

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100423\  
 Data File : VN079399.D  
 Acq On : 04 Oct 2023 13:04  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 05 02:18:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 156007   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 278196   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 254961   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 114464   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 119163   | 56.584   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 113.160% |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 93187    | 50.358   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 100.720% |      |
| 50) Toluene-d8              | 10.571 | 98    | 332264   | 48.900   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 97.800%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 112884   | 52.083   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 104.160% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 77870   | 50.446  | ug/l   | 98  |
| 3) Chloromethane             | 2.365 | 50  | 100819  | 49.754  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.518 | 62  | 121248  | 54.915  | ug/l   | 95  |
| 5) Bromomethane              | 2.936 | 94  | 69333   | 54.630  | ug/l   | 99  |
| 6) Chloroethane              | 3.112 | 64  | 85694   | 60.894  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.494 | 101 | 159182  | 49.235  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.959 | 74  | 60745   | 54.131  | ug/l   | 64  |
| 9) 1,1,2-Trichlorotrifluo... | 4.377 | 101 | 92440   | 53.762  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.594 | 142 | 103013  | 73.241  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 89967   | 231.395 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 84562   | 50.822  | ug/l   | 87  |
| 13) Acrolein                 | 4.177 | 56  | 135359  | 364.971 | ug/l   | 98  |
| 14) Allyl chloride           | 5.024 | 41  | 136397  | 51.388  | ug/l # | 89  |
| 15) Acrylonitrile            | 5.724 | 53  | 304618  | 302.155 | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 274332  | 306.720 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.712 | 76  | 191729  | 36.869  | ug/l   | 100 |
| 18) Methyl Acetate           | 5.030 | 43  | 239352  | 65.114  | ug/l # | 84  |
| 19) Methyl tert-butyl Ether  | 5.800 | 73  | 334068  | 58.542  | ug/l   | 94  |
| 20) Methylene Chloride       | 5.277 | 84  | 114910  | 52.795  | ug/l # | 84  |
| 21) trans-1,2-Dichloroethene | 5.788 | 96  | 95909   | 49.689  | ug/l # | 79  |
| 22) Diisopropyl ether        | 6.677 | 45  | 377989  | 64.904  | ug/l # | 90  |
| 23) Vinyl Acetate            | 6.606 | 43  | 1073303 | 299.628 | ug/l # | 85  |
| 24) 1,1-Dichloroethane       | 6.571 | 63  | 211947  | 59.036  | ug/l   | 95  |
| 25) 2-Butanone               | 7.488 | 43  | 405276  | 312.299 | ug/l # | 83  |
| 26) 2,2-Dichloropropane      | 7.488 | 77  | 155163  | 52.667  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.494 | 96  | 121437  | 55.022  | ug/l   | 85  |
| 28) Bromochloromethane       | 7.818 | 49  | 101681  | 62.642  | ug/l # | 73  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 266268  | 322.421 | ug/l # | 74  |
| 30) Chloroform               | 7.971 | 83  | 224977  | 60.188  | ug/l   | 94  |
| 31) Cyclohexane              | 8.265 | 56  | 151457  | 49.255  | ug/l # | 82  |
| 32) 1,1,1-Trichloroethane    | 8.171 | 97  | 182471  | 57.268  | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 148472  | 52.053  | ug/l   | 95  |
| 37) Ethyl Acetate            | 7.565 | 43  | 164912  | 57.966  | ug/l # | 89  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 153033  | 51.846  | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.606 | 83  | 135437  | 48.137  | ug/l # | 86  |
| 40) Benzene                  | 8.612 | 78  | 463585  | 53.092  | ug/l   | 100 |

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 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 05 02:18:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 12 05:05:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 85776    | 59.797   | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 174681   | 58.111   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 269826   | 58.126   | ug/l # | 90       |
| 44) Trichloroethene           | 9.359  | 130  | 105612   | 49.099   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.629  | 63   | 129208   | 59.625   | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 84274    | 57.287   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.894  | 83   | 181305   | 60.173   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.688  | 41   | 126231   | 60.709   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 47104    | 1101.401 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 869176   | 322.548  | ug/l   | 89       |
| 52) Toluene                   | 10.635 | 92   | 289133   | 53.882   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 175838   | 55.346   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 191553   | 56.371   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 122390   | 58.127   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 177099   | 59.584   | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 212893   | 58.489   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 346975   | 274.530  | ug/l   | 89       |
| 59) 2-Hexanone                | 11.200 | 43   | 620926   | 318.138  | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.365 | 129  | 125968   | 56.213   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 115716   | 55.069   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 86718    | 46.645   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 297735   | 51.548   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 117875   | 54.424   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.970 | 91   | 547051   | 55.373   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.076 | 106  | 412533   | 112.028  | ug/l   | 96       |
| 69) o-Xylene                  | 12.406 | 106  | 200753   | 56.843   | ug/l   | 95       |
| 70) Styrene                   | 12.417 | 104  | 341089   | 60.050   | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 85186    | 53.277   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 518162   | 49.755   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.500 | 43   | 212456   | 53.772   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 185615   | 47.864   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 215577   | 69.880   | ug/l   | 70       |
| 77) Bromobenzene              | 12.982 | 156  | 120497   | 45.695   | ug/l   | 94       |
| 78) n-propylbenzene           | 13.041 | 91   | 614742   | 52.548   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 370704   | 48.448   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 437515   | 50.419   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 50608    | 45.100   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 361921   | 50.339   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 353528   | 49.247   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 431139   | 52.170   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 509353   | 51.539   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 403503   | 51.105   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 212318   | 49.089   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 205595   | 47.042   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 326227   | 52.542   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 81533    | 50.850   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146  | 209253   | 49.009   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 28530    | 48.395   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 66757    | 43.508   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 46252    | 38.320   | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 179203   | 39.324   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 72974    | 40.319   | ug/l   | 97       |

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Data File : VN079399.D  
Acq On : 04 Oct 2023 13:04  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

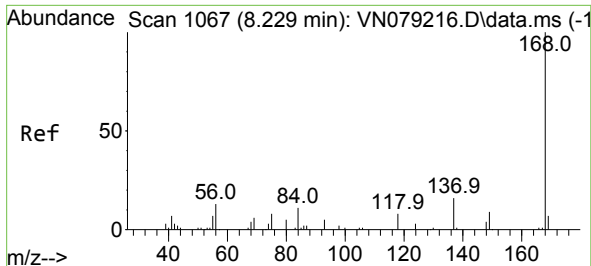
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration

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

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

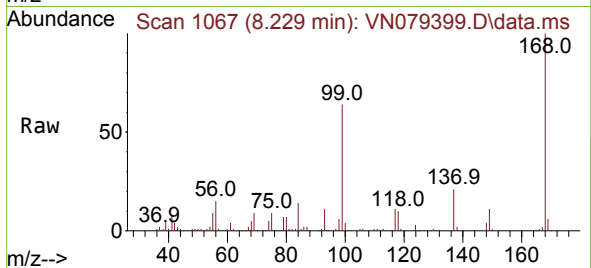
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N091123W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 12 05:05:24 2023  
Response via : Initial Calibration



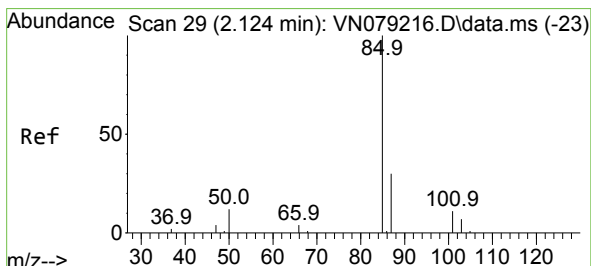
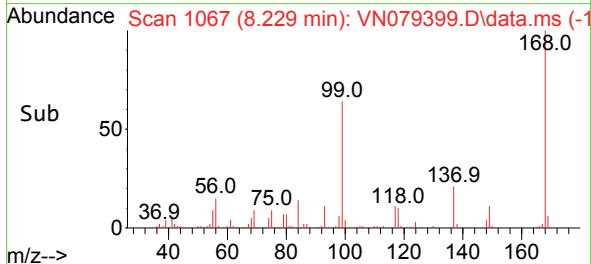
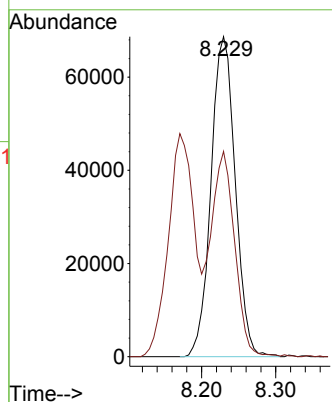


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

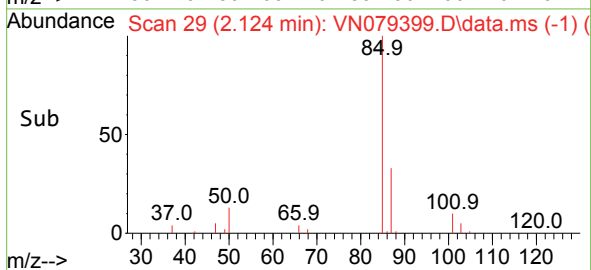
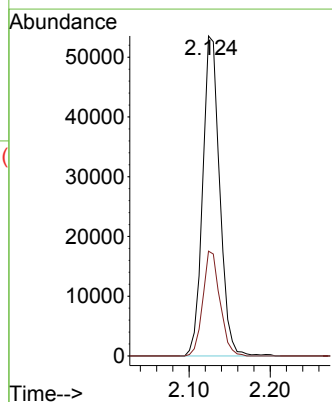
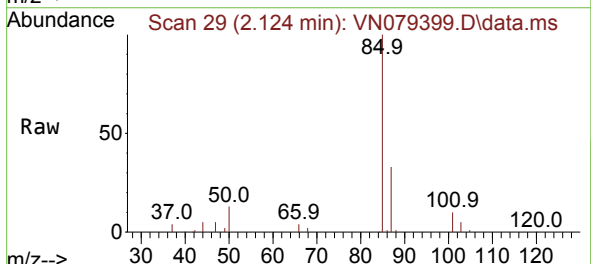


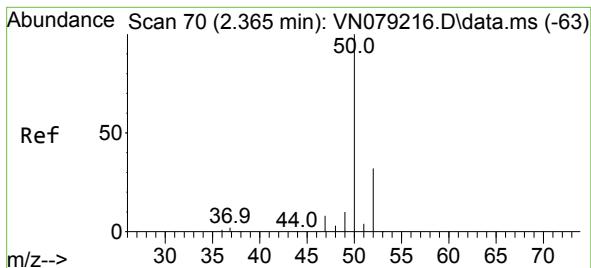
Tgt Ion:168 Resp: 156007  
Ion Ratio Lower Upper  
168 100  
99 63.9 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 50.446 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 85 Resp: 77870  
Ion Ratio Lower Upper  
85 100  
87 32.7 15.8 47.4





#3

Chloromethane

Concen: 49.754 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

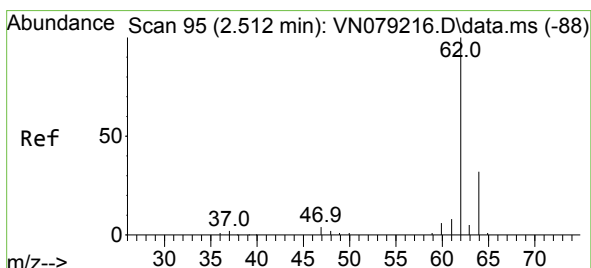
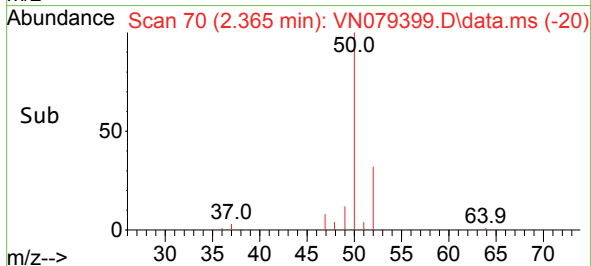
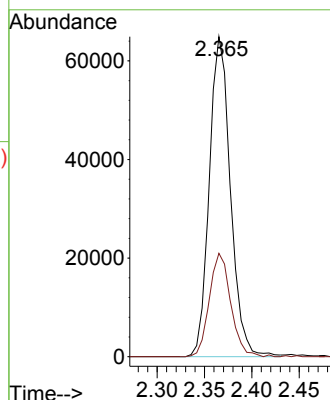
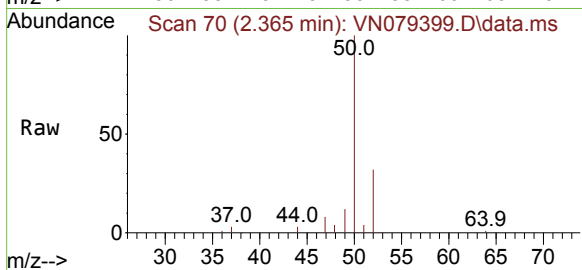
ClientSampleId :

Tgt Ion: 50 Resp: 100819

Ion Ratio Lower Upper

50 100

52 32.3 26.5 39.7



#4

Vinyl Chloride

Concen: 54.915 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079399.D

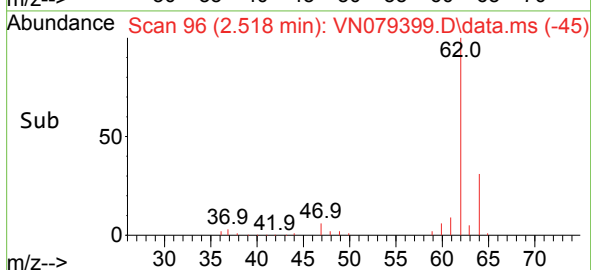
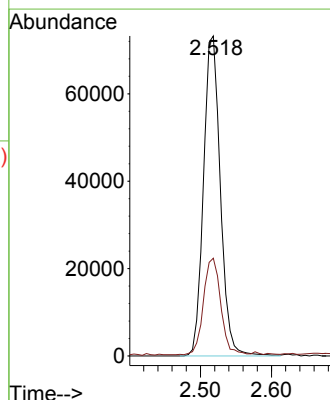
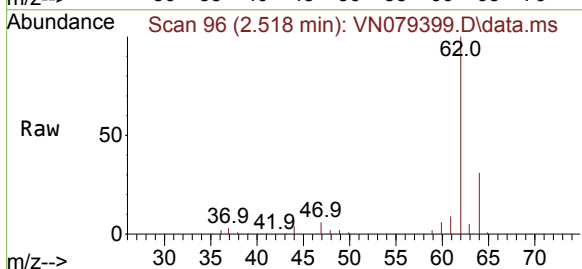
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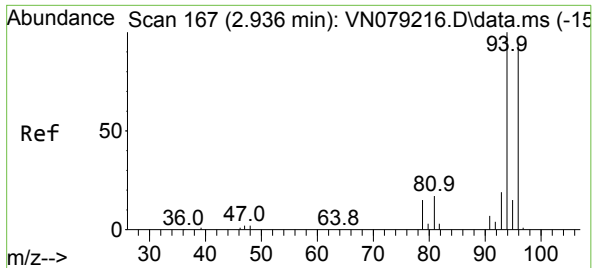
Tgt Ion: 62 Resp: 121248

Ion Ratio Lower Upper

62 100

64 30.1 26.2 39.2

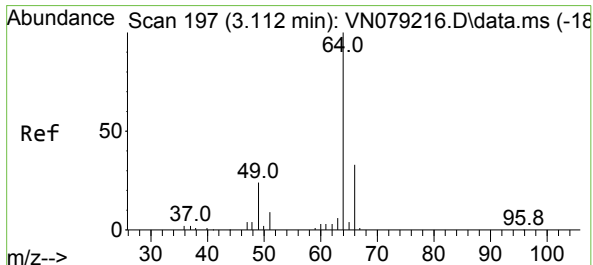
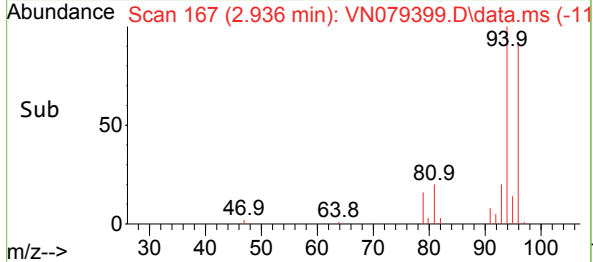
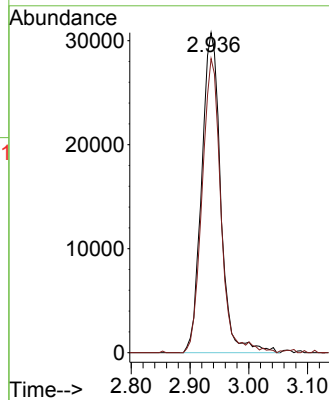
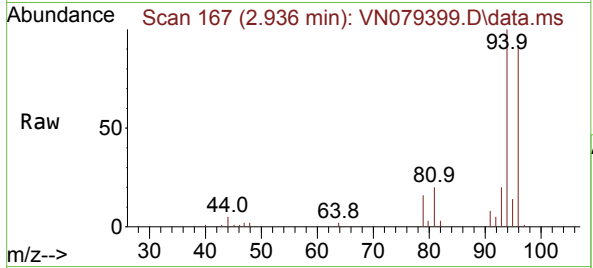




#5  
Bromomethane  
Concen: 54.630 ug/l  
RT: 2.936 min Scan# 167  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

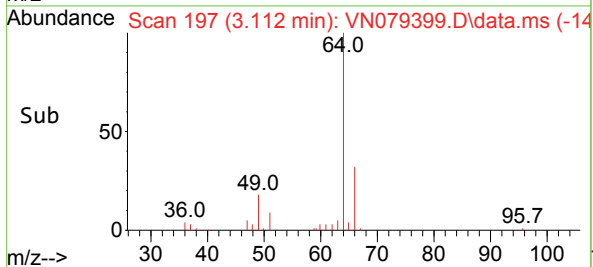
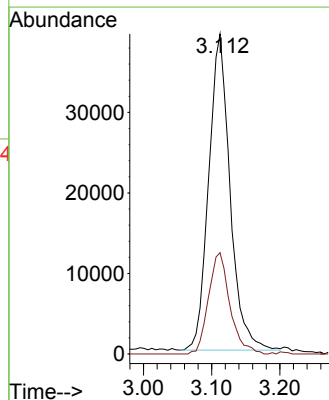
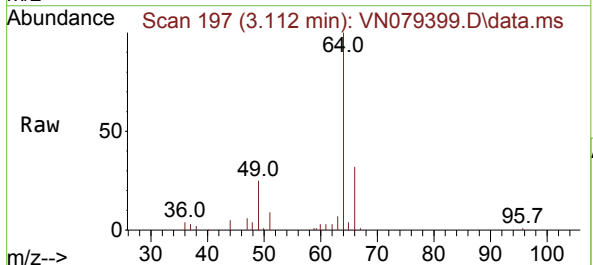
Instrument :  
MSVOA\_N  
ClientSampleId :

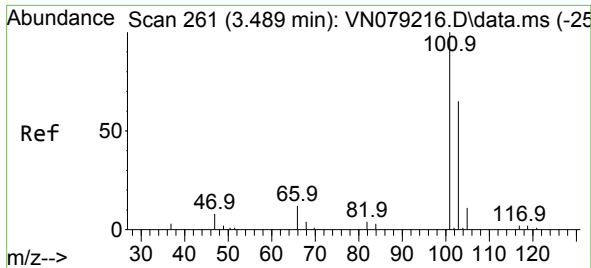
Tgt Ion: 94 Resp: 69333  
Ion Ratio Lower Upper  
94 100  
96 91.9 73.1 109.7



#6  
Chloroethane  
Concen: 60.894 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 64 Resp: 85694  
Ion Ratio Lower Upper  
64 100  
66 32.0 25.4 38.2

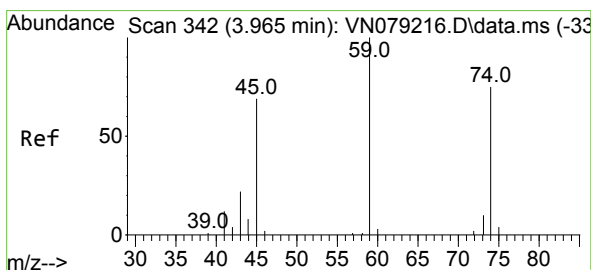
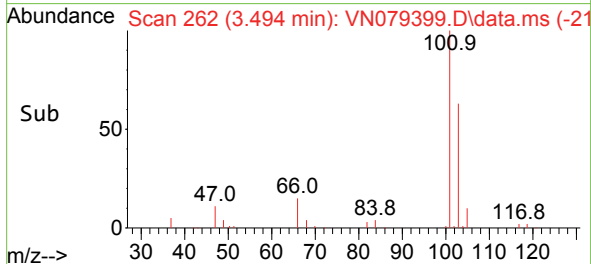
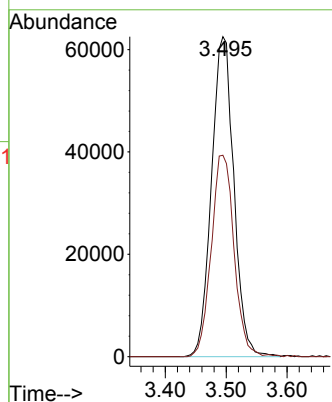
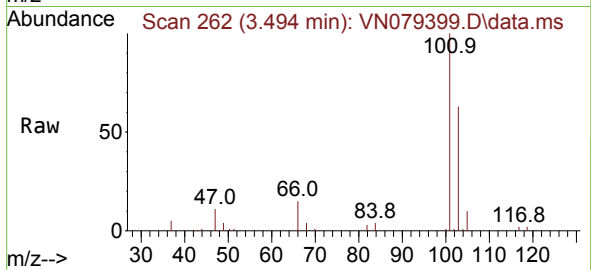




#7  
Trichlorofluoromethane  
Concen: 49.235 ug/l  
RT: 3.494 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

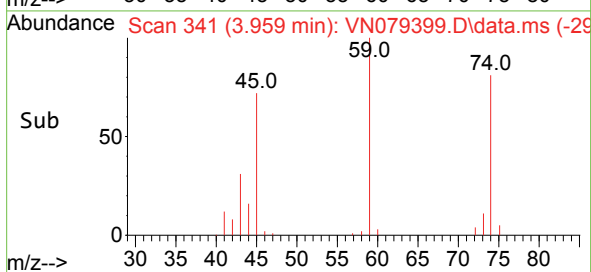
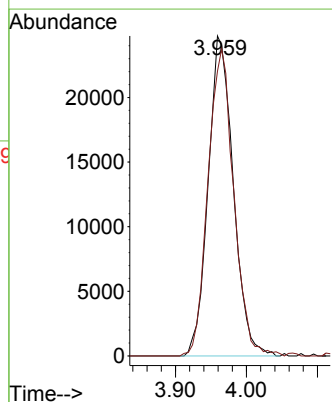
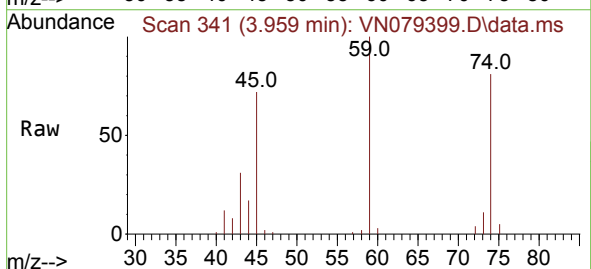
Instrument :  
MSVOA\_N  
ClientSampleId :

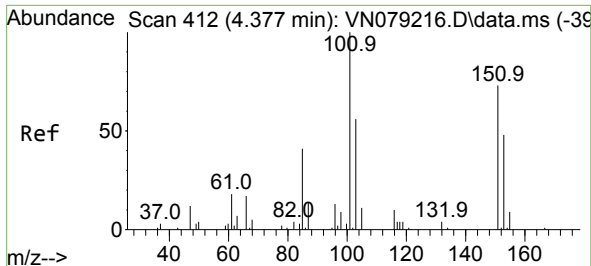
Tgt Ion:101 Resp: 159182  
Ion Ratio Lower Upper  
101 100  
103 63.0 50.7 76.1



#8  
Diethyl Ether  
Concen: 54.131 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 74 Resp: 60745  
Ion Ratio Lower Upper  
74 100  
45 98.5 34.4 103.3

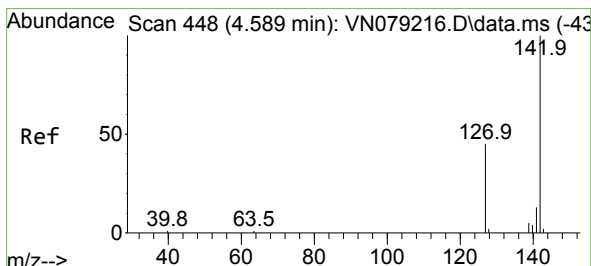
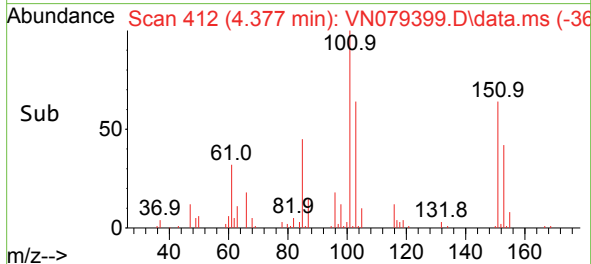
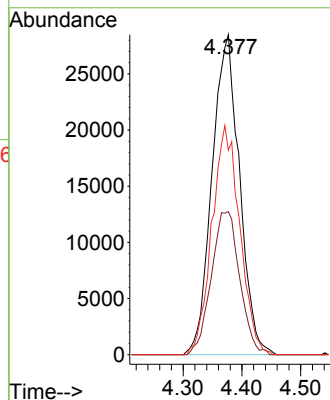
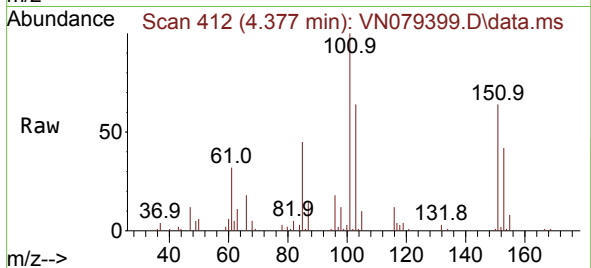




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 53.762 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

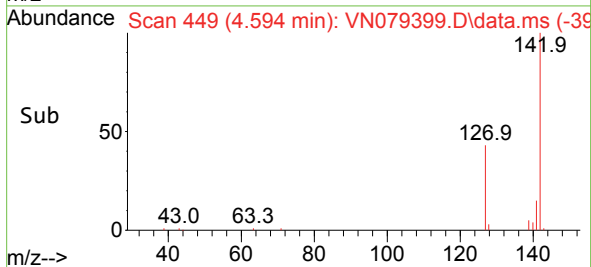
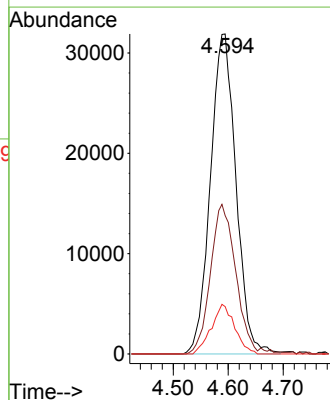
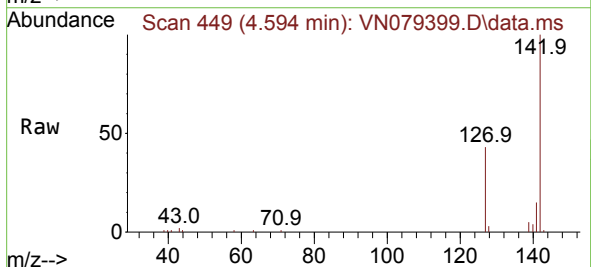
Instrument :  
MSVOA\_N  
ClientSampleId :

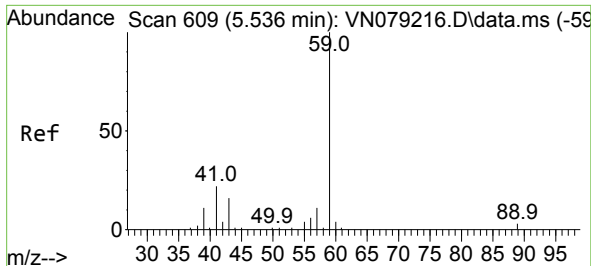
Tgt Ion:101 Resp: 92440  
Ion Ratio Lower Upper  
101 100  
85 46.2 36.6 55.0  
151 72.5 57.6 86.4



#10  
Methyl Iodide  
Concen: 73.241 ug/l  
RT: 4.594 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion:142 Resp: 103013  
Ion Ratio Lower Upper  
142 100  
127 43.3 37.6 56.4  
141 14.8 11.4 17.0

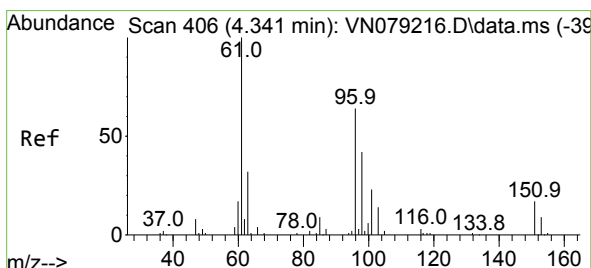
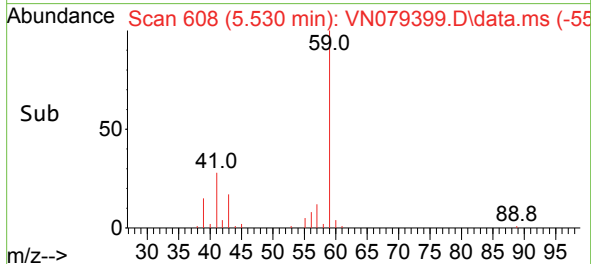
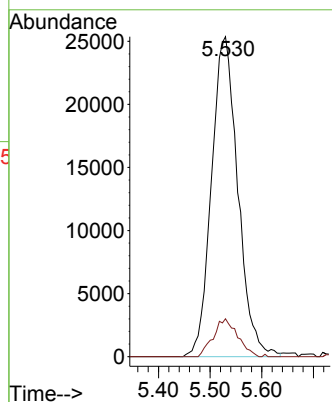
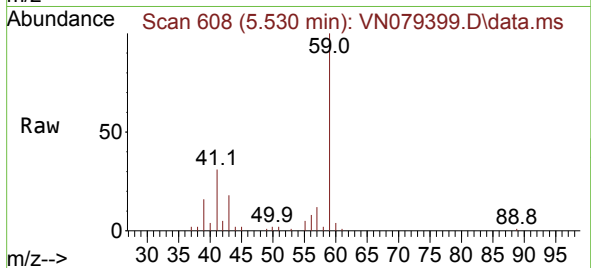




#11  
Tert butyl alcohol  
Concen: 231.395 ug/l  
RT: 5.530 min Scan# 609  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

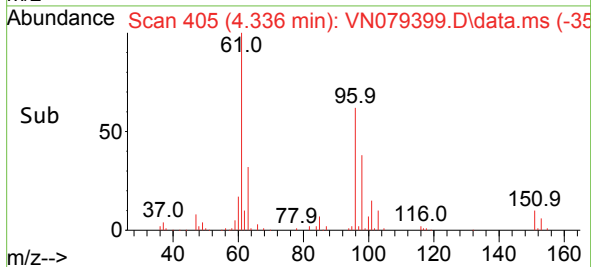
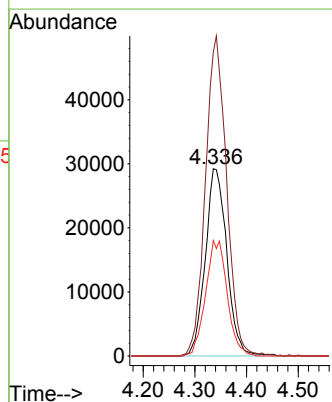
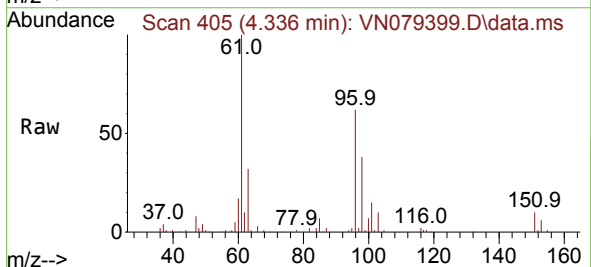
Instrument :  
MSVOA\_N  
ClientSampleId :

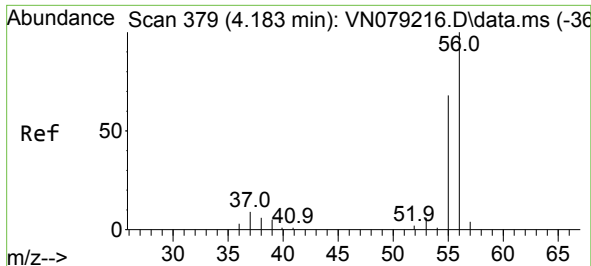
Tgt Ion: 59 Resp: 89967  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 50.822 ug/l  
RT: 4.336 min Scan# 405  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 96 Resp: 84562  
Ion Ratio Lower Upper  
96 100  
61 162.4 112.7 169.1  
98 61.6 51.2 76.8

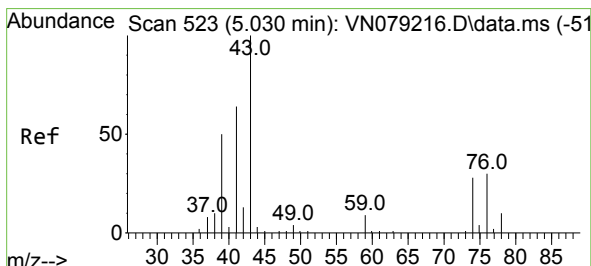
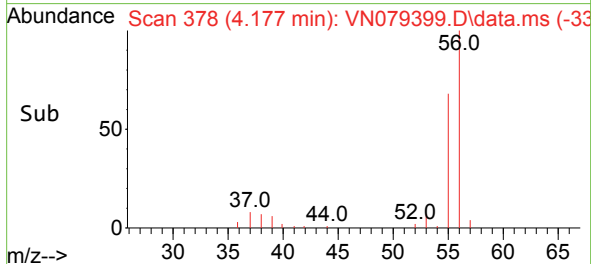
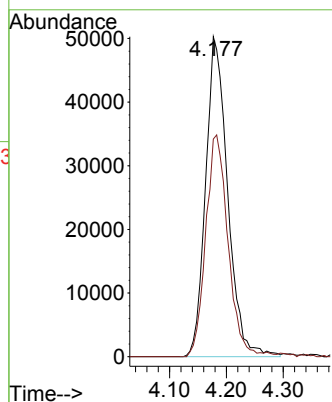
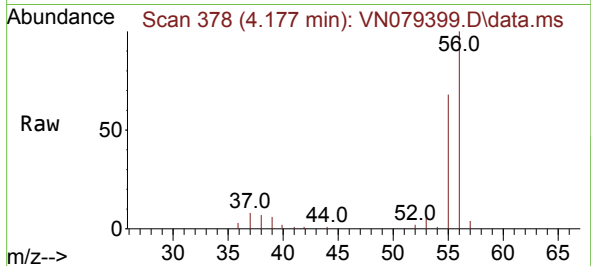




#13  
Acrolein  
Concen: 364.971 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

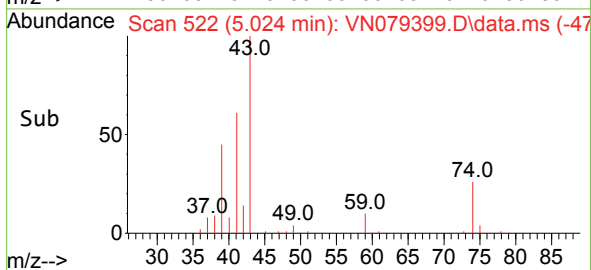
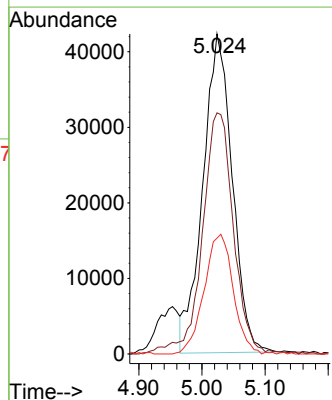
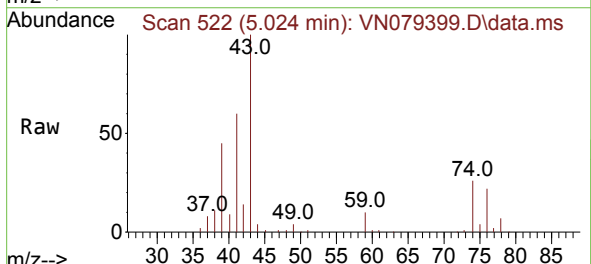
Instrument :  
MSVOA\_N  
ClientSampleId :

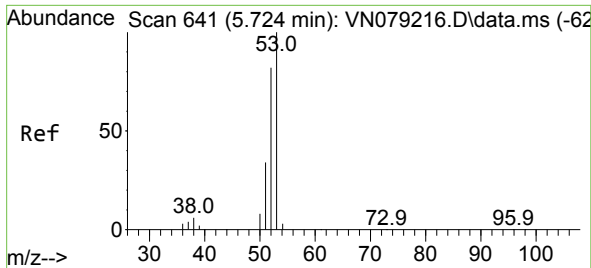
Tgt Ion: 56 Resp: 135359  
Ion Ratio Lower Upper  
56 100  
55 69.7 54.5 81.7



#14  
Allyl chloride  
Concen: 51.388 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 41 Resp: 136397  
Ion Ratio Lower Upper  
41 100  
39 79.8 58.8 88.2  
76 37.3 39.1 58.7#

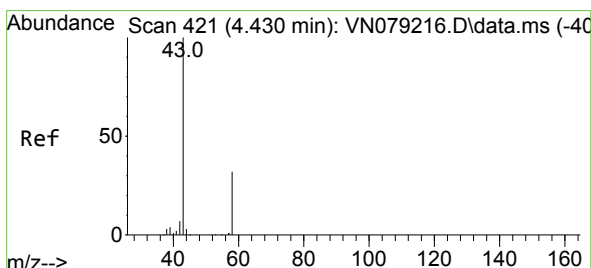
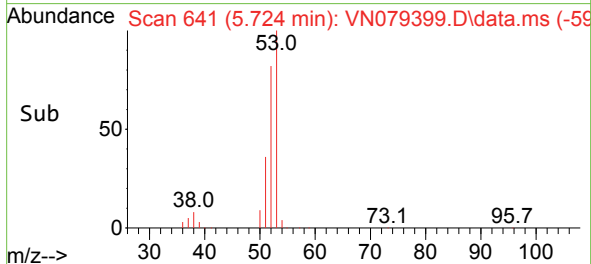
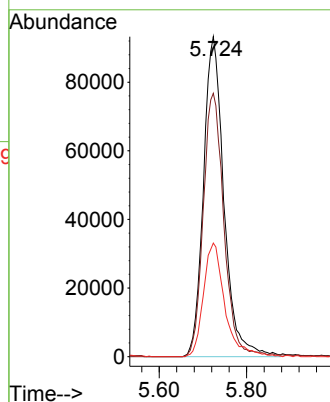
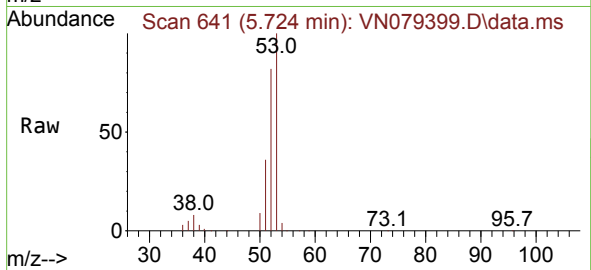




#15  
Acrylonitrile  
Concen: 302.155 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

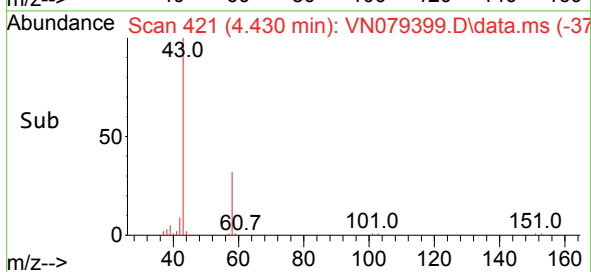
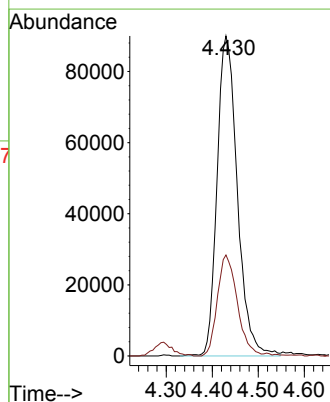
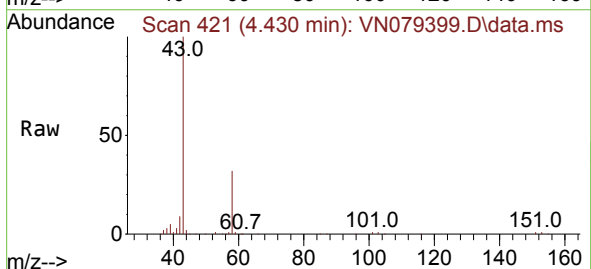
Instrument :  
MSVOA\_N  
ClientSampleId :

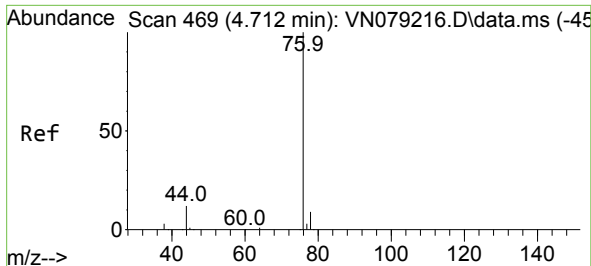
Tgt Ion: 53 Resp: 304618  
Ion Ratio Lower Upper  
53 100  
52 82.9 65.3 97.9  
51 37.0 28.9 43.3



#16  
Acetone  
Concen: 306.720 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

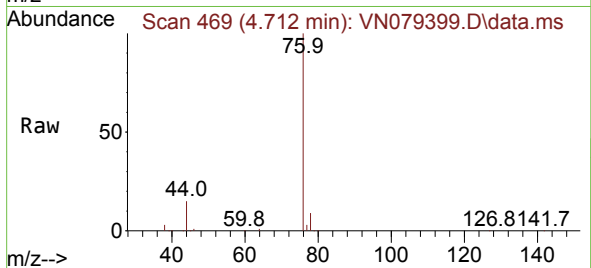
Tgt Ion: 43 Resp: 274332  
Ion Ratio Lower Upper  
43 100  
58 31.2 28.0 42.0



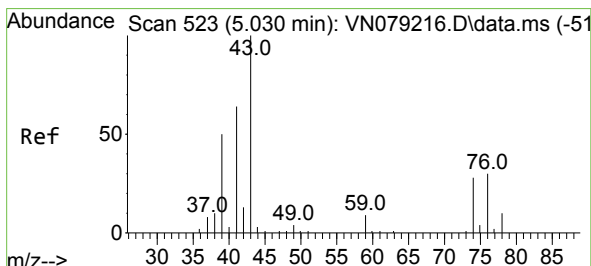
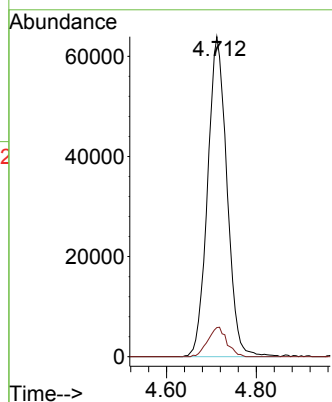
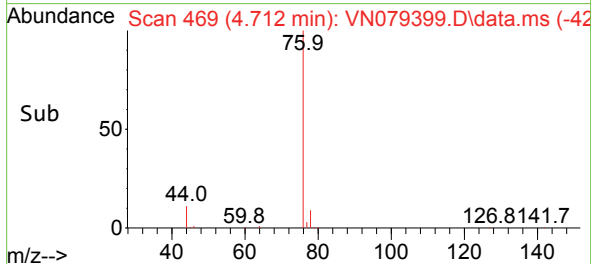


#17  
Carbon Disulfide  
Concen: 36.869 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

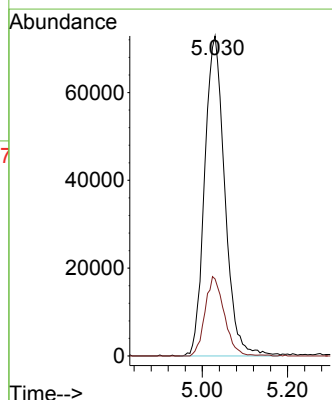
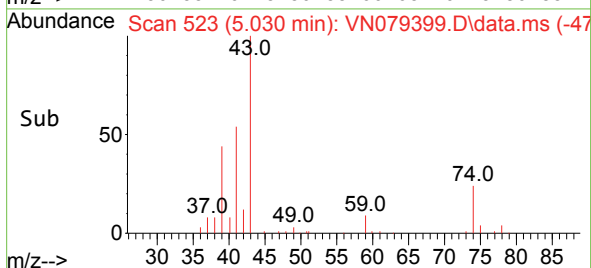
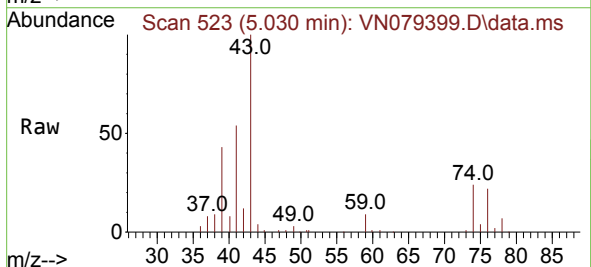


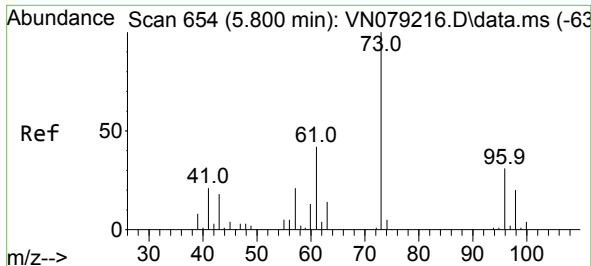
Tgt Ion: 76 Resp: 191729  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0



#18  
Methyl Acetate  
Concen: 65.114 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 43 Resp: 239352  
Ion Ratio Lower Upper  
43 100  
74 23.6 26.2 39.4#

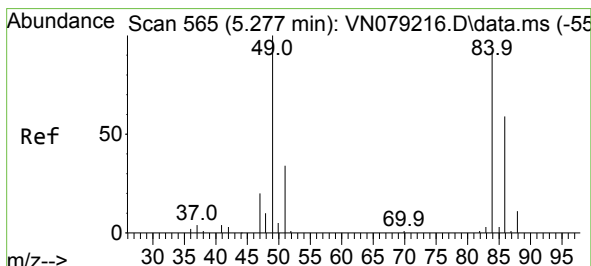
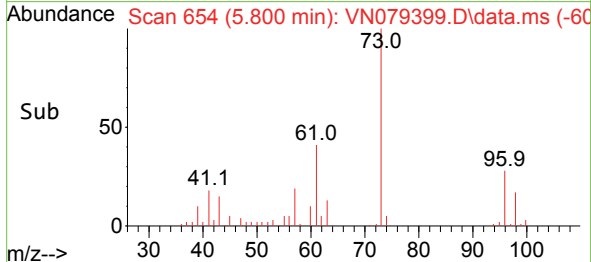
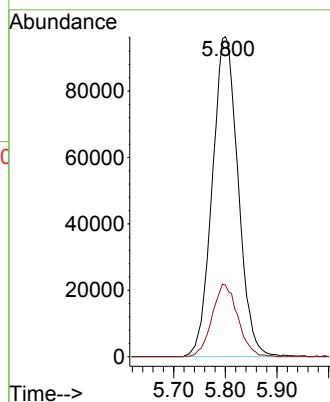
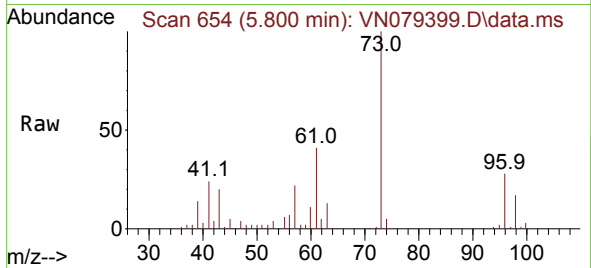




#19  
Methyl tert-butyl Ether  
Concen: 58.542 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

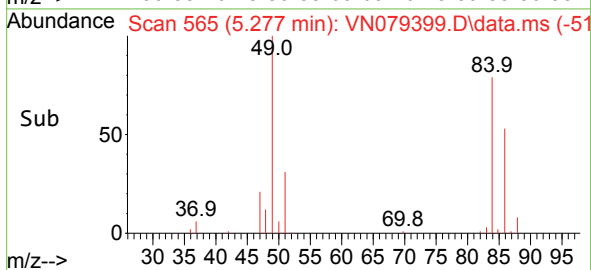
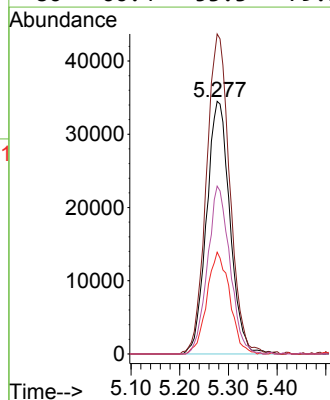
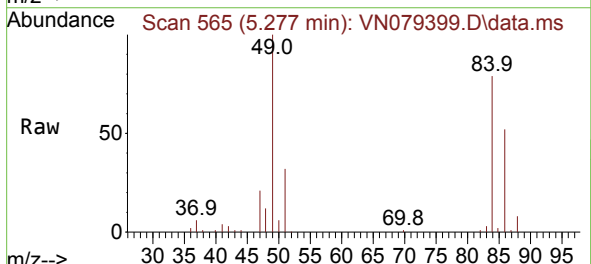
Instrument :  
MSVOA\_N  
ClientSampleId :

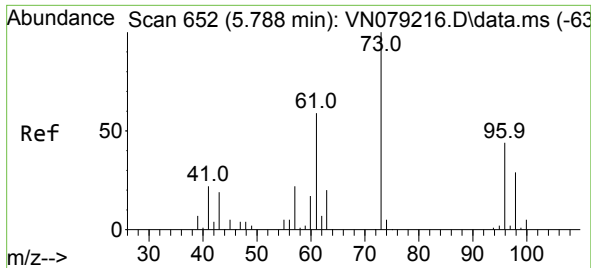
Tgt Ion: 73 Resp: 334068  
Ion Ratio Lower Upper  
73 100  
57 22.4 15.6 23.4



#20  
Methylene Chloride  
Concen: 52.795 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

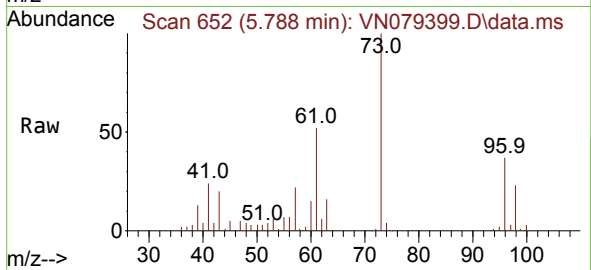
Tgt Ion: 84 Resp: 114910  
Ion Ratio Lower Upper  
84 100  
49 126.7 79.7 119.5#  
51 40.3 25.2 37.8#  
86 66.4 53.3 79.9



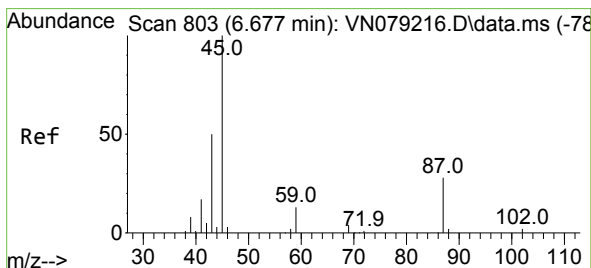
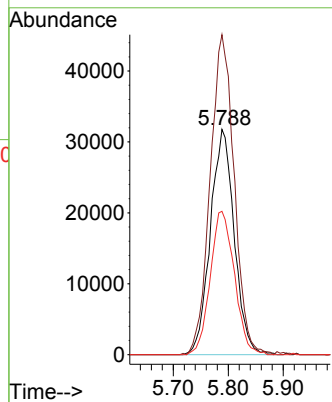
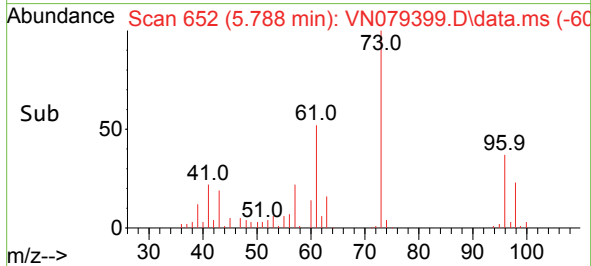


#21  
trans-1,2-Dichloroethene  
Concen: 49.689 ug/l  
RT: 5.788 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

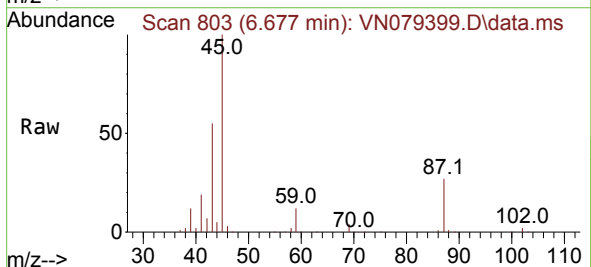
Instrument :  
MSVOA\_N  
ClientSampleId :



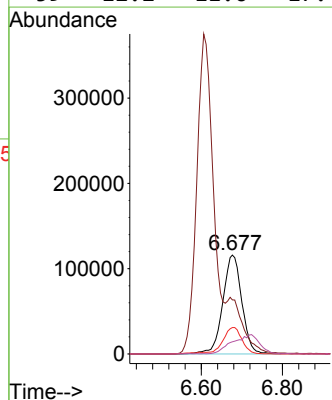
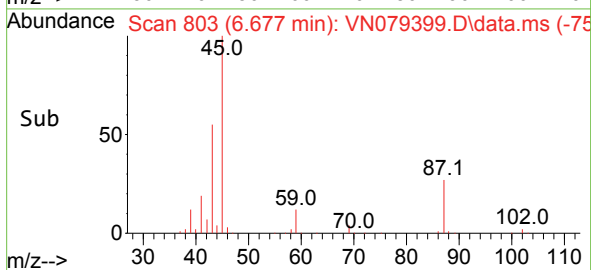
Tgt Ion: 96 Resp: 95909  
Ion Ratio Lower Upper  
96 100  
61 142.1 90.1 135.1#  
98 63.6 46.4 69.6

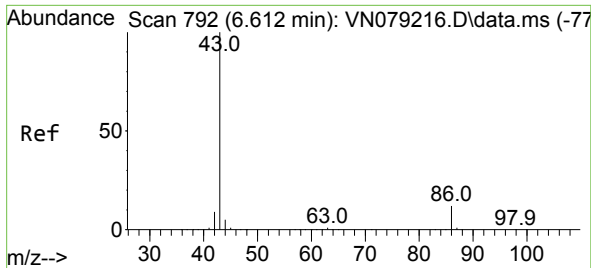


#22  
Diisopropyl ether  
Concen: 64.904 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04



Tgt Ion: 45 Resp: 377989  
Ion Ratio Lower Upper  
45 100  
43 53.9 45.5 68.3  
87 26.7 31.8 47.8#  
59 12.2 11.6 17.4

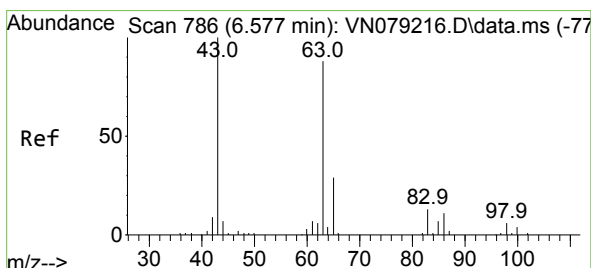
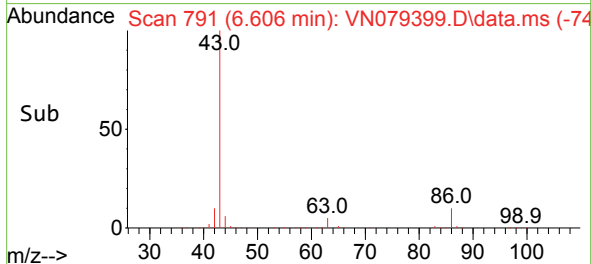
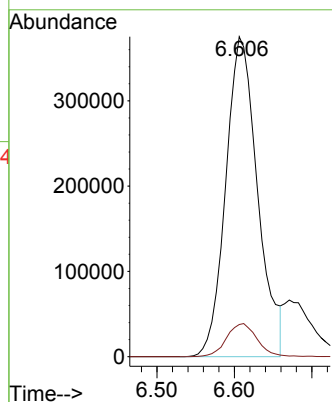
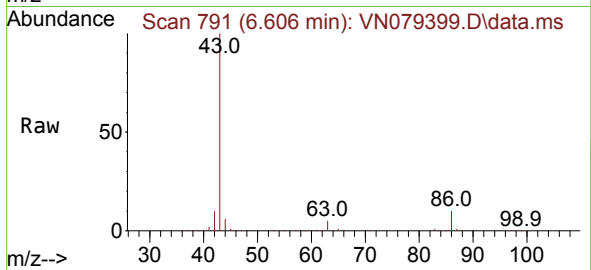




#23  
 Vinyl Acetate  
 Concen: 299.628 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. -0.006 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

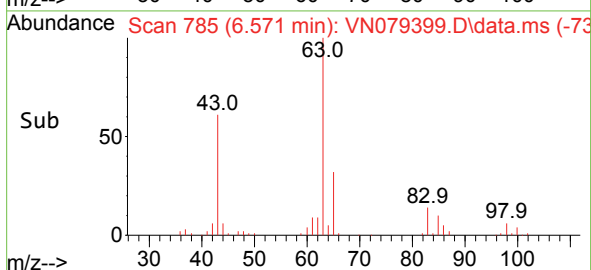
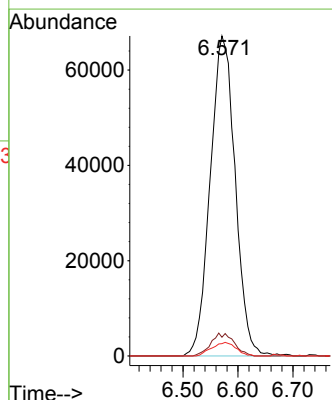
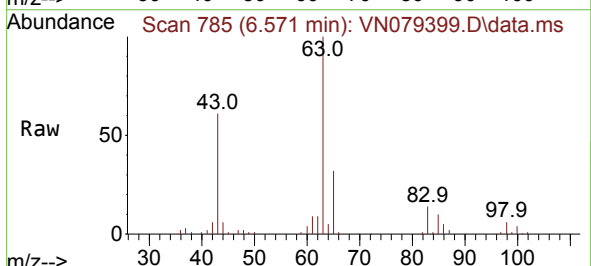
Instrument :  
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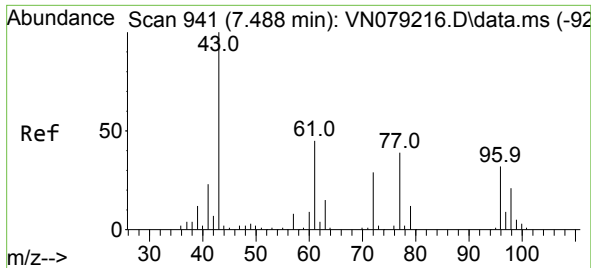
Tgt Ion: 43 Resp: 1073303  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 59.036 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. -0.006 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

Tgt Ion: 63 Resp: 211947  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 3.9 11.7  
 100 3.8 2.5 7.4

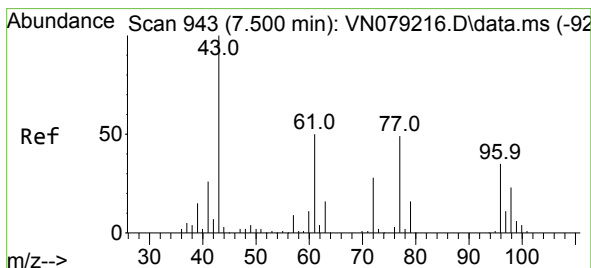
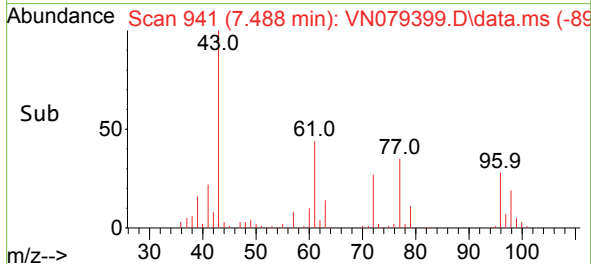
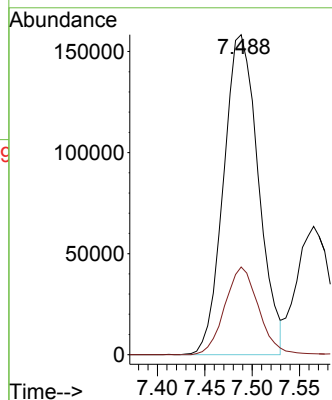
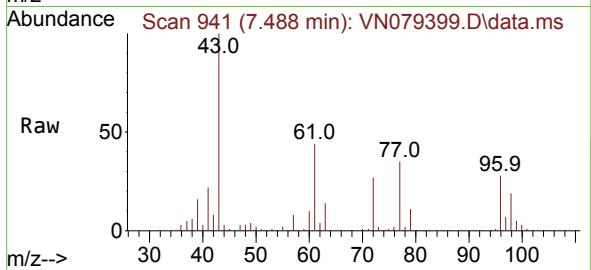




#25  
2-Butanone  
Concen: 312.299 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

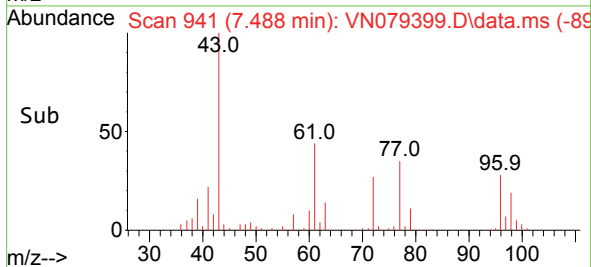
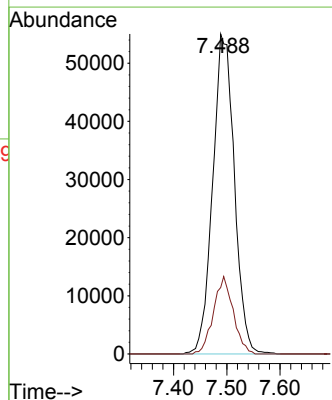
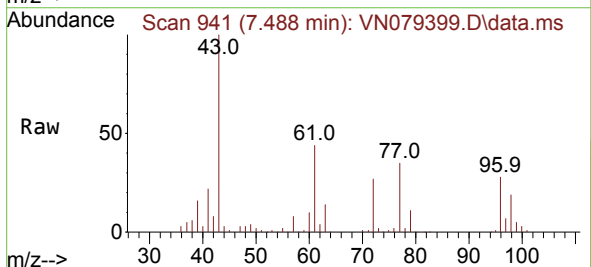
Instrument :  
MSVOA\_N  
ClientSampleId :

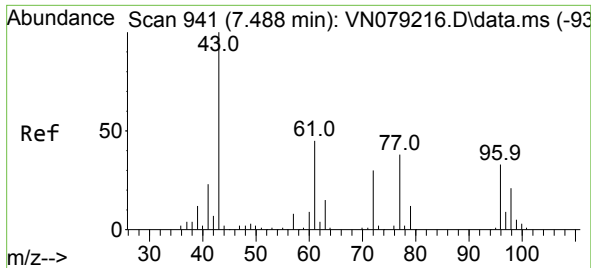
Tgt Ion: 43 Resp: 405276  
Ion Ratio Lower Upper  
43 100  
72 27.4 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 52.667 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 77 Resp: 155163  
Ion Ratio Lower Upper  
77 100  
97 22.1 11.2 33.6

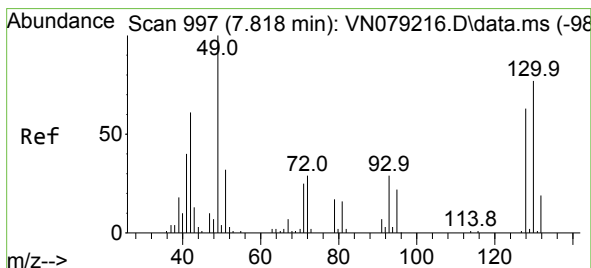
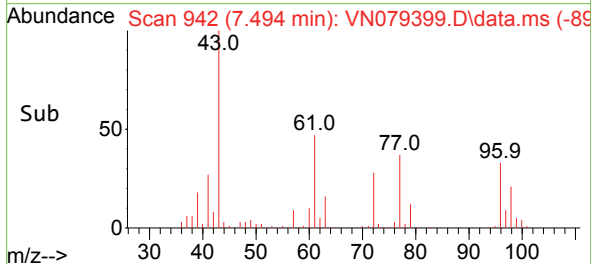
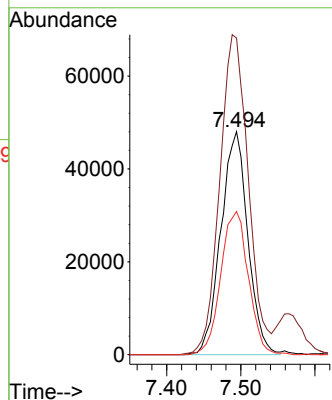
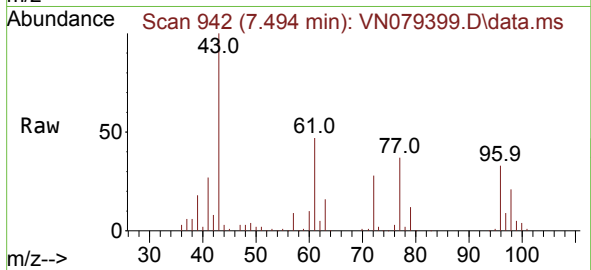




#27  
 cis-1,2-Dichloroethene  
 Concen: 55.022 ug/l  
 RT: 7.494 min Scan# 941  
 Delta R.T. -0.006 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

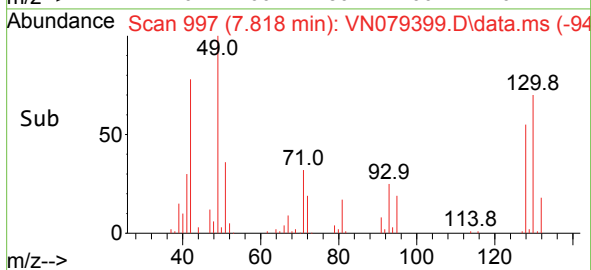
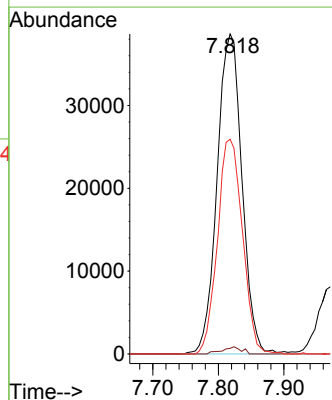
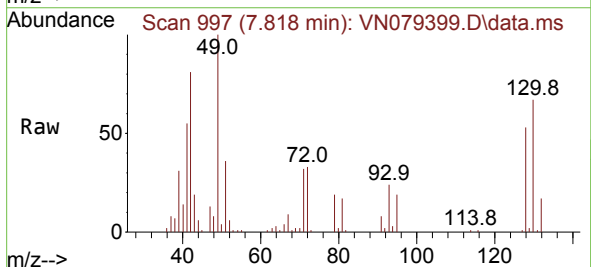
Instrument :  
 MSVOA\_N  
 ClientSampleId :

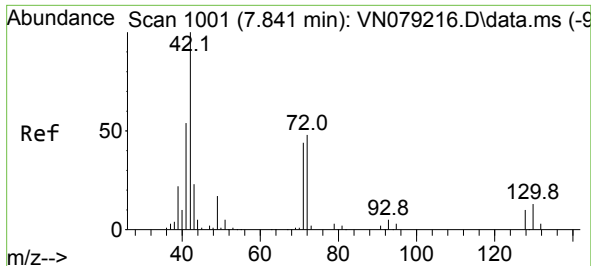
Tgt Ion: 96 Resp: 121437  
 Ion Ratio Lower Upper  
 96 100  
 61 152.1 0.0 255.2  
 98 65.9 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 62.642 ug/l  
 RT: 7.818 min Scan# 997  
 Delta R.T. -0.006 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

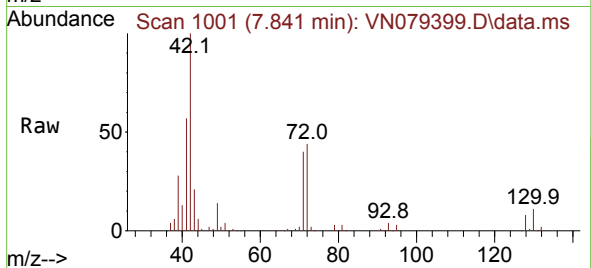
Tgt Ion: 49 Resp: 101681  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 4.8  
 130 67.3 75.3 112.9#



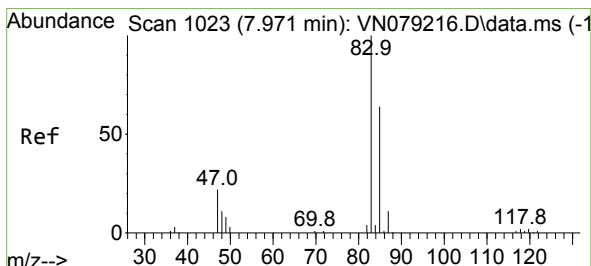
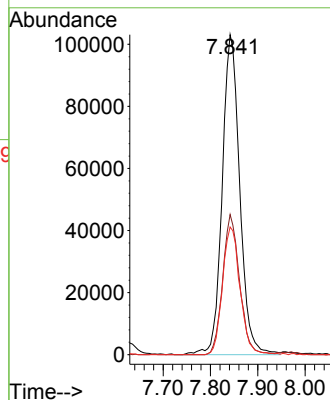
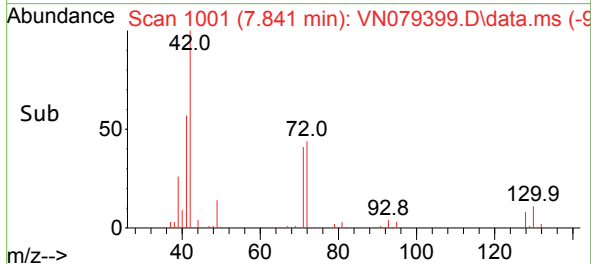


#29  
Tetrahydrofuran  
Concen: 322.421 ug/l  
RT: 7.841 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

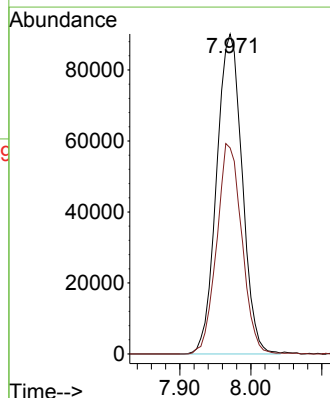
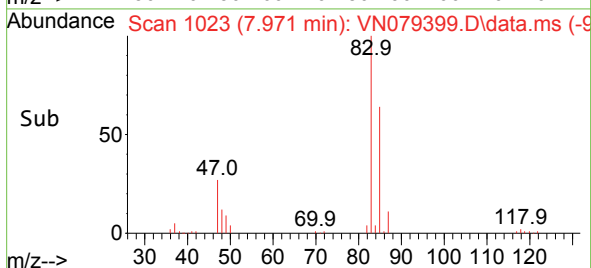
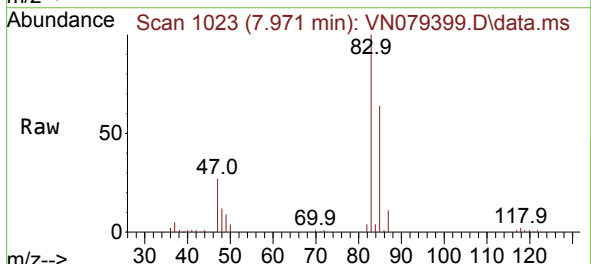


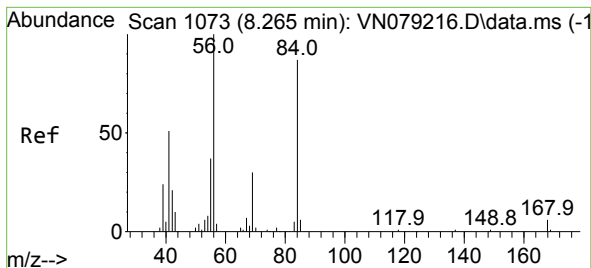
Tgt Ion: 42 Resp: 266268  
Ion Ratio Lower Upper  
42 100  
72 42.1 49.8 74.6#  
71 39.9 47.4 71.2#



#30  
Chloroform  
Concen: 60.188 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

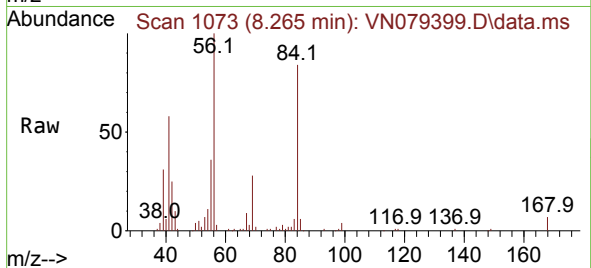
Tgt Ion: 83 Resp: 224977  
Ion Ratio Lower Upper  
83 100  
85 64.4 55.4 83.0



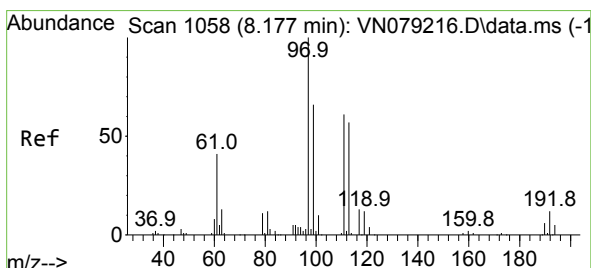
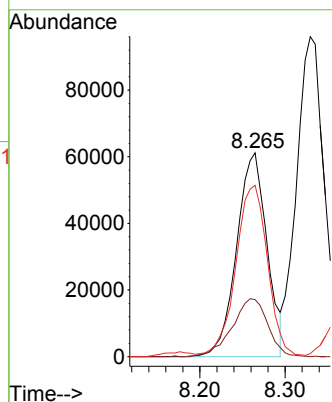
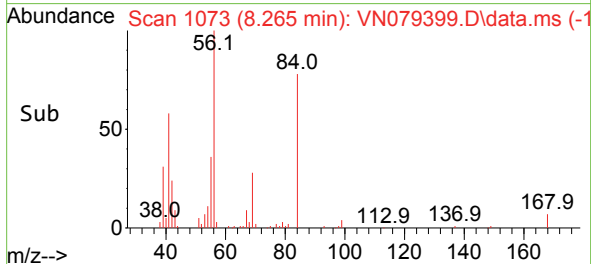


#31  
Cyclohexane  
Concen: 49.255 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

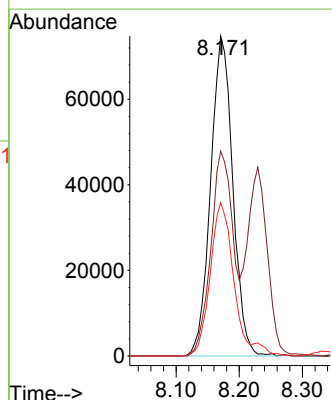
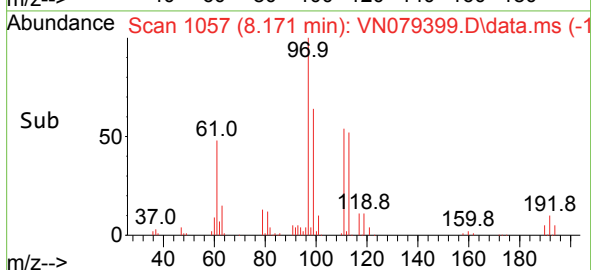
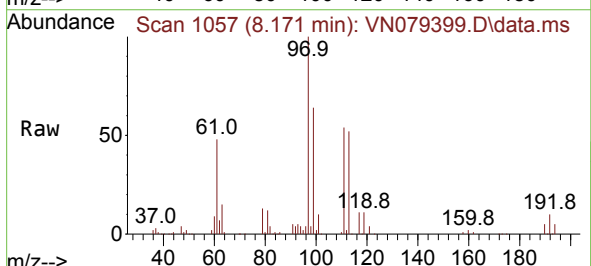


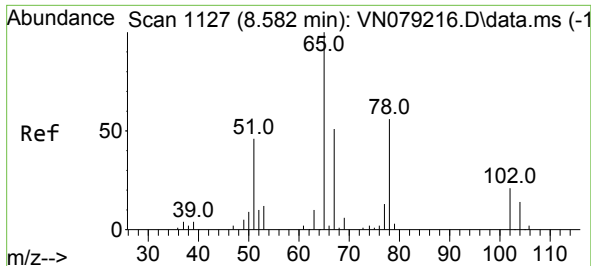
Tgt Ion: 56 Resp: 151457  
Ion Ratio Lower Upper  
56 100  
69 28.0 26.8 40.2  
84 81.6 81.8 122.6#



#32  
1,1,1-Trichloroethane  
Concen: 57.268 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 97 Resp: 182471  
Ion Ratio Lower Upper  
97 100  
99 64.0 50.3 75.5  
61 51.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 56.584 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

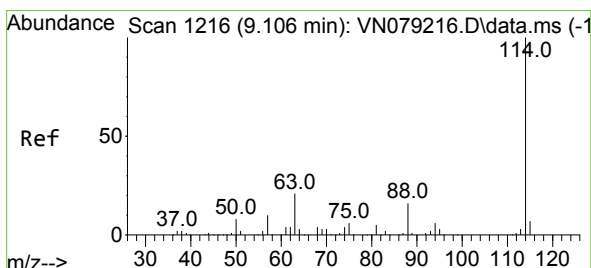
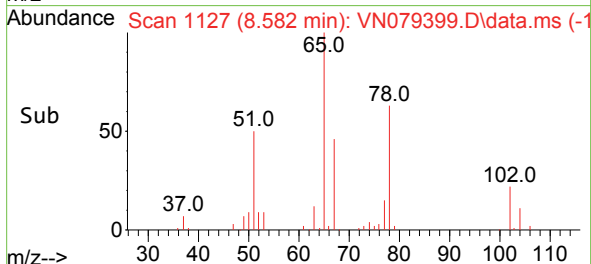
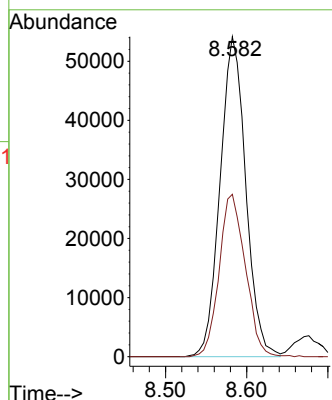
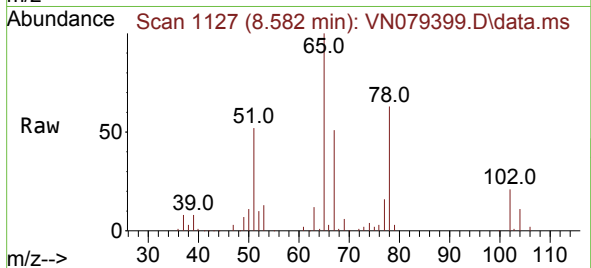
ClientSampleId :

Tgt Ion: 65 Resp: 119163

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

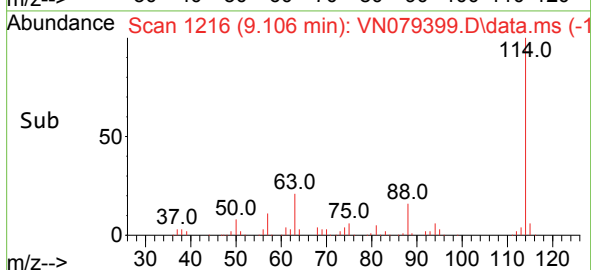
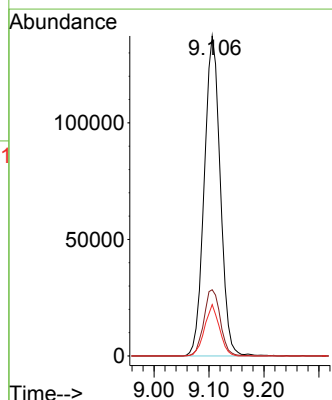
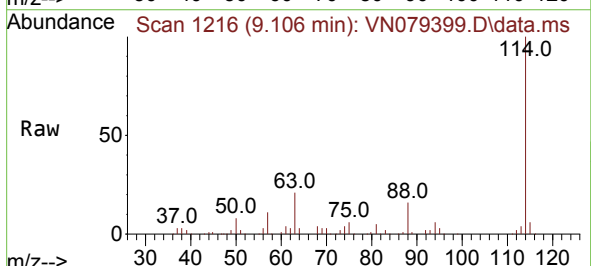
Tgt Ion: 114 Resp: 278196

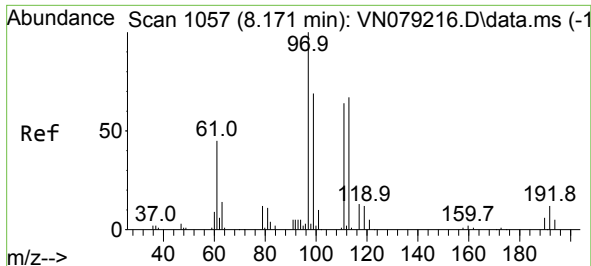
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.4

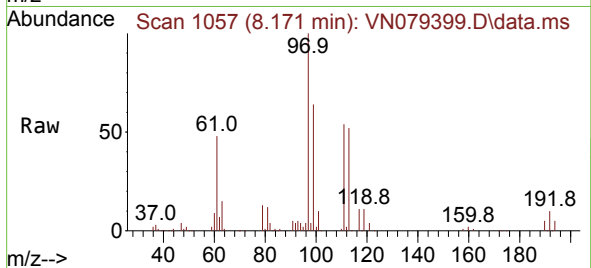
88 16.0 0.0 30.6



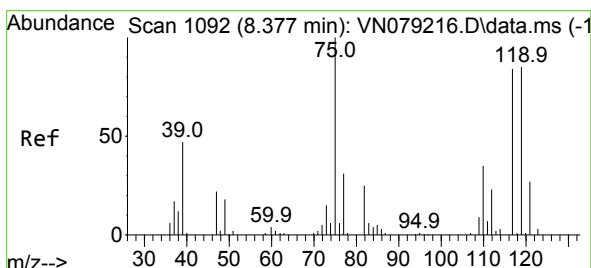
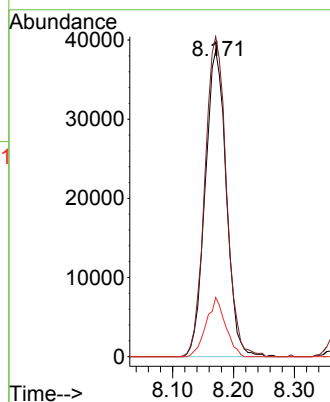
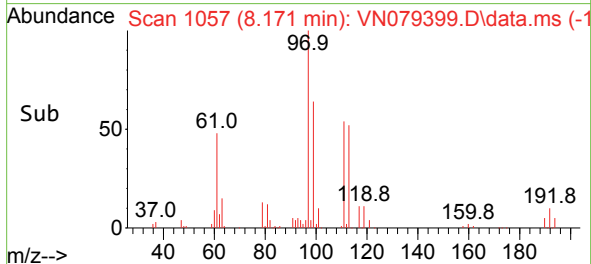


#35  
Dibromofluoromethane  
Concen: 50.358 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

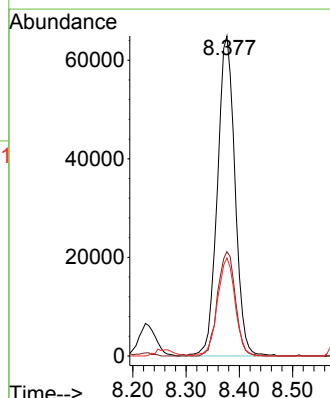
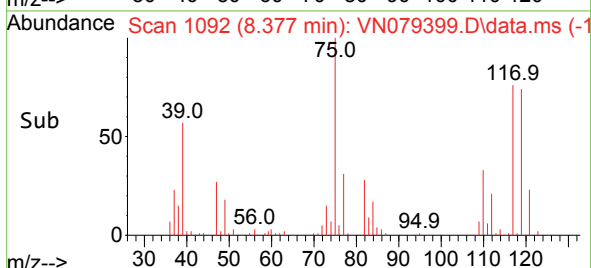
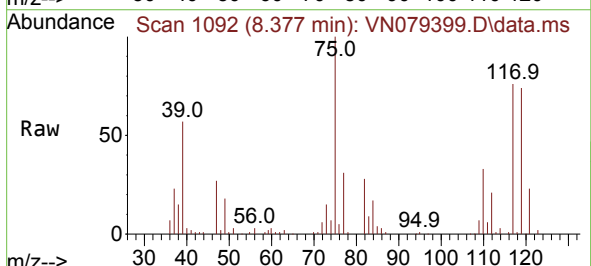


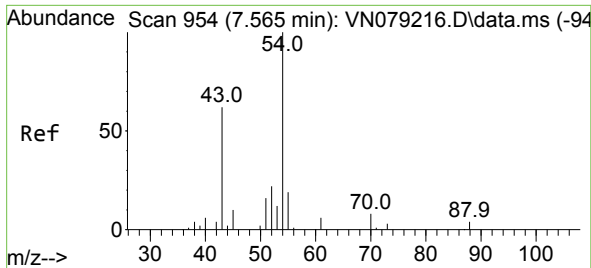
Tgt Ion:113 Resp: 93187  
Ion Ratio Lower Upper  
113 100  
111 106.5 82.6 123.8  
192 17.7 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 52.053 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 75 Resp: 148472  
Ion Ratio Lower Upper  
75 100  
110 33.2 19.1 57.3  
77 30.9 25.0 37.4

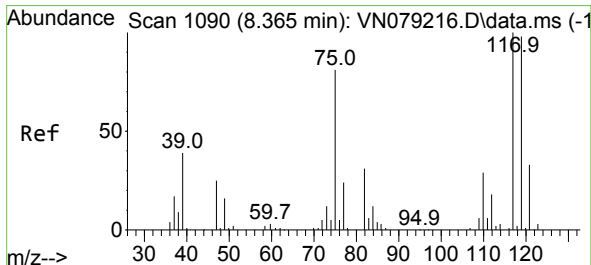
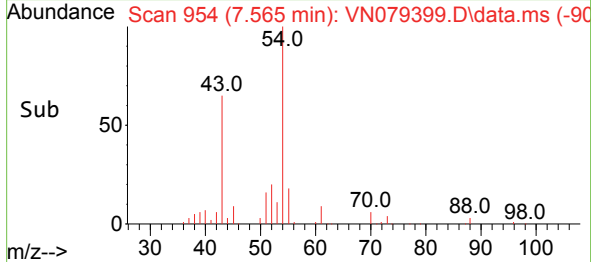
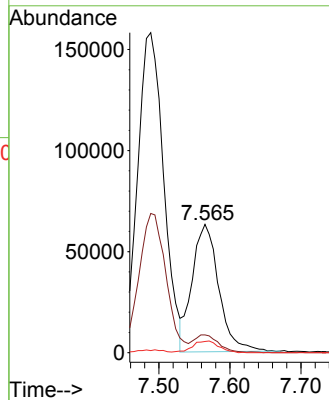
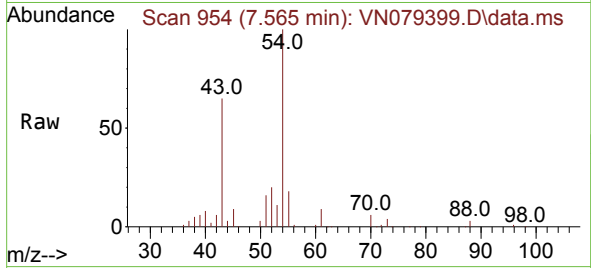




#37  
Ethyl Acetate  
Concen: 57.966 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

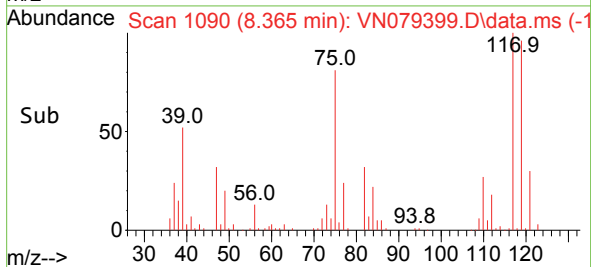
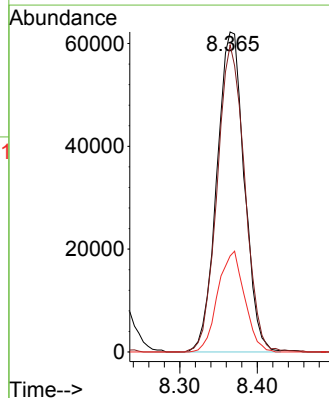
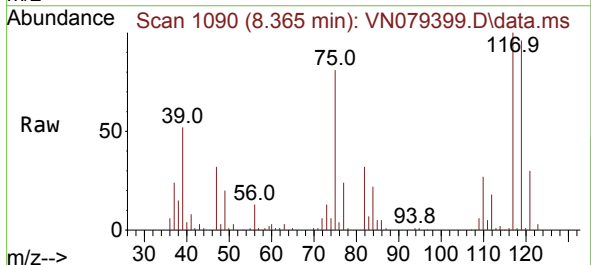
Instrument :  
MSVOA\_N  
ClientSampleId :

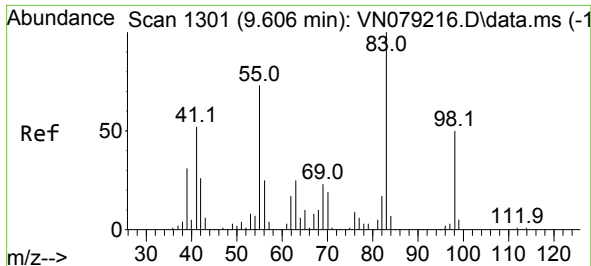
Tgt Ion: 43 Resp: 164912  
Ion Ratio Lower Upper  
43 100  
61 12.3 13.2 19.8#  
70 9.0 11.3 16.9#



#38  
Carbon Tetrachloride  
Concen: 51.846 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 117 Resp: 153033  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.3 115.9  
121 30.0 23.3 34.9





#39

Methylcyclohexane

Concen: 48.137 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

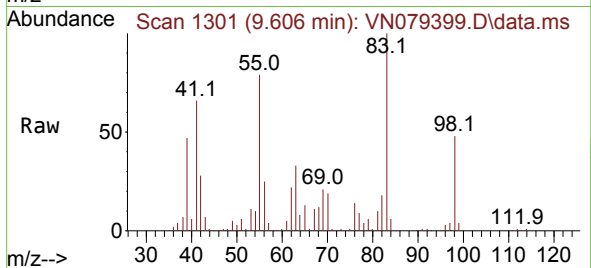
Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :



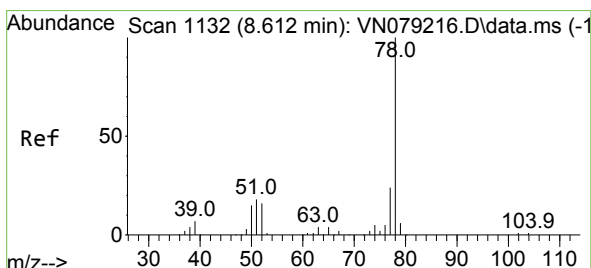
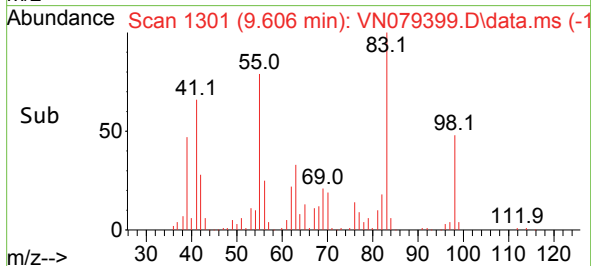
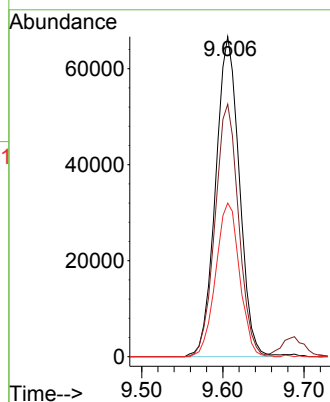
Tgt Ion: 83 Resp: 135437

Ion Ratio Lower Upper

83 100

55 78.9 49.1 73.7#

98 48.0 40.6 61.0



#40

Benzene

Concen: 53.092 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN079399.D

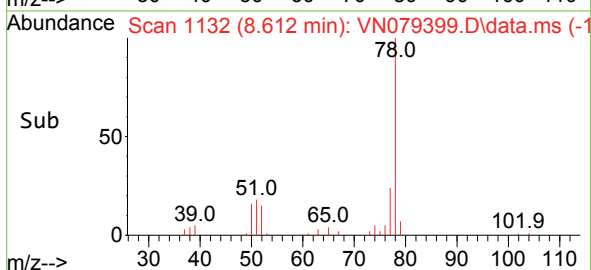
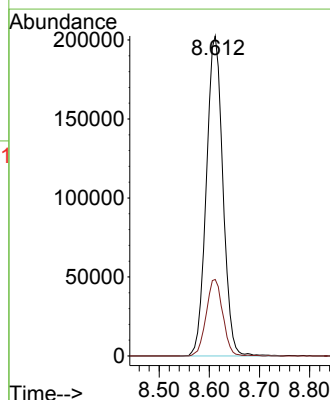
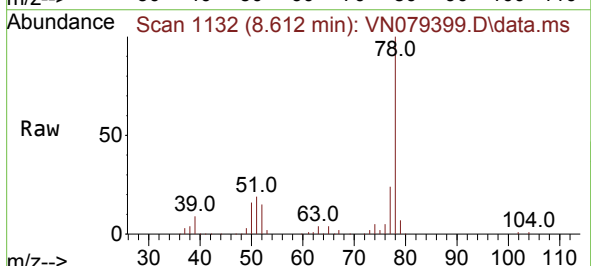
Acq: 04 Oct 2023 13:04

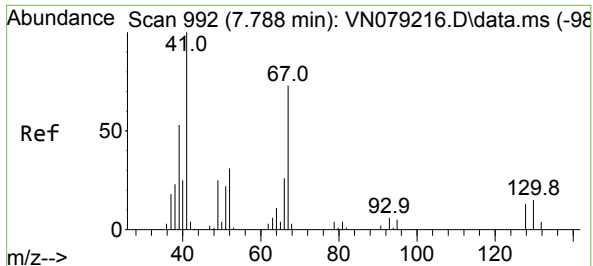
Tgt Ion: 78 Resp: 463585

Ion Ratio Lower Upper

78 100

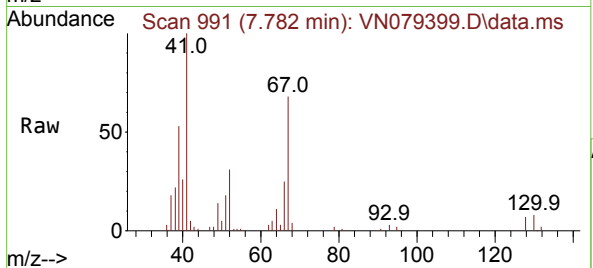
77 23.9 19.0 28.6



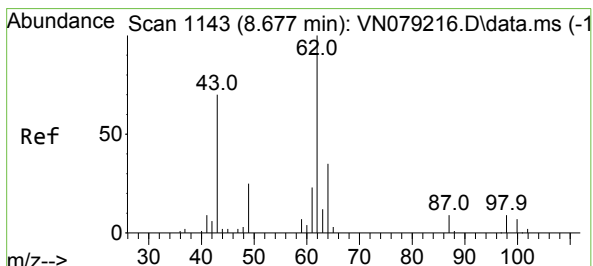
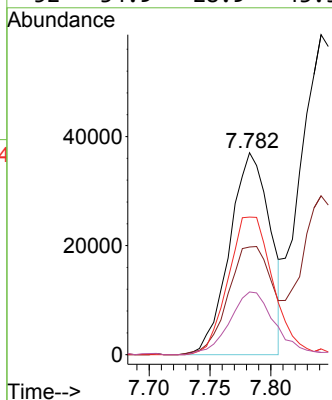
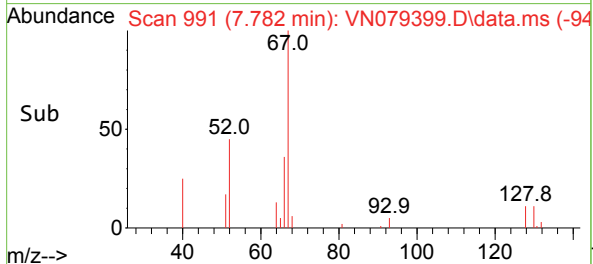


#41  
Methacrylonitrile  
Concen: 59.797 ug/l  
RT: 7.782 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

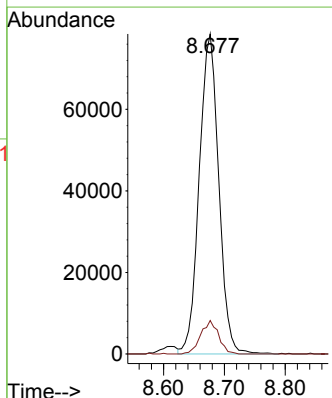
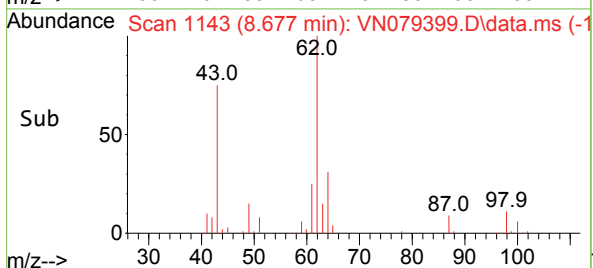
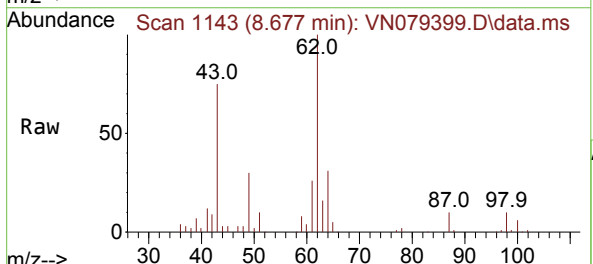


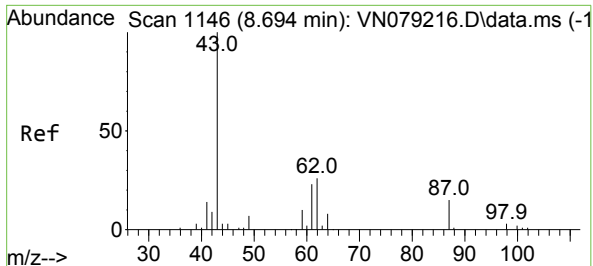
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 85776 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.5  | 42.6  | 64.0  |
| 67       | 76.6  | 77.5  | 116.3 |
| 52       | 34.9  | 28.9  | 43.3  |



#42  
1,2-Dichloroethane  
Concen: 58.111 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 174681 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 0.0   | 19.8   |

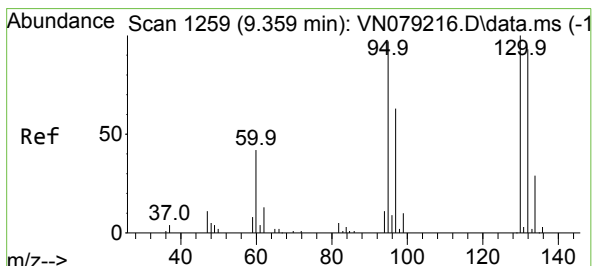
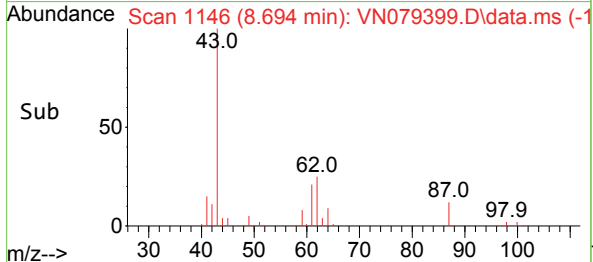
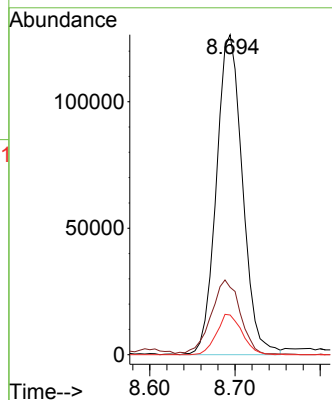
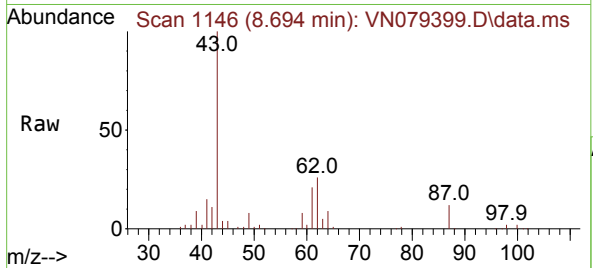




#43  
Isopropyl Acetate  
Concen: 58.126 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

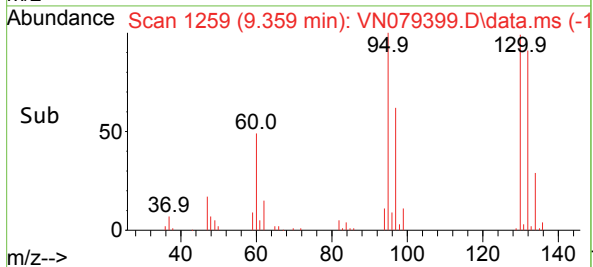
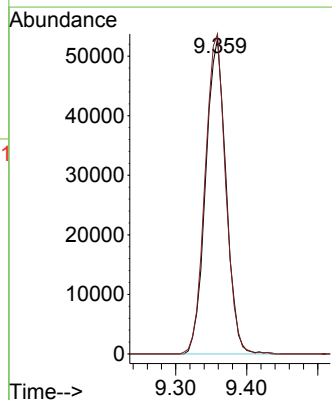
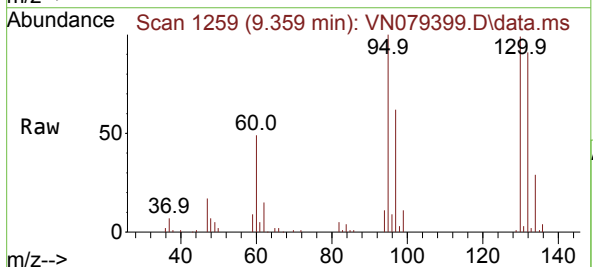
Instrument :  
MSVOA\_N  
ClientSampleId :

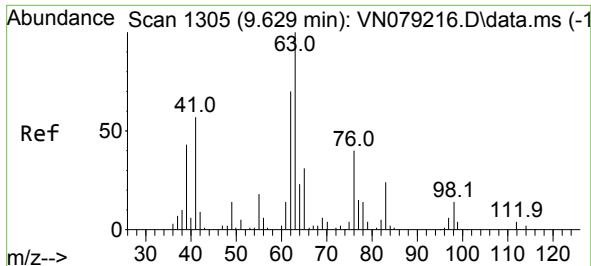
Tgt Ion: 43 Resp: 269826  
Ion Ratio Lower Upper  
43 100  
61 26.4 24.7 37.1  
87 12.3 14.6 21.8#



#44  
Trichloroethene  
Concen: 49.099 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion:130 Resp: 105612  
Ion Ratio Lower Upper  
130 100  
95 101.5 0.0 204.6

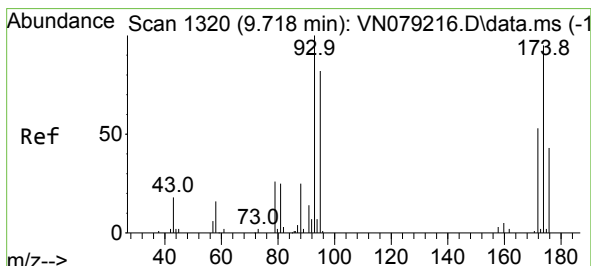
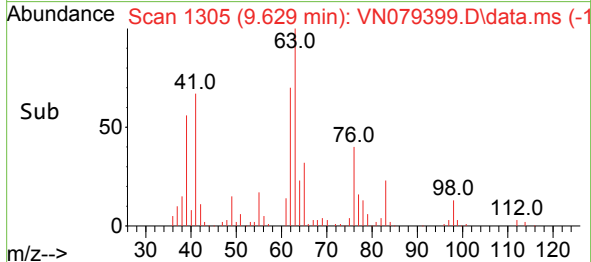
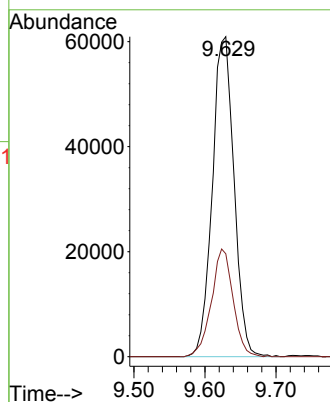
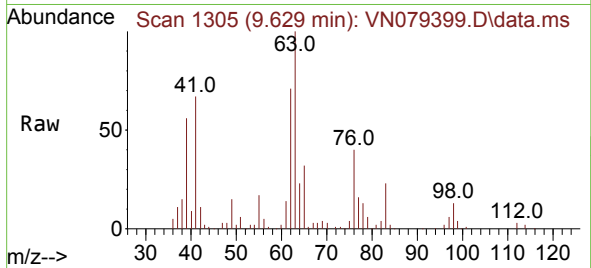




#45  
1,2-Dichloropropane  
Concen: 59.625 ug/l  
RT: 9.629 min Scan# 1305  
Delta R.T. 0.005 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

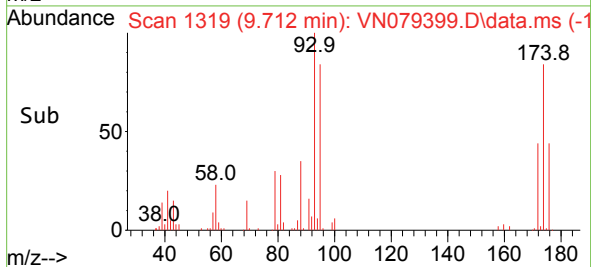
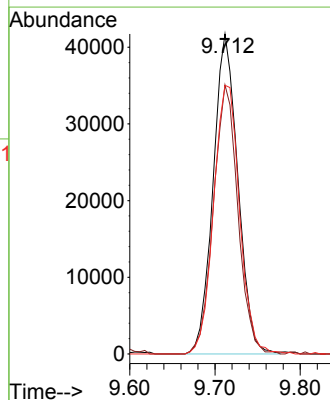
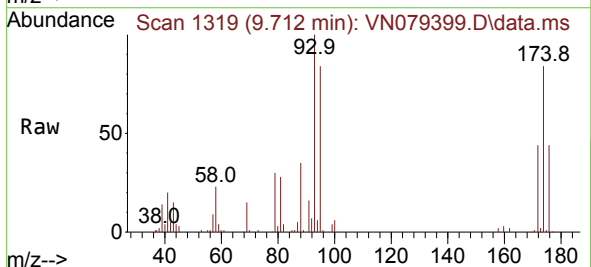
Instrument :  
MSVOA\_N  
ClientSampleId :

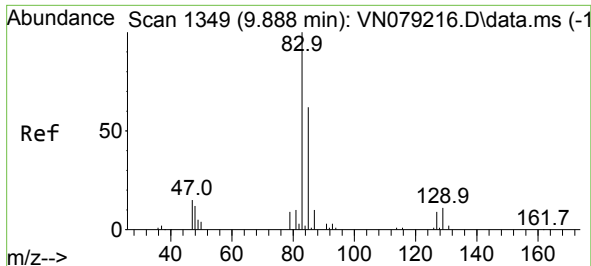
Tgt Ion: 63 Resp: 129208  
Ion Ratio Lower Upper  
63 100  
65 32.2 23.9 35.9



#46  
Dibromomethane  
Concen: 57.287 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 93 Resp: 84274  
Ion Ratio Lower Upper  
93 100  
95 83.2 63.8 95.8  
174 88.4 65.6 98.4





#47

Bromodichloromethane

Concen: 60.173 ug/l

RT: 9.894 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

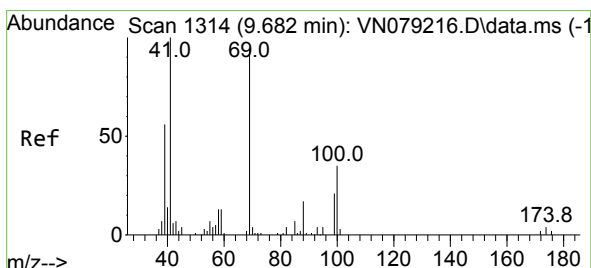
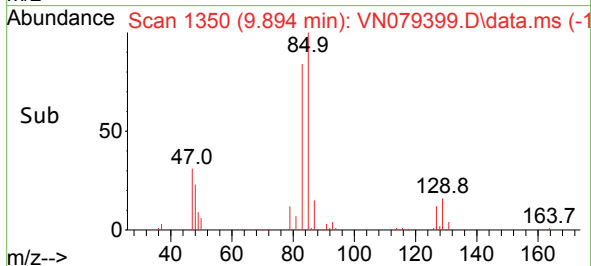
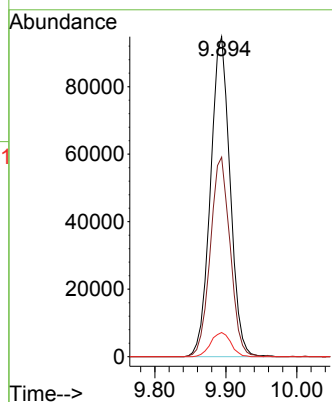
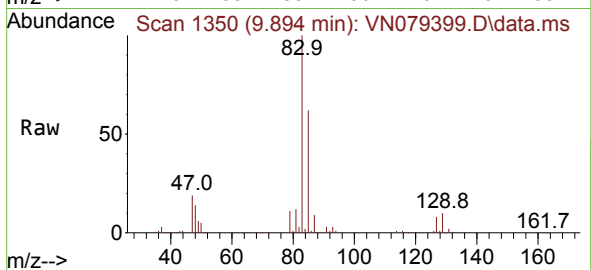
Tgt Ion: 83 Resp: 181305

Ion Ratio Lower Upper

83 100

85 62.4 49.6 74.4

127 7.6 7.0 10.6



#48

Methyl methacrylate

Concen: 60.709 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

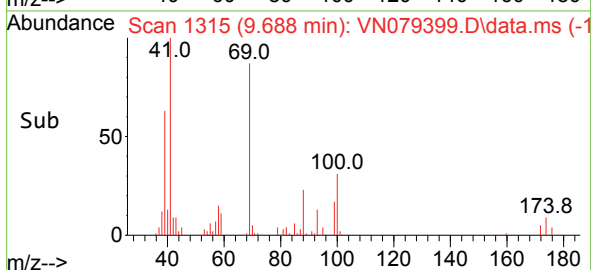
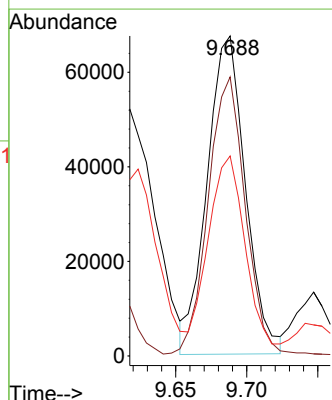
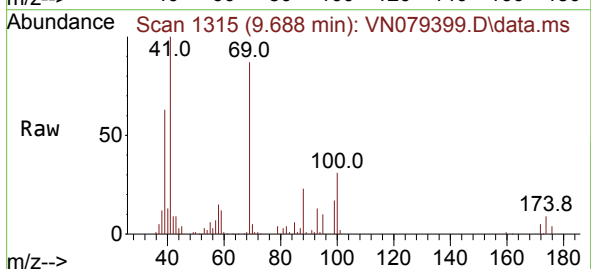
Tgt Ion: 41 Resp: 126231

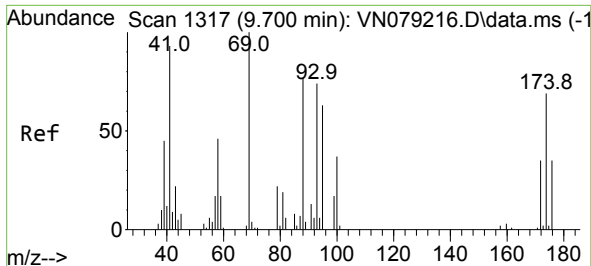
Ion Ratio Lower Upper

41 100

69 86.3 90.4 135.6#

39 62.0 54.6 81.8





#49

1,4-Dioxane

Concen: 1101.401 ug/l

RT: 9.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

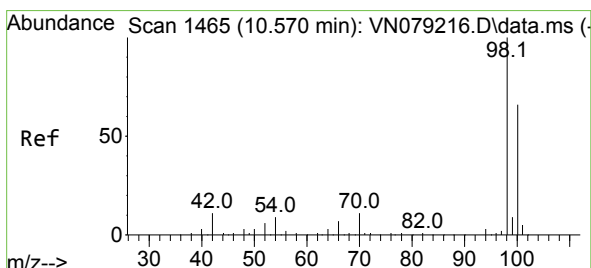
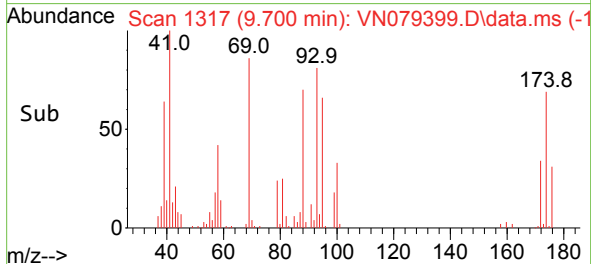
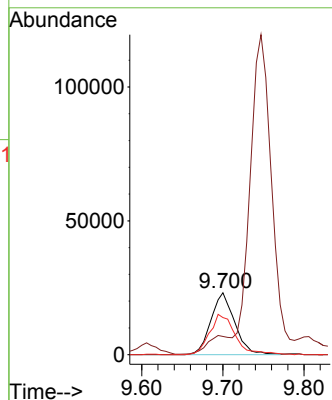
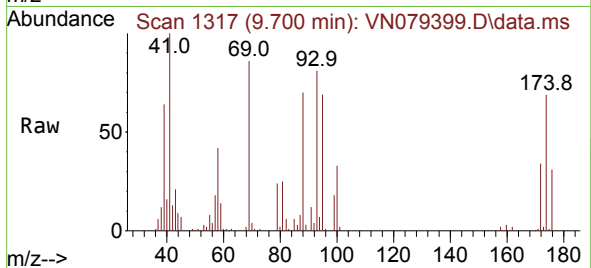
Tgt Ion: 88 Resp: 47104

Ion Ratio Lower Upper

88 100

43 30.8 17.0 25.6#

58 70.4 47.0 70.4



#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079399.D

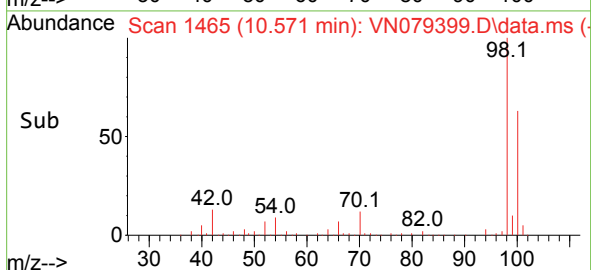
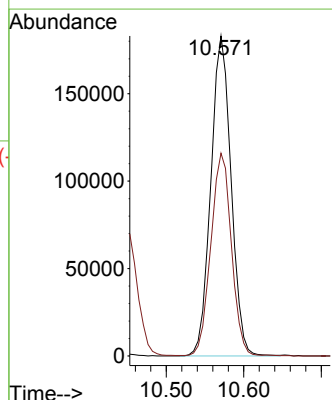
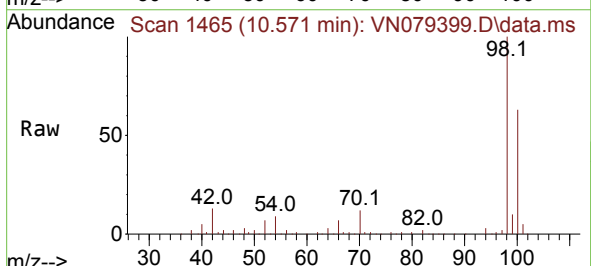
Acq: 04 Oct 2023 13:04

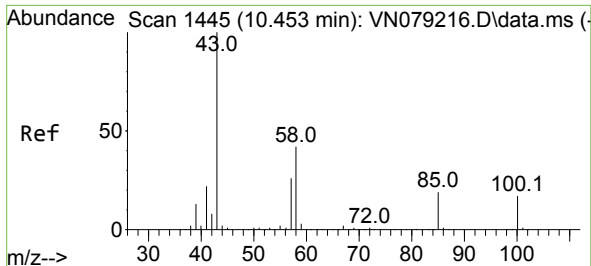
Tgt Ion: 98 Resp: 332264

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

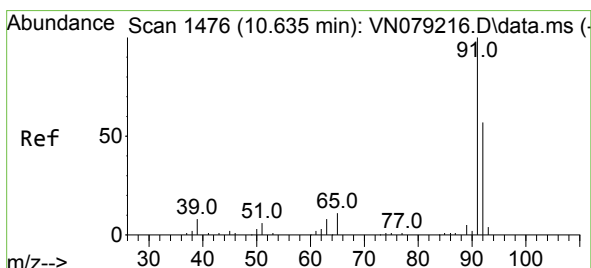
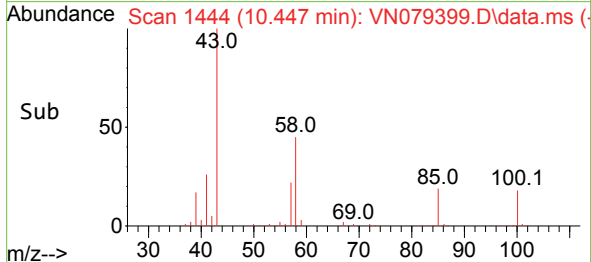
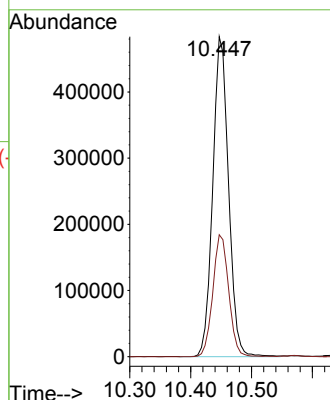
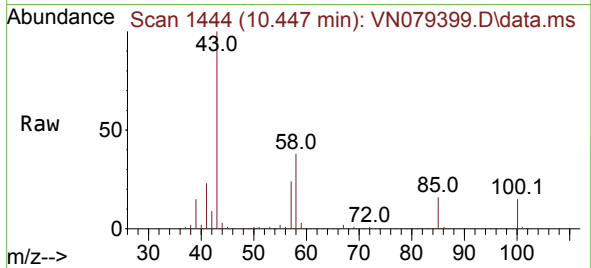




#51  
4-Methyl-2-Pentanone  
Concen: 322.548 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

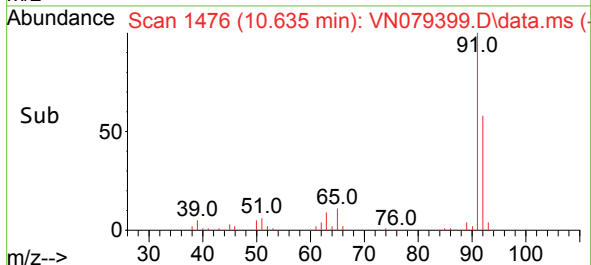
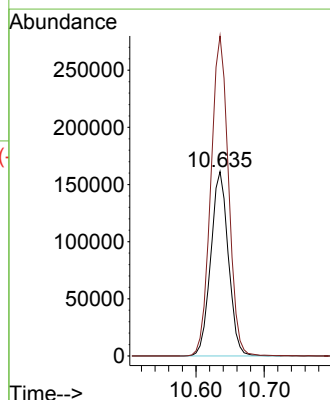
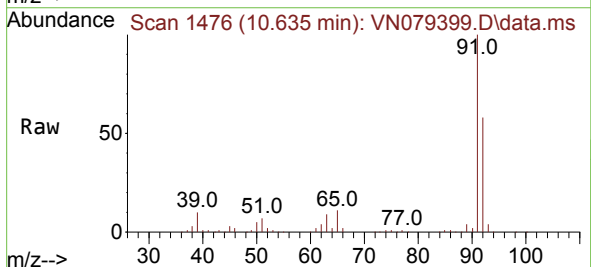
Instrument :  
MSVOA\_N  
ClientSampleId :

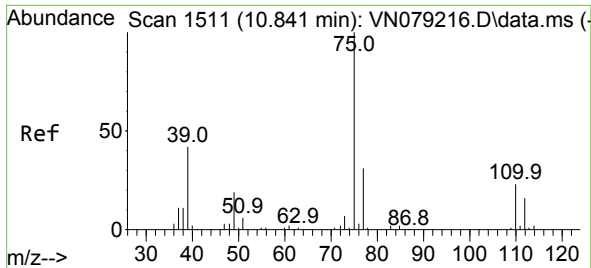
Tgt Ion: 43 Resp: 869176  
Ion Ratio Lower Upper  
43 100  
58 38.4 36.6 54.8



#52  
Toluene  
Concen: 53.882 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 92 Resp: 289133  
Ion Ratio Lower Upper  
92 100  
91 174.7 137.4 206.0

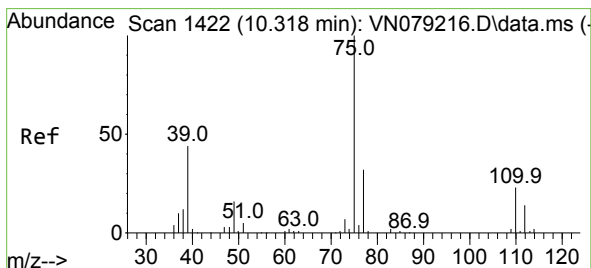
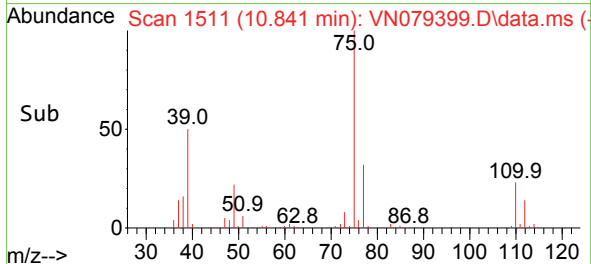
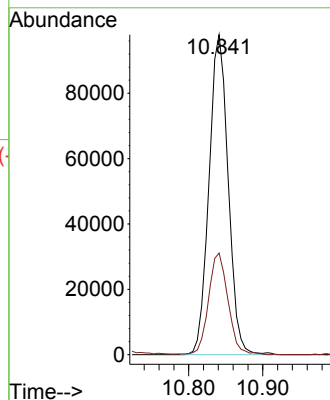
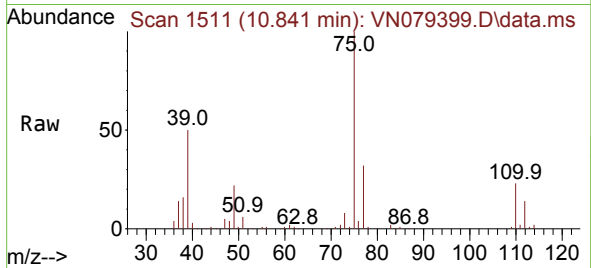




#53  
 t-1,3-Dichloropropene  
 Concen: 55.346 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

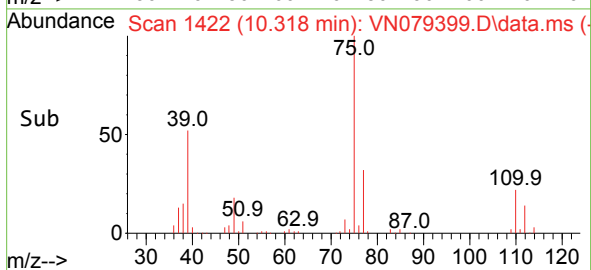
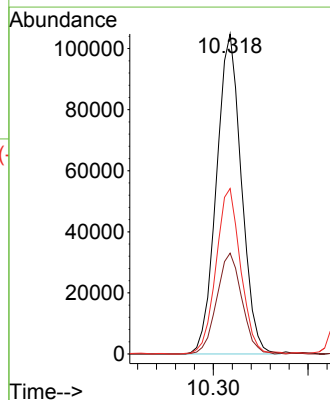
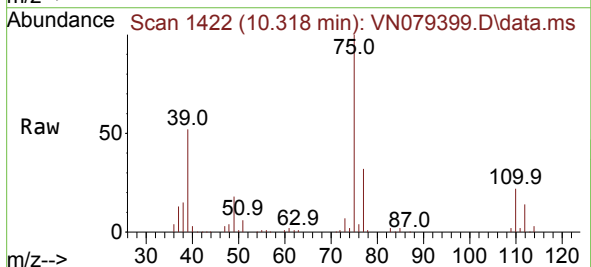
Instrument :  
 MSVOA\_N  
 ClientSampleId :

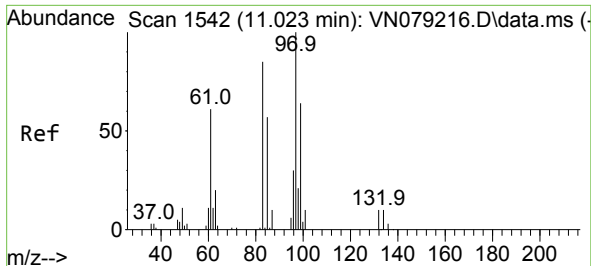
Tgt Ion: 75 Resp: 175838  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 56.371 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN079399.D  
 Acq: 04 Oct 2023 13:04

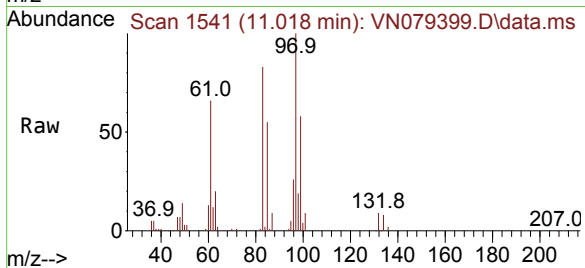
Tgt Ion: 75 Resp: 191553  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 26.1 39.1  
 39 51.7 31.6 47.4#



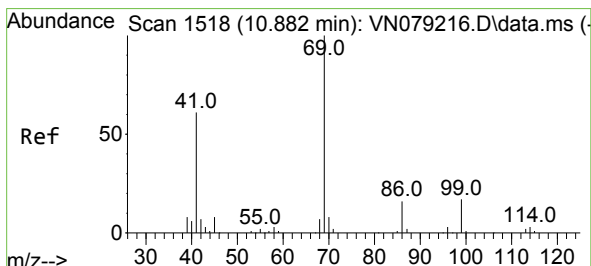
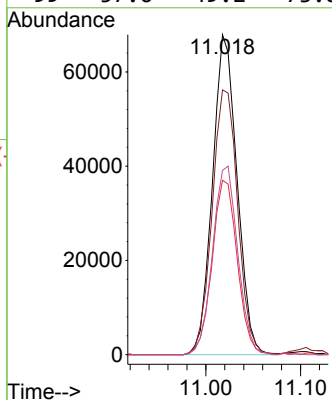
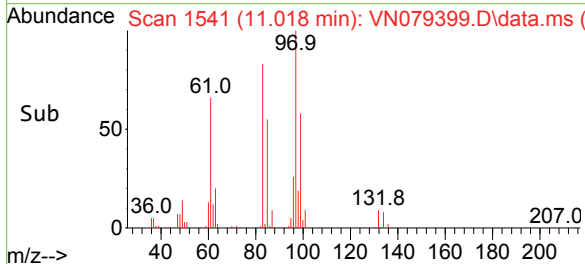


#55  
1,1,2-Trichloroethane  
Concen: 58.127 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

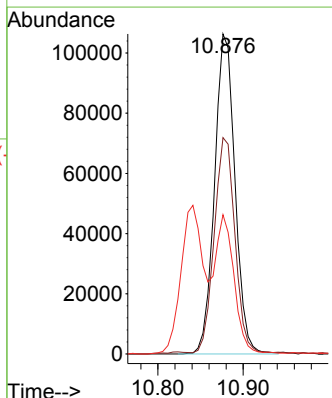
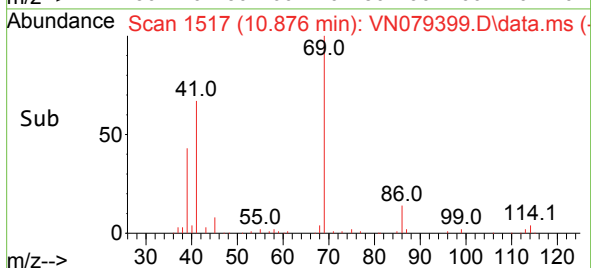
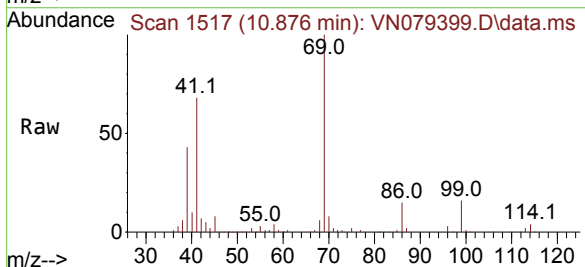


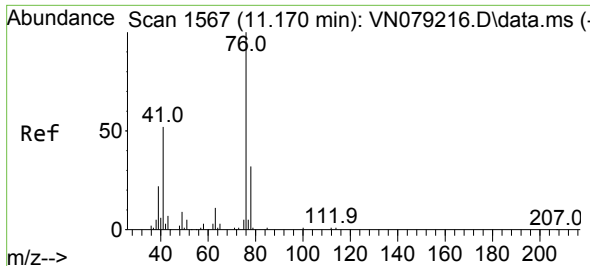
Tgt Ion: 97 Resp: 122390  
Ion Ratio Lower Upper  
97 100  
83 82.7 65.1 97.7  
85 54.5 43.4 65.2  
99 57.6 49.2 73.8



#56  
Ethyl methacrylate  
Concen: 59.584 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 69 Resp: 177099  
Ion Ratio Lower Upper  
69 100  
41 68.4 39.6 59.4#  
39 40.5 28.6 43.0





#57

1,3-Dichloropropane

Concen: 58.489 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

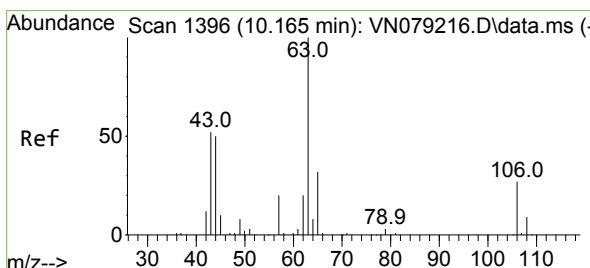
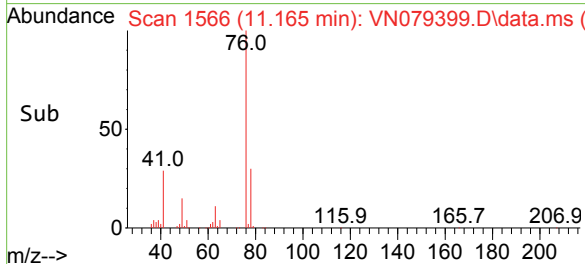
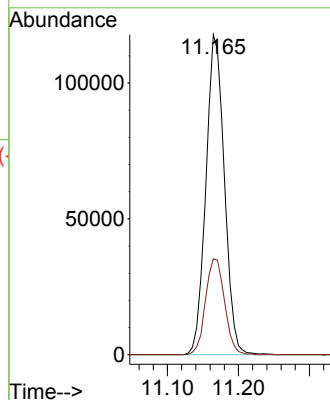
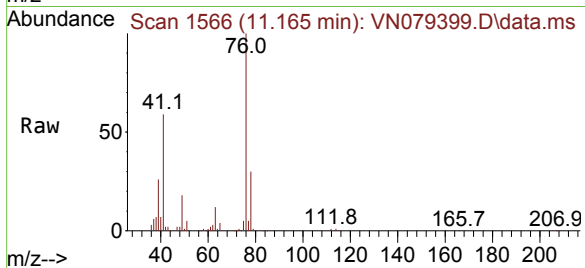
ClientSampleId :

Tgt Ion: 76 Resp: 212893

Ion Ratio Lower Upper

76 100

78 30.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 274.530 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN079399.D

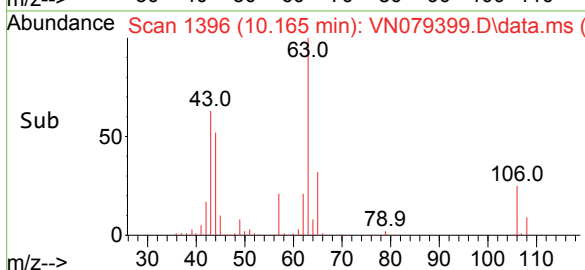
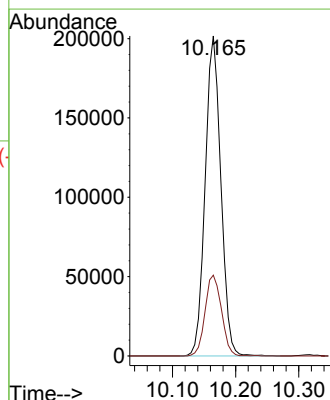
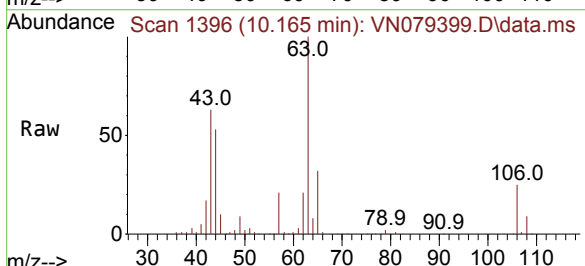
Acq: 04 Oct 2023 13:04

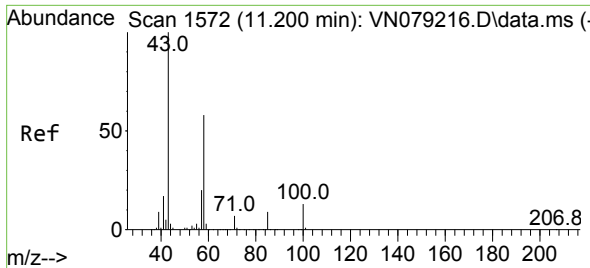
Tgt Ion: 63 Resp: 346975

Ion Ratio Lower Upper

63 100

106 26.4 26.2 39.4

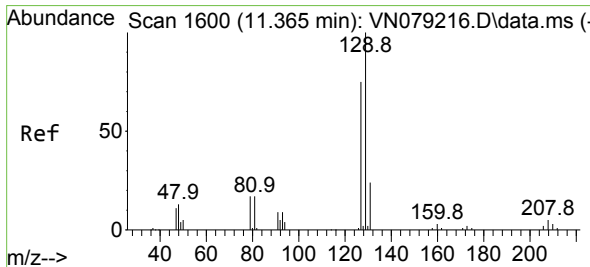
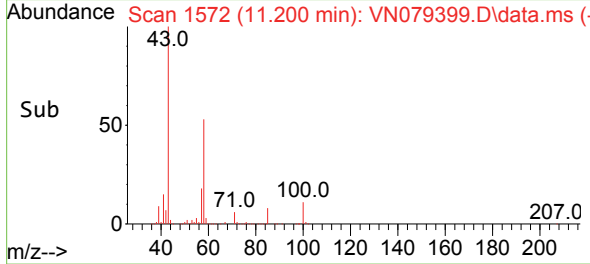
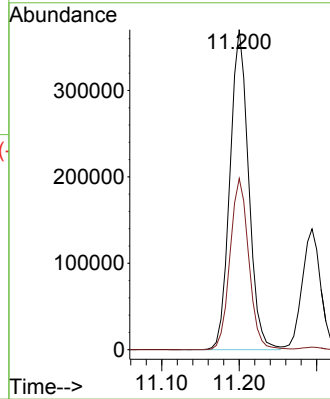
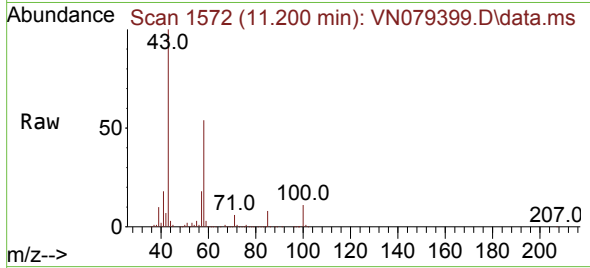




#59  
2-Hexanone  
Concen: 318.138 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

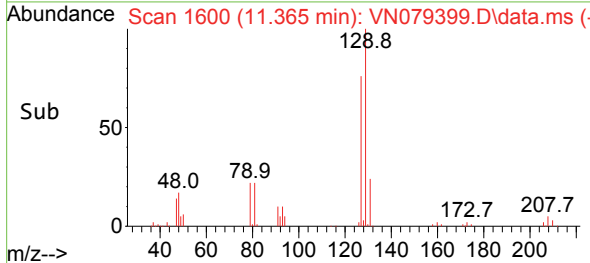
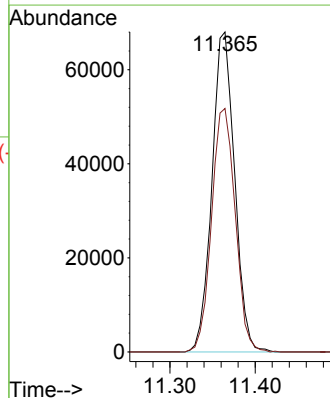
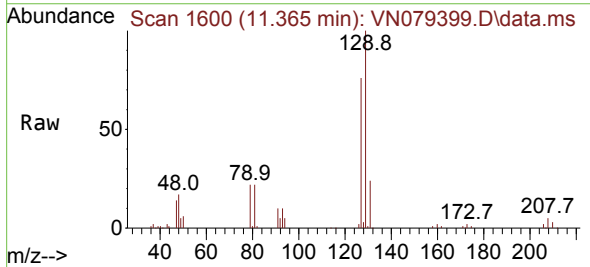
Instrument :  
MSVOA\_N  
ClientSampleId :

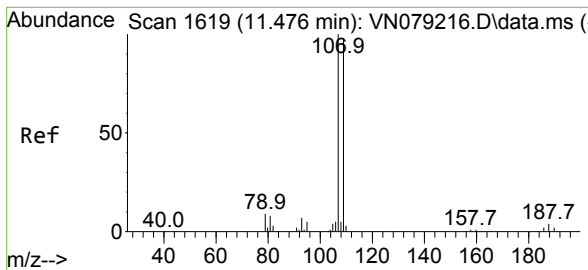
Tgt Ion: 43 Resp: 620926  
Ion Ratio Lower Upper  
43 100  
58 53.7 31.7 95.1



#60  
Dibromochloromethane  
Concen: 56.213 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion:129 Resp: 125968  
Ion Ratio Lower Upper  
129 100  
127 79.5 38.6 116.0

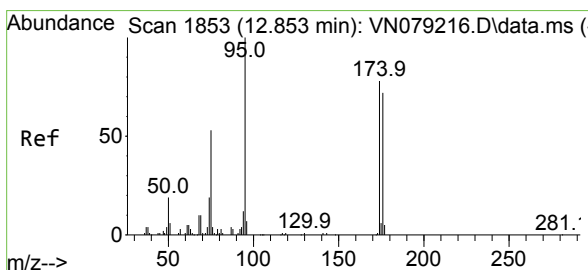
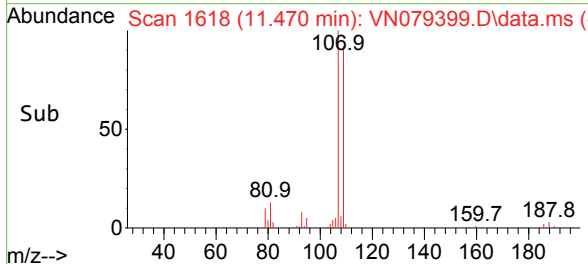
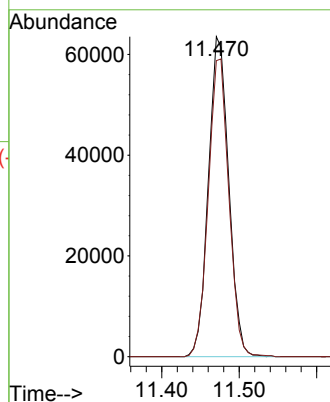
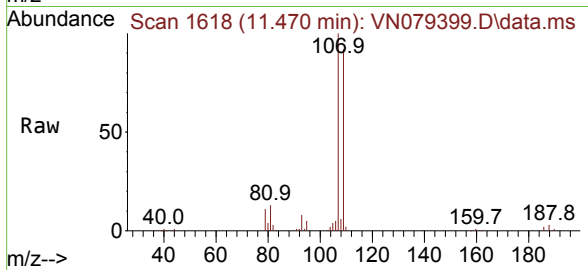




#61  
1,2-Dibromoethane  
Concen: 55.069 ug/l  
RT: 11.470 min Scan# 1619  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

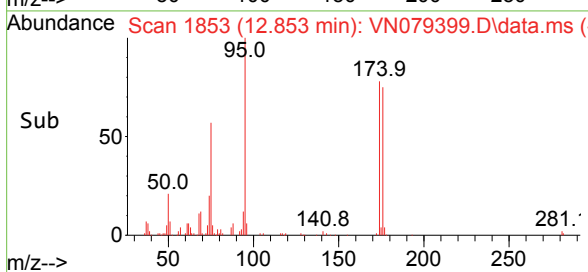
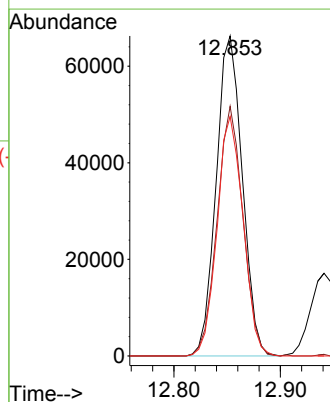
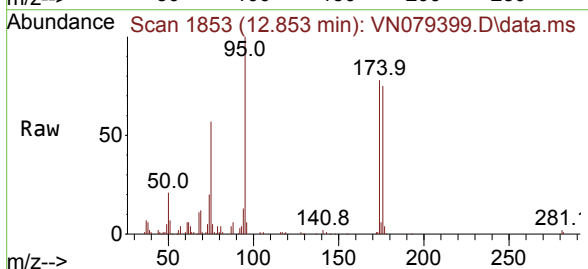
Instrument :  
MSVOA\_N  
ClientSampleId :

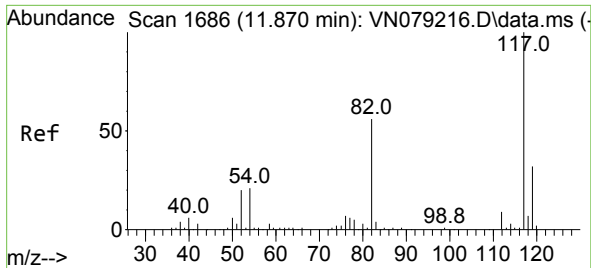
Tgt Ion:107 Resp: 115716  
Ion Ratio Lower Upper  
107 100  
109 94.1 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 52.083 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

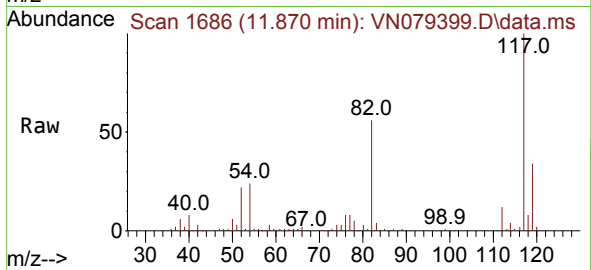
Tgt Ion: 95 Resp: 112884  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 143.8  
176 74.5 0.0 135.8



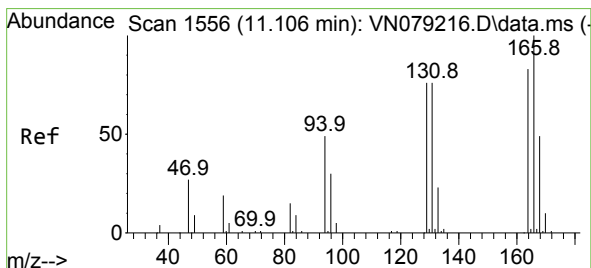
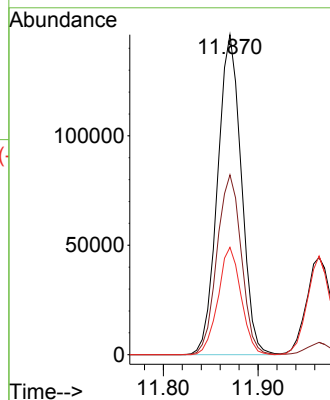
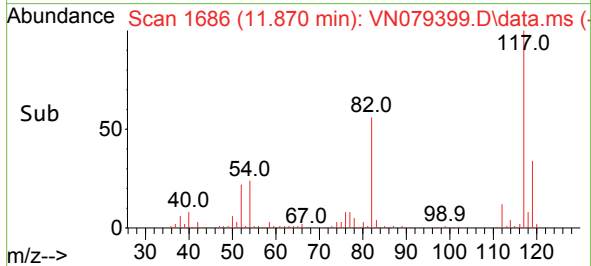


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

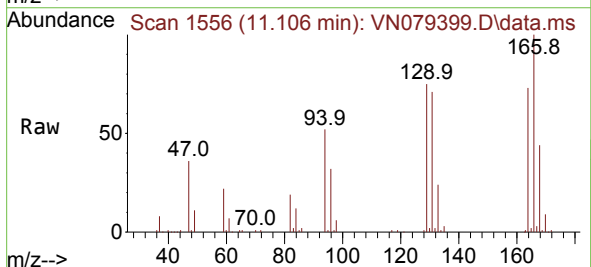
Instrument :  
MSVOA\_N  
ClientSampleId :



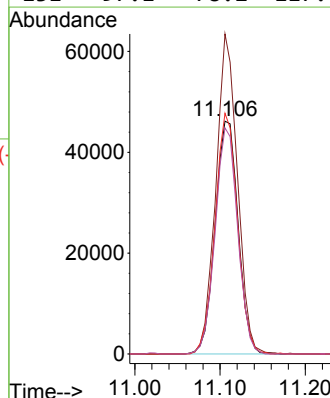
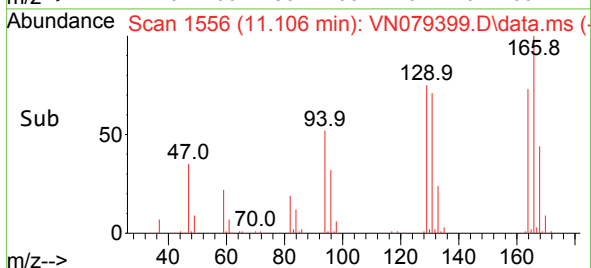
Tgt Ion:117 Resp: 254961  
Ion Ratio Lower Upper  
117 100  
82 56.2 44.0 66.0  
119 33.6 25.6 38.4

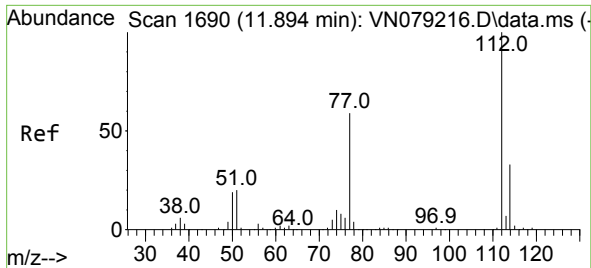


#64  
Tetrachloroethene  
Concen: 46.645 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04



Tgt Ion:164 Resp: 86718  
Ion Ratio Lower Upper  
164 100  
166 137.4 101.4 152.0  
129 103.4 82.4 123.6  
131 97.1 78.2 117.4

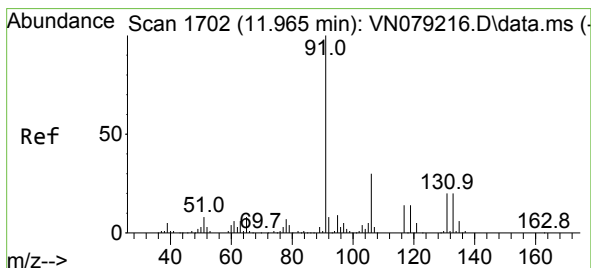
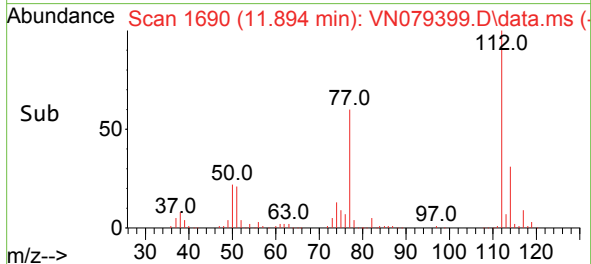
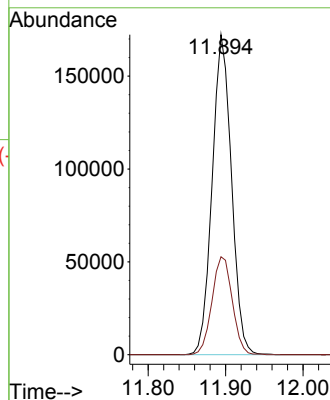
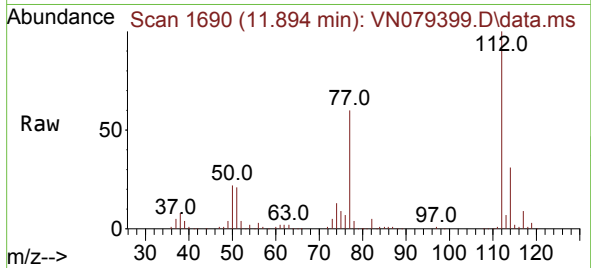




#65  
Chlorobenzene  
Concen: 51.548 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

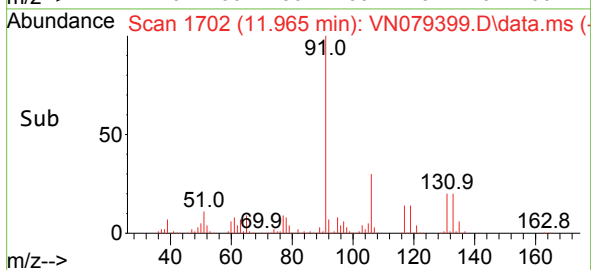
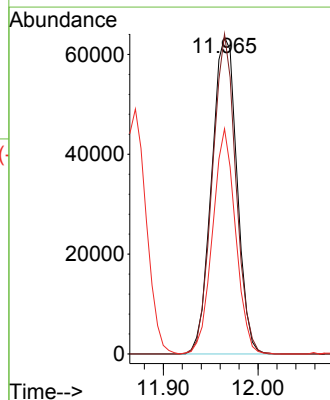
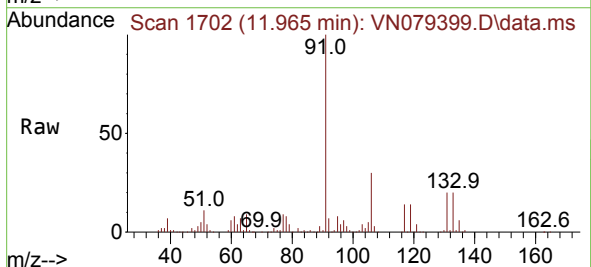
Instrument :  
MSVOA\_N  
ClientSampleId :

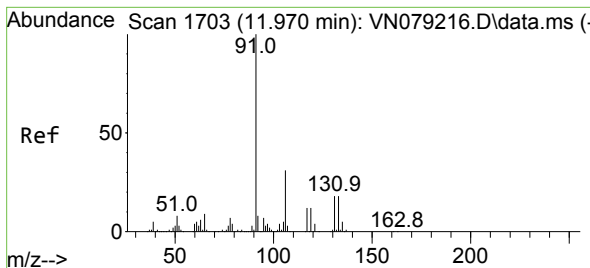
Tgt Ion:112 Resp: 297735  
Ion Ratio Lower Upper  
112 100  
114 30.6 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.424 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion:131 Resp: 117875  
Ion Ratio Lower Upper  
131 100  
133 94.1 46.4 139.1  
119 64.6 34.1 102.2





#67

Ethyl Benzene

Concen: 55.373 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. -0.001 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

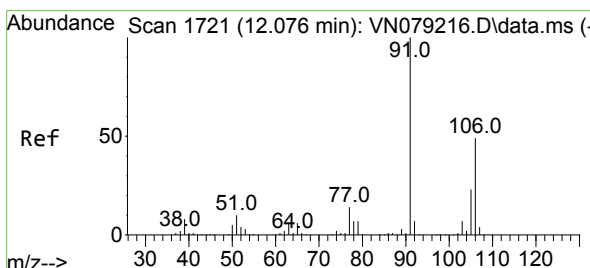
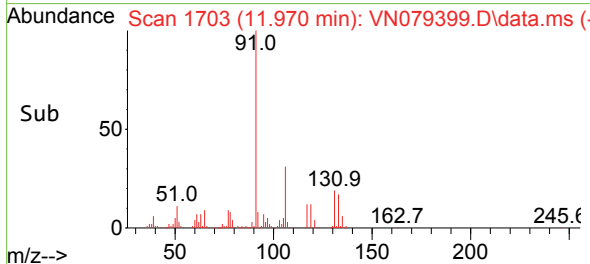
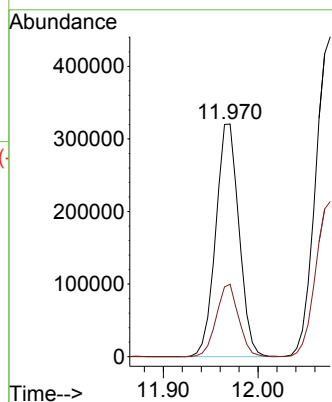
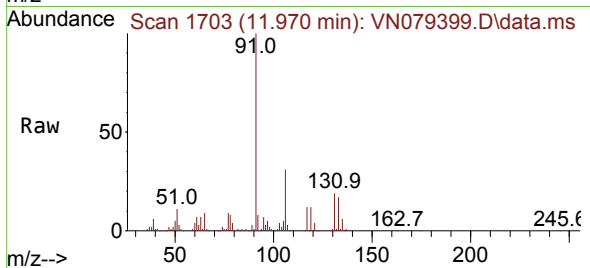
ClientSampleId :

Tgt Ion: 91 Resp: 547051

Ion Ratio Lower Upper

91 100

106 31.2 25.6 38.4



#68

m/p-Xylenes

Concen: 112.028 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VN079399.D

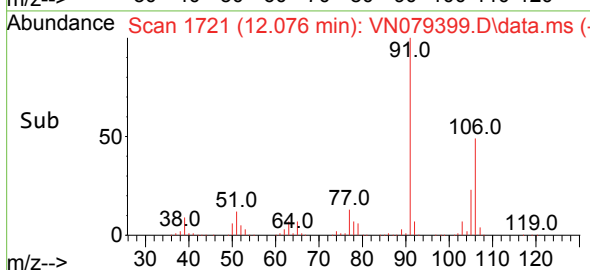
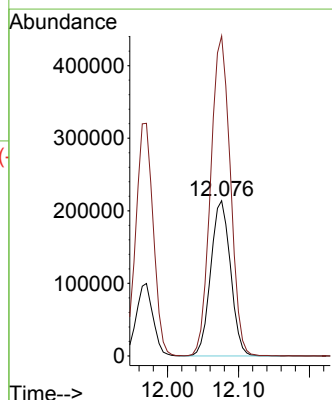
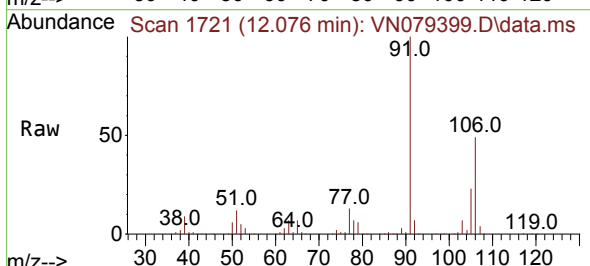
Acq: 04 Oct 2023 13:04

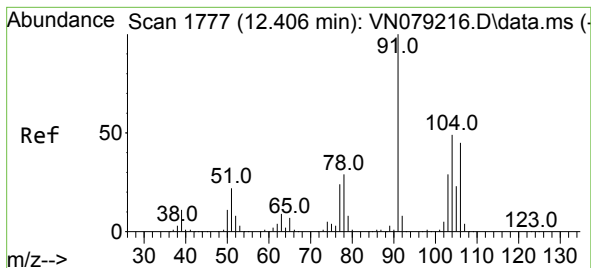
Tgt Ion: 106 Resp: 412533

Ion Ratio Lower Upper

106 100

91 206.0 159.6 239.4

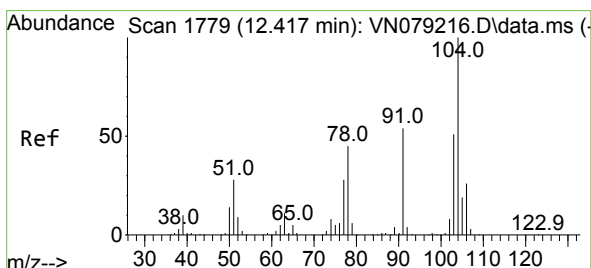
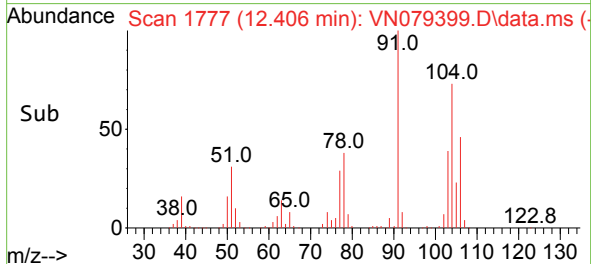
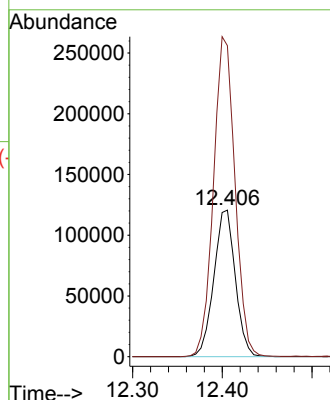
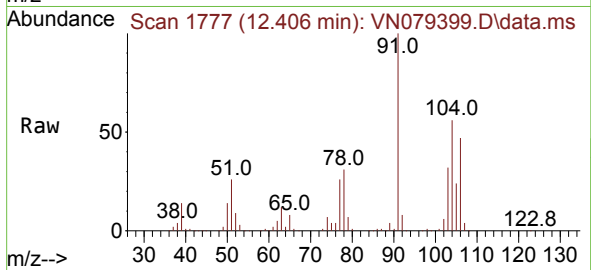




#69  
o-Xylene  
Concen: 56.843 ug/l  
RT: 12.406 min Scan# 1777  
Delta R.T. 0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

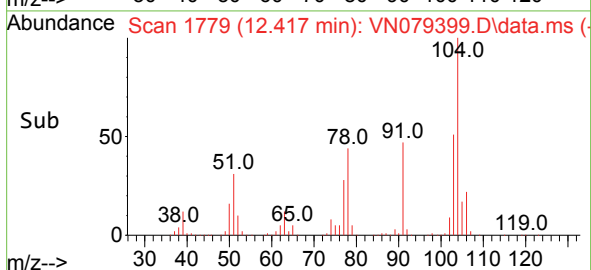
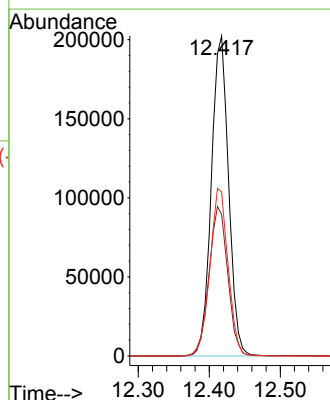
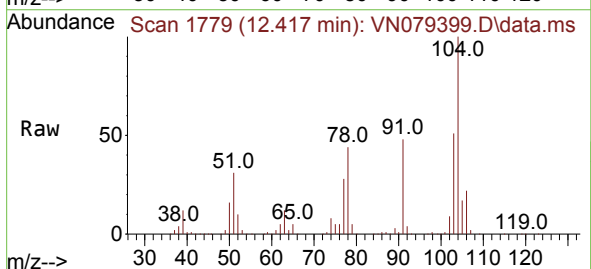
Instrument :  
MSVOA\_N  
ClientSampleId :

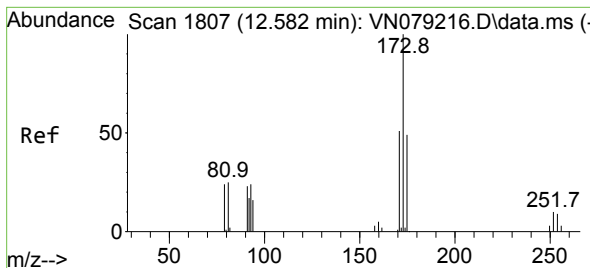
Tgt Ion:106 Resp: 200753  
Ion Ratio Lower Upper  
106 100  
91 218.5 105.2 315.5



#70  
Styrene  
Concen: 60.050 ug/l  
RT: 12.417 min Scan# 1779  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion:104 Resp: 341089  
Ion Ratio Lower Upper  
104 100  
78 50.8 39.5 59.3  
103 55.2 43.2 64.8





#71

Bromoform

Concen: 53.277 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079399.D

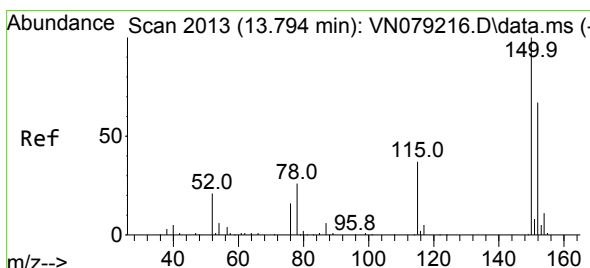
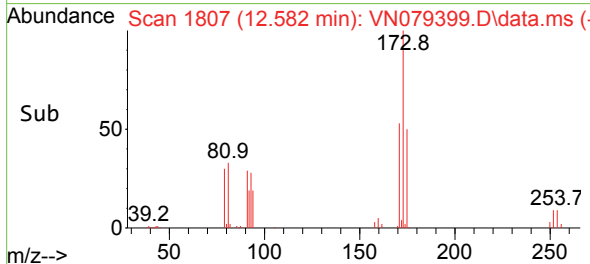
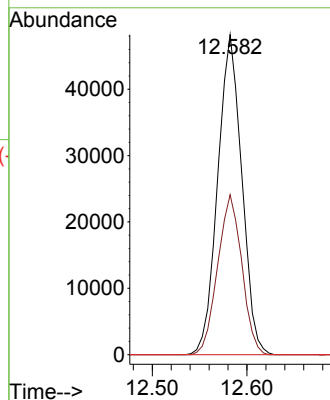
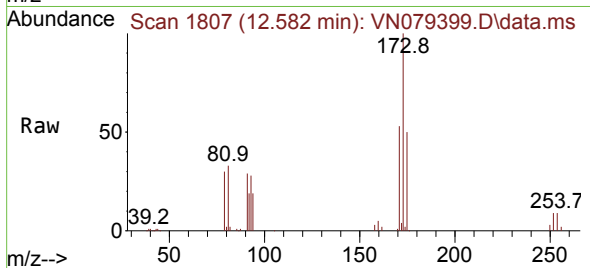
Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 85186 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 50.1  | 24.3  | 73.0  |
| 254       | 0.0   | 0.0   | 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

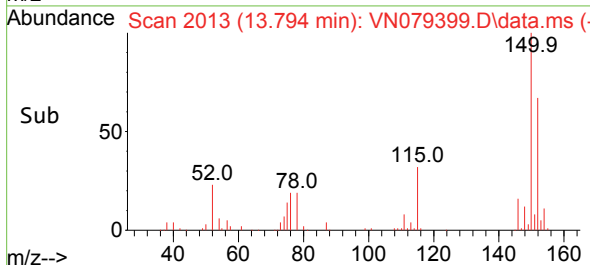
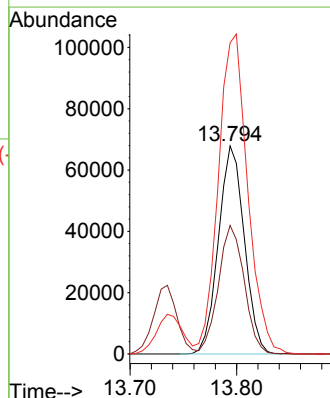
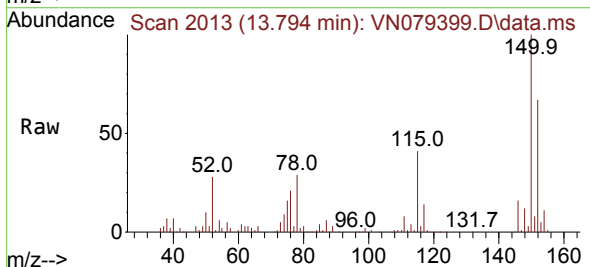
RT: 13.794 min Scan# 2013

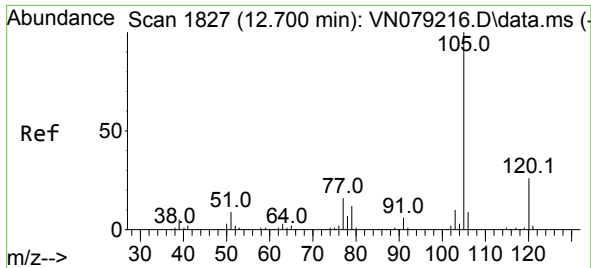
Delta R.T. -0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 114464 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 61.5  | 32.3  | 96.8   |
| 150       | 174.4 | 0.0   | 355.8  |

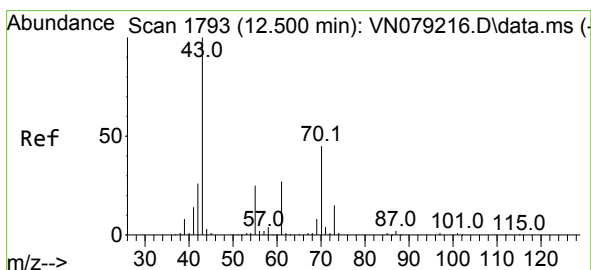
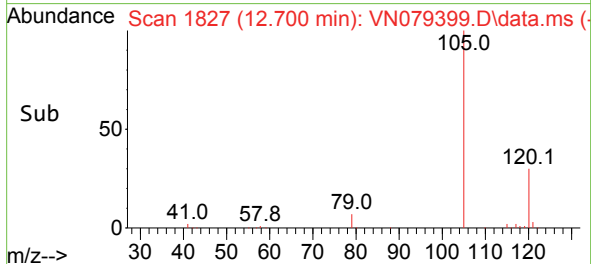
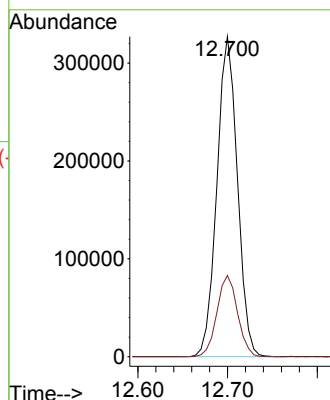
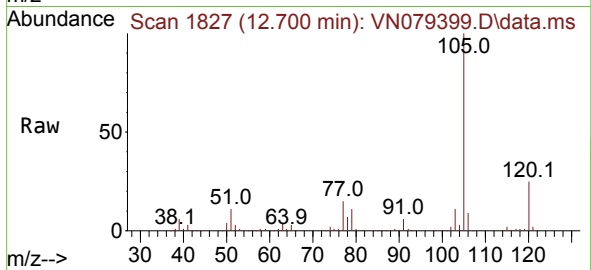




#73  
Isopropylbenzene  
Concen: 49.755 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

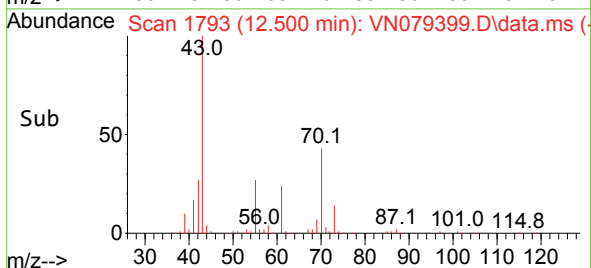
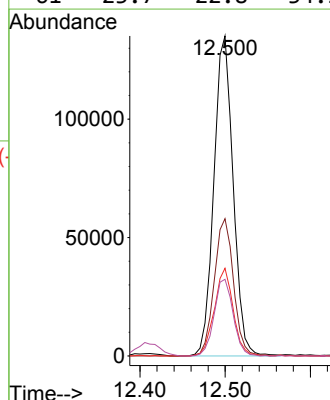
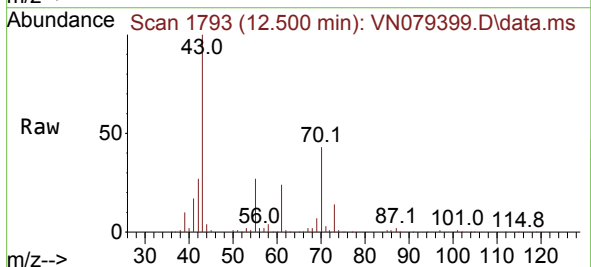
Instrument :  
MSVOA\_N  
ClientSampleId :

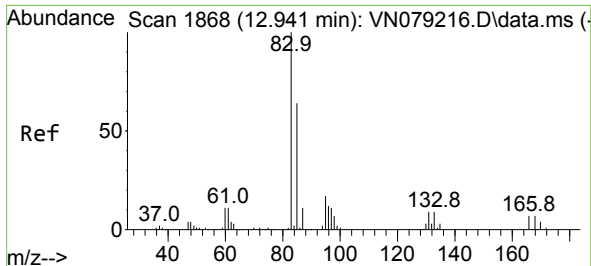
Tgt Ion:105 Resp: 518162  
Ion Ratio Lower Upper  
105 100  
120 25.5 13.1 39.1



#74  
N-ethyl acetate  
Concen: 53.772 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 43 Resp: 212456  
Ion Ratio Lower Upper  
43 100  
70 42.9 43.4 65.2#  
55 26.9 21.4 32.0  
61 23.7 22.8 34.2

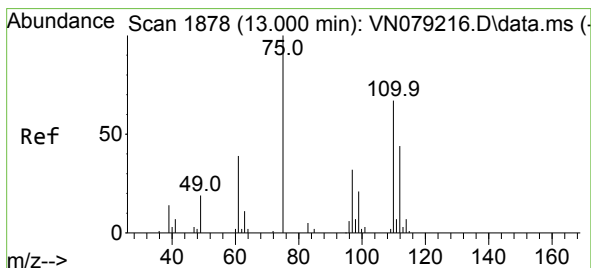
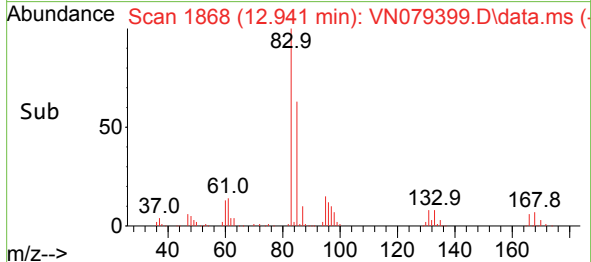
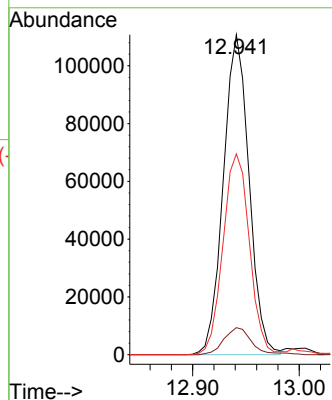
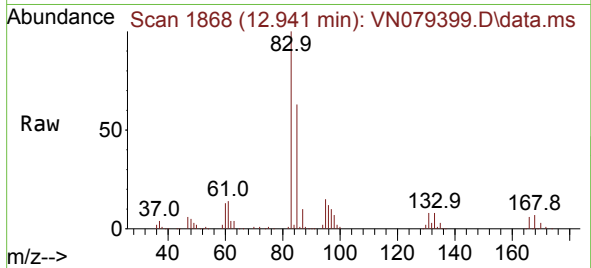




#75  
1,1,2,2-Tetrachloroethane  
Concen: 47.864 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

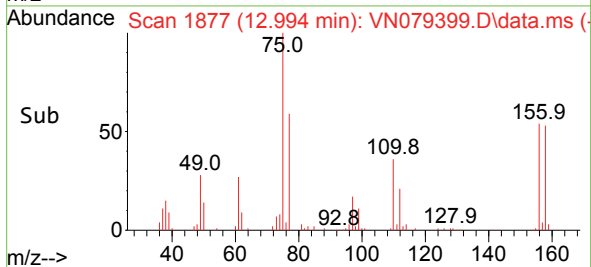
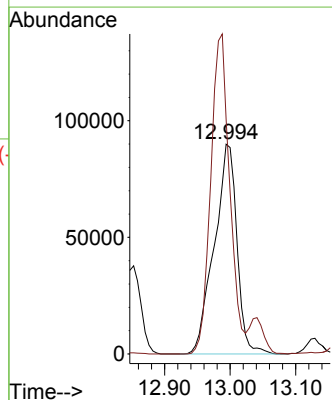
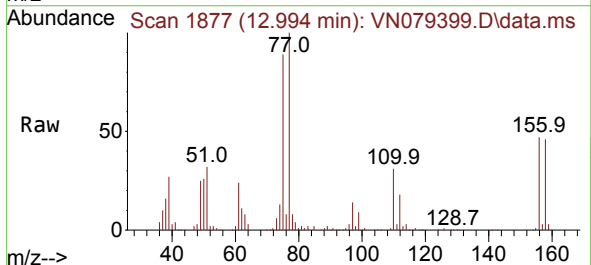
Instrument :  
MSVOA\_N  
ClientSampleId :

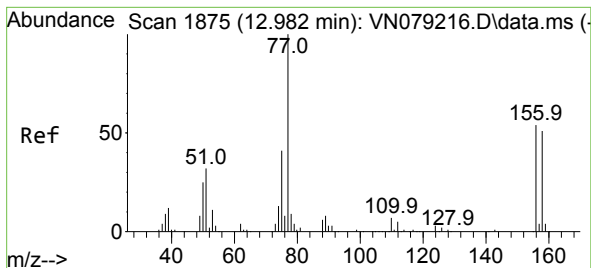
Tgt Ion: 83 Resp: 185615  
Ion Ratio Lower Upper  
83 100  
131 9.1 5.0 15.0  
85 64.8 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 69.880 ug/l  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 75 Resp: 215577  
Ion Ratio Lower Upper  
75 100  
77 128.1 84.5 253.5





#77

Bromobenzene

Concen: 45.695 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

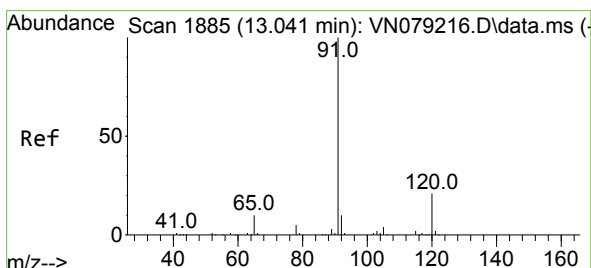
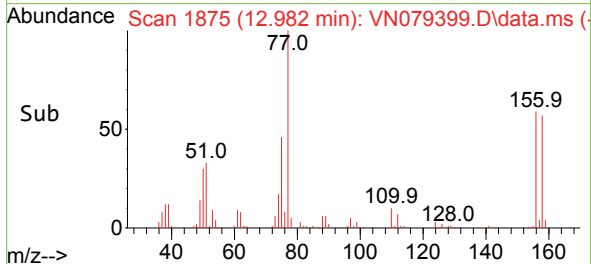
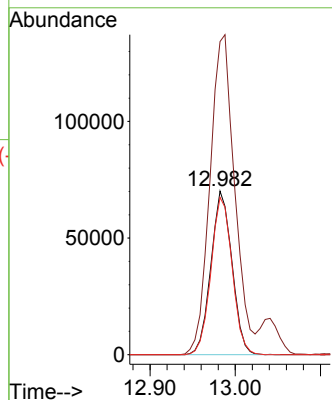
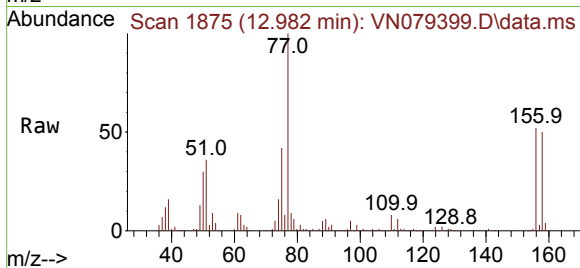
Tgt Ion:156 Resp: 120497

Ion Ratio Lower Upper

156 100

77 229.1 107.7 323.3

158 96.6 48.4 145.3



#78

n-propylbenzene

Concen: 52.548 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN079399.D

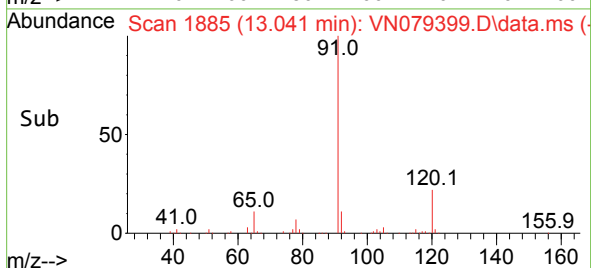
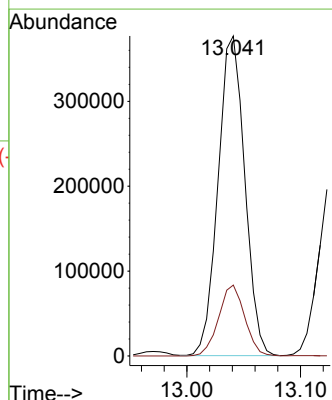
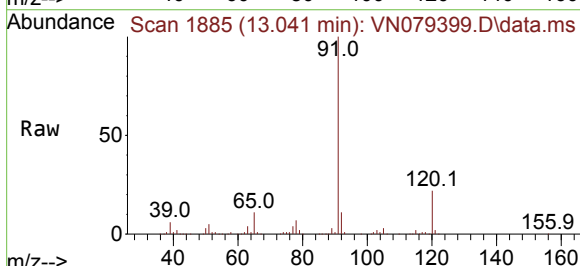
Acq: 04 Oct 2023 13:04

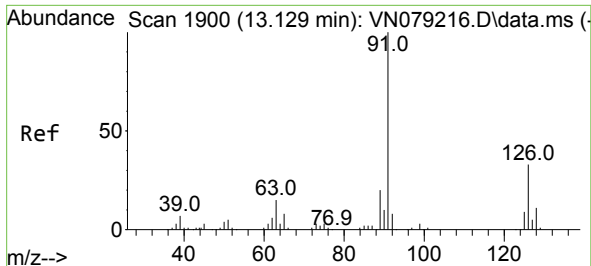
Tgt Ion: 91 Resp: 614742

Ion Ratio Lower Upper

91 100

120 21.7 11.5 34.4

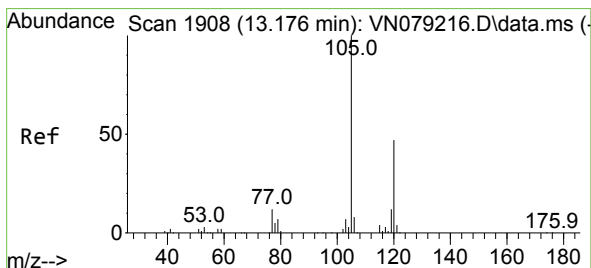
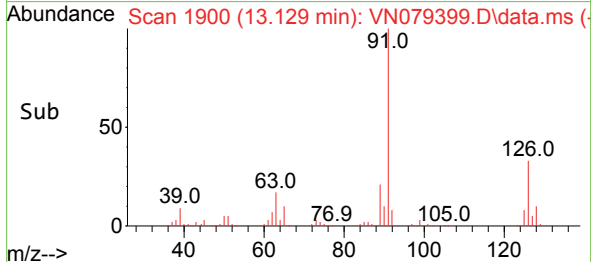
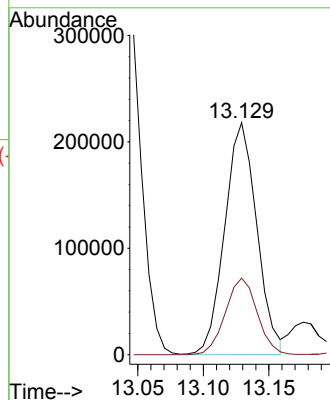
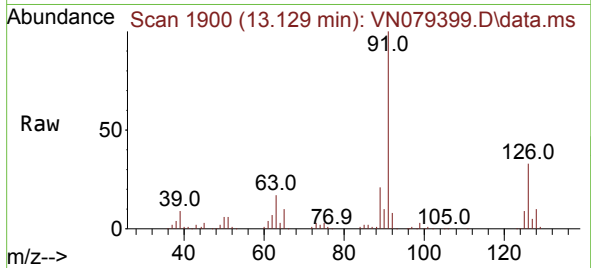




#79  
2-Chlorotoluene  
Concen: 48.448 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

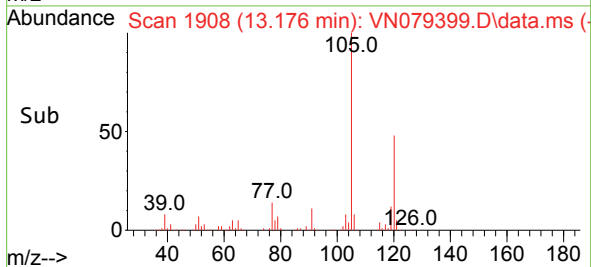
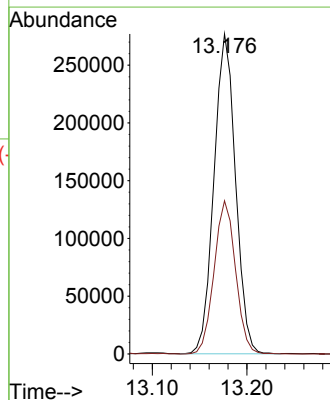
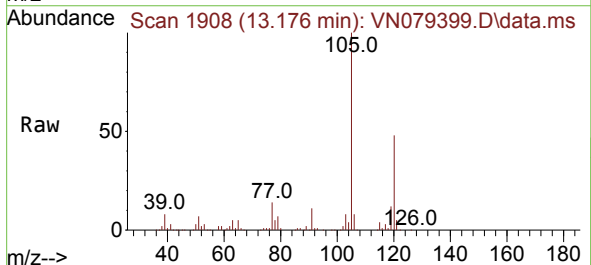
Instrument :  
MSVOA\_N  
ClientSampleId :

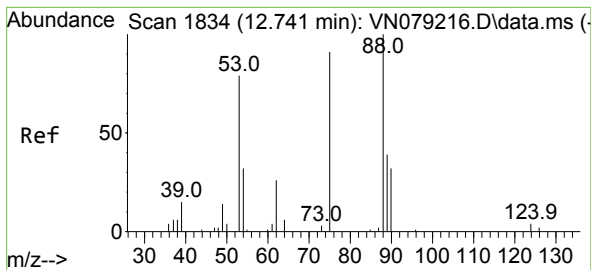
Tgt Ion: 91 Resp: 370704  
Ion Ratio Lower Upper  
91 100  
126 32.7 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 50.419 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 105 Resp: 437515  
Ion Ratio Lower Upper  
105 100  
120 47.8 24.1 72.3

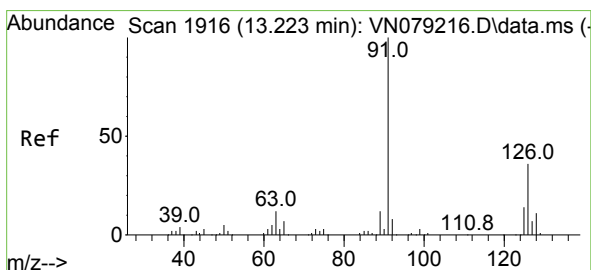
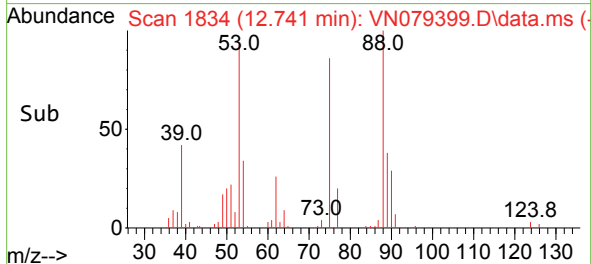
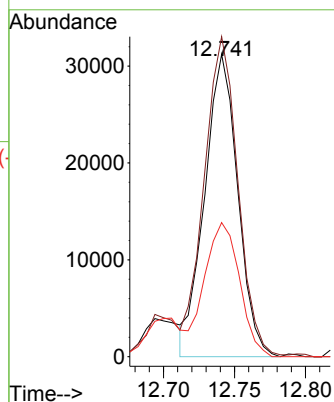
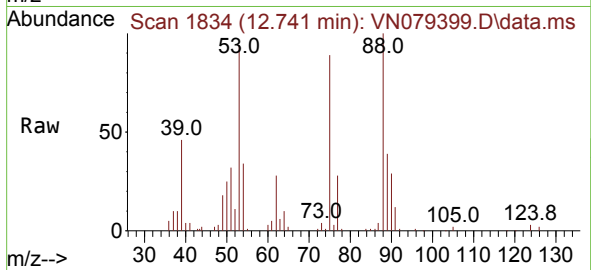




#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.100 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

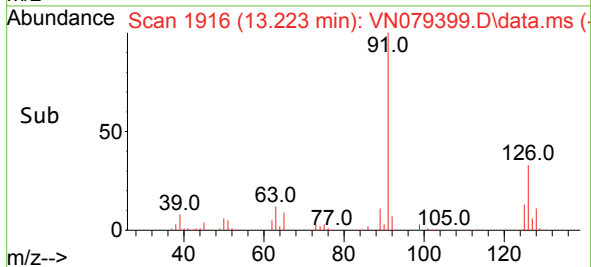
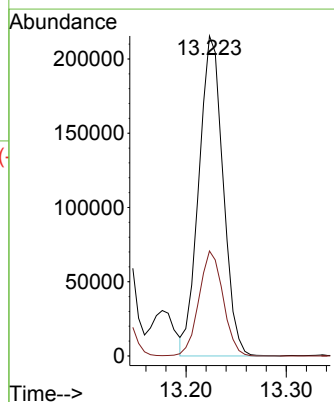
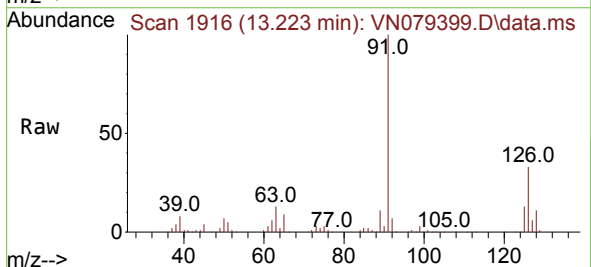
Instrument :  
MSVOA\_N  
ClientSampleId :

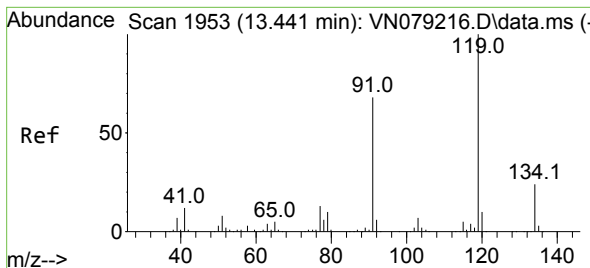
Tgt Ion: 75 Resp: 50608  
Ion Ratio Lower Upper  
75 100  
53 107.2 67.4 101.2#  
89 46.2 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 50.339 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Tgt Ion: 91 Resp: 361921  
Ion Ratio Lower Upper  
91 100  
126 32.7 16.7 50.0





#83

tert-Butylbenzene

Concen: 49.247 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

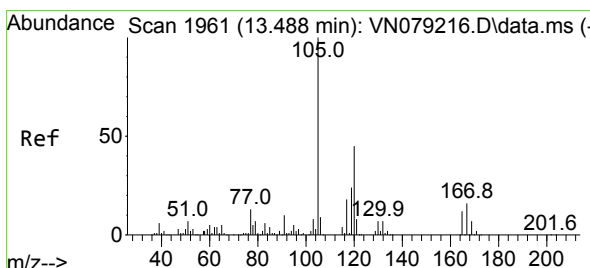
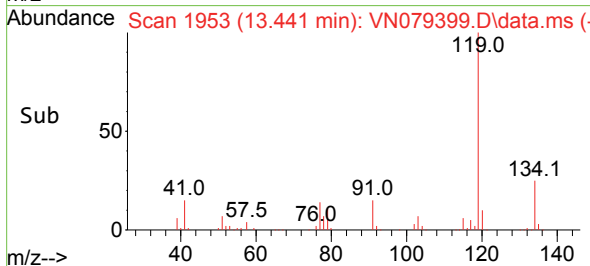
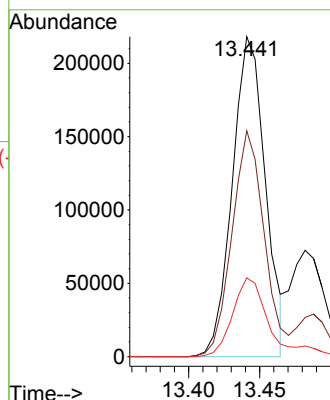
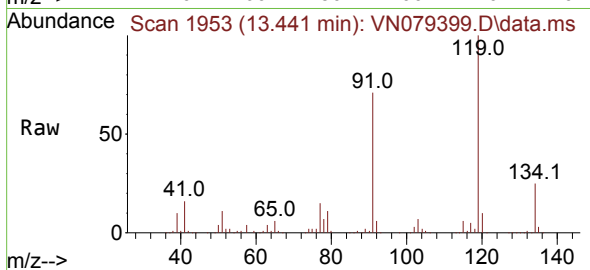
Tgt Ion:119 Resp: 353528

Ion Ratio Lower Upper

119 100

91 69.4 33.9 101.7

134 27.3 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 52.170 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN079399.D

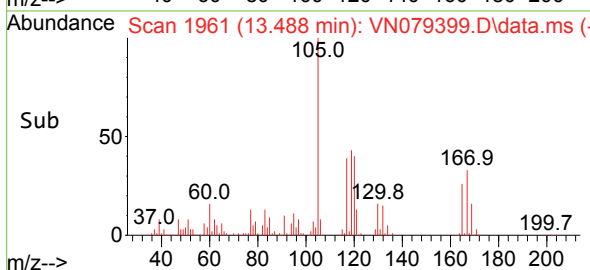
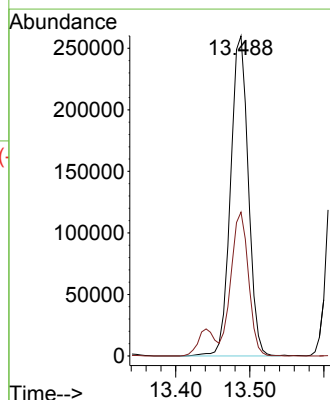
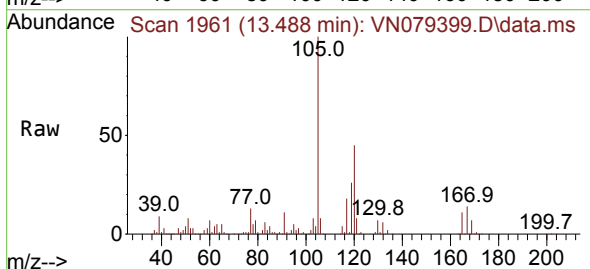
Acq: 04 Oct 2023 13:04

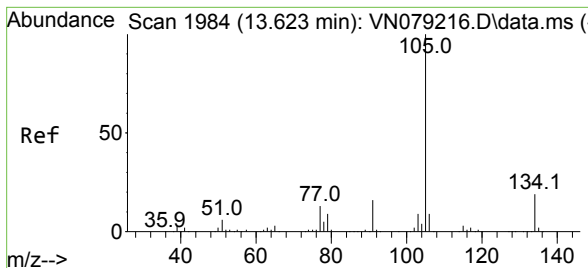
Tgt Ion:105 Resp: 431139

Ion Ratio Lower Upper

105 100

120 44.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 51.539 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.006 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

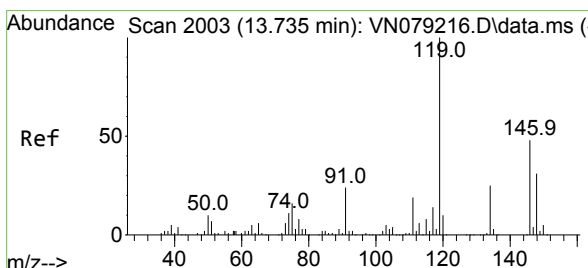
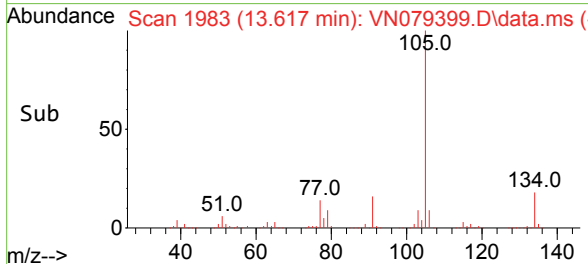
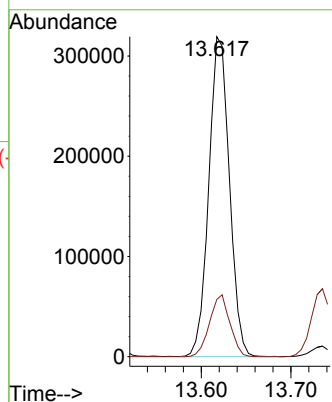
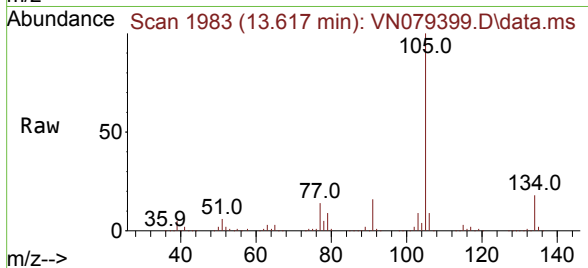
ClientSampleId :

Tgt Ion:105 Resp: 509353

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 51.105 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

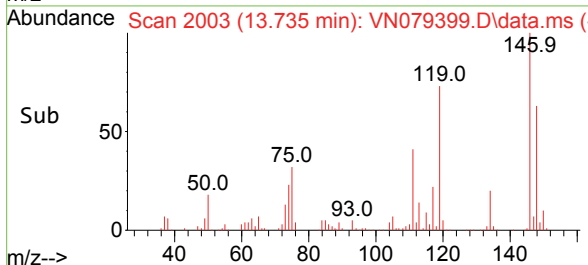
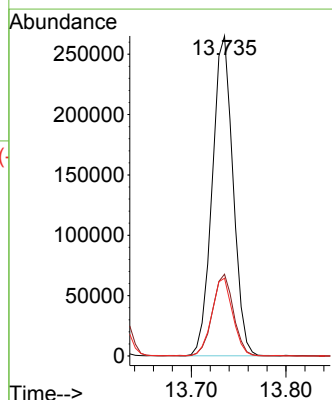
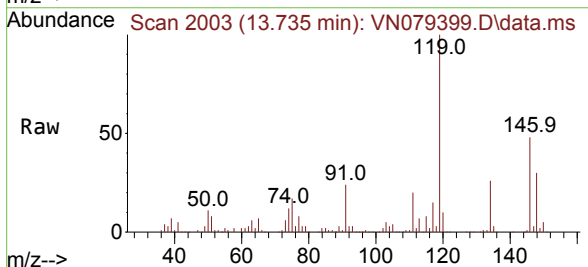
Tgt Ion:119 Resp: 403503

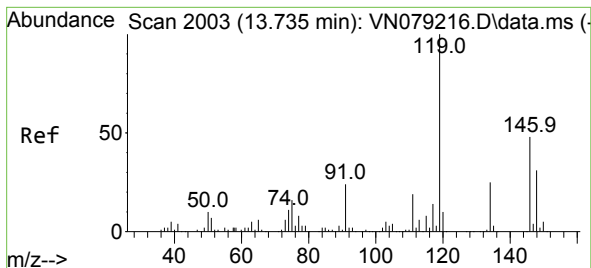
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 24.4 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.089 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.006 min

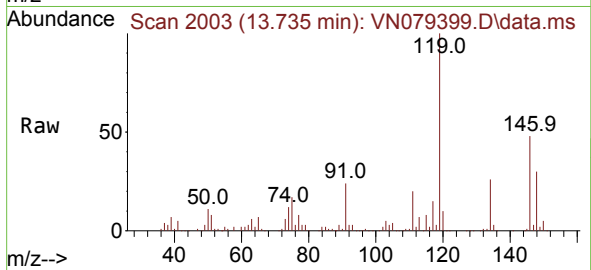
Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :



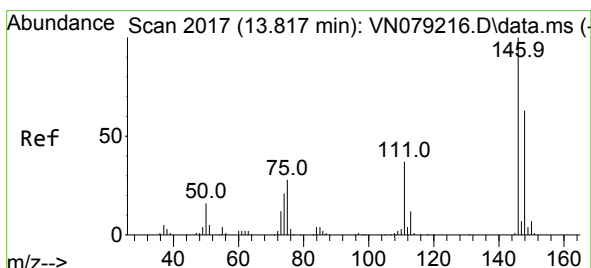
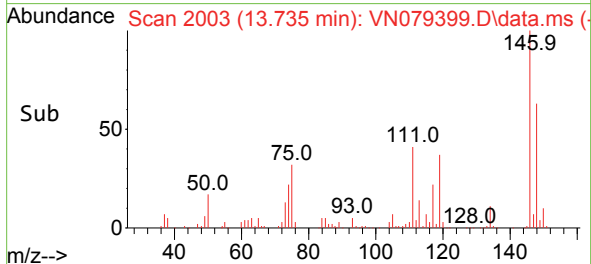
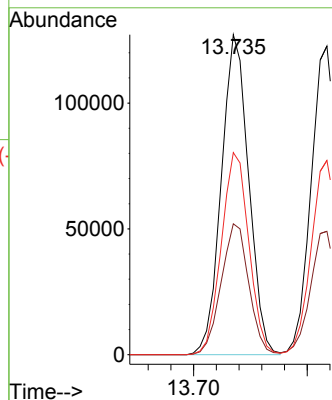
Tgt Ion:146 Resp: 212318

Ion Ratio Lower Upper

146 100

111 41.5 22.1 66.3

148 63.7 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 47.042 ug/l

RT: 13.817 min Scan# 2017

Delta R.T. -0.001 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

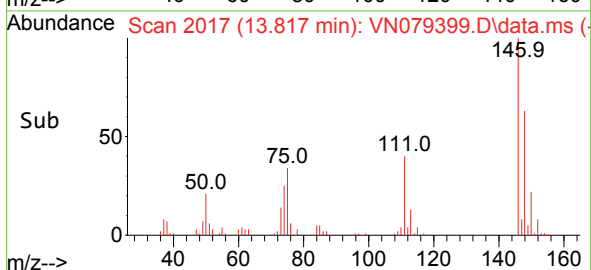
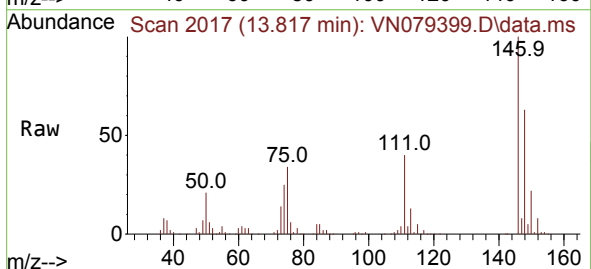
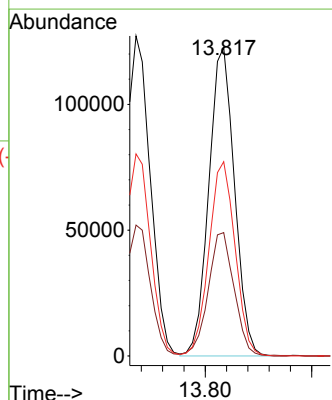
Tgt Ion:146 Resp: 205595

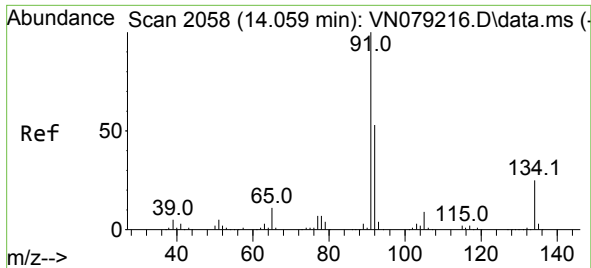
Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

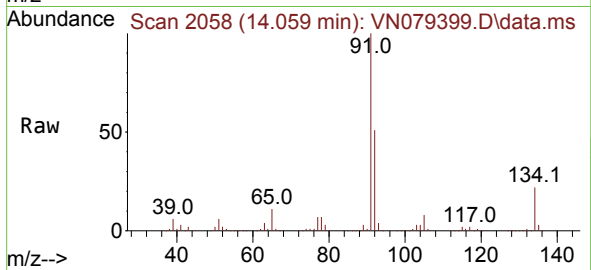
148 64.1 31.6 94.8



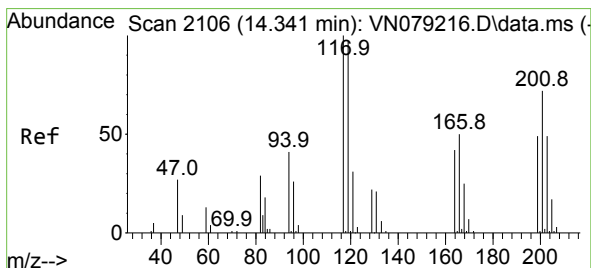
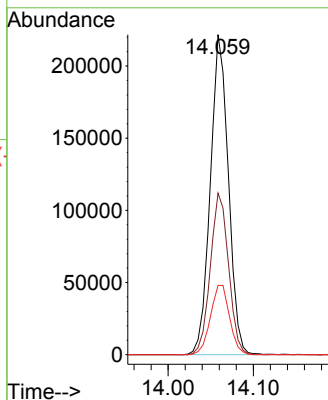
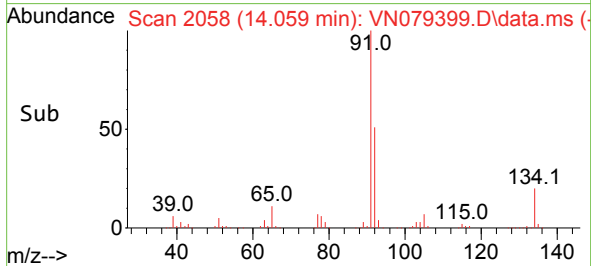


#89  
n-Butylbenzene  
Concen: 52.542 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

Instrument :  
MSVOA\_N  
ClientSampleId :

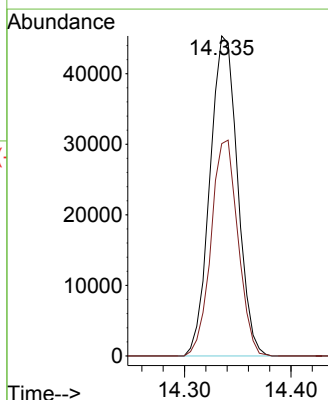
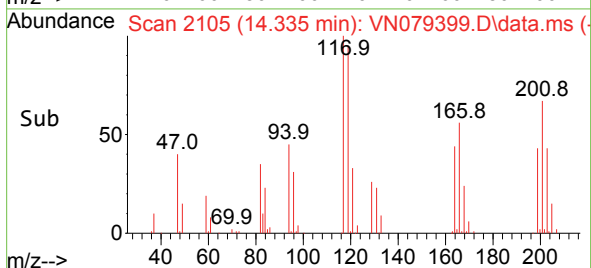
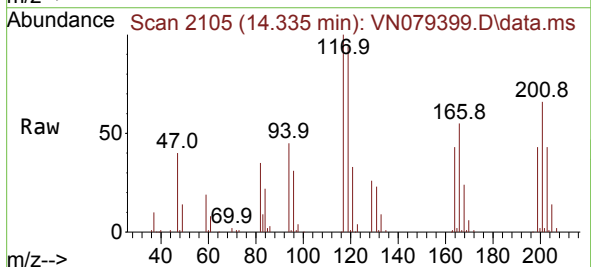


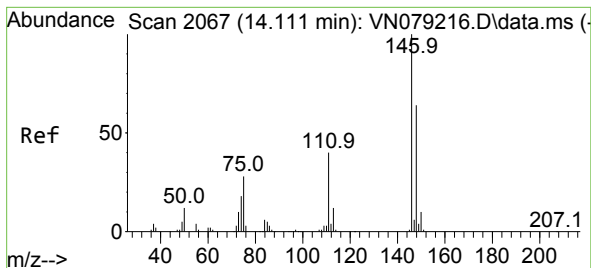
Tgt Ion: 91 Resp: 326227  
Ion Ratio Lower Upper  
91 100  
92 50.9 26.4 79.0  
134 23.0 12.6 37.6



#90  
Hexachloroethane  
Concen: 50.850 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

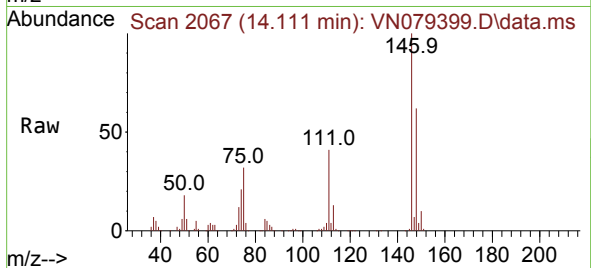
Tgt Ion: 117 Resp: 81533  
Ion Ratio Lower Upper  
117 100  
201 65.7 29.3 88.0



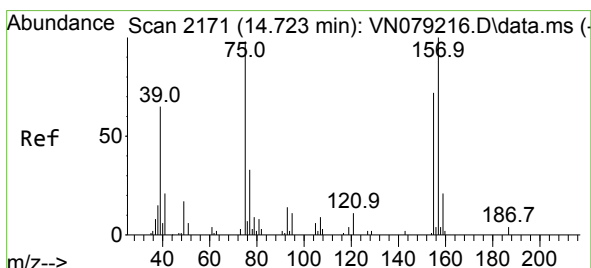
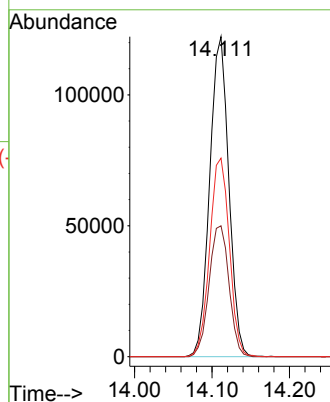
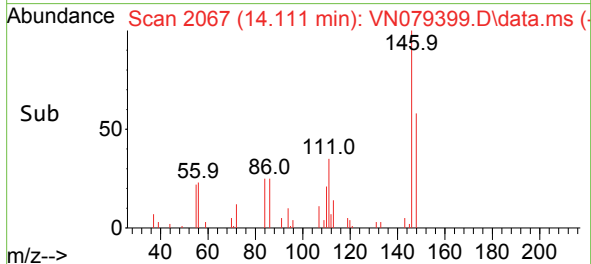


#91  
1,2-Dichlorobenzene  
Concen: 49.009 ug/l  
RT: 14.111 min Scan# 2067  
Delta R.T. -0.001 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04

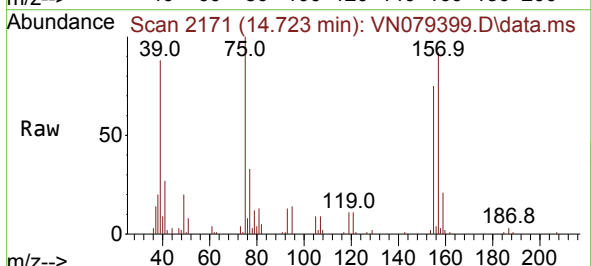
Instrument :  
MSVOA\_N  
ClientSampleId :



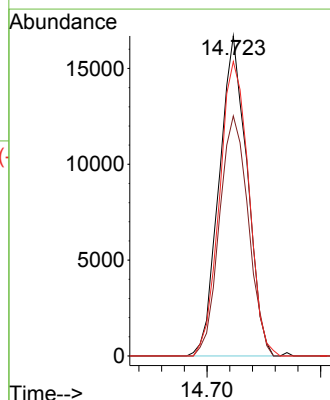
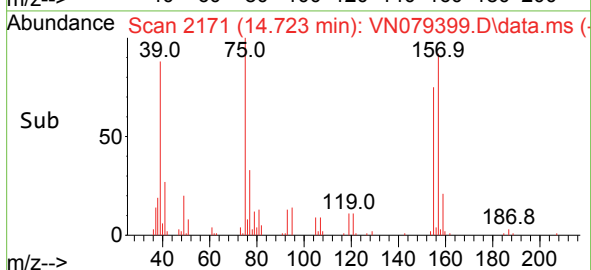
Tgt Ion:146 Resp: 209253  
Ion Ratio Lower Upper  
146 100  
111 42.6 22.0 66.0  
148 63.9 31.8 95.3

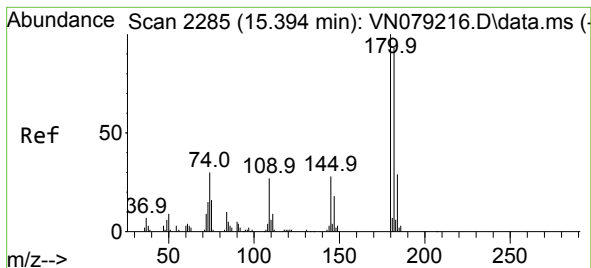


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 48.395 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN079399.D  
Acq: 04 Oct 2023 13:04



Tgt Ion: 75 Resp: 28530  
Ion Ratio Lower Upper  
75 100  
155 77.4 39.1 117.2  
157 95.7 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 43.508 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

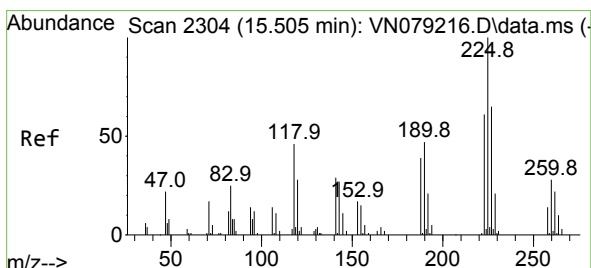
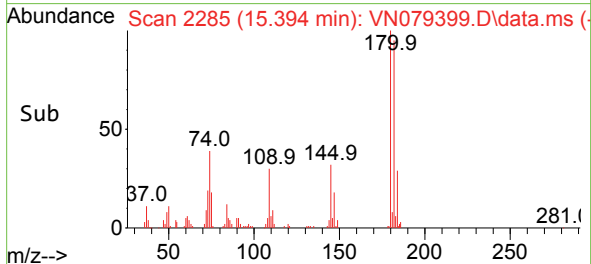
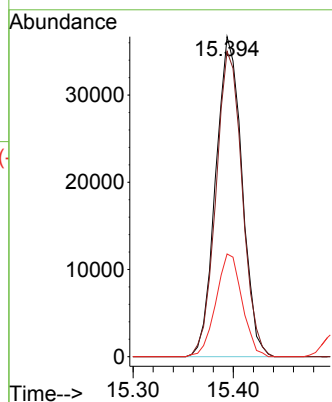
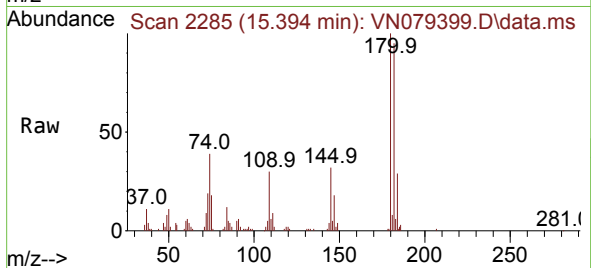
Tgt Ion:180 Resp: 66757

Ion Ratio Lower Upper

180 100

182 95.3 46.1 138.2

145 31.9 16.6 49.8



#94

Hexachlorobutadiene

Concen: 38.320 ug/l

RT: 15.505 min Scan# 2304

Delta R.T. -0.001 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

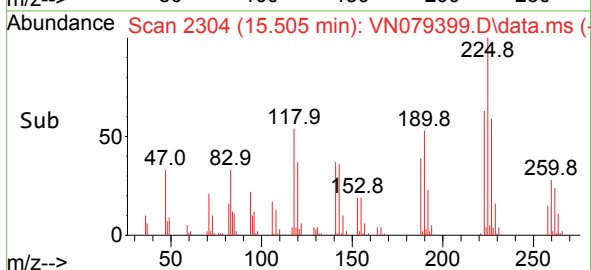
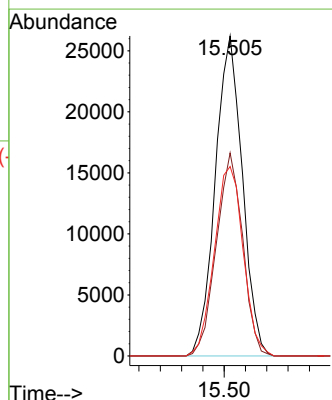
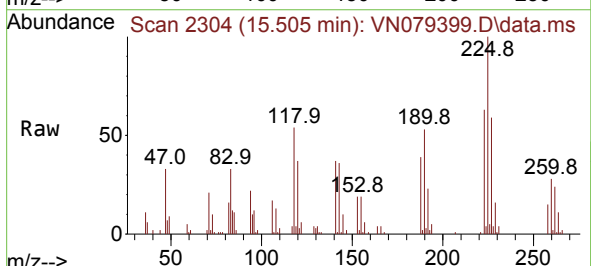
Tgt Ion:225 Resp: 46252

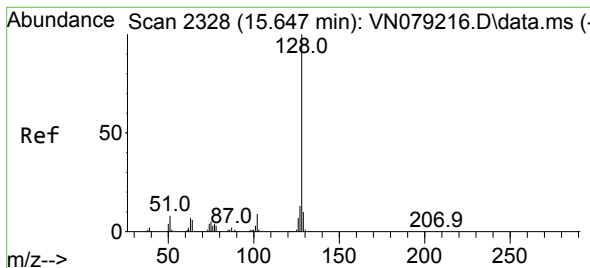
Ion Ratio Lower Upper

225 100

223 61.4 31.3 93.8

227 63.1 31.9 95.9





#95

Naphthalene

Concen: 39.324 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Instrument :

MSVOA\_N

ClientSampleId :

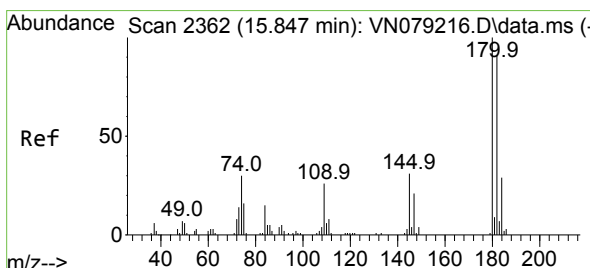
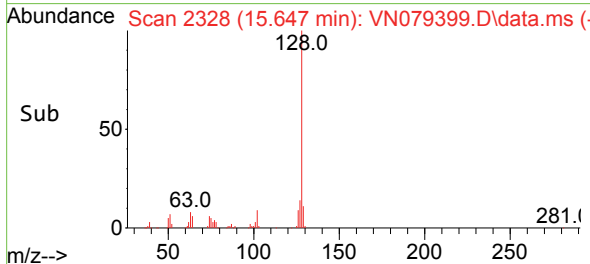
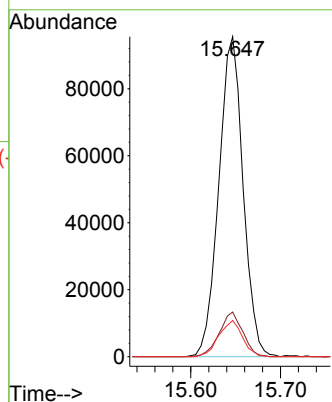
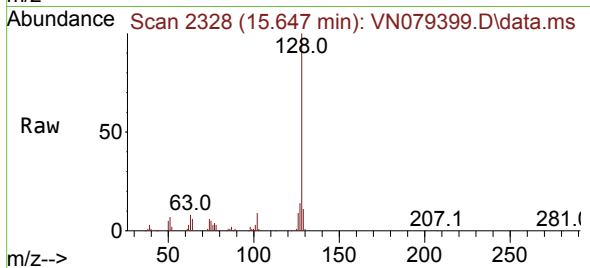
Tgt Ion:128 Resp: 179203

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 40.319 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.006 min

Lab File: VN079399.D

Acq: 04 Oct 2023 13:04

Tgt Ion:180 Resp: 72974

Ion Ratio Lower Upper

180 100

182 94.9 46.2 138.6

145 33.2 17.5 52.6

