

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081325\  
 Data File : VN087530.D  
 Acq On : 13 Aug 2025 13:23  
 Operator : JC\MD  
 Sample : VN0813WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 14 03:58:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.212  | 168  | 266779   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 512412   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 464252   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 233575   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 253037   | 55.899   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 111.800% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 172807   | 48.890   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.780%  |
| 50) Toluene-d8              | 10.547 | 98    | 614481   | 48.736   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.480%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 240746   | 51.682   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 103.360% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 65074   | 22.966  | ug/l   | 97  |
| 3) Chloromethane             | 2.383 | 50  | 62456   | 17.528  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.542 | 62  | 69089   | 19.511  | ug/l   | 97  |
| 5) Bromomethane              | 2.983 | 94  | 34112   | 18.602  | ug/l   | 93  |
| 6) Chloroethane              | 3.136 | 64  | 47465   | 20.554  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 105763  | 20.198  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.959 | 74  | 43436   | 21.385  | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 58966   | 21.937  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.577 | 142 | 29096   | 14.968  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 97149   | 113.027 | ug/l   | 96  |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 57633   | 18.921  | ug/l   | 96  |
| 13) Acrolein                 | 4.183 | 56  | 69159   | 100.262 | ug/l   | 94  |
| 14) Allyl chloride           | 5.012 | 41  | 106838  | 19.381  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.712 | 53  | 235001  | 100.755 | ug/l   | 98  |
| 16) Acetone                  | 4.424 | 43  | 239432  | 112.811 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.700 | 76  | 160063  | 17.725  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.024 | 43  | 124016  | 23.257  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 249165  | 22.193  | ug/l   | 94  |
| 20) Methylene Chloride       | 5.265 | 84  | 72230   | 19.744  | ug/l   | 93  |
| 21) trans-1,2-Dichloroethene | 5.771 | 96  | 64985   | 18.921  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.665 | 45  | 250212  | 21.639  | ug/l   | 94  |
| 23) Vinyl Acetate            | 6.595 | 43  | 1065966 | 105.407 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.553 | 63  | 130584  | 19.575  | ug/l   | 98  |
| 25) 2-Butanone               | 7.477 | 43  | 355122  | 108.290 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 112245  | 21.642  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 7.477 | 96  | 78062   | 19.742  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.800 | 49  | 82704   | 25.905  | ug/l   | 89  |
| 29) Tetrahydrofuran          | 7.830 | 42  | 222641  | 104.509 | ug/l   | 100 |
| 30) Chloroform               | 7.953 | 83  | 139708  | 20.923  | ug/l   | 96  |
| 31) Cyclohexane              | 8.241 | 56  | 116493  | 20.933  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 8.153 | 97  | 116674  | 20.175  | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 8.353 | 75  | 90656   | 19.413  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.547 | 43  | 138345  | 20.513  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 8.347 | 117 | 93676   | 18.210  | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.583 | 83  | 106012  | 20.968  | ug/l   | 97  |
| 40) Benzene                  | 8.588 | 78  | 284664  | 18.861  | ug/l   | 92  |

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 Sample : VN0813WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 14 03:58:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 02:56:13 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 71206    | 20.192  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 117819   | 20.585  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.677  | 43   | 218724   | 20.891  | ug/l   | 97       |
| 44) Trichloroethene           | 9.335  | 130  | 61840    | 17.340  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 73314    | 19.117  | ug/l   | 96       |
| 46) Dibromomethane            | 9.694  | 93   | 54955    | 19.139  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.871  | 83   | 110549   | 19.114  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.665  | 41   | 103250   | 21.906  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.683  | 88   | 30707    | 425.370 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.430 | 43   | 677508   | 102.315 | ug/l   | 97       |
| 52) Toluene                   | 10.612 | 92   | 174579   | 19.030  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 114738   | 19.602  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 120668   | 19.958  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 71031    | 19.125  | ug/l # | 91       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 119790   | 19.958  | ug/l # | 93       |
| 57) 1,3-Dichloropropane       | 11.147 | 76   | 125761   | 19.584  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 341037   | 111.937 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.182 | 43   | 434848   | 98.981  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 79483    | 18.765  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.453 | 107  | 75658    | 19.374  | ug/l   | 95       |
| 64) Tetrachloroethene         | 11.082 | 164  | 49705    | 16.635  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.871 | 112  | 185394   | 17.787  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 66848    | 18.862  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.941 | 91   | 335652   | 19.562  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.053 | 106  | 248384   | 38.658  | ug/l   | 93       |
| 69) o-Xylene                  | 12.376 | 106  | 120524   | 19.637  | ug/l   | 94       |
| 70) Styrene                   | 12.394 | 104  | 204820   | 19.838  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 50837    | 17.755  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.676 | 105  | 316020   | 21.497  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.541 | 43   | 18510    | 3.031   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 114486   | 20.697  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 149767   | 28.594  | ug/l   | 52       |
| 77) Bromobenzene              | 12.965 | 156  | 72862    | 19.111  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.018 | 91   | 397991   | 21.518  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 233909   | 20.578  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 271593   | 21.683  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 32118    | 16.778  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 243438   | 20.570  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 227761   | 21.772  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 274928   | 21.494  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 346841   | 22.011  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.712 | 119  | 279271   | 22.115  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 141081   | 18.855  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.794 | 146  | 149500   | 18.707  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.035 | 91   | 283005   | 23.470  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 51791    | 19.357  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 14.088 | 146  | 139847   | 19.728  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 28181    | 19.404  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 87149    | 20.929  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 33877    | 21.896  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 307032   | 20.814  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.817 | 180  | 81621    | 19.541  | ug/l   | 99       |

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Operator : JC\MD  
Sample : VN0813WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

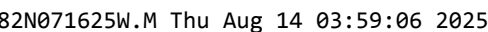
Instrument :  
MSVOA\_N  
ClientSampleId :

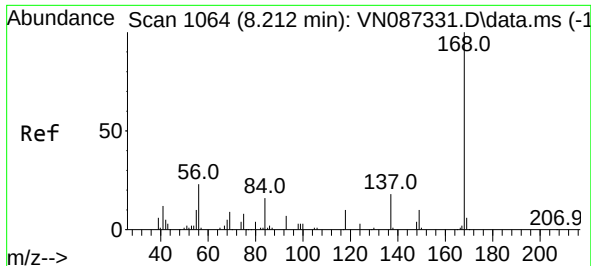
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 17 02:56:13 2025  
Response via : Initial Calibration

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

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

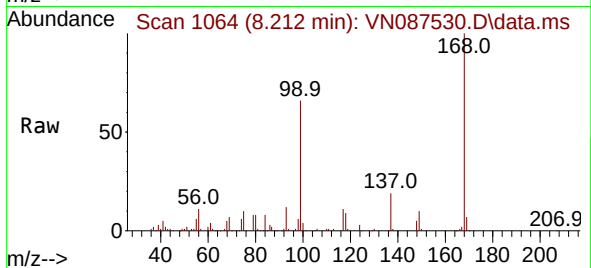
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N071625W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 17 02:56:13 2025  
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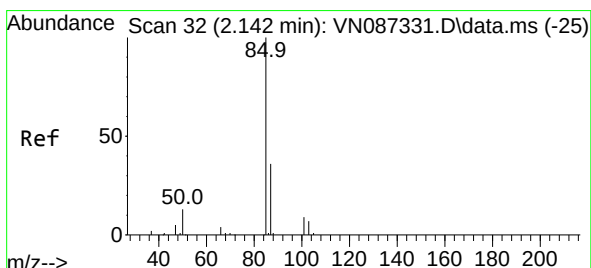
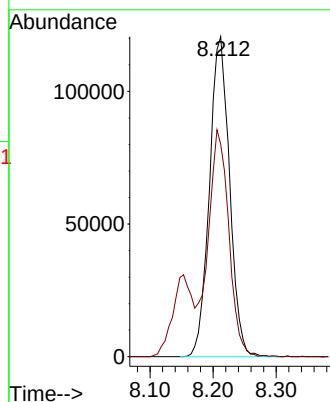
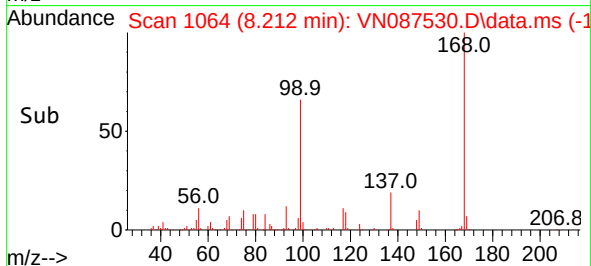


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

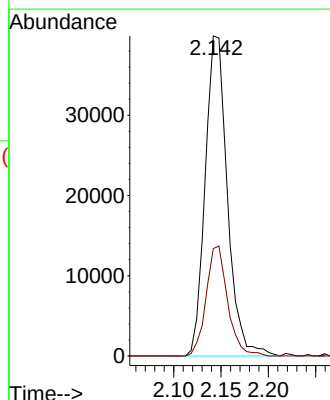
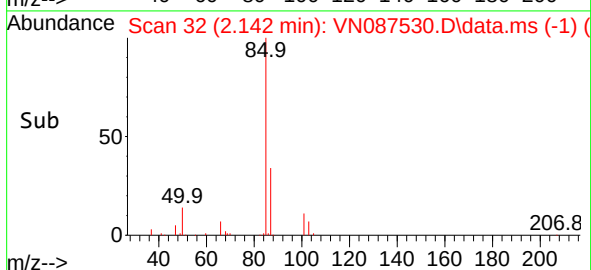
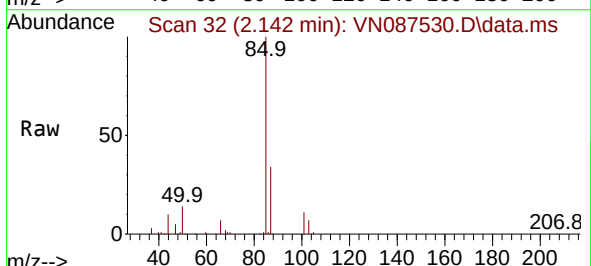


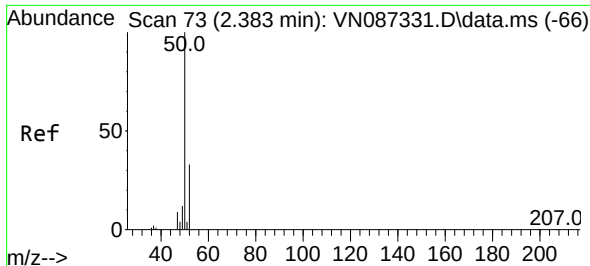
Tgt Ion:168 Resp: 266779  
Ion Ratio Lower Upper  
168 100  
99 66.5 47.9 71.9



#2  
Dichlorodifluoromethane  
Concen: 22.966 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 85 Resp: 65074  
Ion Ratio Lower Upper  
85 100  
87 33.6 17.8 53.3

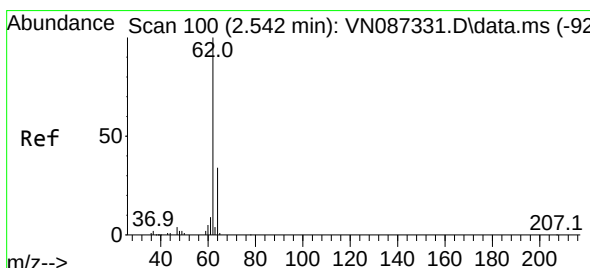
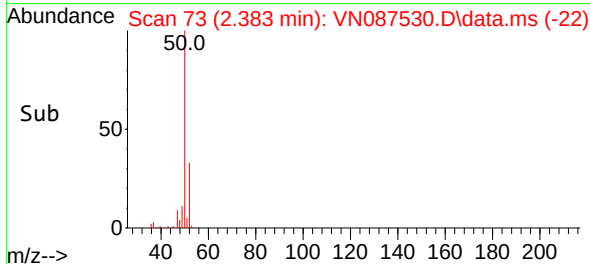
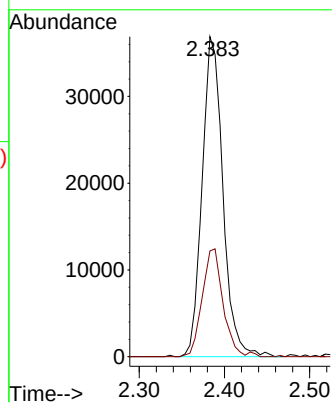
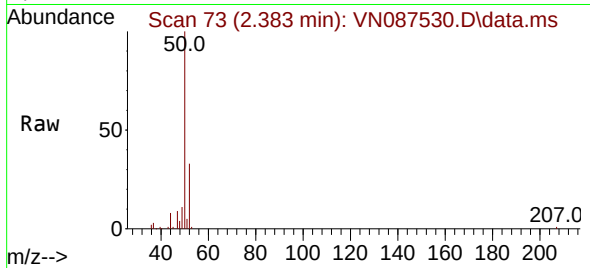




#3  
Chloromethane  
Concen: 17.528 ug/l  
RT: 2.383 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

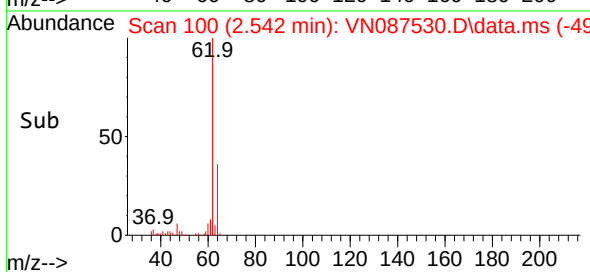
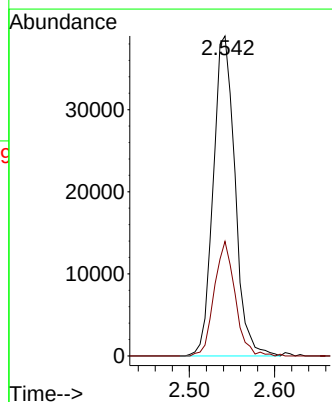
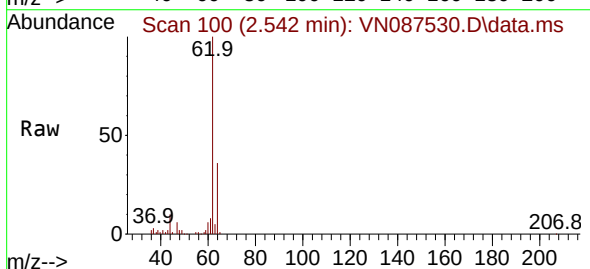
Instrument :  
MSVOA\_N  
ClientSampleId :

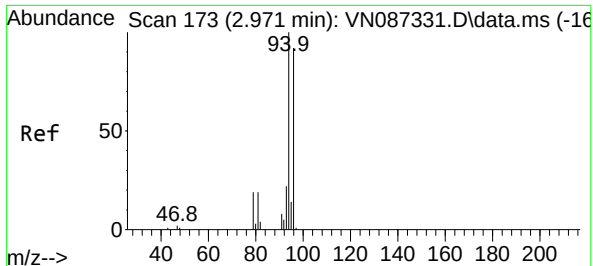
Tgt Ion: 50 Resp: 62456  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.3 39.5



#4  
Vinyl Chloride  
Concen: 19.511 ug/l  
RT: 2.542 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 62 Resp: 69089  
Ion Ratio Lower Upper  
62 100  
64 35.8 27.0 40.6

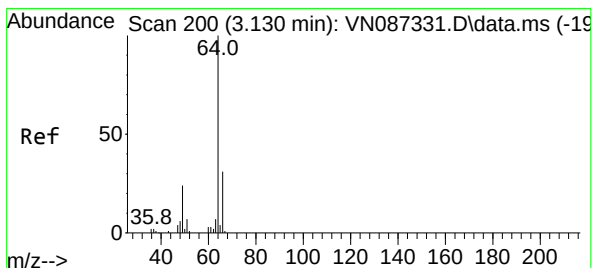
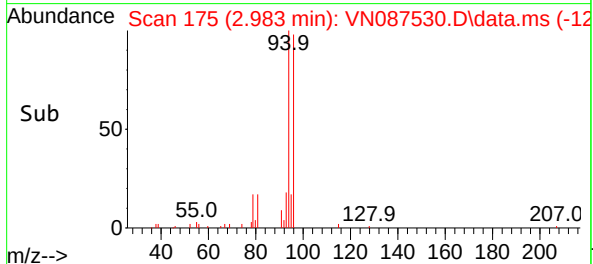
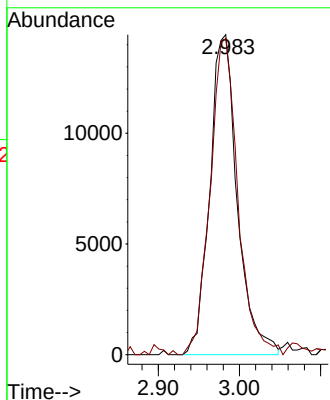
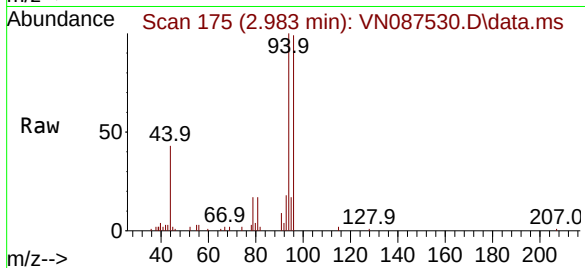




#5  
Bromomethane  
Concen: 18.602 ug/l  
RT: 2.983 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

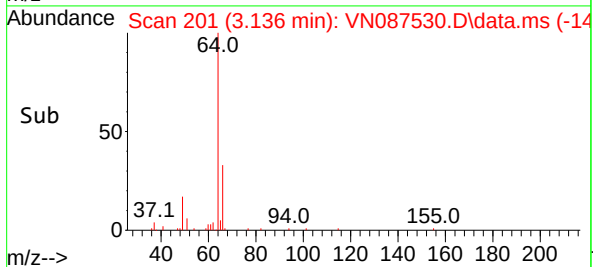
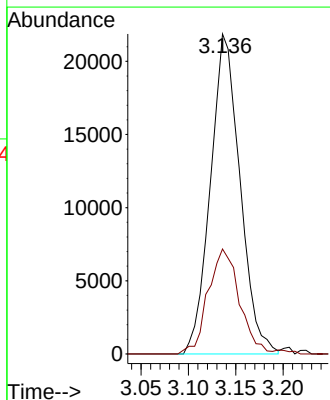
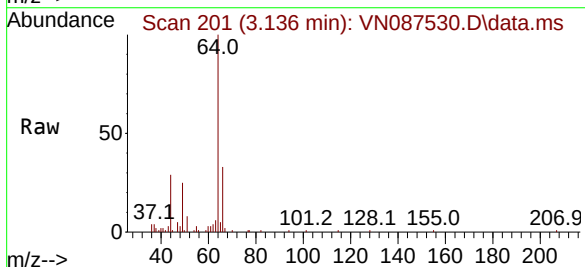
Instrument :  
MSVOA\_N  
ClientSampleId :

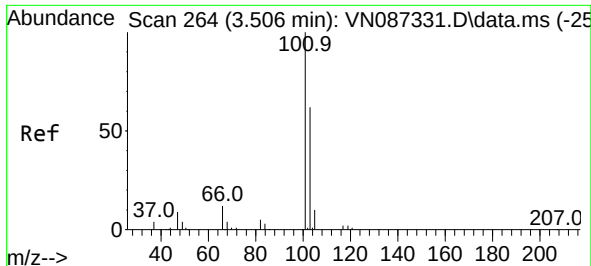
Tgt Ion: 94 Resp: 34112  
Ion Ratio Lower Upper  
94 100  
96 98.8 73.4 110.2



#6  
Chloroethane  
Concen: 20.554 ug/l  
RT: 3.136 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 64 Resp: 47465  
Ion Ratio Lower Upper  
64 100  
66 32.8 24.6 36.8

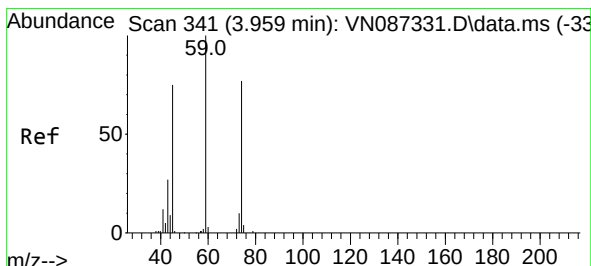
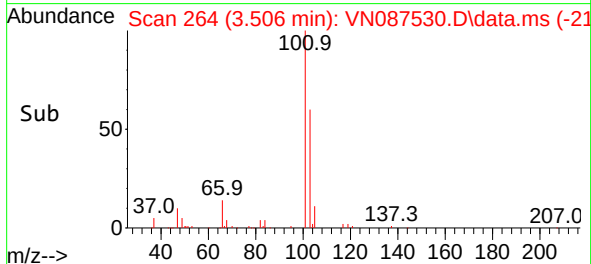
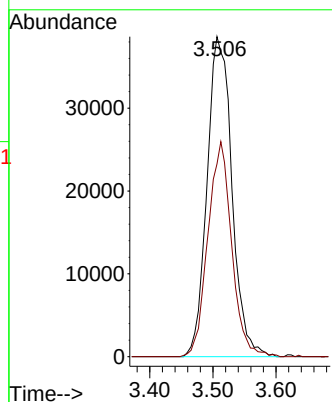
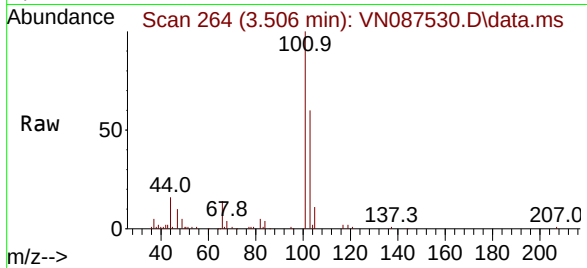




#7  
 Trichlorofluoromethane  
 Concen: 20.198 ug/l  
 RT: 3.506 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

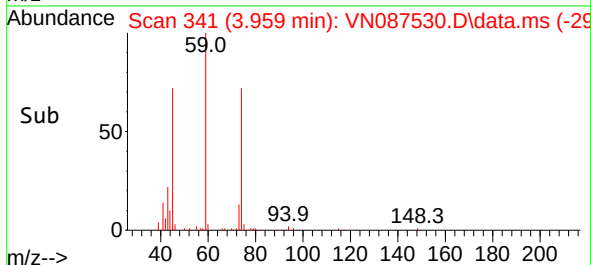
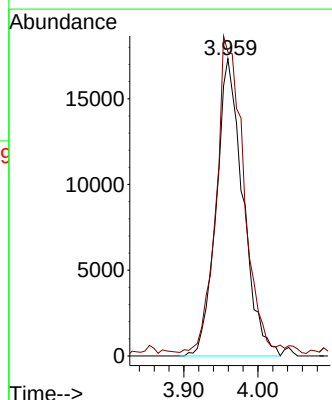
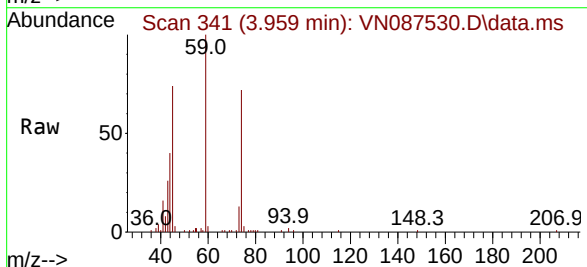
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 105763  
 Ion Ratio Lower Upper  
 101 100  
 103 60.2 49.8 74.6

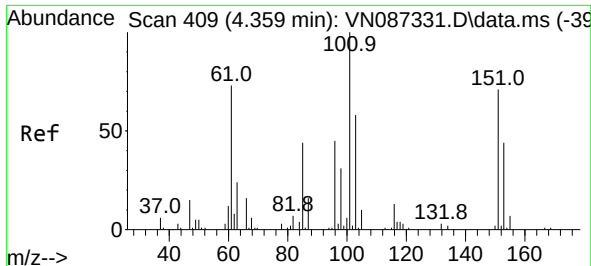


#8  
 Diethyl Ether  
 Concen: 21.385 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion: 74 Resp: 43436  
 Ion Ratio Lower Upper  
 74 100  
 45 108.4 50.8 152.5



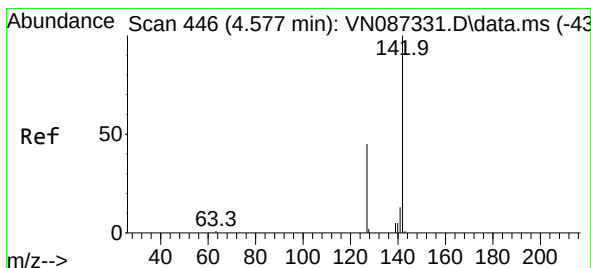
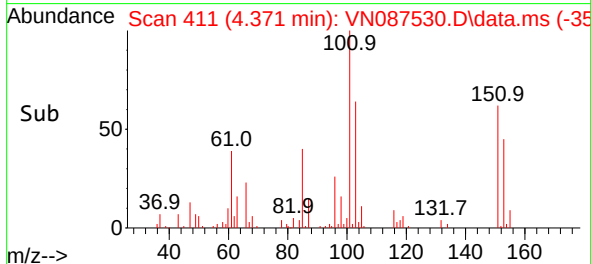
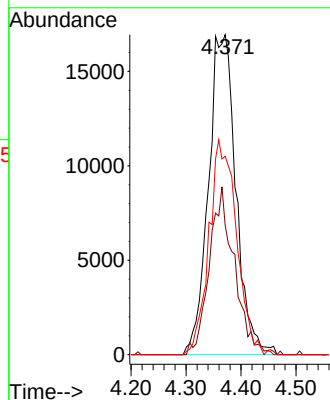
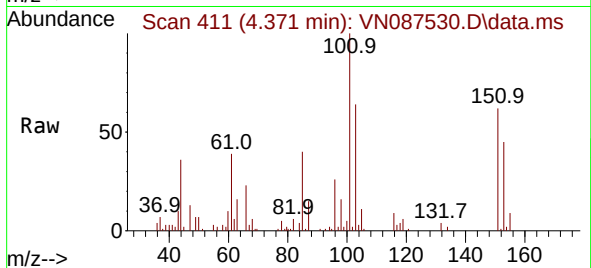




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.937 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

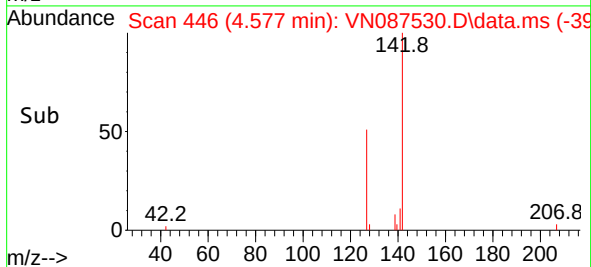
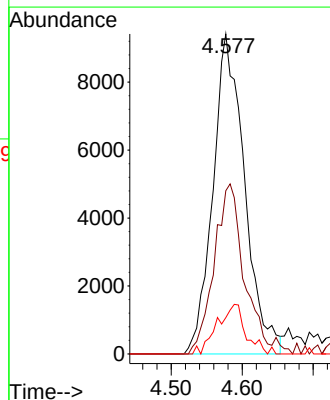
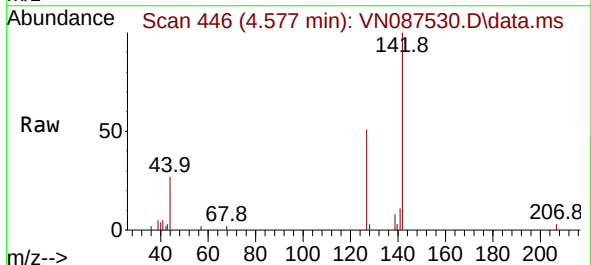
Instrument :  
MSVOA\_N  
ClientSampleId :

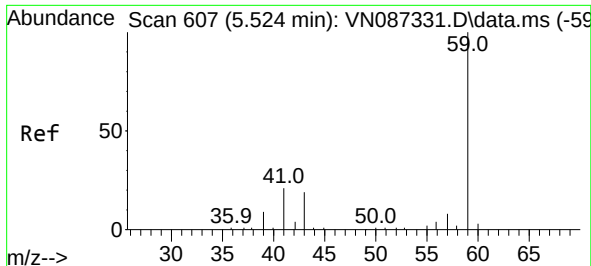
Tgt Ion:101 Resp: 58966  
Ion Ratio Lower Upper  
101 100  
85 47.7 37.3 55.9  
151 67.1 58.9 88.3



#10  
Methyl Iodide  
Concen: 14.968 ug/l  
RT: 4.577 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

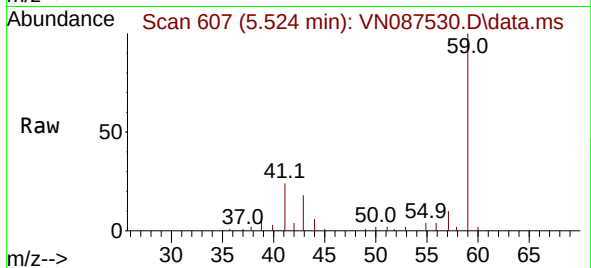
Tgt Ion:142 Resp: 29096  
Ion Ratio Lower Upper  
142 100  
127 51.0 35.7 53.5  
141 11.4 10.4 15.6



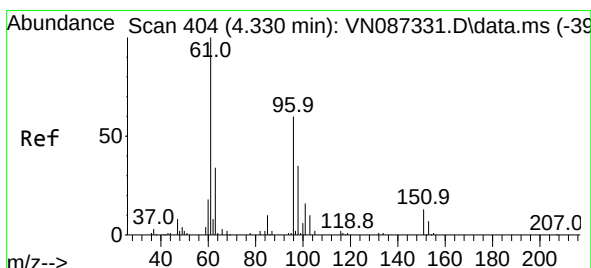
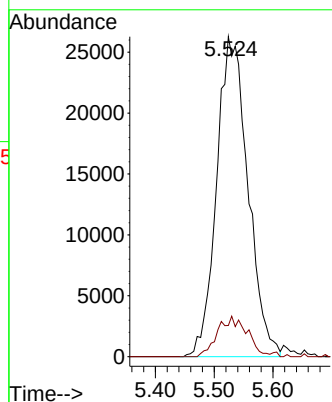
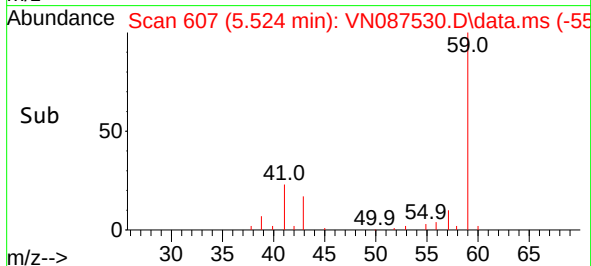


#11  
Tert butyl alcohol  
Concen: 113.027 ug/l  
RT: 5.524 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

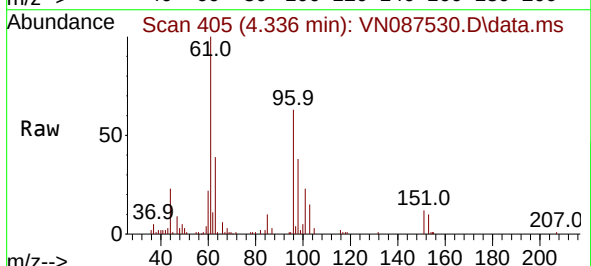
Instrument :  
MSVOA\_N  
ClientSampleId :



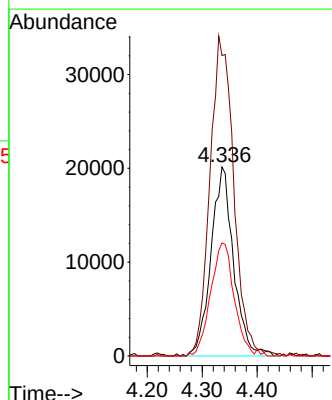
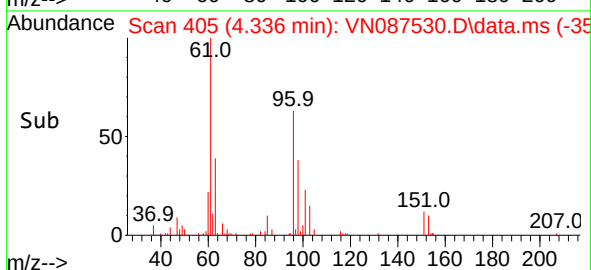
Tgt Ion: 59 Resp: 97149  
Ion Ratio Lower Upper  
59 100  
57 11.9 8.3 12.5

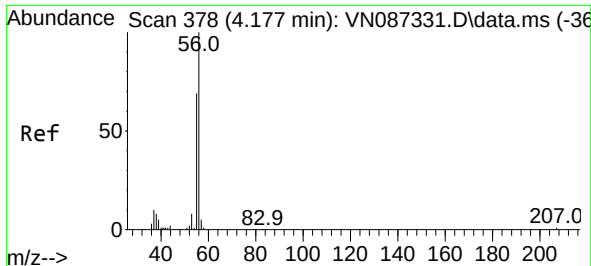


#12  
1,1-Dichloroethene  
Concen: 18.921 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23



Tgt Ion: 96 Resp: 57633  
Ion Ratio Lower Upper  
96 100  
61 158.9 132.3 198.5  
98 59.8 46.8 70.2

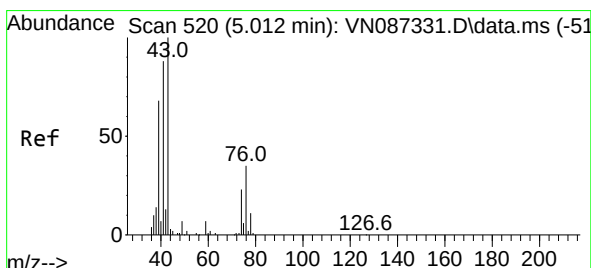
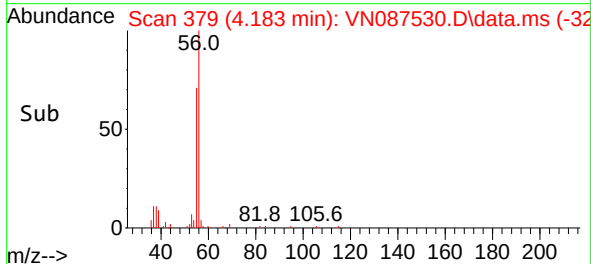
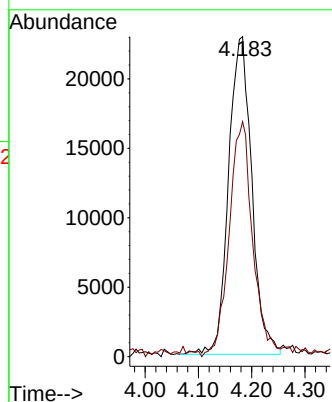
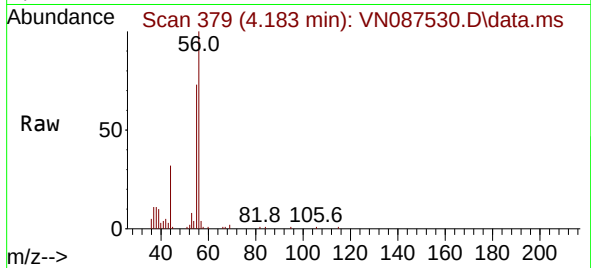




#13  
Acrolein  
Concen: 100.262 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

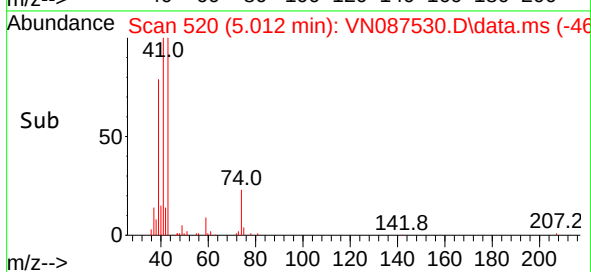
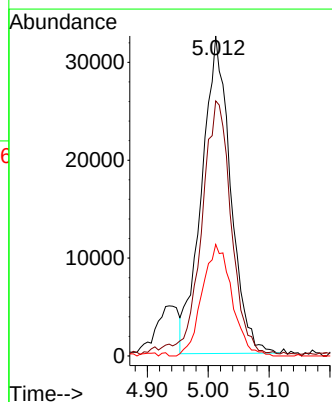
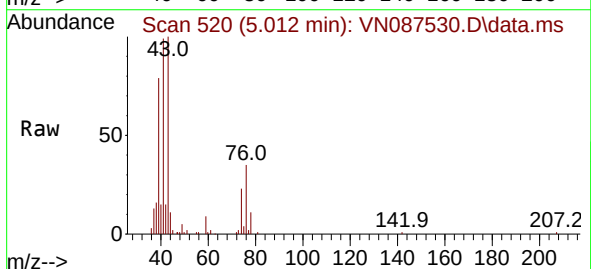
Instrument :  
MSVOA\_N  
ClientSampleId :

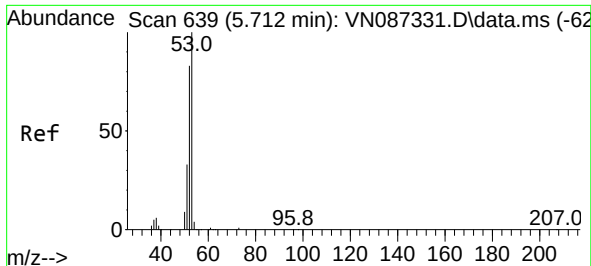
Tgt Ion: 56 Resp: 69159  
Ion Ratio Lower Upper  
56 100  
55 75.2 56.2 84.4



#14  
Allyl chloride  
Concen: 19.381 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

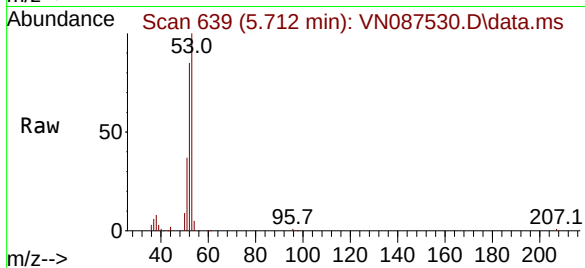
Tgt Ion: 41 Resp: 106838  
Ion Ratio Lower Upper  
41 100  
39 81.4 59.0 88.6  
76 36.1 28.7 43.1



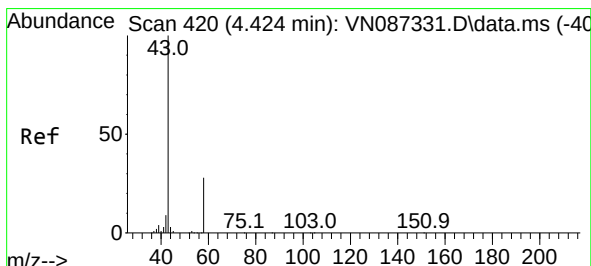
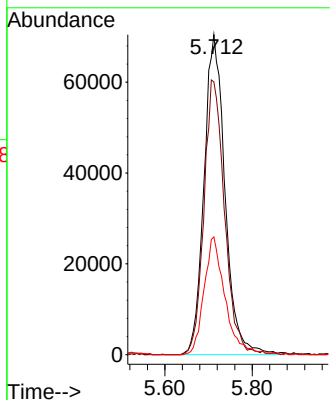
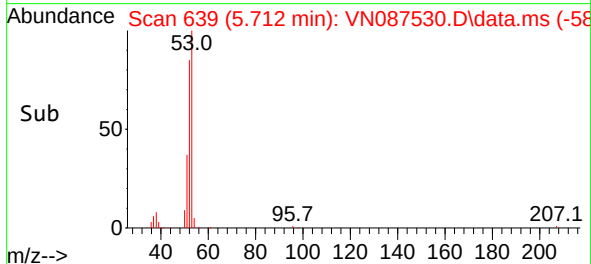


#15  
Acrylonitrile  
Concen: 100.755 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

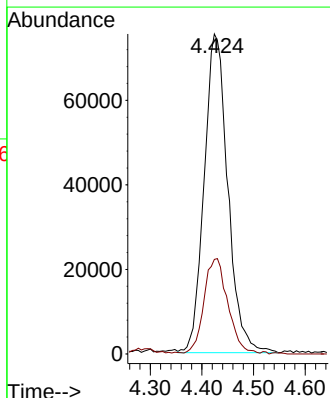
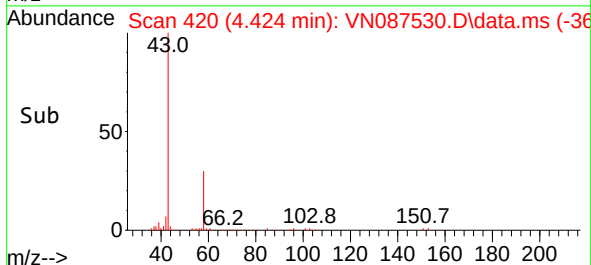
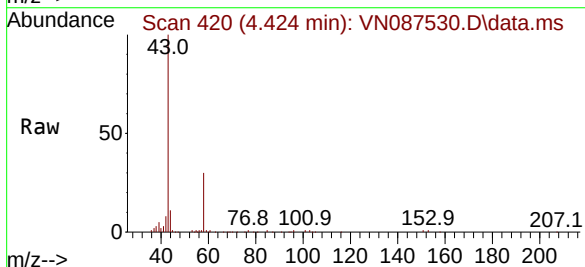


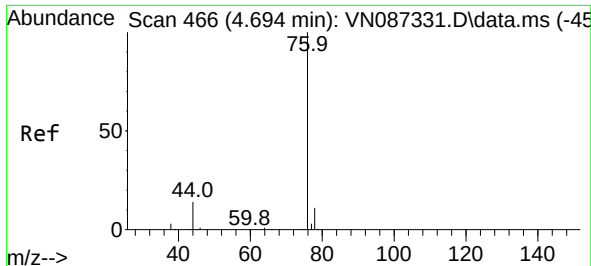
Tgt Ion: 53 Resp: 235001  
Ion Ratio Lower Upper  
53 100  
52 84.4 65.5 98.3  
51 36.8 28.7 43.1



#16  
Acetone  
Concen: 112.811 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 239432  
Ion Ratio Lower Upper  
43 100  
58 29.3 22.3 33.5

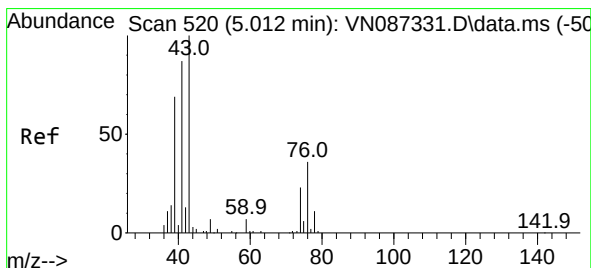
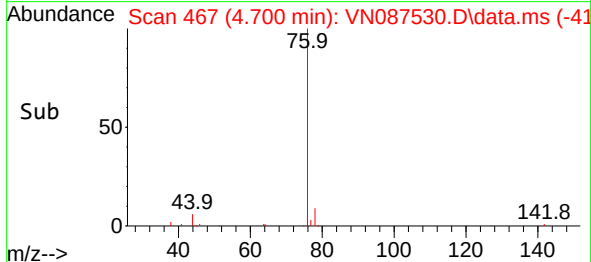
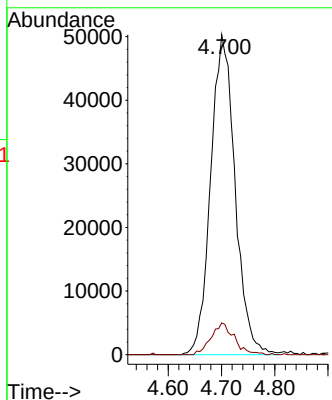
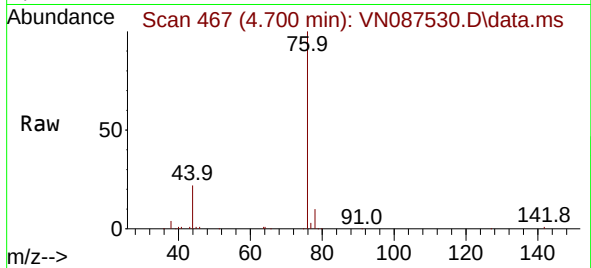




#17  
Carbon Disulfide  
Concen: 17.725 ug/l  
RT: 4.700 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

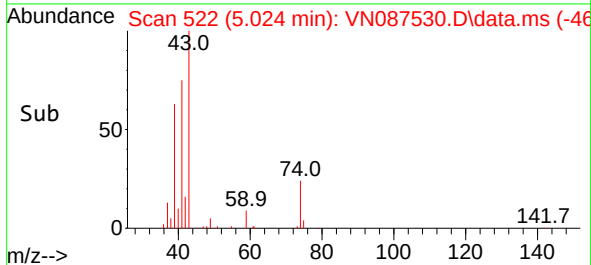
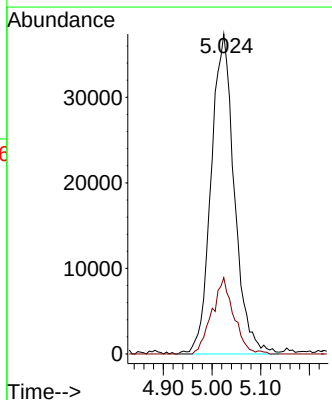
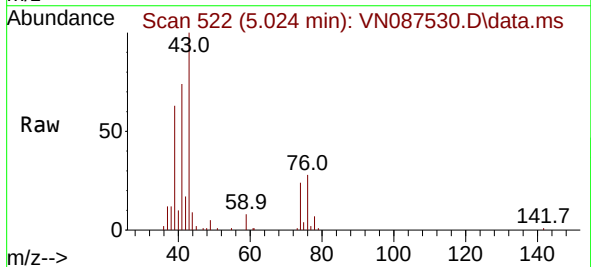
Instrument :  
MSVOA\_N  
ClientSampleId :

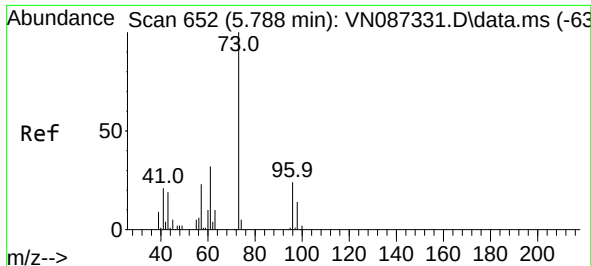
Tgt Ion: 76 Resp: 160063  
Ion Ratio Lower Upper  
76 100  
78 10.0 8.6 13.0



#18  
Methyl Acetate  
Concen: 23.257 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.012 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 124016  
Ion Ratio Lower Upper  
43 100  
74 22.1 17.8 26.6

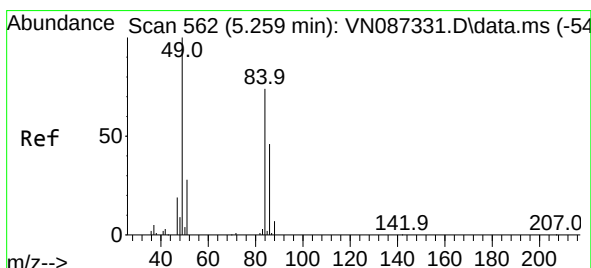
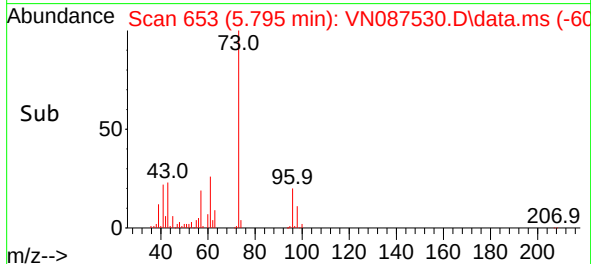
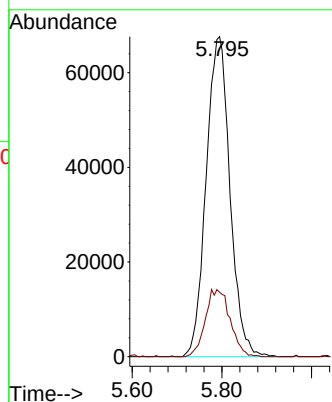
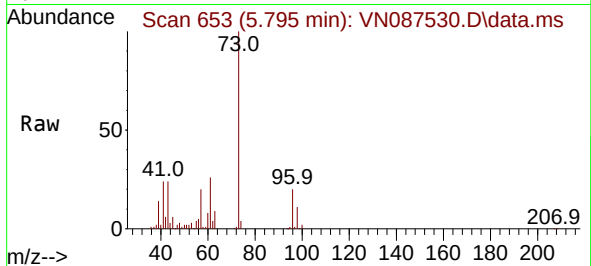




#19  
Methyl tert-butyl Ether  
Concen: 22.193 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

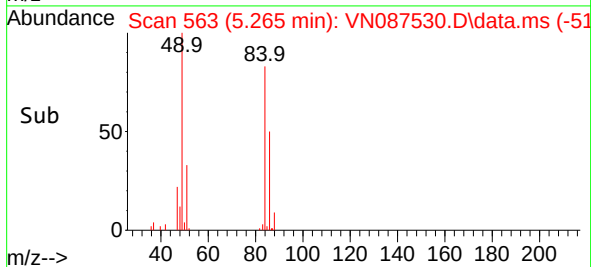
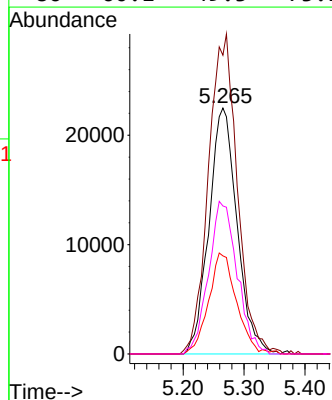
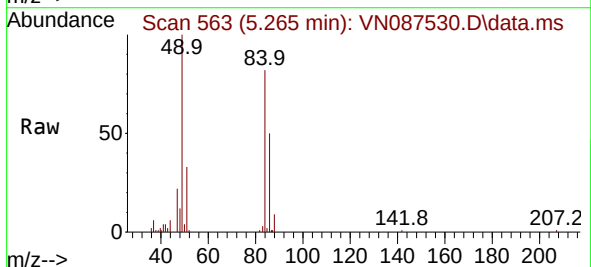
Instrument :  
MSVOA\_N  
ClientSampleId :

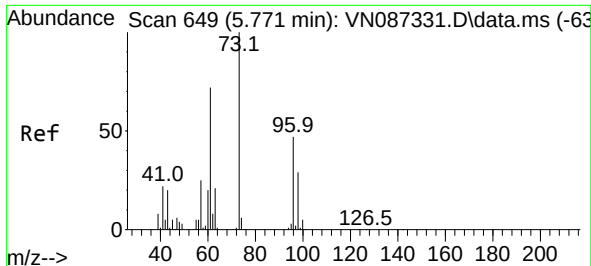
Tgt Ion: 73 Resp: 249165  
Ion Ratio Lower Upper  
73 100  
57 20.1 18.6 27.8



#20  
Methylene Chloride  
Concen: 19.744 ug/l  
RT: 5.265 min Scan# 563  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 84 Resp: 72230  
Ion Ratio Lower Upper  
84 100  
49 121.4 107.5 161.3  
51 39.9 30.2 45.2  
86 60.1 49.3 73.9

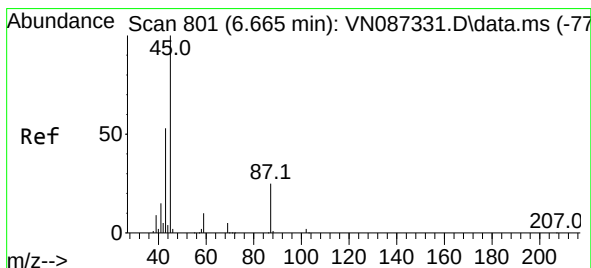
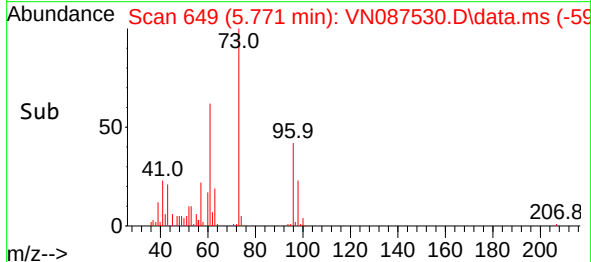
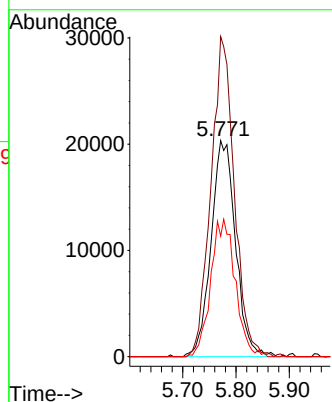
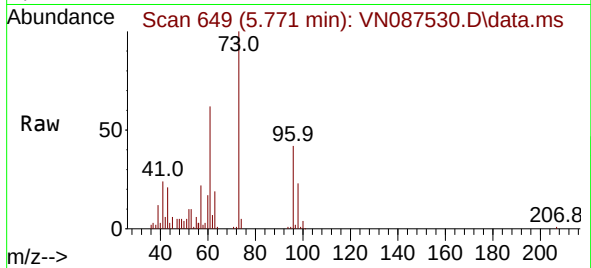




#21  
trans-1,2-Dichloroethene  
Concen: 18.921 ug/l  
RT: 5.771 min Scan# 649  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

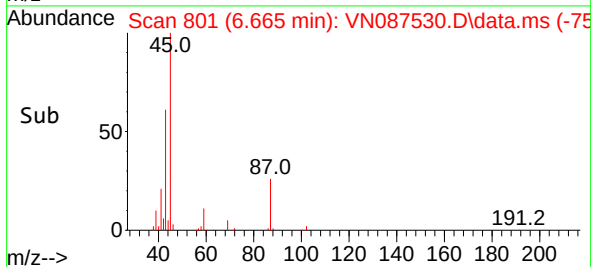
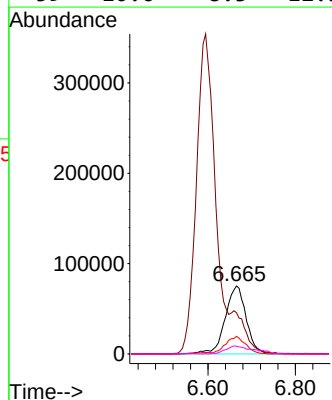
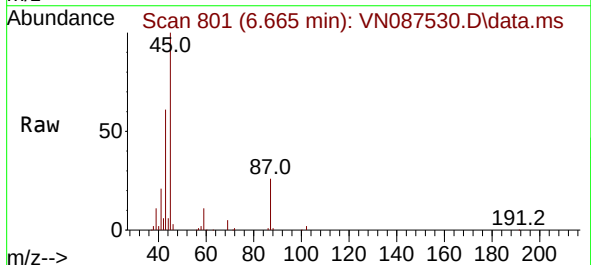
Instrument :  
MSVOA\_N  
ClientSampleId :

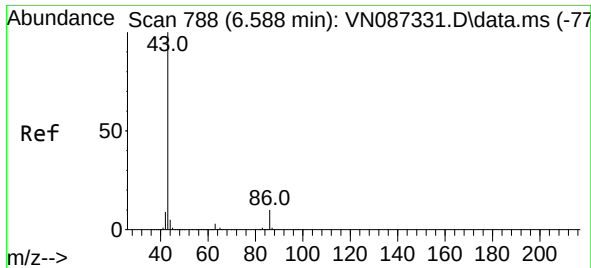
Tgt Ion: 96 Resp: 64985  
Ion Ratio Lower Upper  
96 100  
61 148.2 122.0 183.0  
98 55.8 50.0 75.0



#22  
Diisopropyl ether  
Concen: 21.639 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 45 Resp: 250212  
Ion Ratio Lower Upper  
45 100  
43 59.9 42.8 64.2  
87 26.0 19.8 29.6  
59 10.6 8.3 12.5

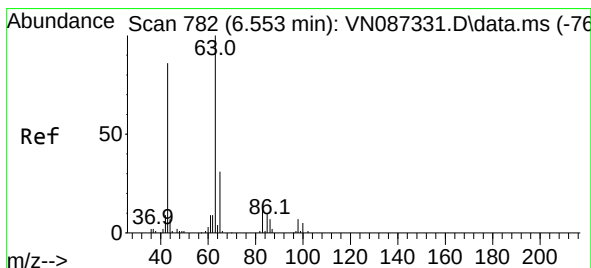
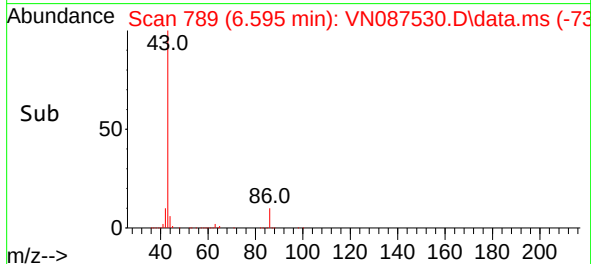
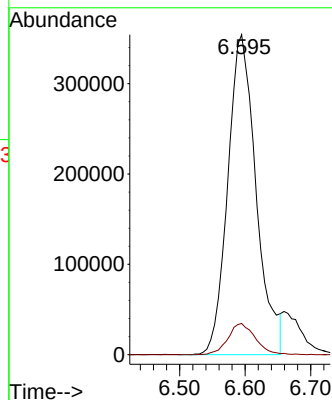
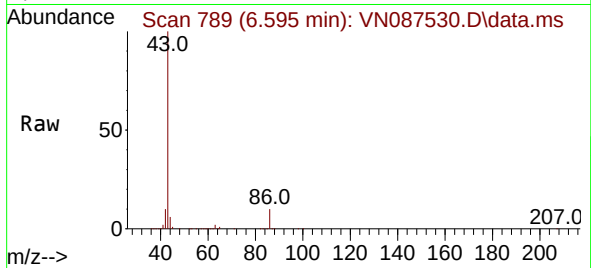




#23  
 Vinyl Acetate  
 Concen: 105.407 ug/l  
 RT: 6.595 min Scan# 789  
 Delta R.T. 0.006 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

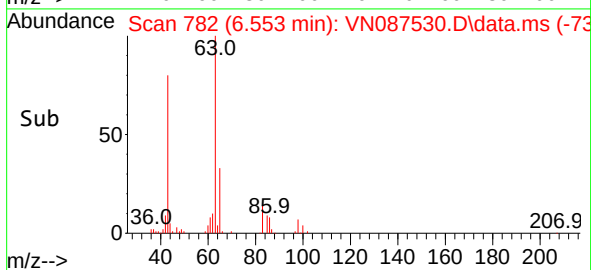
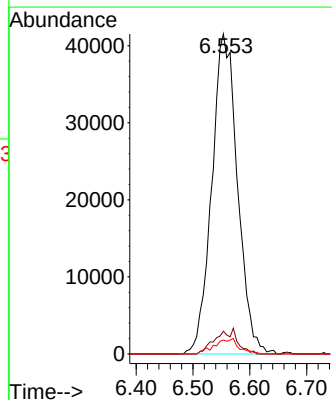
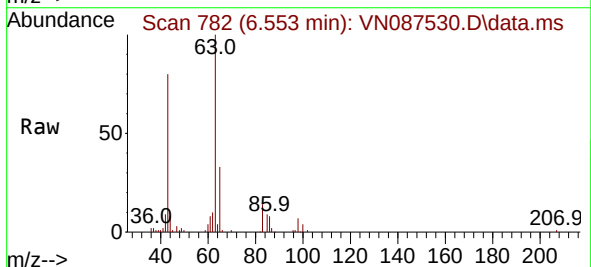
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 1065966  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 7.7 11.5

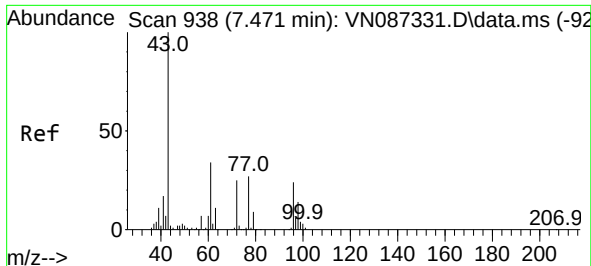


#24  
 1,1-Dichloroethane  
 Concen: 19.575 ug/l  
 RT: 6.553 min Scan# 782  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion: 63 Resp: 130584  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.3 9.9  
 100 4.4 2.5 7.4

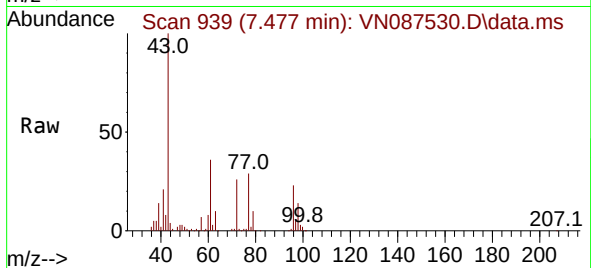




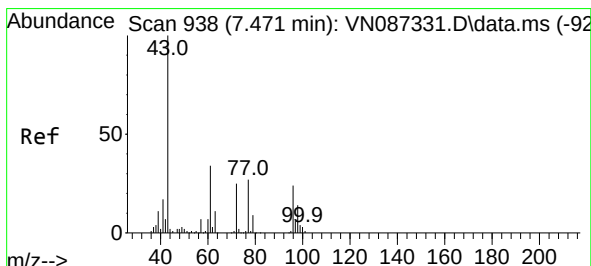
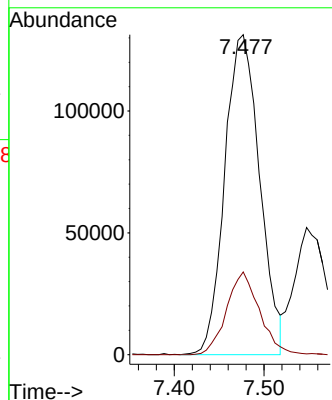
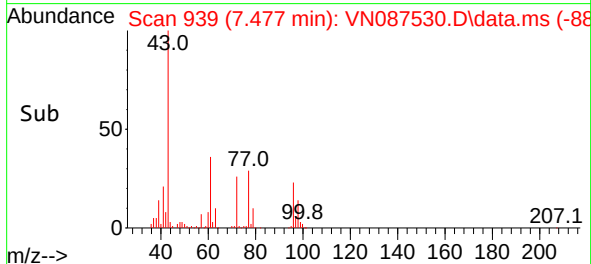


#25  
2-Butanone  
Concen: 108.290 ug/l  
RT: 7.477 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

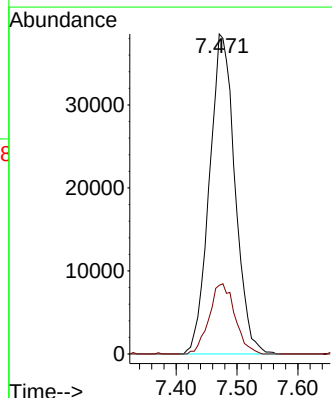
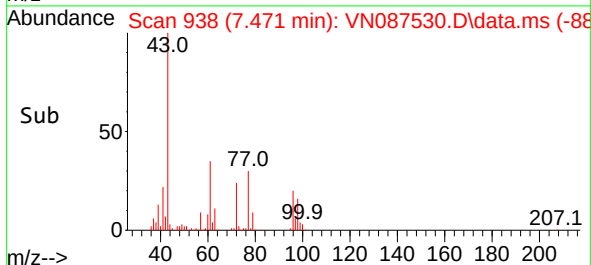
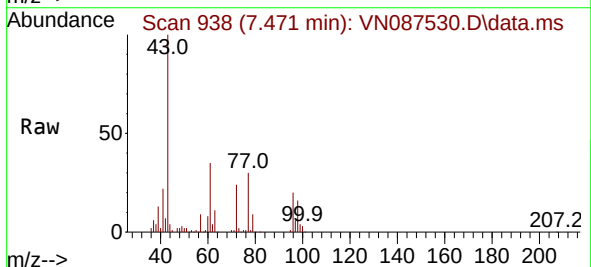


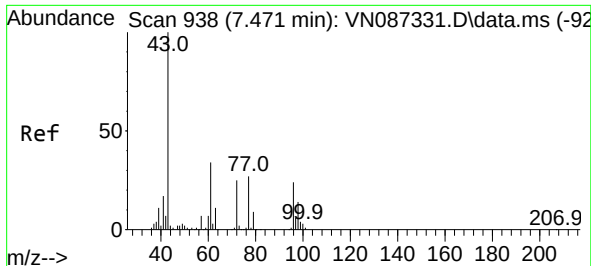
Tgt Ion: 43 Resp: 355122  
Ion Ratio Lower Upper  
43 100  
72 25.8 19.6 29.4



#26  
2,2-Dichloropropane  
Concen: 21.642 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

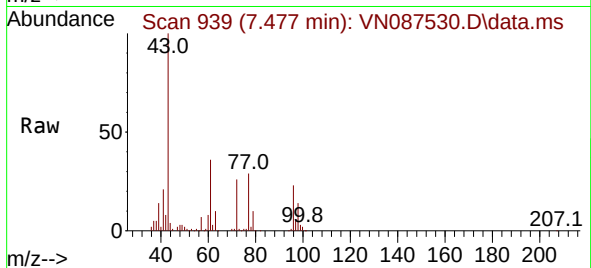
Tgt Ion: 77 Resp: 112245  
Ion Ratio Lower Upper  
77 100  
97 22.1 11.1 33.1



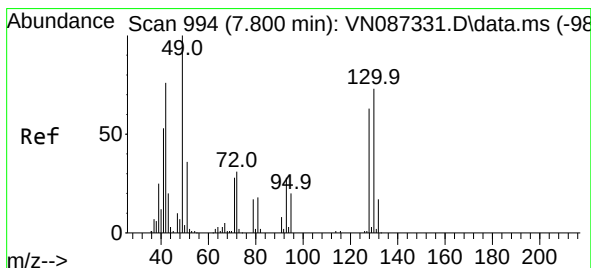
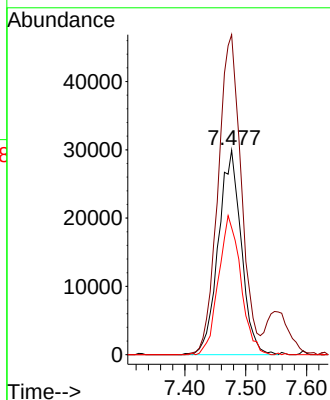
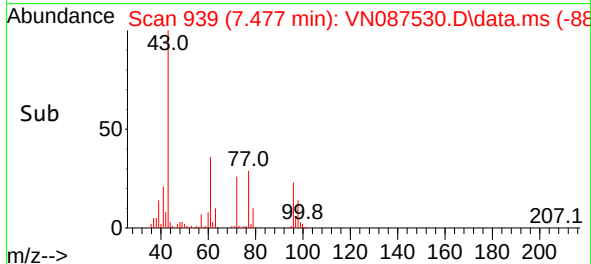


#27  
 cis-1,2-Dichloroethene  
 Concen: 19.742 ug/l  
 RT: 7.477 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :

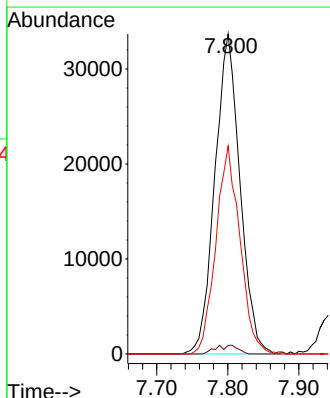
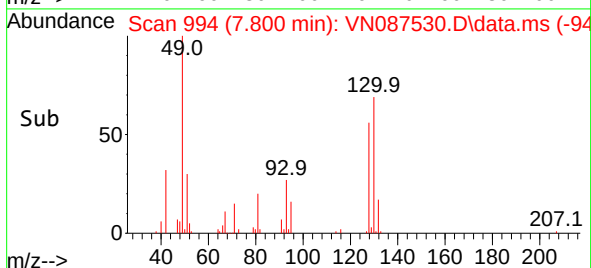
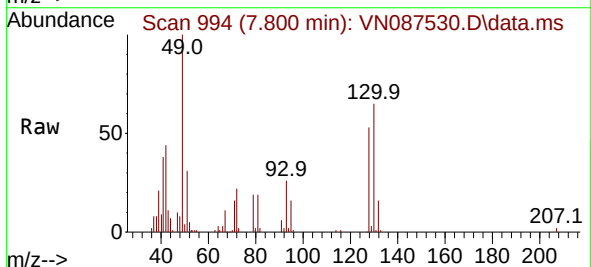


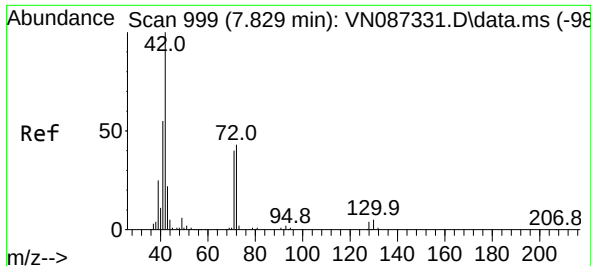
Tgt Ion: 96 Resp: 78062  
 Ion Ratio Lower Upper  
 96 100  
 61 159.0 0.0 297.8  
 98 66.3 0.0 132.4



#28  
 Bromochloromethane  
 Concen: 25.905 ug/l  
 RT: 7.800 min Scan# 994  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

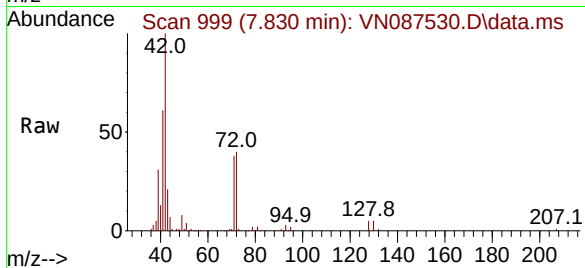
Tgt Ion: 49 Resp: 82704  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 4.2  
 130 62.2 57.3 85.9



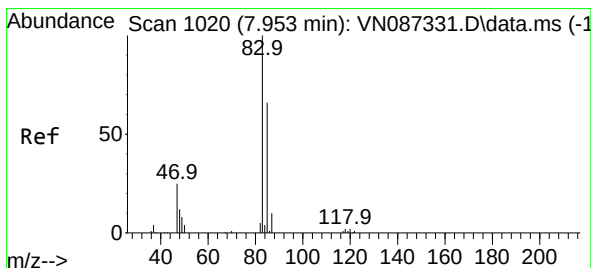
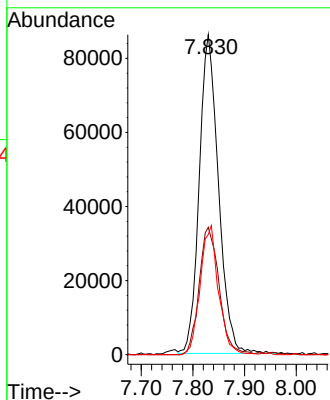
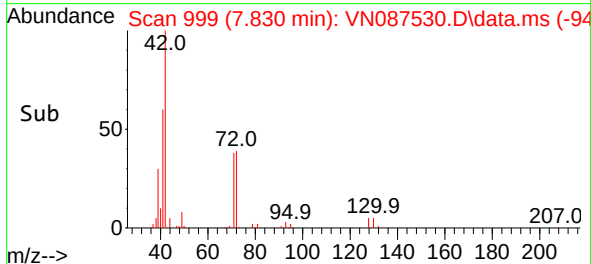


#29  
Tetrahydrofuran  
Concen: 104.509 ug/l  
RT: 7.830 min Scan# 999  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

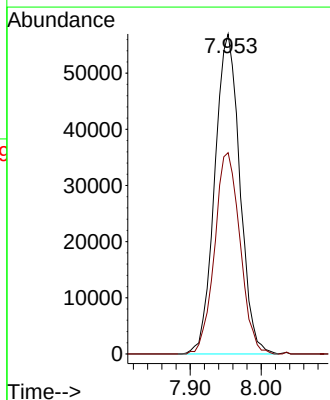
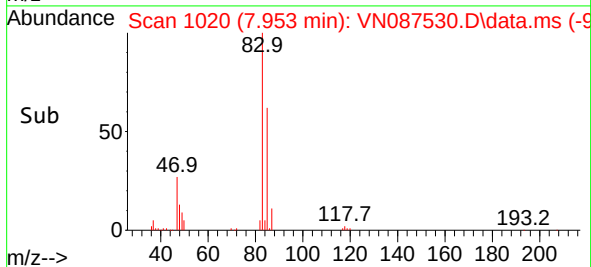
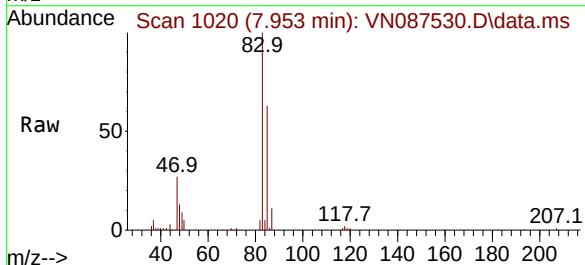


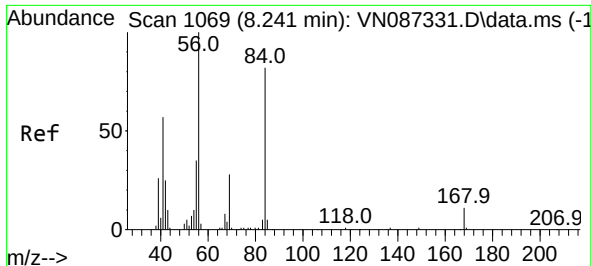
Tgt Ion: 42 Resp: 222641  
Ion Ratio Lower Upper  
42 100  
72 41.5 33.4 50.0  
71 38.6 31.2 46.8



#30  
Chloroform  
Concen: 20.923 ug/l  
RT: 7.953 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

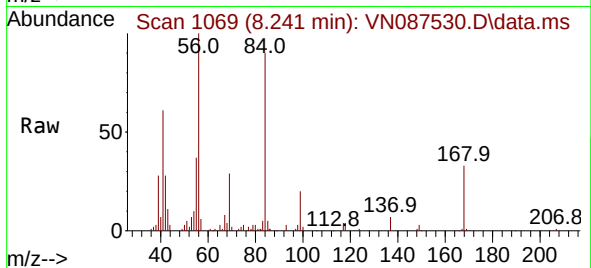
Tgt Ion: 83 Resp: 139708  
Ion Ratio Lower Upper  
83 100  
85 62.9 52.7 79.1



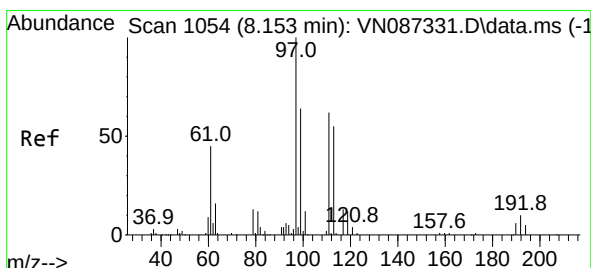
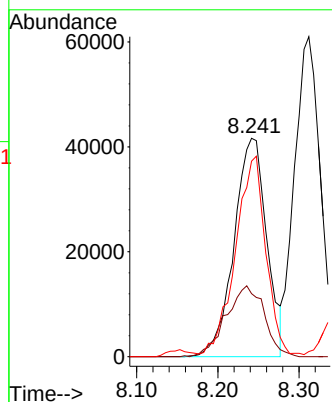
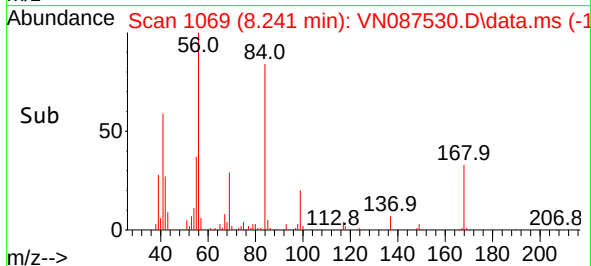


#31  
Cyclohexane  
Concen: 20.933 ug/l  
RT: 8.241 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

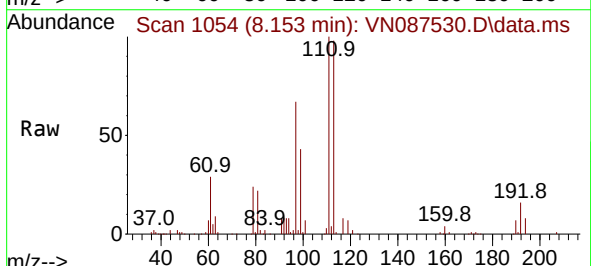
Instrument :  
MSVOA\_N  
ClientSampleId :



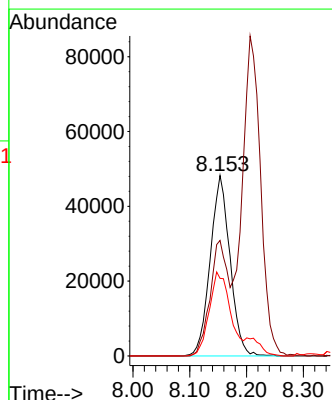
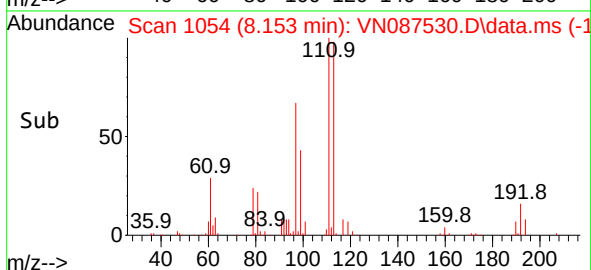
Tgt Ion: 56 Resp: 116493  
Ion Ratio Lower Upper  
56 100  
69 28.8 22.7 34.1  
84 86.3 65.8 98.6

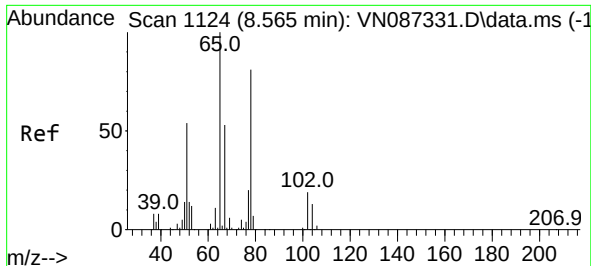


#32  
1,1,1-Trichloroethane  
Concen: 20.175 ug/l  
RT: 8.153 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23



Tgt Ion: 97 Resp: 116674  
Ion Ratio Lower Upper  
97 100  
99 57.1 51.8 77.8  
61 49.8 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 55.899 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

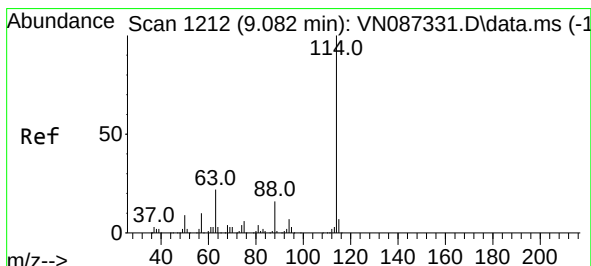
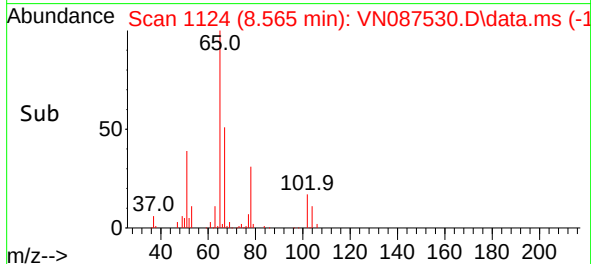
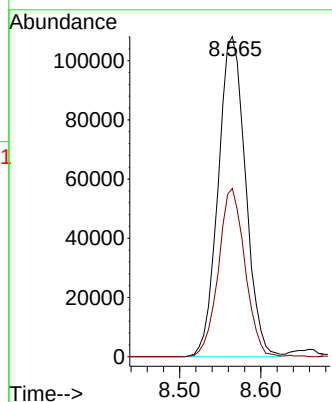
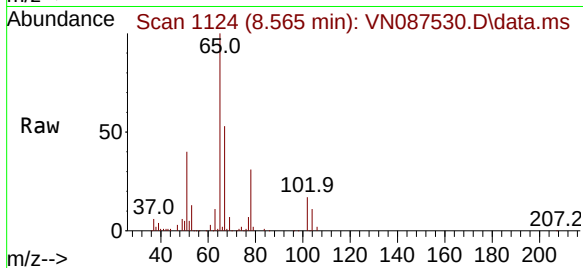
ClientSampleId :

Tgt Ion: 65 Resp: 253037

Ion Ratio Lower Upper

65 100

67 51.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

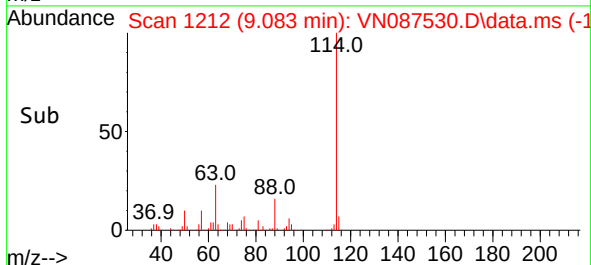
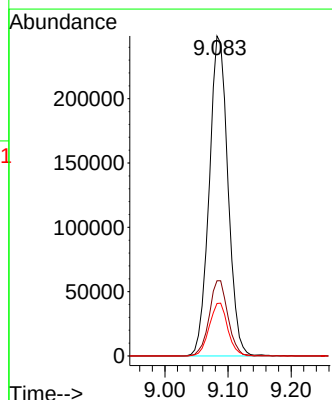
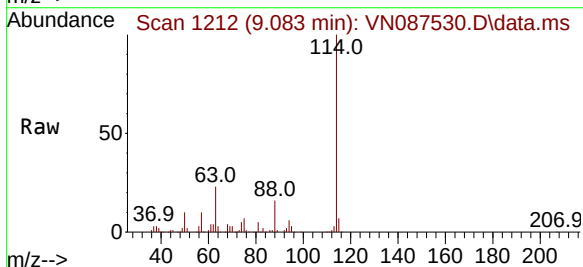
Tgt Ion: 114 Resp: 512412

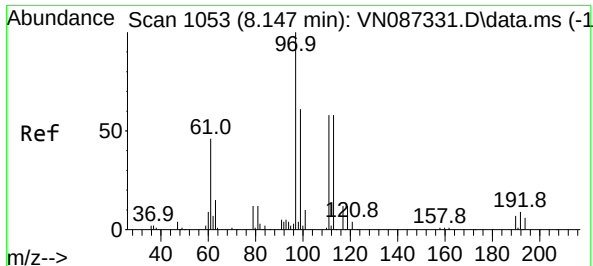
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.890 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

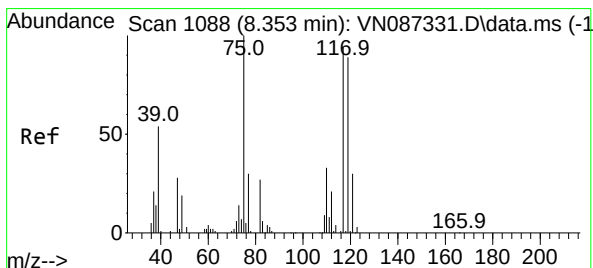
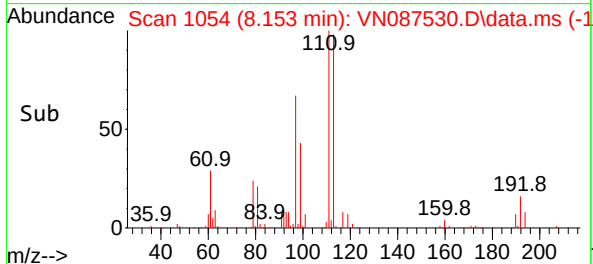
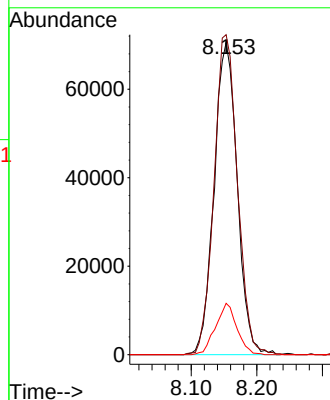
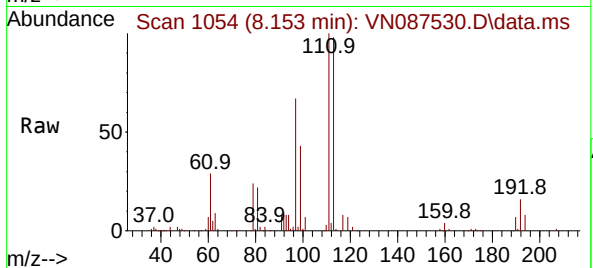
Tgt Ion:113 Resp: 172807

Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 15.1 13.7 20.5



#36

1,1-Dichloropropene

Concen: 19.413 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

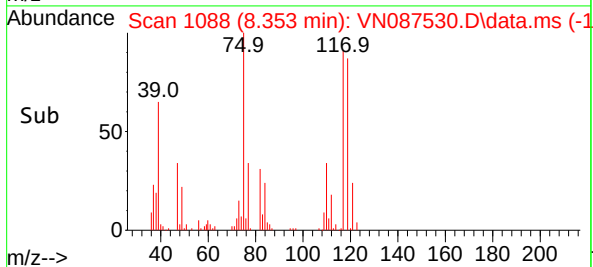
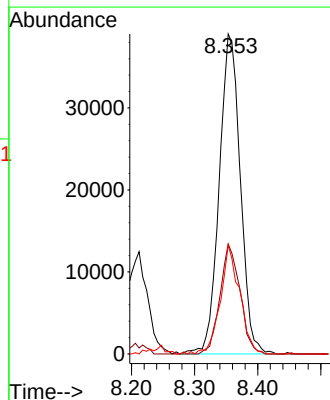
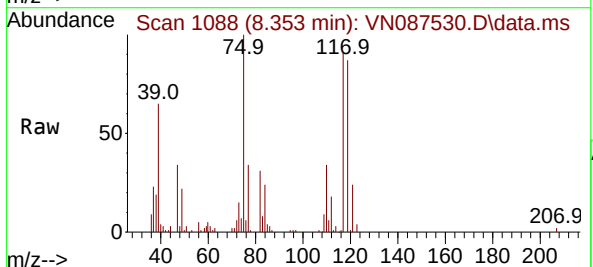
Tgt Ion: 75 Resp: 90656

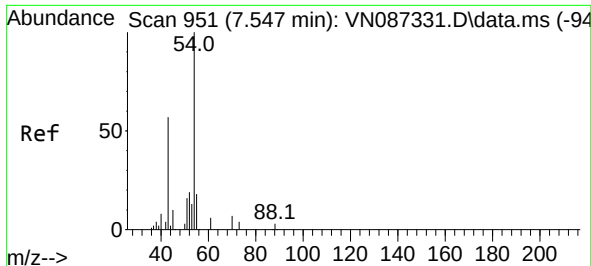
Ion Ratio Lower Upper

75 100

110 32.6 16.7 50.1

77 31.2 25.2 37.8

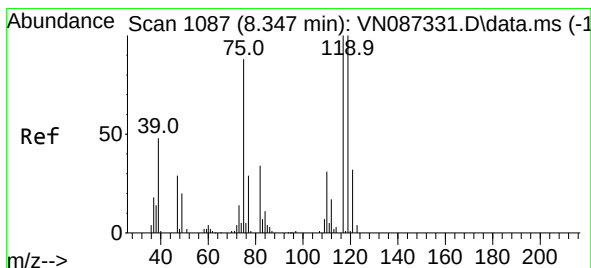
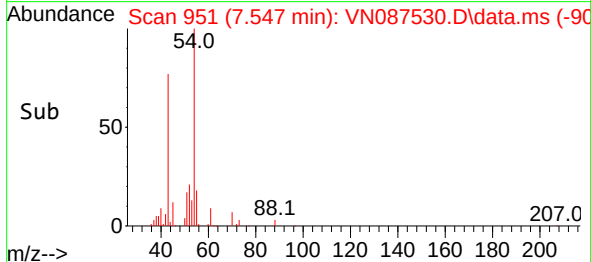
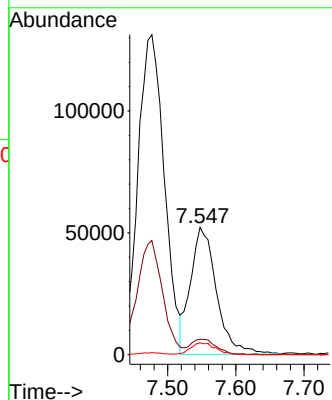
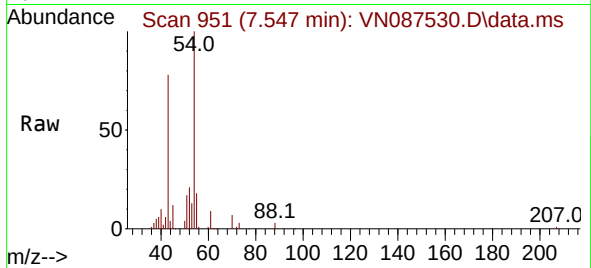




#37  
Ethyl Acetate  
Concen: 20.513 ug/l  
RT: 7.547 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

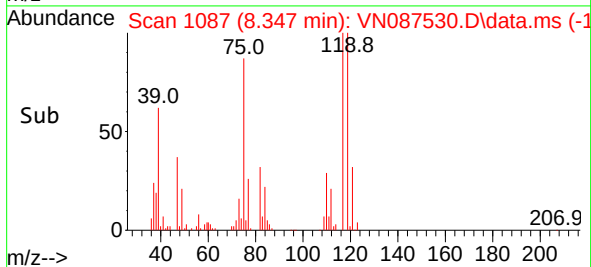
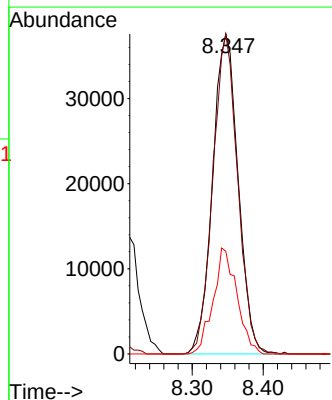
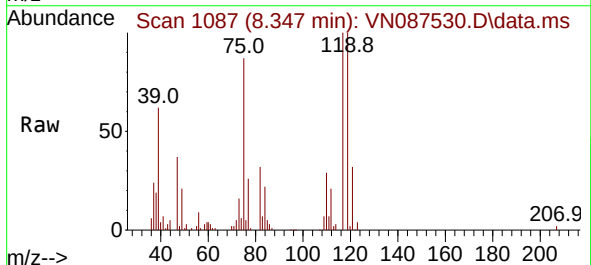
Instrument :  
MSVOA\_N  
ClientSampleId :

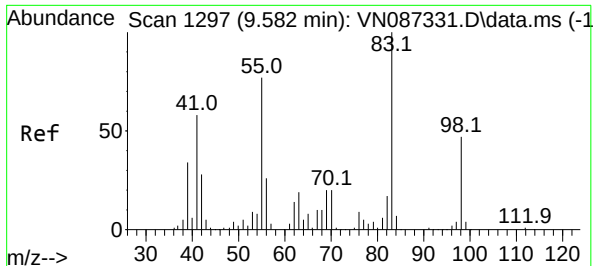
Tgt Ion: 43 Resp: 138345  
Ion Ratio Lower Upper  
43 100  
61 12.0 10.9 16.3  
70 9.0 7.4 11.0



#38  
Carbon Tetrachloride  
Concen: 18.210 ug/l  
RT: 8.347 min Scan# 1087  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 117 Resp: 93676  
Ion Ratio Lower Upper  
117 100  
119 99.9 80.2 120.2  
121 32.1 25.4 38.2





#39

Methylcyclohexane

Concen: 20.968 ug/l

RT: 9.583 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

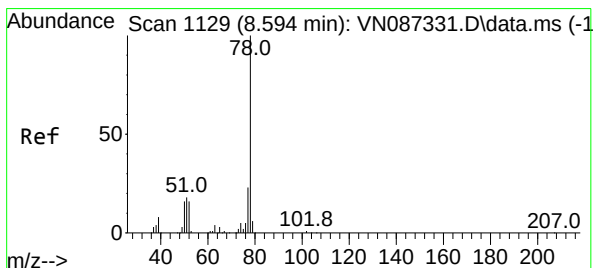
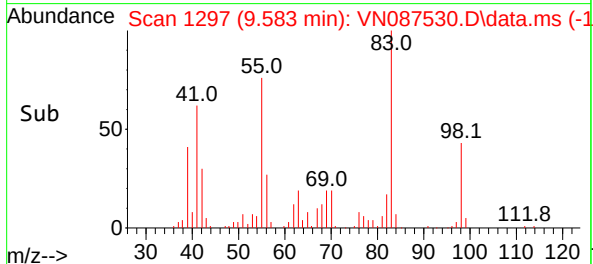
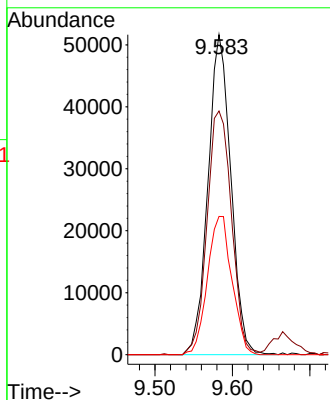
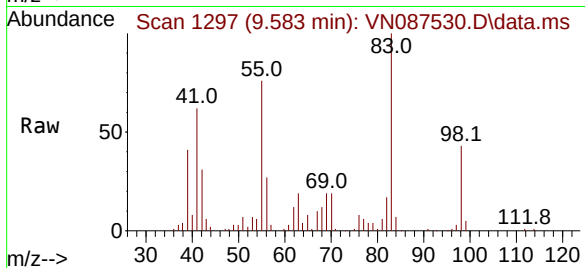
Tgt Ion: 83 Resp: 106012

Ion Ratio Lower Upper

83 100

55 76.2 61.3 91.9

98 43.2 37.9 56.9



#40

Benzene

Concen: 18.861 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087530.D

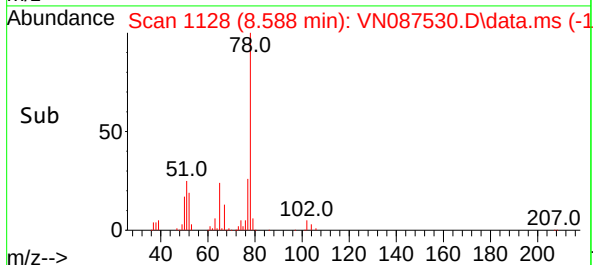
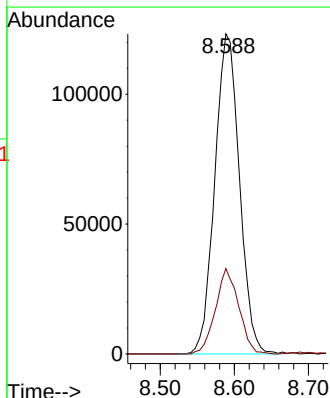
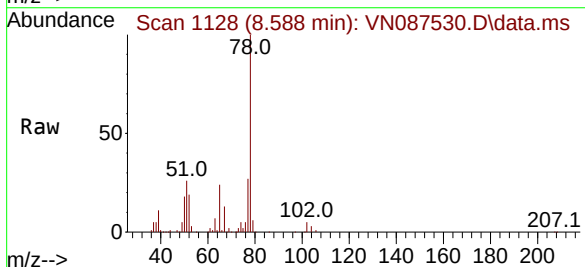
Acq: 13 Aug 2025 13:23

Tgt Ion: 78 Resp: 284664

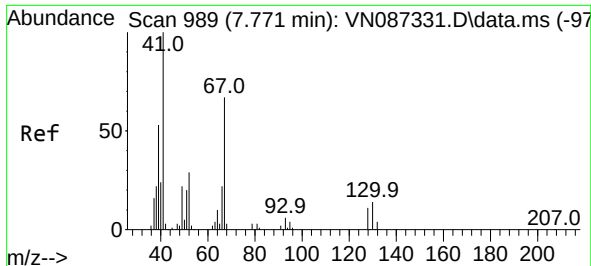
Ion Ratio Lower Upper

78 100

77 26.7 18.2 27.2

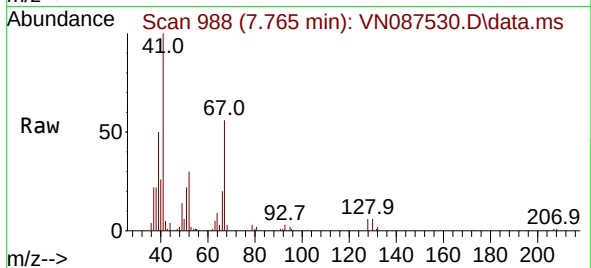




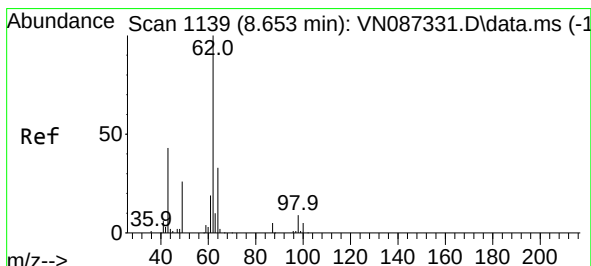
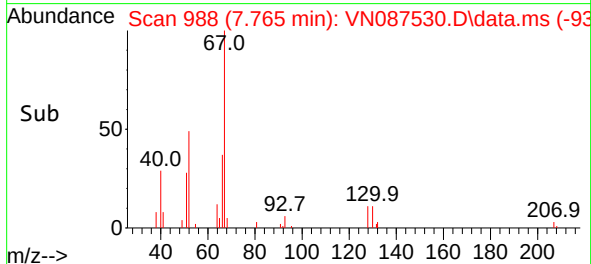
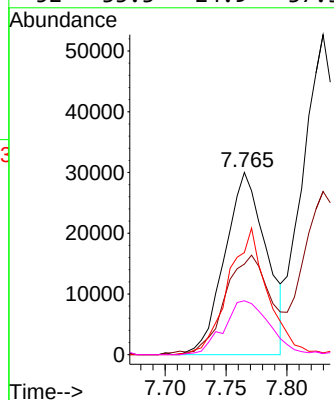


#41  
Methacrylonitrile  
Concen: 20.192 ug/l  
RT: 7.765 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

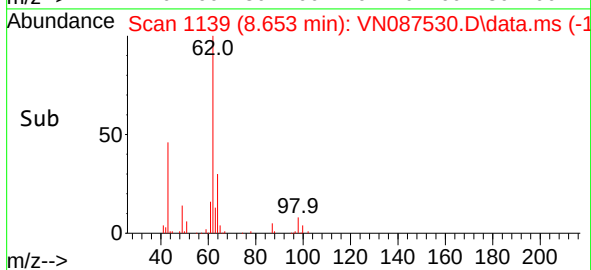
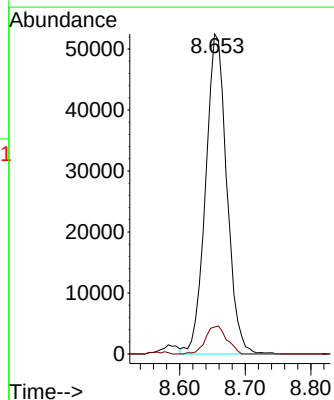
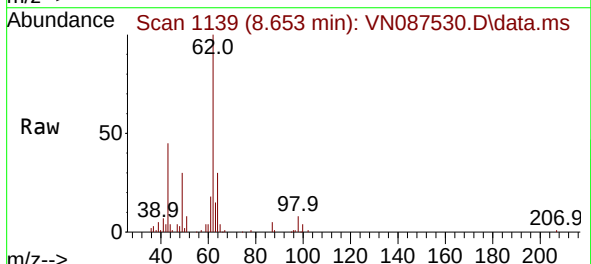


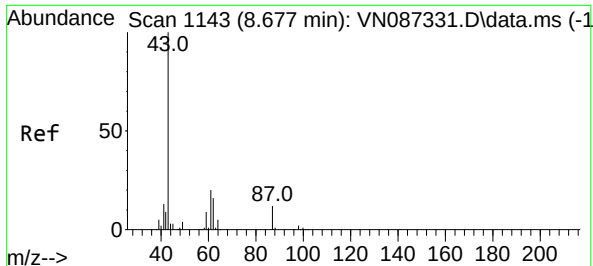
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 71206 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.3  | 43.4  | 65.0  |
| 67       | 66.6  | 55.1  | 82.7  |
| 52       | 33.3  | 24.9  | 37.3  |



#42  
1,2-Dichloroethane  
Concen: 20.585 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

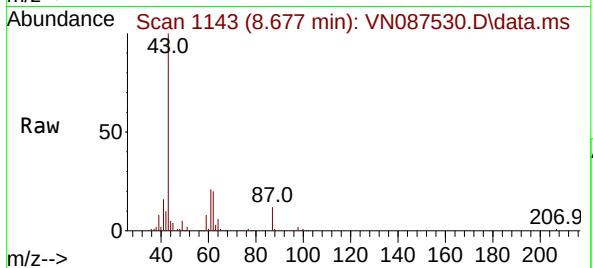
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 117819 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.7   | 0.0   | 18.0   |



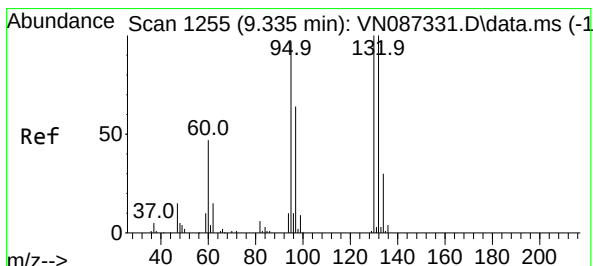
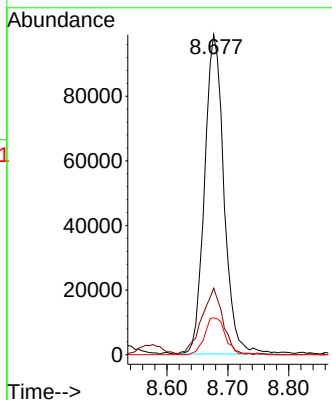
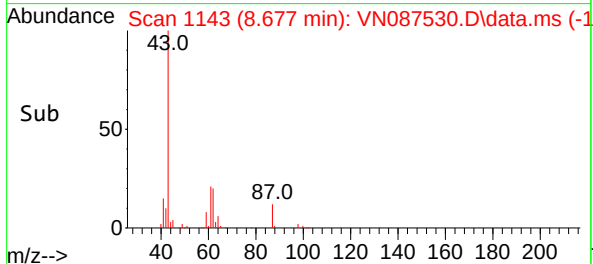


#43  
Isopropyl Acetate  
Concen: 20.891 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

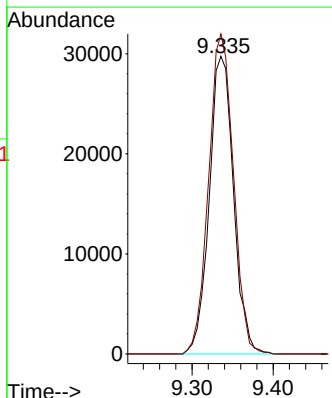
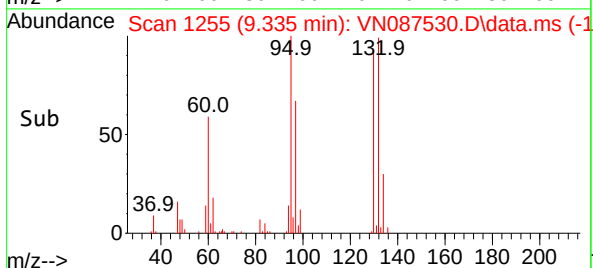
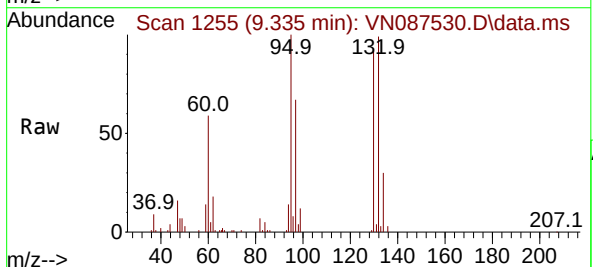


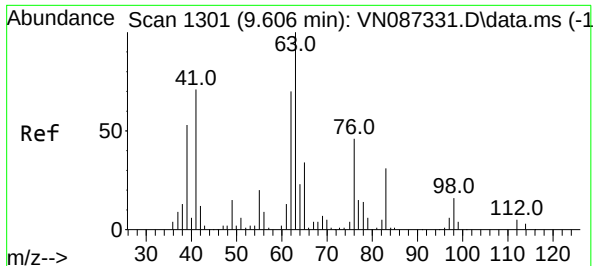
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 218724 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 22.4  | 19.8  | 29.8   |
| 87        | 12.2  | 9.8   | 14.6   |



#44  
Trichloroethene  
Concen: 17.340 ug/l  
RT: 9.335 min Scan# 1255  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 61840 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 107.5 | 0.0   | 195.2 |





#45

1,2-Dichloropropane

Concen: 19.117 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

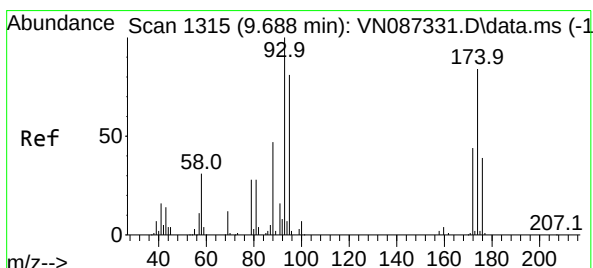
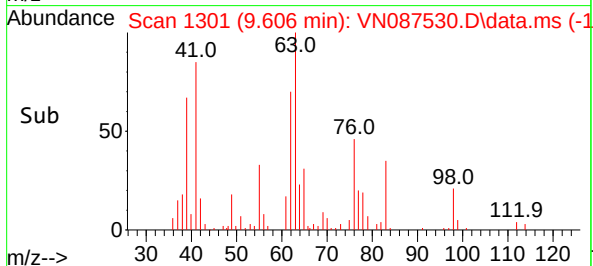
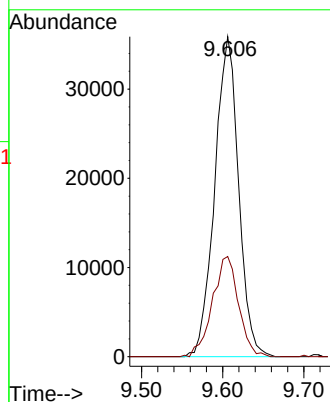
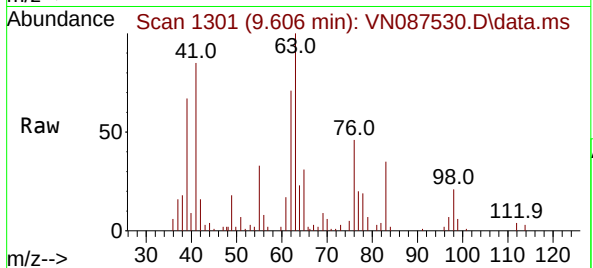
ClientSampleId :

Tgt Ion: 63 Resp: 73314

Ion Ratio Lower Upper

63 100

65 31.3 27.0 40.4



#46

Dibromomethane

Concen: 19.139 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

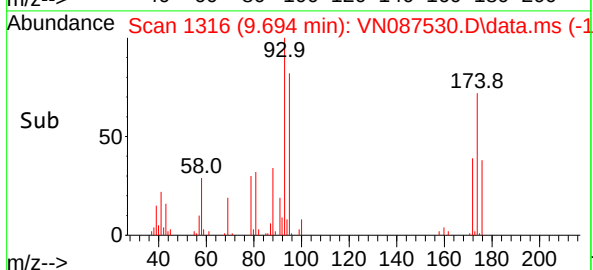
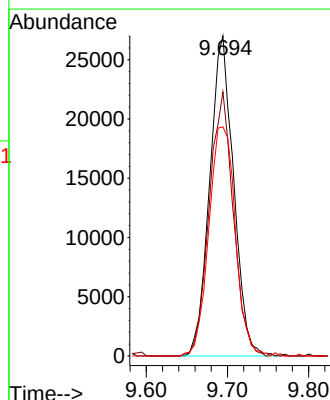
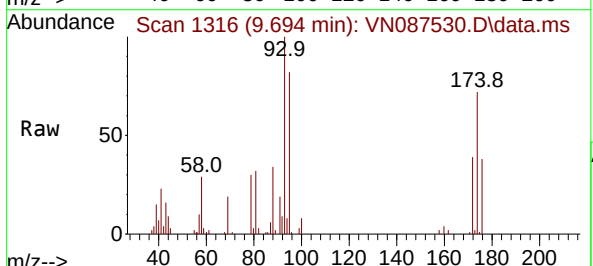
Tgt Ion: 93 Resp: 54955

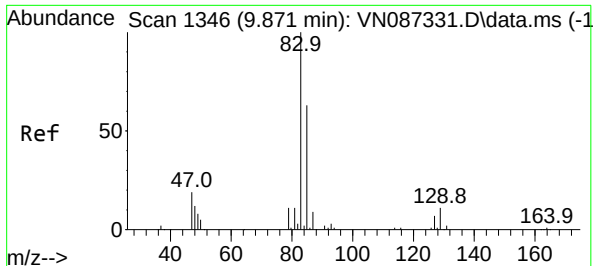
Ion Ratio Lower Upper

93 100

95 84.1 65.8 98.8

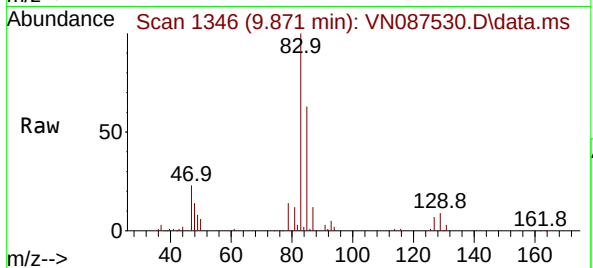
174 79.6 69.9 104.9



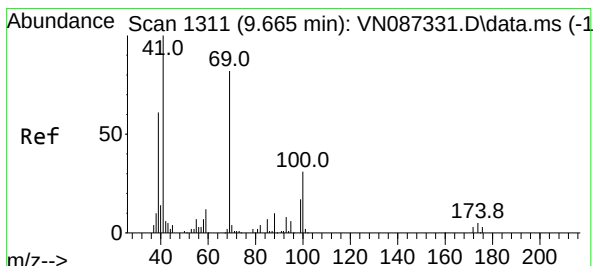
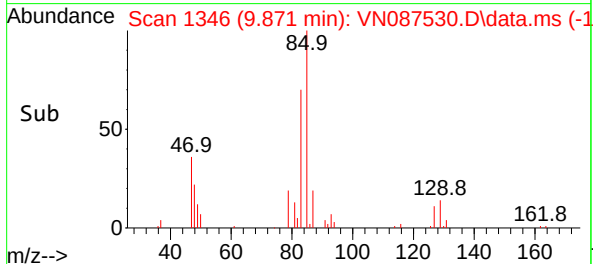
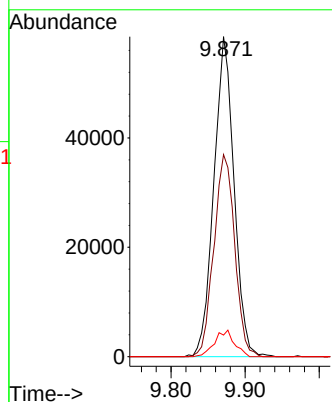


#47  
Bromodichloromethane  
Concen: 19.114 ug/l  
RT: 9.871 min Scan# 1346  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Instrument :  
MSVOA\_N  
ClientSampleId :

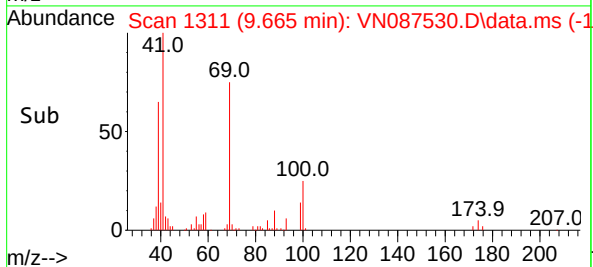
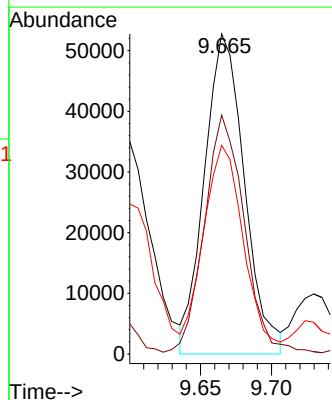
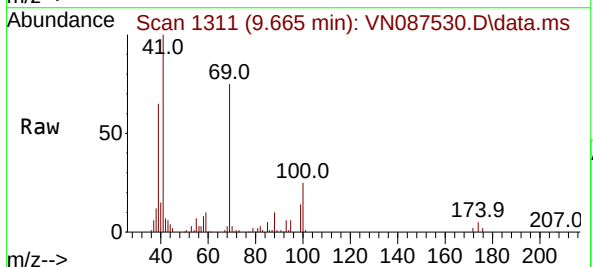


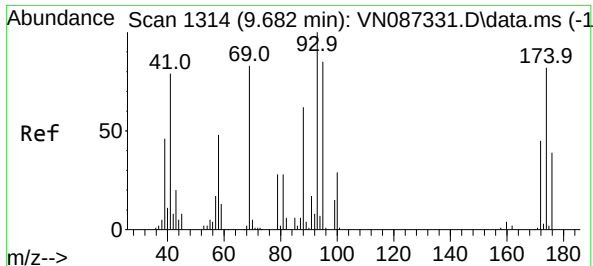
Tgt Ion: 83 Resp: 110549  
Ion Ratio Lower Upper  
83 100  
85 63.2 50.4 75.6  
127 6.7 5.8 8.8



#48  
Methyl methacrylate  
Concen: 21.906 ug/l  
RT: 9.665 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 41 Resp: 103250  
Ion Ratio Lower Upper  
41 100  
69 73.9 64.1 96.1  
39 65.6 45.5 68.3





#49

1,4-Dioxane

Concen: 425.370 ug/l

RT: 9.683 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

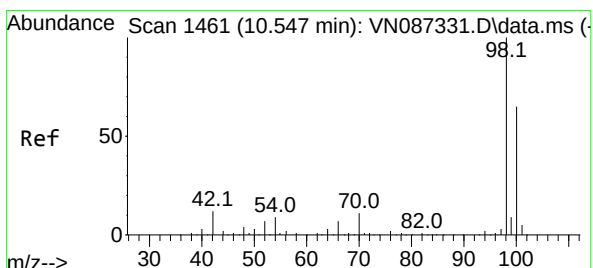
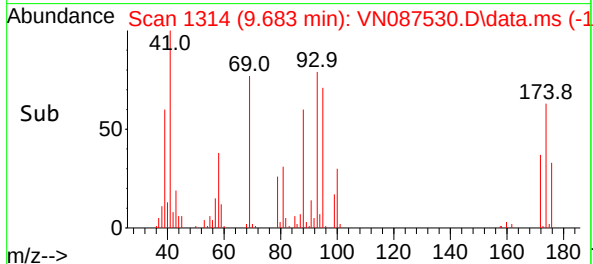
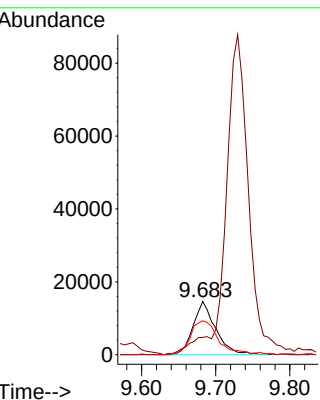
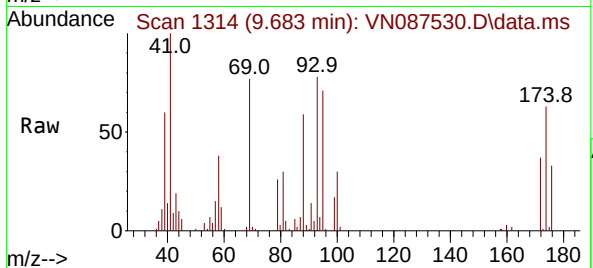
Tgt Ion: 88 Resp: 30707

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 78.1 61.1 91.7



#50

Toluene-d8

Concen: 48.736 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087530.D

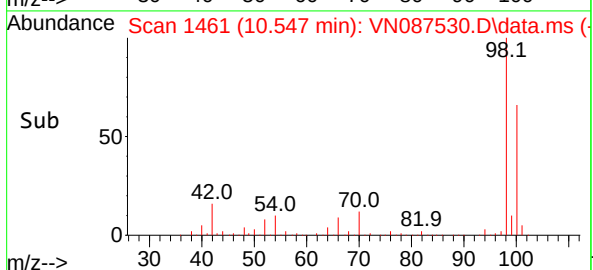
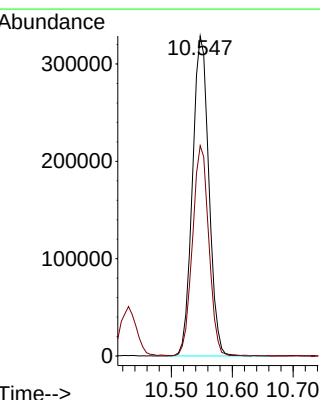
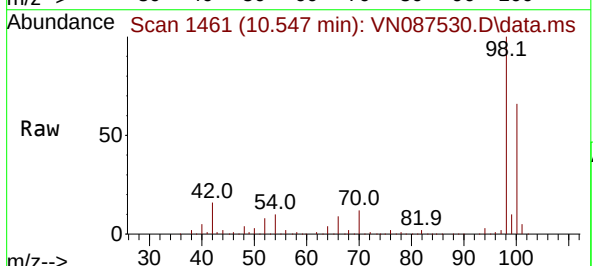
Acq: 13 Aug 2025 13:23

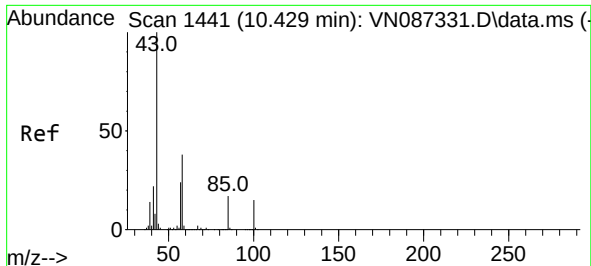
Tgt Ion: 98 Resp: 614481

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1

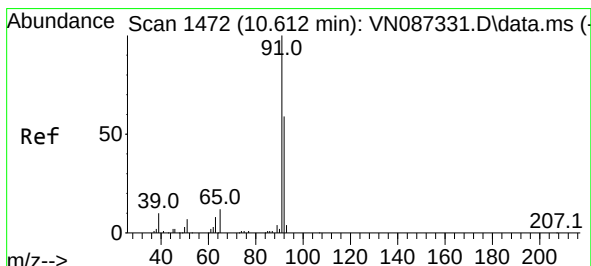
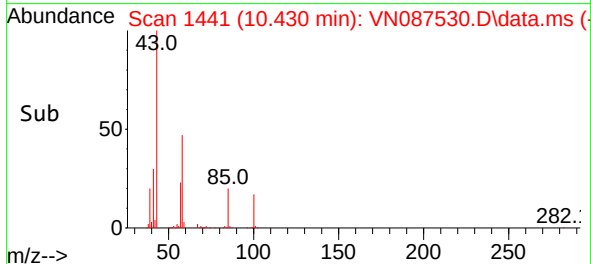
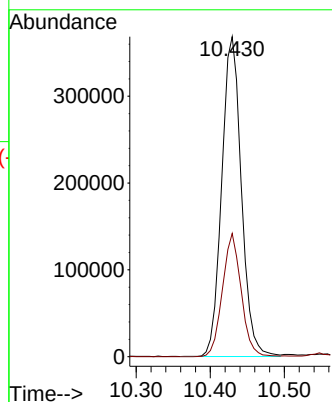
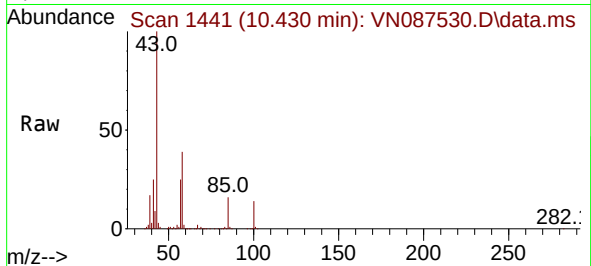




#51  
4-Methyl-2-Pentanone  
Concen: 102.315 ug/l  
RT: 10.430 min Scan# 1441  
Delta R.T. 0.001 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

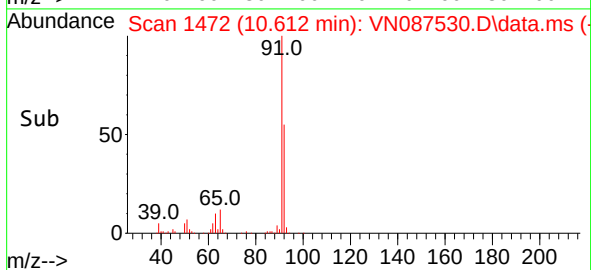
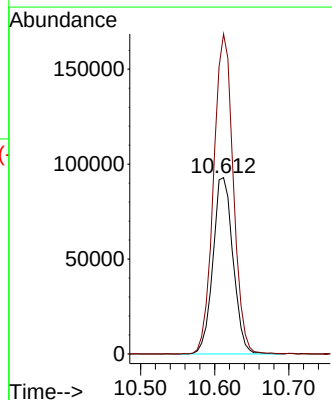
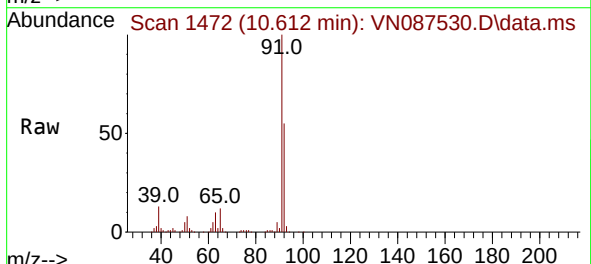
Instrument :  
MSVOA\_N  
ClientSampleId :

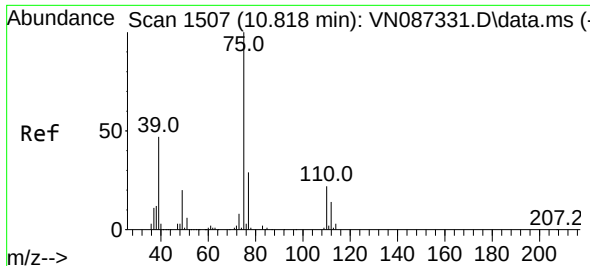
Tgt Ion: 43 Resp: 677508  
Ion Ratio Lower Upper  
43 100  
58 36.9 30.8 46.2



#52  
Toluene  
Concen: 19.030 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 92 Resp: 174579  
Ion Ratio Lower Upper  
92 100  
91 178.2 135.1 202.7

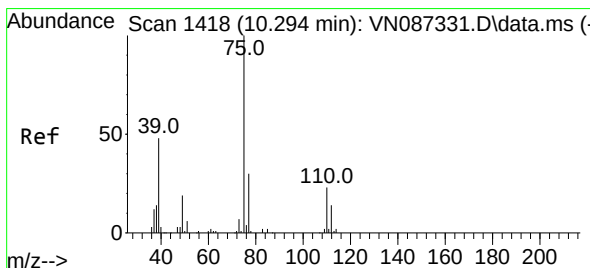
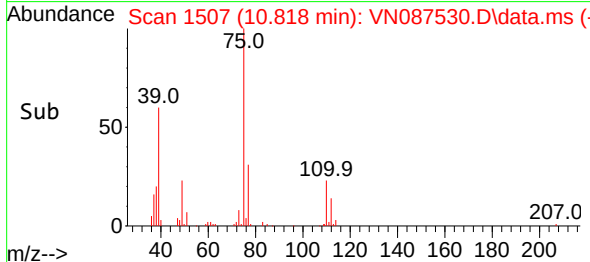
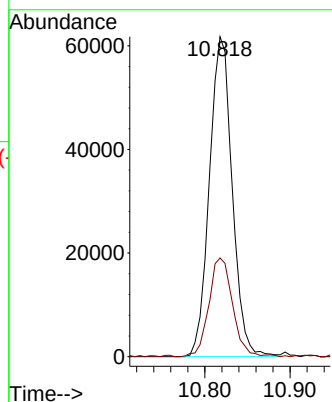
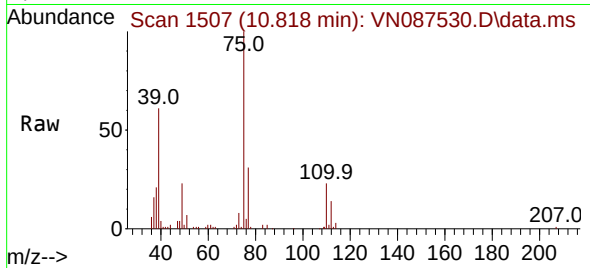




#53  
 t-1,3-Dichloropropene  
 Concen: 19.602 ug/l  
 RT: 10.818 min Scan# 1507  
 Delta R.T. -0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

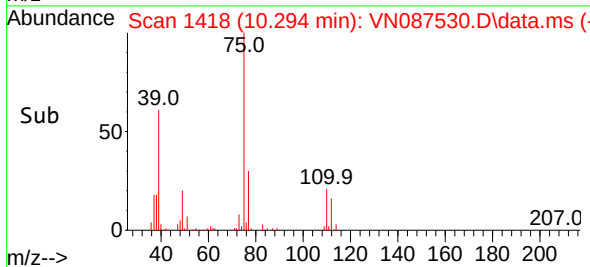
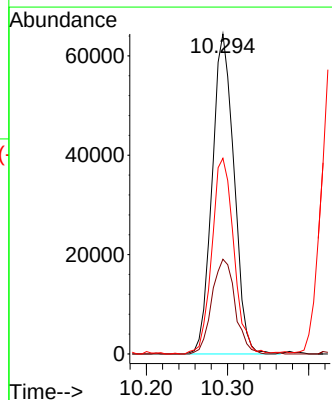
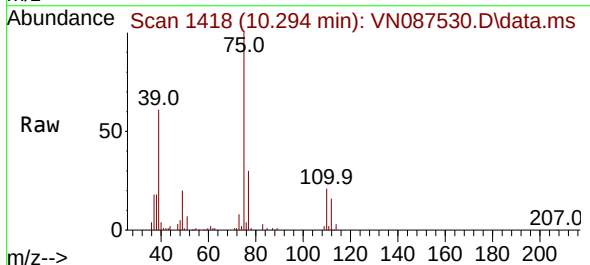
Instrument :  
 MSVOA\_N  
 ClientSampleId :

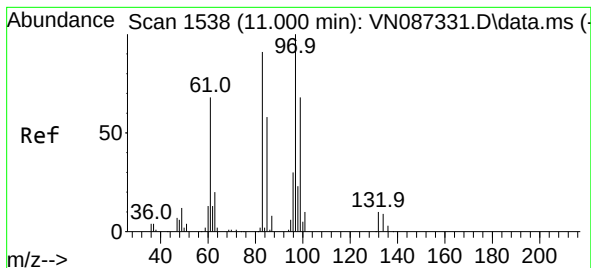
Tgt Ion: 75 Resp: 114738  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 23.6 35.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.958 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion: 75 Resp: 120668  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 24.2 36.2  
 39 61.1 38.4 57.6#





#55

1,1,2-Trichloroethane

Concen: 19.125 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. -0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 97 Resp: 71031

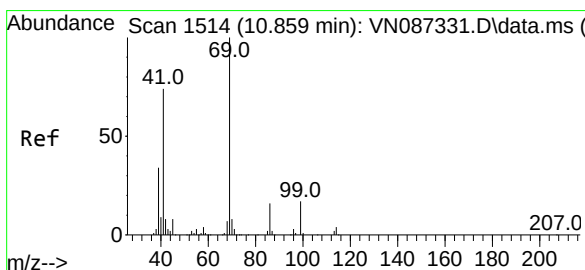
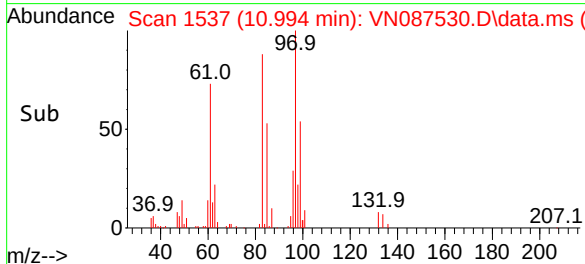
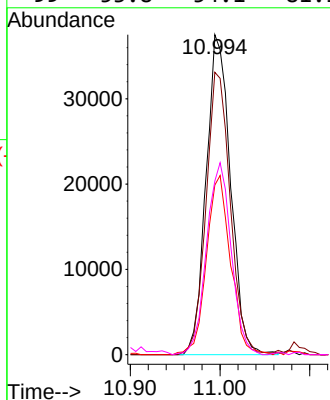
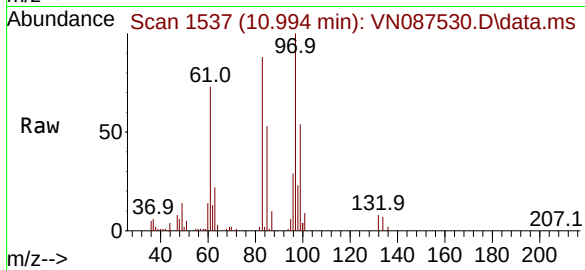
Ion Ratio Lower Upper

97 100

83 88.2 72.6 109.0

85 52.3 46.7 70.1

99 53.8 54.1 81.1#



#56

Ethyl methacrylate

Concen: 19.958 ug/l

RT: 10.859 min Scan# 1514

Delta R.T. -0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

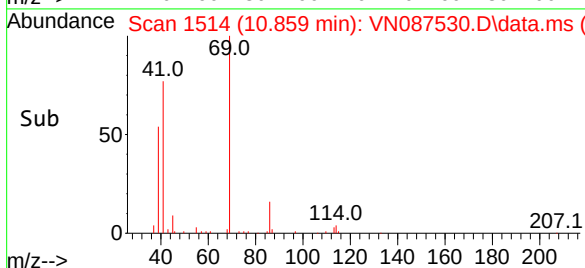
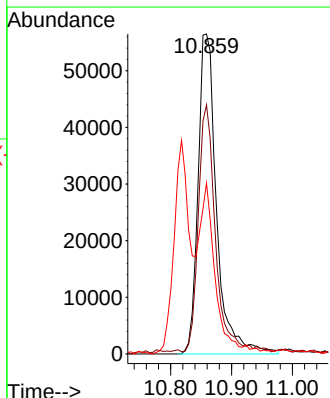
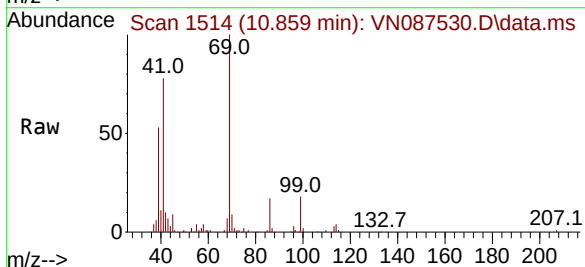
Tgt Ion: 69 Resp: 119790

Ion Ratio Lower Upper

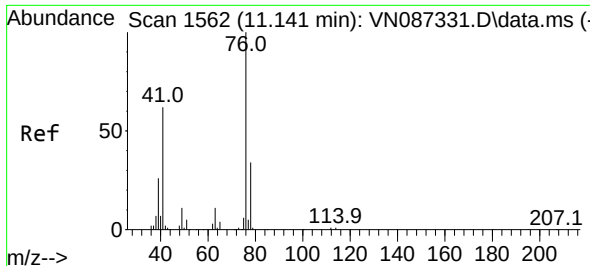
69 100

41 71.6 55.1 82.7

39 43.6 27.9 41.9#







#57

1,3-Dichloropropane

Concen: 19.584 ug/l

RT: 11.147 min Scan# 1563

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

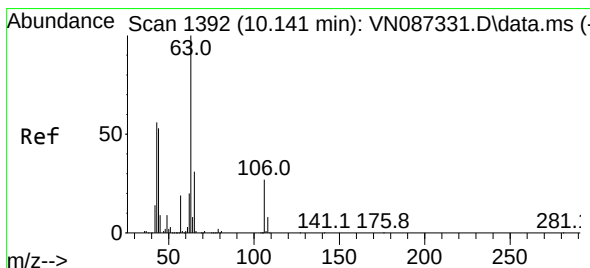
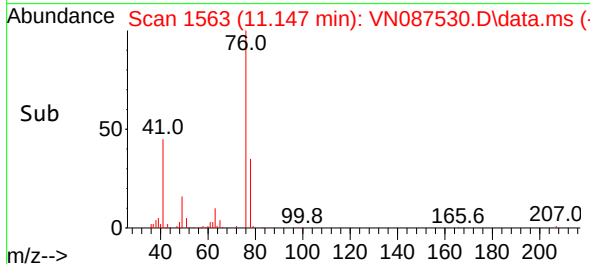
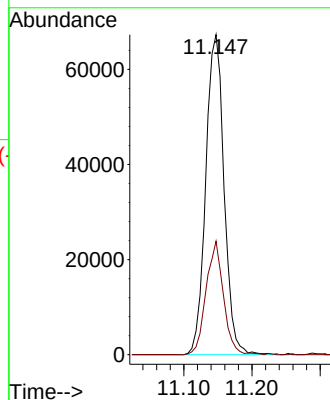
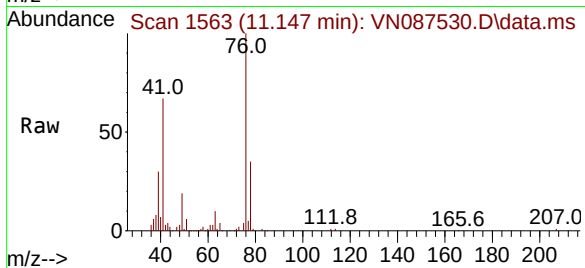
ClientSampleId :

Tgt Ion: 76 Resp: 125761

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 111.937 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN087530.D

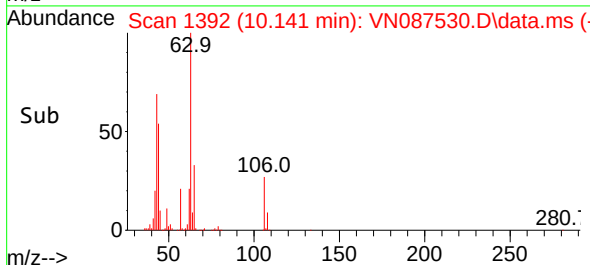
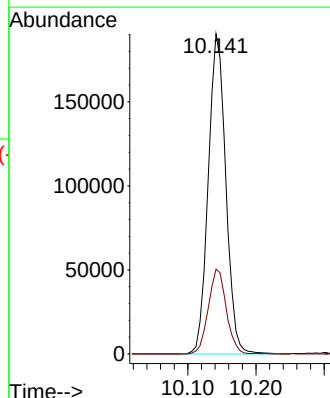
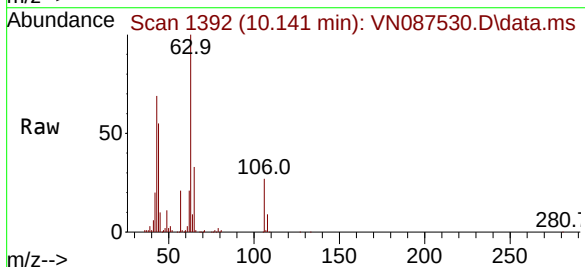
Acq: 13 Aug 2025 13:23

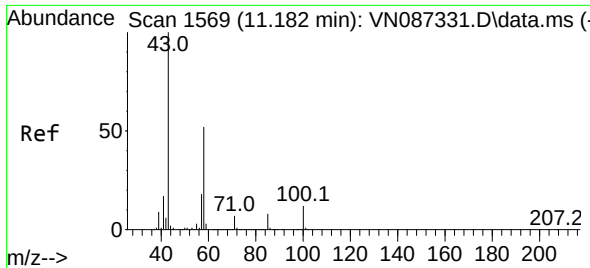
Tgt Ion: 63 Resp: 341037

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5

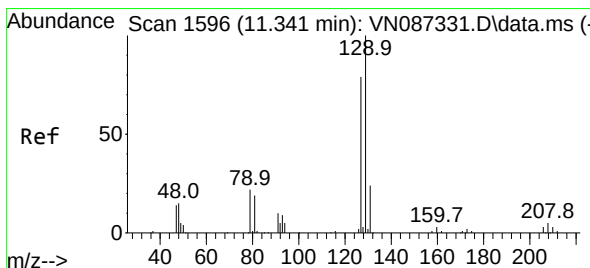
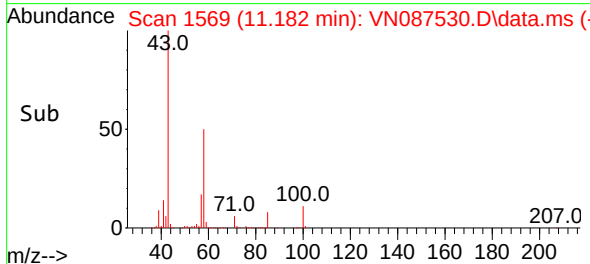
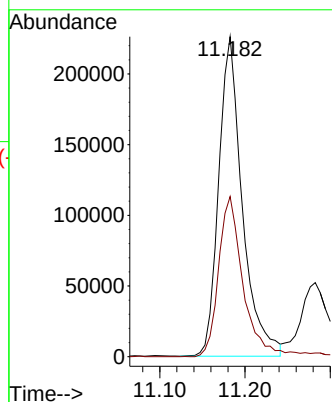
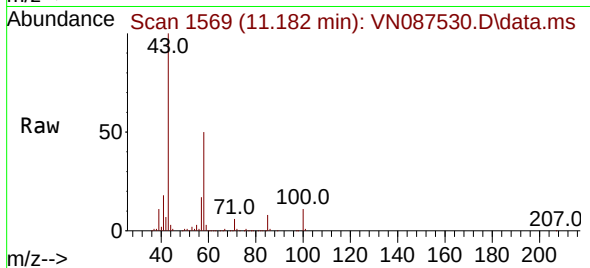




#59  
2-Hexanone  
Concen: 98.981 ug/l  
RT: 11.182 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

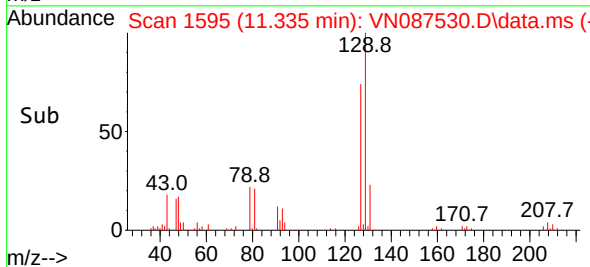
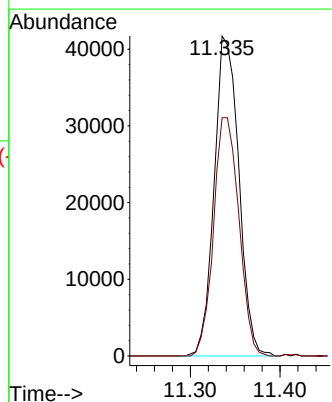
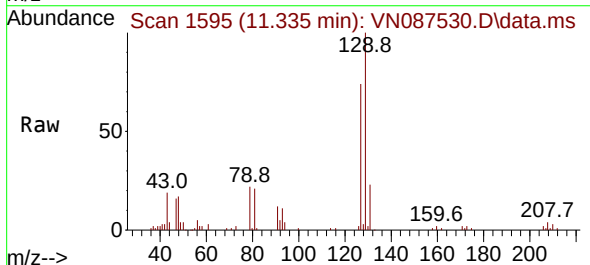
Instrument :  
MSVOA\_N  
ClientSampleId :

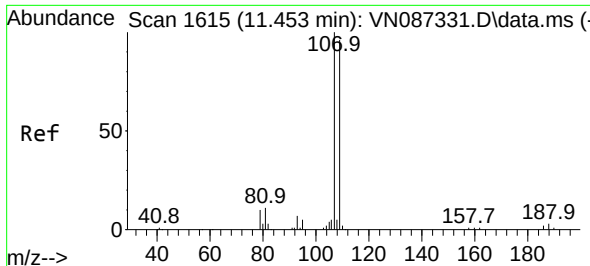
Tgt Ion: 43 Resp: 434848  
Ion Ratio Lower Upper  
43 100  
58 52.8 26.7 80.0



#60  
Dibromochloromethane  
Concen: 18.765 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion:129 Resp: 79483  
Ion Ratio Lower Upper  
129 100  
127 76.7 39.1 117.5

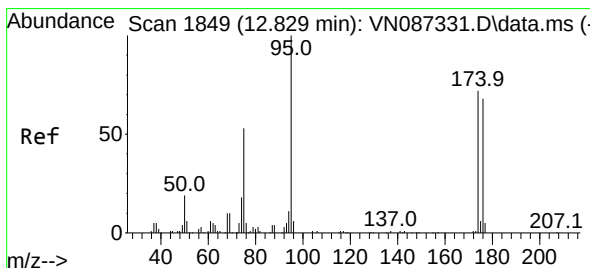
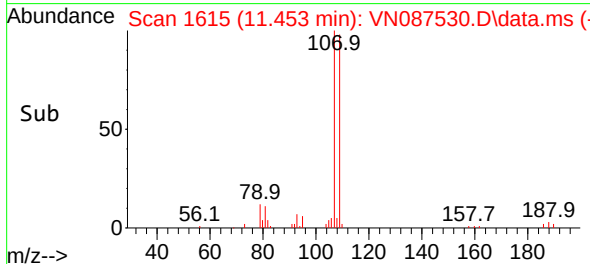
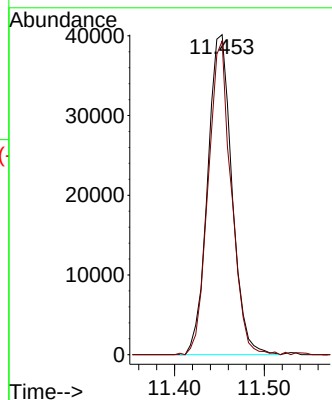
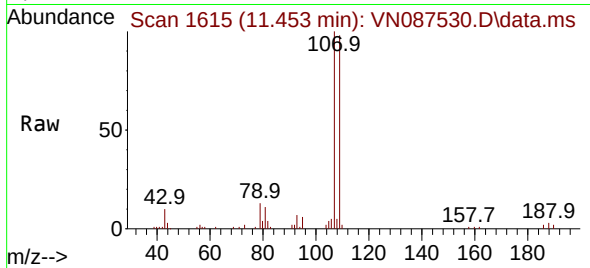




#61  
1,2-Dibromoethane  
Concen: 19.374 ug/l  
RT: 11.453 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

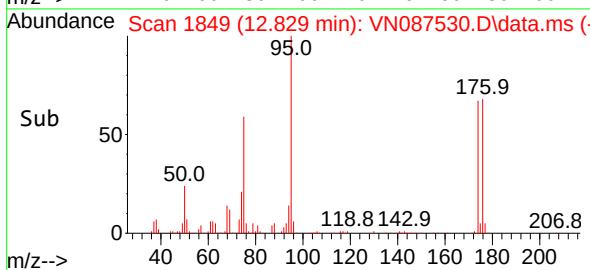
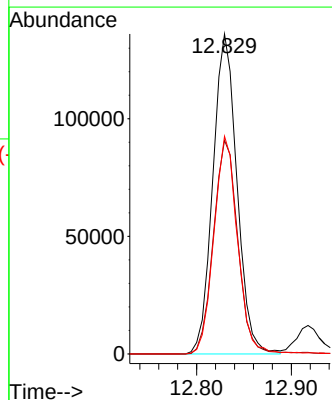
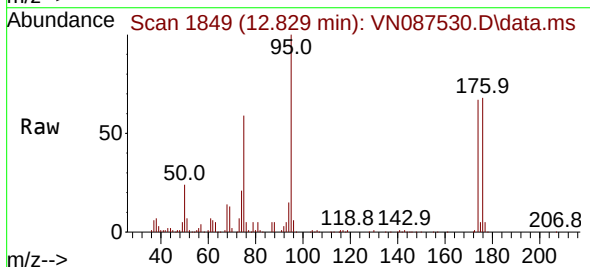
Instrument :  
MSVOA\_N  
ClientSampleId :

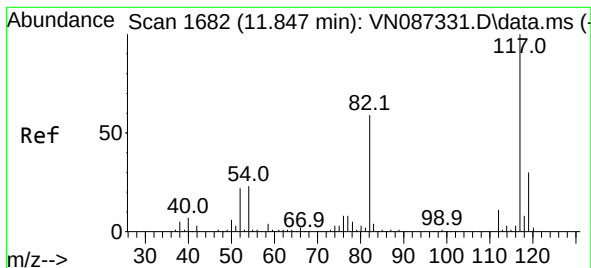
Tgt Ion:107 Resp: 75658  
Ion Ratio Lower Upper  
107 100  
109 92.5 77.5 116.3



#62  
4-Bromofluorobenzene  
Concen: 51.682 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 95 Resp: 240746  
Ion Ratio Lower Upper  
95 100  
174 67.4 0.0 149.4  
176 66.9 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

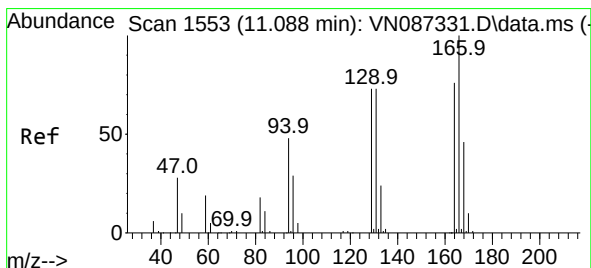
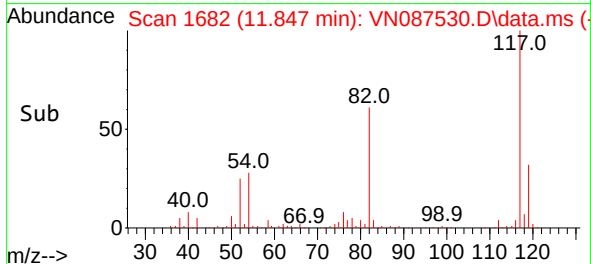
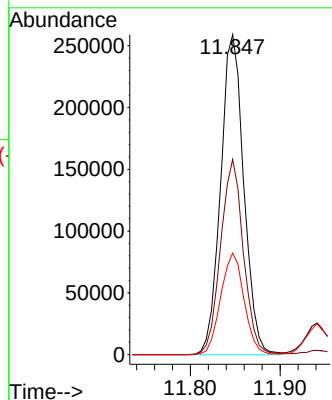
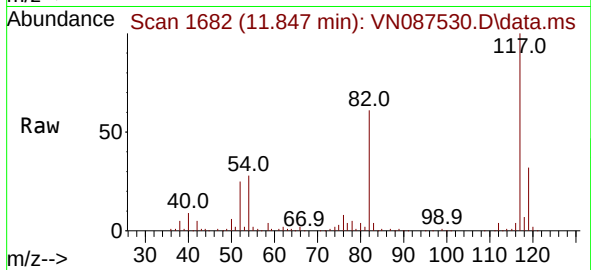
Tgt Ion:117 Resp: 464252

Ion Ratio Lower Upper

117 100

82 61.0 47.4 71.2

119 31.8 23.8 35.8



#64

Tetrachloroethene

Concen: 16.635 ug/l

RT: 11.082 min Scan# 1552

Delta R.T. -0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Tgt Ion:164 Resp: 49705

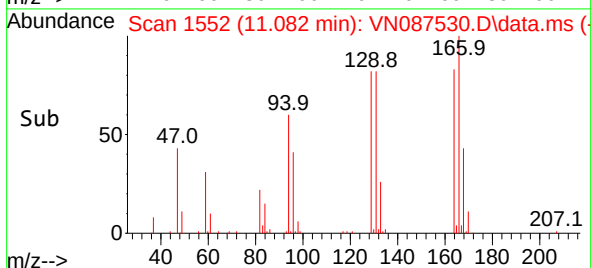
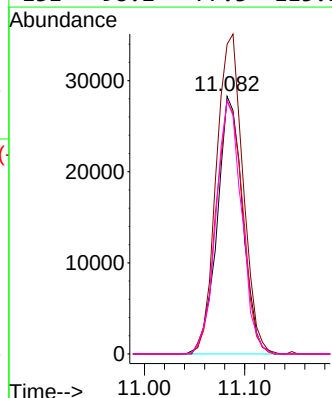
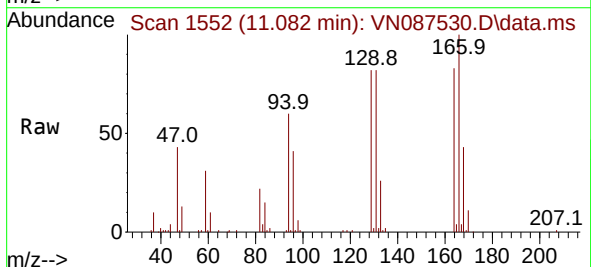
Ion Ratio Lower Upper

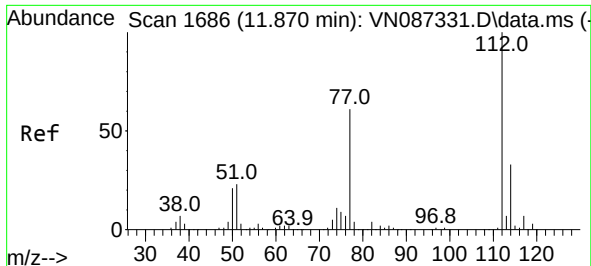
164 100

166 120.2 105.5 158.3

129 98.4 77.4 116.2

131 98.2 77.3 115.9

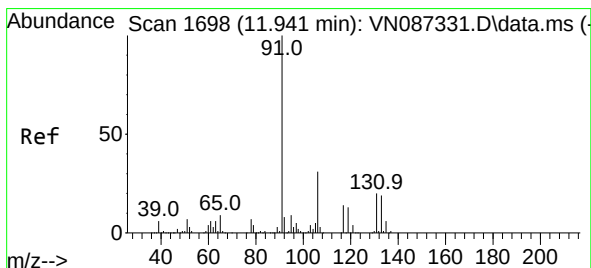
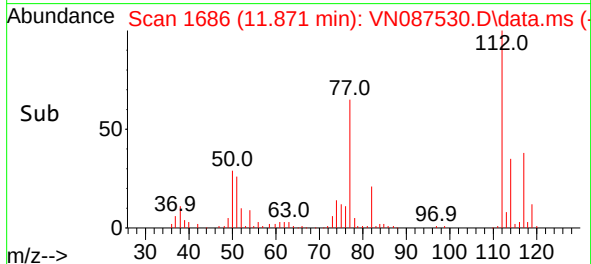
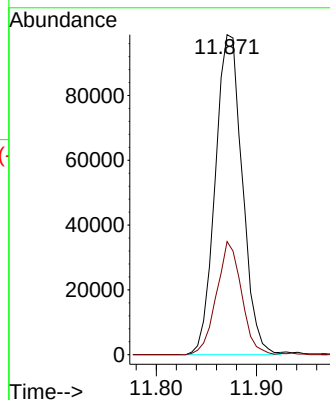
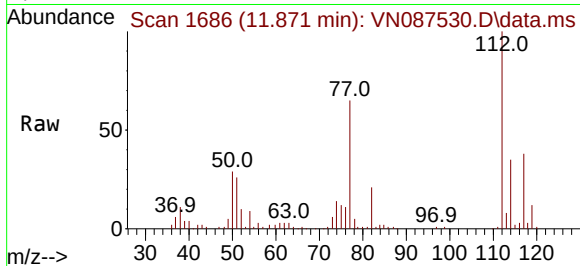




#65  
Chlorobenzene  
Concen: 17.787 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

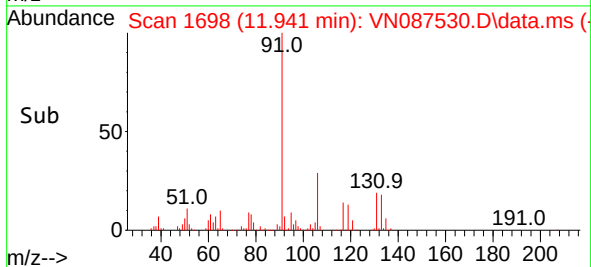
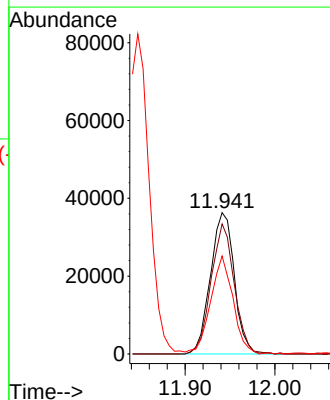
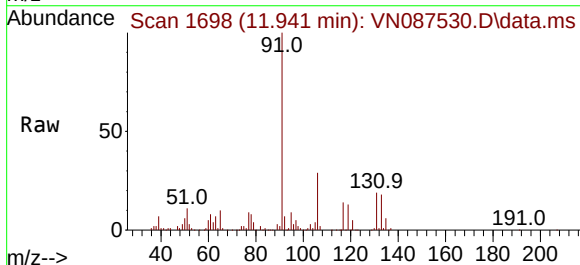
Instrument :  
MSVOA\_N  
ClientSampleId :

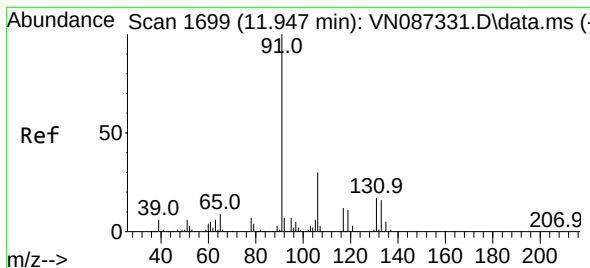
Tgt Ion:112 Resp: 185394  
Ion Ratio Lower Upper  
112 100  
114 35.3 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.862 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion:131 Resp: 66848  
Ion Ratio Lower Upper  
131 100  
133 90.2 47.4 142.3  
119 64.1 33.1 99.2





#67

Ethyl Benzene

Concen: 19.562 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

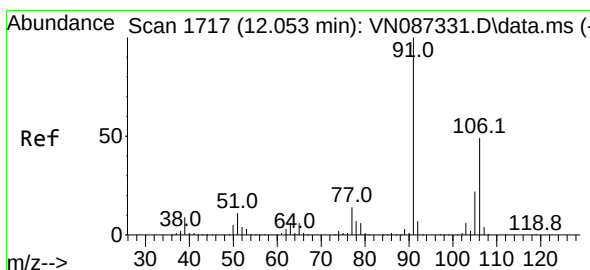
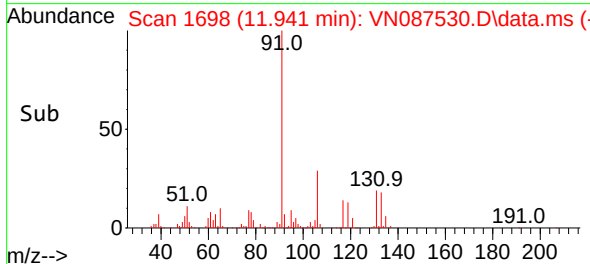
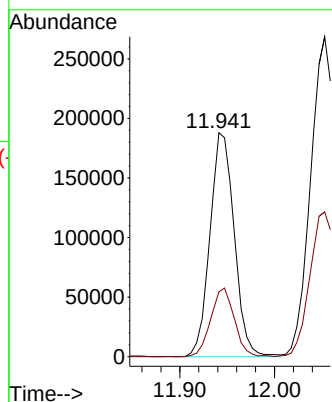
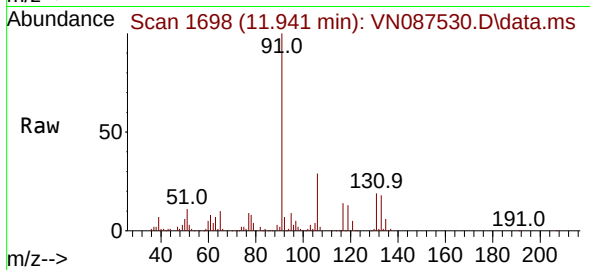
ClientSampleId :

Tgt Ion: 91 Resp: 335652

Ion Ratio Lower Upper

91 100

106 29.0 24.3 36.5



#68

m/p-Xylenes

Concen: 38.658 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VN087530.D

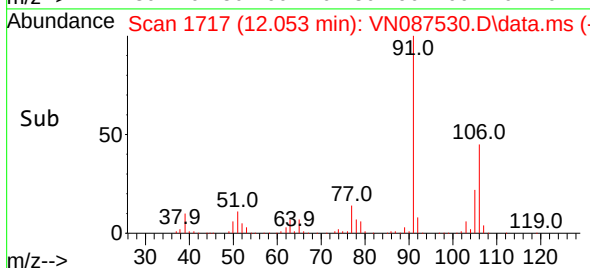
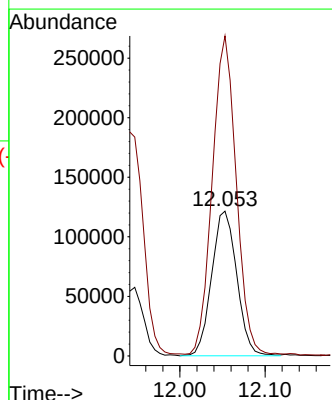
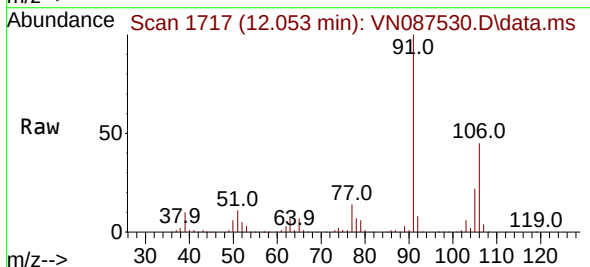
Acq: 13 Aug 2025 13:23

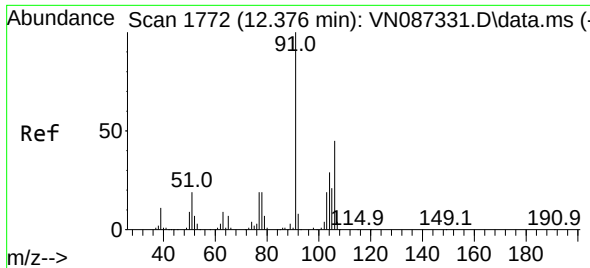
Tgt Ion:106 Resp: 248384

Ion Ratio Lower Upper

106 100

91 212.8 162.0 243.0

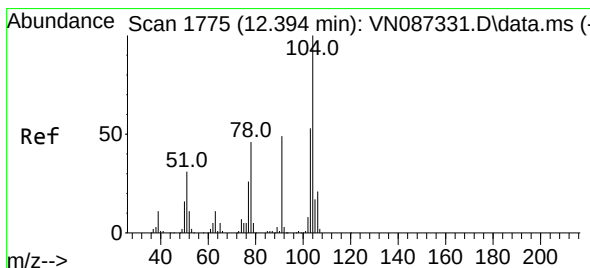
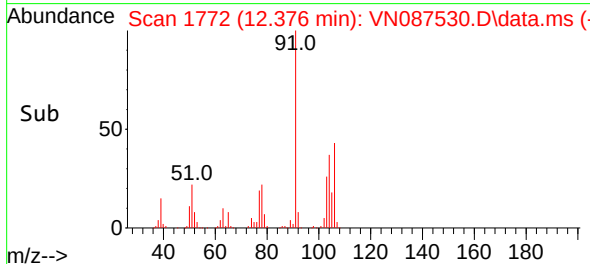
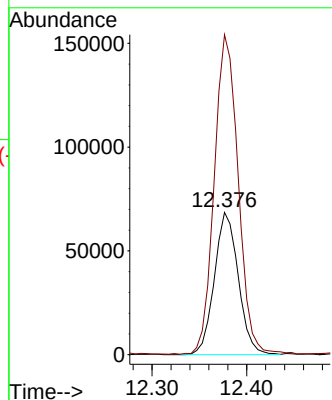
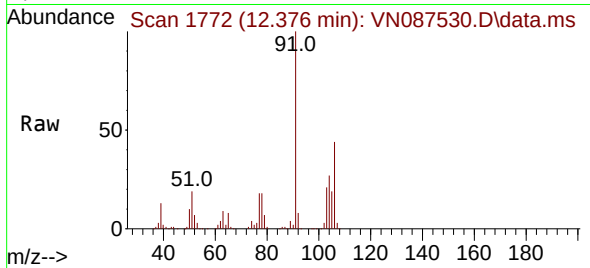




#69  
o-Xylene  
Concen: 19.637 ug/l  
RT: 12.376 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

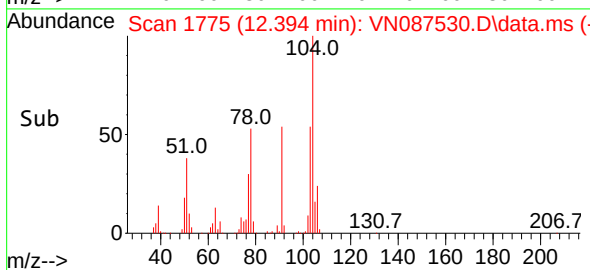
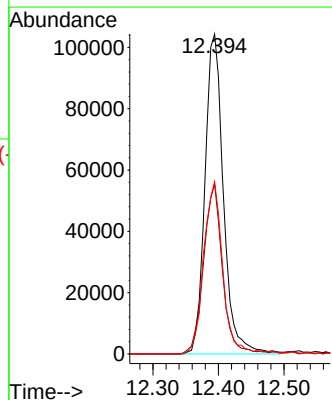
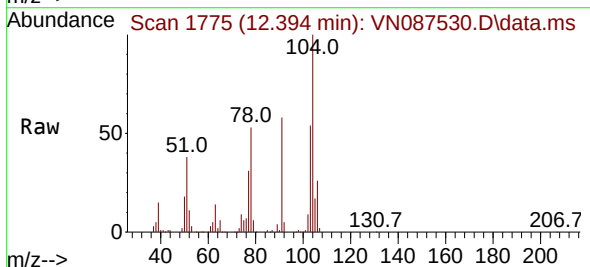
Instrument :  
MSVOA\_N  
ClientSampleId :

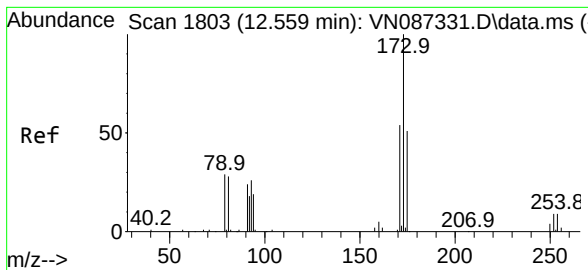
Tgt Ion:106 Resp: 120524  
Ion Ratio Lower Upper  
106 100  
91 224.2 107.7 323.3



#70  
Styrene  
Concen: 19.838 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion:104 Resp: 204820  
Ion Ratio Lower Upper  
104 100  
78 54.0 41.0 61.6  
103 55.3 43.9 65.9

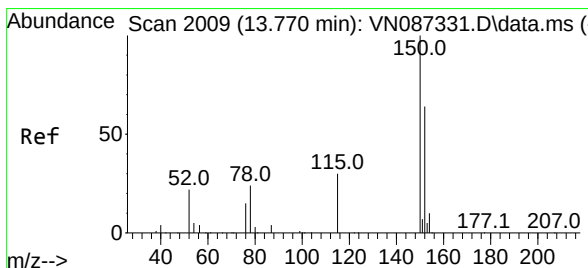
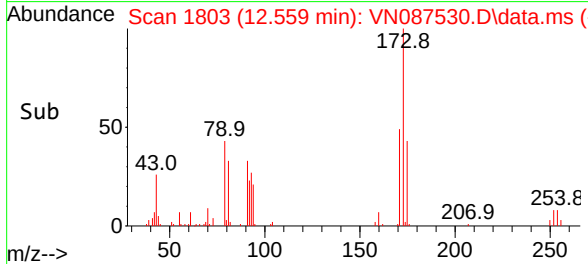
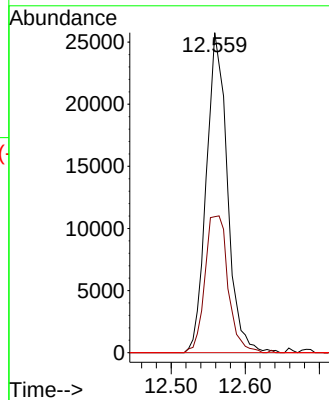
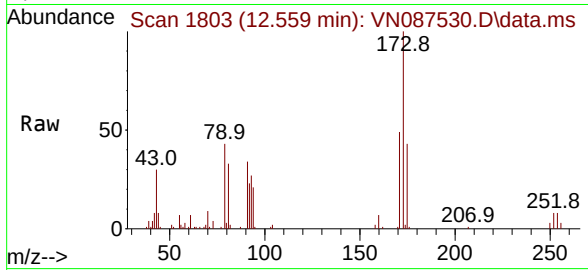




#71  
Bromoform  
Concen: 17.755 ug/l  
RT: 12.559 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

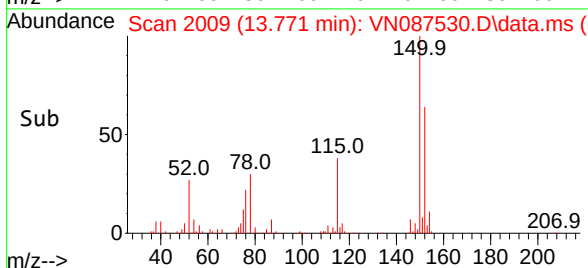
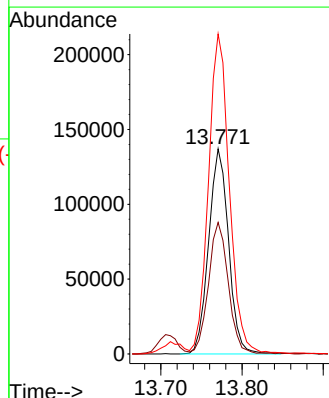
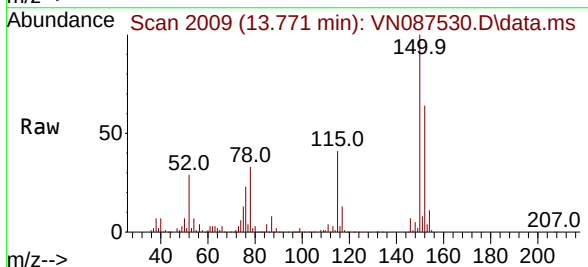
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:173 Resp: 50837  
Ion Ratio Lower Upper  
173 100  
175 47.1 24.1 72.3  
254 0.0 0.0 0.0

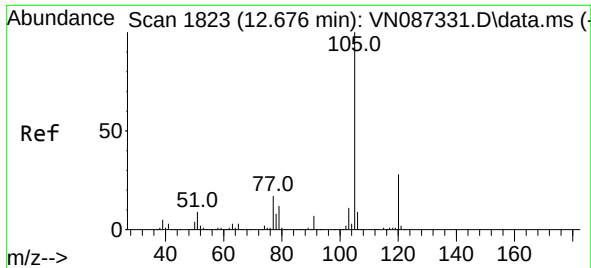


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.771 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion:152 Resp: 233575  
Ion Ratio Lower Upper  
152 100  
115 63.5 31.1 93.5  
150 162.5 0.0 349.0



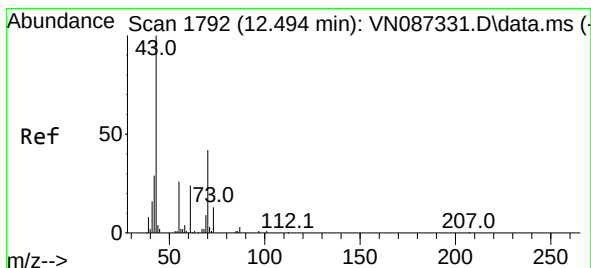
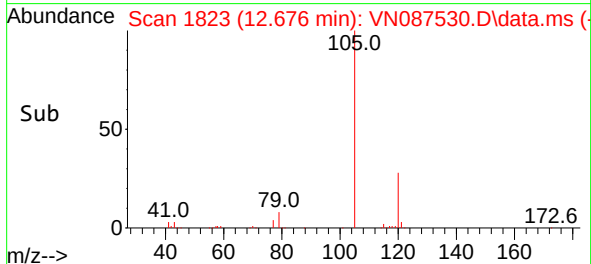
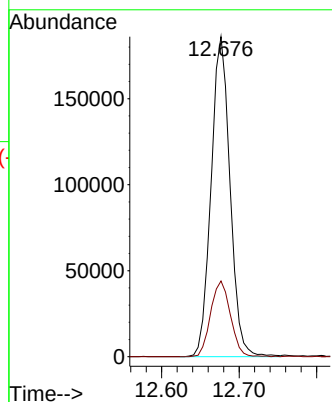
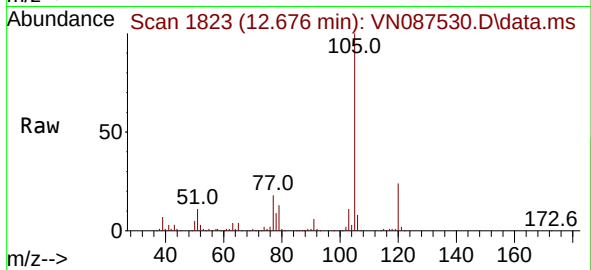




#73  
Isopropylbenzene  
Concen: 21.497 ug/l  
RT: 12.676 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

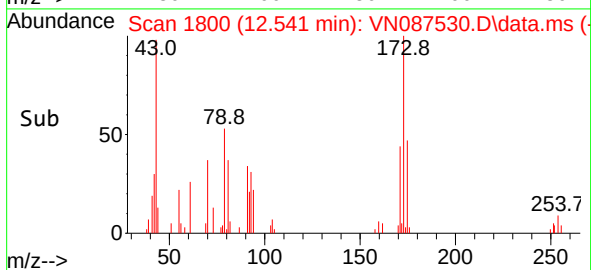
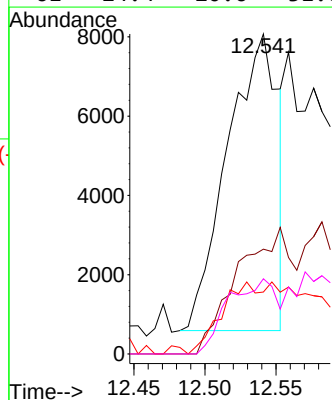
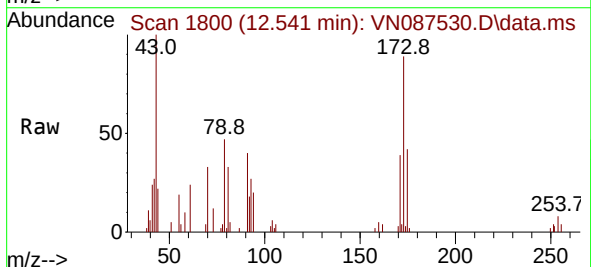
Instrument :  
MSVOA\_N  
ClientSampleId :

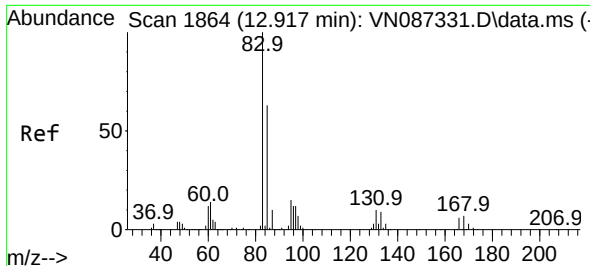
Tgt Ion:105 Resp: 316020  
Ion Ratio Lower Upper  
105 100  
120 24.7 13.4 40.1



#74  
N-ethyl acetate  
Concen: 3.031 ug/l  
RT: 12.541 min Scan# 1800  
Delta R.T. 0.047 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 43 Resp: 18510  
Ion Ratio Lower Upper  
43 100  
70 46.6 37.6 56.4  
55 0.0 19.6 29.4#  
61 24.4 20.6 31.0

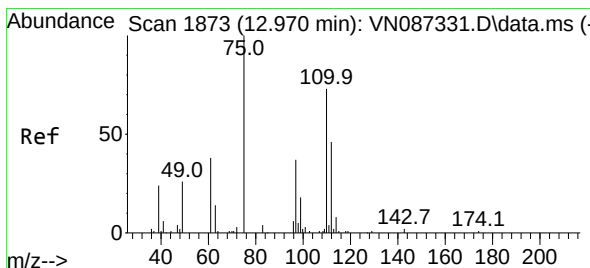
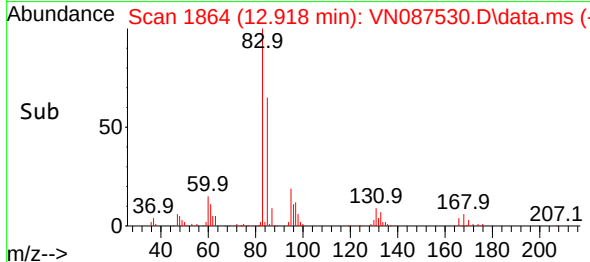
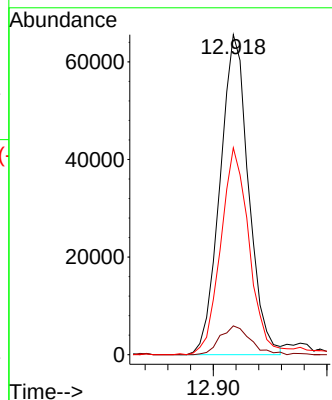
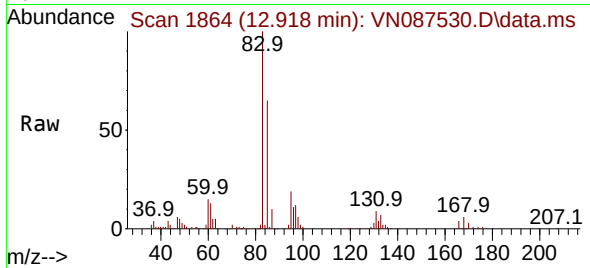




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.697 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

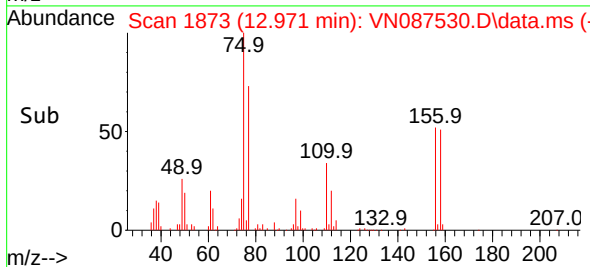
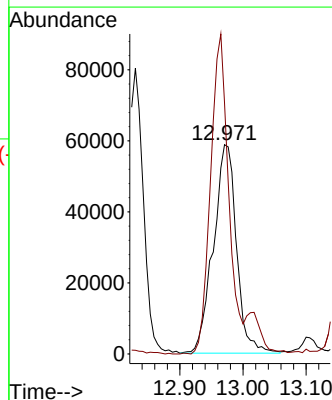
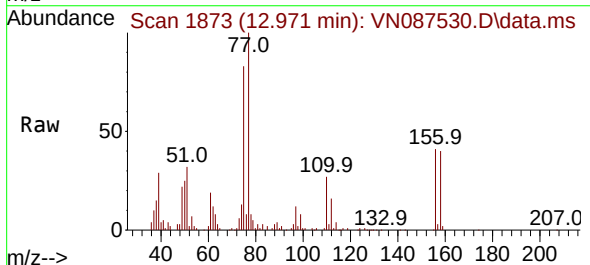
Instrument :  
 MSVOA\_N  
 ClientSampleId :

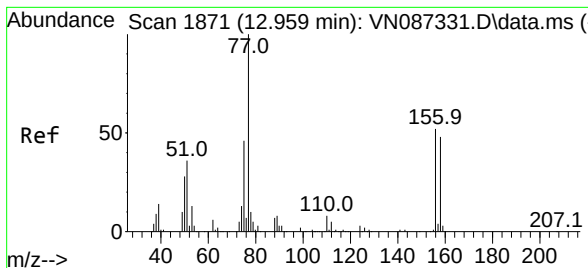
Tgt Ion: 83 Resp: 114486  
 Ion Ratio Lower Upper  
 83 100  
 131 9.7 5.1 15.3  
 85 66.8 32.5 97.4



#76  
 1,2,3-Trichloropropane  
 Concen: 28.594 ug/l  
 RT: 12.971 min Scan# 1873  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion: 75 Resp: 149767  
 Ion Ratio Lower Upper  
 75 100  
 77 119.3 94.5 283.6





#77

Bromobenzene

Concen: 19.111 ug/l

RT: 12.965 min Scan# 1872

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

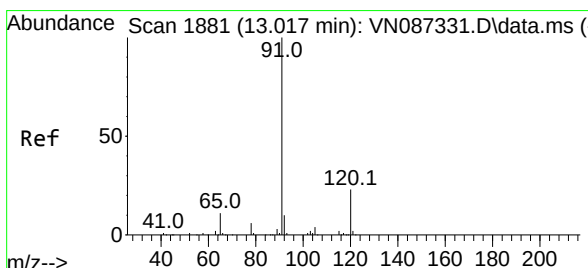
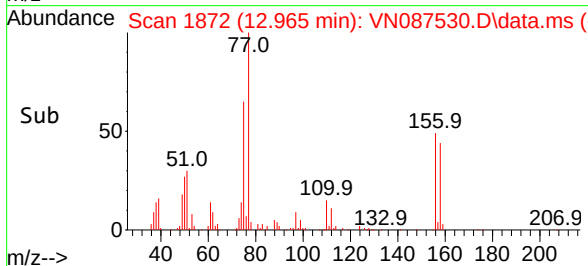
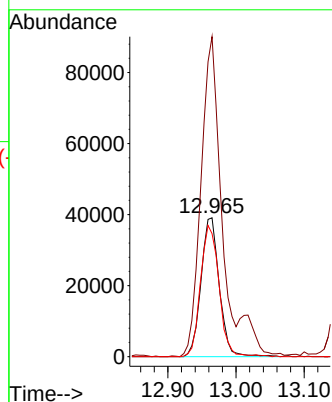
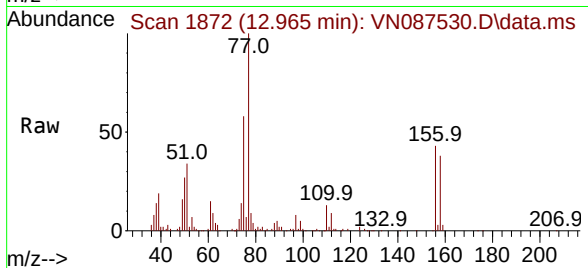
Tgt Ion:156 Resp: 72862

Ion Ratio Lower Upper

156 100

77 245.2 114.9 344.6

158 96.1 48.5 145.5



#78

n-propylbenzene

Concen: 21.518 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.000 min

Lab File: VN087530.D

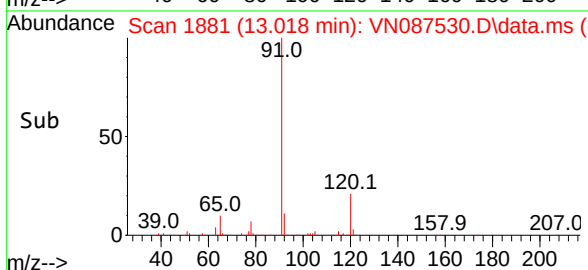
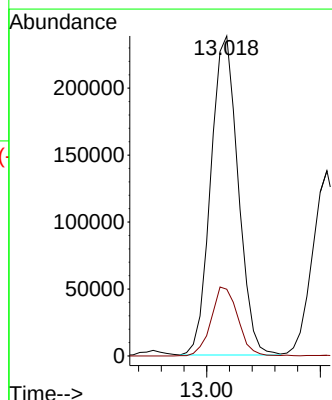
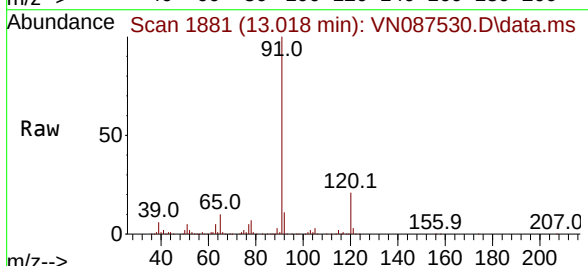
Acq: 13 Aug 2025 13:23

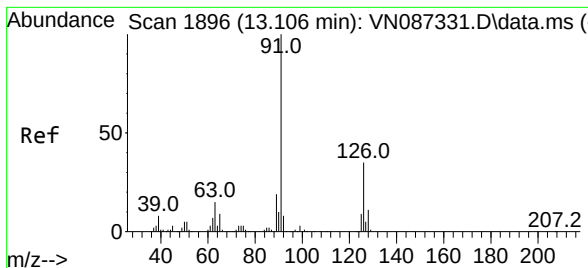
Tgt Ion: 91 Resp: 397991

Ion Ratio Lower Upper

91 100

120 21.3 11.3 33.8

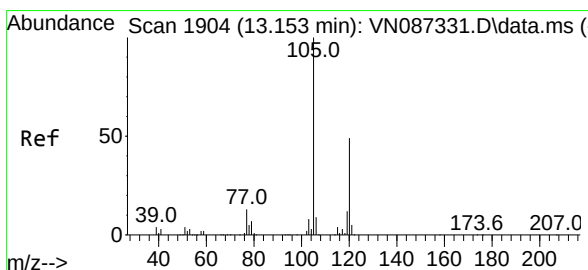
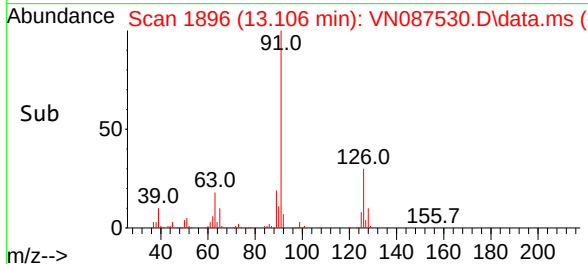
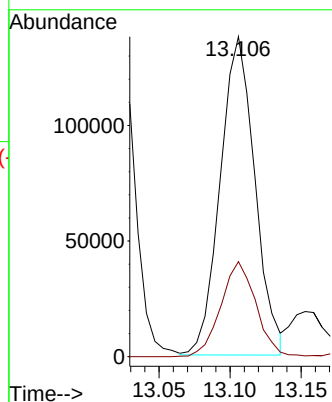
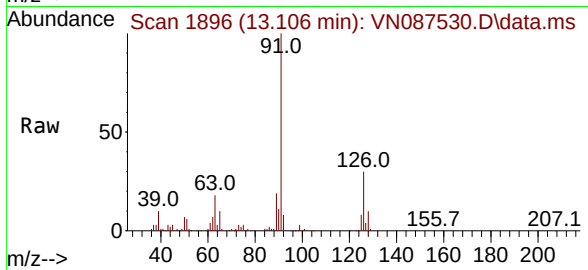




#79  
2-Chlorotoluene  
Concen: 20.578 ug/l  
RT: 13.106 min Scan# 1896  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

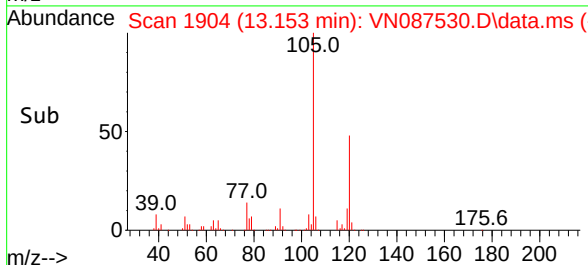
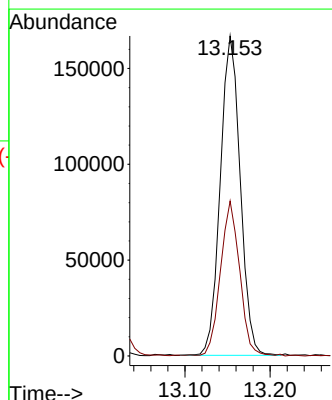
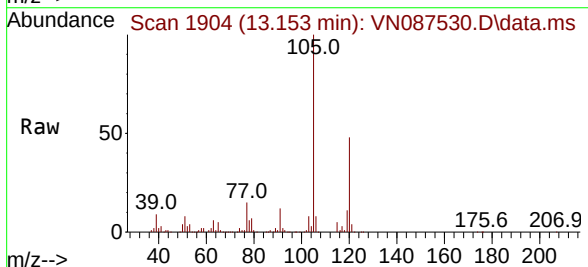
Instrument :  
MSVOA\_N  
ClientSampleId :

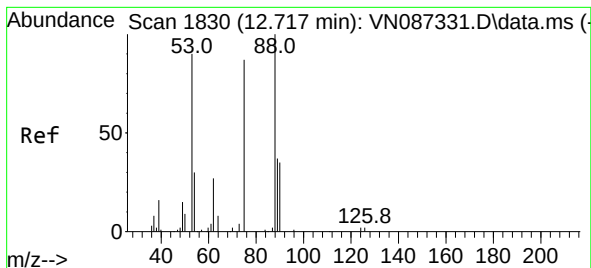
Tgt Ion: 91 Resp: 233909  
Ion Ratio Lower Upper  
91 100  
126 30.2 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 21.683 ug/l  
RT: 13.153 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 105 Resp: 271593  
Ion Ratio Lower Upper  
105 100  
120 46.1 24.3 72.8

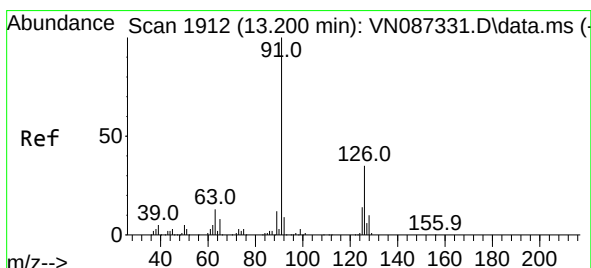
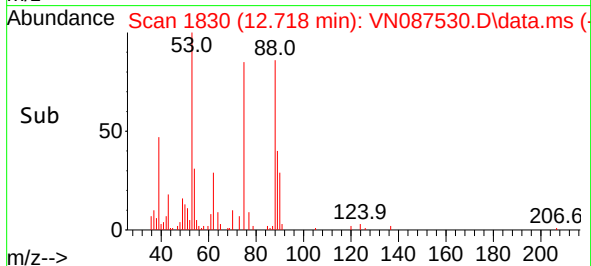
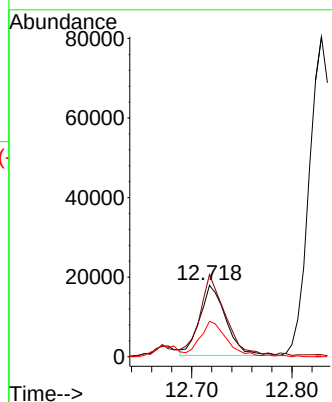
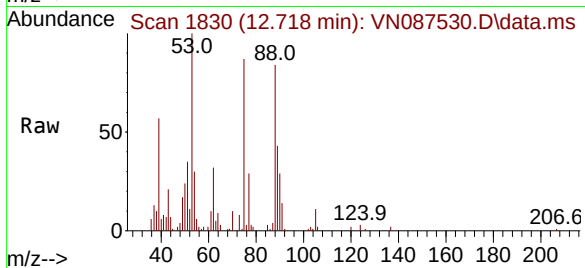




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 16.778 ug/l  
 RT: 12.718 min Scan# 1830  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

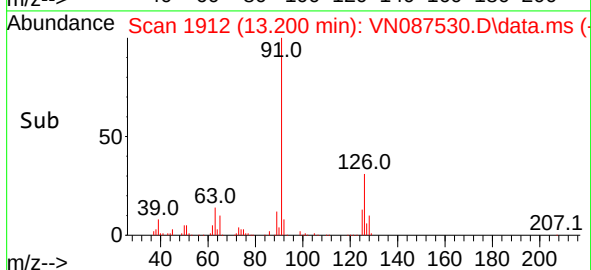
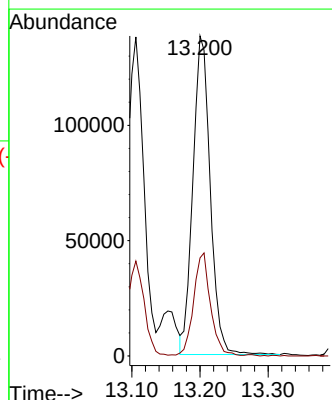
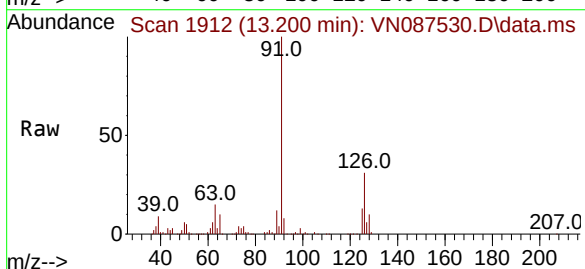
Instrument :  
 MSVOA\_N  
 ClientSampleId :

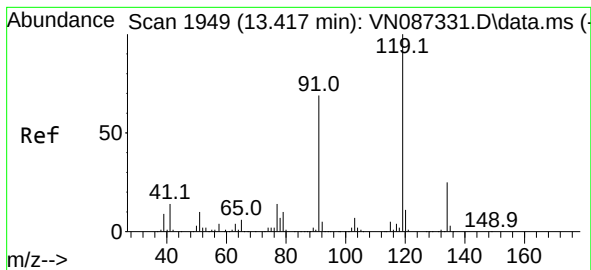
Tgt Ion: 75 Resp: 32118  
 Ion Ratio Lower Upper  
 75 100  
 53 112.7 83.5 125.3  
 89 52.1 38.4 57.6



#82  
 4-Chlorotoluene  
 Concen: 20.570 ug/l  
 RT: 13.200 min Scan# 1912  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion: 91 Resp: 243438  
 Ion Ratio Lower Upper  
 91 100  
 126 31.2 16.6 49.7





#83

tert-Butylbenzene

Concen: 21.772 ug/l

RT: 13.418 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

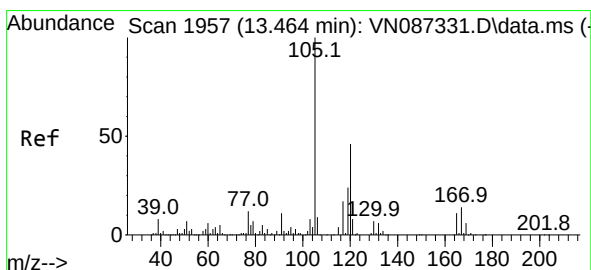
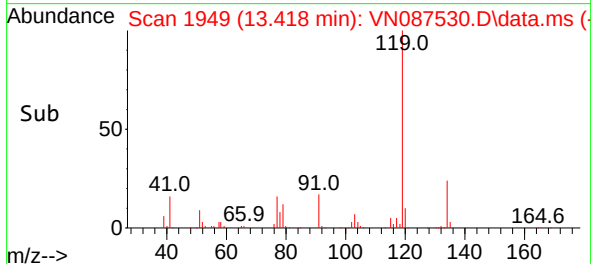
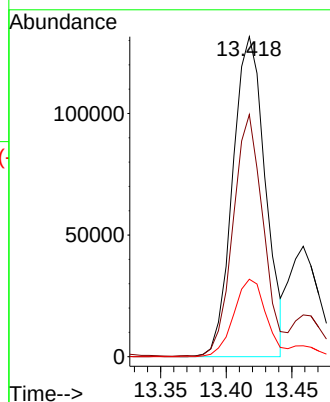
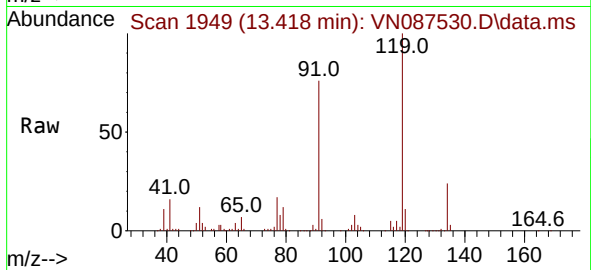
Tgt Ion:119 Resp: 227761

Ion Ratio Lower Upper

119 100

91 70.9 35.0 105.1

134 24.1 12.6 37.6



#84

1,2,4-Trimethylbenzene

Concen: 21.494 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VN087530.D

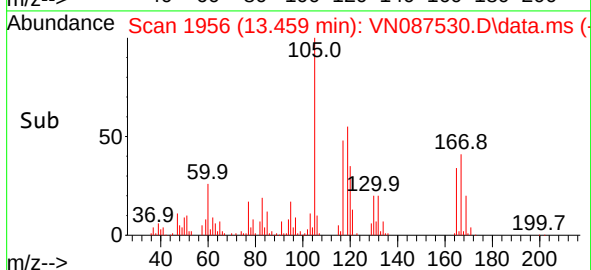
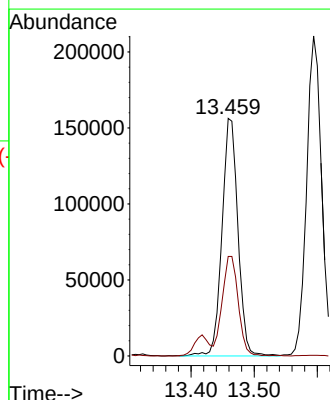
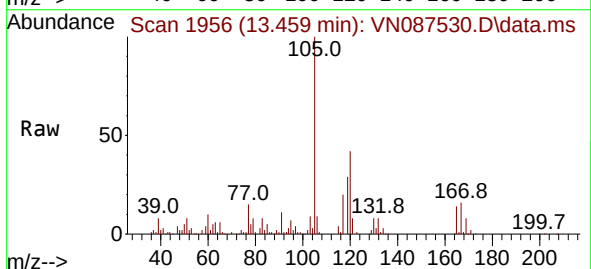
Acq: 13 Aug 2025 13:23

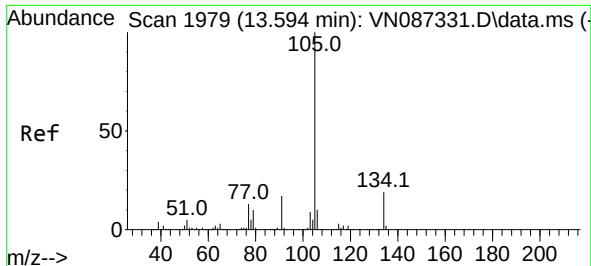
Tgt Ion:105 Resp: 274928

Ion Ratio Lower Upper

105 100

120 42.0 22.8 68.3

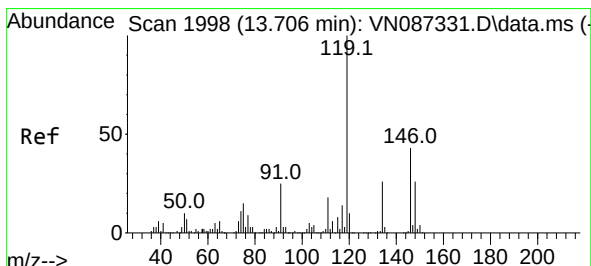
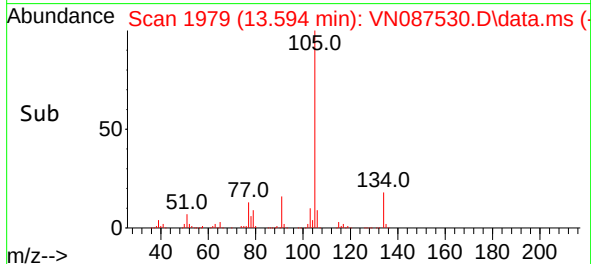
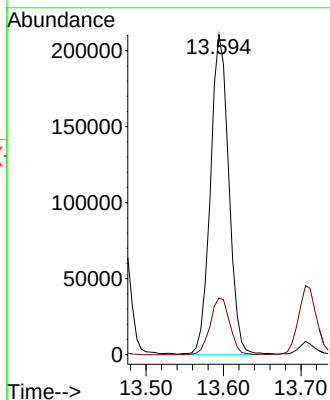
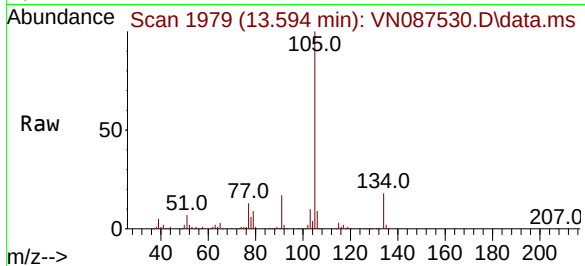




#85  
 sec-Butylbenzene  
 Concen: 22.011 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

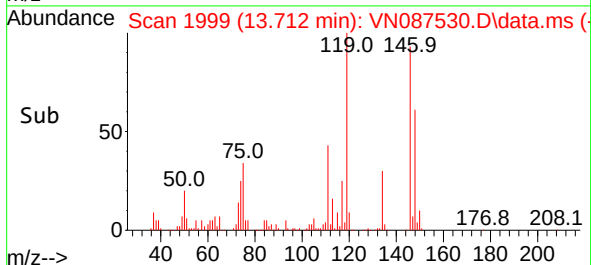
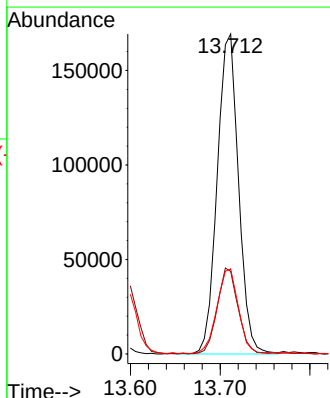
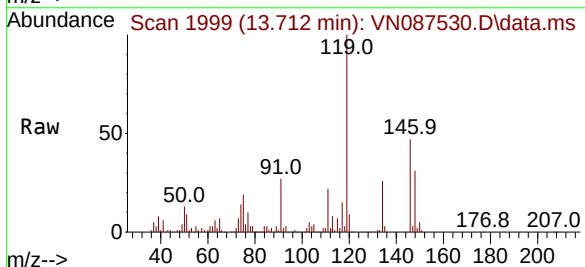
Instrument :  
 MSVOA\_N  
 ClientSampleId :

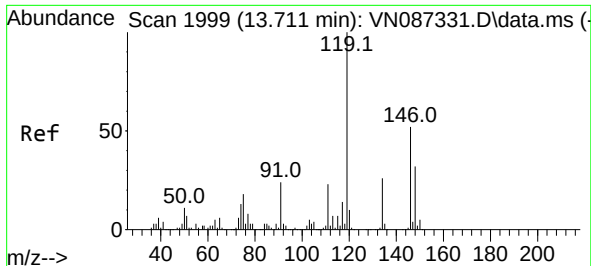
Tgt Ion:105 Resp: 346841  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 22.115 ug/l  
 RT: 13.712 min Scan# 1999  
 Delta R.T. 0.006 min  
 Lab File: VN087530.D  
 Acq: 13 Aug 2025 13:23

Tgt Ion:119 Resp: 279271  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.5 40.5  
 91 26.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.855 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

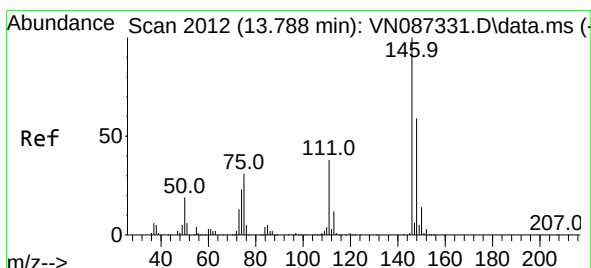
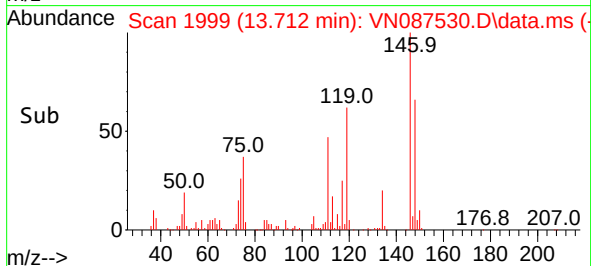
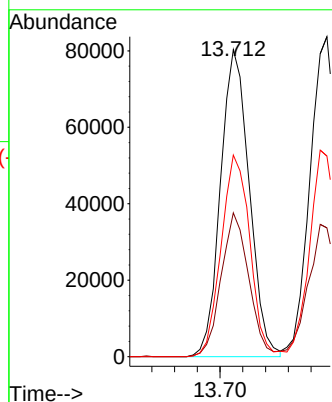
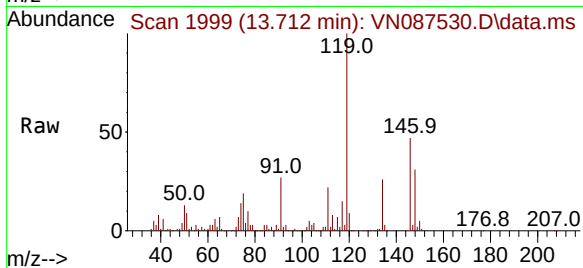
Tgt Ion:146 Resp: 141081

Ion Ratio Lower Upper

146 100

111 44.9 21.4 64.3

148 65.8 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 18.707 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

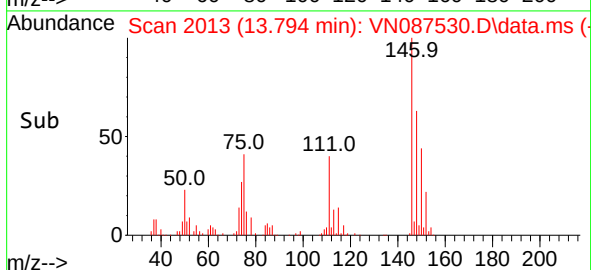
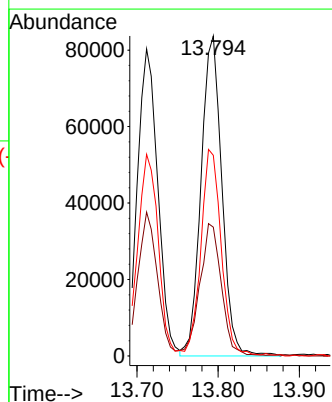
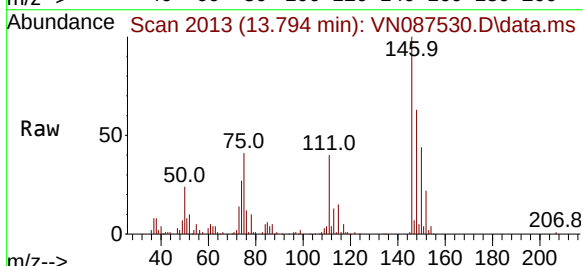
Tgt Ion:146 Resp: 149500

Ion Ratio Lower Upper

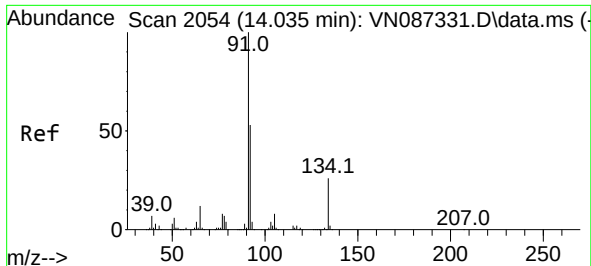
146 100

111 42.4 19.6 58.7

148 61.9 31.4 94.0



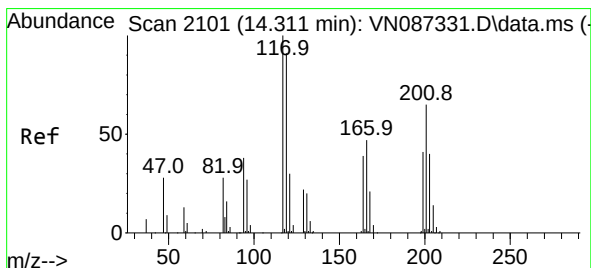
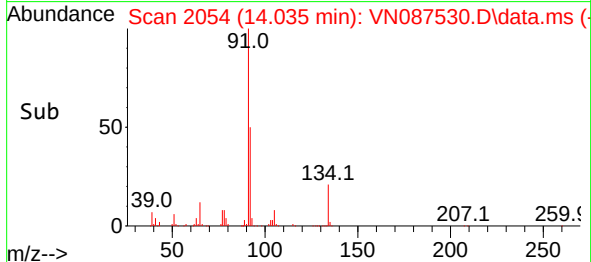
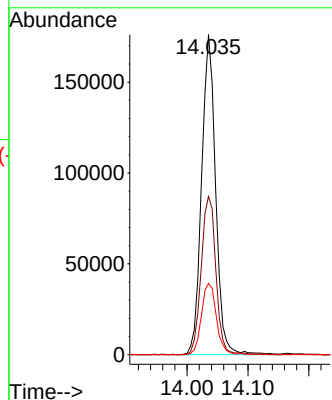
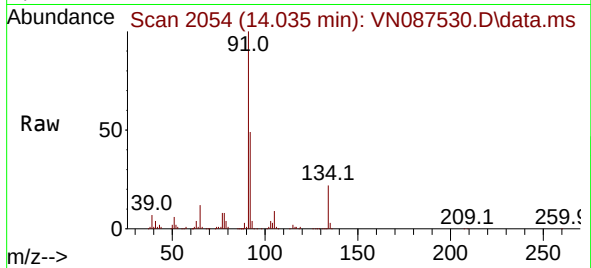




#89  
n-Butylbenzene  
Concen: 23.470 ug/l  
RT: 14.035 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

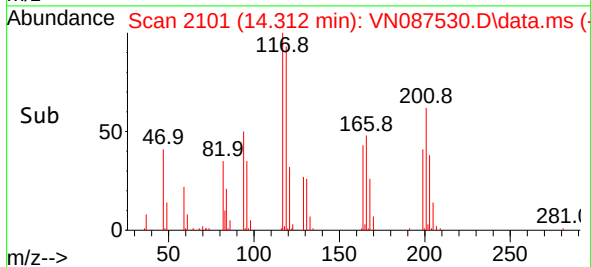
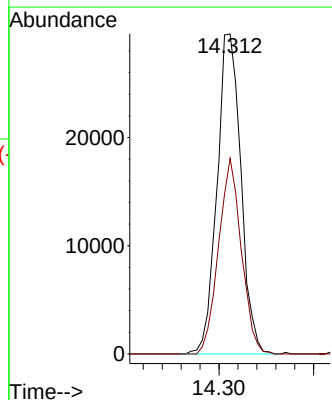
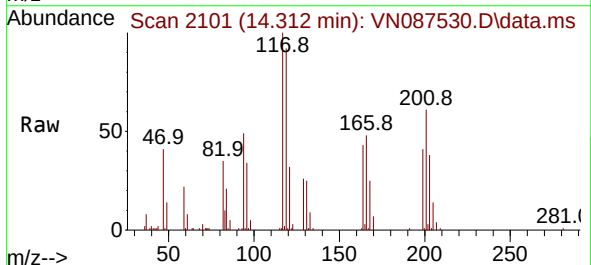
Instrument :  
MSVOA\_N  
ClientSampleId :

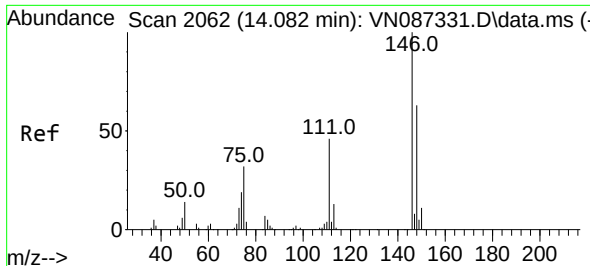
Tgt Ion: 91 Resp: 283005  
Ion Ratio Lower Upper  
91 100  
92 51.7 26.2 78.6  
134 23.8 12.4 37.2



#90  
Hexachloroethane  
Concen: 19.357 ug/l  
RT: 14.312 min Scan# 2101  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 117 Resp: 51791  
Ion Ratio Lower Upper  
117 100  
201 58.2 32.8 98.4

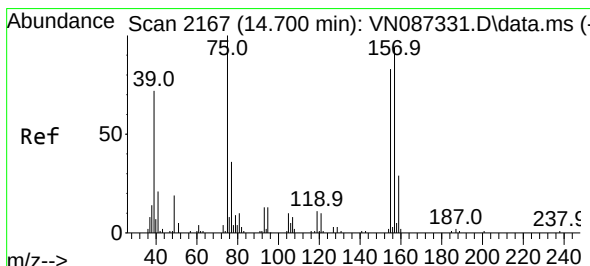
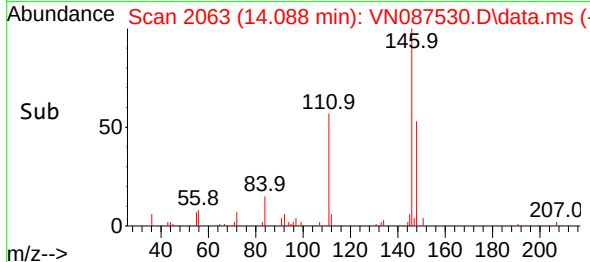
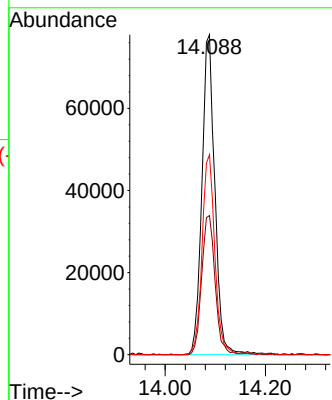
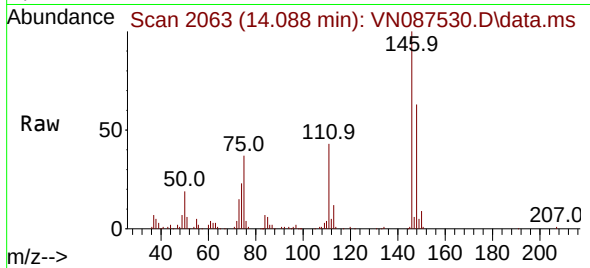




#91  
1,2-Dichlorobenzene  
Concen: 19.728 ug/l  
RT: 14.088 min Scan# 2062  
Delta R.T. 0.006 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

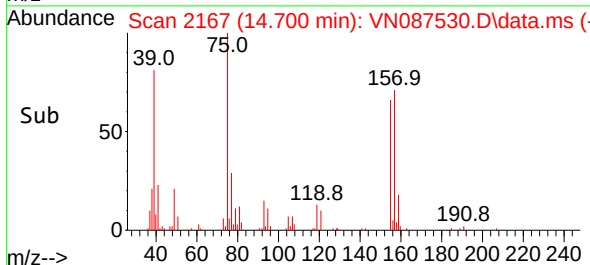
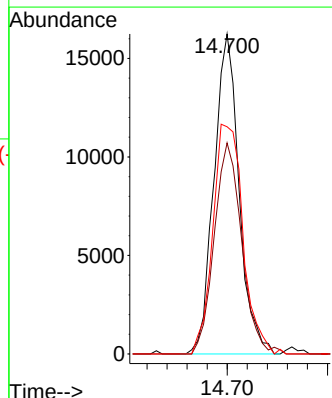
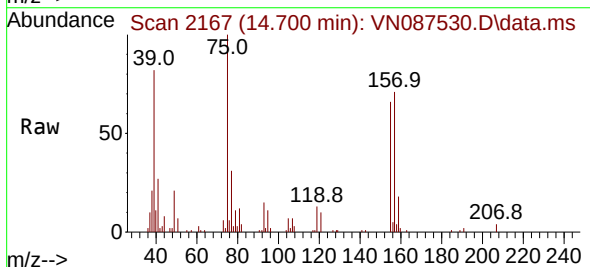
Instrument :  
MSVOA\_N  
ClientSampleId :

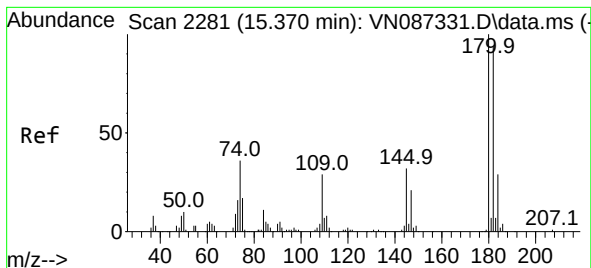
Tgt Ion:146 Resp: 139847  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.0 66.0  
148 61.5 32.7 98.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.404 ug/l  
RT: 14.700 min Scan# 2167  
Delta R.T. 0.000 min  
Lab File: VN087530.D  
Acq: 13 Aug 2025 13:23

Tgt Ion: 75 Resp: 28181  
Ion Ratio Lower Upper  
75 100  
155 72.2 37.3 111.8  
157 86.0 46.2 138.6





#93

1,2,4-Trichlorobenzene

Concen: 20.929 ug/l

RT: 15.370 min Scan# 2281

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

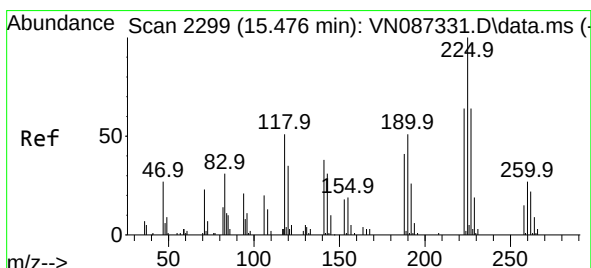
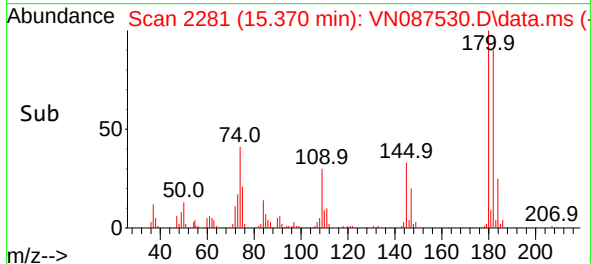
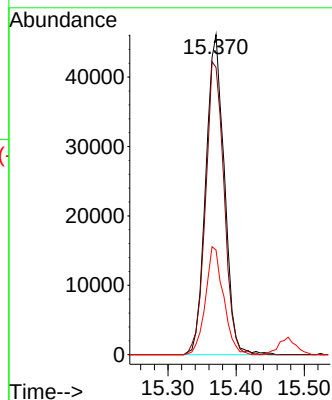
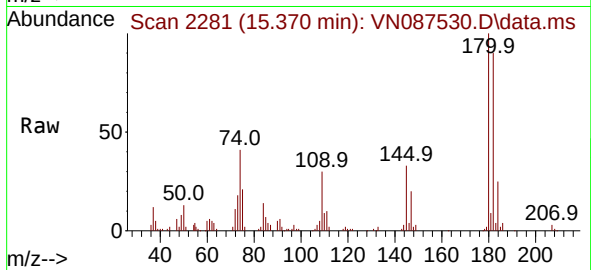
Tgt Ion:180 Resp: 87149

Ion Ratio Lower Upper

180 100

182 91.7 47.3 141.8

145 32.9 15.4 46.4



#94

Hexachlorobutadiene

Concen: 21.896 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

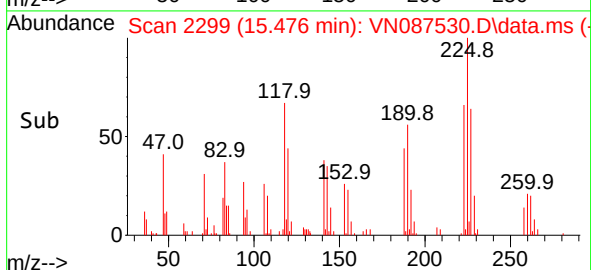
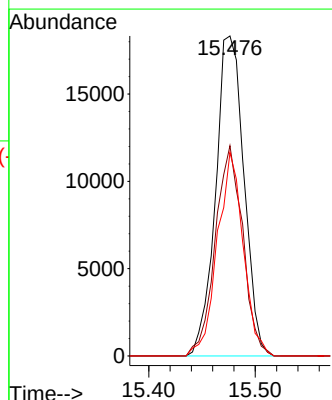
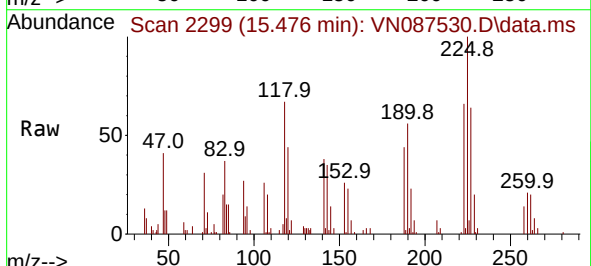
Tgt Ion:225 Resp: 33877

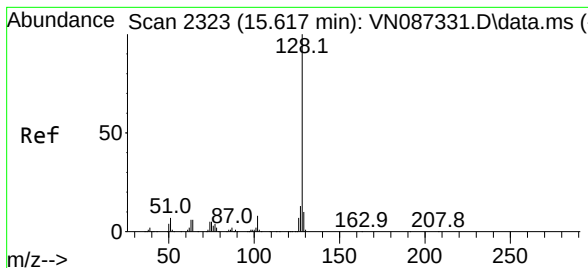
Ion Ratio Lower Upper

225 100

223 63.6 32.1 96.3

227 58.1 31.3 93.9





#95

Naphthalene

Concen: 20.814 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Instrument :

MSVOA\_N

ClientSampleId :

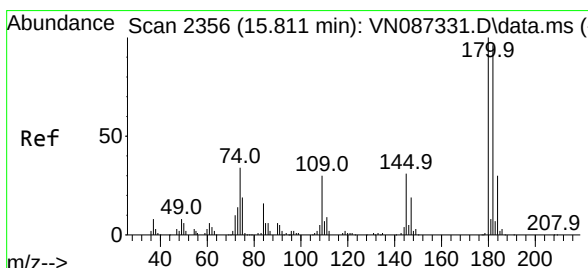
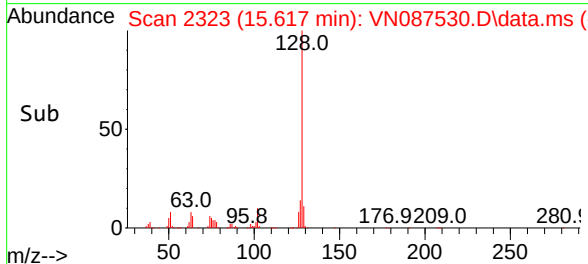
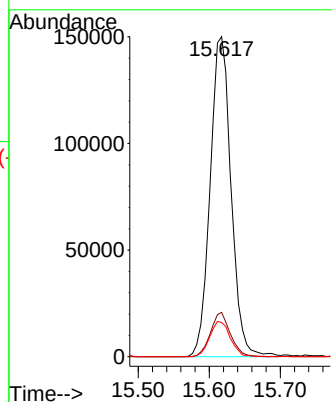
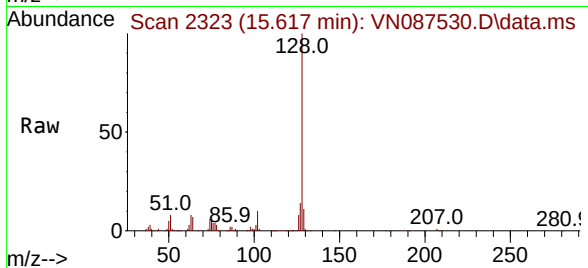
Tgt Ion:128 Resp: 307032

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 19.541 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN087530.D

Acq: 13 Aug 2025 13:23

Tgt Ion:180 Resp: 81621

Ion Ratio Lower Upper

180 100

182 94.0 47.1 141.4

145 35.9 16.9 50.6

