

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121523\  
 Data File : VN080505.D  
 Acq On : 15 Dec 2023 15:59  
 Operator : JC\MD  
 Sample : VN1215WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 16 02:54:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 13 01:57:14 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 291201   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 465707   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 412321   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 194985   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 189170   | 50.862   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 101.720% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 145640   | 49.323   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 98.640%  |      |
| 50) Toluene-d8              | 10.571 | 98    | 544107   | 49.409   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.820%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 203138   | 48.578   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 97.160%  |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 54734  | 14.708  | ug/l   | 98  |
| 3) Chloromethane             | 2.360 | 50  | 56694  | 14.275  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.512 | 62  | 43726  | 13.759  | ug/l   | 97  |
| 5) Bromomethane              | 2.959 | 94  | 22015  | 15.365  | ug/l   | 95  |
| 6) Chloroethane              | 3.118 | 64  | 29380  | 14.387  | ug/l   | 94  |
| 7) Trichlorofluoromethane    | 3.501 | 101 | 102837 | 15.954  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.959 | 74  | 34370  | 16.928  | ug/l   | 93  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 49987  | 16.361  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.589 | 142 | 38432  | 14.301  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 37546  | 85.715  | ug/l   | 96  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 48935  | 15.632  | ug/l   | 88  |
| 13) Acrolein                 | 4.171 | 56  | 42304  | 88.187  | ug/l   | 98  |
| 14) Allyl chloride           | 5.018 | 41  | 60531  | 15.628  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.718 | 53  | 108992 | 88.061  | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 74748  | 113.345 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.712 | 76  | 124717 | 14.058  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.024 | 43  | 79414  | 18.715  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.795 | 73  | 180114 | 17.245  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.271 | 84  | 57087  | 16.175  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.789 | 96  | 55647  | 16.394  | ug/l # | 83  |
| 22) Diisopropyl ether        | 6.671 | 45  | 146467 | 17.521  | ug/l   | 90  |
| 23) Vinyl Acetate            | 6.600 | 43  | 395949 | 82.470  | ug/l   | 93  |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 99660  | 17.087  | ug/l   | 99  |
| 25) 2-Butanone               | 7.483 | 43  | 123380 | 97.117  | ug/l   | 92  |
| 26) 2,2-Dichloropropane      | 7.489 | 77  | 97954  | 16.424  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.489 | 96  | 64137  | 16.693  | ug/l   | 89  |
| 28) Bromochloromethane       | 7.812 | 49  | 45503  | 20.320  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.836 | 42  | 80948  | 88.980  | ug/l   | 94  |
| 30) Chloroform               | 7.965 | 83  | 111305 | 17.193  | ug/l   | 94  |
| 31) Cyclohexane              | 8.259 | 56  | 79587  | 15.735  | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 106235 | 16.760  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 79613  | 16.490  | ug/l   | 95  |
| 37) Ethyl Acetate            | 7.559 | 43  | 54842  | 18.140  | ug/l   | 96  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 94237  | 16.335  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.600 | 83  | 76950  | 15.342  | ug/l   | 93  |
| 40) Benzene                  | 8.606 | 78  | 232079 | 16.647  | ug/l   | 99  |

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 Sample : VN1215WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 16 02:54:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 13 01:57:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 30722    | 17.626  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 90197    | 17.471  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 95931    | 17.648  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 60277    | 16.038  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 57670    | 17.612  | ug/l   | 98       |
| 46) Dibromomethane            | 9.712  | 93   | 40849    | 17.372  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.888  | 83   | 86700    | 17.203  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.683  | 41   | 53784    | 16.580  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 16699    | 339.623 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 274812   | 91.794  | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 150561   | 17.095  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 94399    | 17.312  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 99556    | 17.082  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 56111    | 17.706  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 62127    | 17.707  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 97909    | 17.624  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 197315   | 89.082  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 200844   | 90.873  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 64546    | 17.188  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 56660    | 17.275  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 52339    | 16.441  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 155452   | 16.948  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 60250    | 16.741  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.965 | 91   | 300646   | 17.826  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 217706   | 34.933  | ug/l   | 91       |
| 69) o-Xylene                  | 12.400 | 106  | 106144   | 17.413  | ug/l   | 91       |
| 70) Styrene                   | 12.412 | 104  | 151422   | 17.245  | ug/l   | 93       |
| 71) Bromoform                 | 12.576 | 173  | 44011    | 16.769  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 271498   | 17.333  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 76275    | 16.675  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 71431    | 17.018  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 100713   | 25.891  | ug/l   | 77       |
| 77) Bromobenzene              | 12.982 | 156  | 66142    | 17.165  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 298184   | 17.266  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 193455   | 17.158  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 239968   | 17.788  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 23987    | 16.191  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 196706   | 16.973  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 184974   | 16.743  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 246312   | 18.353  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 240569   | 17.022  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 222101   | 17.405  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 112494   | 16.570  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 114126   | 16.653  | ug/l   | 96       |
| 89) n-Butylbenzene            | 14.059 | 91   | 184091   | 17.275  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 33635    | 16.597  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 109567   | 16.996  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 16819    | 19.051  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 66893    | 18.689  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 30361    | 14.900  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 938970   | 86.390  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 61273    | 17.740  | ug/l   | 97       |

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Operator : JC\MD  
Sample : VN1215WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

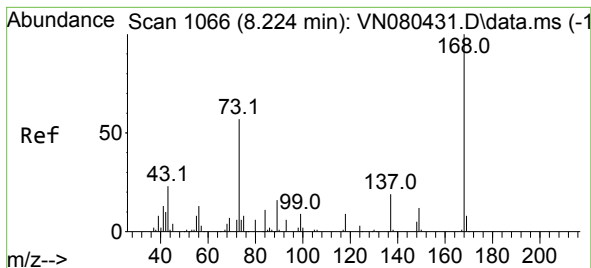
Quant Time: Dec 16 02:54:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 13 01:57:14 2023  
Response via : Initial Calibration

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

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

Quant Time: Dec 16 02:54:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121223W.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 13 01:57:14 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

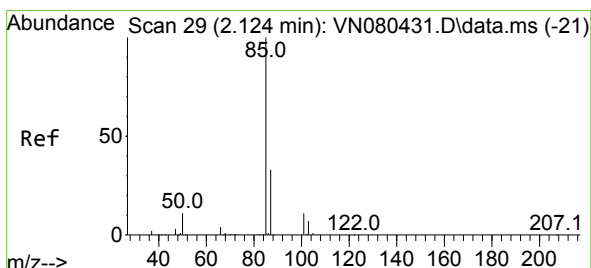
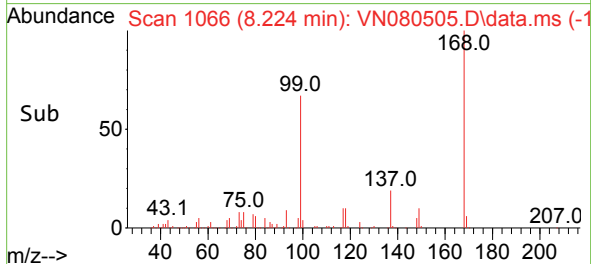
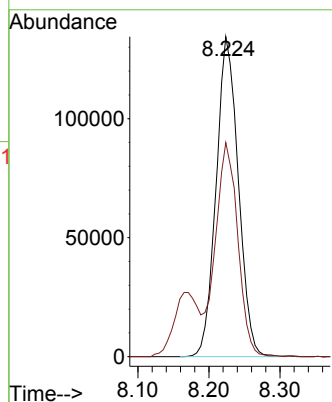
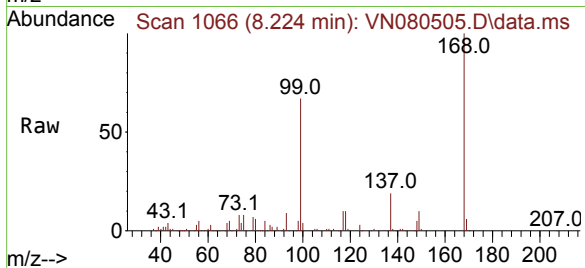
ClientSampleId :

Tgt Ion:168 Resp: 291201

Ion Ratio Lower Upper

168 100

99 66.8 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 14.708 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN080505.D

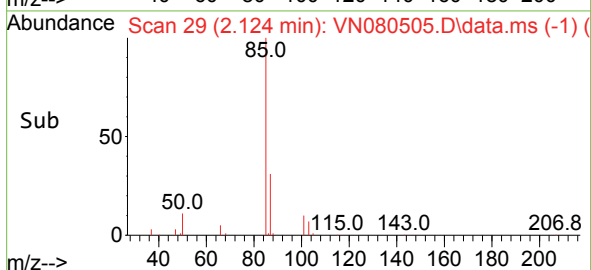
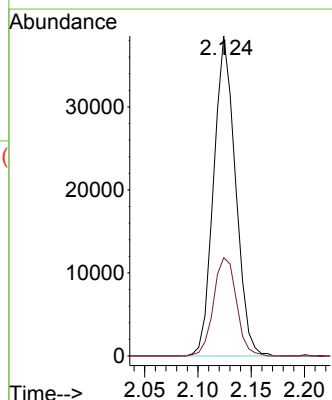
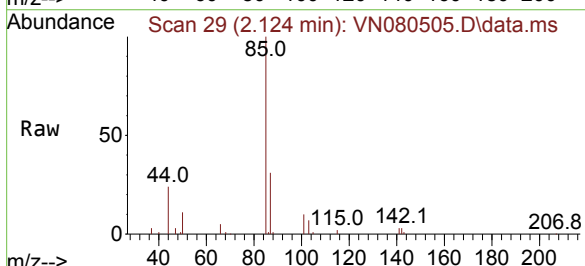
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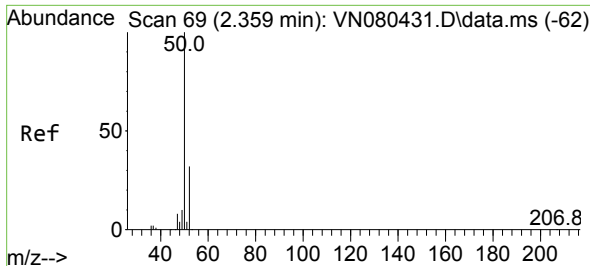
Tgt Ion: 85 Resp: 54734

Ion Ratio Lower Upper

85 100

87 30.7 15.8 47.4

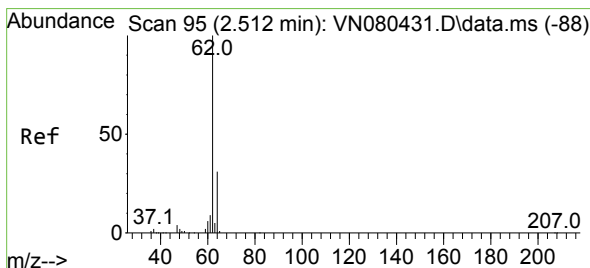
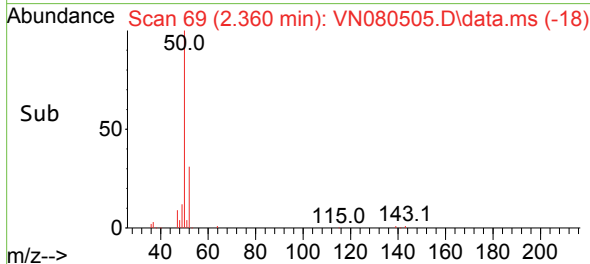
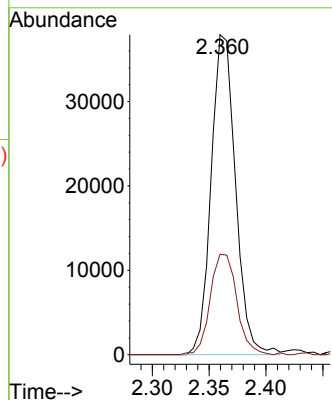
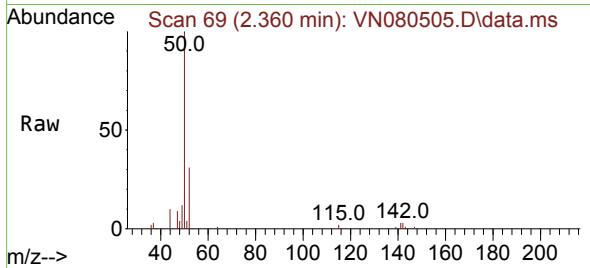




#3  
Chloromethane  
Concen: 14.275 ug/l  
RT: 2.360 min Scan# 69  
Delta R.T. 0.001 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

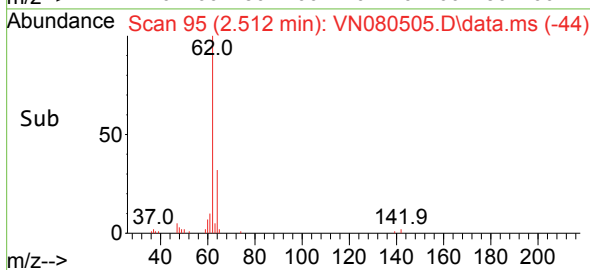
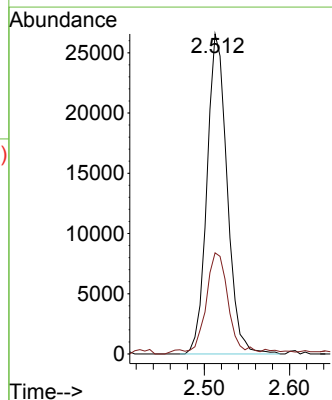
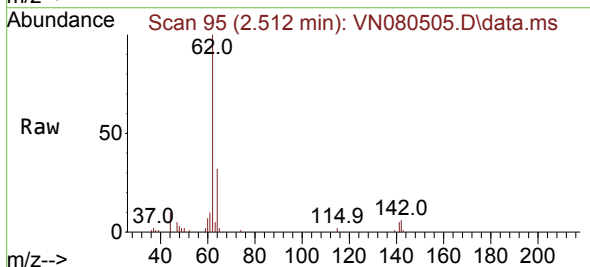
Instrument :  
MSVOA\_N  
ClientSampleId :

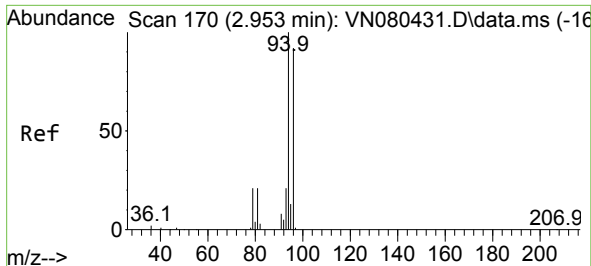
Tgt Ion: 50 Resp: 56694  
Ion Ratio Lower Upper  
50 100  
52 31.4 26.5 39.7



#4  
Vinyl Chloride  
Concen: 13.759 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 62 Resp: 43726  
Ion Ratio Lower Upper  
62 100  
64 30.8 26.2 39.2

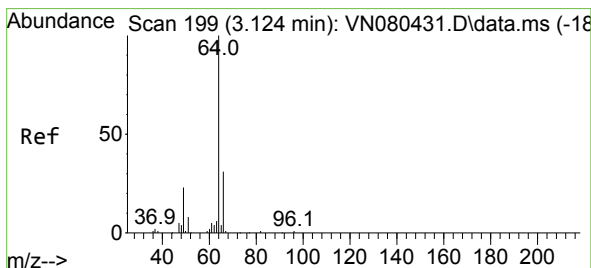
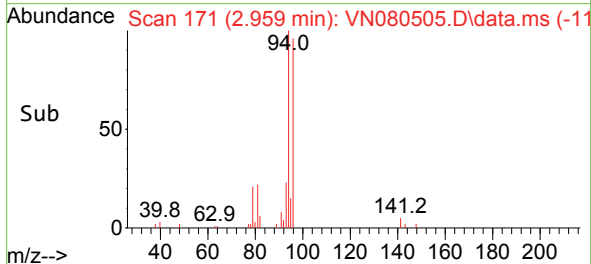
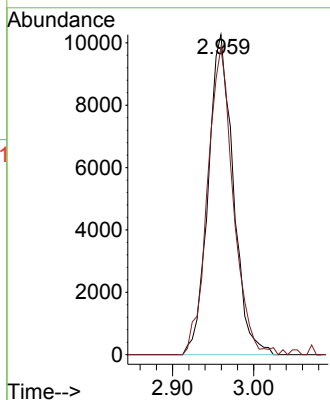
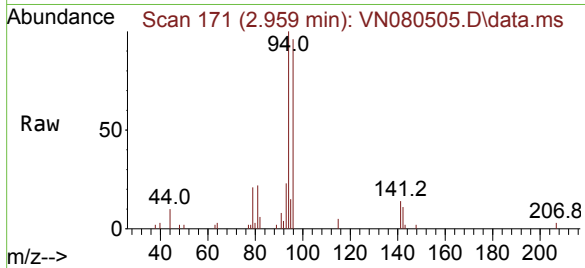




#5  
Bromomethane  
Concen: 15.365 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

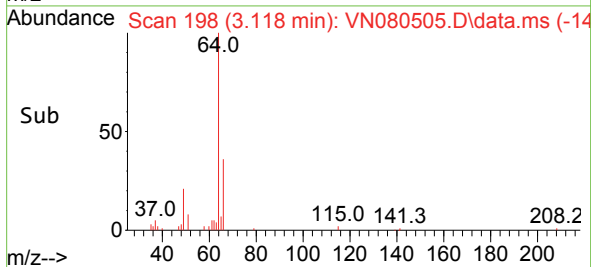
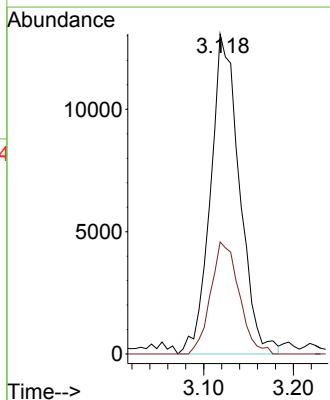
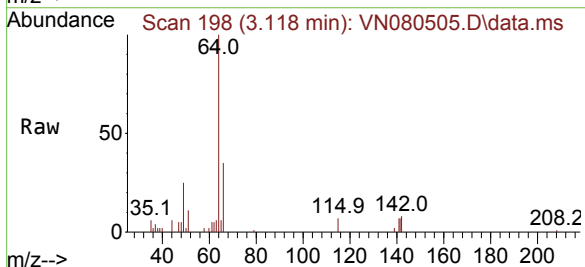
Instrument :  
MSVOA\_N  
ClientSampleId :

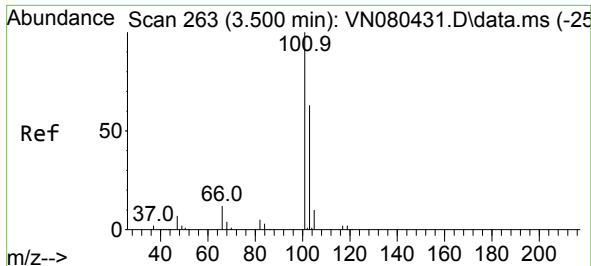
Tgt Ion: 94 Resp: 22015  
Ion Ratio Lower Upper  
94 100  
96 96.0 73.1 109.7



#6  
Chloroethane  
Concen: 14.387 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. -0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 64 Resp: 29380  
Ion Ratio Lower Upper  
64 100  
66 35.0 25.4 38.2

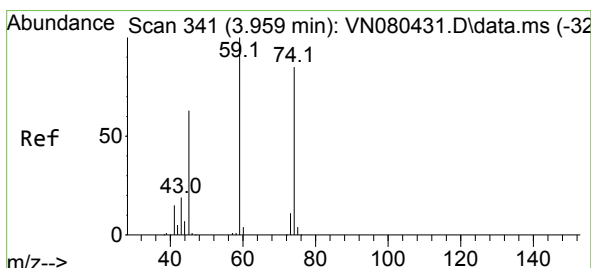
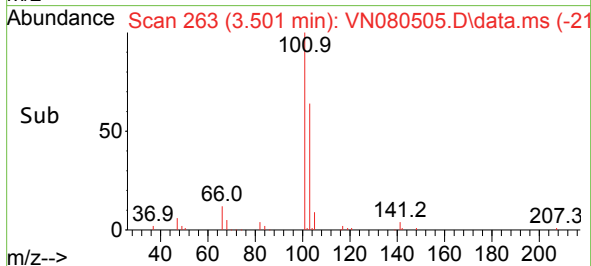
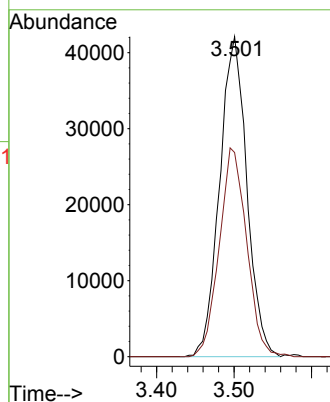
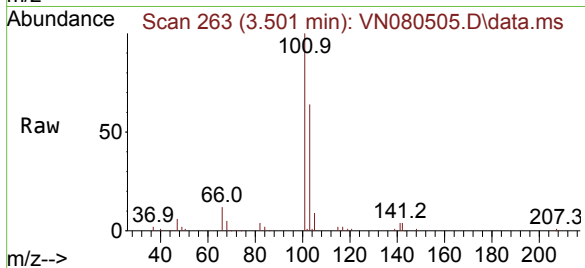




#7  
 Trichlorofluoromethane  
 Concen: 15.954 ug/l  
 RT: 3.501 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

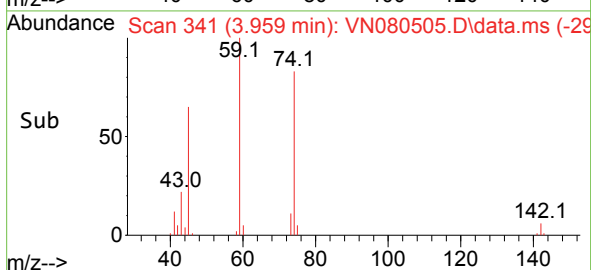
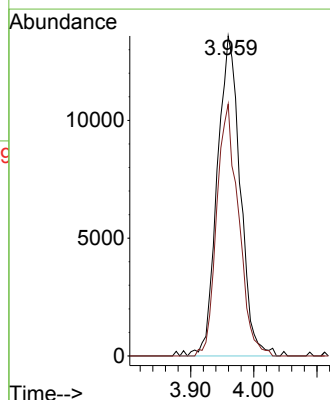
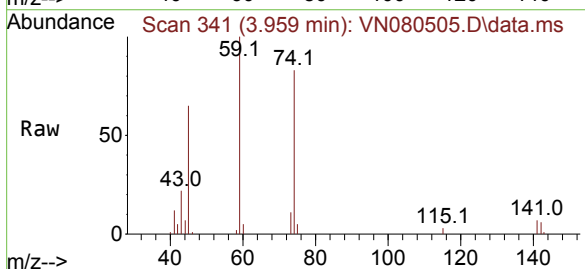
Instrument :  
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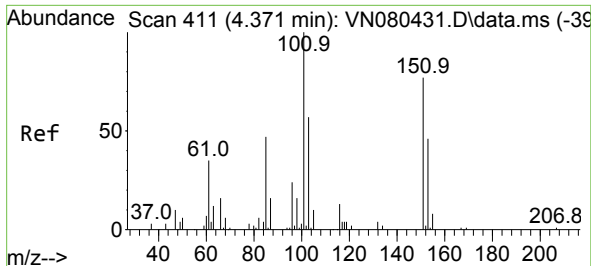
Tgt Ion:101 Resp: 102837  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 50.7 76.1



#8  
 Diethyl Ether  
 Concen: 16.928 ug/l  
 RT: 3.959 min Scan# 341  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

Tgt Ion: 74 Resp: 34370  
 Ion Ratio Lower Upper  
 74 100  
 45 74.8 34.4 103.3

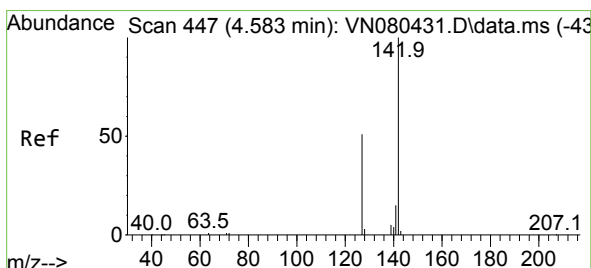
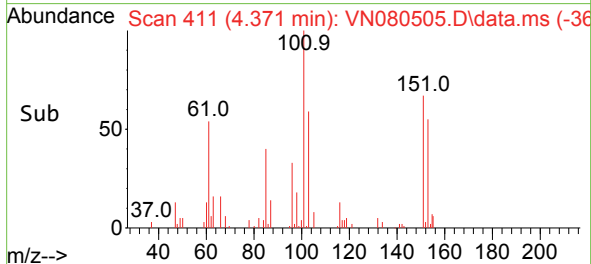
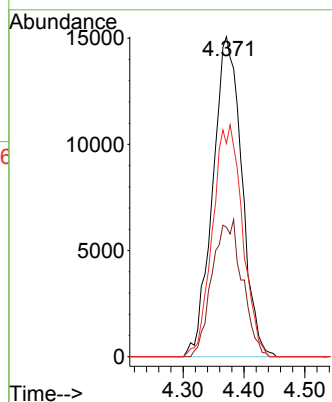
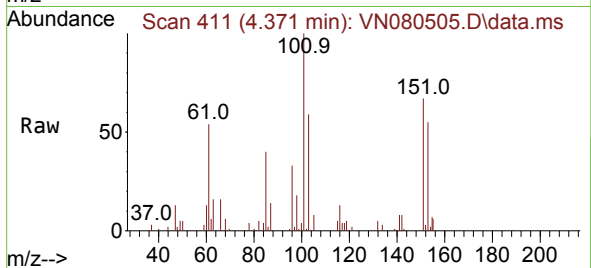




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 16.361 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

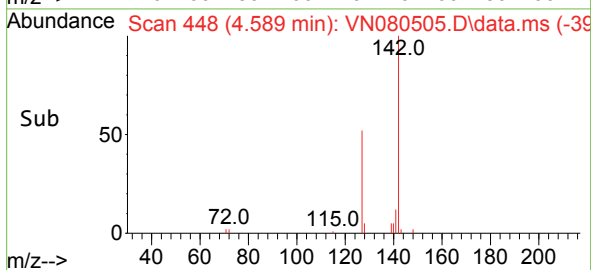
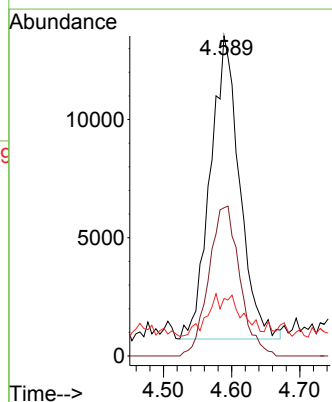
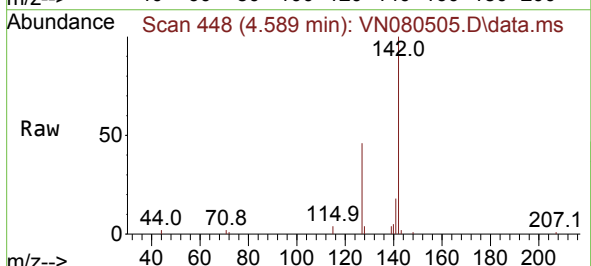
Instrument :  
MSVOA\_N  
ClientSampleId :

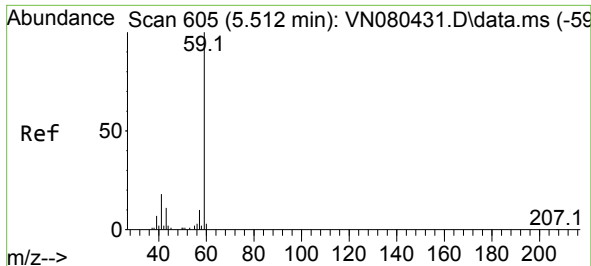
Tgt Ion:101 Resp: 49987  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.6 55.0  
151 74.3 57.6 86.4



#10  
Methyl Iodide  
Concen: 14.301 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:142 Resp: 38432  
Ion Ratio Lower Upper  
142 100  
127 48.9 37.6 56.4  
141 12.5 11.4 17.0

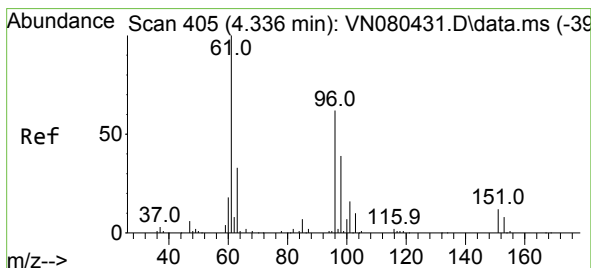
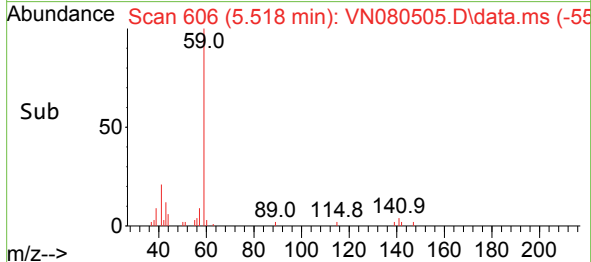
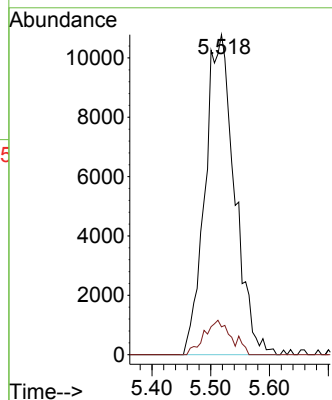
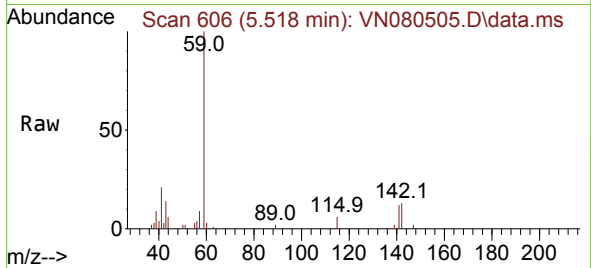




#11  
Tert butyl alcohol  
Concen: 85.715 ug/l  
RT: 5.518 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

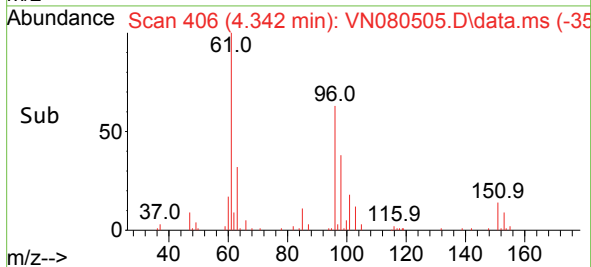
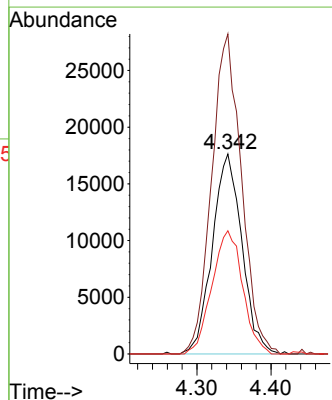
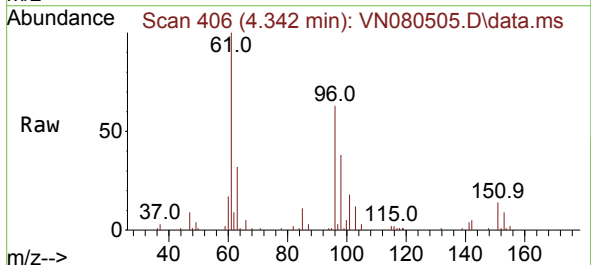
Instrument :  
MSVOA\_N  
ClientSampleId :

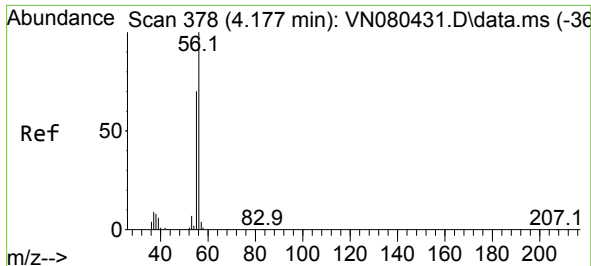
Tgt Ion: 59 Resp: 37546  
Ion Ratio Lower Upper  
59 100  
57 8.7 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 15.632 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 96 Resp: 48935  
Ion Ratio Lower Upper  
96 100  
61 160.0 112.7 169.1  
98 61.6 51.2 76.8

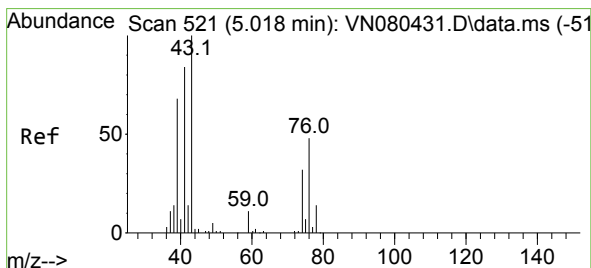
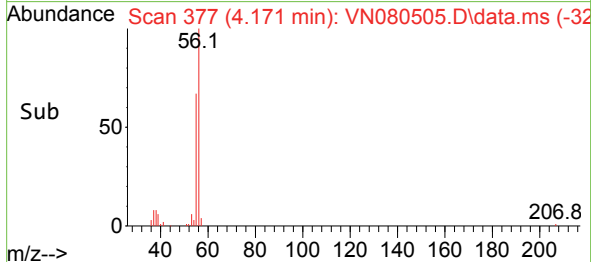
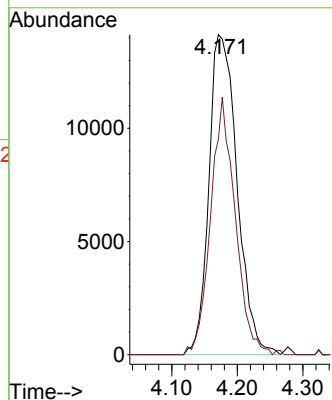
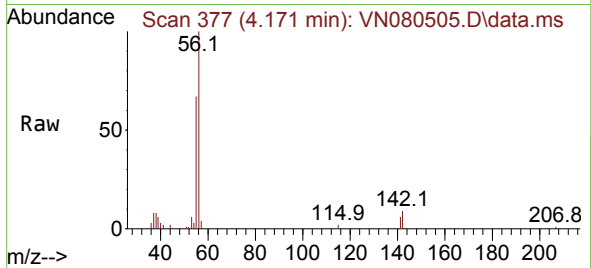




#13  
Acrolein  
Concen: 88.187 ug/l  
RT: 4.171 min Scan# 378  
Delta R.T. -0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

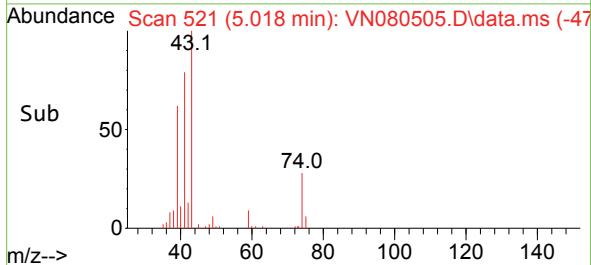
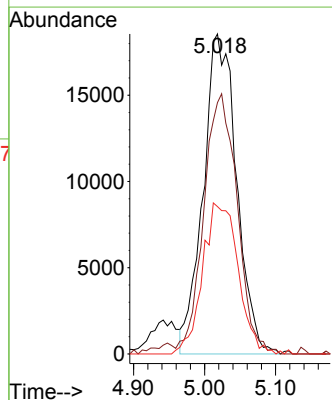
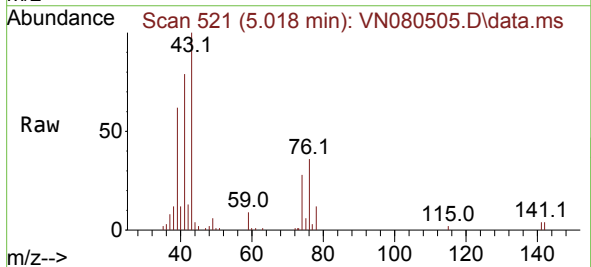
Instrument :  
MSVOA\_N  
ClientSampleId :

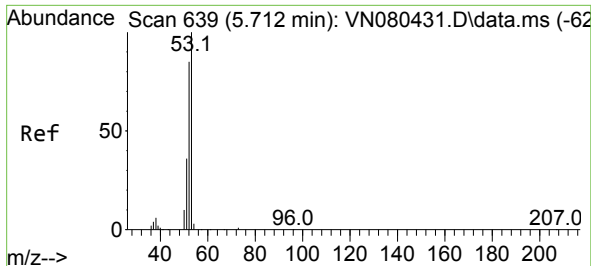
Tgt Ion: 56 Resp: 42304  
Ion Ratio Lower Upper  
56 100  
55 69.9 54.5 81.7



#14  
Allyl chloride  
Concen: 15.628 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 41 Resp: 60531  
Ion Ratio Lower Upper  
41 100  
39 81.5 58.8 88.2  
76 50.1 39.1 58.7

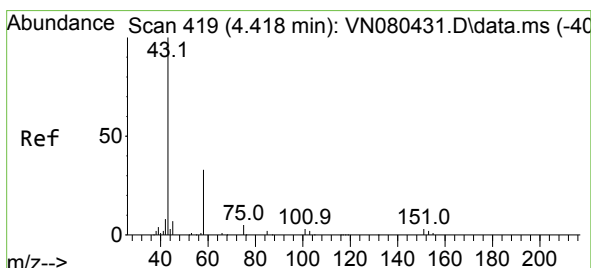
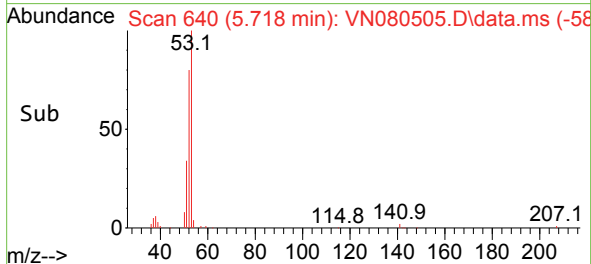
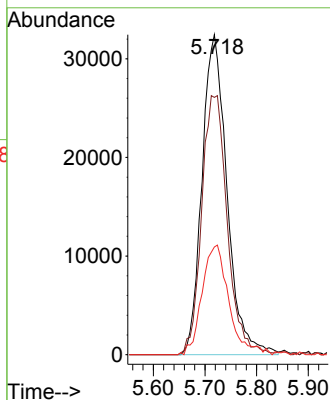
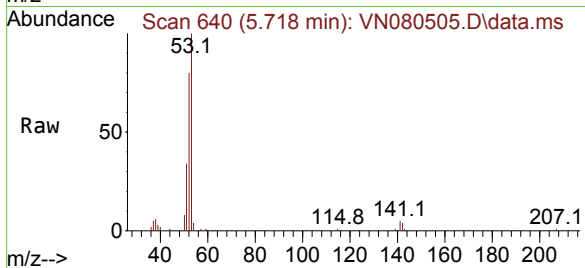




#15  
Acrylonitrile  
Concen: 88.061 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

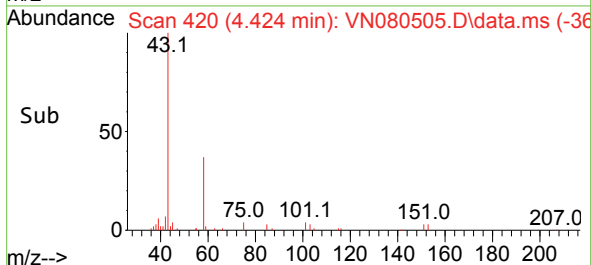
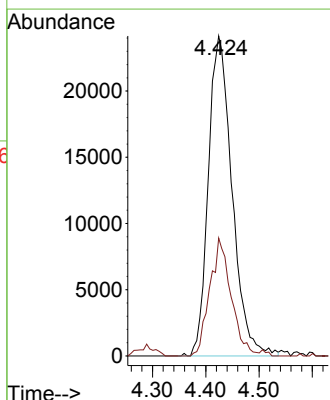
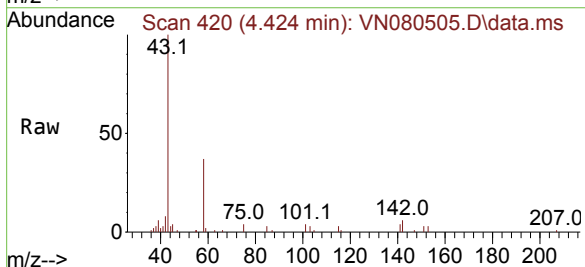
Instrument :  
MSVOA\_N  
ClientSampleId :

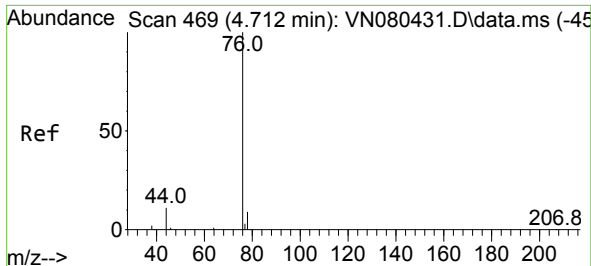
Tgt Ion: 53 Resp: 108992  
Ion Ratio Lower Upper  
53 100  
52 83.1 65.3 97.9  
51 36.8 28.9 43.3



#16  
Acetone  
Concen: 113.345 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 43 Resp: 74748  
Ion Ratio Lower Upper  
43 100  
58 36.9 28.0 42.0

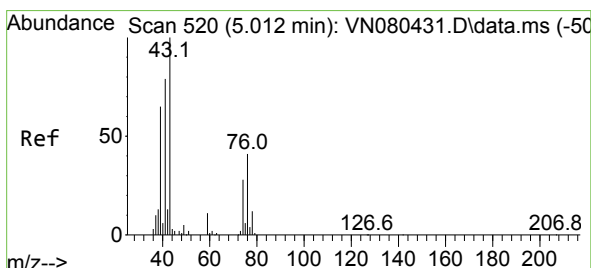
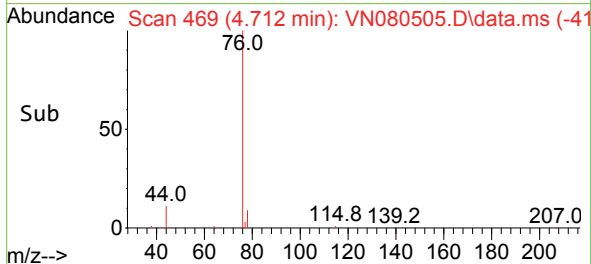
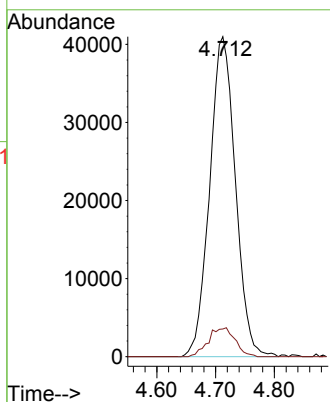
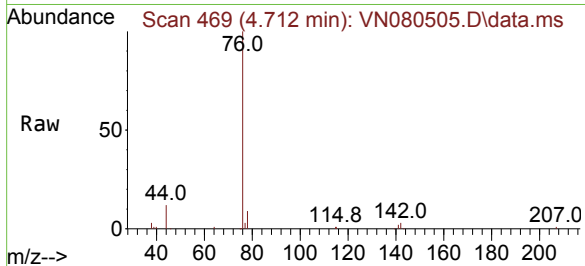




#17  
Carbon Disulfide  
Concen: 14.058 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

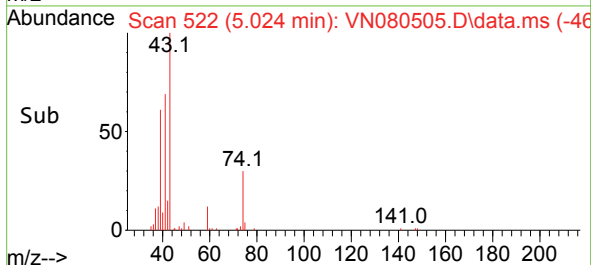
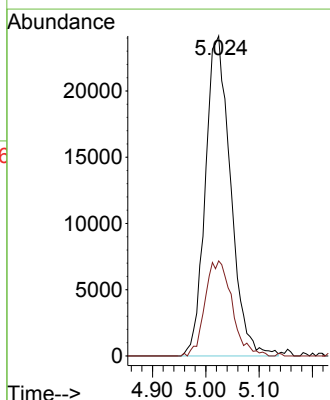
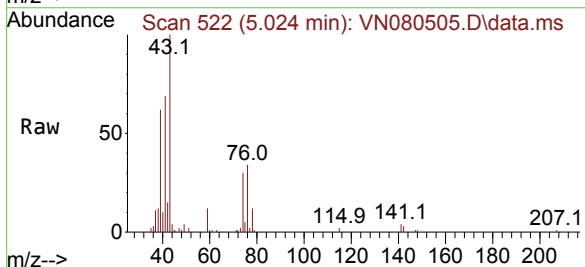
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MSVOA\_N  
ClientSampleId :

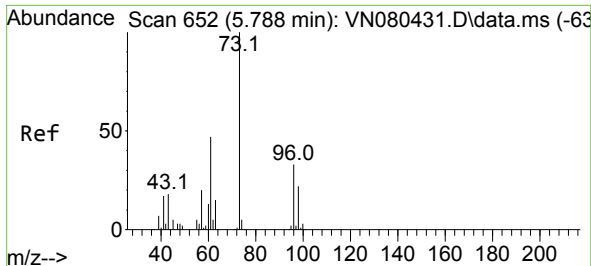
Tgt Ion: 76 Resp: 124717  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 18.715 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.012 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 43 Resp: 79414  
Ion Ratio Lower Upper  
43 100  
74 31.8 26.2 39.4

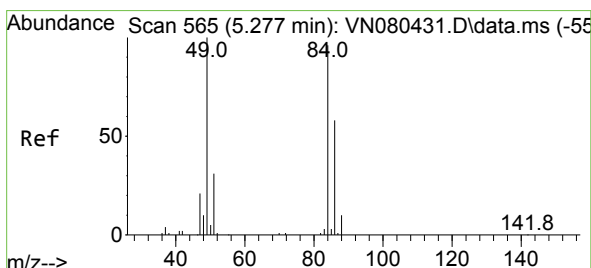
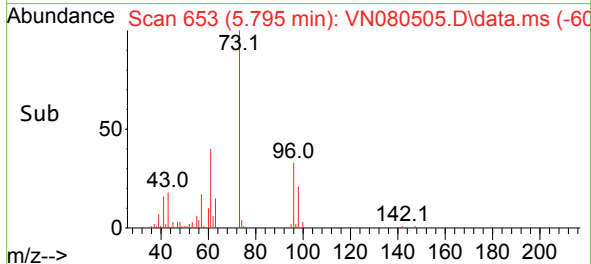
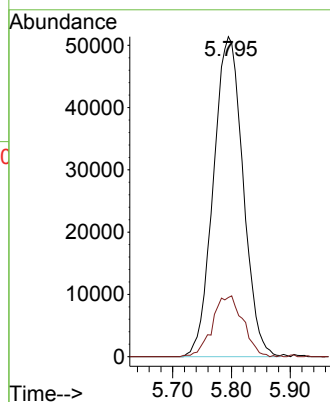
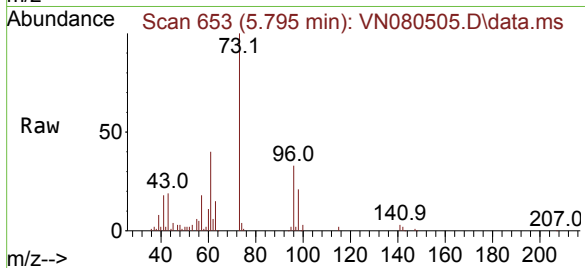




#19  
Methyl tert-butyl Ether  
Concen: 17.245 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

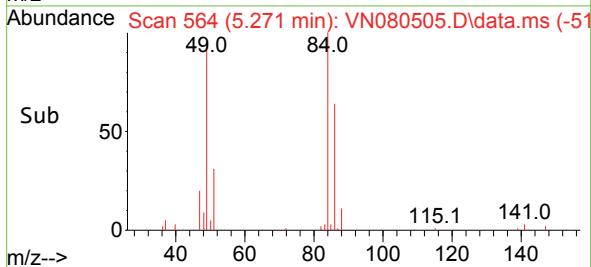
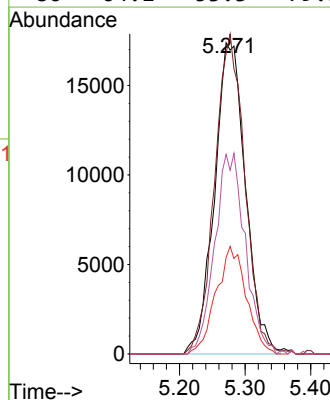
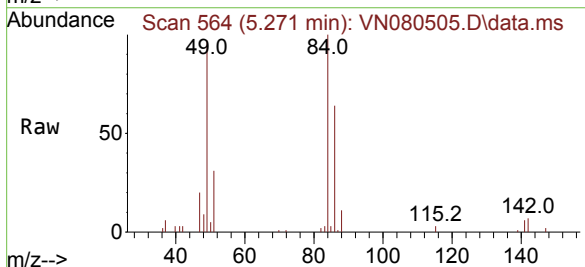
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MSVOA\_N  
ClientSampleId :

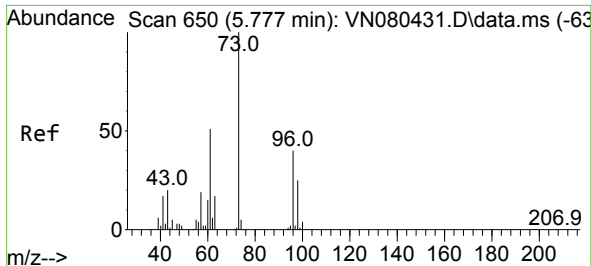
Tgt Ion: 73 Resp: 180114  
Ion Ratio Lower Upper  
73 100  
57 18.5 15.6 23.4



#20  
Methylene Chloride  
Concen: 16.175 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 84 Resp: 57087  
Ion Ratio Lower Upper  
84 100  
49 96.6 79.7 119.5  
51 31.0 25.2 37.8  
86 64.1 53.3 79.9

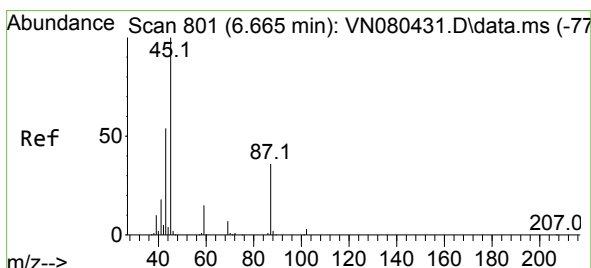
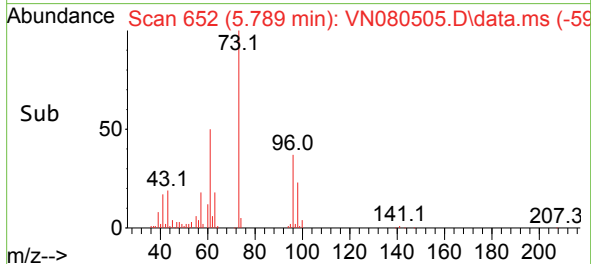
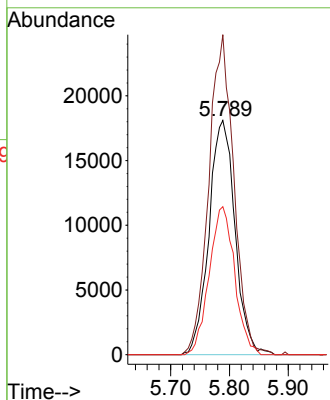
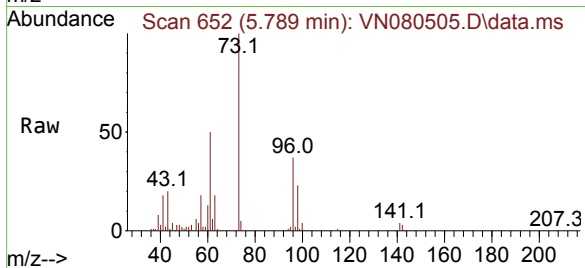




#21  
trans-1,2-Dichloroethene  
Concen: 16.394 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

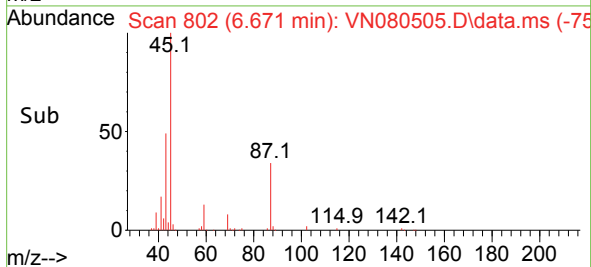
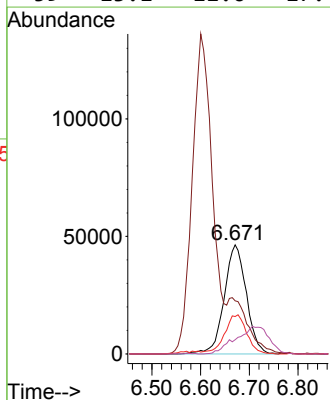
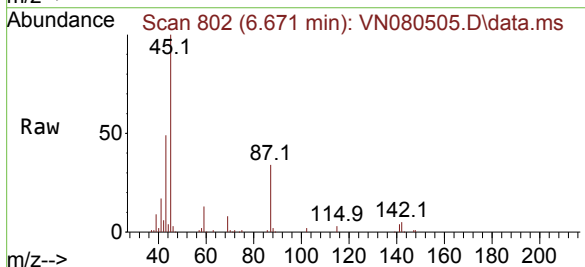
Instrument :  
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ClientSampleId :

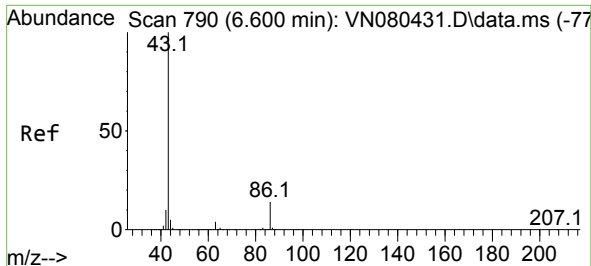
Tgt Ion: 96 Resp: 55647  
Ion Ratio Lower Upper  
96 100  
61 136.6 90.1 135.1#  
98 63.2 46.4 69.6



#22  
Diisopropyl ether  
Concen: 17.521 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 45 Resp: 146467  
Ion Ratio Lower Upper  
45 100  
43 47.3 45.5 68.3  
87 34.3 31.8 47.8  
59 13.1 11.6 17.4

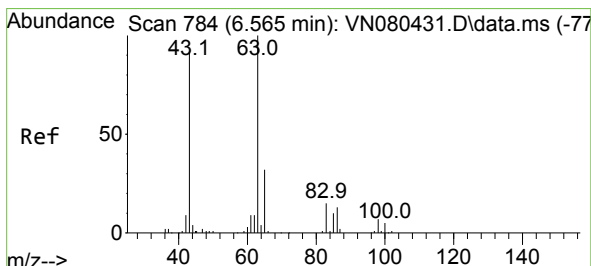
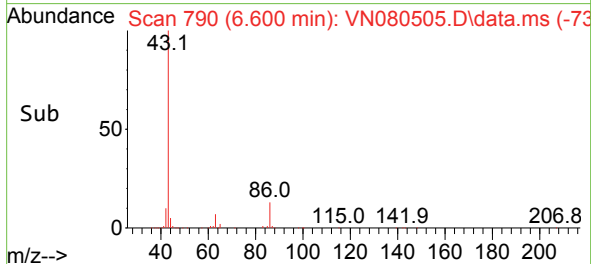
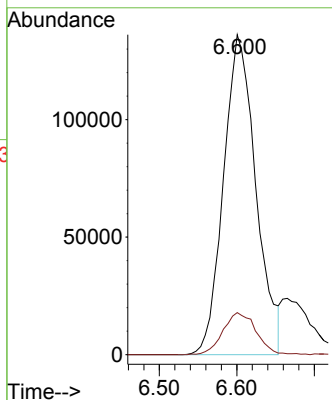
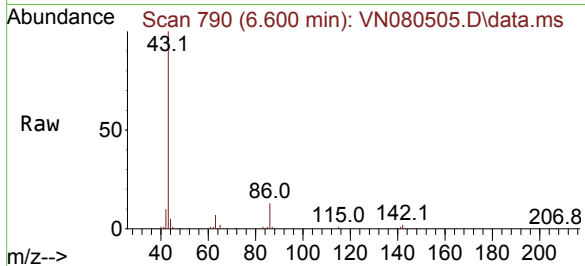




#23  
 Vinyl Acetate  
 Concen: 82.470 ug/l  
 RT: 6.600 min Scan# 790  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

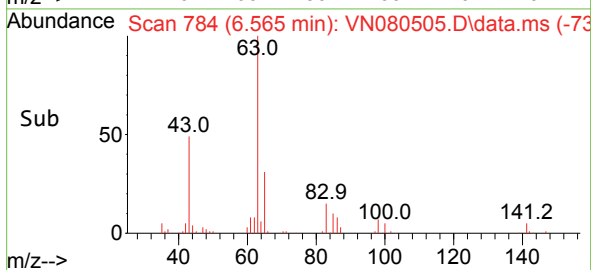
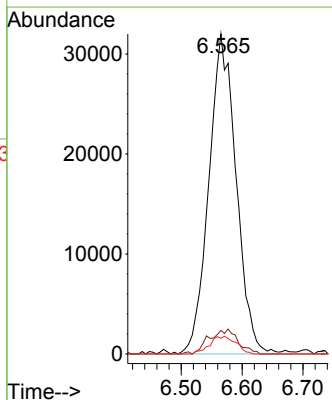
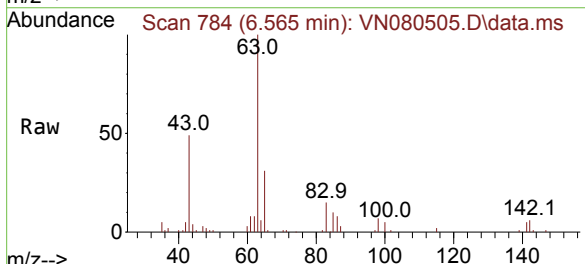
Instrument :  
 MSVOA\_N  
 ClientSampleId :

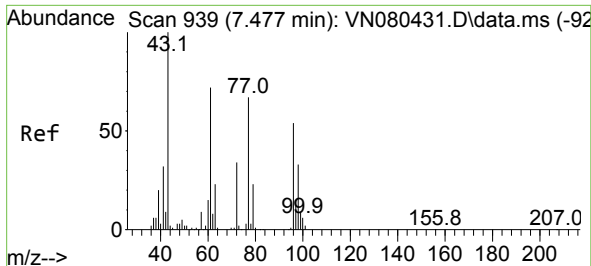
Tgt Ion: 43 Resp: 395949  
 Ion Ratio Lower Upper  
 43 100  
 86 13.2 13.0 19.6



#24  
 1,1-Dichloroethane  
 Concen: 17.087 ug/l  
 RT: 6.565 min Scan# 784  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

Tgt Ion: 63 Resp: 99660  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.9 11.7  
 100 4.9 2.5 7.4

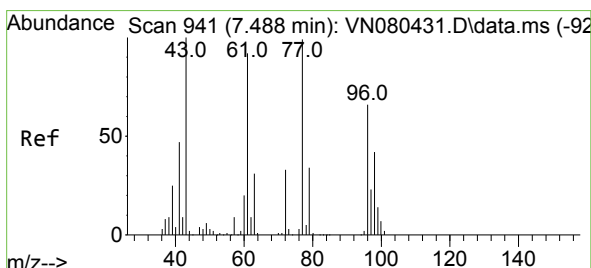
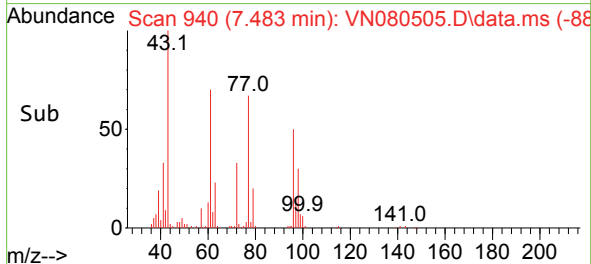
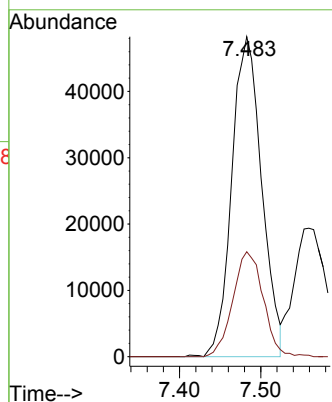
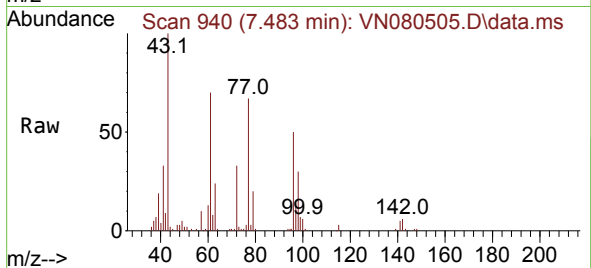




#25  
2-Butanone  
Concen: 97.117 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

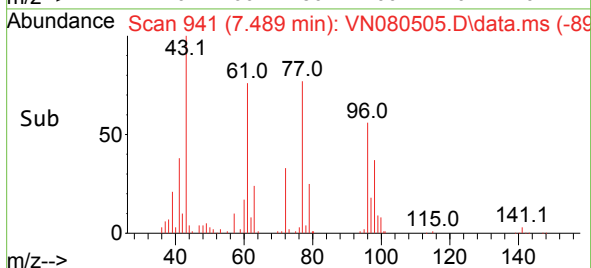
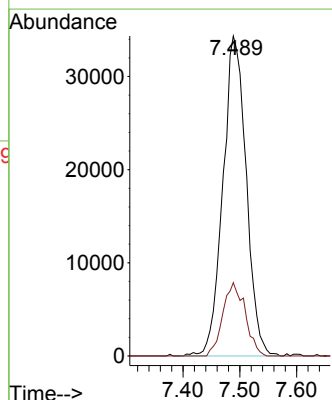
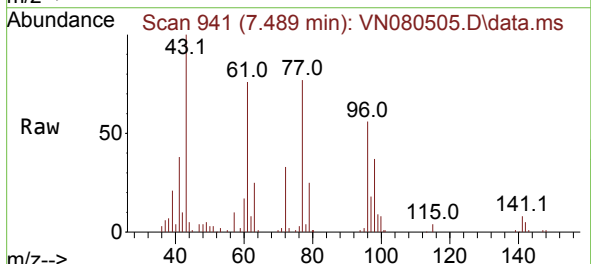
Instrument :  
MSVOA\_N  
ClientSampleId :

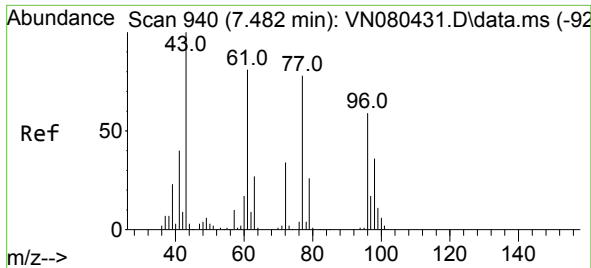
Tgt Ion: 43 Resp: 123380  
Ion Ratio Lower Upper  
43 100  
72 32.8 30.2 45.2



#26  
2,2-Dichloropropane  
Concen: 16.424 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

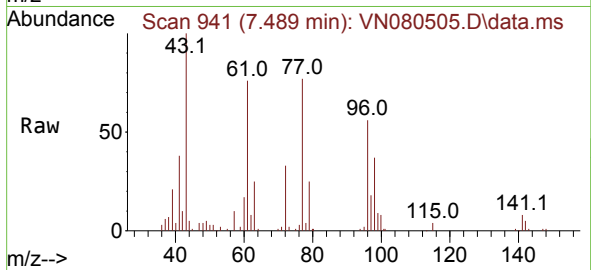
Tgt Ion: 77 Resp: 97954  
Ion Ratio Lower Upper  
77 100  
97 22.0 11.2 33.6



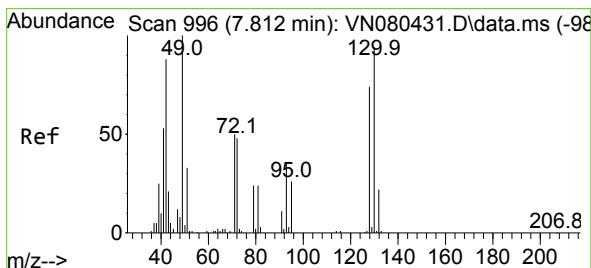
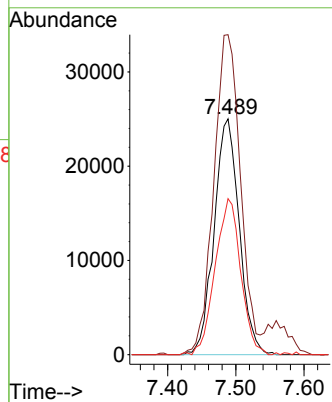
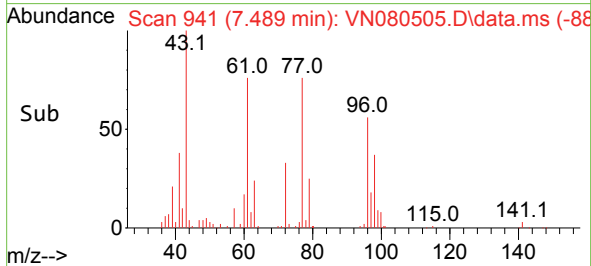


#27  
cis-1,2-Dichloroethene  
Concen: 16.693 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

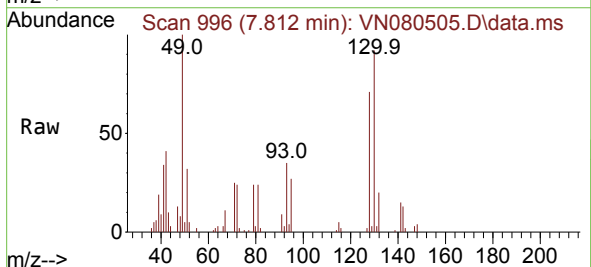
Instrument :  
MSVOA\_N  
ClientSampleId :



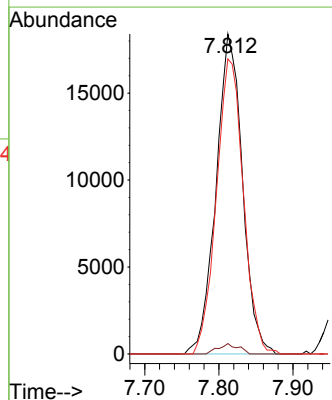
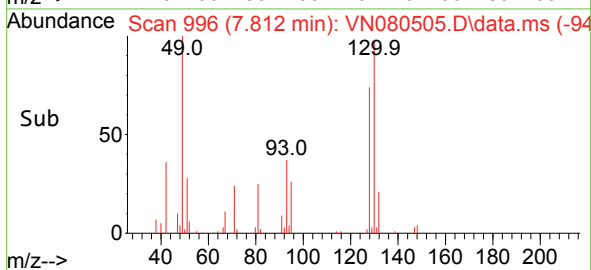
Tgt Ion: 96 Resp: 64137  
Ion Ratio Lower Upper  
96 100  
61 144.5 0.0 255.2  
98 67.4 0.0 128.8

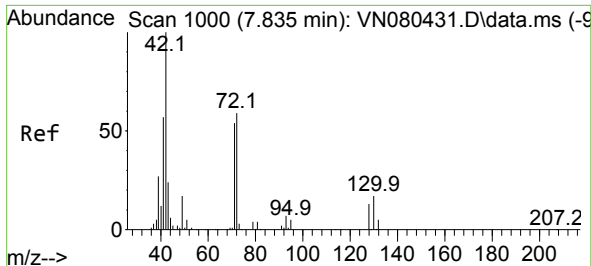


#28  
Bromochloromethane  
Concen: 20.320 ug/l  
RT: 7.812 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59



Tgt Ion: 49 Resp: 45503  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 4.8  
130 93.8 75.3 112.9





#29

Tetrahydrofuran

Concen: 88.980 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN080505.D

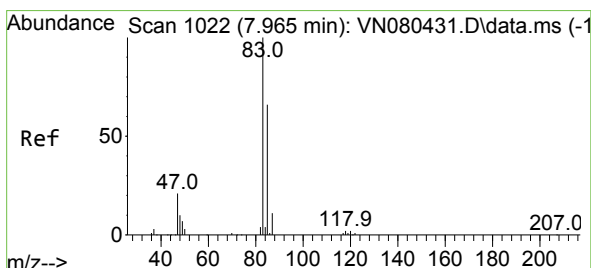
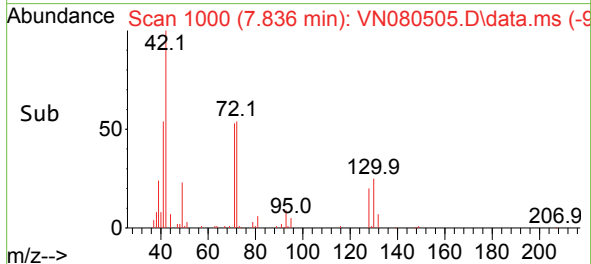
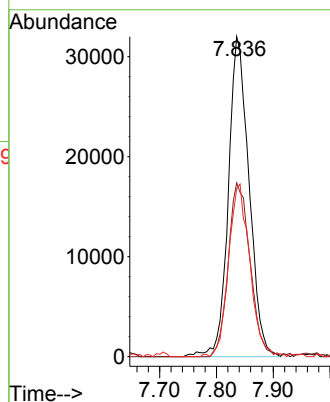
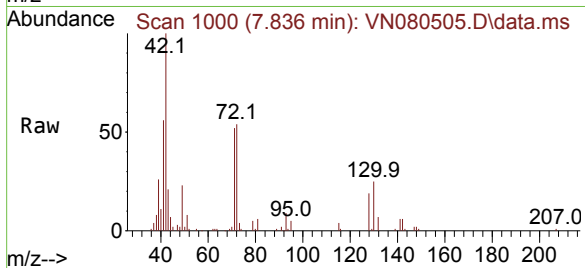
Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 80948 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 72        | 57.1  | 49.8  | 74.6  |
| 71        | 55.7  | 47.4  | 71.2  |



#30

Chloroform

Concen: 17.193 ug/l

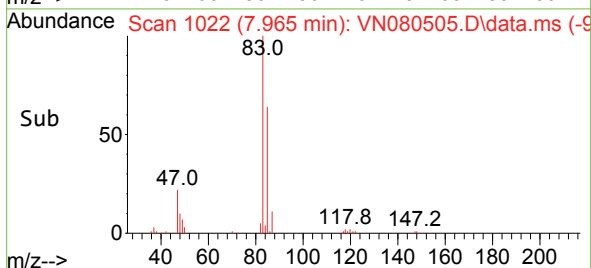
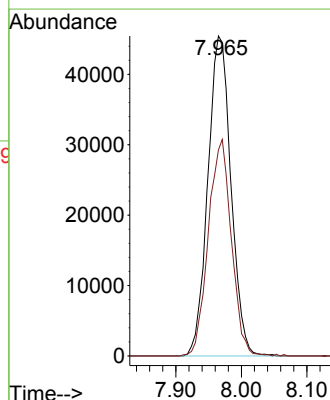
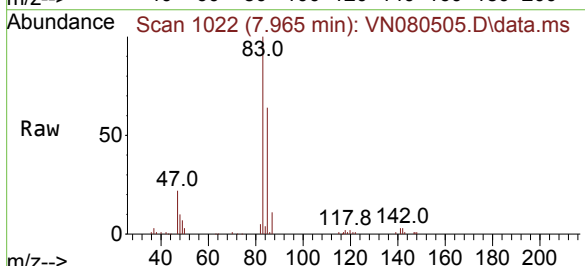
RT: 7.965 min Scan# 1022

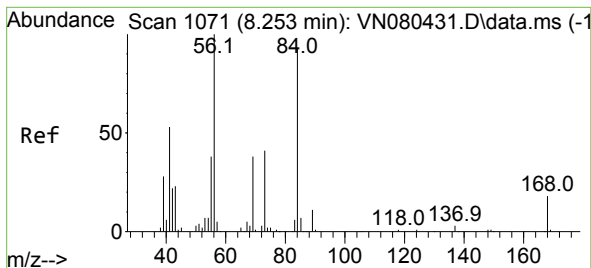
Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 111305 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.4  | 55.4  | 83.0   |





#31

Cyclohexane

Concen: 15.735 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.006 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

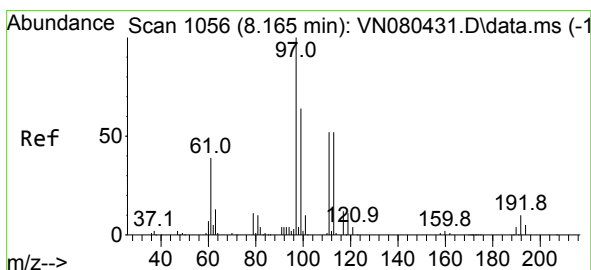
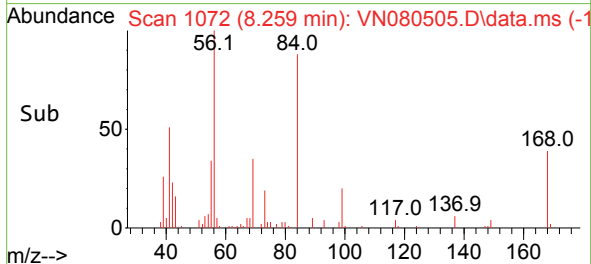
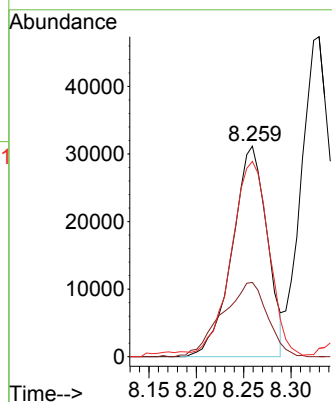
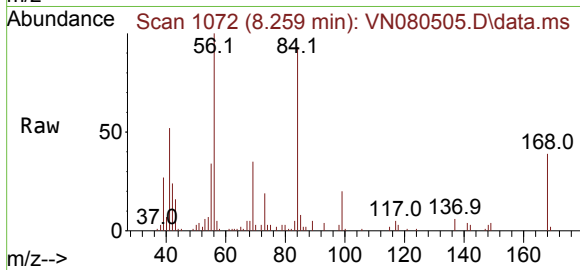
Tgt Ion: 56 Resp: 79587

Ion Ratio Lower Upper

56 100

69 34.5 26.8 40.2

84 90.3 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 16.760 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

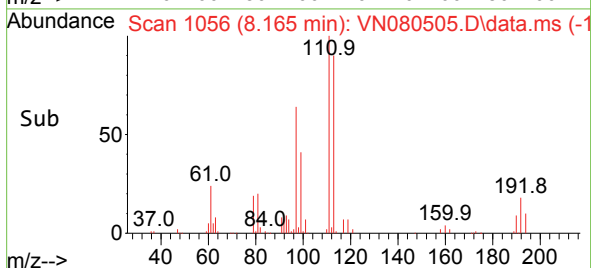
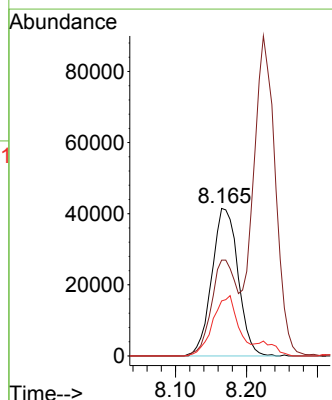
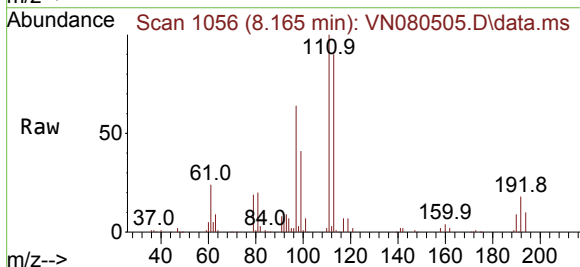
Tgt Ion: 97 Resp: 106235

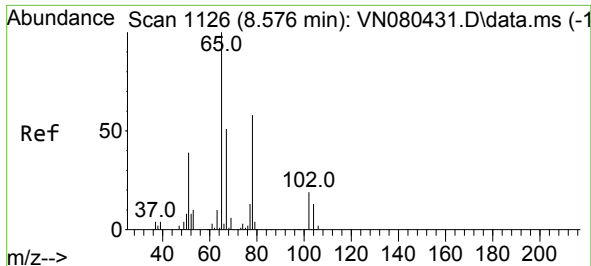
Ion Ratio Lower Upper

97 100

99 60.3 50.3 75.5

61 39.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 50.862 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

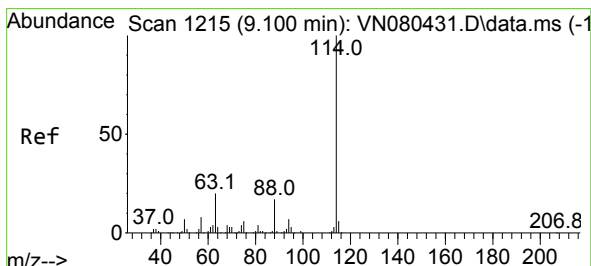
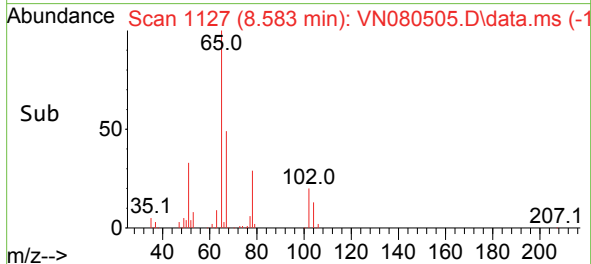
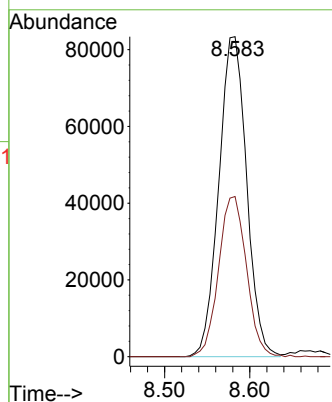
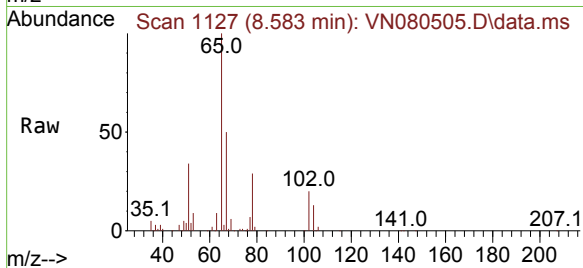
ClientSampleId :

Tgt Ion: 65 Resp: 189170

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

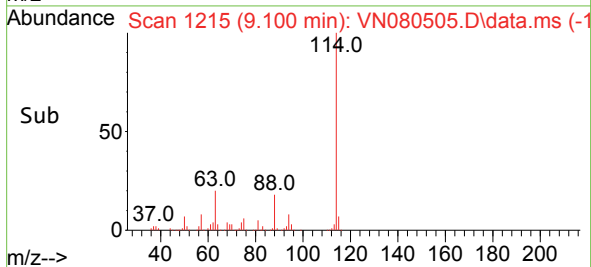
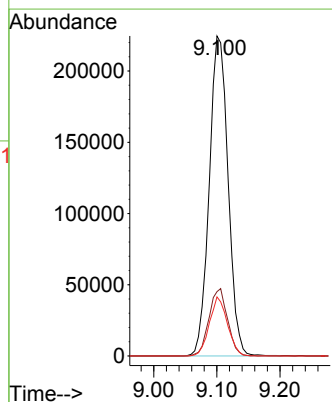
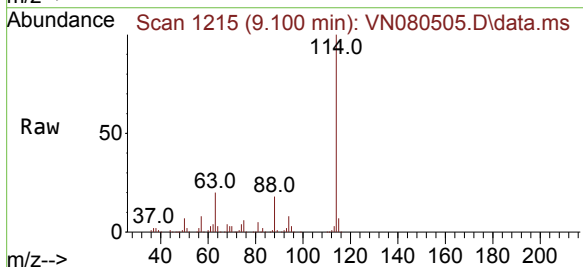
Tgt Ion: 114 Resp: 465707

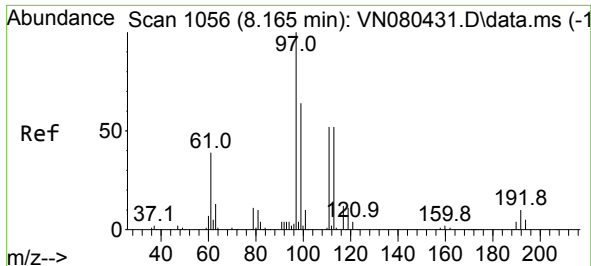
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 18.4 0.0 30.6

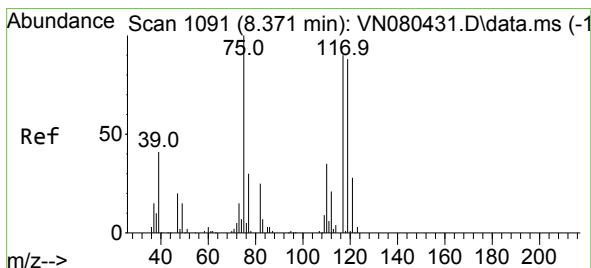
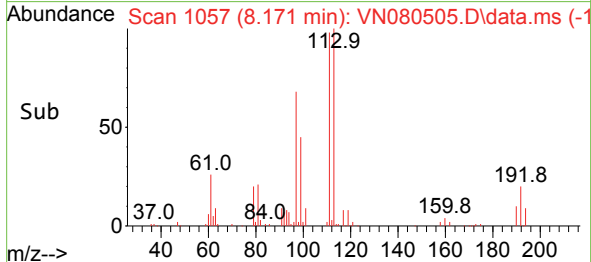
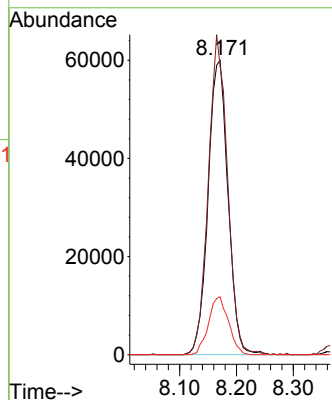
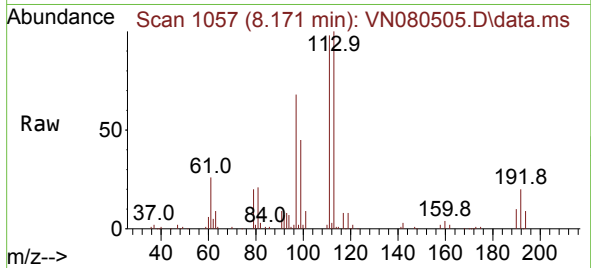




#35  
Dibromofluoromethane  
Concen: 49.323 ug/l  
RT: 8.171 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

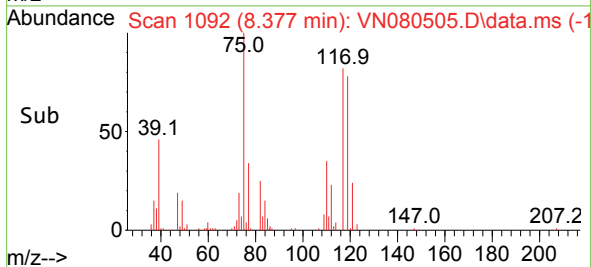
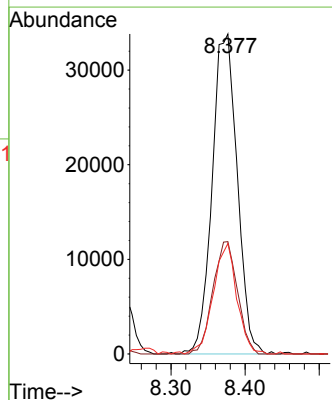
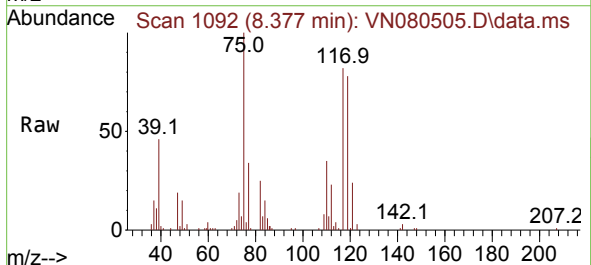
Instrument :  
MSVOA\_N  
ClientSampleId :

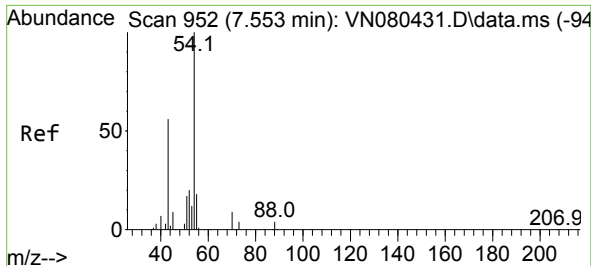
Tgt Ion:113 Resp: 145640  
Ion Ratio Lower Upper  
113 100  
111 104.9 82.6 123.8  
192 19.8 12.7 19.1#



#36  
1,1-Dichloropropene  
Concen: 16.490 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 75 Resp: 79613  
Ion Ratio Lower Upper  
75 100  
110 34.4 19.1 57.3  
77 32.5 25.0 37.4





#37

Ethyl Acetate

Concen: 18.140 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

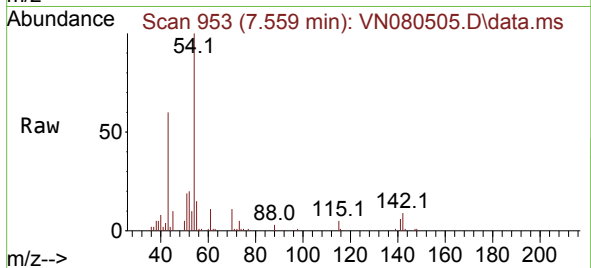
Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :



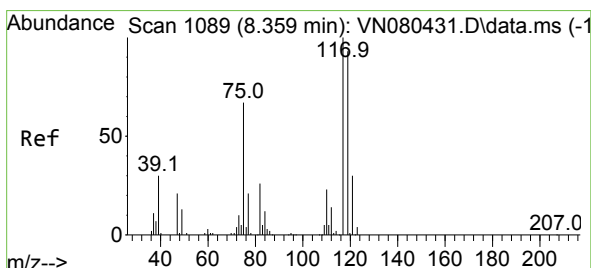
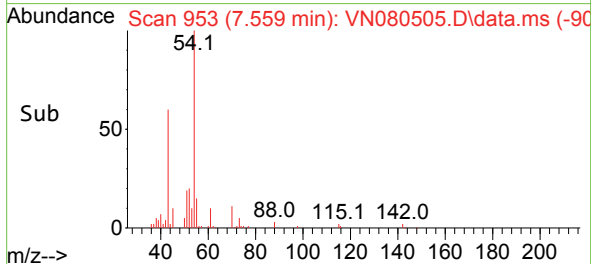
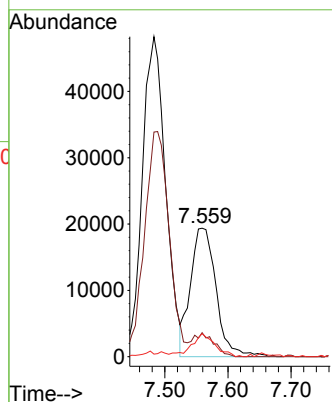
Tgt Ion: 43 Resp: 54842

Ion Ratio Lower Upper

43 100

61 15.3 13.2 19.8

70 16.5 11.3 16.9



#38

Carbon Tetrachloride

Concen: 16.335 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

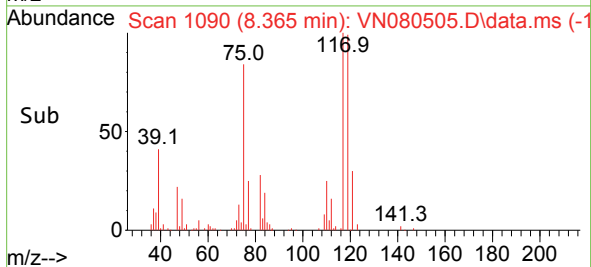
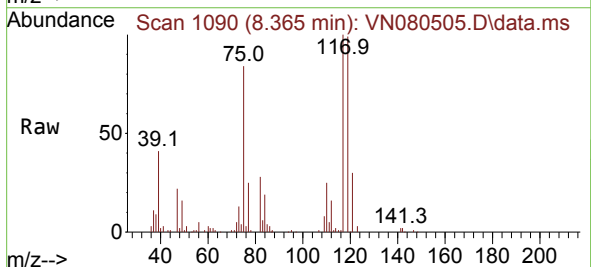
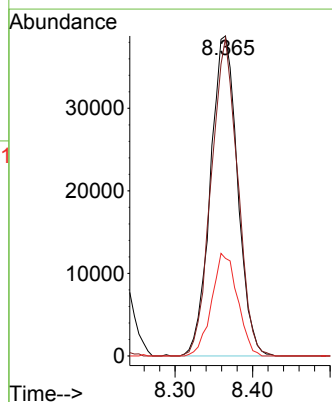
Tgt Ion: 117 Resp: 94237

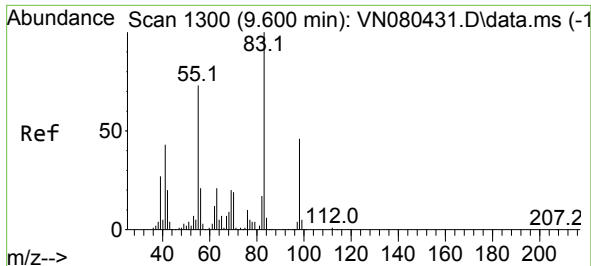
Ion Ratio Lower Upper

117 100

119 99.2 77.3 115.9

121 30.5 23.3 34.9





#39

Methylcyclohexane

Concen: 15.342 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

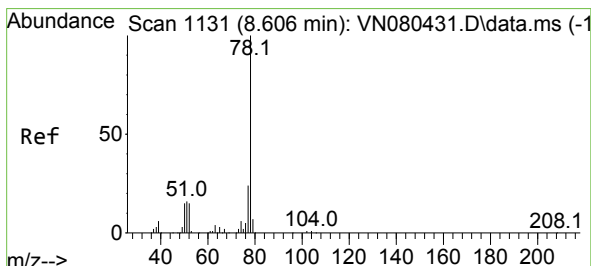
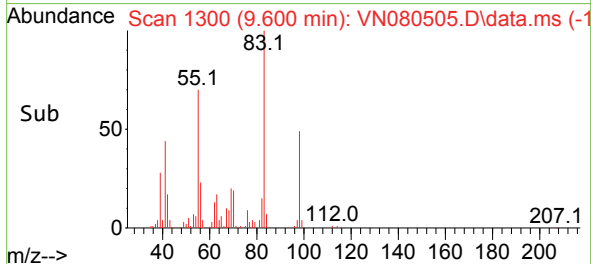
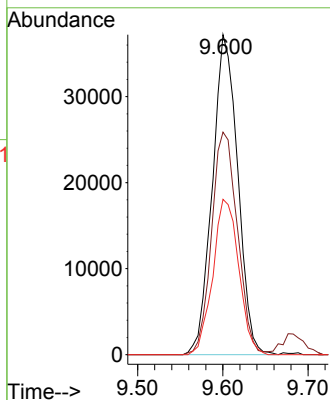
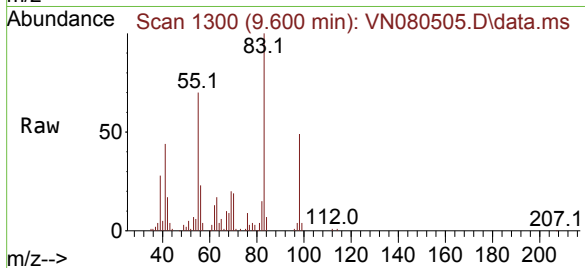
Tgt Ion: 83 Resp: 76950

Ion Ratio Lower Upper

83 100

55 69.5 49.1 73.7

98 48.6 40.6 61.0



#40

Benzene

Concen: 16.647 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080505.D

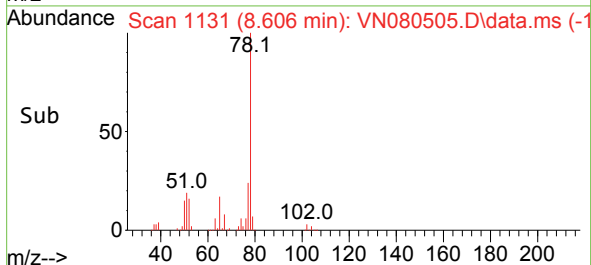
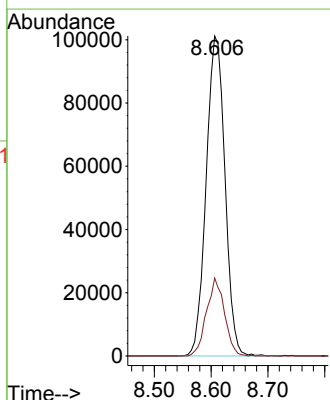
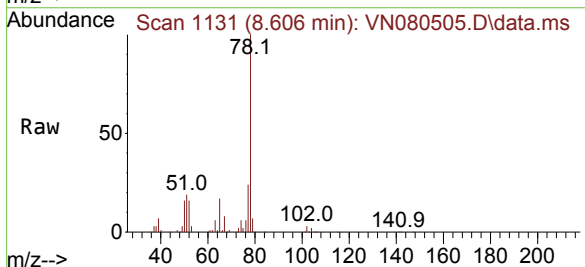
Acq: 15 Dec 2023 15:59

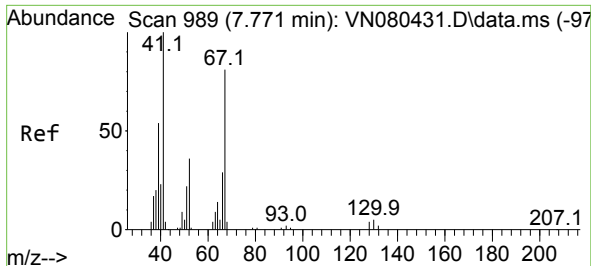
Tgt Ion: 78 Resp: 232079

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.6

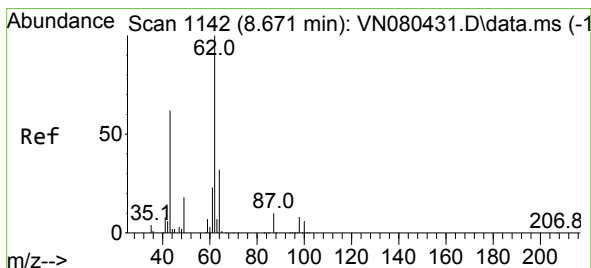
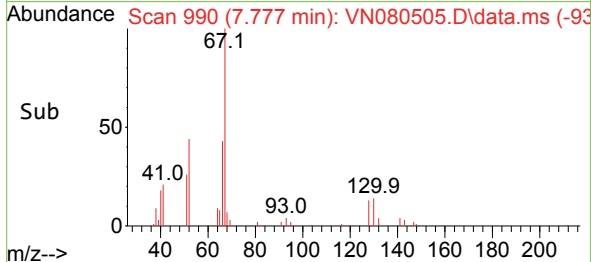
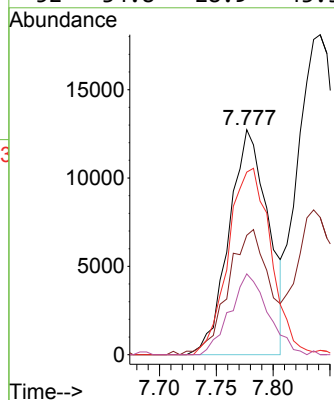
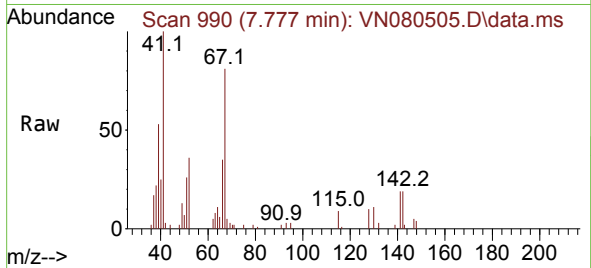




#41  
Methacrylonitrile  
Concen: 17.626 ug/l  
RT: 7.777 min Scan# 989  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

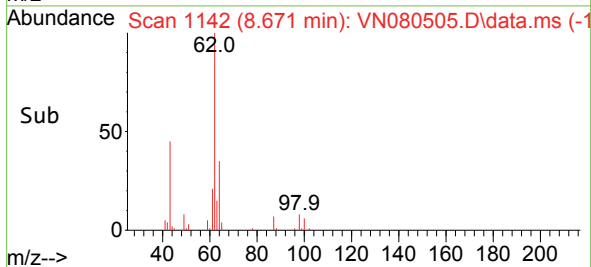
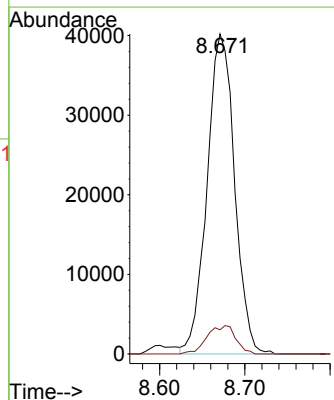
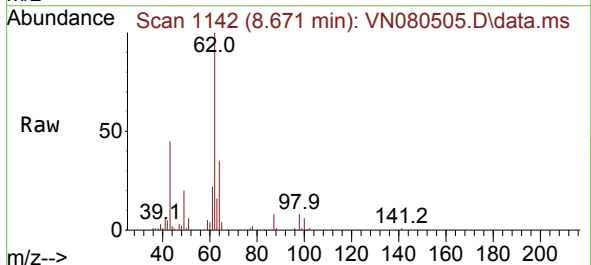
Instrument :  
MSVOA\_N  
ClientSampleId :

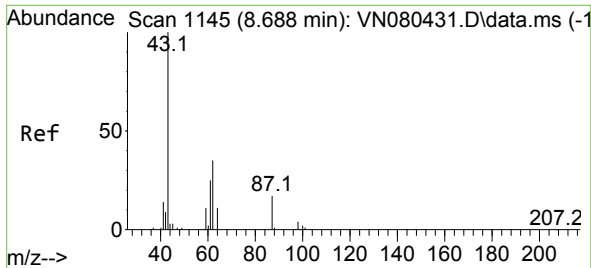
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 30722 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 58.3     | 42.6 64.0   |
| 67 90.0     | 77.5 116.3  |
| 52 34.8     | 28.9 43.3   |



#42  
1,2-Dichloroethane  
Concen: 17.471 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 90197 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.3      | 0.0 19.8    |

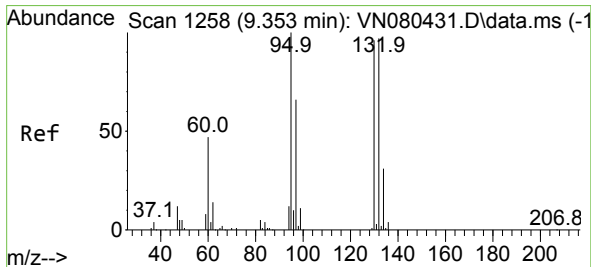
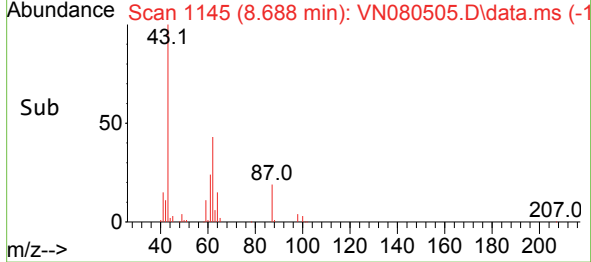
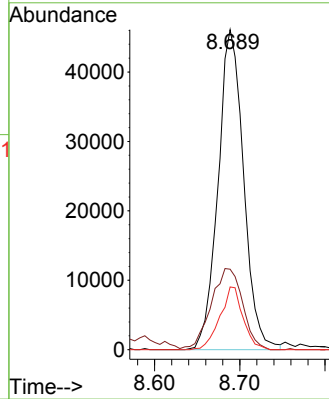
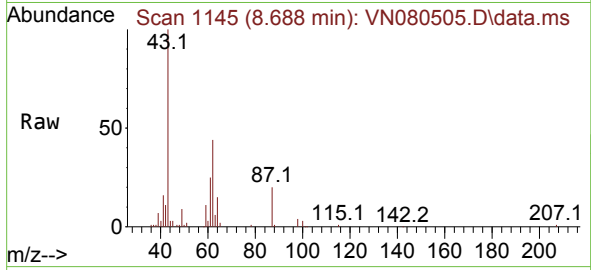




#43  
Isopropyl Acetate  
Concen: 17.648 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

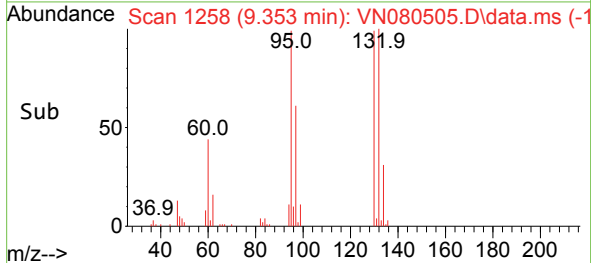
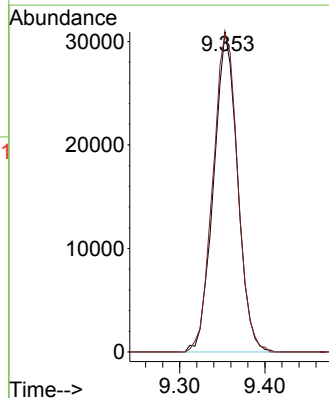
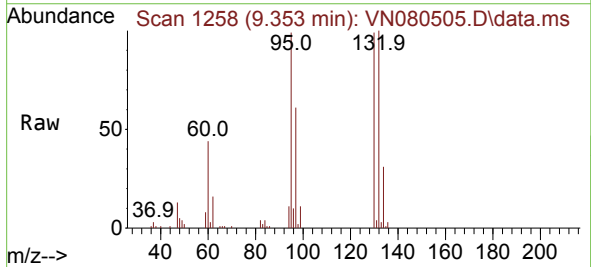
Instrument :  
MSVOA\_N  
ClientSampleId :

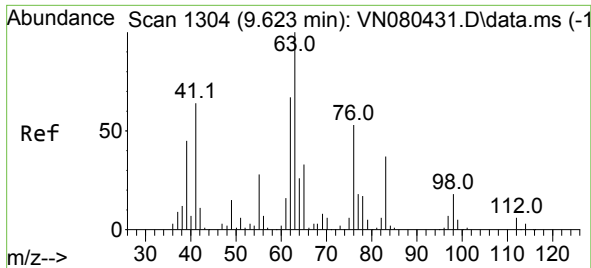
Tgt Ion: 43 Resp: 95931  
Ion Ratio Lower Upper  
43 100  
61 31.2 24.7 37.1  
87 17.7 14.6 21.8



#44  
Trichloroethene  
Concen: 16.038 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:130 Resp: 60277  
Ion Ratio Lower Upper  
130 100  
95 99.6 0.0 204.6

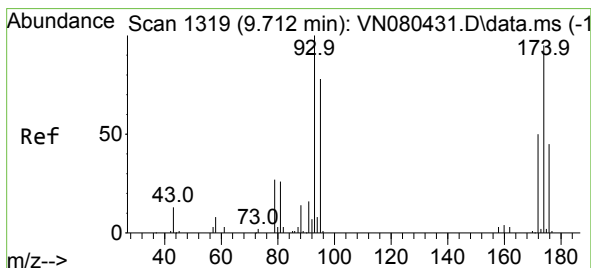
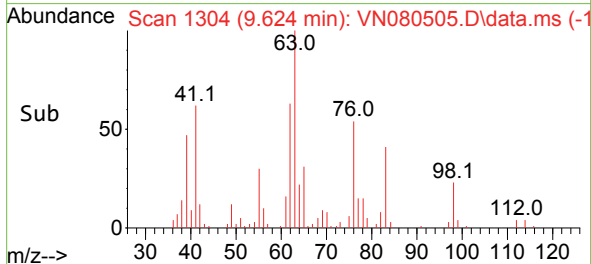
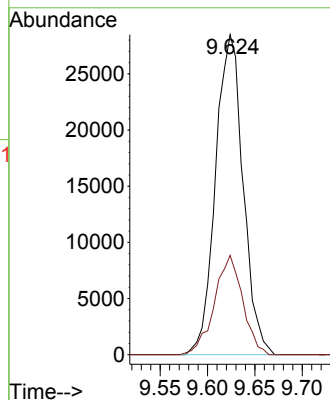
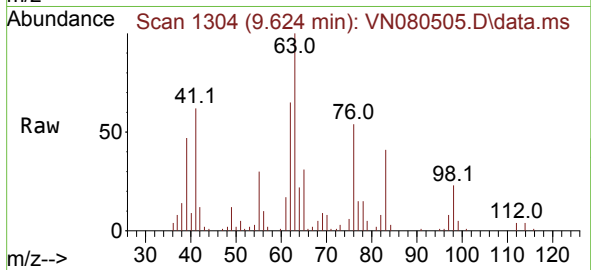




#45  
1,2-Dichloropropane  
Concen: 17.612 ug/l  
RT: 9.624 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

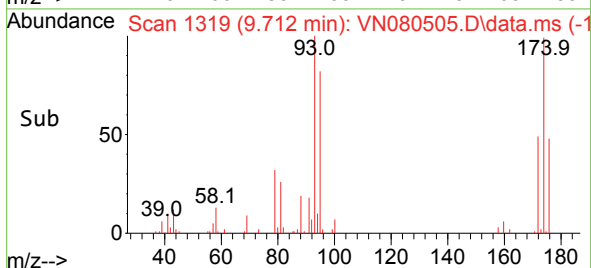
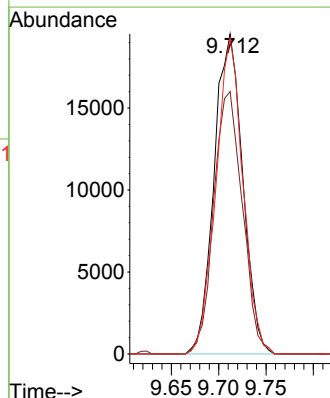
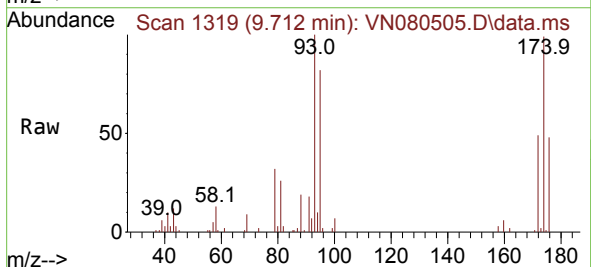
Instrument :  
MSVOA\_N  
ClientSampleId :

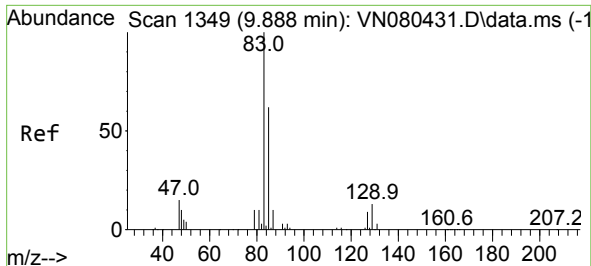
Tgt Ion: 63 Resp: 57670  
Ion Ratio Lower Upper  
63 100  
65 31.0 23.9 35.9



#46  
Dibromomethane  
Concen: 17.372 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 93 Resp: 40849  
Ion Ratio Lower Upper  
93 100  
95 82.6 63.8 95.8  
174 93.6 65.6 98.4

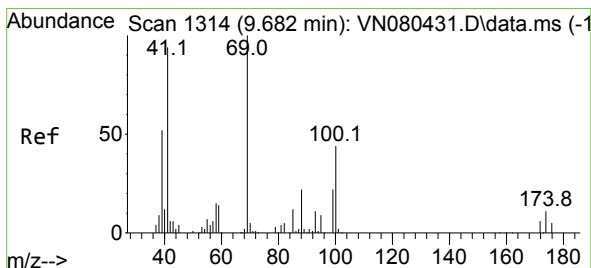
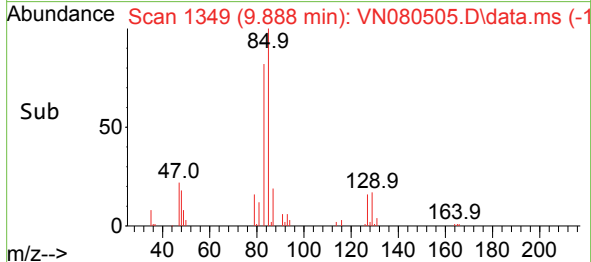
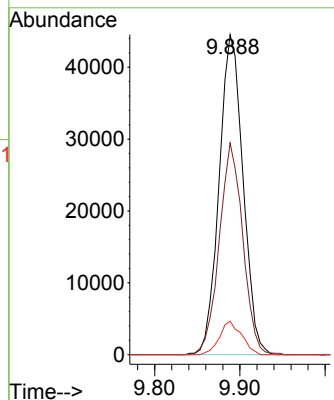
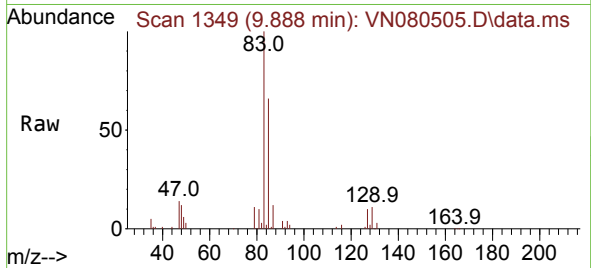




#47  
Bromodichloromethane  
Concen: 17.203 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

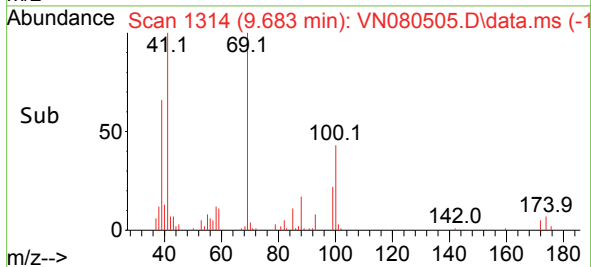
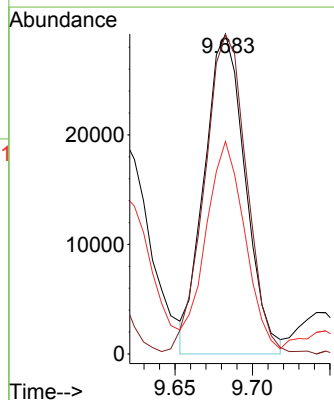
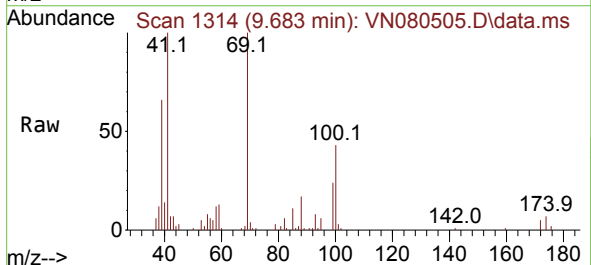
Instrument :  
MSVOA\_N  
ClientSampleId :

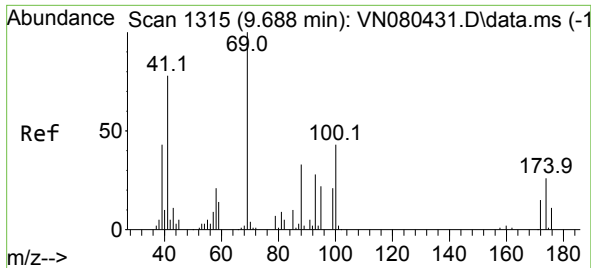
Tgt Ion: 83 Resp: 86700  
Ion Ratio Lower Upper  
83 100  
85 66.1 49.6 74.4  
127 10.4 7.0 10.6



#48  
Methyl methacrylate  
Concen: 16.580 ug/l  
RT: 9.683 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

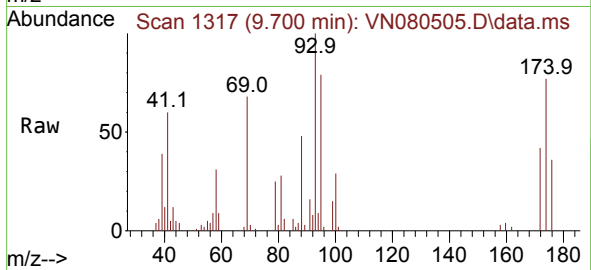
Tgt Ion: 41 Resp: 53784  
Ion Ratio Lower Upper  
41 100  
69 103.1 90.4 135.6  
39 63.9 54.6 81.8



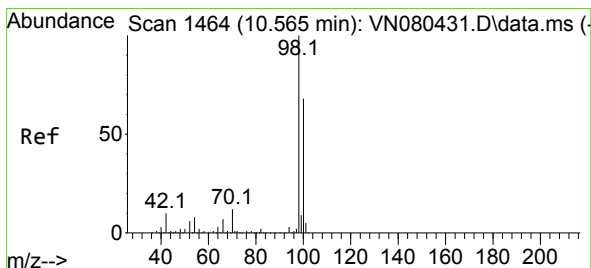
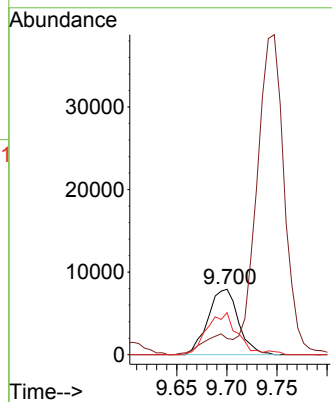
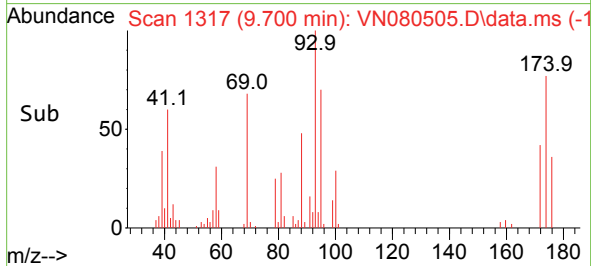


#49  
1,4-Dioxane  
Concen: 339.623 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Instrument :  
MSVOA\_N  
ClientSampleId :

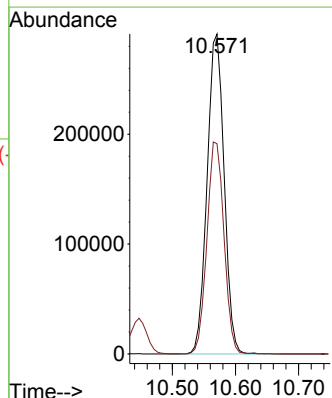
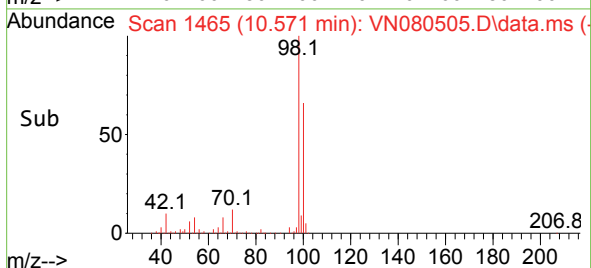
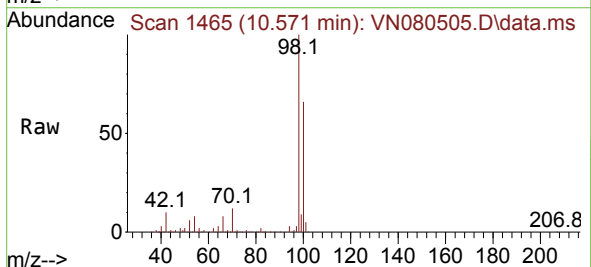


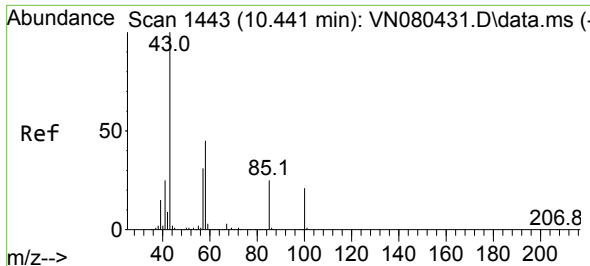
Tgt Ion: 88 Resp: 16699  
Ion Ratio Lower Upper  
88 100  
43 29.5 17.0 25.6#  
58 63.5 47.0 70.4



#50  
Toluene-d8  
Concen: 49.409 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 98 Resp: 544107  
Ion Ratio Lower Upper  
98 100  
100 66.5 52.0 78.0

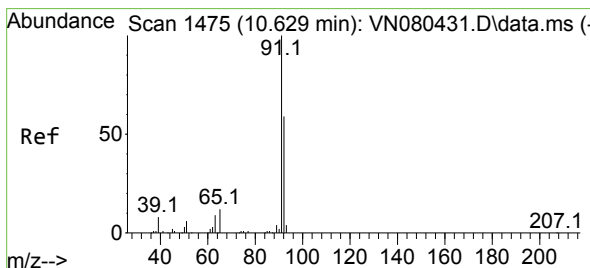
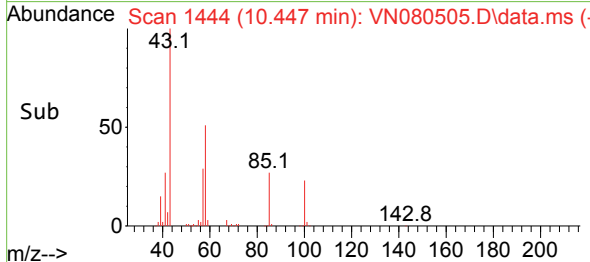
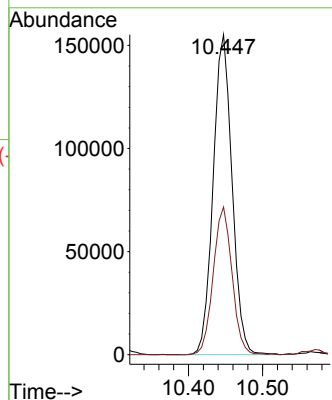
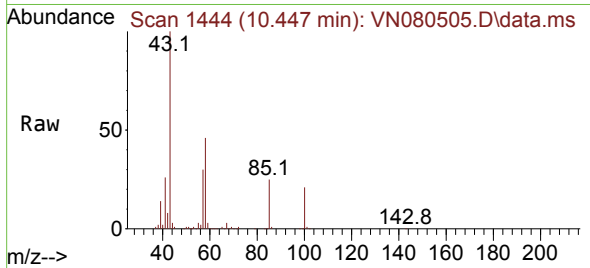




#51  
4-Methyl-2-Pentanone  
Concen: 91.794 ug/l  
RT: 10.447 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

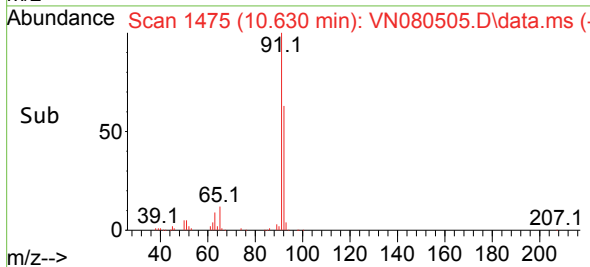
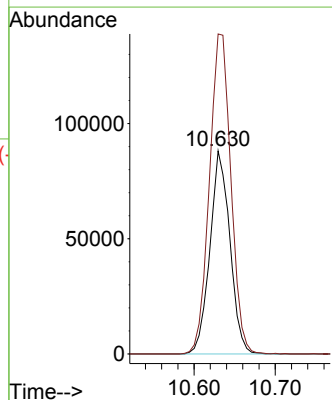
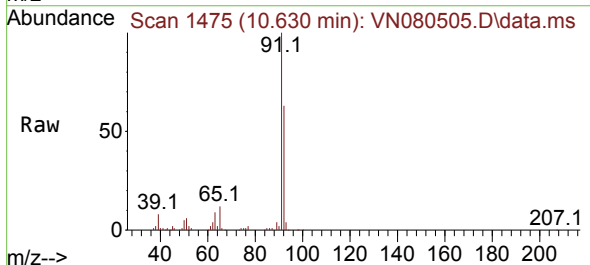
Instrument :  
MSVOA\_N  
ClientSampleId :

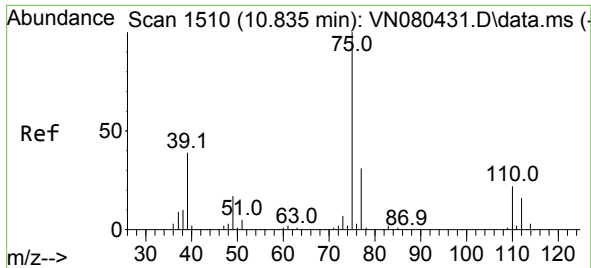
Tgt Ion: 43 Resp: 274812  
Ion Ratio Lower Upper  
43 100  
58 45.9 36.6 54.8



#52  
Toluene  
Concen: 17.095 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 92 Resp: 150561  
Ion Ratio Lower Upper  
92 100  
91 169.3 137.4 206.0

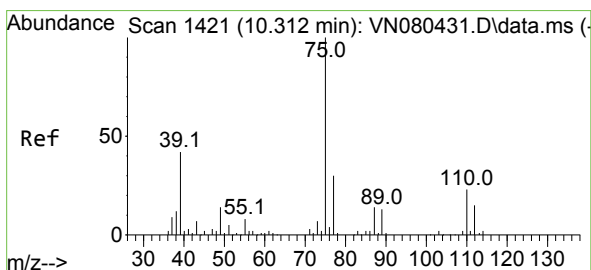
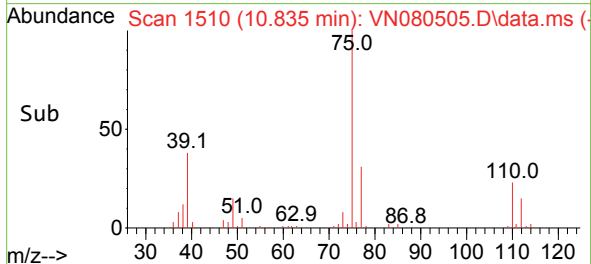
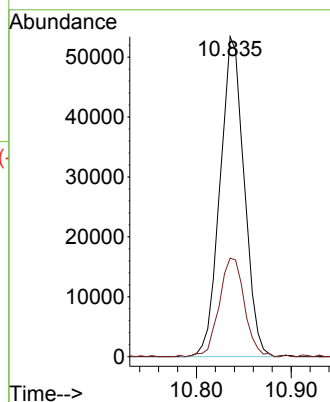
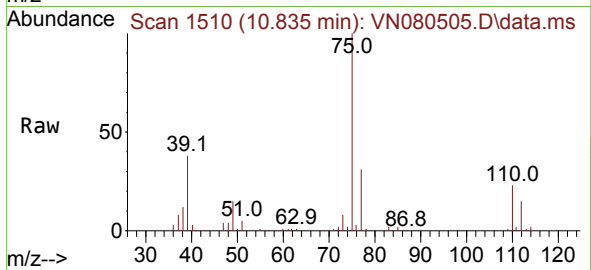




#53  
 t-1,3-Dichloropropene  
 Concen: 17.312 ug/l  
 RT: 10.835 min Scan# 1510  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

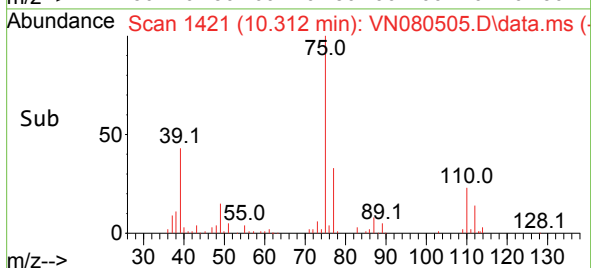
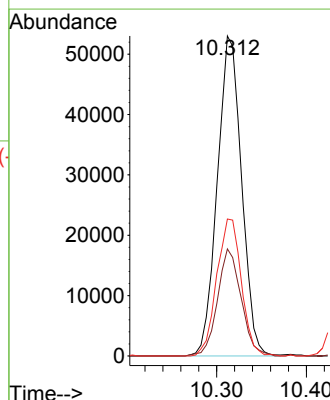
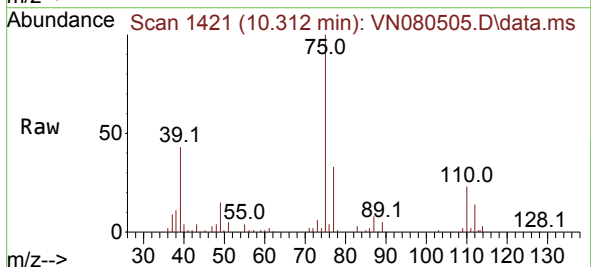
Instrument :  
 MSVOA\_N  
 ClientSampleId :

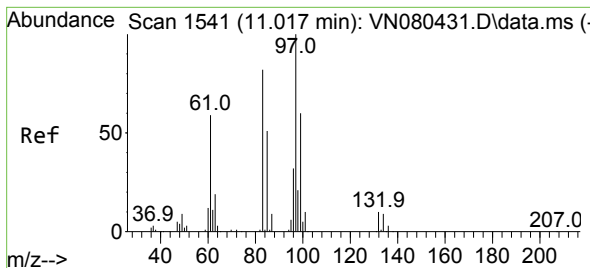
Tgt Ion: 75 Resp: 94399  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 17.082 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

Tgt Ion: 75 Resp: 99556  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 26.1 39.1  
 39 42.8 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 17.706 ug/l

RT: 11.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

Tgt Ion: 97 Resp: 56111

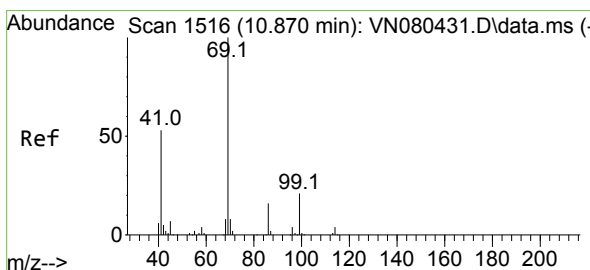
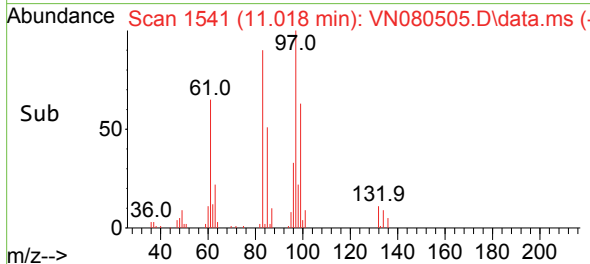
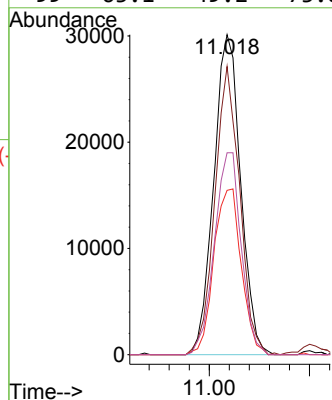
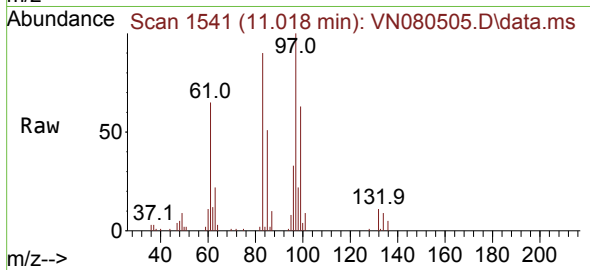
Ion Ratio Lower Upper

97 100

83 90.0 65.1 97.7

85 51.3 43.4 65.2

99 63.1 49.2 73.8



#56

Ethyl methacrylate

Concen: 17.707 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

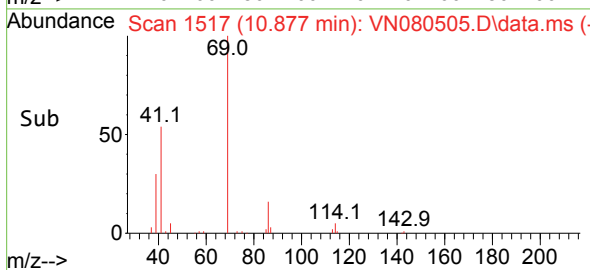
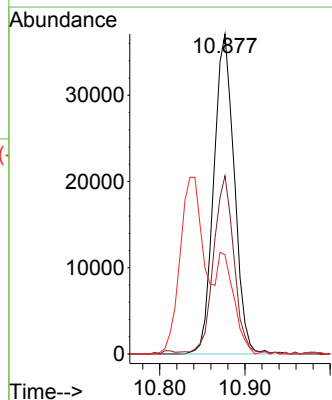
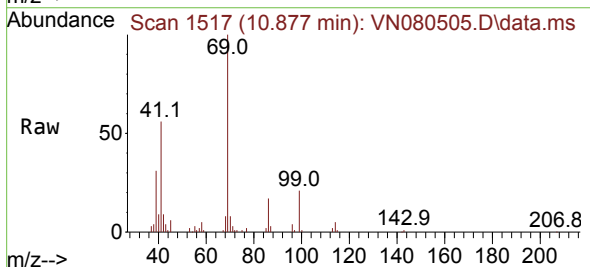
Tgt Ion: 69 Resp: 62127

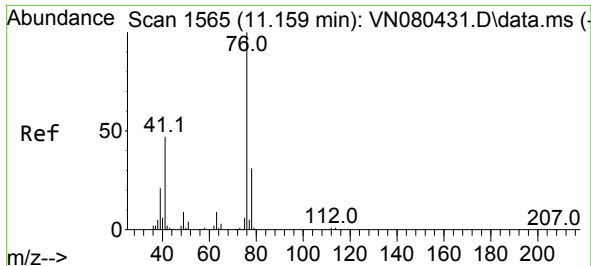
Ion Ratio Lower Upper

69 100

41 55.9 39.6 59.4

39 23.9 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 17.624 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

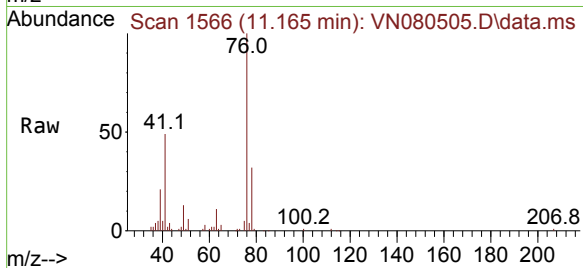
Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

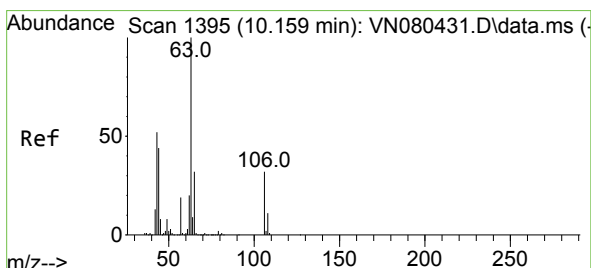
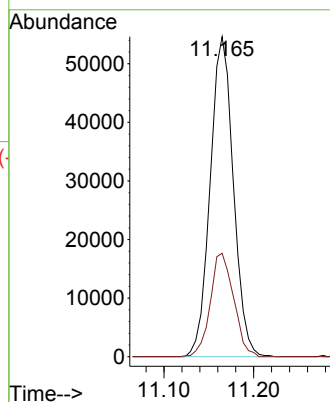
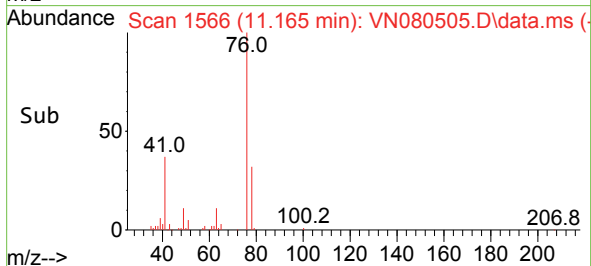


Tgt Ion: 76 Resp: 97909

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 89.082 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN080505.D

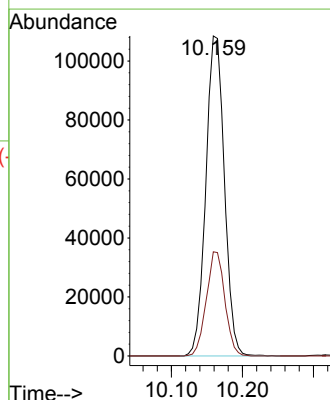
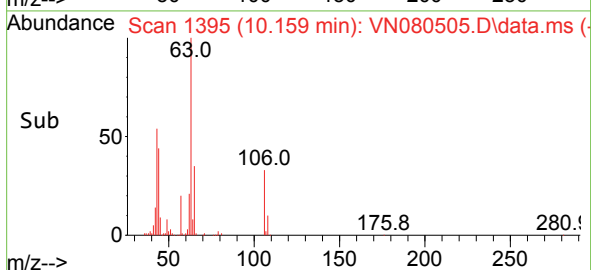
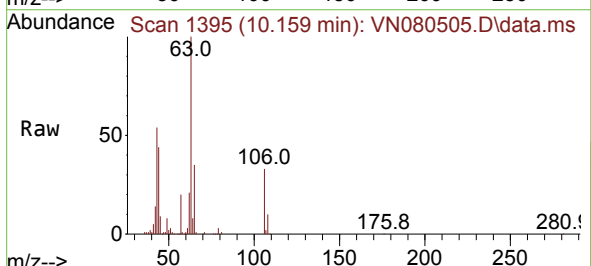
Acq: 15 Dec 2023 15:59

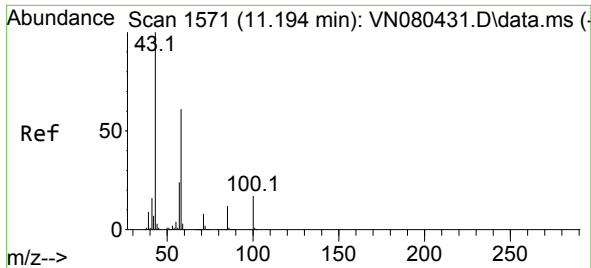
Tgt Ion: 63 Resp: 197315

Ion Ratio Lower Upper

63 100

106 32.4 26.2 39.4

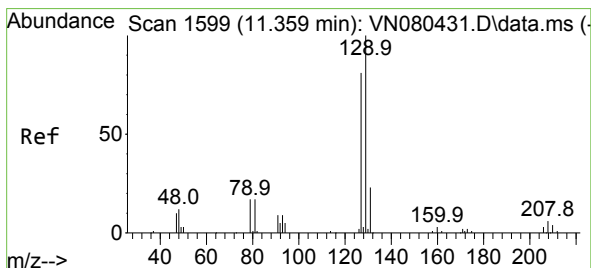
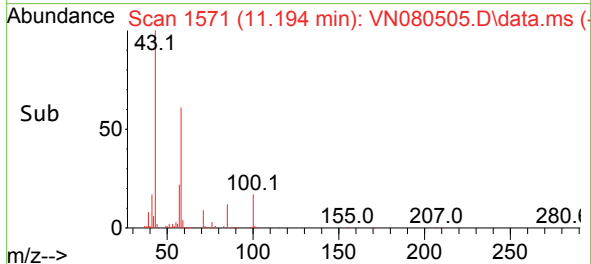
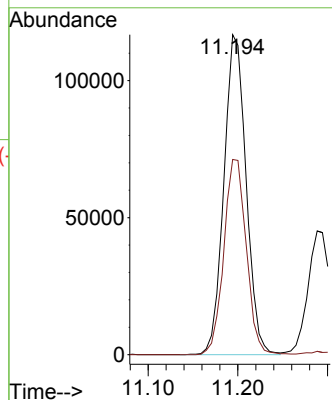
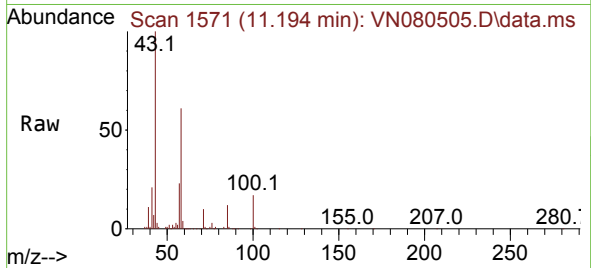




#59  
2-Hexanone  
Concen: 90.873 ug/l  
RT: 11.194 min Scan# 1119  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

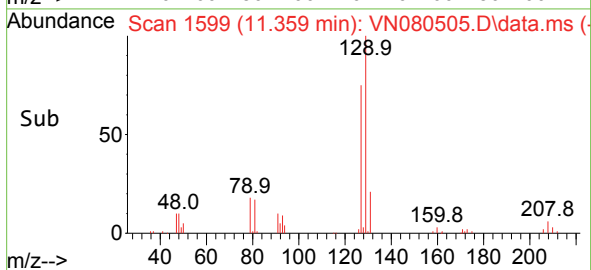
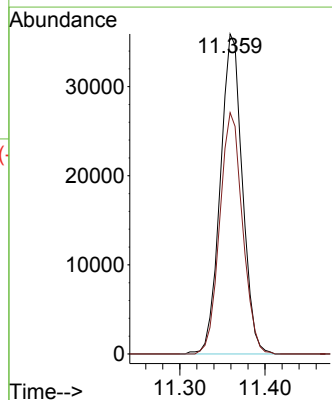
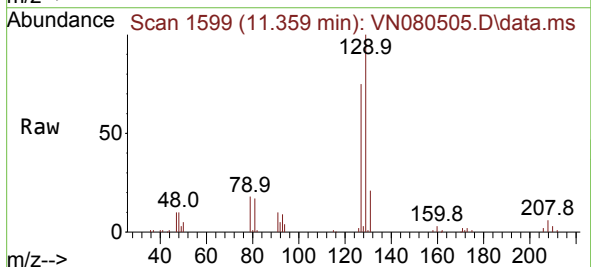
Instrument :  
MSVOA\_N  
ClientSampleId :

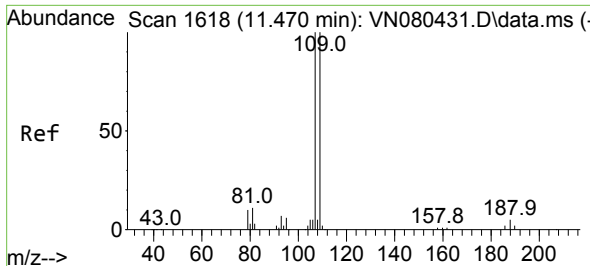
Tgt Ion: 43 Resp: 200844  
Ion Ratio Lower Upper  
43 100  
58 61.7 31.7 95.1



#60  
Dibromochloromethane  
Concen: 17.188 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:129 Resp: 64546  
Ion Ratio Lower Upper  
129 100  
127 77.9 38.6 116.0

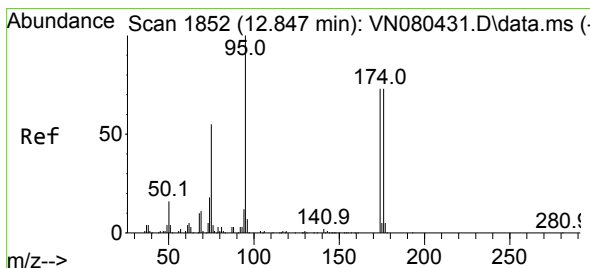
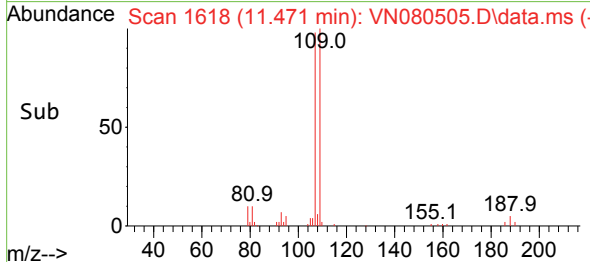
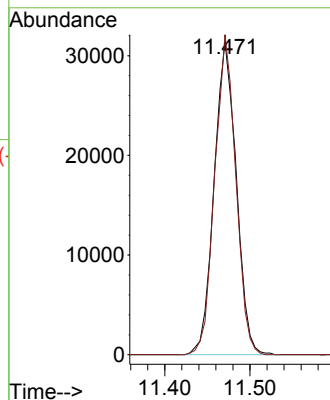
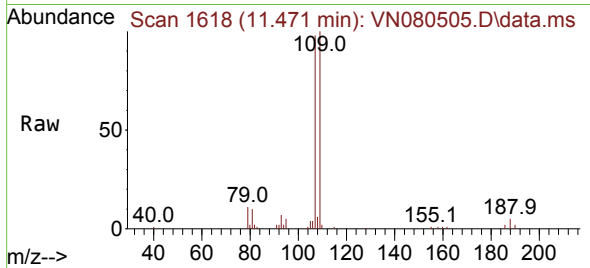




#61  
1,2-Dibromoethane  
Concen: 17.275 ug/l  
RT: 11.471 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

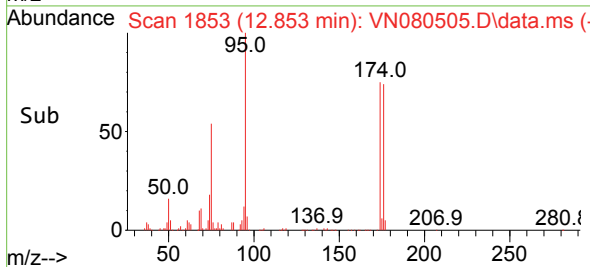
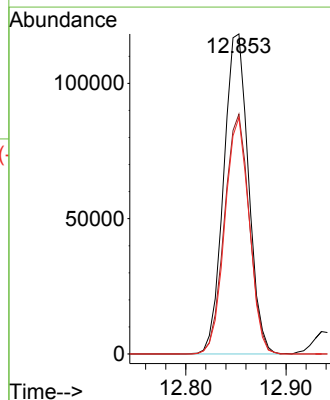
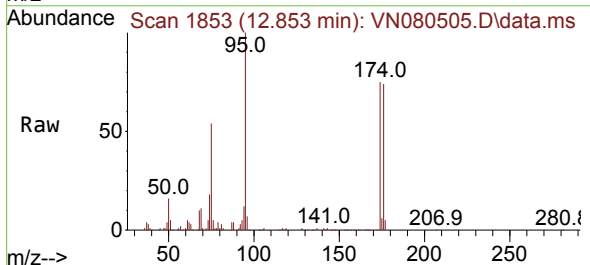
Instrument :  
MSVOA\_N  
ClientSampleId :

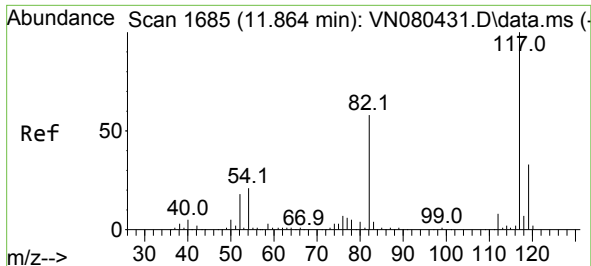
Tgt Ion:107 Resp: 56660  
Ion Ratio Lower Upper  
107 100  
109 97.1 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 48.578 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 95 Resp: 203138  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 143.8  
176 72.2 0.0 135.8

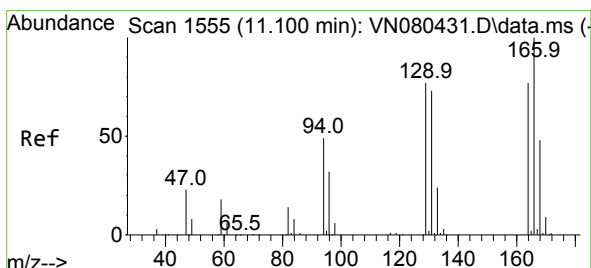
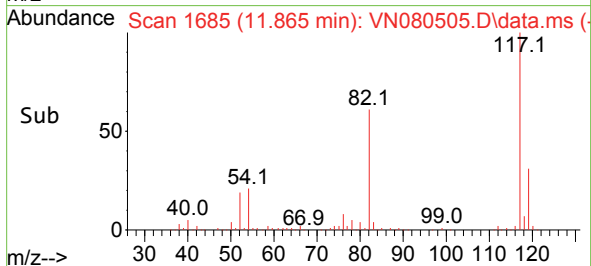
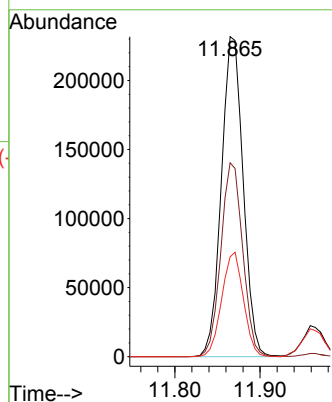
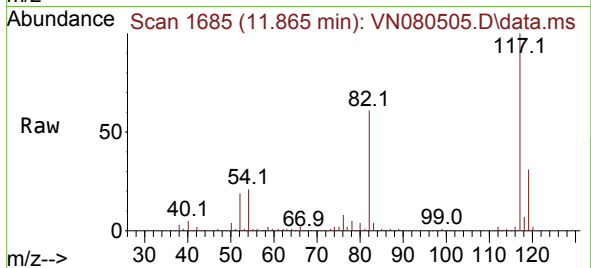




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

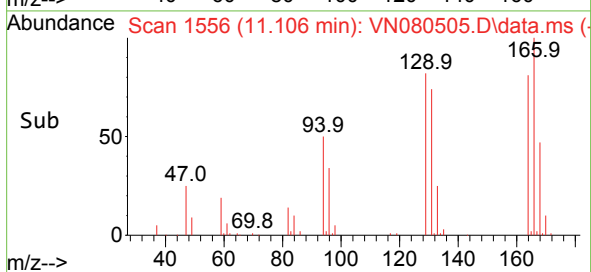
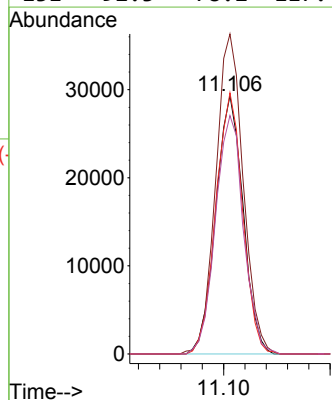
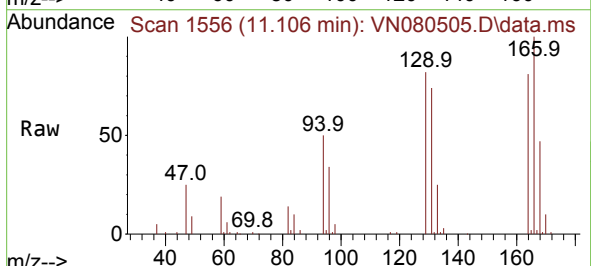
Instrument :  
MSVOA\_N  
ClientSampleId :

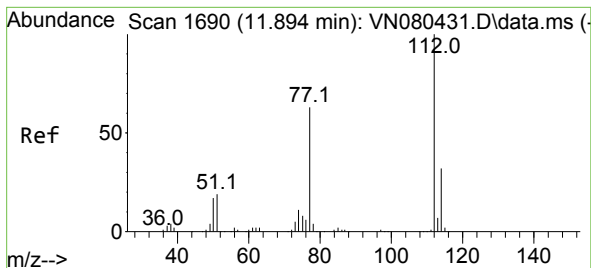
Tgt Ion:117 Resp: 412321  
Ion Ratio Lower Upper  
117 100  
82 60.6 44.0 66.0  
119 31.2 25.6 38.4



#64  
Tetrachloroethene  
Concen: 16.441 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:164 Resp: 52339  
Ion Ratio Lower Upper  
164 100  
166 123.9 101.4 152.0  
129 101.1 82.4 123.6  
131 92.3 78.2 117.4

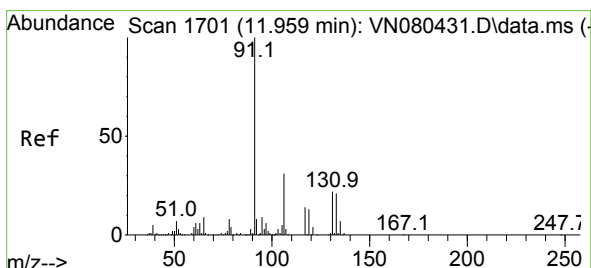
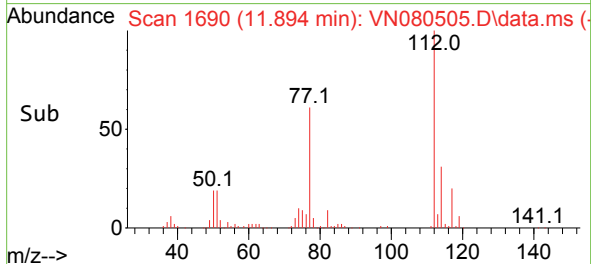
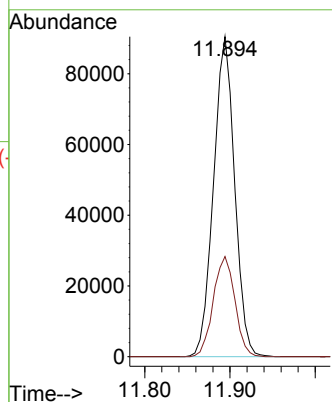
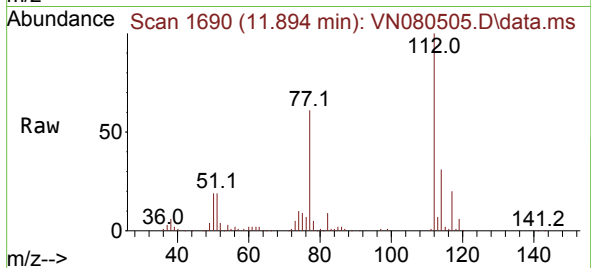




#65  
Chlorobenzene  
Concen: 16.948 ug/l  
RT: 11.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

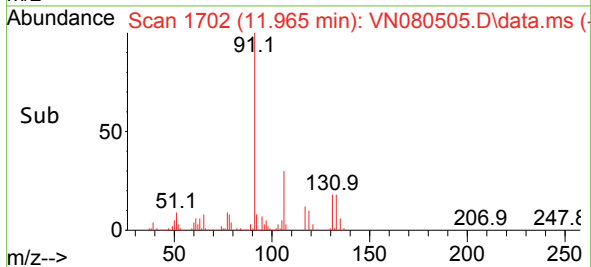
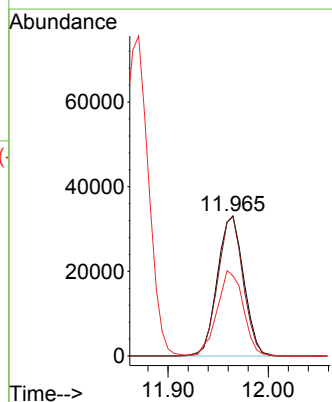
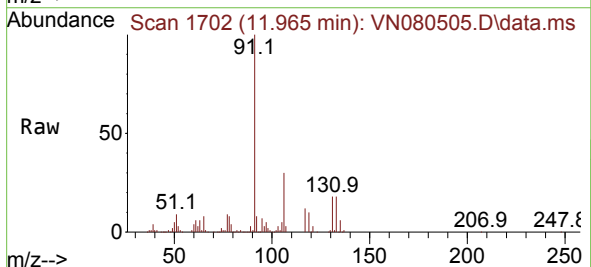
Instrument :  
MSVOA\_N  
ClientSampleId :

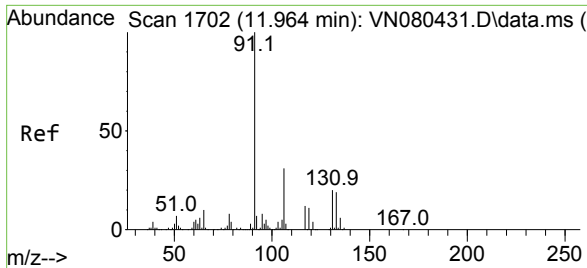
Tgt Ion:112 Resp: 155452  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 16.741 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:131 Resp: 60250  
Ion Ratio Lower Upper  
131 100  
133 96.1 46.4 139.1  
119 60.6 34.1 102.2





#67

Ethyl Benzene

Concen: 17.826 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

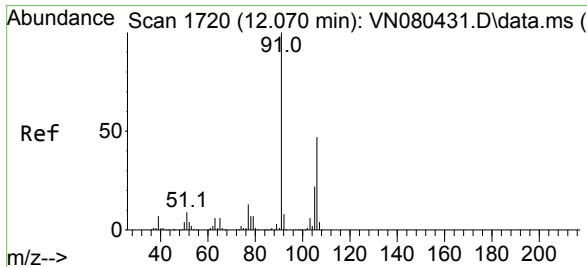
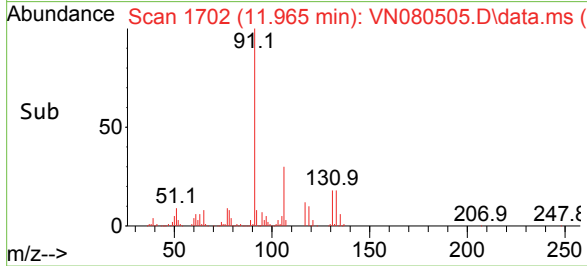
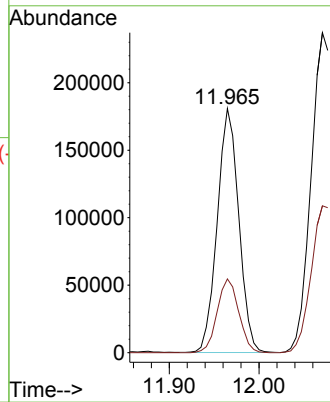
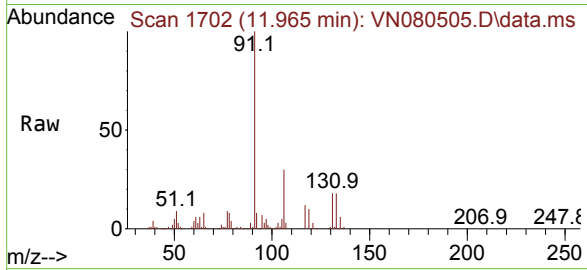
ClientSampleId :

Tgt Ion: 91 Resp: 300646

Ion Ratio Lower Upper

91 100

106 30.3 25.6 38.4



#68

m/p-Xylenes

Concen: 34.933 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN080505.D

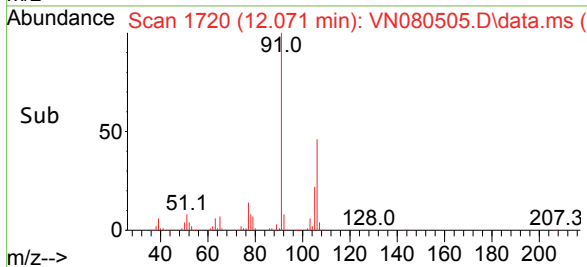
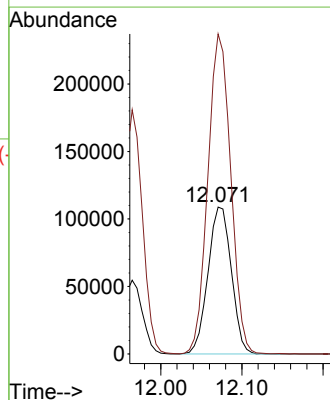
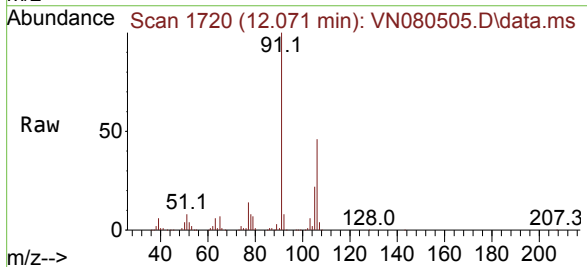
Acq: 15 Dec 2023 15:59

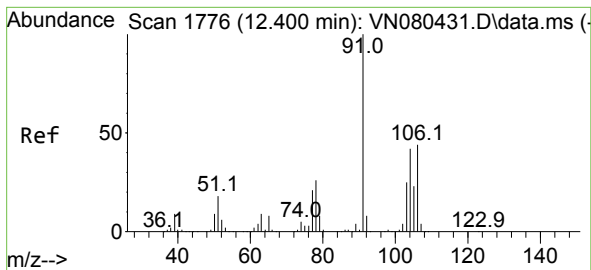
Tgt Ion:106 Resp: 217706

Ion Ratio Lower Upper

106 100

91 212.9 159.6 239.4





#69

o-Xylene

Concen: 17.413 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

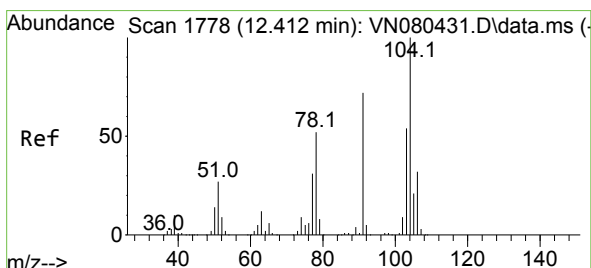
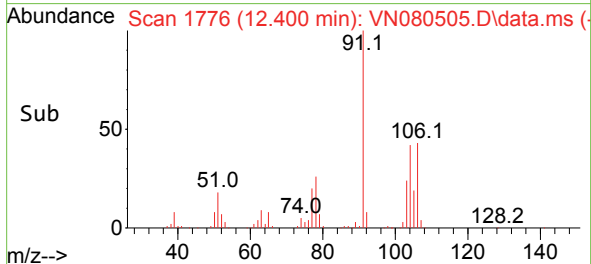
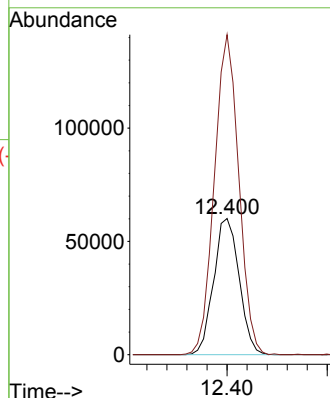
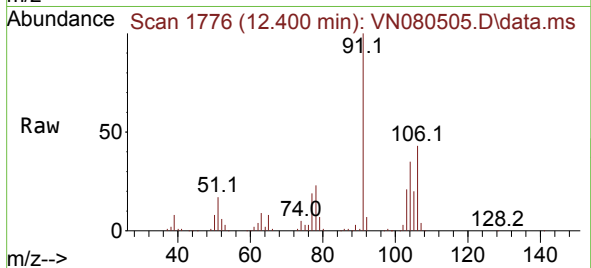
ClientSampleId :

Tgt Ion:106 Resp: 106144

Ion Ratio Lower Upper

106 100

91 224.9 105.2 315.5



#70

Styrene

Concen: 17.245 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

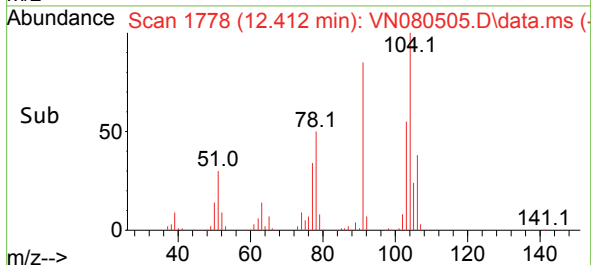
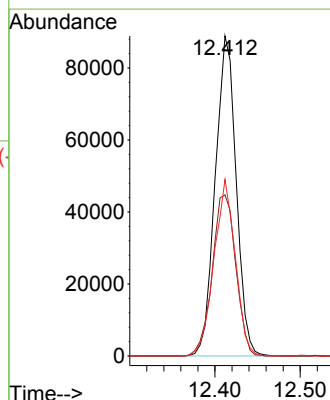
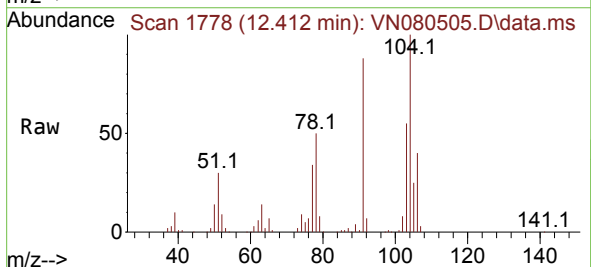
Tgt Ion:104 Resp: 151422

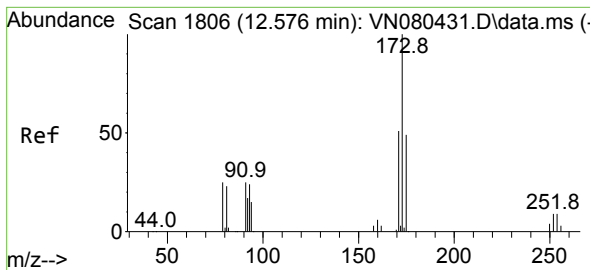
Ion Ratio Lower Upper

104 100

78 56.8 39.5 59.3

103 56.3 43.2 64.8





#71

Bromoform

Concen: 16.769 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

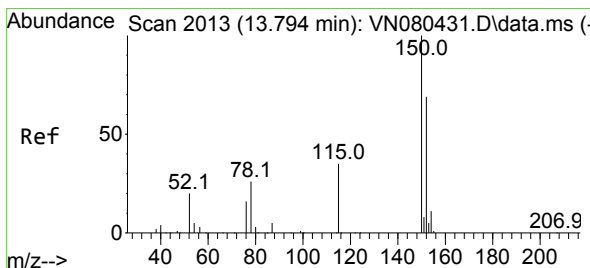
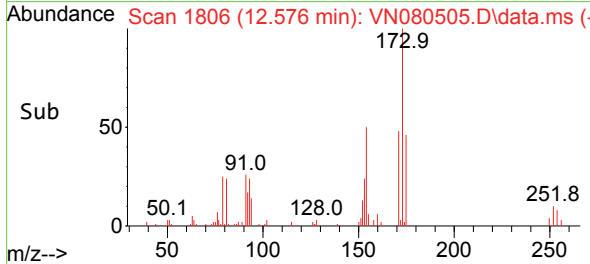
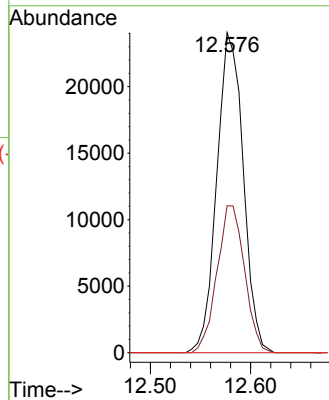
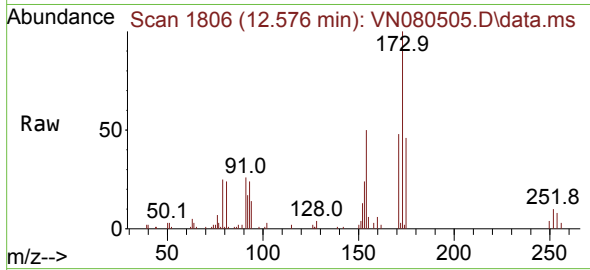
Tgt Ion:173 Resp: 44011

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

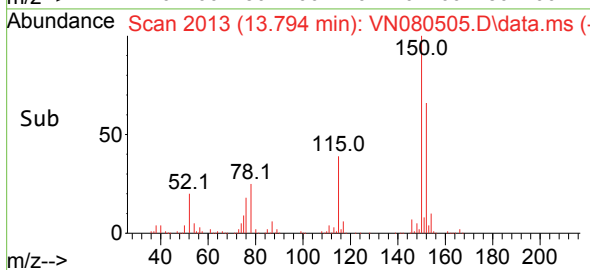
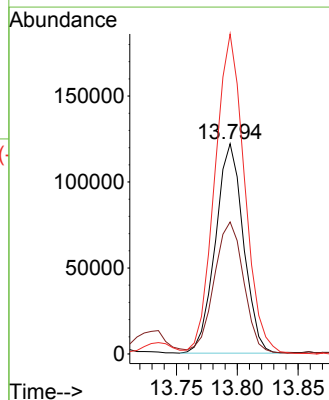
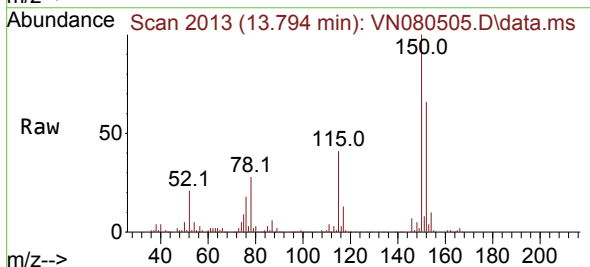
Tgt Ion:152 Resp: 194985

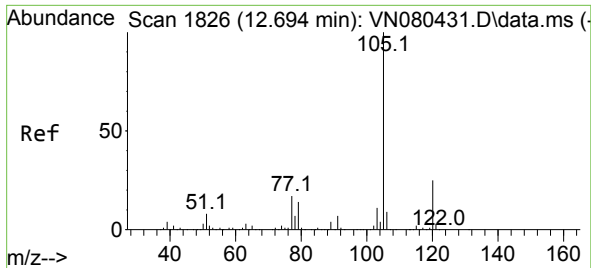
Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 162.6 0.0 355.8

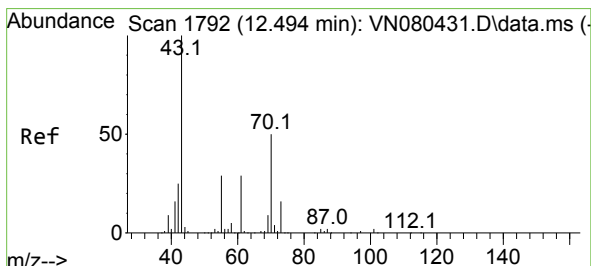
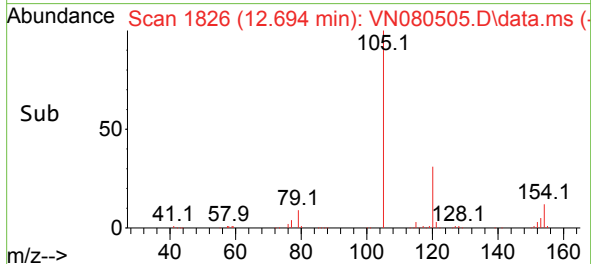
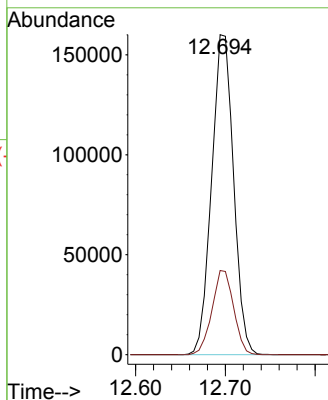
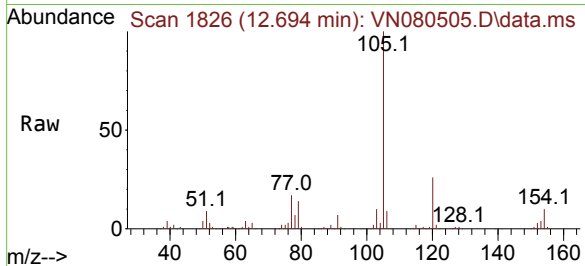




#73  
Isopropylbenzene  
Concen: 17.333 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

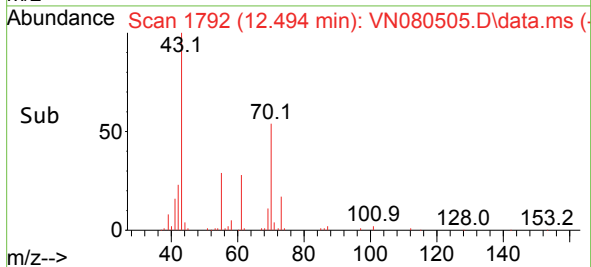
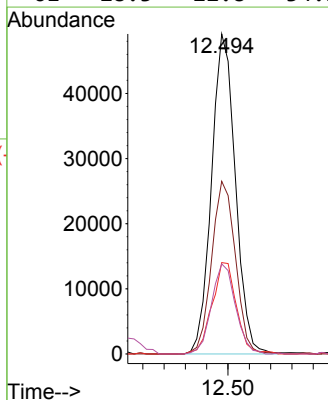
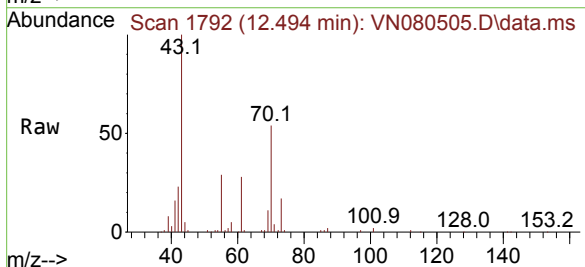
Instrument :  
MSVOA\_N  
ClientSampleId :

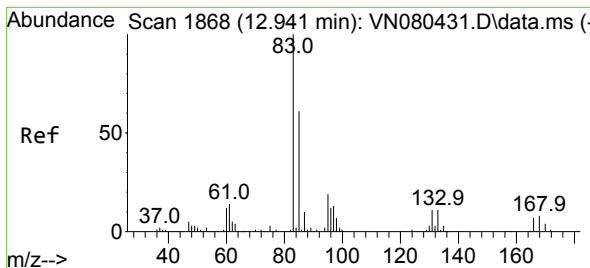
Tgt Ion:105 Resp: 271498  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.1 39.1



#74  
N-ethyl acetate  
Concen: 16.675 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 43 Resp: 76275  
Ion Ratio Lower Upper  
43 100  
70 54.0 43.4 65.2  
55 29.2 21.4 32.0  
61 28.3 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.018 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

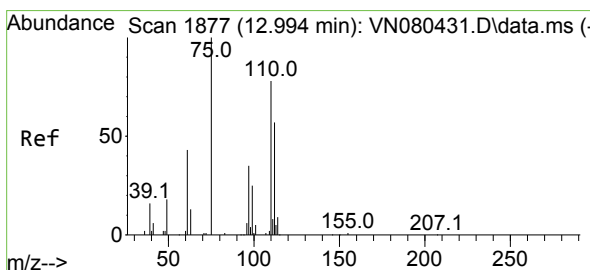
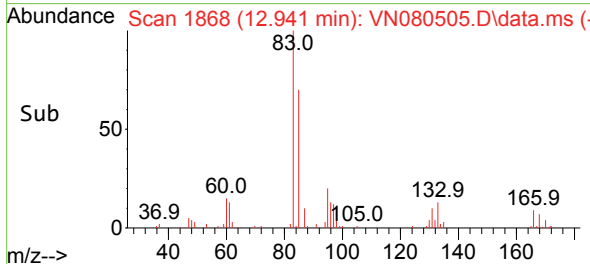
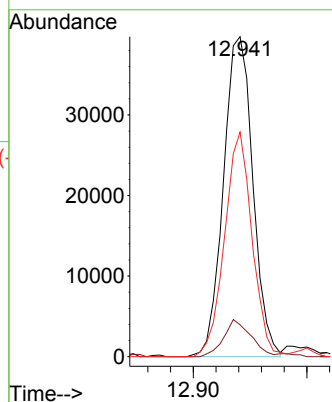
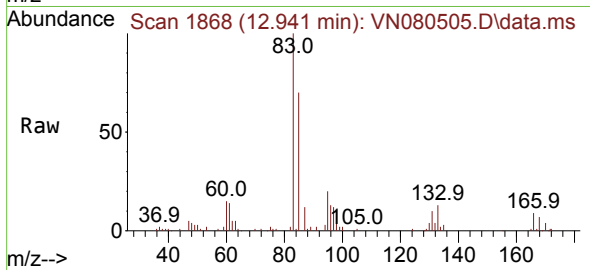
Tgt Ion: 83 Resp: 71431

Ion Ratio Lower Upper

83 100

131 11.4 5.0 15.0

85 65.6 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 25.891 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VN080505.D

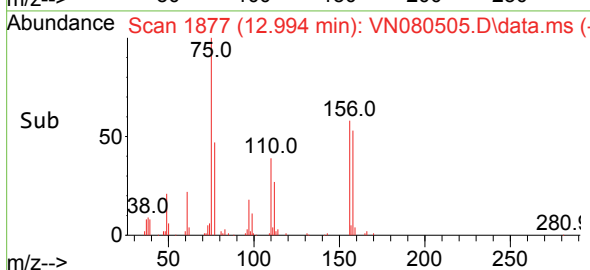
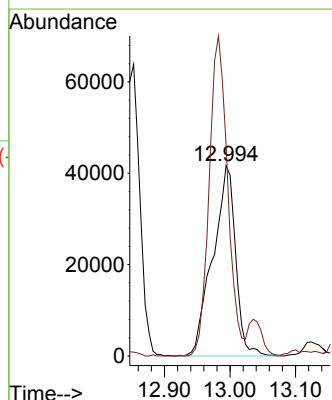
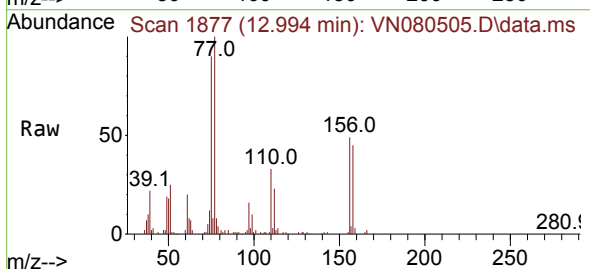
Acq: 15 Dec 2023 15:59

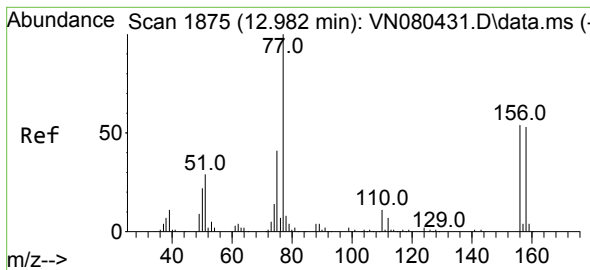
Tgt Ion: 75 Resp: 100713

Ion Ratio Lower Upper

75 100

77 137.0 84.5 253.5





#77

Bromobenzene

Concen: 17.165 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

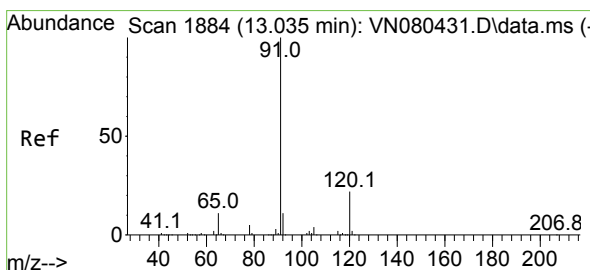
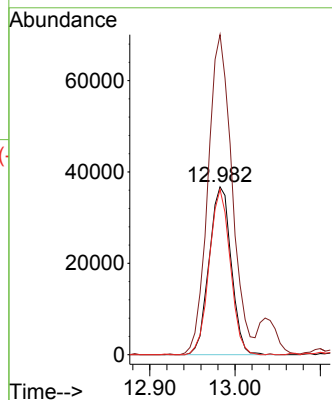
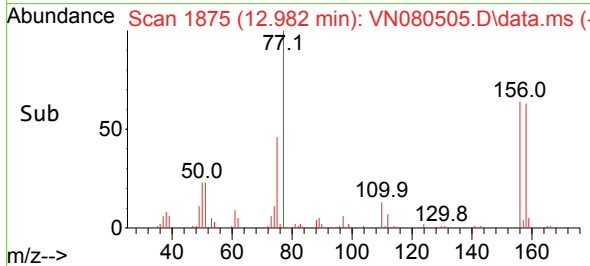
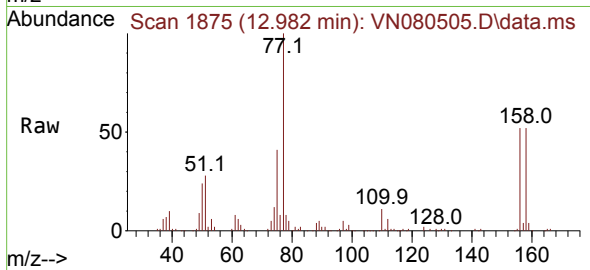
Tgt Ion:156 Resp: 66142

Ion Ratio Lower Upper

156 100

77 208.6 107.7 323.3

158 93.7 48.4 145.3



#78

n-propylbenzene

Concen: 17.266 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN080505.D

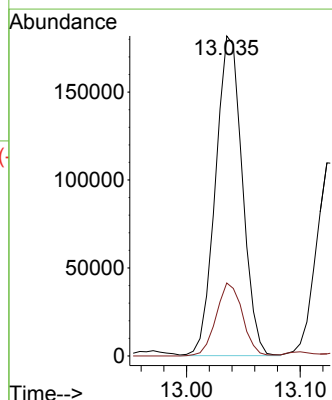
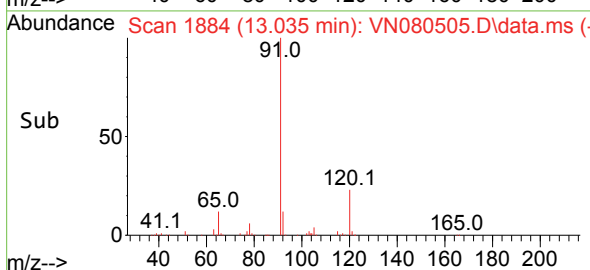
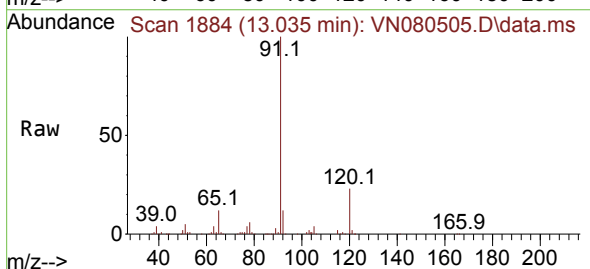
Acq: 15 Dec 2023 15:59

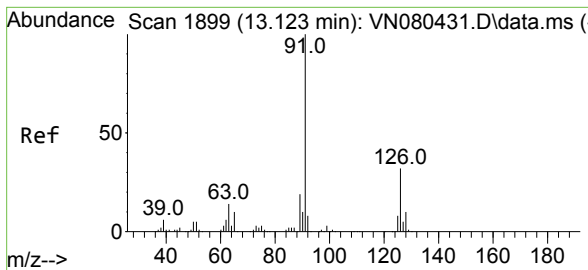
Tgt Ion: 91 Resp: 298184

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4

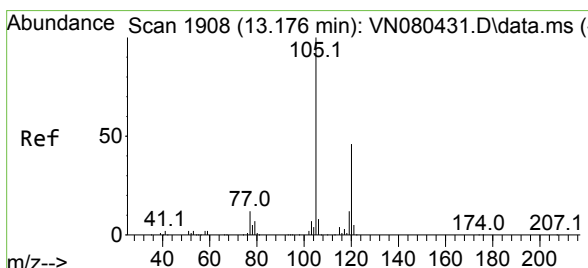
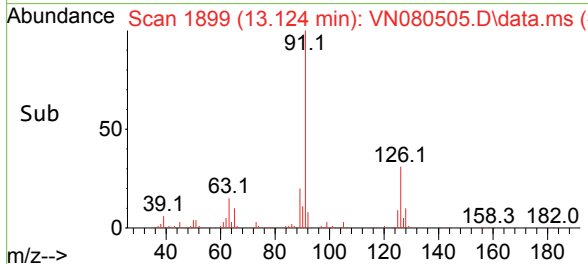
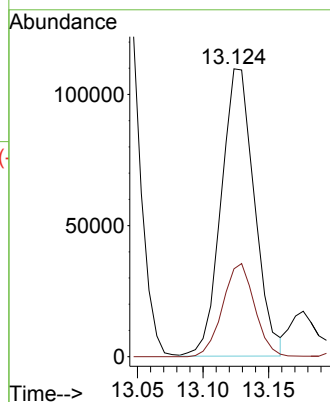
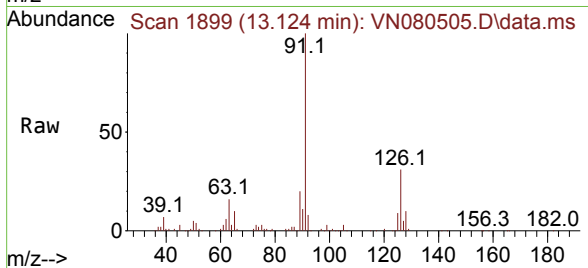




#79  
2-Chlorotoluene  
Concen: 17.158 ug/l  
RT: 13.124 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

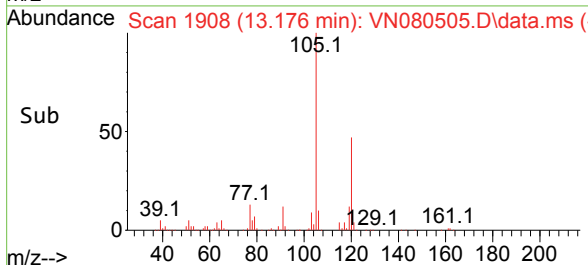
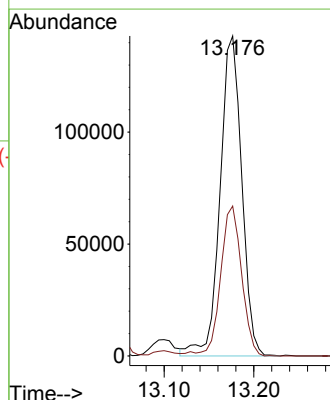
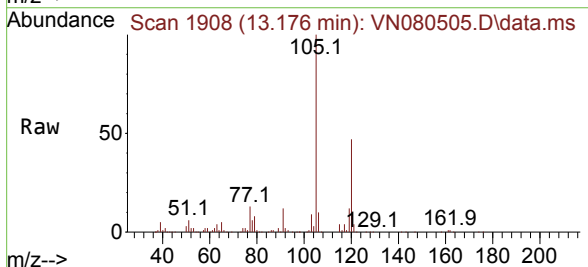
Instrument :  
MSVOA\_N  
ClientSampleId :

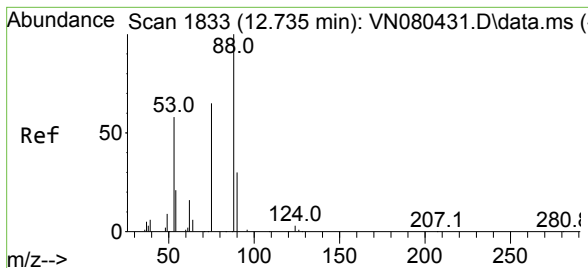
Tgt Ion: 91 Resp: 193455  
Ion Ratio Lower Upper  
91 100  
126 31.2 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 17.788 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion:105 Resp: 239968  
Ion Ratio Lower Upper  
105 100  
120 45.6 24.1 72.3

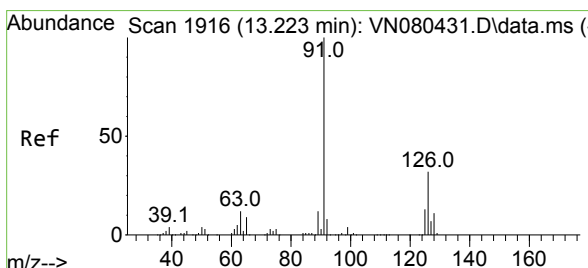
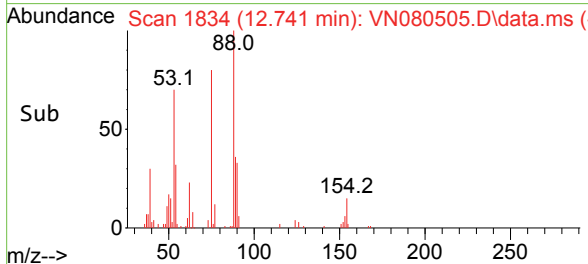
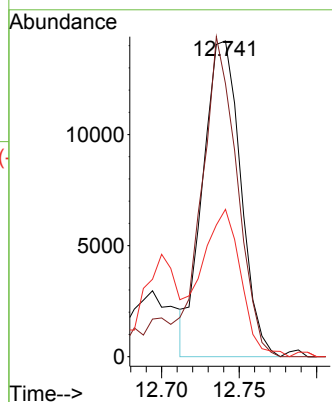
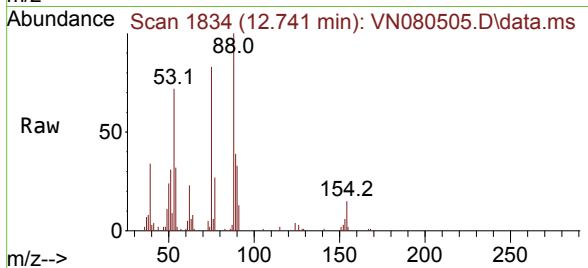




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.191 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

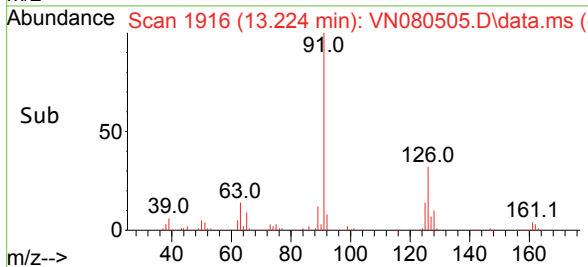
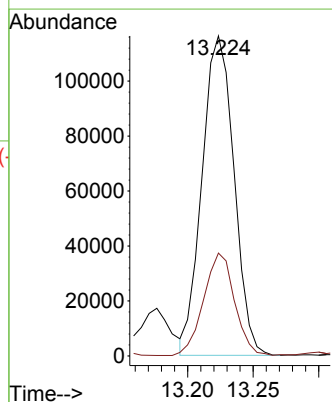
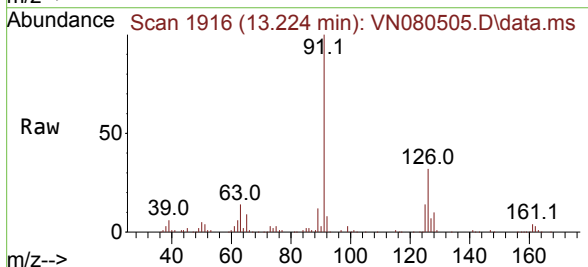
Instrument :  
MSVOA\_N  
ClientSampleId :

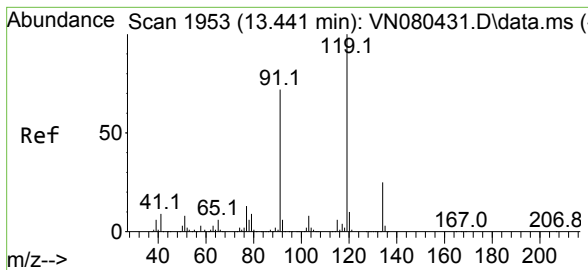
Tgt Ion: 75 Resp: 23987  
Ion Ratio Lower Upper  
75 100  
53 106.8 67.4 101.2#  
89 46.0 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 16.973 ug/l  
RT: 13.224 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN080505.D  
Acq: 15 Dec 2023 15:59

Tgt Ion: 91 Resp: 196706  
Ion Ratio Lower Upper  
91 100  
126 31.1 16.7 50.0

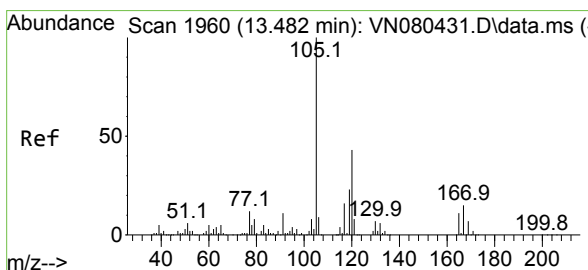
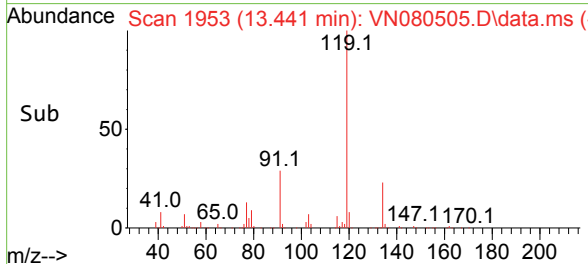
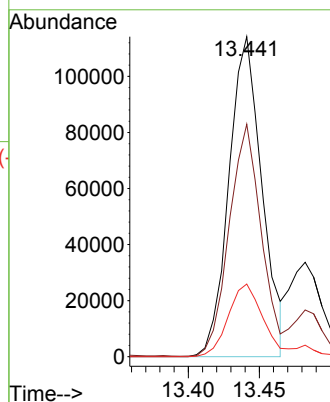
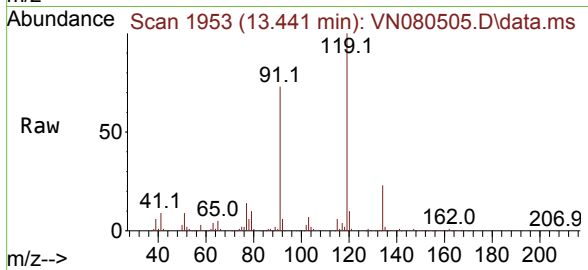




#83  
 tert-Butylbenzene  
 Concen: 16.743 ug/l  
 RT: 13.441 min Scan# 1953  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

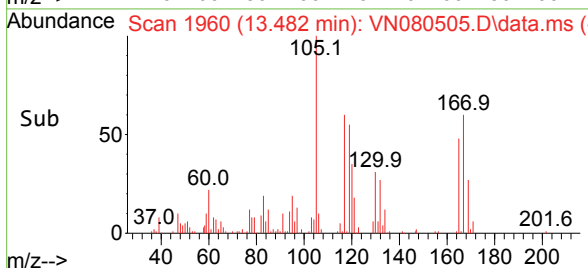
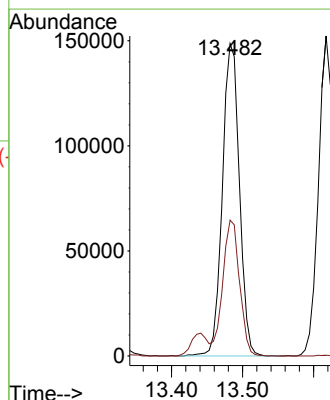
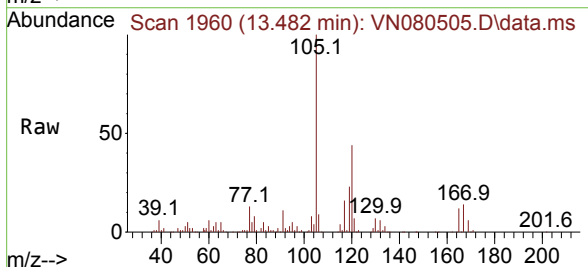
Instrument :  
 MSVOA\_N  
 ClientSampleId :

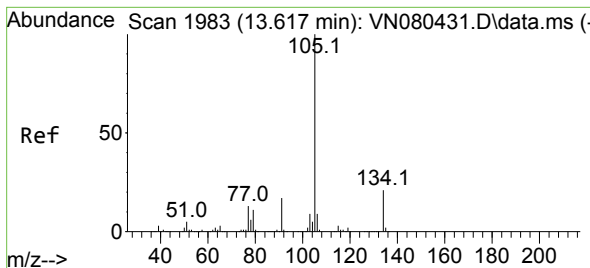
Tgt Ion:119 Resp: 184974  
 Ion Ratio Lower Upper  
 119 100  
 91 72.0 33.9 101.7  
 134 23.8 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.353 ug/l  
 RT: 13.482 min Scan# 1960  
 Delta R.T. 0.000 min  
 Lab File: VN080505.D  
 Acq: 15 Dec 2023 15:59

Tgt Ion:105 Resp: 246312  
 Ion Ratio Lower Upper  
 105 100  
 120 43.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 17.022 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

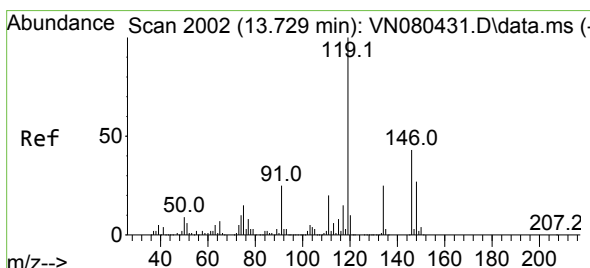
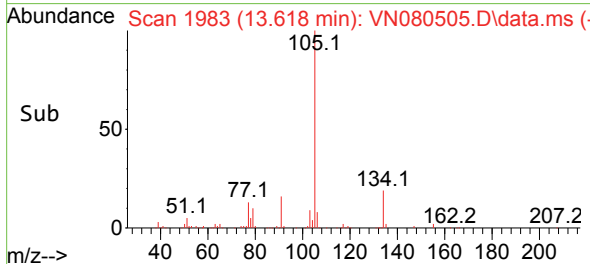
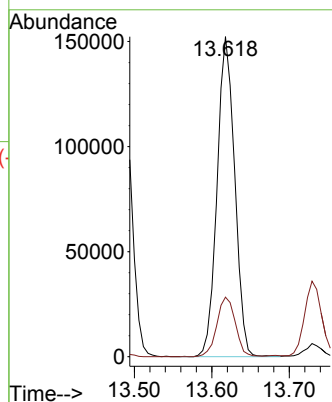
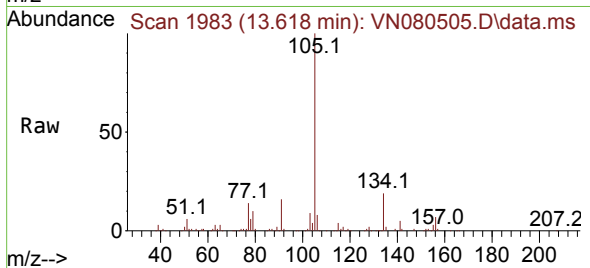
ClientSampleId :

Tgt Ion:105 Resp: 240569

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.3



#86

p-Isopropyltoluene

Concen: 17.405 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

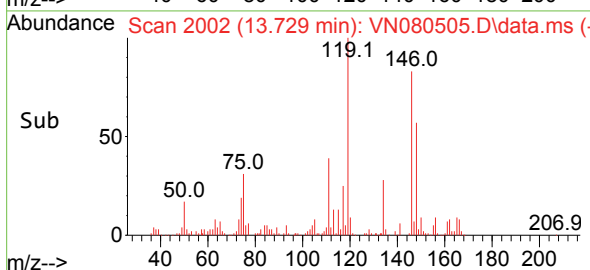
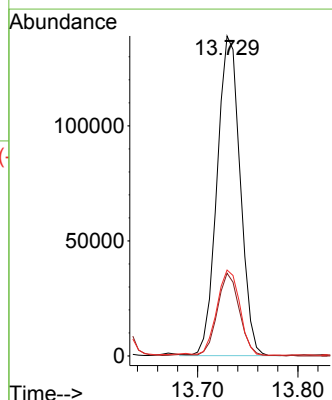
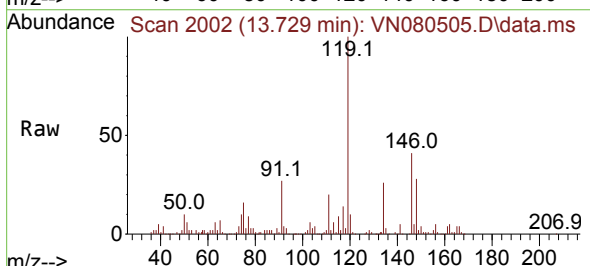
Tgt Ion:119 Resp: 222101

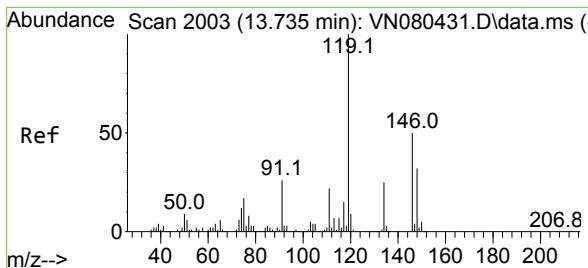
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 27.1 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 16.570 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

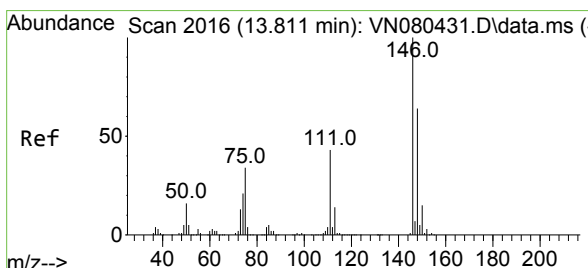
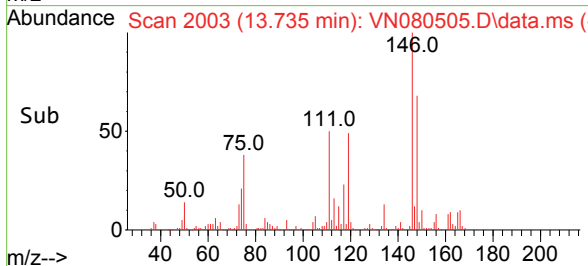
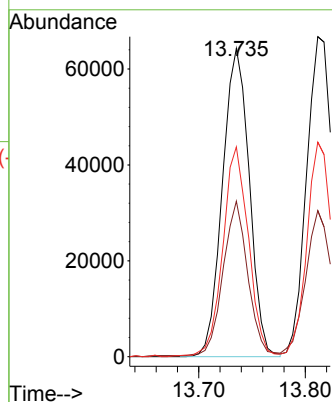
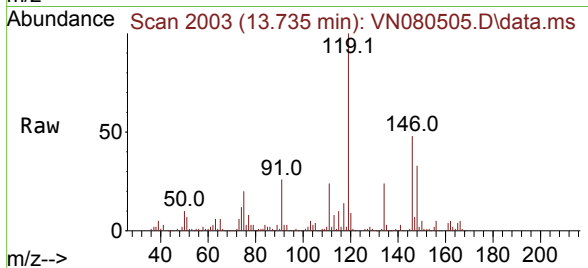
Tgt Ion:146 Resp: 112494

Ion Ratio Lower Upper

146 100

111 46.3 22.1 66.3

148 65.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 16.653 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

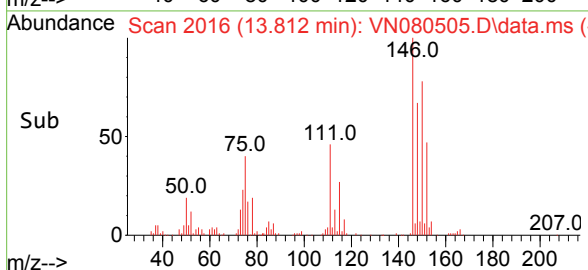
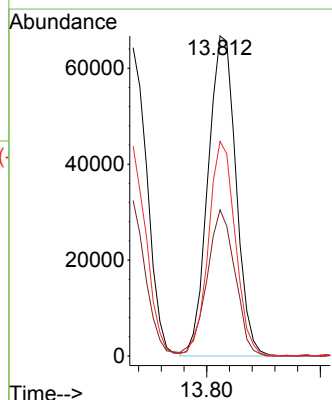
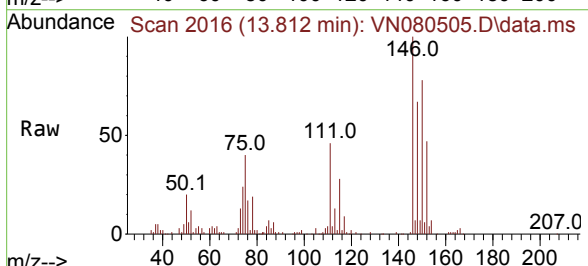
Tgt Ion:146 Resp: 114126

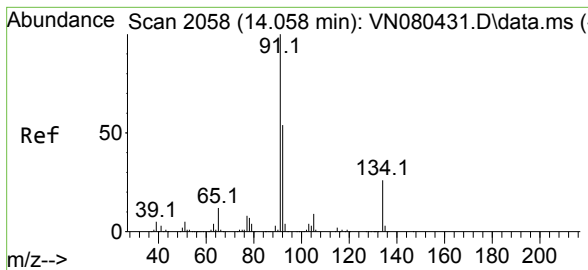
Ion Ratio Lower Upper

146 100

111 45.7 20.6 61.8

148 64.5 31.6 94.8





#89

n-Butylbenzene

Concen: 17.275 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

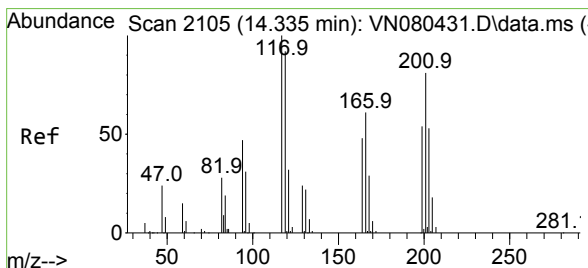
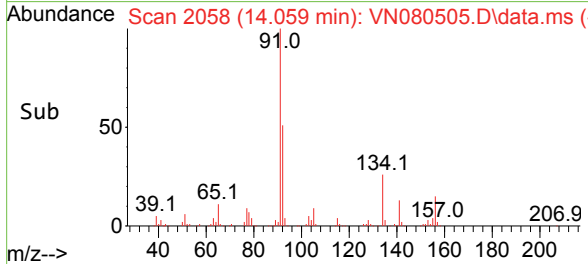
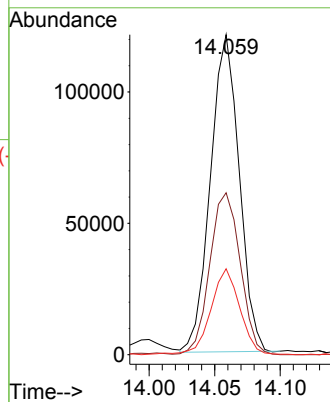
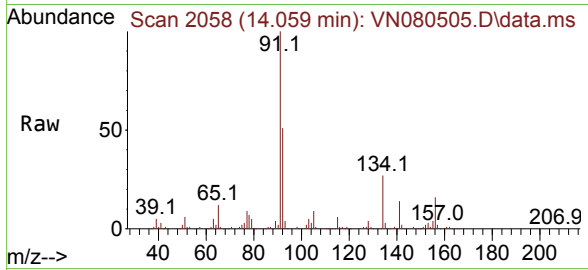
Tgt Ion: 91 Resp: 184091

Ion Ratio Lower Upper

91 100

92 54.1 26.4 79.0

134 27.5 12.6 37.6



#90

Hexachloroethane

Concen: 16.597 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN080505.D

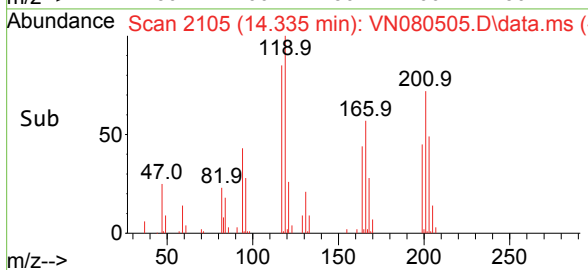
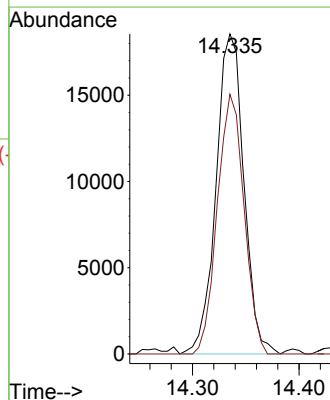
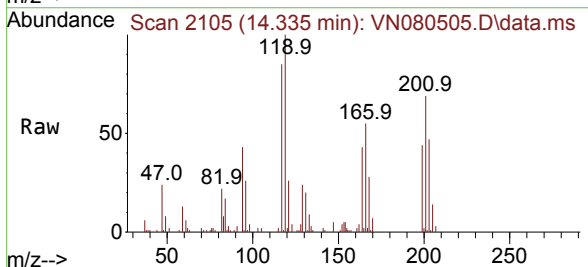
Acq: 15 Dec 2023 15:59

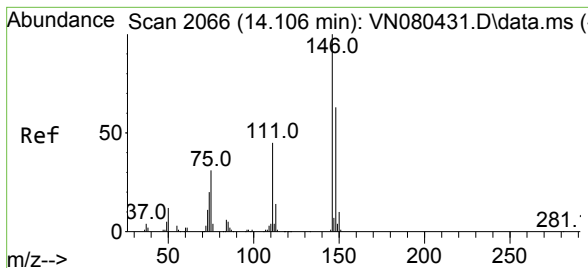
Tgt Ion: 117 Resp: 33635

Ion Ratio Lower Upper

117 100

201 77.9 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 16.996 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

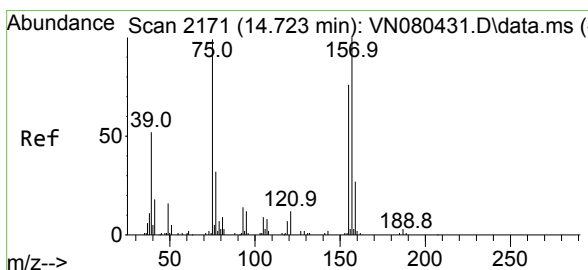
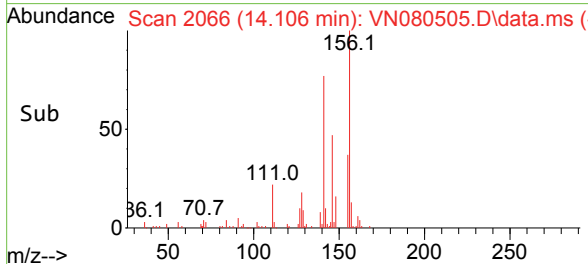
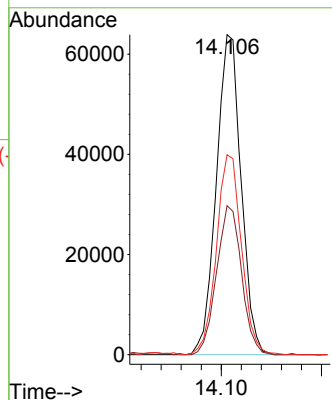
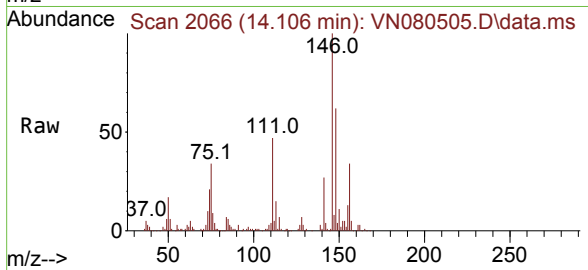
Tgt Ion:146 Resp: 109567

Ion Ratio Lower Upper

146 100

111 46.8 22.0 66.0

148 63.3 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.051 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. -0.006 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

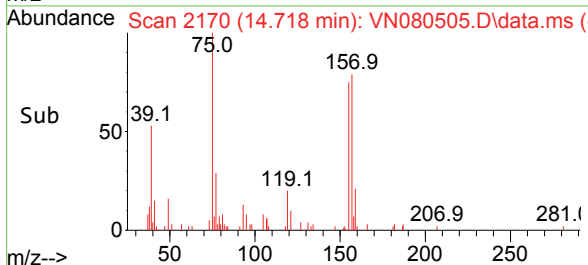
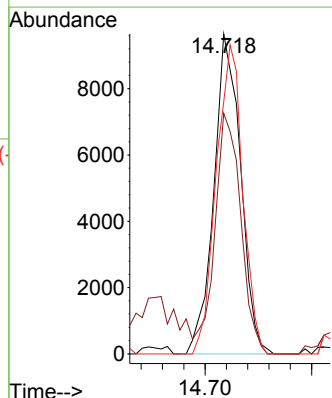
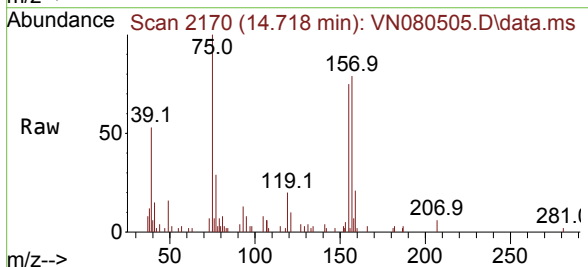
Tgt Ion: 75 Resp: 16819

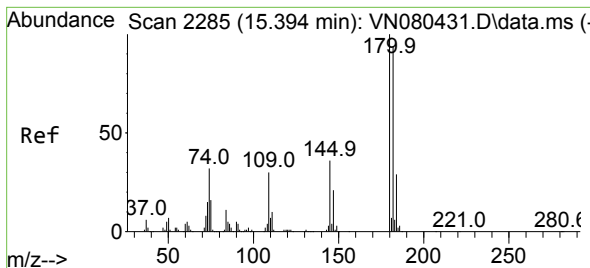
Ion Ratio Lower Upper

75 100

155 72.7 39.1 117.2

157 95.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 18.689 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

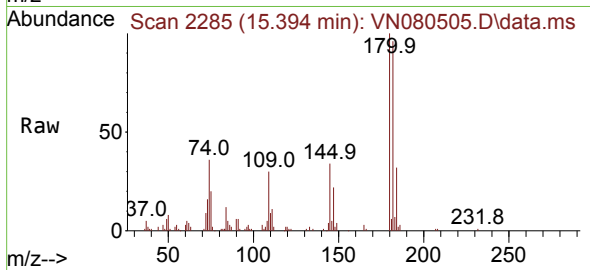
Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :



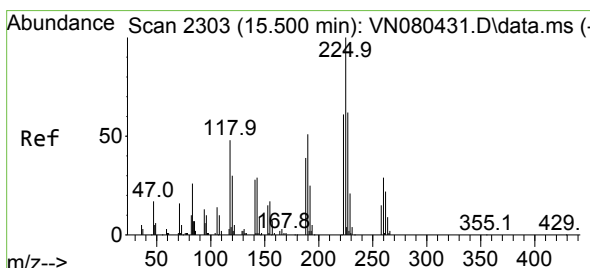
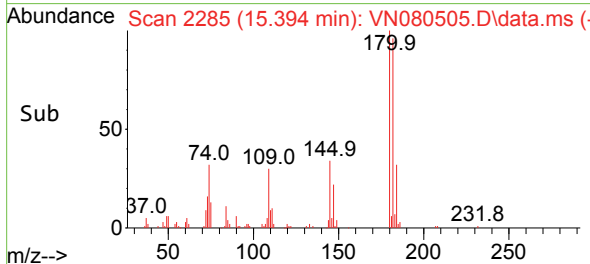
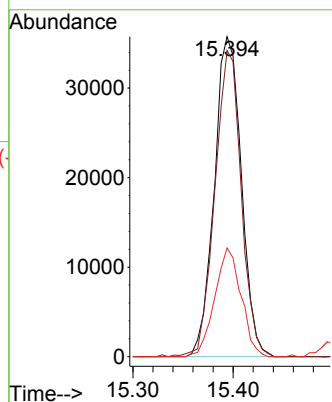
Tgt Ion:180 Resp: 66893

Ion Ratio Lower Upper

180 100

182 93.0 46.1 138.2

145 33.1 16.6 49.8



#94

Hexachlorobutadiene

Concen: 14.900 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

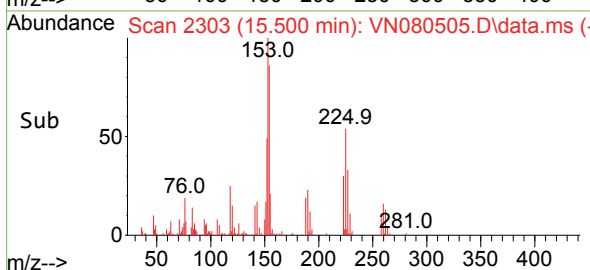
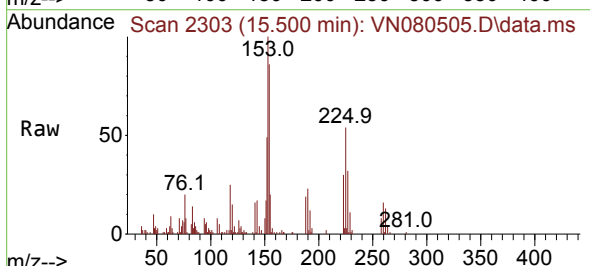
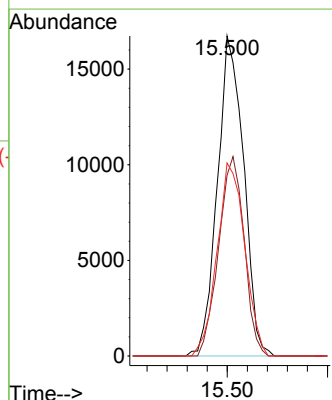
Tgt Ion:225 Resp: 30361

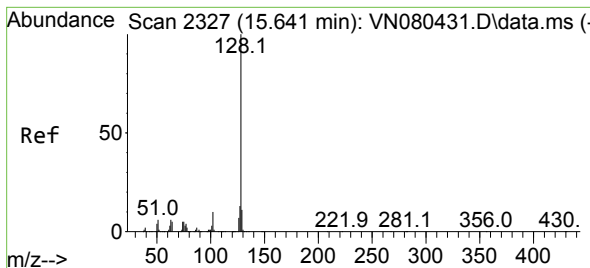
Ion Ratio Lower Upper

225 100

223 60.4 31.3 93.8

227 63.6 31.9 95.9





#95

Naphthalene

Concen: 86.390 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Instrument :

MSVOA\_N

ClientSampleId :

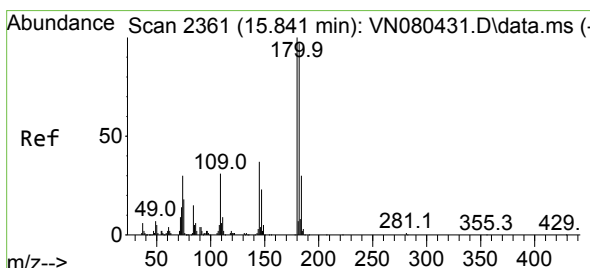
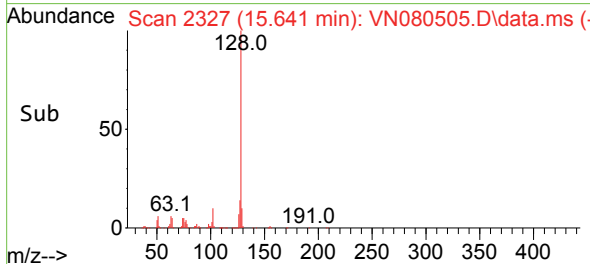
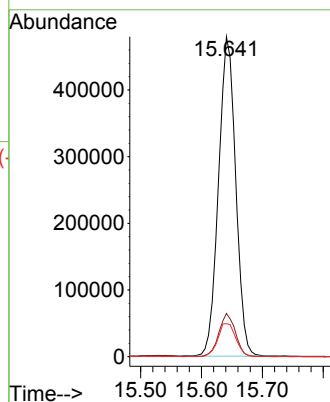
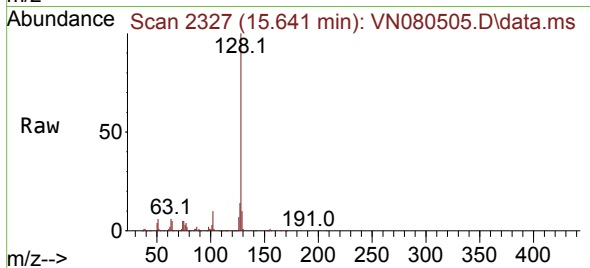
Tgt Ion:128 Resp: 938970

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 17.740 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN080505.D

Acq: 15 Dec 2023 15:59

Tgt Ion:180 Resp: 61273

Ion Ratio Lower Upper

180 100

182 95.9 46.2 138.6

145 36.2 17.5 52.6

