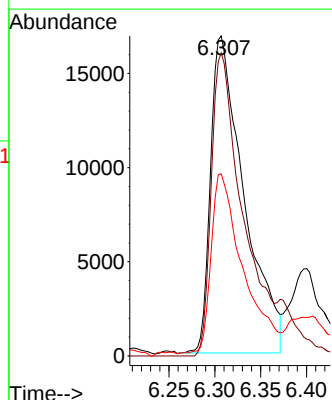
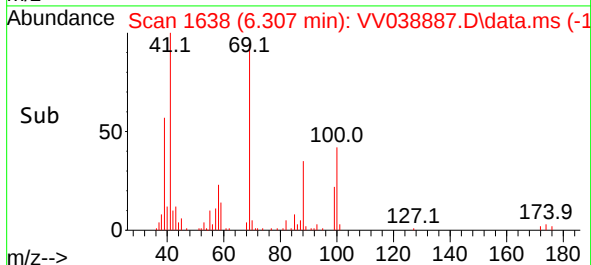
Tgt Ion: 83 Resp: 87790  
Ion Ratio Lower Upper  
83 100  
85 58.6 51.4 77.0  
127 9.8 6.9 10.3

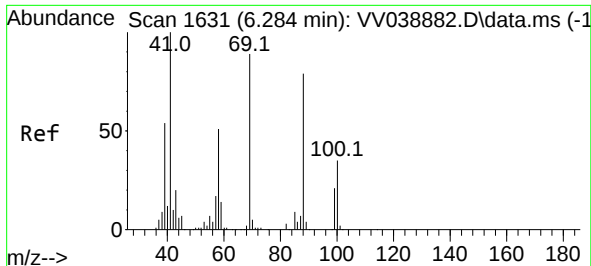


#48  
Methyl methacrylate  
Concen: 9.367 ug/l  
RT: 6.307 min Scan# 1638  
Delta R.T. 0.013 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38



Tgt Ion: 41 Resp: 42800  
Ion Ratio Lower Upper  
41 100  
69 89.0 79.4 119.2  
39 53.7 44.0 66.0





#49

1,4-Dioxane

Concen: 219.703 ug/l

RT: 6.294 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

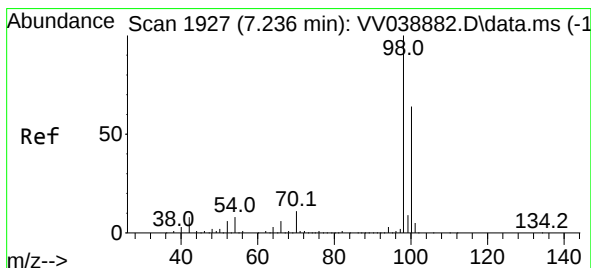
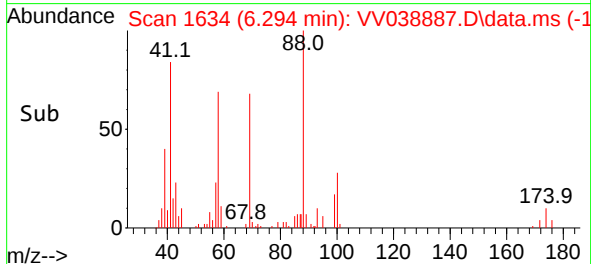
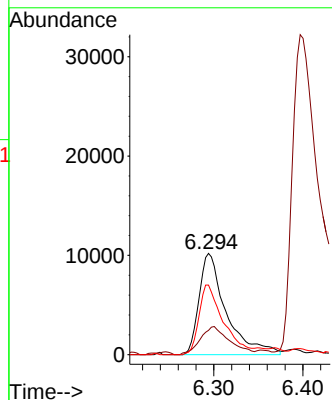
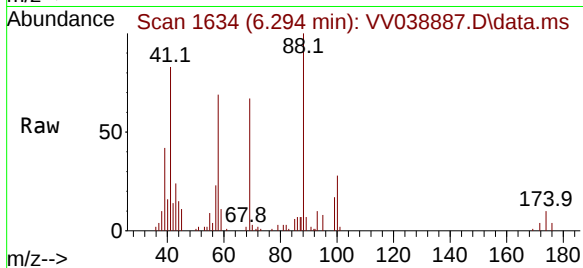
Tgt Ion: 88 Resp: 21545

Ion Ratio Lower Upper

88 100

43 29.9 23.0 34.4

58 62.3 53.8 80.6



#50

Toluene-d8

Concen: 9.378 ug/l

RT: 7.239 min Scan# 1928

Delta R.T. 0.003 min

Lab File: VV038887.D

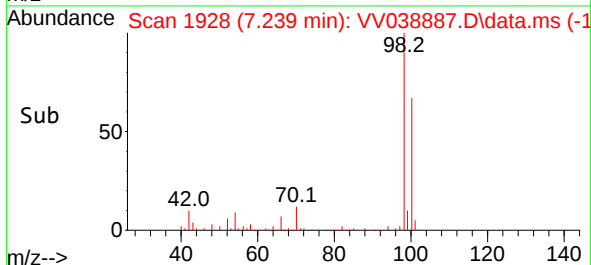
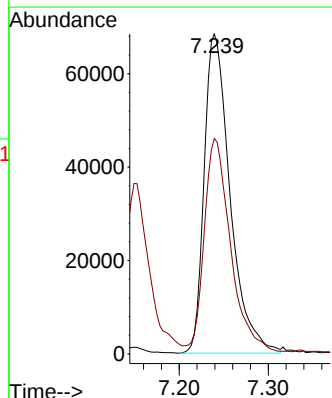
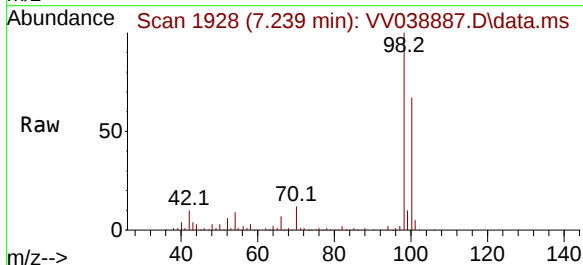
Acq: 11 Jul 2025 14:38

Tgt Ion: 98 Resp: 138202

Ion Ratio Lower Upper

98 100

100 68.1 52.9 79.3

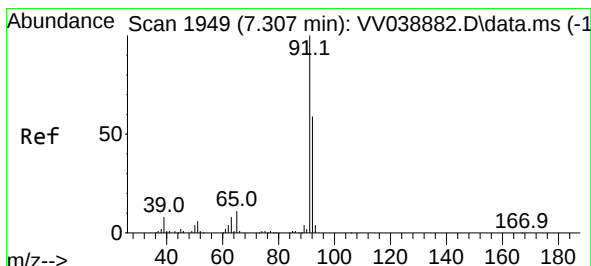
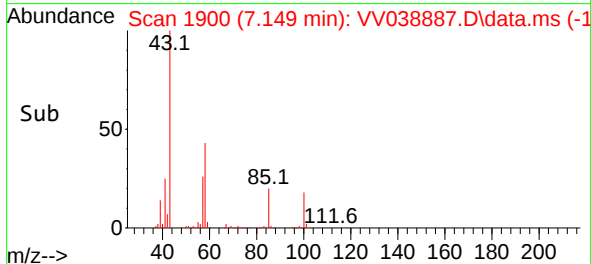
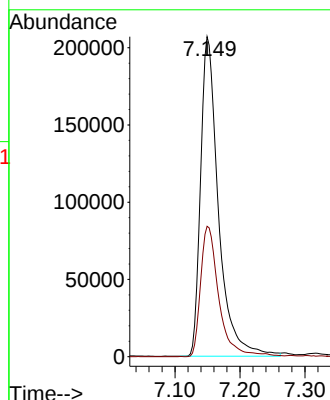
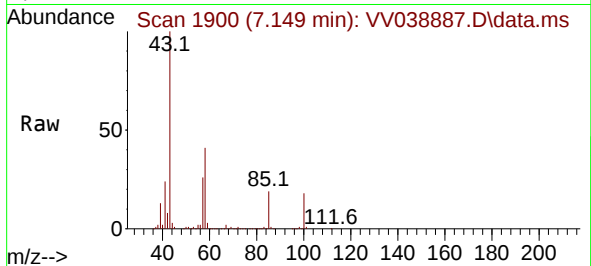




#51  
 4-Methyl-2-Pentanone  
 Concen: 55.869 ug/l  
 RT: 7.149 min Scan# 1900  
 Delta R.T. 0.003 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

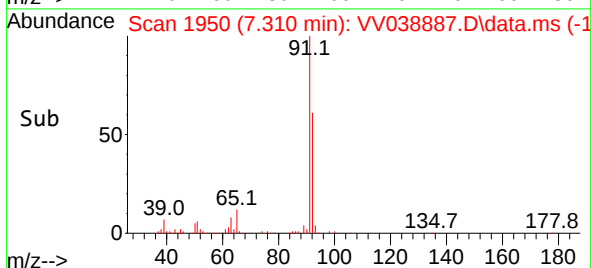
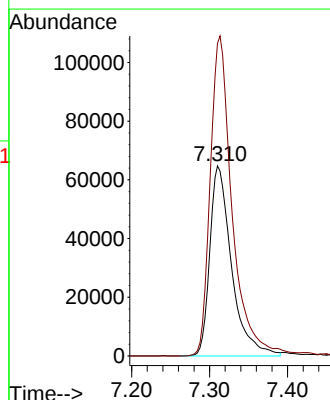
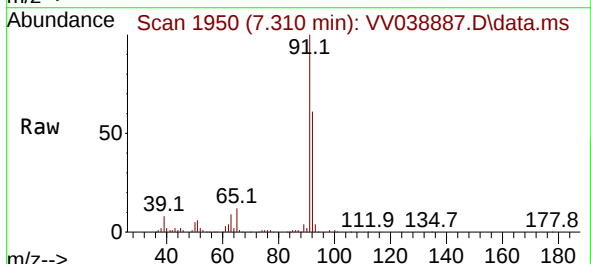
Instrument :  
 MSVOA\_V  
 ClientSampleId :

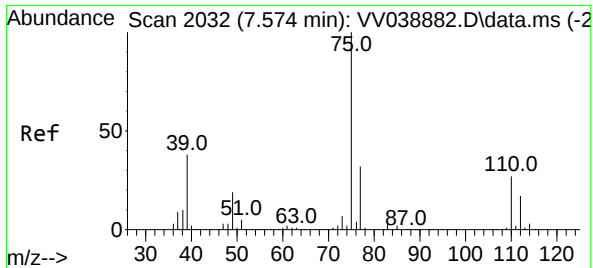
Tgt Ion: 43 Resp: 396913  
 Ion Ratio Lower Upper  
 43 100  
 58 41.8 34.5 51.7



#52  
 Toluene  
 Concen: 10.512 ug/l  
 RT: 7.310 min Scan# 1950  
 Delta R.T. 0.003 min  
 Lab File: VV038887.D  
 Acq: 11 Jul 2025 14:38

Tgt Ion: 92 Resp: 125793  
 Ion Ratio Lower Upper  
 92 100  
 91 169.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 10.209 ug/l

RT: 7.580 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

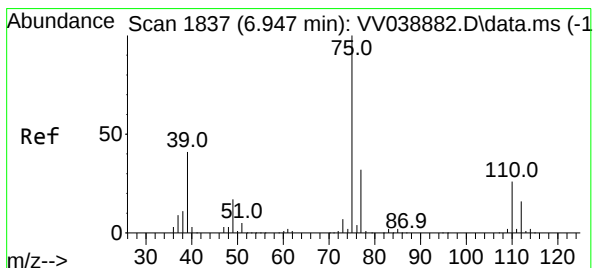
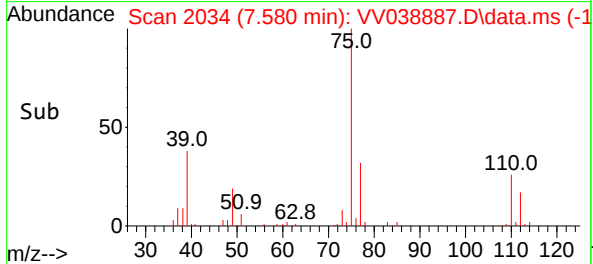
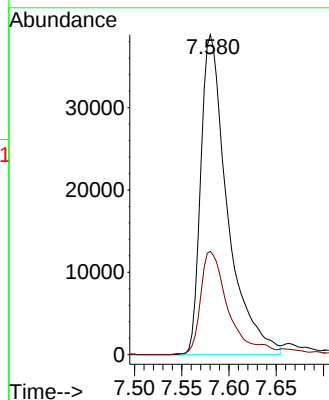
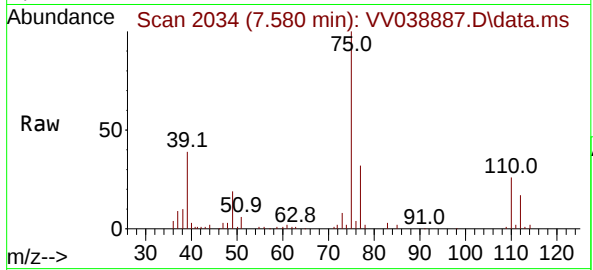
ClientSampleId :

Tgt Ion: 75 Resp: 76111

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 10.369 ug/l

RT: 6.953 min Scan# 1839

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

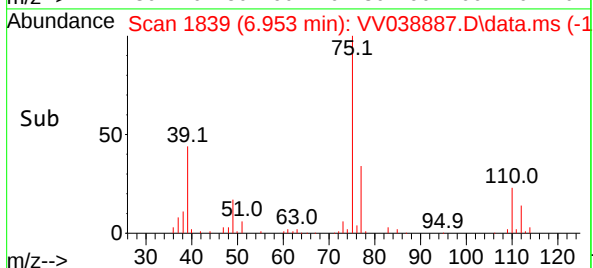
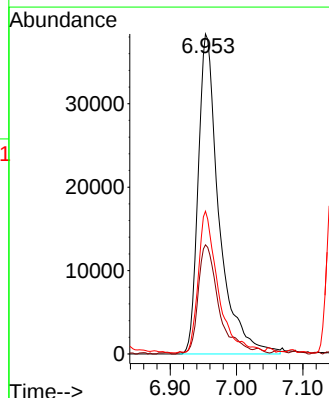
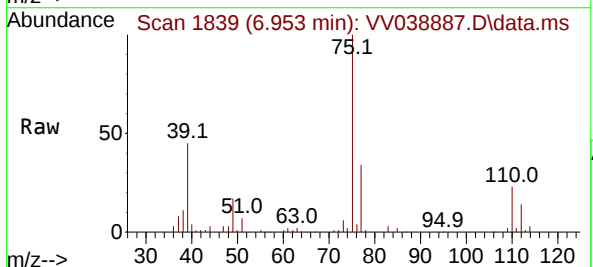
Tgt Ion: 75 Resp: 83567

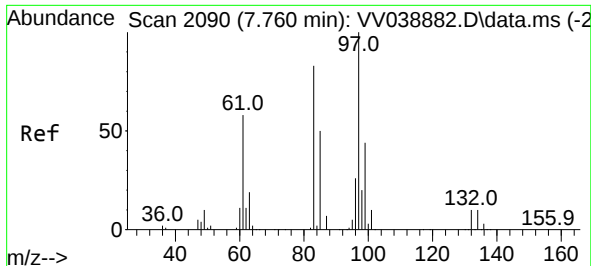
Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

39 43.9 33.1 49.7





#55

1,1,2-Trichloroethane

Concen: 10.665 ug/l

RT: 7.763 min Scan# 2090

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 60997

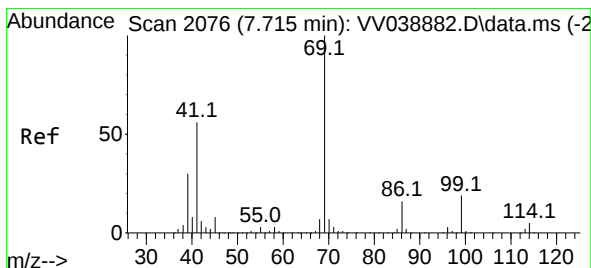
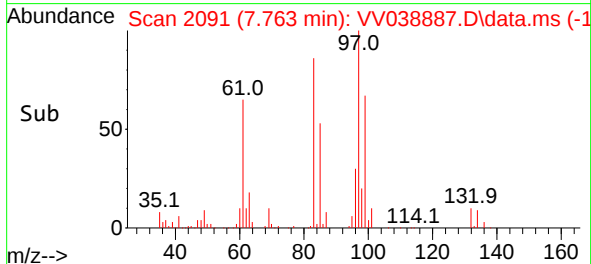
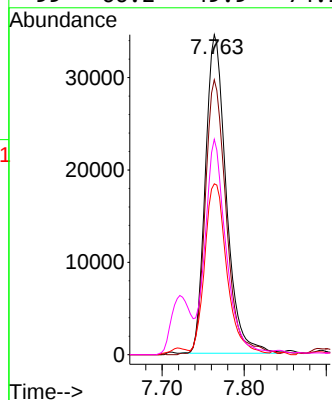
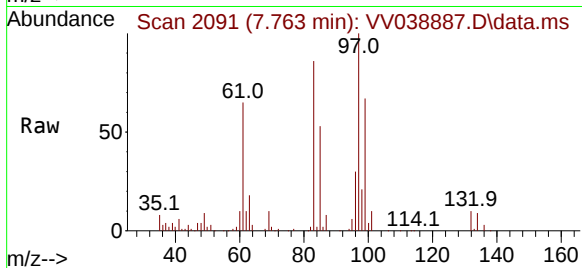
Ion Ratio Lower Upper

97 100

83 85.9 66.2 99.4

85 53.0 41.4 62.2

99 66.2 49.9 74.9



#56

Ethyl methacrylate

Concen: 10.463 ug/l

RT: 7.722 min Scan# 2078

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

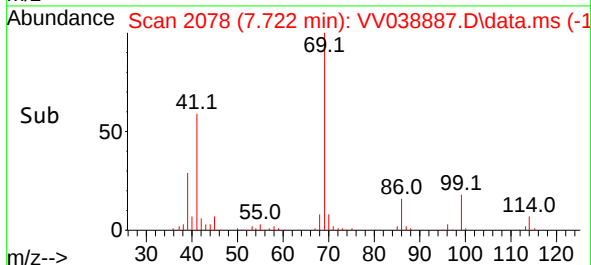
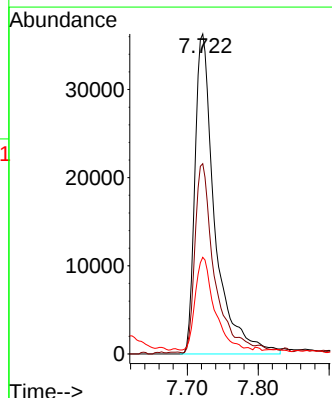
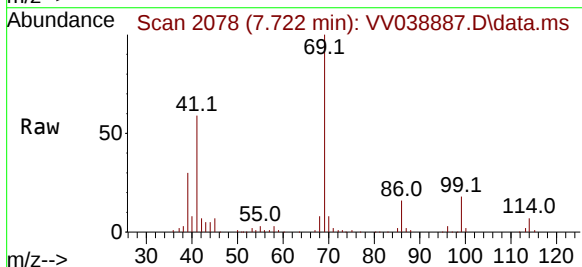
Tgt Ion: 69 Resp: 71111

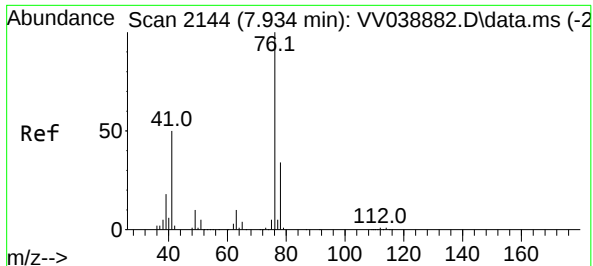
Ion Ratio Lower Upper

69 100

41 57.4 45.7 68.5

39 27.6 23.8 35.8





#57

1,3-Dichloropropane

Concen: 10.709 ug/l

RT: 7.937 min Scan# 2144

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

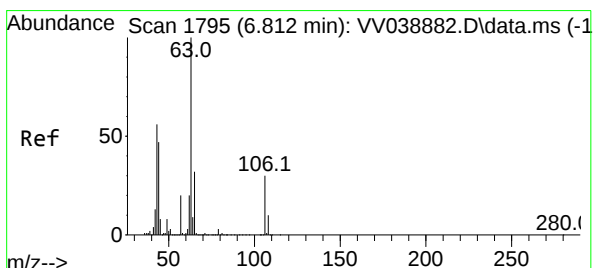
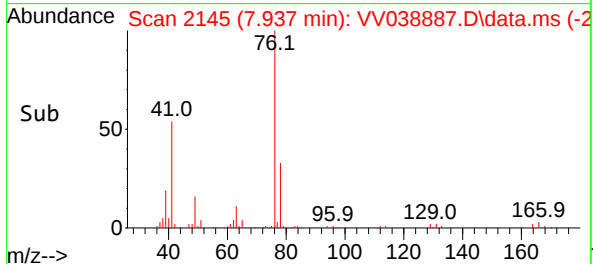
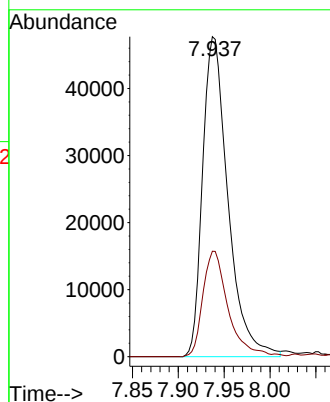
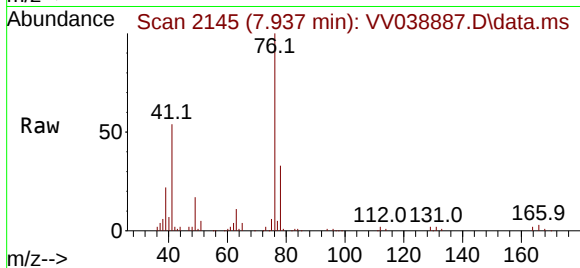
ClientSampleId :

Tgt Ion: 76 Resp: 91836

Ion Ratio Lower Upper

76 100

78 32.6 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 41.340 ug/l

RT: 6.815 min Scan# 1796

Delta R.T. 0.003 min

Lab File: VV038887.D

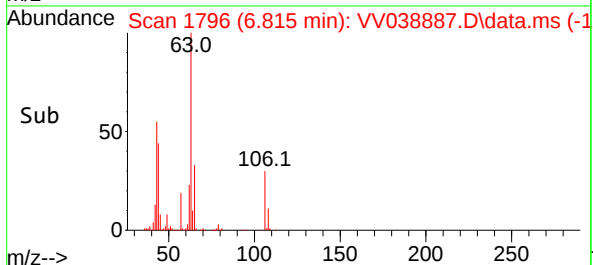
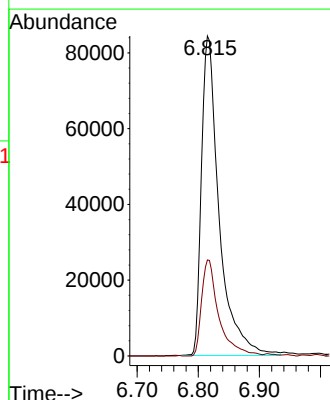
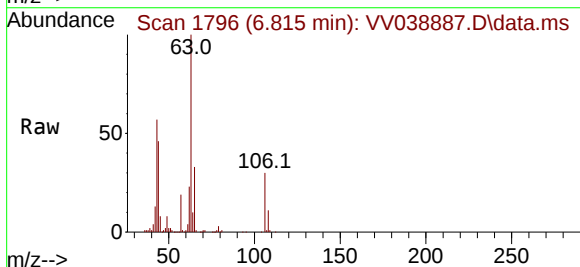
Acq: 11 Jul 2025 14:38

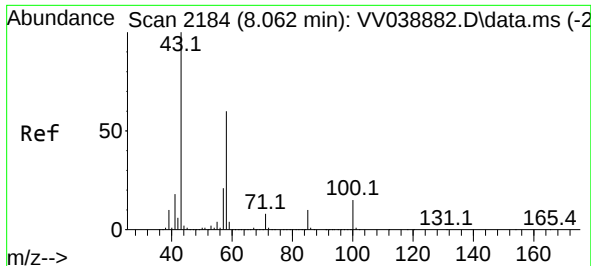
Tgt Ion: 63 Resp: 169453

Ion Ratio Lower Upper

63 100

106 29.2 24.1 36.1

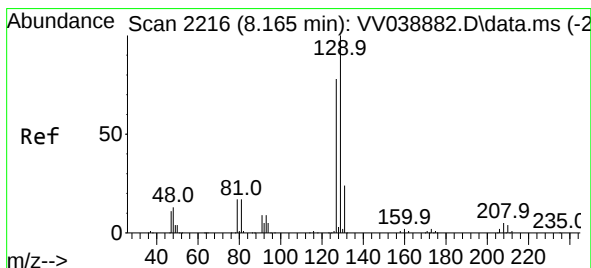
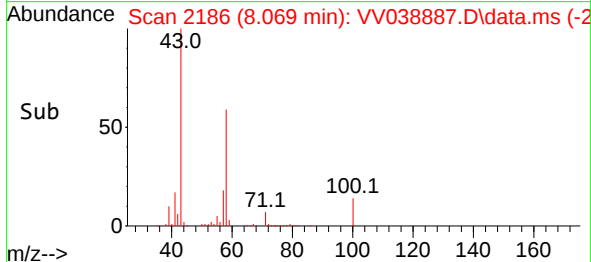
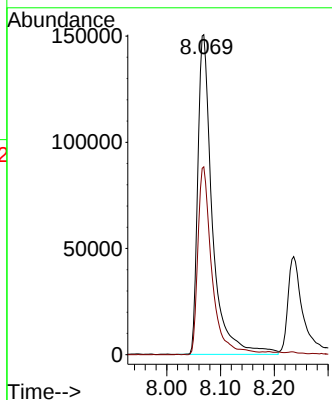
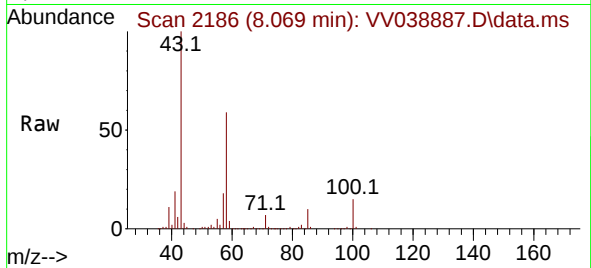




#59  
2-Hexanone  
Concen: 53.557 ug/l  
RT: 8.069 min Scan# 2186  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

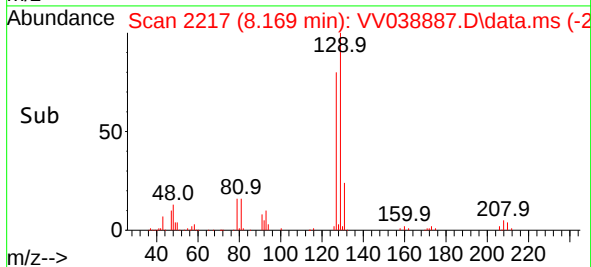
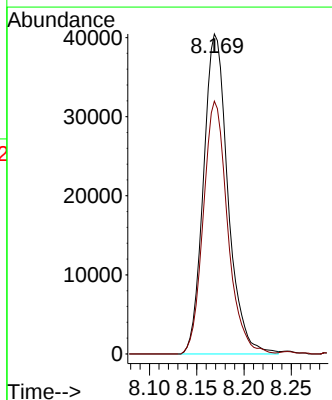
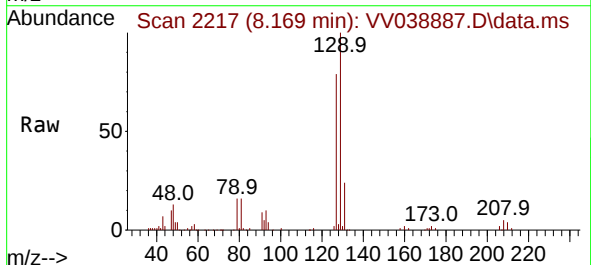
Instrument :  
MSVOA\_V  
ClientSampleId :

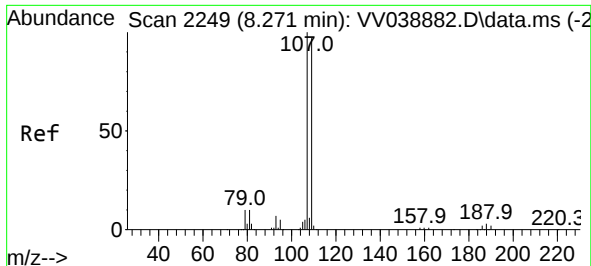
Tgt Ion: 43 Resp: 283236  
Ion Ratio Lower Upper  
43 100  
58 56.5 29.6 88.8



#60  
Dibromochloromethane  
Concen: 10.828 ug/l  
RT: 8.169 min Scan# 2217  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:129 Resp: 72928  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.4 118.2





#61

1,2-Dibromoethane

Concen: 11.009 ug/l

RT: 8.275 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

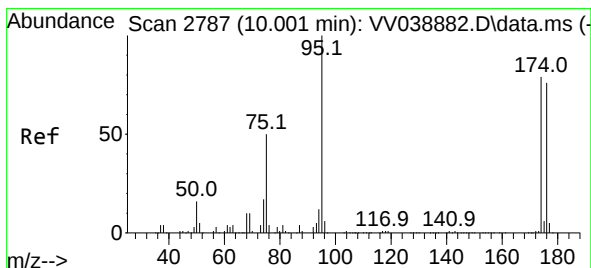
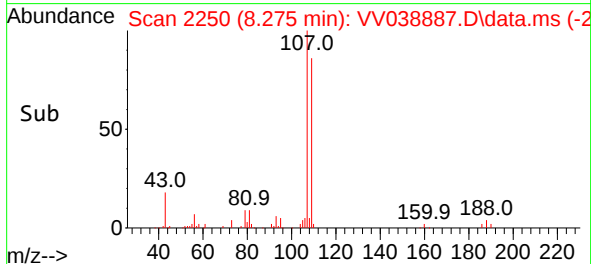
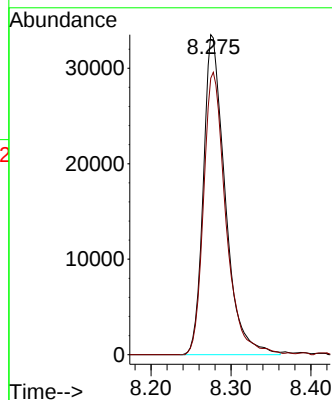
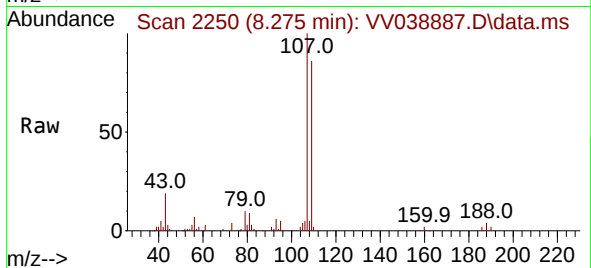
ClientSampleId :

Tgt Ion:107 Resp: 63434

Ion Ratio Lower Upper

107 100

109 90.5 77.1 115.7



#62

4-Bromofluorobenzene

Concen: 9.501 ug/l

RT: 10.008 min Scan# 2789

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

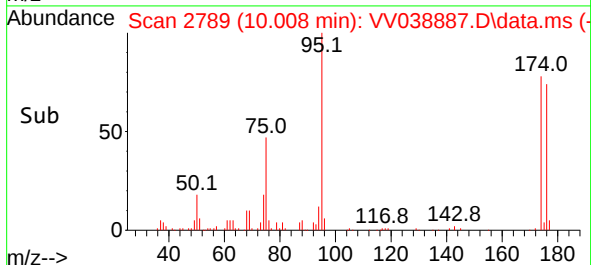
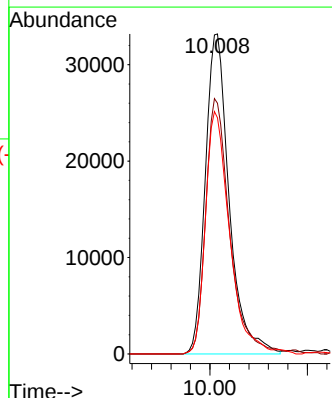
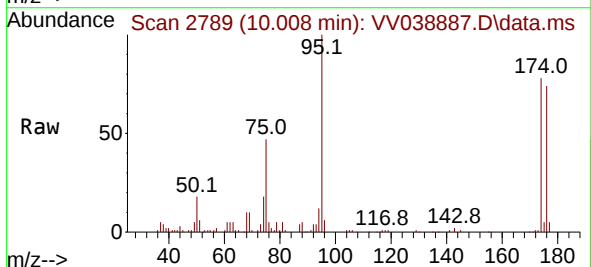
Tgt Ion: 95 Resp: 56404

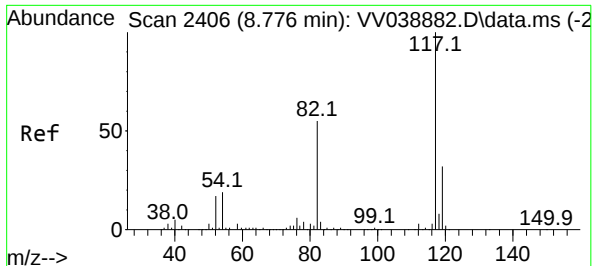
Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.0

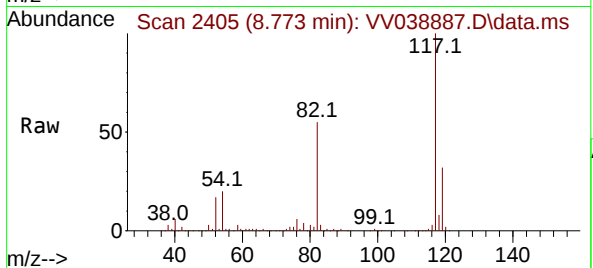
176 76.5 0.0 152.2



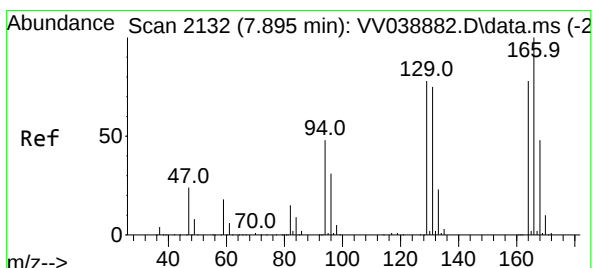
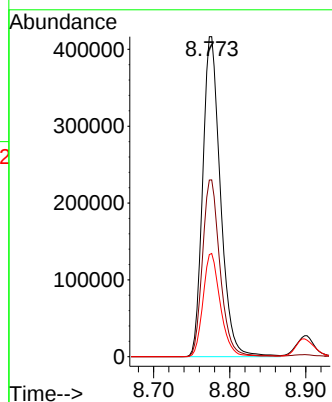
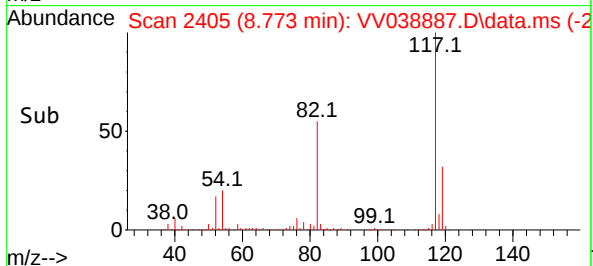


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 8.773 min Scan# 2406  
Delta R.T. -0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

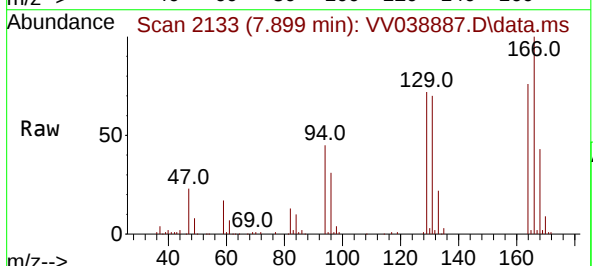
Instrument :  
MSVOA\_V  
ClientSampleId :



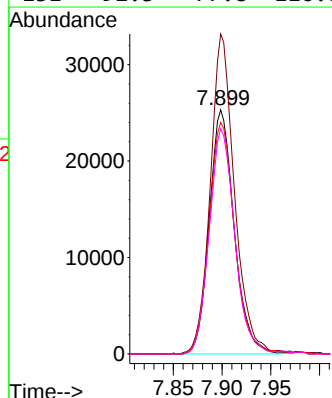
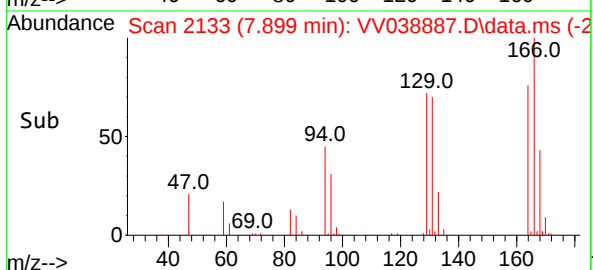
Tgt Ion:117 Resp: 675069  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.7 65.5  
119 31.9 25.4 38.0

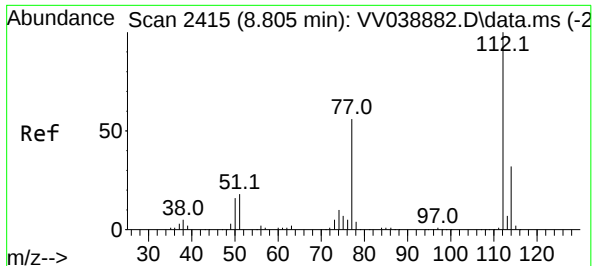


#64  
Tetrachloroethene  
Concen: 10.168 ug/l  
RT: 7.899 min Scan# 2133  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38



Tgt Ion:164 Resp: 45019  
Ion Ratio Lower Upper  
164 100  
166 131.1 103.2 154.8  
129 94.8 81.0 121.4  
131 92.3 77.8 116.8





#65

Chlorobenzene

Concen: 10.280 ug/l

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

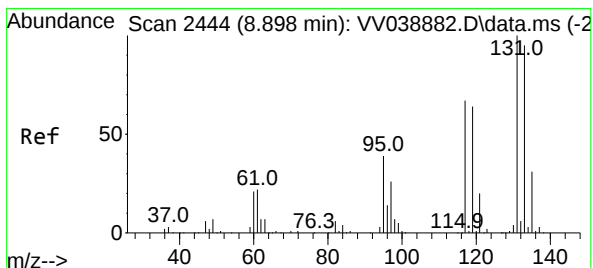
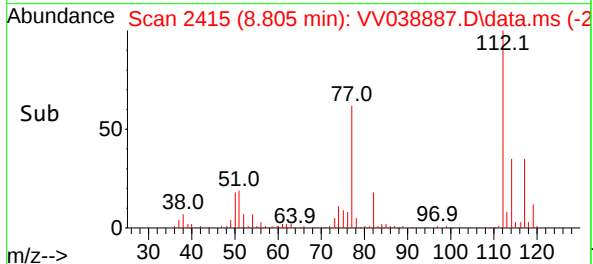
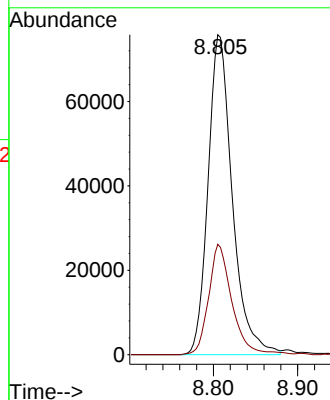
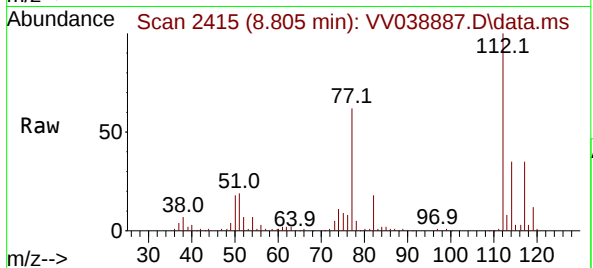
ClientSampleId :

Tgt Ion:112 Resp: 151630

Ion Ratio Lower Upper

112 100

114 34.5 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 10.713 ug/l

RT: 8.898 min Scan# 2444

Delta R.T. 0.000 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

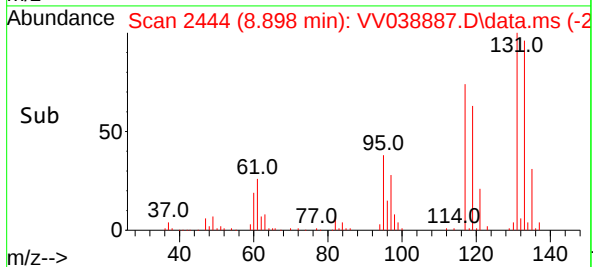
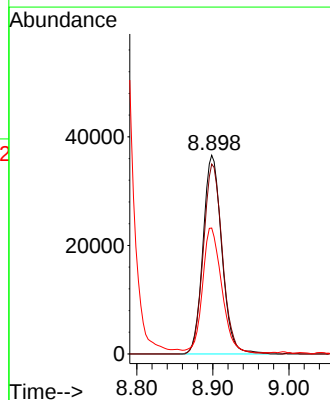
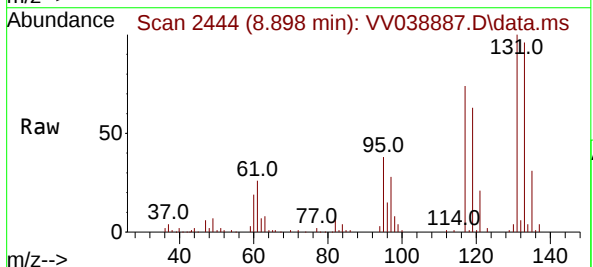
Tgt Ion:131 Resp: 63016

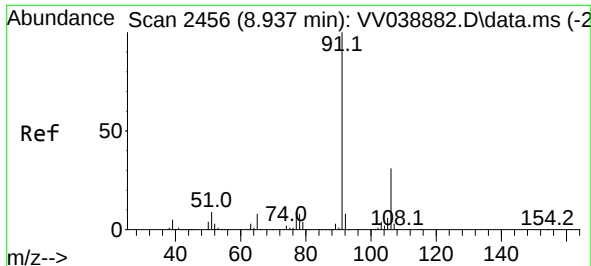
Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

119 64.5 32.0 96.2





#67

Ethyl Benzene

Concen: 10.270 ug/l

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

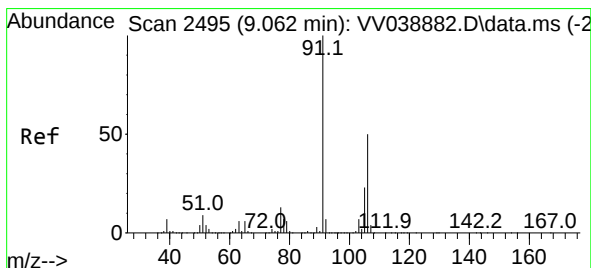
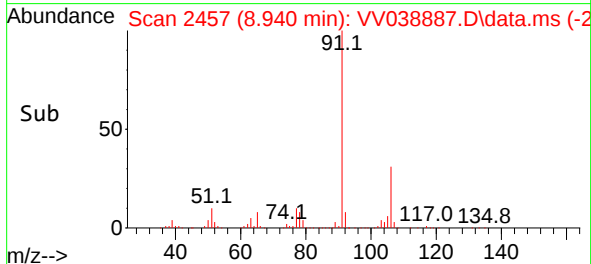
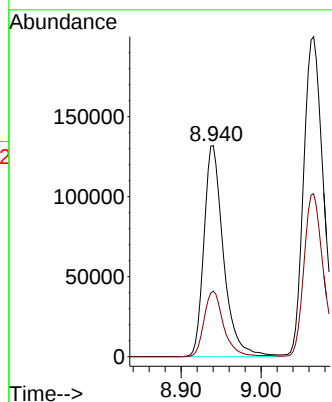
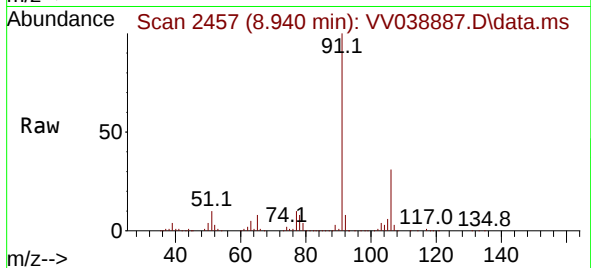
ClientSampleId :

Tgt Ion: 91 Resp: 224933

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 20.500 ug/l

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV038887.D

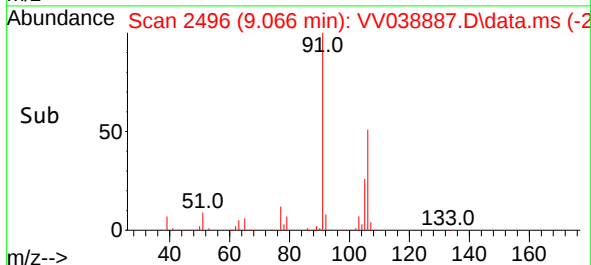
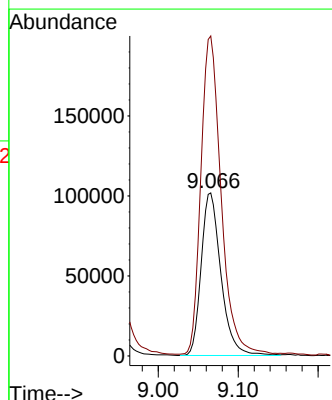
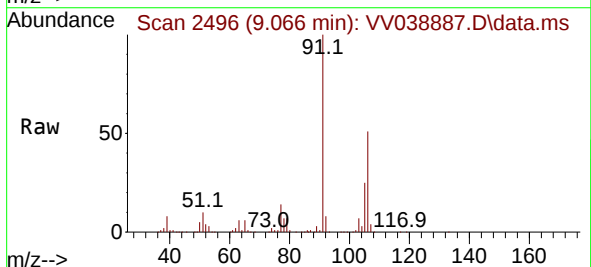
Acq: 11 Jul 2025 14:38

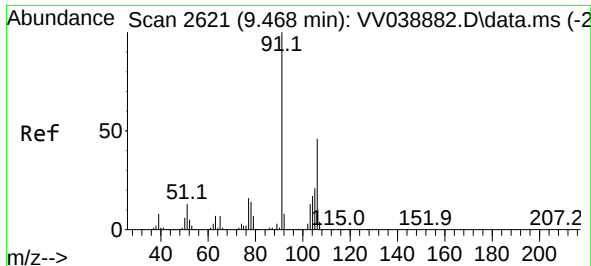
Tgt Ion: 106 Resp: 174808

Ion Ratio Lower Upper

106 100

91 200.4 161.0 241.6

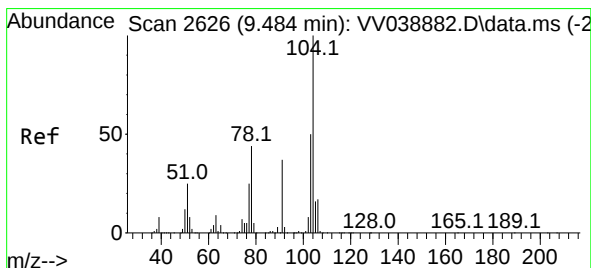
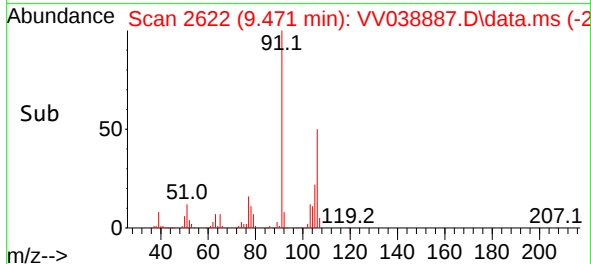
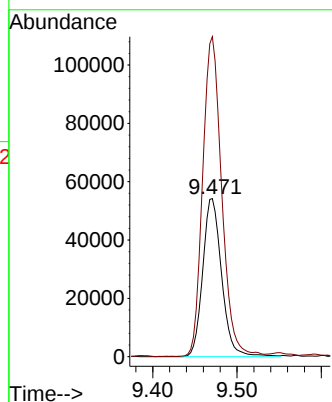
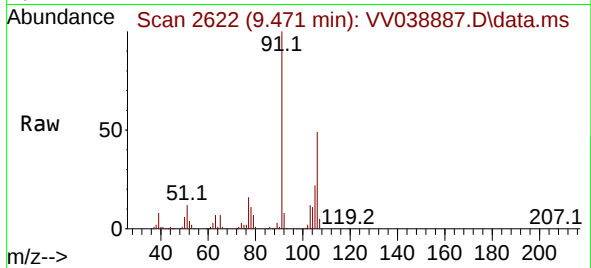




#69  
o-Xylene  
Concen: 10.547 ug/l  
RT: 9.471 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

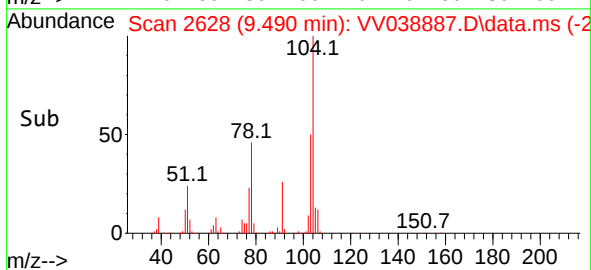
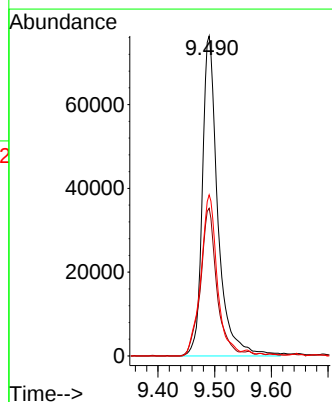
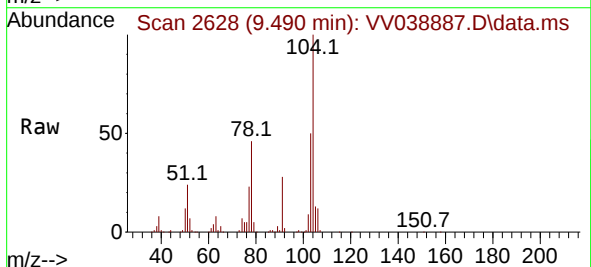
Instrument :  
MSVOA\_V  
ClientSampleId :

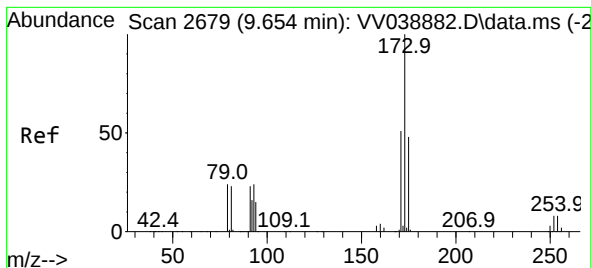
Tgt Ion:106 Resp: 84887  
Ion Ratio Lower Upper  
106 100  
91 203.4 108.9 326.6



#70  
Styrene  
Concen: 10.235 ug/l  
RT: 9.490 min Scan# 2628  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:104 Resp: 145592  
Ion Ratio Lower Upper  
104 100  
78 48.6 39.9 59.9  
103 53.2 43.4 65.2





#71

Bromoform

Concen: 10.671 ug/l

RT: 9.657 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV038887.D

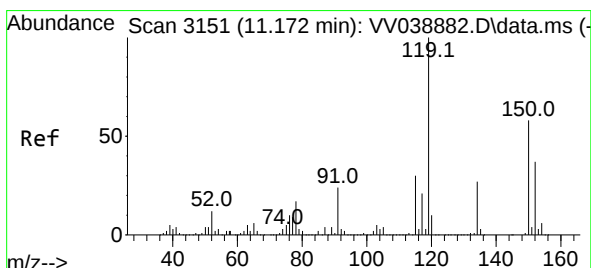
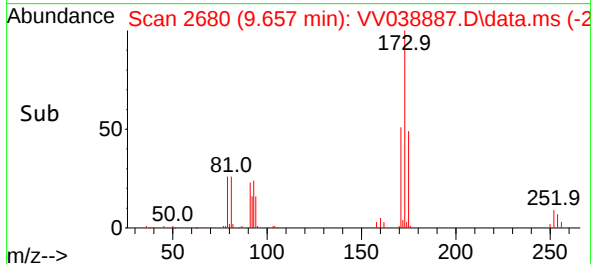
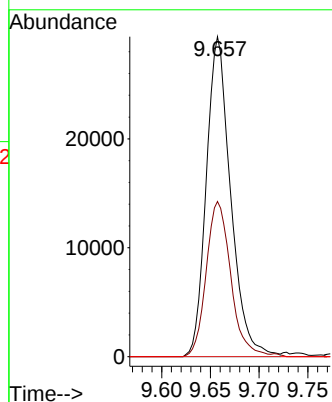
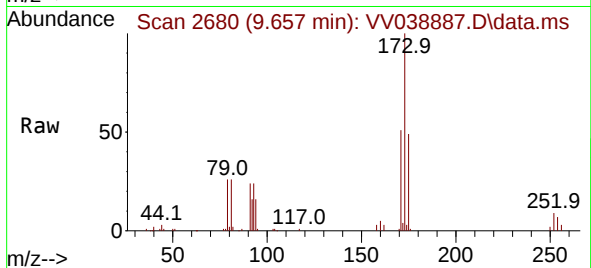
Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 51021     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 48.8  | 23.5 70.6 |
| 254         | 0.0   | 0.1 0.1#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

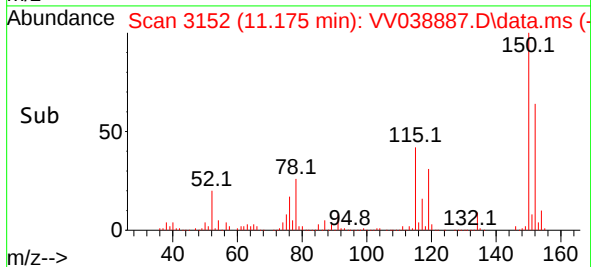
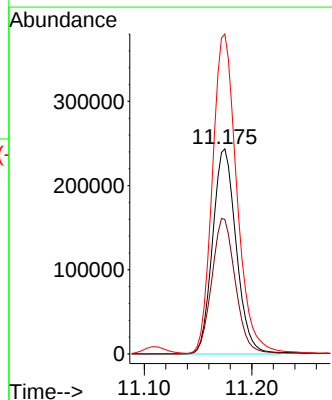
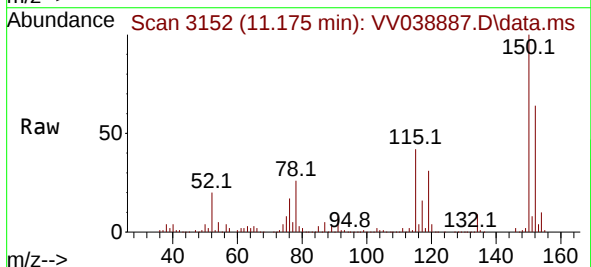
RT: 11.175 min Scan# 3152

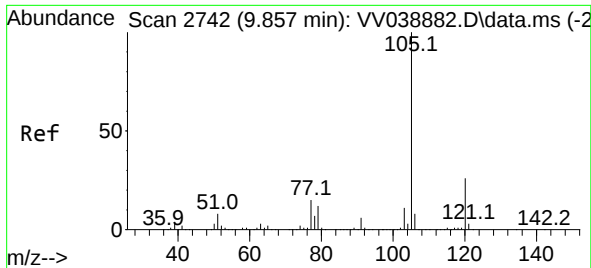
Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 371006     |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 66.3  | 41.8 125.4 |
| 150         | 162.0 | 0.0 342.4  |

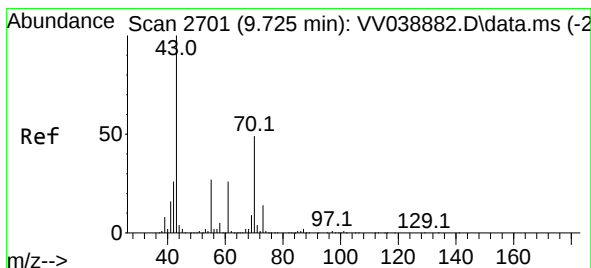
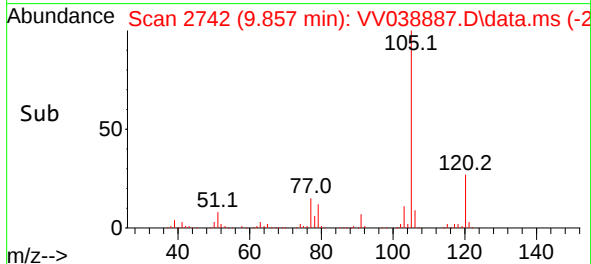
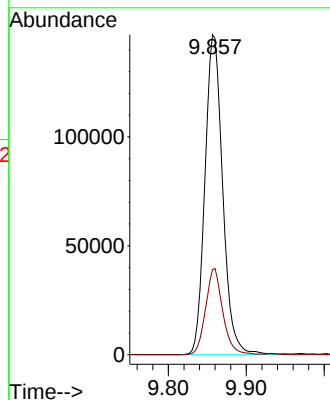
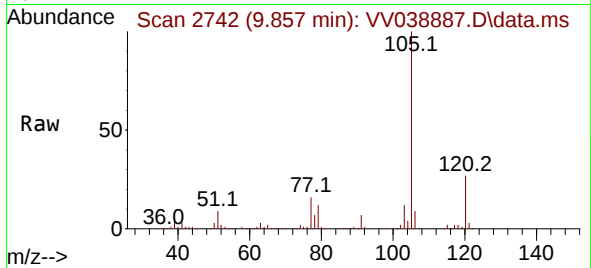




#73  
Isopropylbenzene  
Concen: 10.487 ug/l  
RT: 9.857 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

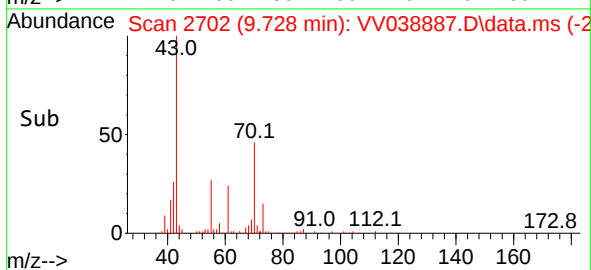
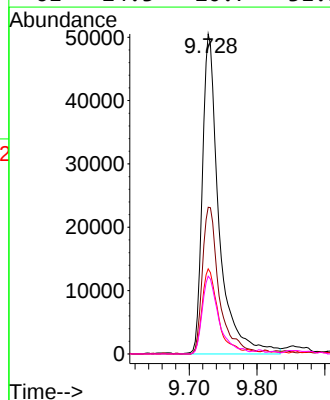
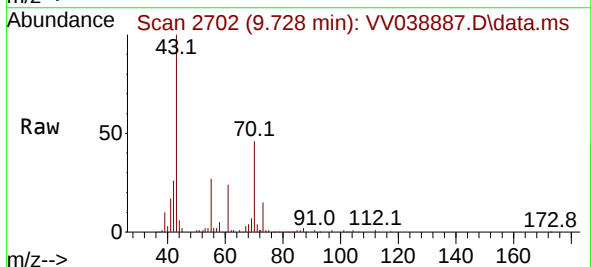
Instrument :  
MSVOA\_V  
ClientSampleId :

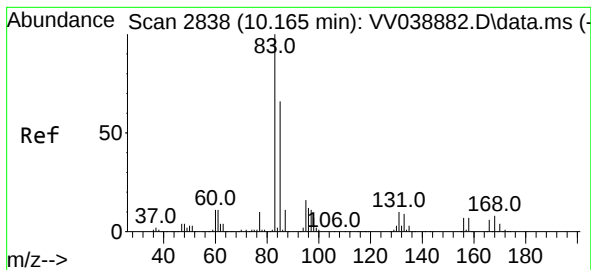
Tgt Ion:105 Resp: 232481  
Ion Ratio Lower Upper  
105 100  
120 26.0 12.9 38.7



#74  
N-ethyl acetate  
Concen: 10.643 ug/l  
RT: 9.728 min Scan# 2702  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 43 Resp: 86428  
Ion Ratio Lower Upper  
43 100  
70 46.2 38.6 58.0  
55 25.5 21.8 32.8  
61 24.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 11.330 ug/l

RT: 10.165 min Scan# 2838

Delta R.T. 0.000 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

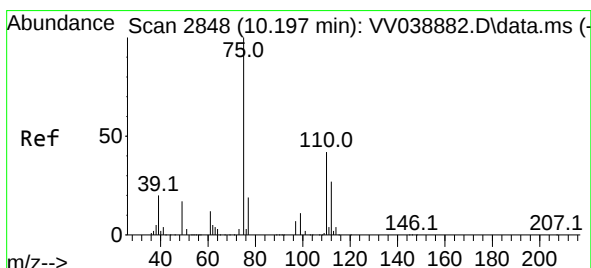
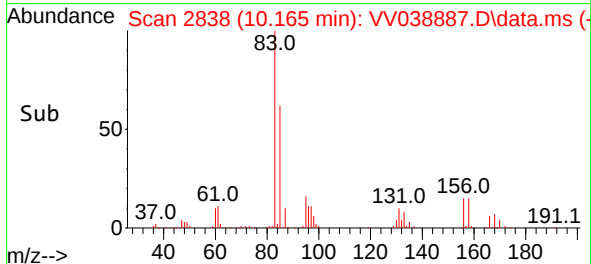
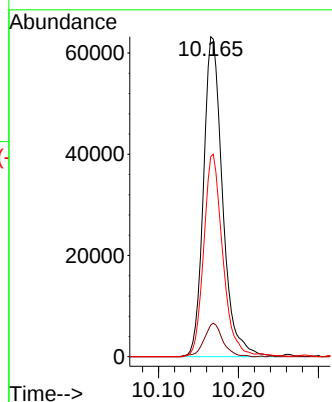
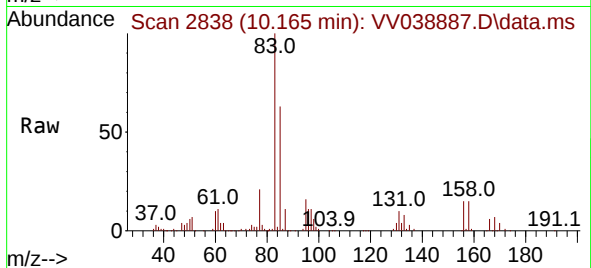
Tgt Ion: 83 Resp: 105206

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

85 62.6 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 11.358 ug/l

RT: 10.201 min Scan# 2849

Delta R.T. 0.003 min

Lab File: VV038887.D

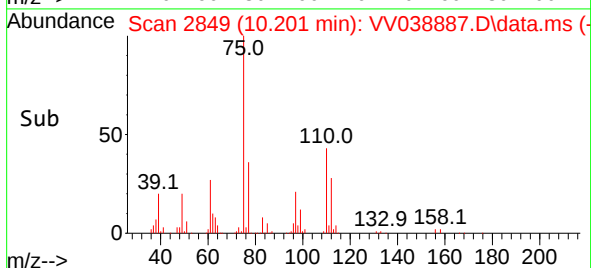
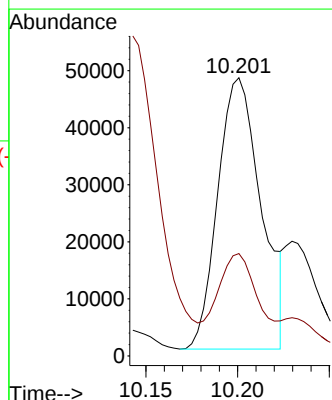
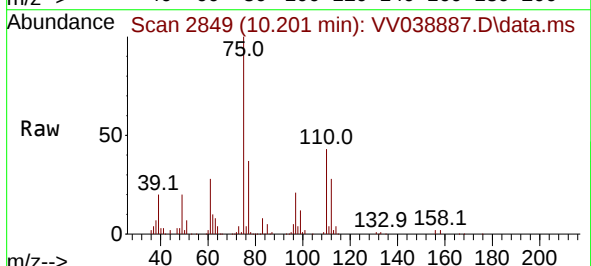
Acq: 11 Jul 2025 14:38

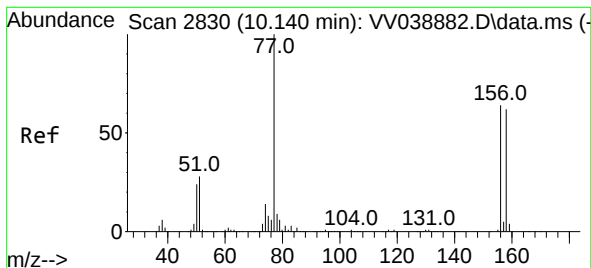
Tgt Ion: 75 Resp: 78348

Ion Ratio Lower Upper

75 100

77 21.3 17.4 52.3





#77

Bromobenzene

Concen: 10.736 ug/l

RT: 10.143 min Scan# 2831

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

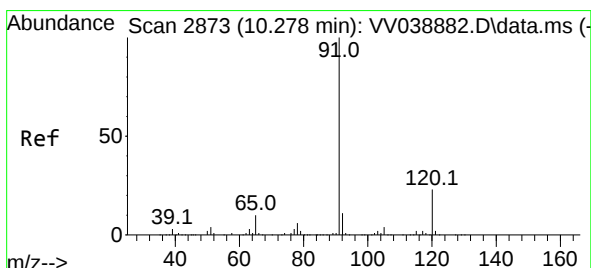
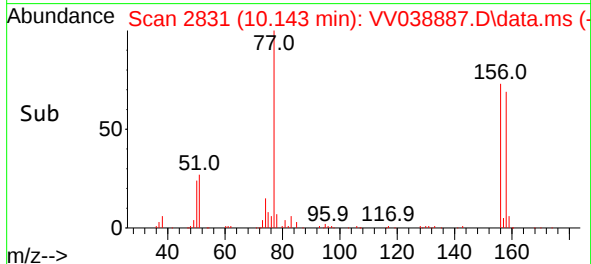
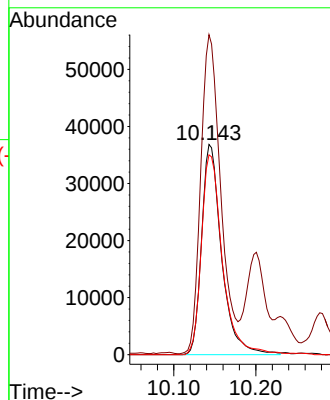
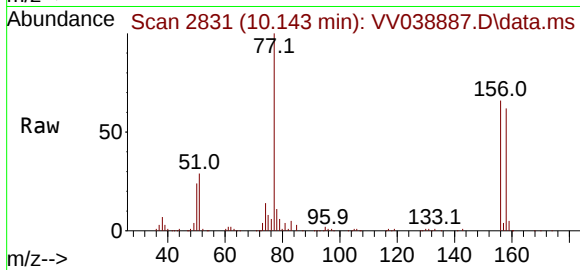
Tgt Ion:156 Resp: 62428

Ion Ratio Lower Upper

156 100

77 150.7 77.2 231.6

158 100.0 48.4 145.3



#78

n-propylbenzene

Concen: 10.488 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.000 min

Lab File: VV038887.D

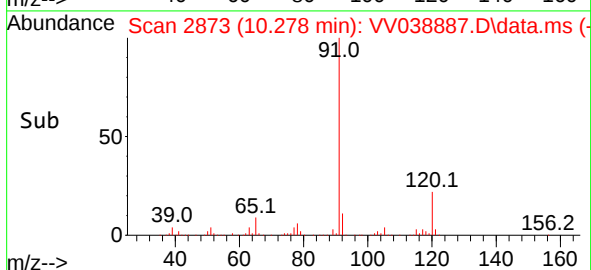
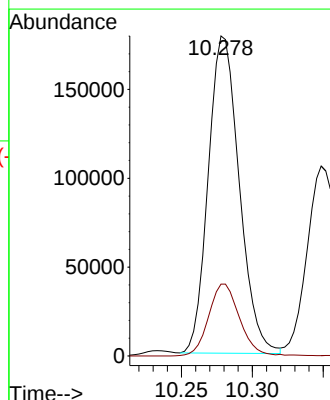
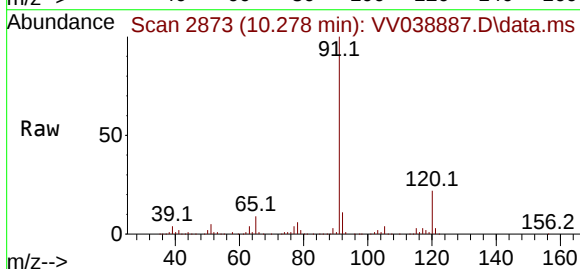
Acq: 11 Jul 2025 14:38

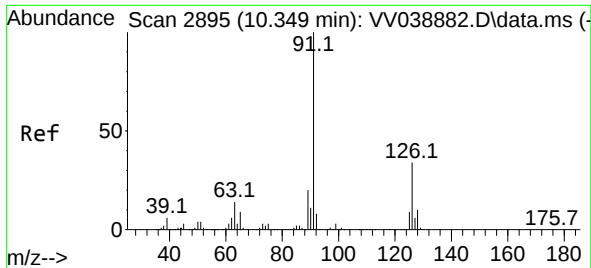
Tgt Ion: 91 Resp: 271734

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.8

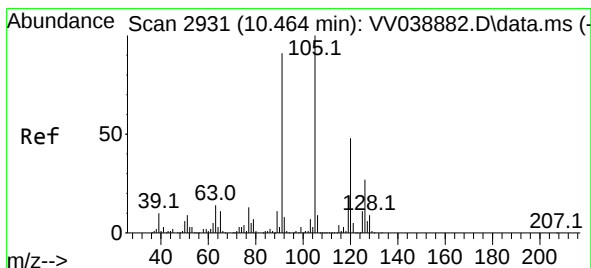
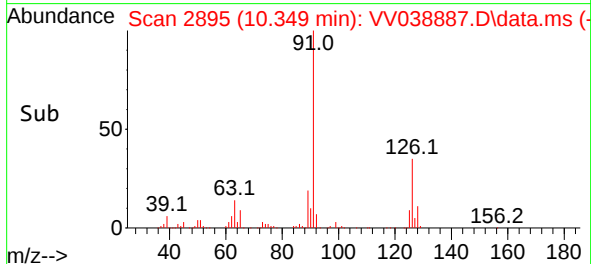
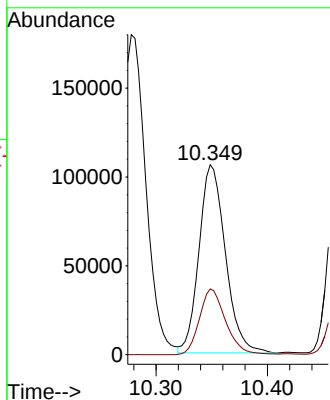
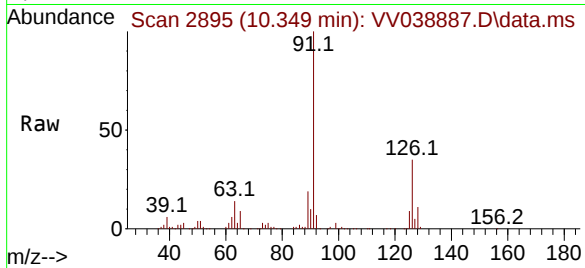




#79  
2-Chlorotoluene  
Concen: 10.587 ug/l  
RT: 10.349 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

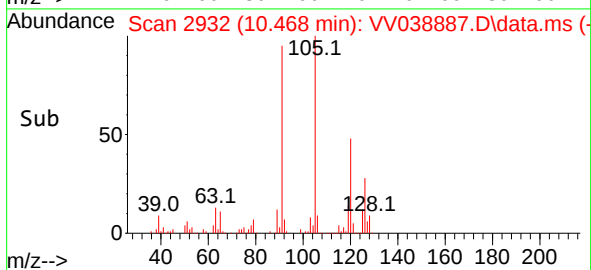
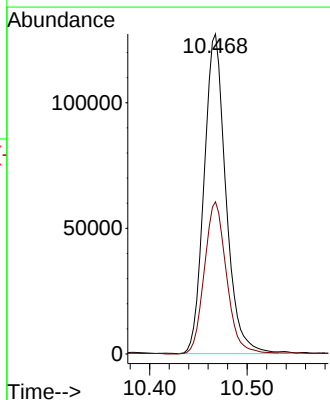
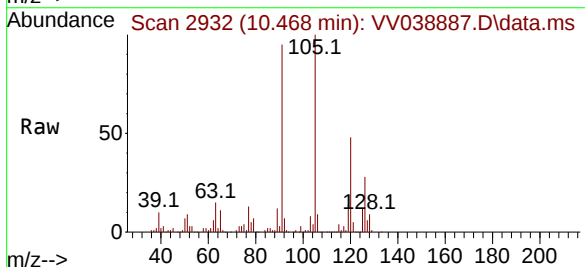
Instrument :  
MSVOA\_V  
ClientSampleId :

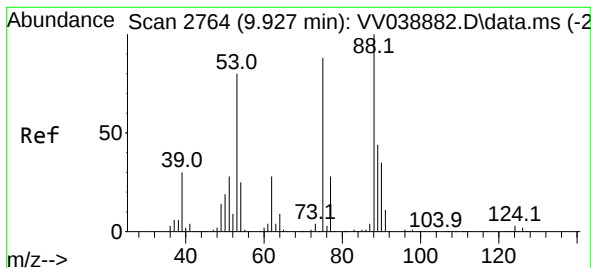
Tgt Ion: 91 Resp: 174450  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.1 51.2



#80  
1,3,5-Trimethylbenzene  
Concen: 10.571 ug/l  
RT: 10.468 min Scan# 2932  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:105 Resp: 197610  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 10.524 ug/l

RT: 9.934 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

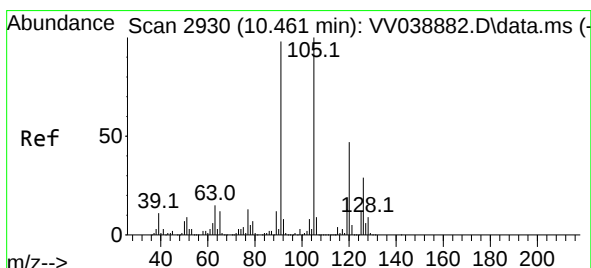
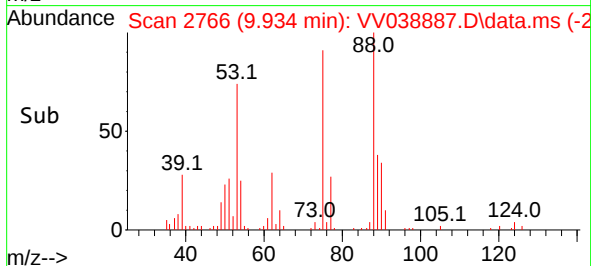
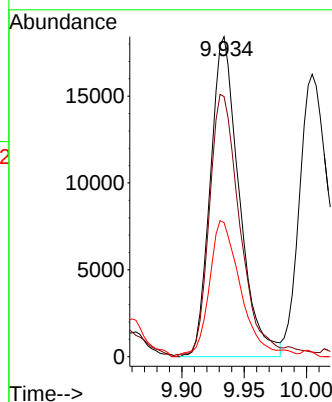
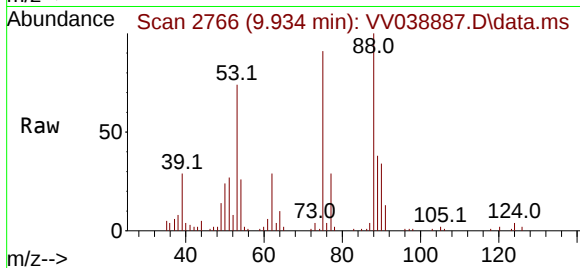
Tgt Ion: 75 Resp: 29748

Ion Ratio Lower Upper

75 100

53 86.6 71.3 106.9

89 46.3 42.2 63.2



#82

4-Chlorotoluene

Concen: 10.612 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. 0.003 min

Lab File: VV038887.D

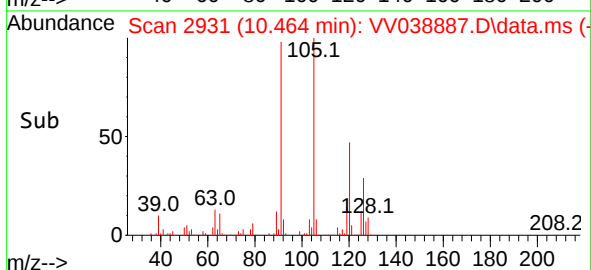
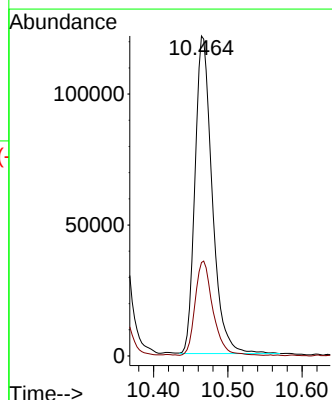
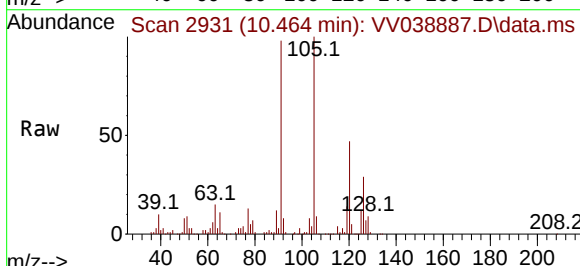
Acq: 11 Jul 2025 14:38

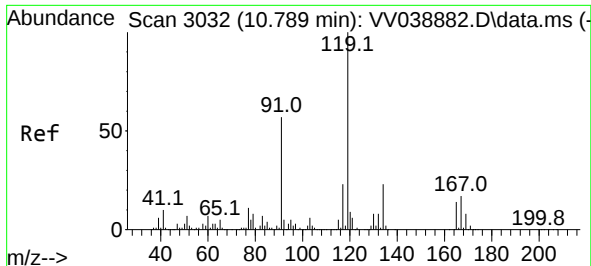
Tgt Ion: 91 Resp: 195456

Ion Ratio Lower Upper

91 100

126 30.6 14.9 44.9

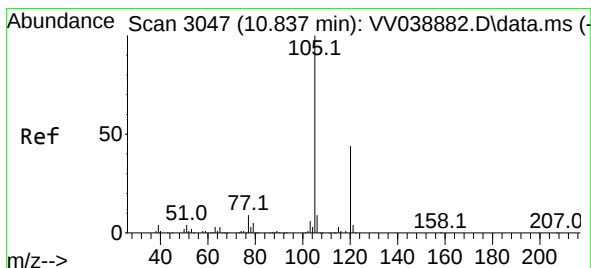
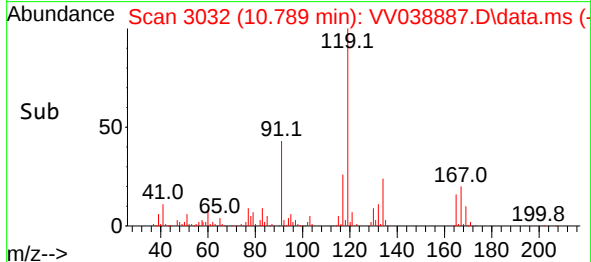
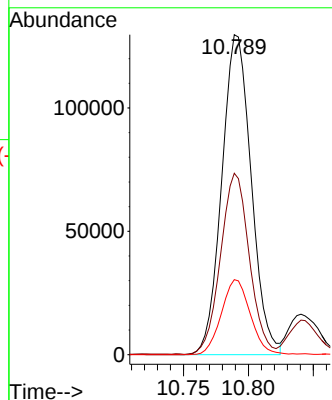
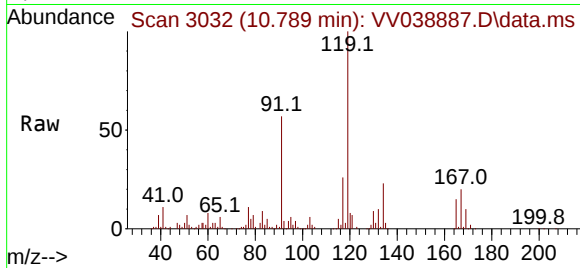




#83  
tert-Butylbenzene  
Concen: 10.443 ug/l  
RT: 10.789 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

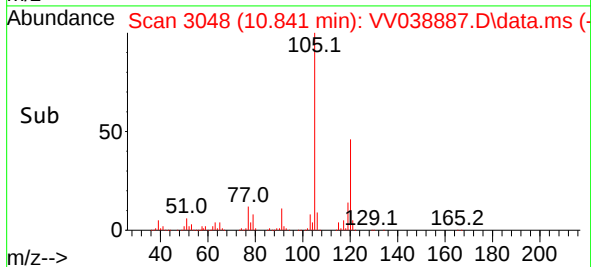
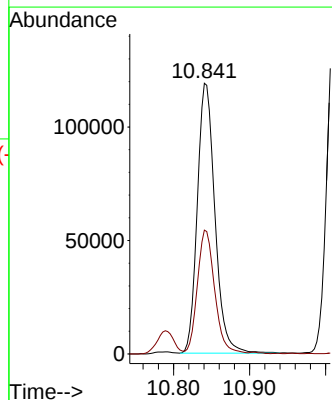
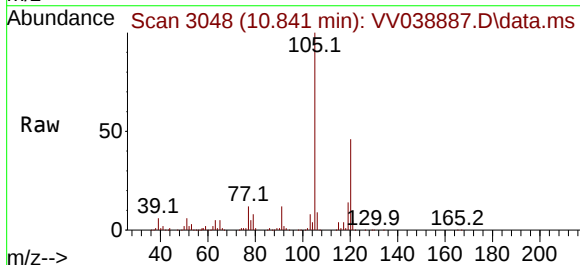
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:119 Resp: 204673  
Ion Ratio Lower Upper  
119 100  
91 55.2 28.1 84.2  
134 23.0 11.4 34.1



#84  
1,2,4-Trimethylbenzene  
Concen: 10.383 ug/l  
RT: 10.841 min Scan# 3048  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:105 Resp: 190985  
Ion Ratio Lower Upper  
105 100  
120 44.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 10.424 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

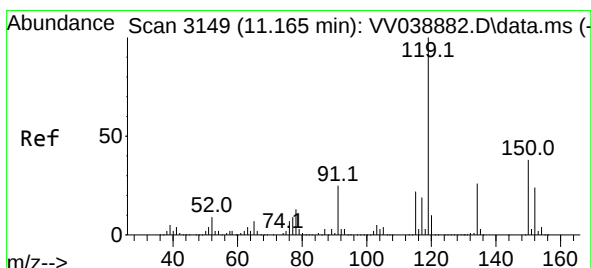
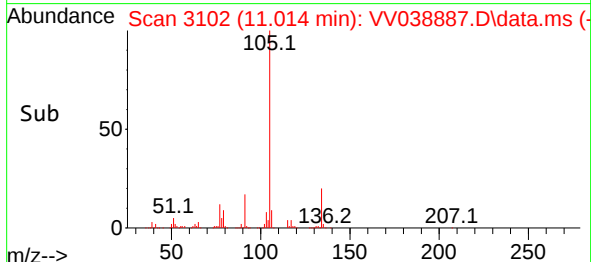
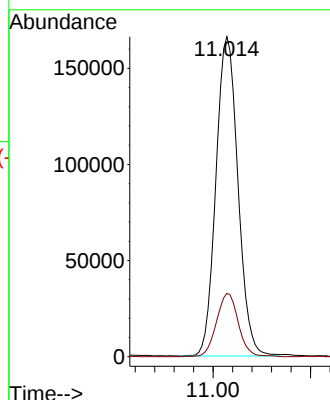
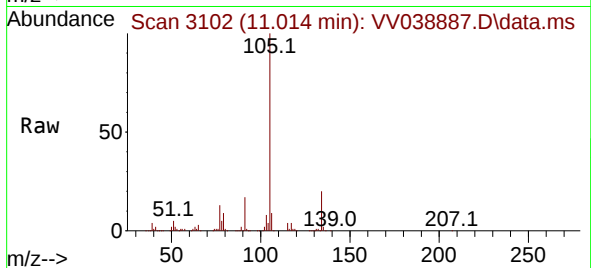
ClientSampleId :

Tgt Ion:105 Resp: 260761

Ion Ratio Lower Upper

105 100

134 19.7 9.9 29.7



#86

p-Isopropyltoluene

Concen: 10.312 ug/l

RT: 11.168 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

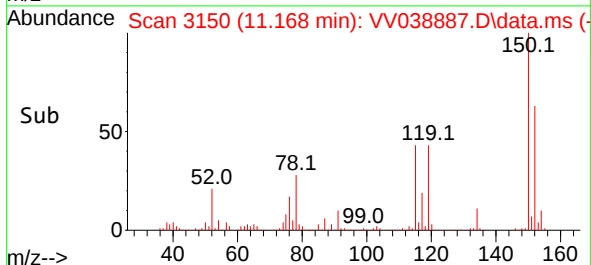
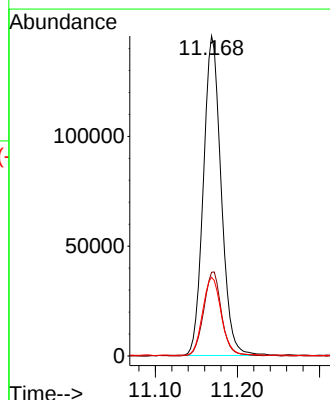
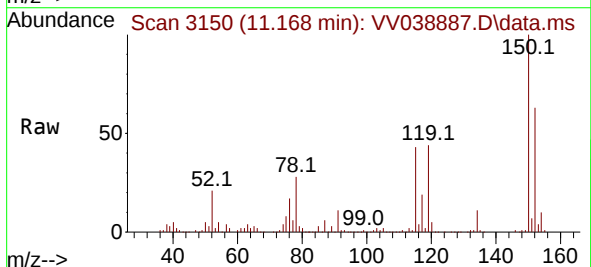
Tgt Ion:119 Resp: 219003

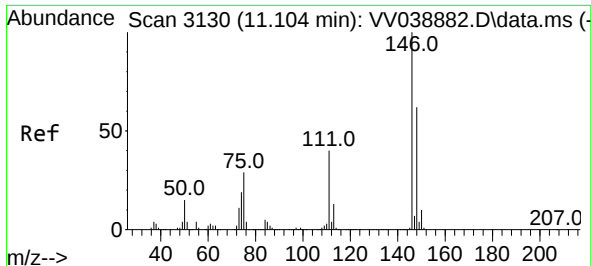
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 25.8 12.3 36.8

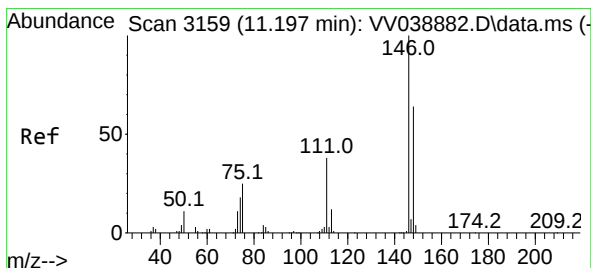
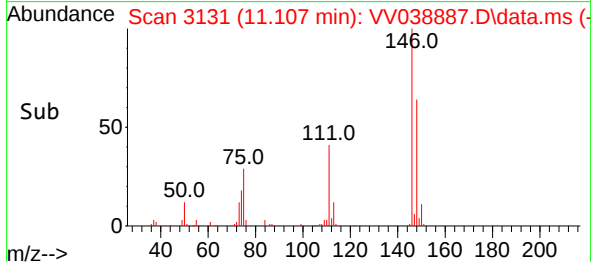
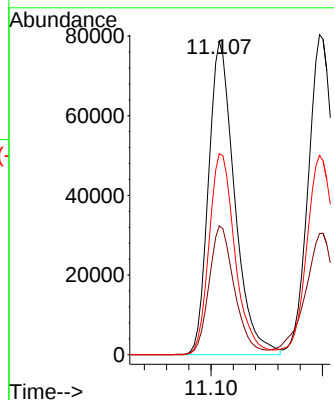
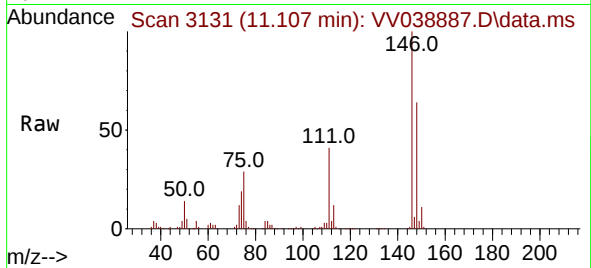




#87  
1,3-Dichlorobenzene  
Concen: 10.784 ug/l  
RT: 11.107 min Scan# 3131  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

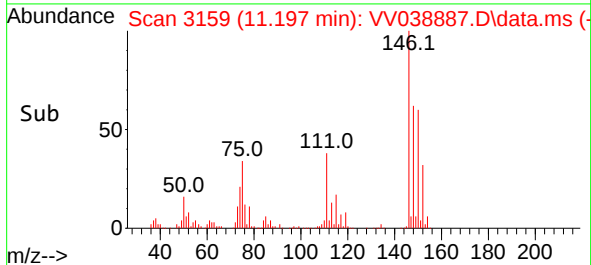
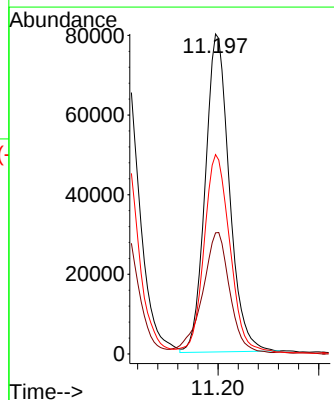
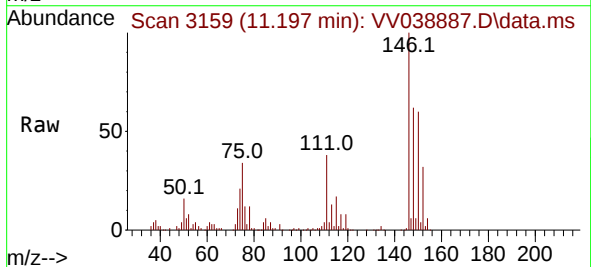
Instrument :  
MSVOA\_V  
ClientSampleId :

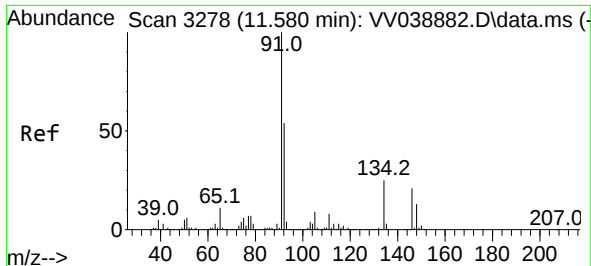
Tgt Ion:146 Resp: 128005  
Ion Ratio Lower Upper  
146 100  
111 40.2 20.2 60.5  
148 64.0 31.4 94.3



#88  
1,4-Dichlorobenzene  
Concen: 10.296 ug/l  
RT: 11.197 min Scan# 3159  
Delta R.T. 0.000 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:146 Resp: 132944  
Ion Ratio Lower Upper  
146 100  
111 42.8 19.8 59.3  
148 68.1 32.1 96.5





#89

n-Butylbenzene

Concen: 9.905 ug/l

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

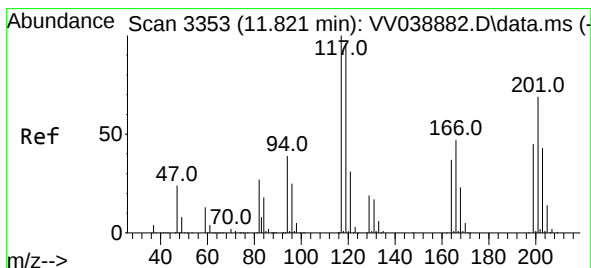
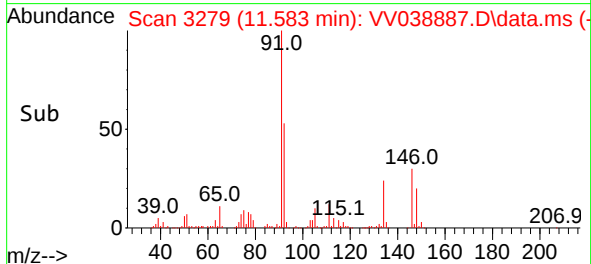
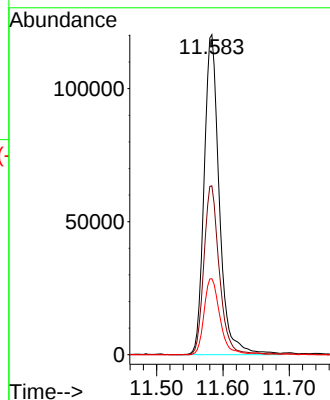
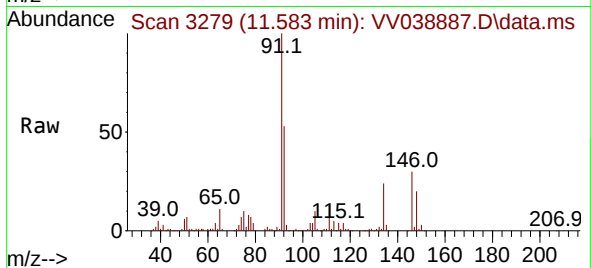
Tgt Ion: 91 Resp: 192052

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.1

134 24.5 12.7 38.1



#90

Hexachloroethane

Concen: 10.159 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. 0.000 min

Lab File: VV038887.D

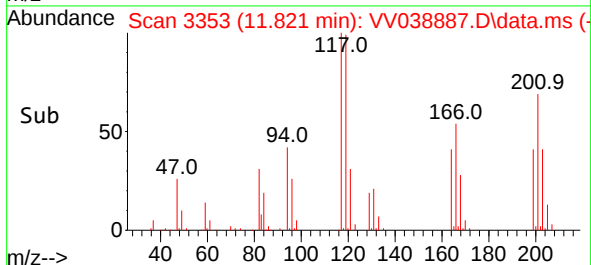
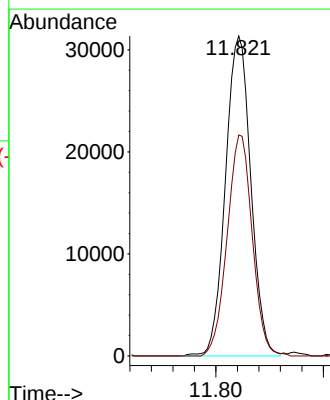
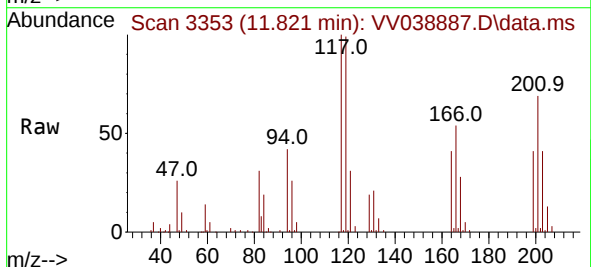
Acq: 11 Jul 2025 14:38

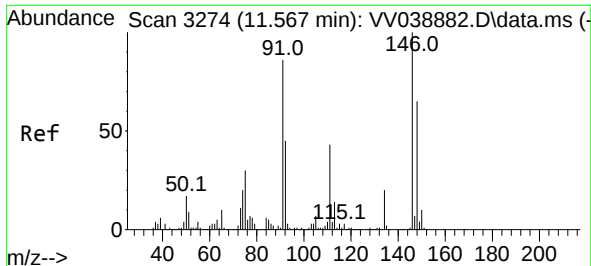
Tgt Ion:117 Resp: 51317

Ion Ratio Lower Upper

117 100

201 68.4 34.0 102.0

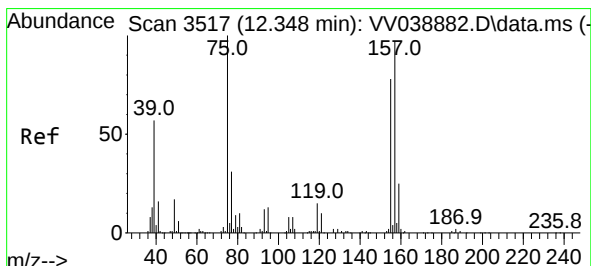
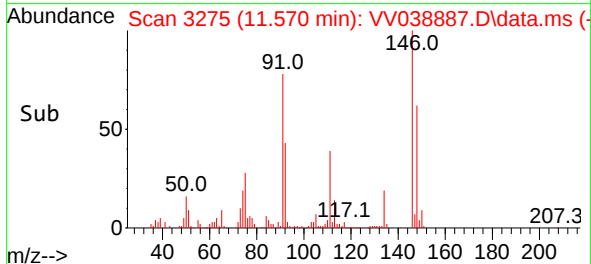
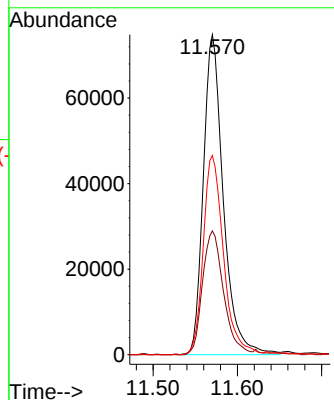
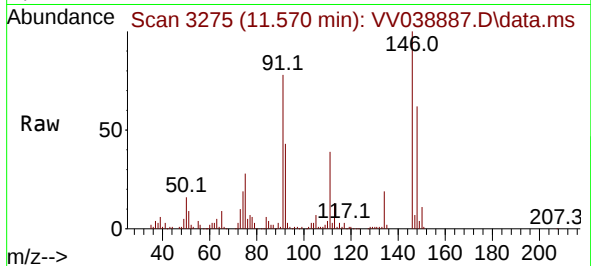




#91  
1,2-Dichlorobenzene  
Concen: 10.739 ug/l  
RT: 11.570 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

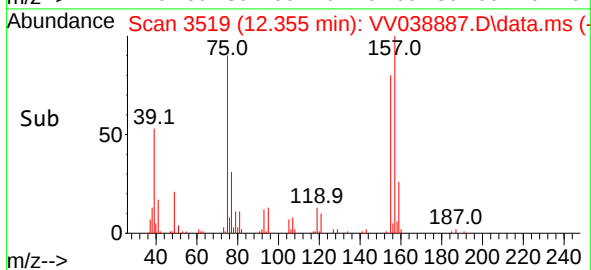
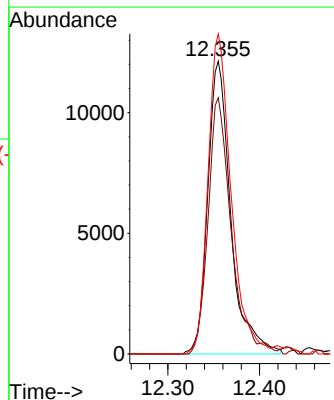
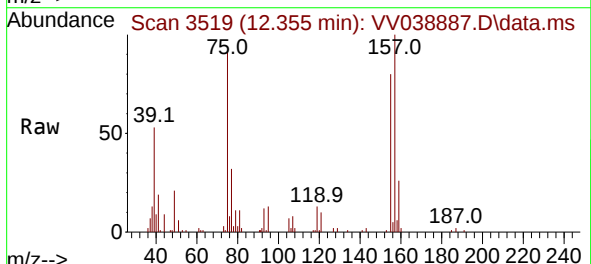
Instrument :  
MSVOA\_V  
ClientSampleId :

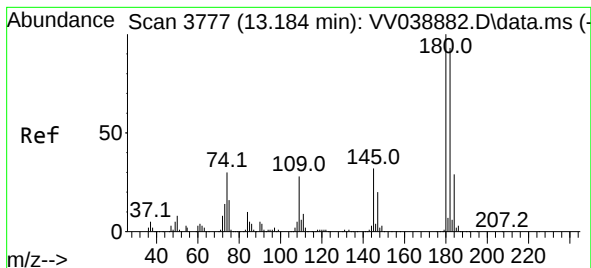
Tgt Ion:146 Resp: 123742  
Ion Ratio Lower Upper  
146 100  
111 40.7 21.4 64.3  
148 63.0 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 10.089 ug/l  
RT: 12.355 min Scan# 3519  
Delta R.T. 0.006 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion: 75 Resp: 21180  
Ion Ratio Lower Upper  
75 100  
155 85.9 40.2 120.6  
157 109.8 51.1 153.3





#93

1,2,4-Trichlorobenzene

Concen: 10.045 ug/l

RT: 13.188 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

Instrument :

MSVOA\_V

ClientSampleId :

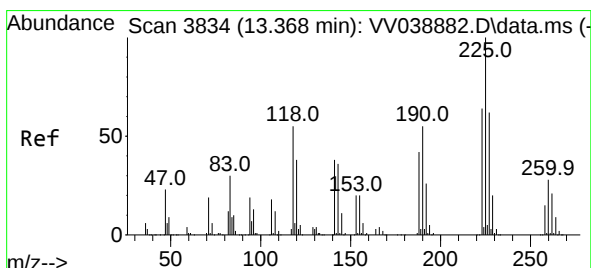
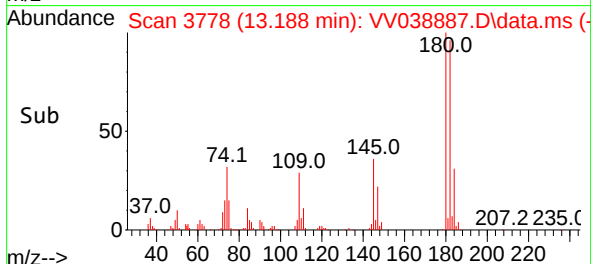
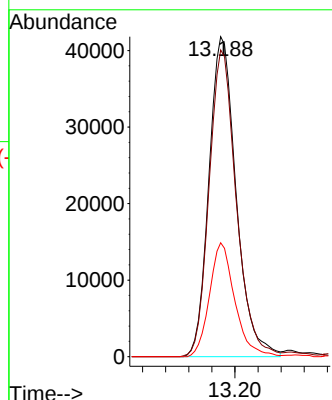
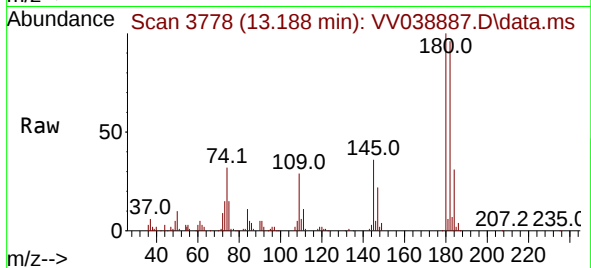
Tgt Ion:180 Resp: 68322

Ion Ratio Lower Upper

180 100

182 95.4 47.4 142.3

145 33.1 16.2 48.6



#94

Hexachlorobutadiene

Concen: 10.023 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. 0.000 min

Lab File: VV038887.D

Acq: 11 Jul 2025 14:38

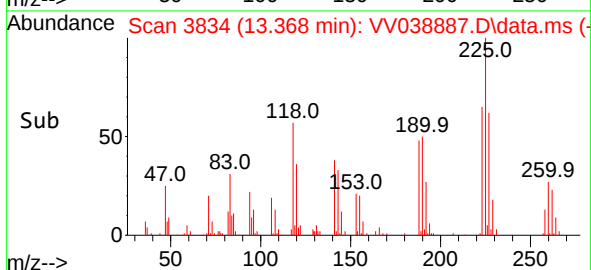
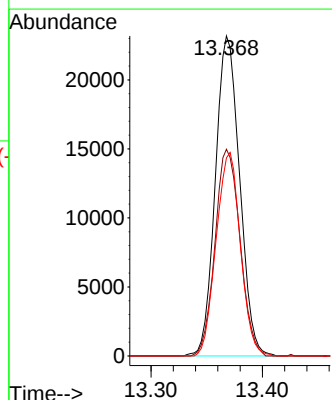
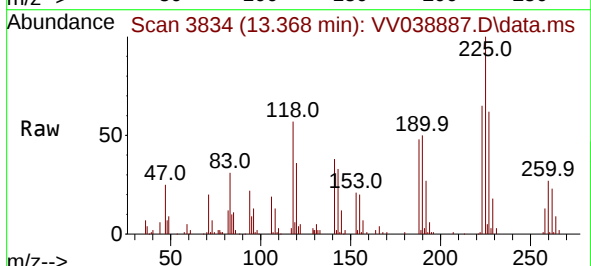
Tgt Ion:225 Resp: 35108

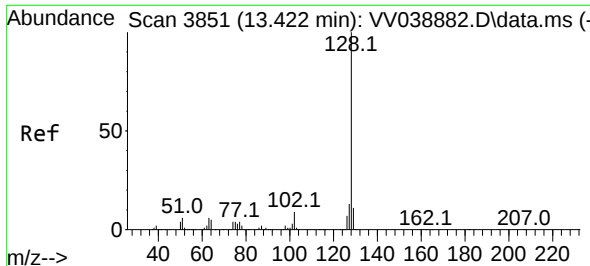
Ion Ratio Lower Upper

225 100

223 66.4 32.4 97.2

227 63.4 31.3 93.9

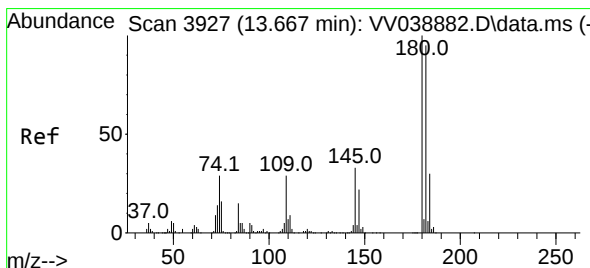
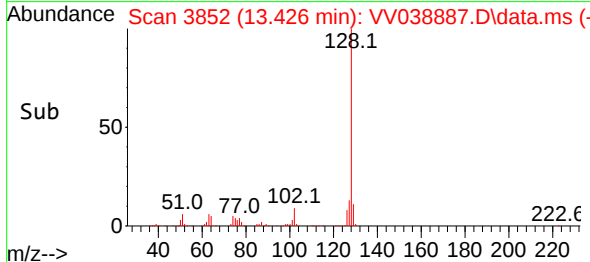
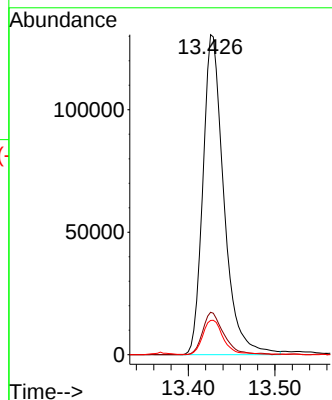
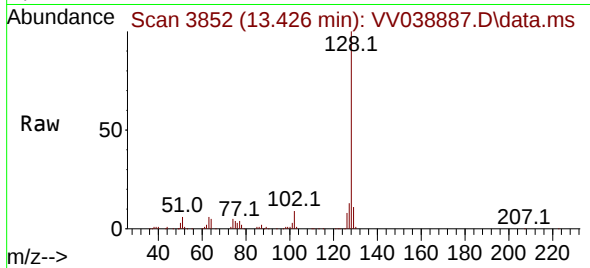




#95  
Naphthalene  
Concen: 9.777 ug/l  
RT: 13.426 min Scan# 3851  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 220060  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.5 15.7  
129 10.4 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 10.320 ug/l  
RT: 13.670 min Scan# 3928  
Delta R.T. 0.003 min  
Lab File: VV038887.D  
Acq: 11 Jul 2025 14:38

Tgt Ion:180 Resp: 72753  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.0 141.2  
145 35.3 17.0 51.0

