

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN092325\  
 Data File : VN087931.D  
 Acq On : 23 Sep 2025 15:08  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 24 05:21:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 277018   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 496020   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 466772   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 243738   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 203626   | 43.678   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 87.360% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 156190   | 43.369   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 86.740% |
| 50) Toluene-d8              | 10.547 | 98    | 567044   | 44.774   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 89.540% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 200630   | 44.319   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 88.640% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 161997  | 50.496  | ug/l   | 96  |
| 3) Chloromethane             | 2.383 | 50  | 160833  | 48.962  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.536 | 62  | 165059  | 49.253  | ug/l   | 97  |
| 5) Bromomethane              | 2.971 | 94  | 113238  | 54.504  | ug/l   | 97  |
| 6) Chloroethane              | 3.136 | 64  | 108186  | 49.650  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 265455  | 48.650  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.959 | 74  | 101038  | 49.015  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 137085  | 47.535  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.577 | 142 | 150647  | 58.041  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.524 | 59  | 181682  | 270.566 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 147146  | 50.568  | ug/l   | 99  |
| 13) Acrolein                 | 4.177 | 56  | 213590  | 247.902 | ug/l   | 98  |
| 14) Allyl chloride           | 5.012 | 41  | 238489  | 50.343  | ug/l   | 96  |
| 15) Acrylonitrile            | 5.712 | 53  | 527698  | 250.533 | ug/l   | 99  |
| 16) Acetone                  | 4.418 | 43  | 476656  | 248.497 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.701 | 76  | 441131  | 48.521  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.018 | 43  | 252027  | 52.501  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 593372  | 52.201  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.271 | 84  | 185323  | 47.732  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.777 | 96  | 176202  | 49.395  | ug/l   | 88  |
| 22) Diisopropyl ether        | 6.659 | 45  | 572737  | 51.790  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.589 | 43  | 2648731 | 284.459 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.553 | 63  | 319051  | 49.382  | ug/l   | 98  |
| 25) 2-Butanone               | 7.471 | 43  | 765845  | 261.219 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 288518  | 50.261  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.471 | 96  | 212644  | 50.099  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.794 | 49  | 158210  | 45.070  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.824 | 42  | 481488  | 256.481 | ug/l   | 99  |
| 30) Chloroform               | 7.947 | 83  | 347740  | 49.224  | ug/l   | 94  |
| 31) Cyclohexane              | 8.236 | 56  | 249322  | 47.692  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 8.147 | 97  | 298473  | 50.001  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.353 | 75  | 223572  | 51.628  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.547 | 43  | 281650  | 49.529  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.341 | 117 | 254169  | 51.149  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.577 | 83  | 254097  | 53.190  | ug/l   | 98  |
| 40) Benzene                  | 8.589 | 78  | 733552  | 51.160  | ug/l   | 99  |

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 Sample : VSTDICV050  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 24 05:21:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 24 05:05:30 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 151881   | 51.681   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 266146   | 49.739   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.671  | 43   | 465007   | 51.950   | ug/l   | 99       |
| 44) Trichloroethene           | 9.330  | 130  | 174047   | 50.817   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 181803   | 50.566   | ug/l   | 98       |
| 46) Dibromomethane            | 9.688  | 93   | 144476   | 50.925   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.871  | 83   | 282997   | 50.858   | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.659  | 41   | 220518   | 53.199   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.683  | 88   | 71480    | 1167.270 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 1464843  | 262.261  | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 456380   | 50.722   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 297827   | 52.296   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 303245   | 51.268   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 184666   | 50.476   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 287401   | 54.367   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 314225   | 52.219   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 735137   | 295.766  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.177 | 43   | 1027998  | 278.348  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.335 | 129  | 224473   | 52.185   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 199841   | 51.598   | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.082 | 164  | 145781   | 51.272   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.871 | 112  | 518200   | 52.168   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 188263   | 52.557   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.941 | 91   | 881499   | 53.183   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.047 | 106  | 687129   | 108.396  | ug/l   | 100      |
| 69) o-Xylene                  | 12.377 | 106  | 330957   | 54.342   | ug/l   | 100      |
| 70) Styrene                   | 12.388 | 104  | 579999   | 55.451   | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 155551   | 53.524   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.671 | 105  | 848011   | 56.136   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 190446   | 38.262   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 277645   | 51.011   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 379532   | 78.993   | ug/l   | 60       |
| 77) Bromobenzene              | 12.959 | 156  | 215215   | 53.546   | ug/l   | 99       |
| 78) n-propylbenzene           | 13.012 | 91   | 1041885  | 55.165   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 622023   | 54.089   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 739196   | 56.572   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 97122    | 56.132   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 643471   | 55.531   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 620261   | 56.083   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 750139   | 55.971   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 900122   | 55.512   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 774380   | 56.387   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 414732   | 52.877   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 430578   | 53.418   | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.035 | 91   | 718201   | 55.337   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 148145   | 51.641   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 408389   | 54.018   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 64838    | 51.268   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 243365   | 54.519   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 87738    | 53.402   | ug/l   | 100      |
| 95) Naphthalene               | 15.612 | 128  | 802609   | 56.013   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 236254   | 54.441   | ug/l   | 99       |

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N092325W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 24 05:05:30 2025  
Response via : Initial Calibration

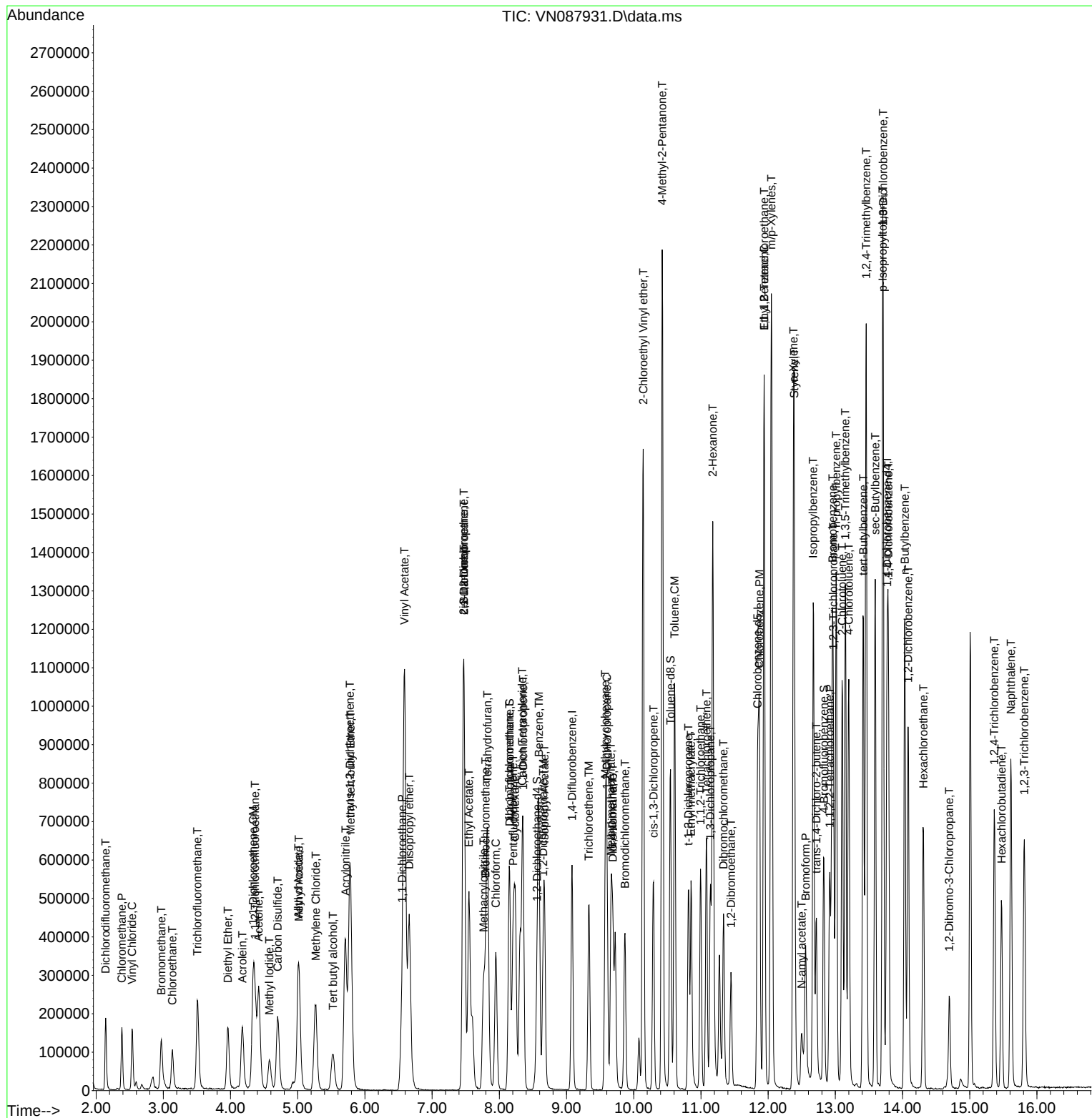
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

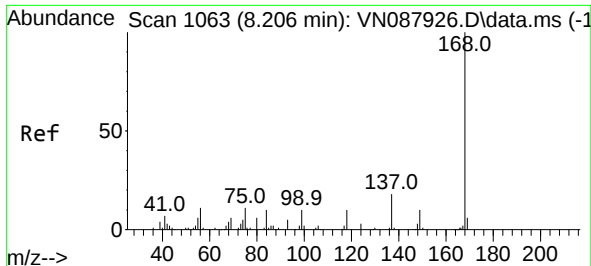
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Sample : VSTDICV050  
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ALS Vial : 13 Sample Multiplier: 1

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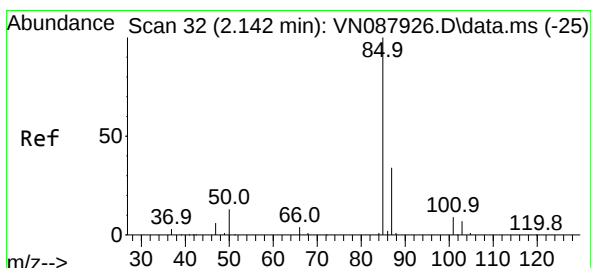
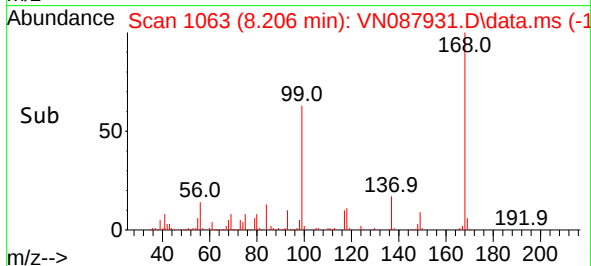
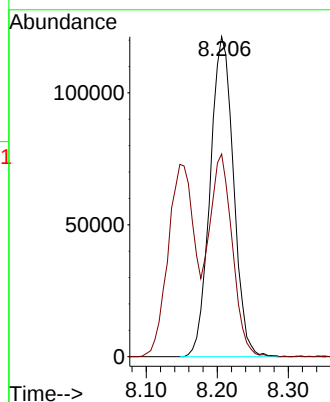
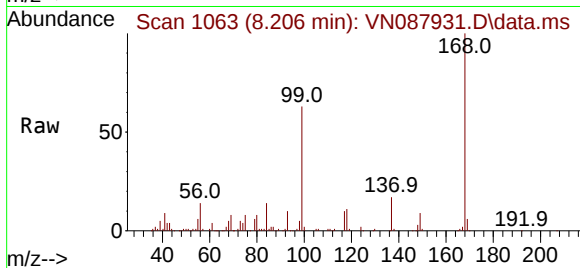




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

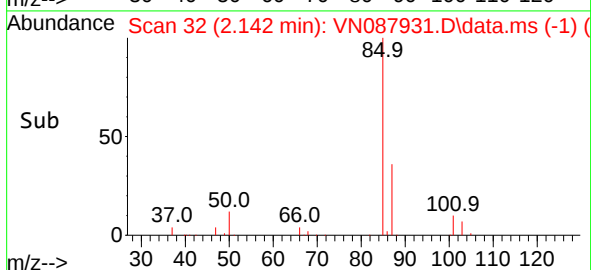
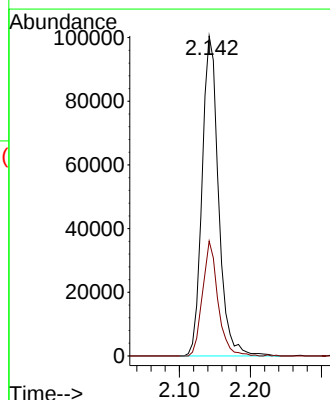
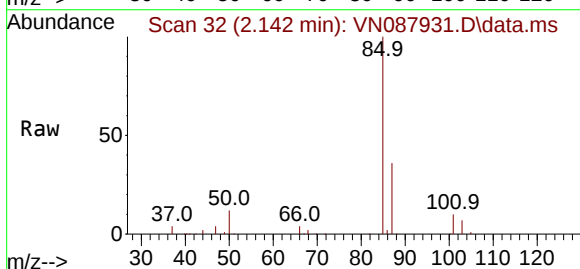
Instrument :  
MSVOA\_N  
ClientSampleId :

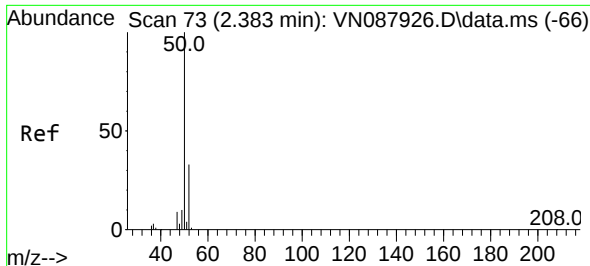
Tgt Ion:168 Resp: 277018  
Ion Ratio Lower Upper  
168 100  
99 63.3 52.2 78.2



#2  
Dichlorodifluoromethane  
Concen: 50.496 ug/l  
RT: 2.142 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 85 Resp: 161997  
Ion Ratio Lower Upper  
85 100  
87 35.9 16.9 50.6

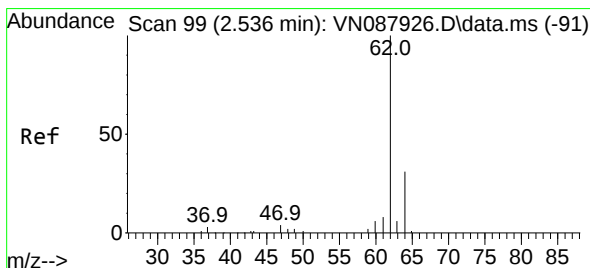
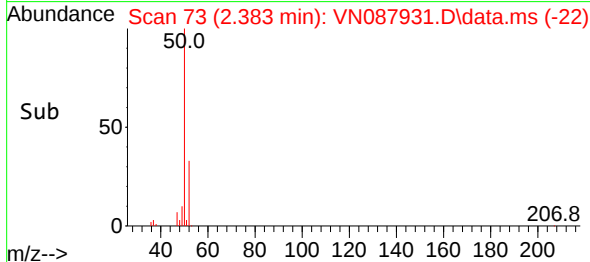
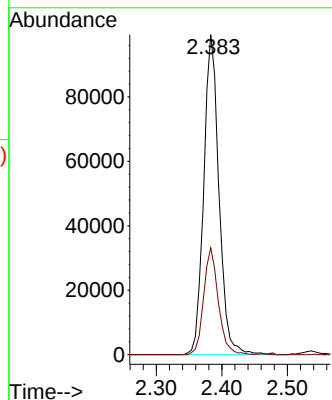
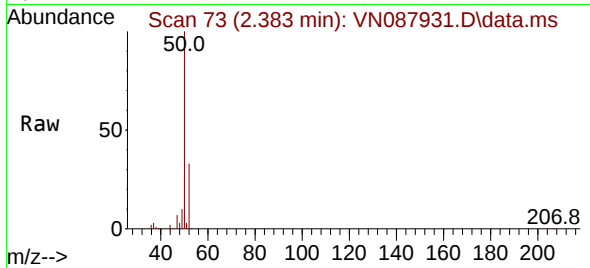




#3  
Chloromethane  
Concen: 48.962 ug/l  
RT: 2.383 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

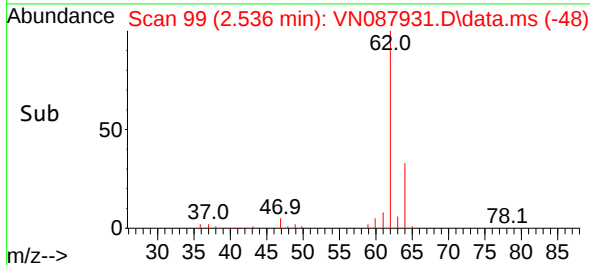
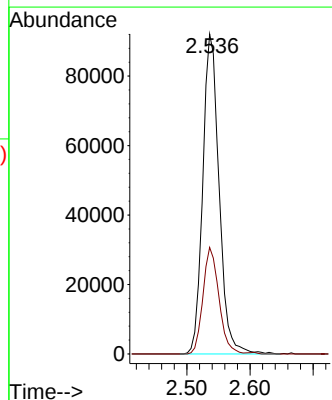
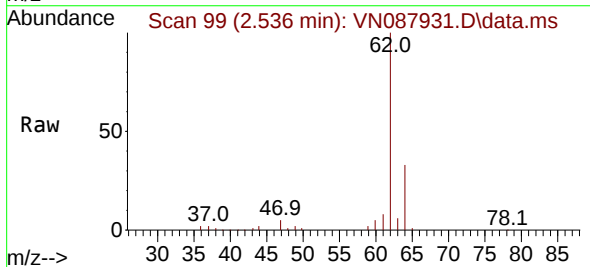
Instrument :  
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ClientSampleId :

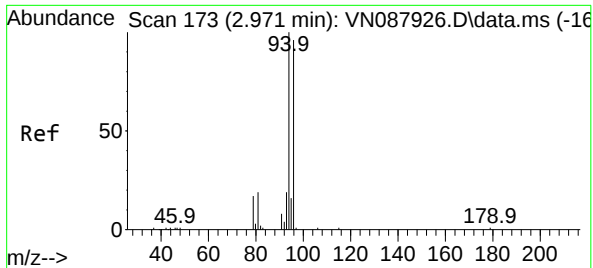
Tgt Ion: 50 Resp: 160833  
Ion Ratio Lower Upper  
50 100  
52 33.4 26.6 40.0



#4  
Vinyl Chloride  
Concen: 49.253 ug/l  
RT: 2.536 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 62 Resp: 165059  
Ion Ratio Lower Upper  
62 100  
64 33.3 25.2 37.8

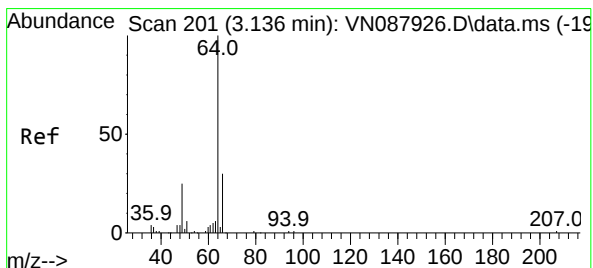
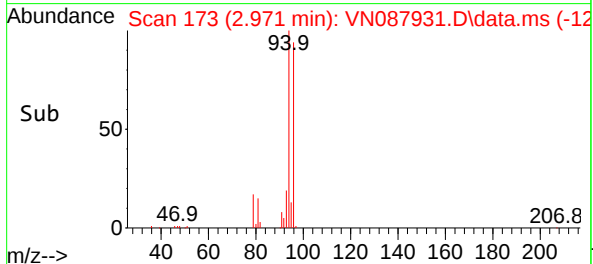
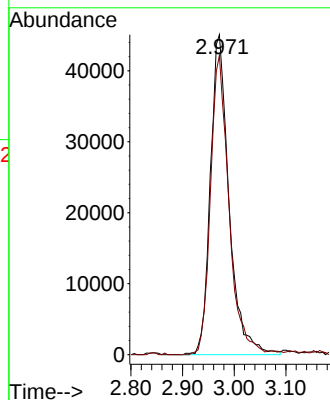
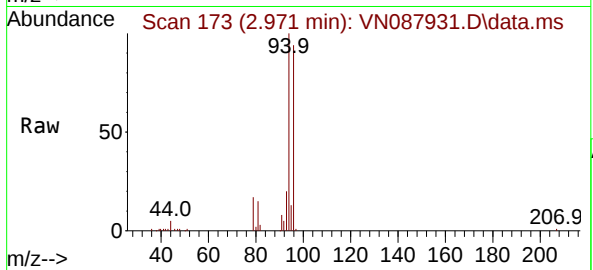




#5  
Bromomethane  
Concen: 54.504 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

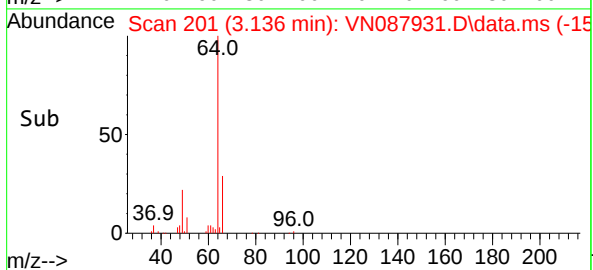
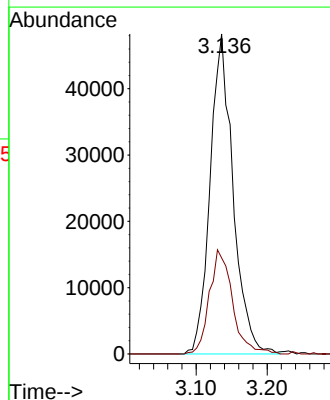
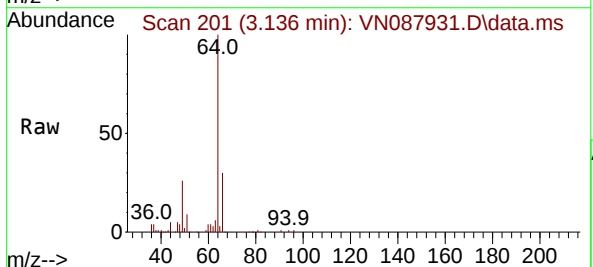
Instrument :  
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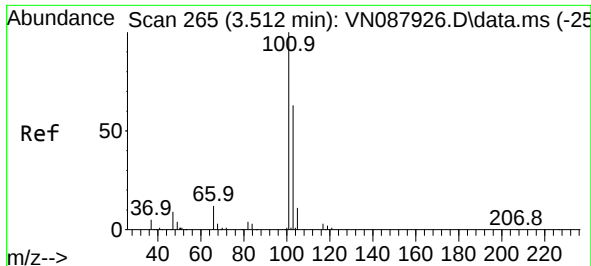
Tgt Ion: 94 Resp: 113238  
Ion Ratio Lower Upper  
94 100  
96 93.5 76.8 115.2



#6  
Chloroethane  
Concen: 49.650 ug/l  
RT: 3.136 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 64 Resp: 108186  
Ion Ratio Lower Upper  
64 100  
66 30.0 23.8 35.8

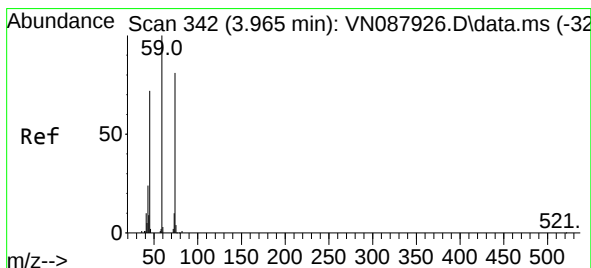
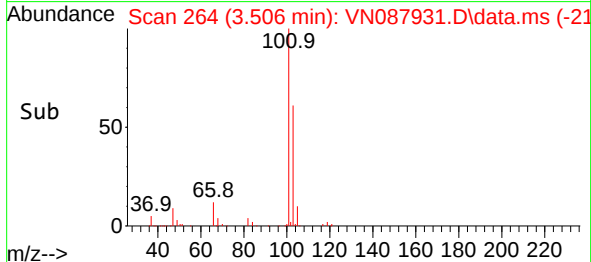
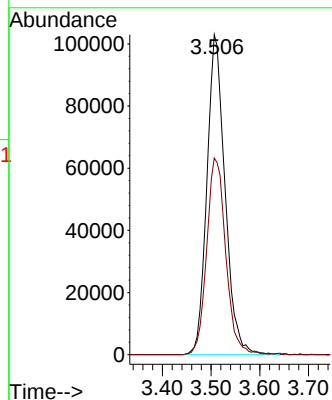
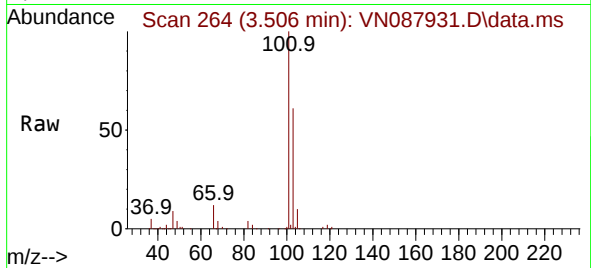




#7  
Trichlorofluoromethane  
Concen: 48.650 ug/l  
RT: 3.506 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

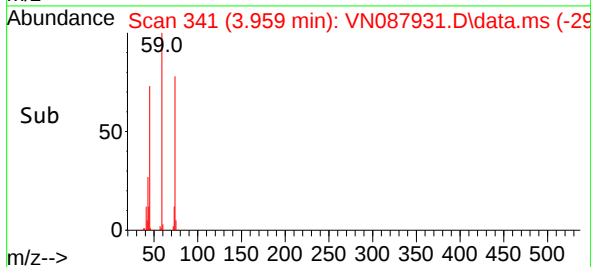
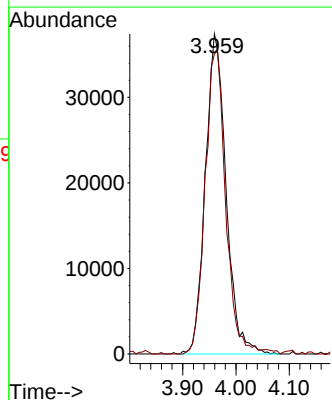
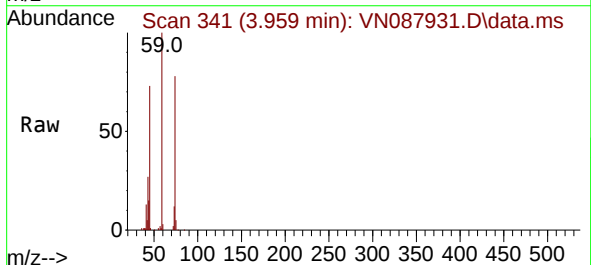
Instrument :  
MSVOA\_N  
ClientSampleId :

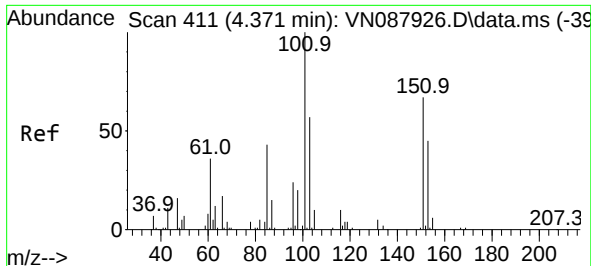
Tgt Ion:101 Resp: 265455  
Ion Ratio Lower Upper  
101 100  
103 61.4 50.2 75.4



#8  
Diethyl Ether  
Concen: 49.015 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 74 Resp: 101038  
Ion Ratio Lower Upper  
74 100  
45 93.9 45.4 136.1

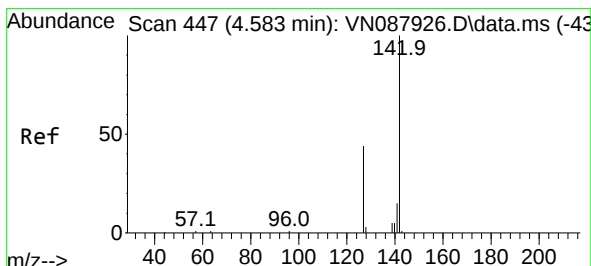
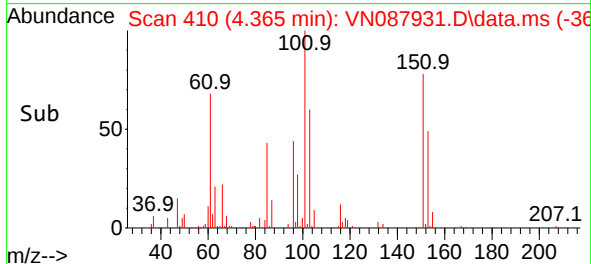
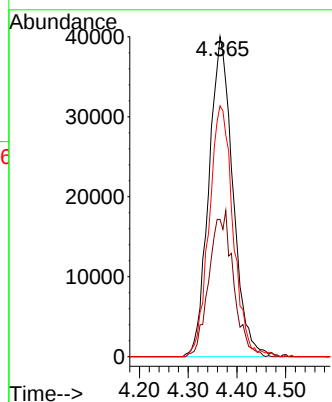
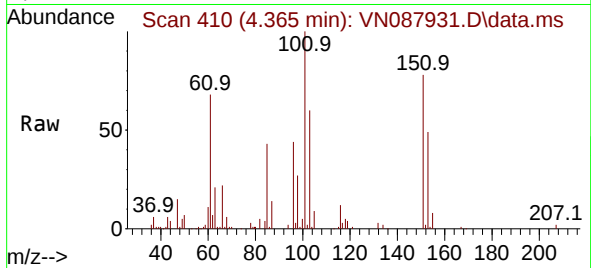




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.535 ug/l  
RT: 4.365 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

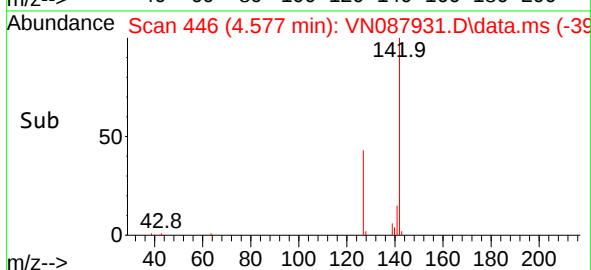
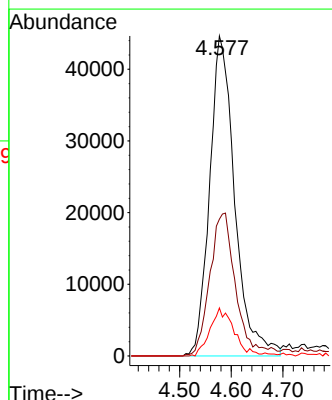
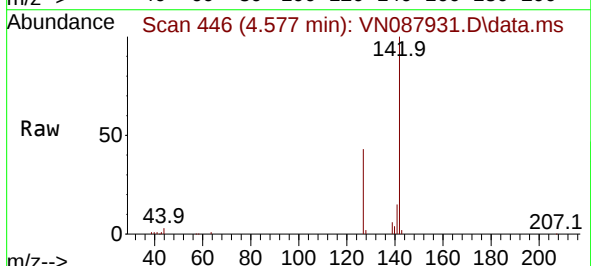
Instrument :  
MSVOA\_N  
ClientSampleId :

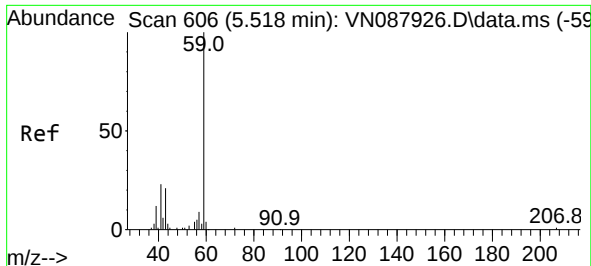
Tgt Ion:101 Resp: 137085  
Ion Ratio Lower Upper  
101 100  
85 46.0 36.5 54.7  
151 78.6 58.6 87.8



#10  
Methyl Iodide  
Concen: 58.041 ug/l  
RT: 4.577 min Scan# 446  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion:142 Resp: 150647  
Ion Ratio Lower Upper  
142 100  
127 42.8 35.3 52.9  
141 15.0 11.8 17.8

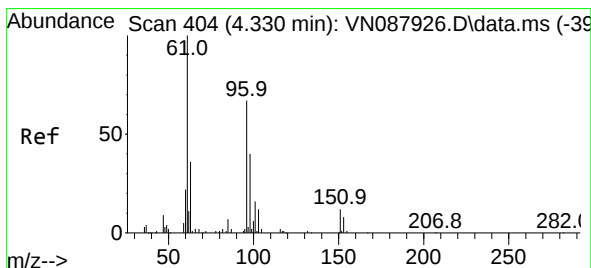
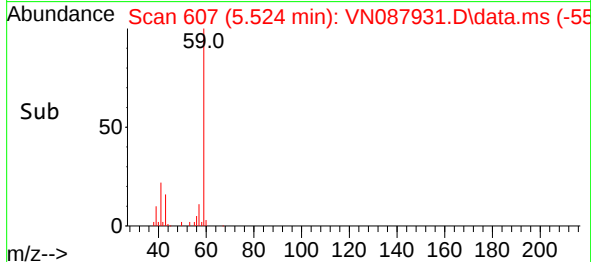
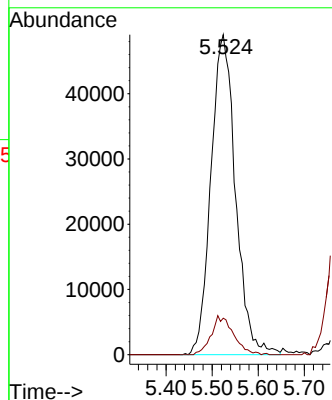
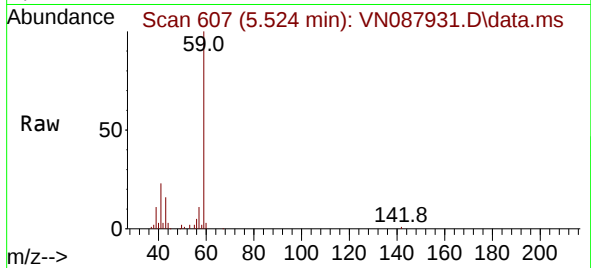




#11  
Tert butyl alcohol  
Concen: 270.566 ug/l  
RT: 5.524 min Scan# 606  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

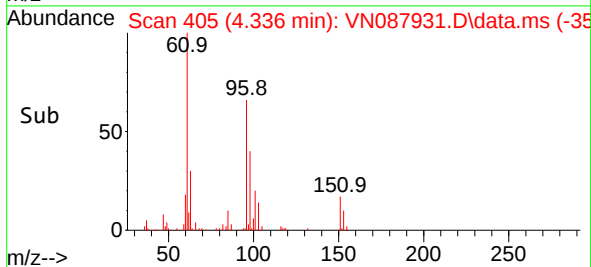
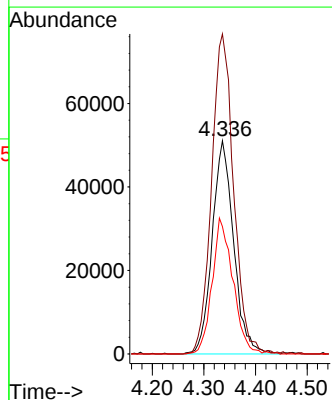
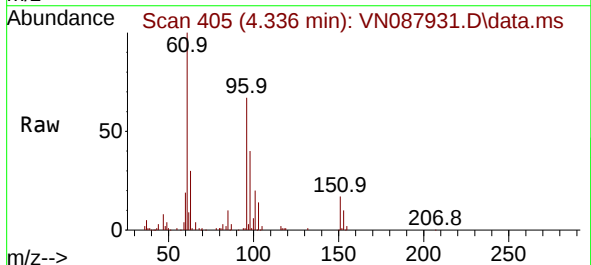
Instrument :  
MSVOA\_N  
ClientSampleId :

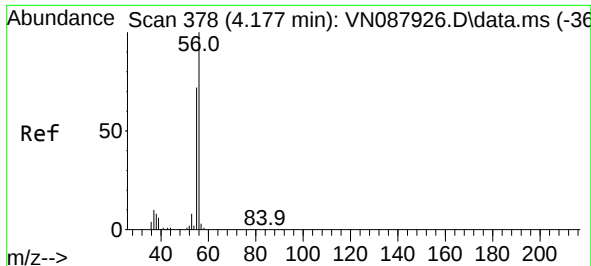
Tgt Ion: 59 Resp: 181682  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.8 13.2



#12  
1,1-Dichloroethene  
Concen: 50.568 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 96 Resp: 147146  
Ion Ratio Lower Upper  
96 100  
61 150.2 119.2 178.8  
98 59.8 47.5 71.3





#13

Acrolein

Concen: 247.902 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

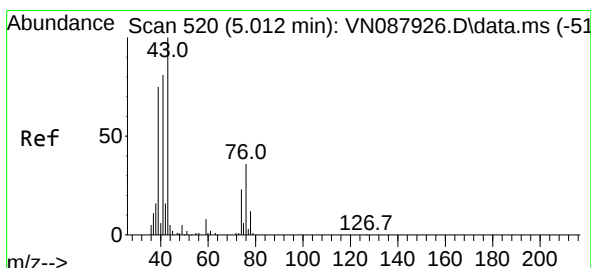
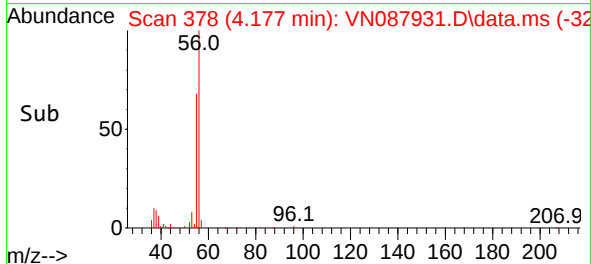
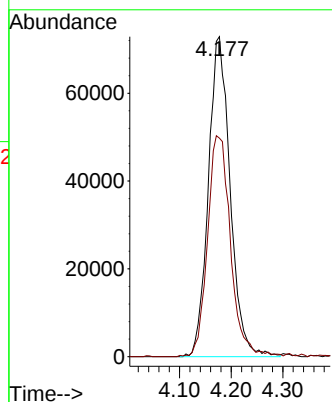
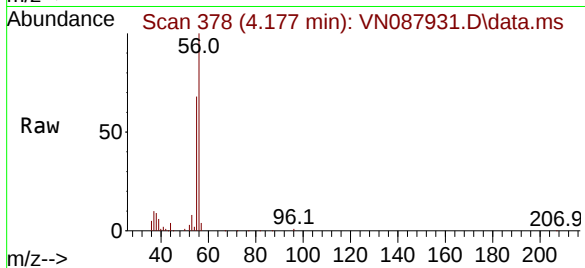
ClientSampleId :

Tgt Ion: 56 Resp: 213590

Ion Ratio Lower Upper

56 100

55 72.8 59.3 88.9



#14

Allyl chloride

Concen: 50.343 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

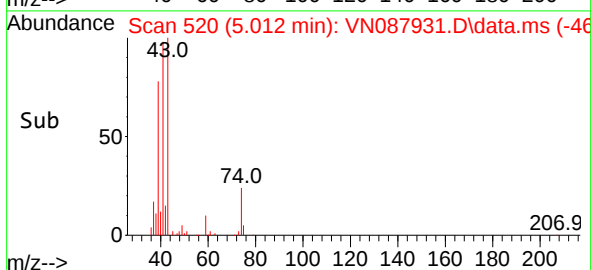
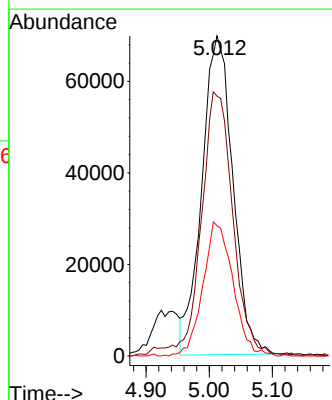
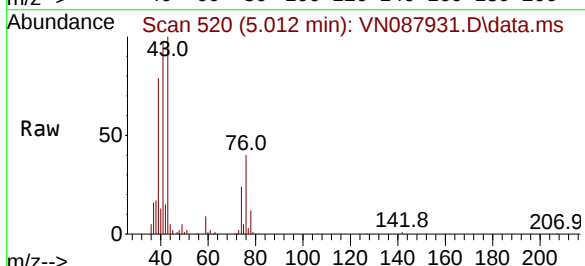
Tgt Ion: 41 Resp: 238489

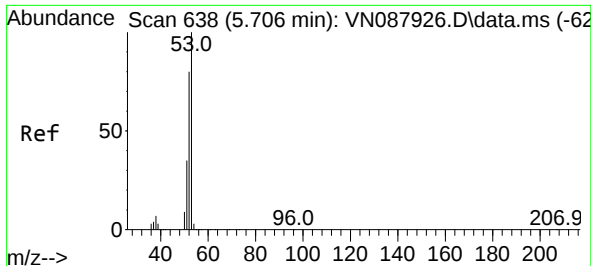
Ion Ratio Lower Upper

41 100

39 84.8 63.8 95.8

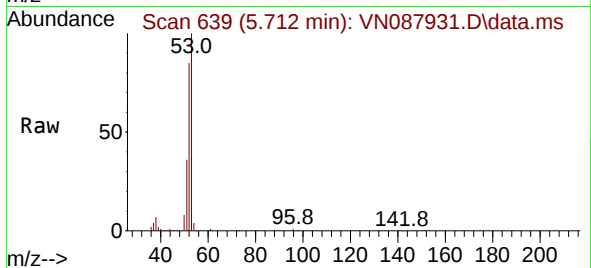
76 40.5 33.0 49.6



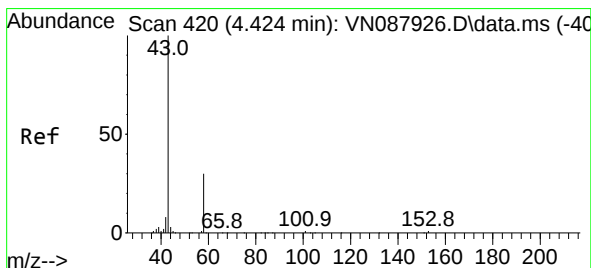
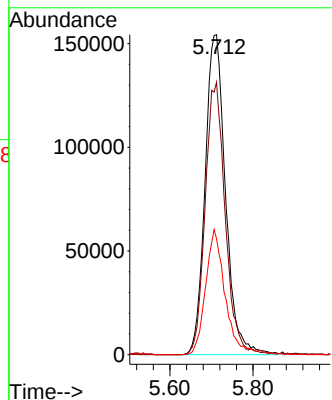
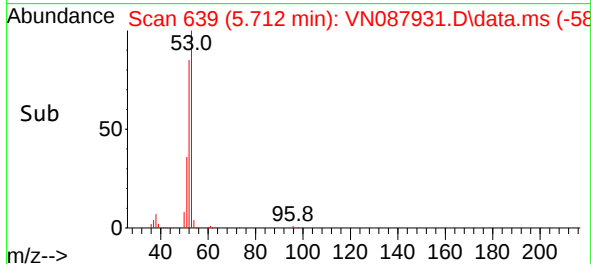


#15  
Acrylonitrile  
Concen: 250.533 ug/l  
RT: 5.712 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

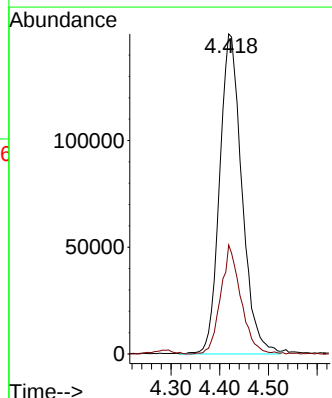
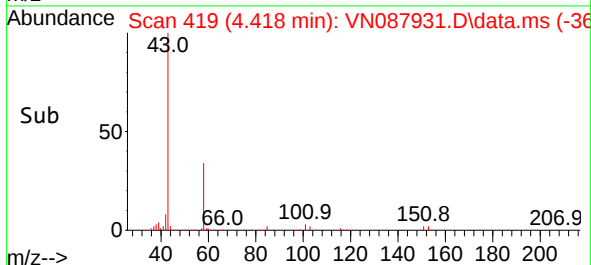
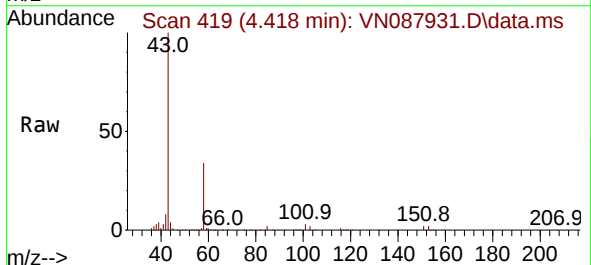


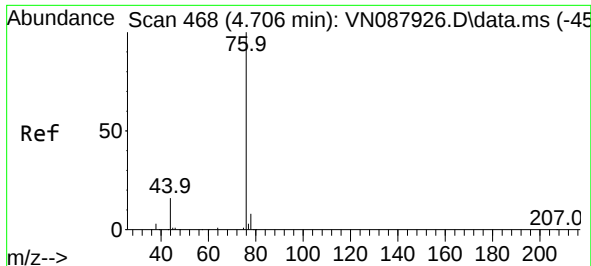
Tgt Ion: 53 Resp: 527698  
Ion Ratio Lower Upper  
53 100  
52 83.5 66.6 99.8  
51 37.5 29.0 43.4



#16  
Acetone  
Concen: 248.497 ug/l  
RT: 4.418 min Scan# 419  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 43 Resp: 476656  
Ion Ratio Lower Upper  
43 100  
58 33.8 24.1 36.1

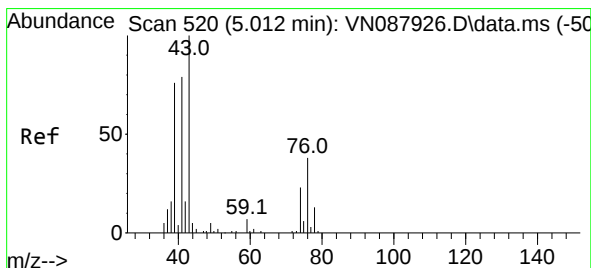
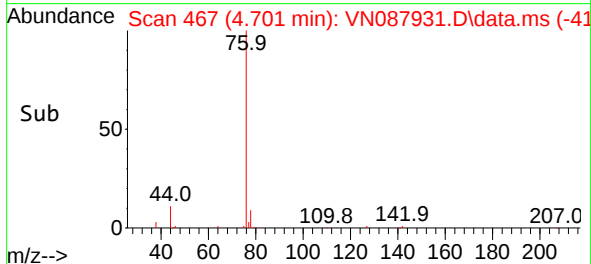
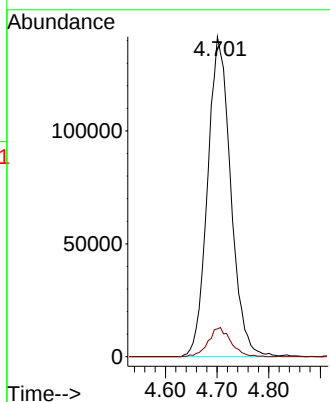
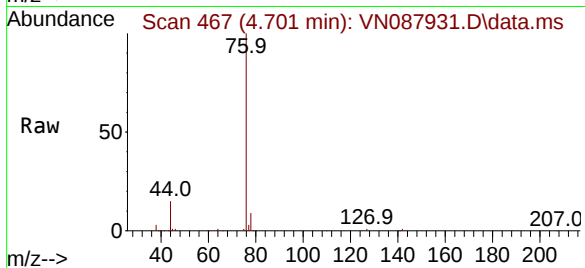




#17  
Carbon Disulfide  
Concen: 48.521 ug/l  
RT: 4.701 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

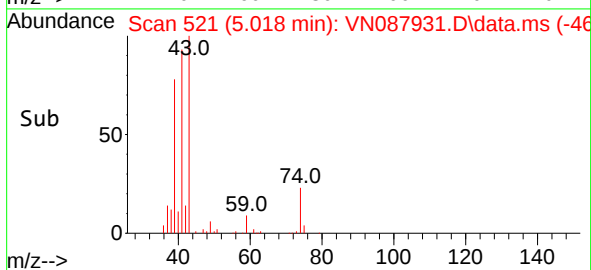
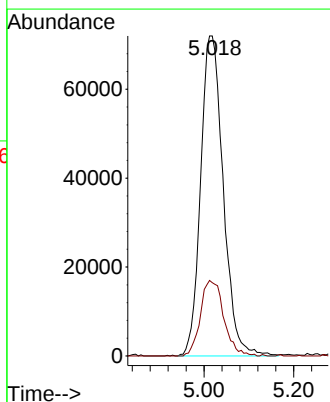
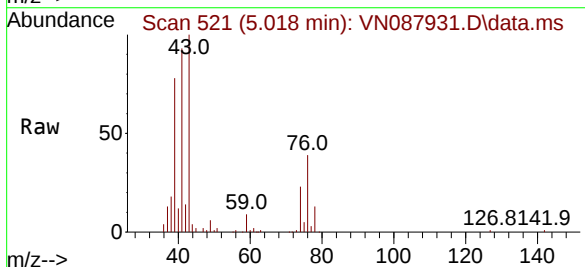
Instrument :  
MSVOA\_N  
ClientSampleId :

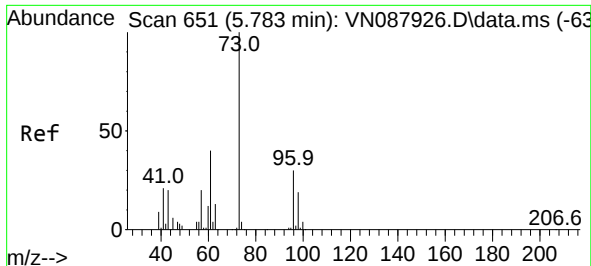
Tgt Ion: 76 Resp: 441131  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.7 10.1



#18  
Methyl Acetate  
Concen: 52.501 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 43 Resp: 252027  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.7 29.5

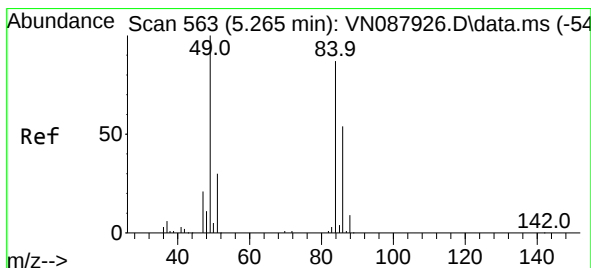
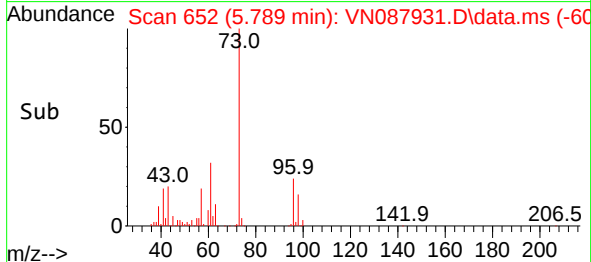
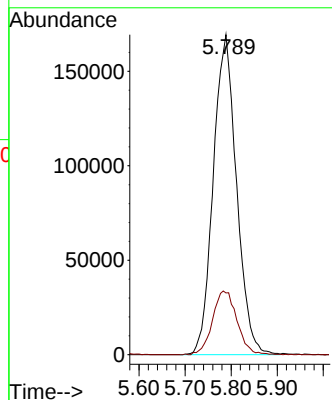
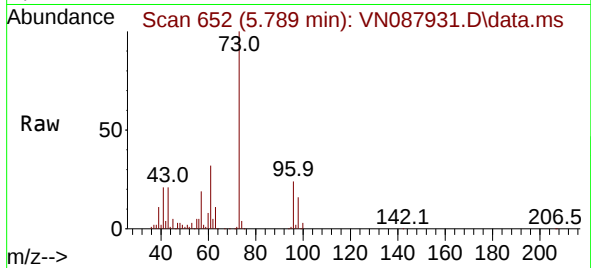




#19  
Methyl tert-butyl Ether  
Concen: 52.201 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

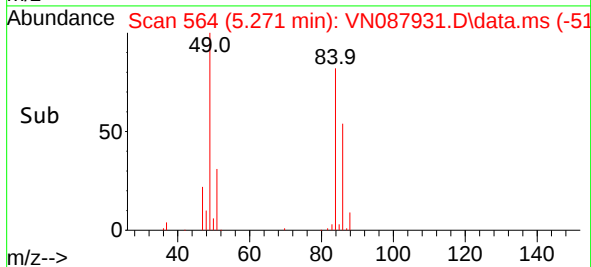
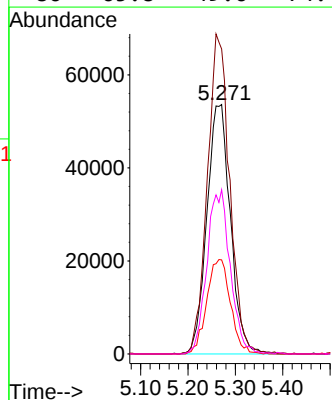
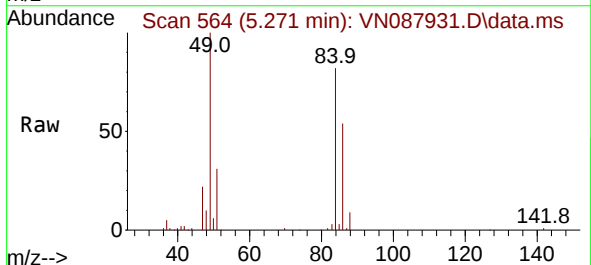
Instrument :  
MSVOA\_N  
ClientSampleId :

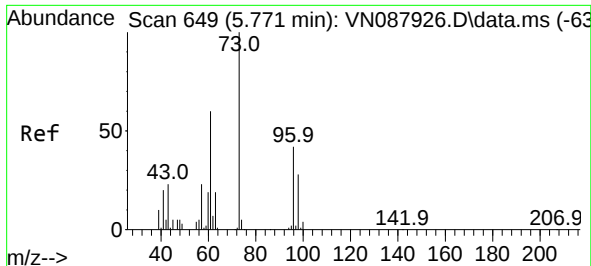
Tgt Ion: 73 Resp: 593372  
Ion Ratio Lower Upper  
73 100  
57 19.3 16.3 24.5



#20  
Methylene Chloride  
Concen: 47.732 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 84 Resp: 185323  
Ion Ratio Lower Upper  
84 100  
49 122.2 92.1 138.1  
51 37.7 27.7 41.5  
86 65.8 49.6 74.4

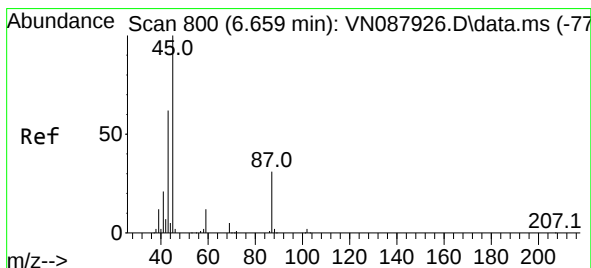
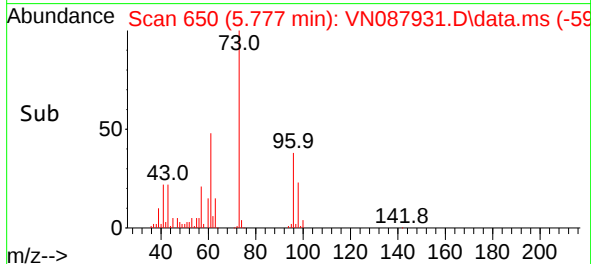
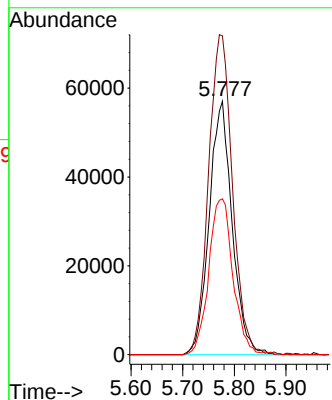
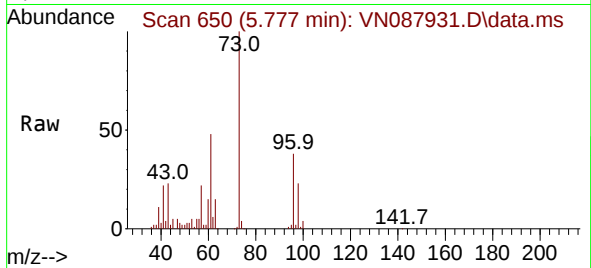




#21  
trans-1,2-Dichloroethene  
Concen: 49.395 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

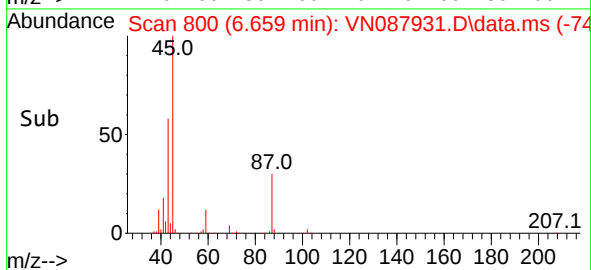
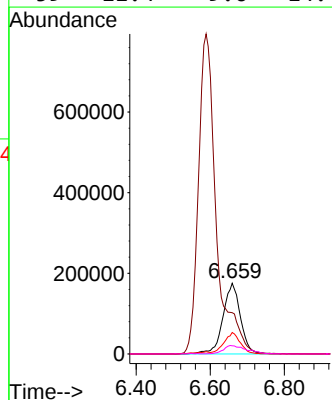
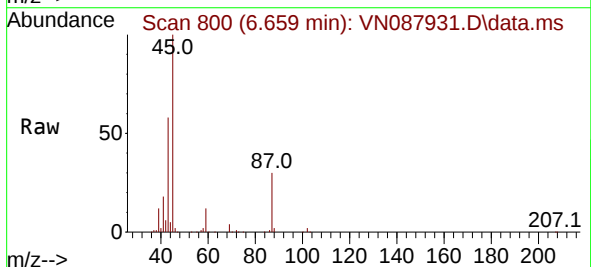
Instrument :  
MSVOA\_N  
ClientSampleId :

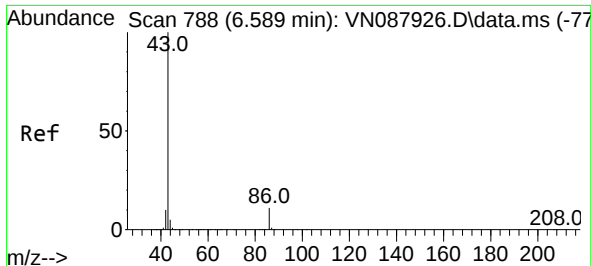
Tgt Ion: 96 Resp: 176202  
Ion Ratio Lower Upper  
96 100  
61 125.8 114.4 171.6  
98 61.5 53.6 80.4



#22  
Diisopropyl ether  
Concen: 51.790 ug/l  
RT: 6.659 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 45 Resp: 572737  
Ion Ratio Lower Upper  
45 100  
43 58.1 49.9 74.9  
87 30.4 25.2 37.8  
59 11.4 9.6 14.4

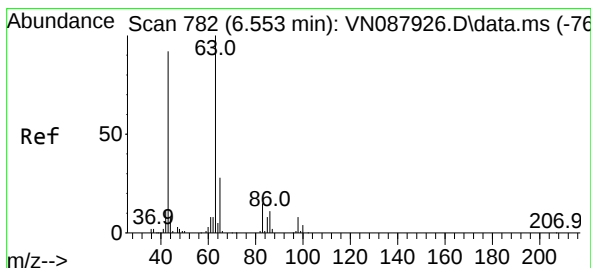
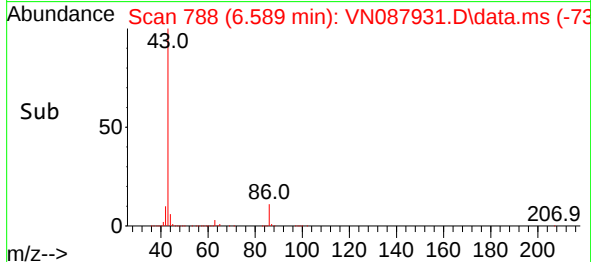
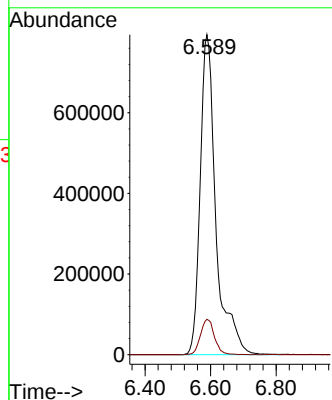
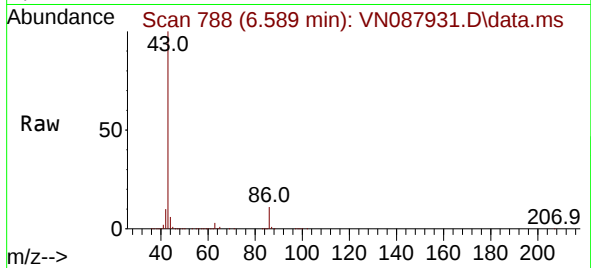




#23  
 Vinyl Acetate  
 Concen: 284.459 ug/l  
 RT: 6.589 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

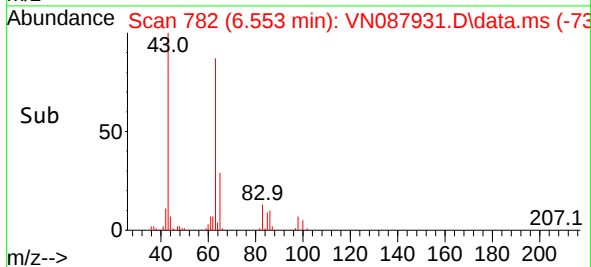
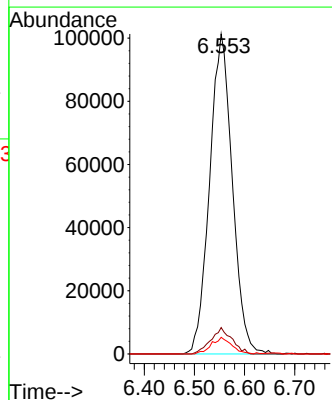
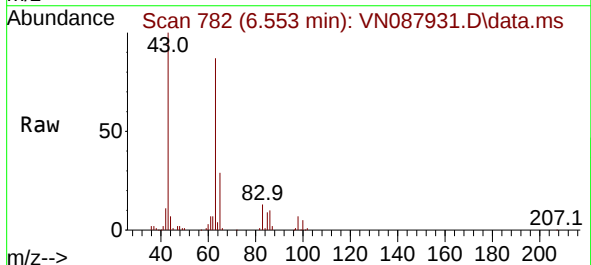
Instrument :  
 MSVOA\_N  
 ClientSampleId :

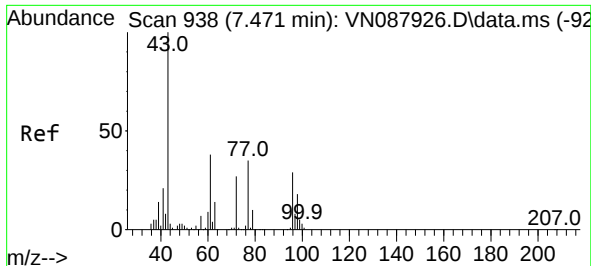
Tgt Ion: 43 Resp: 2648731  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.6 12.8



#24  
 1,1-Dichloroethane  
 Concen: 49.382 ug/l  
 RT: 6.553 min Scan# 782  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

Tgt Ion: 63 Resp: 319051  
 Ion Ratio Lower Upper  
 63 100  
 98 8.3 3.9 11.5  
 100 5.2 2.1 6.5

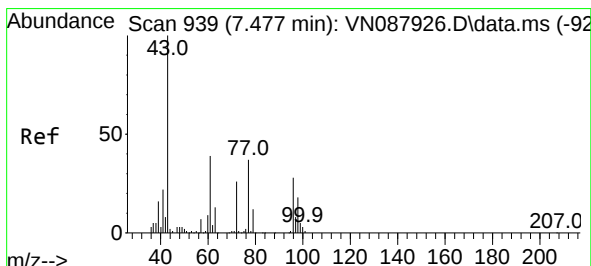
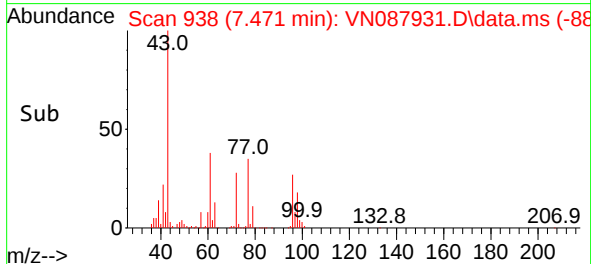
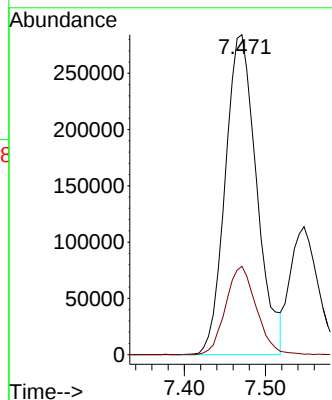
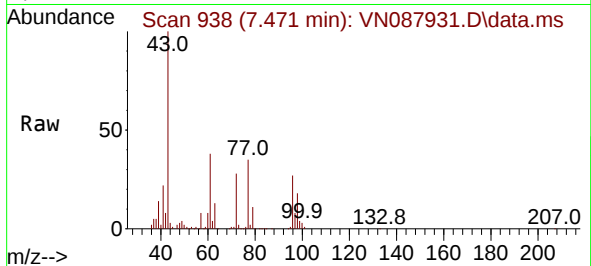




#25  
2-Butanone  
Concen: 261.219 ug/l  
RT: 7.471 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

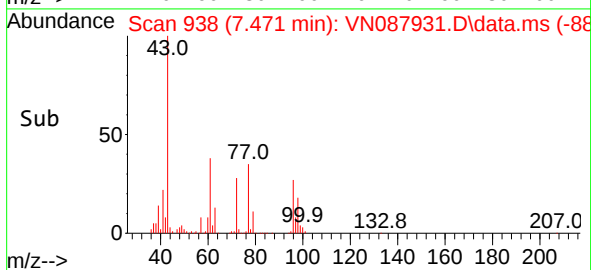
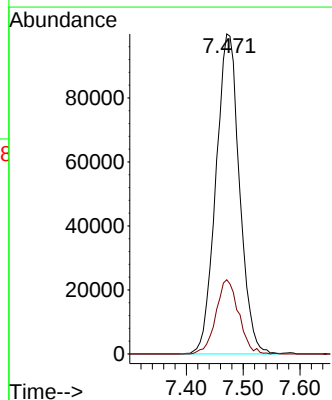
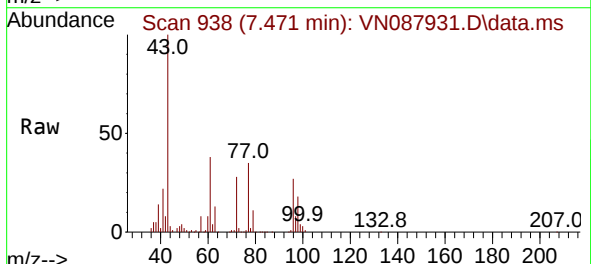
Instrument :  
MSVOA\_N  
ClientSampleId :

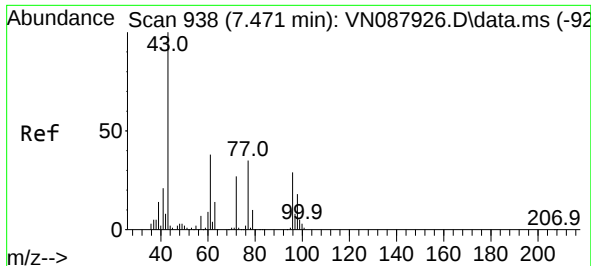
Tgt Ion: 43 Resp: 765845  
Ion Ratio Lower Upper  
43 100  
72 27.6 21.5 32.3



#26  
2,2-Dichloropropane  
Concen: 50.261 ug/l  
RT: 7.471 min Scan# 938  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

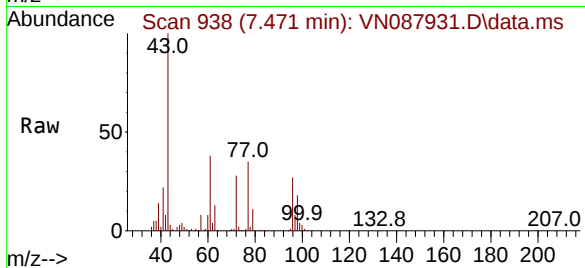
Tgt Ion: 77 Resp: 288518  
Ion Ratio Lower Upper  
77 100  
97 22.4 11.5 34.5



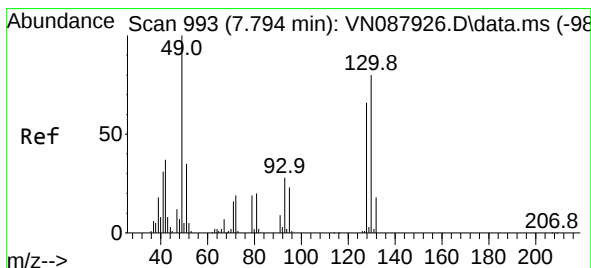
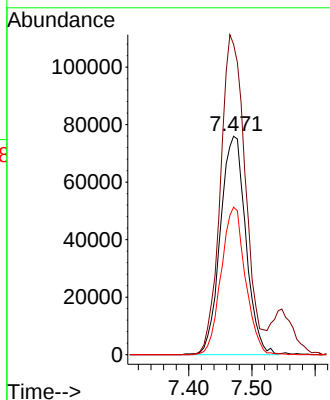
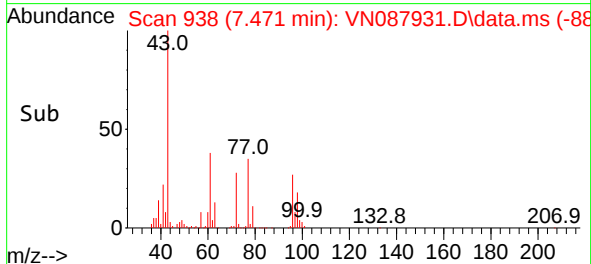


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.099 ug/l  
 RT: 7.471 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

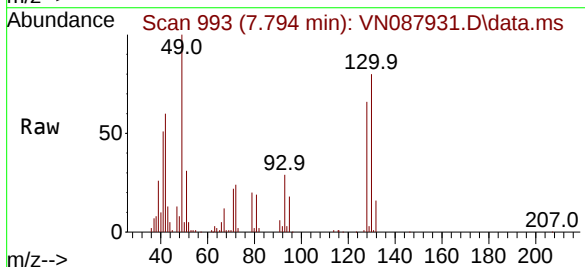
Instrument :  
 MSVOA\_N  
 ClientSampleId :



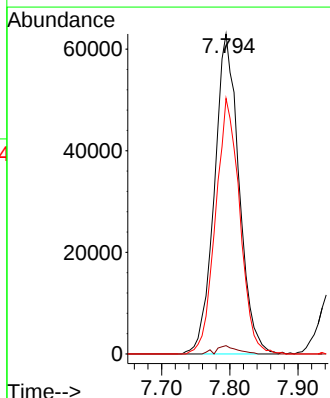
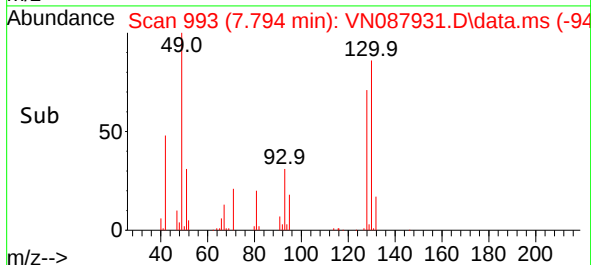
Tgt Ion: 96 Resp: 212644  
 Ion Ratio Lower Upper  
 96 100  
 61 144.2 0.0 283.0  
 98 64.3 0.0 127.6

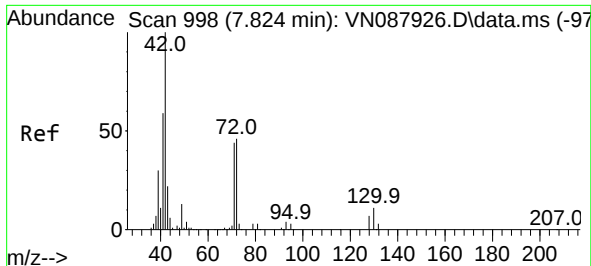


#28  
 Bromochloromethane  
 Concen: 45.070 ug/l  
 RT: 7.794 min Scan# 993  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08



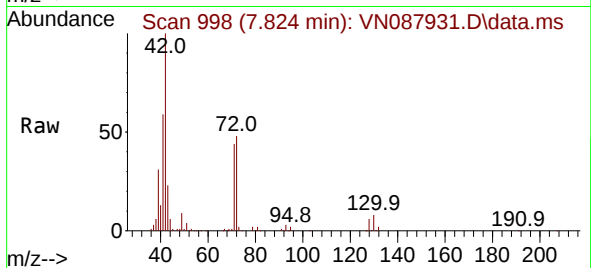
Tgt Ion: 49 Resp: 158210  
 Ion Ratio Lower Upper  
 49 100  
 129 2.2 0.0 5.4  
 130 78.4 62.6 94.0



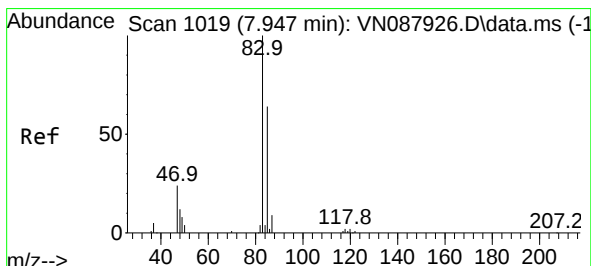
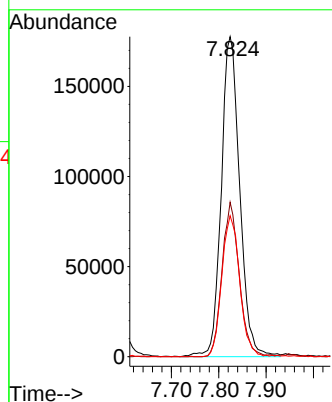
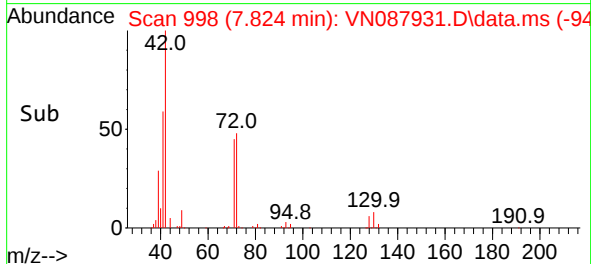


#29  
Tetrahydrofuran  
Concen: 256.481 ug/l  
RT: 7.824 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

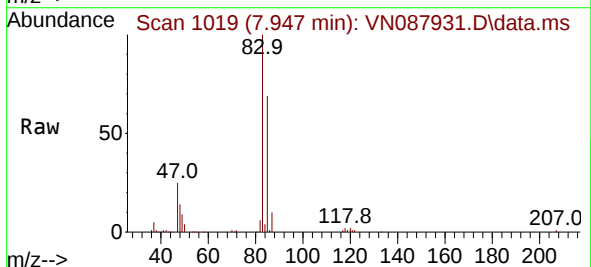
Instrument :  
MSVOA\_N  
ClientSampleId :



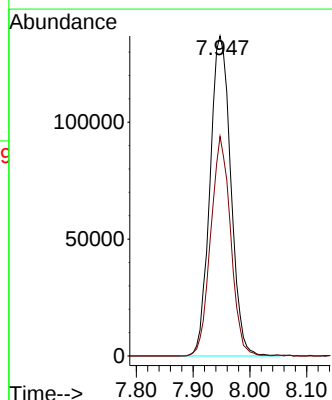
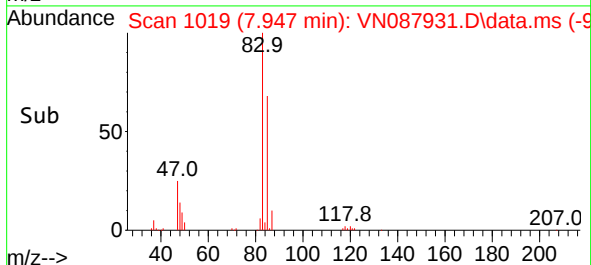
Tgt Ion: 42 Resp: 481488  
Ion Ratio Lower Upper  
42 100  
72 44.9 36.5 54.7  
71 42.8 33.8 50.8

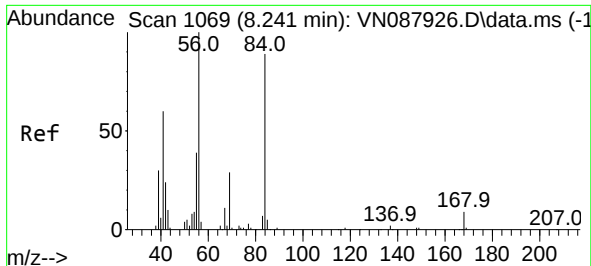


#30  
Chloroform  
Concen: 49.224 ug/l  
RT: 7.947 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08



Tgt Ion: 83 Resp: 347740  
Ion Ratio Lower Upper  
83 100  
85 68.6 50.9 76.3





#31

Cyclohexane

Concen: 47.692 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

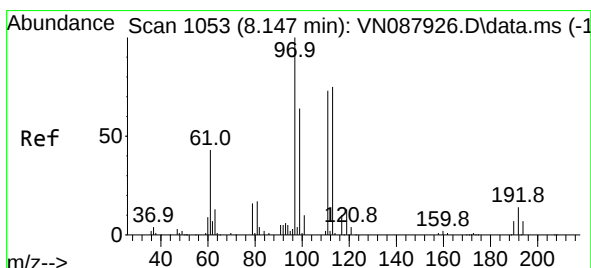
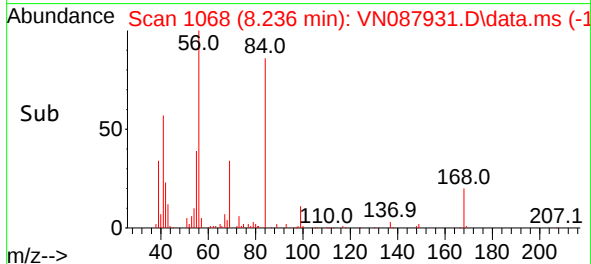
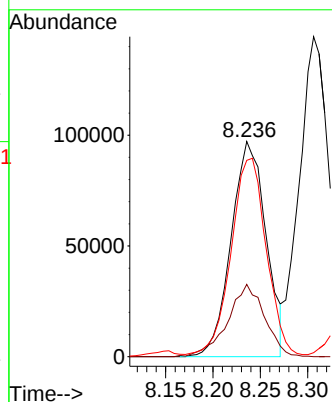
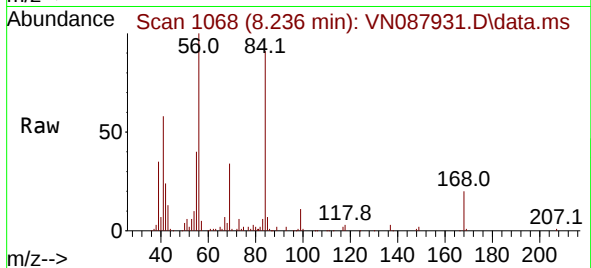
Tgt Ion: 56 Resp: 249322

Ion Ratio Lower Upper

56 100

69 33.0 23.4 35.0

84 90.1 70.8 106.2



#32

1,1,1-Trichloroethane

Concen: 50.001 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

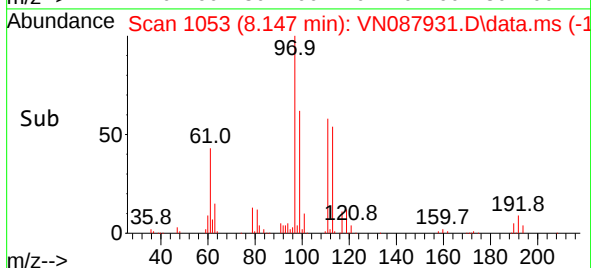
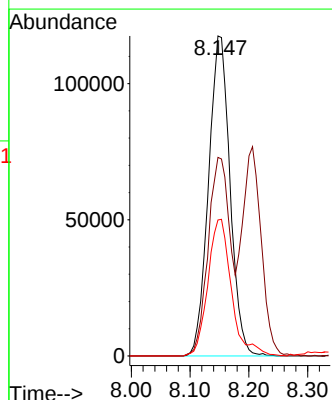
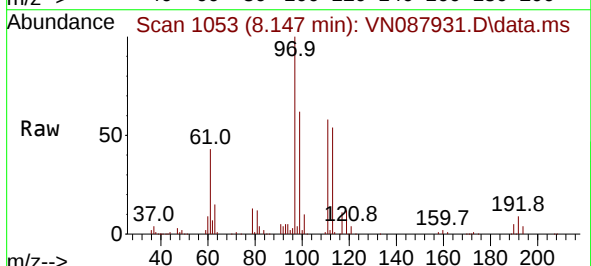
Tgt Ion: 97 Resp: 298473

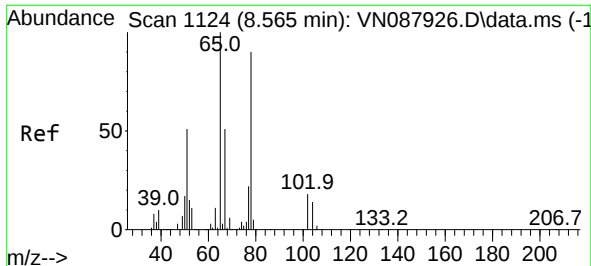
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 46.7 38.6 58.0

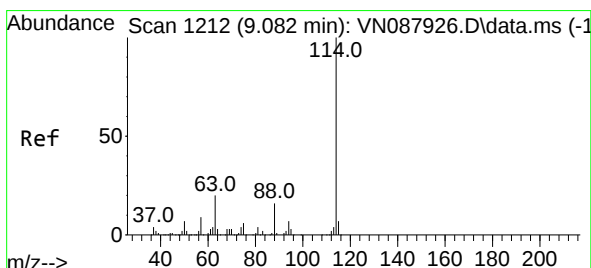
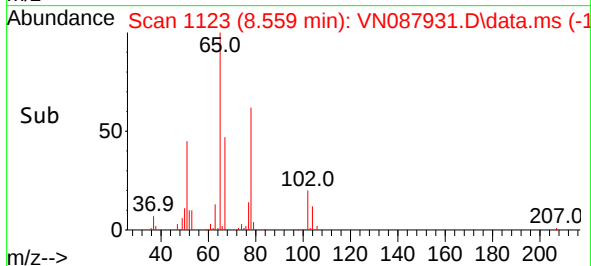
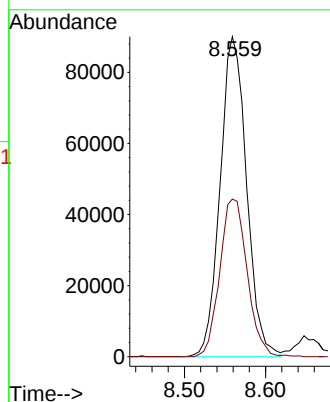
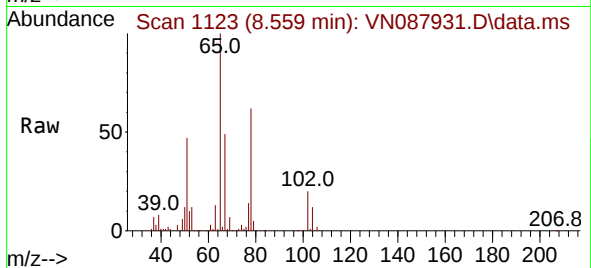




#33  
1,2-Dichloroethane-d4  
Concen: 43.678 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

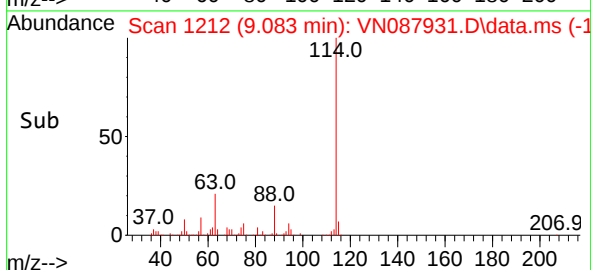
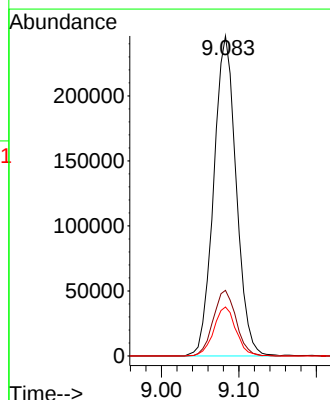
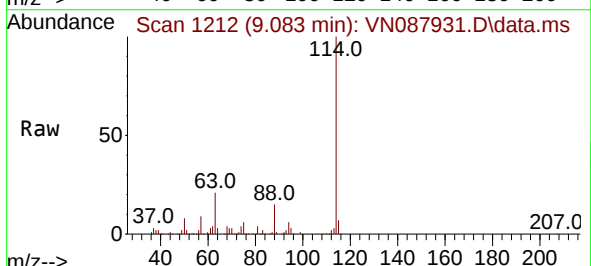
Instrument :  
MSVOA\_N  
ClientSampleId :

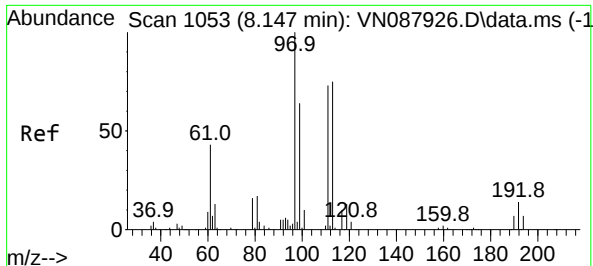
Tgt Ion: 65 Resp: 203626  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.083 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion:114 Resp: 496020  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 40.0  
88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 43.369 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

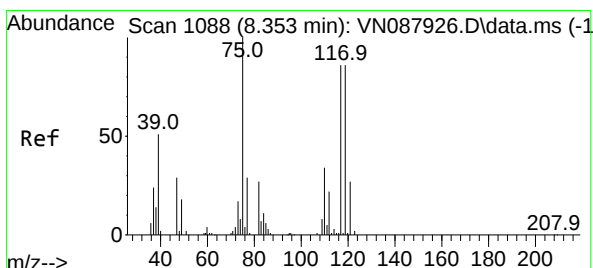
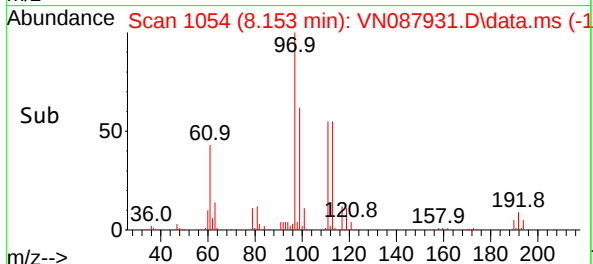
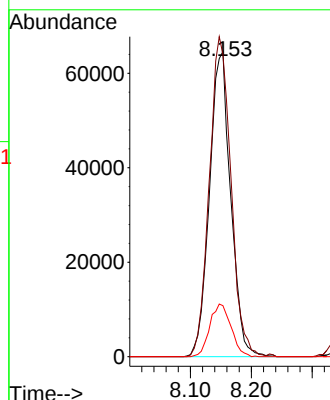
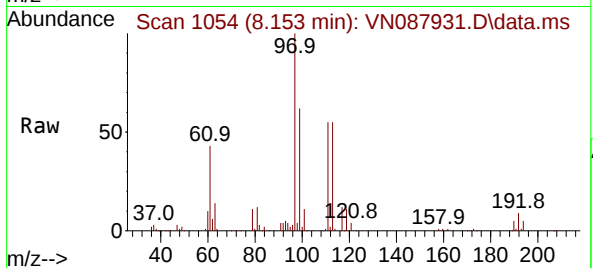
Tgt Ion:113 Resp: 156190

Ion Ratio Lower Upper

113 100

111 106.9 82.2 123.2

192 17.3 14.2 21.2



#36

1,1-Dichloropropene

Concen: 51.628 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

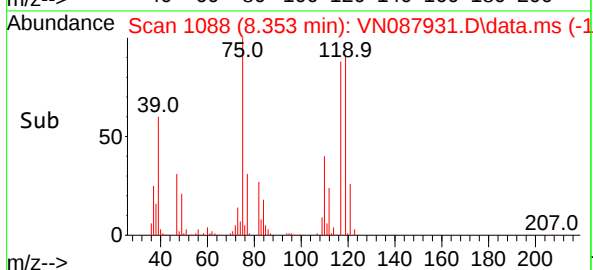
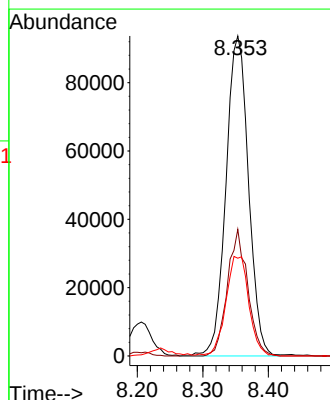
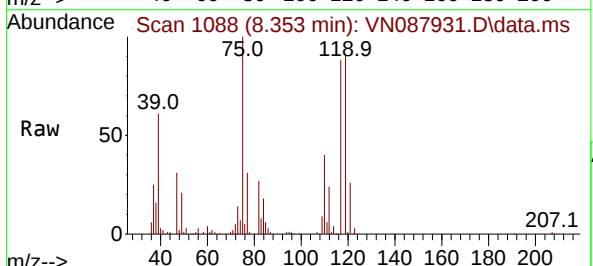
Tgt Ion: 75 Resp: 223572

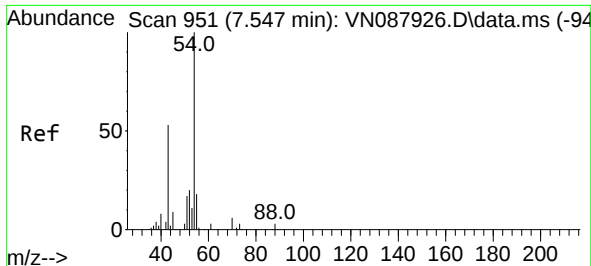
Ion Ratio Lower Upper

75 100

110 35.8 17.1 51.3

77 31.8 24.8 37.2





#37

Ethyl Acetate

Concen: 49.529 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

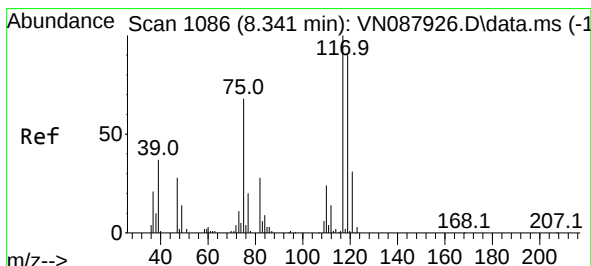
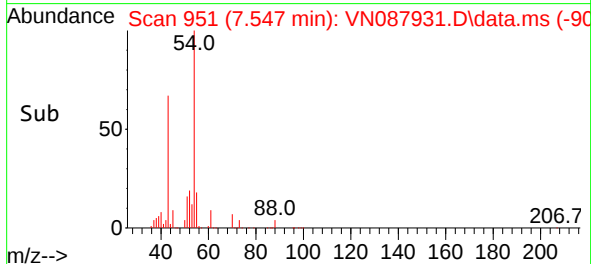
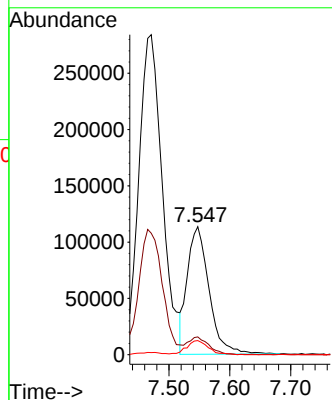
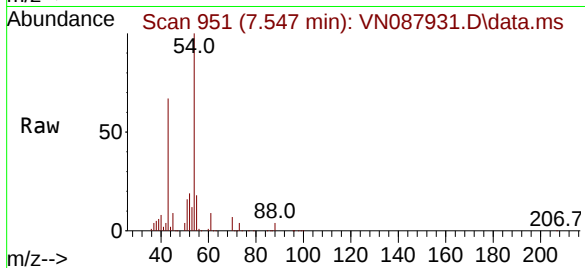
Tgt Ion: 43 Resp: 281650

Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 11.0 7.8 11.8



#38

Carbon Tetrachloride

Concen: 51.149 ug/l

RT: 8.341 min Scan# 1086

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

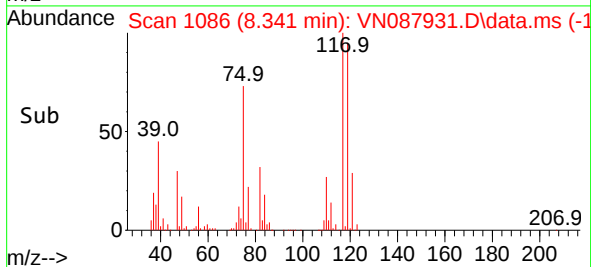
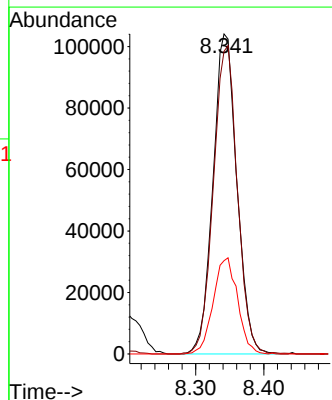
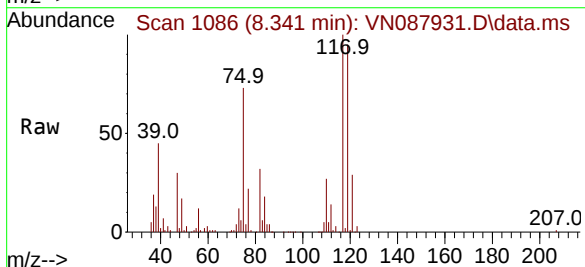
Tgt Ion: 117 Resp: 254169

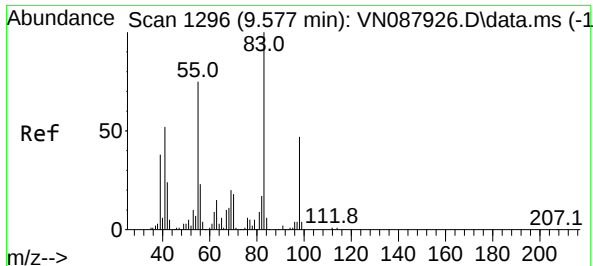
Ion Ratio Lower Upper

117 100

119 94.6 72.1 108.1

121 29.2 24.6 36.8





#39

Methylcyclohexane

Concen: 53.190 ug/l

RT: 9.577 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

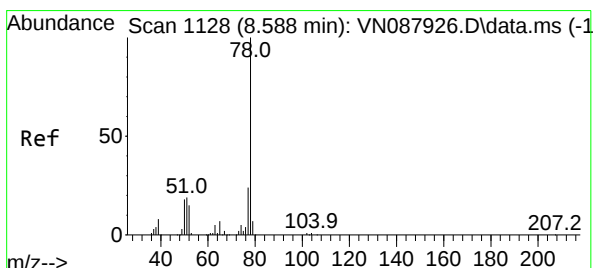
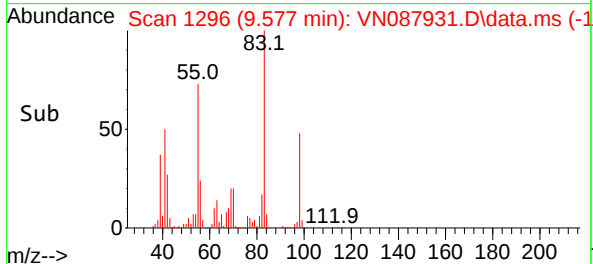
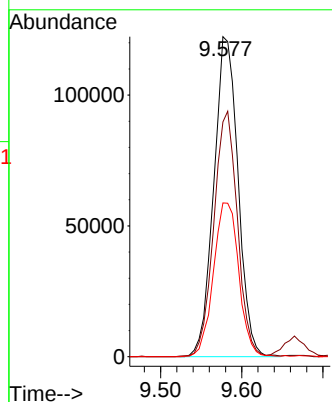
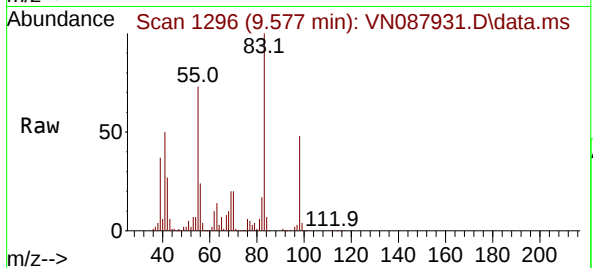
Tgt Ion: 83 Resp: 254097

Ion Ratio Lower Upper

83 100

55 73.2 59.9 89.9

98 48.0 37.4 56.2



#40

Benzene

Concen: 51.160 ug/l

RT: 8.589 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN087931.D

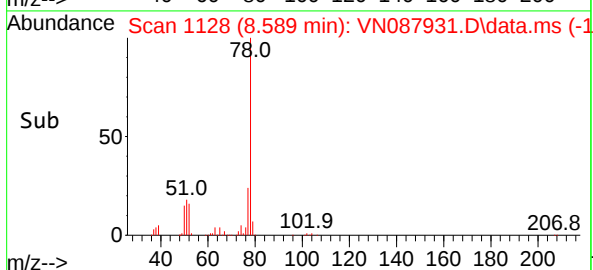
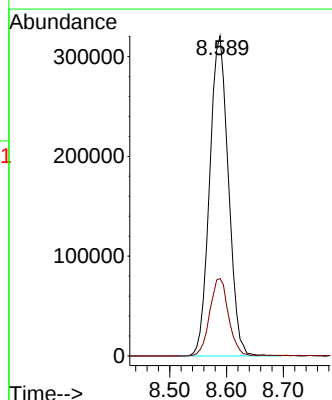
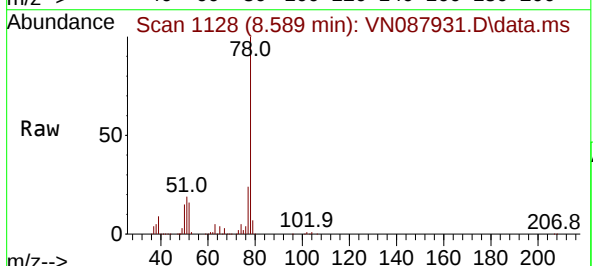
Acq: 23 Sep 2025 15:08

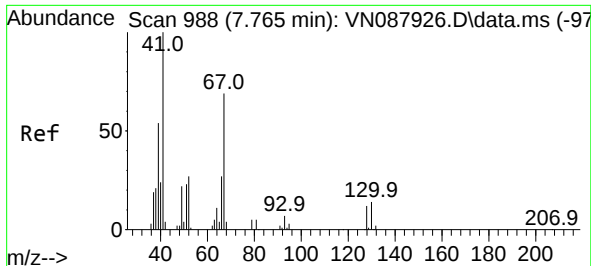
Tgt Ion: 78 Resp: 733552

Ion Ratio Lower Upper

78 100

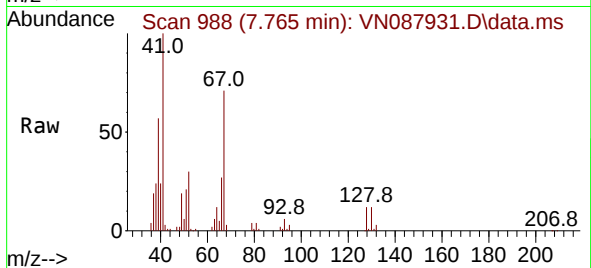
77 24.2 19.0 28.6



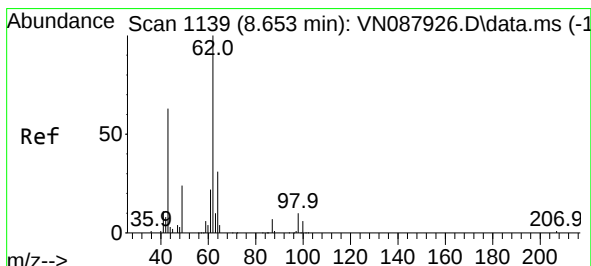
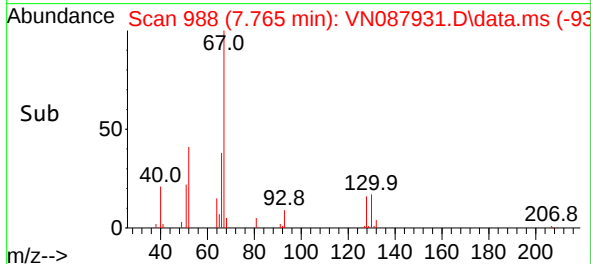
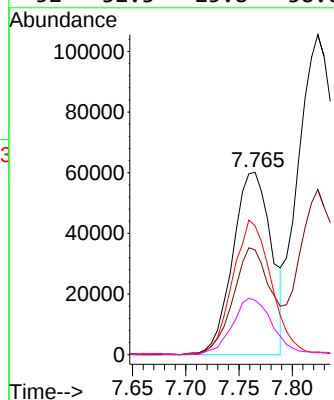


#41  
Methacrylonitrile  
Concen: 51.681 ug/l  
RT: 7.765 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

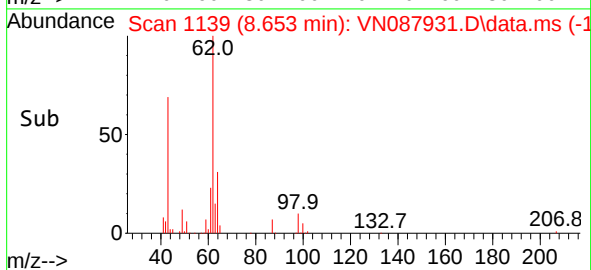
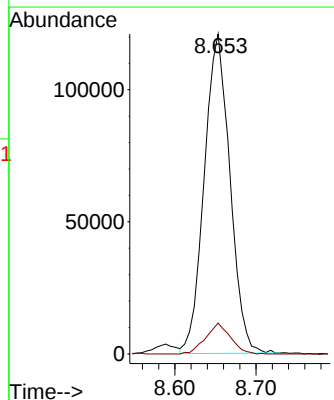
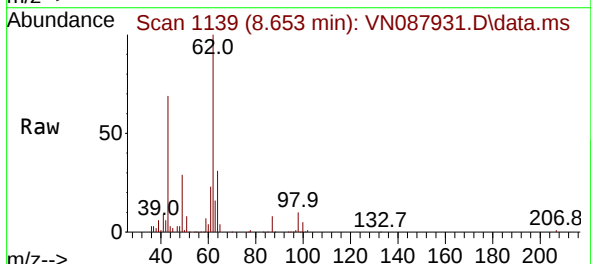


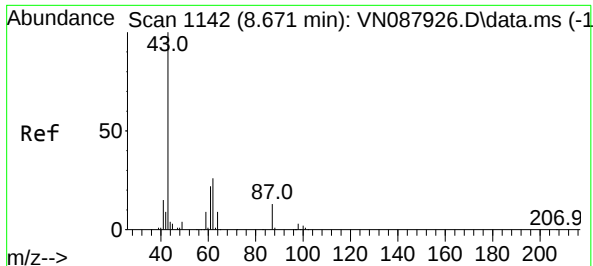
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 151881 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 57.4  | 43.5  | 65.3   |
| 67       | 73.8  | 57.6  | 86.4   |
| 52       | 32.3  | 25.8  | 38.6   |



#42  
1,2-Dichloroethane  
Concen: 49.739 ug/l  
RT: 8.653 min Scan# 1139  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 266146 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 18.6   |





#43

Isopropyl Acetate

Concen: 51.950 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN087931.D

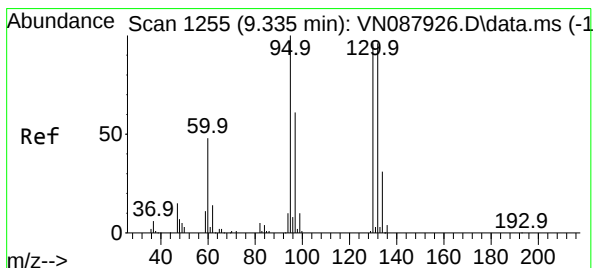
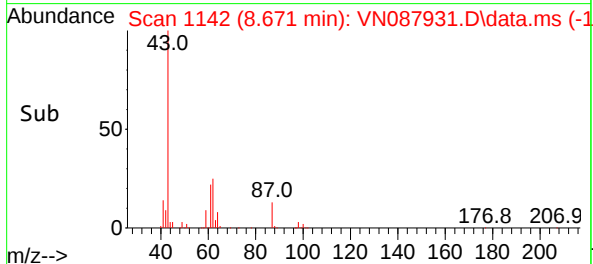
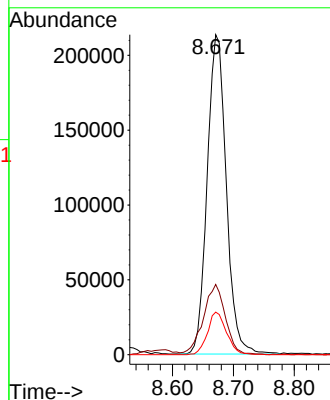
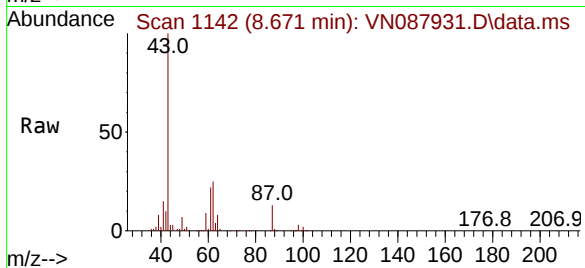
Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 465007   |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 25.5 20.2 30.2 |
| 87          | 13.3 10.9 16.3 |



#44

Trichloroethene

Concen: 50.817 ug/l

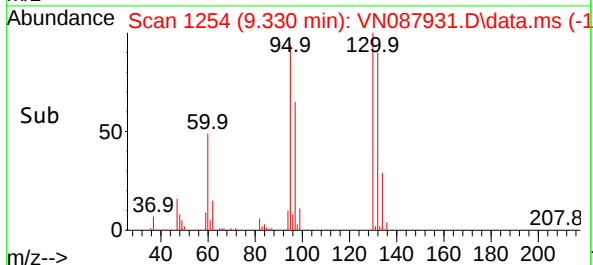
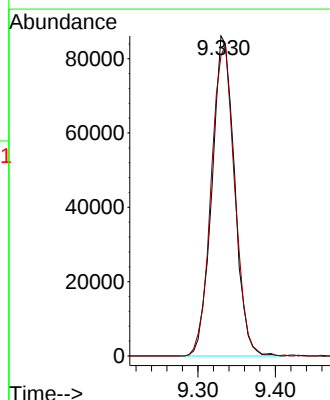
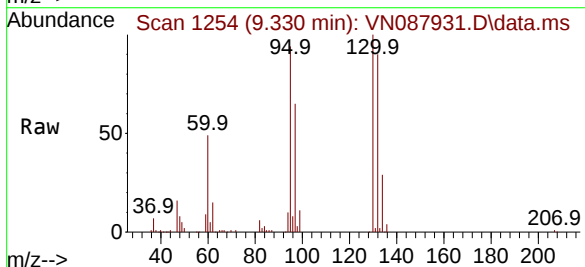
RT: 9.330 min Scan# 1254

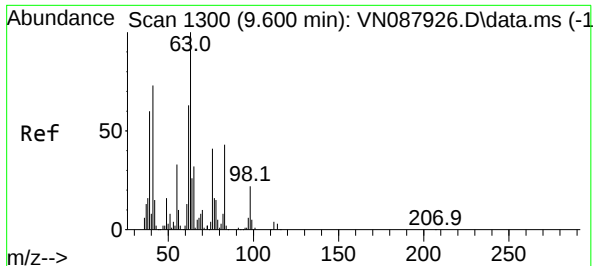
Delta R.T. -0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

|              |                |
|--------------|----------------|
| Tgt Ion: 130 | Resp: 174047   |
| Ion Ratio    | Lower Upper    |
| 130          | 100            |
| 95           | 93.9 0.0 208.0 |





#45

1,2-Dichloropropane

Concen: 50.566 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

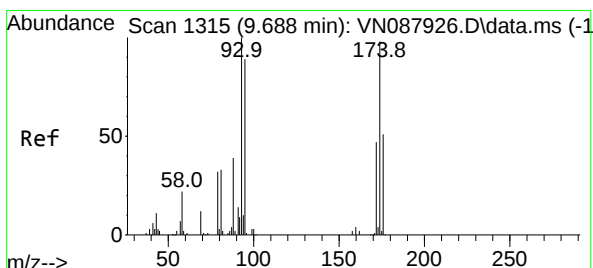
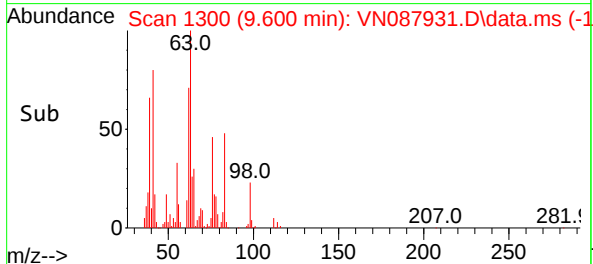
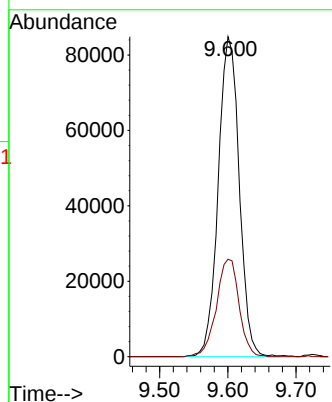
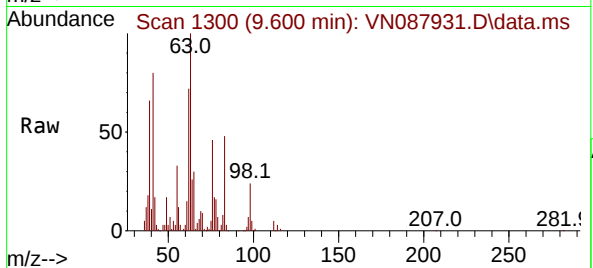
ClientSampleId :

Tgt Ion: 63 Resp: 181803

Ion Ratio Lower Upper

63 100

65 30.4 25.4 38.0



#46

Dibromomethane

Concen: 50.925 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

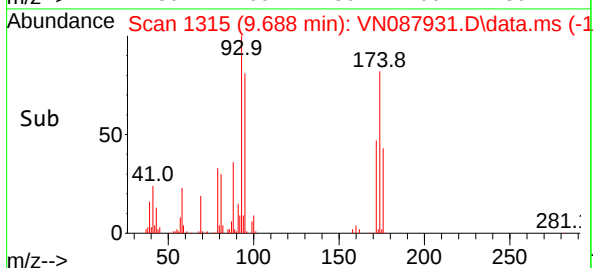
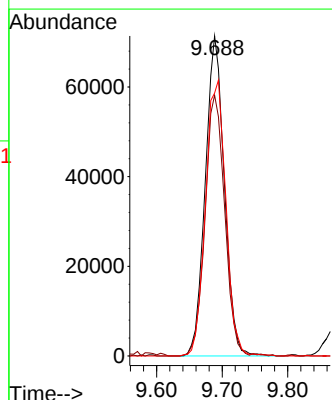
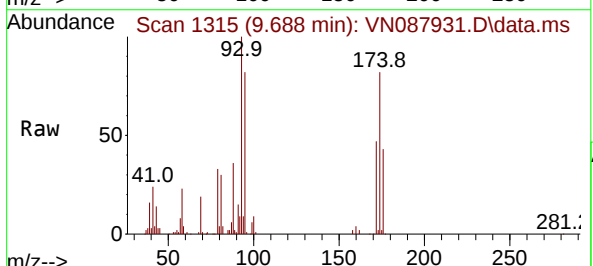
Tgt Ion: 93 Resp: 144476

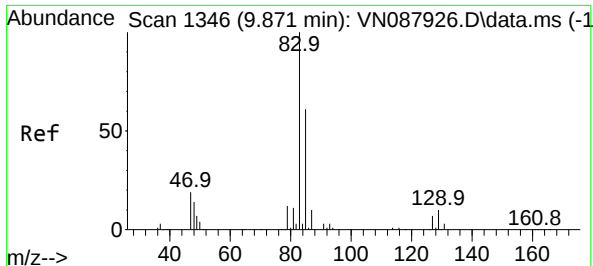
Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 91.8 75.4 113.0





#47

Bromodichloromethane

Concen: 50.858 ug/l

RT: 9.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087931.D

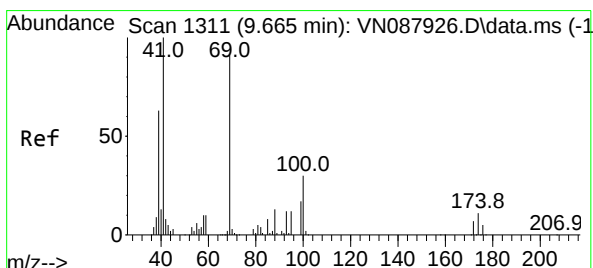
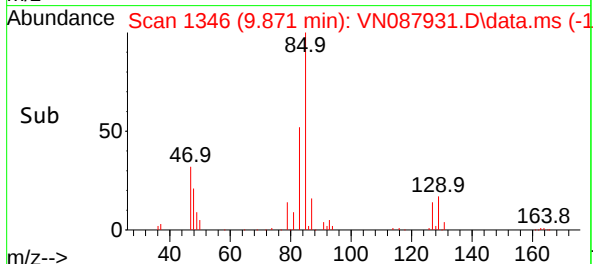
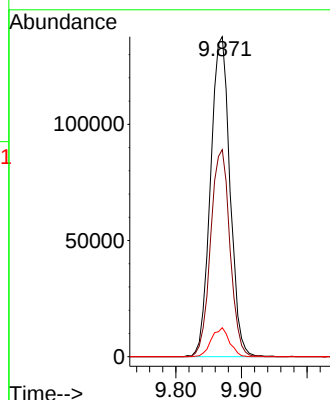
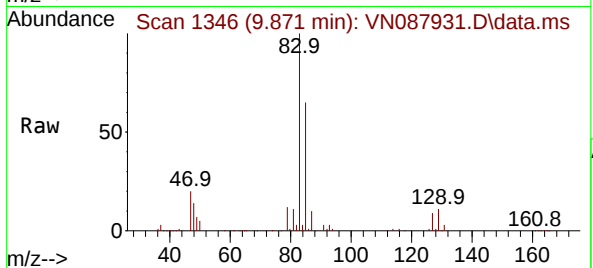
Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 282997 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 49.1  | 73.7   |
| 127      | 9.0   | 5.9   | 8.9#   |



#48

Methyl methacrylate

Concen: 53.199 ug/l

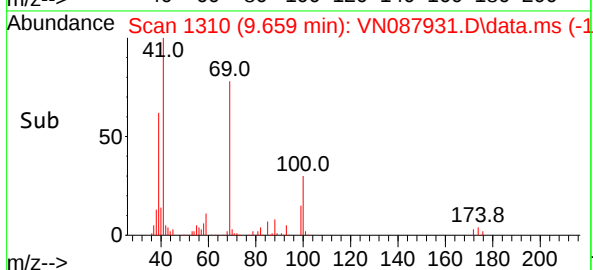
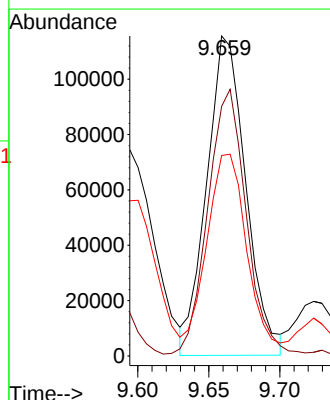
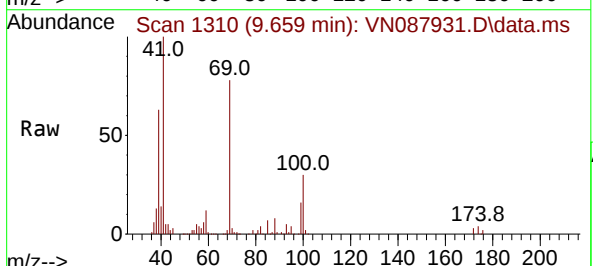
RT: 9.659 min Scan# 1310

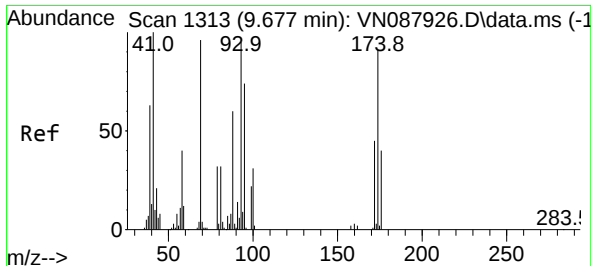
Delta R.T. -0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 220518 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 81.1  | 70.9  | 106.3  |
| 39       | 65.4  | 52.9  | 79.3   |





#49

1,4-Dioxane

Concen: 1167.270 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.006 min

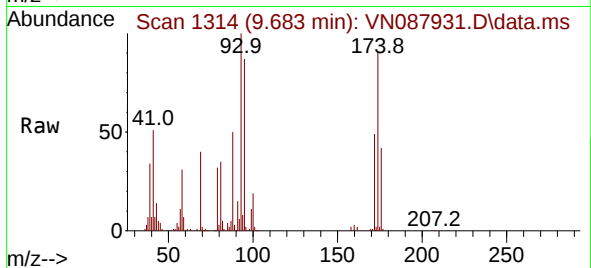
Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

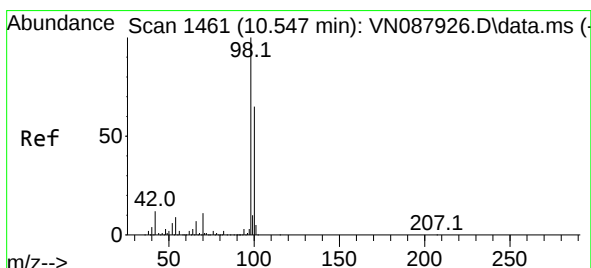
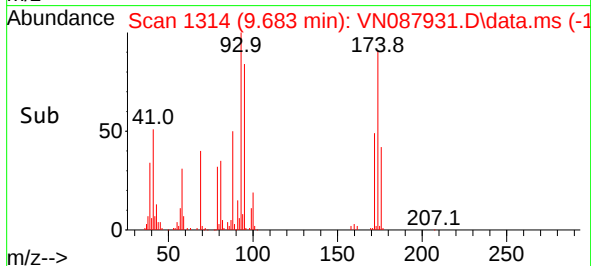
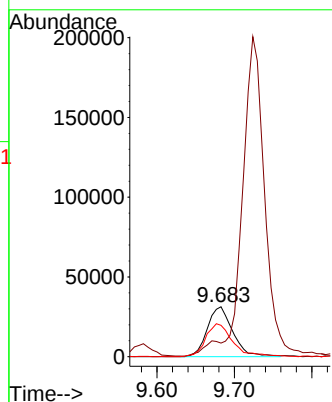
Instrument :

MSVOA\_N

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 71480 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 0.0   | 22.6  | 33.8# |
| 58       | 70.4  | 57.4  | 86.2  |



#50

Toluene-d8

Concen: 44.774 ug/l

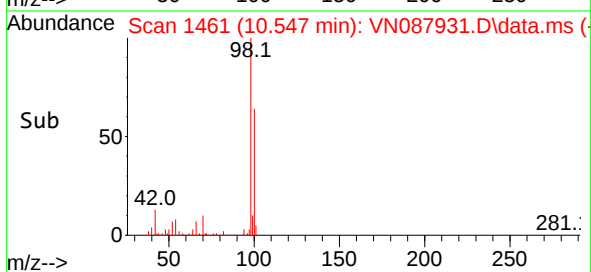
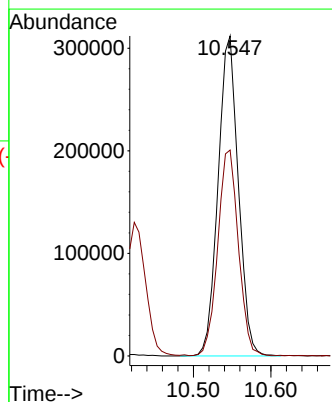
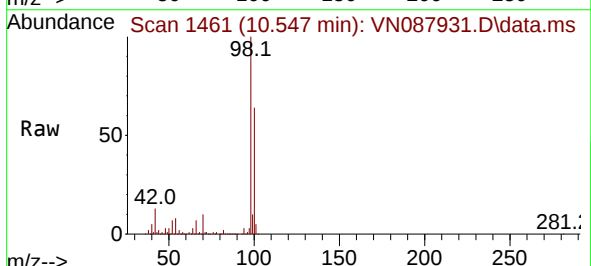
RT: 10.547 min Scan# 1461

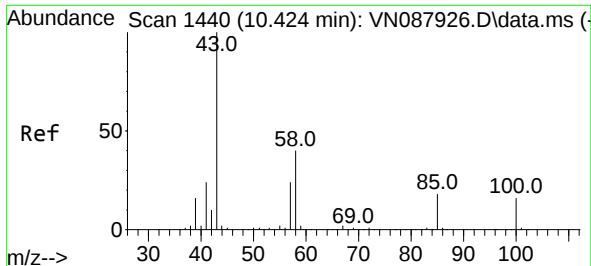
Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 567044 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.4  | 51.7  | 77.5   |

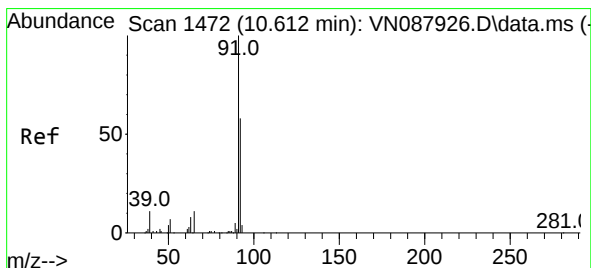
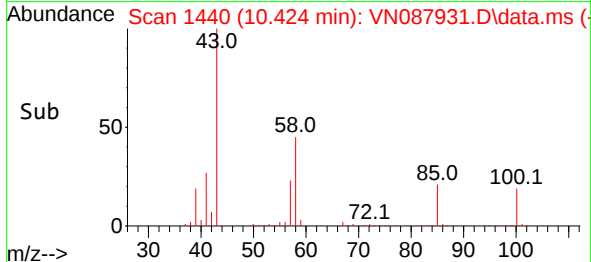
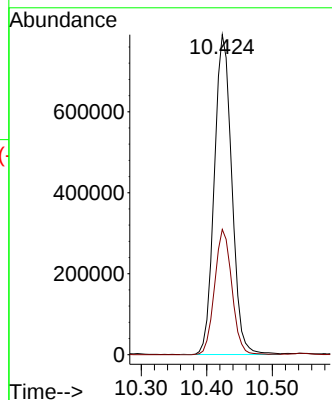
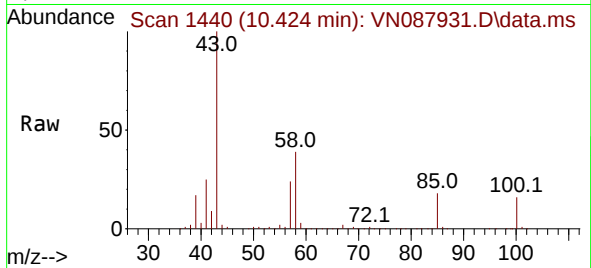




#51  
4-Methyl-2-Pentanone  
Concen: 262.261 ug/l  
RT: 10.424 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

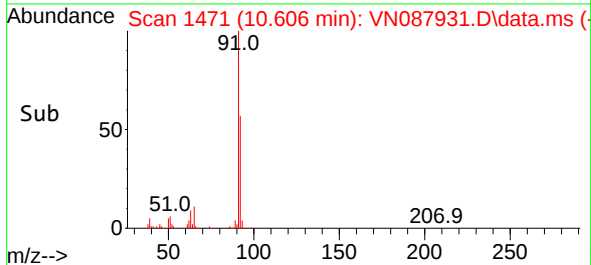
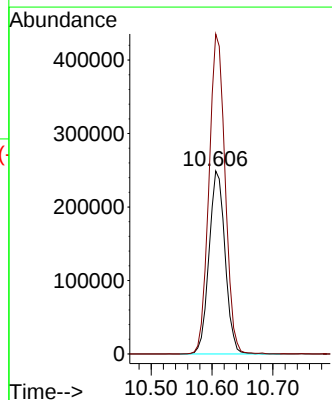
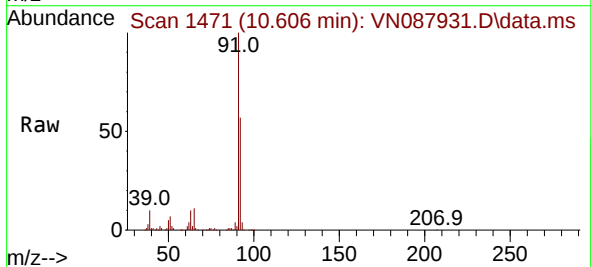
Instrument :  
MSVOA\_N  
ClientSampleId :

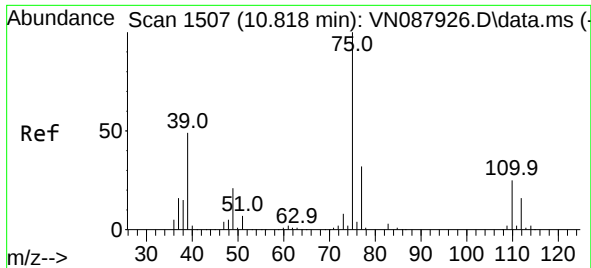
Tgt Ion: 43 Resp: 1464843  
Ion Ratio Lower Upper  
43 100  
58 38.6 31.0 46.6



#52  
Toluene  
Concen: 50.722 ug/l  
RT: 10.606 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 92 Resp: 456380  
Ion Ratio Lower Upper  
92 100  
91 175.6 138.2 207.2

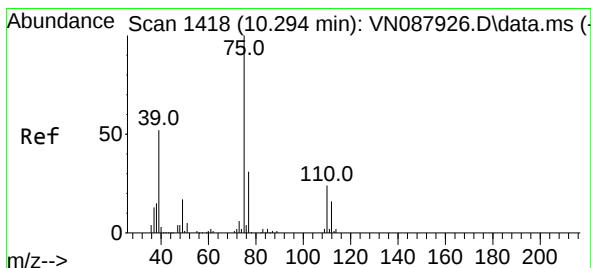
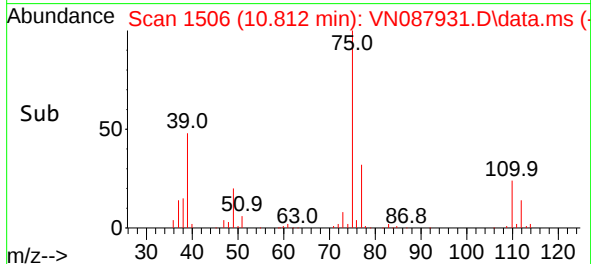
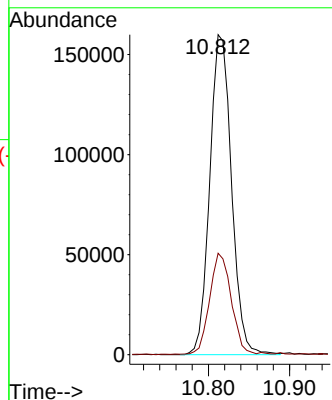
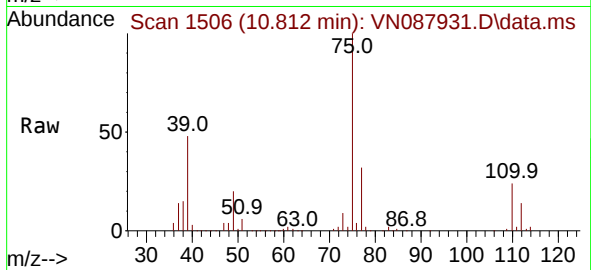




#53  
 t-1,3-Dichloropropene  
 Concen: 52.296 ug/l  
 RT: 10.812 min Scan# 1506  
 Delta R.T. -0.006 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

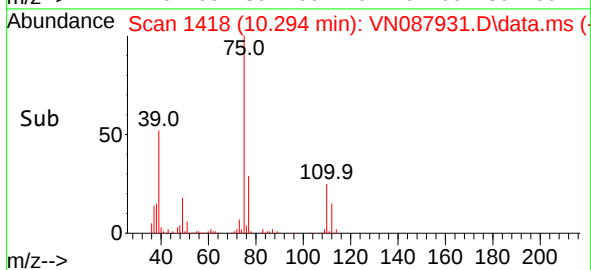
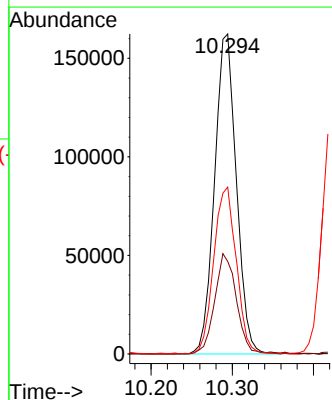
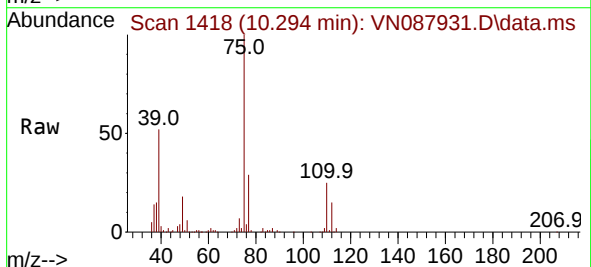
Instrument :  
 MSVOA\_N  
 ClientSampleId :

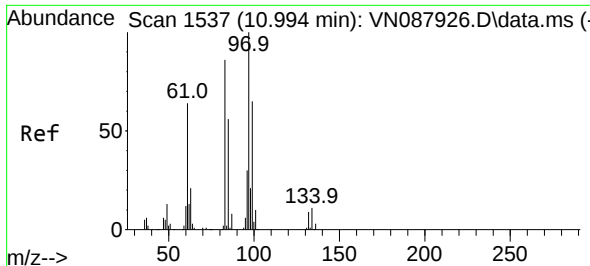
Tgt Ion: 75 Resp: 297827  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.268 ug/l  
 RT: 10.294 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

Tgt Ion: 75 Resp: 303245  
 Ion Ratio Lower Upper  
 75 100  
 77 28.9 24.7 37.1  
 39 52.2 41.4 62.0

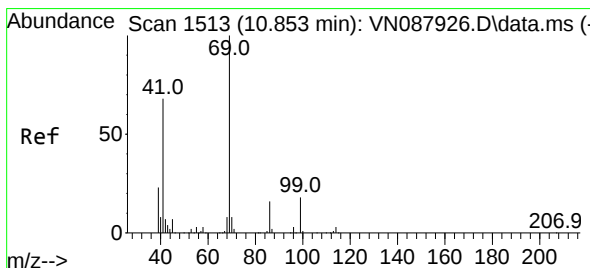
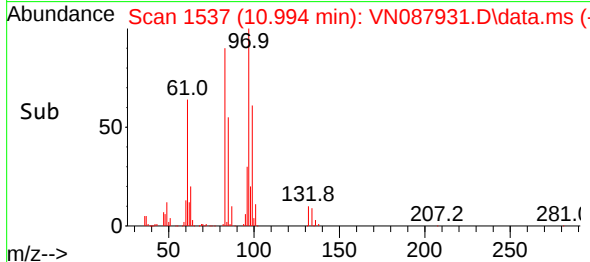
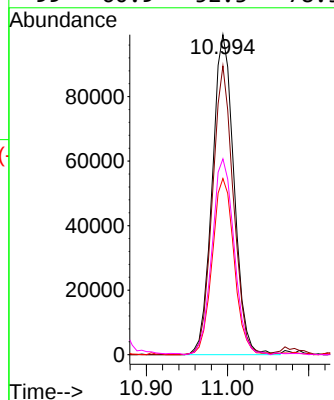
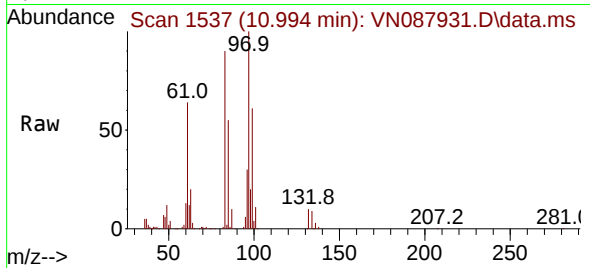




#55  
1,1,2-Trichloroethane  
Concen: 50.476 ug/l  
RT: 10.994 min Scan# 1537  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

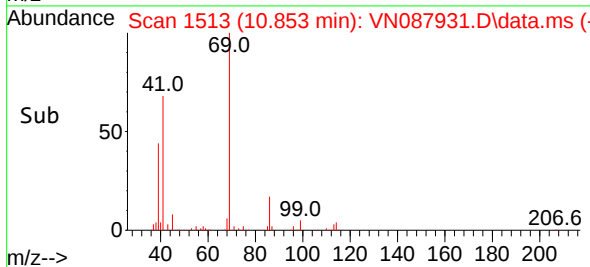
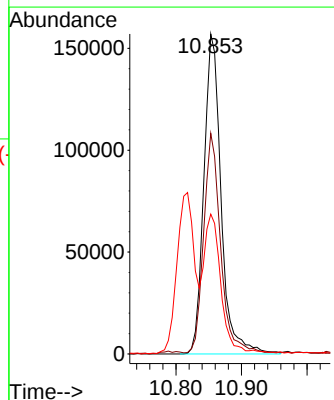
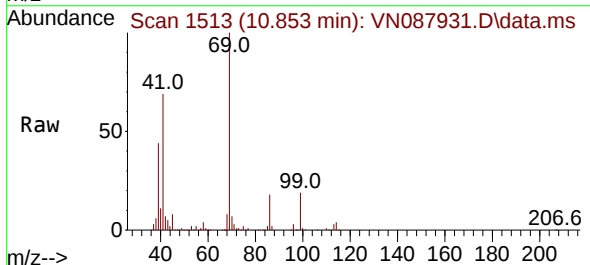
Instrument :  
MSVOA\_N  
ClientSampleId :

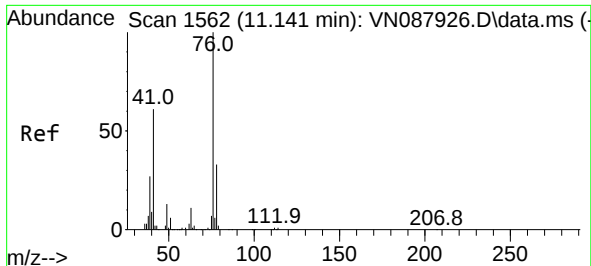
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 184666 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 90.2     | 69.0 103.4   |
| 85 55.1     | 44.4 66.6    |
| 99 60.9     | 52.3 78.5    |



#56  
Ethyl methacrylate  
Concen: 54.367 ug/l  
RT: 10.853 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 287401 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 67.0     | 53.8 80.6    |
| 39 42.5     | 34.7 52.1    |





#57

1,3-Dichloropropane

Concen: 52.219 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

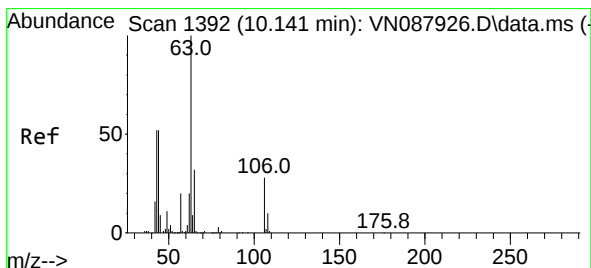
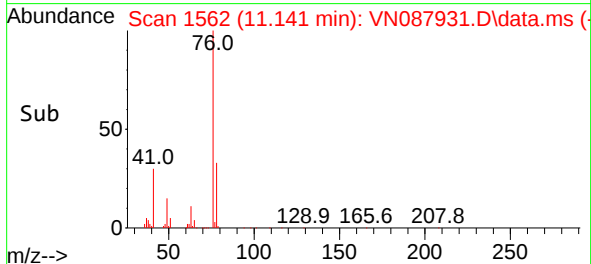
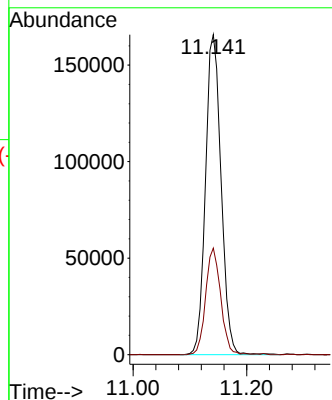
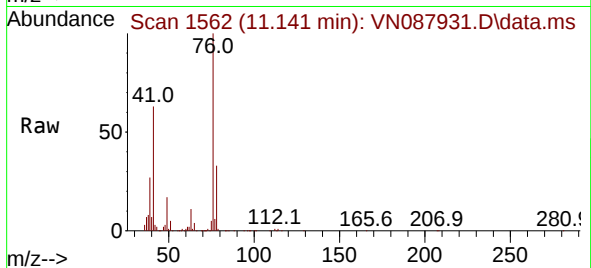
ClientSampleId :

Tgt Ion: 76 Resp: 314225

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 295.766 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VN087931.D

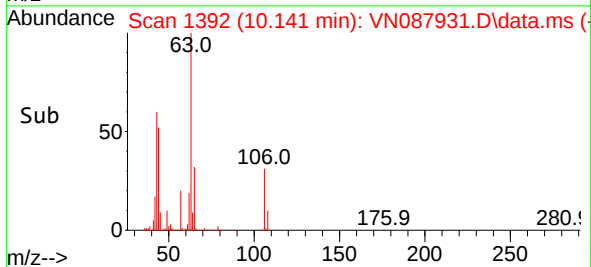
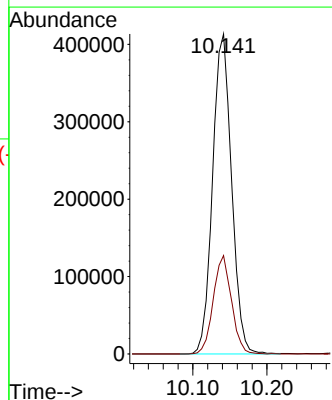
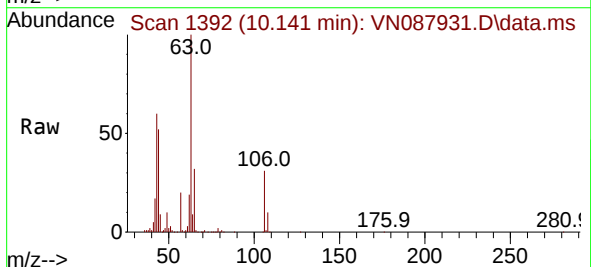
Acq: 23 Sep 2025 15:08

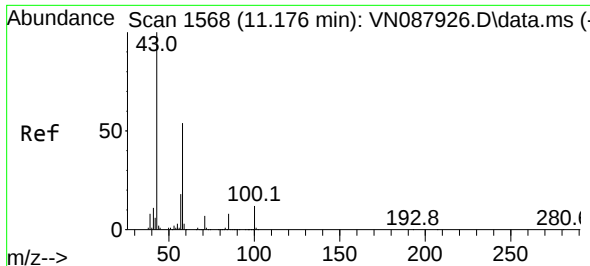
Tgt Ion: 63 Resp: 735137

Ion Ratio Lower Upper

63 100

106 29.4 22.6 33.8

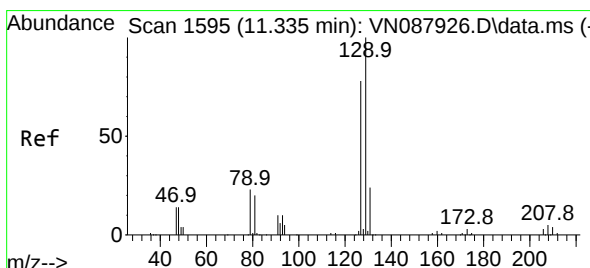
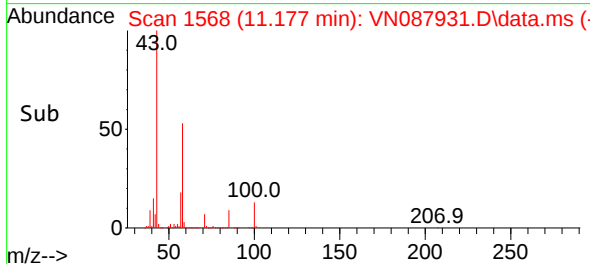
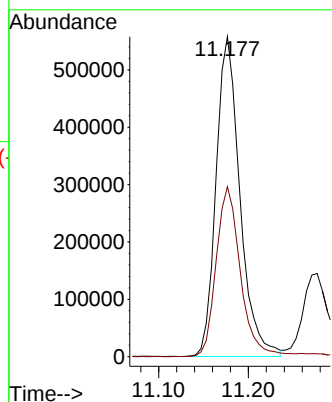
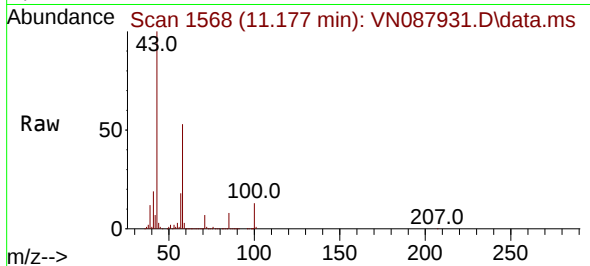




#59  
2-Hexanone  
Concen: 278.348 ug/l  
RT: 11.177 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

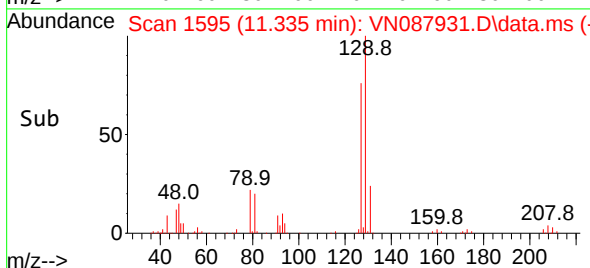
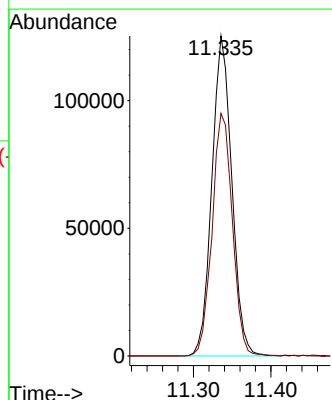
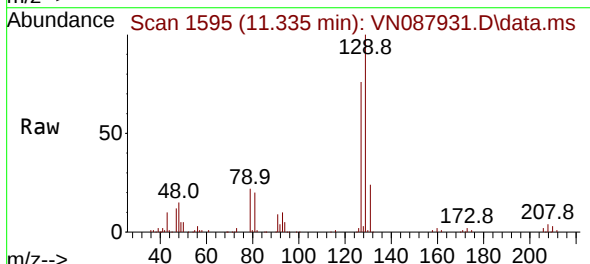
Instrument :  
MSVOA\_N  
ClientSampleId :

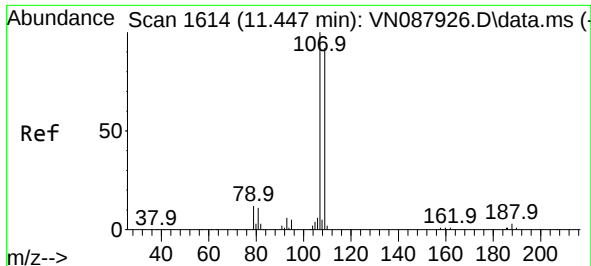
Tgt Ion: 43 Resp: 1027998  
Ion Ratio Lower Upper  
43 100  
58 54.2 26.4 79.2



#60  
Dibromochloromethane  
Concen: 52.185 ug/l  
RT: 11.335 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion:129 Resp: 224473  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.3 117.9

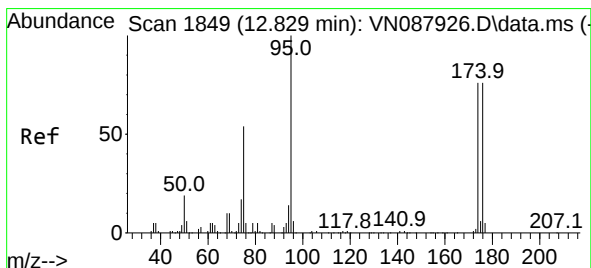
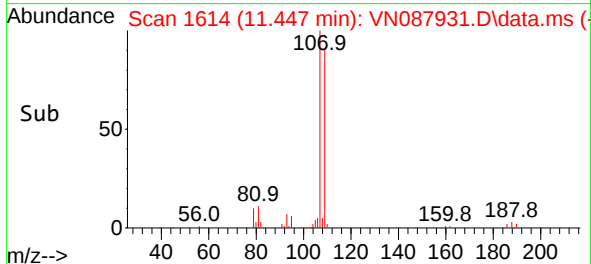
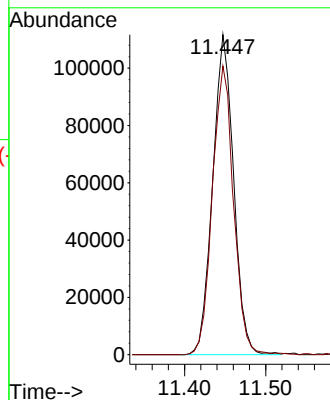
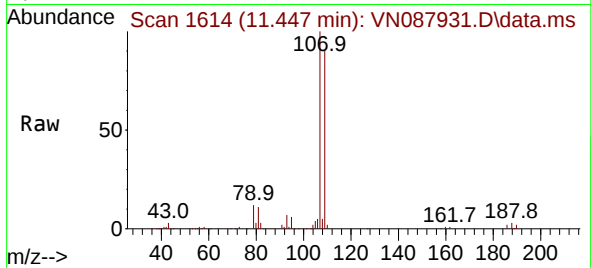




#61  
1,2-Dibromoethane  
Concen: 51.598 ug/l  
RT: 11.447 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

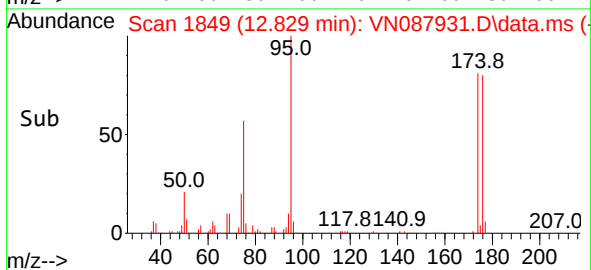
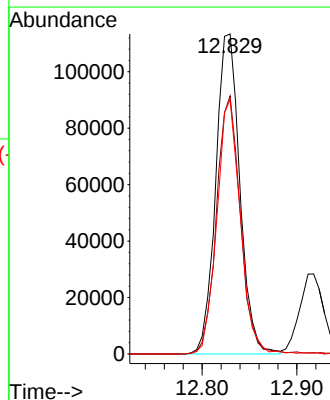
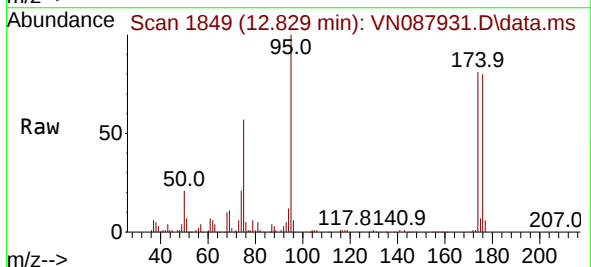
Instrument :  
MSVOA\_N  
ClientSampleId :

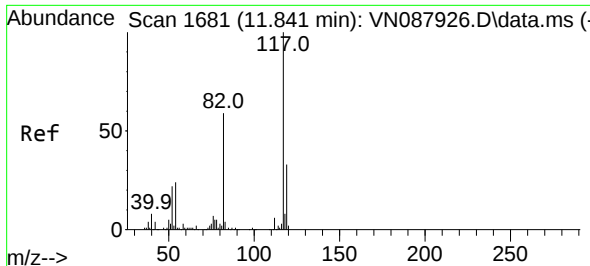
Tgt Ion:107 Resp: 199841  
Ion Ratio Lower Upper  
107 100  
109 91.6 75.3 112.9



#62  
4-Bromofluorobenzene  
Concen: 44.319 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 95 Resp: 200630  
Ion Ratio Lower Upper  
95 100  
174 79.6 0.0 159.2  
176 77.5 0.0 152.6

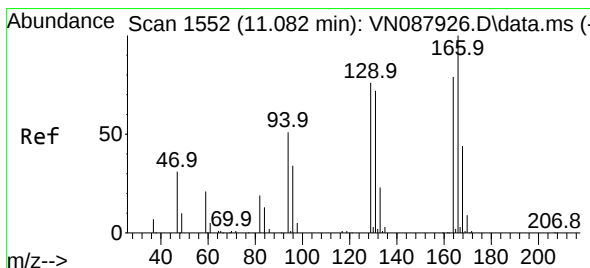
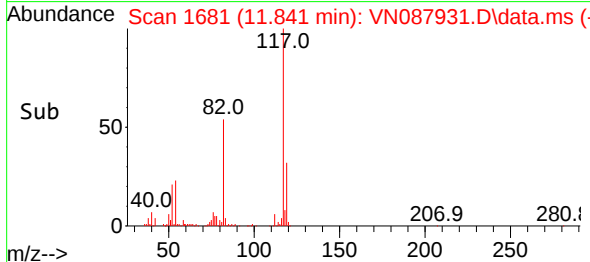
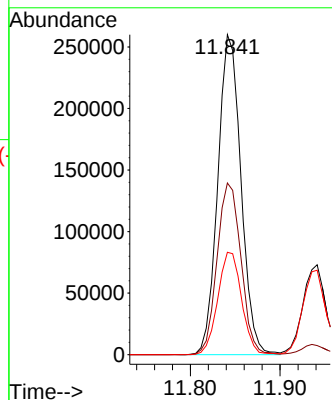
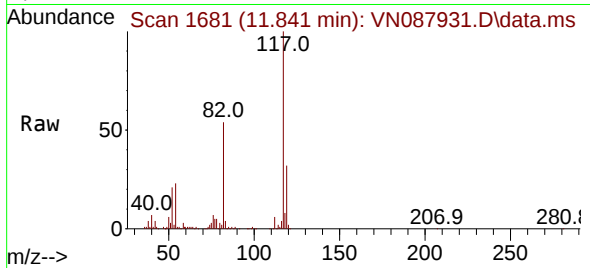




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

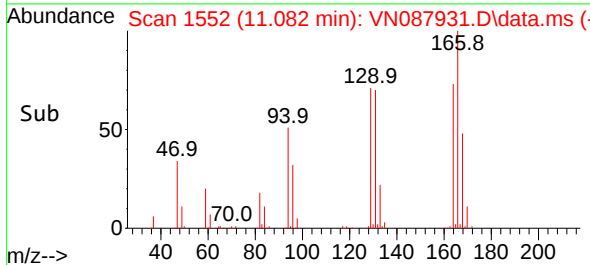
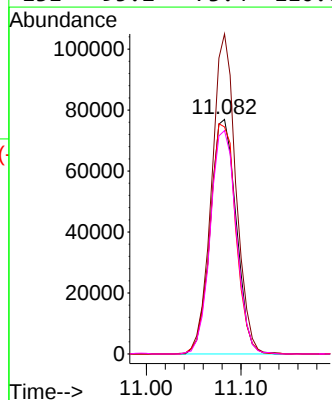
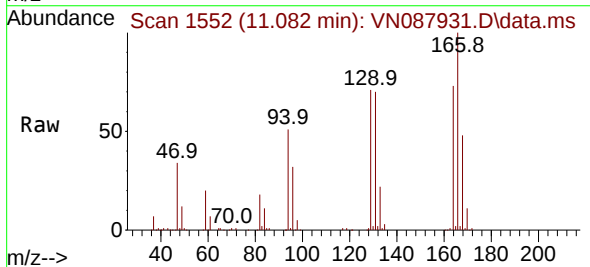
Instrument :  
MSVOA\_N  
ClientSampleId :

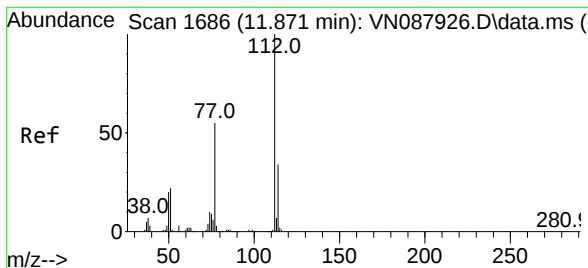
Tgt Ion:117 Resp: 466772  
Ion Ratio Lower Upper  
117 100  
82 53.7 47.0 70.4  
119 32.0 26.1 39.1



#64  
Tetrachloroethene  
Concen: 51.272 ug/l  
RT: 11.082 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion:164 Resp: 145781  
Ion Ratio Lower Upper  
164 100  
166 136.1 101.6 152.4  
129 96.8 77.5 116.3  
131 95.2 73.4 110.0





#65

Chlorobenzene

Concen: 52.168 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

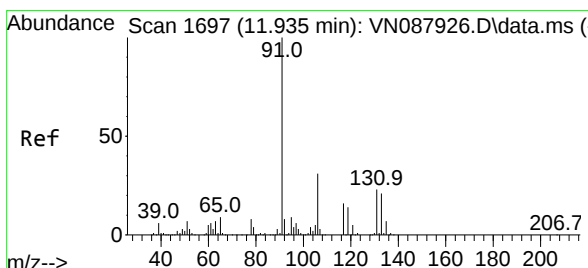
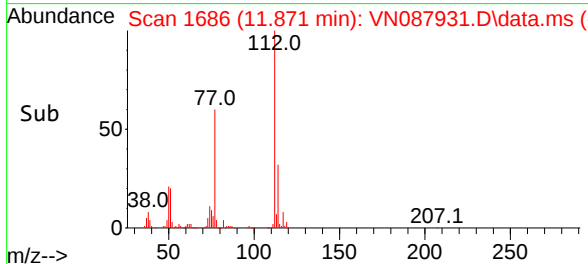
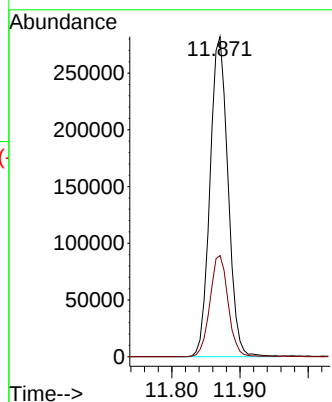
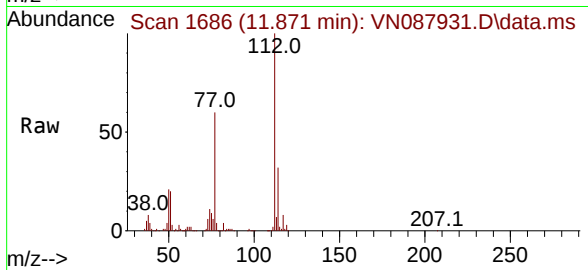
ClientSampleId :

Tgt Ion:112 Resp: 518200

Ion Ratio Lower Upper

112 100

114 31.6 27.2 40.8



#66

1,1,1,2-Tetrachloroethane

Concen: 52.557 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

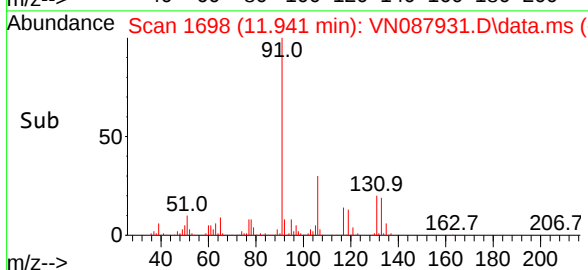
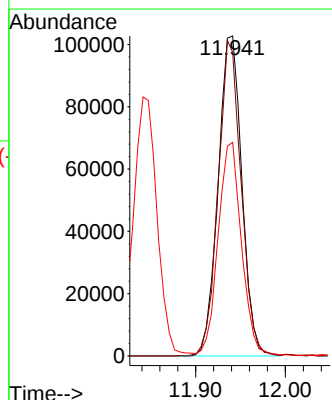
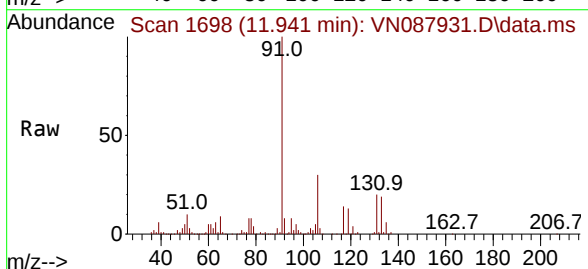
Tgt Ion:131 Resp: 188263

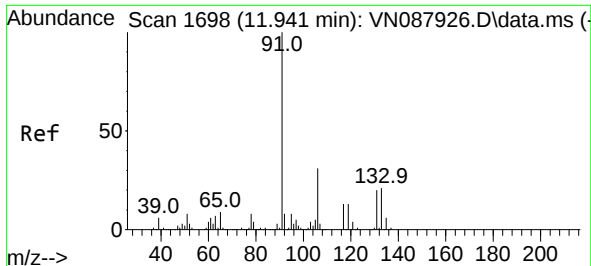
Ion Ratio Lower Upper

131 100

133 95.5 48.4 145.0

119 65.7 31.9 95.5

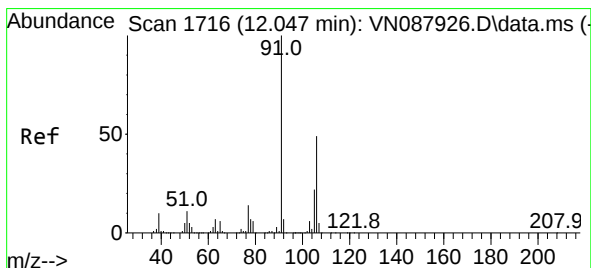
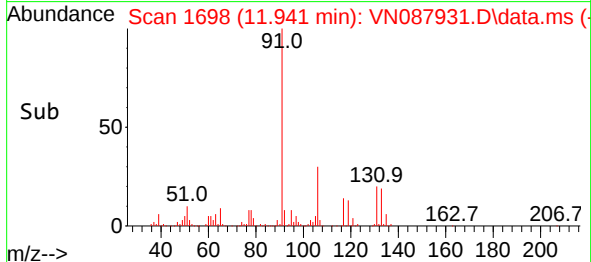
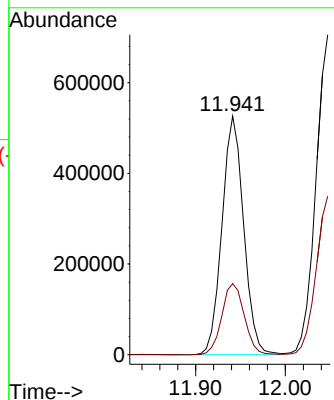
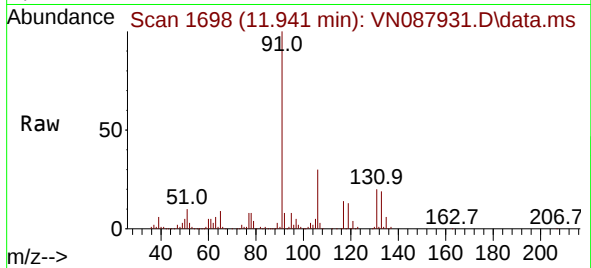




#67  
Ethyl Benzene  
Concen: 53.183 ug/l  
RT: 11.941 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

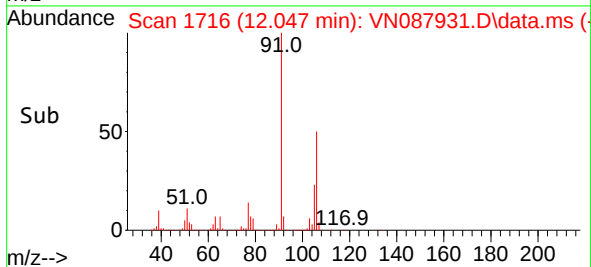
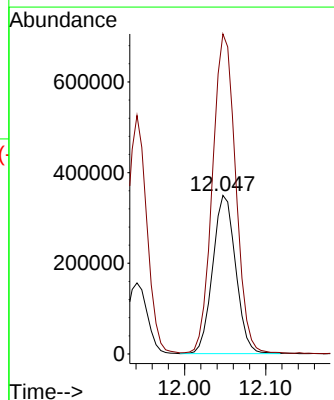
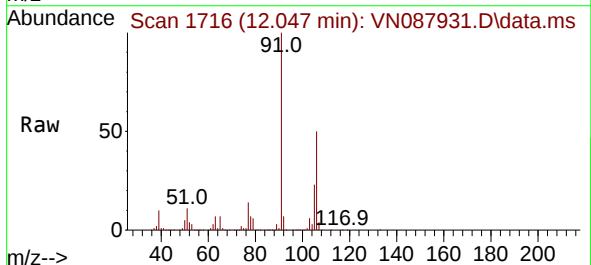
Instrument :  
MSVOA\_N  
ClientSampleId :

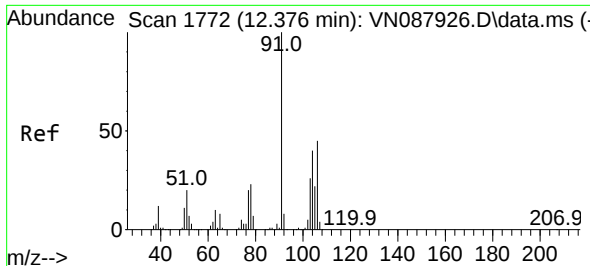
Tgt Ion: 91 Resp: 881499  
Ion Ratio Lower Upper  
91 100  
106 29.8 25.2 37.8



#68  
m/p-Xylenes  
Concen: 108.396 ug/l  
RT: 12.047 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 106 Resp: 687129  
Ion Ratio Lower Upper  
106 100  
91 203.9 162.9 244.3

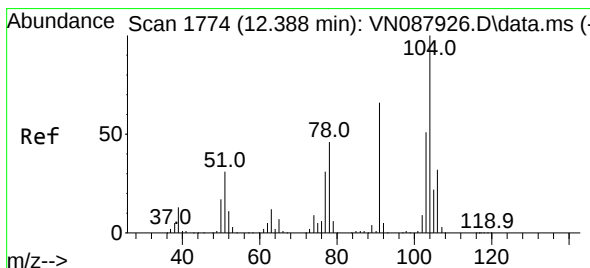
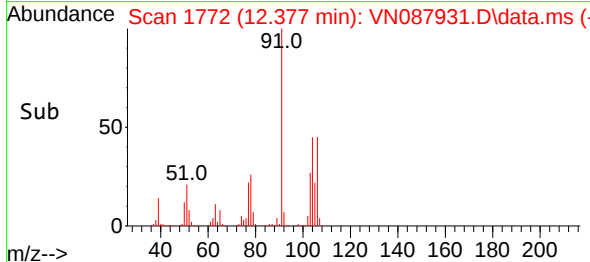
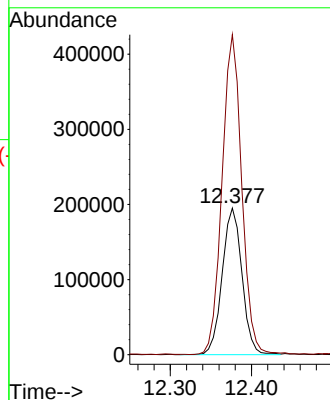
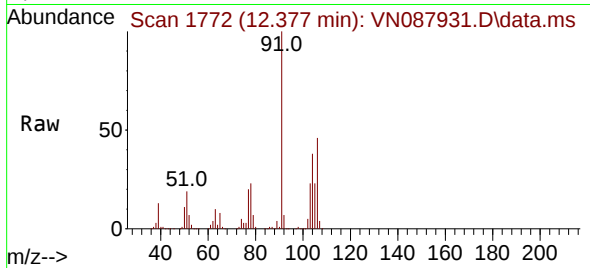




#69  
o-Xylene  
Concen: 54.342 ug/l  
RT: 12.377 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

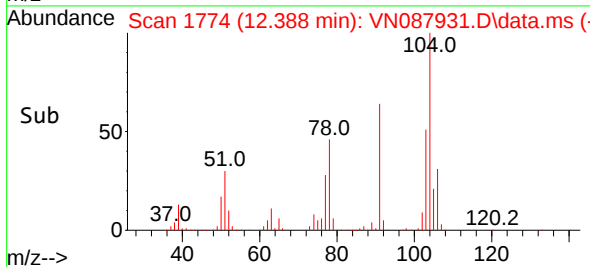
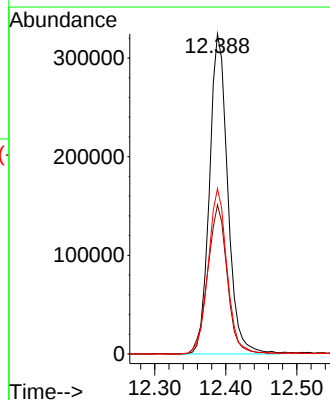
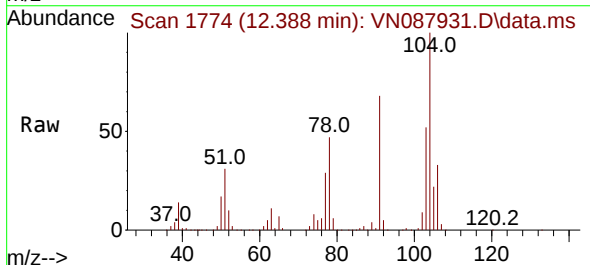
Instrument :  
MSVOA\_N  
ClientSampleId :

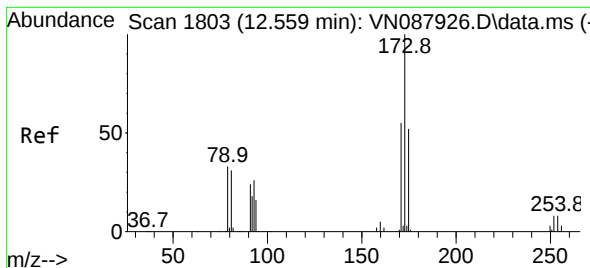
Tgt Ion:106 Resp: 330957  
Ion Ratio Lower Upper  
106 100  
91 217.1 108.2 324.6



#70  
Styrene  
Concen: 55.451 ug/l  
RT: 12.388 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion:104 Resp: 579999  
Ion Ratio Lower Upper  
104 100  
78 49.8 39.7 59.5  
103 53.6 44.6 67.0





#71

Bromoform

Concen: 53.524 ug/l

RT: 12.559 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

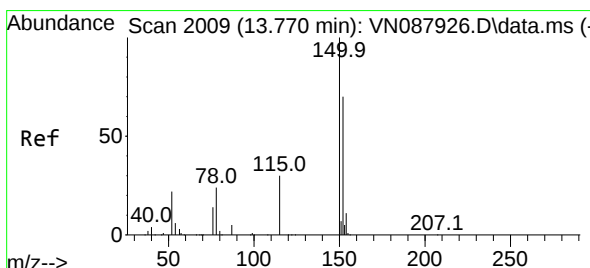
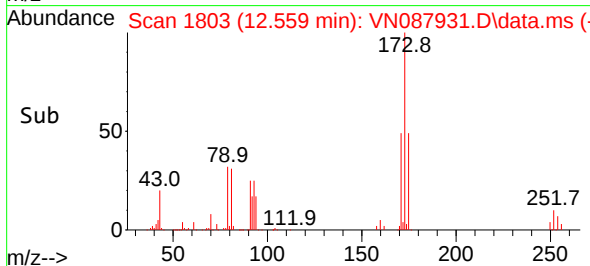
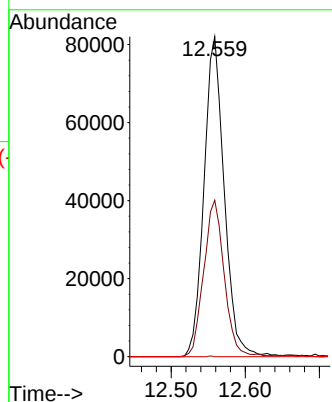
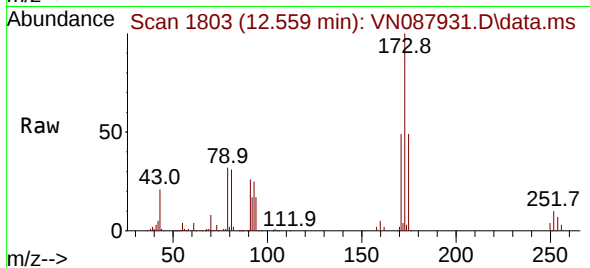
Tgt Ion:173 Resp: 155551

Ion Ratio Lower Upper

173 100

175 49.7 23.7 71.1

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

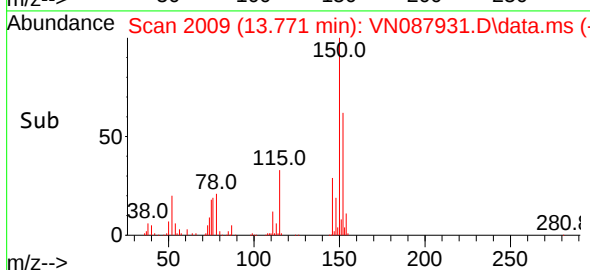
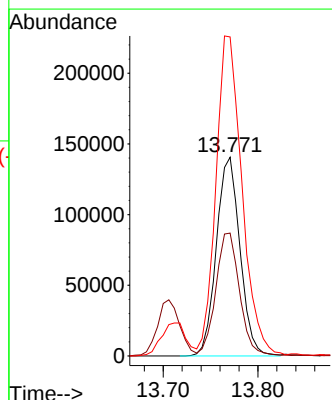
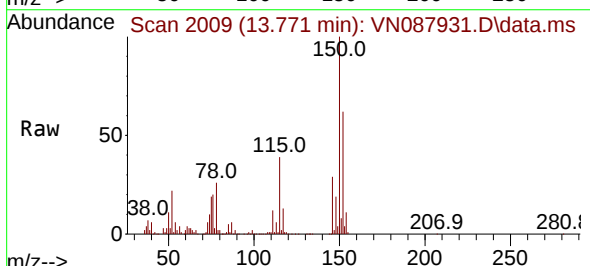
Tgt Ion:152 Resp: 243738

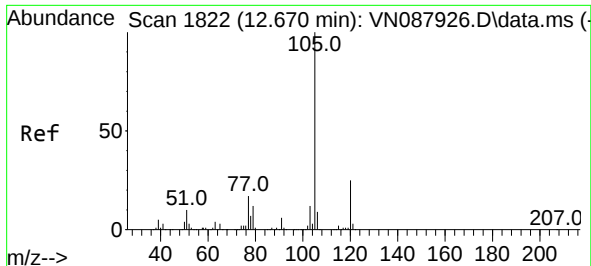
Ion Ratio Lower Upper

152 100

115 62.8 29.9 89.7

150 177.3 0.0 335.0

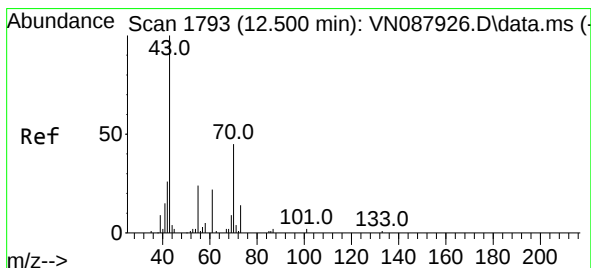
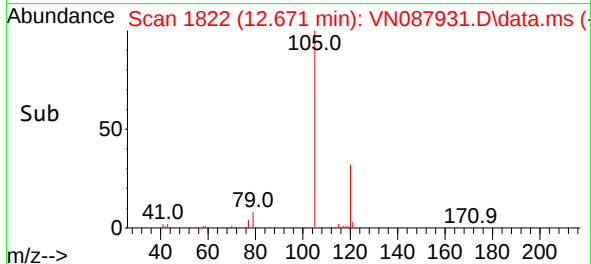
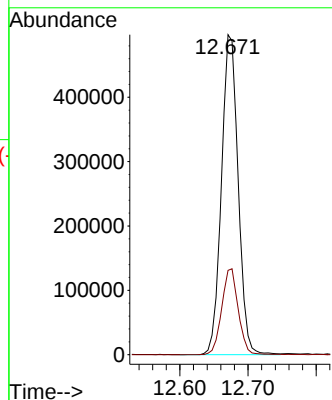
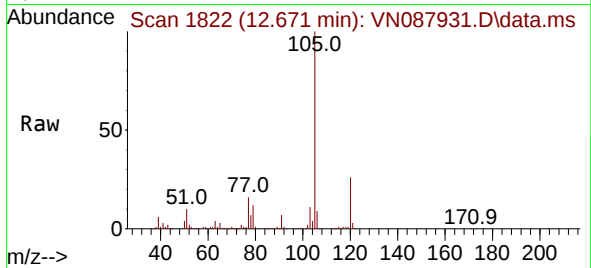




#73  
Isopropylbenzene  
Concen: 56.136 ug/l  
RT: 12.671 min Scan# 1822  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

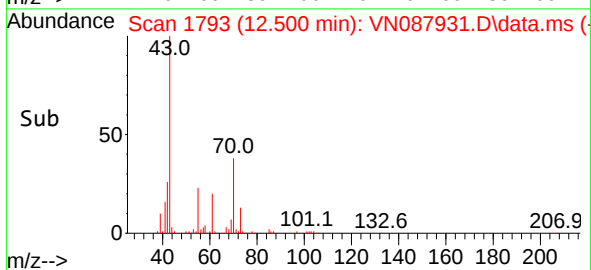
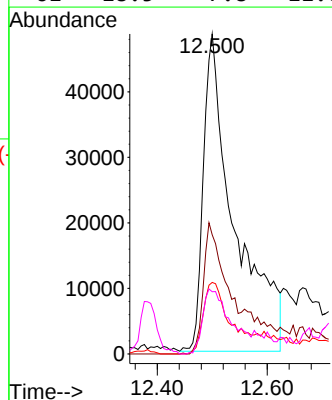
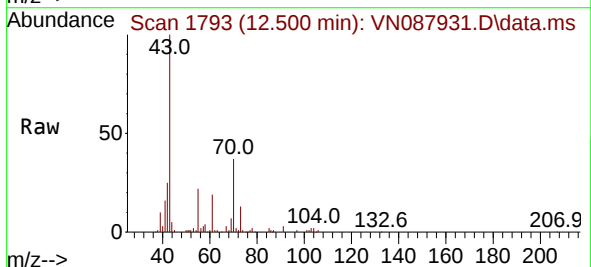
Instrument :  
MSVOA\_N  
ClientSampleId :

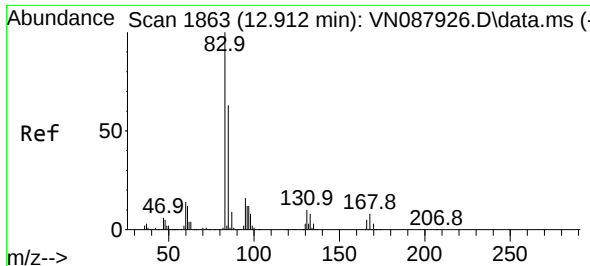
Tgt Ion:105 Resp: 848011  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 38.262 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 43 Resp: 190446  
Ion Ratio Lower Upper  
43 100  
70 30.3 19.8 29.8#  
55 19.8 9.6 14.4#  
61 18.5 7.8 11.6#

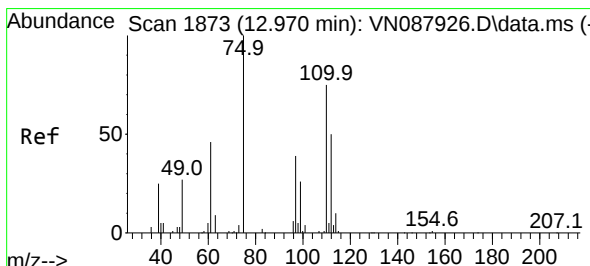
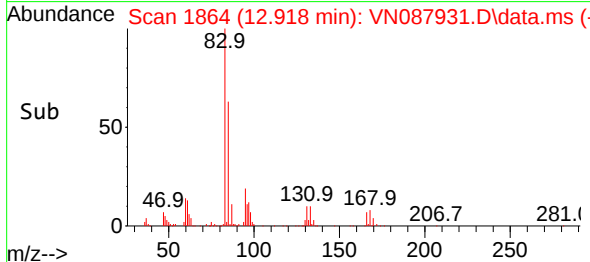
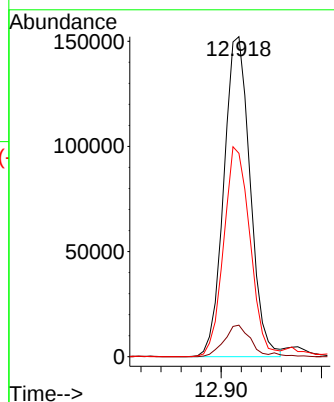
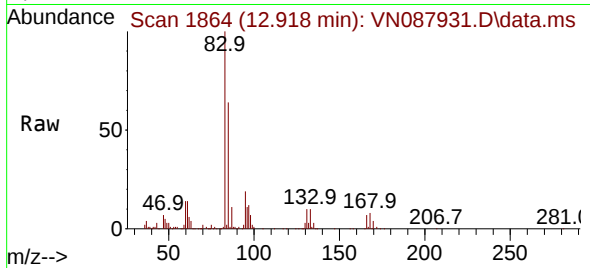




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 51.011 ug/l  
 RT: 12.918 min Scan# 1864  
 Delta R.T. 0.006 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

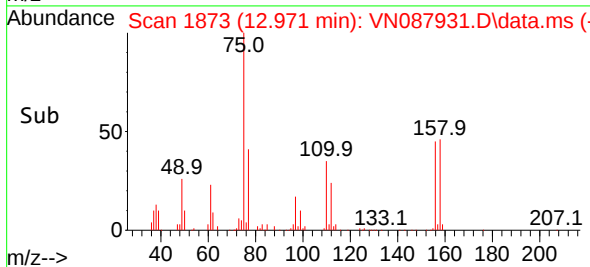
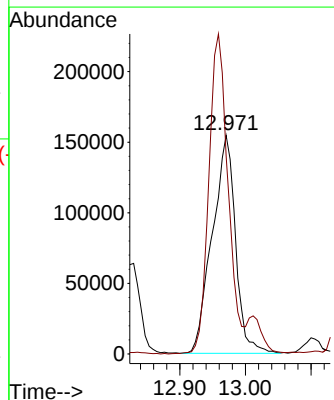
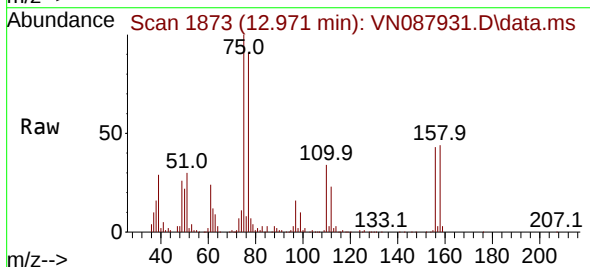
Instrument :  
 MSVOA\_N  
 ClientSampleId :

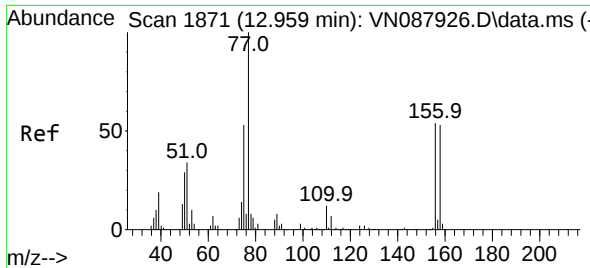
Tgt Ion: 83 Resp: 277645  
 Ion Ratio Lower Upper  
 83 100  
 131 10.2 5.2 15.6  
 85 65.7 32.4 97.0



#76  
 1,2,3-Trichloropropane  
 Concen: 78.993 ug/l  
 RT: 12.971 min Scan# 1873  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

Tgt Ion: 75 Resp: 379532  
 Ion Ratio Lower Upper  
 75 100  
 77 122.5 89.5 268.5

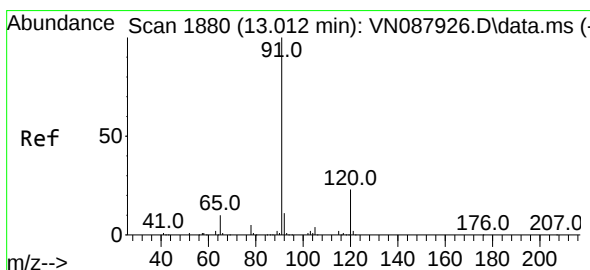
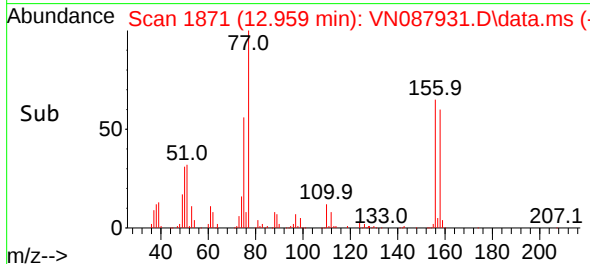
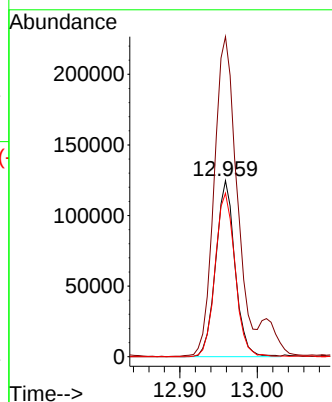
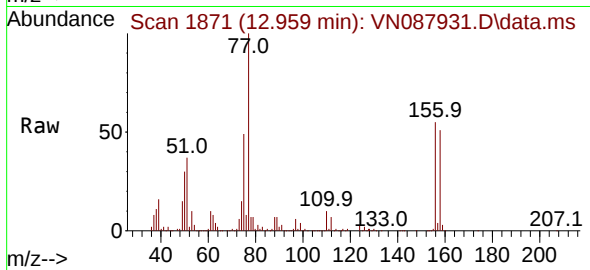




#77  
Bromobenzene  
Concen: 53.546 ug/l  
RT: 12.959 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

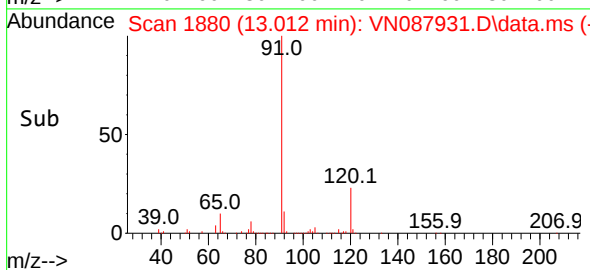
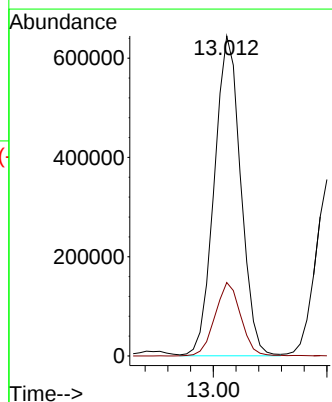
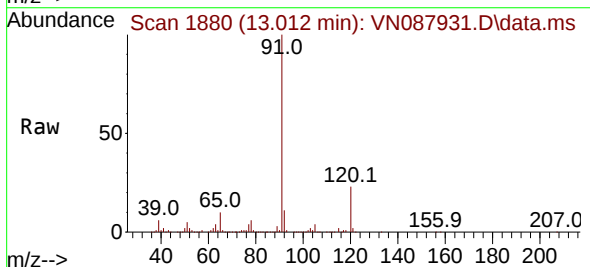
Instrument :  
MSVOA\_N  
ClientSampleId :

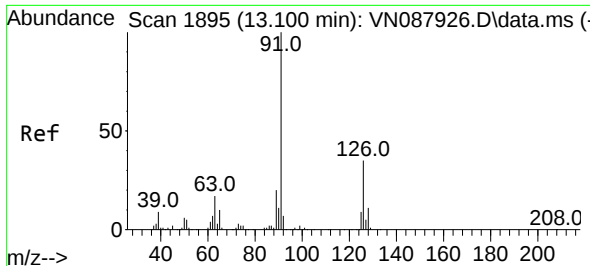
Tgt Ion:156 Resp: 215215  
Ion Ratio Lower Upper  
156 100  
77 216.0 108.2 324.6  
158 96.0 49.6 149.0



#78  
n-propylbenzene  
Concen: 55.165 ug/l  
RT: 13.012 min Scan# 1880  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 91 Resp: 1041885  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.1 33.1

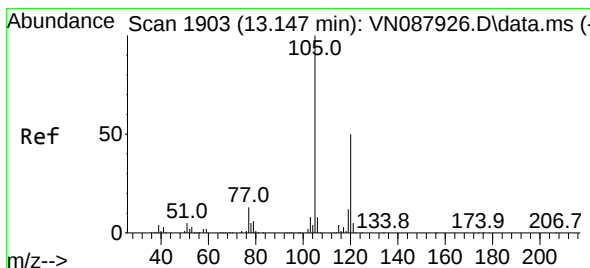
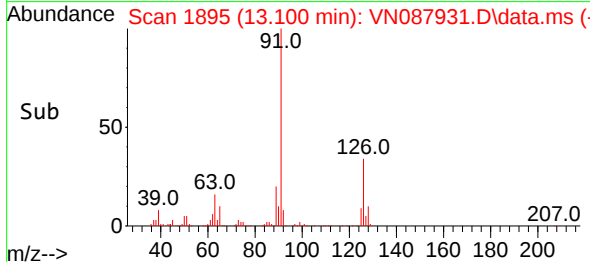
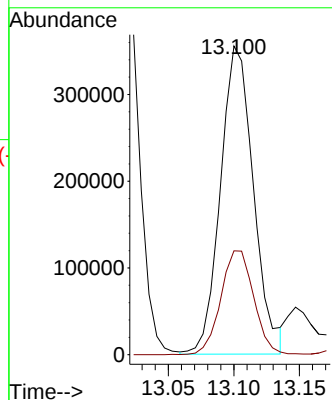
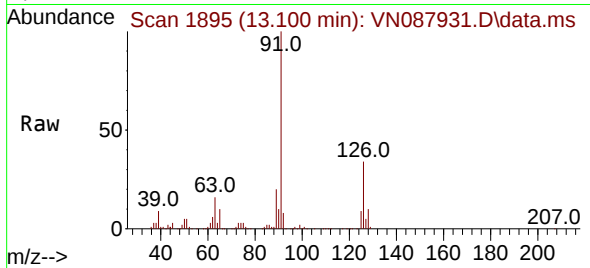




#79  
2-Chlorotoluene  
Concen: 54.089 ug/l  
RT: 13.100 min Scan# 1895  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

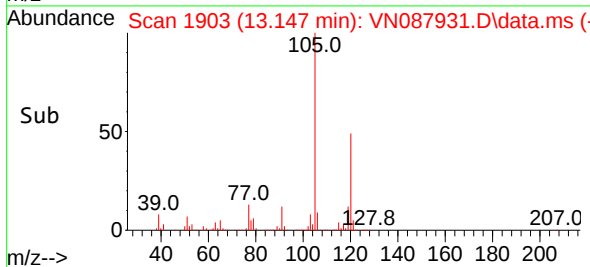
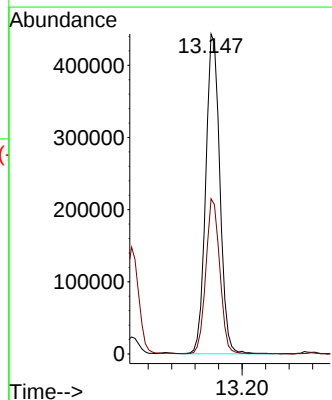
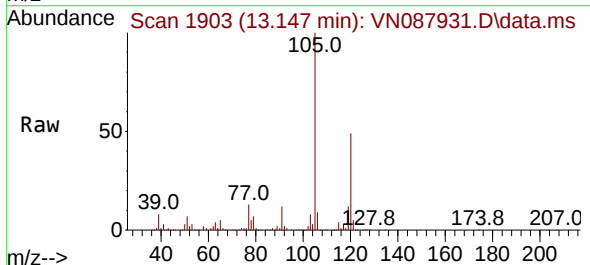
Instrument :  
MSVOA\_N  
ClientSampleId :

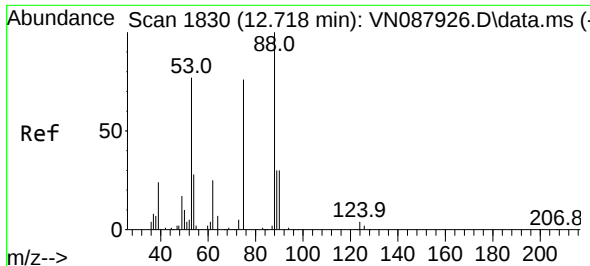
Tgt Ion: 91 Resp: 622023  
Ion Ratio Lower Upper  
91 100  
126 33.8 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 56.572 ug/l  
RT: 13.147 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VN087931.D  
Acq: 23 Sep 2025 15:08

Tgt Ion: 105 Resp: 739196  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.7 74.1

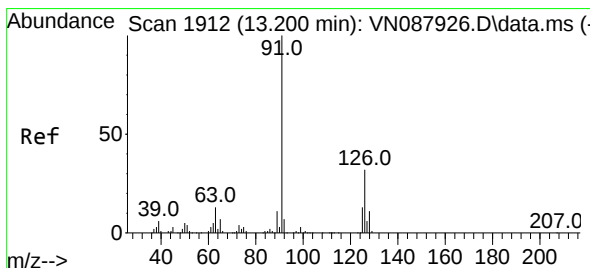
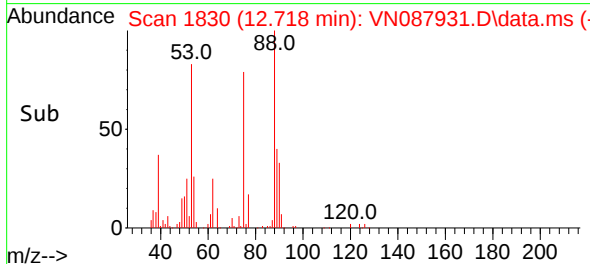
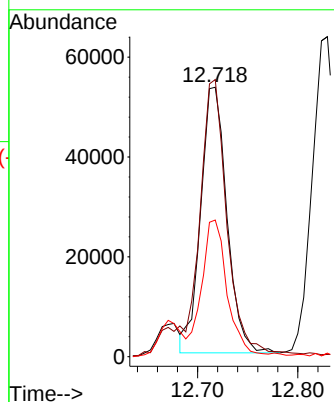
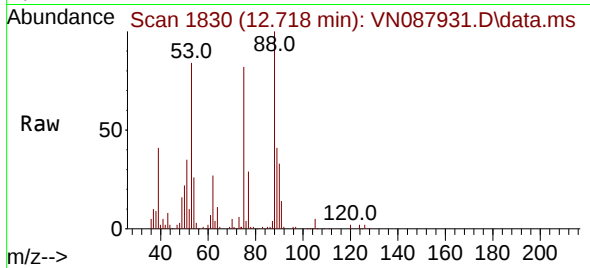




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 56.132 ug/l  
 RT: 12.718 min Scan# 1830  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

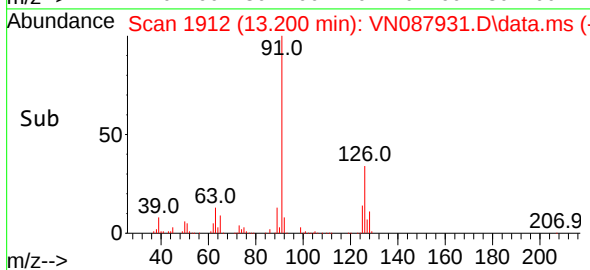
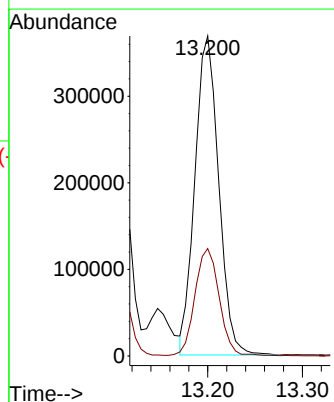
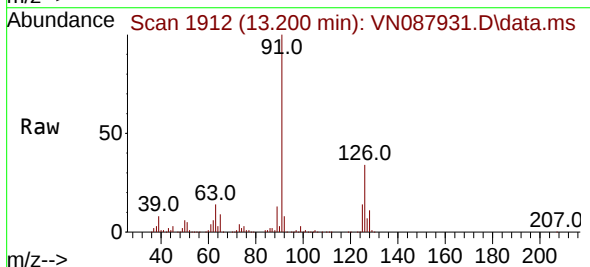
Instrument :  
 MSVOA\_N  
 ClientSampleId :

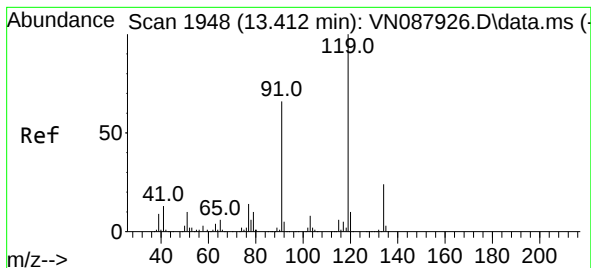
Tgt Ion: 75 Resp: 97122  
 Ion Ratio Lower Upper  
 75 100  
 53 107.2 82.0 123.0  
 89 48.3 36.1 54.1



#82  
 4-Chlorotoluene  
 Concen: 55.531 ug/l  
 RT: 13.200 min Scan# 1912  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

Tgt Ion: 91 Resp: 643471  
 Ion Ratio Lower Upper  
 91 100  
 126 34.3 16.9 50.6





#83

tert-Butylbenzene

Concen: 56.083 ug/l

RT: 13.418 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

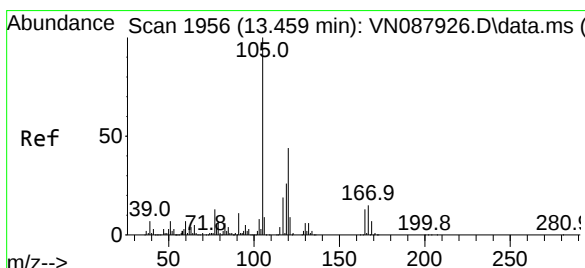
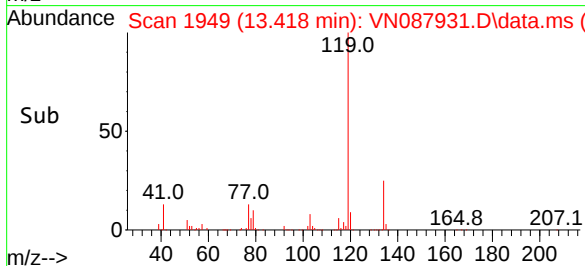
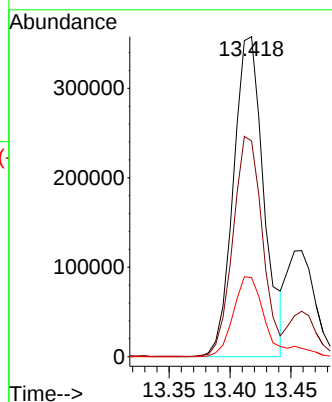
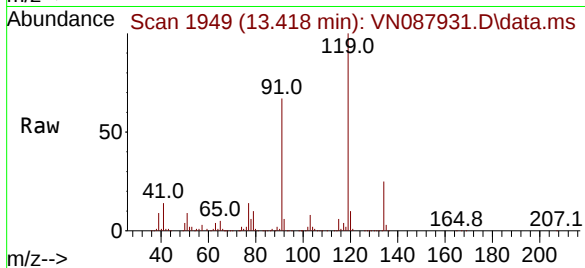
Tgt Ion:119 Resp: 620261

Ion Ratio Lower Upper

119 100

91 66.9 32.1 96.3

134 27.1 12.3 36.8



#84

1,2,4-Trimethylbenzene

Concen: 55.971 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN087931.D

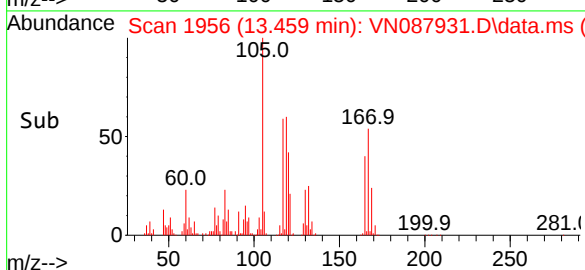
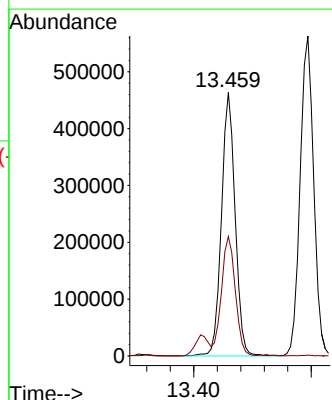
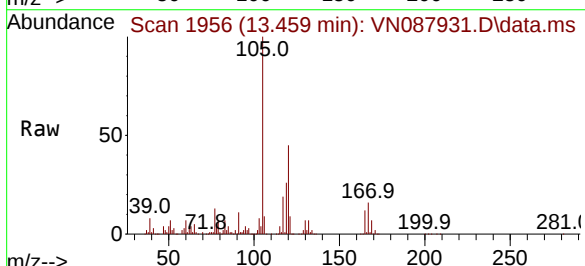
Acq: 23 Sep 2025 15:08

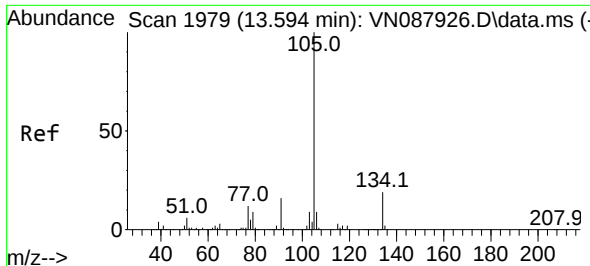
Tgt Ion:105 Resp: 750139

Ion Ratio Lower Upper

105 100

120 45.6 22.4 67.3

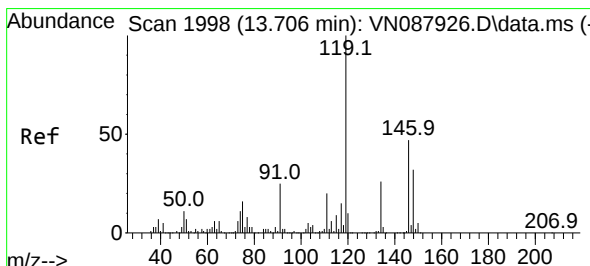
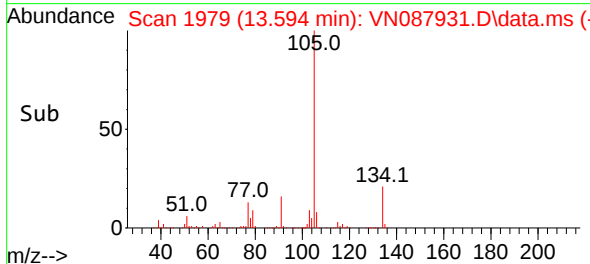
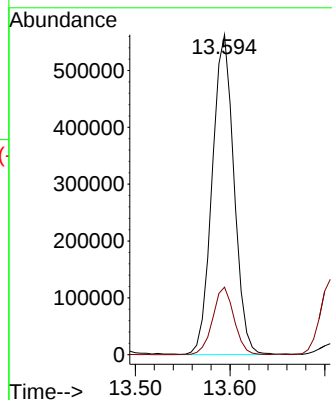
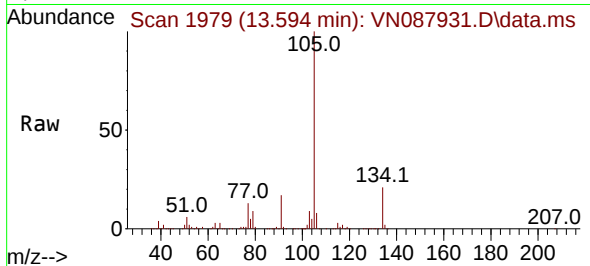




#85  
 sec-Butylbenzene  
 Concen: 55.512 ug/l  
 RT: 13.594 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

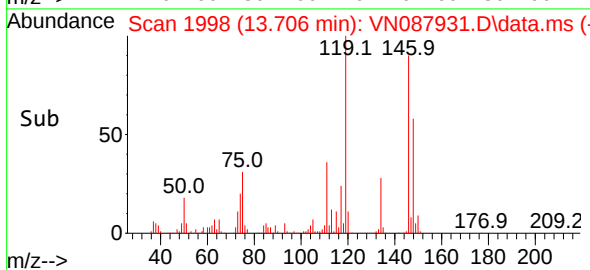
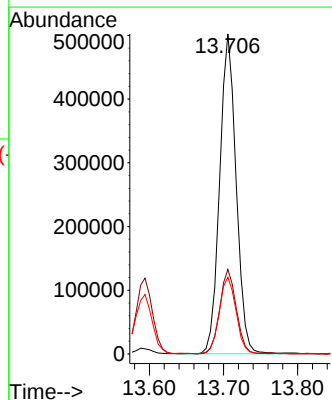
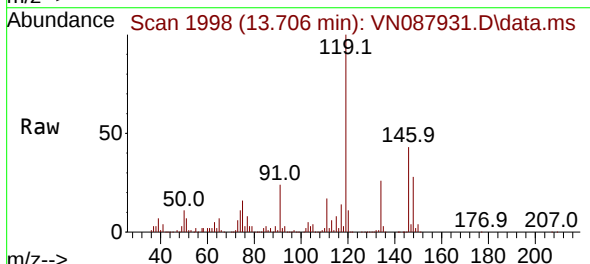
Instrument :  
 MSVOA\_N  
 ClientSampleId :

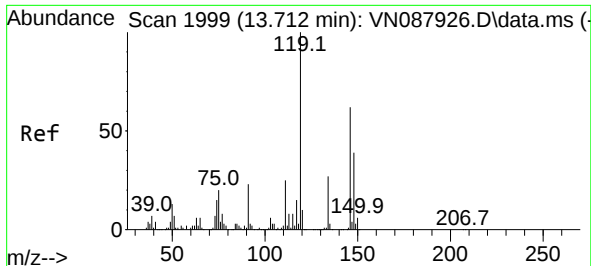
Tgt Ion:105 Resp: 900122  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 9.6 28.8



#86  
 p-Isopropyltoluene  
 Concen: 56.387 ug/l  
 RT: 13.706 min Scan# 1998  
 Delta R.T. 0.000 min  
 Lab File: VN087931.D  
 Acq: 23 Sep 2025 15:08

Tgt Ion:119 Resp: 774380  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.1 39.3  
 91 24.4 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 52.877 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

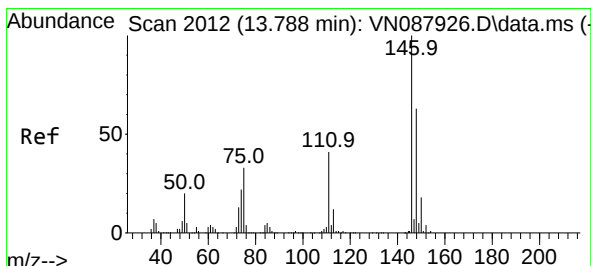
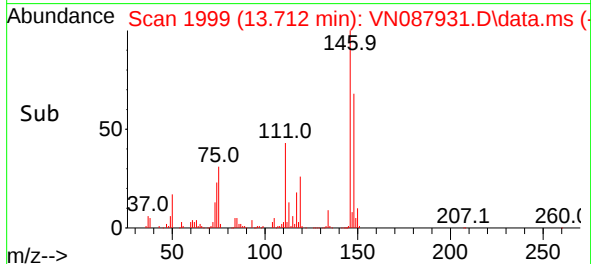
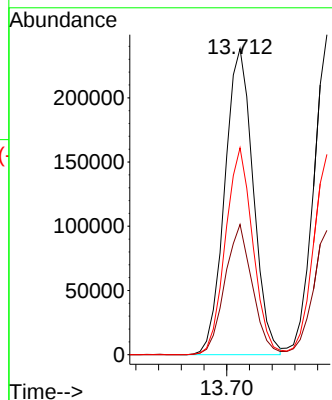
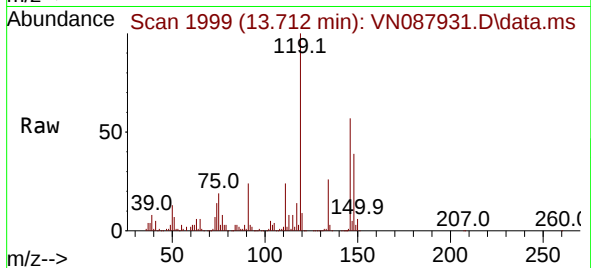
Tgt Ion:146 Resp: 414732

Ion Ratio Lower Upper

146 100

111 41.2 20.3 60.8

148 65.2 32.4 97.2



#88

1,4-Dichlorobenzene

Concen: 53.418 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

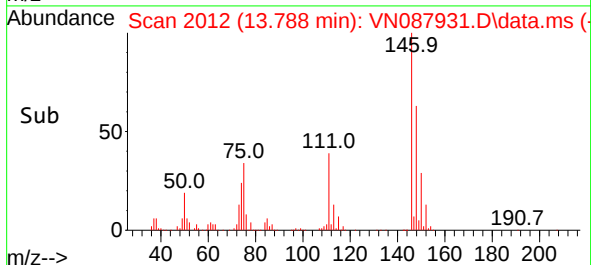
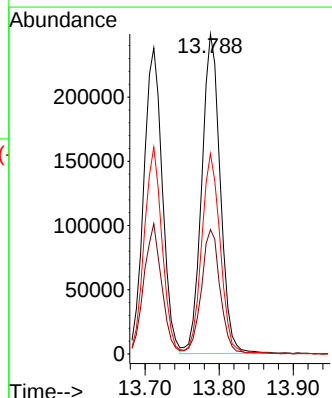
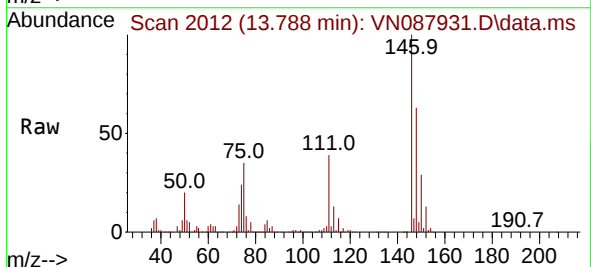
Tgt Ion:146 Resp: 430578

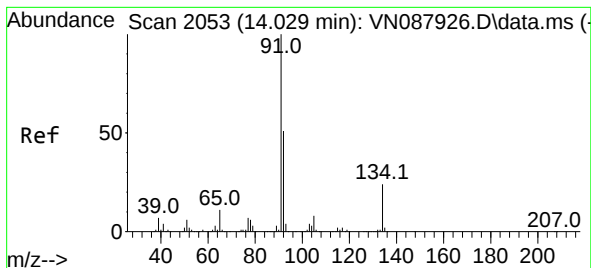
Ion Ratio Lower Upper

146 100

111 39.8 20.5 61.5

148 62.8 32.8 98.4





#89

n-Butylbenzene

Concen: 55.337 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

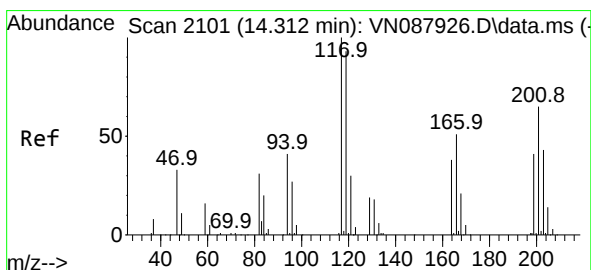
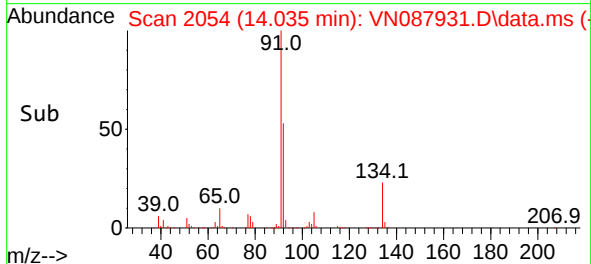
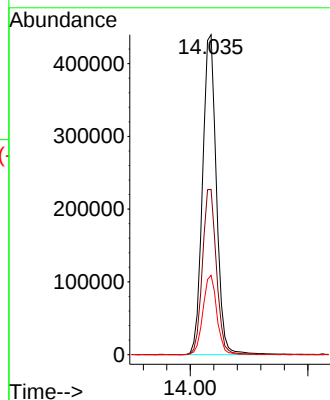
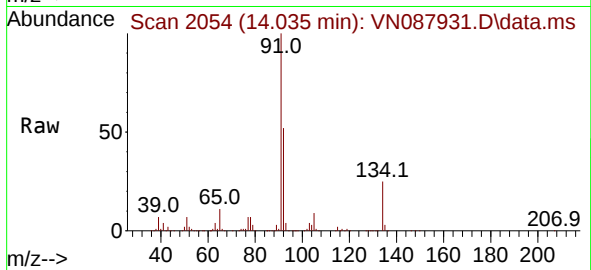
Tgt Ion: 91 Resp: 718201

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.8

134 24.8 12.6 37.8



#90

Hexachloroethane

Concen: 51.641 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. 0.000 min

Lab File: VN087931.D

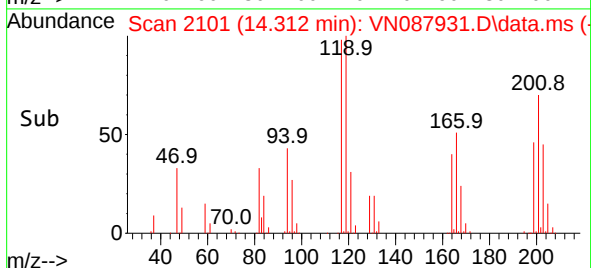
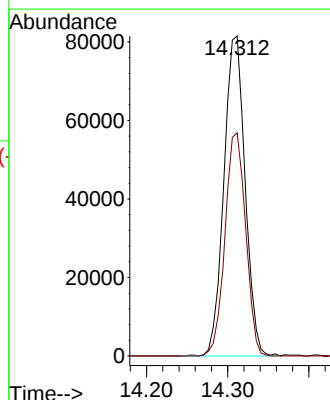
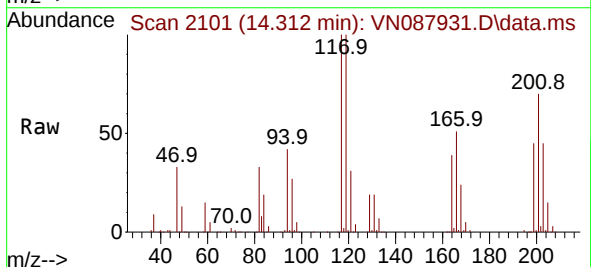
Acq: 23 Sep 2025 15:08

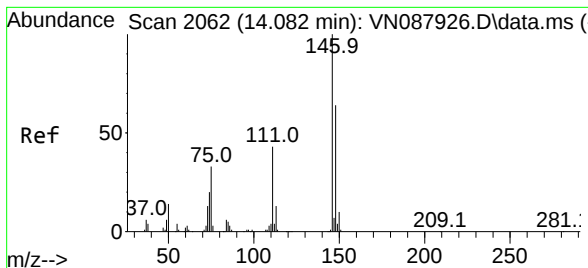
Tgt Ion: 117 Resp: 148145

Ion Ratio Lower Upper

117 100

201 67.8 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 54.018 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

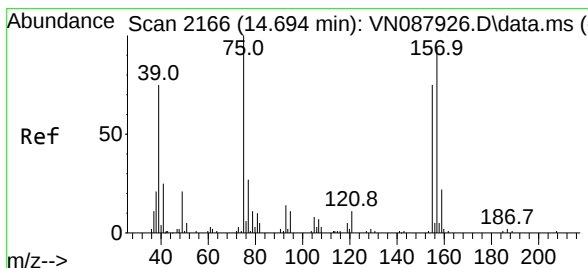
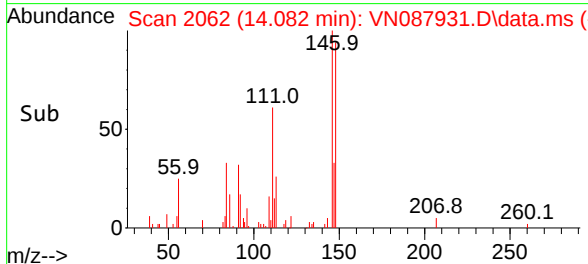
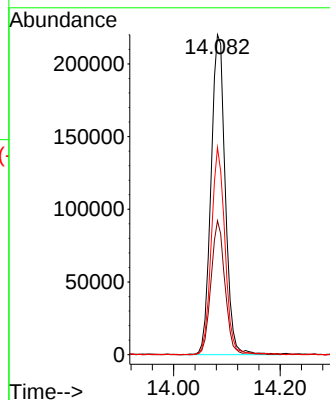
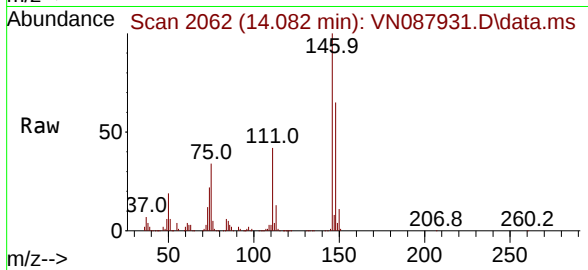
Tgt Ion:146 Resp: 408389

Ion Ratio Lower Upper

146 100

111 41.1 20.9 62.7

148 62.4 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.268 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

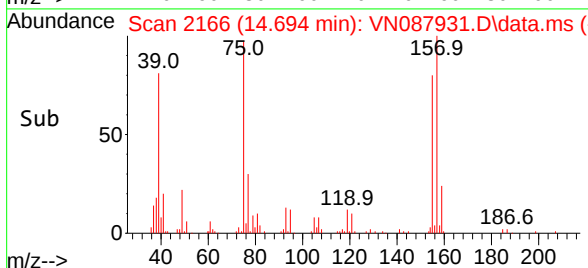
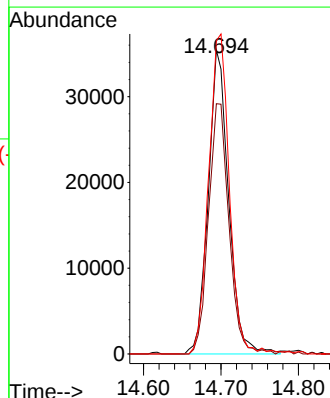
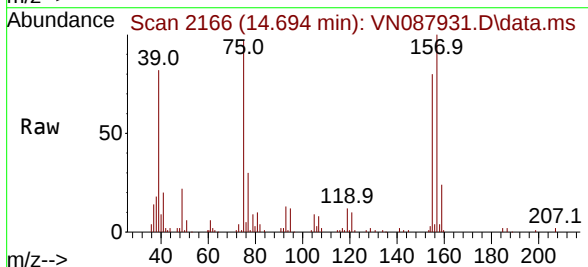
Tgt Ion: 75 Resp: 64838

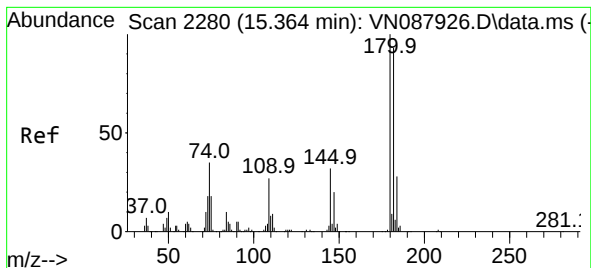
Ion Ratio Lower Upper

75 100

155 82.6 40.2 120.6

157 107.5 50.9 152.7





#93

1,2,4-Trichlorobenzene

Concen: 54.519 ug/l

RT: 15.365 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

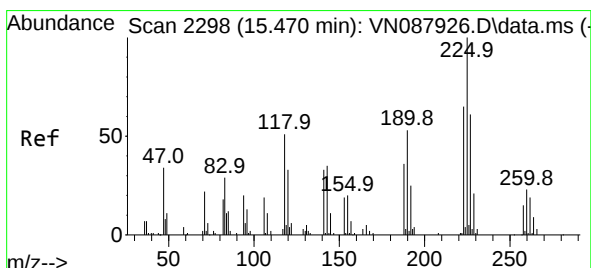
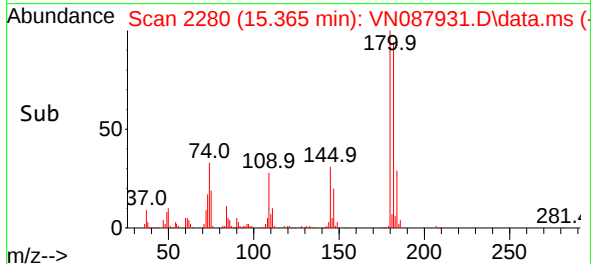
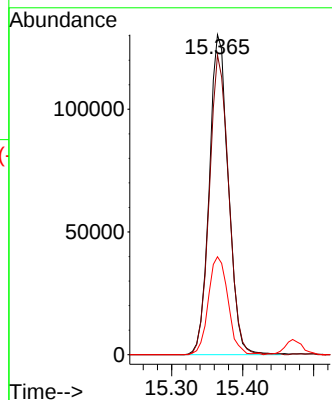
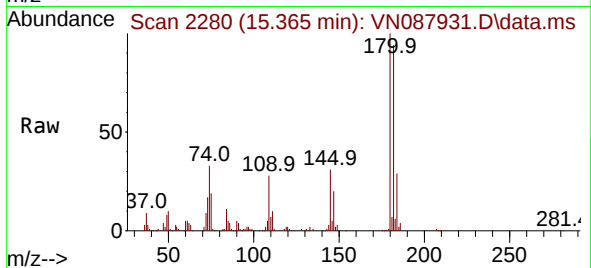
Tgt Ion:180 Resp: 243365

Ion Ratio Lower Upper

180 100

182 95.0 48.5 145.5

145 31.6 15.9 47.6



#94

Hexachlorobutadiene

Concen: 53.402 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

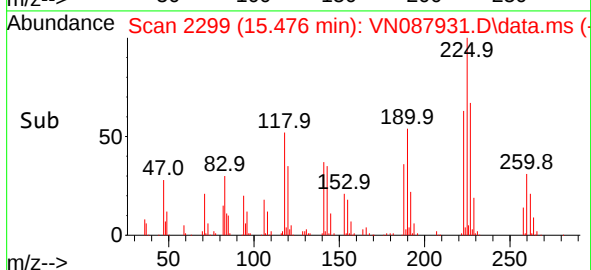
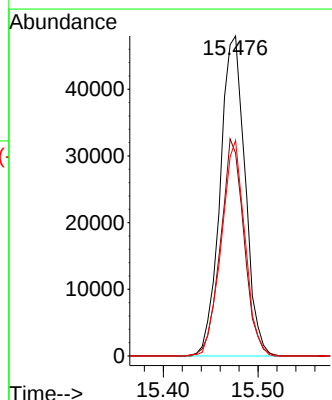
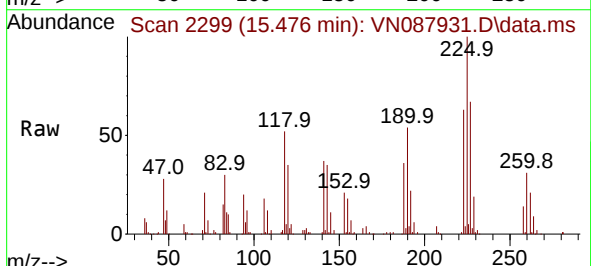
Tgt Ion:225 Resp: 87738

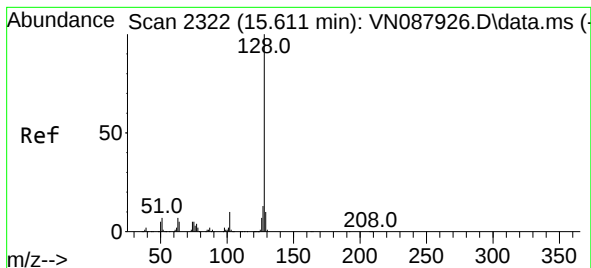
Ion Ratio Lower Upper

225 100

223 64.0 31.8 95.4

227 63.9 31.9 95.9





#95

Naphthalene

Concen: 56.013 ug/l

RT: 15.612 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Instrument :

MSVOA\_N

ClientSampleId :

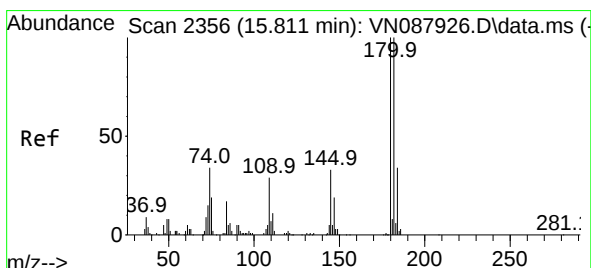
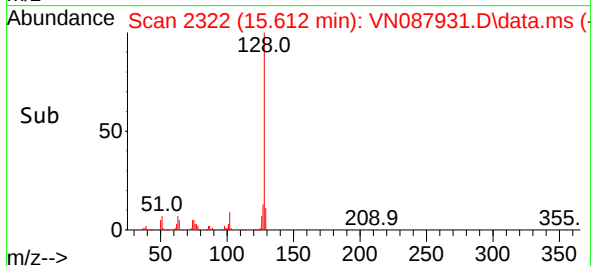
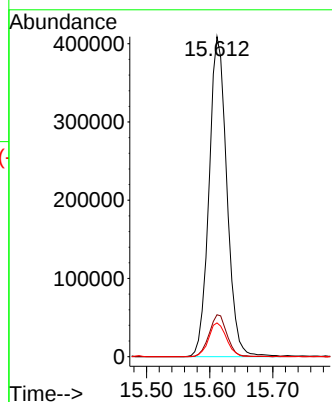
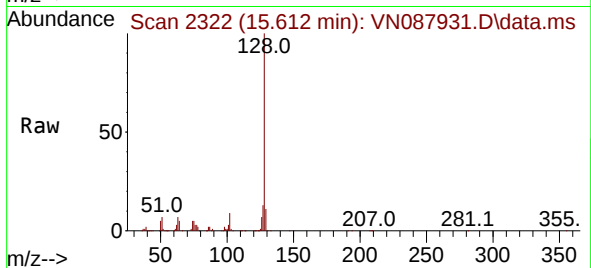
Tgt Ion:128 Resp: 802609

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 54.441 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087931.D

Acq: 23 Sep 2025 15:08

Tgt Ion:180 Resp: 236254

Ion Ratio Lower Upper

180 100

182 95.6 47.3 142.0

145 33.3 16.1 48.3

