

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112025\  
 Data File : VN088319.D  
 Acq On : 20 Nov 2025 10:22  
 Operator : JC\MD  
 Sample : VN1120WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Nov 21 02:56:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N11325W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.794          | 128  | 57168      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.082          | 114  | 285463     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.841         | 117  | 261605     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559          | 65   | 147762     | 28.296   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 94.333%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.823         | 95   | 129366     | 29.253   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 97.500%  |        |          |
| 63) Toluene-d8               | 10.541         | 98   | 380124     | 30.691   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 102.300% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 76773      | 19.104   | ug/l   | 95       |
| 3) Chloromethane             | 2.383          | 50   | 80163      | 19.347   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.536          | 62   | 85076      | 19.419   | ug/l   | 98       |
| 5) Bromomethane              | 2.983          | 94   | 47190      | 20.201   | ug/l   | 97       |
| 6) Chloroethane              | 3.142          | 64   | 51896      | 19.164   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 120386     | 19.600   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 43709      | 19.039   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 65229      | 20.243   | ug/l   | 99       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 61324      | 19.508   | ug/l   | 84       |
| 11) Methyl Iodide            | 4.583          | 142  | 59628      | 17.824   | ug/l   | 88       |
| 12) Methyl Acetate           | 5.018          | 43   | 100424     | 19.802   | ug/l   | 98       |
| 13) Acrolein                 | 4.177          | 56   | 98928      | 132.581  | ug/l   | 95       |
| 14) Acrylonitrile            | 5.712          | 53   | 225510     | 97.857   | ug/l   | 99       |
| 15) Acetone                  | 4.418          | 58   | 63487      | 94.207   | ug/l   | 95       |
| 16) Carbon Disulfide         | 4.712          | 76   | 201244     | 18.981   | ug/l   | 98       |
| 17) Allyl chloride           | 5.018          | 41   | 108063     | 17.690   | ug/l   | 98       |
| 18) Methylene Chloride       | 5.265          | 84   | 44889      | 11.488   | ug/l   | 86       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 69304      | 18.932   | ug/l   | 87       |
| 20) Diisopropyl ether        | 6.659          | 45   | 251960     | 19.302   | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 142469     | 19.372   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 81653      | 19.192   | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 68882      | 81.289   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 241923     | 19.087   | ug/l   | 99       |
| 25) Chloroform               | 7.953          | 83   | 143036     | 19.628   | ug/l   | 96       |
| 26) Cyclohexane              | 8.235          | 56   | 113822     | 18.323   | ug/l # | 98       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 94972      | 19.939   | ug/l   | 98       |
| 30) 2-Butanone               | 7.471          | 43   | 312999     | 101.588  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.471          | 77   | 123378     | 21.001   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 122481     | 20.860   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.341          | 117  | 103947     | 20.731   | ug/l   | 98       |
| 34) Benzene                  | 8.588          | 78   | 294559     | 20.689   | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.759          | 41   | 66313      | 20.634   | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 114702     | 20.701   | ug/l   | 100      |
| 37) Trichloroethene          | 9.335          | 130  | 68380      | 21.194   | ug/l   | 94       |
| 38) Methylcyclohexane        | 9.582          | 83   | 106131     | 19.435   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 9.600          | 63   | 78005      | 21.236   | ug/l   | 89       |
| 40) Dibromomethane           | 9.688          | 93   | 56616      | 21.453   | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.871          | 83   | 114051     | 21.468   | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.589          | 43   | 1098774    | 106.850  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN112025\  
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 Acq On : 20 Nov 2025 10:22  
 Operator : JC\MD  
 Sample : VN1120WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

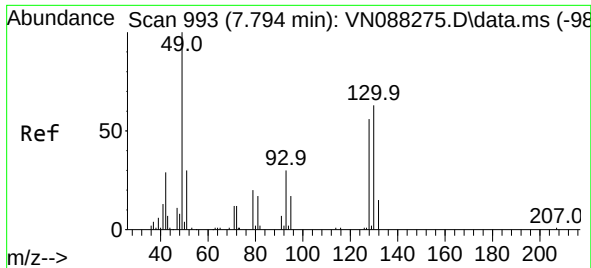
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 14 00:49:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.541  | 43   | 132783   | 21.419  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.671  | 43   | 197773   | 20.701  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 9.677  | 88   | 21463    | 373.062 | ug/l   | 96       |
| 46) Methyl methacrylate       | 9.665  | 41   | 91092    | 20.376  | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.665 | 43   | 1249     | 0.258   | ug/l # | 100      |
| 48) t-1,3-Dichloropropene     | 10.812 | 75   | 115612   | 20.346  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.288 | 75   | 122671   | 20.748  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 71560    | 21.929  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.853 | 69   | 103494   | 19.276  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 124502   | 20.949  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.335 | 129  | 81206    | 21.664  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 71329    | 21.037  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 282197   | 91.244  | ug/l   | 97       |
| 56) Bromoform                 | 12.559 | 173  | 50101    | 21.117  | ug/l   | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43   | 614867   | 103.918 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 399048   | 101.566 | ug/l   | 100      |
| 61) Tetrachloroethene         | 11.082 | 164  | 57183    | 21.201  | ug/l   | 94       |
| 62) Toluene                   | 10.606 | 91   | 308506   | 20.550  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.871 | 112  | 191612   | 20.608  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 66552    | 20.913  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 329608   | 19.921  | ug/l   | 99       |
| 67) m/p-Xylenes               | 12.047 | 106  | 244655   | 39.540  | ug/l   | 97       |
| 68) o-Xylene                  | 12.376 | 106  | 117332   | 20.102  | ug/l   | 95       |
| 69) Styrene                   | 12.388 | 104  | 198890   | 20.062  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 307152   | 19.856  | ug/l   | 97       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 109342   | 21.821  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.970 | 75   | 140792   | 29.004  | ug/l   | 54       |
| 73) Bromobenzene              | 12.959 | 156  | 73392    | 21.016  | ug/l   | 97       |
| 74) n-propylbenzene           | 13.012 | 91   | 386385   | 20.184  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.100 | 91   | 227632   | 19.555  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 260668   | 20.075  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 33658    | 20.190  | ug/l   | 88       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 231642   | 19.637  | ug/l   | 100      |
| 79) tert-butylbenzene         | 13.418 | 119  | 218757   | 19.678  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 258295   | 20.004  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 327046   | 20.170  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 265333   | 19.803  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 141326   | 20.829  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 142695   | 20.767  | ug/l   | 95       |
| 85) n-Butylbenzene            | 14.035 | 91   | 255540   | 20.012  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.312 | 117  | 51486    | 20.070  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 134931   | 21.068  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 23604    | 20.041  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 73575    | 20.472  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 30541    | 21.882  | ug/l   | 99       |
| 91) Naphthalene               | 15.617 | 128  | 253021   | 19.458  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 73575    | 20.472  | ug/l   | 97       |

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

Quant Time: Nov 21 02:56:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N111325W.M  
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QLast Update : Fri Nov 14 00:49:21 2025  
Response via : Initial Calibration

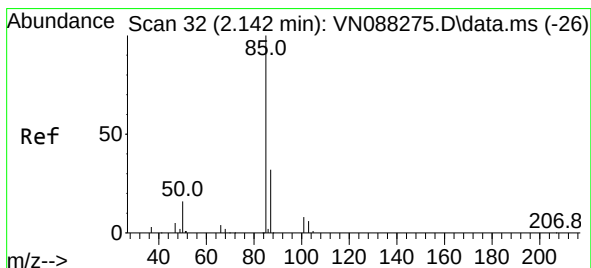
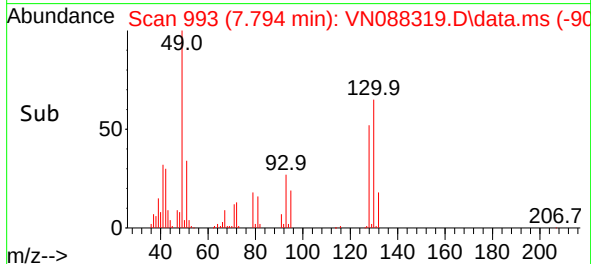
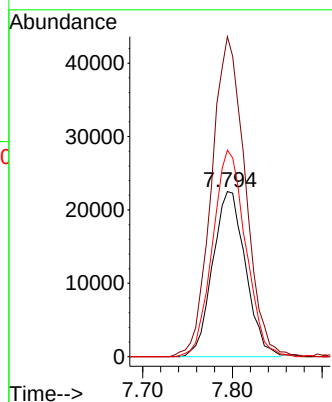
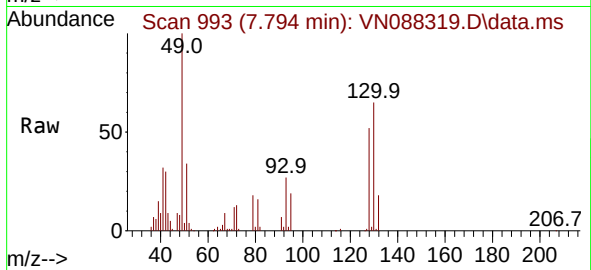




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

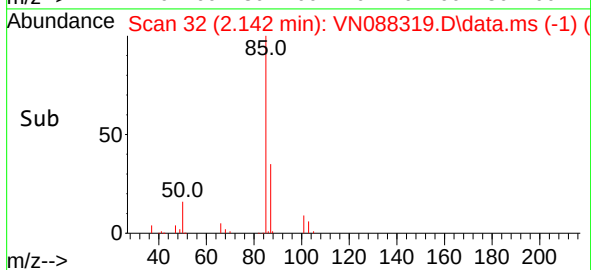
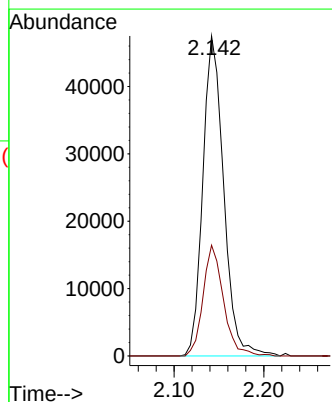
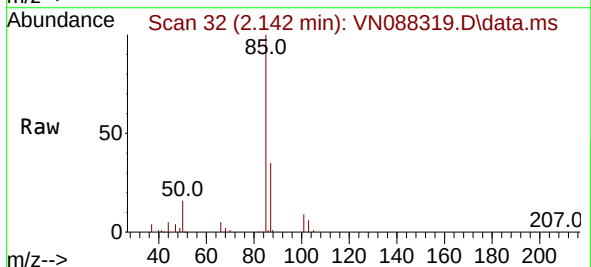
Instrument :  
MSVOA\_N  
ClientSampleId :

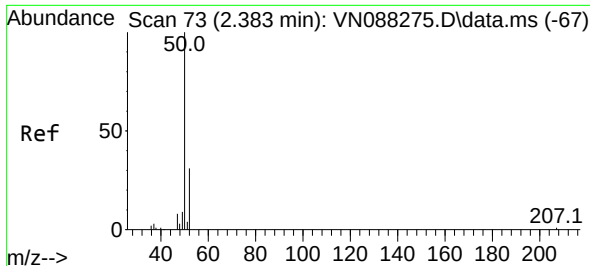
Tgt Ion:128 Resp: 57168  
Ion Ratio Lower Upper  
128 100  
49 199.1 0.0 501.2  
130 126.2 0.0 320.2



#2  
Dichlorodifluoromethane  
Concen: 19.104 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 85 Resp: 76773  
Ion Ratio Lower Upper  
85 100  
87 34.6 16.0 48.0

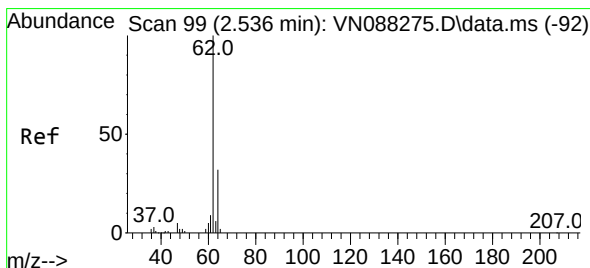
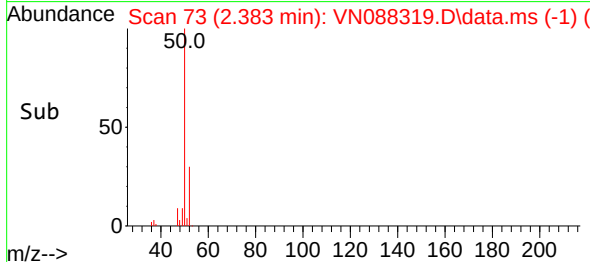
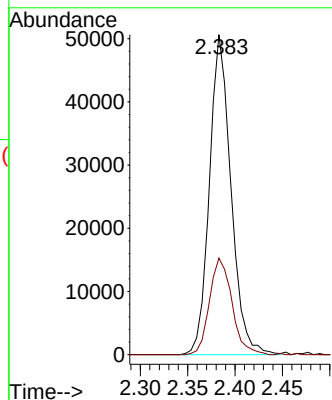
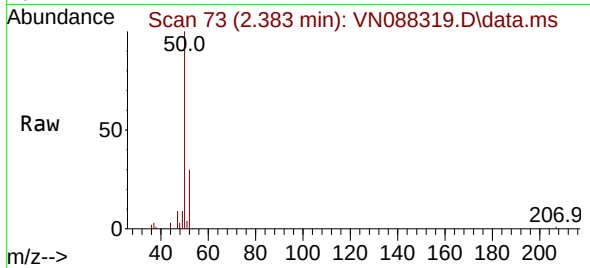




#3  
Chloromethane  
Concen: 19.347 ug/l  
RT: 2.383 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

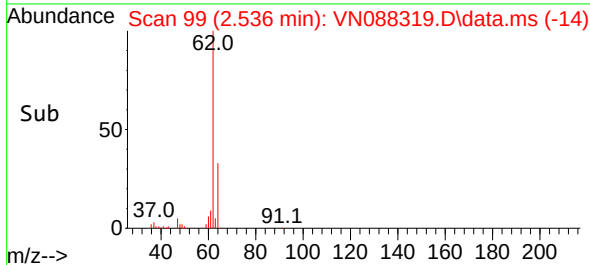
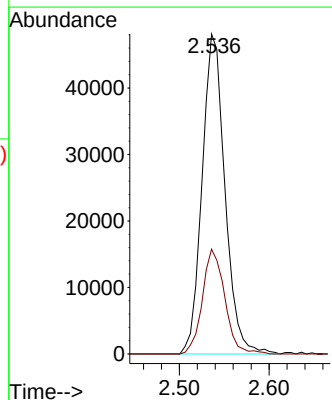
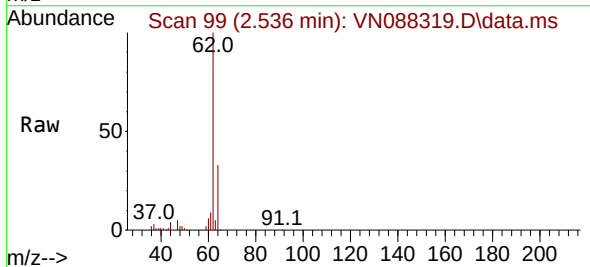
Instrument :  
MSVOA\_N  
ClientSampleId :

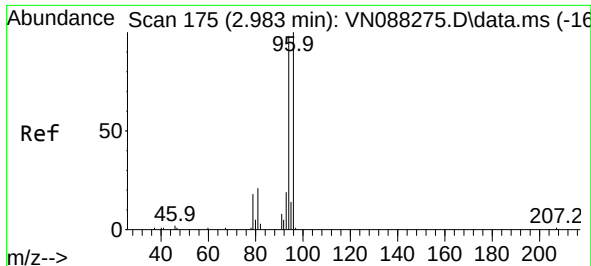
Tgt Ion: 50 Resp: 80163  
Ion Ratio Lower Upper  
50 100  
52 30.2 24.6 36.8



#4  
Vinyl Chloride  
Concen: 19.419 ug/l  
RT: 2.536 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 62 Resp: 85076  
Ion Ratio Lower Upper  
62 100  
64 32.7 25.4 38.2

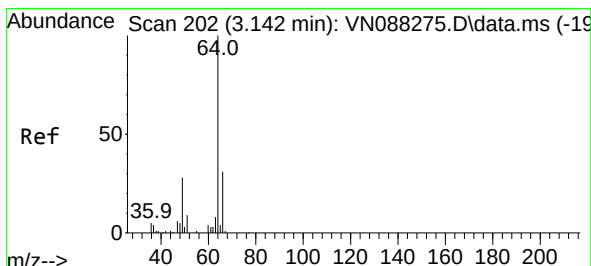
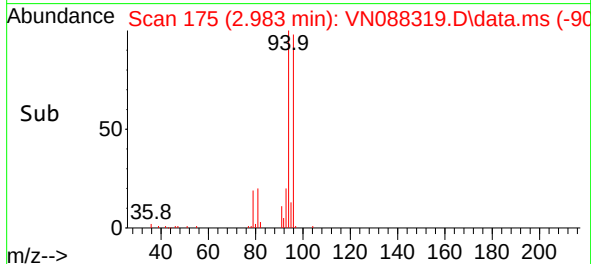
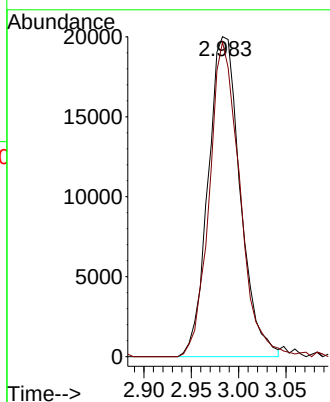
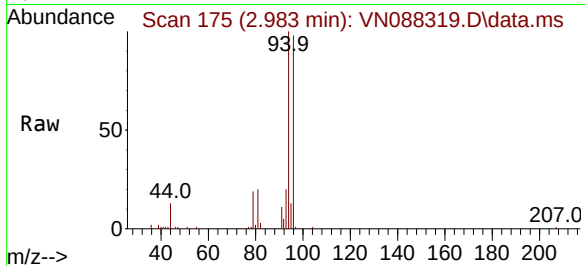




#5  
Bromomethane  
Concen: 20.201 ug/l  
RT: 2.983 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

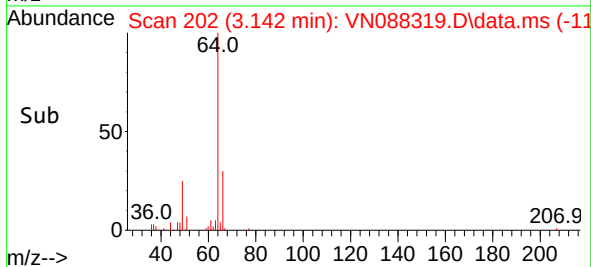
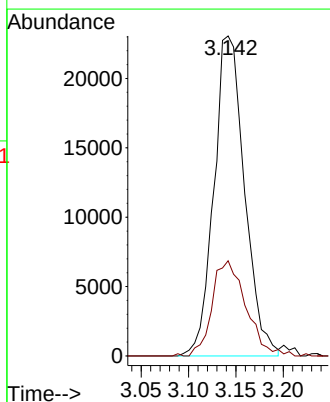
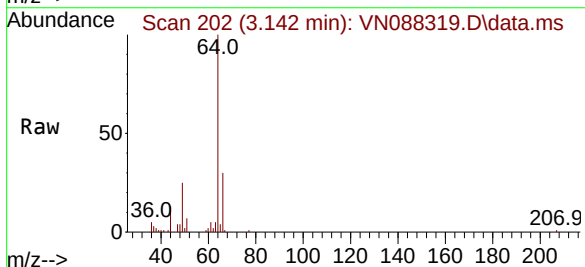
Instrument :  
MSVOA\_N  
ClientSampleId :

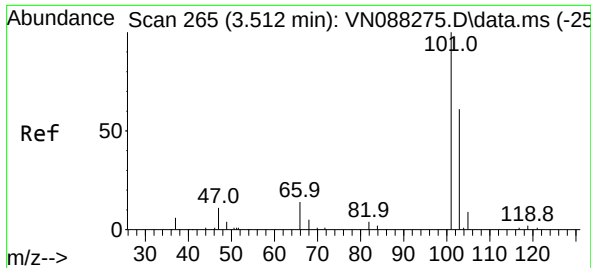
Tgt Ion: 94 Resp: 47190  
Ion Ratio Lower Upper  
94 100  
96 98.3 81.3 121.9



#6  
Chloroethane  
Concen: 19.164 ug/l  
RT: 3.142 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 64 Resp: 51896  
Ion Ratio Lower Upper  
64 100  
66 29.1 24.7 37.1

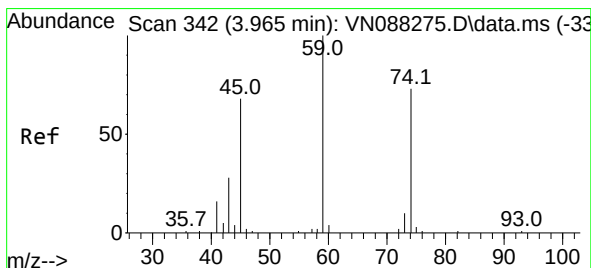
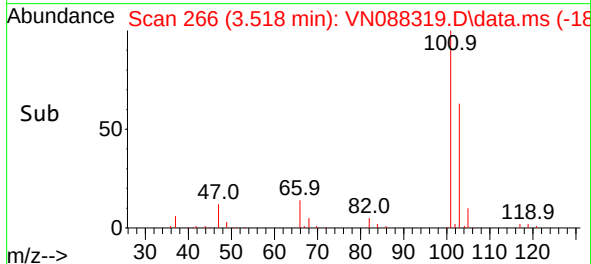
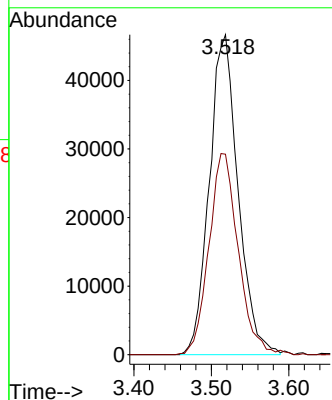
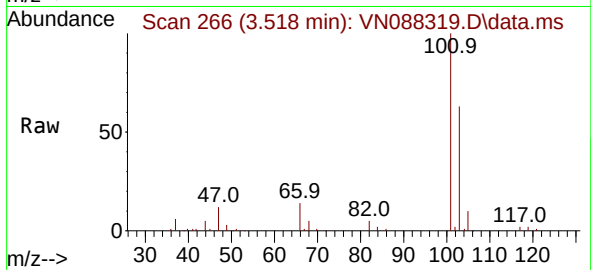




#7  
 Trichlorofluoromethane  
 Concen: 19.600 ug/l  
 RT: 3.518 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

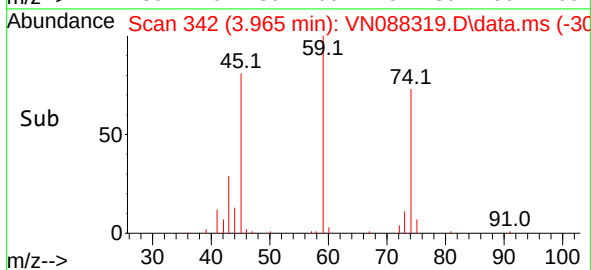
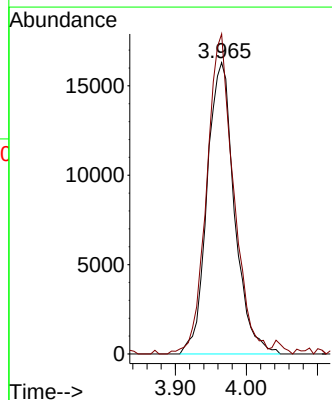
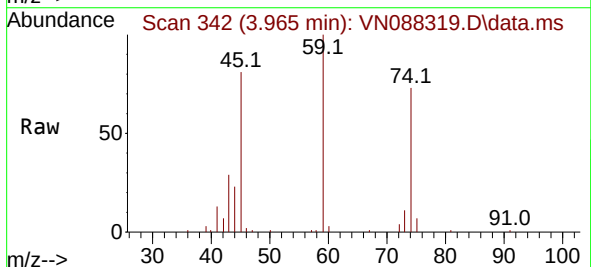
Instrument :  
 MSVOA\_N  
 ClientSampleId :

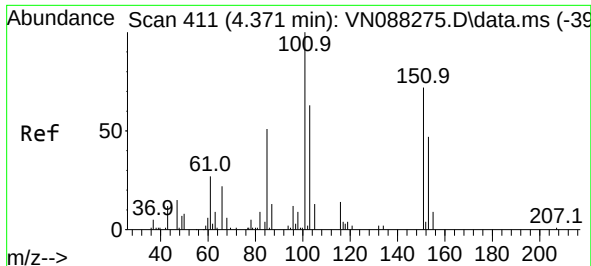
Tgt Ion:101 Resp: 120386  
 Ion Ratio Lower Upper  
 101 100  
 103 62.3 48.6 73.0



#8  
 Diethyl Ether  
 Concen: 19.039 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Tgt Ion: 74 Resp: 43709  
 Ion Ratio Lower Upper  
 74 100  
 45 107.9 20.9 187.7

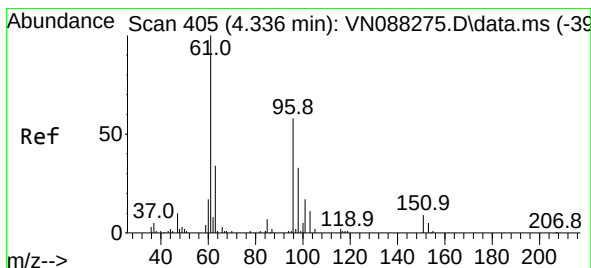
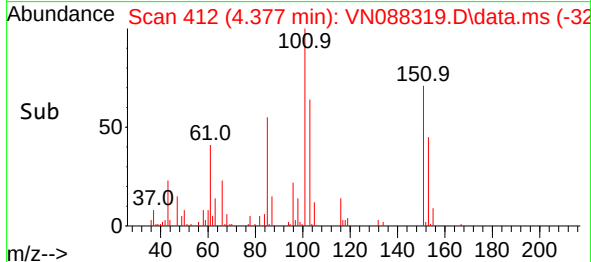
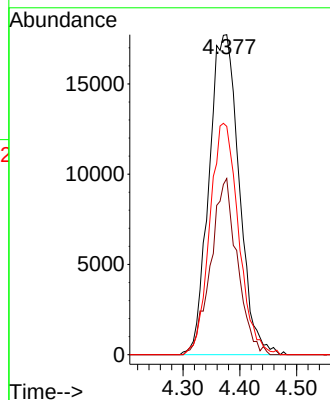
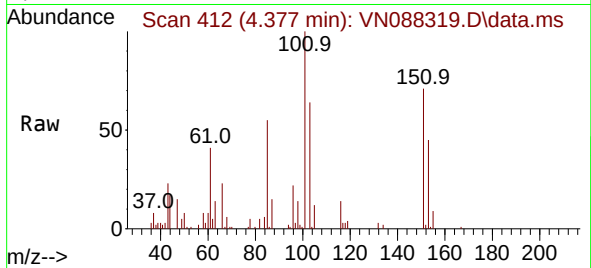




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.243 ug/l  
 RT: 4.377 min Scan# 411  
 Delta R.T. 0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

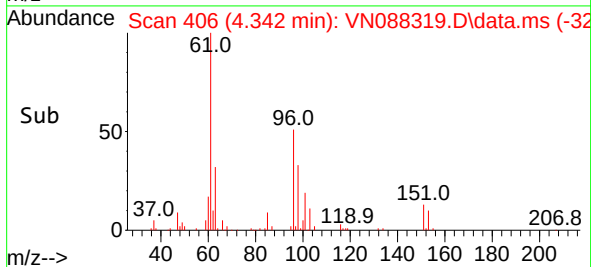
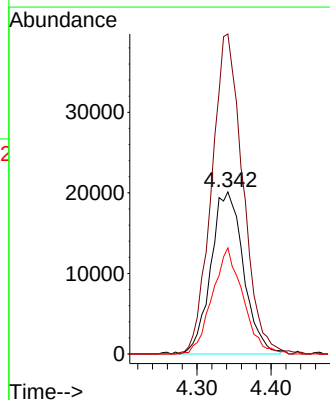
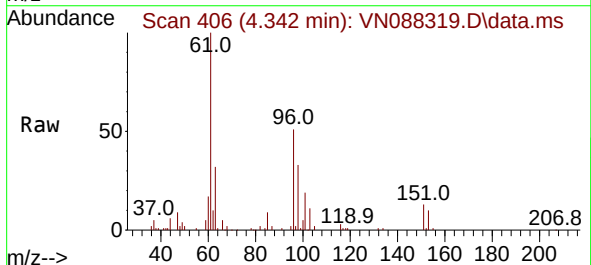
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 65229  
 Ion Ratio Lower Upper  
 101 100  
 85 48.1 0.0 100.8  
 151 69.1 0.0 138.4

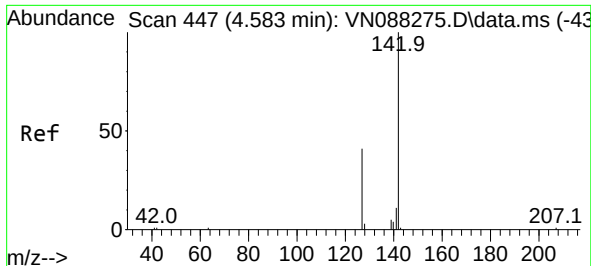


#10  
 1,1-Dichloroethene  
 Concen: 19.508 ug/l  
 RT: 4.342 min Scan# 406  
 Delta R.T. 0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Tgt Ion: 96 Resp: 61324  
 Ion Ratio Lower Upper  
 96 100  
 61 196.5 137.8 206.8  
 98 65.4 45.6 68.4



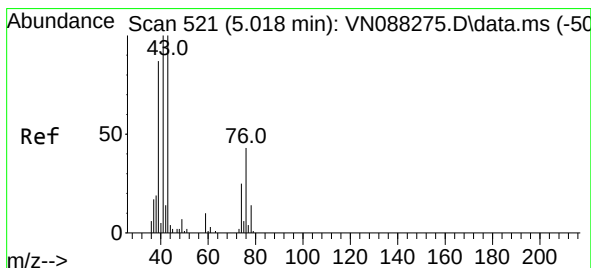
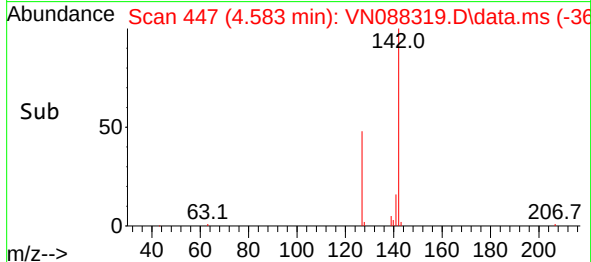
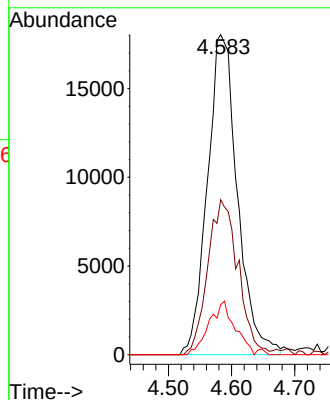
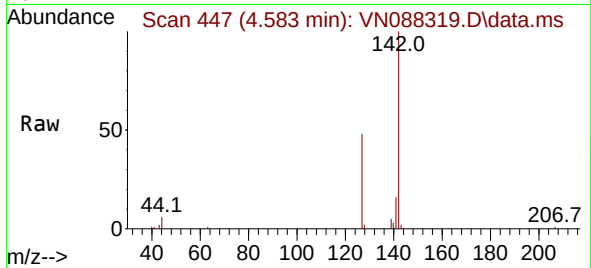




#11  
Methyl Iodide  
Concen: 17.824 ug/l  
RT: 4.583 min Scan# 447  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

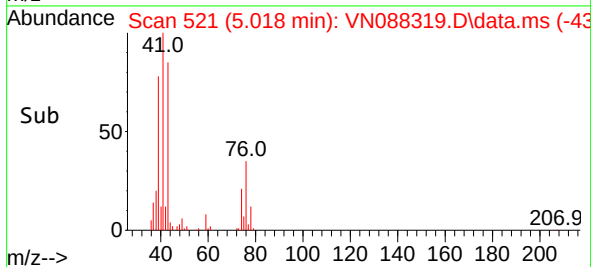
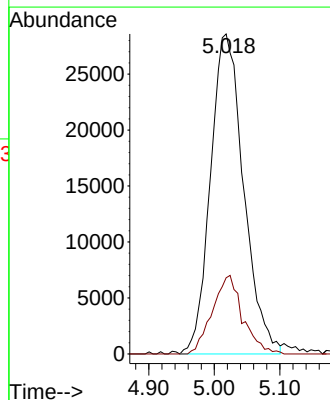
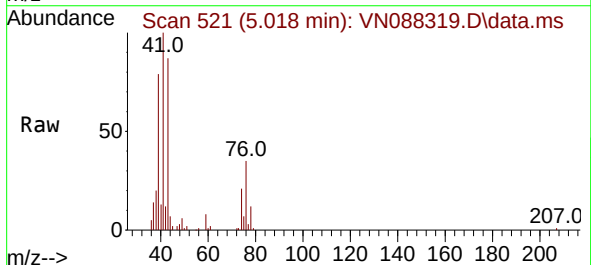
Instrument :  
MSVOA\_N  
ClientSampleId :

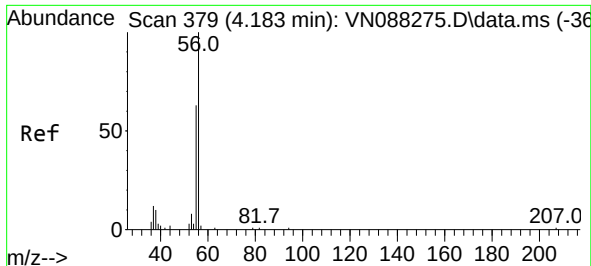
Tgt Ion:142 Resp: 59628  
Ion Ratio Lower Upper  
142 100  
127 48.2 20.4 61.2  
141 15.8 5.6 16.8



#12  
Methyl Acetate  
Concen: 19.802 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 43 Resp: 100424  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.8 29.8

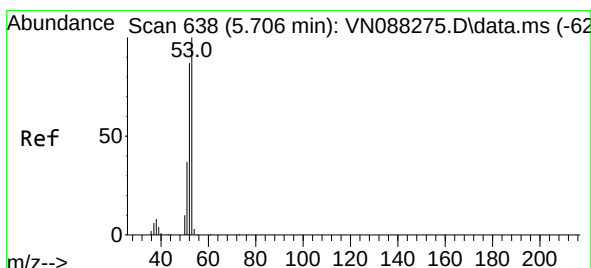
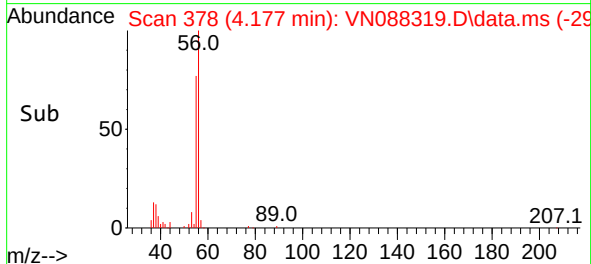
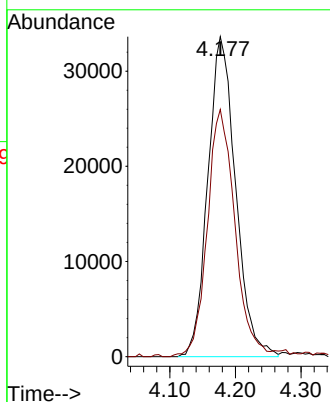
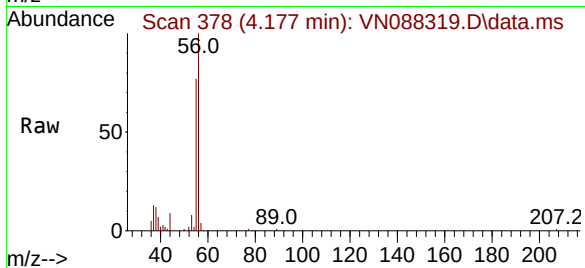




#13  
Acrolein  
Concen: 132.581 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

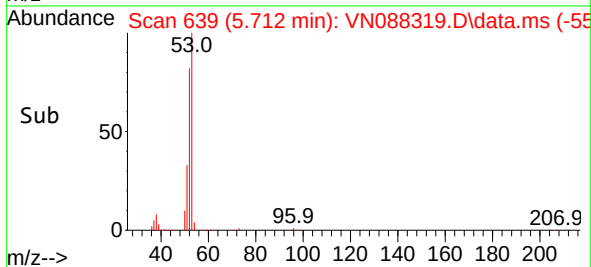
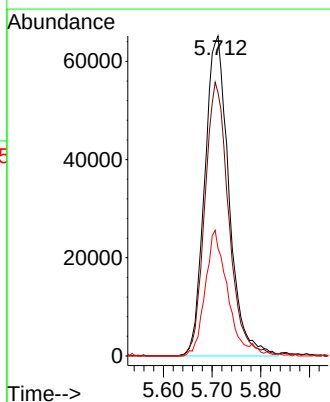
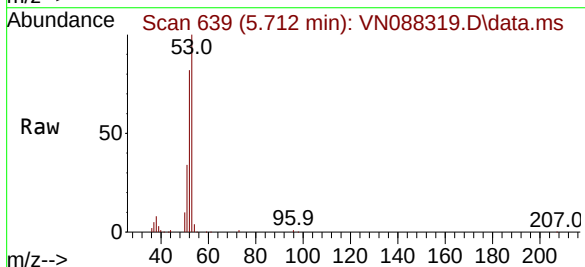
Instrument :  
MSVOA\_N  
ClientSampleId :

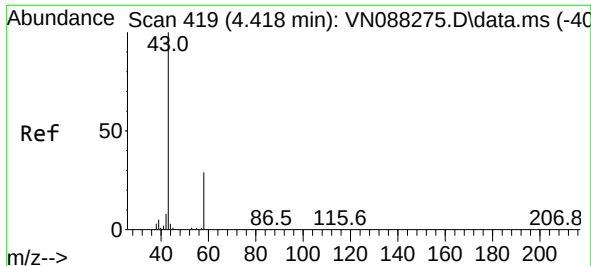
Tgt Ion: 56 Resp: 98928  
Ion Ratio Lower Upper  
56 100  
55 76.6 57.9 86.9



#14  
Acrylonitrile  
Concen: 97.857 ug/l  
RT: 5.712 min Scan# 639  
Delta R.T. 0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 53 Resp: 225510  
Ion Ratio Lower Upper  
53 100  
52 84.3 42.3 126.9  
51 35.4 18.4 55.2

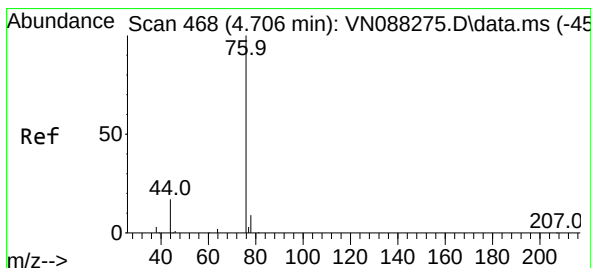
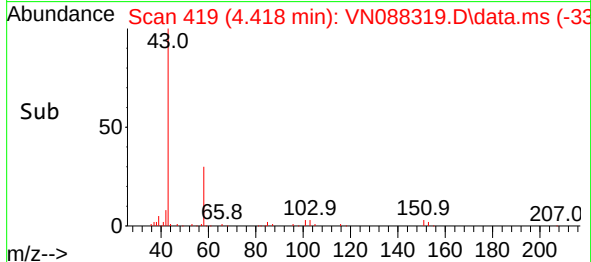
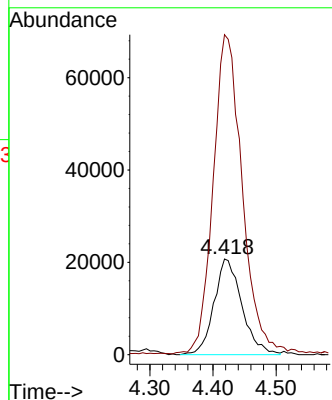
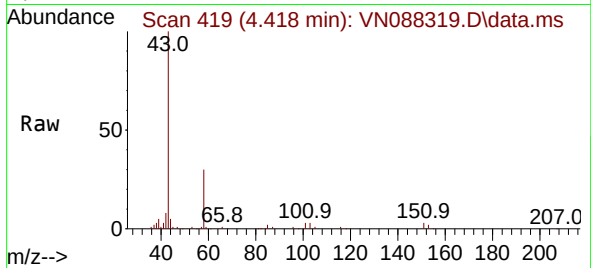




#15  
Acetone  
Concen: 94.207 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

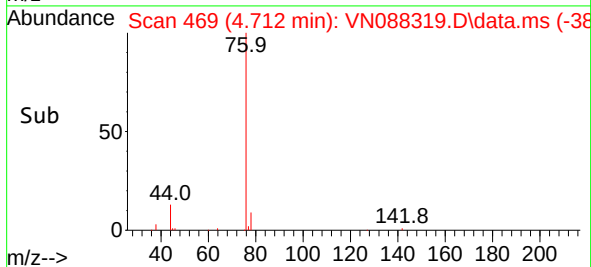
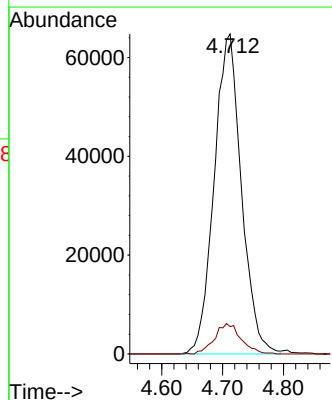
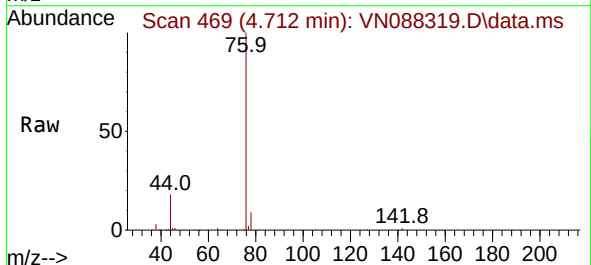
Instrument :  
MSVOA\_N  
ClientSampleId :

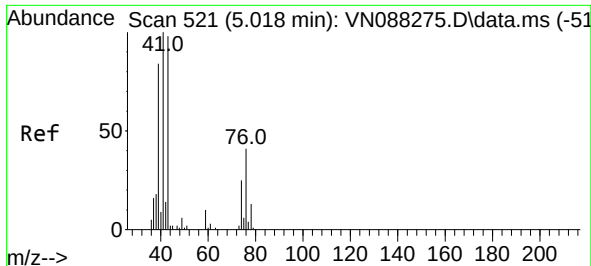
Tgt Ion: 58 Resp: 63487  
Ion Ratio Lower Upper  
58 100  
43 332.0 273.9 410.9



#16  
Carbon Disulfide  
Concen: 18.981 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

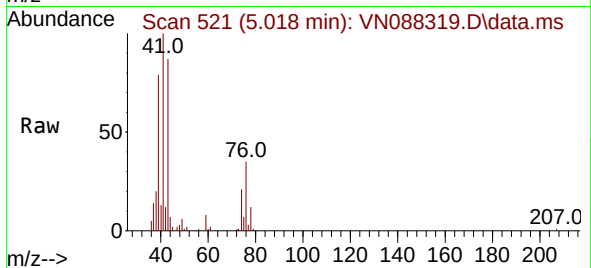
Tgt Ion: 76 Resp: 201244  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.5 11.3



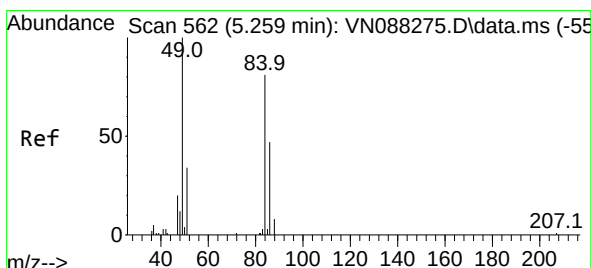
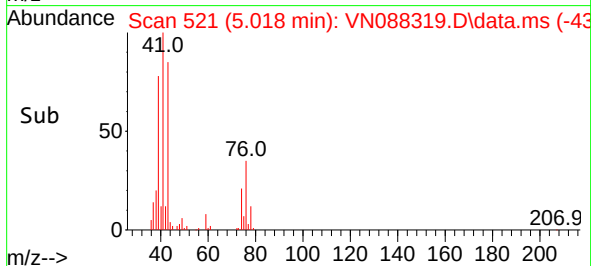
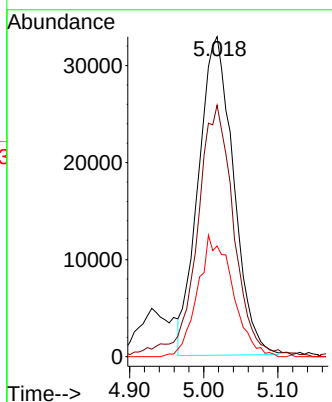


#17  
 Allyl chloride  
 Concen: 17.690 ug/l  
 RT: 5.018 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :

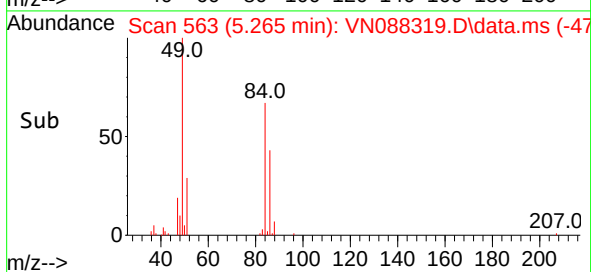
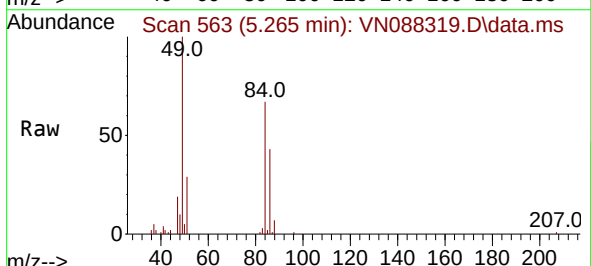
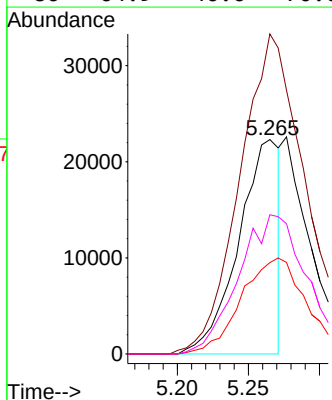


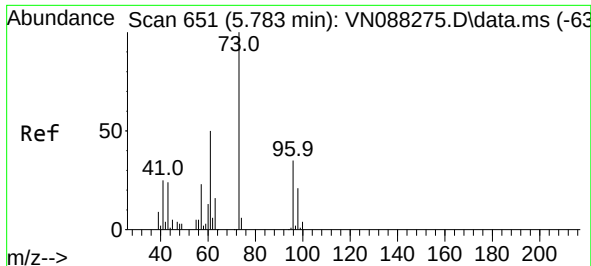
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 108063 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 77.4  | 38.3  | 114.9  |
| 76       | 35.0  | 18.5  | 55.5   |



#18  
 Methylene Chloride  
 Concen: 11.488 ug/l  
 RT: 5.265 min Scan# 563  
 Delta R.T. 0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 44889 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 147.5 | 98.7  | 148.1 |
| 51       | 42.6  | 33.7  | 50.5  |
| 86       | 64.9  | 46.6  | 70.0  |

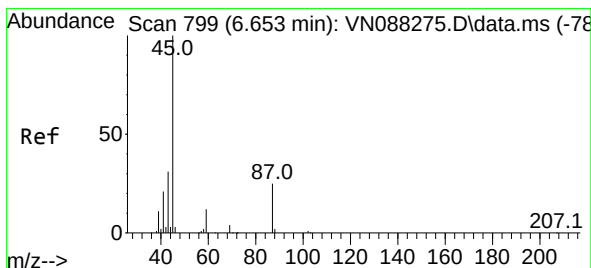
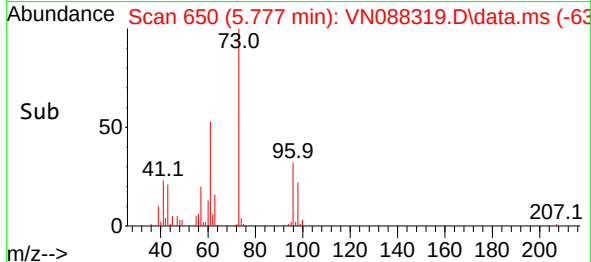
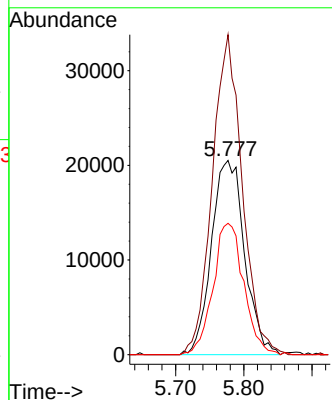
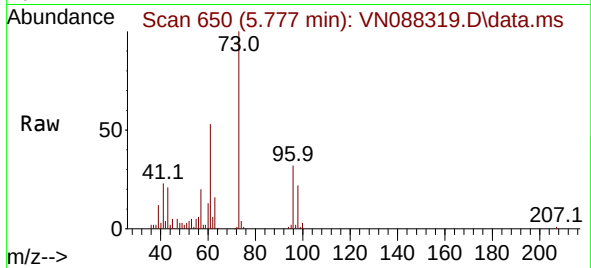




#19  
trans-1,2-Dichloroethene  
Concen: 18.932 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

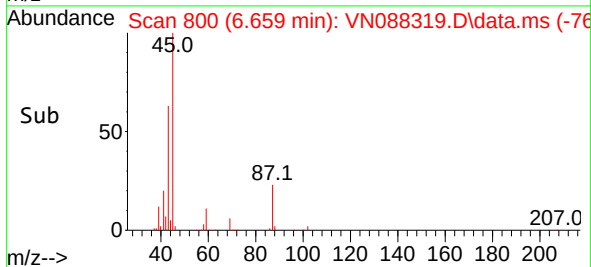
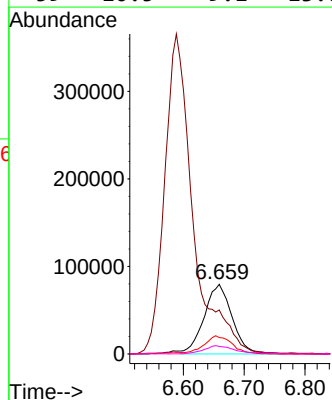
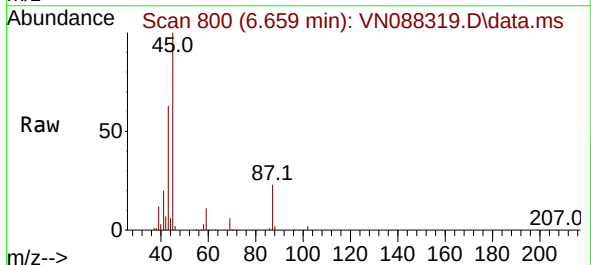
Instrument :  
MSVOA\_N  
ClientSampleId :

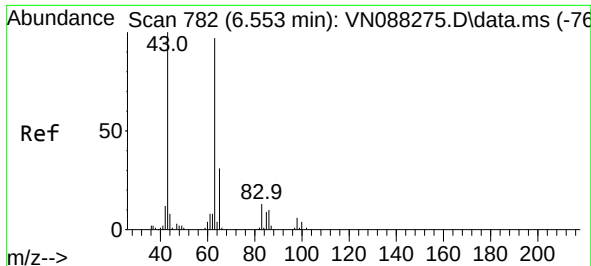
Tgt Ion: 96 Resp: 69304  
Ion Ratio Lower Upper  
96 100  
61 164.8 117.0 175.4  
98 67.7 48.6 72.8



#20  
Diisopropyl ether  
Concen: 19.302 ug/l  
RT: 6.659 min Scan# 800  
Delta R.T. 0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 45 Resp: 251960  
Ion Ratio Lower Upper  
45 100  
43 62.2 51.9 77.9  
87 23.6 21.1 31.7  
59 10.5 9.1 13.7





#21

1,1-Dichloroethane

Concen: 19.372 ug/l

RT: 6.553 min Scan# 782

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

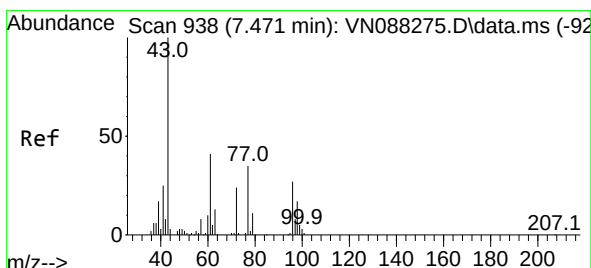
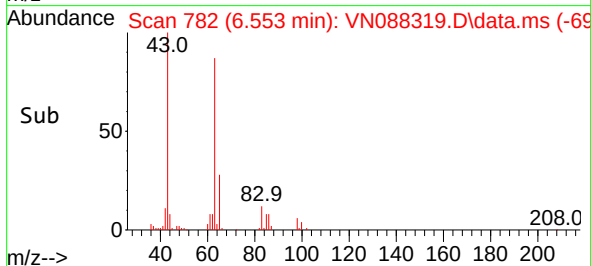
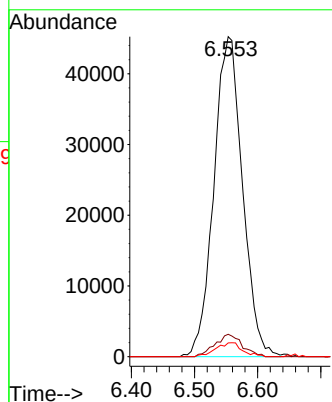
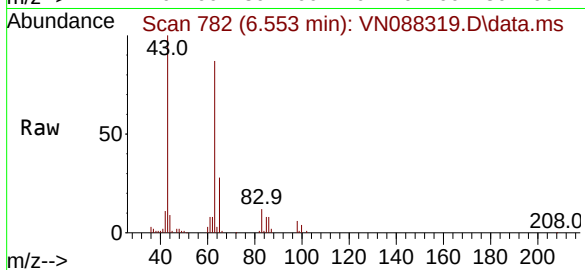
Tgt Ion: 63 Resp: 142469

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.0

100 4.3 2.1 6.3



#22

cis-1,2-Dichloroethene

Concen: 19.192 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

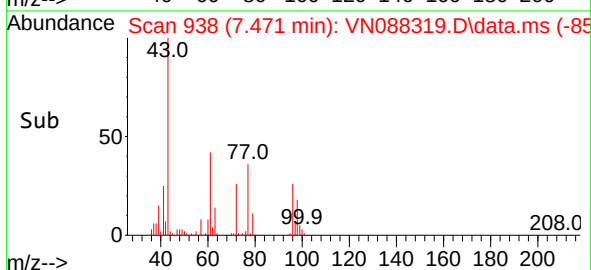
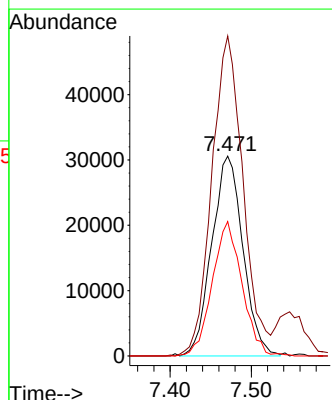
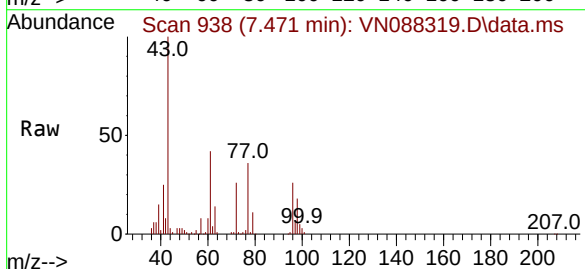
Tgt Ion: 96 Resp: 81653

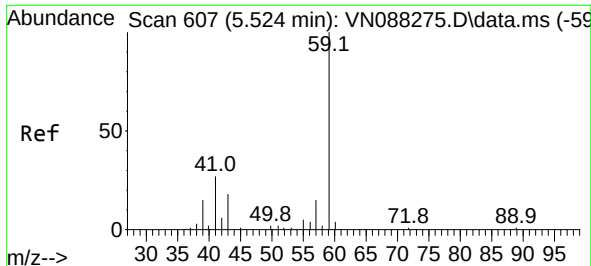
Ion Ratio Lower Upper

96 100

61 160.2 131.2 196.8

98 63.9 51.0 76.4

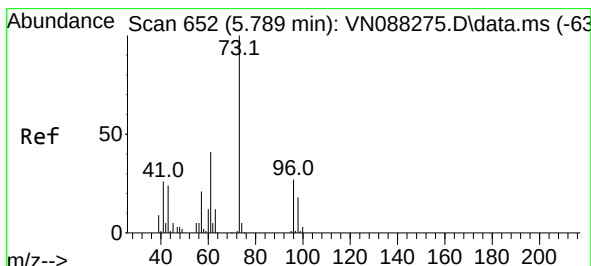
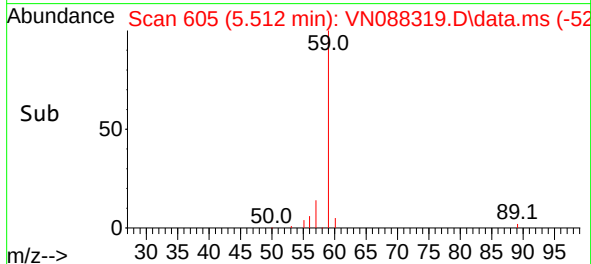
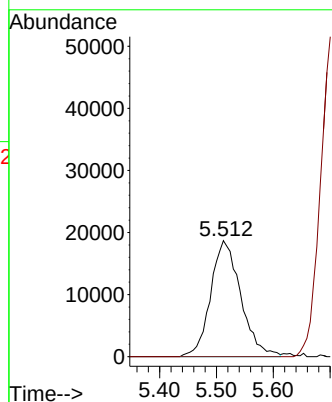
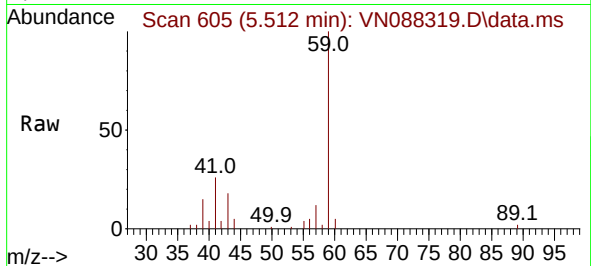




#23  
tert-Butyl Alcohol  
Concen: 81.289 ug/l  
RT: 5.512 min Scan# 607  
Delta R.T. -0.012 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

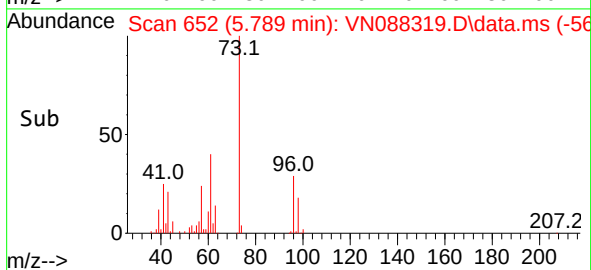
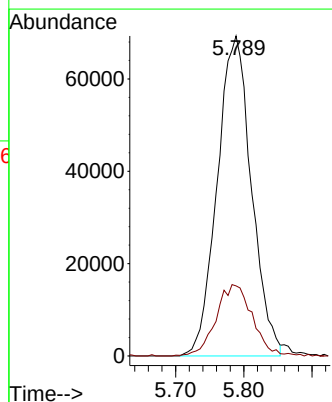
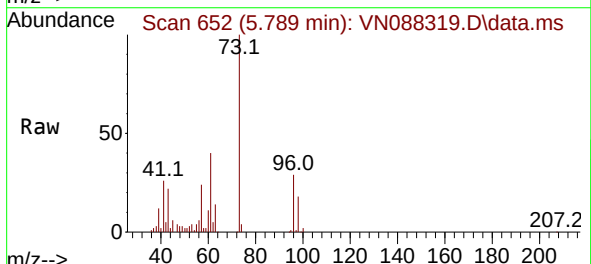
Instrument :  
MSVOA\_N  
ClientSampleId :

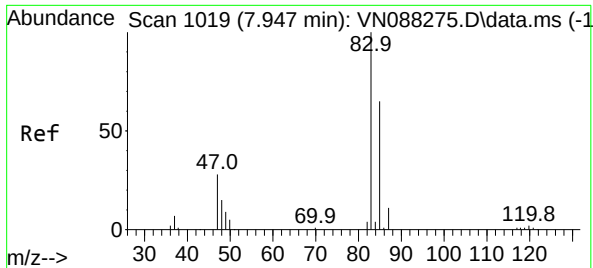
Tgt Ion: 59 Resp: 68882  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#24  
Methyl tert-Butyl Ether  
Concen: 19.087 ug/l  
RT: 5.789 min Scan# 652  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 73 Resp: 241923  
Ion Ratio Lower Upper  
73 100  
43 23.4 18.5 27.7

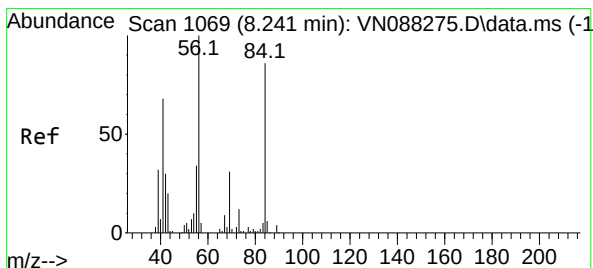
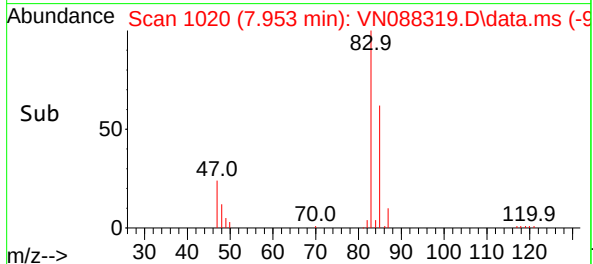
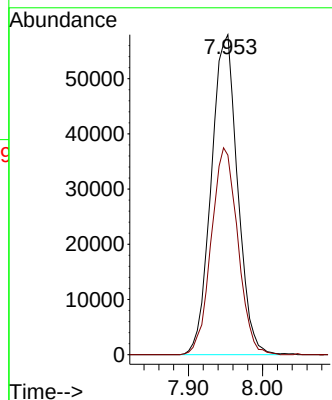
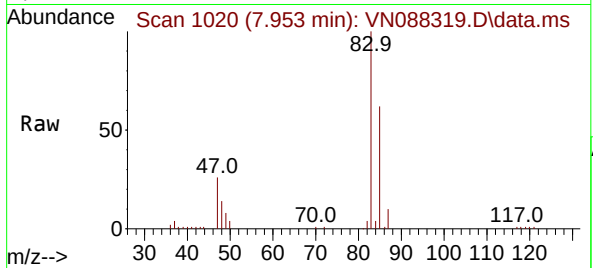




#25  
Chloroform  
Concen: 19.628 ug/l  
RT: 7.953 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

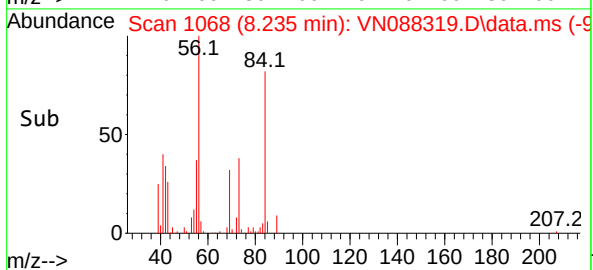
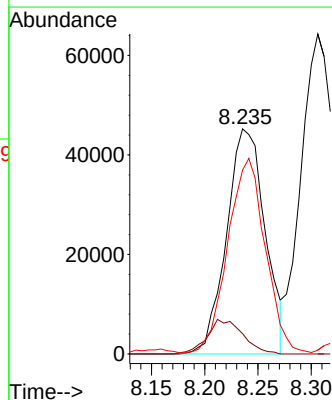
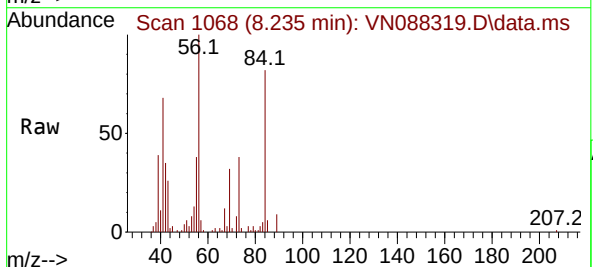
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 83 Resp: 143036  
Ion Ratio Lower Upper  
83 100  
85 62.3 52.2 78.4

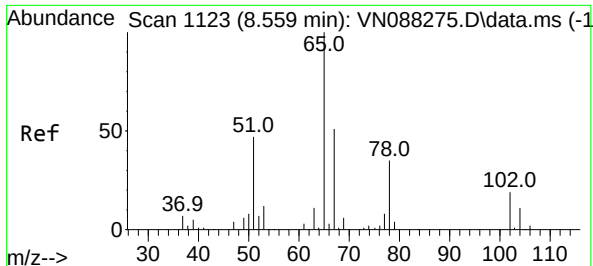


#26  
Cyclohexane  
Concen: 18.323 ug/l  
RT: 8.235 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 56 Resp: 113822  
Ion Ratio Lower Upper  
56 100  
89 14.2 7.3 10.9#  
84 85.2 67.8 101.8



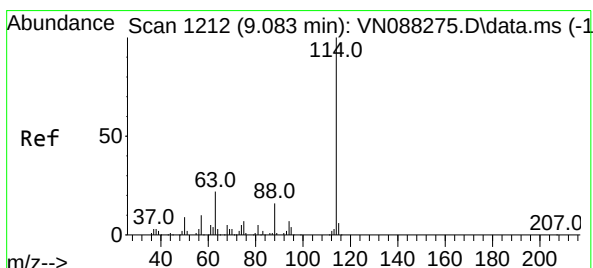
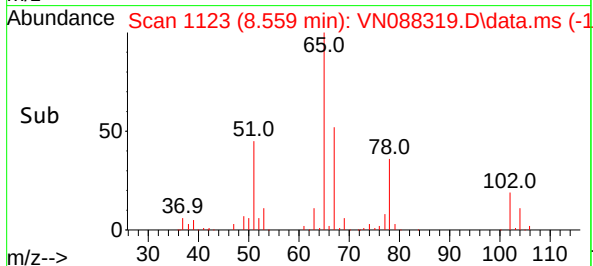
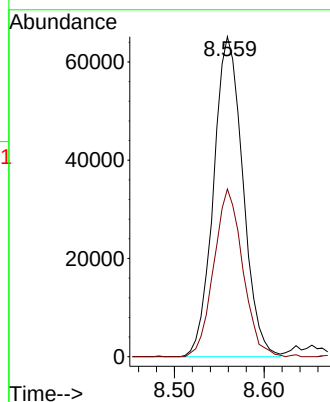
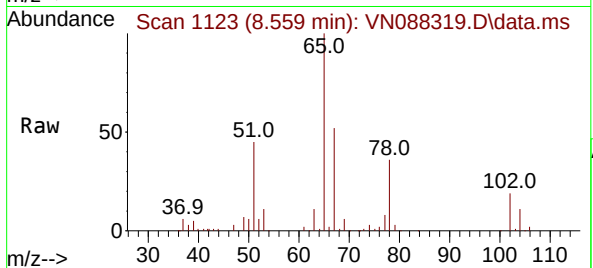




#27  
1,2-Dichloroethane-d4  
Concen: 28.296 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

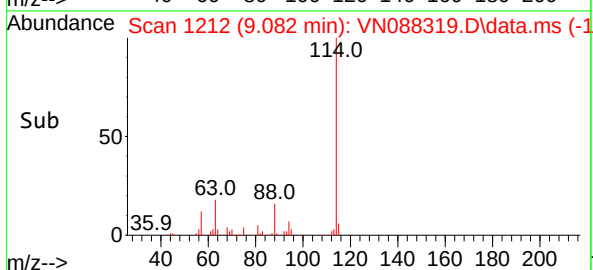
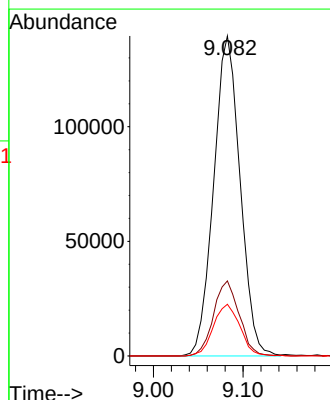
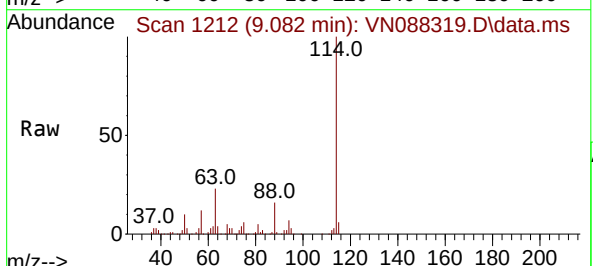
Instrument :  
MSVOA\_N  
ClientSampleId :

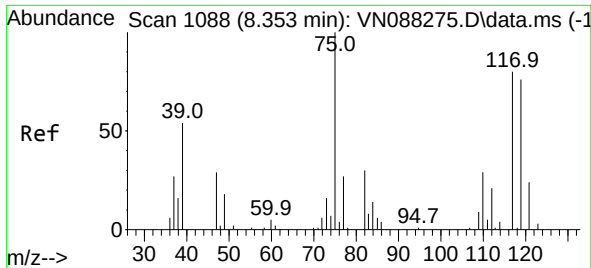
Tgt Ion: 65 Resp: 147762  
Ion Ratio Lower Upper  
65 100  
67 51.6 40.2 60.2



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.082 min Scan# 1212  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 114 Resp: 285463  
Ion Ratio Lower Upper  
114 100  
63 22.8 18.9 28.3  
88 16.3 12.8 19.2





#29

1,1-Dichloropropene

Concen: 19.939 ug/l

RT: 8.353 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

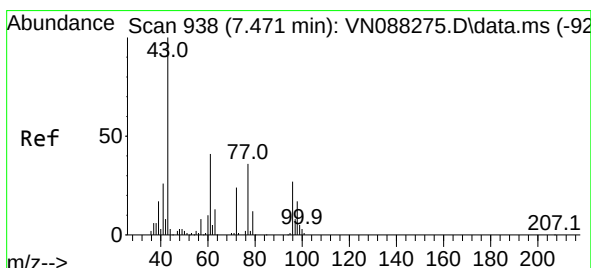
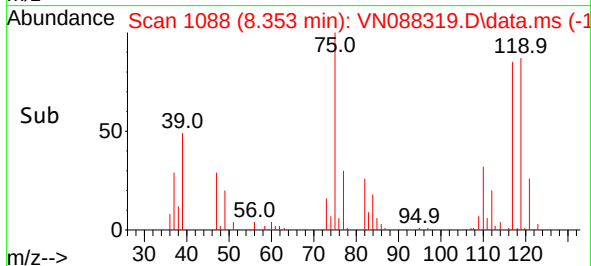
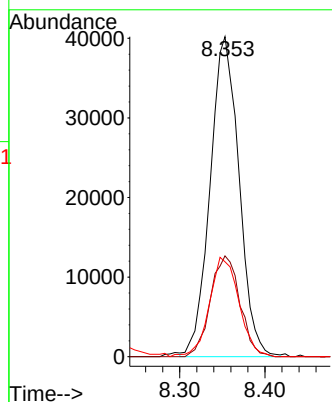
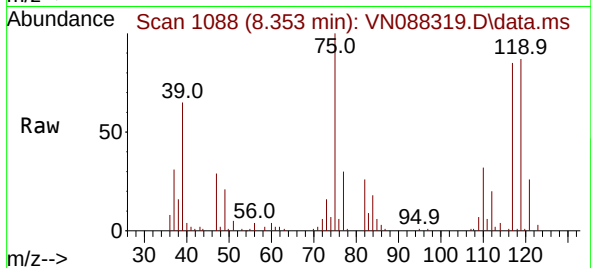
Tgt Ion: 75 Resp: 94972

Ion Ratio Lower Upper

75 100

110 32.0 0.0 65.6

77 31.5 0.0 60.8



#30

2-Butanone

Concen: 101.588 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

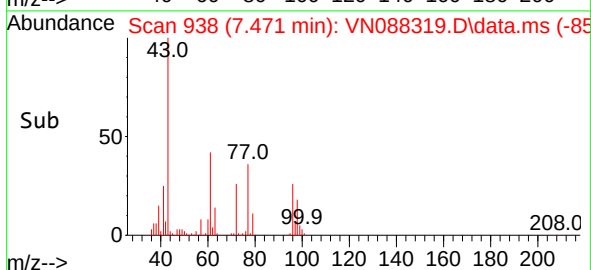
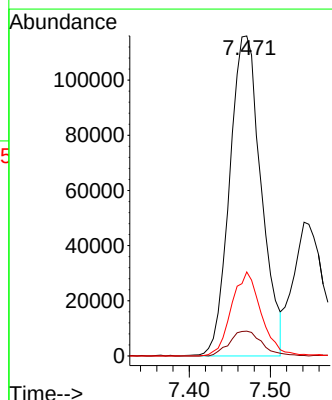
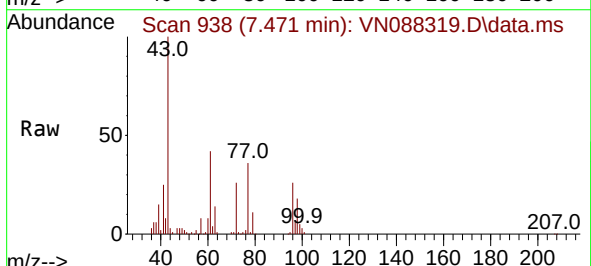
Tgt Ion: 43 Resp: 312999

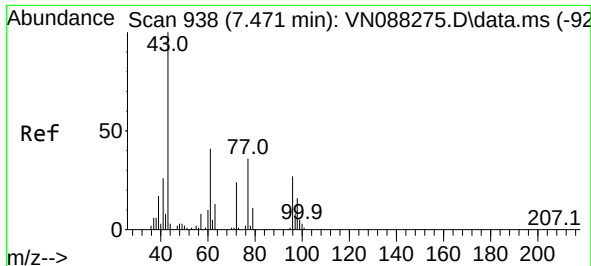
Ion Ratio Lower Upper

43 100

57 8.0 6.2 9.4

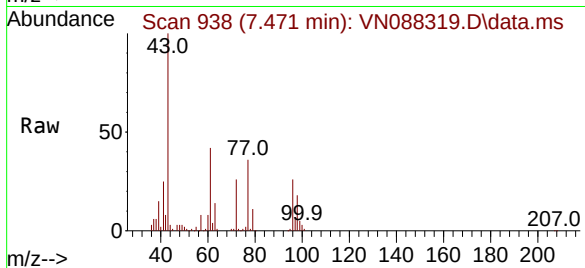
72 24.8 19.4 29.2



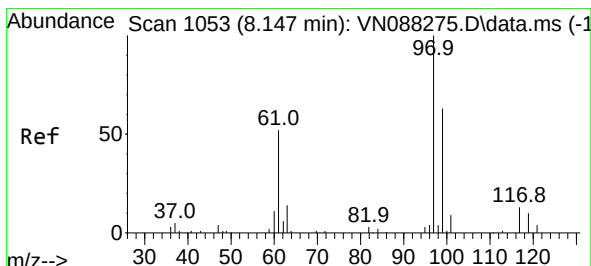
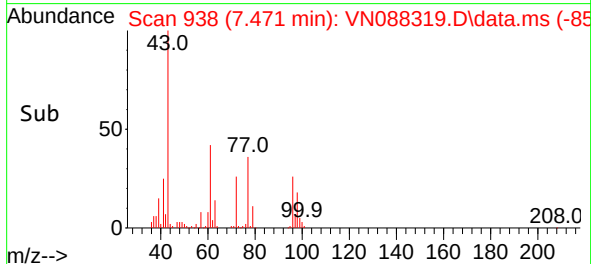
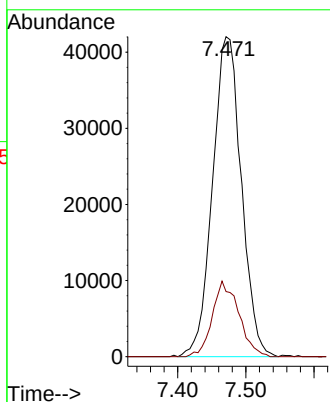


#31  
2,2-Dichloropropane  
Concen: 21.001 ug/l  
RT: 7.471 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

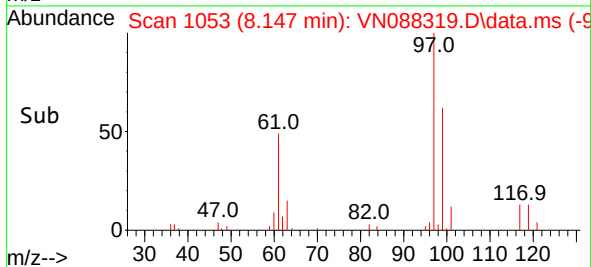
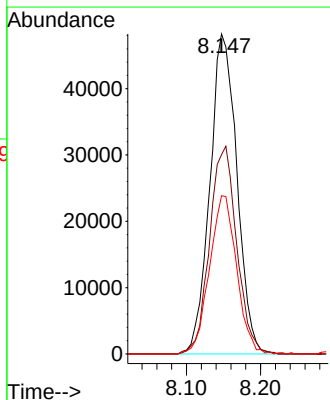
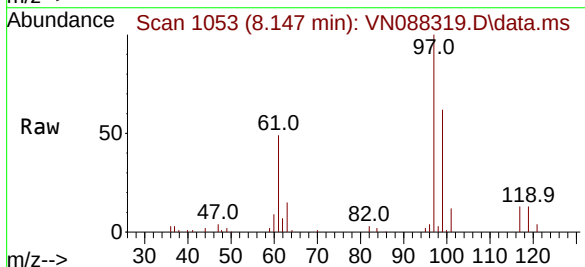


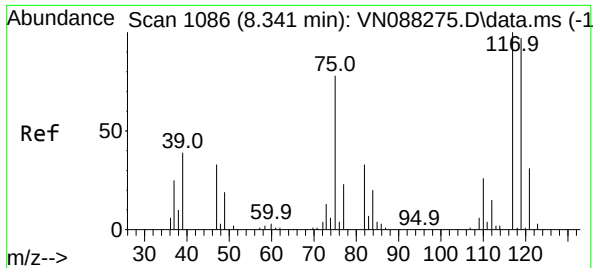
Tgt Ion: 77 Resp: 123378  
Ion Ratio Lower Upper  
77 100  
97 21.8 16.8 25.2



#32  
1,1,1-Trichloroethane  
Concen: 20.860 ug/l  
RT: 8.147 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

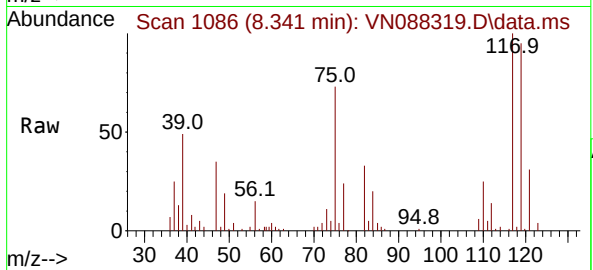
Tgt Ion: 97 Resp: 122481  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.2 75.4  
61 49.5 39.8 59.8



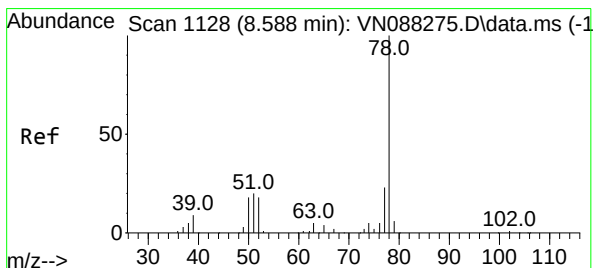
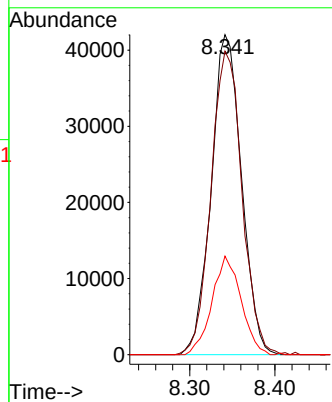
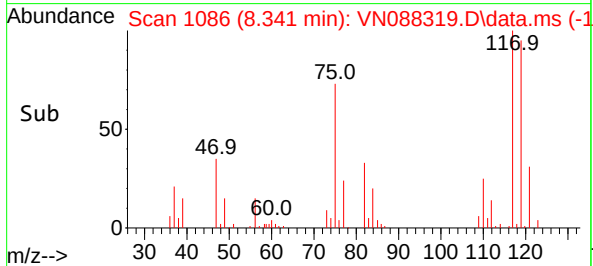


#33  
Carbon Tetrachloride  
Concen: 20.731 ug/l  
RT: 8.341 min Scan# 1108  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

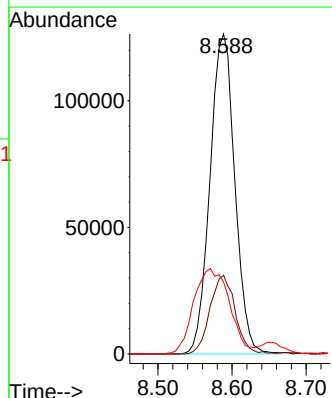
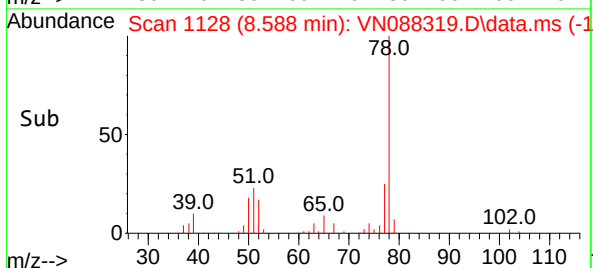
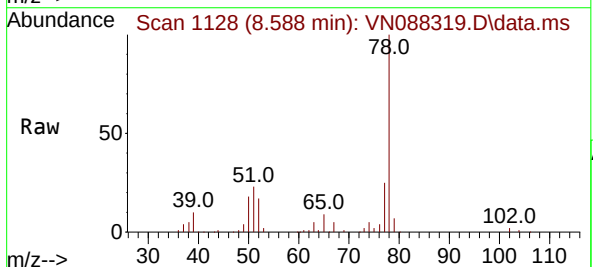


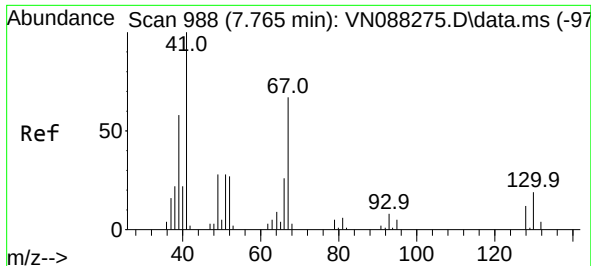
Tgt Ion:117 Resp: 103947  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.8 116.8  
121 30.8 24.5 36.7



#34  
Benzene  
Concen: 20.689 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

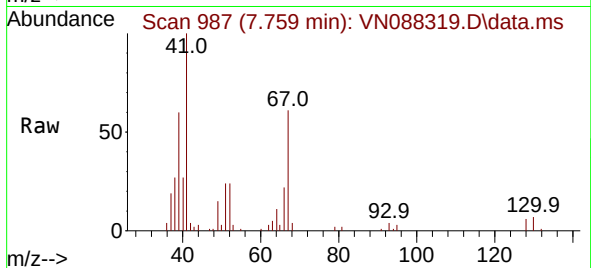
Tgt Ion: 78 Resp: 294559  
Ion Ratio Lower Upper  
78 100  
77 24.6 18.6 27.8  
51 20.2 15.8 23.8



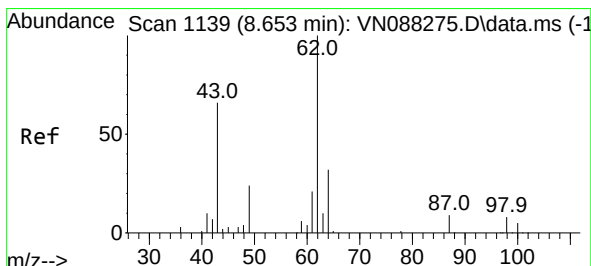
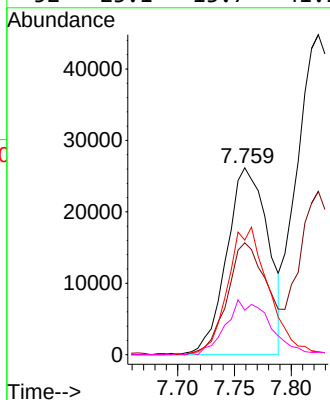
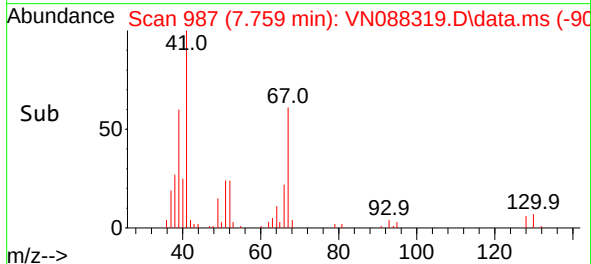


#35  
Methacrylonitrile  
Concen: 20.634 ug/l  
RT: 7.759 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

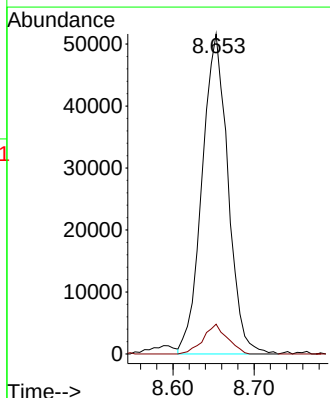
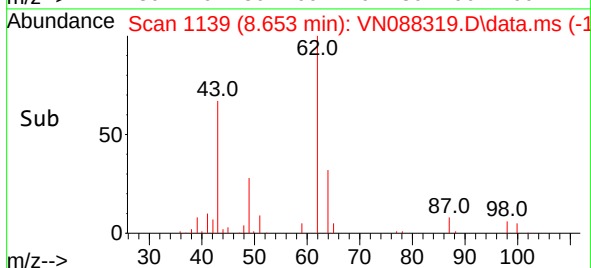
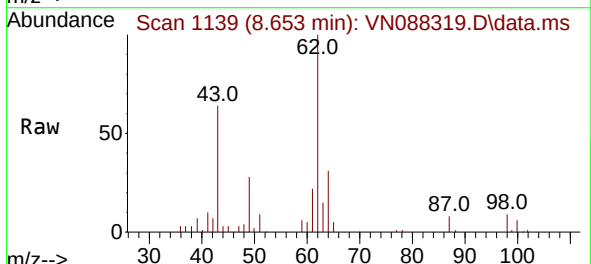


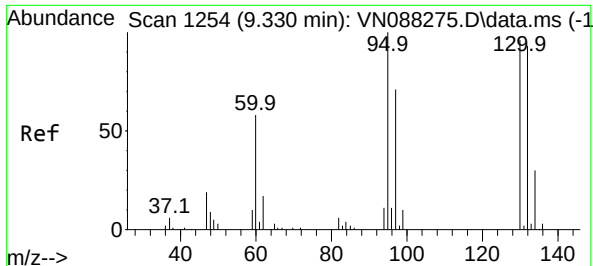
Tgt Ion: 41 Resp: 66313  
Ion Ratio Lower Upper  
41 100  
39 59.1 29.0 87.0  
67 61.3 33.3 99.9  
52 23.1 13.7 41.1



#36  
1,2-Dichloroethane  
Concen: 20.701 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 62 Resp: 114702  
Ion Ratio Lower Upper  
62 100  
98 8.6 6.8 10.2





#37

Trichloroethene

Concen: 21.194 ug/l

RT: 9.335 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

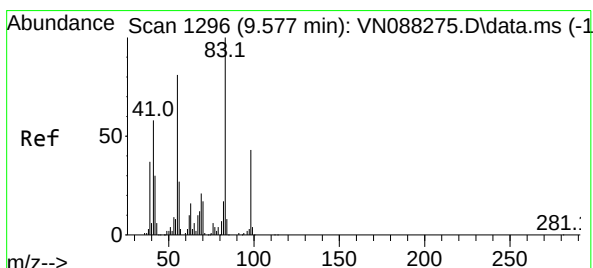
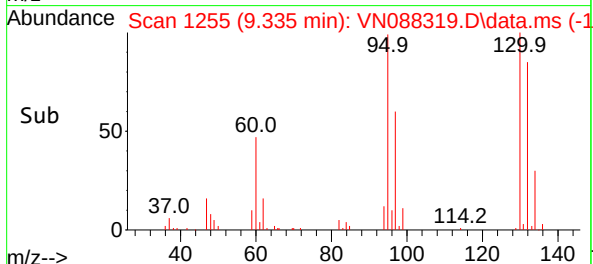
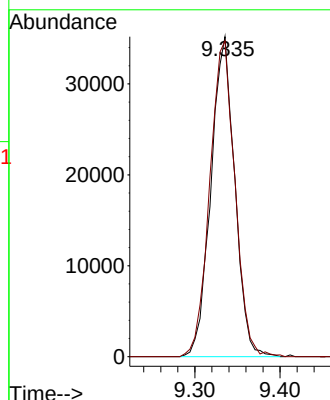
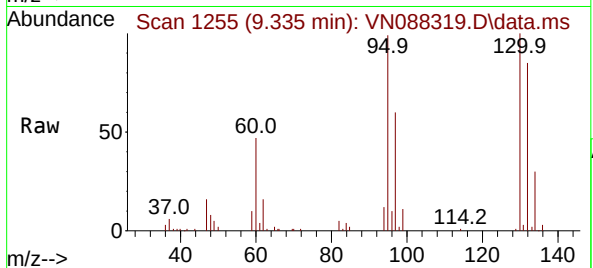
ClientSampleId :

Tgt Ion:130 Resp: 68380

Ion Ratio Lower Upper

130 100

95 98.7 83.7 125.5



#38

Methylcyclohexane

Concen: 19.435 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

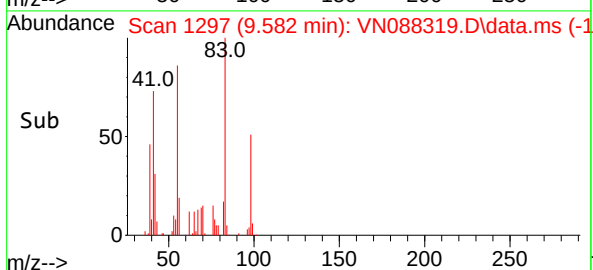
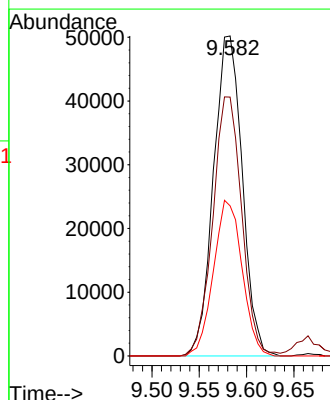
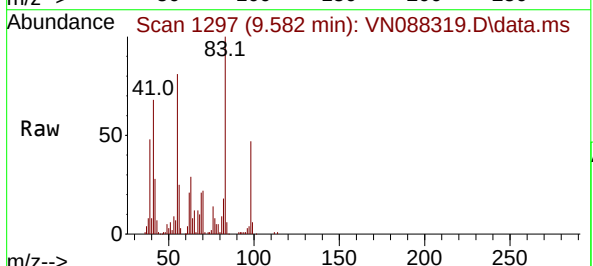
Tgt Ion: 83 Resp: 106131

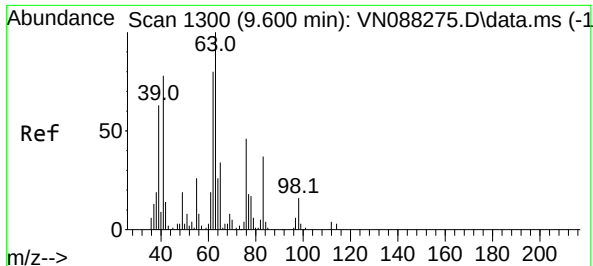
Ion Ratio Lower Upper

83 100

55 81.4 40.8 122.5

98 48.5 23.4 70.3





#39

1,2-Dichloropropane

Concen: 21.236 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

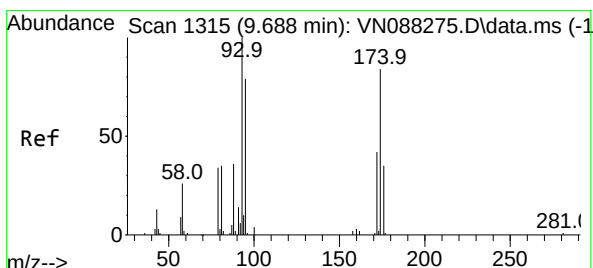
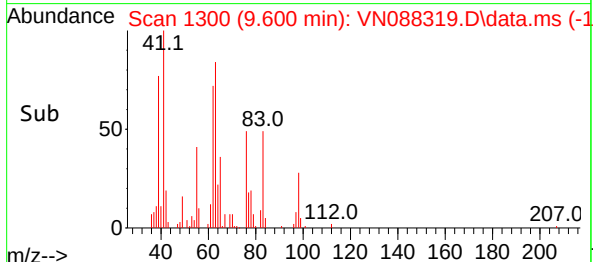
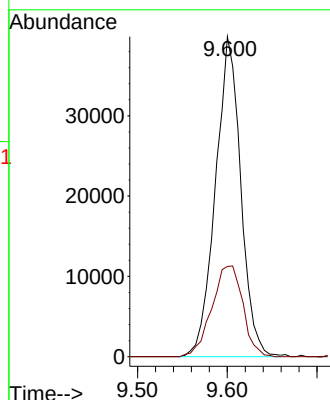
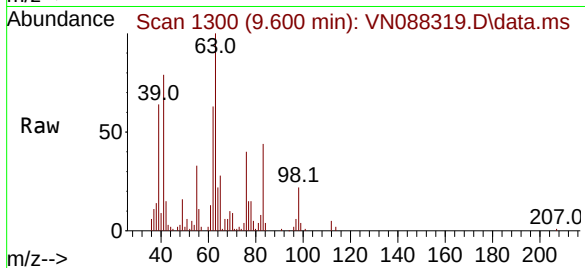
ClientSampleId :

Tgt Ion: 63 Resp: 78005

Ion Ratio Lower Upper

63 100

65 28.2 27.8 41.6



#40

Dibromomethane

Concen: 21.453 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

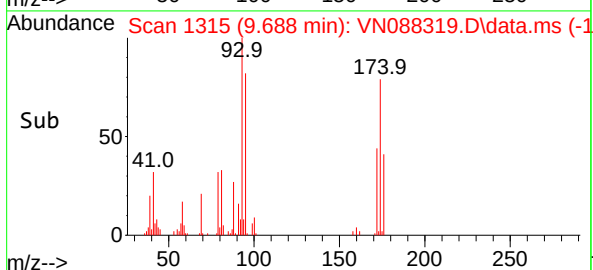
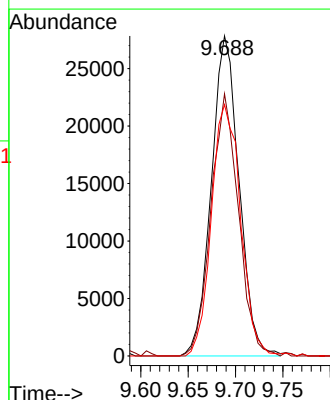
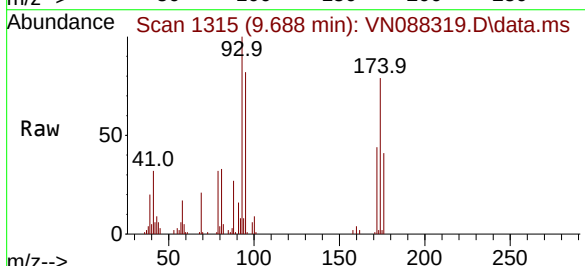
Tgt Ion: 93 Resp: 56616

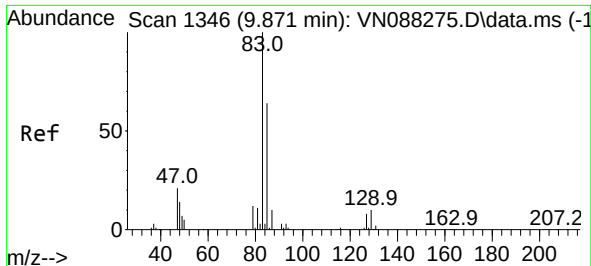
Ion Ratio Lower Upper

93 100

95 81.3 0.0 161.6

174 82.6 0.0 158.2

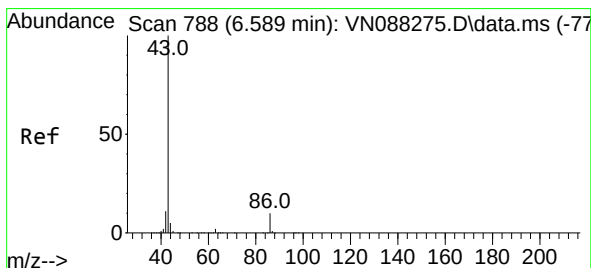
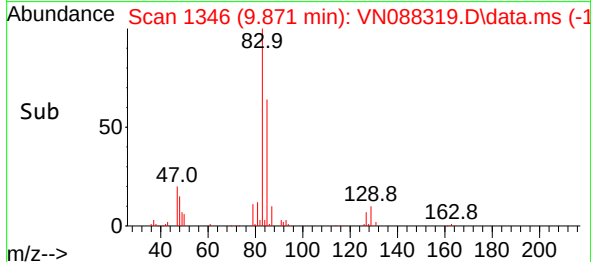
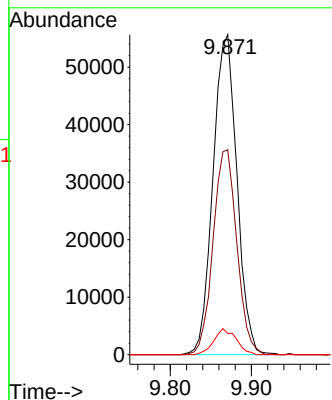
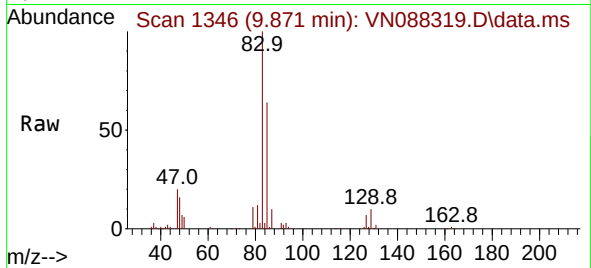




#41  
Bromodichloromethane  
Concen: 21.468 ug/l  
RT: 9.871 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

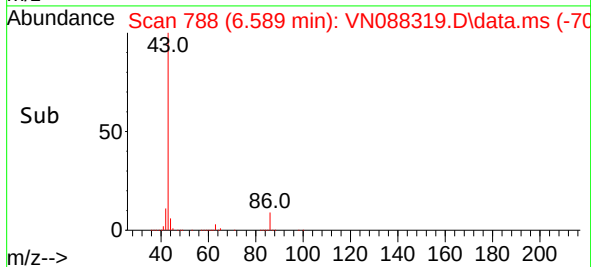
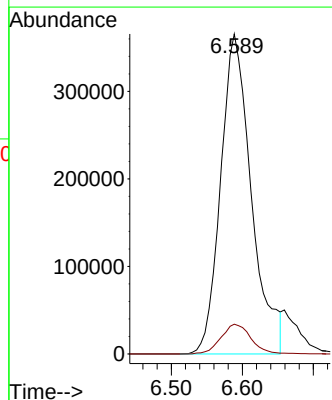
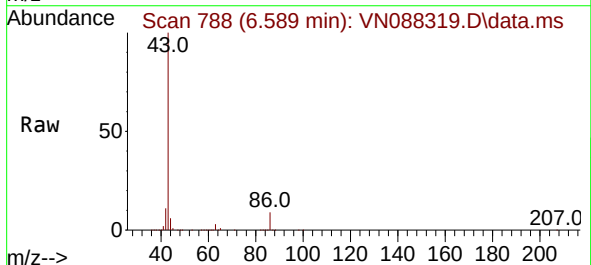
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion: 83 Resp: 114051  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.4 77.2  
127 6.6 6.4 9.6

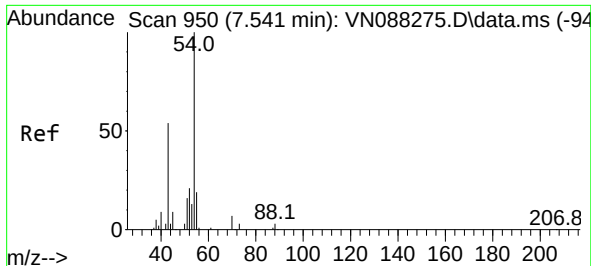


#42  
Vinyl Acetate  
Concen: 106.850 ug/l  
RT: 6.589 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 43 Resp: 1098774  
Ion Ratio Lower Upper  
43 100  
86 9.2 7.4 11.2

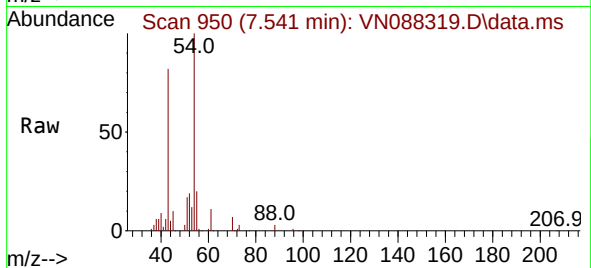




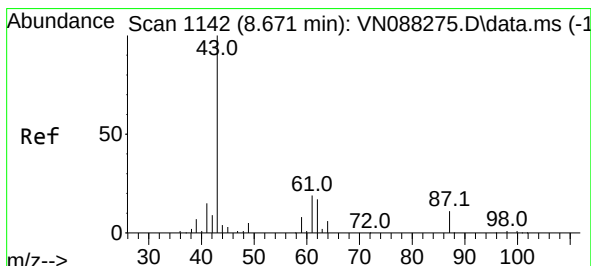
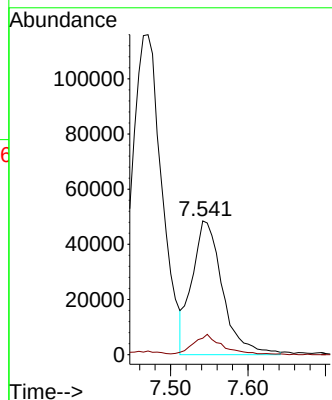
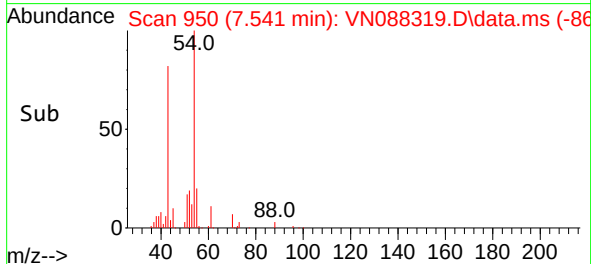


#43  
Ethyl Acetate  
Concen: 21.419 ug/l  
RT: 7.541 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

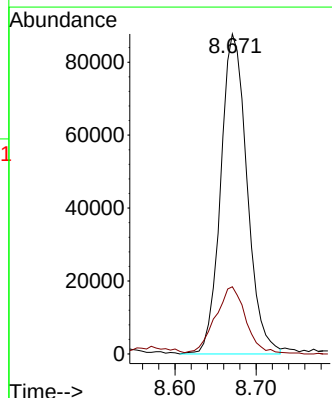
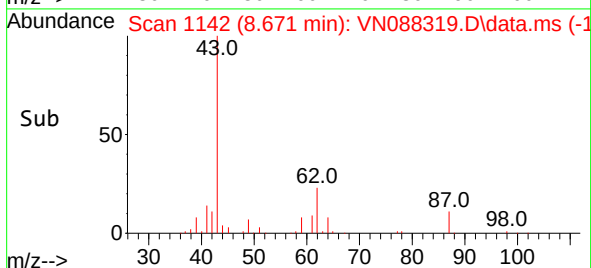
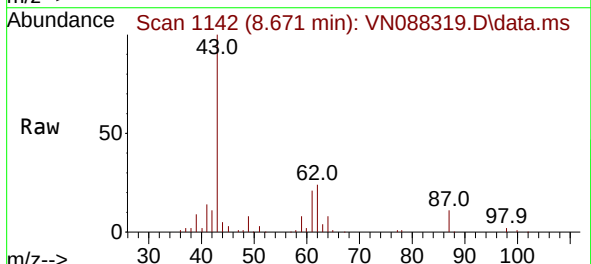


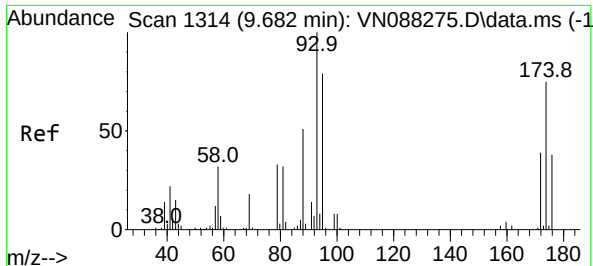
Tgt Ion: 43 Resp: 132783  
Ion Ratio Lower Upper  
43 100  
45 13.1 9.9 14.9



#44  
Isopropyl Acetate  
Concen: 20.701 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 43 Resp: 197773  
Ion Ratio Lower Upper  
43 100  
61 23.7 19.0 28.6

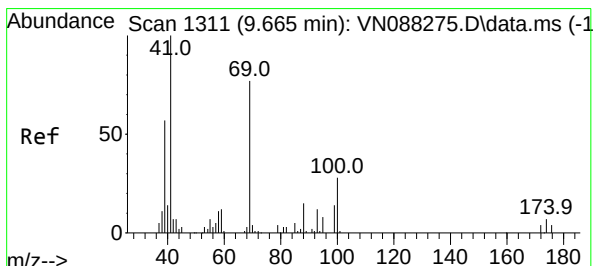
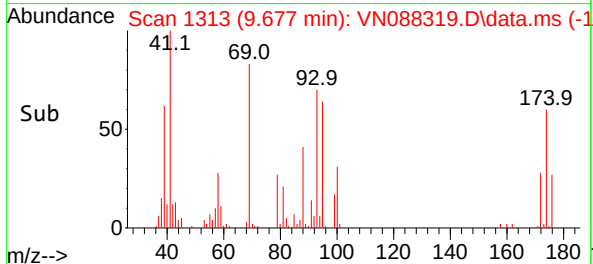
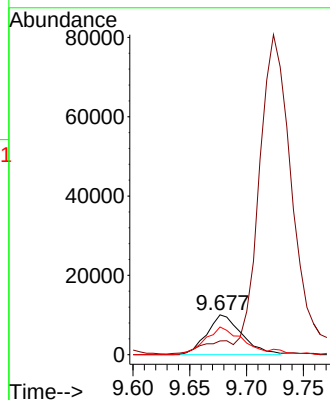
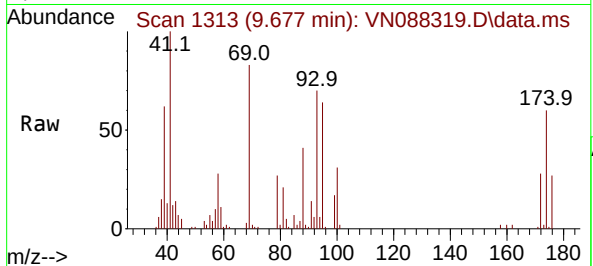




#45  
1,4-Dioxane  
Concen: 373.062 ug/l  
RT: 9.677 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

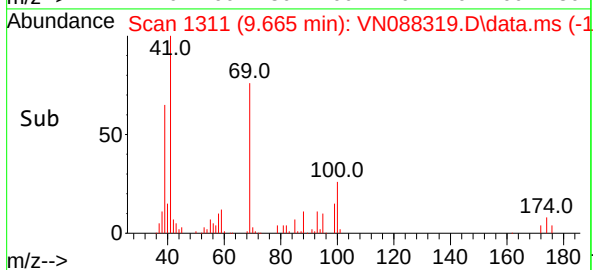
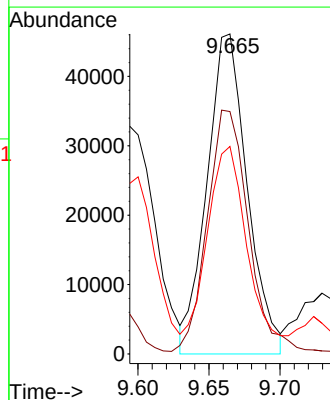
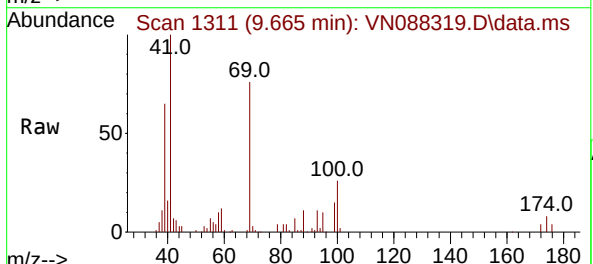
Instrument :  
MSVOA\_N  
ClientSampleId :

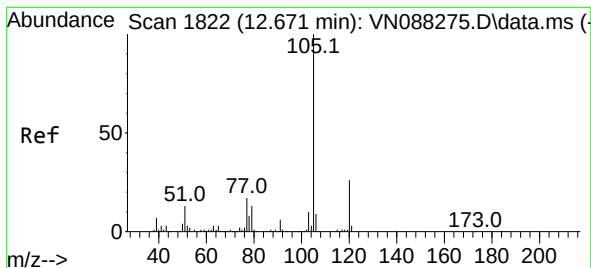
Tgt Ion: 88 Resp: 21463  
Ion Ratio Lower Upper  
88 100  
43 30.0 27.8 41.8  
58 72.2 59.5 89.3



#46  
Methyl methacrylate  
Concen: 20.376 ug/l  
RT: 9.665 min Scan# 1311  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 41 Resp: 91092  
Ion Ratio Lower Upper  
41 100  
69 78.0 38.5 115.3  
39 63.1 29.0 87.1





#47

n-amy1 Acetate

Concen: 0.258 ug/l

RT: 12.665 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

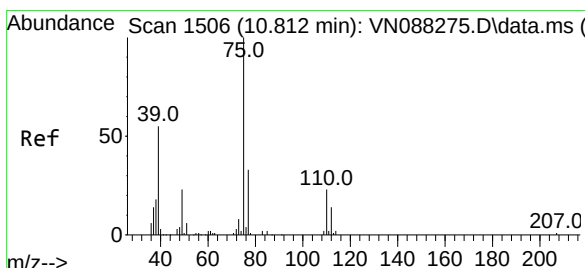
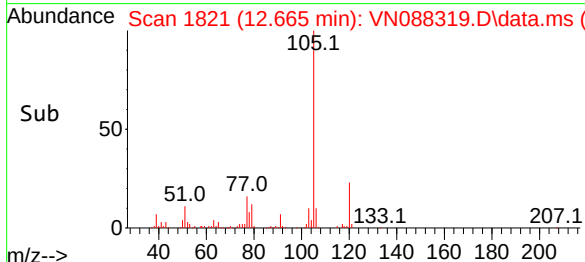
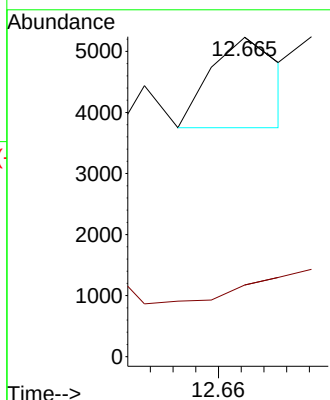
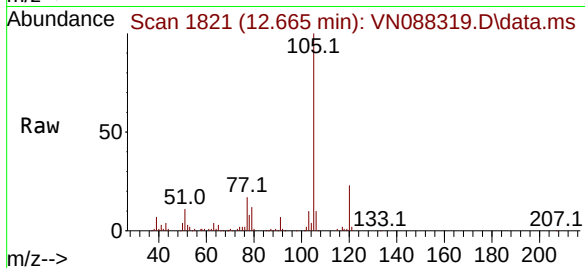
ClientSampleId :

Tgt Ion: 43 Resp: 1249

Ion Ratio Lower Upper

43 100

55 55.6 0.0 0.0#



#48

t-1,3-Dichloropropene

Concen: 20.346 ug/l

RT: 10.812 min Scan# 1506

Delta R.T. -0.000 min

Lab File: VN088319.D

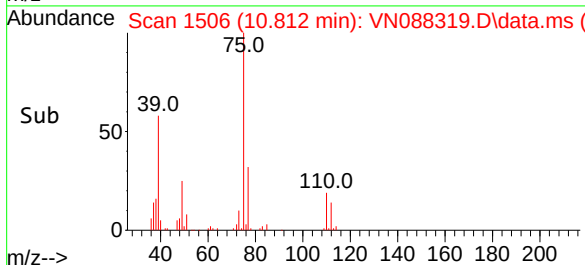
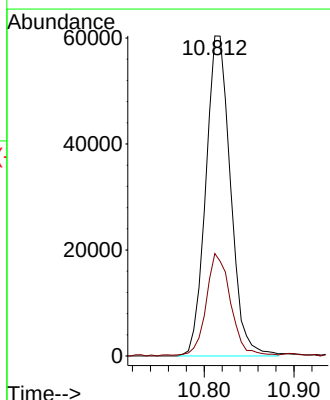
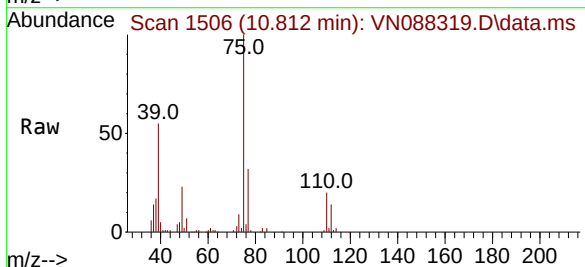
Acq: 20 Nov 2025 10:22

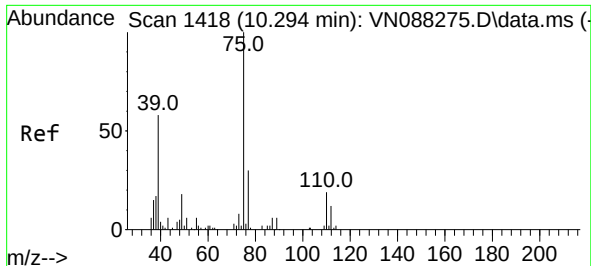
Tgt Ion: 75 Resp: 115612

Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1

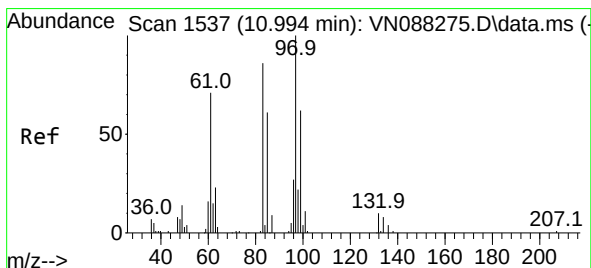
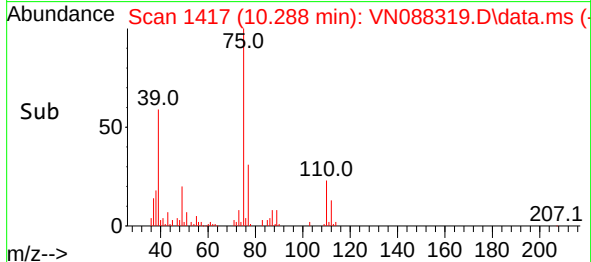
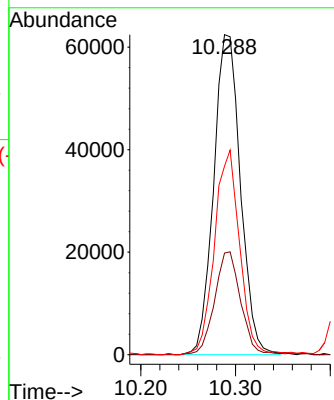
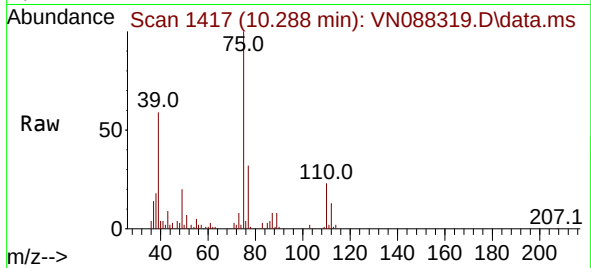




#49  
 cis-1,3-Dichloropropene  
 Concen: 20.748 ug/l  
 RT: 10.288 min Scan# 1417  
 Delta R.T. -0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

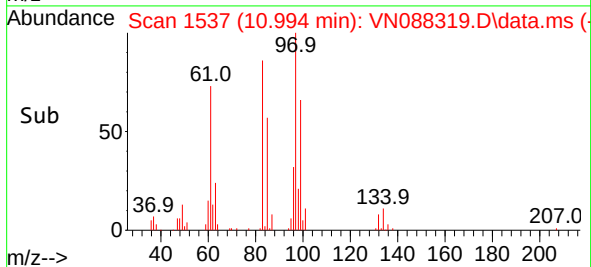
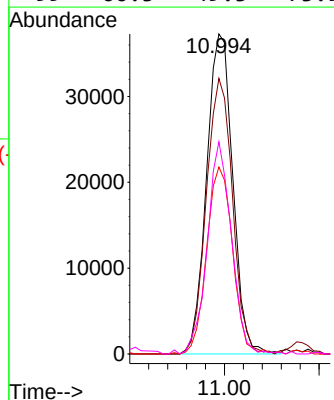
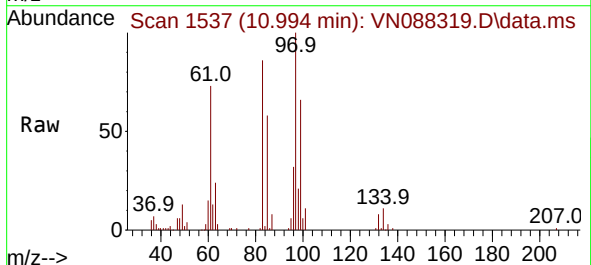
Instrument :  
 MSVOA\_N  
 ClientSampleId :

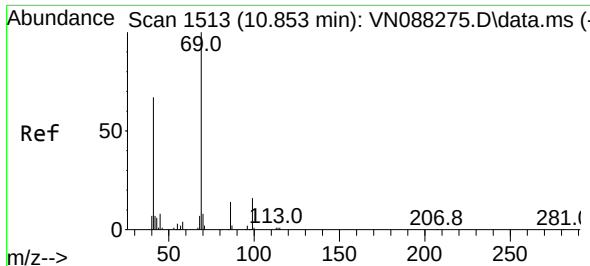
Tgt Ion: 75 Resp: 122671  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 24.4 36.6  
 39 58.9 46.1 69.1



#50  
 1,1,2-Trichloroethane  
 Concen: 21.929 ug/l  
 RT: 10.994 min Scan# 1537  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Tgt Ion: 97 Resp: 71560  
 Ion Ratio Lower Upper  
 97 100  
 83 86.1 68.6 102.8  
 85 58.4 49.0 73.6  
 99 66.3 49.3 73.9

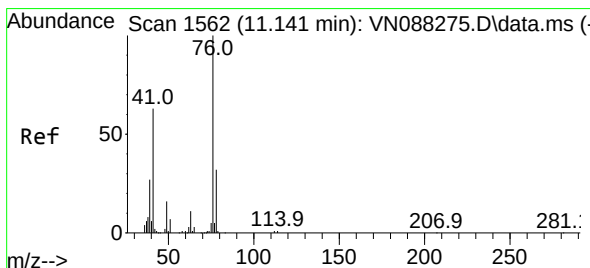
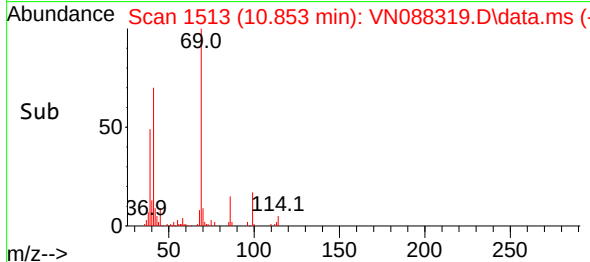
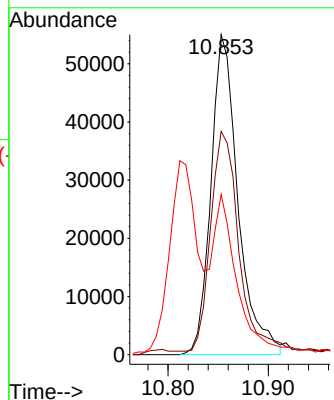
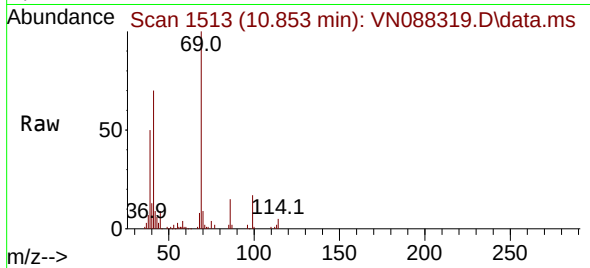




#51  
Ethyl methacrylate  
Concen: 19.276 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

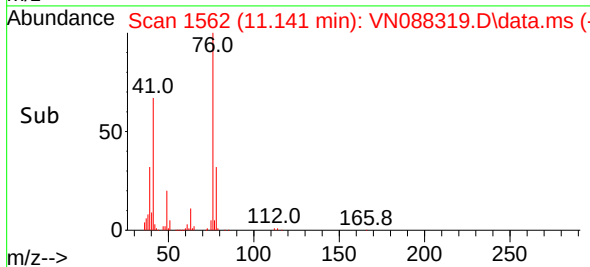
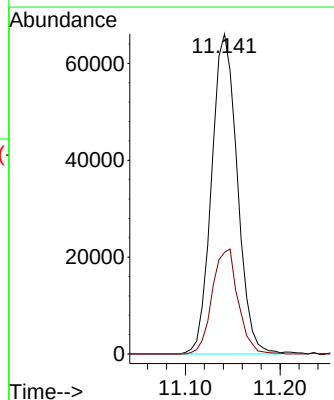
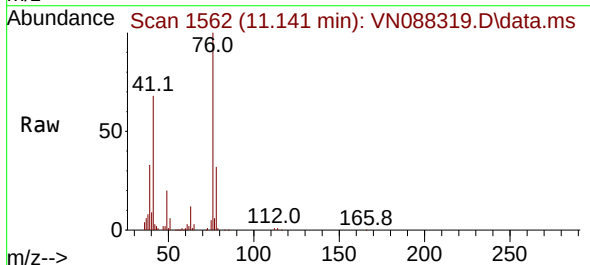
Instrument :  
MSVOA\_N  
ClientSampleId :

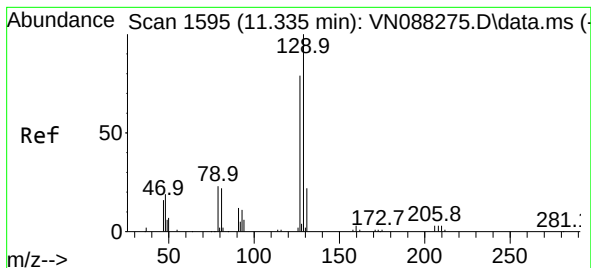
Tgt Ion: 69 Resp: 103494  
Ion Ratio Lower Upper  
69 100  
41 68.6 33.6 100.8  
39 47.6 23.4 70.2



#52  
1,3-Dichloropropane  
Concen: 20.949 ug/l  
RT: 11.141 min Scan# 1562  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 76 Resp: 124502  
Ion Ratio Lower Upper  
76 100  
78 32.9 0.0 64.2





#53

Dibromochloromethane

Concen: 21.664 ug/l

RT: 11.335 min Scan# 1595

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

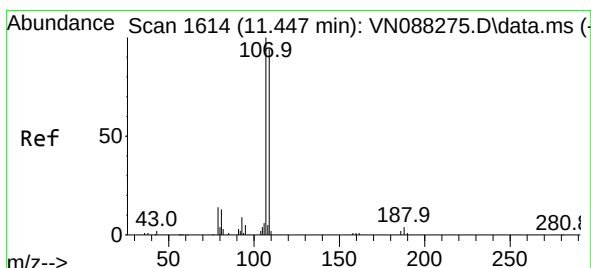
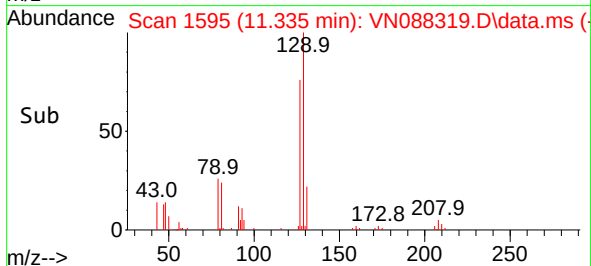
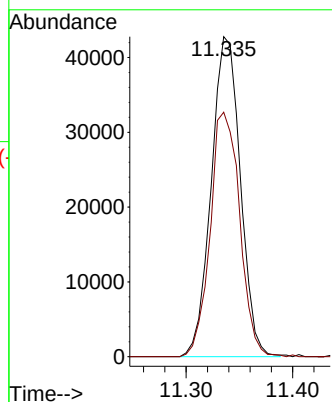
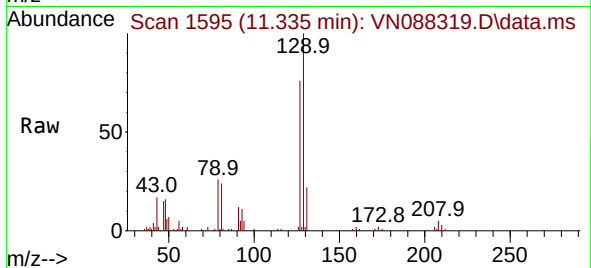
ClientSampleId :

Tgt Ion:129 Resp: 81206

Ion Ratio Lower Upper

129 100

127 77.2 38.2 114.6



#54

1,2-Dibromoethane

Concen: 21.037 ug/l

RT: 11.447 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VN088319.D

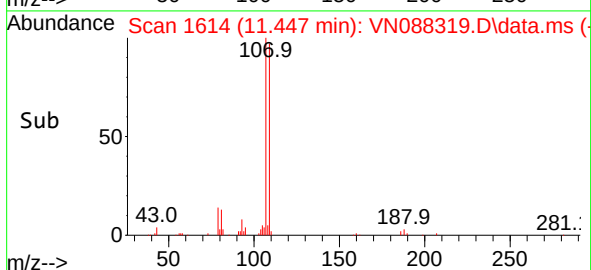
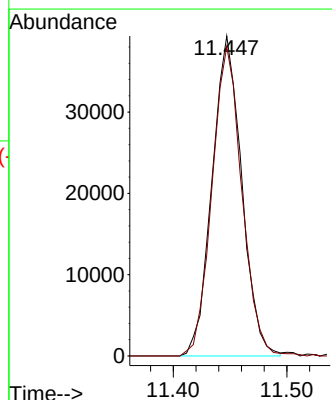
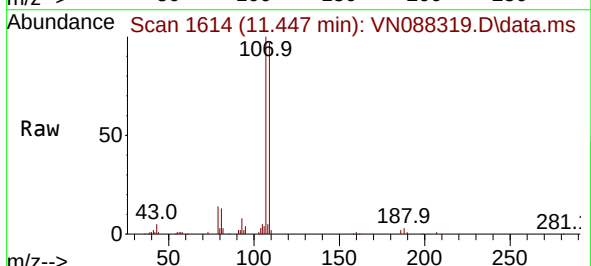
Acq: 20 Nov 2025 10:22

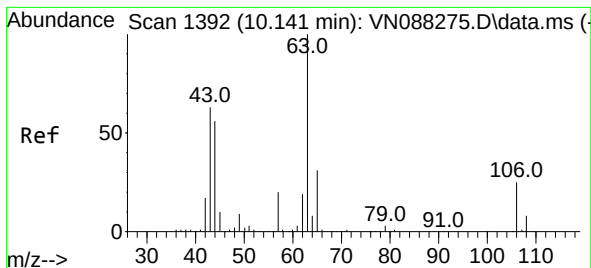
Tgt Ion:107 Resp: 71329

Ion Ratio Lower Upper

107 100

109 97.3 76.6 115.0

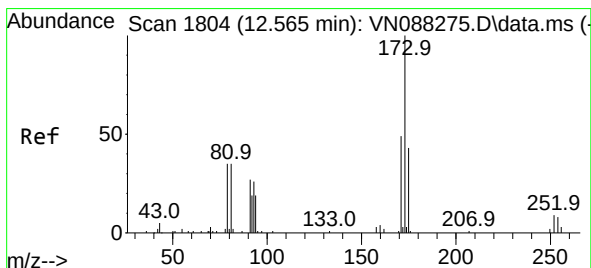
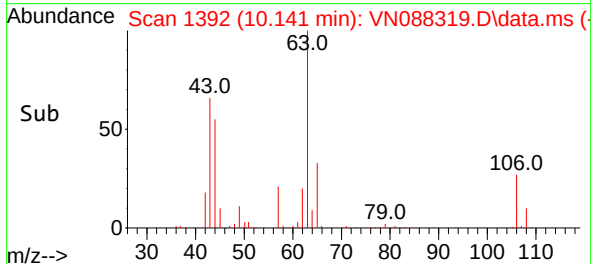
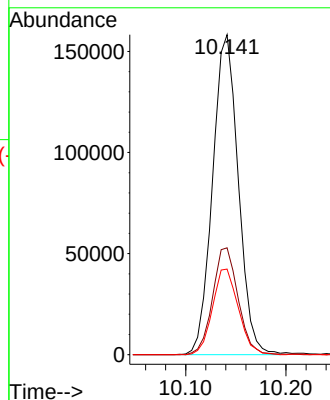
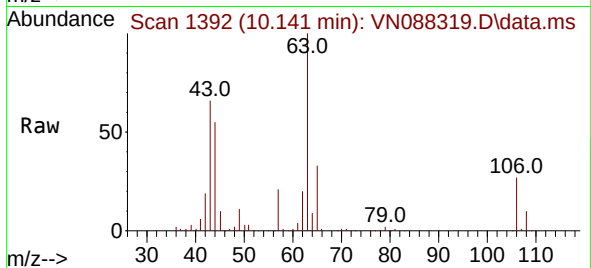




#55  
2-Chloroethyl vinyl ether  
Concen: 91.244 ug/l  
RT: 10.141 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

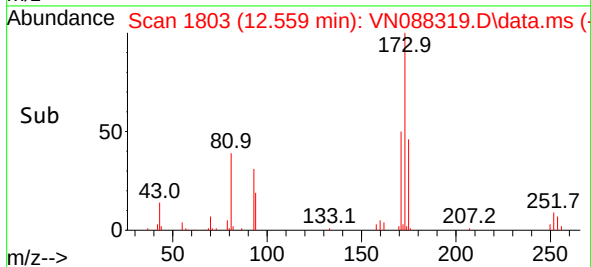
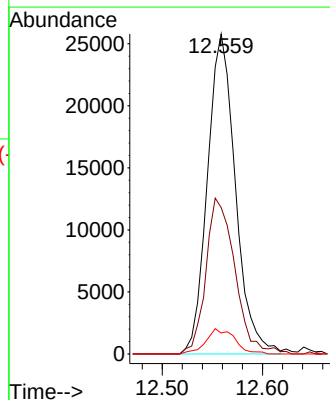
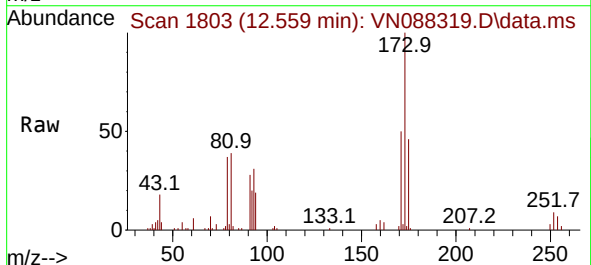
Instrument :  
MSVOA\_N  
ClientSampleId :

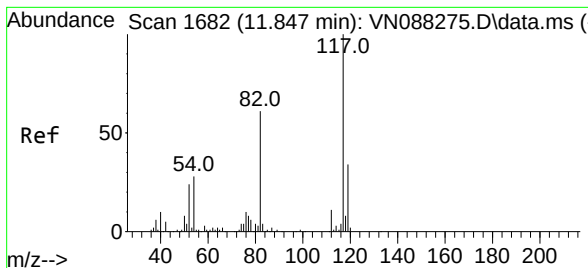
Tgt Ion: 63 Resp: 282197  
Ion Ratio Lower Upper  
63 100  
65 33.1 24.9 37.3  
106 27.0 20.3 30.5



#56  
Bromoform  
Concen: 21.117 ug/l  
RT: 12.559 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

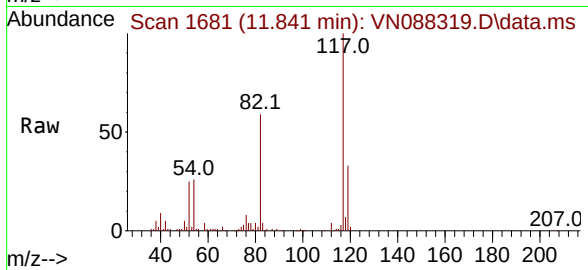
Tgt Ion:173 Resp: 50101  
Ion Ratio Lower Upper  
173 100  
175 49.8 37.7 56.5  
254 8.0 5.9 8.9



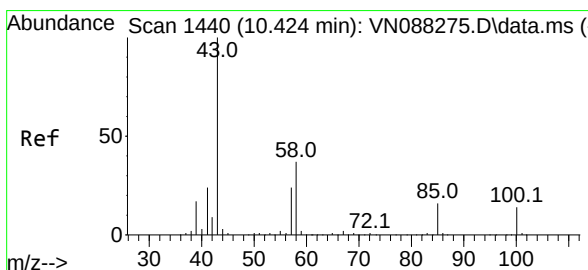
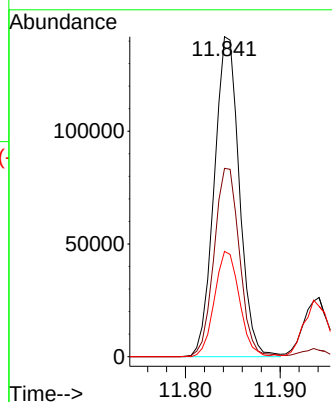
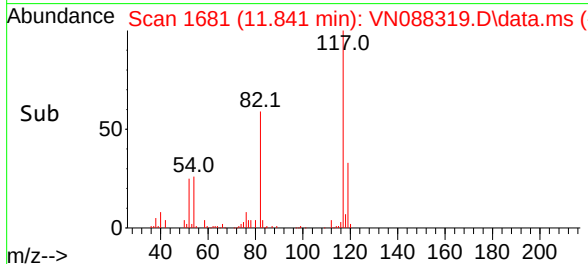


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.841 min Scan# 1170  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

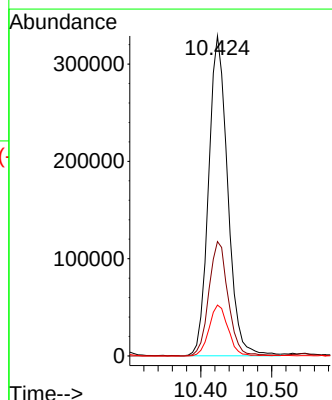
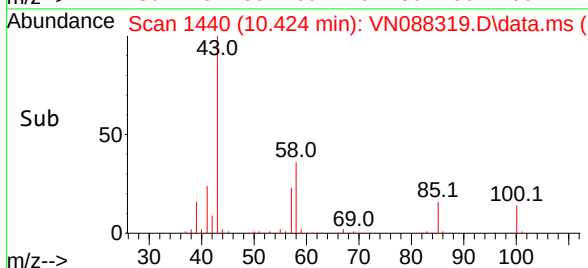
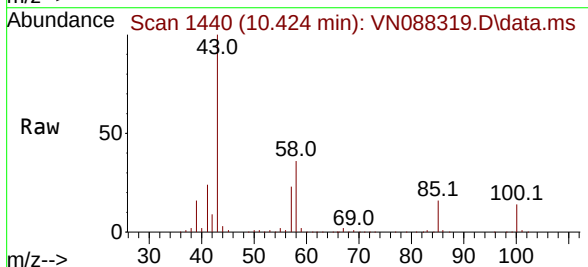


Tgt Ion:117 Resp: 261605  
Ion Ratio Lower Upper  
117 100  
82 59.6 49.3 73.9  
119 32.6 26.4 39.6

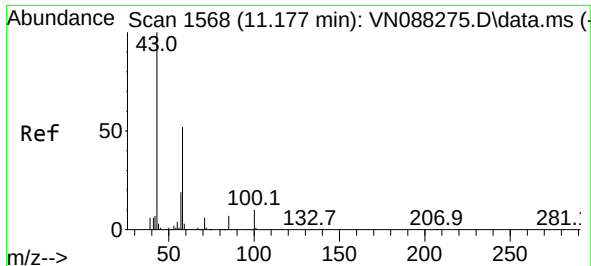


#58  
4-Methyl-2-Pentanone  
Concen: 103.918 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 43 Resp: 614867  
Ion Ratio Lower Upper  
43 100  
58 36.2 29.2 43.8  
85 15.8 12.6 19.0

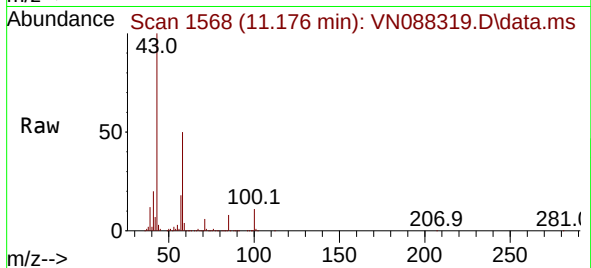




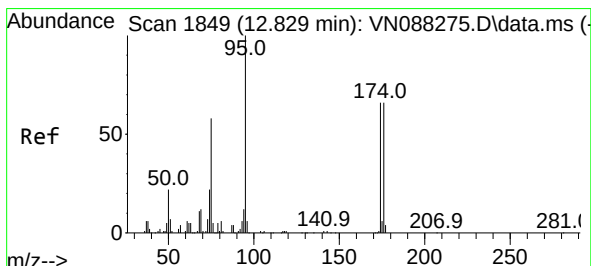
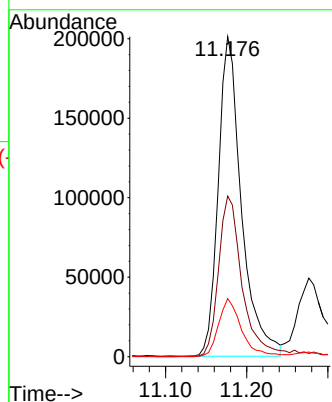
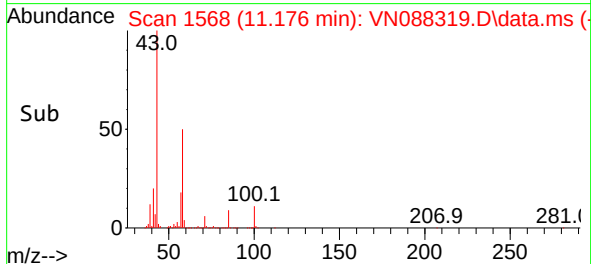


#59  
2-Hexanone  
Concen: 101.566 ug/l  
RT: 11.176 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

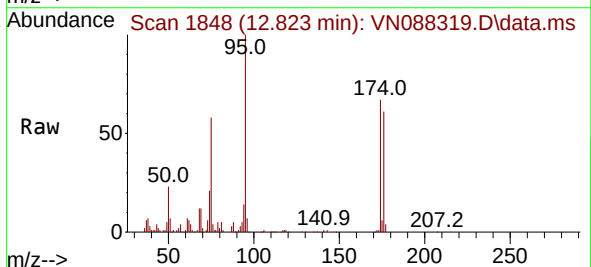
Instrument :  
MSVOA\_N  
ClientSampleId :



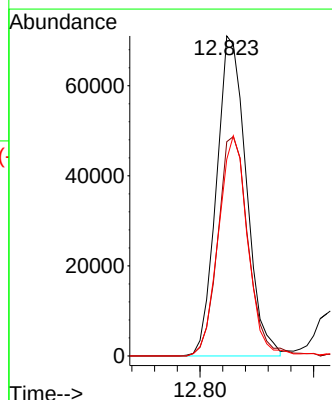
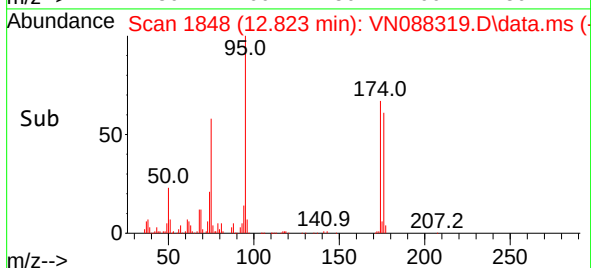
Tgt Ion: 43 Resp: 399048  
Ion Ratio Lower Upper  
43 100  
58 51.2 41.0 61.4  
57 17.6 14.4 21.6

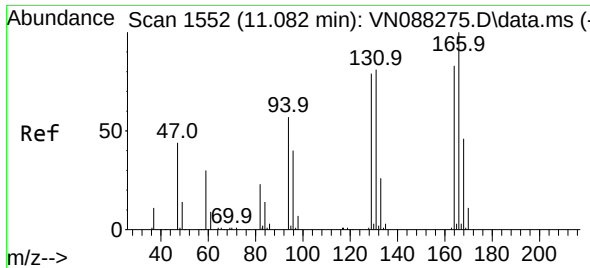


#60  
4-Bromofluorobenzene  
Concen: 29.253 ug/l  
RT: 12.823 min Scan# 1848  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22



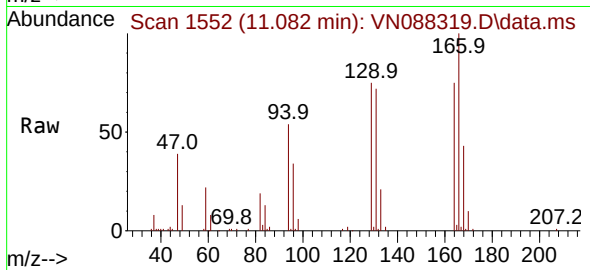
Tgt Ion: 95 Resp: 129366  
Ion Ratio Lower Upper  
95 100  
174 69.9 54.5 81.7  
176 67.6 53.8 80.6



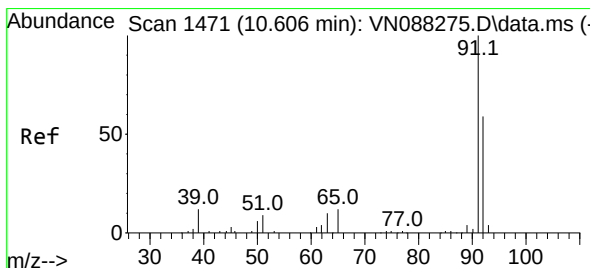
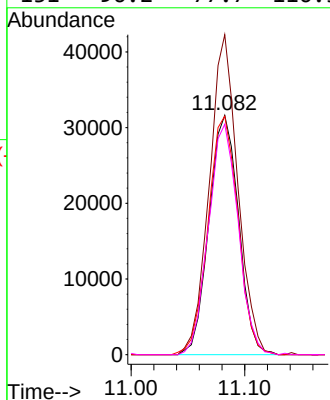
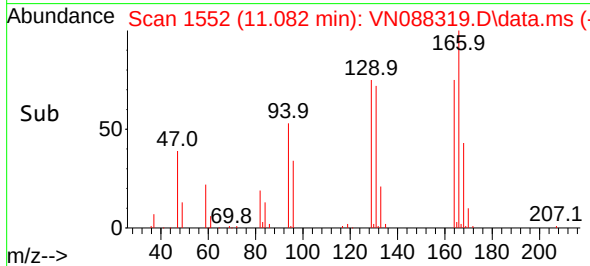


#61  
Tetrachloroethene  
Concen: 21.201 ug/l  
RT: 11.082 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Instrument :  
MSVOA\_N  
ClientSampleId :

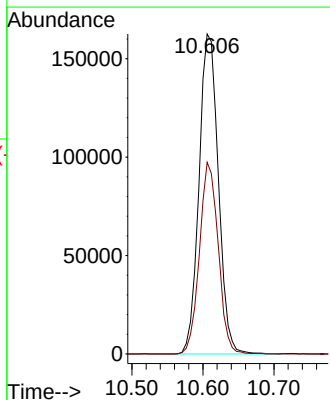
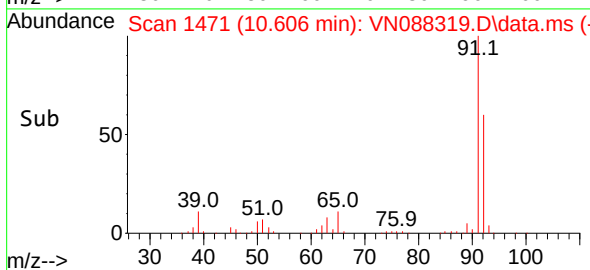
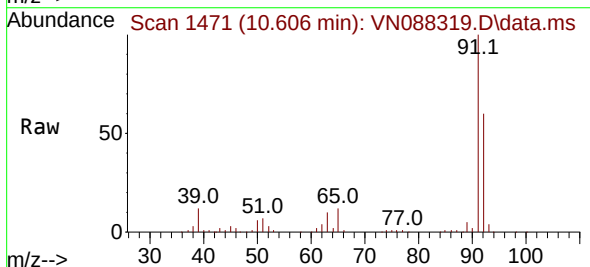


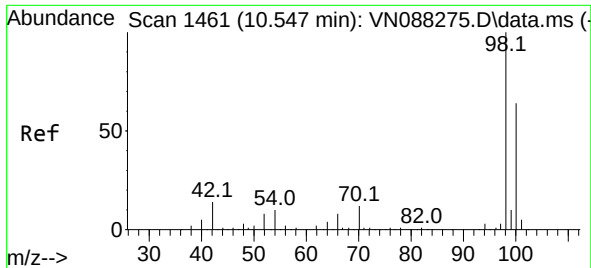
Tgt Ion:164 Resp: 57183  
Ion Ratio Lower Upper  
164 100  
166 133.7 96.3 144.5  
129 99.6 76.2 114.2  
131 96.2 77.7 116.5



#62  
Toluene  
Concen: 20.550 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 91 Resp: 308506  
Ion Ratio Lower Upper  
91 100  
92 58.0 46.7 70.1

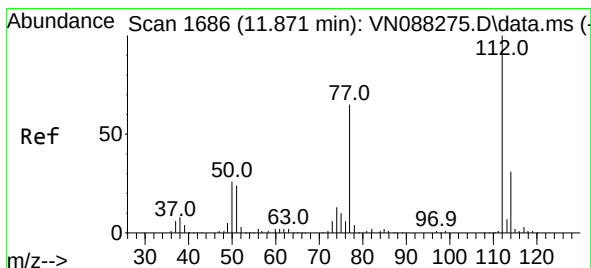
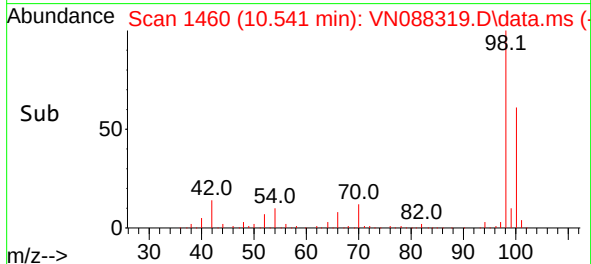
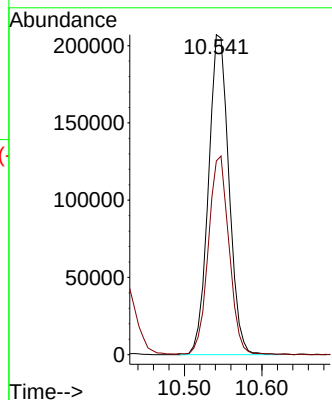
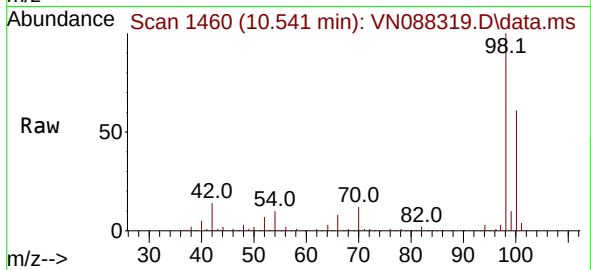




#63  
Toluene-d8  
Concen: 30.691 ug/l  
RT: 10.541 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

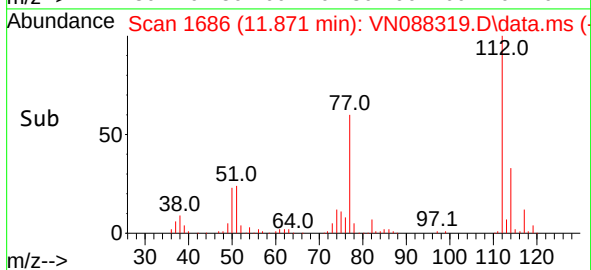
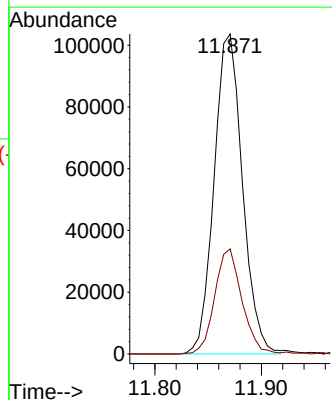
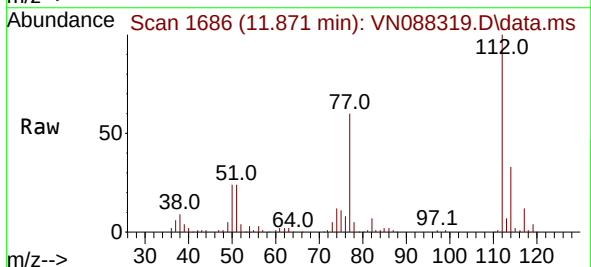
Instrument :  
MSVOA\_N  
ClientSampleId :

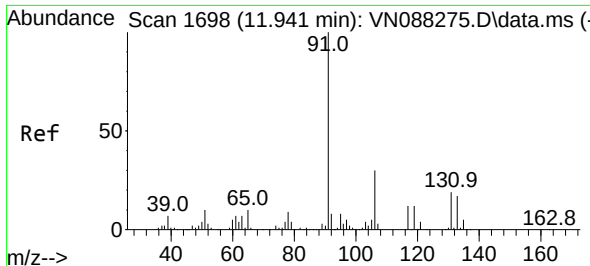
Tgt Ion: 98 Resp: 380124  
Ion Ratio Lower Upper  
98 100  
100 62.5 51.6 77.4



#64  
Chlorobenzene  
Concen: 20.608 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 112 Resp: 191612  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.0 37.4

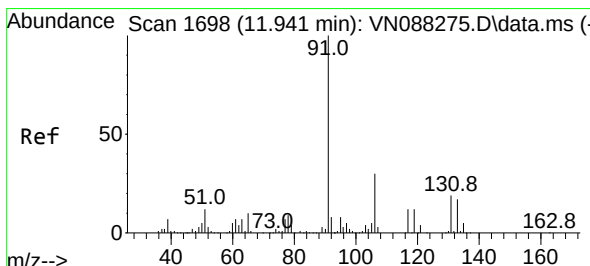
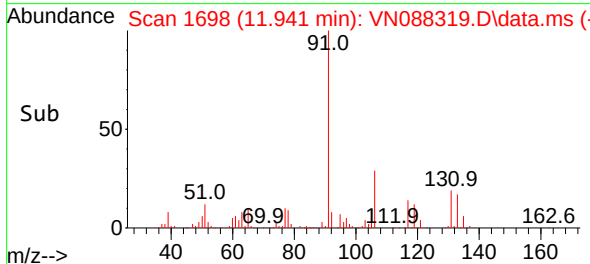
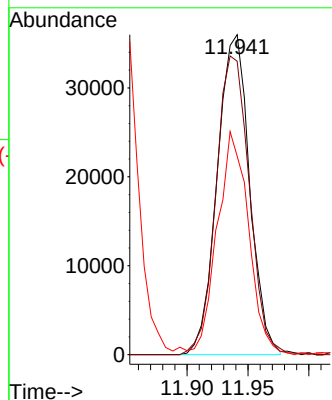
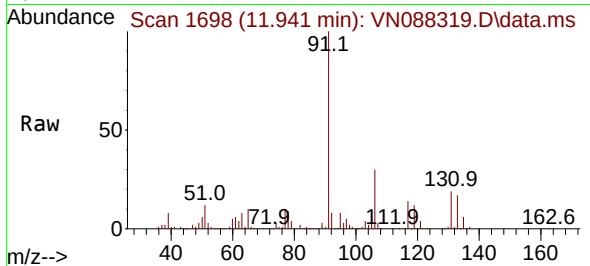




#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.913 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

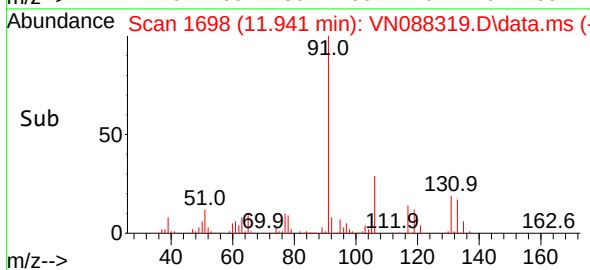
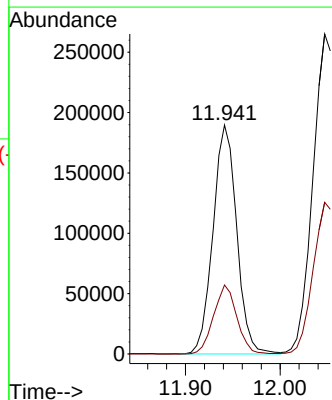
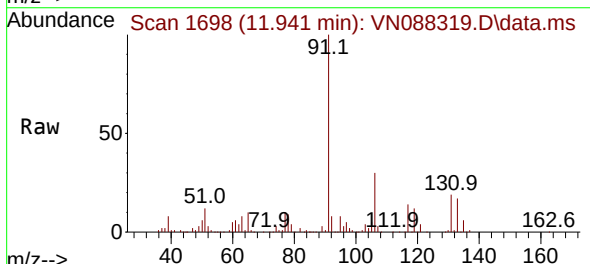
Instrument :  
MSVOA\_N  
ClientSampleId :

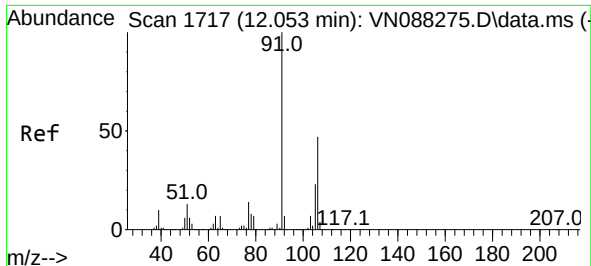
Tgt Ion:131 Resp: 66552  
Ion Ratio Lower Upper  
131 100  
133 95.9 0.0 181.4  
119 67.4 0.0 135.0



#66  
Ethyl Benzene  
Concen: 19.921 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 91 Resp: 329608  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.4 36.6

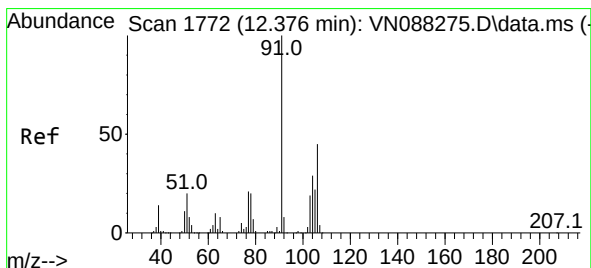
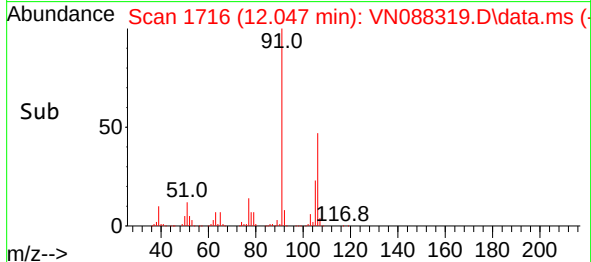
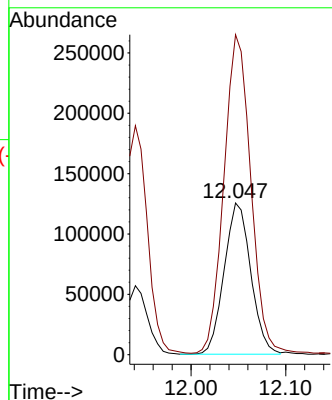
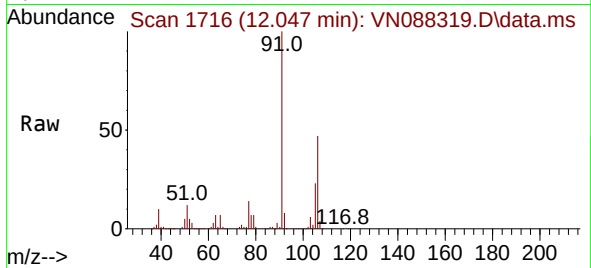




#67  
m/p-Xylenes  
Concen: 39.540 ug/l  
RT: 12.047 min Scan# 1716  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

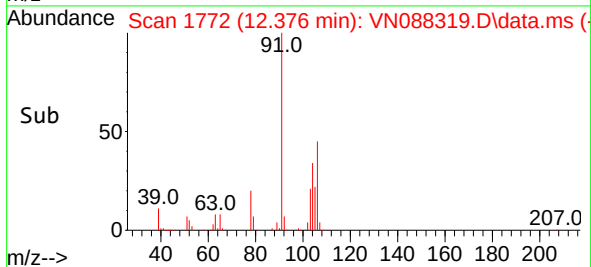
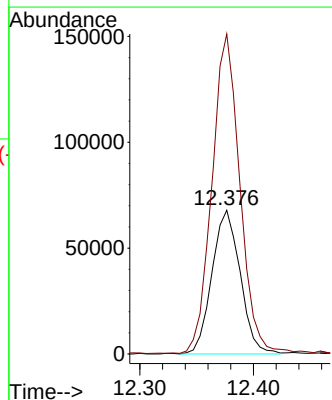
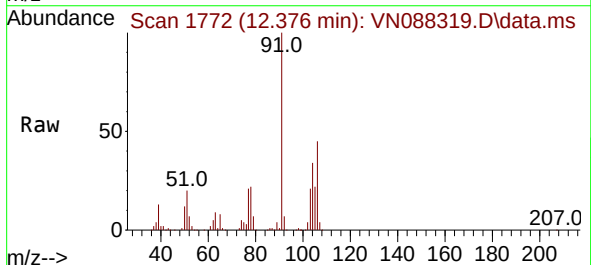
Instrument :  
MSVOA\_N  
ClientSampleId :

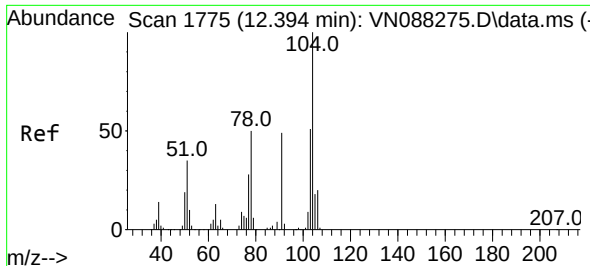
Tgt Ion:106 Resp: 244655  
Ion Ratio Lower Upper  
106 100  
91 215.2 168.3 252.5



#68  
o-Xylene  
Concen: 20.102 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

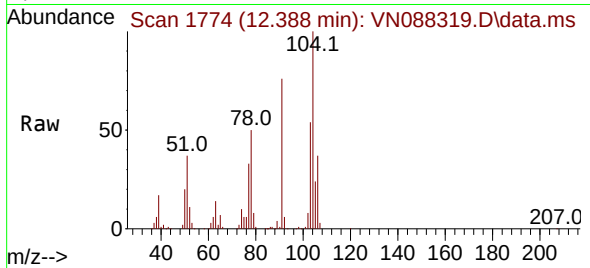
Tgt Ion:106 Resp: 117332  
Ion Ratio Lower Upper  
106 100  
91 219.8 114.0 342.0



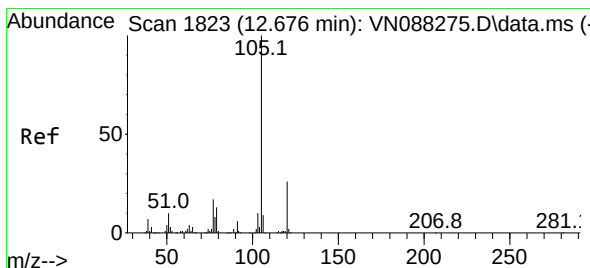
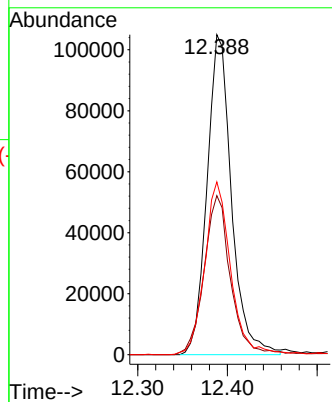
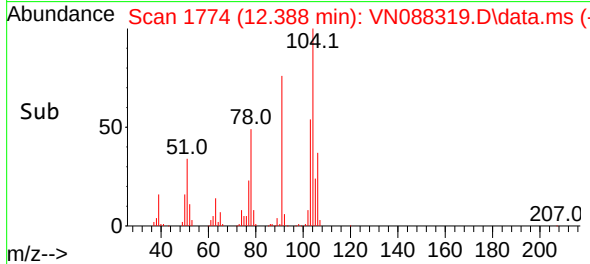


#69  
Styrene  
Concen: 20.062 ug/l  
RT: 12.388 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

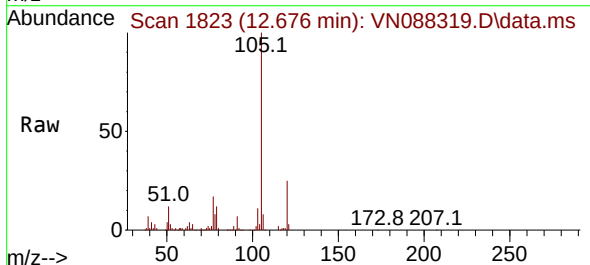
Instrument :  
MSVOA\_N  
ClientSampleId :



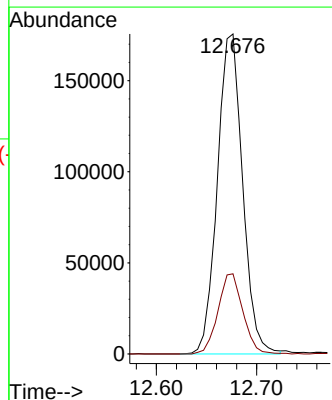
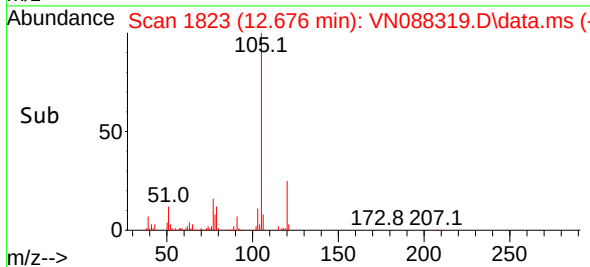
Tgt Ion:104 Resp: 198890  
Ion Ratio Lower Upper  
104 100  
78 53.3 43.8 65.8  
103 55.5 44.8 67.2

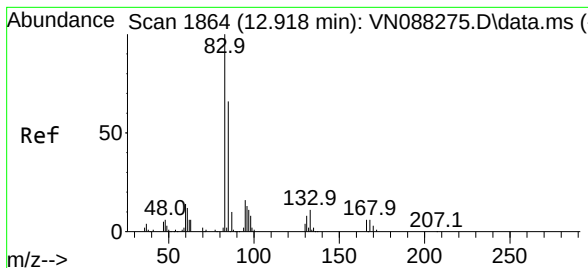


#70  
Isopropylbenzene  
Concen: 19.856 ug/l  
RT: 12.676 min Scan# 1823  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22



Tgt Ion:105 Resp: 307152  
Ion Ratio Lower Upper  
105 100  
120 24.6 18.2 33.8

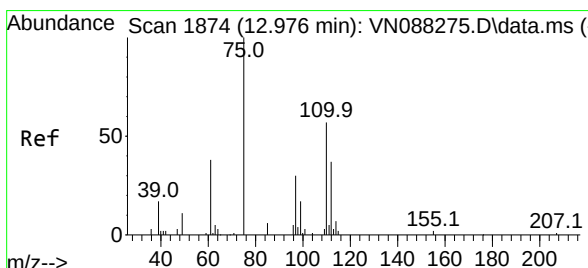
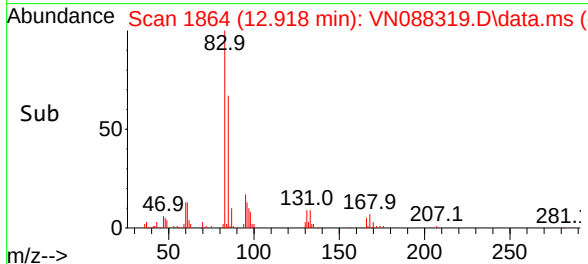
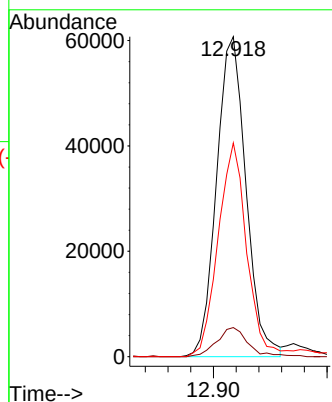
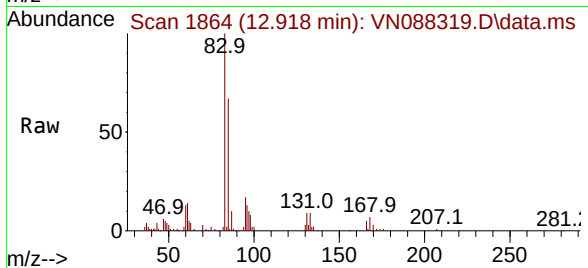




#71  
 1,1,2-Tetrachloroethane  
 Concen: 21.821 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

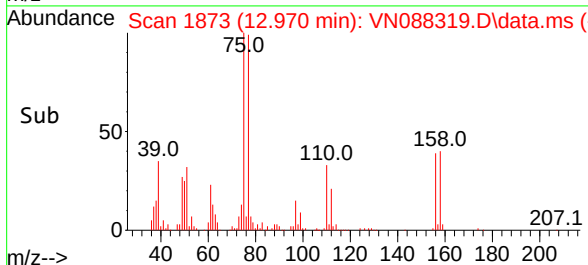
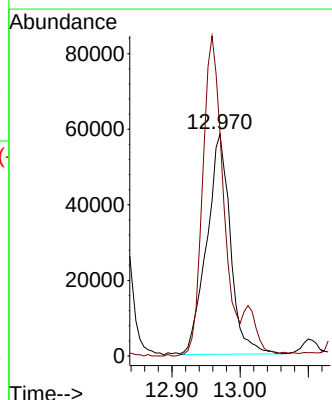
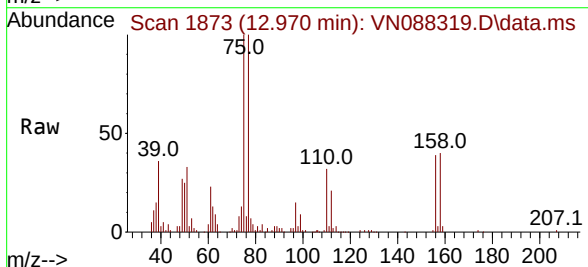
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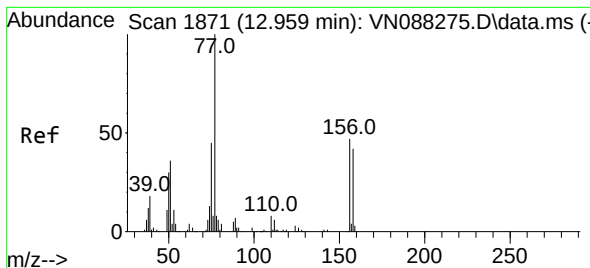
Tgt Ion: 83 Resp: 109342  
 Ion Ratio Lower Upper  
 83 100  
 131 9.0 4.3 12.9  
 85 64.3 32.4 97.2



#72  
 1,2,3-Trichloropropane  
 Concen: 29.004 ug/l  
 RT: 12.970 min Scan# 1873  
 Delta R.T. -0.006 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Tgt Ion: 75 Resp: 140792  
 Ion Ratio Lower Upper  
 75 100  
 77 125.3 0.0 386.6





#73

Bromobenzene

Concen: 21.016 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

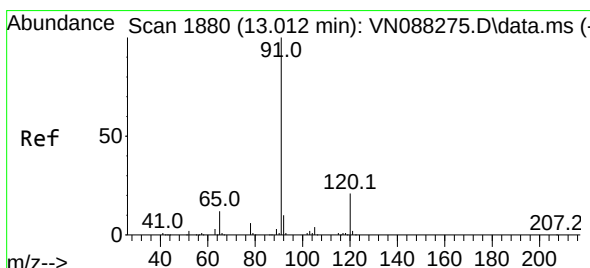
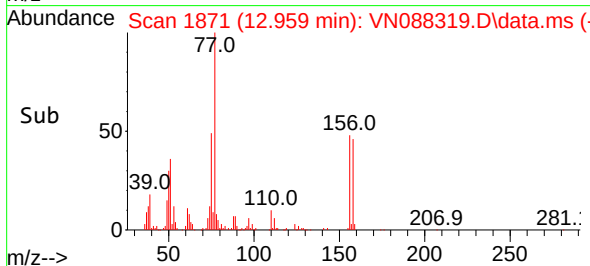
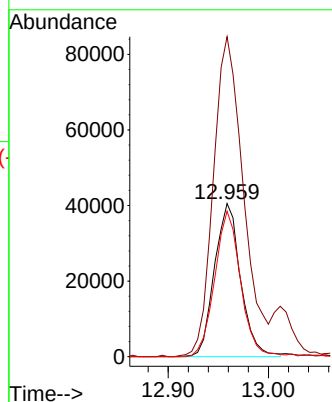
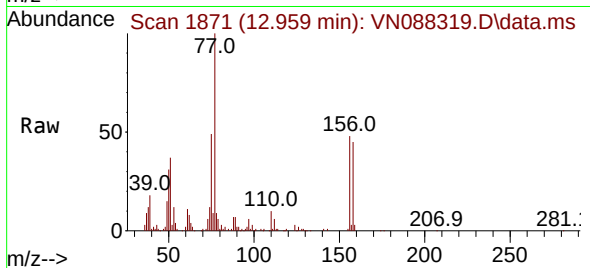
Tgt Ion:156 Resp: 73392

Ion Ratio Lower Upper

156 100

77 240.3 0.0 493.4

158 93.9 0.0 193.4



#74

n-propylbenzene

Concen: 20.184 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088319.D

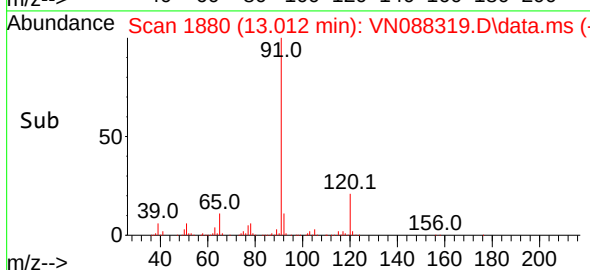
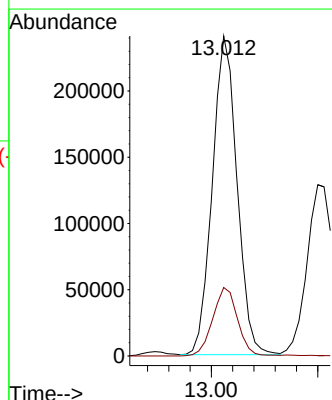
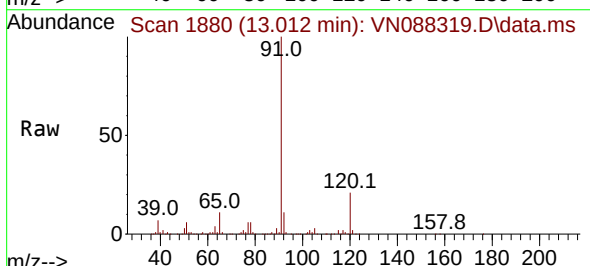
Acq: 20 Nov 2025 10:22

Tgt Ion: 91 Resp: 386385

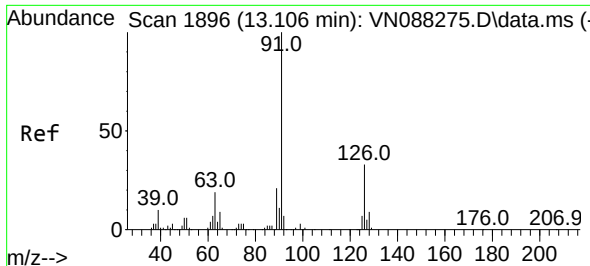
Ion Ratio Lower Upper

91 100

120 21.6 0.0 43.2



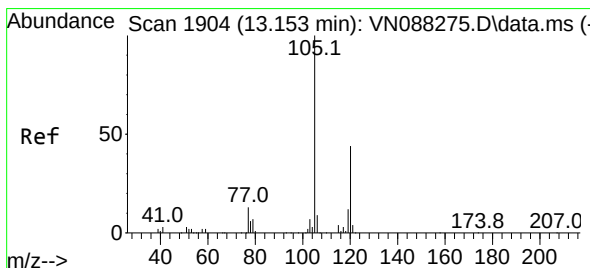
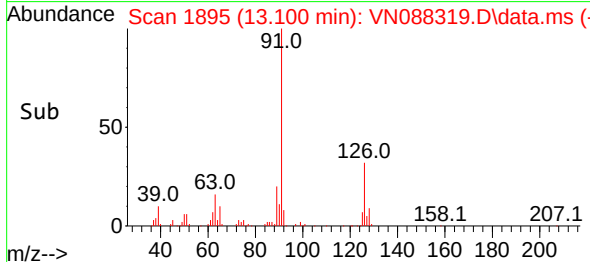
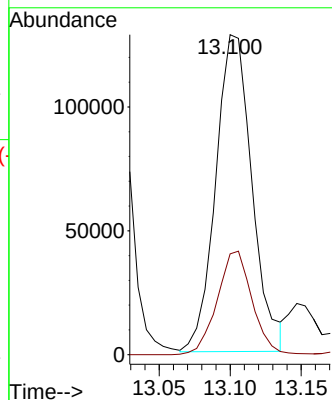
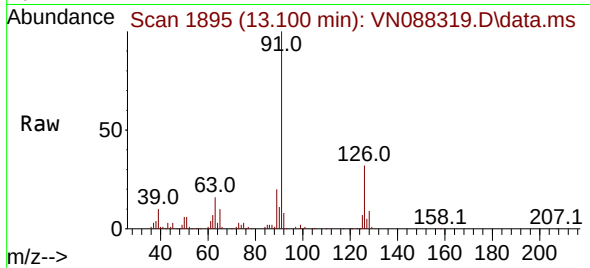




#75  
2-Chlorotoluene  
Concen: 19.555 ug/l  
RT: 13.100 min Scan# 1896  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

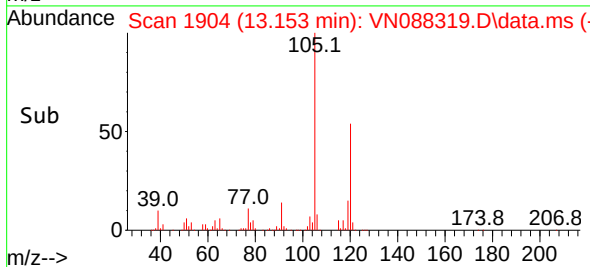
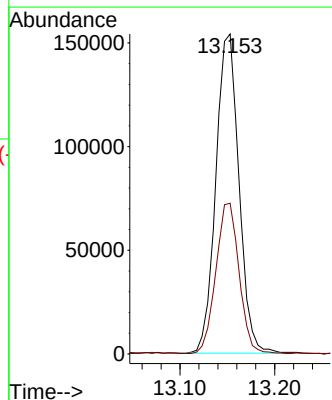
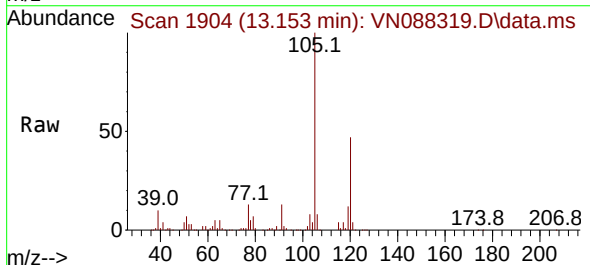
Instrument :  
MSVOA\_N  
ClientSampleId :

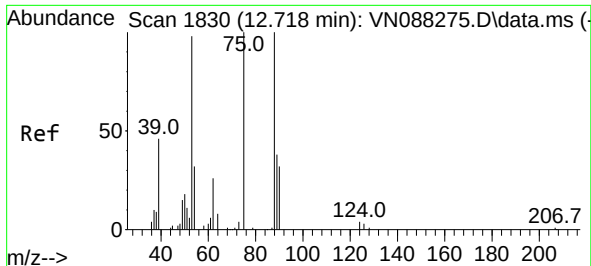
Tgt Ion: 91 Resp: 227632  
Ion Ratio Lower Upper  
91 100  
126 31.5 0.0 62.0



#76  
1,3,5-Trimethylbenzene  
Concen: 20.075 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 105 Resp: 260668  
Ion Ratio Lower Upper  
105 100  
120 47.7 0.0 94.6

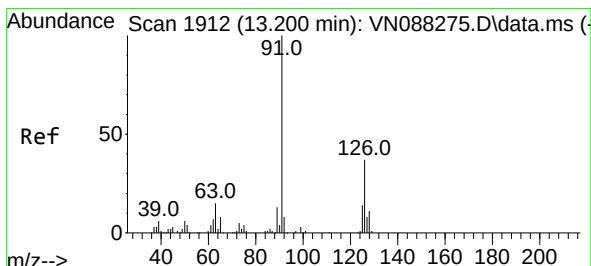
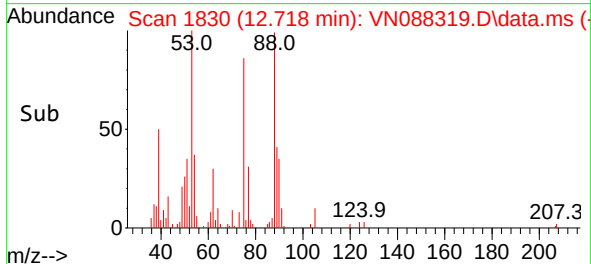
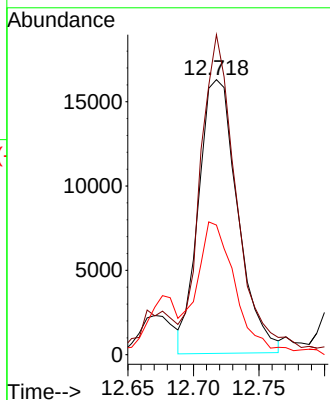
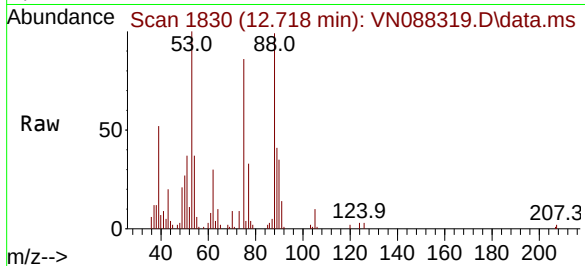




#77  
 t-1,4-Dichloro-2-butene  
 Concen: 20.190 ug/l  
 RT: 12.718 min Scan# 1830  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

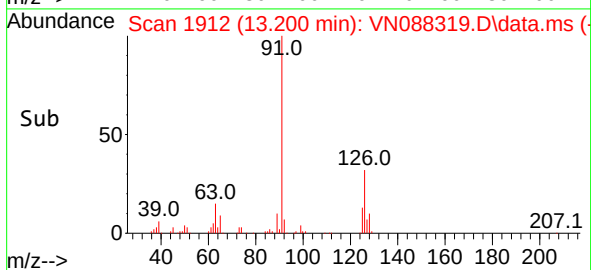
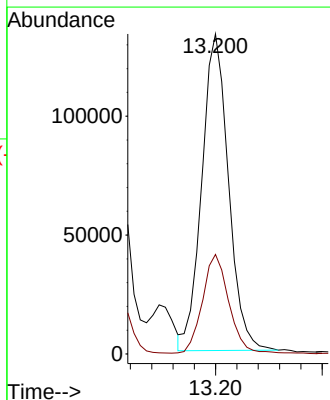
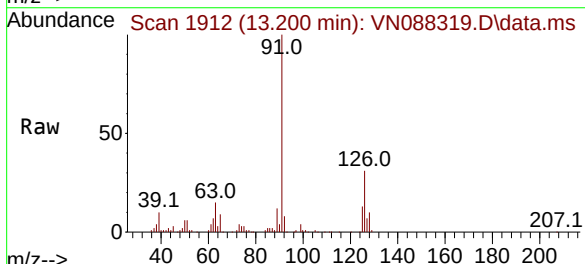
Instrument :  
 MSVOA\_N  
 ClientSampleId :

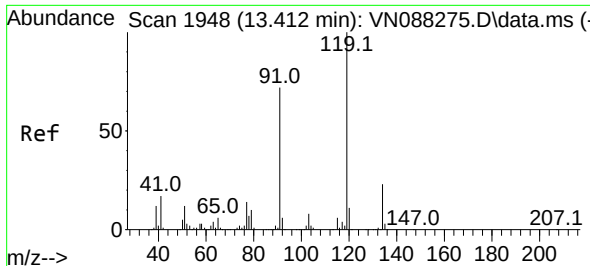
Tgt Ion: 75 Resp: 33658  
 Ion Ratio Lower Upper  
 75 100  
 53 115.8 50.0 150.0  
 89 46.8 22.3 66.9



#78  
 4-Chlorotoluene  
 Concen: 19.637 ug/l  
 RT: 13.200 min Scan# 1912  
 Delta R.T. -0.000 min  
 Lab File: VN088319.D  
 Acq: 20 Nov 2025 10:22

Tgt Ion: 91 Resp: 231642  
 Ion Ratio Lower Upper  
 91 100  
 126 30.6 0.0 60.8

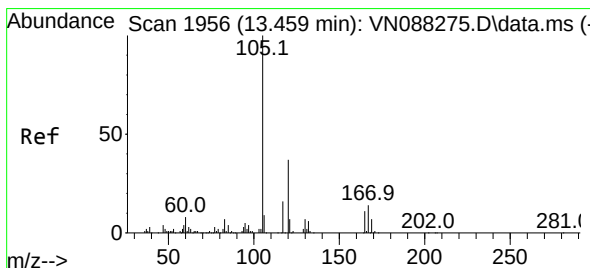
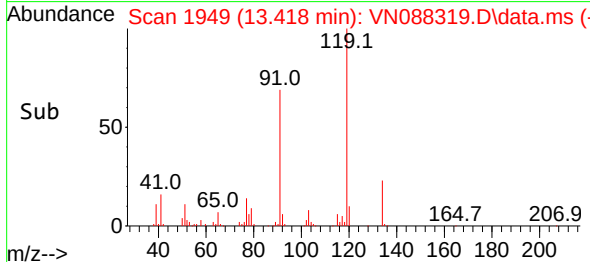
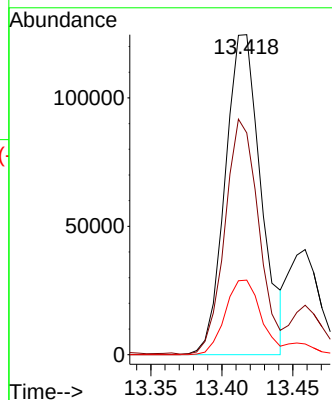
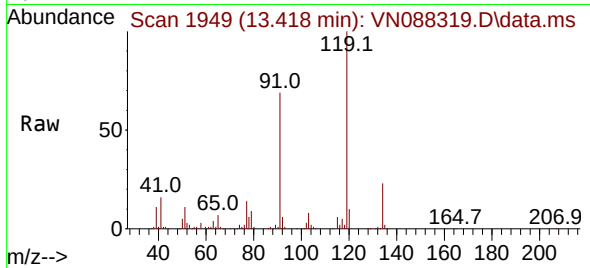




#79  
tert-butylbenzene  
Concen: 19.678 ug/l  
RT: 13.418 min Scan# 1948  
Delta R.T. 0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

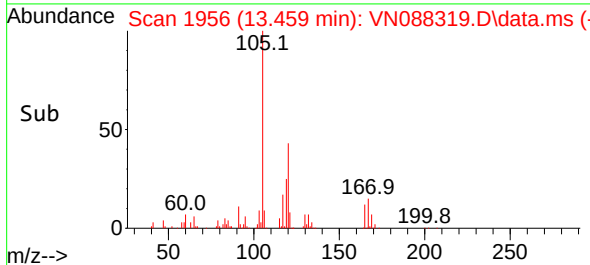
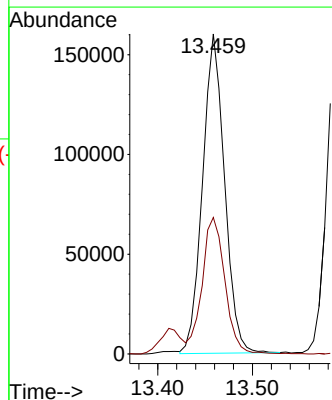
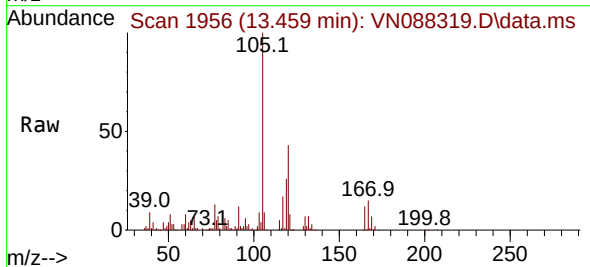
Instrument :  
MSVOA\_N  
ClientSampleId :

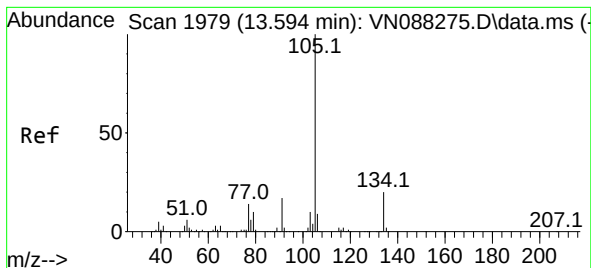
Tgt Ion:119 Resp: 218757  
Ion Ratio Lower Upper  
119 100  
91 69.3 0.0 140.8  
134 23.1 0.0 48.4



#80  
1,2,4-Trimethylbenzene  
Concen: 20.004 ug/l  
RT: 13.459 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion:105 Resp: 258295  
Ion Ratio Lower Upper  
105 100  
120 43.9 0.0 89.2





#81

sec-Butylbenzene

Concen: 20.170 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

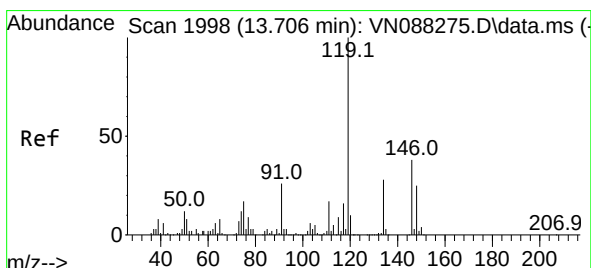
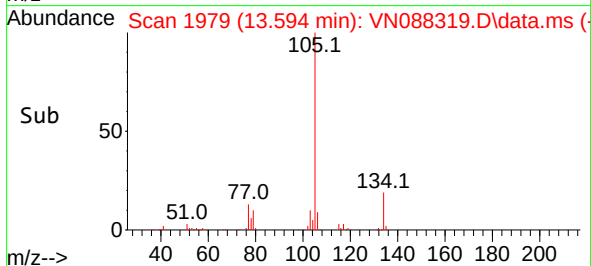
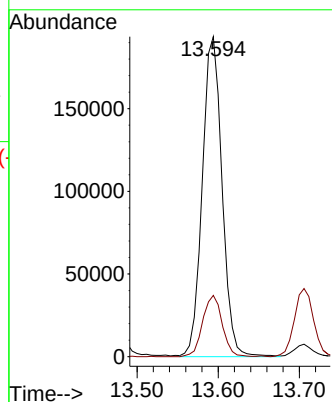
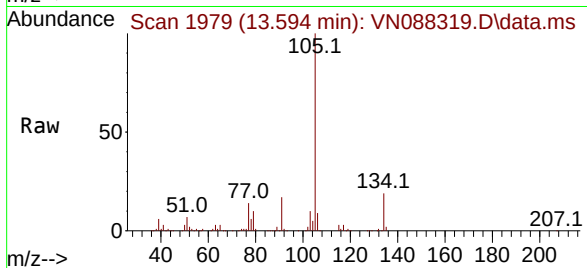
ClientSampleId :

Tgt Ion:105 Resp: 327046

Ion Ratio Lower Upper

105 100

134 18.9 0.0 38.4



#82

p-Isopropyltoluene

Concen: 19.803 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

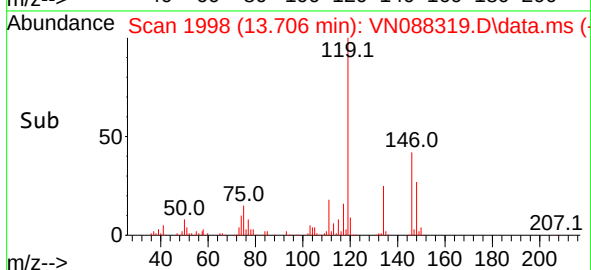
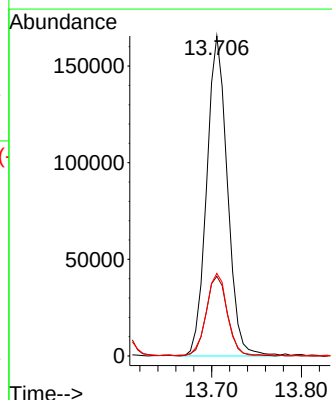
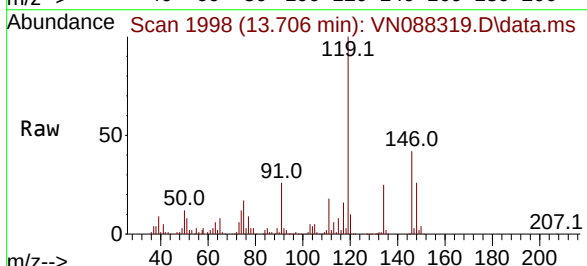
Tgt Ion:119 Resp: 265333

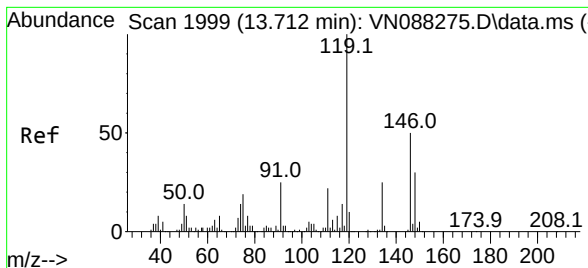
Ion Ratio Lower Upper

119 100

134 25.5 0.0 51.2

91 25.8 0.0 53.4





#83

1,3-Dichlorobenzene

Concen: 20.829 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

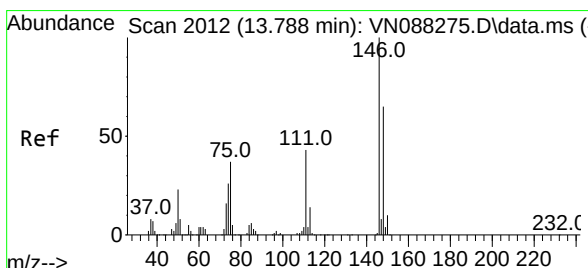
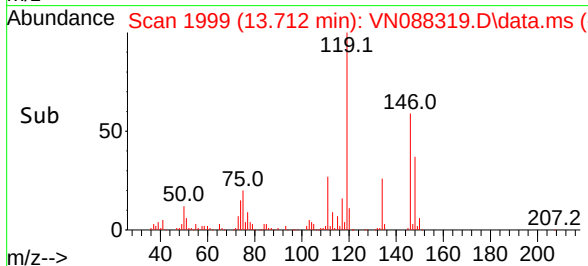
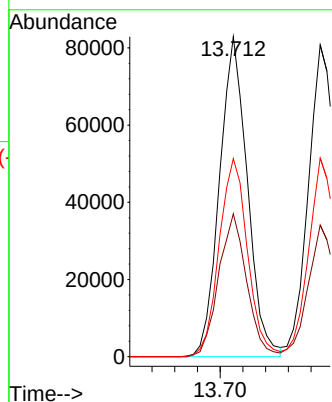
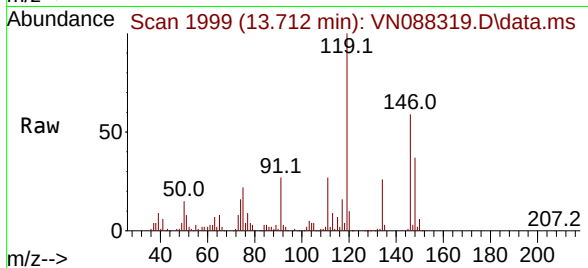
Tgt Ion:146 Resp: 141326

Ion Ratio Lower Upper

146 100

111 45.0 22.1 66.5

148 63.2 31.4 94.3



#84

1,4-Dichlorobenzene

Concen: 20.767 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

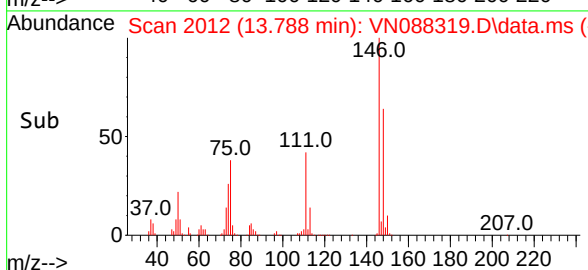
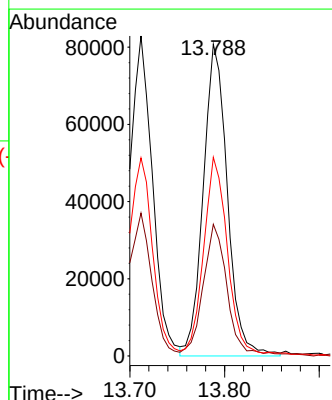
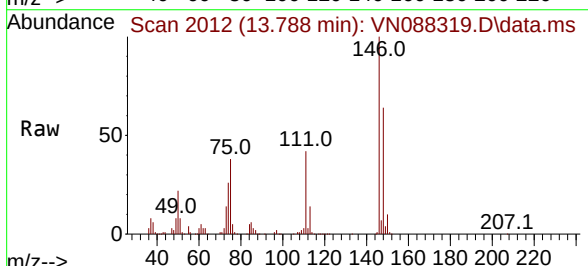
Tgt Ion:146 Resp: 142695

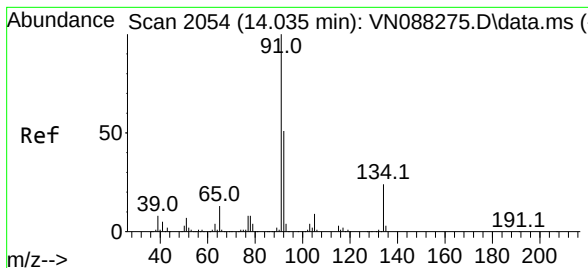
Ion Ratio Lower Upper

146 100

111 38.3 21.8 65.3

148 61.0 31.9 95.5





#85

n-Butylbenzene

Concen: 20.012 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

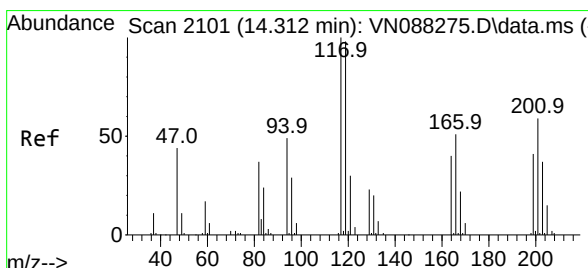
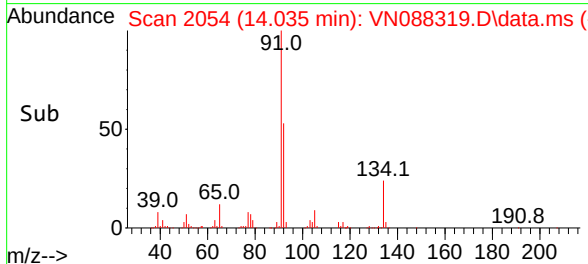
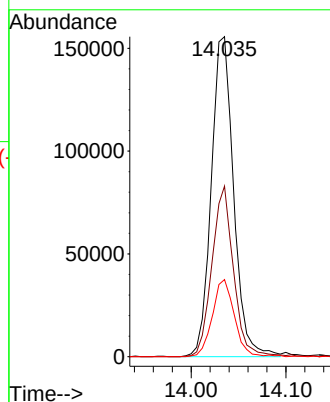
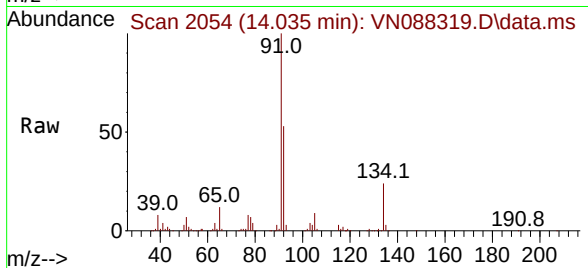
Tgt Ion: 91 Resp: 255540

Ion Ratio Lower Upper

91 100

92 51.3 0.0 102.4

134 23.5 0.0 45.8



#86

Hexachloroethane

Concen: 20.070 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. -0.000 min

Lab File: VN088319.D

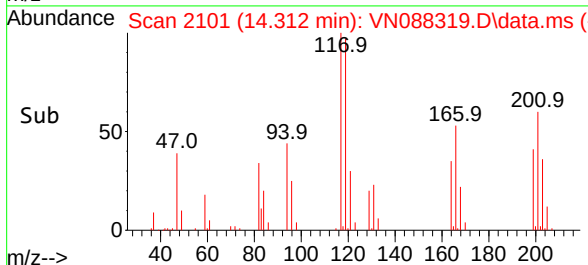
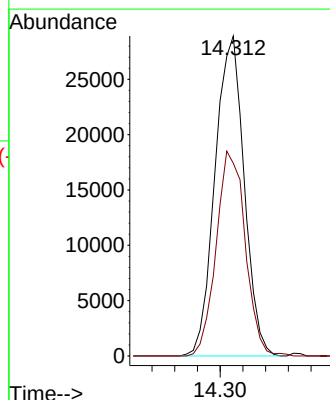
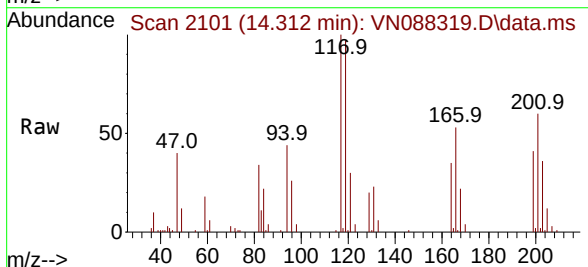
Acq: 20 Nov 2025 10:22

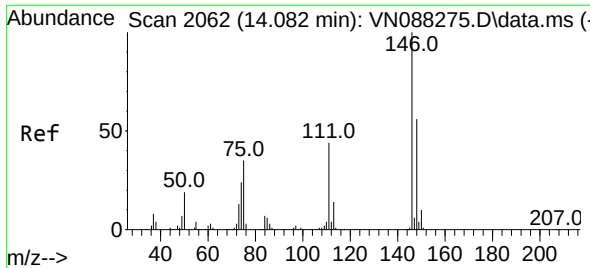
Tgt Ion: 117 Resp: 51486

Ion Ratio Lower Upper

117 100

201 63.5 30.6 92.0

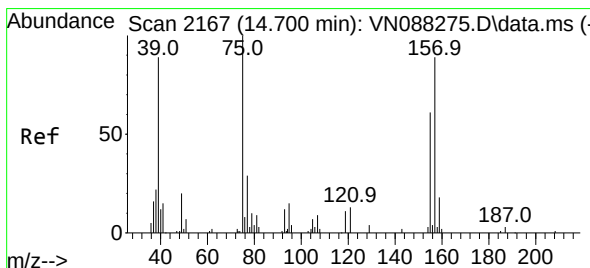
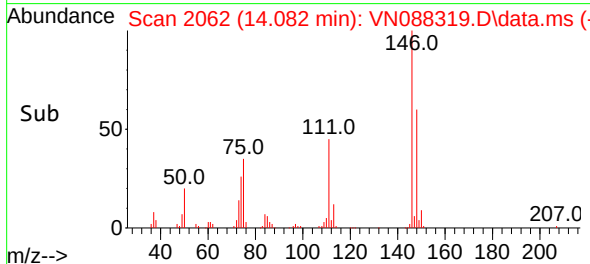
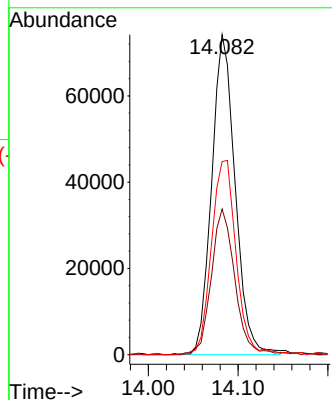
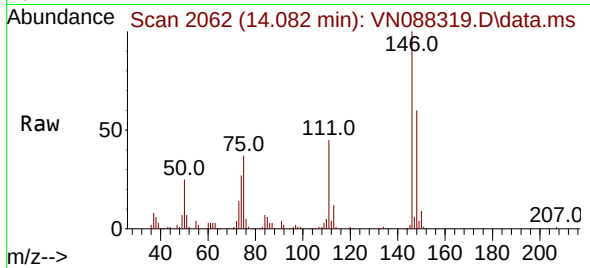




#87  
1,2-Dichlorobenzene  
Concen: 21.068 ug/l  
RT: 14.082 min Scan# 2062  
Delta R.T. -0.000 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

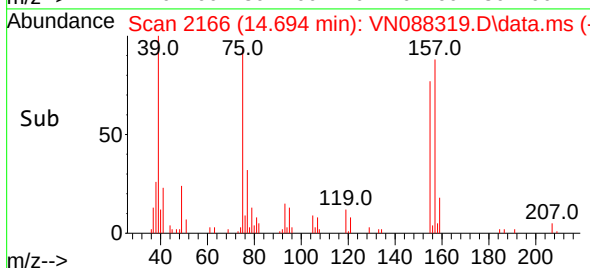
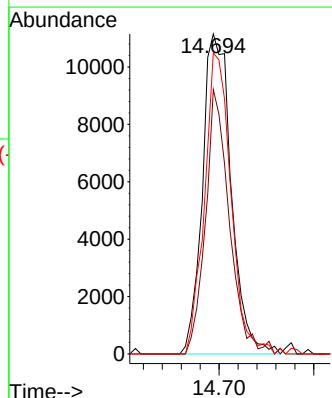
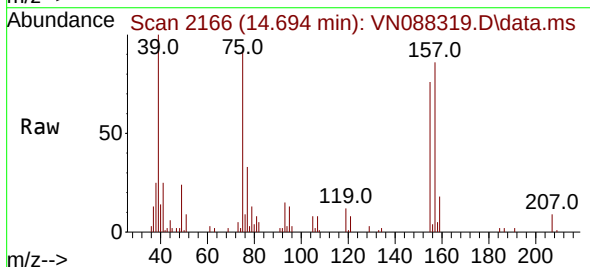
Instrument :  
MSVOA\_N  
ClientSampleId :

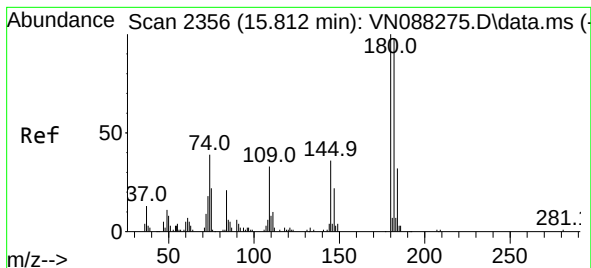
Tgt Ion:146 Resp: 134931  
Ion Ratio Lower Upper  
146 100  
111 44.6 23.0 69.0  
148 62.9 31.1 93.2



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 20.041 ug/l  
RT: 14.694 min Scan# 2166  
Delta R.T. -0.006 min  
Lab File: VN088319.D  
Acq: 20 Nov 2025 10:22

Tgt Ion: 75 Resp: 23604  
Ion Ratio Lower Upper  
75 100  
155 67.5 54.8 82.2  
157 85.3 70.7 106.1





#89

1,2,4-Trichlorobenzene

Concen: 20.472 ug/l

RT: 15.811 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

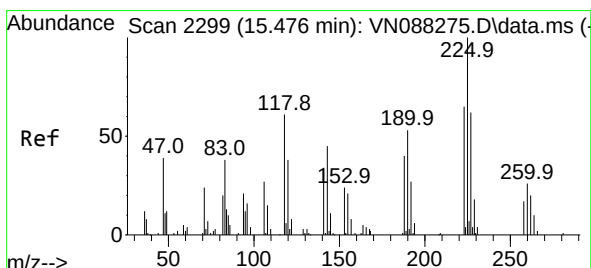
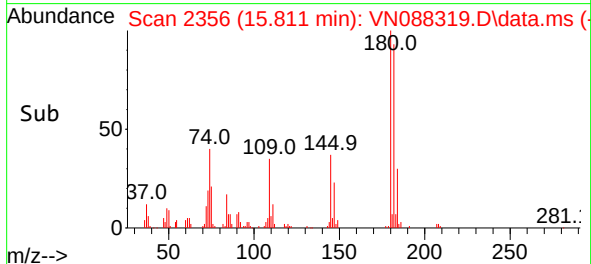
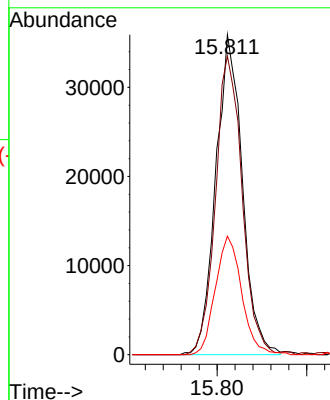
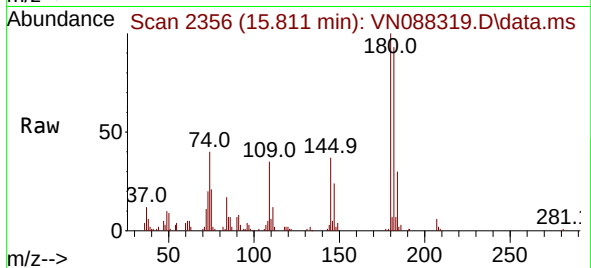
Tgt Ion:180 Resp: 73575

Ion Ratio Lower Upper

180 100

182 93.4 77.3 115.9

145 36.8 30.2 45.4



#90

Hexachlorobutadiene

Concen: 21.882 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

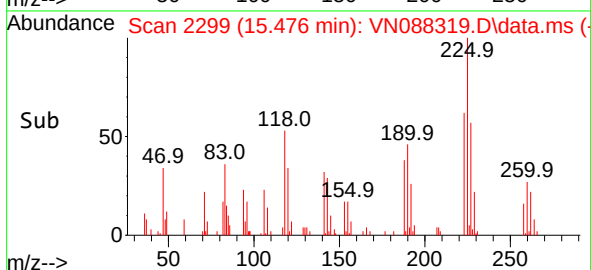
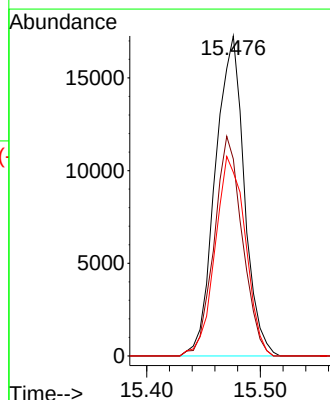
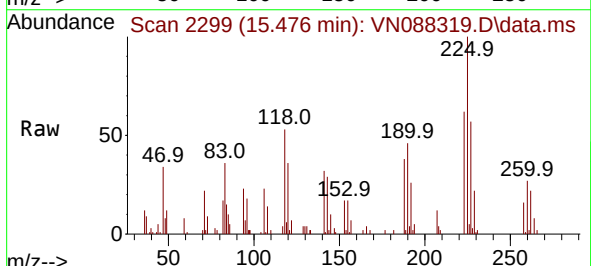
Tgt Ion:225 Resp: 30541

Ion Ratio Lower Upper

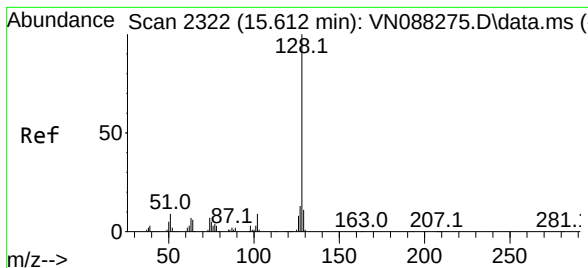
225 100

223 67.0 0.0 132.0

227 65.2 0.0 132.6







#91

Naphthalene

Concen: 19.458 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Instrument :

MSVOA\_N

ClientSampleId :

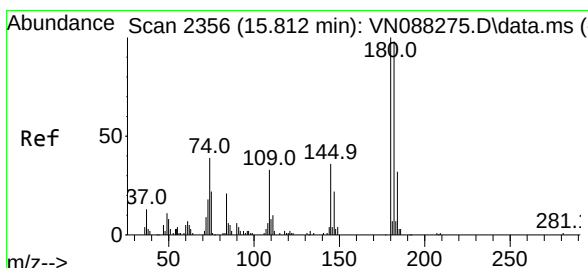
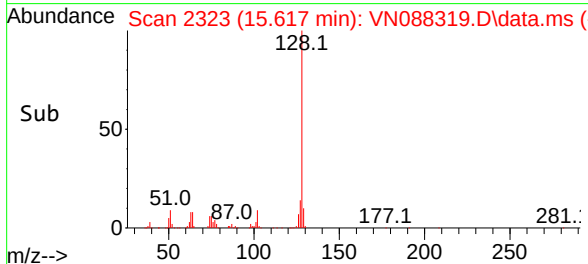
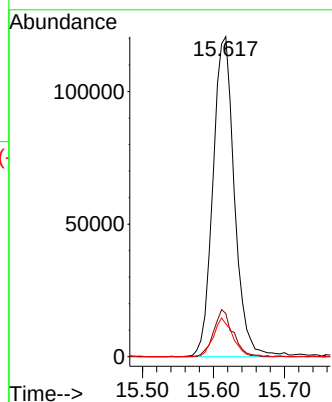
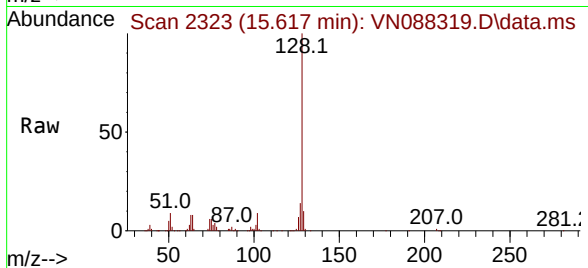
Tgt Ion:128 Resp: 253021

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 10.8 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 20.472 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN088319.D

Acq: 20 Nov 2025 10:22

Tgt Ion:180 Resp: 73575

Ion Ratio Lower Upper

180 100

182 93.4 0.0 193.2

145 36.8 0.0 75.6

