

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121625\  
 Data File : VN088520.D  
 Acq On : 16 Dec 2025 12:07  
 Operator : JC\MD  
 Sample : VN1216WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS02

Quant Time: Dec 17 01:38:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.200  | 168  | 415959   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.076  | 114  | 731821   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 655406   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.764 | 152  | 326382   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 409821   | 52.301   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 104.600% |      |
| 35) Dibromofluoromethane    | 8.147  | 113   | 282378   | 55.680   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 111.360% |      |
| 50) Toluene-d8              | 10.541 | 98    | 1049973  | 55.643   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 111.280% |      |
| 62) 4-Bromofluorobenzene    | 12.823 | 95    | 362040   | 55.917   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 111.840% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 109528  | 17.531  | ug/l   | 98  |
| 3) Chloromethane             | 2.383 | 50  | 122744  | 18.292  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.542 | 62  | 124640  | 18.258  | ug/l   | 98  |
| 5) Bromomethane              | 2.989 | 94  | 63268   | 19.256  | ug/l   | 99  |
| 6) Chloroethane              | 3.142 | 64  | 79985   | 18.934  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.518 | 101 | 181770  | 18.945  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.965 | 74  | 72041   | 20.005  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 100242  | 19.626  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.583 | 142 | 91643   | 18.124  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 5.506 | 59  | 98423   | 78.673  | ug/l # | 85  |
| 12) 1,1-Dichloroethene       | 4.341 | 96  | 96082   | 18.933  | ug/l   | 94  |
| 13) Acrolein                 | 4.177 | 56  | 79628   | 66.483  | ug/l   | 97  |
| 14) Allyl chloride           | 5.018 | 41  | 161916  | 17.214  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.706 | 53  | 343041  | 95.039  | ug/l   | 98  |
| 16) Acetone                  | 4.424 | 43  | 232541  | 82.058  | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.706 | 76  | 288320  | 17.386  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.012 | 43  | 165179  | 19.582  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.783 | 73  | 378412  | 19.903  | ug/l   | 99  |
| 20) Methylene Chloride       | 5.265 | 84  | 119007  | 19.628  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.771 | 96  | 105782  | 18.817  | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.653 | 45  | 395991  | 19.719  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.583 | 43  | 1708603 | 105.605 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.547 | 63  | 223289  | 19.635  | ug/l   | 99  |
| 25) 2-Butanone               | 7.465 | 43  | 410238  | 90.048  | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 197953  | 20.166  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 7.471 | 96  | 125844  | 19.262  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.794 | 49  | 116307  | 20.531  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 7.818 | 42  | 303118  | 92.762  | ug/l   | 99  |
| 30) Chloroform               | 7.947 | 83  | 226715  | 20.289  | ug/l   | 96  |
| 31) Cyclohexane              | 8.235 | 56  | 193116  | 18.739  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 8.147 | 97  | 194446  | 19.791  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.347 | 75  | 151307  | 19.332  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.541 | 43  | 187737  | 18.242  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.341 | 117 | 162598  | 20.868  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.576 | 83  | 157313  | 18.790  | ug/l   | 92  |
| 40) Benzene                  | 8.582 | 78  | 467334  | 20.344  | ug/l   | 99  |

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 Sample : VN1216WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS02

Quant Time: Dec 17 01:38:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 25 01:34:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 99061    | 19.434  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.647  | 62   | 182614   | 20.836  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 296897   | 18.882  | ug/l   | 97       |
| 44) Trichloroethene           | 9.329  | 130  | 107442   | 19.794  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 120231   | 20.428  | ug/l # | 89       |
| 46) Dibromomethane            | 9.682  | 93   | 87769    | 20.896  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.865  | 83   | 176988   | 20.651  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.659  | 41   | 135738   | 18.920  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.676  | 88   | 31636    | 346.735 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 932067   | 100.565 | ug/l   | 97       |
| 52) Toluene                   | 10.606 | 92   | 283901   | 21.403  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 177021   | 20.123  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 193777   | 20.946  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 112632   | 21.947  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 169563   | 20.917  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 197796   | 21.364  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.135 | 63   | 528922   | 113.172 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 566752   | 97.070  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.335 | 129  | 128700   | 21.998  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 107408   | 20.668  | ug/l   | 95       |
| 64) Tetrachloroethene         | 11.076 | 164  | 97382    | 18.742  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.865 | 112  | 301422   | 20.475  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 108311   | 21.814  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 514637   | 20.001  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 392342   | 41.126  | ug/l   | 98       |
| 69) o-Xylene                  | 12.370 | 106  | 182027   | 20.014  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 306682   | 20.767  | ug/l   | 99       |
| 71) Bromoform                 | 12.553 | 173  | 80040    | 22.008  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.670 | 105  | 479399   | 19.866  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.535 | 43   | 22861    | 2.782   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 164541   | 21.091  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 216646   | 28.340  | ug/l   | 66       |
| 77) Bromobenzene              | 12.959 | 156  | 114936   | 20.816  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 595343   | 20.166  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 349294   | 19.374  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 402543   | 20.130  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 53683    | 19.922  | ug/l # | 91       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 363829   | 20.318  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 326421   | 19.202  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 406014   | 20.427  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.588 | 105  | 496589   | 20.335  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 401181   | 20.034  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.706 | 146  | 218854   | 20.361  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 229061   | 20.345  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 381125   | 19.602  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 72620    | 19.851  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 207129   | 20.478  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 35121    | 18.555  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 117494   | 19.550  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 52408    | 24.267  | ug/l   | 98       |
| 95) Naphthalene               | 15.611 | 128  | 385778   | 18.524  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 114768   | 19.622  | ug/l   | 96       |

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Acq On : 16 Dec 2025 12:07  
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Sample : VN1216WBS02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

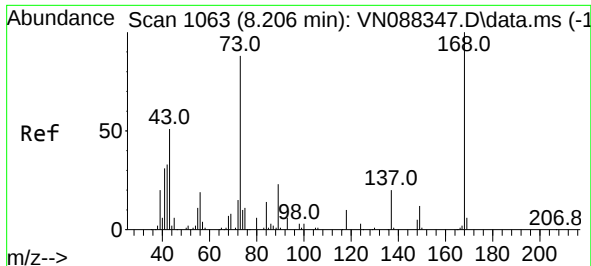
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N112425W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
Response via : Initial Calibration

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

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

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Quant Title : SW846 8260  
QLast Update : Tue Nov 25 01:34:52 2025  
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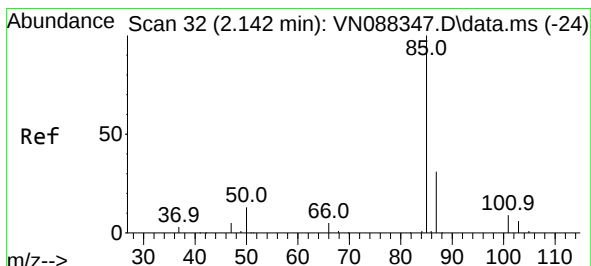
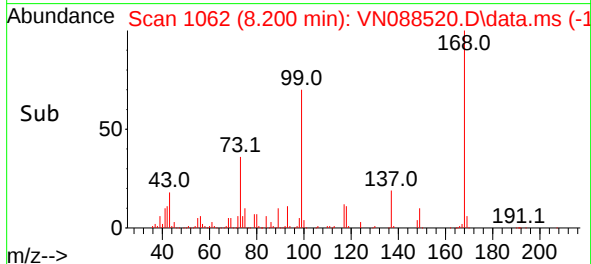
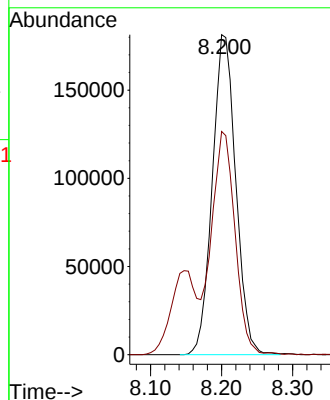
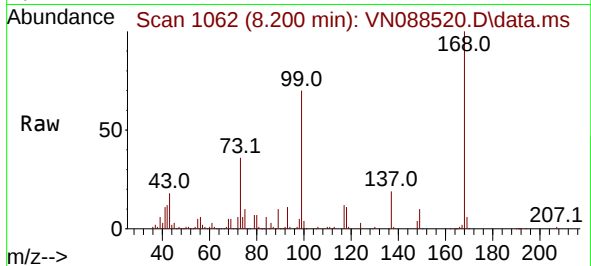




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.200 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

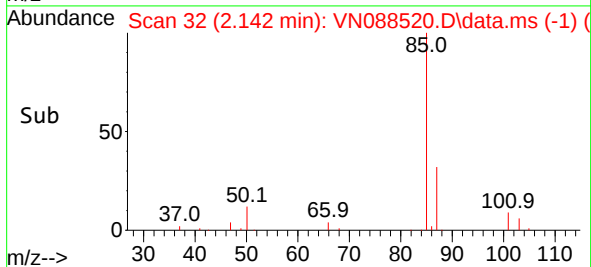
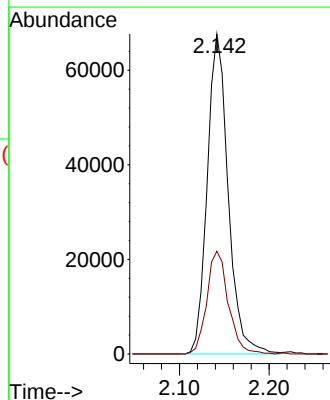
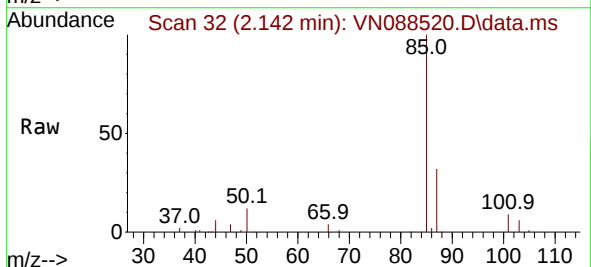
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

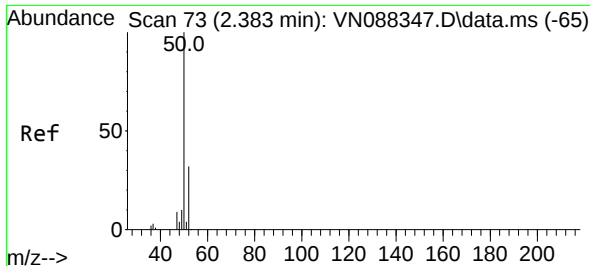
Tgt Ion:168 Resp: 415959  
Ion Ratio Lower Upper  
168 100  
99 69.5 57.1 85.7



#2  
Dichlorodifluoromethane  
Concen: 17.531 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 85 Resp: 109528  
Ion Ratio Lower Upper  
85 100  
87 32.1 15.6 46.7

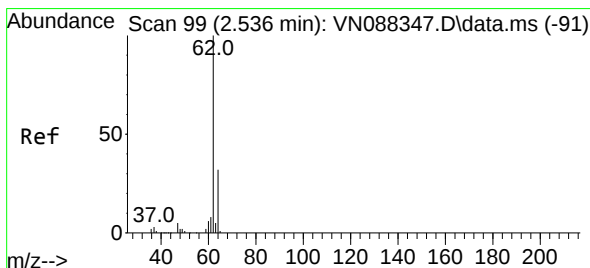
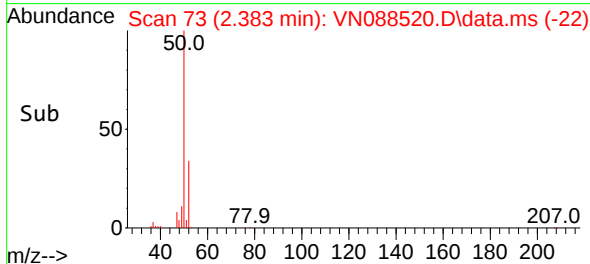
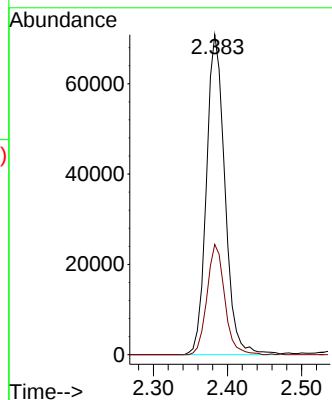
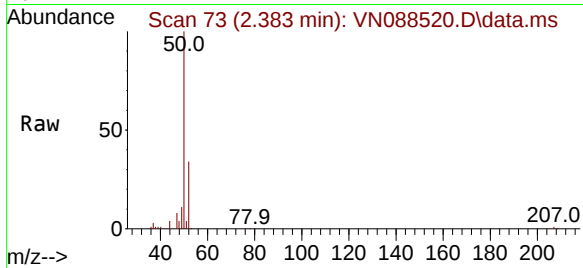




#3  
Chloromethane  
Concen: 18.292 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

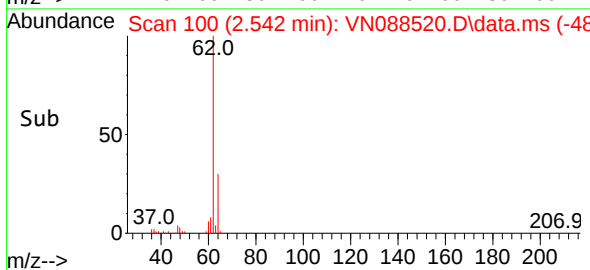
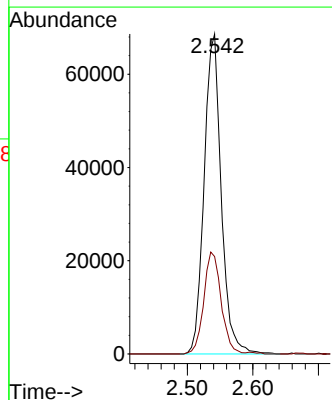
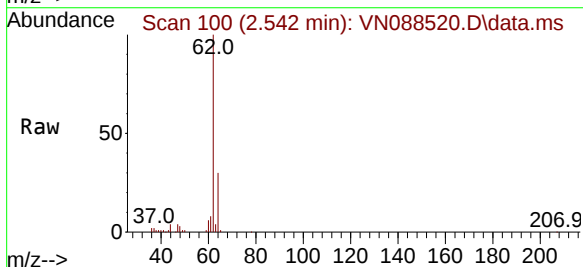
Instrument :  
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VN1216WBS02

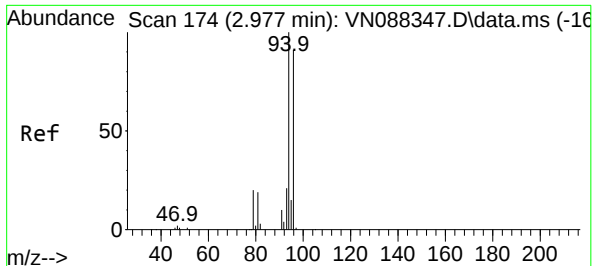
Tgt Ion: 50 Resp: 122744  
Ion Ratio Lower Upper  
50 100  
52 34.5 25.2 37.8



#4  
Vinyl Chloride  
Concen: 18.258 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. 0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 62 Resp: 124640  
Ion Ratio Lower Upper  
62 100  
64 30.5 25.4 38.2

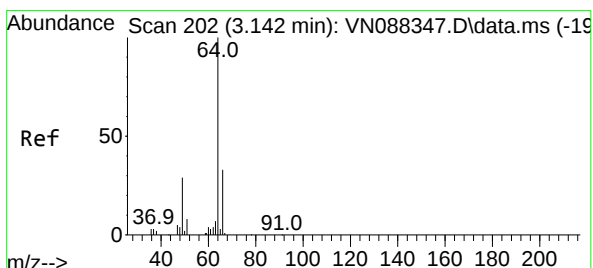
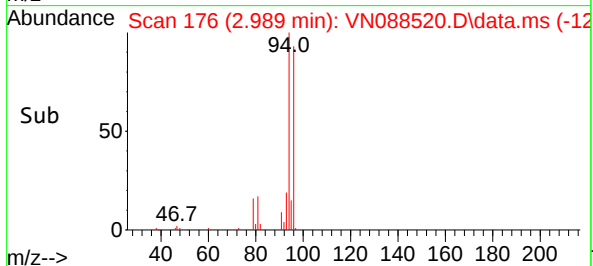
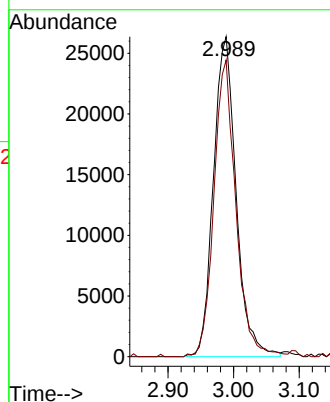
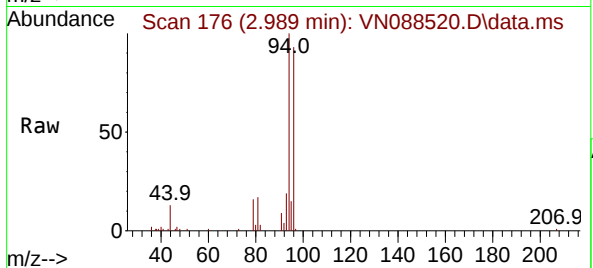




#5  
Bromomethane  
Concen: 19.256 ug/l  
RT: 2.989 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

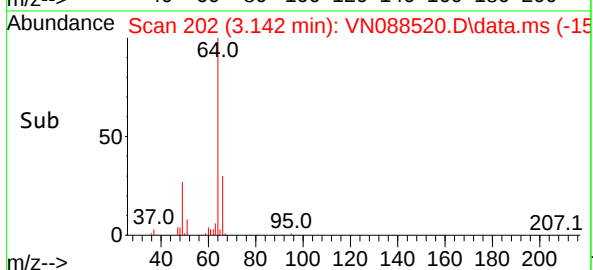
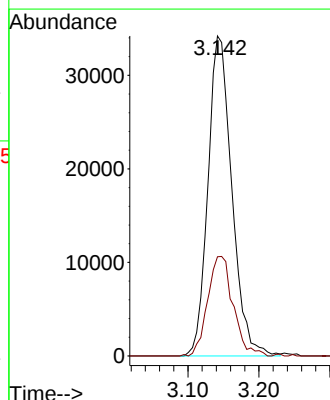
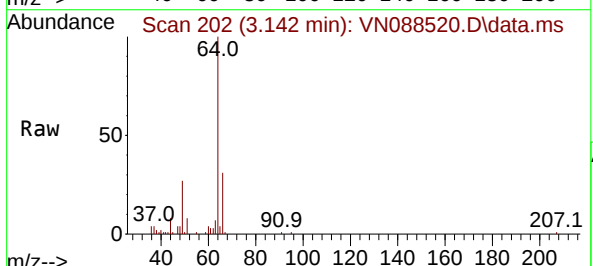
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

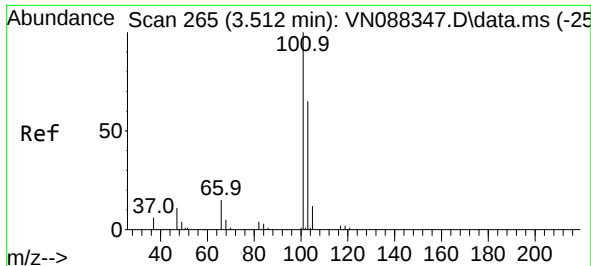
Tgt Ion: 94 Resp: 63268  
Ion Ratio Lower Upper  
94 100  
96 92.7 73.2 109.8



#6  
Chloroethane  
Concen: 18.934 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 64 Resp: 79985  
Ion Ratio Lower Upper  
64 100  
66 31.0 26.4 39.6

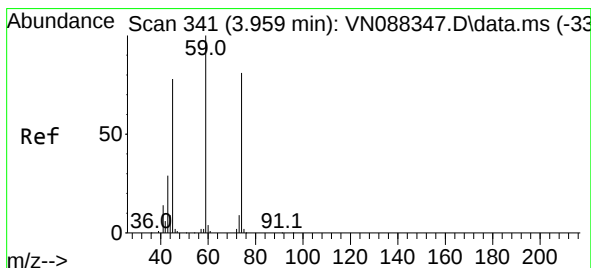
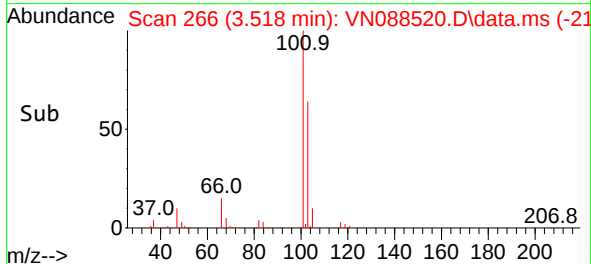
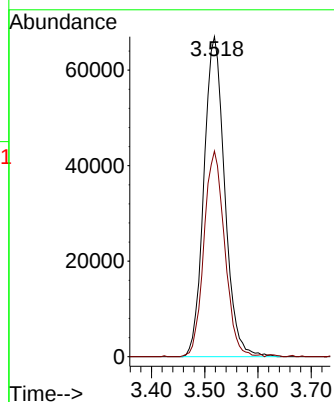
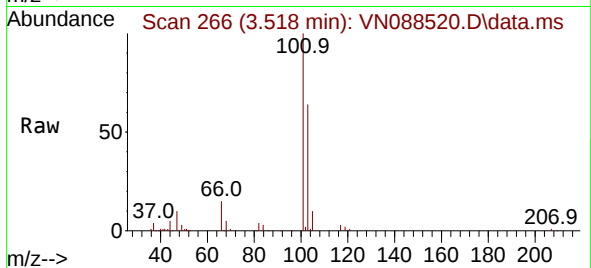




#7  
 Trichlorofluoromethane  
 Concen: 18.945 ug/l  
 RT: 3.518 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

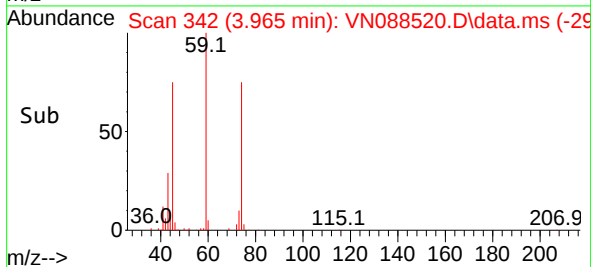
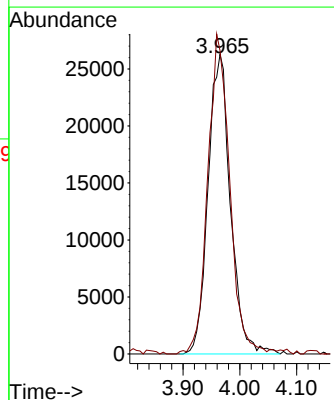
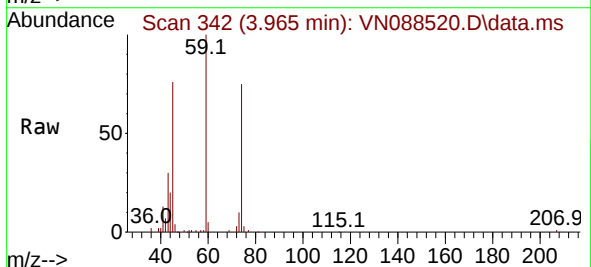
Instrument :  
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 ClientSampleId :  
 VN1216WBS02

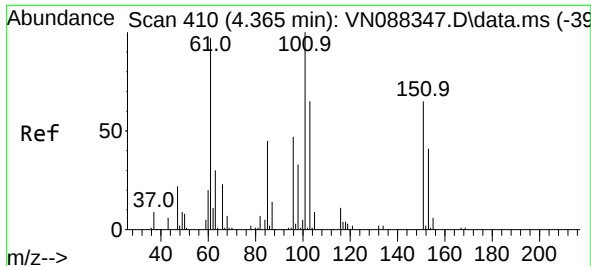
Tgt Ion:101 Resp: 181770  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 20.005 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. 0.006 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

Tgt Ion: 74 Resp: 72041  
 Ion Ratio Lower Upper  
 74 100  
 45 104.0 54.2 162.6

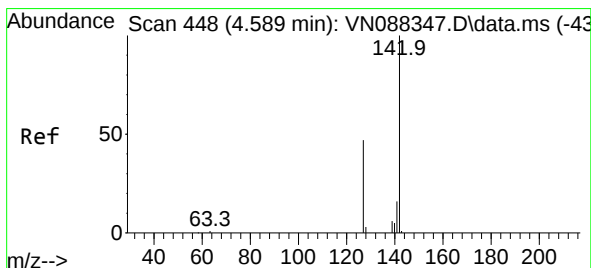
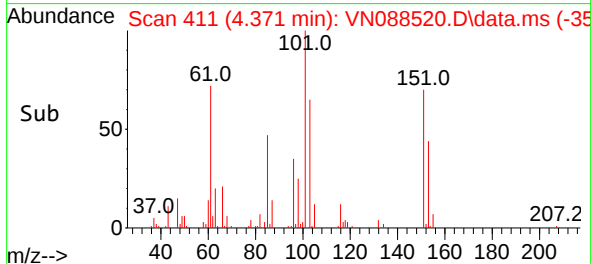
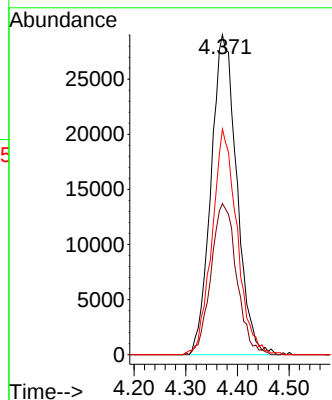
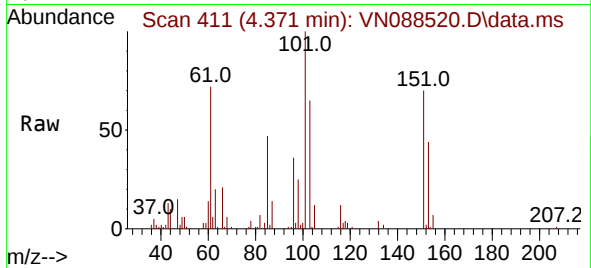




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.626 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

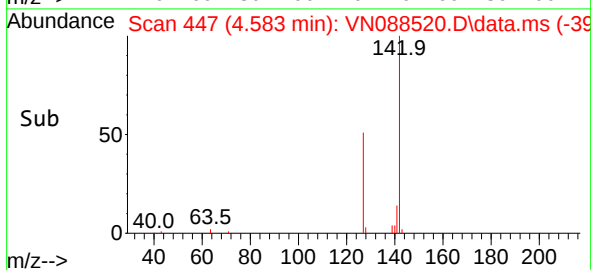
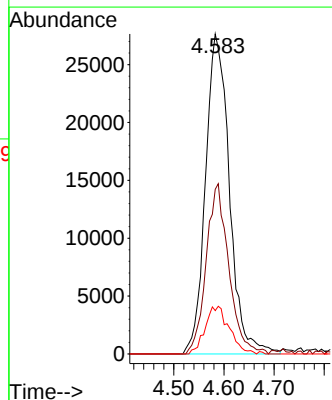
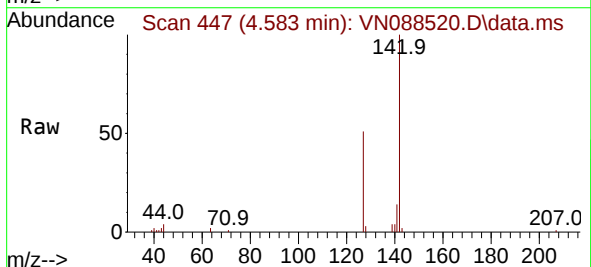
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

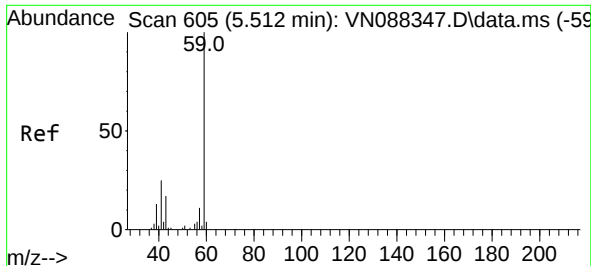
Tgt Ion:101 Resp: 100242  
Ion Ratio Lower Upper  
101 100  
85 47.2 39.2 58.8  
151 68.6 53.6 80.4



#10  
Methyl Iodide  
Concen: 18.124 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion:142 Resp: 91643  
Ion Ratio Lower Upper  
142 100  
127 51.4 37.9 56.9  
141 13.6 12.4 18.6

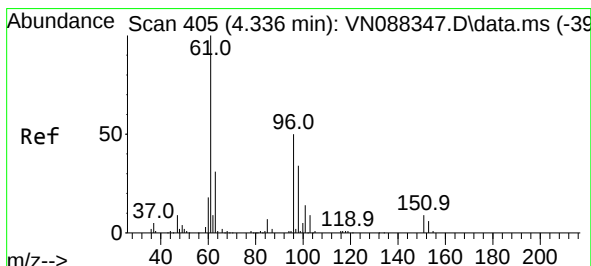
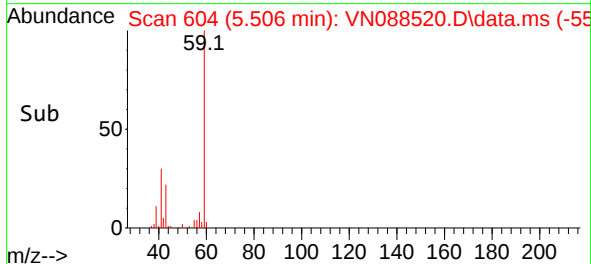
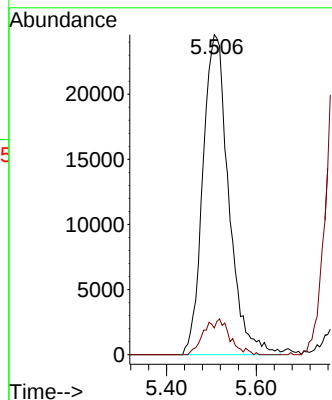
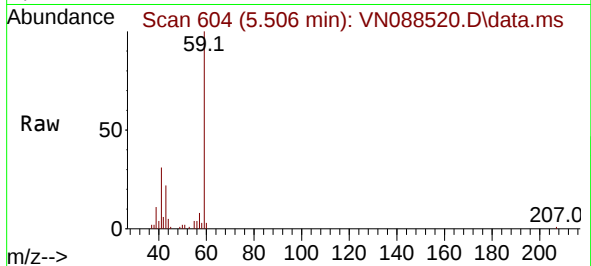




#11  
Tert butyl alcohol  
Concen: 78.673 ug/l  
RT: 5.506 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

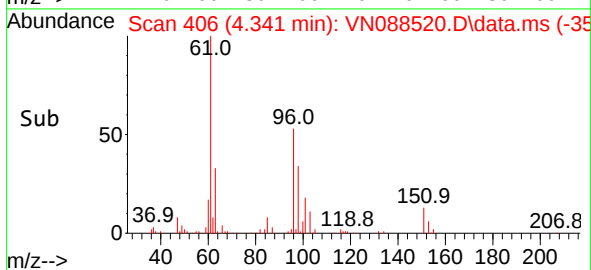
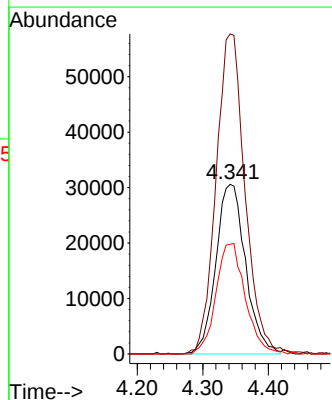
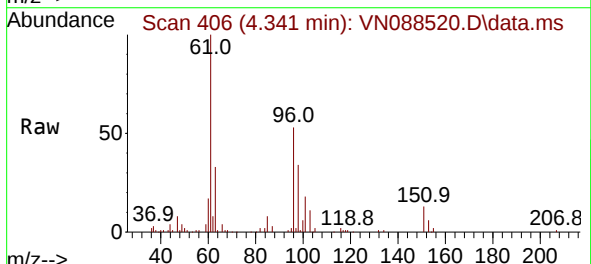
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

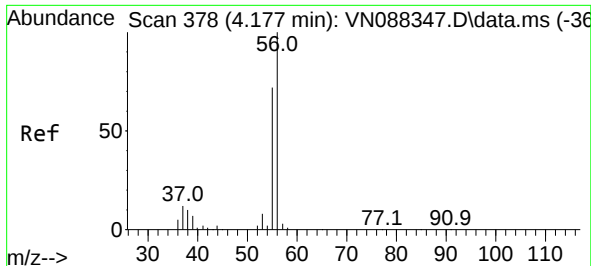
Tgt Ion: 59 Resp: 98423  
Ion Ratio Lower Upper  
59 100  
57 5.0 8.5 12.7#



#12  
1,1-Dichloroethene  
Concen: 18.933 ug/l  
RT: 4.341 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 96 Resp: 96082  
Ion Ratio Lower Upper  
96 100  
61 188.7 159.1 238.7  
98 64.7 53.7 80.5





#13

Acrolein

Concen: 66.483 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

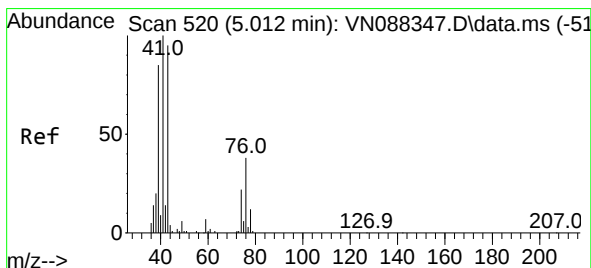
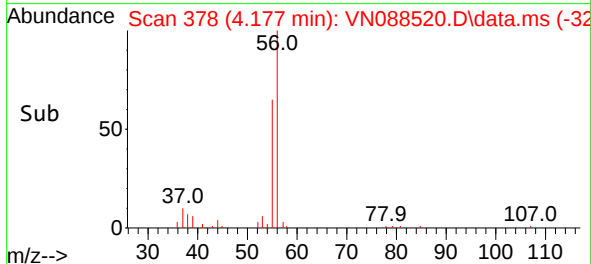
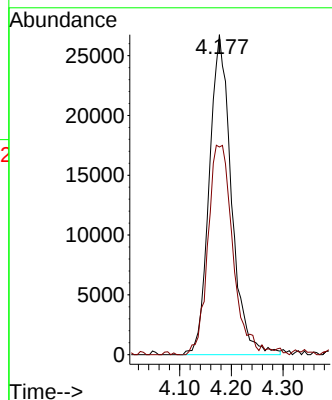
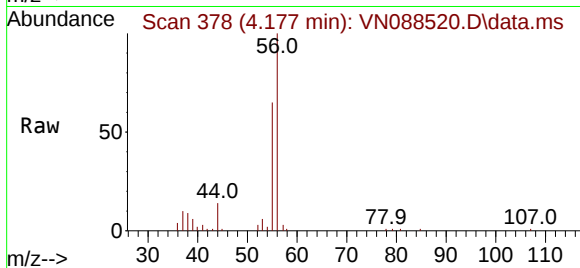
VN1216WBS02

Tgt Ion: 56 Resp: 79628

Ion Ratio Lower Upper

56 100

55 72.5 56.3 84.5



#14

Allyl chloride

Concen: 17.214 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

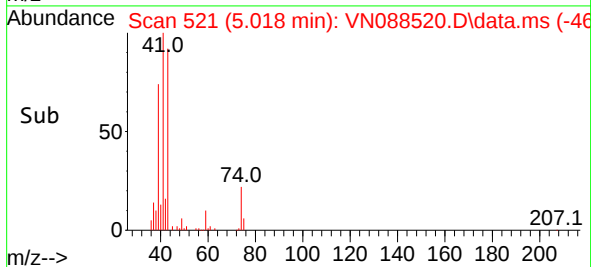
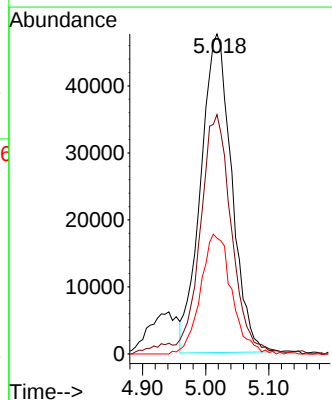
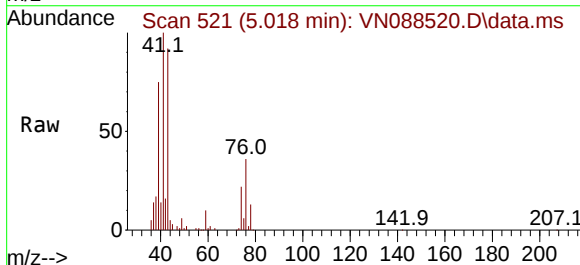
Tgt Ion: 41 Resp: 161916

Ion Ratio Lower Upper

41 100

39 77.7 64.7 97.1

76 37.8 29.1 43.7

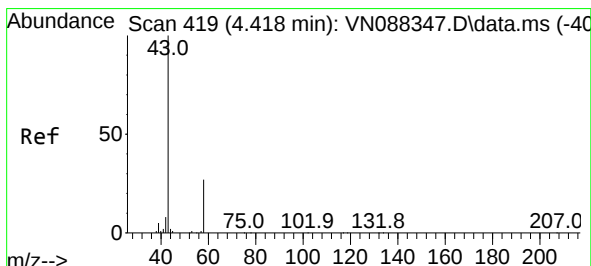
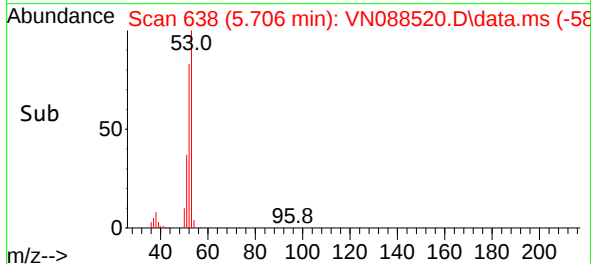
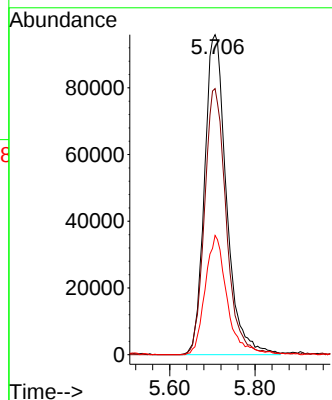
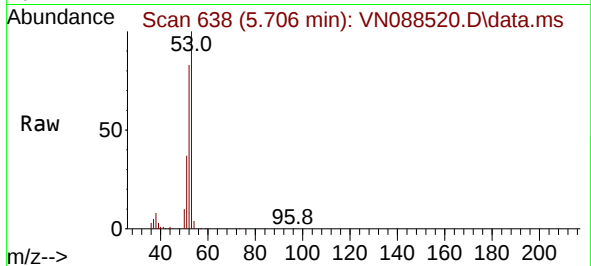




#15  
Acrylonitrile  
Concen: 95.039 ug/l  
RT: 5.706 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

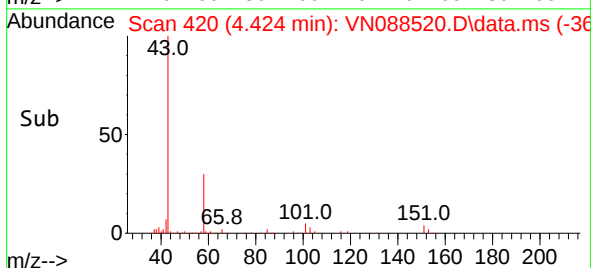
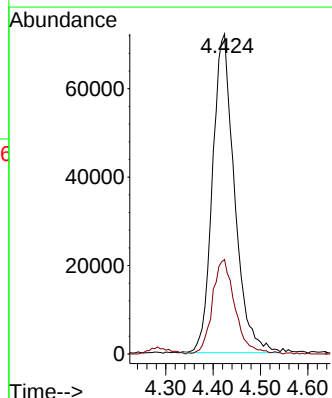
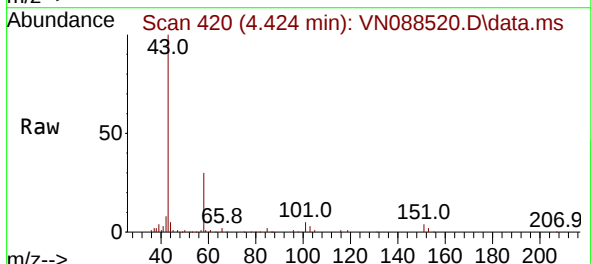
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

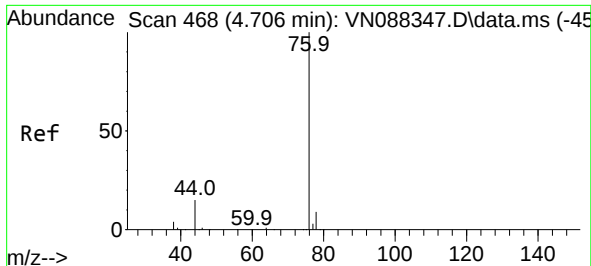
Tgt Ion: 53 Resp: 343041  
Ion Ratio Lower Upper  
53 100  
52 82.6 67.8 101.6  
51 36.9 29.8 44.8



#16  
Acetone  
Concen: 82.058 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 43 Resp: 232541  
Ion Ratio Lower Upper  
43 100  
58 29.3 21.7 32.5

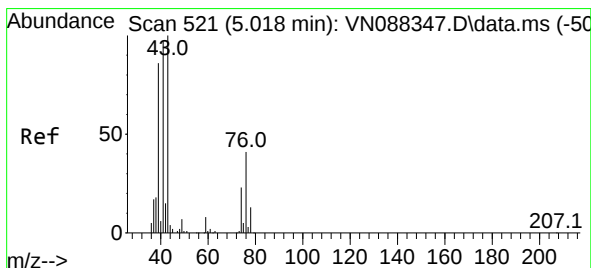
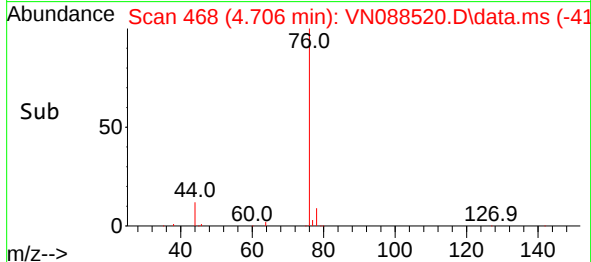
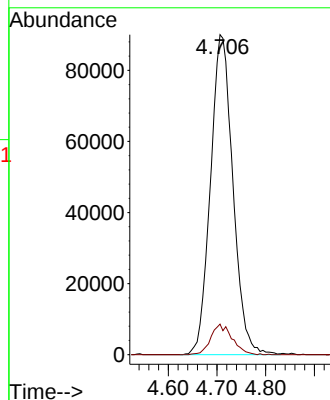
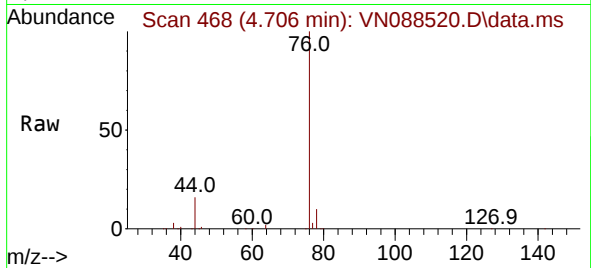




#17  
Carbon Disulfide  
Concen: 17.386 ug/l  
RT: 4.706 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

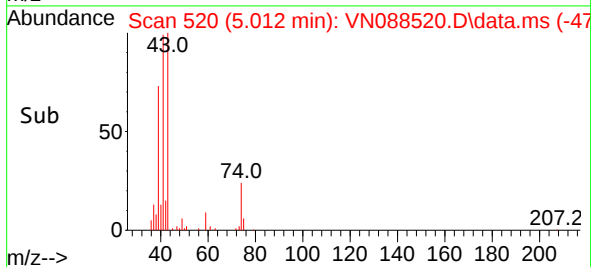
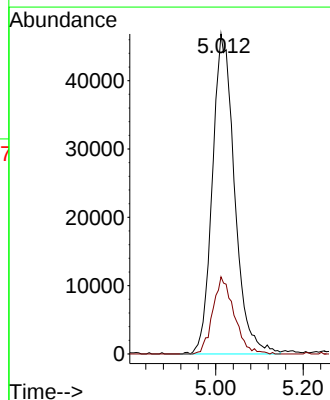
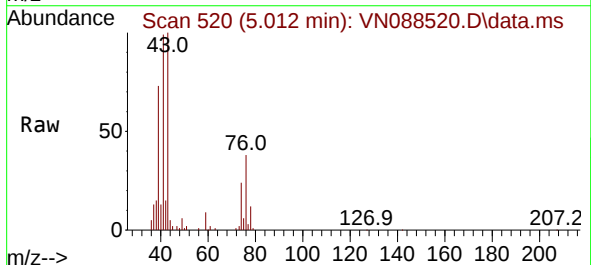
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

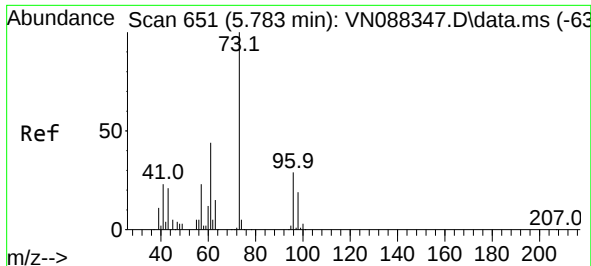
Tgt Ion: 76 Resp: 288320  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.0 10.4



#18  
Methyl Acetate  
Concen: 19.582 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 43 Resp: 165179  
Ion Ratio Lower Upper  
43 100  
74 23.1 17.9 26.9

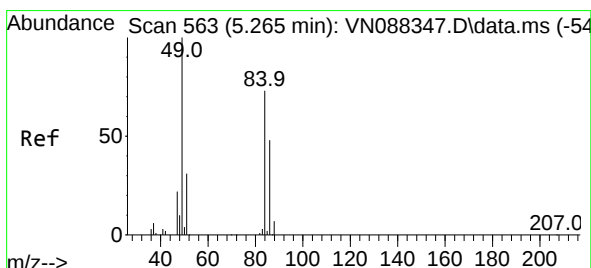
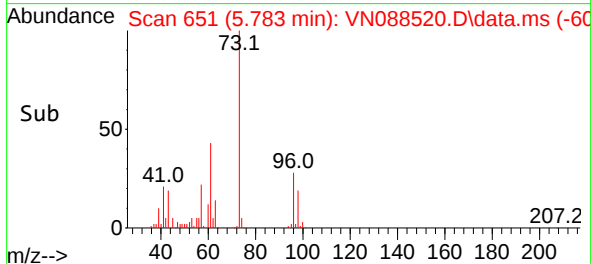
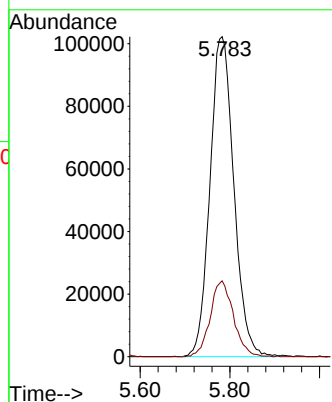
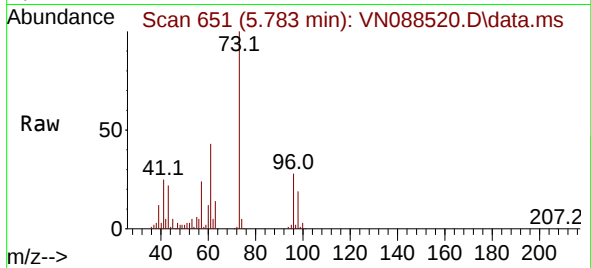




#19  
Methyl tert-butyl Ether  
Concen: 19.903 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

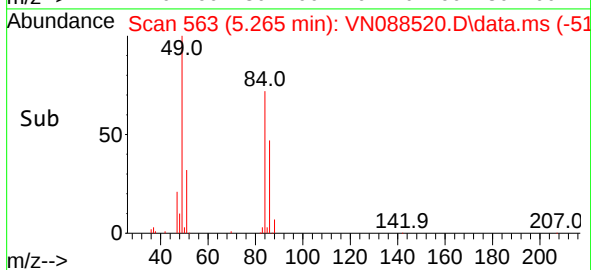
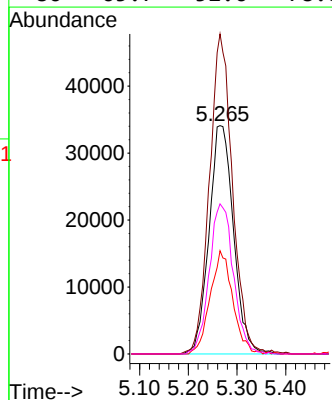
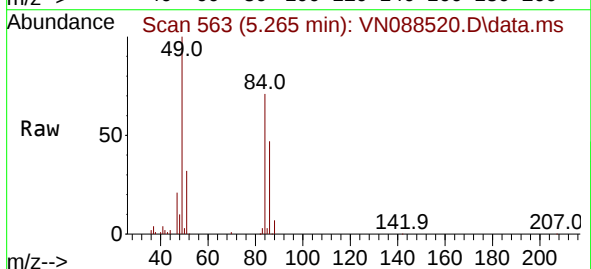
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MSVOA\_N  
ClientSampleId :  
VN1216WBS02

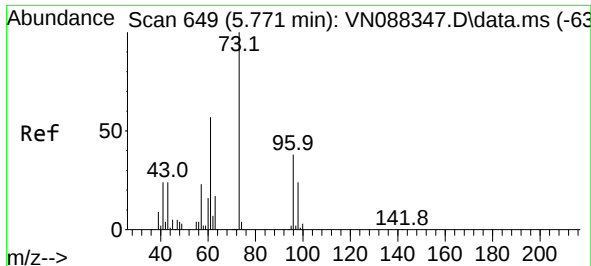
Tgt Ion: 73 Resp: 378412  
Ion Ratio Lower Upper  
73 100  
57 23.7 18.6 28.0



#20  
Methylene Chloride  
Concen: 19.628 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 84 Resp: 119007  
Ion Ratio Lower Upper  
84 100  
49 140.2 110.2 165.2  
51 45.2 34.1 51.1  
86 65.7 52.6 78.8

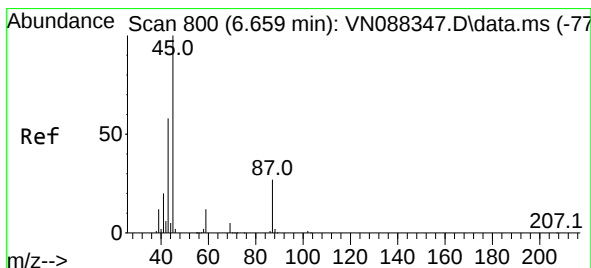
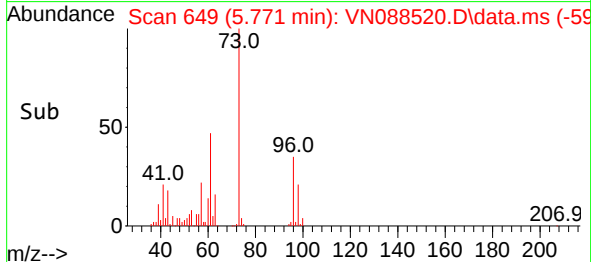
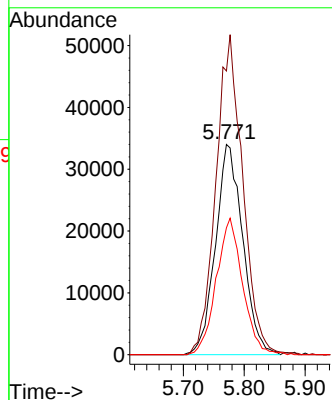
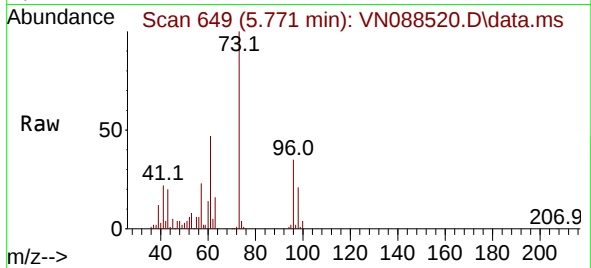




#21  
trans-1,2-Dichloroethene  
Concen: 18.817 ug/l  
RT: 5.771 min Scan# 649  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

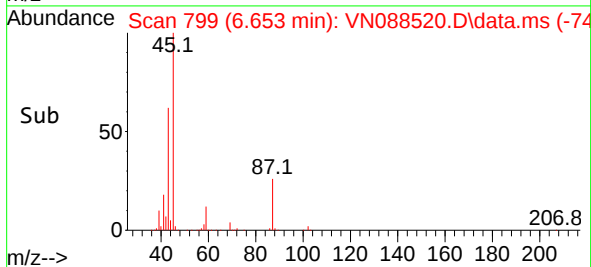
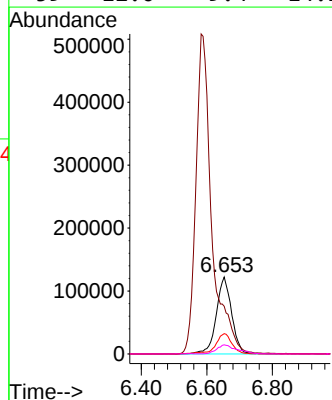
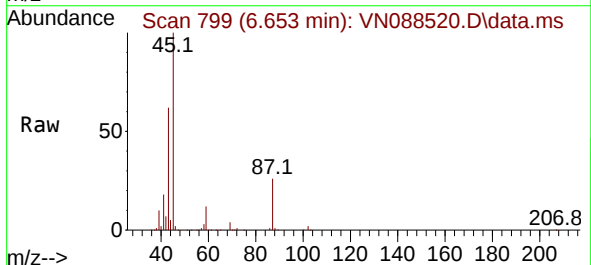
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

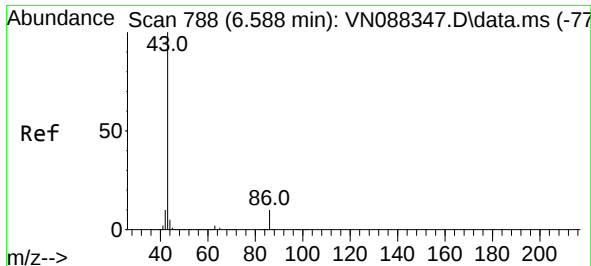
Tgt Ion: 96 Resp: 105782  
Ion Ratio Lower Upper  
96 100  
61 134.9 122.4 183.6  
98 60.3 50.9 76.3



#22  
Diisopropyl ether  
Concen: 19.719 ug/l  
RT: 6.653 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 45 Resp: 395991  
Ion Ratio Lower Upper  
45 100  
43 61.6 47.4 71.2  
87 26.4 21.9 32.9  
59 12.0 9.4 14.2

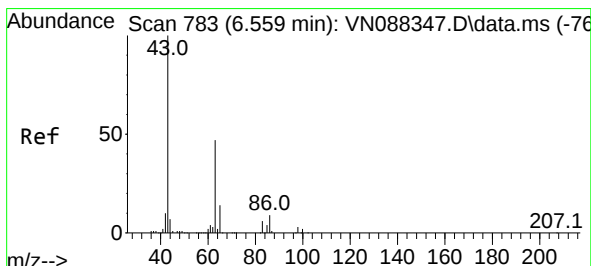
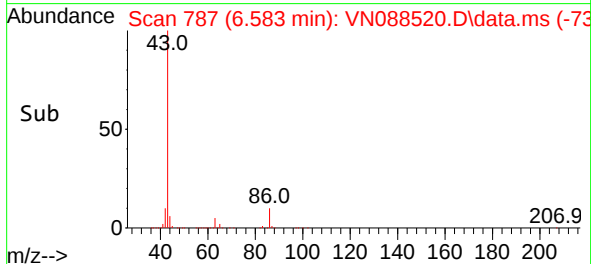
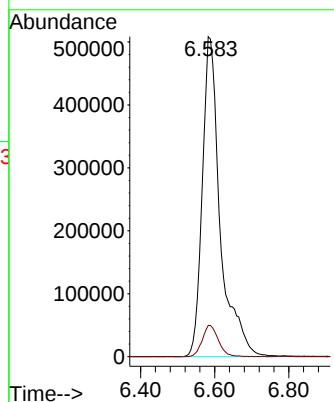
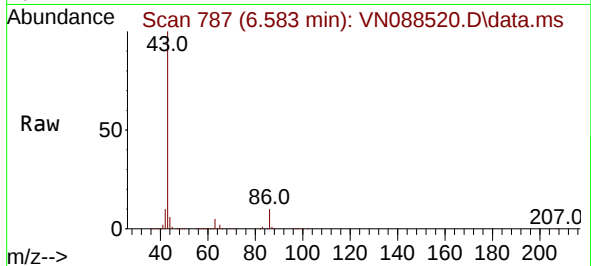




#23  
 Vinyl Acetate  
 Concen: 105.605 ug/l  
 RT: 6.583 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

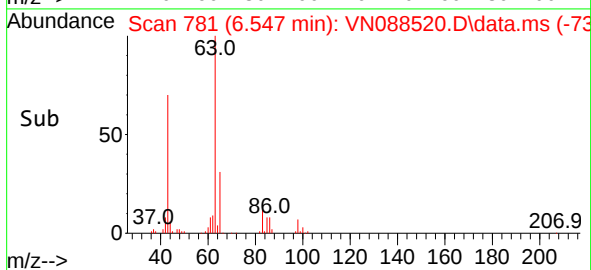
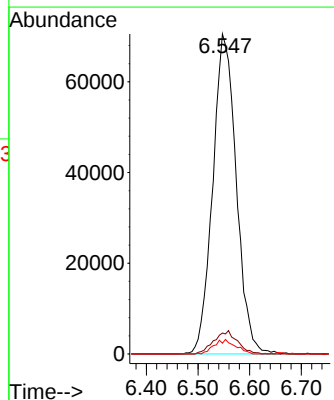
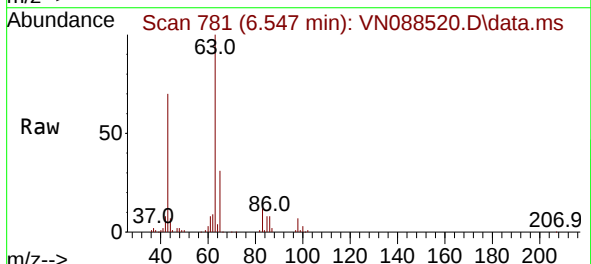
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 ClientSampleId :  
 VN1216WBS02

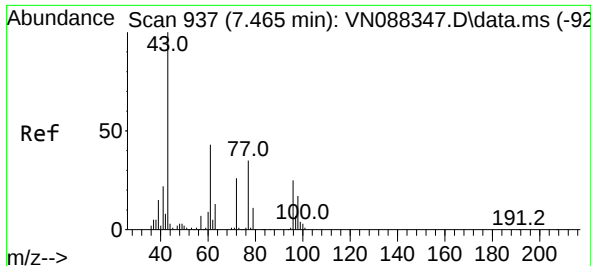
Tgt Ion: 43 Resp: 1708603  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 19.635 ug/l  
 RT: 6.547 min Scan# 781  
 Delta R.T. -0.012 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

Tgt Ion: 63 Resp: 223289  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.4 10.2  
 100 3.3 1.9 5.7

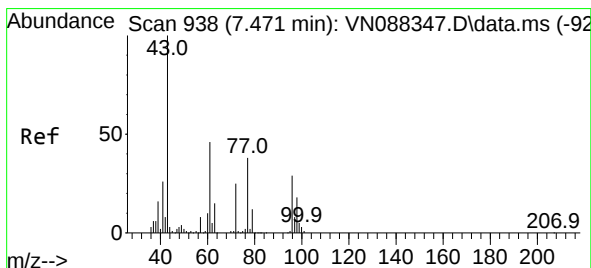
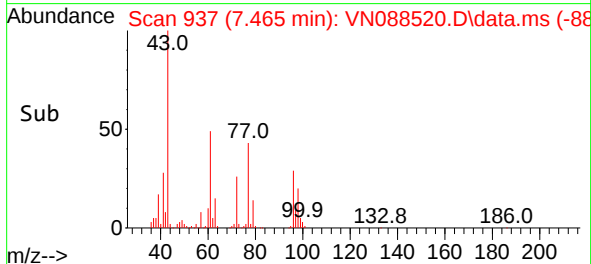
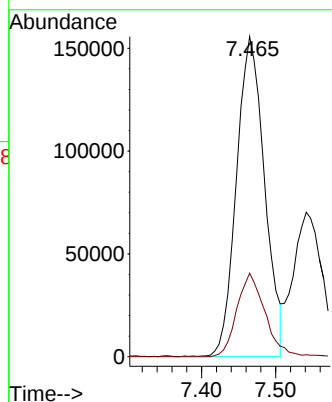
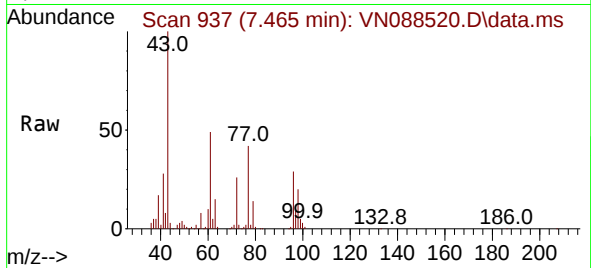




#25  
2-Butanone  
Concen: 90.048 ug/l  
RT: 7.465 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

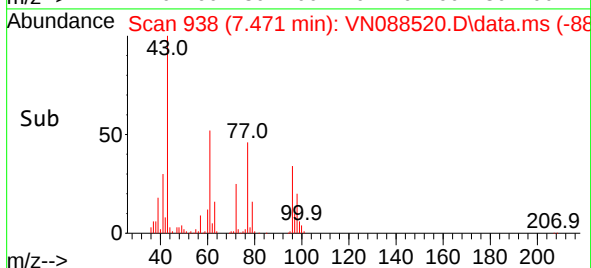
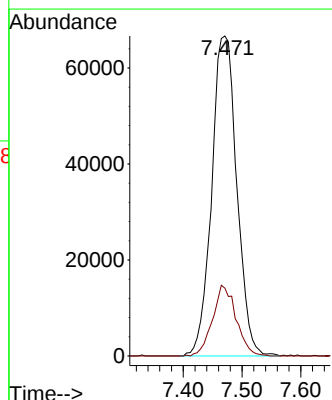
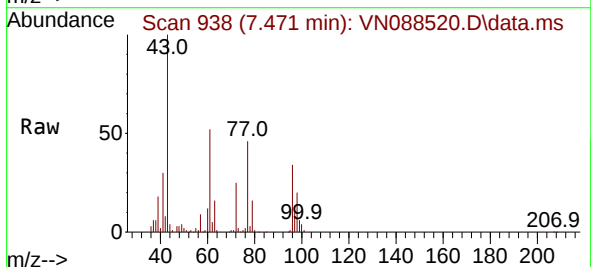
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

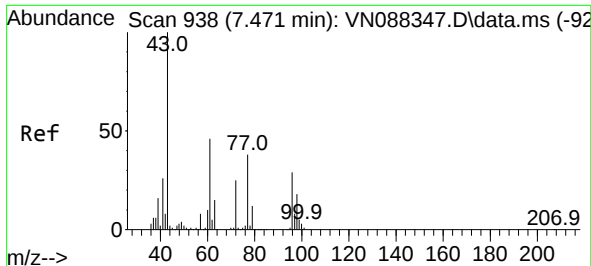
Tgt Ion: 43 Resp: 410238  
Ion Ratio Lower Upper  
43 100  
72 26.1 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 20.166 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 77 Resp: 197953  
Ion Ratio Lower Upper  
77 100  
97 20.7 10.3 30.9

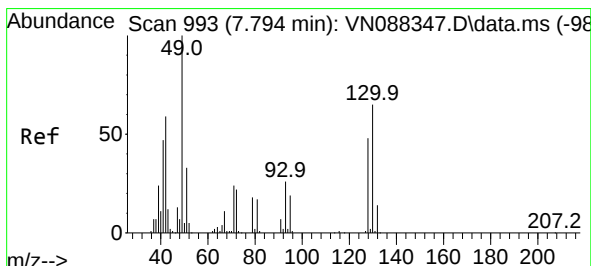
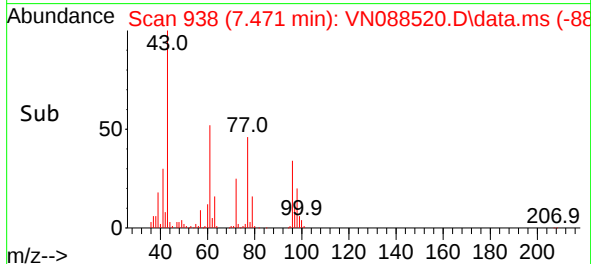
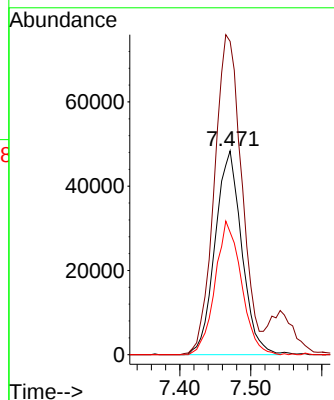
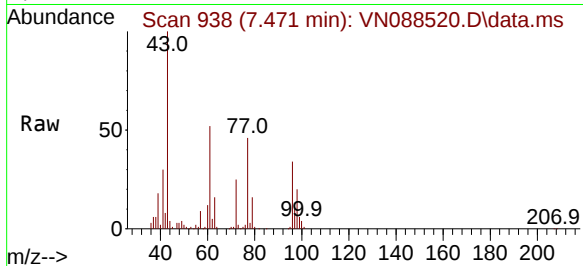




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.262 ug/l  
 RT: 7.471 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

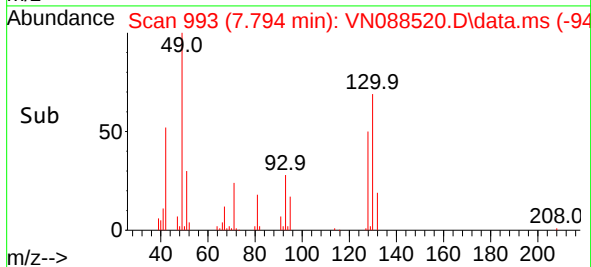
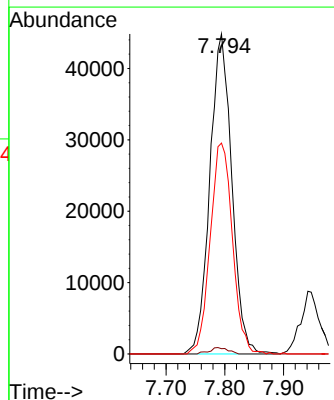
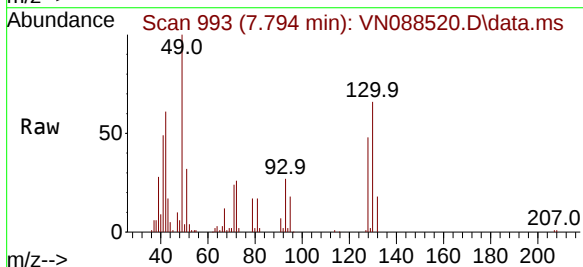
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS02

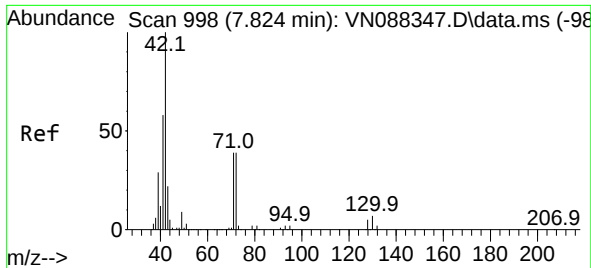
Tgt Ion: 96 Resp: 125844  
 Ion Ratio Lower Upper  
 96 100  
 61 162.0 0.0 323.6  
 98 64.8 0.0 127.2



#28  
 Bromochloromethane  
 Concen: 20.531 ug/l  
 RT: 7.794 min Scan# 993  
 Delta R.T. -0.000 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

Tgt Ion: 49 Resp: 116307  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 3.6  
 130 66.7 51.1 76.7

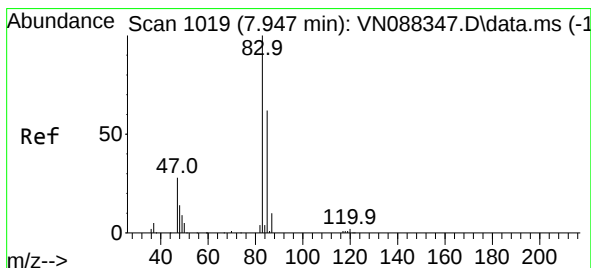
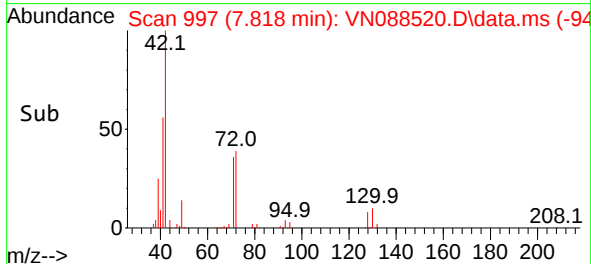
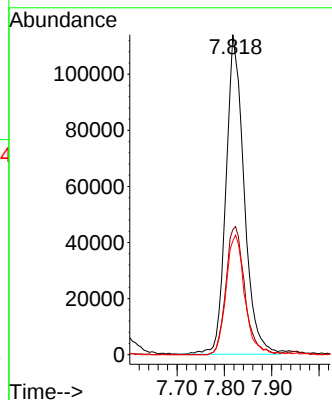
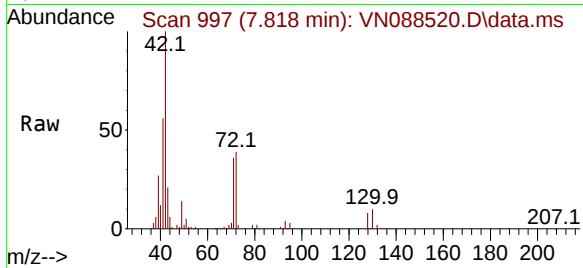




#29  
Tetrahydrofuran  
Concen: 92.762 ug/l  
RT: 7.818 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

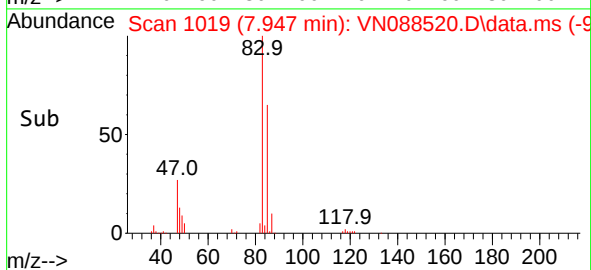
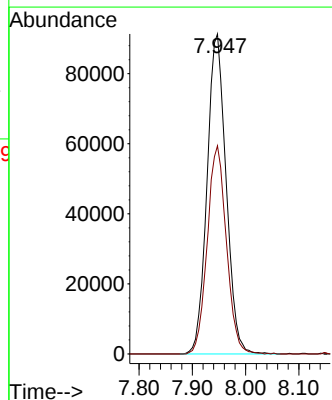
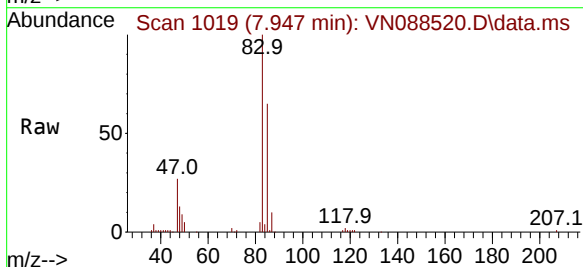
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

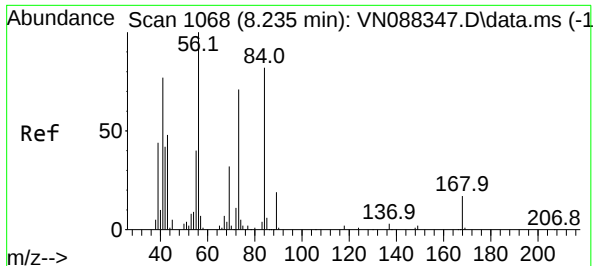
Tgt Ion: 42 Resp: 303118  
Ion Ratio Lower Upper  
42 100  
72 41.7 32.2 48.4  
71 38.8 31.1 46.7



#30  
Chloroform  
Concen: 20.289 ug/l  
RT: 7.947 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 83 Resp: 226715  
Ion Ratio Lower Upper  
83 100  
85 65.0 49.8 74.8

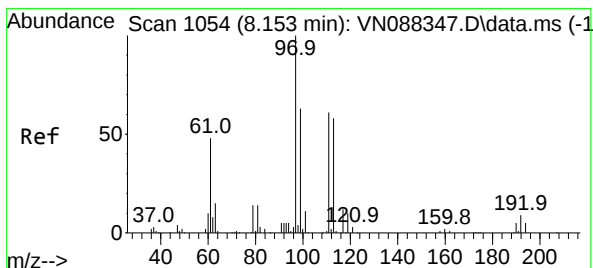
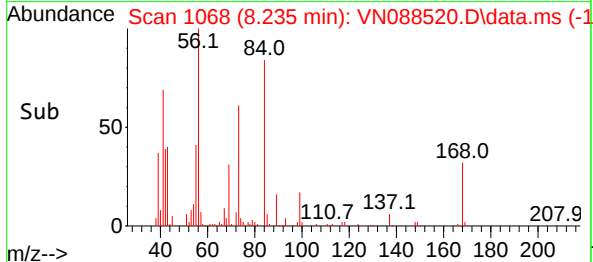
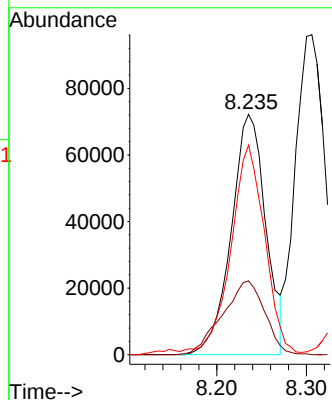
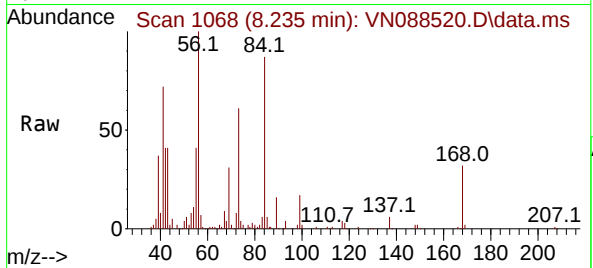




#31  
Cyclohexane  
Concen: 18.739 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

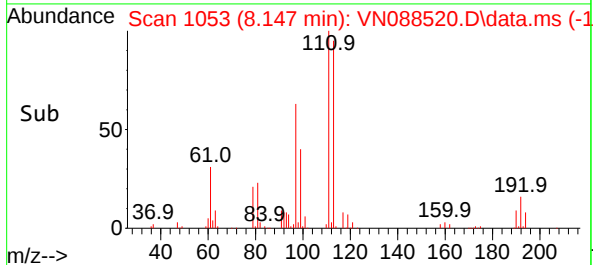
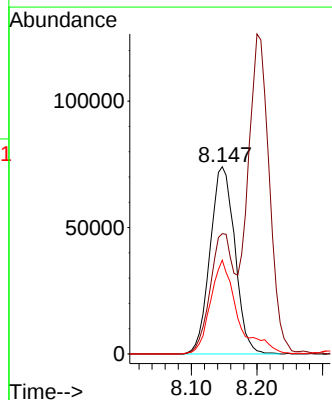
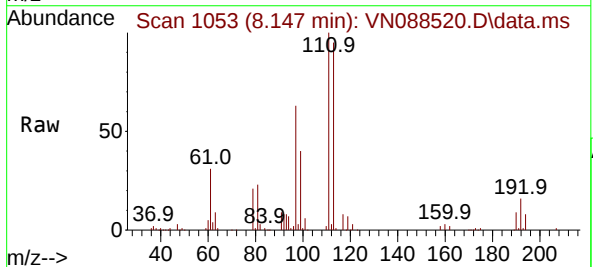
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

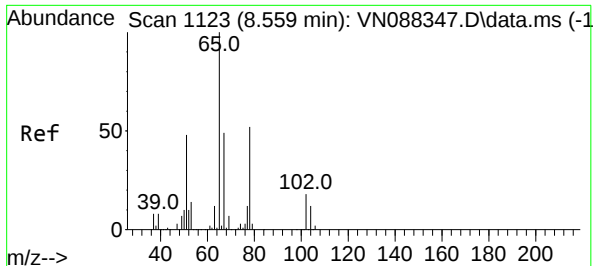
Tgt Ion: 56 Resp: 193116  
Ion Ratio Lower Upper  
56 100  
69 30.5 25.3 37.9  
84 85.9 65.4 98.2



#32  
1,1,1-Trichloroethane  
Concen: 19.791 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 97 Resp: 194446  
Ion Ratio Lower Upper  
97 100  
99 62.9 50.8 76.2  
61 54.9 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 52.301 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

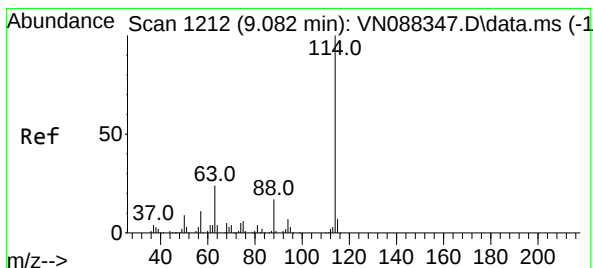
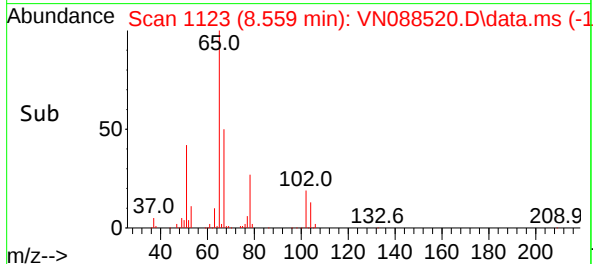
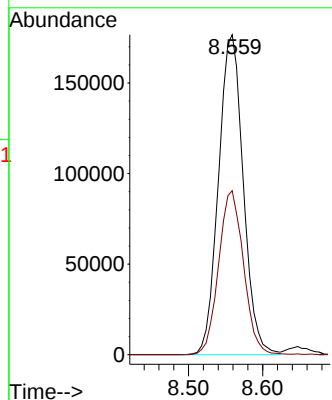
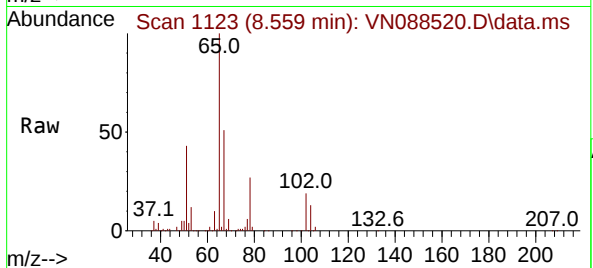
VN1216WBS02

Tgt Ion: 65 Resp: 409821

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

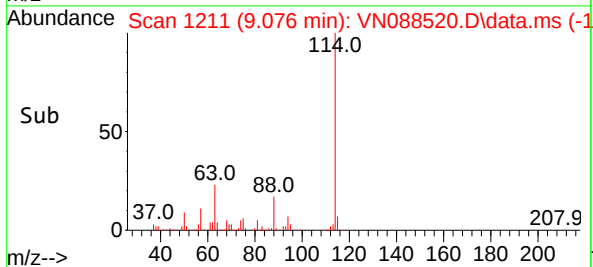
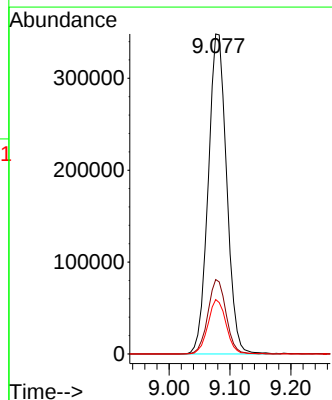
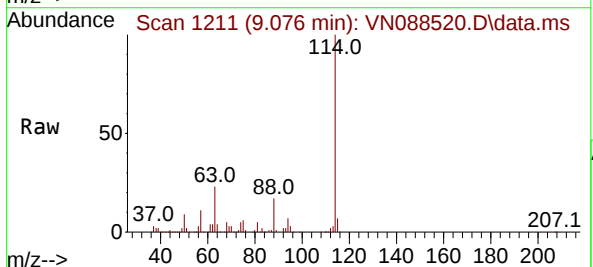
Tgt Ion: 114 Resp: 731821

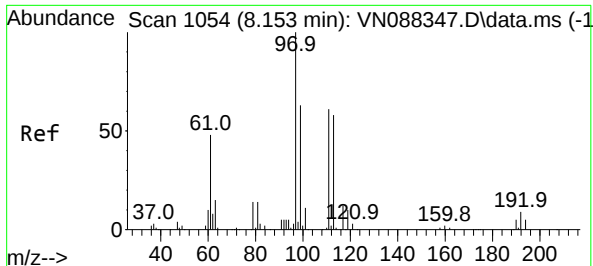
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

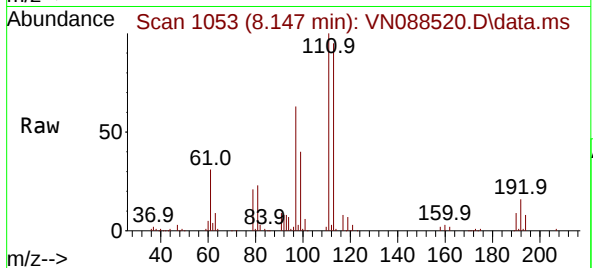
88 17.0 0.0 34.0



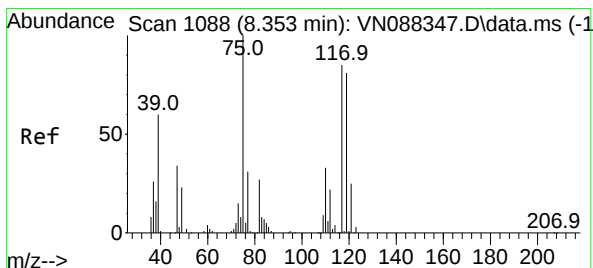
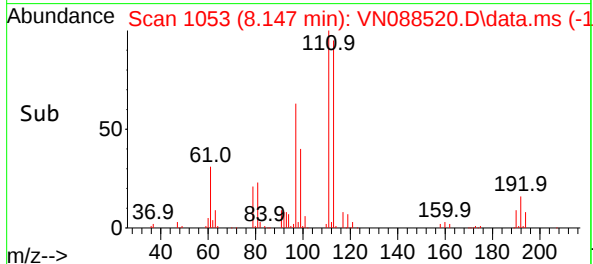
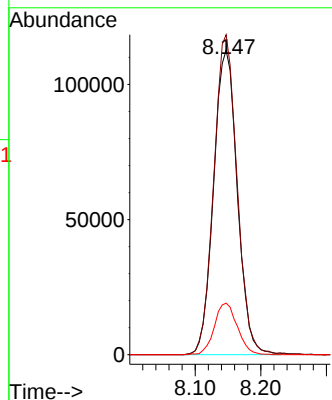


#35  
Dibromofluoromethane  
Concen: 55.680 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

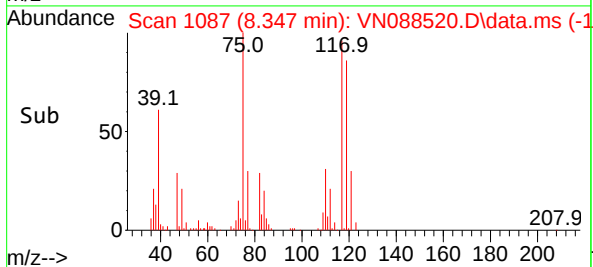
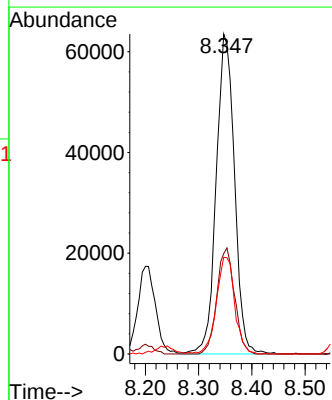
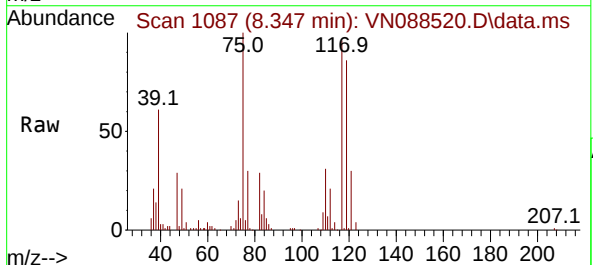


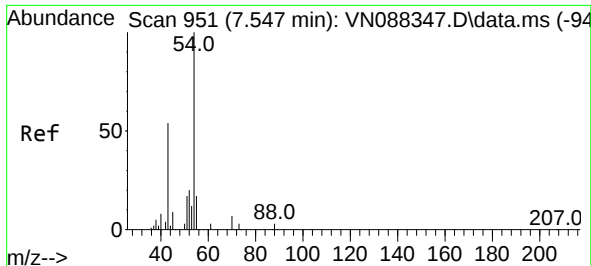
Tgt Ion:113 Resp: 282378  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.5 123.7  
192 16.4 12.8 19.2



#36  
1,1-Dichloropropene  
Concen: 19.332 ug/l  
RT: 8.347 min Scan# 1087  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 75 Resp: 151307  
Ion Ratio Lower Upper  
75 100  
110 32.1 15.8 47.4  
77 30.3 24.2 36.2

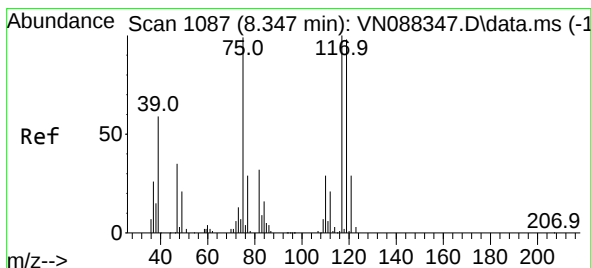
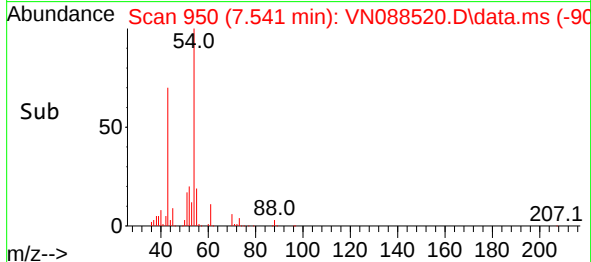
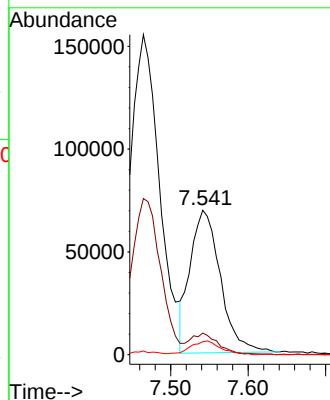
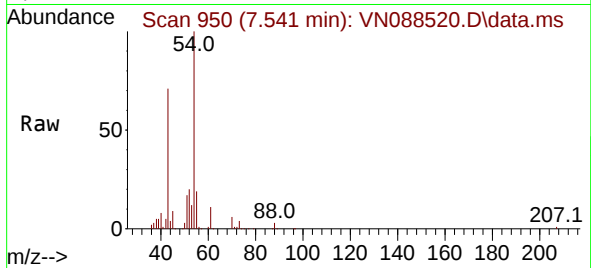




#37  
Ethyl Acetate  
Concen: 18.242 ug/l  
RT: 7.541 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

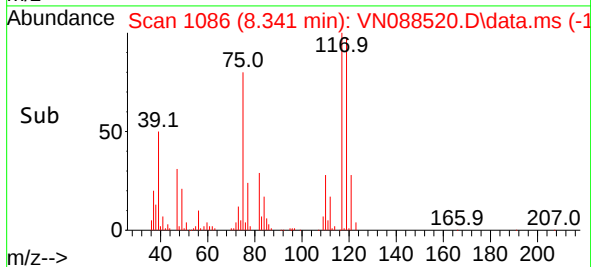
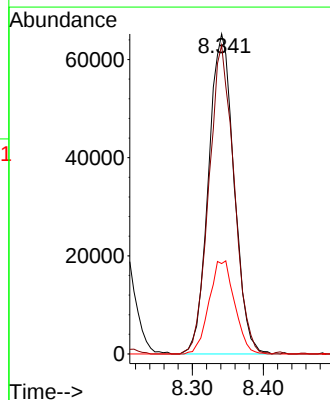
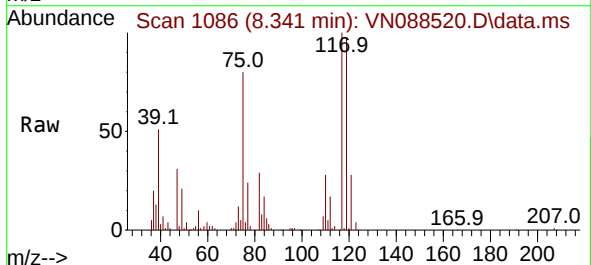
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

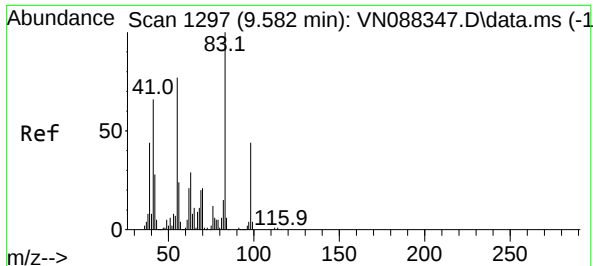
Tgt Ion: 43 Resp: 187737  
Ion Ratio Lower Upper  
43 100  
61 13.7 9.5 14.3  
70 9.6 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 20.868 ug/l  
RT: 8.341 min Scan# 1086  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 117 Resp: 162598  
Ion Ratio Lower Upper  
117 100  
119 96.5 78.2 117.4  
121 28.2 23.4 35.2





#39

Methylcyclohexane

Concen: 18.790 ug/l

RT: 9.576 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

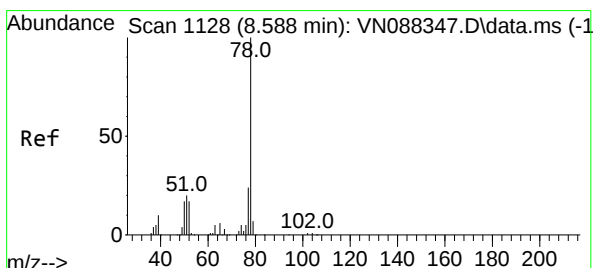
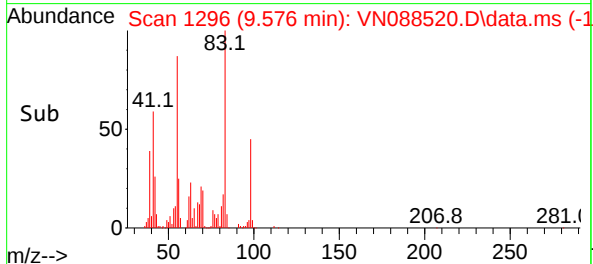
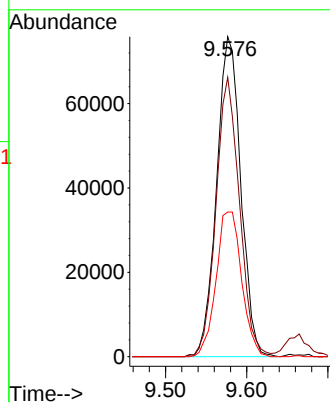
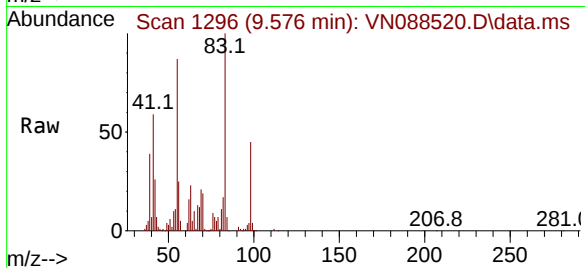
Tgt Ion: 83 Resp: 157313

Ion Ratio Lower Upper

83 100

55 87.3 61.6 92.4

98 45.2 35.3 52.9



#40

Benzene

Concen: 20.344 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN088520.D

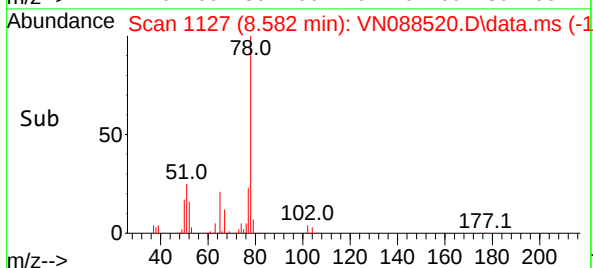
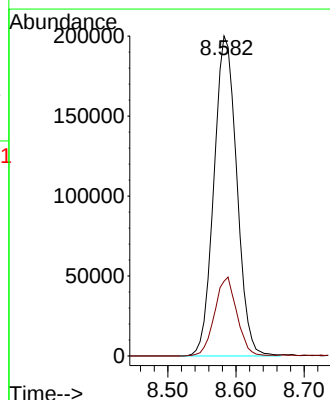
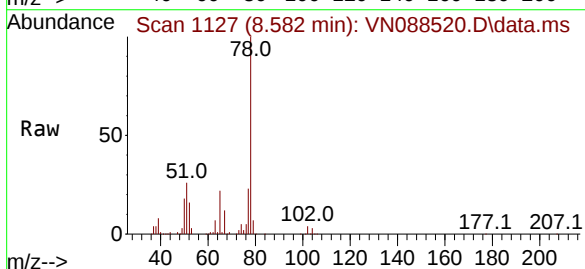
Acq: 16 Dec 2025 12:07

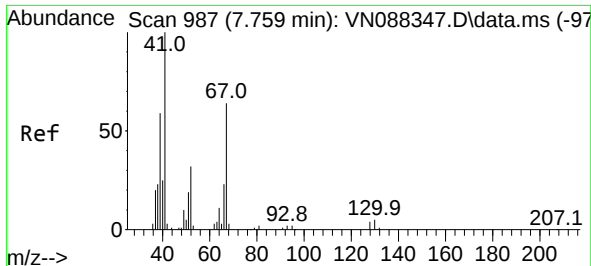
Tgt Ion: 78 Resp: 467334

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4

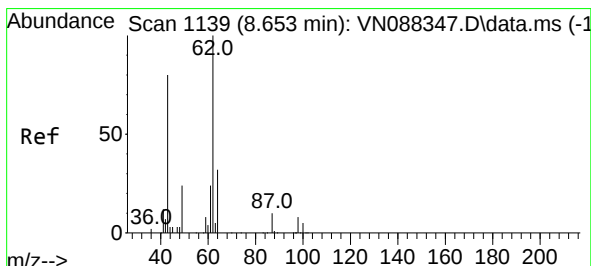
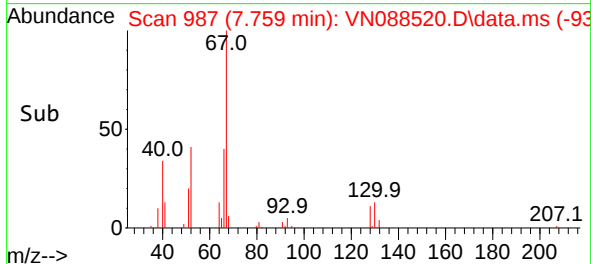
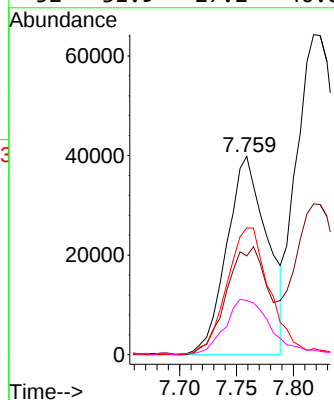
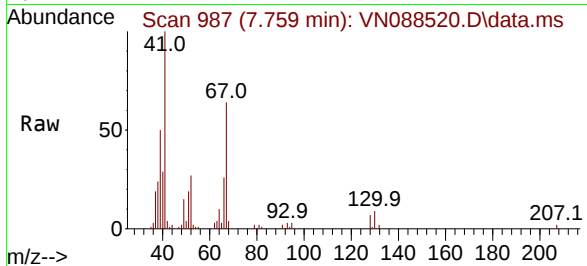




#41  
Methacrylonitrile  
Concen: 19.434 ug/l  
RT: 7.759 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

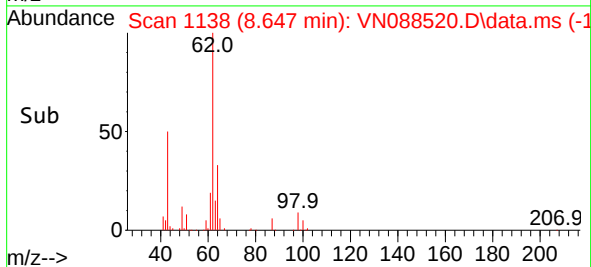
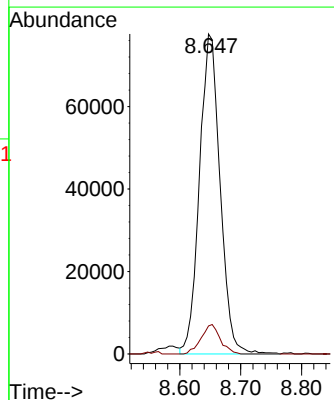
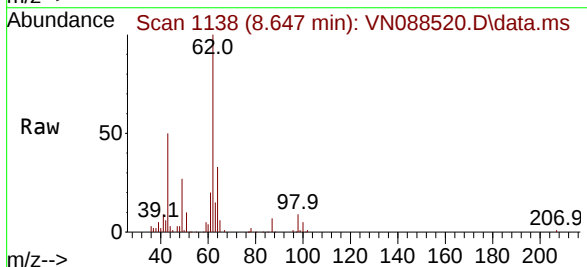
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

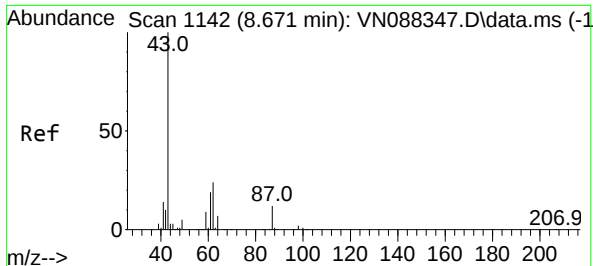
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 99061 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.8  | 46.3  | 69.5  |
| 67       | 68.3  | 54.7  | 82.1  |
| 52       | 31.9  | 27.2  | 40.8  |



#42  
1,2-Dichloroethane  
Concen: 20.836 ug/l  
RT: 8.647 min Scan# 1138  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 182614 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.6   | 0.0   | 16.2   |





#43

Isopropyl Acetate

Concen: 18.882 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

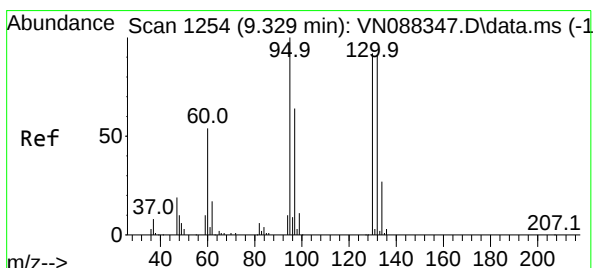
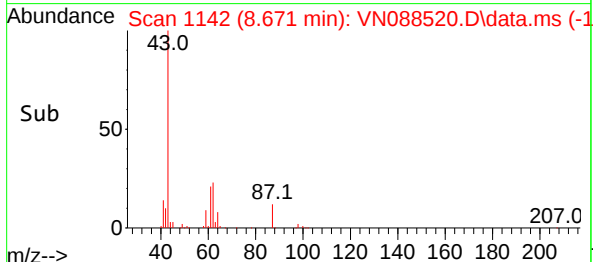
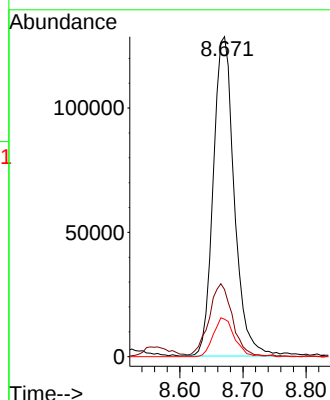
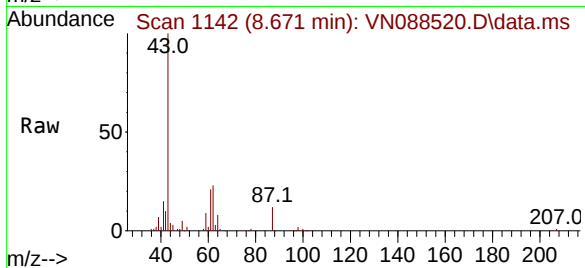
Tgt Ion: 43 Resp: 296897

Ion Ratio Lower Upper

43 100

61 24.9 18.7 28.1

87 12.3 9.1 13.7



#44

Trichloroethene

Concen: 19.794 ug/l

RT: 9.329 min Scan# 1254

Delta R.T. 0.000 min

Lab File: VN088520.D

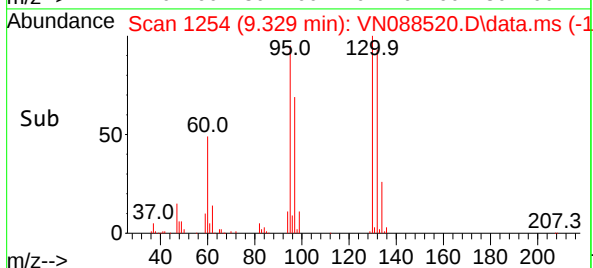
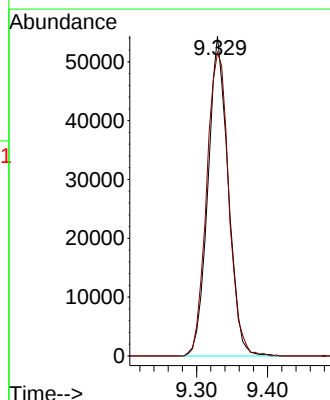
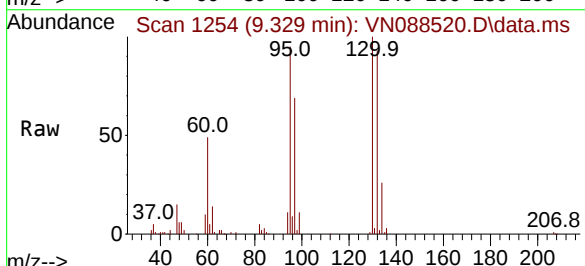
Acq: 16 Dec 2025 12:07

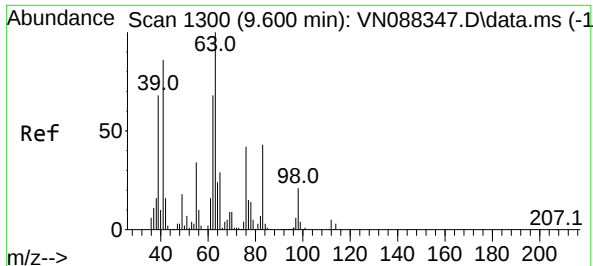
Tgt Ion:130 Resp: 107442

Ion Ratio Lower Upper

130 100

95 94.9 0.0 217.0





#45

1,2-Dichloropropane

Concen: 20.428 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

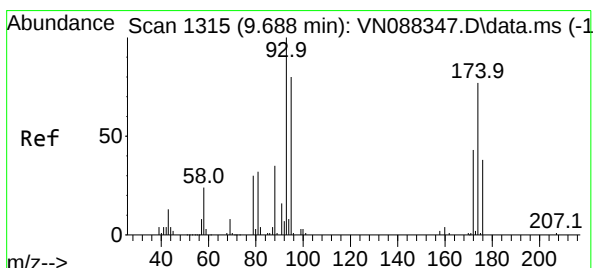
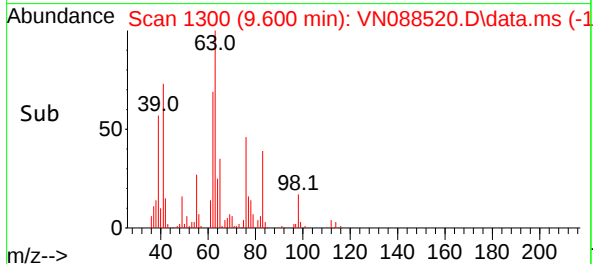
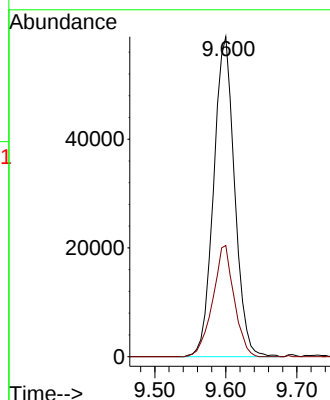
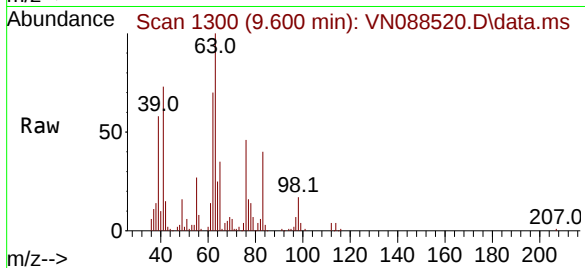
VN1216WBS02

Tgt Ion: 63 Resp: 120231

Ion Ratio Lower Upper

63 100

65 34.7 23.0 34.4#



#46

Dibromomethane

Concen: 20.896 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

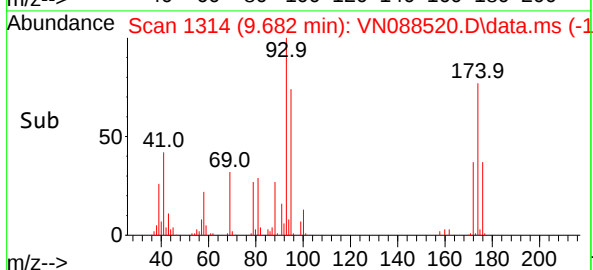
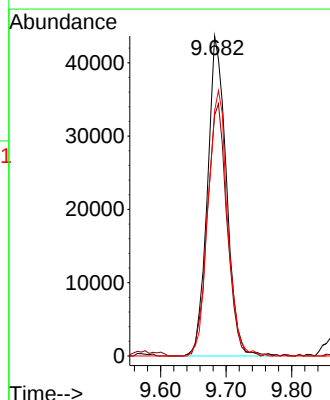
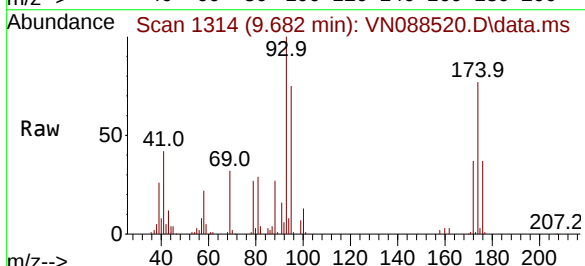
Tgt Ion: 93 Resp: 87769

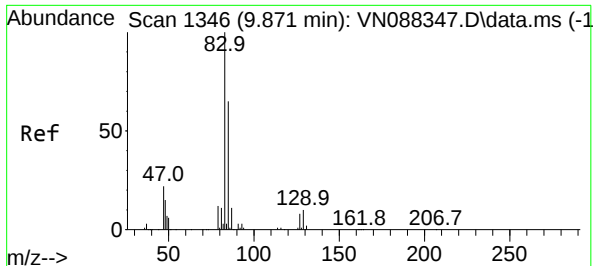
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.6

174 85.4 64.3 96.5





#47

Bromodichloromethane

Concen: 20.651 ug/l

RT: 9.865 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

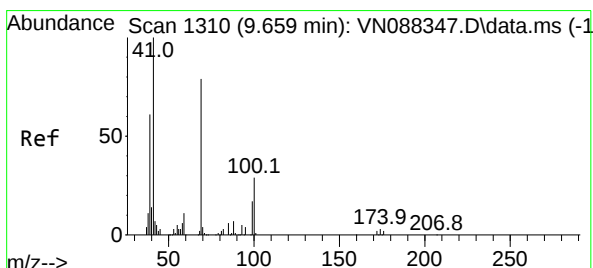
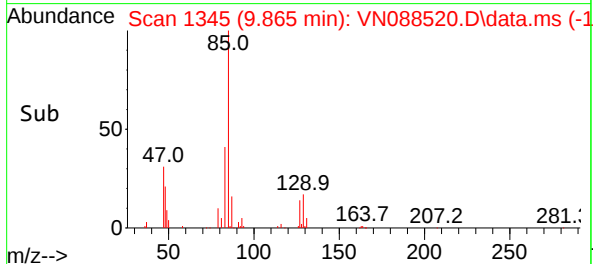
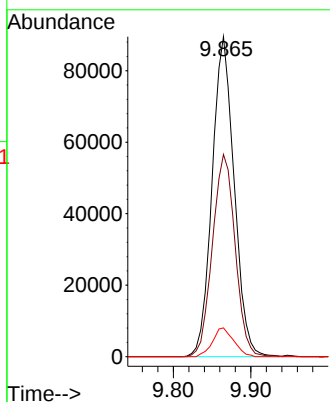
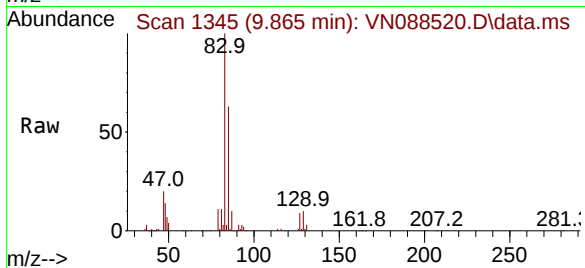
Tgt Ion: 83 Resp: 176988

Ion Ratio Lower Upper

83 100

85 63.2 51.9 77.9

127 9.0 6.3 9.5



#48

Methyl methacrylate

Concen: 18.920 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

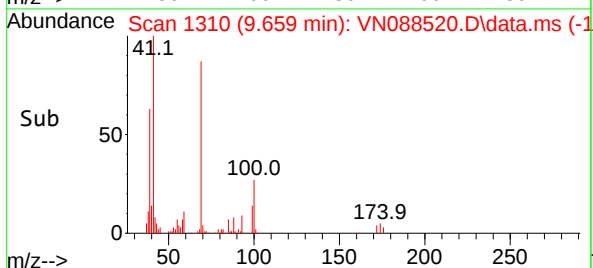
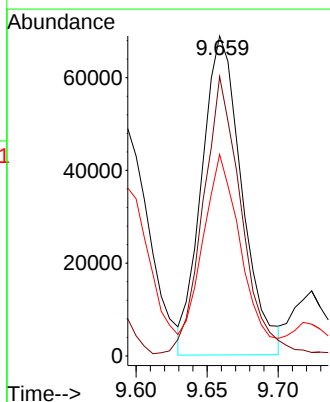
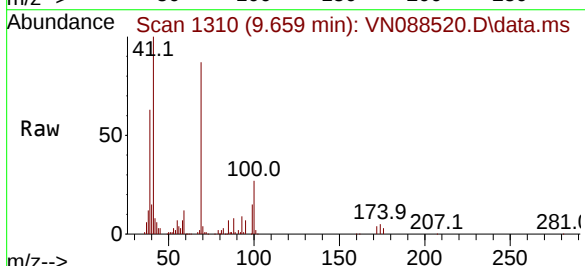
Tgt Ion: 41 Resp: 135738

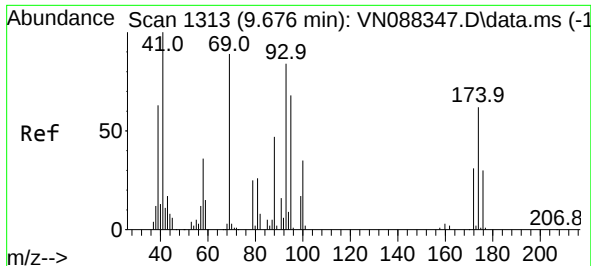
Ion Ratio Lower Upper

41 100

69 84.2 62.4 93.6

39 61.0 52.6 79.0





#49

1,4-Dioxane

Concen: 346.735 ug/l

RT: 9.676 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

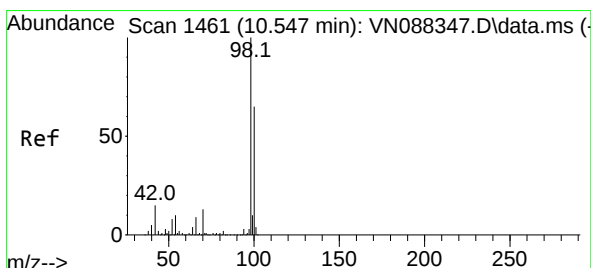
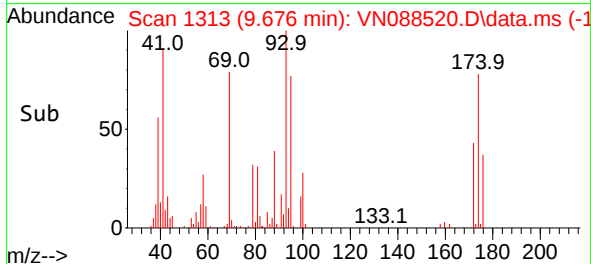
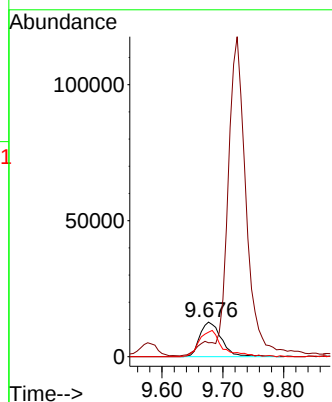
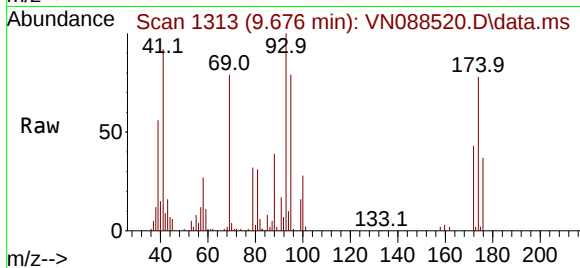
Tgt Ion: 88 Resp: 31636

Ion Ratio Lower Upper

88 100

43 24.6 0.0 0.0#

58 79.7 62.0 93.0



#50

Toluene-d8

Concen: 55.643 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088520.D

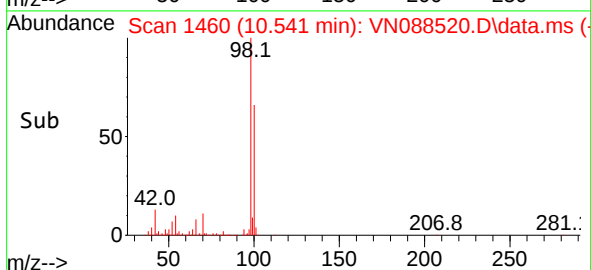
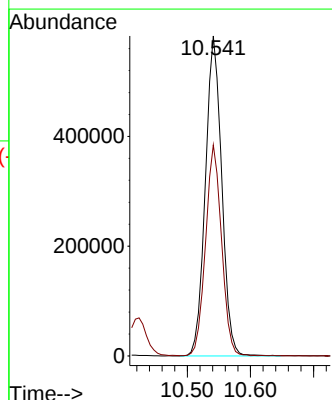
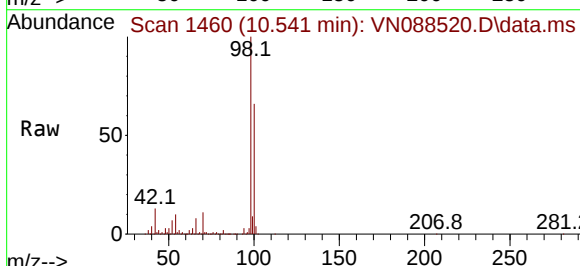
Acq: 16 Dec 2025 12:07

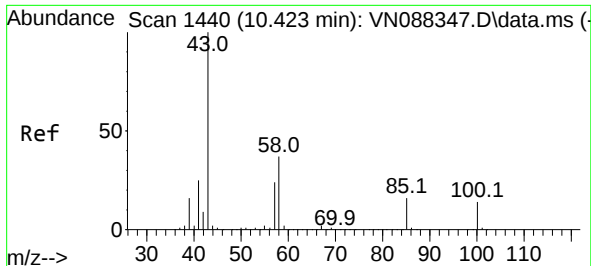
Tgt Ion: 98 Resp: 1049973

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2

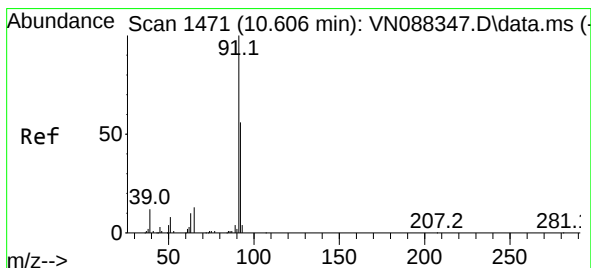
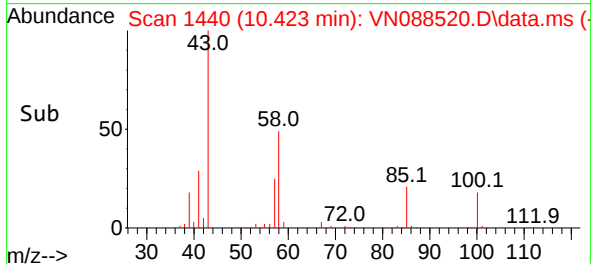
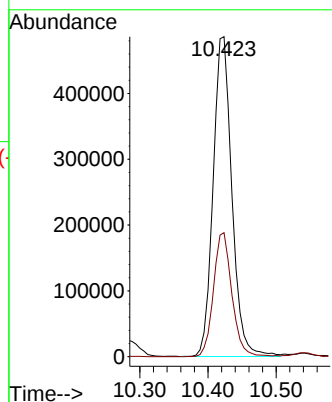
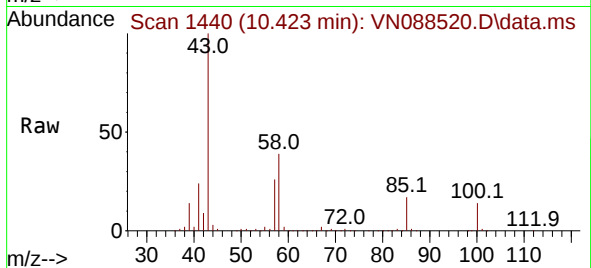




#51  
4-Methyl-2-Pentanone  
Concen: 100.565 ug/l  
RT: 10.423 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

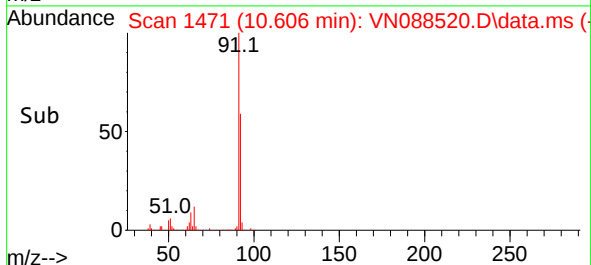
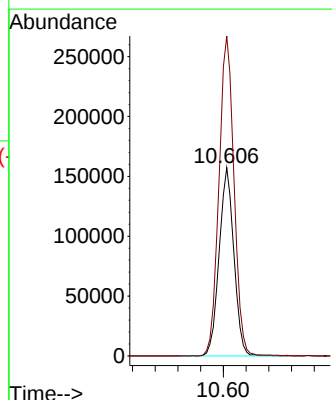
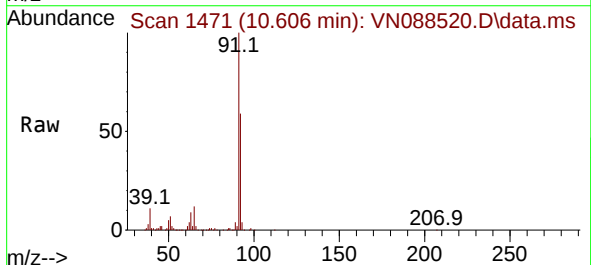
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

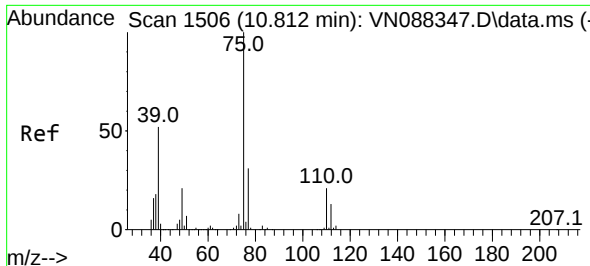
Tgt Ion: 43 Resp: 932067  
Ion Ratio Lower Upper  
43 100  
58 38.0 29.1 43.7



#52  
Toluene  
Concen: 21.403 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 92 Resp: 283901  
Ion Ratio Lower Upper  
92 100  
91 173.7 140.2 210.2

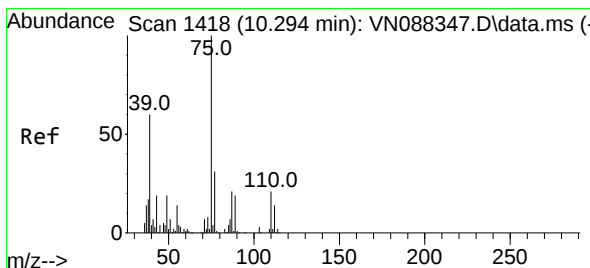
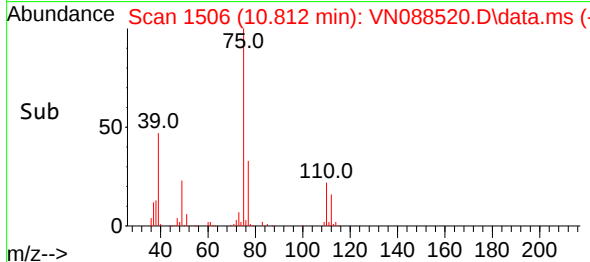
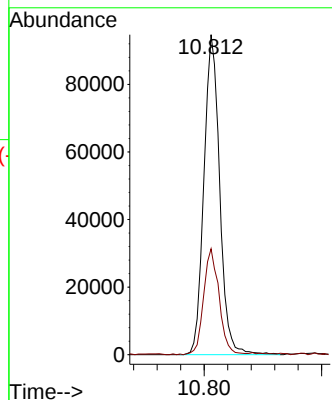
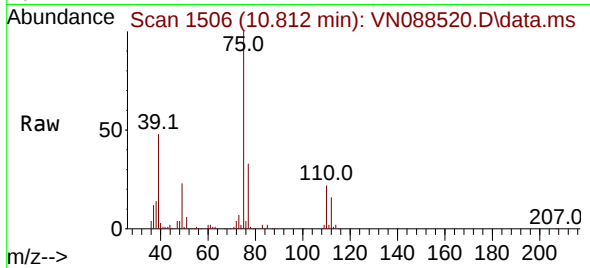




#53  
t-1,3-Dichloropropene  
Concen: 20.123 ug/l  
RT: 10.812 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

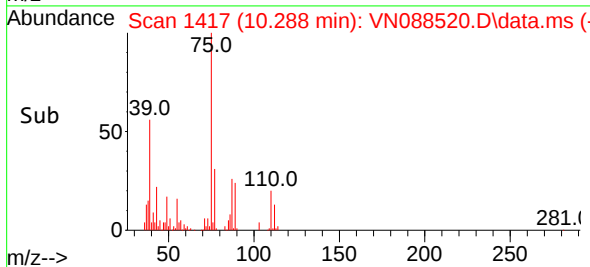
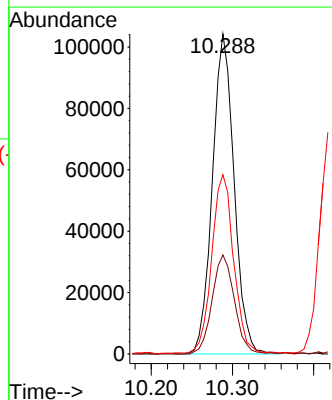
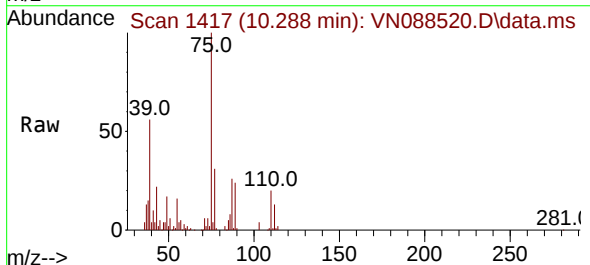
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

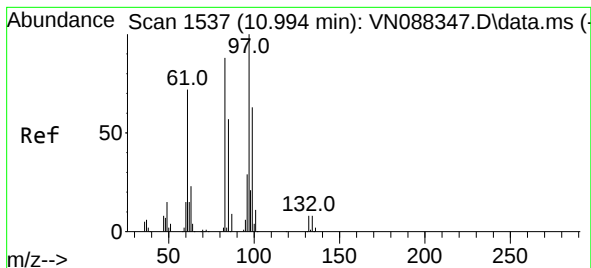
Tgt Ion: 75 Resp: 177021  
Ion Ratio Lower Upper  
75 100  
77 32.9 24.8 37.2



#54  
cis-1,3-Dichloropropene  
Concen: 20.946 ug/l  
RT: 10.288 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 75 Resp: 193777  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.5 36.7  
39 55.7 48.3 72.5



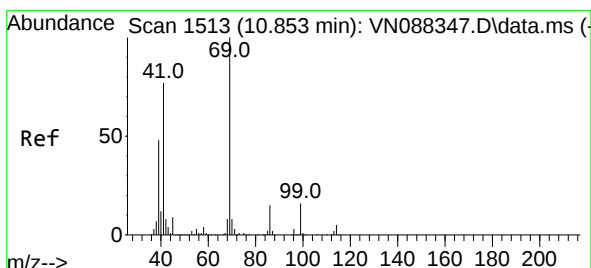
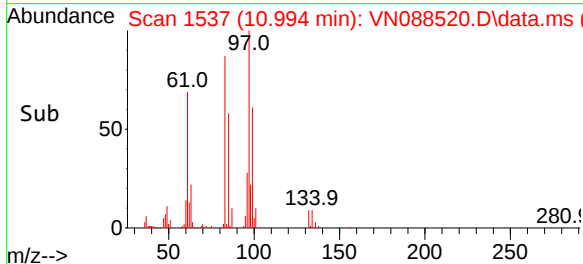
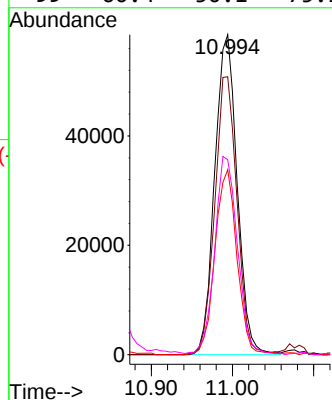
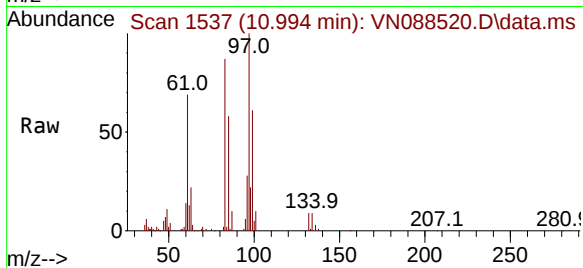


#55  
1,1,2-Trichloroethane  
Concen: 21.947 ug/l  
RT: 10.994 min Scan# 1537  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

Tgt Ion: 97 Resp: 112632

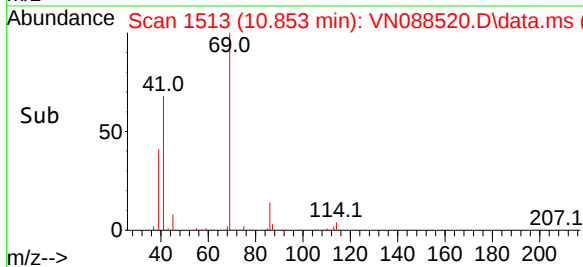
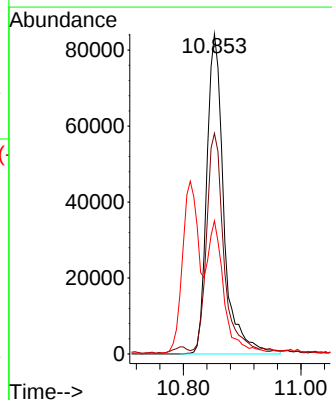
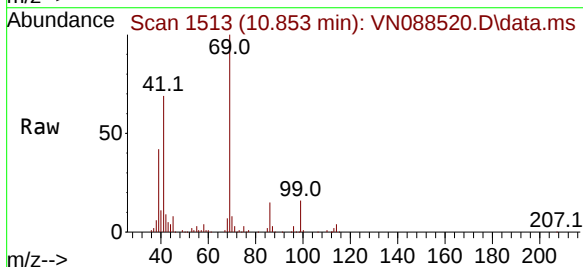
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.9  | 70.4  | 105.6 |
| 85  | 57.8  | 45.4  | 68.2  |
| 99  | 60.4  | 50.1  | 75.1  |

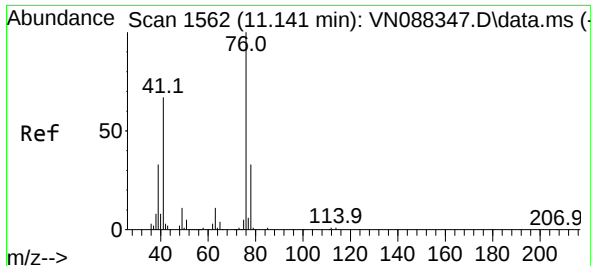


#56  
Ethyl methacrylate  
Concen: 20.917 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 69 Resp: 169563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.8  | 59.6  | 89.4  |
| 39  | 38.5  | 36.4  | 54.6  |





#57

1,3-Dichloropropane

Concen: 21.364 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

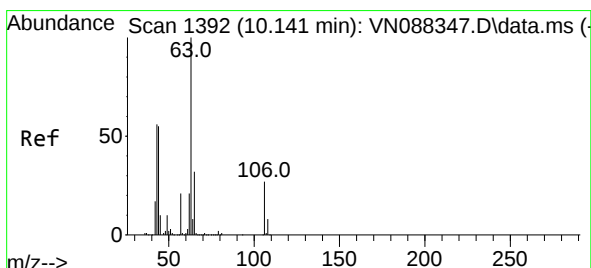
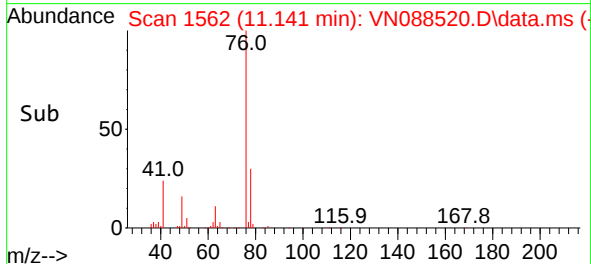
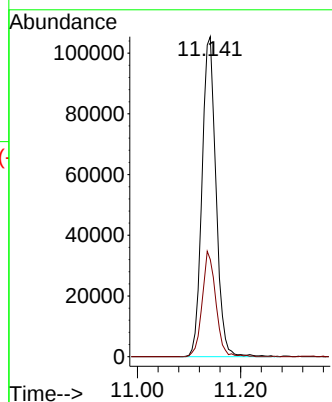
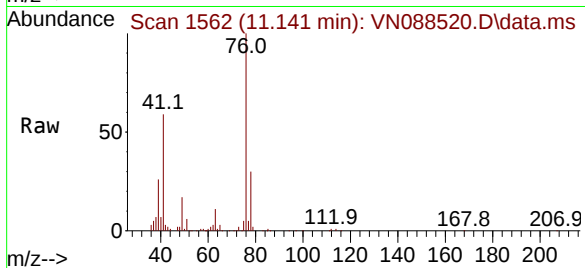
VN1216WBS02

Tgt Ion: 76 Resp: 197796

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 113.172 ug/l

RT: 10.135 min Scan# 1391

Delta R.T. -0.006 min

Lab File: VN088520.D

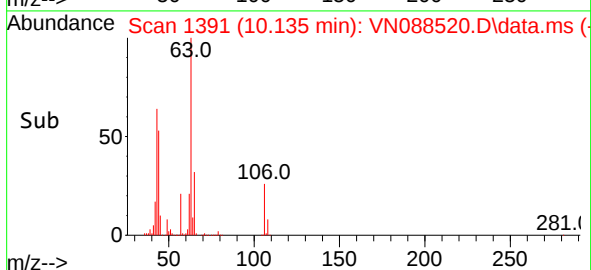
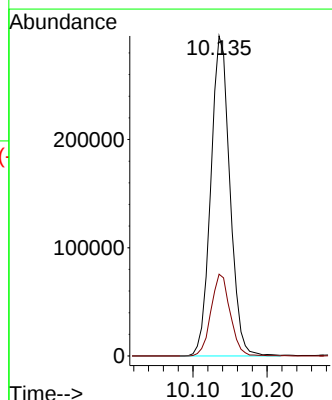
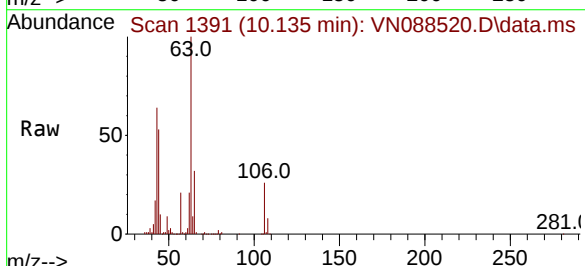
Acq: 16 Dec 2025 12:07

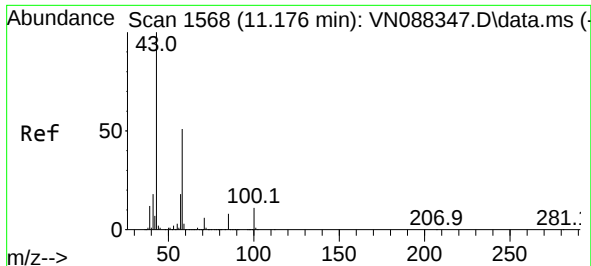
Tgt Ion: 63 Resp: 528922

Ion Ratio Lower Upper

63 100

106 25.7 20.5 30.7

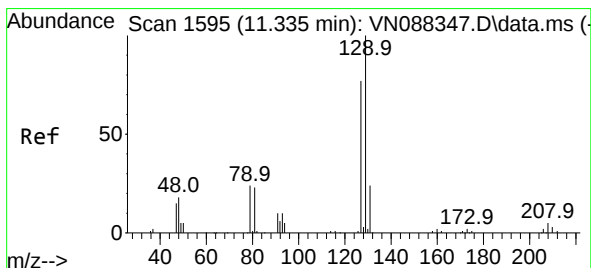
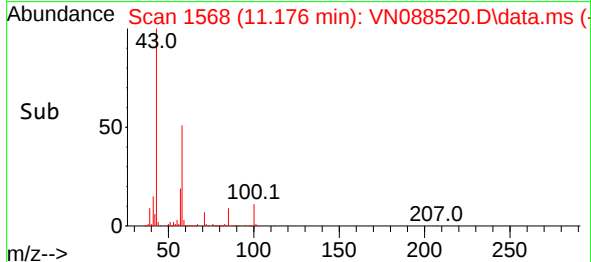
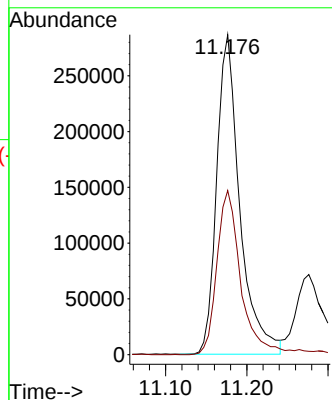
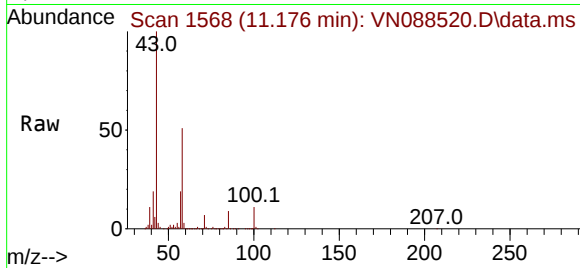




#59  
2-Hexanone  
Concen: 97.070 ug/l  
RT: 11.176 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

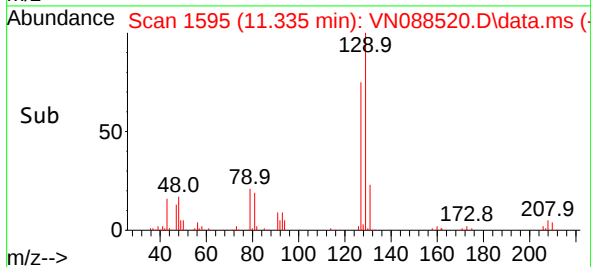
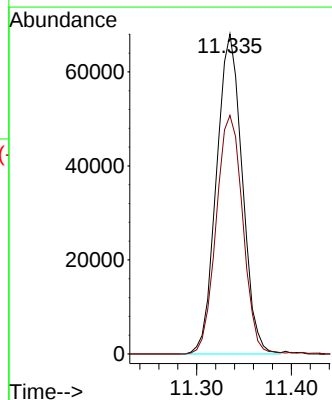
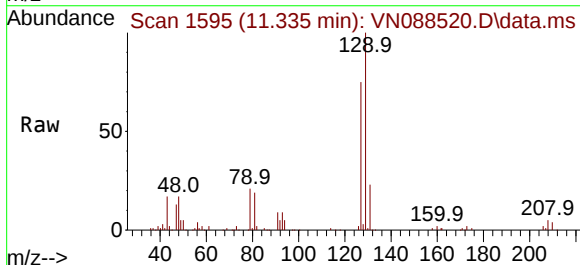
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

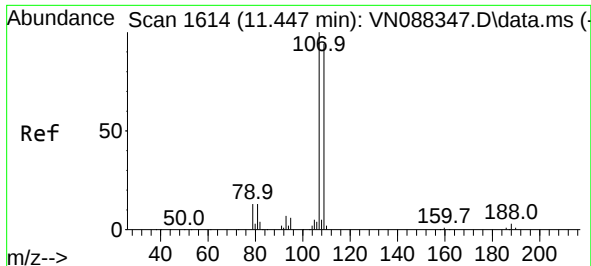
Tgt Ion: 43 Resp: 566752  
Ion Ratio Lower Upper  
43 100  
58 54.6 25.3 75.9



#60  
Dibromochloromethane  
Concen: 21.998 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 129 Resp: 128700  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.2 114.6

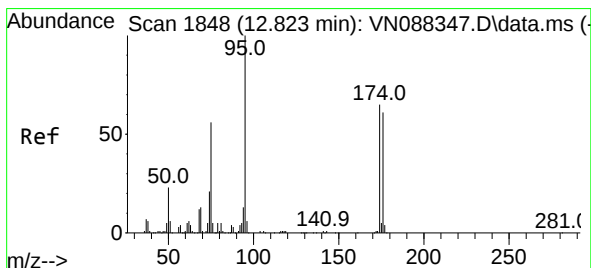
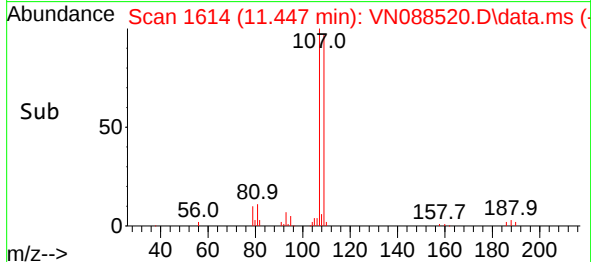
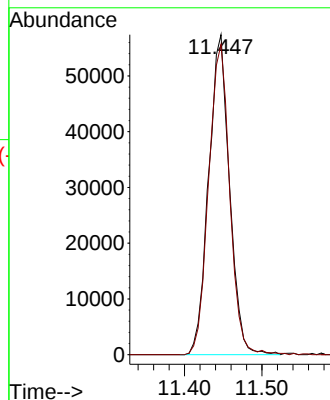
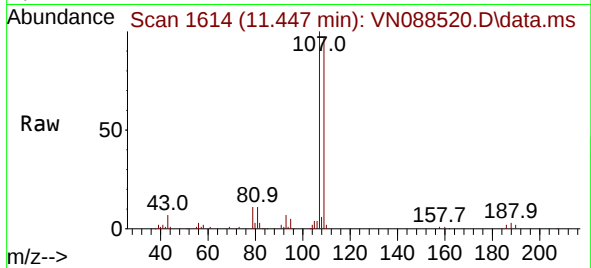




#61  
1,2-Dibromoethane  
Concen: 20.668 ug/l  
RT: 11.447 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

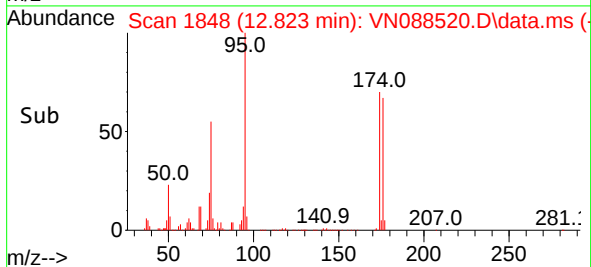
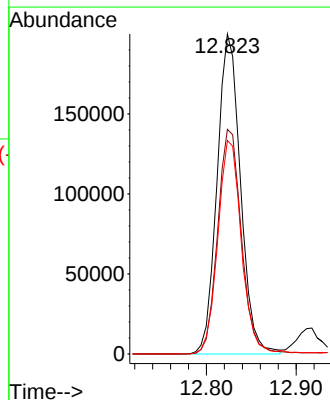
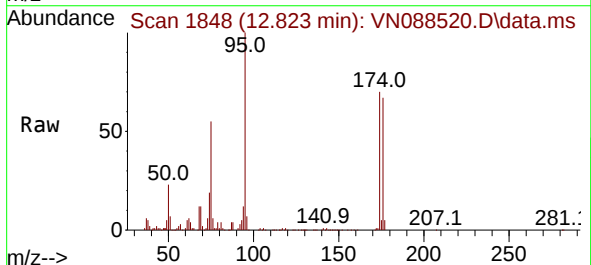
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

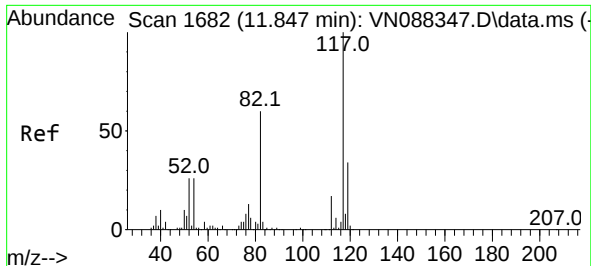
Tgt Ion:107 Resp: 107408  
Ion Ratio Lower Upper  
107 100  
109 97.8 74.6 112.0



#62  
4-Bromofluorobenzene  
Concen: 55.917 ug/l  
RT: 12.823 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 95 Resp: 362040  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 139.0  
176 68.1 0.0 132.4

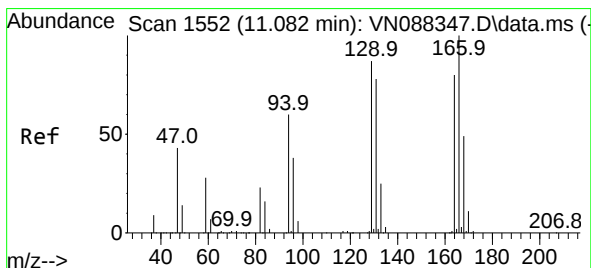
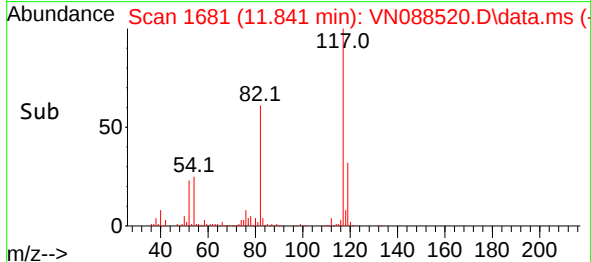
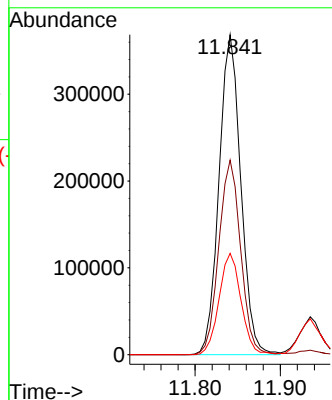
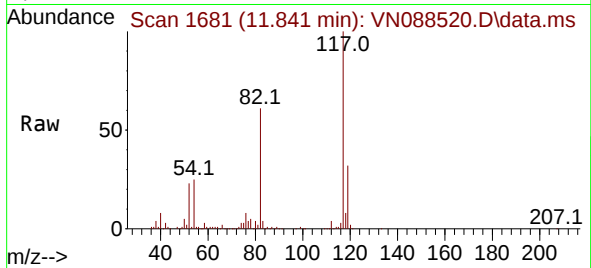




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

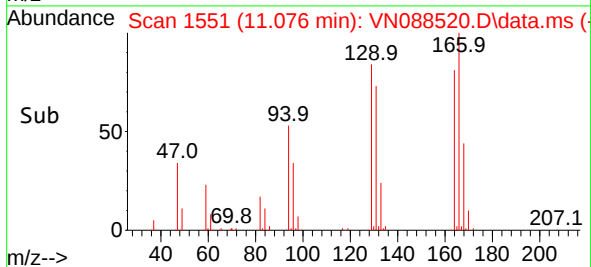
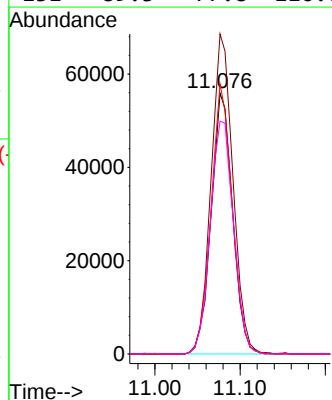
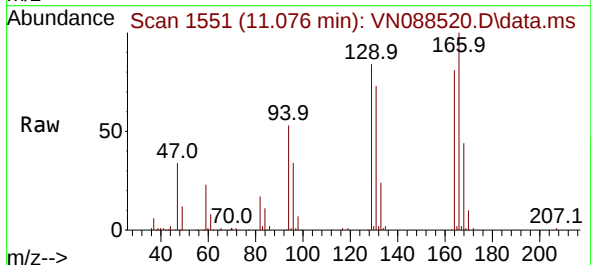
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

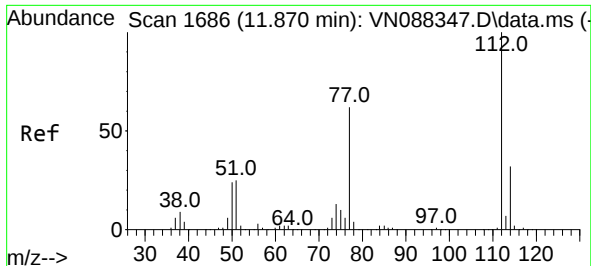
Tgt Ion:117 Resp: 655406  
Ion Ratio Lower Upper  
117 100  
82 60.8 47.8 71.8  
119 31.7 26.9 40.3



#64  
Tetrachloroethene  
Concen: 18.742 ug/l  
RT: 11.076 min Scan# 1551  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion:164 Resp: 97382  
Ion Ratio Lower Upper  
164 100  
166 122.8 99.6 149.4  
129 103.5 86.6 129.8  
131 89.3 77.8 116.6

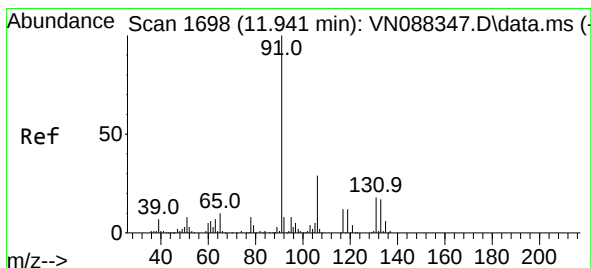
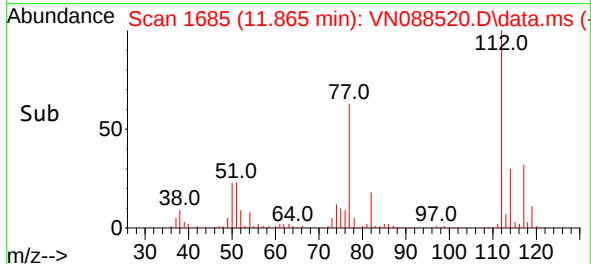
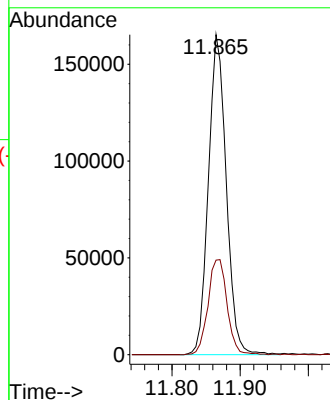
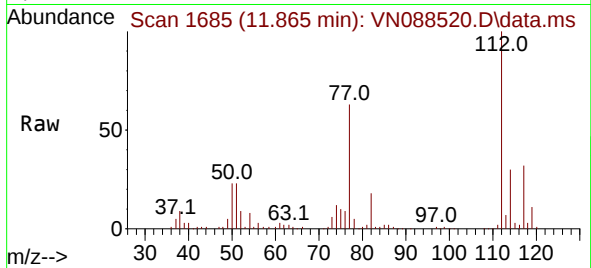




#65  
Chlorobenzene  
Concen: 20.475 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

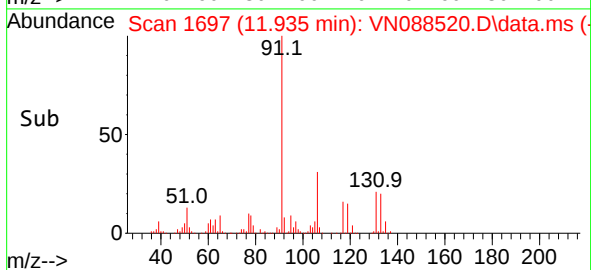
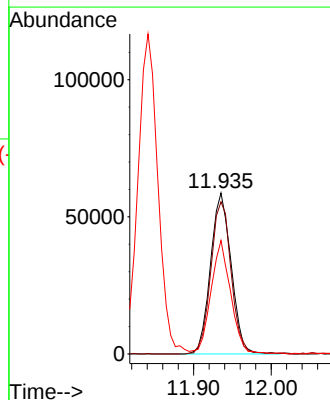
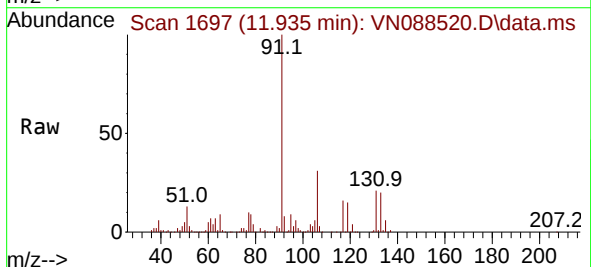
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

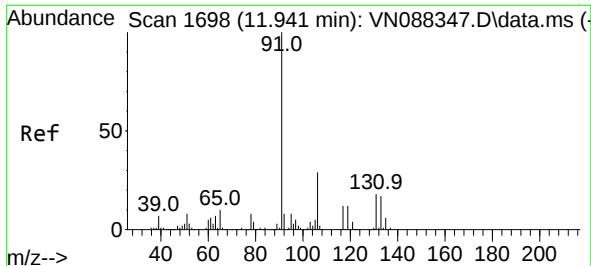
Tgt Ion:112 Resp: 301422  
Ion Ratio Lower Upper  
112 100  
114 29.5 25.4 38.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.814 ug/l  
RT: 11.935 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion:131 Resp: 108311  
Ion Ratio Lower Upper  
131 100  
133 93.8 47.4 142.2  
119 66.6 33.4 100.1

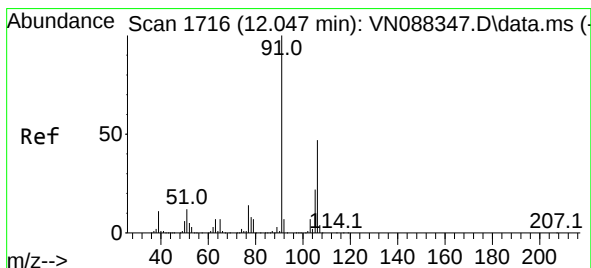
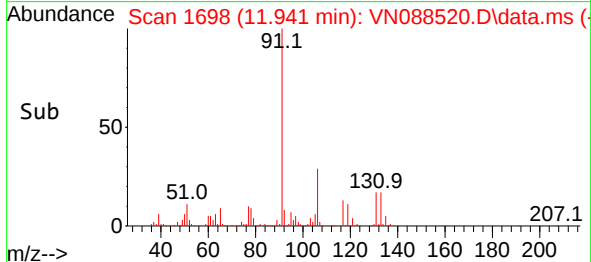
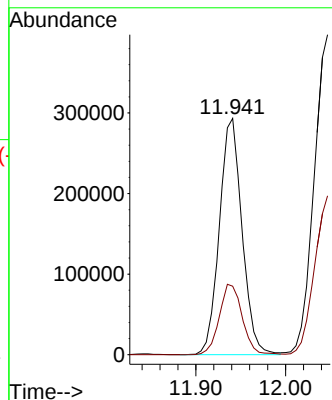
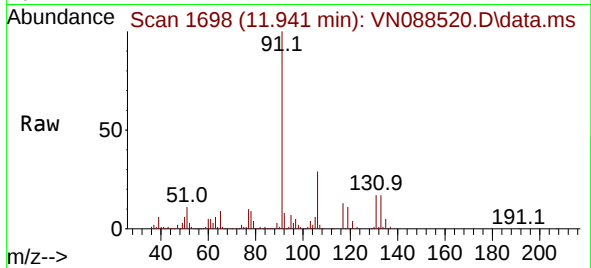




#67  
Ethyl Benzene  
Concen: 20.001 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

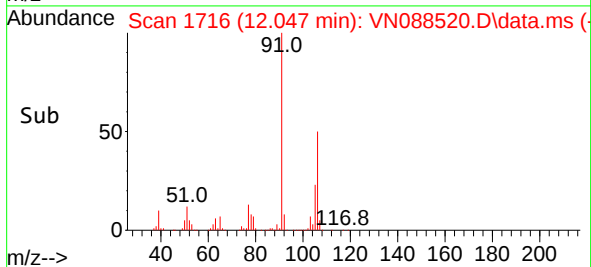
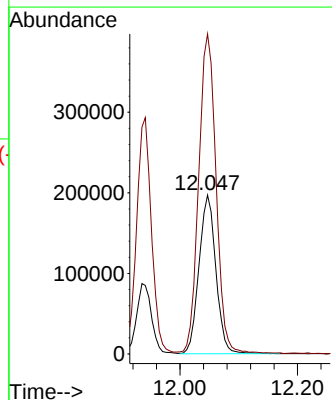
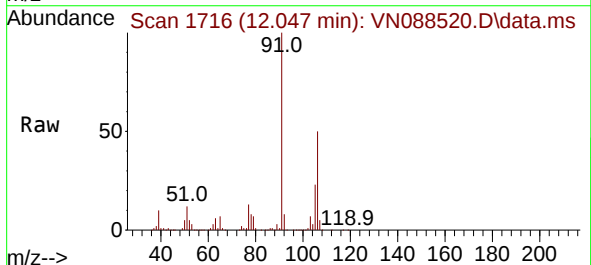
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

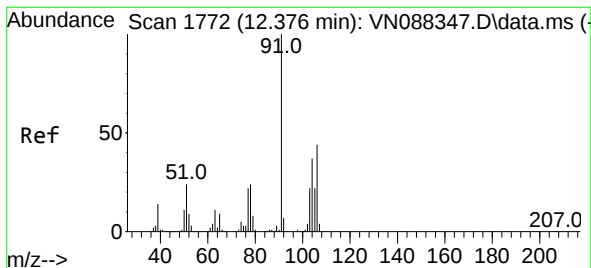
Tgt Ion: 91 Resp: 514637  
Ion Ratio Lower Upper  
91 100  
106 29.0 23.6 35.4



#68  
m/p-Xylenes  
Concen: 41.126 ug/l  
RT: 12.047 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 106 Resp: 392342  
Ion Ratio Lower Upper  
106 100  
91 207.2 167.8 251.6

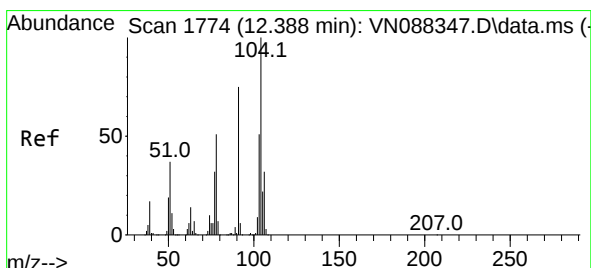
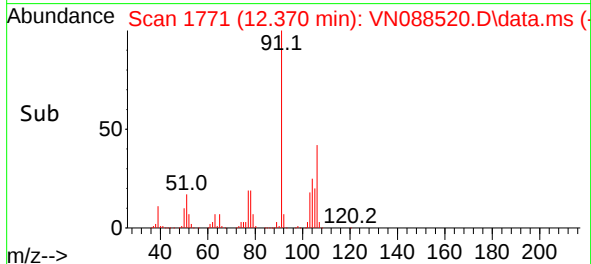
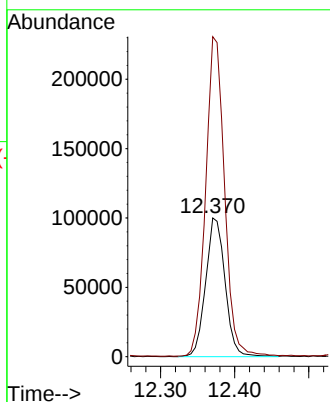
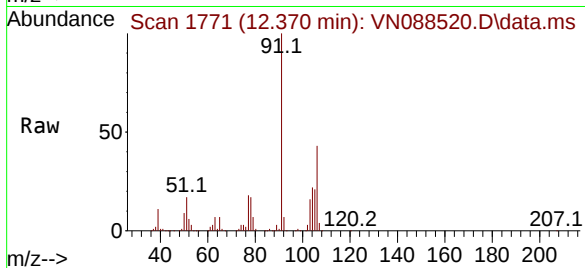




#69  
o-Xylene  
Concen: 20.014 ug/l  
RT: 12.370 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

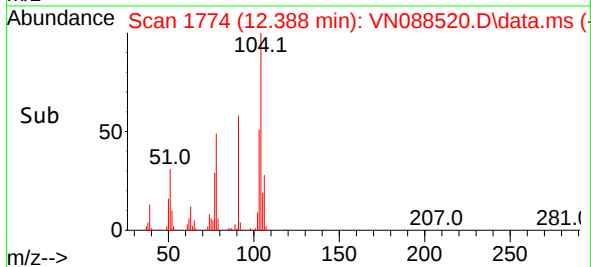
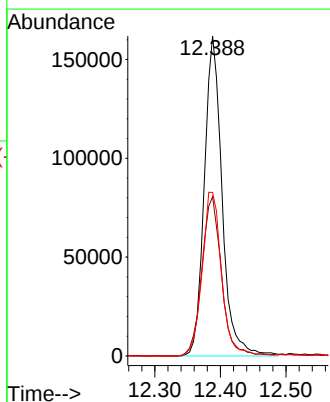
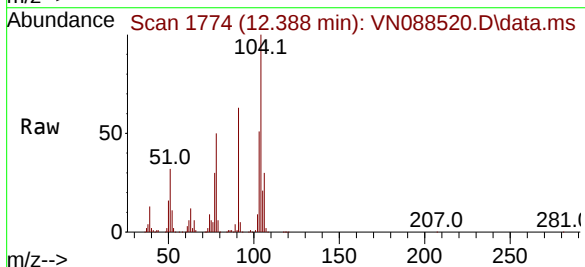
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

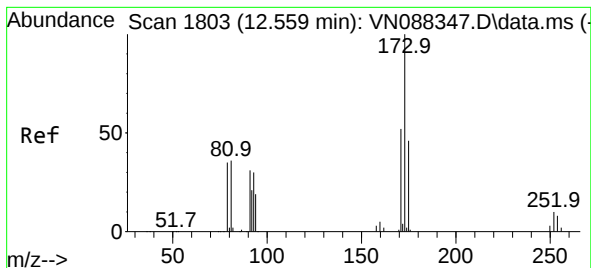
Tgt Ion:106 Resp: 182027  
Ion Ratio Lower Upper  
106 100  
91 224.1 112.9 338.7



#70  
Styrene  
Concen: 20.767 ug/l  
RT: 12.388 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion:104 Resp: 306682  
Ion Ratio Lower Upper  
104 100  
78 54.9 44.3 66.5  
103 55.8 44.2 66.4





#71

Bromoform

Concen: 22.008 ug/l

RT: 12.553 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

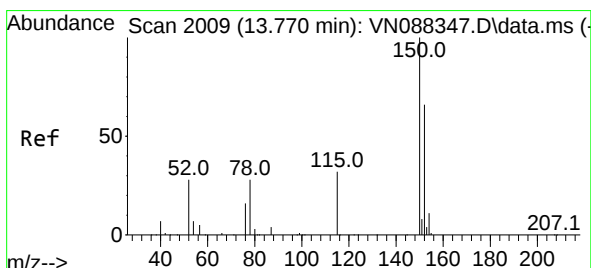
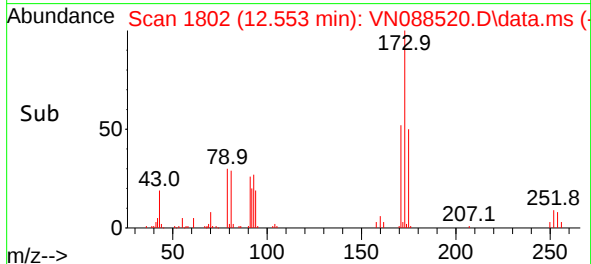
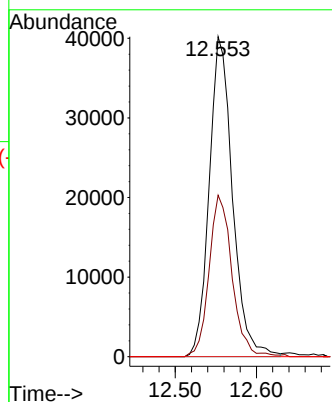
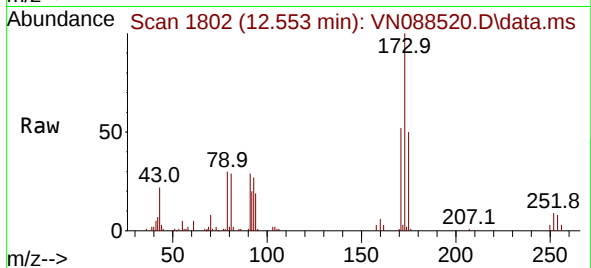
Tgt Ion:173 Resp: 80040

Ion Ratio Lower Upper

173 100

175 49.9 23.9 71.8

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.764 min Scan# 2008

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

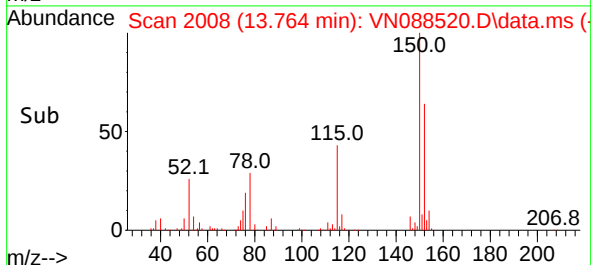
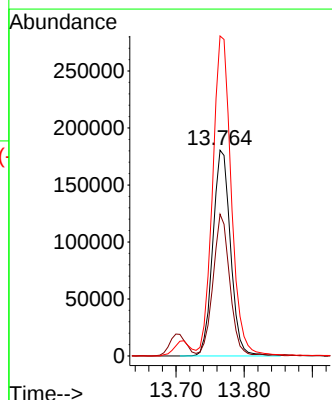
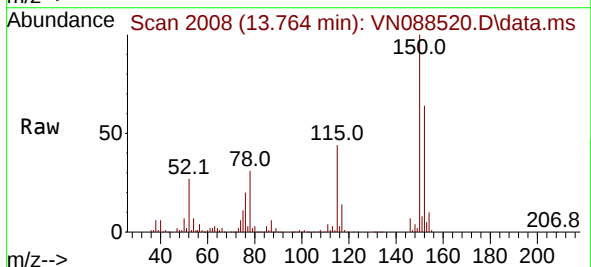
Tgt Ion:152 Resp: 326382

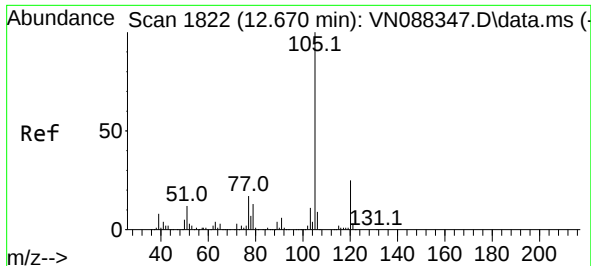
Ion Ratio Lower Upper

152 100

115 64.3 33.0 98.9

150 163.5 0.0 349.0

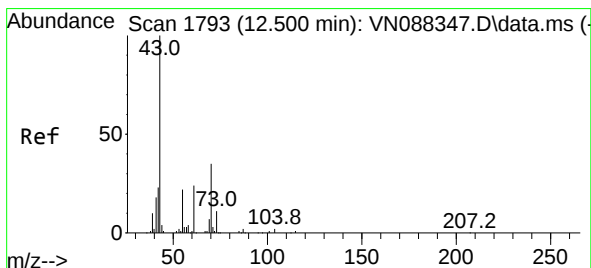
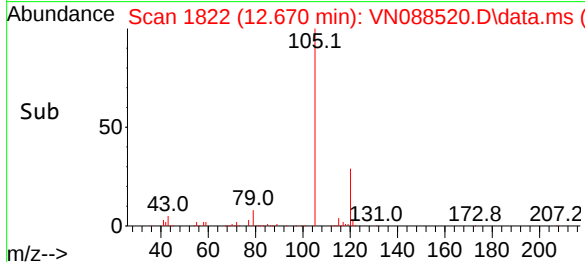
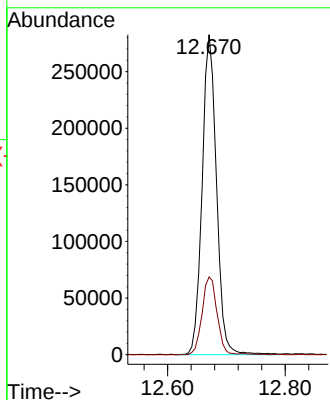
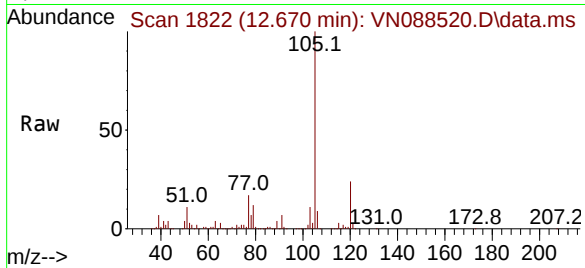




#73  
Isopropylbenzene  
Concen: 19.866 ug/l  
RT: 12.670 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

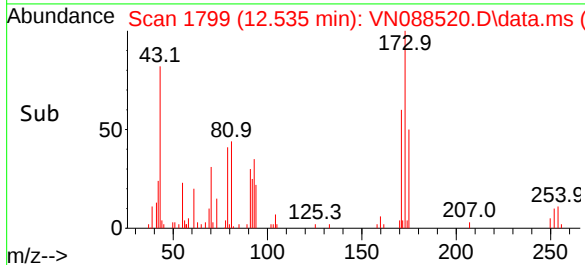
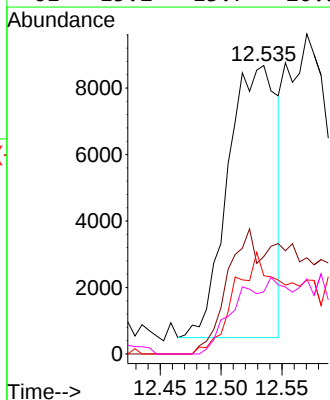
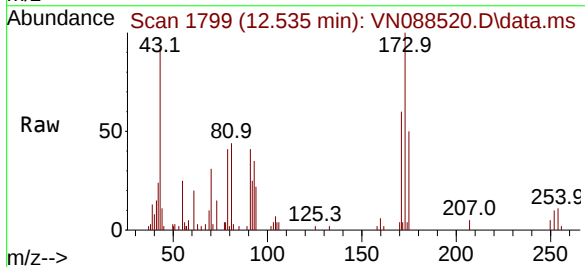
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

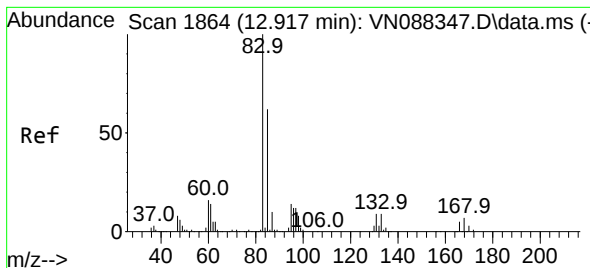
Tgt Ion:105 Resp: 479399  
Ion Ratio Lower Upper  
105 100  
120 25.4 12.8 38.3



#74  
N-ethyl acetate  
Concen: 2.782 ug/l  
RT: 12.535 min Scan# 1799  
Delta R.T. 0.035 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 43 Resp: 22861  
Ion Ratio Lower Upper  
43 100  
70 32.3 28.3 42.5  
55 39.7 17.7 26.5#  
61 15.2 13.7 20.5

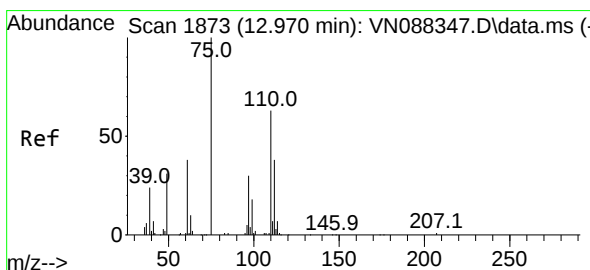
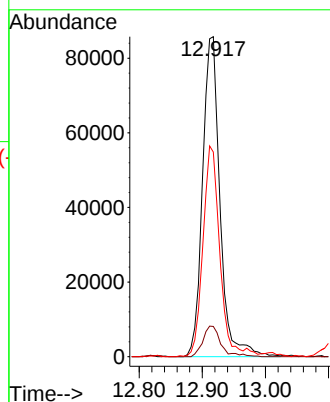
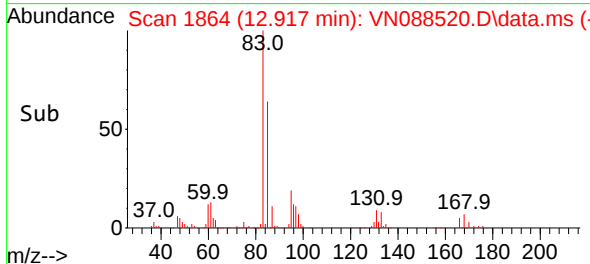
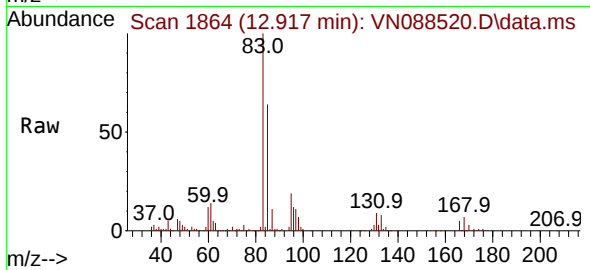




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.091 ug/l  
RT: 12.917 min Scan# 1864  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

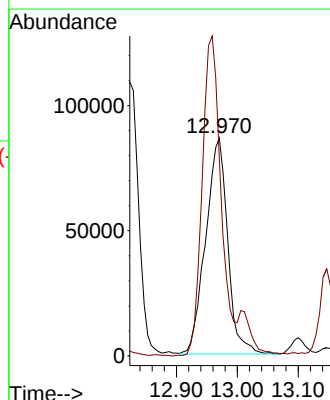
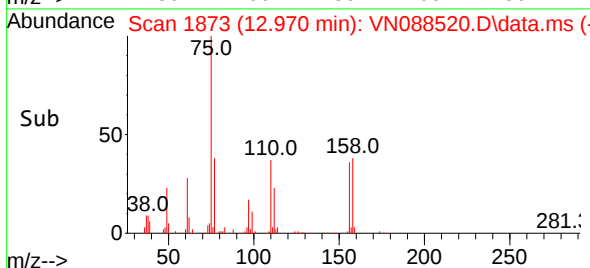
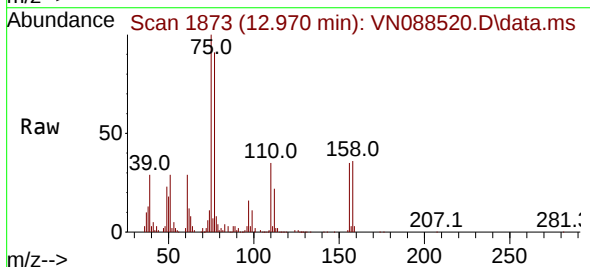
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

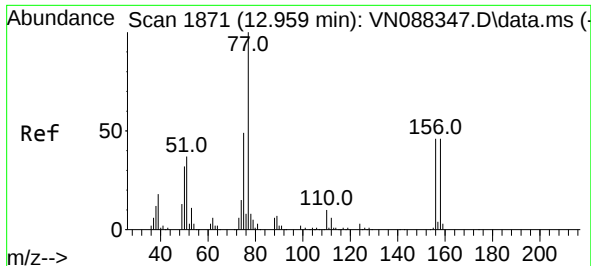
Tgt Ion: 83 Resp: 164541  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.8 14.4  
85 62.7 32.1 96.5



#76  
1,2,3-Trichloropropane  
Concen: 28.340 ug/l  
RT: 12.970 min Scan# 1873  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 75 Resp: 216646  
Ion Ratio Lower Upper  
75 100  
77 127.0 87.2 261.6

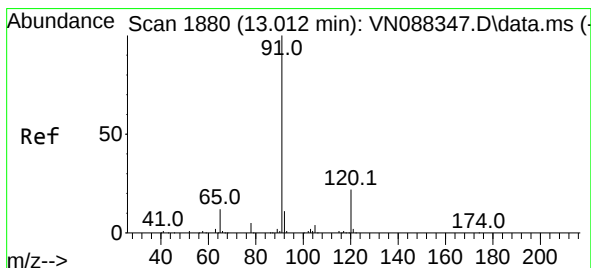
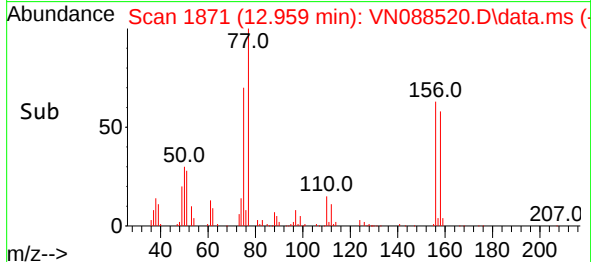
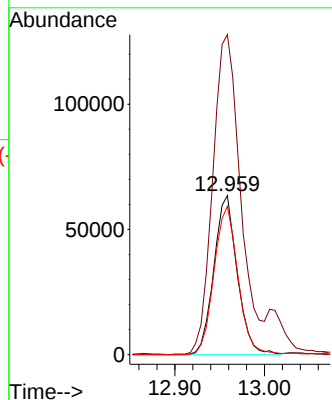
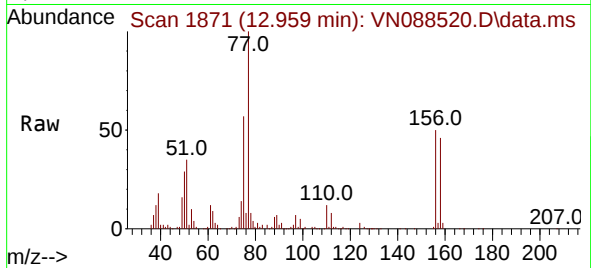




#77  
Bromobenzene  
Concen: 20.816 ug/l  
RT: 12.959 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

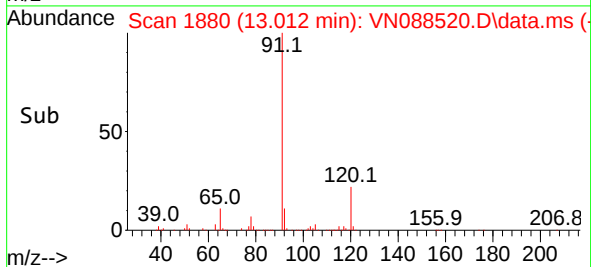
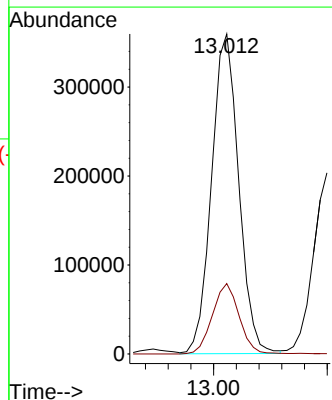
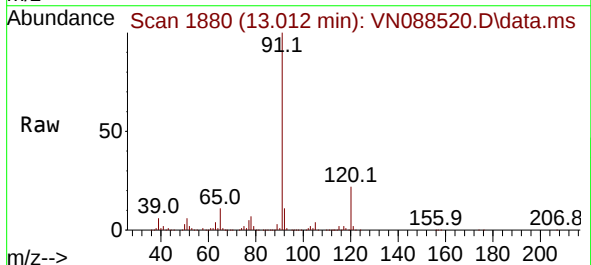
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

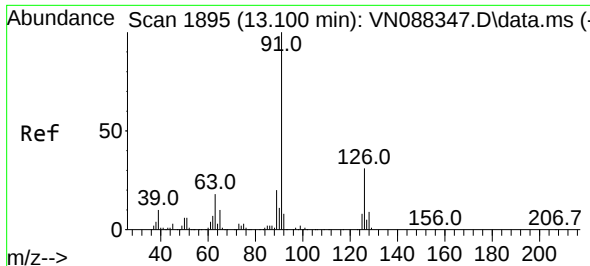
Tgt Ion:156 Resp: 114936  
Ion Ratio Lower Upper  
156 100  
77 239.4 121.6 364.7  
158 95.6 48.6 145.8



#78  
n-propylbenzene  
Concen: 20.166 ug/l  
RT: 13.012 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 91 Resp: 595343  
Ion Ratio Lower Upper  
91 100  
120 21.7 10.9 32.6

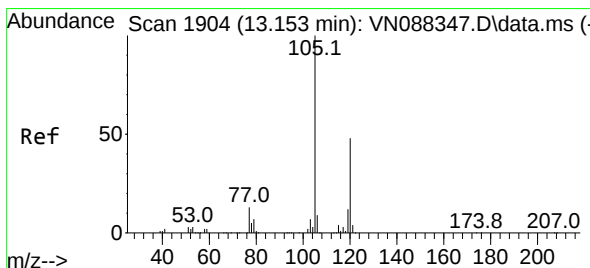
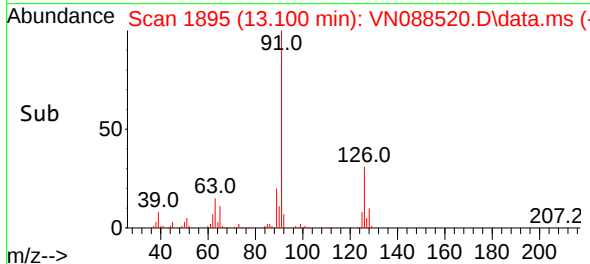
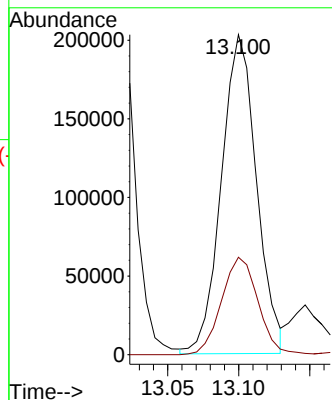
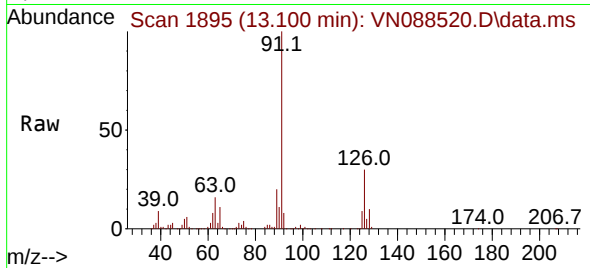




#79  
2-Chlorotoluene  
Concen: 19.374 ug/l  
RT: 13.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

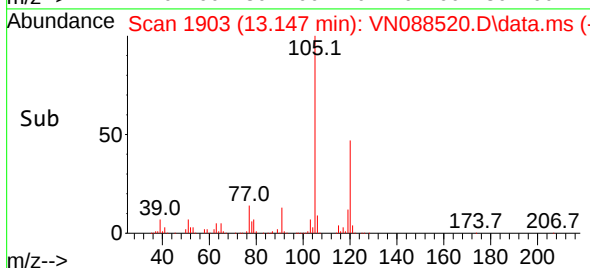
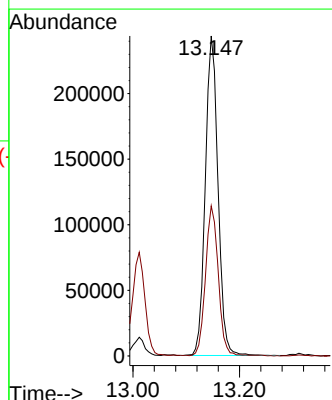
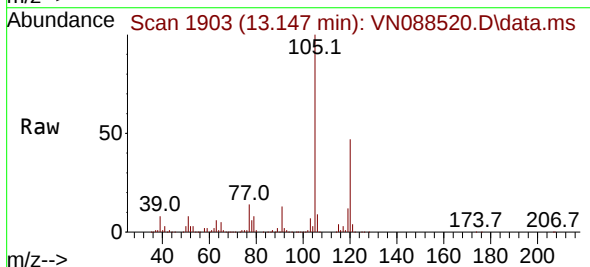
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

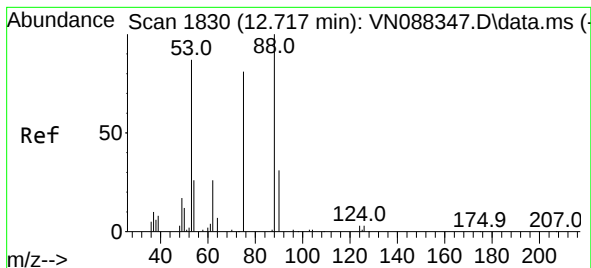
Tgt Ion: 91 Resp: 349294  
Ion Ratio Lower Upper  
91 100  
126 31.7 15.3 45.9



#80  
1,3,5-Trimethylbenzene  
Concen: 20.130 ug/l  
RT: 13.147 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion:105 Resp: 402543  
Ion Ratio Lower Upper  
105 100  
120 46.8 23.8 71.5

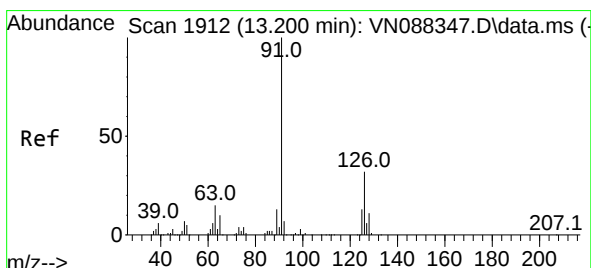
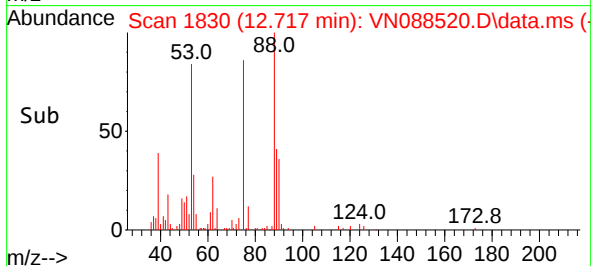
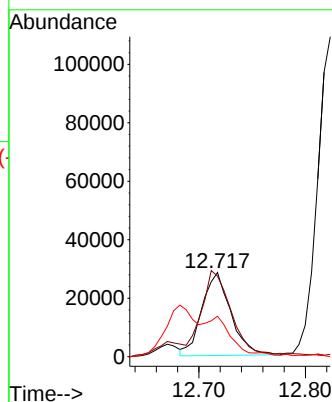
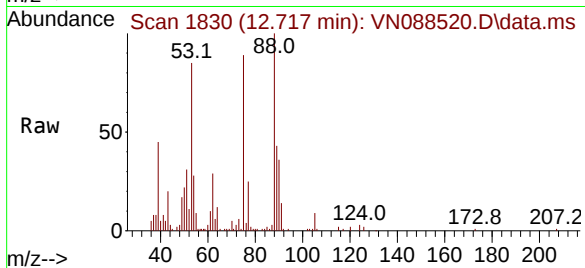




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.922 ug/l  
RT: 12.717 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

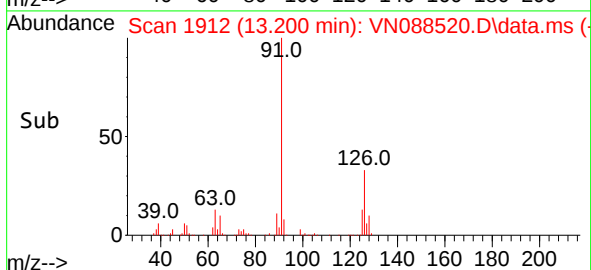
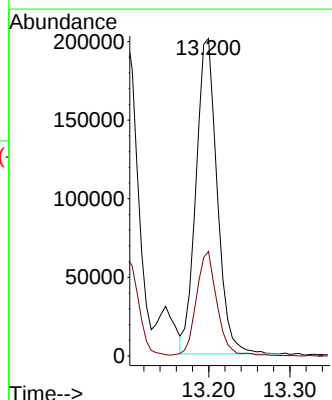
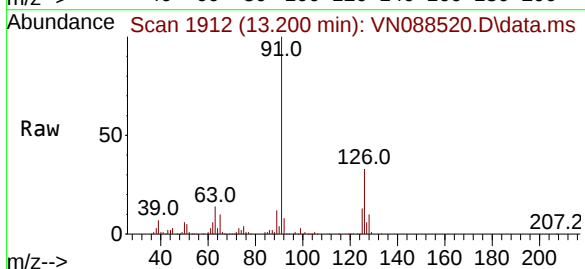
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

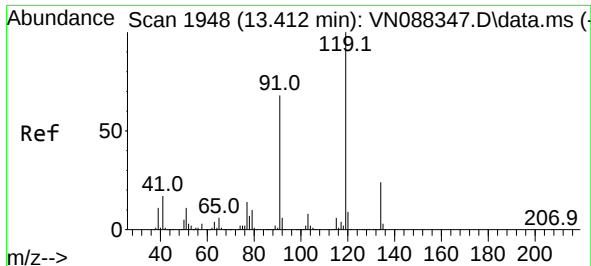
Tgt Ion: 75 Resp: 53683  
Ion Ratio Lower Upper  
75 100  
53 105.7 92.2 138.4  
89 0.0 0.0 0.0



#82  
4-Chlorotoluene  
Concen: 20.318 ug/l  
RT: 13.200 min Scan# 1912  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 91 Resp: 363829  
Ion Ratio Lower Upper  
91 100  
126 32.7 15.6 46.7

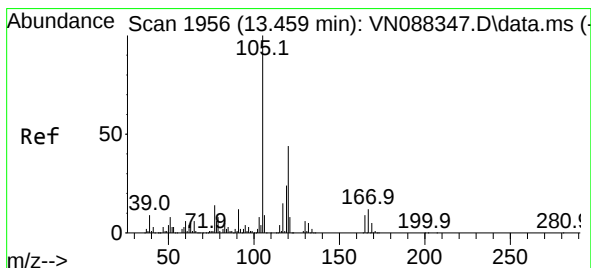
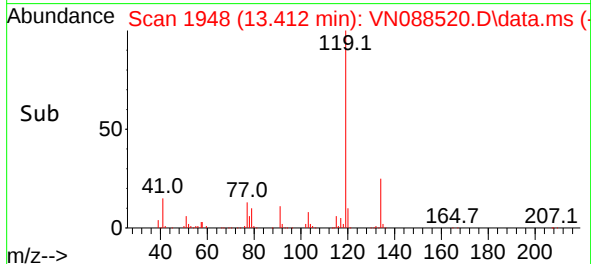
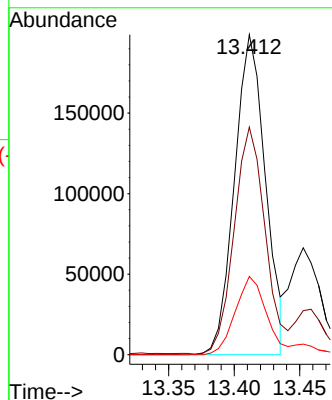
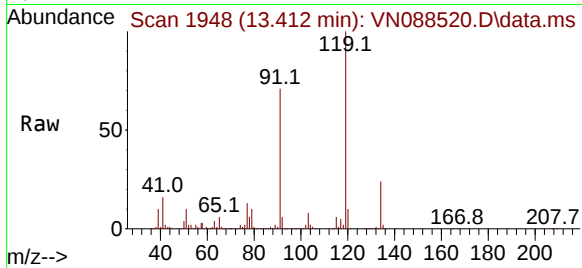




#83  
 tert-Butylbenzene  
 Concen: 19.202 ug/l  
 RT: 13.412 min Scan# 1948  
 Delta R.T. 0.000 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

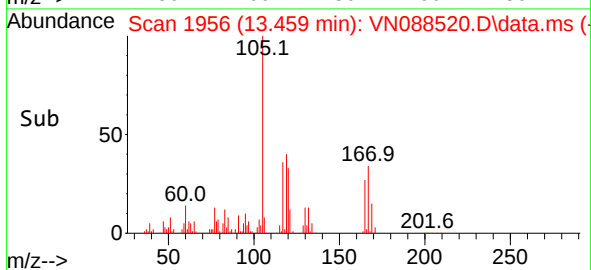
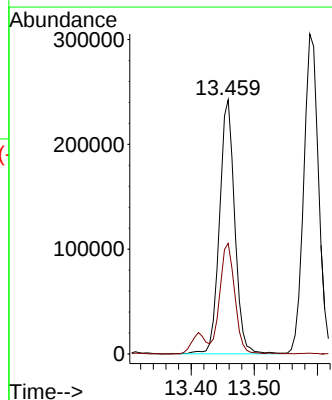
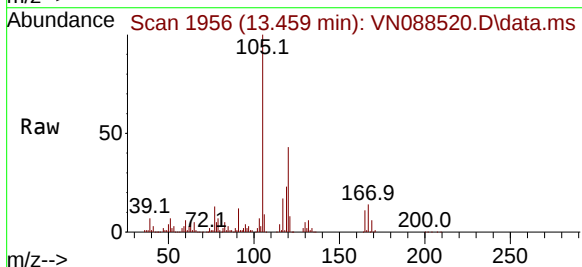
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS02

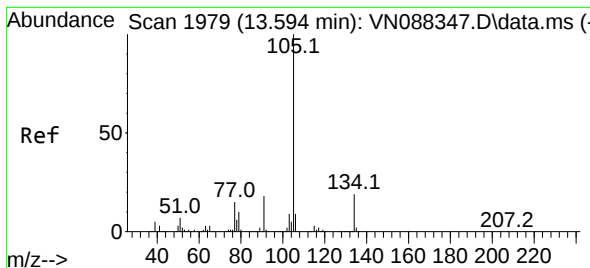
Tgt Ion:119 Resp: 326421  
 Ion Ratio Lower Upper  
 119 100  
 91 71.6 35.1 105.3  
 134 24.4 12.8 38.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.427 ug/l  
 RT: 13.459 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

Tgt Ion:105 Resp: 406014  
 Ion Ratio Lower Upper  
 105 100  
 120 42.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 20.335 ug/l

RT: 13.588 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

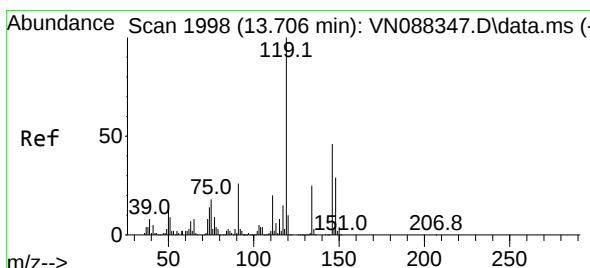
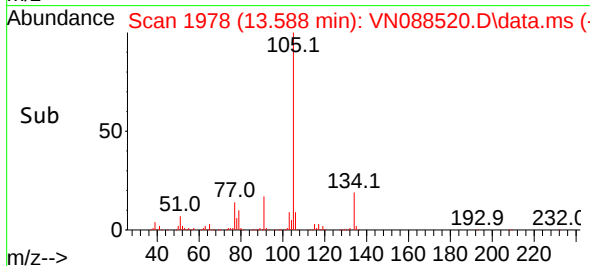
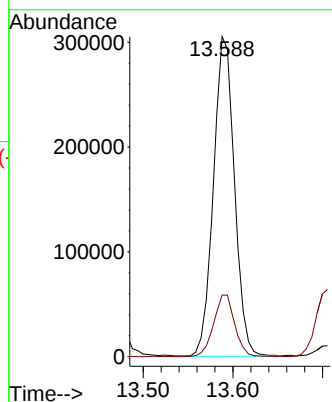
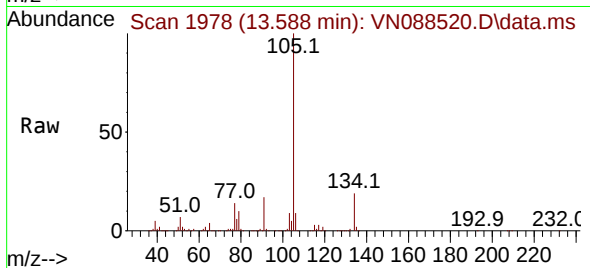
VN1216WBS02

Tgt Ion:105 Resp: 496589

Ion Ratio Lower Upper

105 100

134 19.4 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.034 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

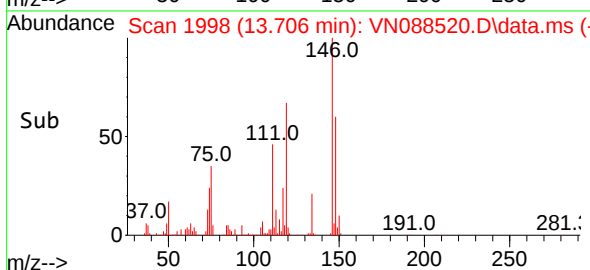
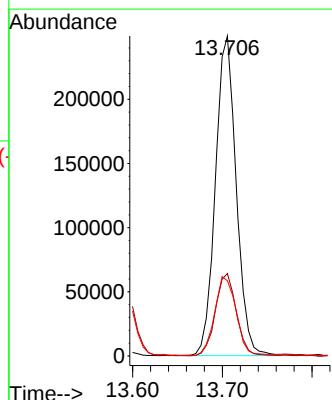
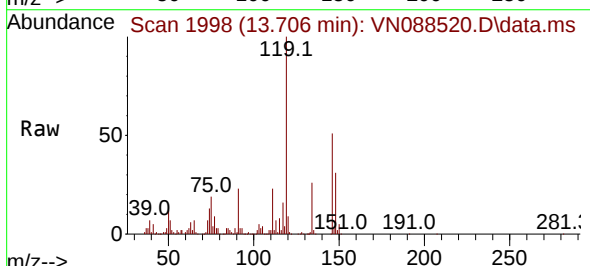
Tgt Ion:119 Resp: 401181

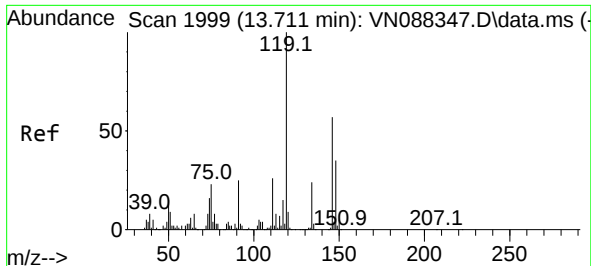
Ion Ratio Lower Upper

119 100

134 26.2 12.2 36.6

91 25.1 13.0 39.0

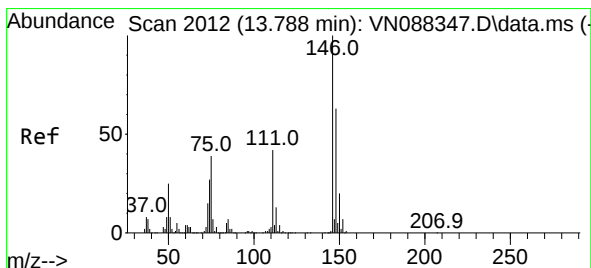
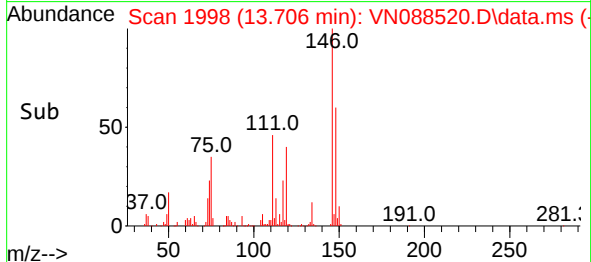
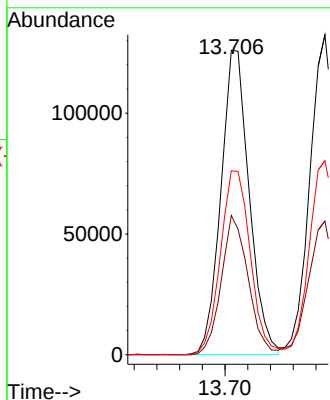
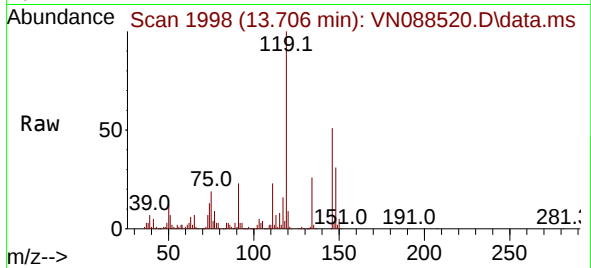




#87  
 1,3-Dichlorobenzene  
 Concen: 20.361 ug/l  
 RT: 13.706 min Scan# 1999  
 Delta R.T. -0.006 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

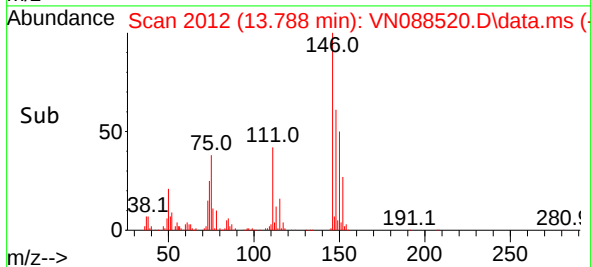
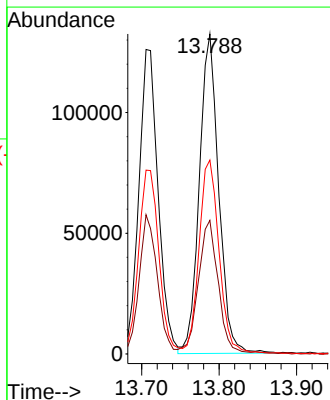
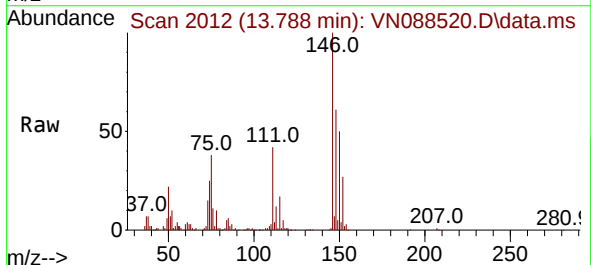
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1216WBS02

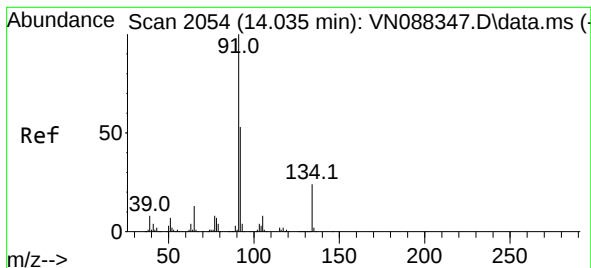
Tgt Ion:146 Resp: 218854  
 Ion Ratio Lower Upper  
 146 100  
 111 43.4 22.4 67.0  
 148 63.8 31.6 94.8



#88  
 1,4-Dichlorobenzene  
 Concen: 20.345 ug/l  
 RT: 13.788 min Scan# 2012  
 Delta R.T. 0.000 min  
 Lab File: VN088520.D  
 Acq: 16 Dec 2025 12:07

Tgt Ion:146 Resp: 229061  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.6 64.6  
 148 62.4 31.0 93.0





#89

n-Butylbenzene

Concen: 19.602 ug/l

RT: 14.029 min Scan# 2053

Delta R.T. -0.006 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

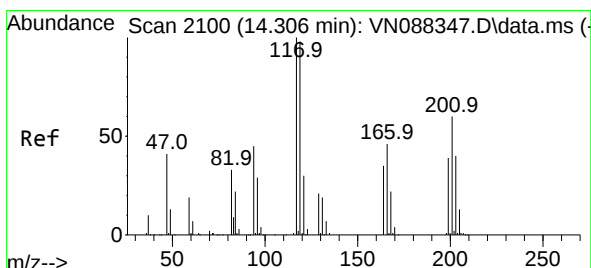
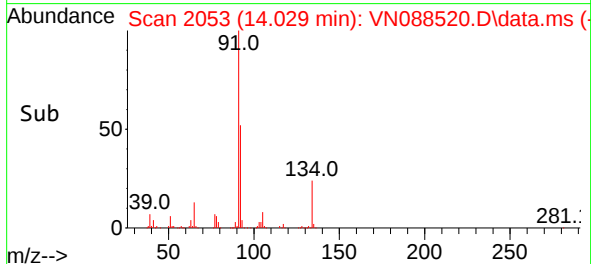
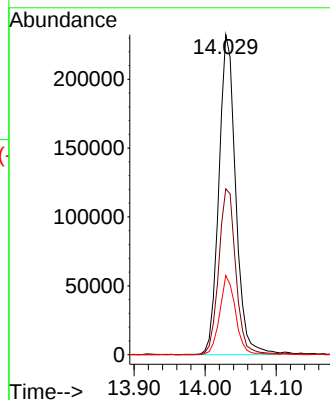
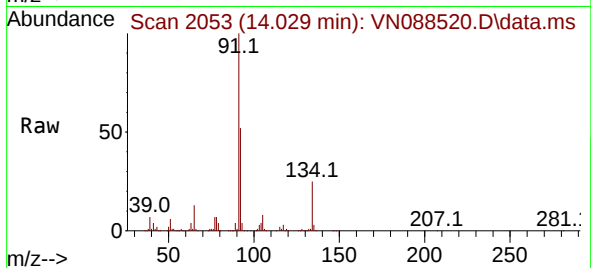
Tgt Ion: 91 Resp: 381125

Ion Ratio Lower Upper

91 100

92 52.8 26.1 78.3

134 23.5 11.7 35.1



#90

Hexachloroethane

Concen: 19.851 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. 0.000 min

Lab File: VN088520.D

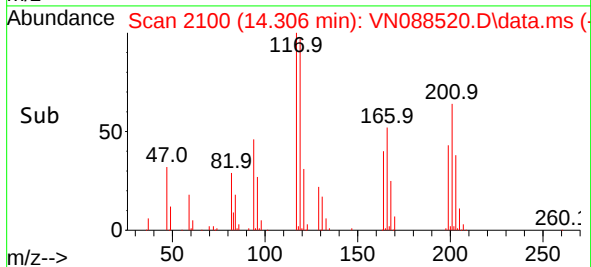
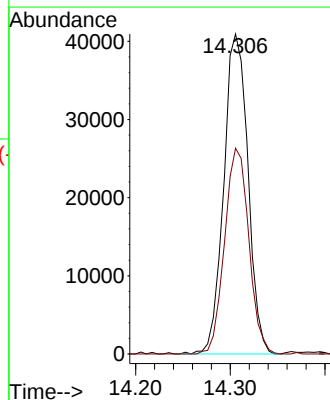
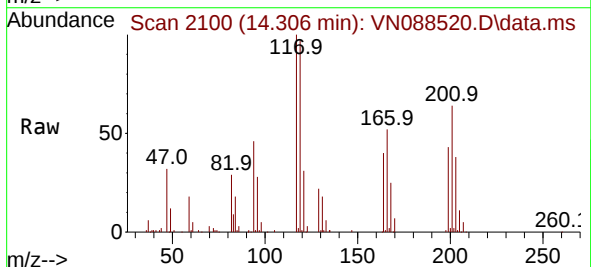
Acq: 16 Dec 2025 12:07

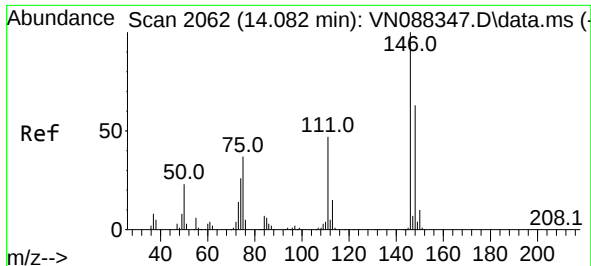
Tgt Ion: 117 Resp: 72620

Ion Ratio Lower Upper

117 100

201 64.4 30.3 90.9

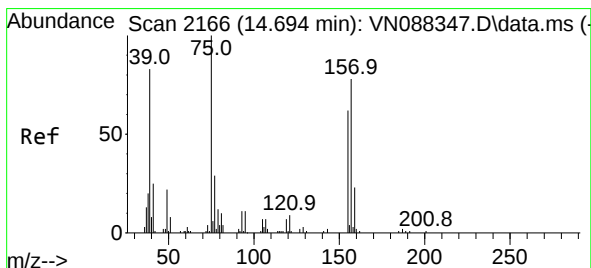
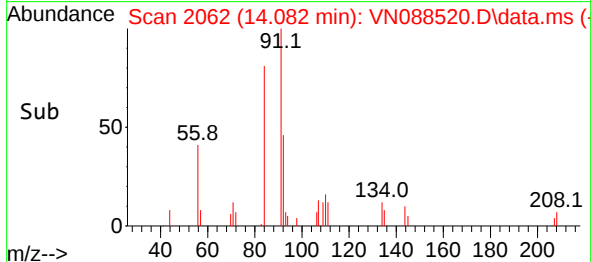
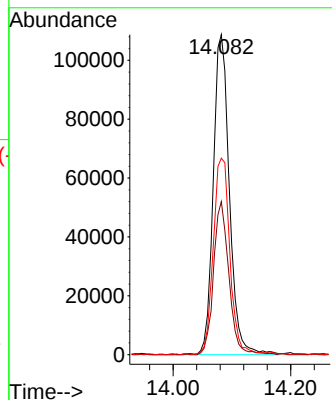
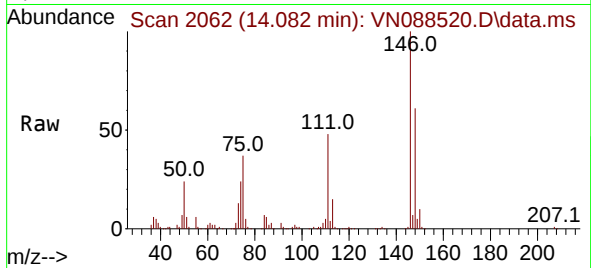




#91  
1,2-Dichlorobenzene  
Concen: 20.478 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

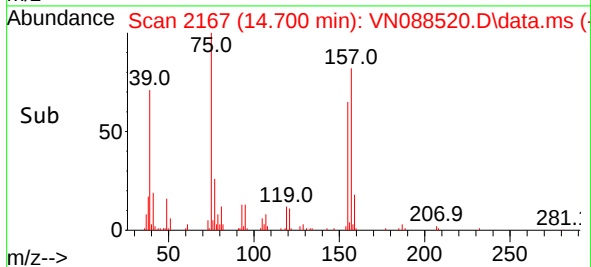
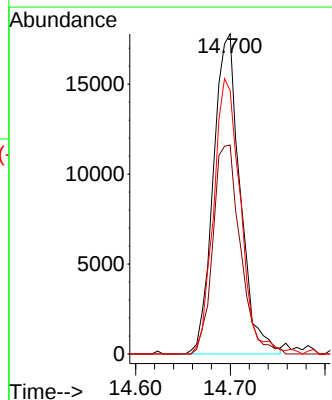
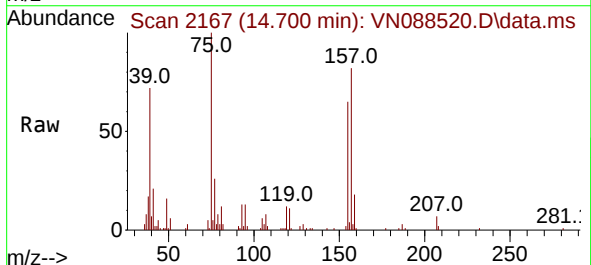
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

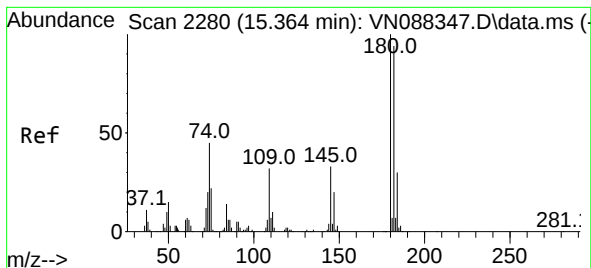
Tgt Ion:146 Resp: 207129  
Ion Ratio Lower Upper  
146 100  
111 45.5 23.3 69.9  
148 62.8 31.8 95.4



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.555 ug/l  
RT: 14.700 min Scan# 2167  
Delta R.T. 0.006 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Tgt Ion: 75 Resp: 35121  
Ion Ratio Lower Upper  
75 100  
155 66.7 33.7 101.1  
157 86.2 43.8 131.3





#93

1,2,4-Trichlorobenzene

Concen: 19.550 ug/l

RT: 15.364 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

Instrument :

MSVOA\_N

ClientSampleId :

VN1216WBS02

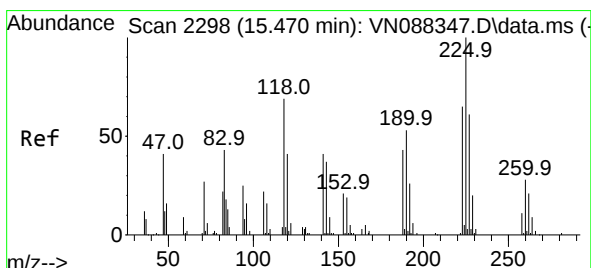
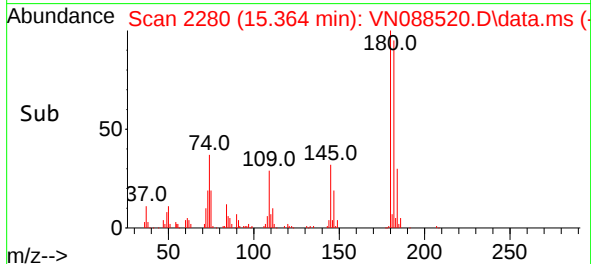
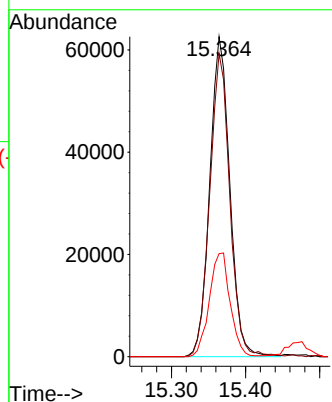
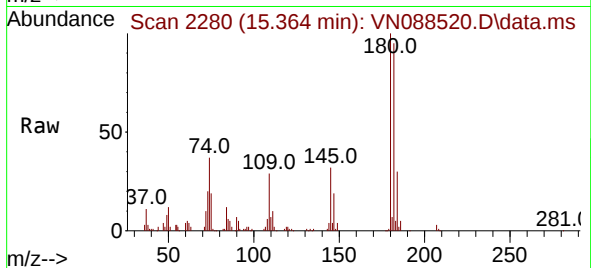
Tgt Ion:180 Resp: 117494

Ion Ratio Lower Upper

180 100

182 94.6 46.1 138.2

145 33.8 16.7 50.1



#94

Hexachlorobutadiene

Concen: 24.267 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VN088520.D

Acq: 16 Dec 2025 12:07

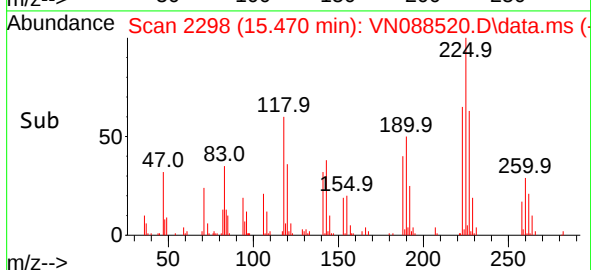
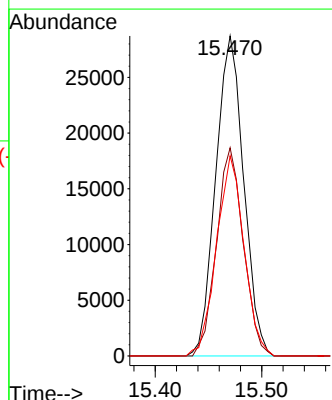
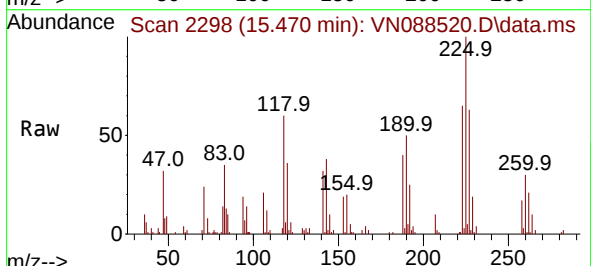
Tgt Ion:225 Resp: 52408

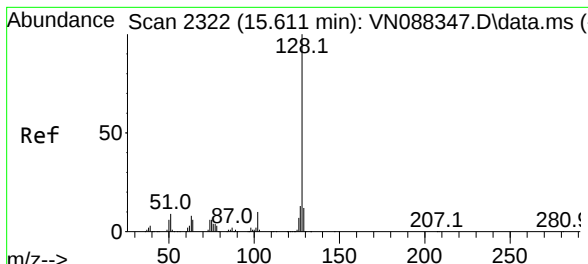
Ion Ratio Lower Upper

225 100

223 62.2 32.3 96.8

227 61.4 29.9 89.8

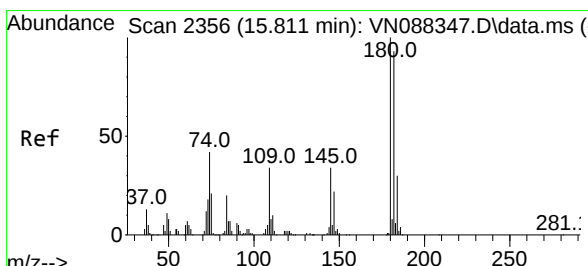
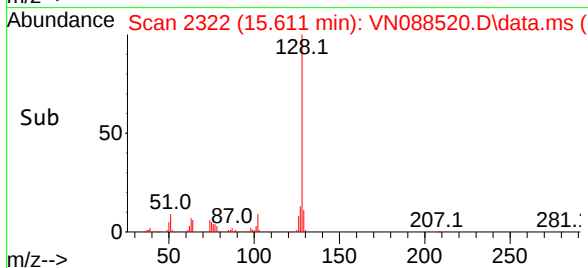
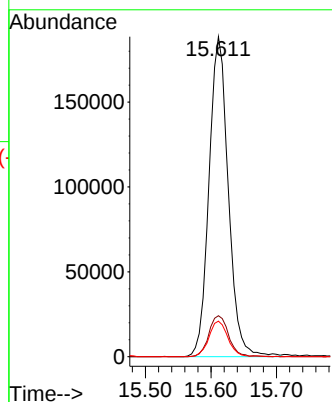
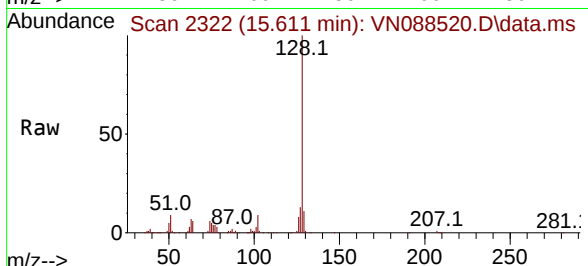




#95  
Naphthalene  
Concen: 18.524 ug/l  
RT: 15.611 min Scan# 2322  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1216WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 385778 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.1  | 10.4  | 15.6   |
| 129       | 10.9  | 9.0   | 13.6   |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.622 ug/l  
RT: 15.811 min Scan# 2356  
Delta R.T. 0.000 min  
Lab File: VN088520.D  
Acq: 16 Dec 2025 12:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 114768 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.8  | 45.9  | 137.7  |
| 145       | 34.9  | 17.8  | 53.4   |

