

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091523\  
 Data File : VN079269.D  
 Acq On : 15 Sep 2023 14:06  
 Operator : JC\MD  
 Sample : VN0915WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 16 01:40:09 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      | 8.230  | 168  | 179207   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 313986   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.870 | 117  | 274798   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 108863   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 143114   | 59.159   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 118.320%  |      |
| 35) Dibromofluoromethane    | 8.171  | 113   | 111716   | 53.489   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 106.980%  |      |
| 50) Toluene-d8              | 10.571 | 98    | 418102   | 54.519   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 109.040%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 151479   | 61.923   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 123.840%# |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.130 | 85  | 33597  | 18.947  | ug/l   | 96  |
| 3) Chloromethane             | 2.365 | 50  | 43619  | 18.739  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.518 | 62  | 48168  | 18.992  | ug/l   | 96  |
| 5) Bromomethane              | 2.953 | 94  | 28744  | 19.717  | ug/l   | 87  |
| 6) Chloroethane              | 3.124 | 64  | 33198  | 19.877  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.500 | 101 | 62032  | 16.703  | ug/l   | 89  |
| 8) Diethyl Ether             | 3.965 | 74  | 23541  | 18.262  | ug/l   | 62  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 35663  | 18.056  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.589 | 142 | 33761  | 20.896  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.530 | 59  | 37795  | 84.624  | ug/l # | 93  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 32864  | 17.194  | ug/l   | 90  |
| 13) Acrolein                 | 4.189 | 56  | 50515  | 118.572 | ug/l   | 98  |
| 14) Allyl chloride           | 5.024 | 41  | 58390  | 19.151  | ug/l # | 90  |
| 15) Acrylonitrile            | 5.724 | 53  | 103126 | 89.049  | ug/l   | 99  |
| 16) Acetone                  | 4.430 | 43  | 98702  | 96.068  | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.712 | 76  | 86915  | 14.550  | ug/l   | 99  |
| 18) Methyl Acetate           | 5.024 | 43  | 80320  | 19.022  | ug/l # | 62  |
| 19) Methyl tert-butyl Ether  | 5.806 | 73  | 122951 | 18.757  | ug/l # | 91  |
| 20) Methylene Chloride       | 5.283 | 84  | 42801  | 17.119  | ug/l # | 79  |
| 21) trans-1,2-Dichloroethene | 5.794 | 96  | 37260  | 16.805  | ug/l   | 86  |
| 22) Diisopropyl ether        | 6.677 | 45  | 135448 | 20.247  | ug/l # | 91  |
| 23) Vinyl Acetate            | 6.606 | 43  | 390045 | 94.790  | ug/l # | 87  |
| 24) 1,1-Dichloroethane       | 6.577 | 63  | 76259  | 18.491  | ug/l   | 97  |
| 25) 2-Butanone               | 7.494 | 43  | 139130 | 93.332  | ug/l # | 79  |
| 26) 2,2-Dichloropropane      | 7.494 | 77  | 64750  | 19.133  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.488 | 96  | 43835  | 17.290  | ug/l   | 84  |
| 28) Bromochloromethane       | 7.818 | 49  | 34138  | 18.308  | ug/l # | 80  |
| 29) Tetrahydrofuran          | 7.841 | 42  | 90261  | 95.147  | ug/l # | 75  |
| 30) Chloroform               | 7.971 | 83  | 78616  | 18.309  | ug/l   | 93  |
| 31) Cyclohexane              | 8.259 | 56  | 62631  | 17.731  | ug/l   | 85  |
| 32) 1,1,1-Trichloroethane    | 8.177 | 97  | 67147  | 18.346  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 8.377 | 75  | 57350  | 17.815  | ug/l   | 92  |
| 37) Ethyl Acetate            | 7.565 | 43  | 55787  | 17.374  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 8.365 | 117 | 55568  | 16.680  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.606 | 83  | 55129  | 17.361  | ug/l # | 85  |
| 40) Benzene                  | 8.612 | 78  | 167320 | 16.978  | ug/l   | 98  |

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 Acq On : 15 Sep 2023 14:06  
 Operator : JC\MD  
 Sample : VN0915WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Sep 16 01:40:09 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         | 7.788  | 41   | 29959    | 18.505  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 61381    | 18.092  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 95338    | 18.197  | ug/l # | 91       |
| 44) Trichloroethene           | 9.359  | 130  | 40927    | 16.858  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 45933    | 18.780  | ug/l   | 96       |
| 46) Dibromomethane            | 9.718  | 93   | 30334    | 18.270  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.894  | 83   | 59803    | 17.585  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.682  | 41   | 41603    | 17.728  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 15855    | 328.469 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 287170   | 94.421  | ug/l   | 90       |
| 52) Toluene                   | 10.635 | 92   | 105742   | 17.459  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 63198    | 17.624  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 68495    | 17.859  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 42559    | 17.909  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 60027    | 17.894  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 74698    | 18.183  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 137728   | 104.396 | ug/l   | 89       |
| 59) 2-Hexanone                | 11.200 | 43   | 204689   | 92.920  | ug/l   | 86       |
| 60) Dibromochloromethane      | 11.365 | 129  | 42451    | 16.784  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 40744    | 17.180  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 32763    | 16.351  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 108830   | 17.482  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 39463    | 16.905  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.965 | 91   | 191933   | 18.025  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.076 | 106  | 143482   | 36.151  | ug/l   | 96       |
| 69) o-Xylene                  | 12.400 | 106  | 78449    | 20.609  | ug/l   | 95       |
| 70) Styrene                   | 12.417 | 104  | 124167   | 20.282  | ug/l   | 96       |
| 71) Bromoform                 | 12.582 | 173  | 31402    | 18.222  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.700 | 105  | 197193   | 19.909  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 76476    | 20.352  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 65855    | 17.855  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 81505    | 27.779  | ug/l   | 68       |
| 77) Bromobenzene              | 12.988 | 156  | 44333    | 17.677  | ug/l   | 92       |
| 78) n-propylbenzene           | 13.041 | 91   | 237056   | 21.306  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 143823   | 19.764  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 168082   | 20.366  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 18209    | 17.062  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 132918   | 19.438  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 125203   | 18.338  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 147320   | 18.744  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 168284   | 17.904  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 135539   | 18.050  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 67334    | 16.369  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.817 | 146  | 65860    | 15.845  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 110072   | 18.640  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 25515    | 16.732  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 14.111 | 146  | 69753    | 17.177  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 8836     | 15.760  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 20910    | 14.329  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 16311    | 14.209  | ug/l   | 97       |
| 95) Naphthalene               | 15.647 | 128  | 54964    | 12.682  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 24514    | 14.241  | ug/l   | 97       |

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Operator : JC\MD  
Sample : VN0915WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

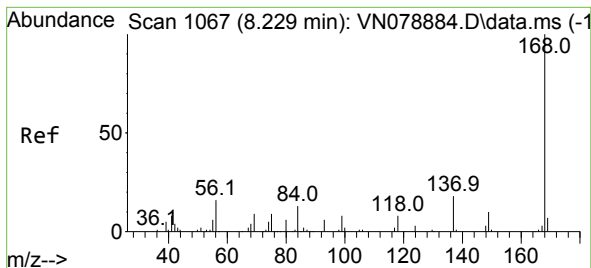
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Sep 16 01:40:09 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

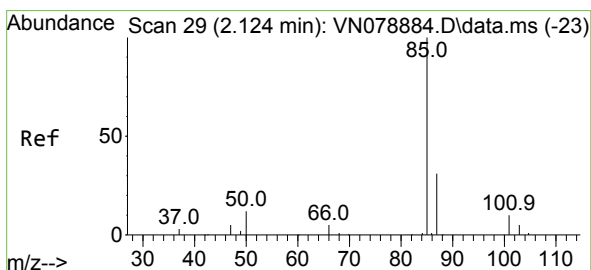
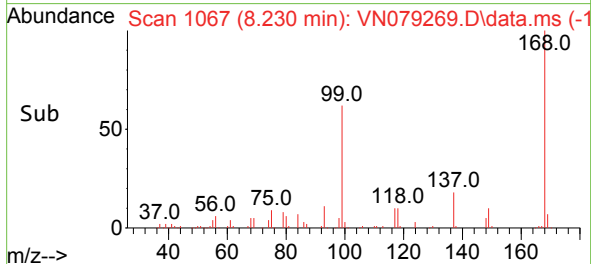
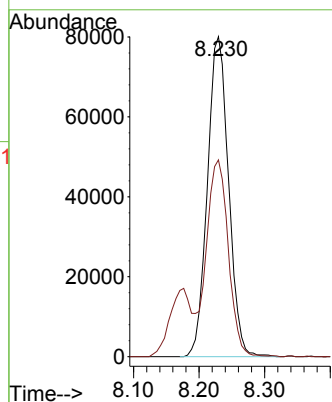
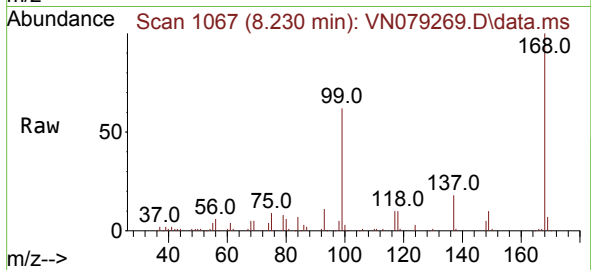
ClientSampleId :

Tgt Ion:168 Resp: 179207

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 18.947 ug/l

RT: 2.130 min Scan# 30

Delta R.T. -0.006 min

Lab File: VN079269.D

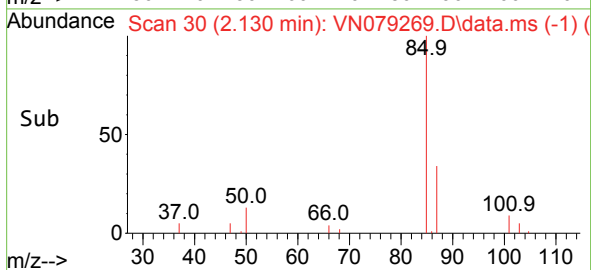
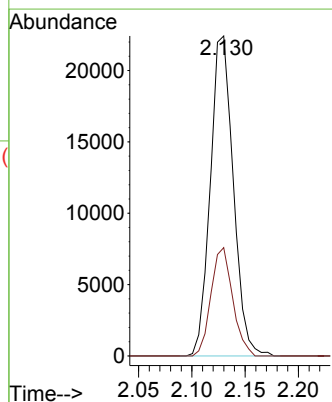
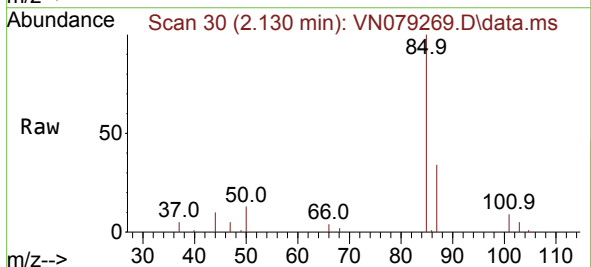
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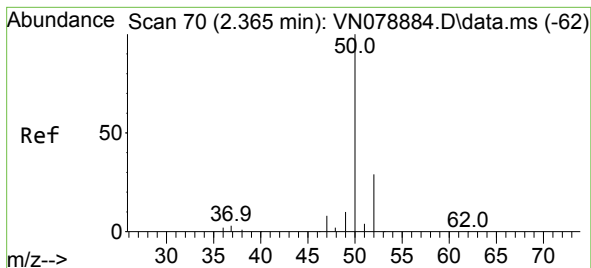
Tgt Ion: 85 Resp: 33597

Ion Ratio Lower Upper

85 100

87 33.8 15.8 47.4





#3

Chloromethane

Concen: 18.739 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

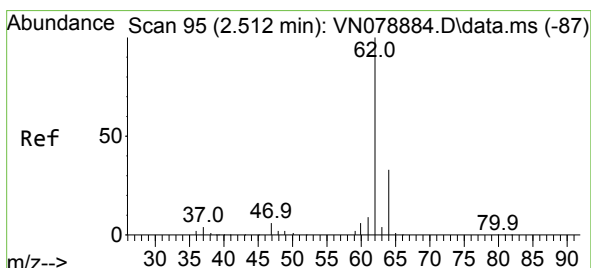
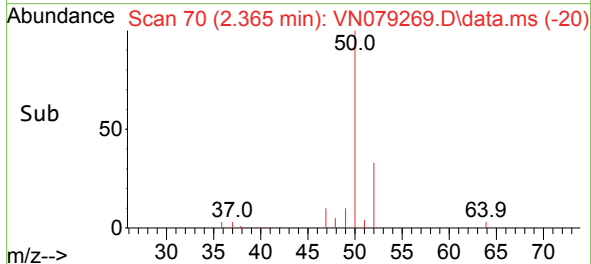
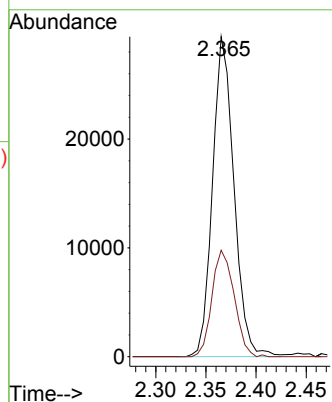
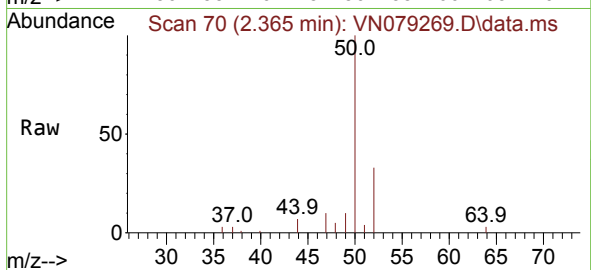
ClientSampleId :

Tgt Ion: 50 Resp: 43619

Ion Ratio Lower Upper

50 100

52 33.2 26.5 39.7



#4

Vinyl Chloride

Concen: 18.992 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079269.D

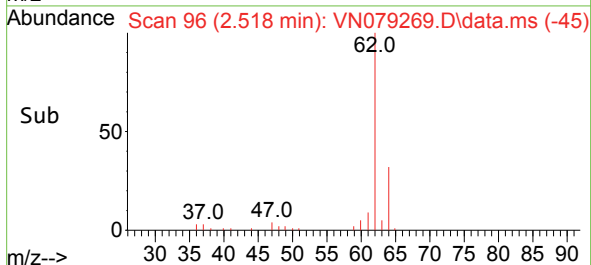
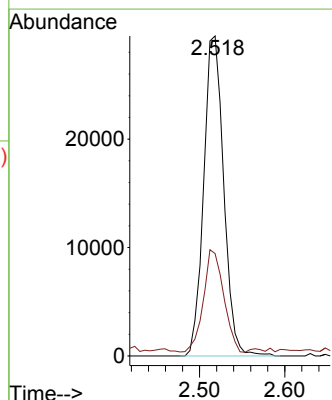
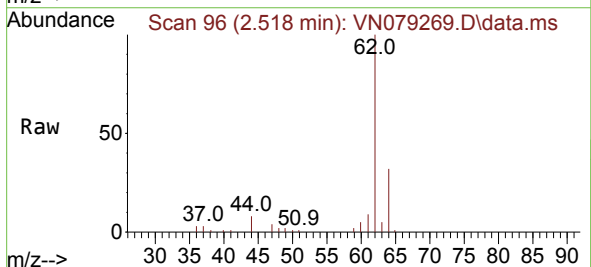
Acq: 15 Sep 2023 14:06

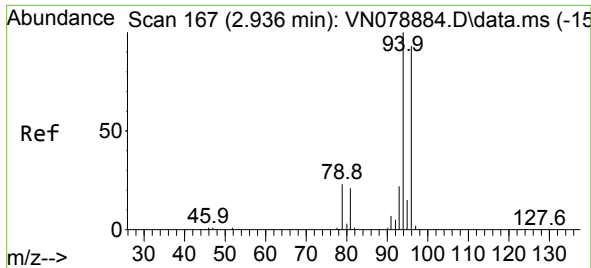
Tgt Ion: 62 Resp: 48168

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2

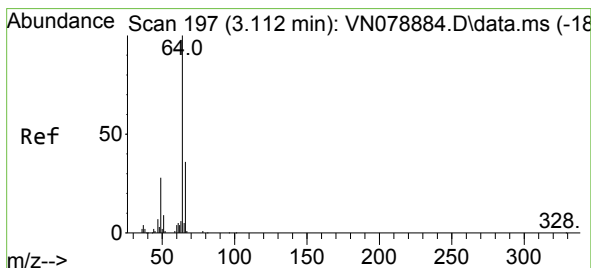
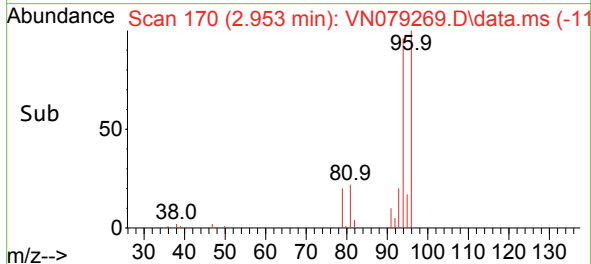
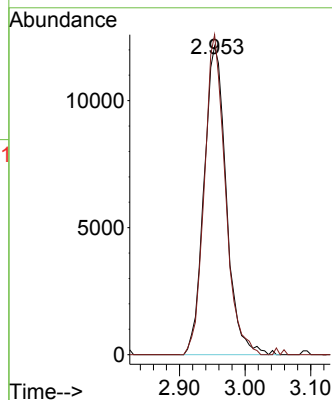
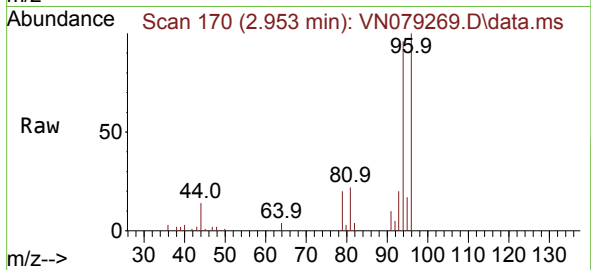




#5  
Bromomethane  
Concen: 19.717 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

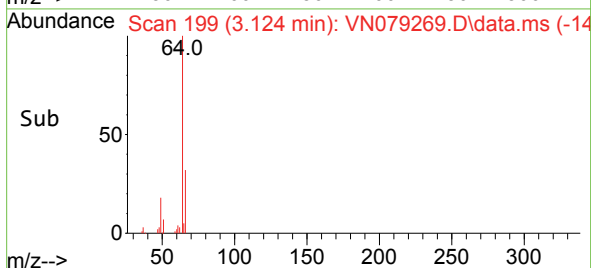
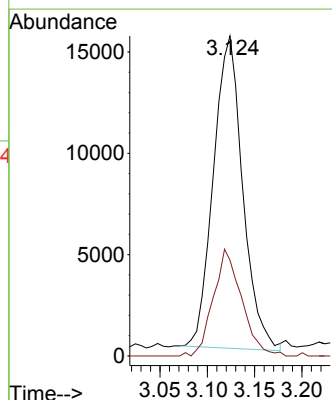
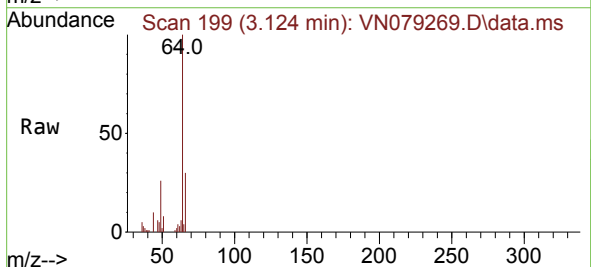
Instrument :  
MSVOA\_N  
ClientSampleId :

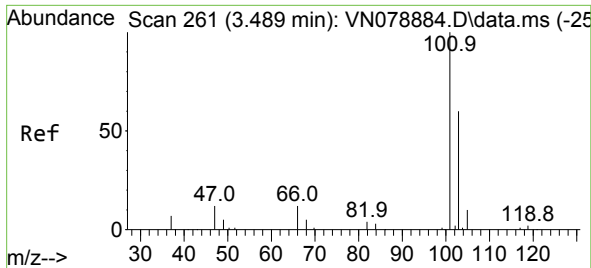
Tgt Ion: 94 Resp: 28744  
Ion Ratio Lower Upper  
94 100  
96 103.7 73.1 109.7



#6  
Chloroethane  
Concen: 19.877 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 64 Resp: 33198  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.4 38.2

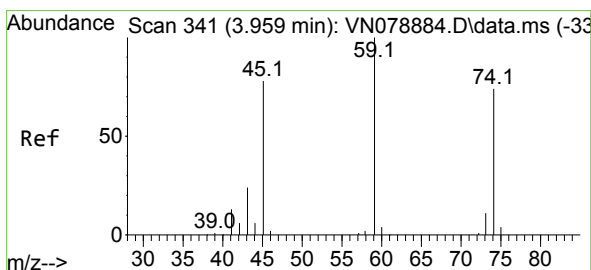
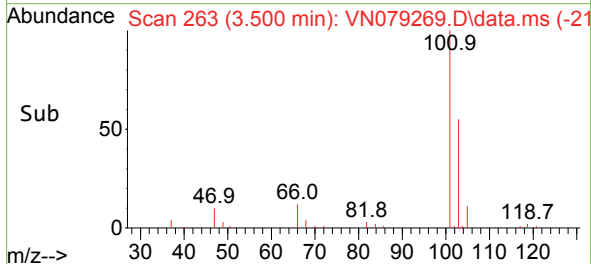
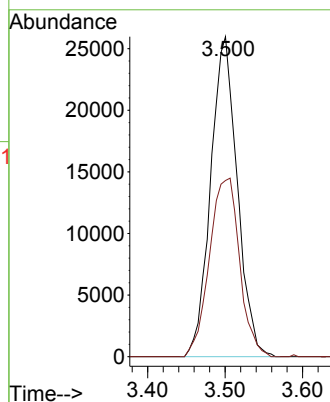
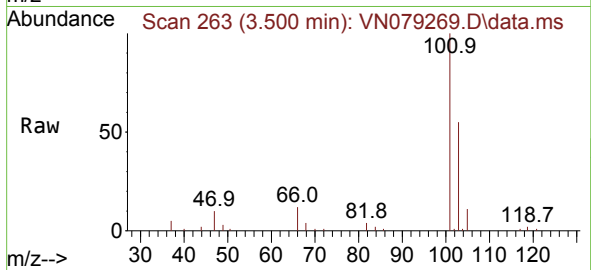




#7  
 Trichlorofluoromethane  
 Concen: 16.703 ug/l  
 RT: 3.500 min Scan# 2  
 Delta R.T. -0.001 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

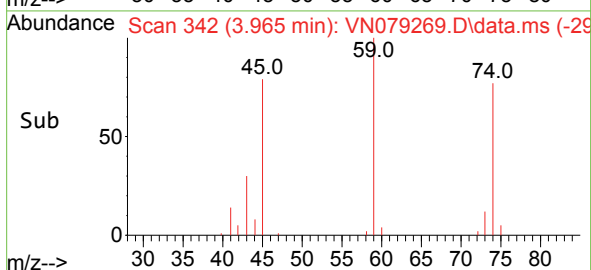
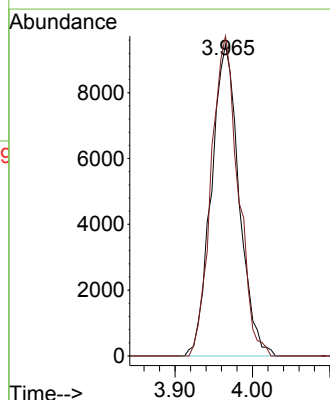
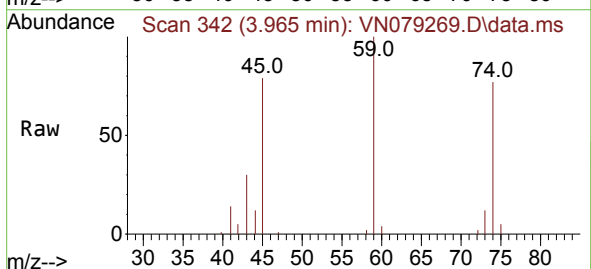
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion:101 Resp: 62032  
 Ion Ratio Lower Upper  
 101 100  
 103 55.0 50.7 76.1

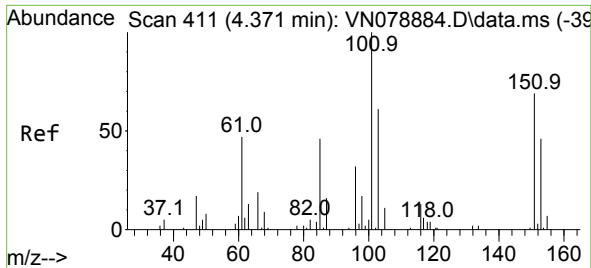


#8  
 Diethyl Ether  
 Concen: 18.262 ug/l  
 RT: 3.965 min Scan# 342  
 Delta R.T. -0.006 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

Tgt Ion: 74 Resp: 23541  
 Ion Ratio Lower Upper  
 74 100  
 45 100.2 34.4 103.3



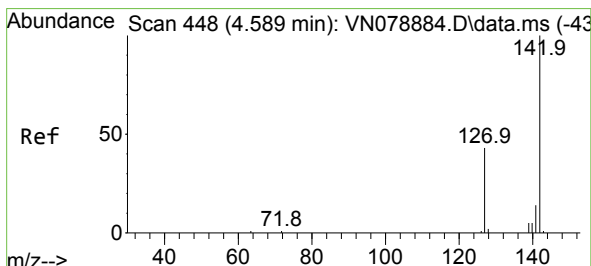
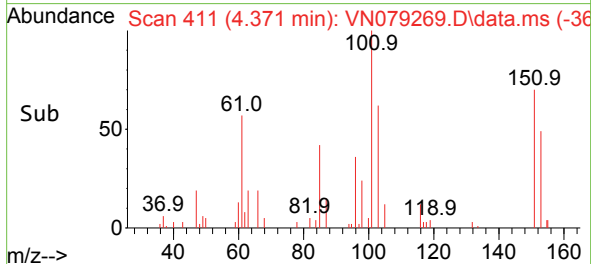
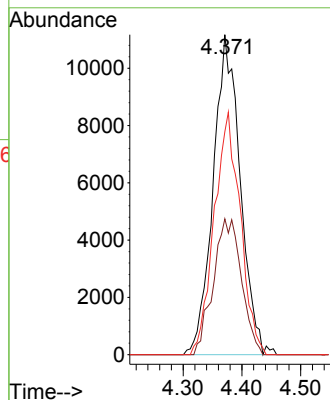
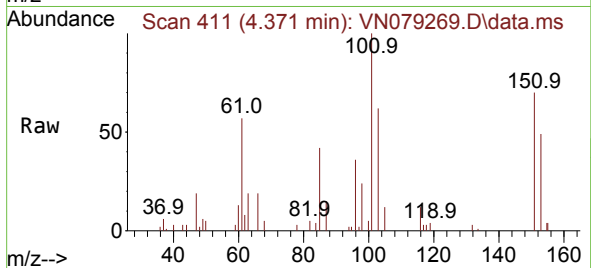




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.056 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

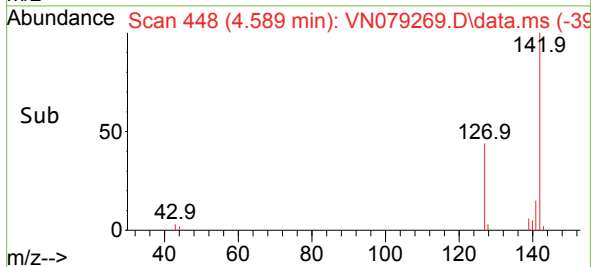
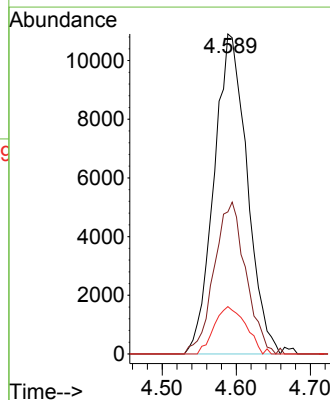
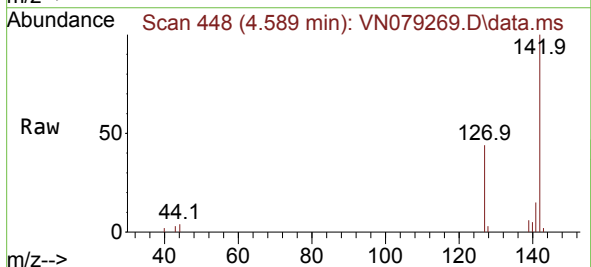
Instrument :  
MSVOA\_N  
ClientSampleId :

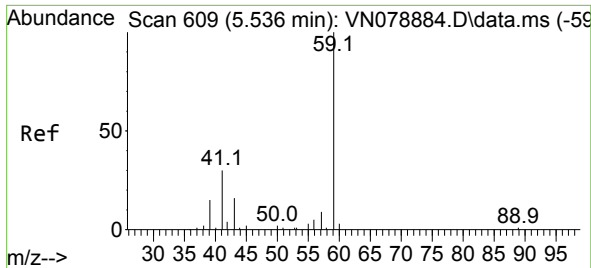
Tgt Ion:101 Resp: 35663  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.6 55.0  
151 73.4 57.6 86.4



#10  
Methyl Iodide  
Concen: 20.896 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.011 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

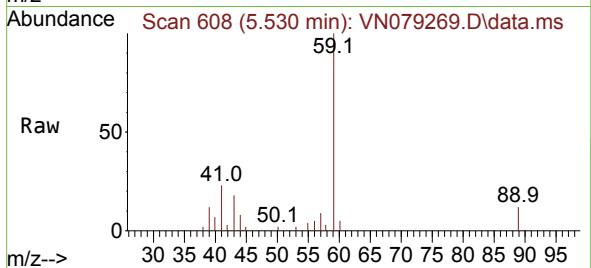
Tgt Ion:142 Resp: 33761  
Ion Ratio Lower Upper  
142 100  
127 44.4 37.6 56.4  
141 14.8 11.4 17.0



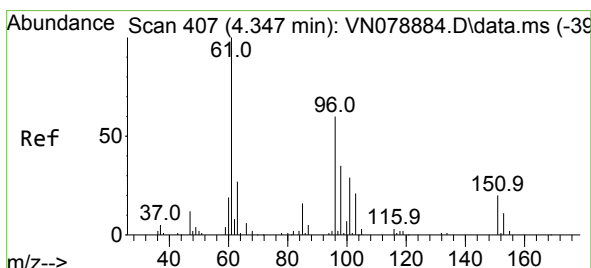
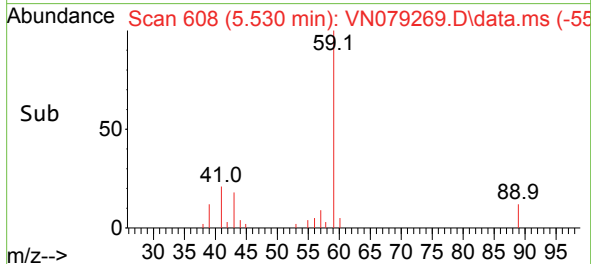
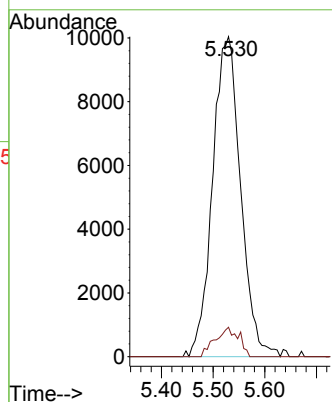


#11  
Tert butyl alcohol  
Concen: 84.624 ug/l  
RT: 5.530 min Scan# 609  
Delta R.T. -0.012 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

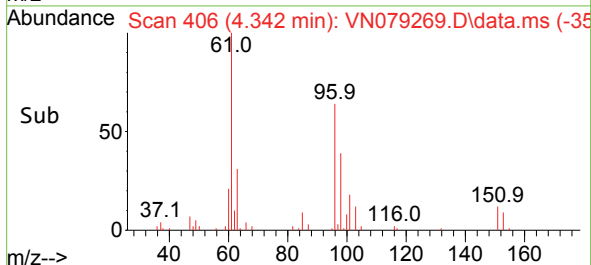
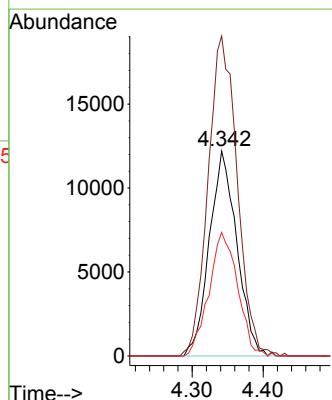
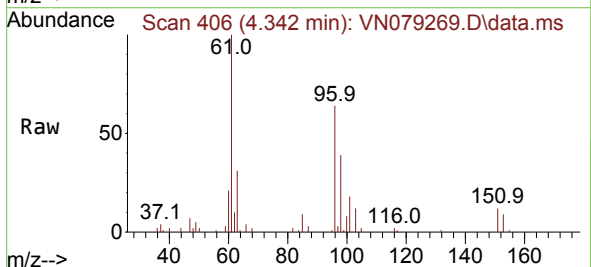


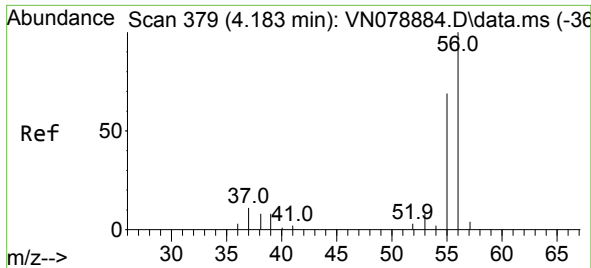
Tgt Ion: 59 Resp: 37795  
Ion Ratio Lower Upper  
59 100  
57 7.7 8.2 12.4#



#12  
1,1-Dichloroethene  
Concen: 17.194 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 96 Resp: 32864  
Ion Ratio Lower Upper  
96 100  
61 156.1 112.7 169.1  
98 60.3 51.2 76.8





#13

Acrolein

Concen: 118.572 ug/l

RT: 4.189 min Scan# 379

Delta R.T. -0.006 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

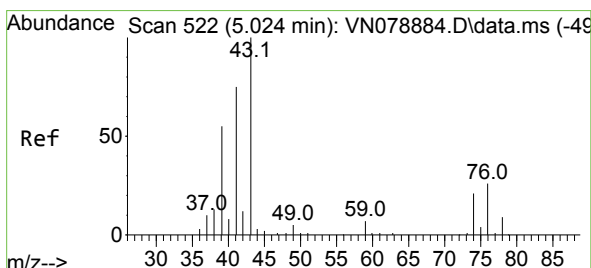
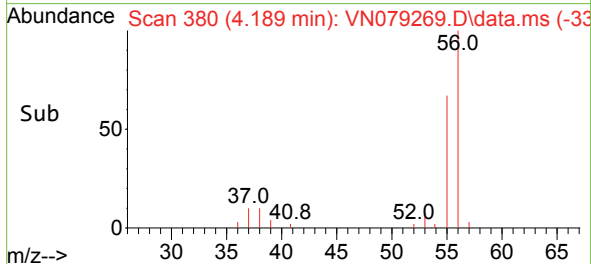
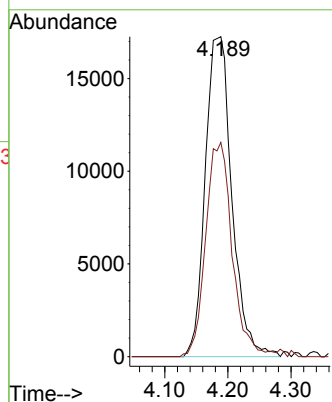
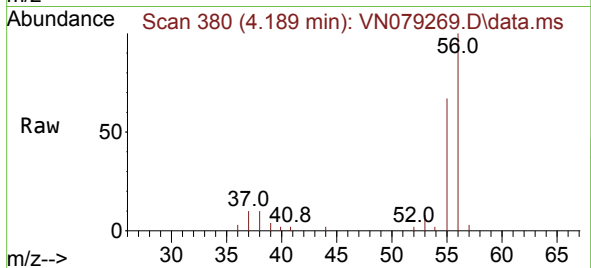
ClientSampleId :

Tgt Ion: 56 Resp: 50515

Ion Ratio Lower Upper

56 100

55 66.5 54.5 81.7



#14

Allyl chloride

Concen: 19.151 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.006 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

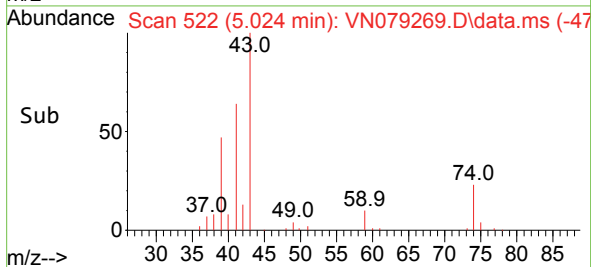
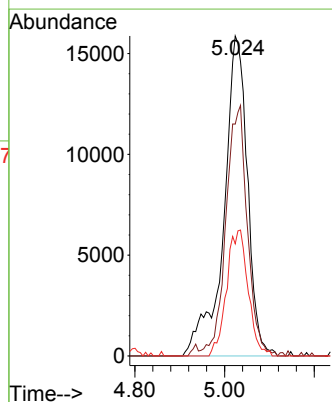
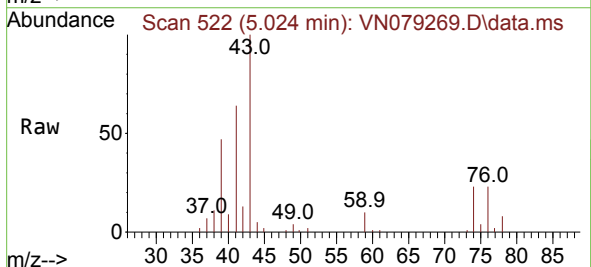
Tgt Ion: 41 Resp: 58390

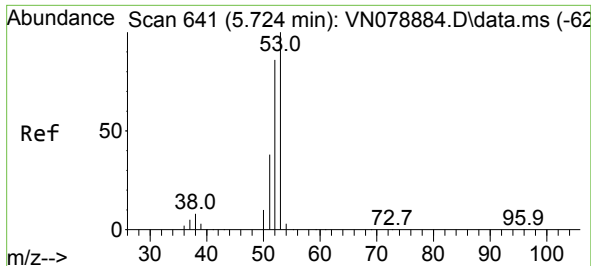
Ion Ratio Lower Upper

41 100

39 70.5 58.8 88.2

76 35.7 39.1 58.7#





#15

Acrylonitrile

Concen: 89.049 ug/l

RT: 5.724 min Scan# 641

Delta R.T. -0.006 min

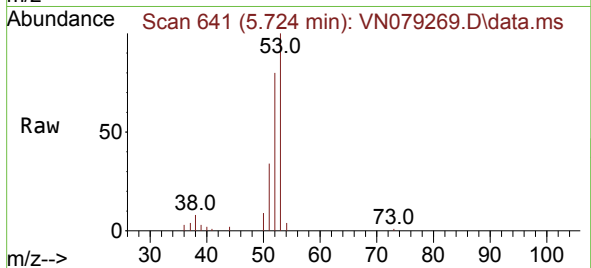
Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

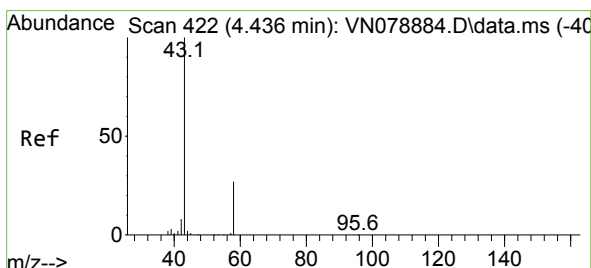
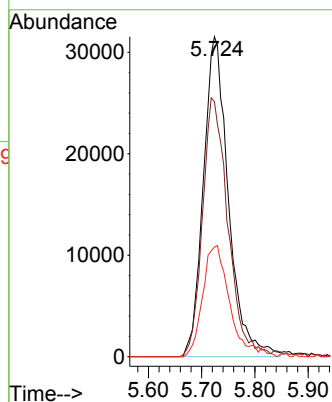
Instrument :

MSVOA\_N

ClientSampleId :



|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 103126 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 81.7     | 65.3 97.9    |
| 51 37.2     | 28.9 43.3    |



#16

Acetone

Concen: 96.068 ug/l

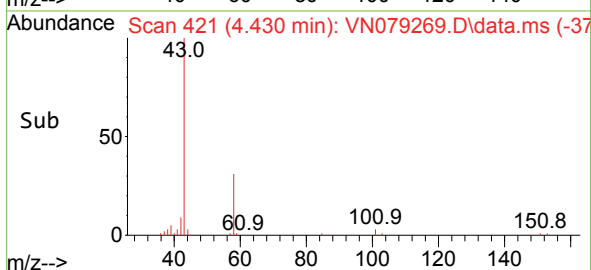
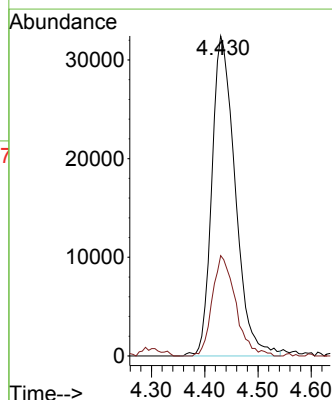
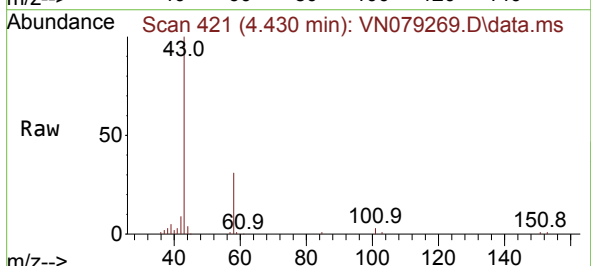
RT: 4.430 min Scan# 421

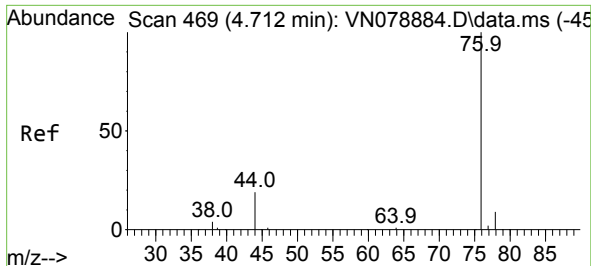
Delta R.T. -0.012 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

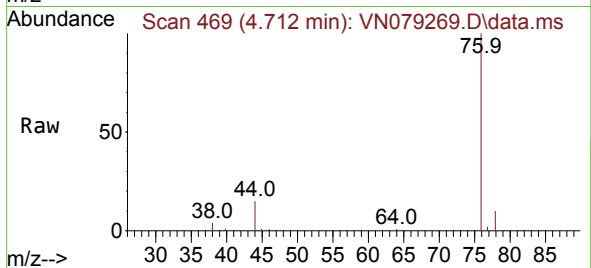
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 98702 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 31.4     | 28.0 42.0   |



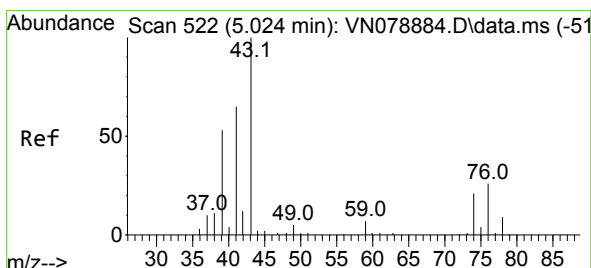
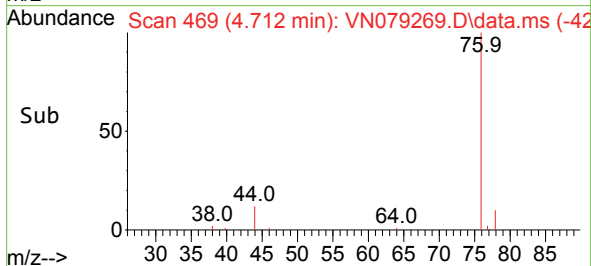
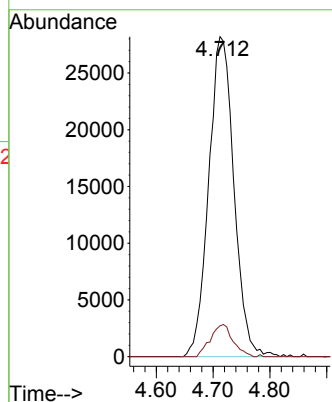


#17  
Carbon Disulfide  
Concen: 14.550 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. -0.012 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

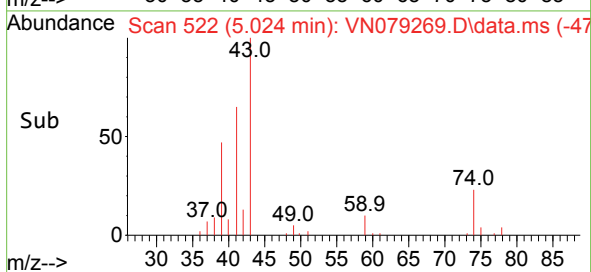
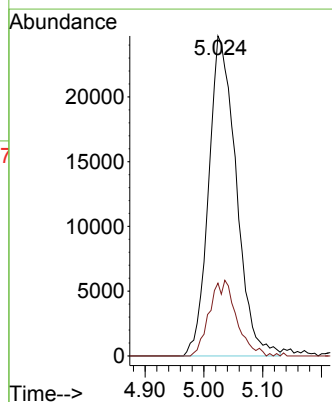
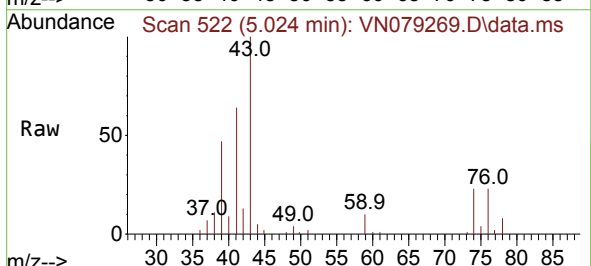


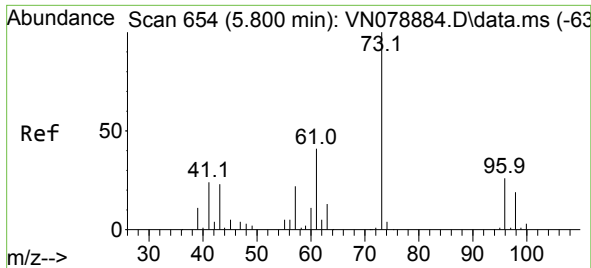
Tgt Ion: 76 Resp: 86915  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.4 11.0



#18  
Methyl Acetate  
Concen: 19.022 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.018 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 43 Resp: 80320  
Ion Ratio Lower Upper  
43 100  
74 11.4 26.2 39.4#

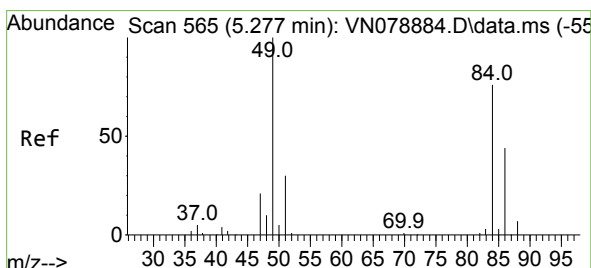
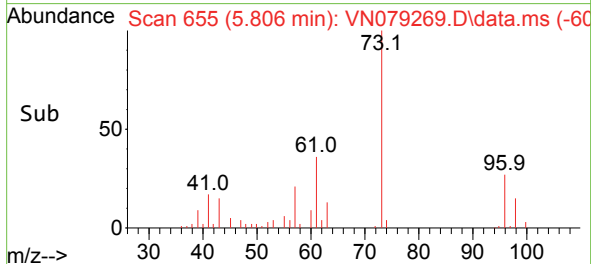
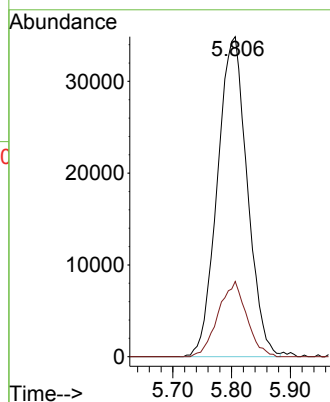
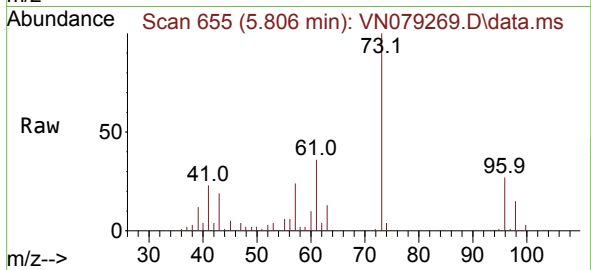




#19  
Methyl tert-butyl Ether  
Concen: 18.757 ug/l  
RT: 5.806 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

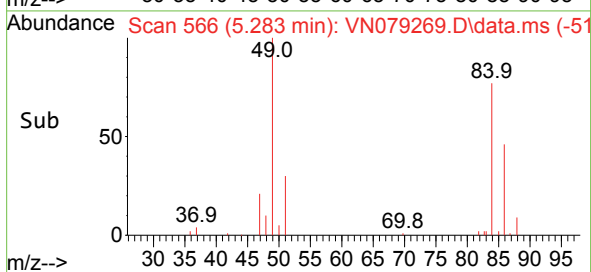
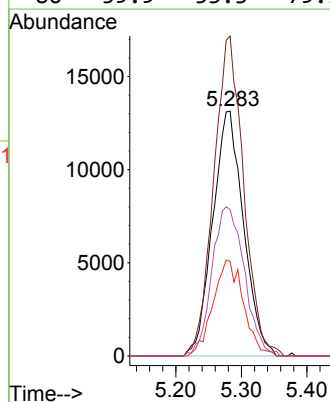
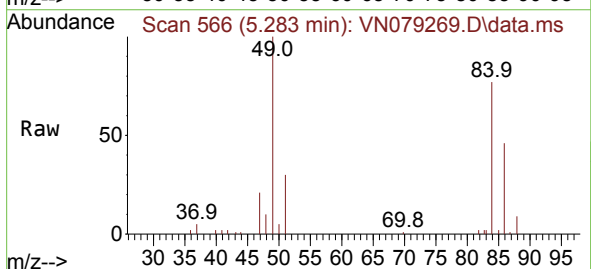
Instrument :  
MSVOA\_N  
ClientSampleId :

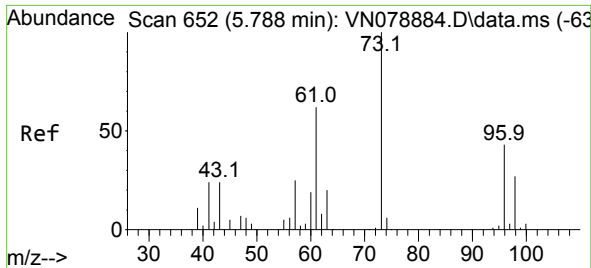
Tgt Ion: 73 Resp: 122951  
Ion Ratio Lower Upper  
73 100  
57 23.5 15.6 23.4#



#20  
Methylene Chloride  
Concen: 17.119 ug/l  
RT: 5.283 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

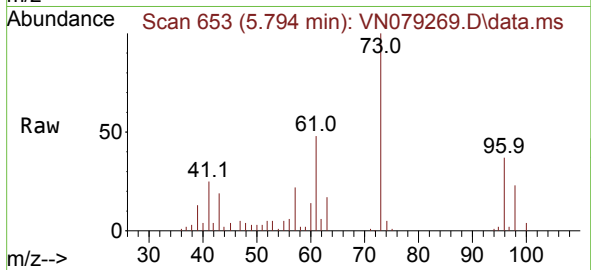
Tgt Ion: 84 Resp: 42801  
Ion Ratio Lower Upper  
84 100  
49 130.7 79.7 119.5#  
51 38.6 25.2 37.8#  
86 59.9 53.3 79.9



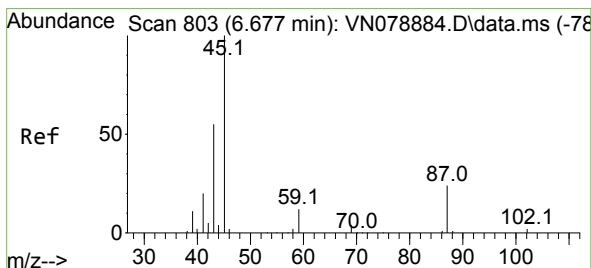
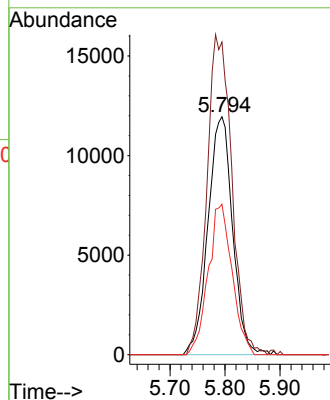
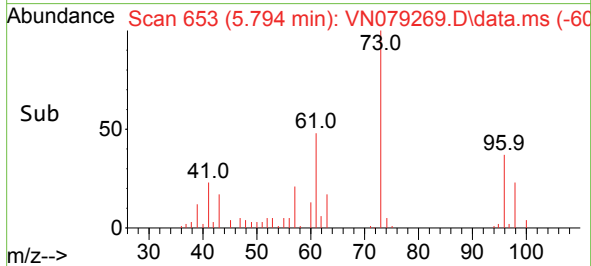


#21  
trans-1,2-Dichloroethene  
Concen: 16.805 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. 0.005 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

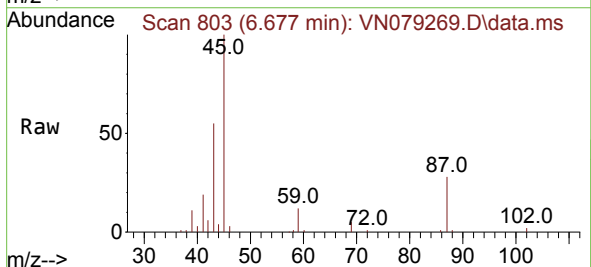
Instrument :  
MSVOA\_N  
ClientSampleId :



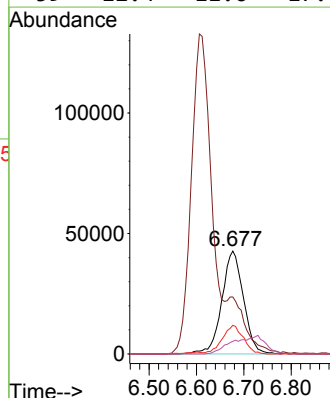
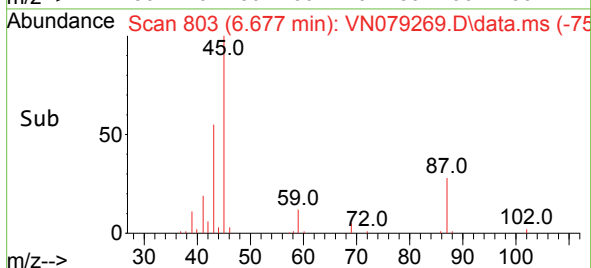
Tgt Ion: 96 Resp: 37260  
Ion Ratio Lower Upper  
96 100  
61 131.4 90.1 135.1  
98 63.2 46.4 69.6

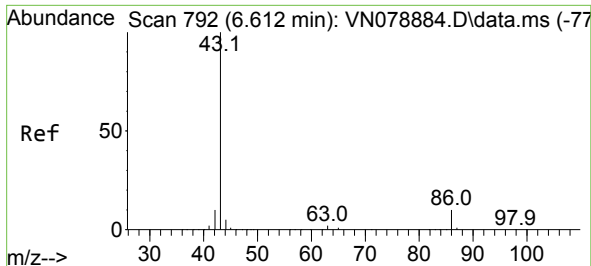


#22  
Diisopropyl ether  
Concen: 20.247 ug/l  
RT: 6.677 min Scan# 803  
Delta R.T. -0.012 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06



Tgt Ion: 45 Resp: 135448  
Ion Ratio Lower Upper  
45 100  
43 54.4 45.5 68.3  
87 27.8 31.8 47.8#  
59 12.4 11.6 17.4

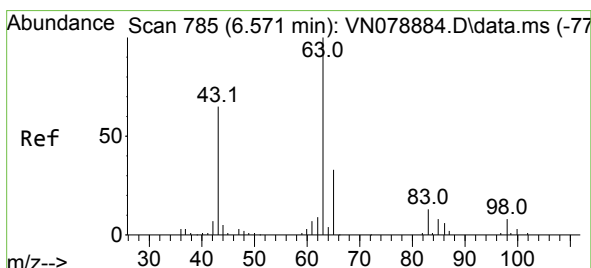
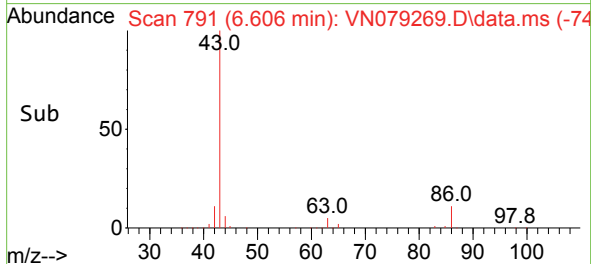
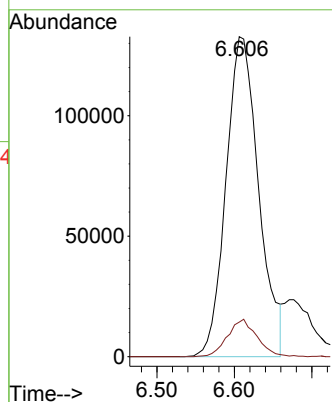
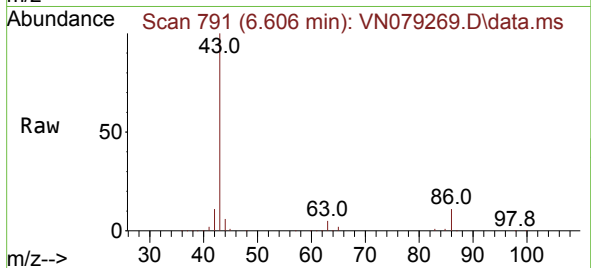




#23  
 Vinyl Acetate  
 Concen: 94.790 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. -0.006 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

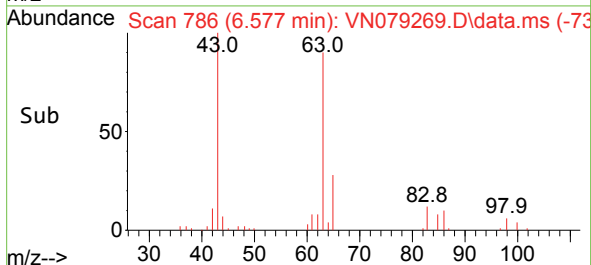
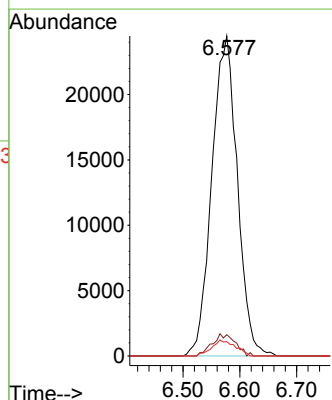
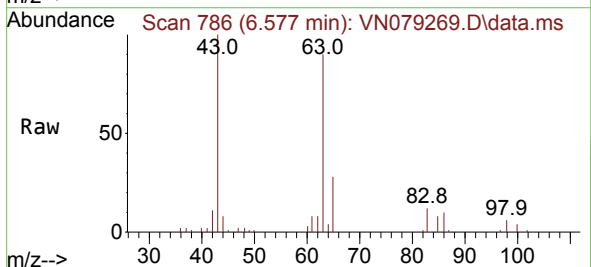
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tgt Ion: 43 Resp: 390045  
 Ion Ratio Lower Upper  
 43 100  
 86 10.8 13.0 19.6#

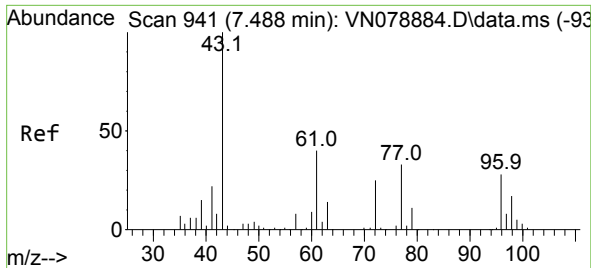


#24  
 1,1-Dichloroethane  
 Concen: 18.491 ug/l  
 RT: 6.577 min Scan# 786  
 Delta R.T. -0.000 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

Tgt Ion: 63 Resp: 76259  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.9 11.7  
 100 4.5 2.5 7.4

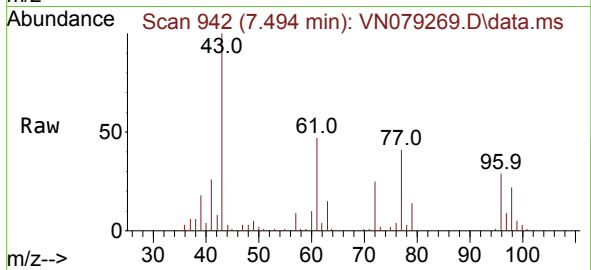




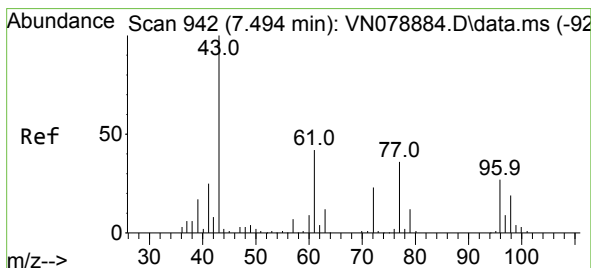
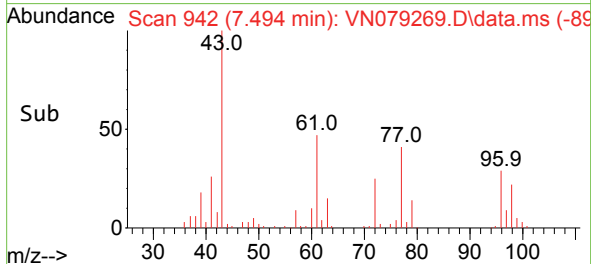
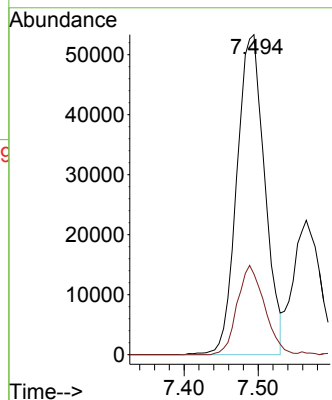


#25  
2-Butanone  
Concen: 93.332 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

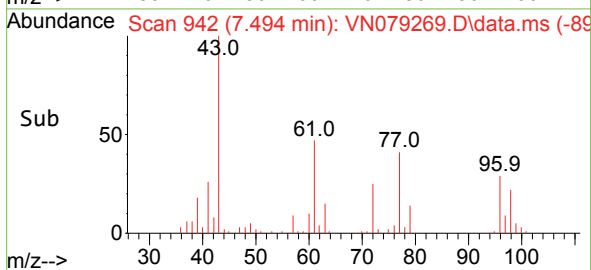
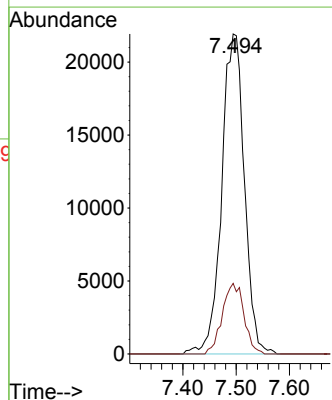
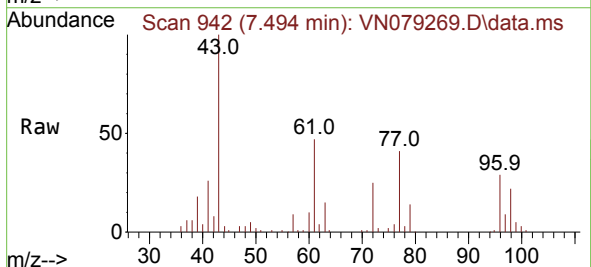


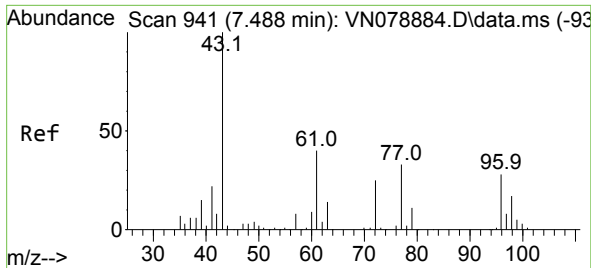
Tgt Ion: 43 Resp: 139130  
Ion Ratio Lower Upper  
43 100  
72 25.2 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 19.133 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

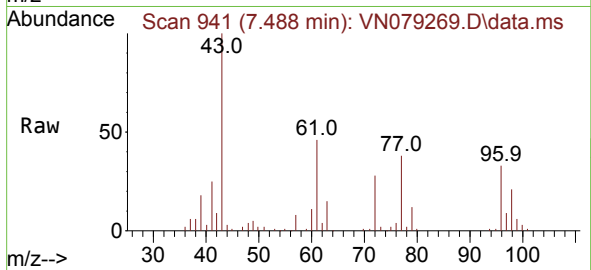
Tgt Ion: 77 Resp: 64750  
Ion Ratio Lower Upper  
77 100  
97 21.1 11.2 33.6



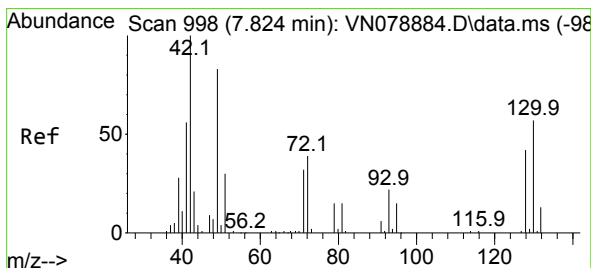
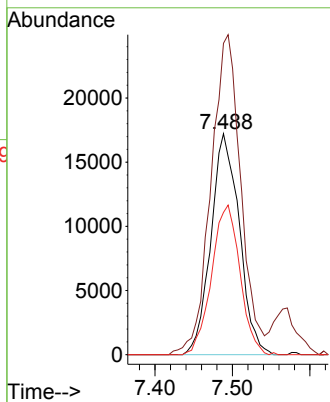
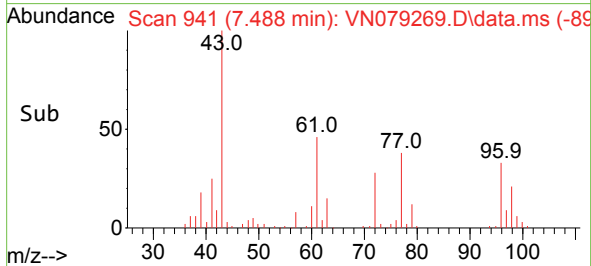


#27  
cis-1,2-Dichloroethene  
Concen: 17.290 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

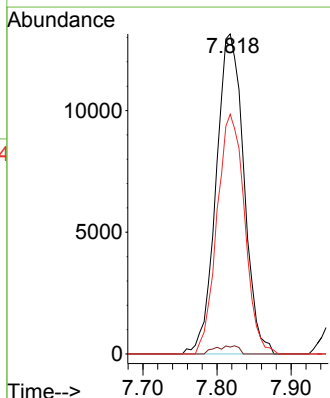
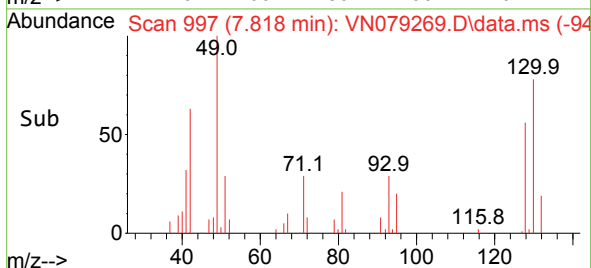
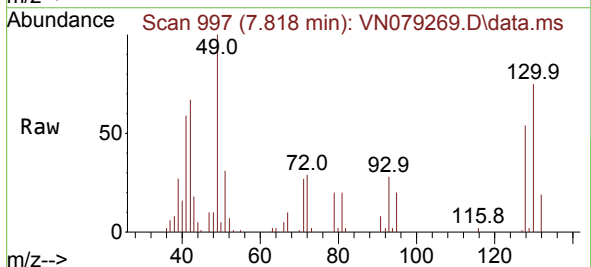


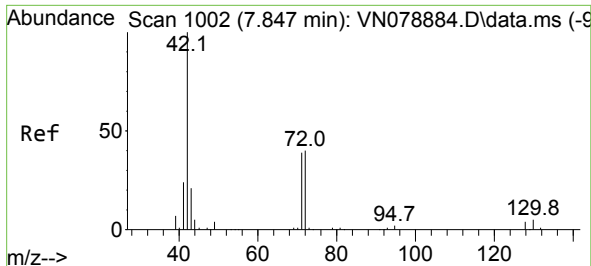
Tgt Ion: 96 Resp: 43835  
Ion Ratio Lower Upper  
96 100  
61 152.1 0.0 255.2  
98 67.8 0.0 128.8



#28  
Bromochloromethane  
Concen: 18.308 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 49 Resp: 34138  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 4.8  
130 74.5 75.3 112.9#





#29

Tetrahydrofuran

Concen: 95.147 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. -0.006 min

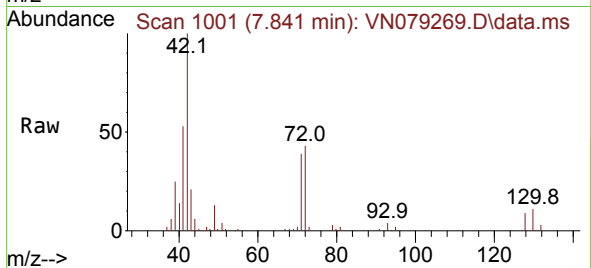
Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :



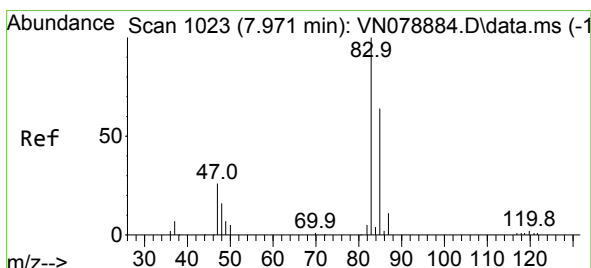
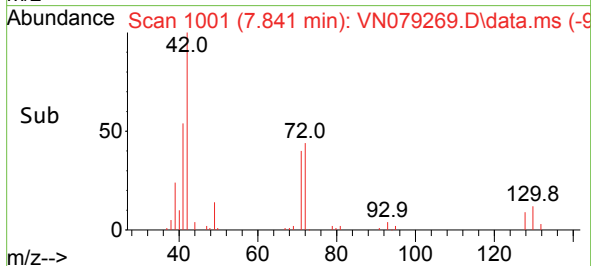
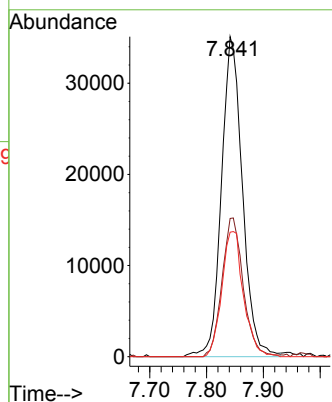
Tgt Ion: 42 Resp: 90261

Ion Ratio Lower Upper

42 100

72 43.8 49.8 74.6#

71 40.3 47.4 71.2#



#30

Chloroform

Concen: 18.309 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN079269.D

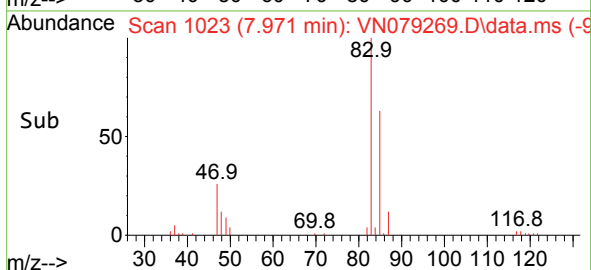
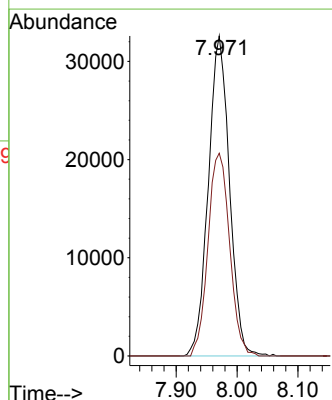
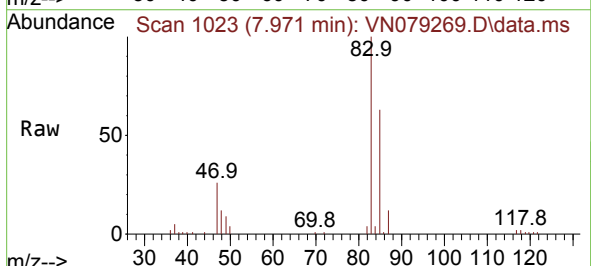
Acq: 15 Sep 2023 14:06

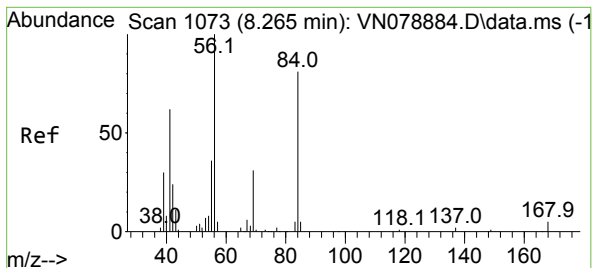
Tgt Ion: 83 Resp: 78616

Ion Ratio Lower Upper

83 100

85 63.4 55.4 83.0





#31

Cyclohexane

Concen: 17.731 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. -0.006 min

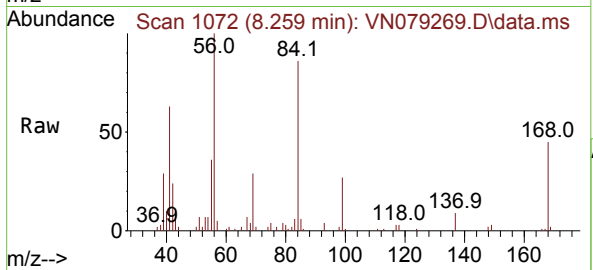
Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :



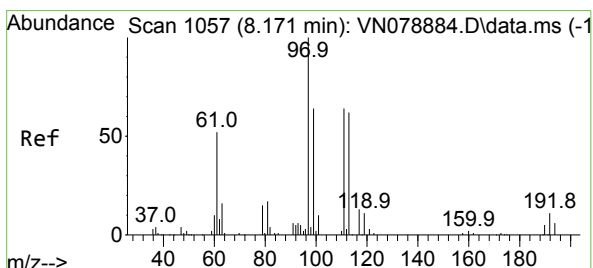
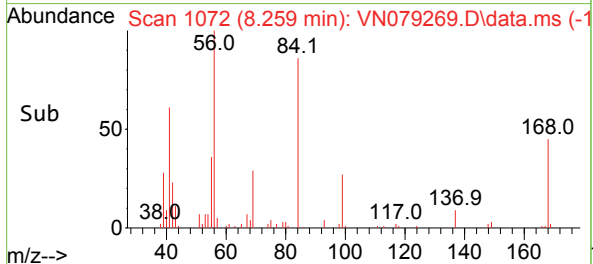
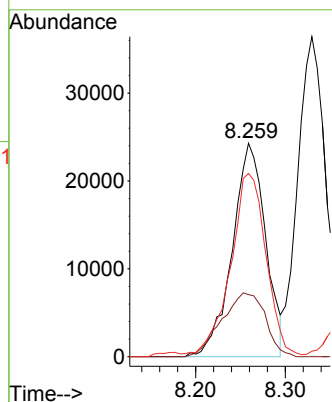
Tgt Ion: 56 Resp: 62631

Ion Ratio Lower Upper

56 100

69 29.1 26.8 40.2

84 84.5 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 18.346 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

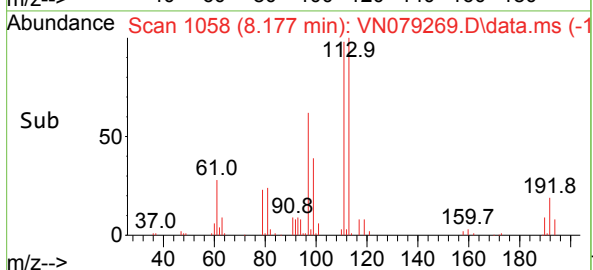
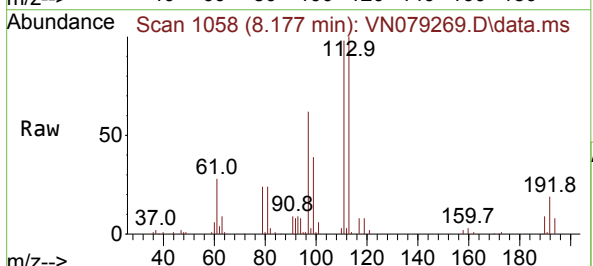
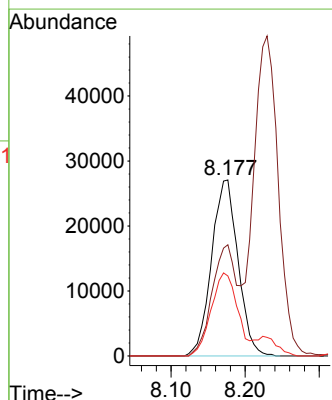
Tgt Ion: 97 Resp: 67147

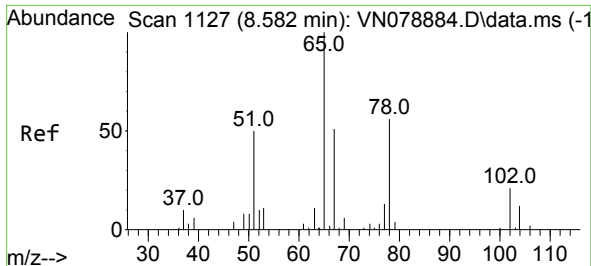
Ion Ratio Lower Upper

97 100

99 60.2 50.3 75.5

61 47.1 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 59.159 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

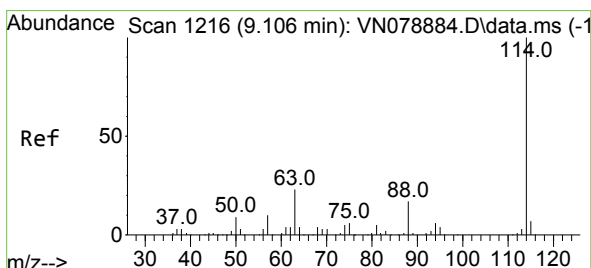
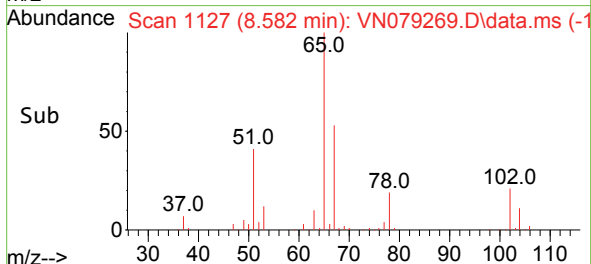
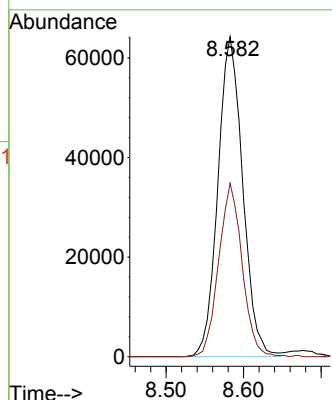
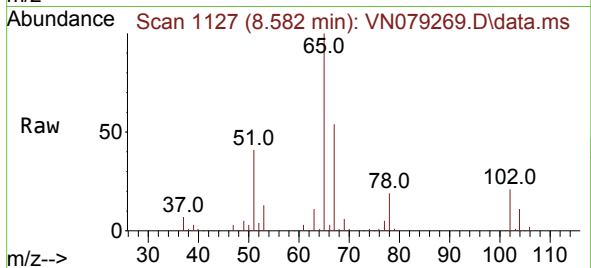
ClientSampleId :

Tgt Ion: 65 Resp: 143114

Ion Ratio Lower Upper

65 100

67 51.2 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: VN079269.D

Acq: 15 Sep 2023 14:06

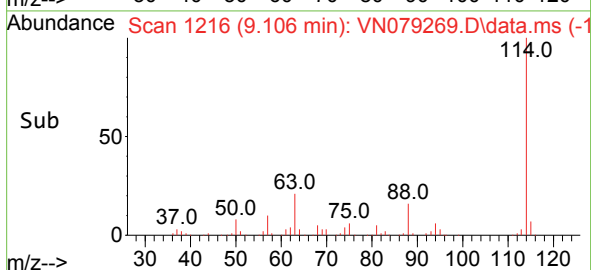
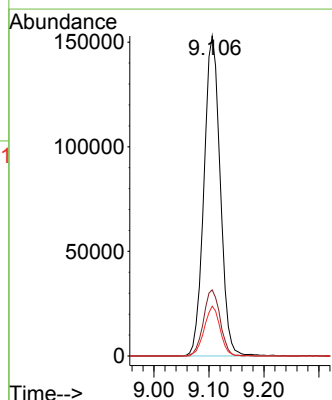
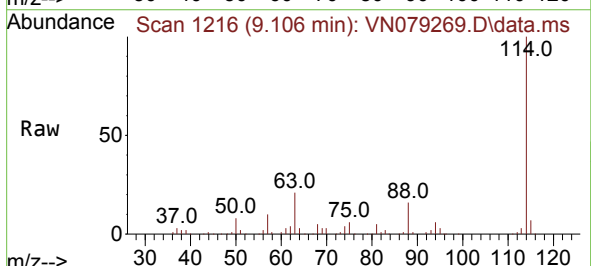
Tgt Ion: 114 Resp: 313986

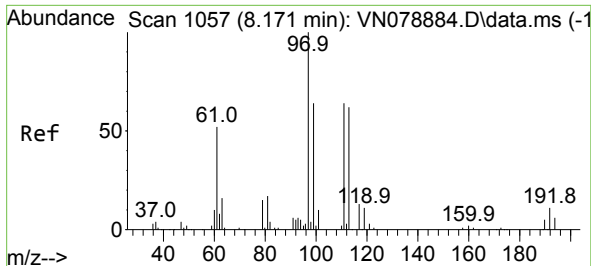
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

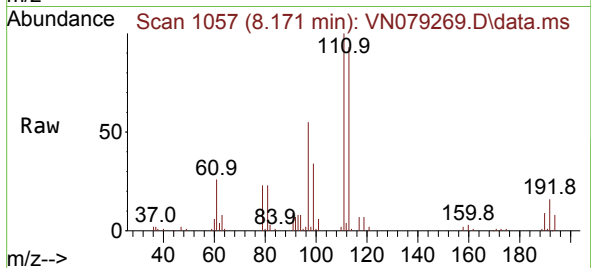
88 15.6 0.0 30.6



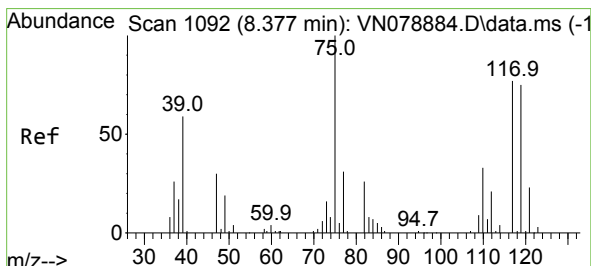
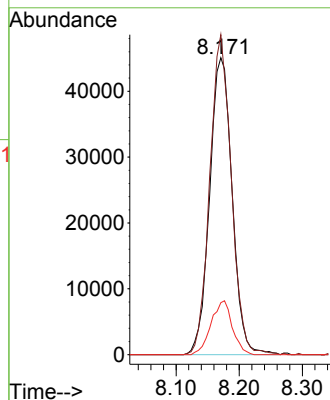
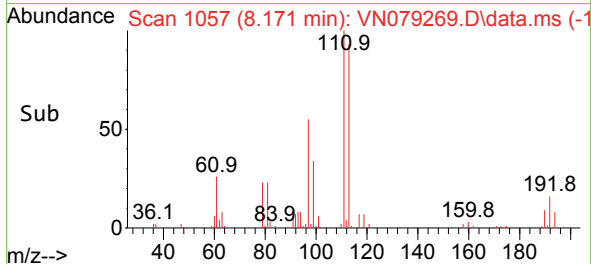


#35  
Dibromofluoromethane  
Concen: 53.489 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

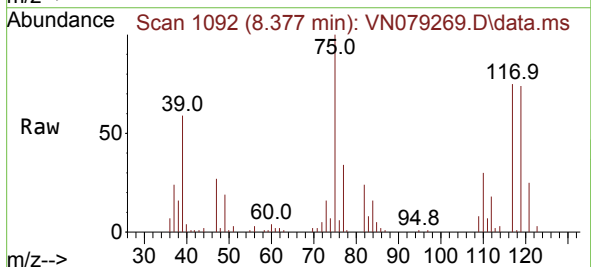
Instrument :  
MSVOA\_N  
ClientSampleId :



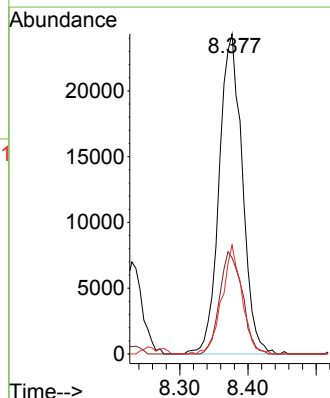
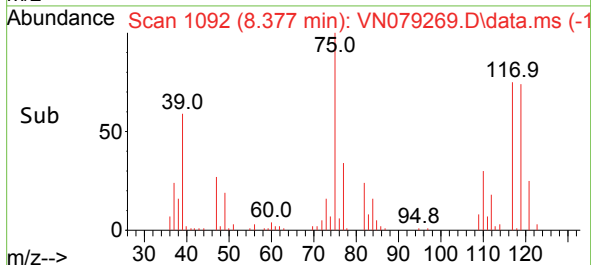
Tgt Ion:113 Resp: 111716  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.6 123.8  
192 17.2 12.7 19.1

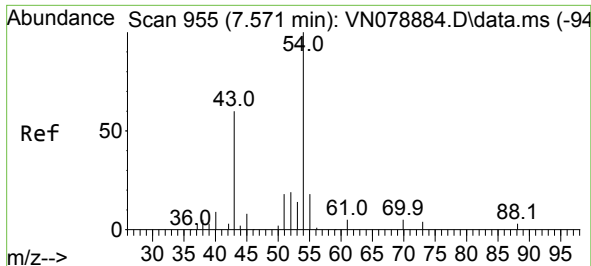


#36  
1,1-Dichloropropene  
Concen: 17.815 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06



Tgt Ion: 75 Resp: 57350  
Ion Ratio Lower Upper  
75 100  
110 31.2 19.1 57.3  
77 29.7 25.0 37.4





#37

Ethyl Acetate

Concen: 17.374 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN079269.D

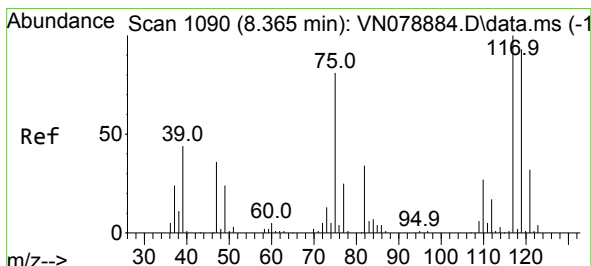
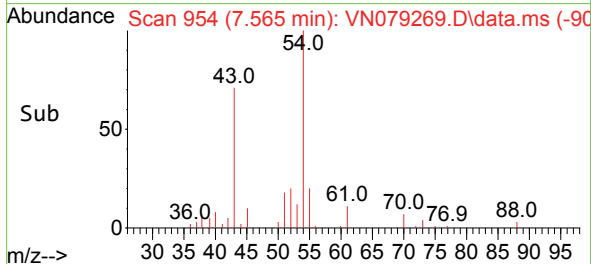
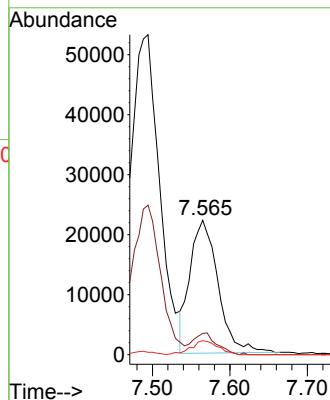
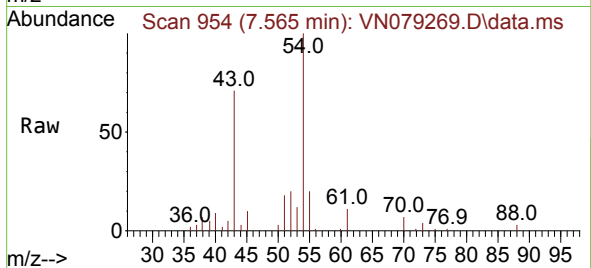
Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 55787     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 61          | 13.7 13.2 19.8  |
| 70          | 10.1 11.3 16.9# |



#38

Carbon Tetrachloride

Concen: 16.680 ug/l

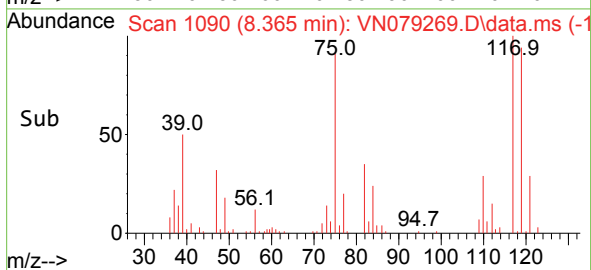
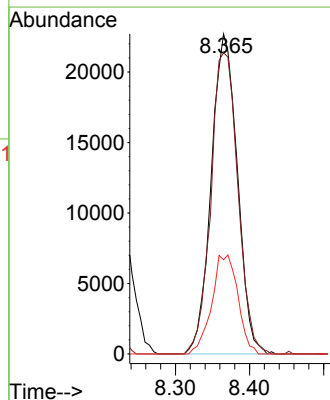
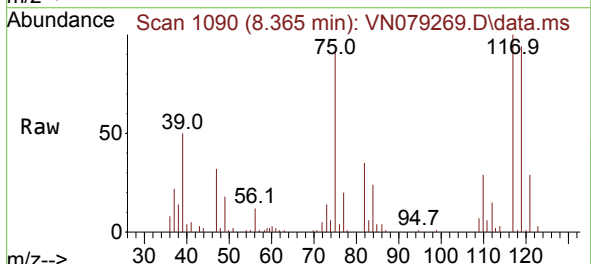
RT: 8.365 min Scan# 1090

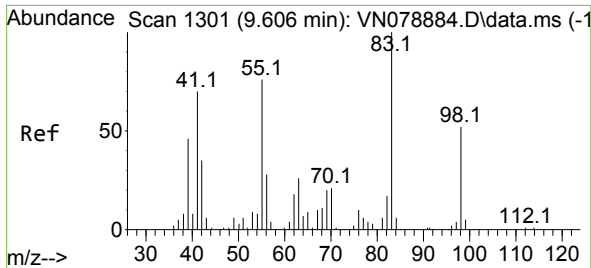
Delta R.T. -0.006 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

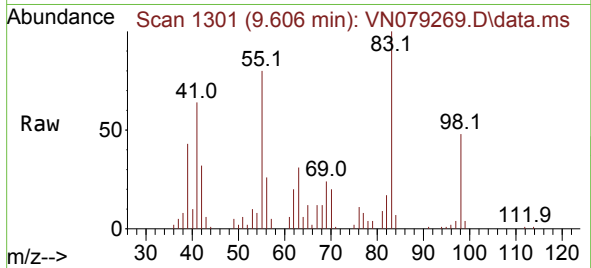
|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 55568     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 94.2 77.3 115.9 |
| 121          | 29.5 23.3 34.9  |



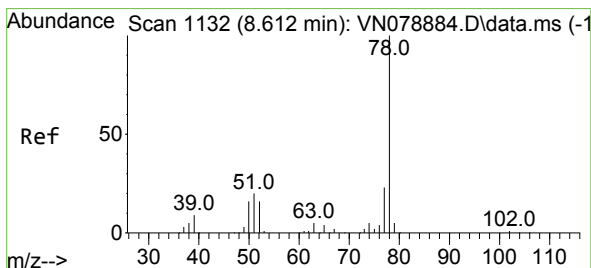
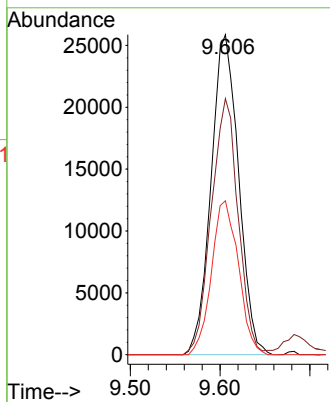
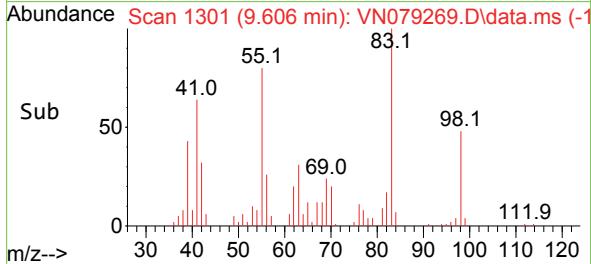


#39  
Methylcyclohexane  
Concen: 17.361 ug/l  
RT: 9.606 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

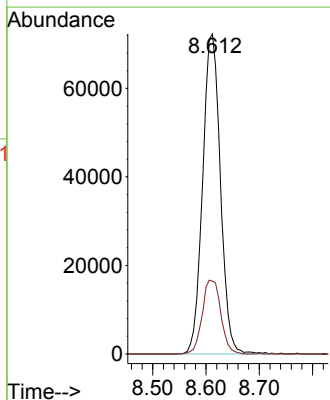
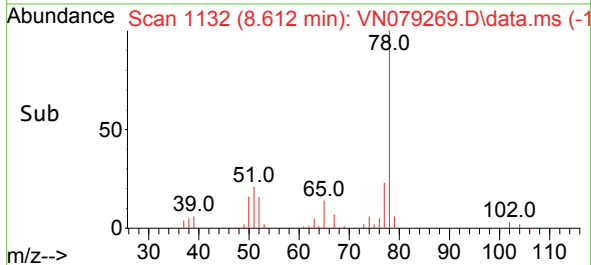
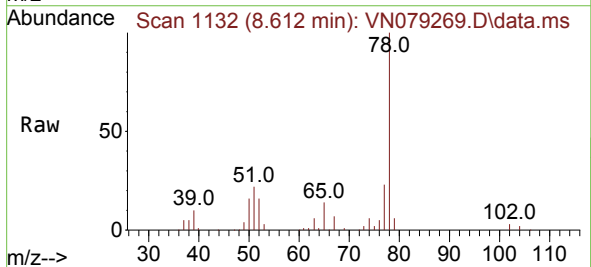


Tgt Ion: 83 Resp: 55129  
Ion Ratio Lower Upper  
83 100  
55 80.0 49.1 73.7#  
98 48.1 40.6 61.0

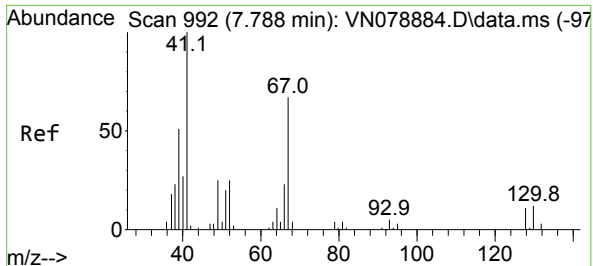


#40  
Benzene  
Concen: 16.978 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 78 Resp: 167320  
Ion Ratio Lower Upper  
78 100  
77 22.7 19.0 28.6



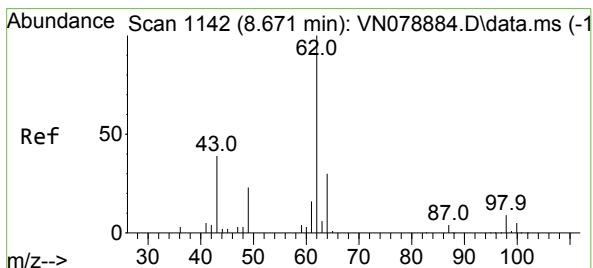
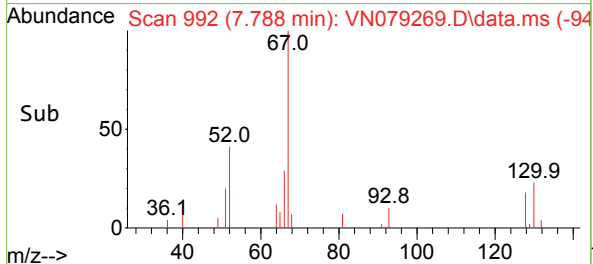
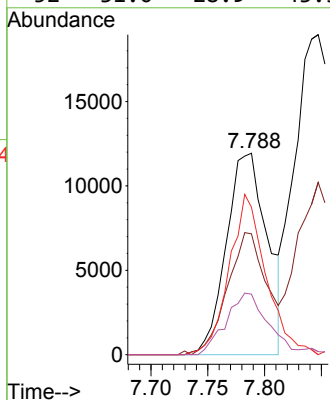
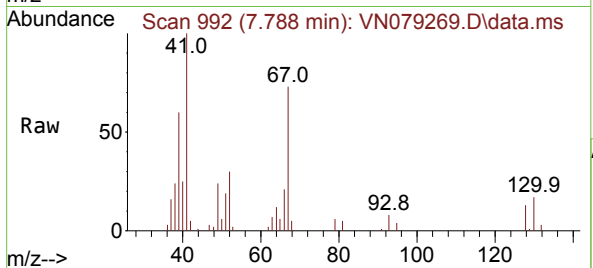




#41  
Methacrylonitrile  
Concen: 18.505 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

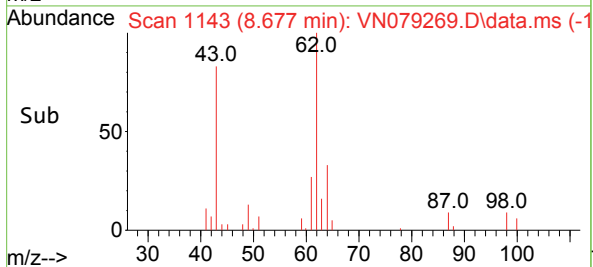
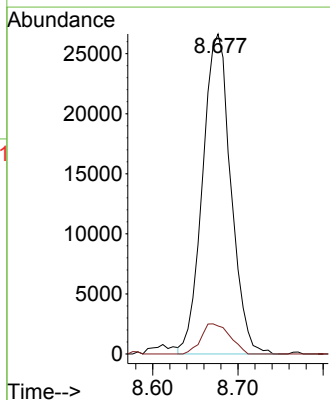
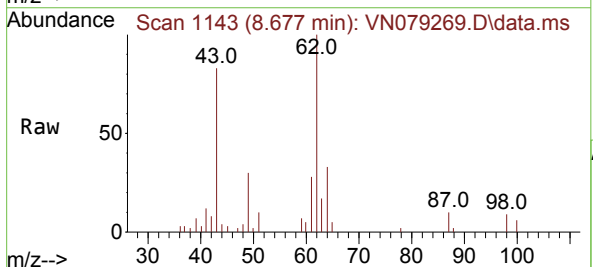
Instrument :  
MSVOA\_N  
ClientSampleId :

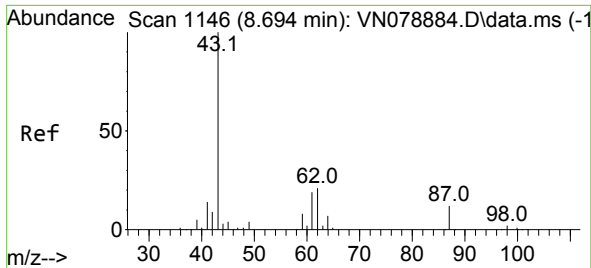
|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 29959     |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 39          | 58.1 42.6 64.0  |
| 67          | 71.7 77.5 116.3 |
| 52          | 31.0 28.9 43.3  |



#42  
1,2-Dichloroethane  
Concen: 18.092 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 61381  |
| Ion Ratio   | Lower Upper  |
| 62          | 100          |
| 98          | 9.6 0.0 19.8 |

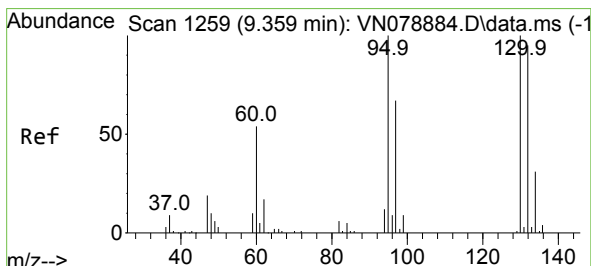
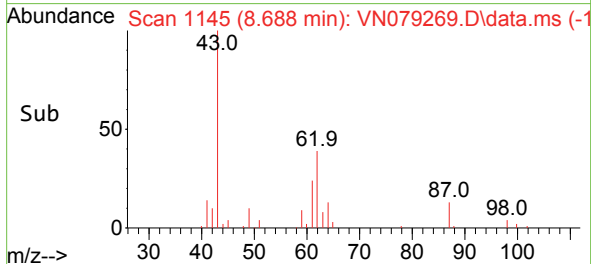
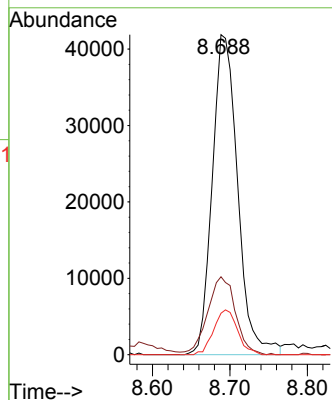
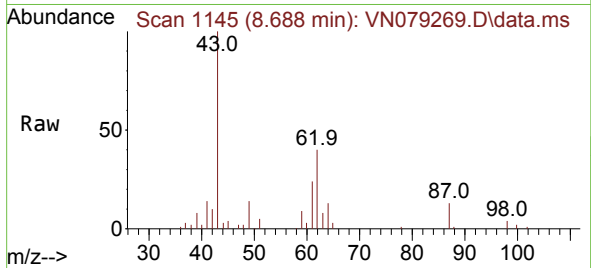




#43  
Isopropyl Acetate  
Concen: 18.197 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

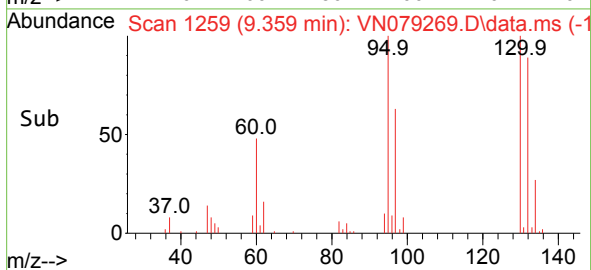
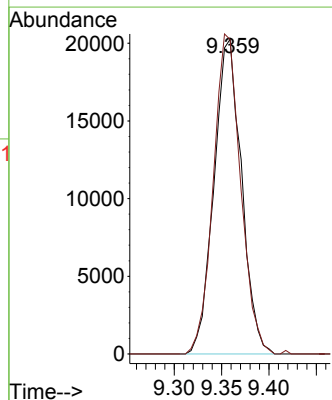
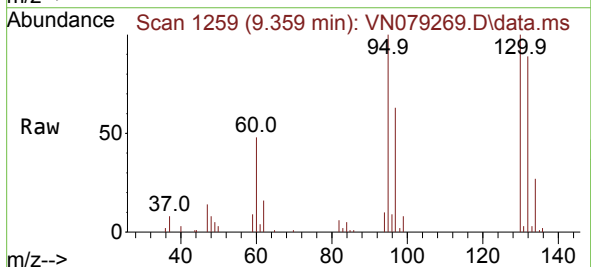
Instrument :  
MSVOA\_N  
ClientSampleId :

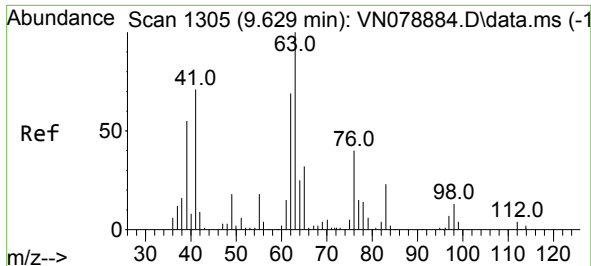
Tgt Ion: 43 Resp: 95338  
Ion Ratio Lower Upper  
43 100  
61 26.8 24.7 37.1  
87 13.2 14.6 21.8#



#44  
Trichloroethene  
Concen: 16.858 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:130 Resp: 40927  
Ion Ratio Lower Upper  
130 100  
95 99.9 0.0 204.6

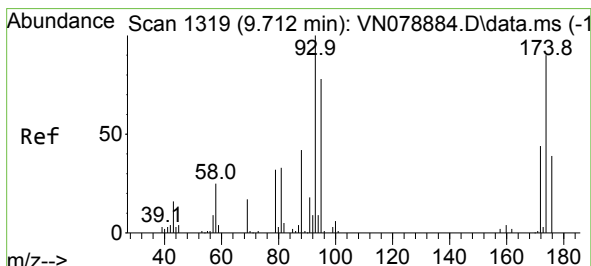
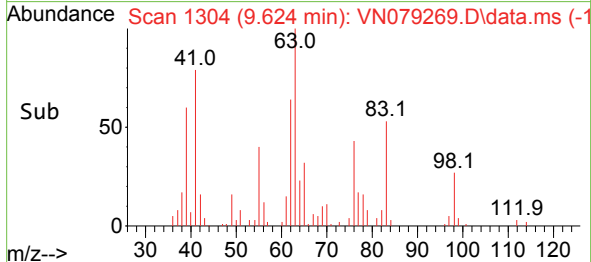
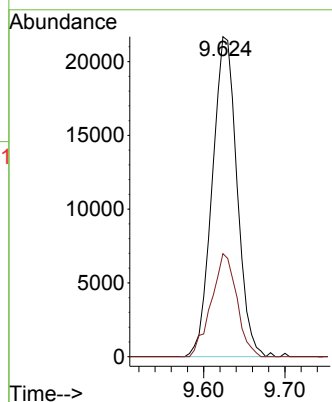
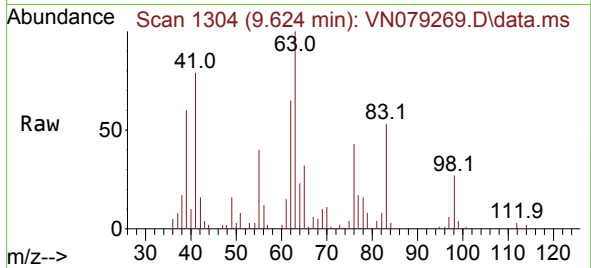




#45  
1,2-Dichloropropane  
Concen: 18.780 ug/l  
RT: 9.624 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

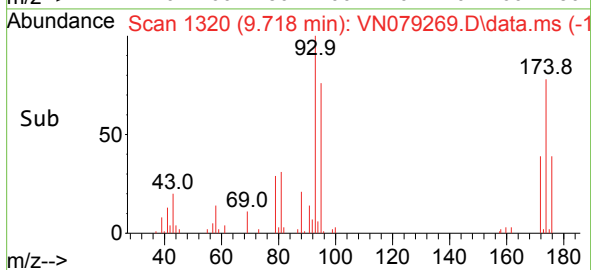
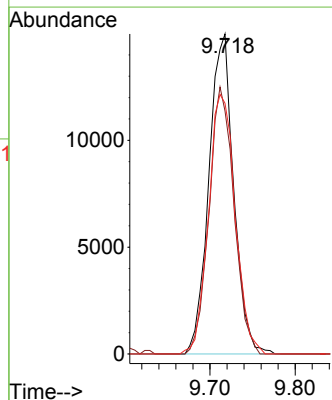
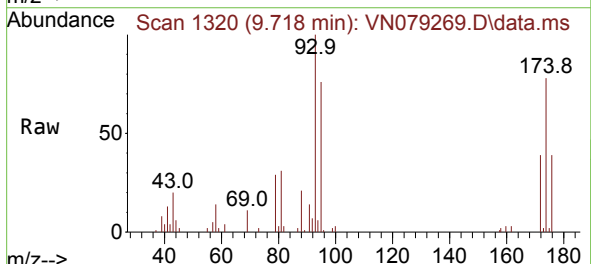
Instrument :  
MSVOA\_N  
ClientSampleId :

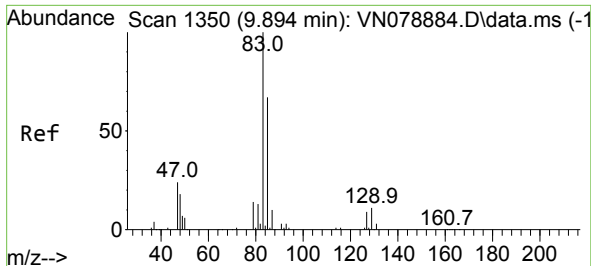
Tgt Ion: 63 Resp: 45933  
Ion Ratio Lower Upper  
63 100  
65 32.2 23.9 35.9



#46  
Dibromomethane  
Concen: 18.270 ug/l  
RT: 9.718 min Scan# 1320  
Delta R.T. 0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 93 Resp: 30334  
Ion Ratio Lower Upper  
93 100  
95 83.6 63.8 95.8  
174 87.3 65.6 98.4

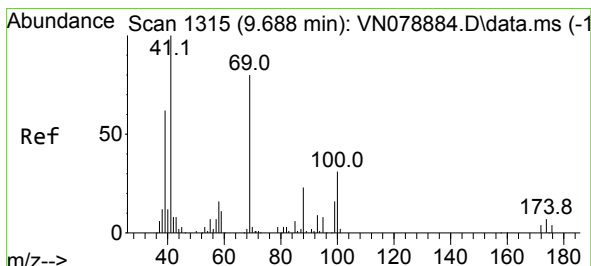
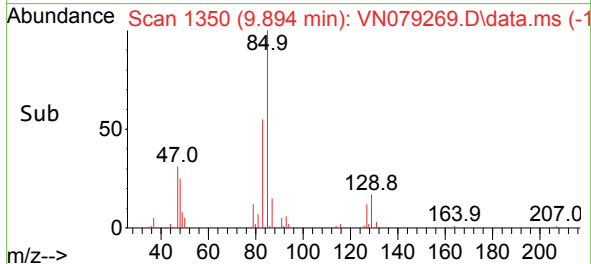
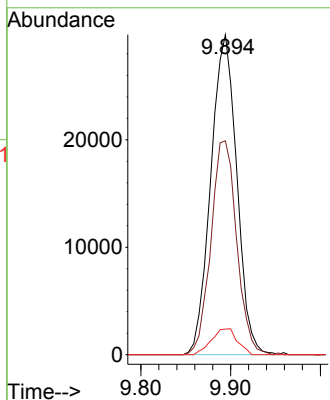
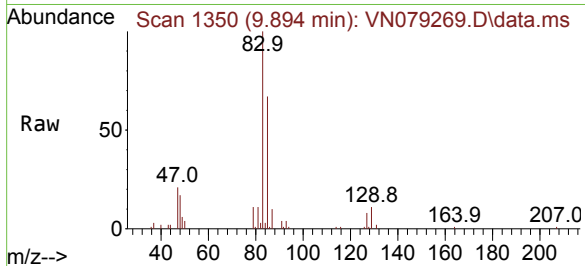




#47  
Bromodichloromethane  
Concen: 17.585 ug/l  
RT: 9.894 min Scan# 1350  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

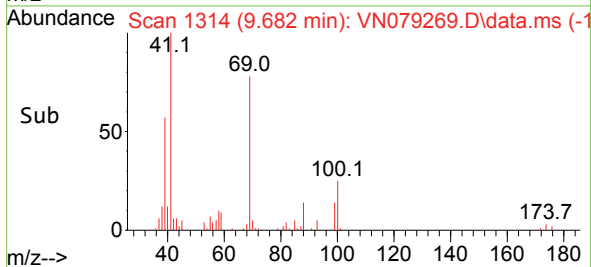
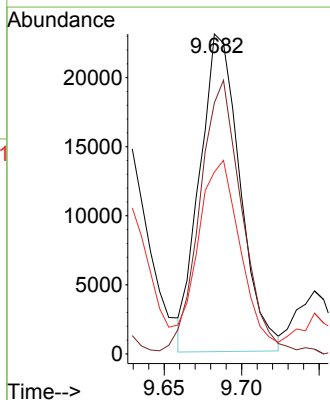
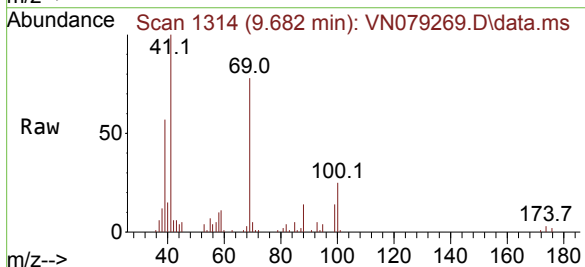
Instrument :  
MSVOA\_N  
ClientSampleId :

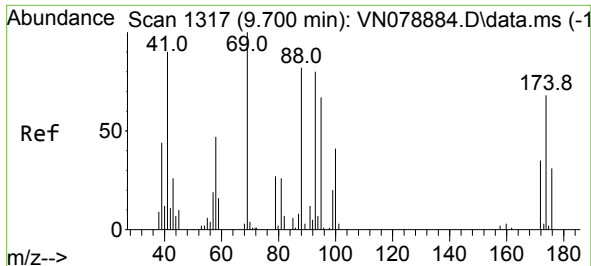
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.9  | 49.6  | 74.4  |
| 127     | 8.0   | 7.0   | 10.6  |



#48  
Methyl methacrylate  
Concen: 17.728 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 90.6  | 90.4  | 135.6 |
| 39      | 66.2  | 54.6  | 81.8  |





#49

1,4-Dioxane

Concen: 328.469 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

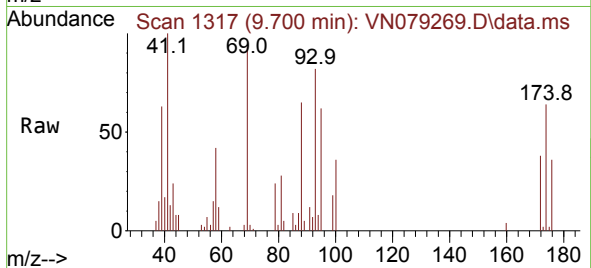
Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :



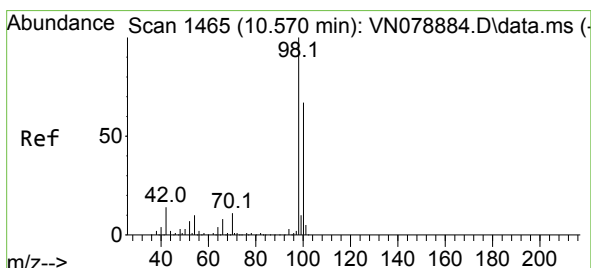
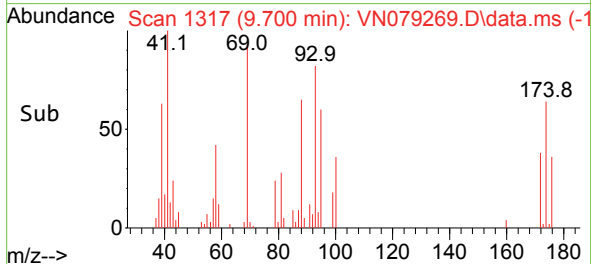
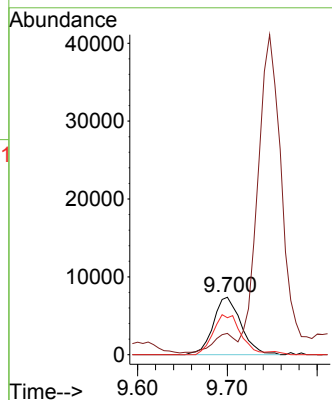
Tgt Ion: 88 Resp: 15855

Ion Ratio Lower Upper

88 100

43 29.6 17.0 25.6#

58 69.2 47.0 70.4



#50

Toluene-d8

Concen: 54.519 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079269.D

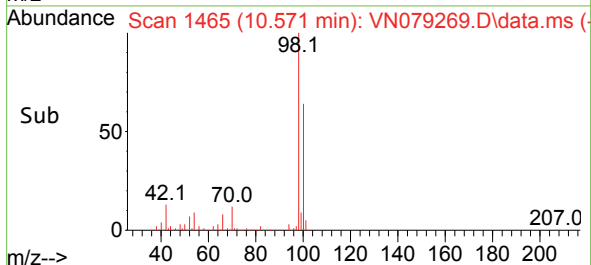
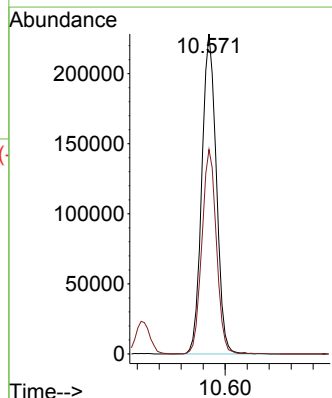
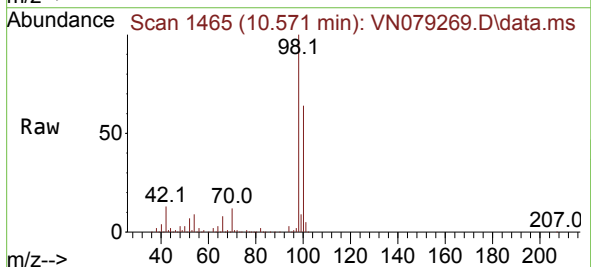
Acq: 15 Sep 2023 14:06

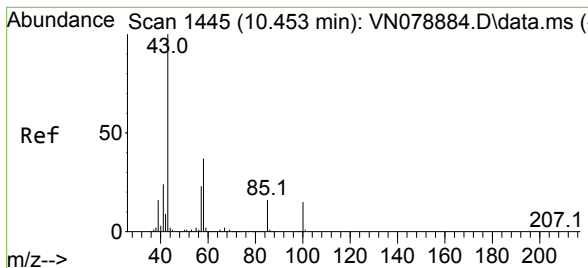
Tgt Ion: 98 Resp: 418102

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

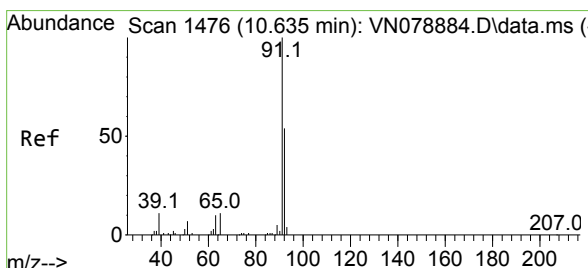
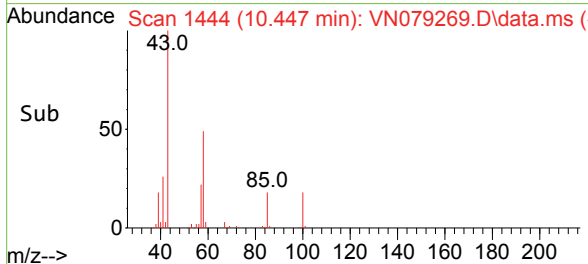
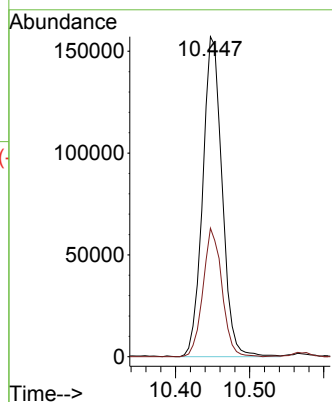
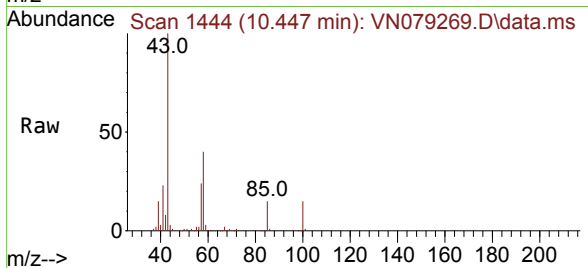




#51  
4-Methyl-2-Pentanone  
Concen: 94.421 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

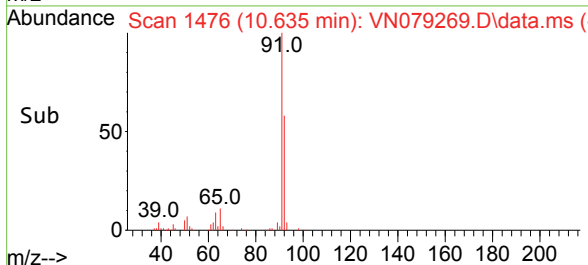
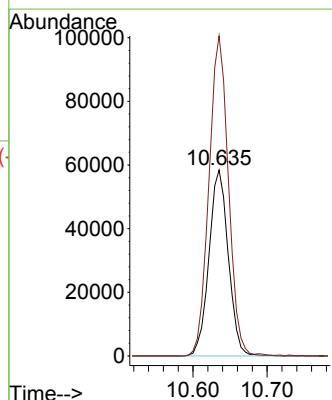
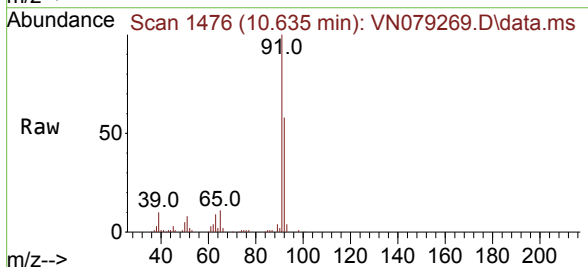
Instrument :  
MSVOA\_N  
ClientSampleId :

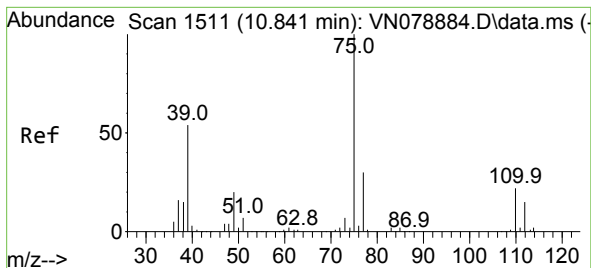
Tgt Ion: 43 Resp: 287170  
Ion Ratio Lower Upper  
43 100  
58 39.1 36.6 54.8



#52  
Toluene  
Concen: 17.459 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 92 Resp: 105742  
Ion Ratio Lower Upper  
92 100  
91 173.6 137.4 206.0

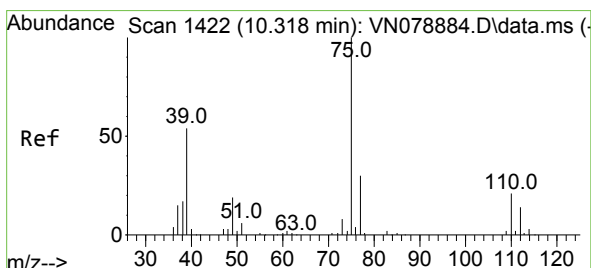
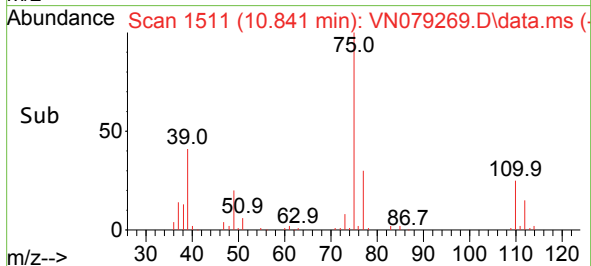
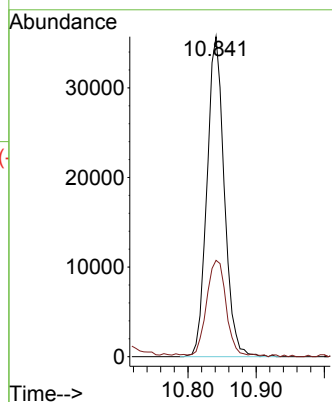
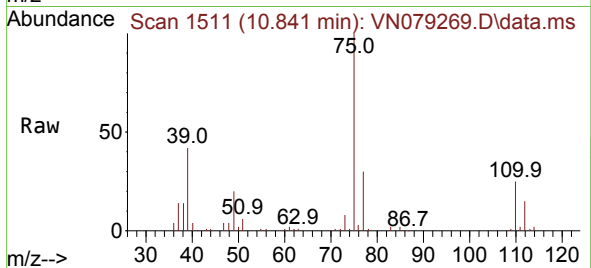




#53  
 t-1,3-Dichloropropene  
 Concen: 17.624 ug/l  
 RT: 10.841 min Scan# 1511  
 Delta R.T. 0.000 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

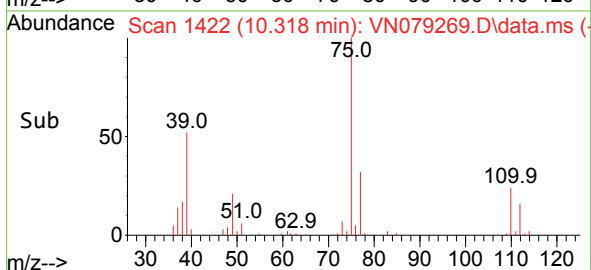
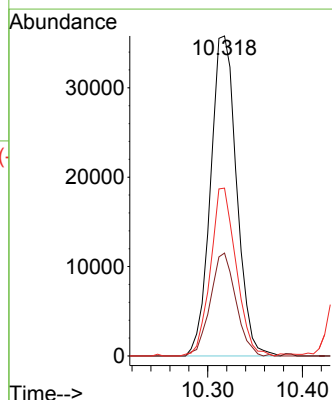
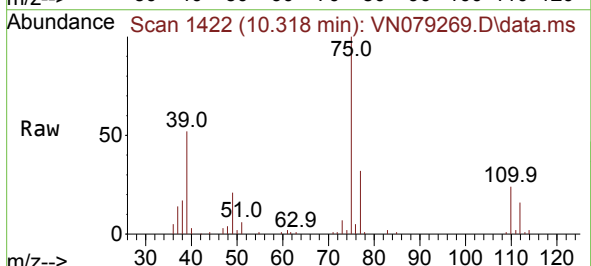
Instrument :  
 MSVOA\_N  
 ClientSampleId :

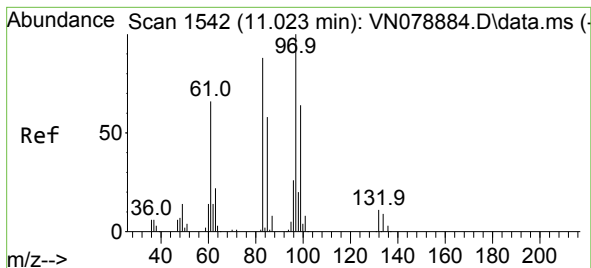
Tgt Ion: 75 Resp: 63198  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 17.859 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. -0.000 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

Tgt Ion: 75 Resp: 68495  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 26.1 39.1  
 39 52.5 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 17.909 ug/l

RT: 11.018 min Scan# 1

Delta R.T. -0.006 min

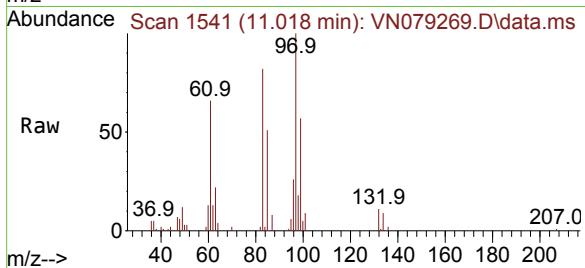
Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :



Tgt Ion: 97 Resp: 42559

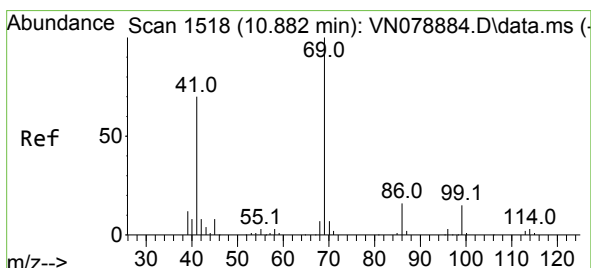
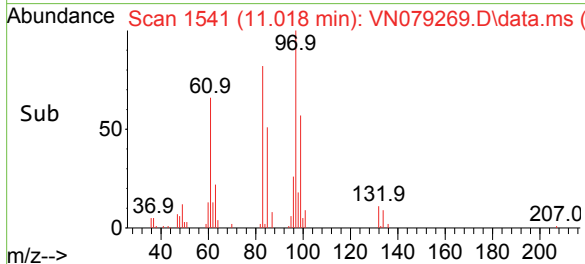
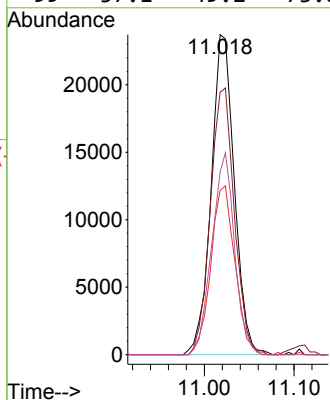
Ion Ratio Lower Upper

97 100

83 82.0 65.1 97.7

85 51.3 43.4 65.2

99 57.1 49.2 73.8



#56

Ethyl methacrylate

Concen: 17.894 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. -0.001 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

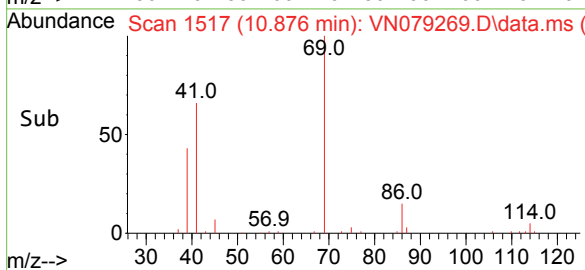
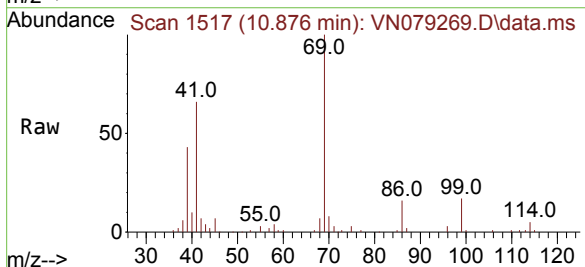
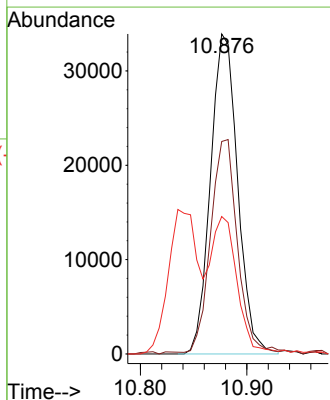
Tgt Ion: 69 Resp: 60027

Ion Ratio Lower Upper

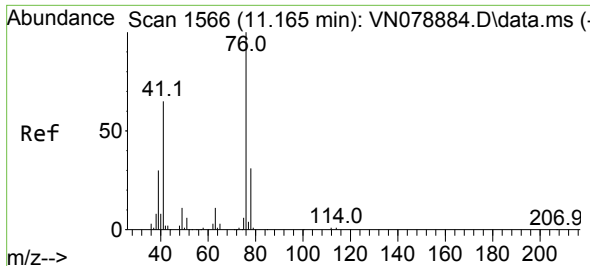
69 100

41 67.7 39.6 59.4#

39 42.8 28.6 43.0

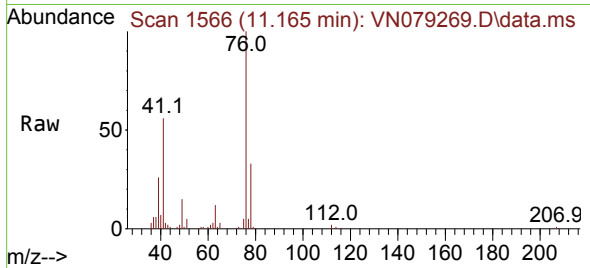




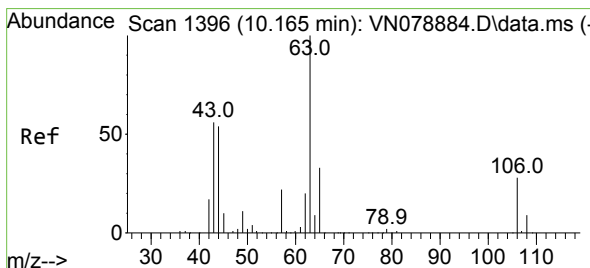
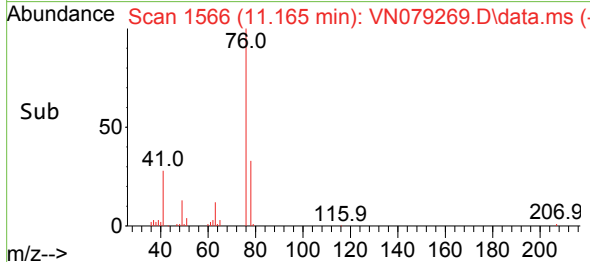
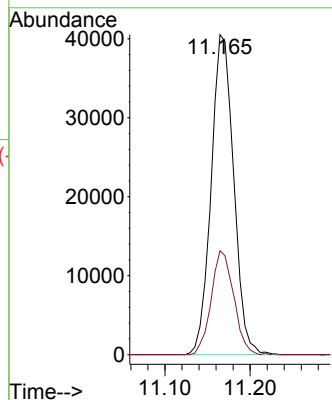


#57  
1,3-Dichloropropane  
Concen: 18.183 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

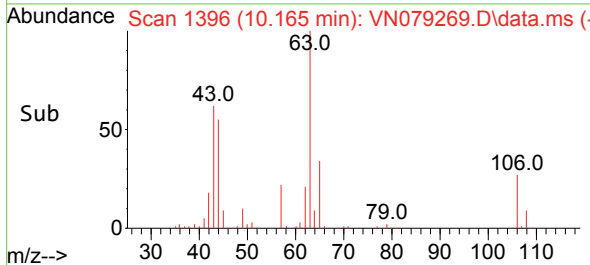
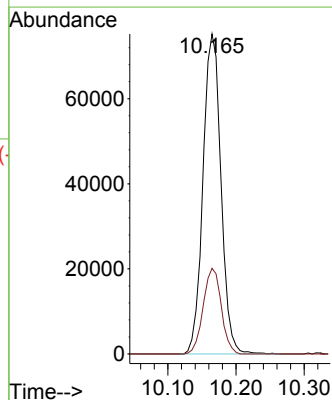
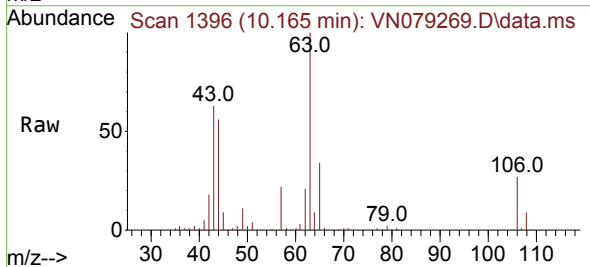


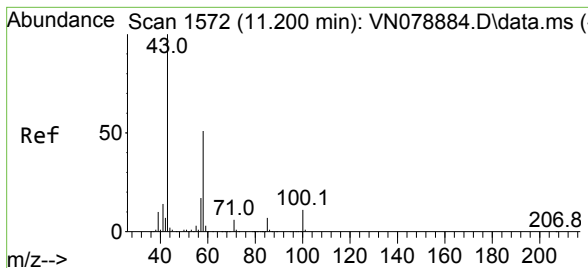
Tgt Ion: 76 Resp: 74698  
Ion Ratio Lower Upper  
76 100  
78 32.3 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 104.396 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 63 Resp: 137728  
Ion Ratio Lower Upper  
63 100  
106 26.9 26.2 39.4

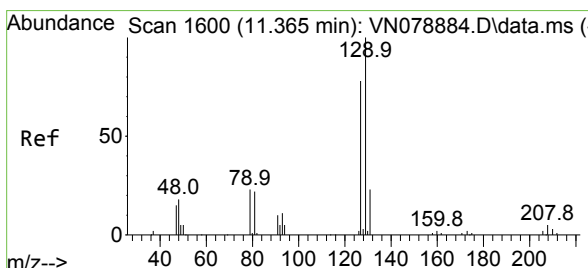
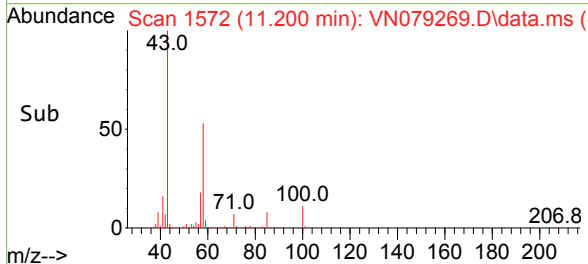
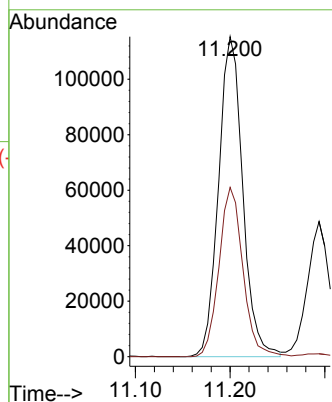
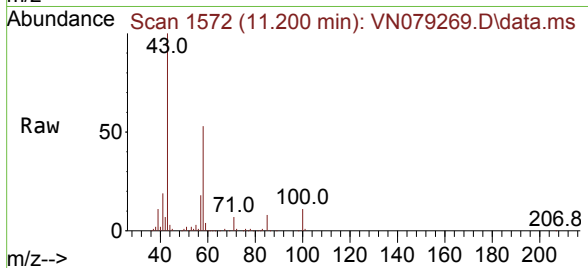




#59  
2-Hexanone  
Concen: 92.920 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

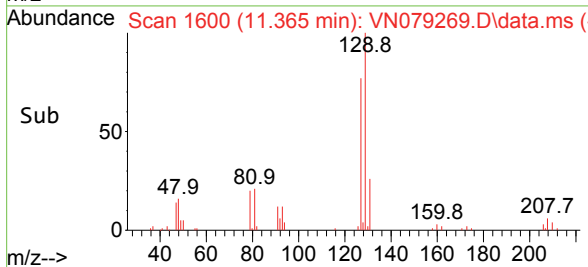
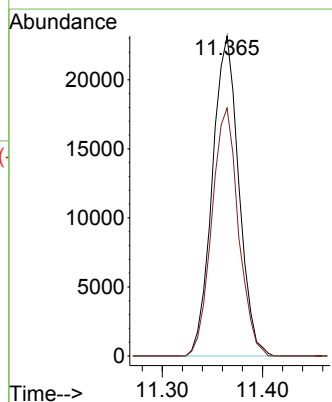
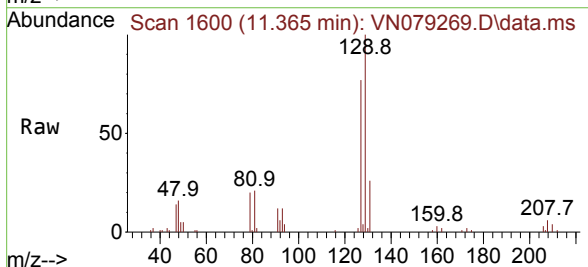
Instrument :  
MSVOA\_N  
ClientSampleId :

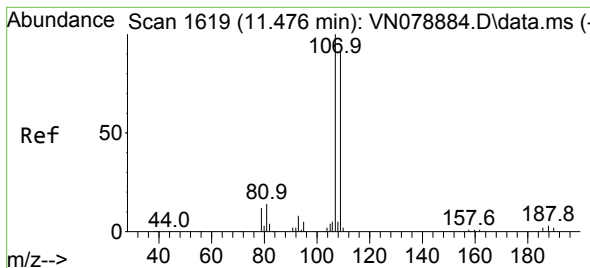
Tgt Ion: 43 Resp: 204689  
Ion Ratio Lower Upper  
43 100  
58 52.4 31.7 95.1



#60  
Dibromochloromethane  
Concen: 16.784 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:129 Resp: 42451  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.6 116.0

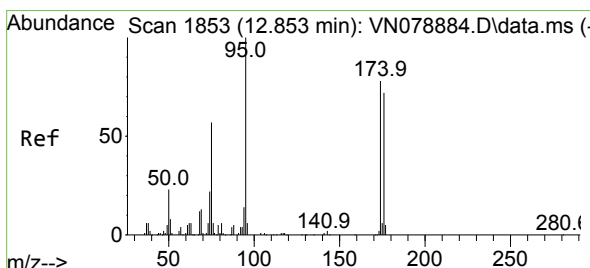
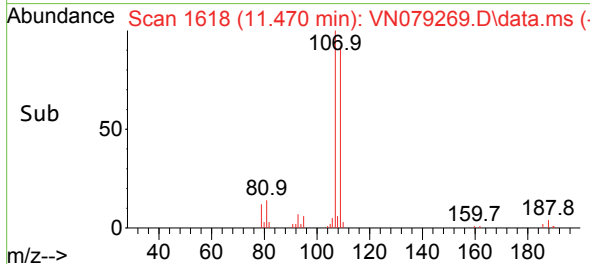
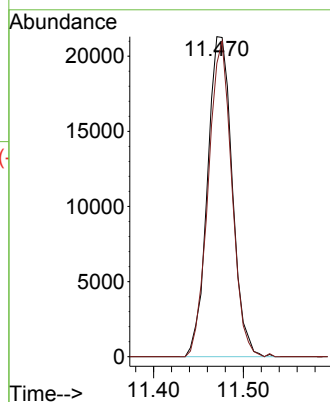
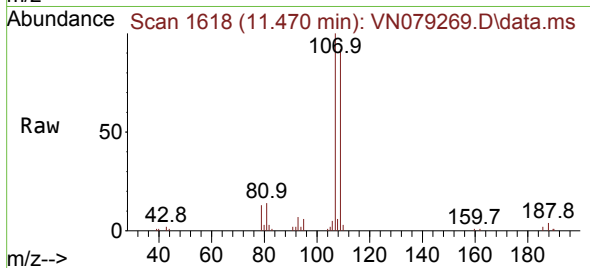




#61  
1,2-Dibromoethane  
Concen: 17.180 ug/l  
RT: 11.470 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

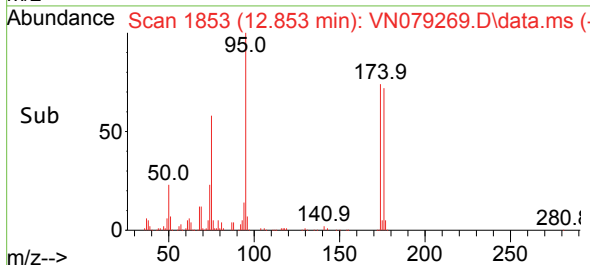
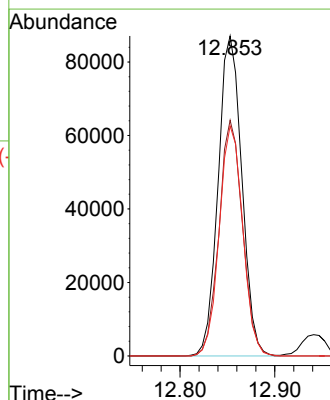
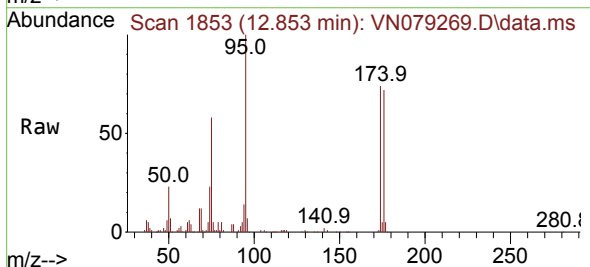
Instrument :  
MSVOA\_N  
ClientSampleId :

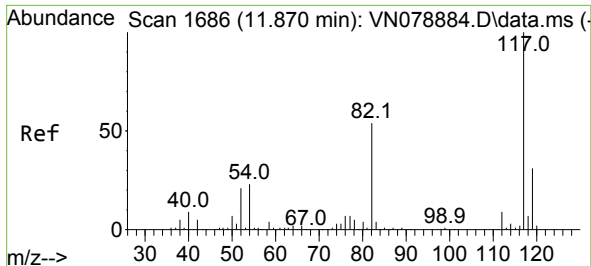
Tgt Ion:107 Resp: 40744  
Ion Ratio Lower Upper  
107 100  
109 93.7 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 61.923 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 95 Resp: 151479  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 143.8  
176 71.1 0.0 135.8

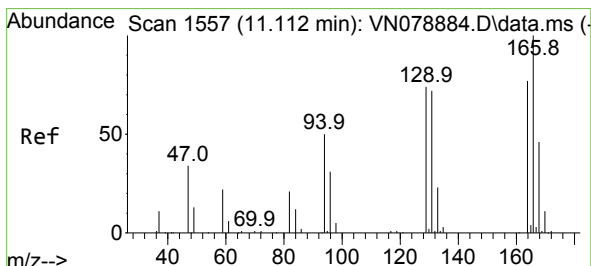
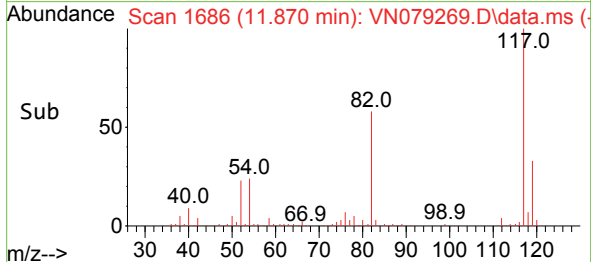
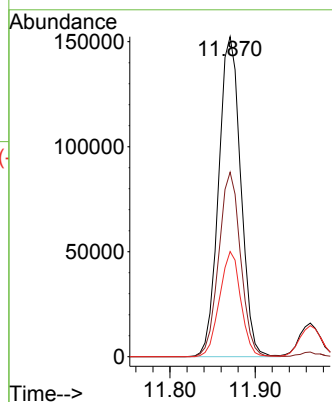
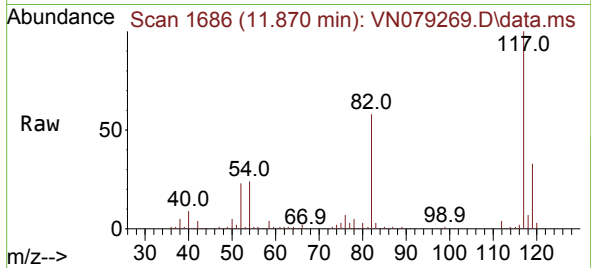




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.870 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

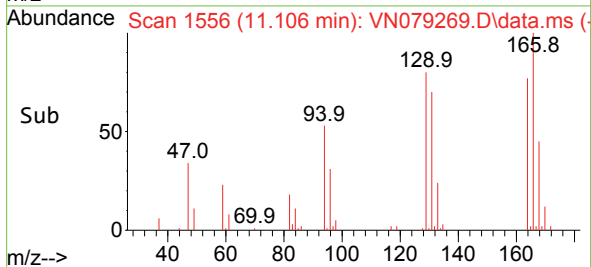
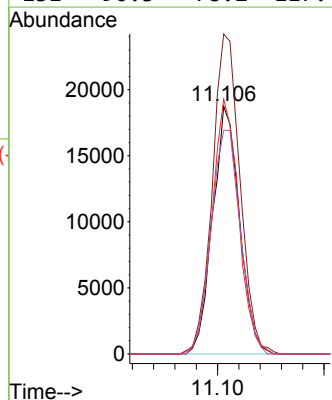
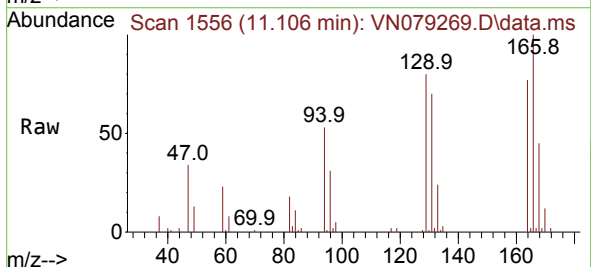
Instrument :  
MSVOA\_N  
ClientSampleId :

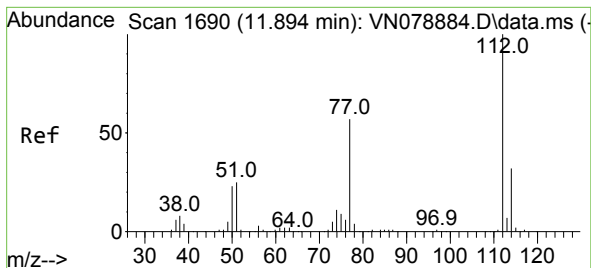
Tgt Ion:117 Resp: 274798  
Ion Ratio Lower Upper  
117 100  
82 57.7 44.0 66.0  
119 32.8 25.6 38.4



#64  
Tetrachloroethene  
Concen: 16.351 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:164 Resp: 32763  
Ion Ratio Lower Upper  
164 100  
166 129.2 101.4 152.0  
129 102.9 82.4 123.6  
131 90.3 78.2 117.4





#65

Chlorobenzene

Concen: 17.482 ug/l

RT: 11.894 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

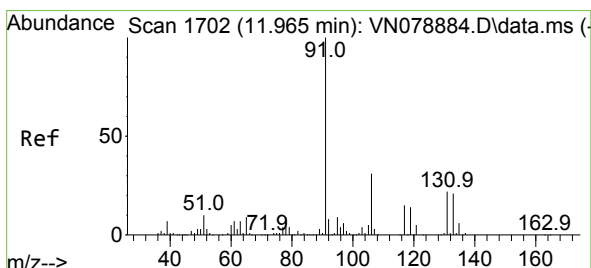
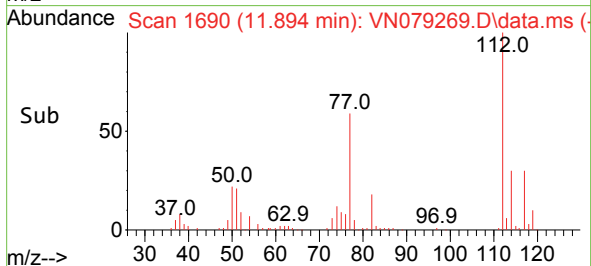
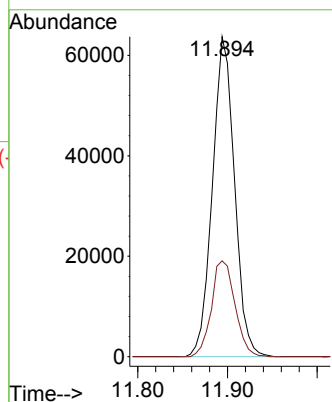
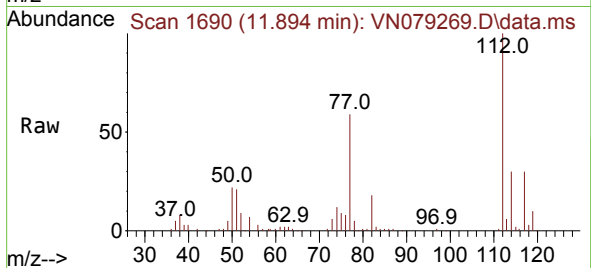
ClientSampleId :

Tgt Ion:112 Resp: 108830

Ion Ratio Lower Upper

112 100

114 29.9 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 16.905 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

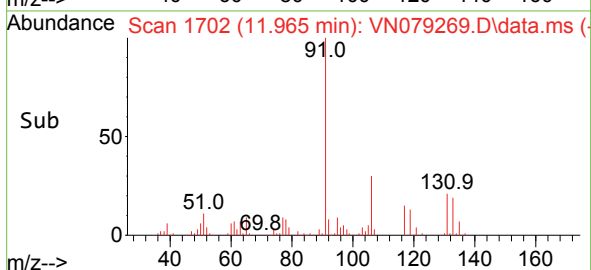
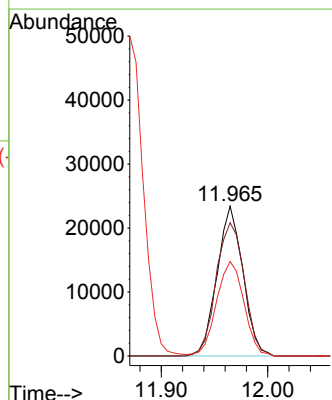
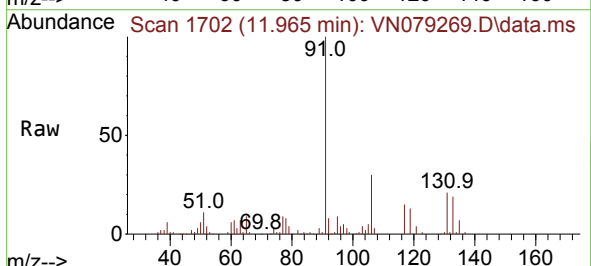
Tgt Ion:131 Resp: 39463

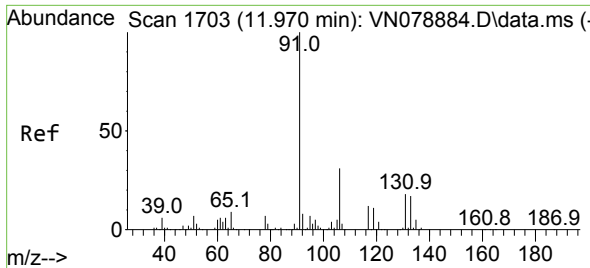
Ion Ratio Lower Upper

131 100

133 96.7 46.4 139.1

119 66.9 34.1 102.2

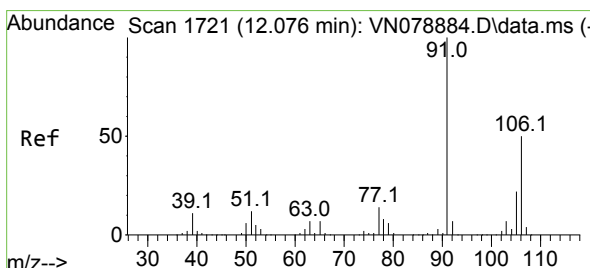
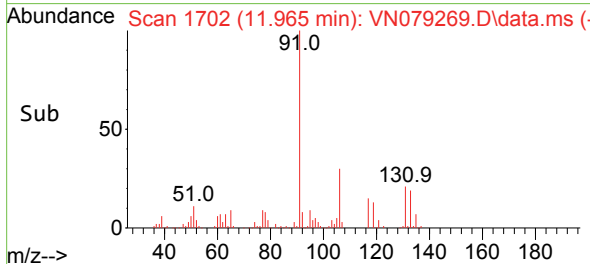
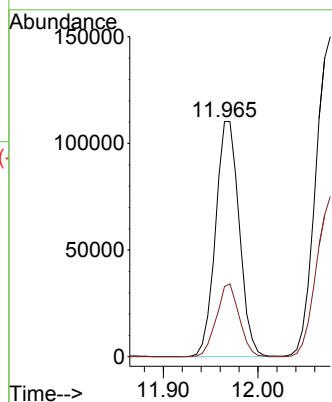
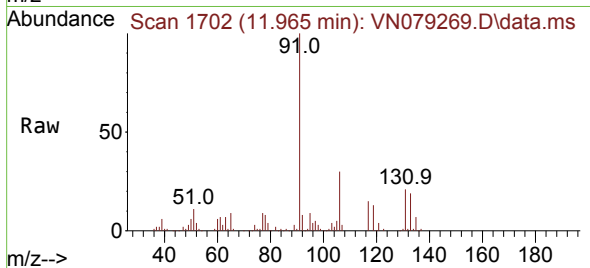




#67  
Ethyl Benzene  
Concen: 18.025 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

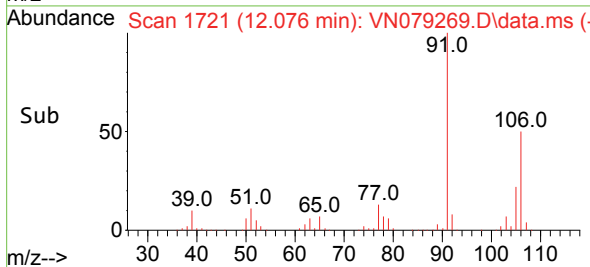
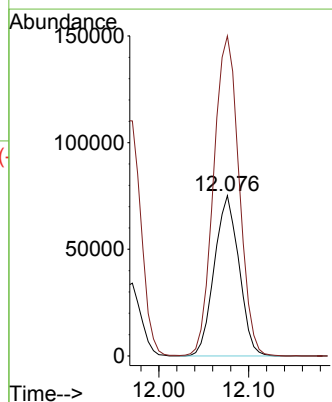
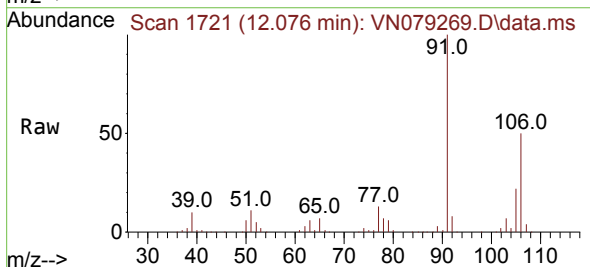
Instrument :  
MSVOA\_N  
ClientSampleId :

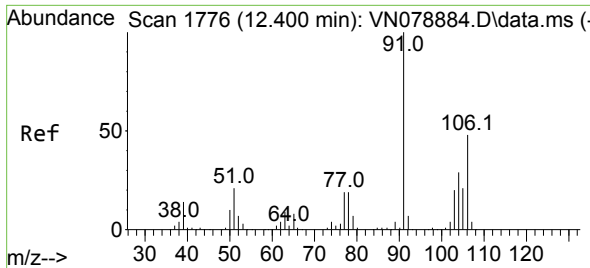
Tgt Ion: 91 Resp: 191933  
Ion Ratio Lower Upper  
91 100  
106 29.8 25.6 38.4



#68  
m/p-Xylenes  
Concen: 36.151 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:106 Resp: 143482  
Ion Ratio Lower Upper  
106 100  
91 206.0 159.6 239.4

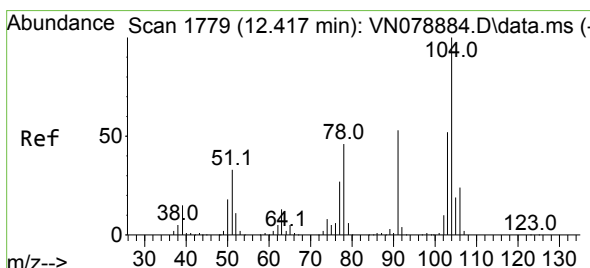
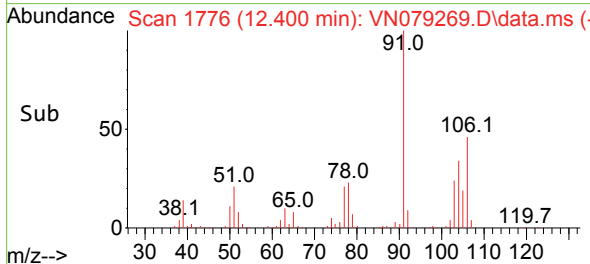
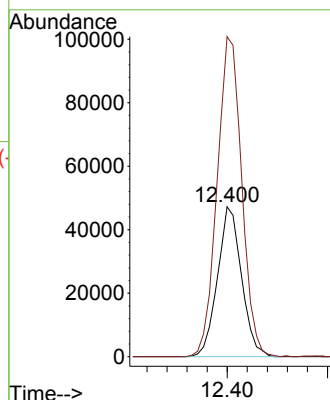
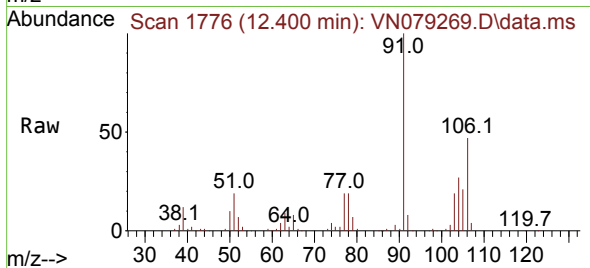




#69  
o-Xylene  
Concen: 20.609 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

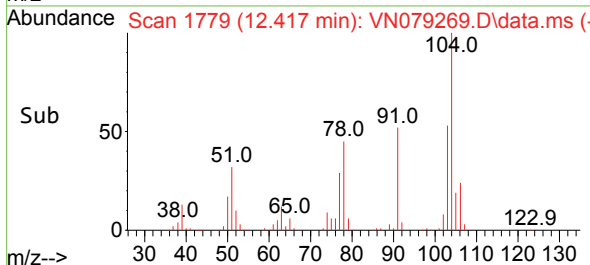
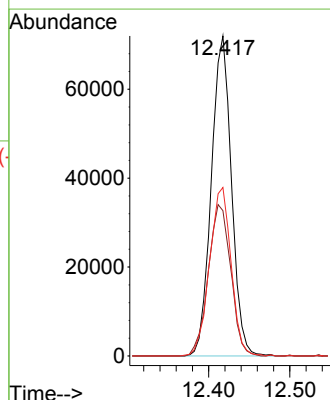
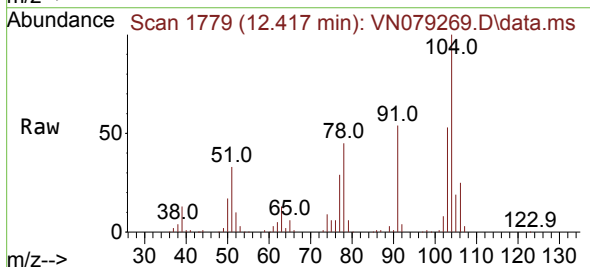
Instrument :  
MSVOA\_N  
ClientSampleId :

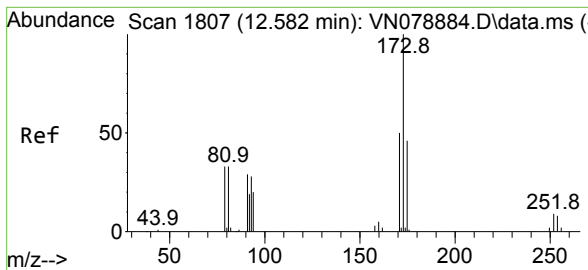
Tgt Ion:106 Resp: 78449  
Ion Ratio Lower Upper  
106 100  
91 218.9 105.2 315.5



#70  
Styrene  
Concen: 20.282 ug/l  
RT: 12.417 min Scan# 1779  
Delta R.T. -0.001 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:104 Resp: 124167  
Ion Ratio Lower Upper  
104 100  
78 52.7 39.5 59.3  
103 56.3 43.2 64.8

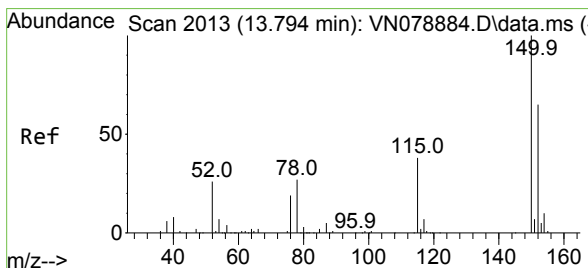
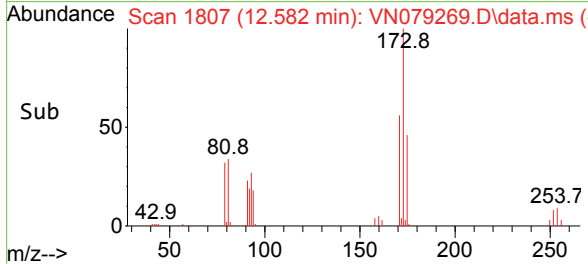
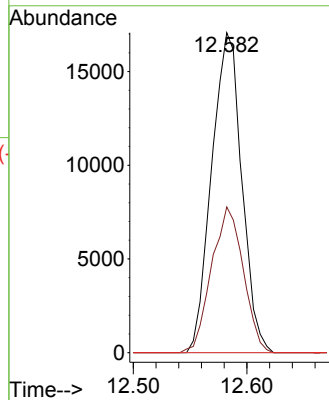
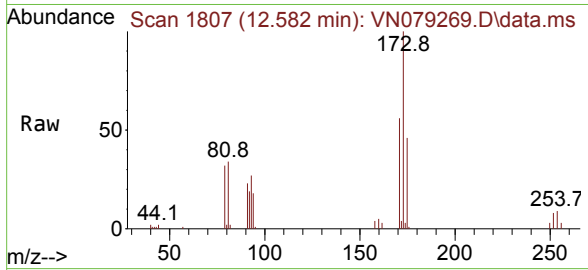




#71  
Bromoform  
Concen: 18.222 ug/l  
RT: 12.582 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

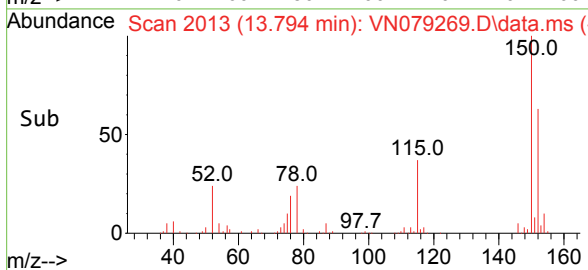
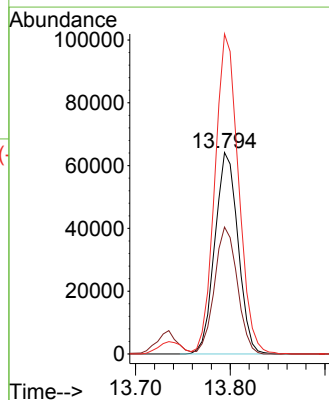
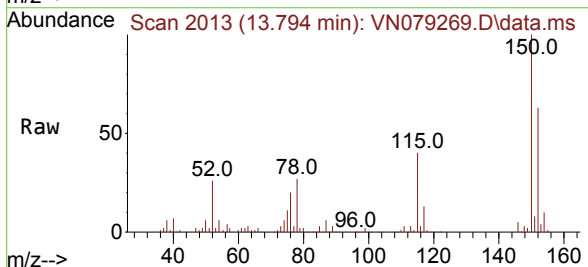
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:173 Resp: 31402  
Ion Ratio Lower Upper  
173 100  
175 48.0 24.3 73.0  
254 0.0 0.0 0.0

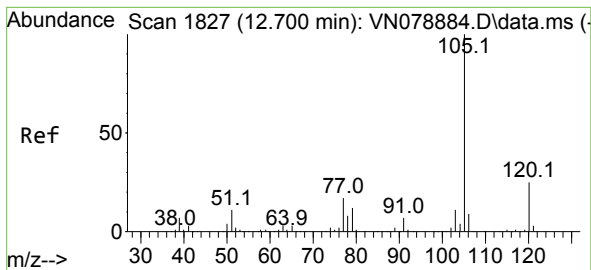


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion:152 Resp: 108863  
Ion Ratio Lower Upper  
152 100  
115 62.3 32.3 96.8  
150 162.4 0.0 355.8







#73

Isopropylbenzene

Concen: 19.909 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

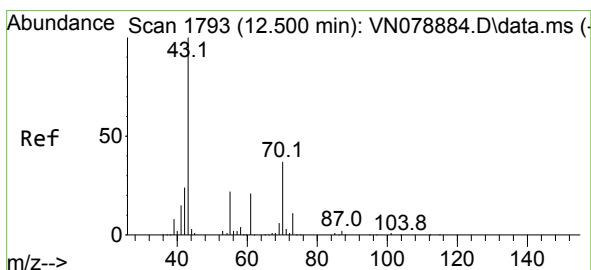
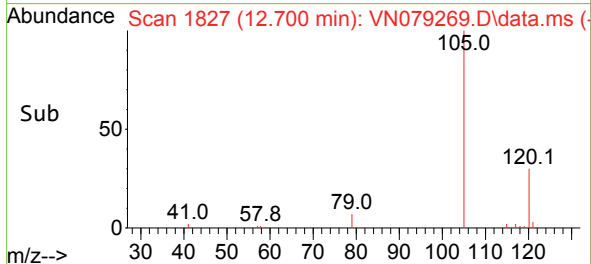
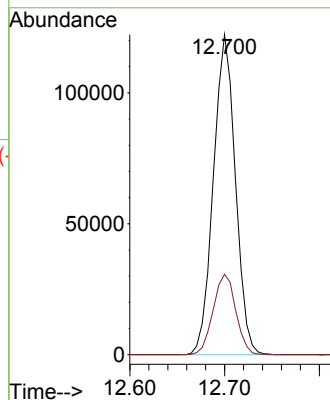
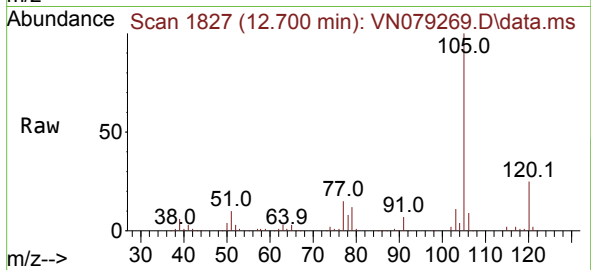
ClientSampleId :

Tgt Ion:105 Resp: 197193

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 20.352 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Tgt Ion: 43 Resp: 76476

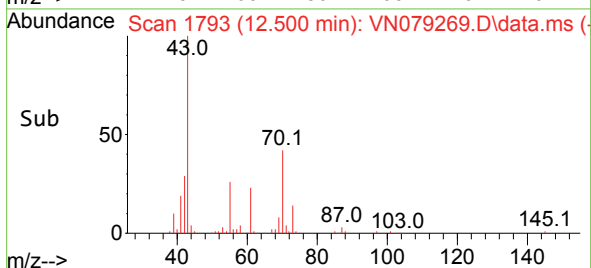
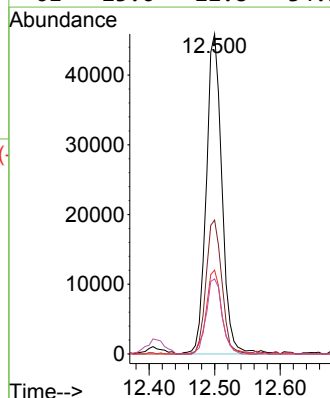
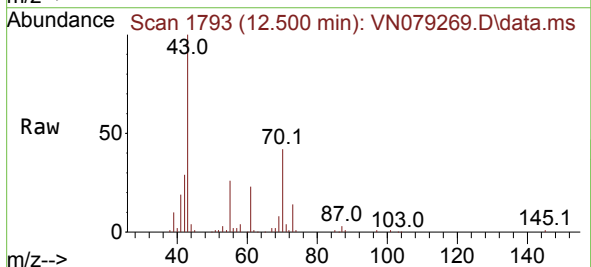
Ion Ratio Lower Upper

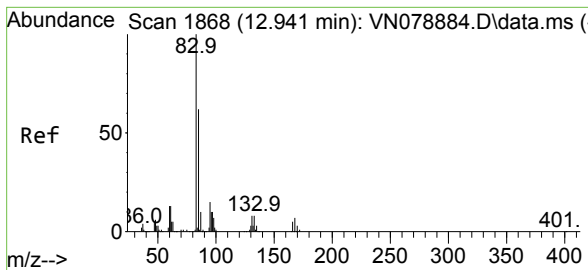
43 100

70 41.9 43.4 65.2#

55 26.1 21.4 32.0

61 23.6 22.8 34.2

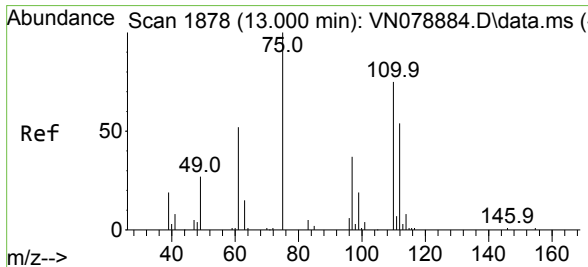
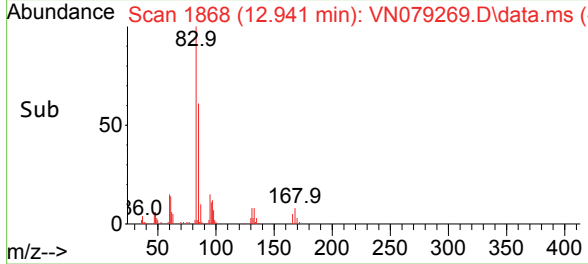
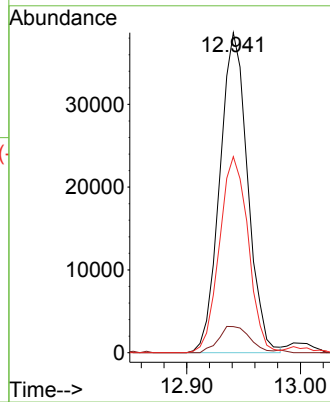
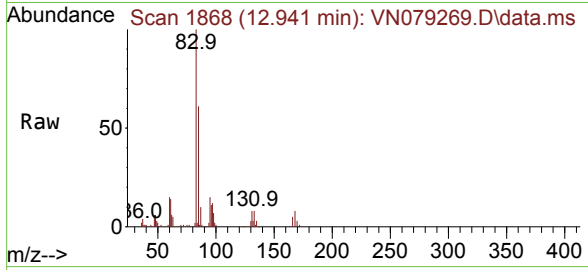




#75  
1,1,2,2-Tetrachloroethane  
Concen: 17.855 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

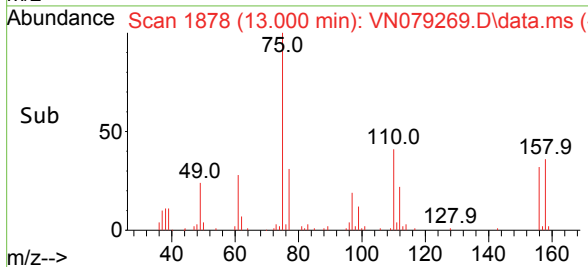
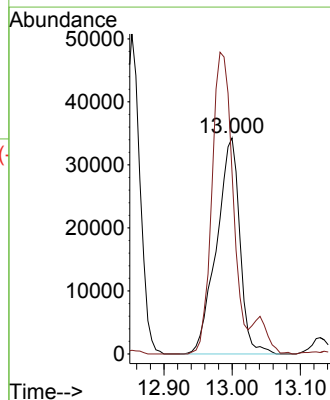
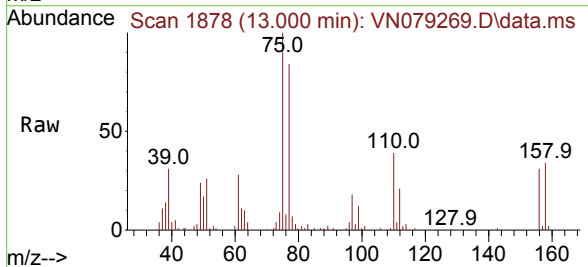
Instrument :  
MSVOA\_N  
ClientSampleId :

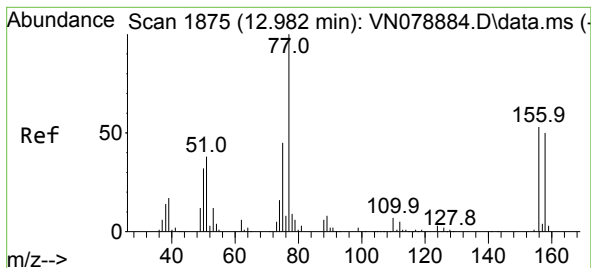
Tgt Ion: 83 Resp: 65855  
Ion Ratio Lower Upper  
83 100  
131 9.5 5.0 15.0  
85 63.2 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 27.779 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 75 Resp: 81505  
Ion Ratio Lower Upper  
75 100  
77 125.6 84.5 253.5





#77

Bromobenzene

Concen: 17.677 ug/l

RT: 12.988 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

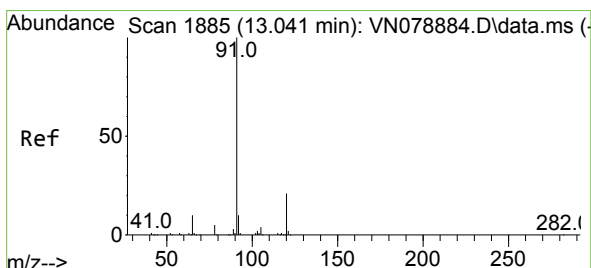
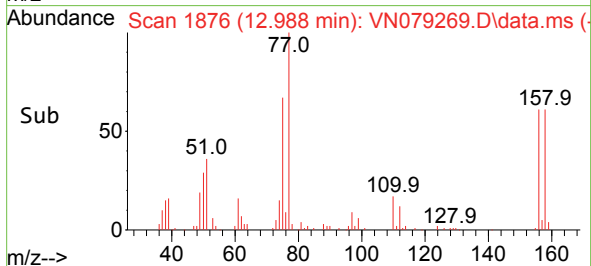
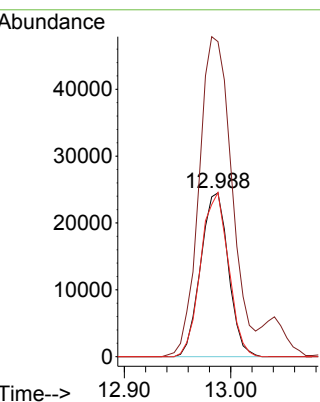
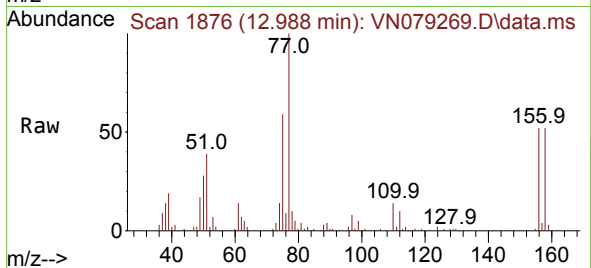
Tgt Ion:156 Resp: 44333

Ion Ratio Lower Upper

156 100

77 230.9 107.7 323.3

158 100.3 48.4 145.3



#78

n-propylbenzene

Concen: 21.306 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN079269.D

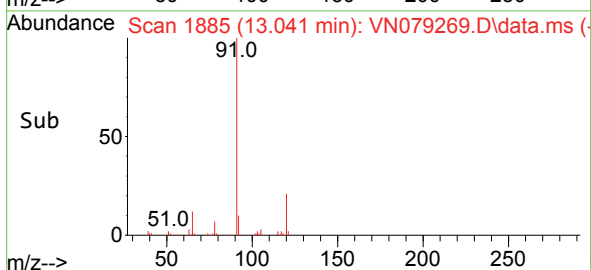
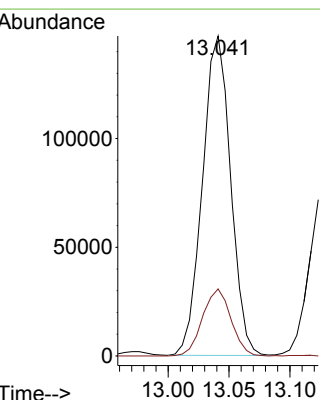
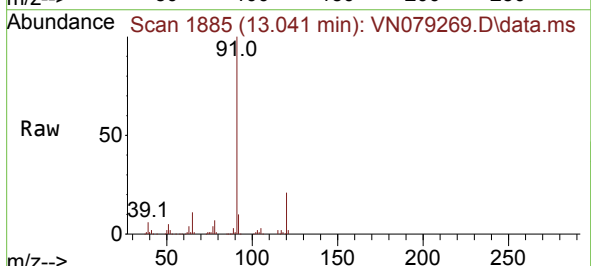
Acq: 15 Sep 2023 14:06

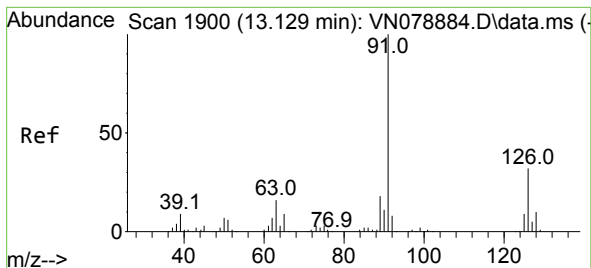
Tgt Ion: 91 Resp: 237056

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.764 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

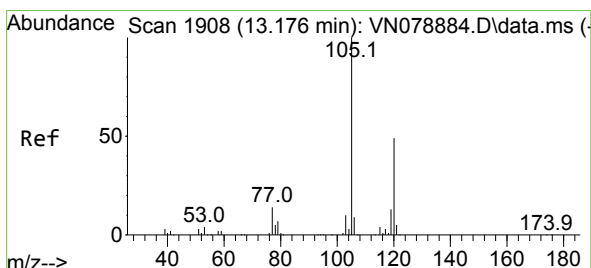
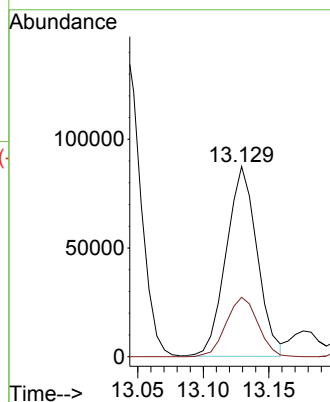
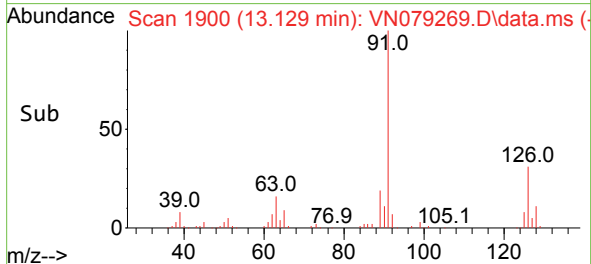
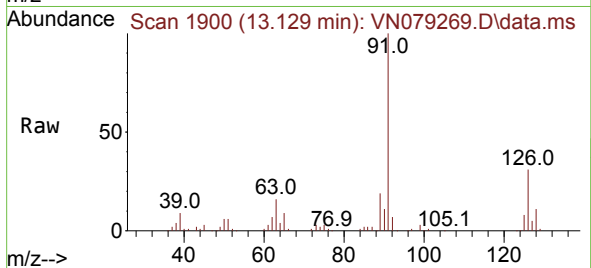
ClientSampleId :

Tgt Ion: 91 Resp: 143823

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 20.366 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN079269.D

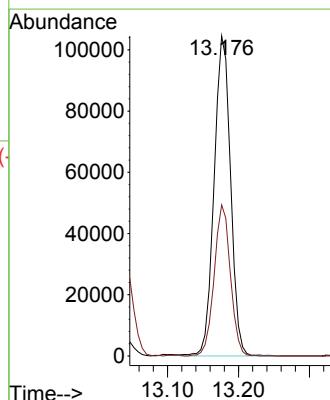
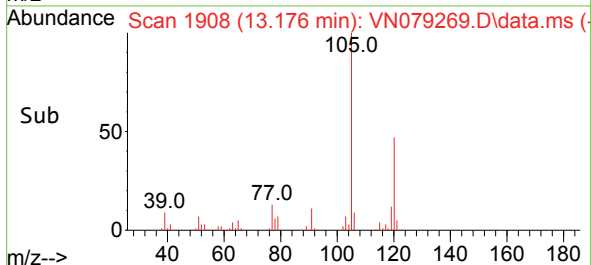
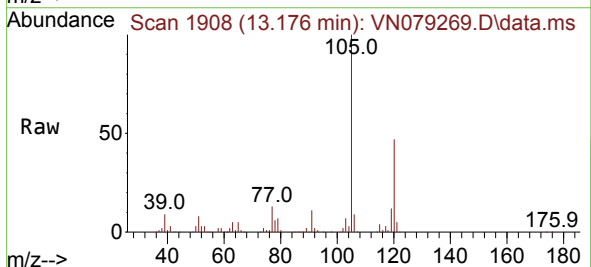
Acq: 15 Sep 2023 14:06

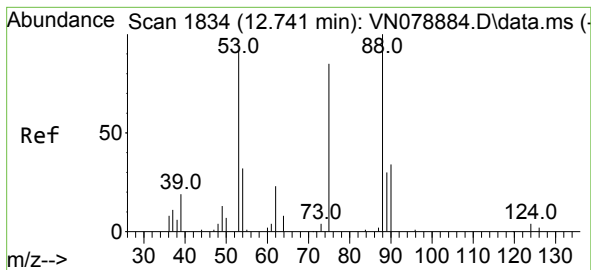
Tgt Ion:105 Resp: 168082

Ion Ratio Lower Upper

105 100

120 46.5 24.1 72.3

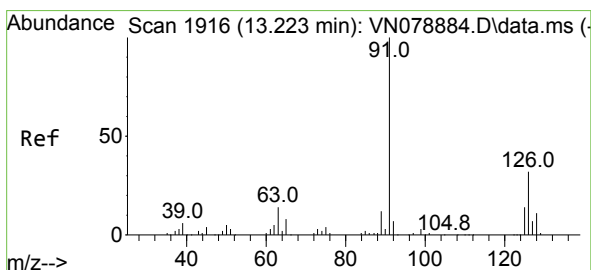
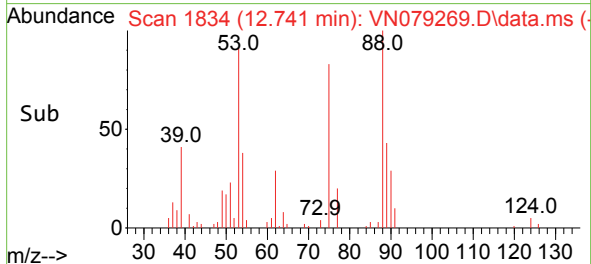
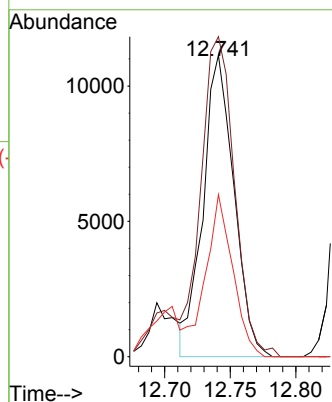
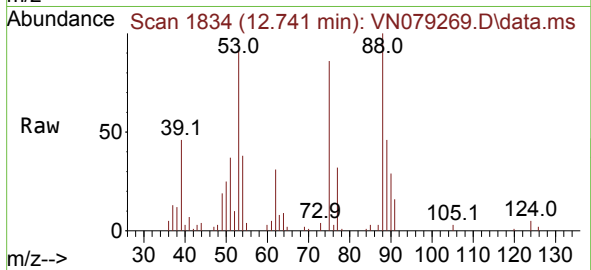




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.062 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

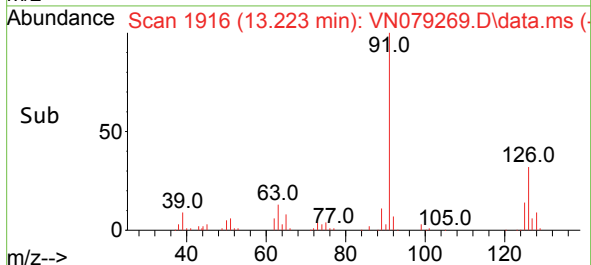
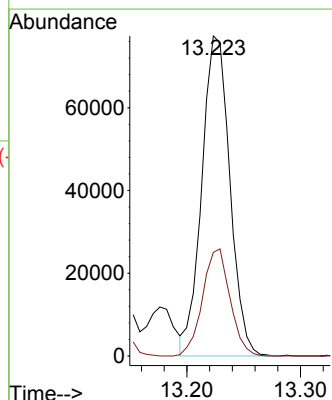
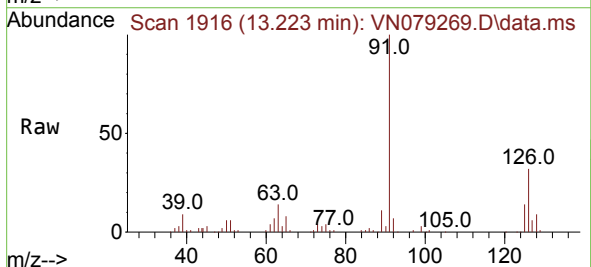
Instrument :  
MSVOA\_N  
ClientSampleId :

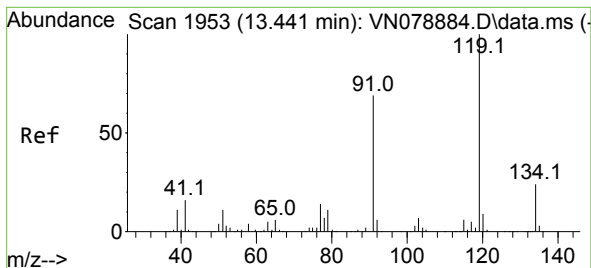
Tgt Ion: 75 Resp: 18209  
Ion Ratio Lower Upper  
75 100  
53 114.9 67.4 101.2#  
89 45.9 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 19.438 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Tgt Ion: 91 Resp: 132918  
Ion Ratio Lower Upper  
91 100  
126 32.7 16.7 50.0





#83

tert-Butylbenzene

Concen: 18.338 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

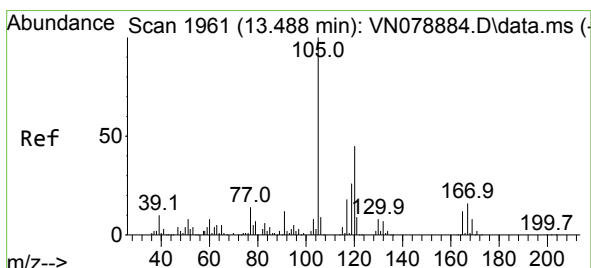
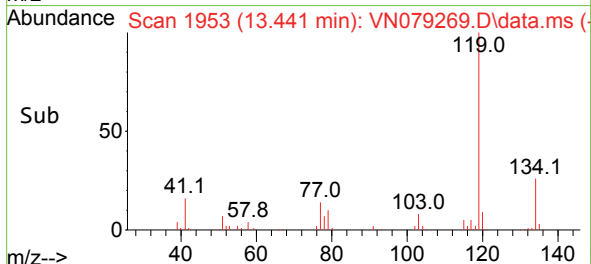
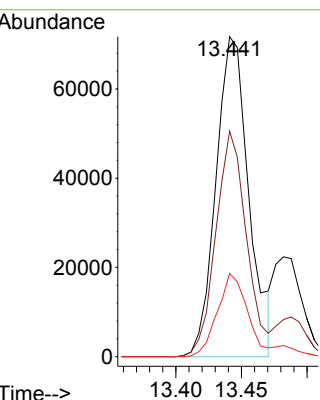
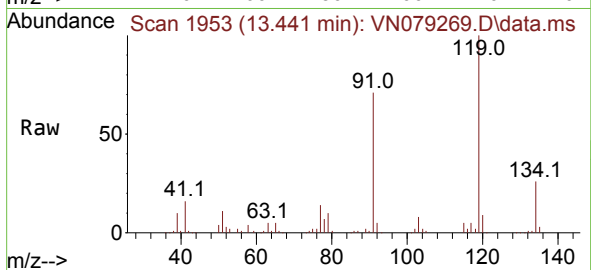
Tgt Ion:119 Resp: 125203

Ion Ratio Lower Upper

119 100

91 65.7 33.9 101.7

134 23.7 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 18.744 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN079269.D

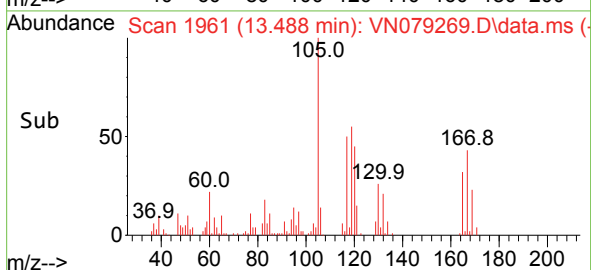
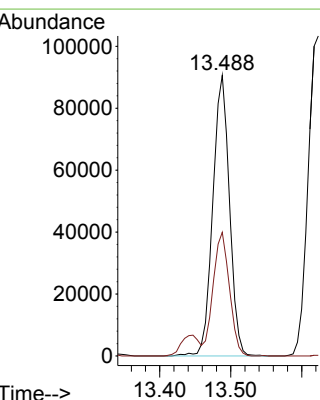
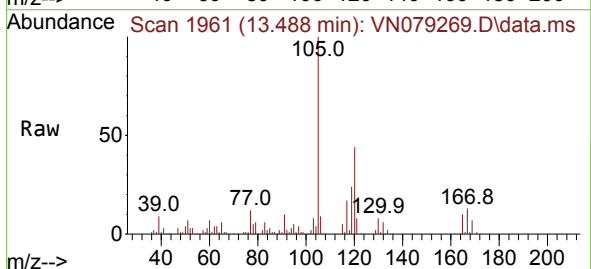
Acq: 15 Sep 2023 14:06

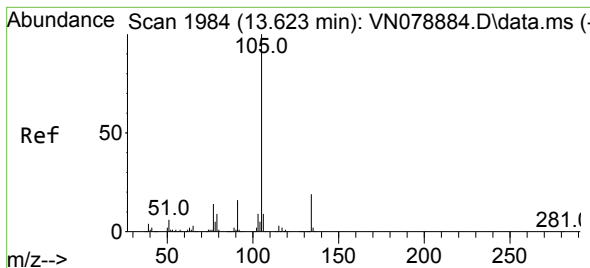
Tgt Ion:105 Resp: 147320

Ion Ratio Lower Upper

105 100

120 43.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 17.904 ug/l

RT: 13.623 min Scan# 1984

Delta R.T. 0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

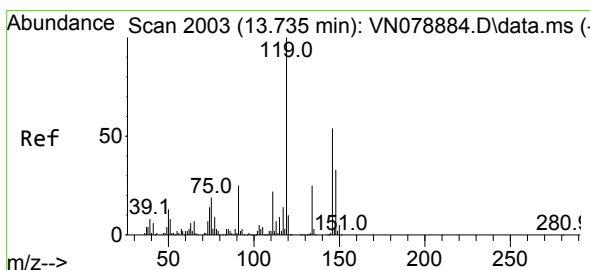
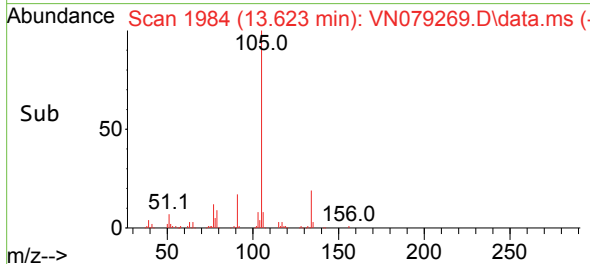
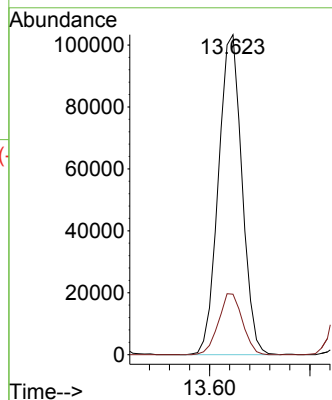
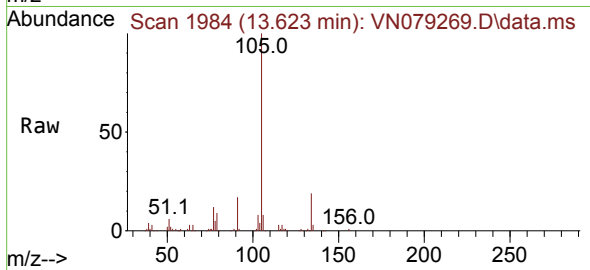
ClientSampleId :

Tgt Ion:105 Resp: 168284

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 18.050 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

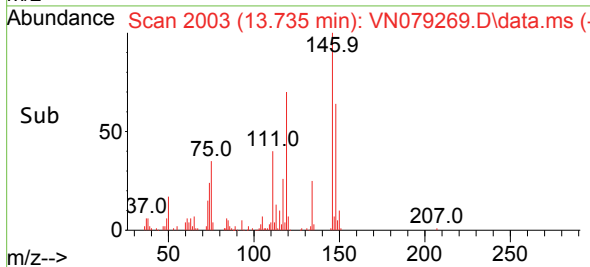
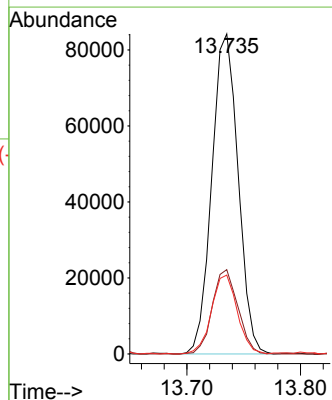
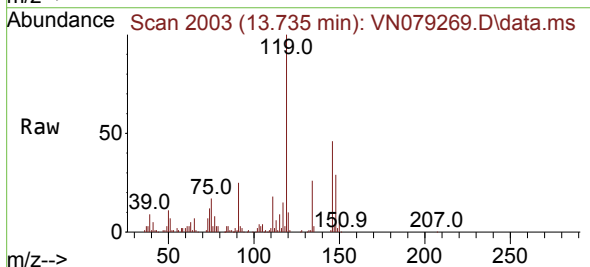
Tgt Ion:119 Resp: 135539

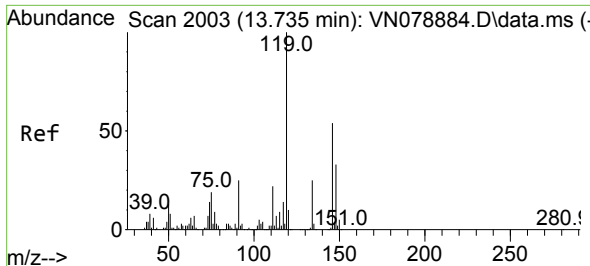
Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

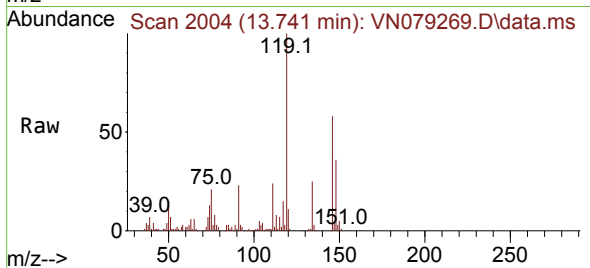
91 24.2 12.4 37.2



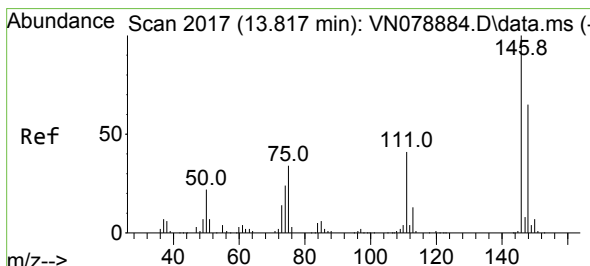
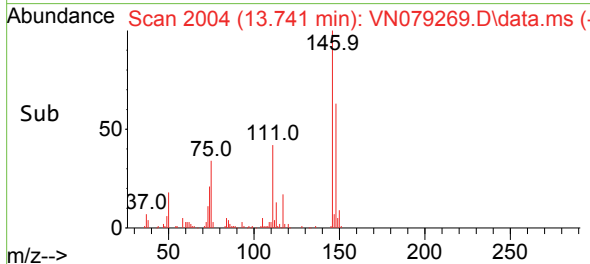
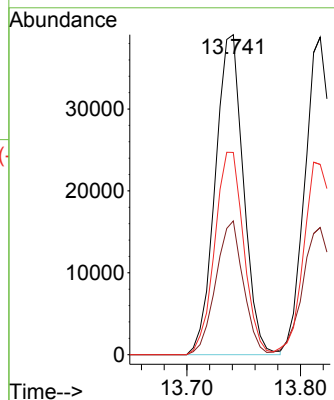


#87  
 1,3-Dichlorobenzene  
 Concen: 16.369 ug/l  
 RT: 13.741 min Scan# 2004  
 Delta R.T. -0.000 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :

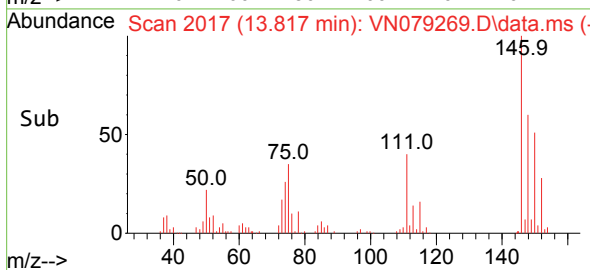
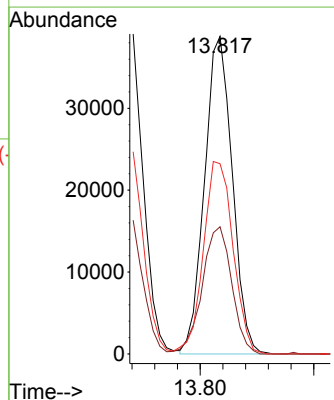
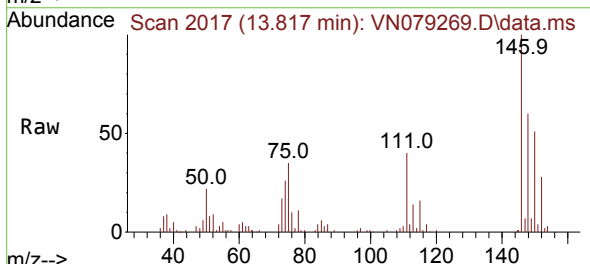


Tgt Ion:146 Resp: 67334  
 Ion Ratio Lower Upper  
 146 100  
 111 40.8 22.1 66.3  
 148 65.1 32.0 96.0

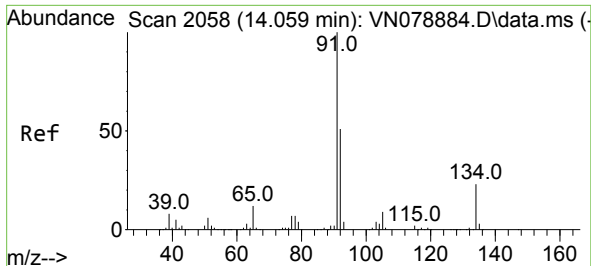


#88  
 1,4-Dichlorobenzene  
 Concen: 15.845 ug/l  
 RT: 13.817 min Scan# 2017  
 Delta R.T. -0.001 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

Tgt Ion:146 Resp: 65860  
 Ion Ratio Lower Upper  
 146 100  
 111 42.7 20.6 61.8  
 148 64.8 31.6 94.8



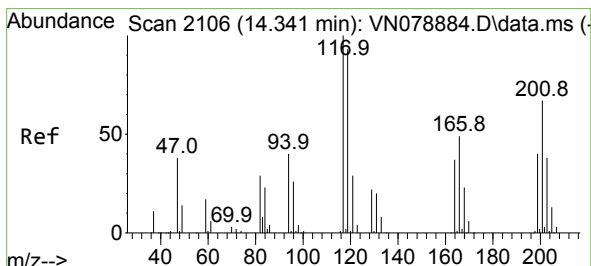
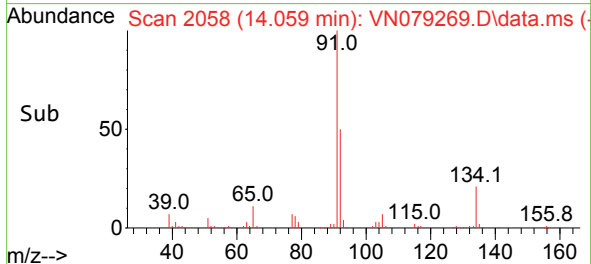
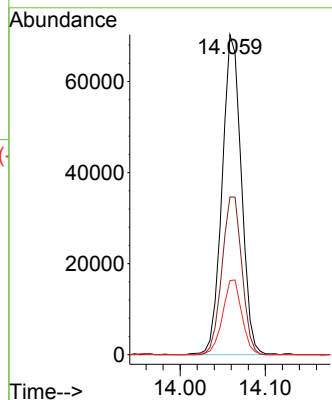
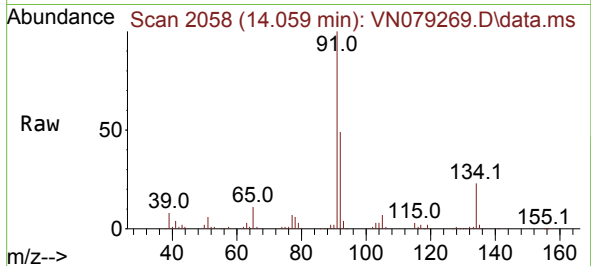




#89  
n-Butylbenzene  
Concen: 18.640 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

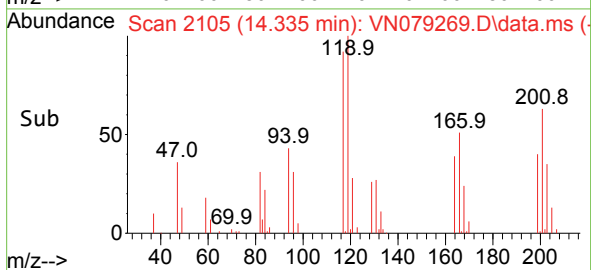
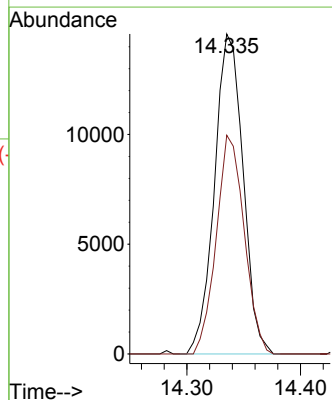
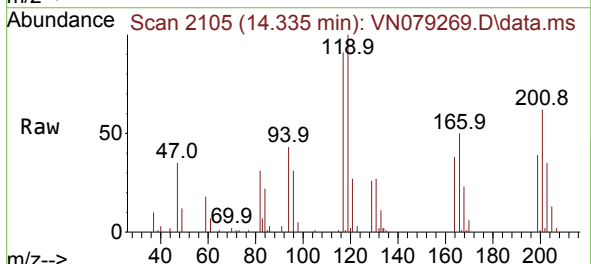
Instrument :  
MSVOA\_N  
ClientSampleId :

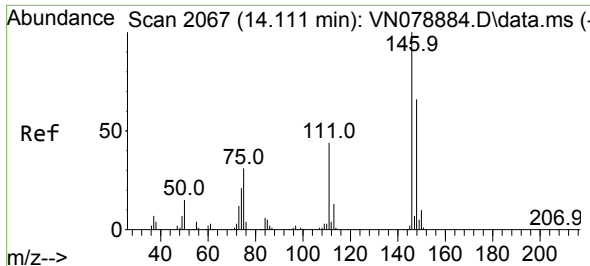
Tgt Ion: 91 Resp: 110072  
Ion Ratio Lower Upper  
91 100  
92 51.1 26.4 79.0  
134 23.6 12.6 37.6



#90  
Hexachloroethane  
Concen: 16.732 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

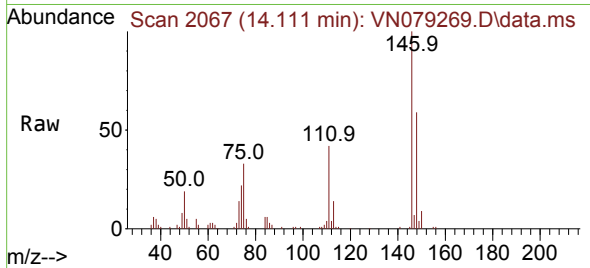
Tgt Ion: 117 Resp: 25515  
Ion Ratio Lower Upper  
117 100  
201 66.8 29.3 88.0



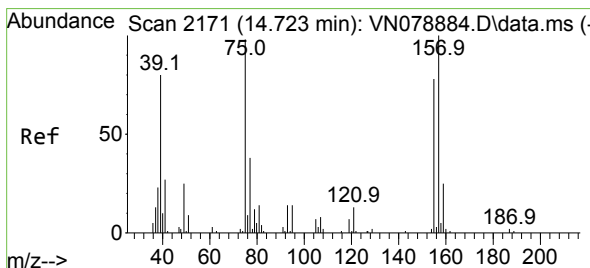
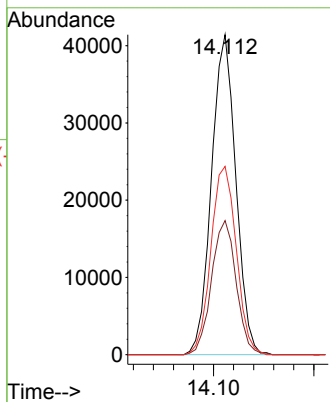
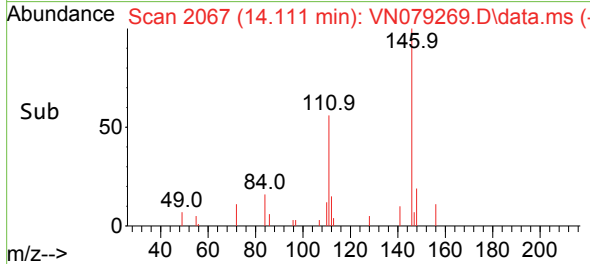


#91  
 1,2-Dichlorobenzene  
 Concen: 17.177 ug/l  
 RT: 14.111 min Scan# 2067  
 Delta R.T. -0.001 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06

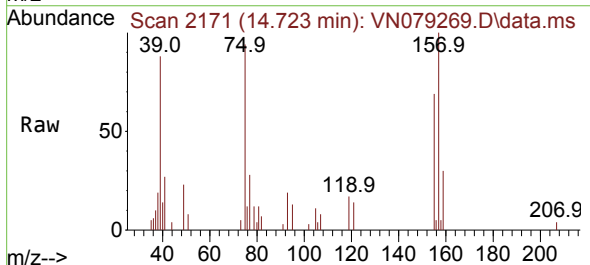
Instrument :  
 MSVOA\_N  
 ClientSampleId :



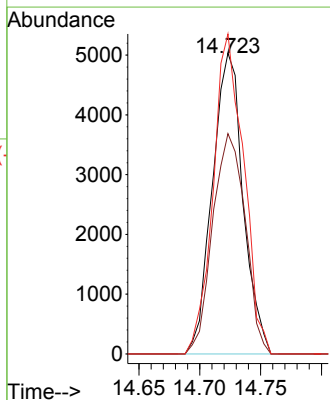
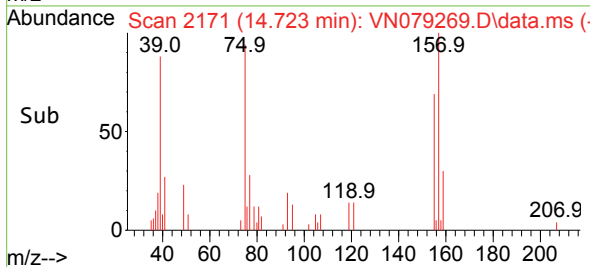
Tgt Ion:146 Resp: 69753  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 22.0 66.0  
 148 61.5 31.8 95.3

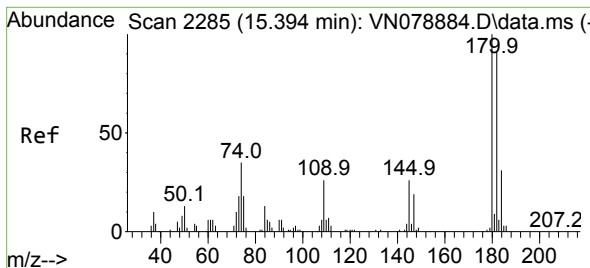


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 15.760 ug/l  
 RT: 14.723 min Scan# 2171  
 Delta R.T. 0.000 min  
 Lab File: VN079269.D  
 Acq: 15 Sep 2023 14:06



Tgt Ion: 75 Resp: 8836  
 Ion Ratio Lower Upper  
 75 100  
 155 77.5 39.1 117.2  
 157 105.6 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 14.329 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN079269.D

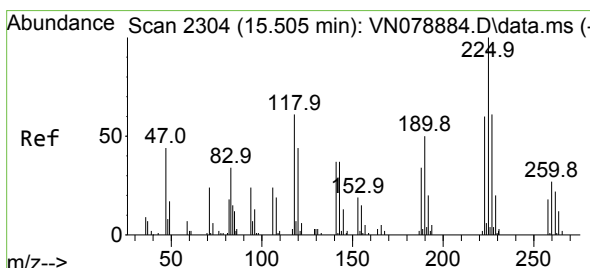
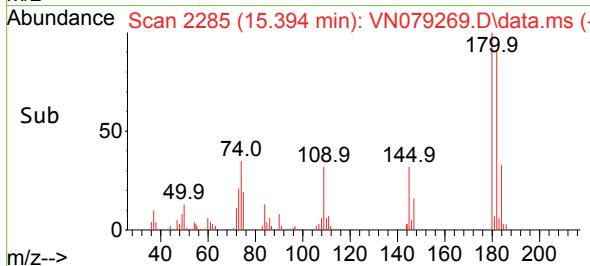
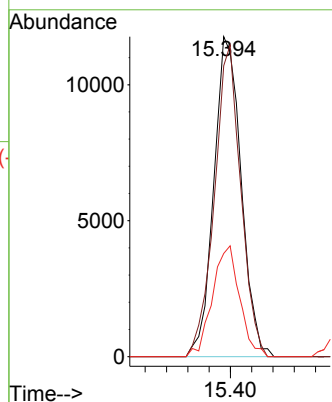
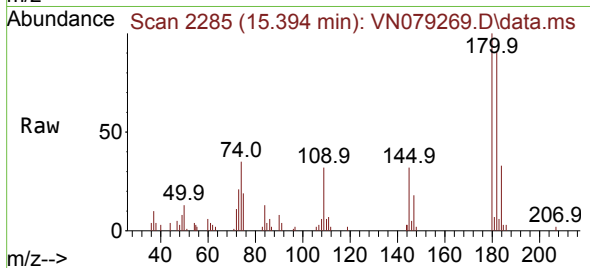
Acq: 15 Sep 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 20910 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.1  | 46.1  | 138.2 |
| 145       | 34.6  | 16.6  | 49.8  |



#94

Hexachlorobutadiene

Concen: 14.209 ug/l

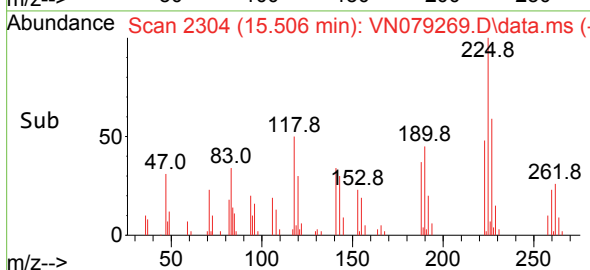
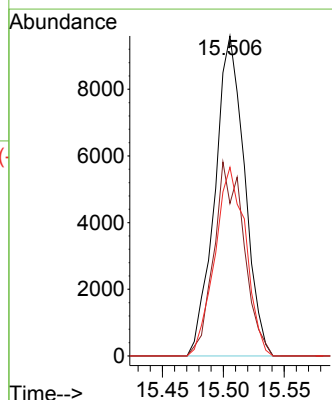
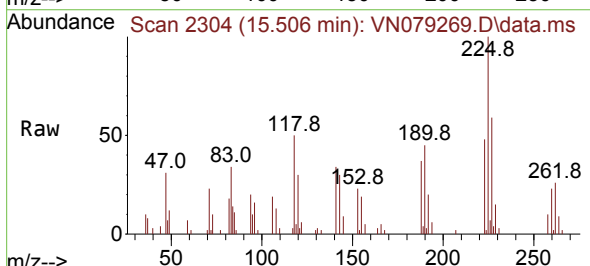
RT: 15.506 min Scan# 2304

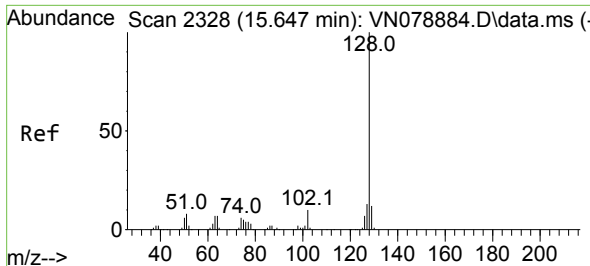
Delta R.T. -0.000 min

Lab File: VN079269.D

Acq: 15 Sep 2023 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 16311 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 61.0  | 31.3  | 93.8  |
| 227       | 61.1  | 31.9  | 95.9  |

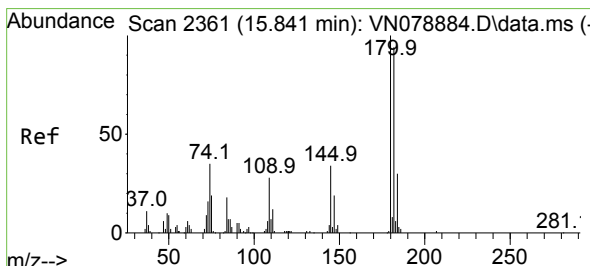
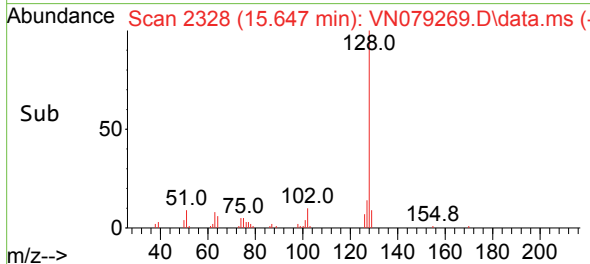
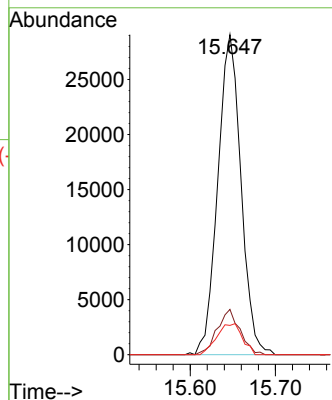
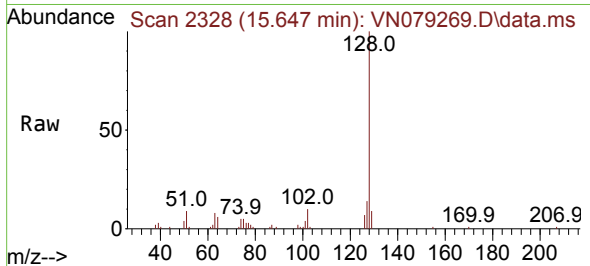




#95  
Naphthalene  
Concen: 12.682 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 54964 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.9  | 10.0  | 15.0  |
| 129       | 10.6  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 14.241 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN079269.D  
Acq: 15 Sep 2023 14:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 24514 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.8  | 46.2  | 138.6 |
| 145       | 32.3  | 17.5  | 52.6  |

