

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050923\  
 Data File : VN077630.D  
 Acq On : 09 May 2023 14:10  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050923

Quant Time: May 10 04:43:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050923W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 09 13:52:31 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 661282   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.101  | 114  | 1177903  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.866 | 117  | 1084691  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.795 | 152  | 465305   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 383394   | 45.715   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.440% |
| 35) Dibromofluoromethane    | 8.172  | 113   | 341896   | 46.540   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.080% |
| 50) Toluene-d8              | 10.566 | 98    | 1343116  | 48.290   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 96.580% |
| 62) 4-Bromofluorobenzene    | 12.854 | 95    | 467550   | 49.702   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 99.400% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.137 | 85  | 375917  | 50.855  | ug/l   | 98  |
| 3) Chloromethane             | 2.372 | 50  | 297263  | 44.613  | ug/l   | 94  |
| 4) Vinyl Chloride            | 2.525 | 62  | 410743  | 46.580  | ug/l   | 97  |
| 5) Bromomethane              | 2.960 | 94  | 337807  | 48.251  | ug/l   | 99  |
| 6) Chloroethane              | 3.131 | 64  | 267030  | 43.672  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.507 | 101 | 731833  | 52.946  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.966 | 74  | 193605  | 47.644  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 4.384 | 101 | 342689  | 49.617  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.595 | 142 | 512495  | 50.494  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 5.531 | 59  | 233178  | 236.352 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 4.348 | 96  | 320655  | 48.859  | ug/l   | 97  |
| 13) Acrolein                 | 4.190 | 56  | 222820  | 233.032 | ug/l   | 96  |
| 14) Allyl chloride           | 5.037 | 41  | 320232  | 49.129  | ug/l # | 88  |
| 15) Acrylonitrile            | 5.725 | 53  | 604776  | 247.834 | ug/l   | 99  |
| 16) Acetone                  | 4.431 | 43  | 458141  | 230.040 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.719 | 76  | 810380  | 51.349  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.031 | 43  | 382289  | 48.424  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.807 | 73  | 1065618 | 49.345  | ug/l   | 95  |
| 20) Methylene Chloride       | 5.284 | 84  | 381754  | 46.255  | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.795 | 96  | 377650  | 50.873  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.678 | 45  | 807273  | 50.169  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.613 | 43  | 2159243 | 242.128 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.578 | 63  | 601267  | 49.291  | ug/l   | 99  |
| 25) 2-Butanone               | 7.483 | 43  | 678012  | 232.922 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.495 | 77  | 596898  | 53.993  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.495 | 96  | 443644  | 49.130  | ug/l   | 97  |
| 28) Bromochloromethane       | 7.819 | 49  | 207475  | 46.614  | ug/l   | 90  |
| 29) Tetrahydrofuran          | 7.842 | 42  | 443921  | 248.266 | ug/l   | 97  |
| 30) Chloroform               | 7.972 | 83  | 728058  | 50.361  | ug/l   | 97  |
| 31) Cyclohexane              | 8.260 | 56  | 517206  | 48.256  | ug/l   | 94  |
| 32) 1,1,1-Trichloroethane    | 8.178 | 97  | 671581  | 50.453  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 8.372 | 75  | 528378  | 52.118  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.566 | 43  | 288297  | 49.733  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 8.366 | 117 | 588457  | 53.131  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.601 | 83  | 708493  | 56.296  | ug/l   | 97  |
| 40) Benzene                  | 8.607 | 78  | 1567155 | 51.098  | ug/l   | 98  |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050923

Quant Time: May 10 04:43:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050923W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 09 13:52:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 161095   | 50.863  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.672  | 62   | 517431   | 50.311  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 511839   | 50.359  | ug/l   | 91       |
| 44) Trichloroethene           | 9.354  | 130  | 411947   | 51.132  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 356058   | 50.490  | ug/l   | 97       |
| 46) Dibromomethane            | 9.713  | 93   | 279162   | 50.890  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.889  | 83   | 569757   | 53.177  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.683  | 41   | 237195   | 49.723  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.695  | 88   | 141742   | 999.103 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 1473294  | 246.393 | ug/l   | 95       |
| 52) Toluene                   | 10.630 | 92   | 1116829  | 54.748  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 610876   | 58.517  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 651447   | 54.850  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 414899   | 52.455  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 538059   | 53.941  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 659052   | 51.834  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.160 | 63   | 1245537  | 302.860 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.195 | 43   | 1082226  | 256.086 | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.360 | 129  | 445171   | 56.695  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 421674   | 54.226  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.107 | 164  | 336877   | 52.184  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.895 | 112  | 1171071  | 52.524  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 411394   | 51.215  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.966 | 91   | 2116369  | 54.067  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 1681438  | 108.491 | ug/l   | 100      |
| 69) o-Xylene                  | 12.401 | 106  | 828736   | 53.349  | ug/l   | 99       |
| 70) Styrene                   | 12.413 | 104  | 1344827  | 56.526  | ug/l   | 99       |
| 71) Bromoform                 | 12.583 | 173  | 267219   | 54.817  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.695 | 105  | 2178933  | 52.493  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.495 | 43   | 463052   | 50.548  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 532752   | 46.688  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 659798   | 68.713  | ug/l   | 78       |
| 77) Bromobenzene              | 12.983 | 156  | 449410   | 48.887  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.036 | 91   | 2472422  | 55.489  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 1456821  | 51.334  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 1815378  | 57.167  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.736 | 75   | 157282   | 52.155  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.224 | 91   | 1429623  | 53.716  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.442 | 119  | 1539239  | 51.583  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 1754916  | 58.805  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 2262527  | 56.325  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 1832590  | 58.342  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 845900   | 52.940  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 837897   | 52.750  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 1574669  | 63.261  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.336 | 117  | 324507   | 53.870  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 822470   | 51.773  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 99568    | 49.305  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 332225   | 49.051  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 189430   | 55.812  | ug/l   | 99       |
| 95) Naphthalene               | 15.642 | 128  | 1117841  | 47.829  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 300964   | 47.837  | ug/l   | 99       |

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Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

Quant Time: May 10 04:43:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N050923W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 09 13:52:31 2023  
Response via : Initial Calibration

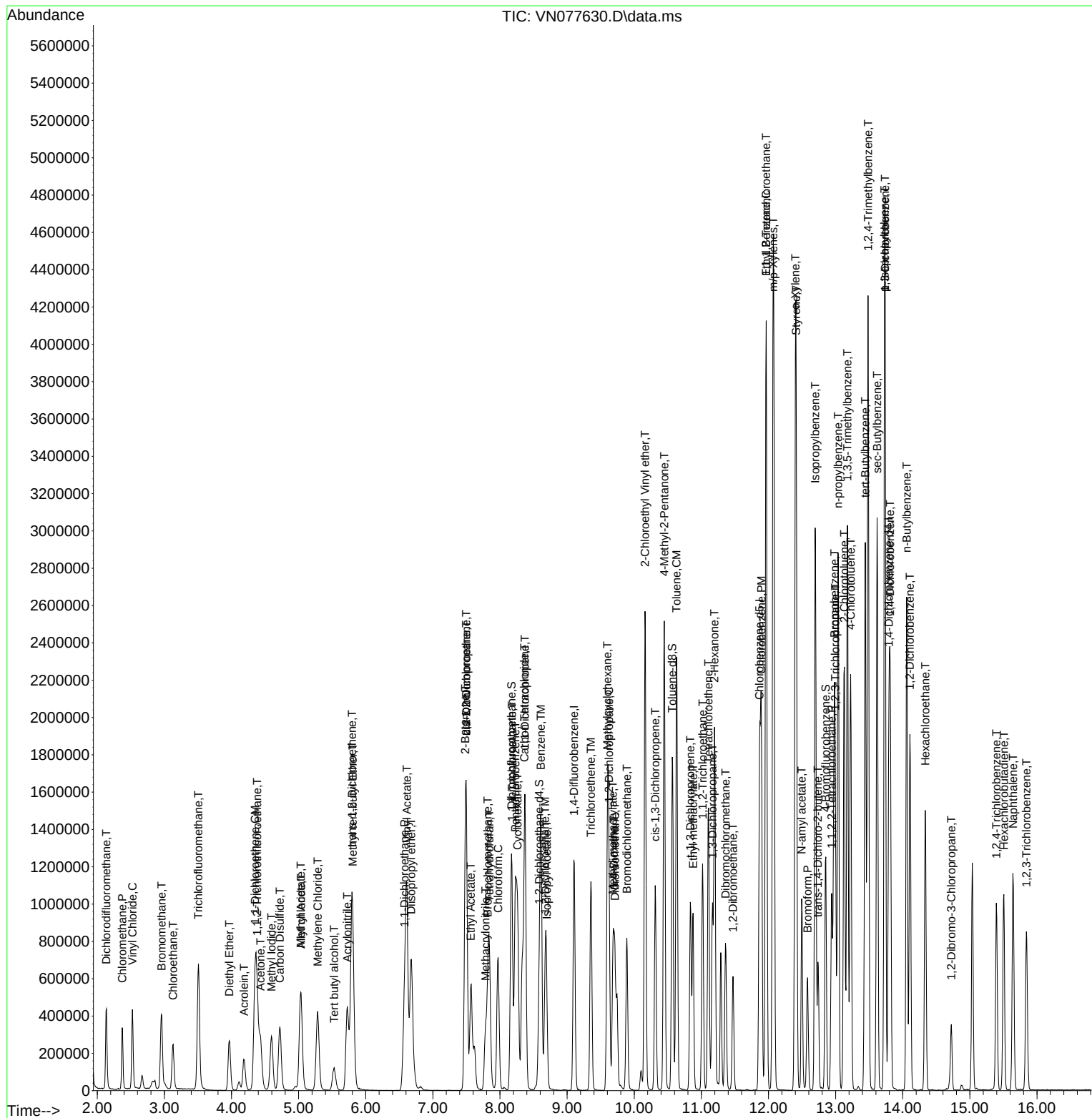
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

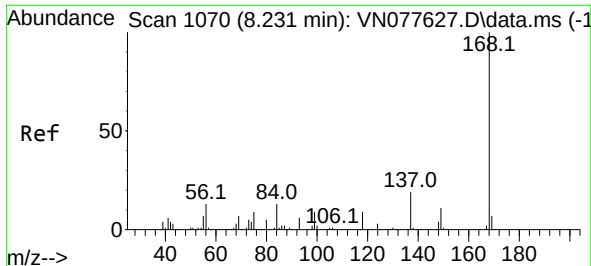
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050923\  
 Data File : VN077630.D  
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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050923

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 Quant Title : SW846 8260  
 QLast Update : Tue May 09 13:52:31 2023  
 Response via : Initial Calibration

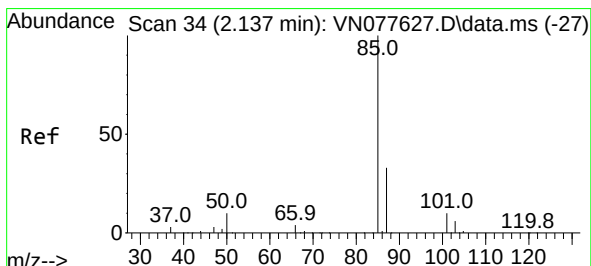
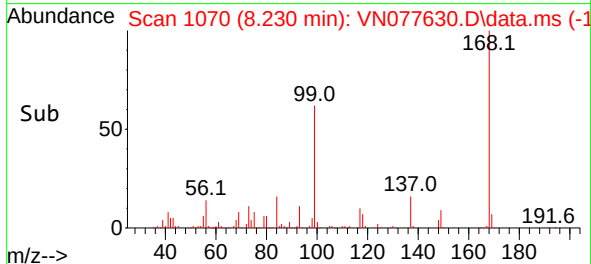
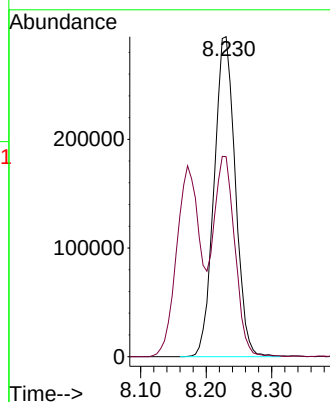
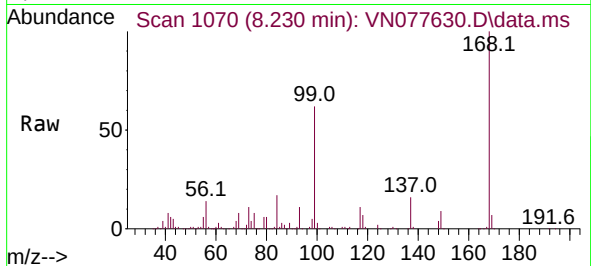




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

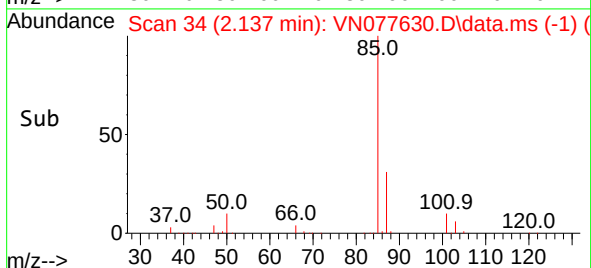
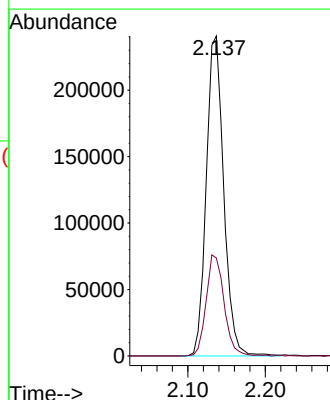
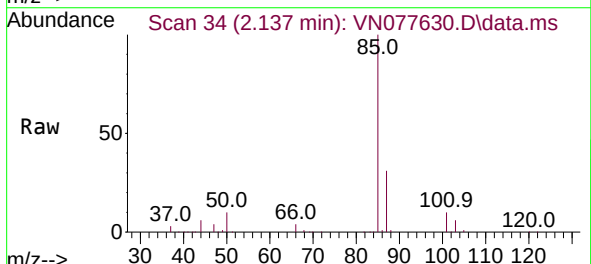
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

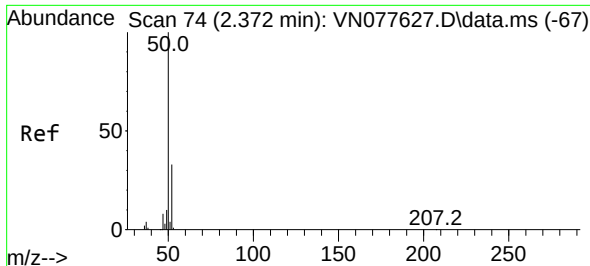
Tgt Ion:168 Resp: 661282  
Ion Ratio Lower Upper  
168 100  
99 62.2 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 50.855 ug/l  
RT: 2.137 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 85 Resp: 375917  
Ion Ratio Lower Upper  
85 100  
87 30.6 15.8 47.4

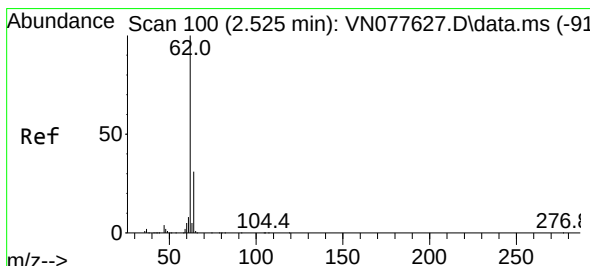
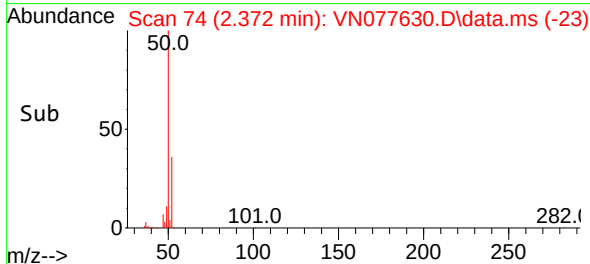
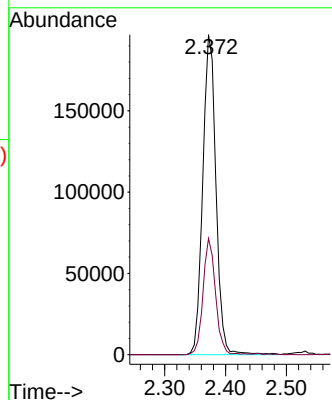
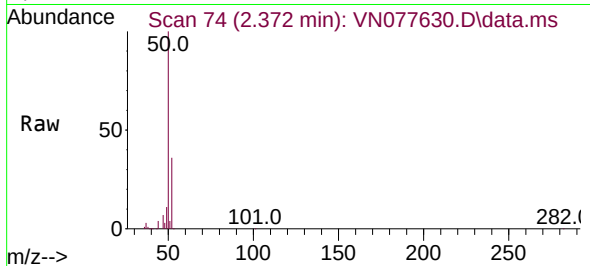




#3  
Chloromethane  
Concen: 44.613 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

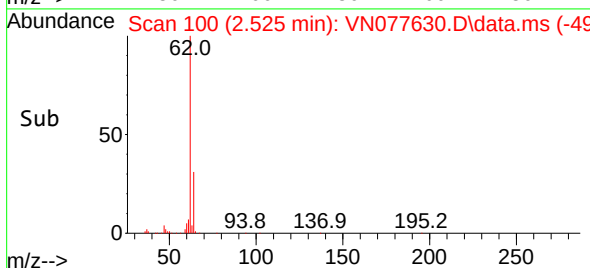
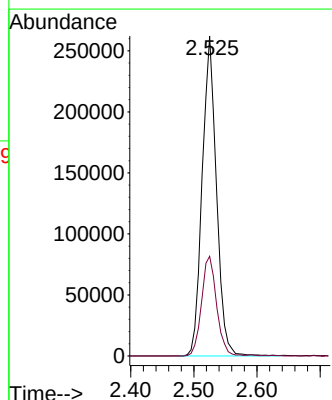
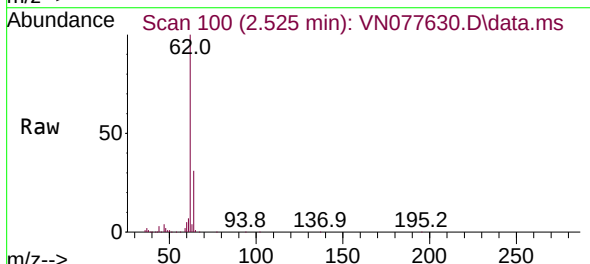
Instrument :  
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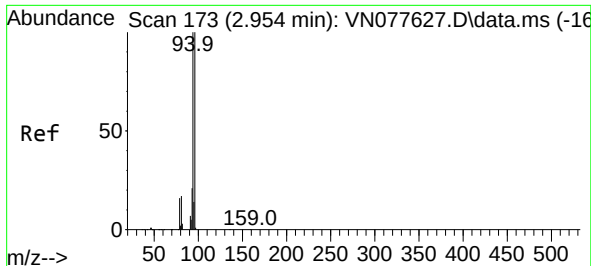
Tgt Ion: 50 Resp: 297263  
Ion Ratio Lower Upper  
50 100  
52 36.4 26.5 39.7



#4  
Vinyl Chloride  
Concen: 46.580 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 62 Resp: 410743  
Ion Ratio Lower Upper  
62 100  
64 31.2 26.2 39.2

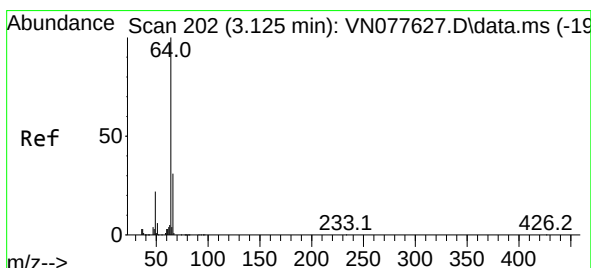
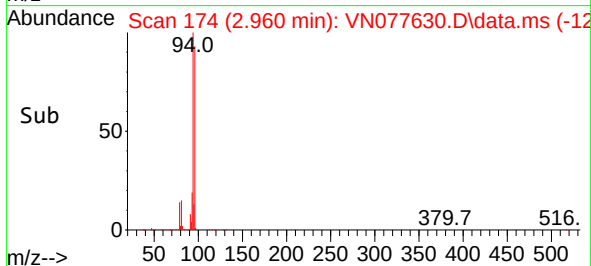
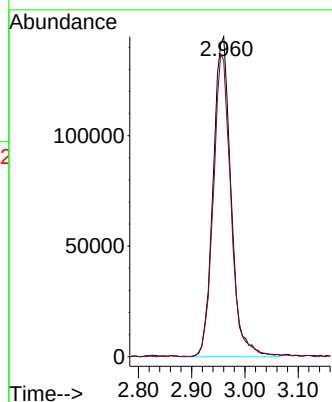
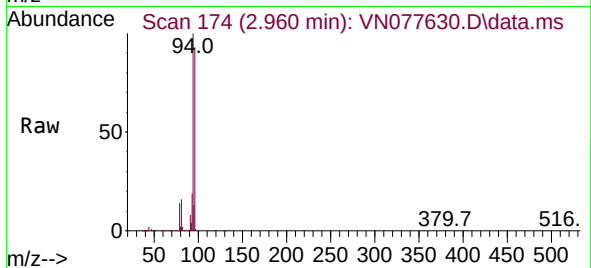




#5  
Bromomethane  
Concen: 48.251 ug/l  
RT: 2.960 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

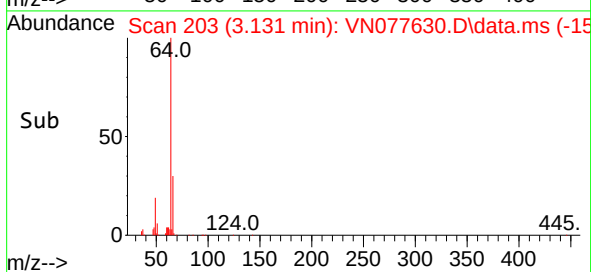
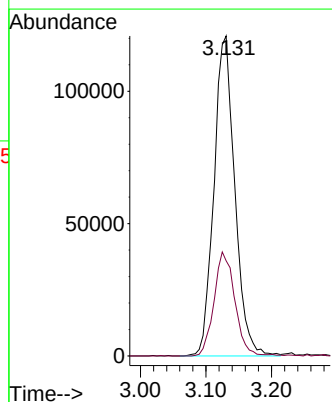
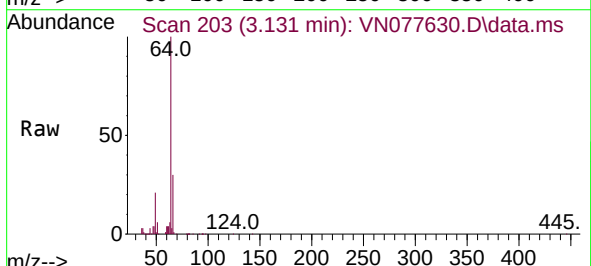
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

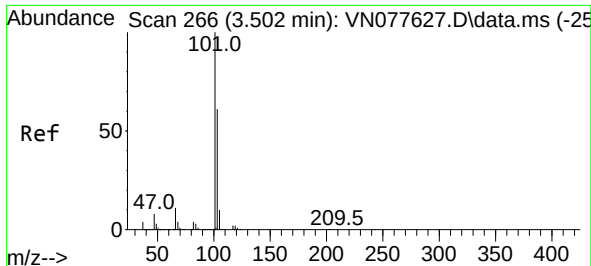
Tgt Ion: 94 Resp: 337807  
Ion Ratio Lower Upper  
94 100  
96 92.5 73.1 109.7



#6  
Chloroethane  
Concen: 43.672 ug/l  
RT: 3.131 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 64 Resp: 267030  
Ion Ratio Lower Upper  
64 100  
66 29.8 25.4 38.2

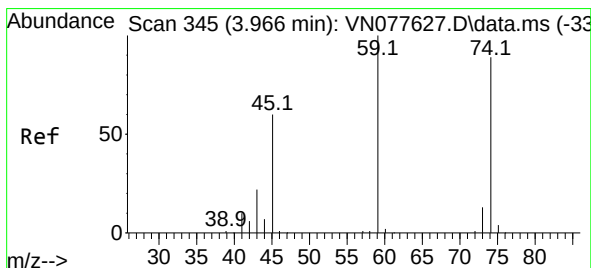
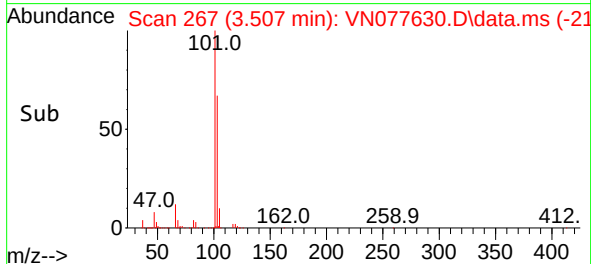
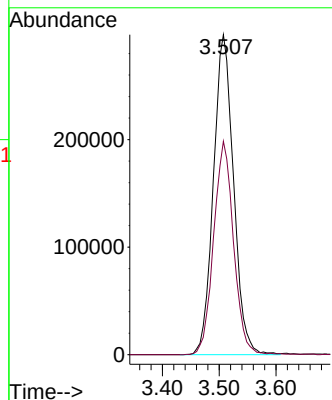
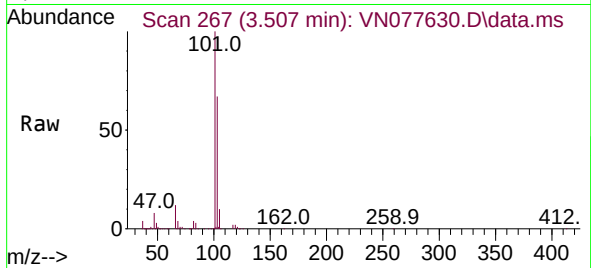




#7  
Trichlorofluoromethane  
Concen: 52.946 ug/l  
RT: 3.507 min Scan# 20  
Delta R.T. 0.005 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

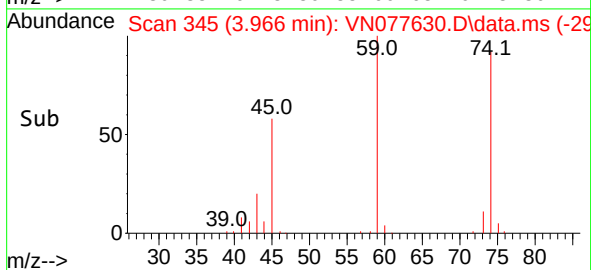
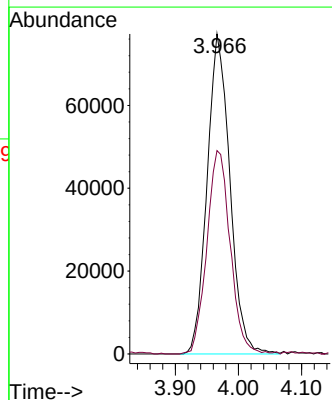
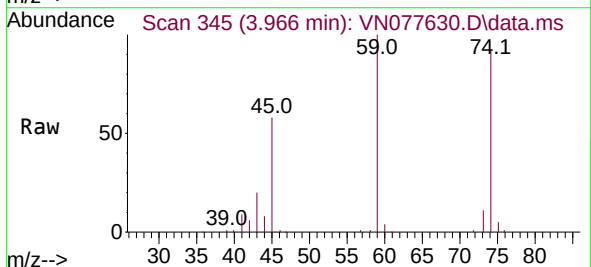
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

Tgt Ion:101 Resp: 731833  
Ion Ratio Lower Upper  
101 100  
103 66.7 50.7 76.1

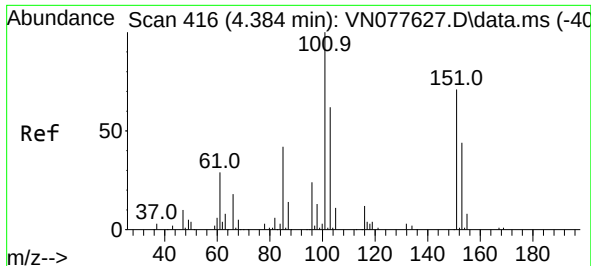


#8  
Diethyl Ether  
Concen: 47.644 ug/l  
RT: 3.966 min Scan# 345  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 74 Resp: 193605  
Ion Ratio Lower Upper  
74 100  
45 65.1 34.4 103.3



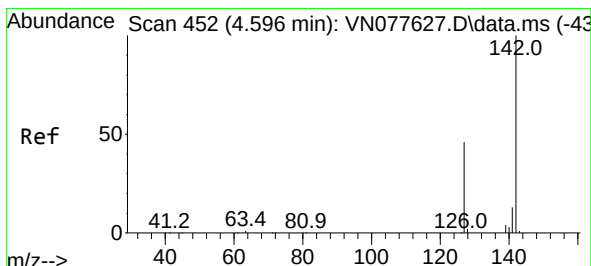
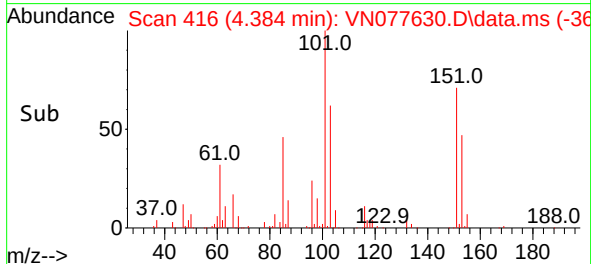
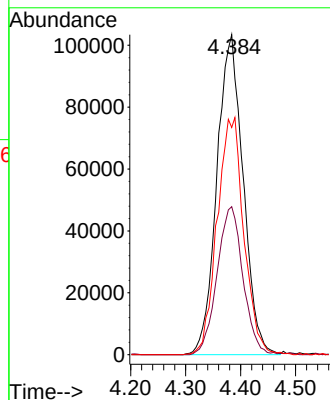
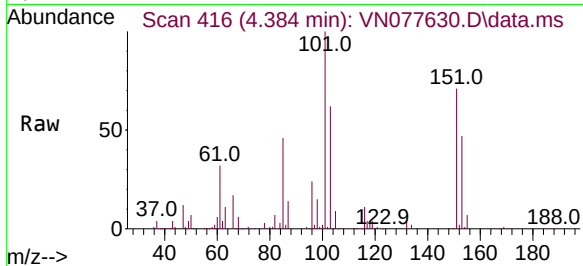




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.617 ug/l  
RT: 4.384 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

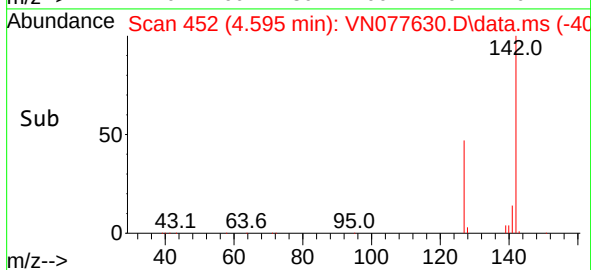
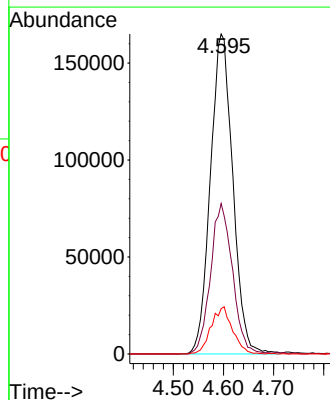
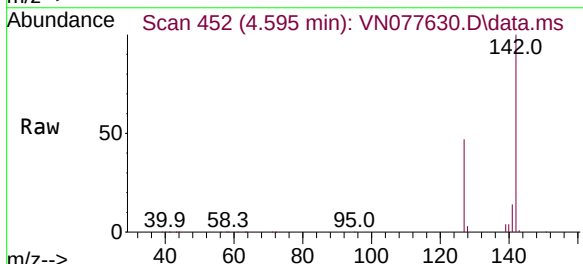
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

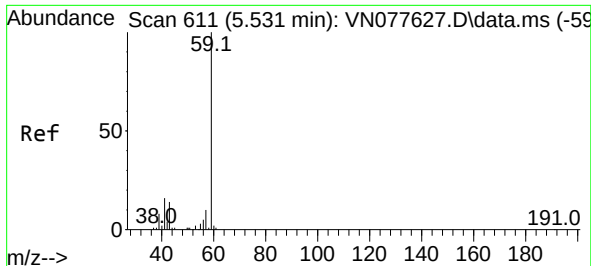
Tgt Ion:101 Resp: 342689  
Ion Ratio Lower Upper  
101 100  
85 45.6 36.6 55.0  
151 75.4 57.6 86.4



#10  
Methyl Iodide  
Concen: 50.494 ug/l  
RT: 4.595 min Scan# 452  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:142 Resp: 512495  
Ion Ratio Lower Upper  
142 100  
127 47.0 37.6 56.4  
141 14.1 11.4 17.0

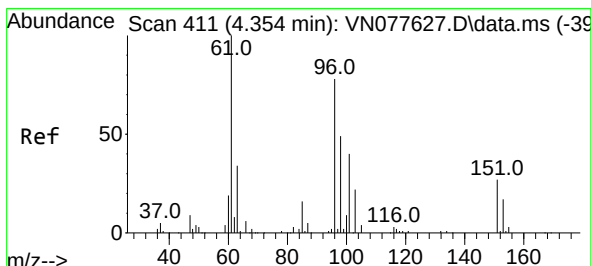
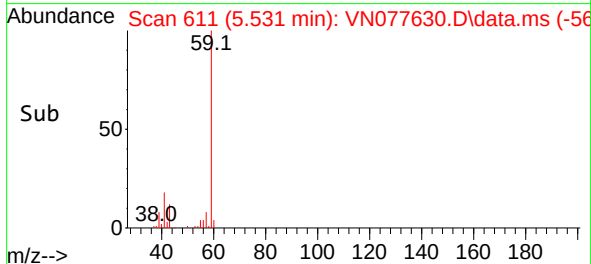
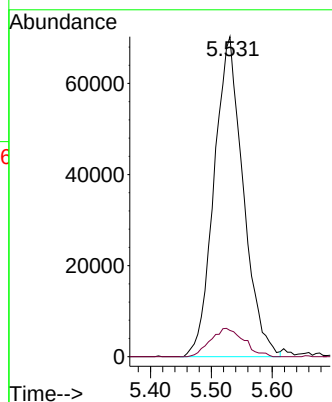
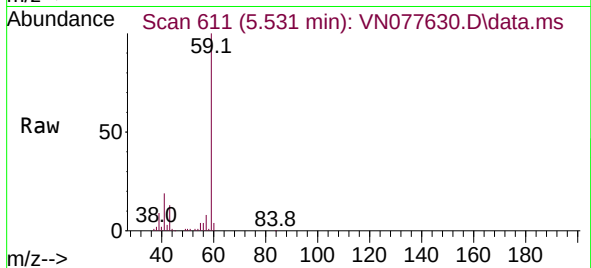




#11  
Tert butyl alcohol  
Concen: 236.352 ug/l  
RT: 5.531 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

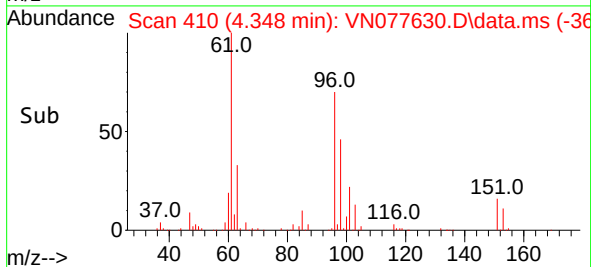
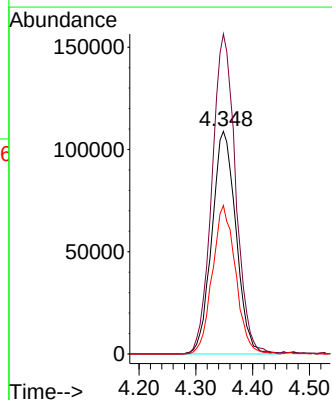
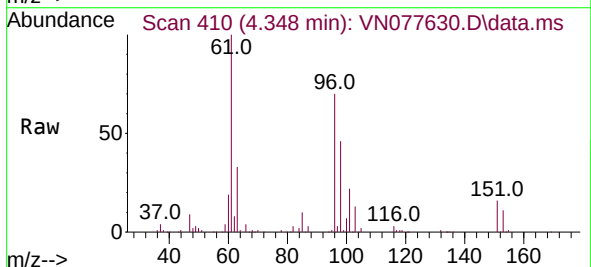
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

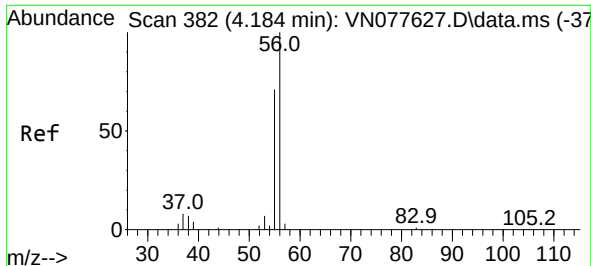
Tgt Ion: 59 Resp: 233178  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 48.859 ug/l  
RT: 4.348 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 96 Resp: 320655  
Ion Ratio Lower Upper  
96 100  
61 143.8 112.7 169.1  
98 66.7 51.2 76.8

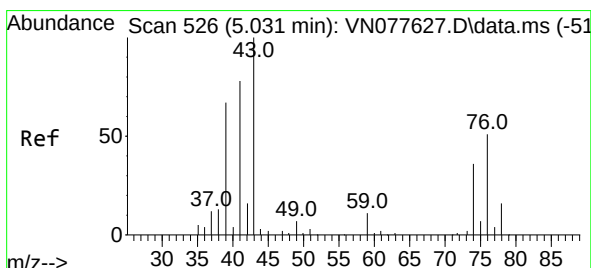
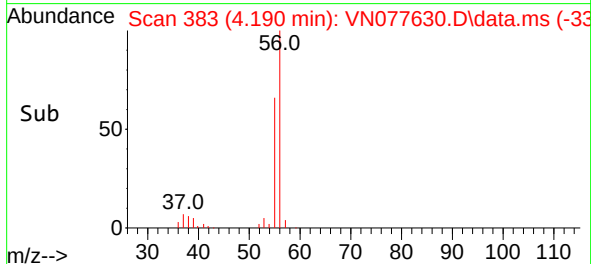
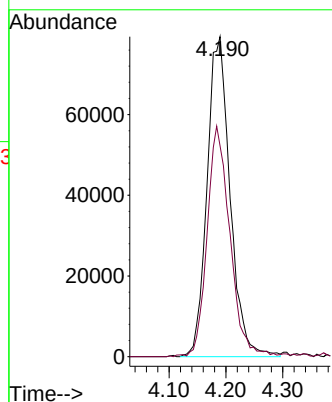
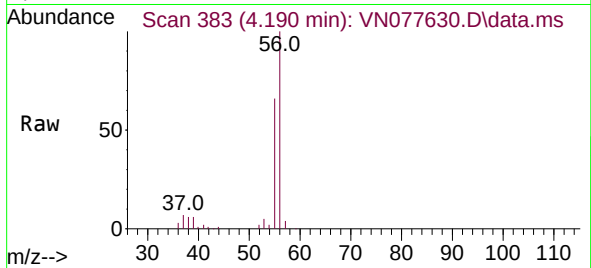




#13  
Acrolein  
Concen: 233.032 ug/l  
RT: 4.190 min Scan# 383  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

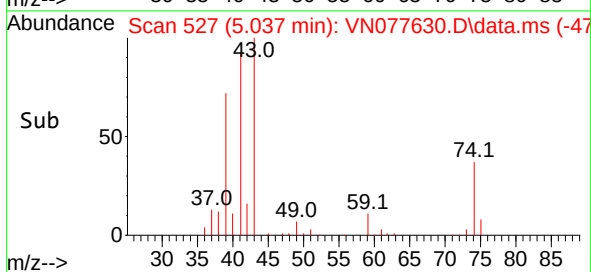
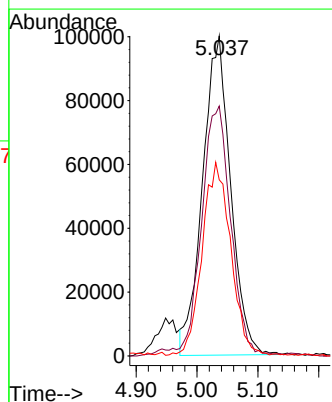
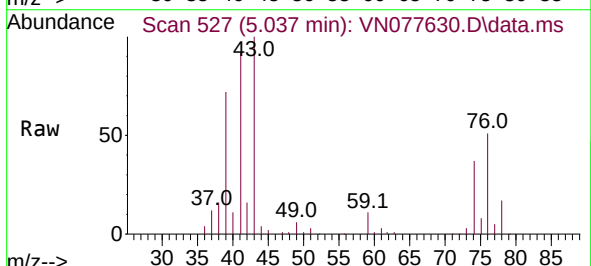
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

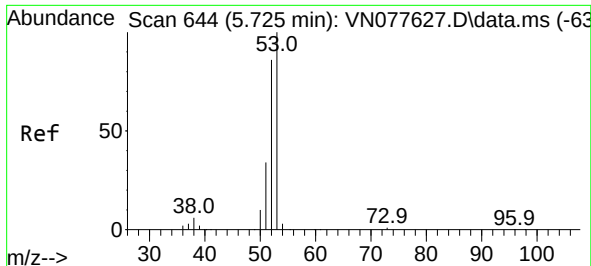
Tgt Ion: 56 Resp: 222820  
Ion Ratio Lower Upper  
56 100  
55 71.3 54.5 81.7



#14  
Allyl chloride  
Concen: 49.129 ug/l  
RT: 5.037 min Scan# 527  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 41 Resp: 320232  
Ion Ratio Lower Upper  
41 100  
39 80.4 58.8 88.2  
76 60.8 39.1 58.7#

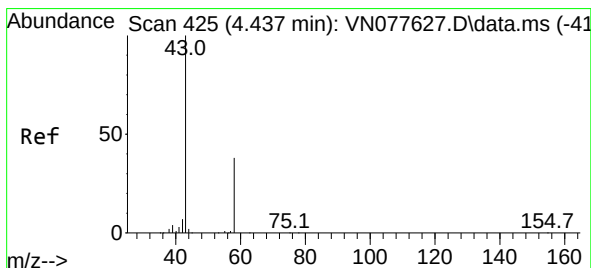
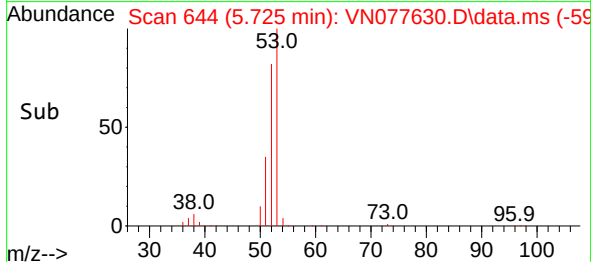
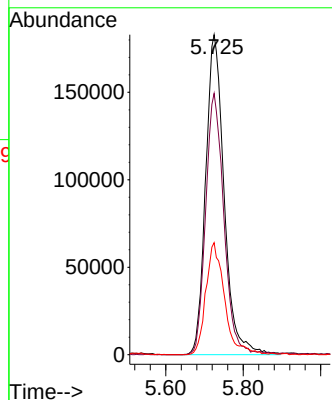
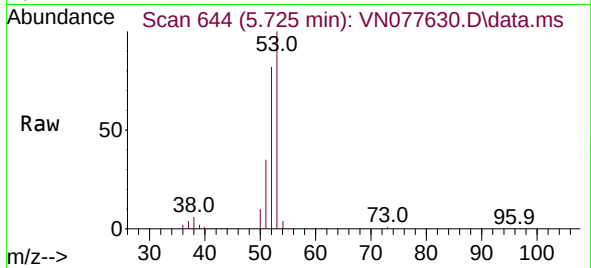




#15  
Acrylonitrile  
Concen: 247.834 ug/l  
RT: 5.725 min Scan# 644  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

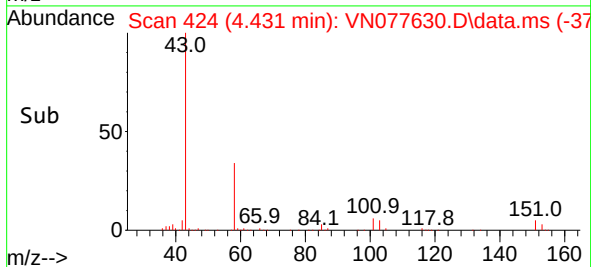
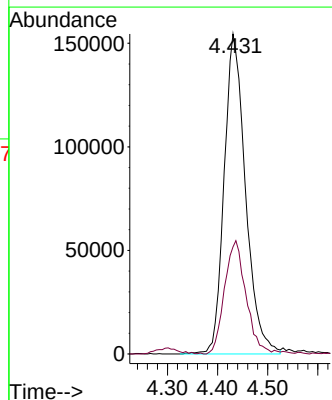
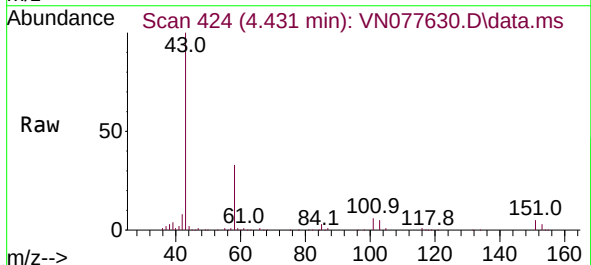
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

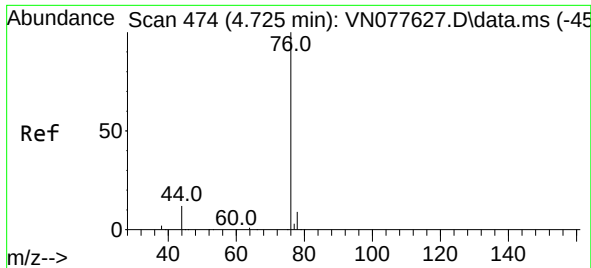
Tgt Ion: 53 Resp: 604776  
Ion Ratio Lower Upper  
53 100  
52 80.5 65.3 97.9  
51 35.5 28.9 43.3



#16  
Acetone  
Concen: 230.040 ug/l  
RT: 4.431 min Scan# 424  
Delta R.T. -0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 43 Resp: 458141  
Ion Ratio Lower Upper  
43 100  
58 32.8 28.0 42.0

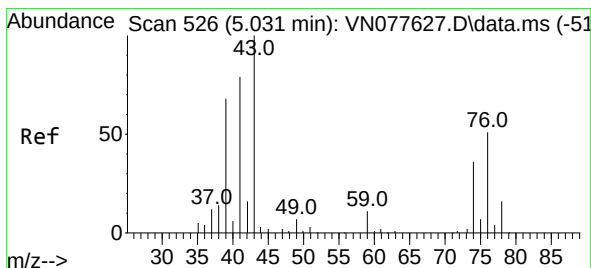
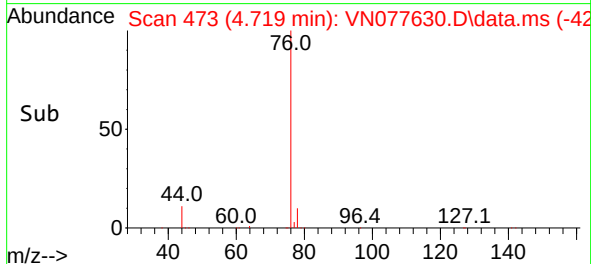
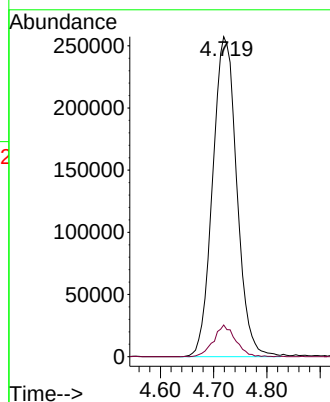
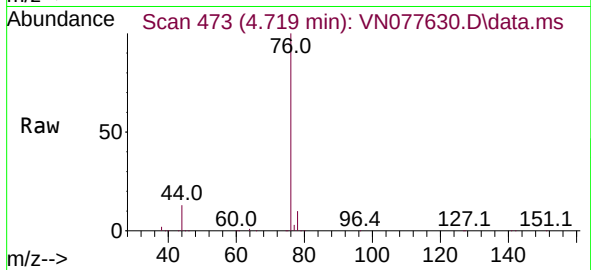




#17  
Carbon Disulfide  
Concen: 51.349 ug/l  
RT: 4.719 min Scan# 473  
Delta R.T. -0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

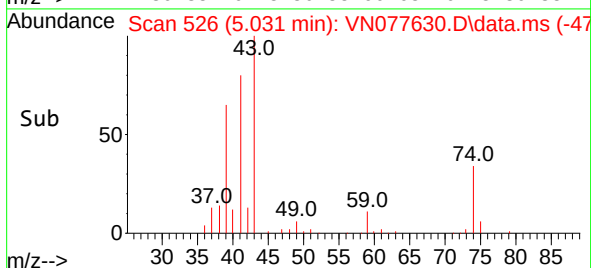
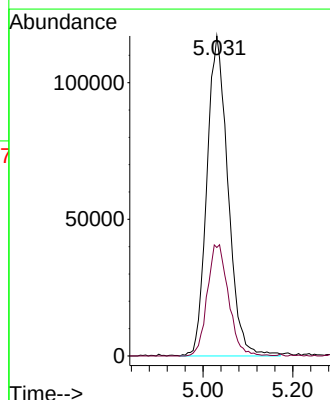
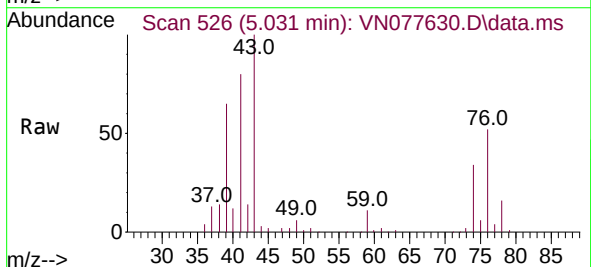
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

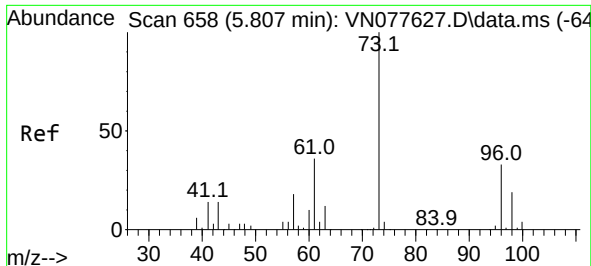
Tgt Ion: 76 Resp: 810380  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.4 11.0



#18  
Methyl Acetate  
Concen: 48.424 ug/l  
RT: 5.031 min Scan# 526  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 43 Resp: 382289  
Ion Ratio Lower Upper  
43 100  
74 35.1 26.2 39.4





#19

Methyl tert-butyl Ether

Concen: 49.345 ug/l

RT: 5.807 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

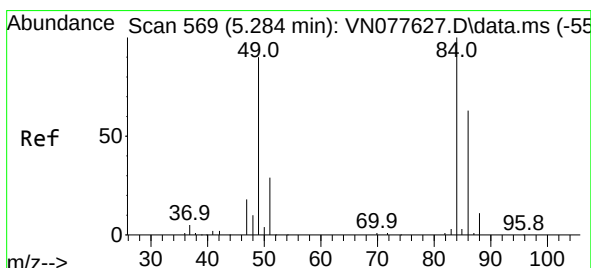
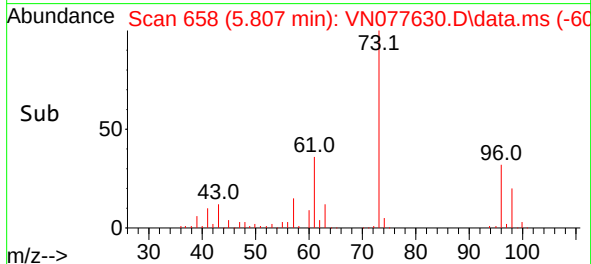
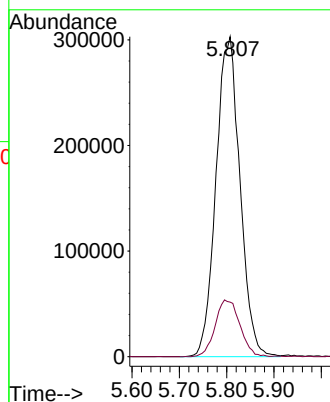
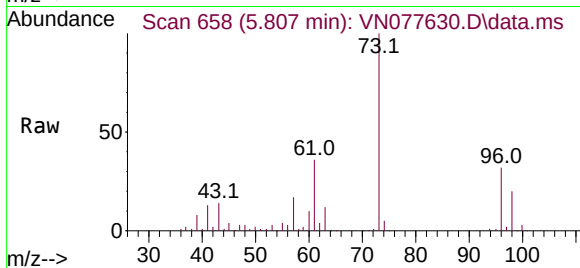
ICVVN050923

Tgt Ion: 73 Resp: 1065618

Ion Ratio Lower Upper

73 100

57 17.0 15.6 23.4



#20

Methylene Chloride

Concen: 46.255 ug/l

RT: 5.284 min Scan# 569

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Tgt Ion: 84 Resp: 381754

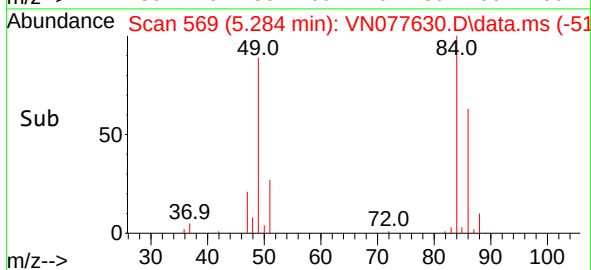
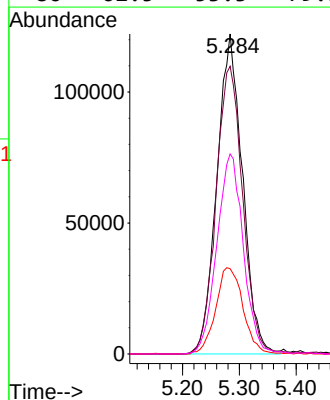
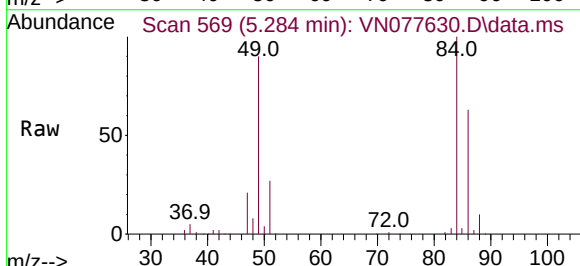
Ion Ratio Lower Upper

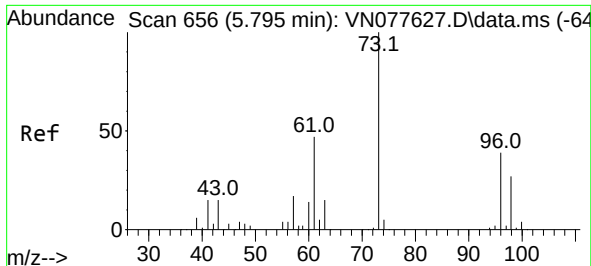
84 100

49 89.9 79.7 119.5

51 26.7 25.2 37.8

86 62.5 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 50.873 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

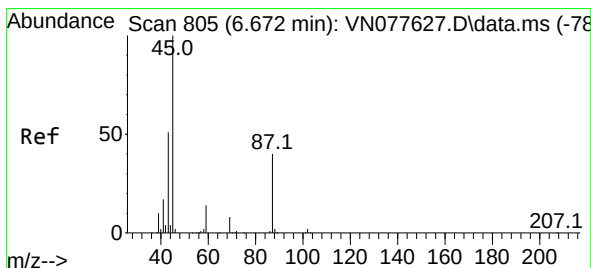
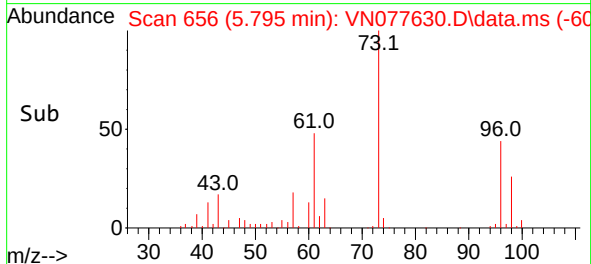
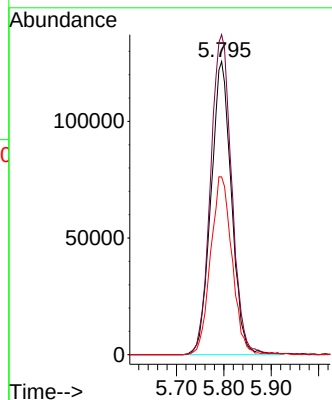
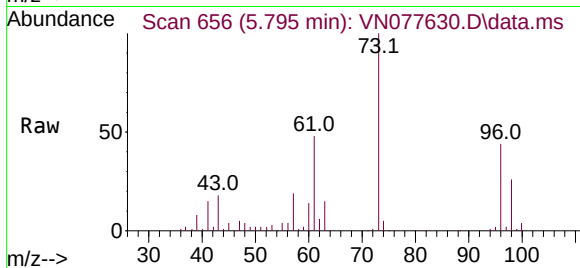
Tgt Ion: 96 Resp: 377650

Ion Ratio Lower Upper

96 100

61 109.2 90.1 135.1

98 60.7 46.4 69.6



#22

Diisopropyl ether

Concen: 50.169 ug/l

RT: 6.678 min Scan# 806

Delta R.T. 0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Tgt Ion: 45 Resp: 807273

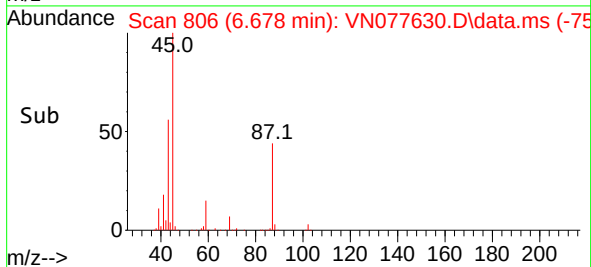
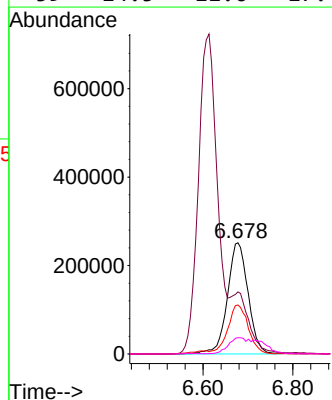
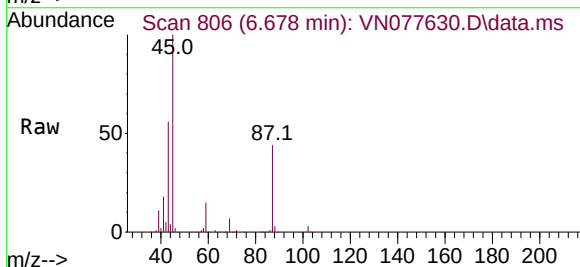
Ion Ratio Lower Upper

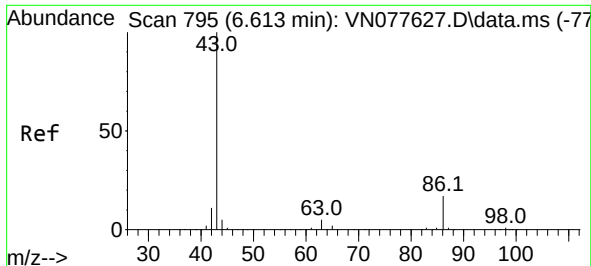
45 100

43 54.9 45.5 68.3

87 43.8 31.8 47.8

59 14.5 11.6 17.4

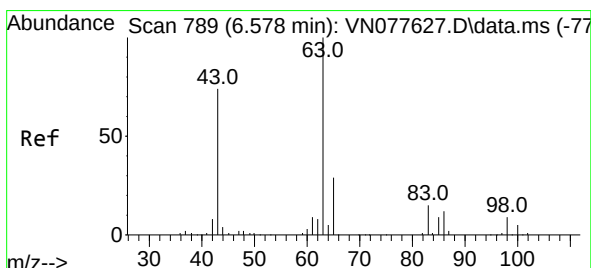
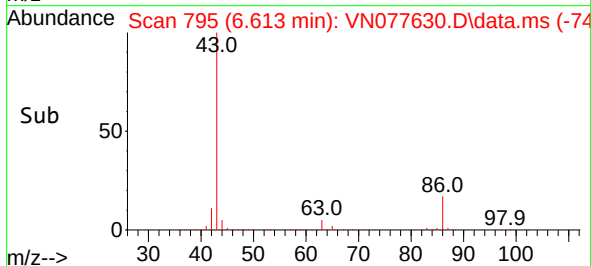
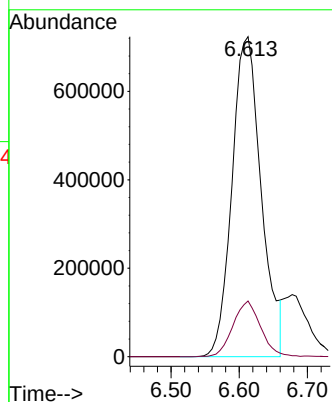
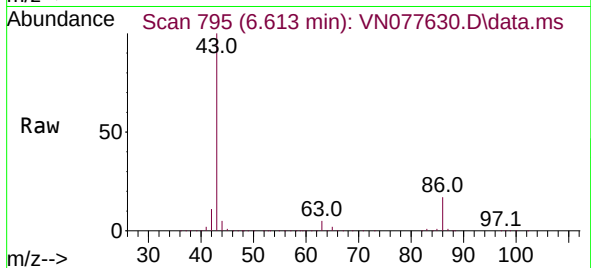




#23  
 Vinyl Acetate  
 Concen: 242.128 ug/l  
 RT: 6.613 min Scan# 795  
 Delta R.T. -0.000 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

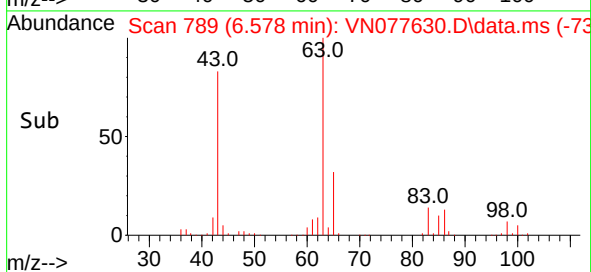
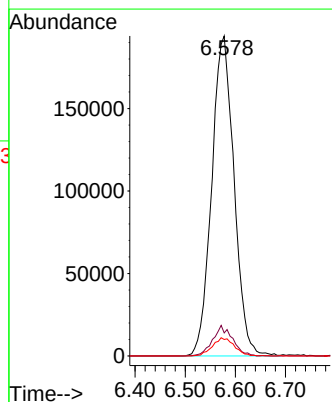
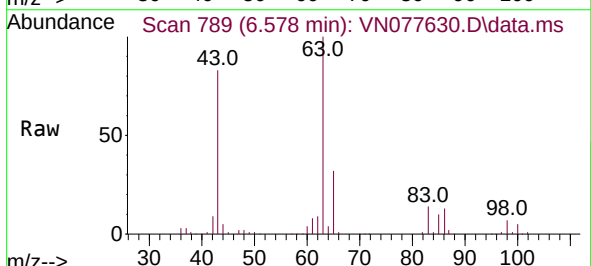
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050923

Tgt Ion: 43 Resp: 2159243  
 Ion Ratio Lower Upper  
 43 100  
 86 17.4 13.0 19.6

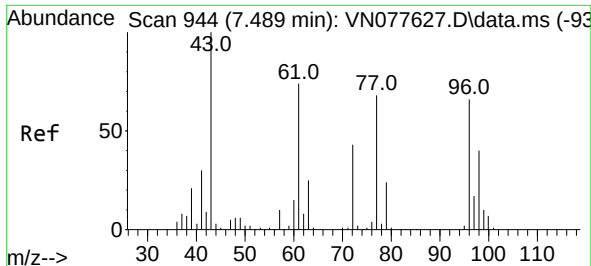


#24  
 1,1-Dichloroethane  
 Concen: 49.291 ug/l  
 RT: 6.578 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

Tgt Ion: 63 Resp: 601267  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.9 11.7  
 100 5.2 2.5 7.4







#25

2-Butanone

Concen: 232.922 ug/l

RT: 7.483 min Scan# 943

Delta R.T. -0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

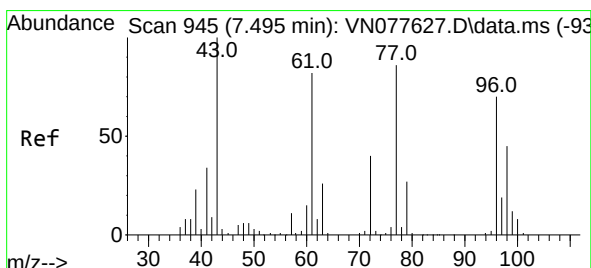
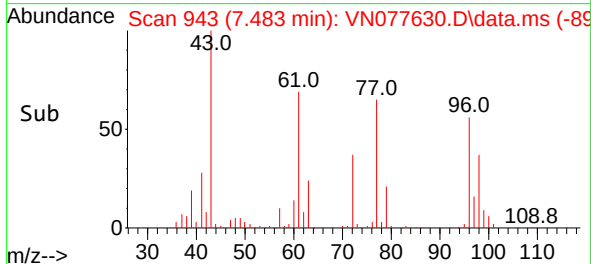
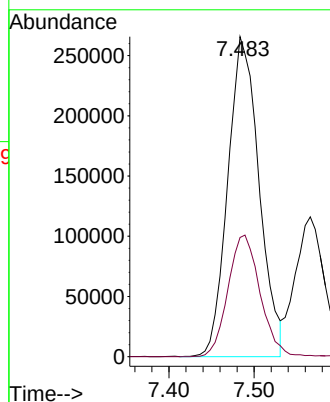
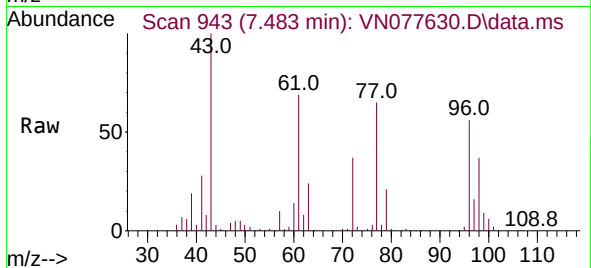
ICVVN050923

Tgt Ion: 43 Resp: 678012

Ion Ratio Lower Upper

43 100

72 37.2 30.2 45.2



#26

2,2-Dichloropropane

Concen: 53.993 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077630.D

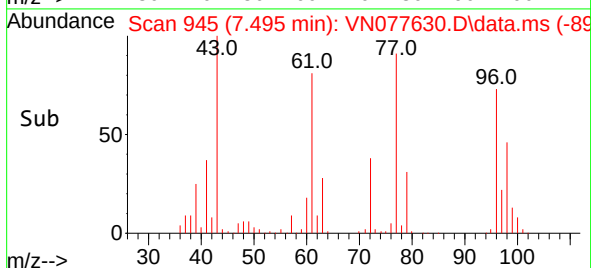
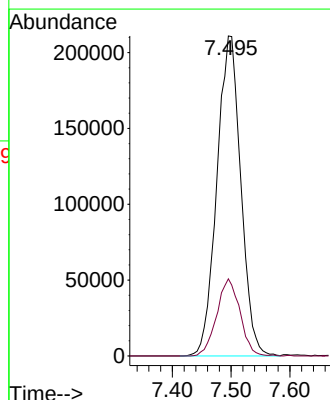
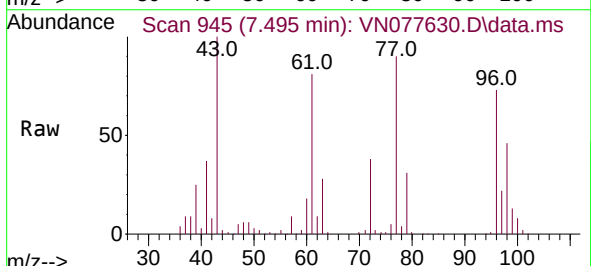
Acq: 09 May 2023 14:10

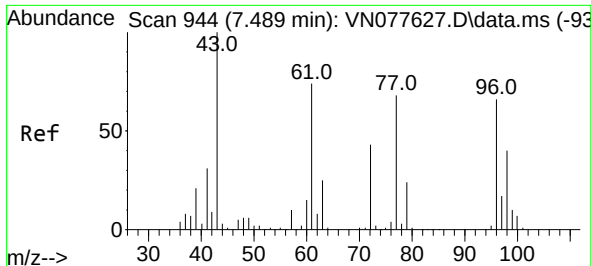
Tgt Ion: 77 Resp: 596898

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6



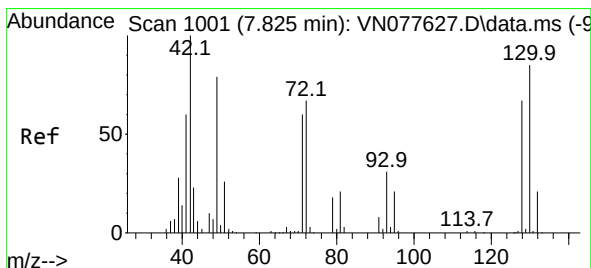
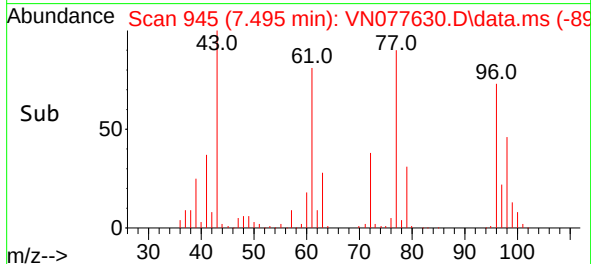
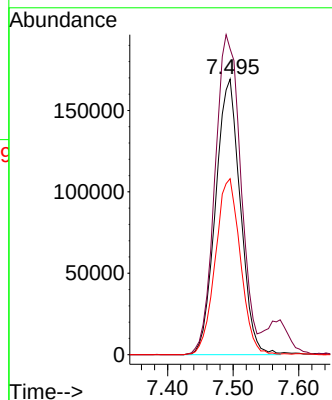
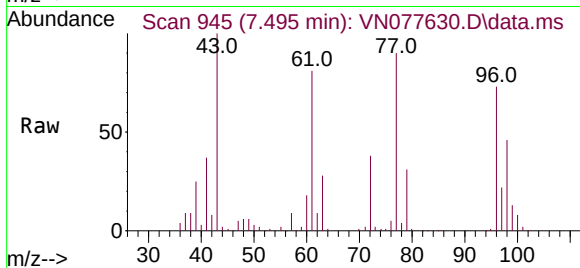


#27  
 cis-1,2-Dichloroethene  
 Concen: 49.130 ug/l  
 RT: 7.495 min Scan# 944  
 Delta R.T. 0.006 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN050923

Tgt Ion: 96 Resp: 443644  

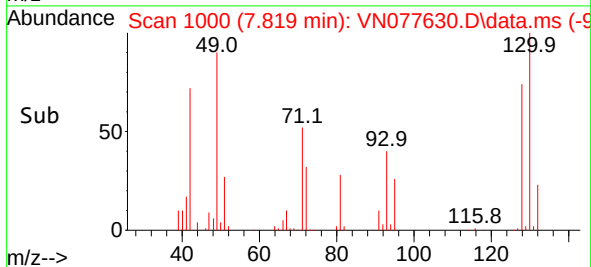
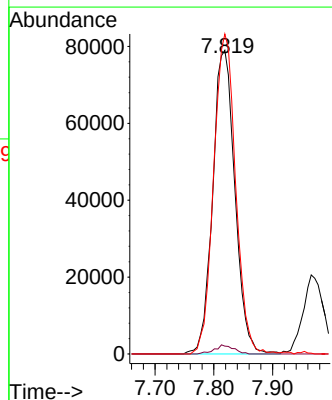
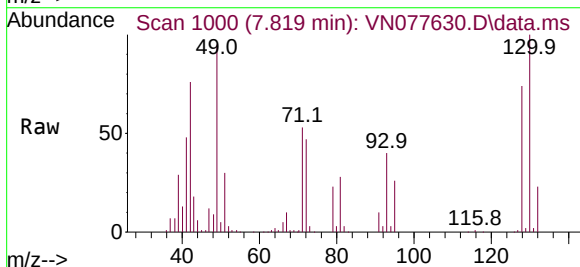
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.8 | 0.0   | 255.2 |
| 98  | 64.8  | 0.0   | 128.8 |

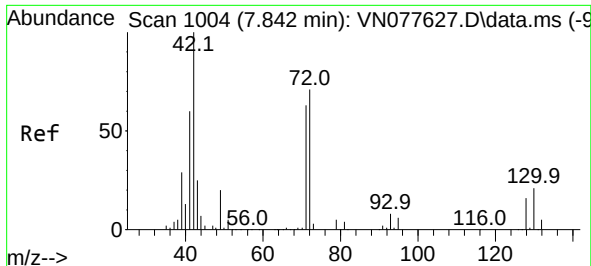


#28  
 Bromochloromethane  
 Concen: 46.614 ug/l  
 RT: 7.819 min Scan# 1000  
 Delta R.T. -0.006 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

Tgt Ion: 49 Resp: 207475  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.5   | 0.0   | 4.8   |
| 130 | 104.2 | 75.3  | 112.9 |





#29

Tetrahydrofuran

Concen: 248.266 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

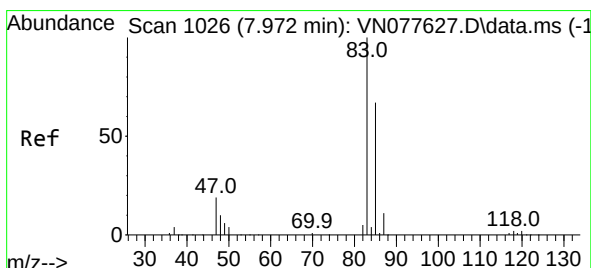
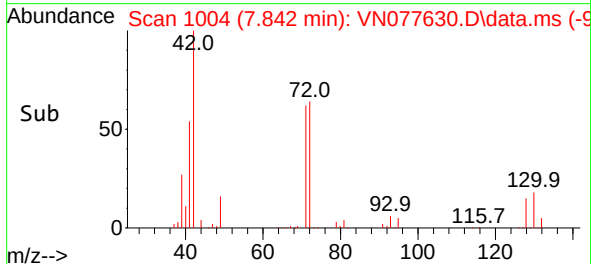
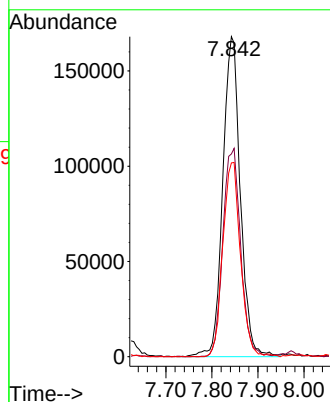
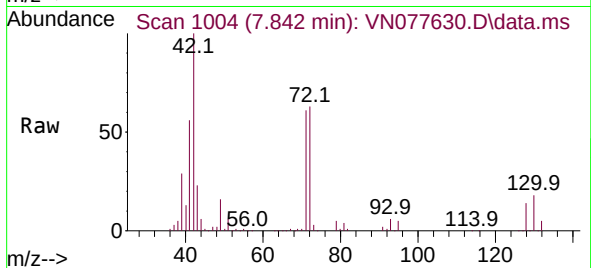
Tgt Ion: 42 Resp: 443921

Ion Ratio Lower Upper

42 100

72 65.8 49.8 74.6

71 60.8 47.4 71.2



#30

Chloroform

Concen: 50.361 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077630.D

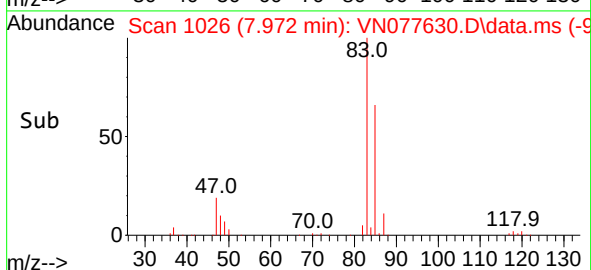
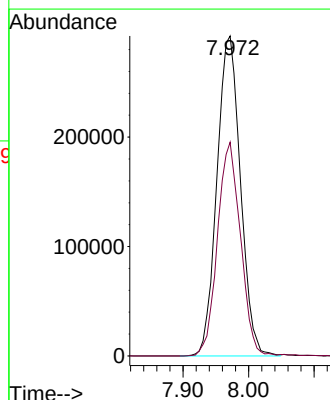
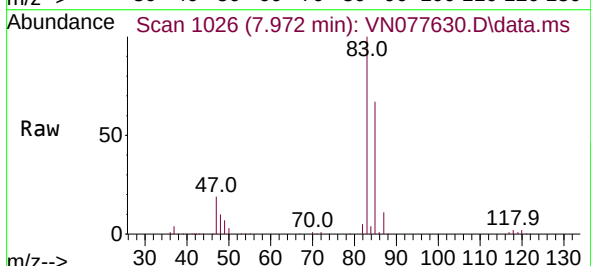
Acq: 09 May 2023 14:10

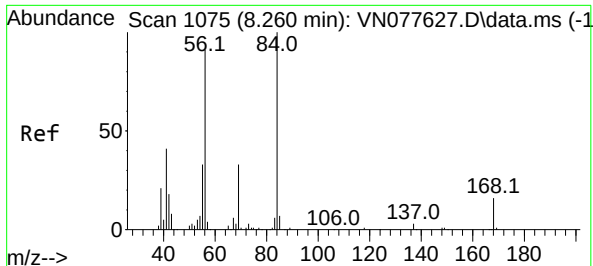
Tgt Ion: 83 Resp: 728058

Ion Ratio Lower Upper

83 100

85 66.8 55.4 83.0

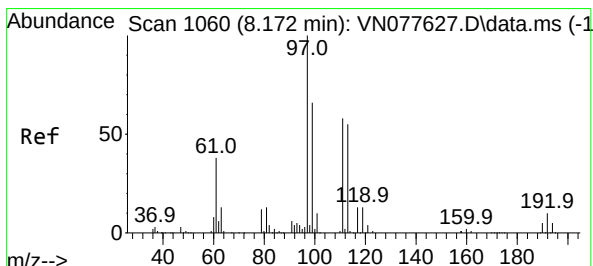
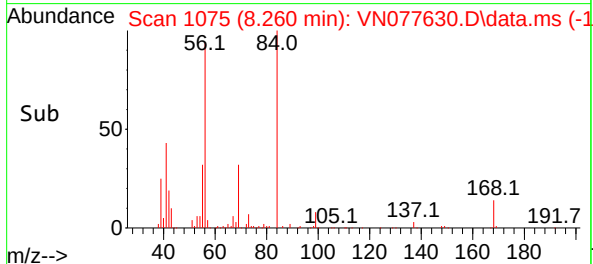
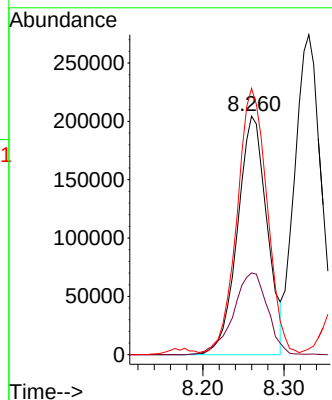
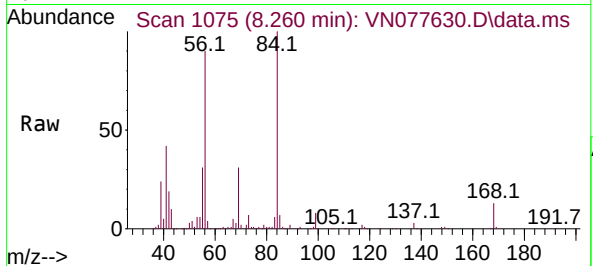




#31  
Cyclohexane  
Concen: 48.256 ug/l  
RT: 8.260 min Scan# 1075  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

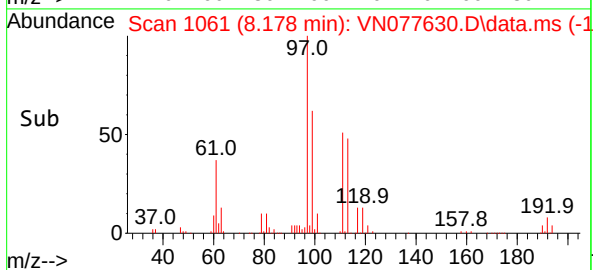
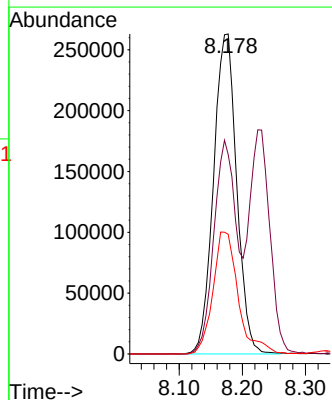
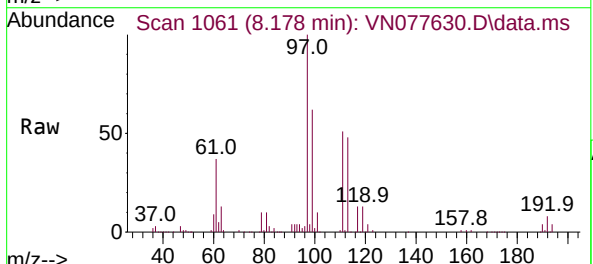
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

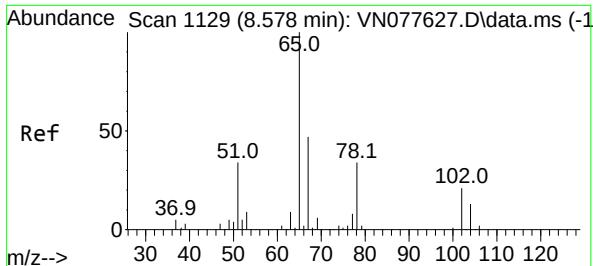
Tgt Ion: 56 Resp: 517206  
Ion Ratio Lower Upper  
56 100  
69 34.3 26.8 40.2  
84 109.7 81.8 122.6



#32  
1,1,1-Trichloroethane  
Concen: 50.453 ug/l  
RT: 8.178 min Scan# 1061  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 97 Resp: 671581  
Ion Ratio Lower Upper  
97 100  
99 65.8 50.3 75.5  
61 41.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 45.715 ug/l

RT: 8.583 min Scan# 1129

Delta R.T. 0.005 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

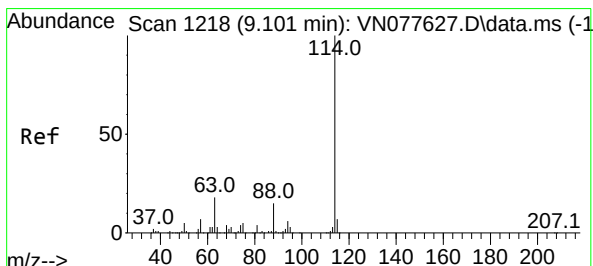
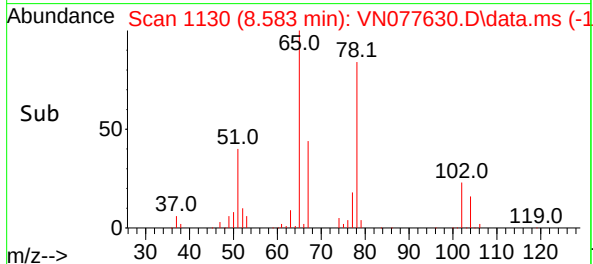
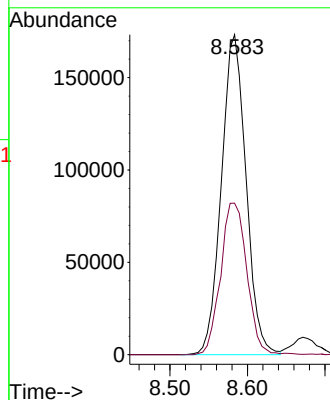
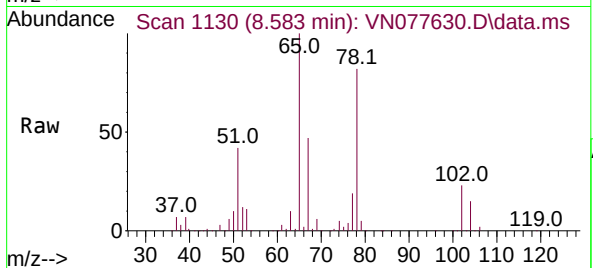
ICVVN050923

Tgt Ion: 65 Resp: 383394

Ion Ratio Lower Upper

65 100

67 50.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

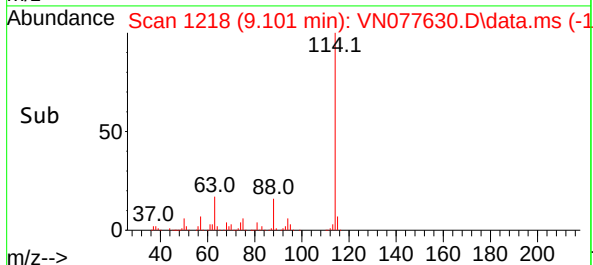
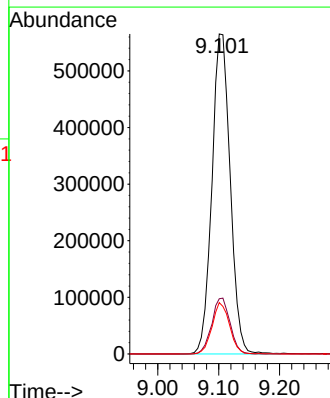
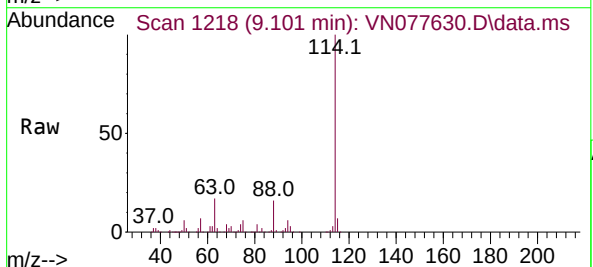
Tgt Ion: 114 Resp: 1177903

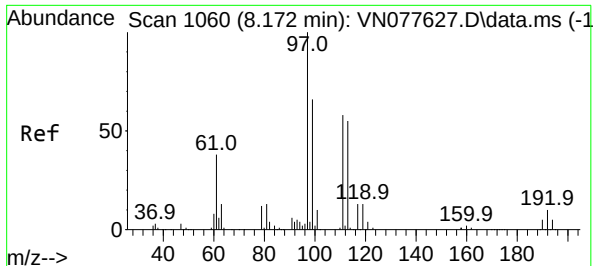
Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.540 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

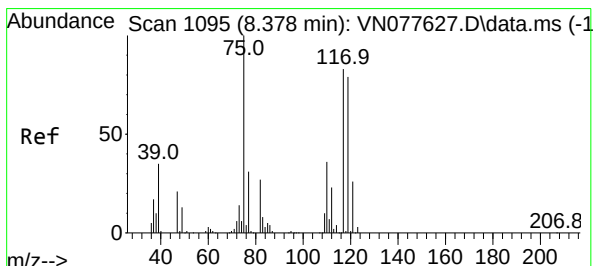
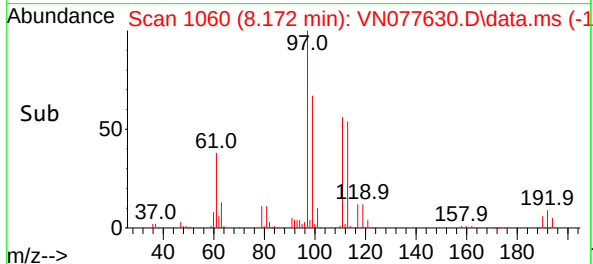
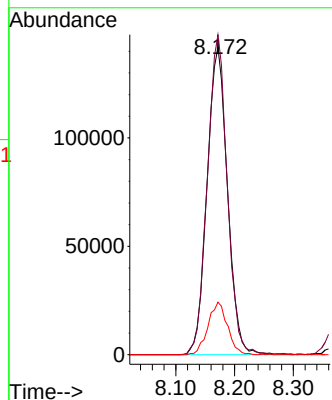
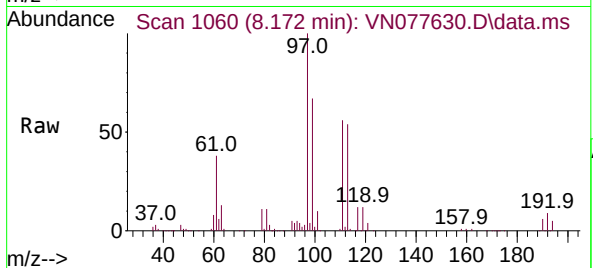
Tgt Ion:113 Resp: 341896

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 16.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 52.118 ug/l

RT: 8.372 min Scan# 1094

Delta R.T. -0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

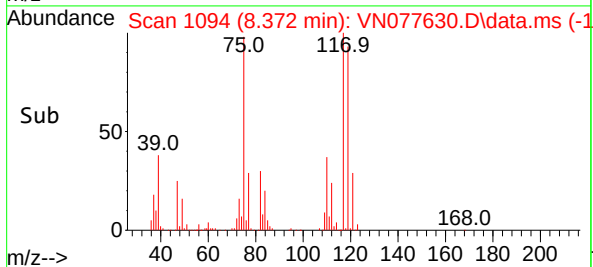
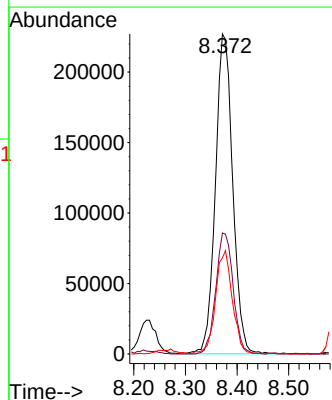
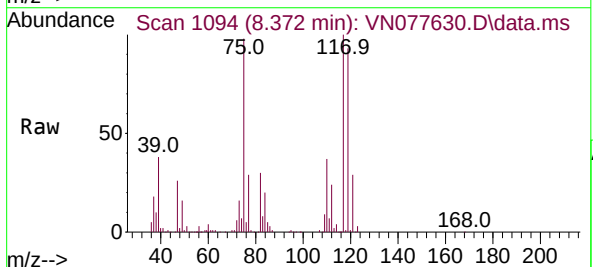
Tgt Ion: 75 Resp: 528378

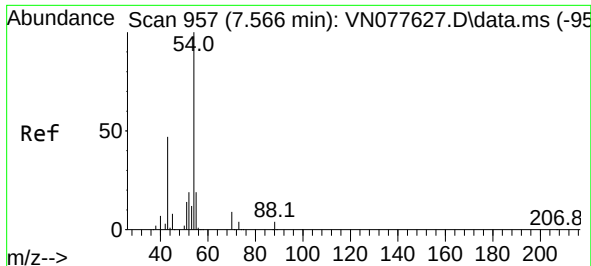
Ion Ratio Lower Upper

75 100

110 37.9 19.1 57.3

77 31.4 25.0 37.4

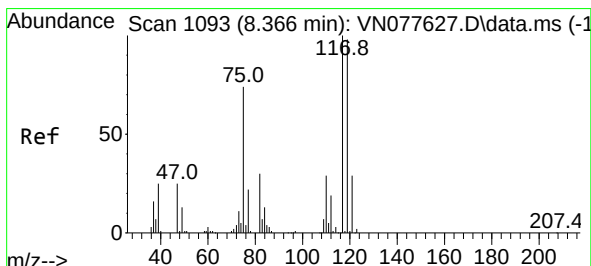
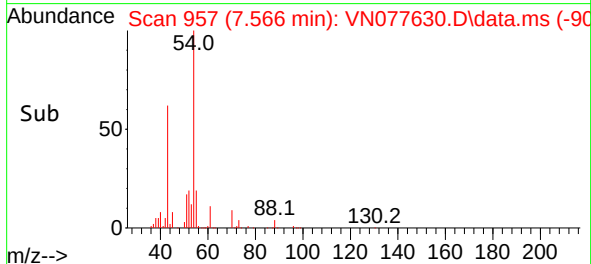
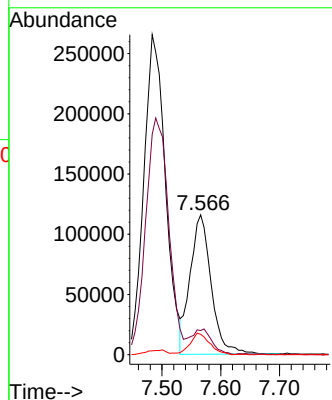
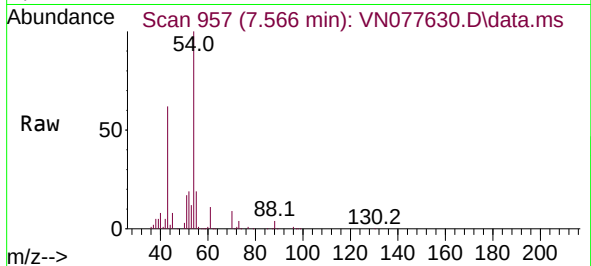




#37  
Ethyl Acetate  
Concen: 49.733 ug/l  
RT: 7.566 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

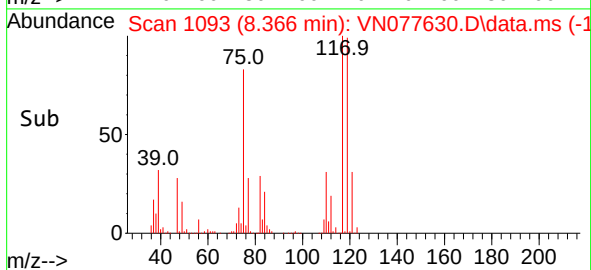
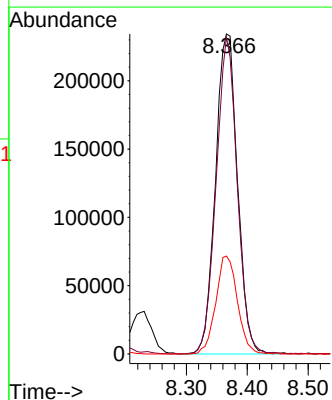
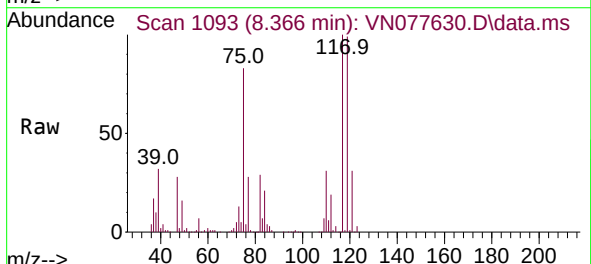
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

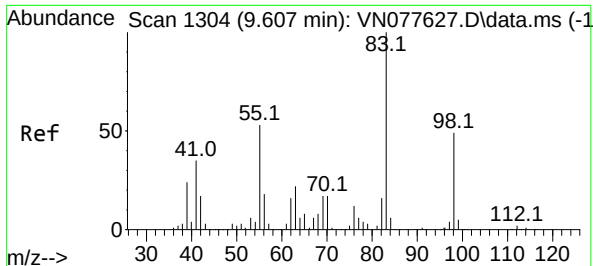
Tgt Ion: 43 Resp: 288297  
Ion Ratio Lower Upper  
43 100  
61 17.1 13.2 19.8  
70 14.1 11.3 16.9



#38  
Carbon Tetrachloride  
Concen: 53.131 ug/l  
RT: 8.366 min Scan# 1093  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 117 Resp: 588457  
Ion Ratio Lower Upper  
117 100  
119 99.1 77.3 115.9  
121 30.6 23.3 34.9





#39

Methylcyclohexane

Concen: 56.296 ug/l

RT: 9.601 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

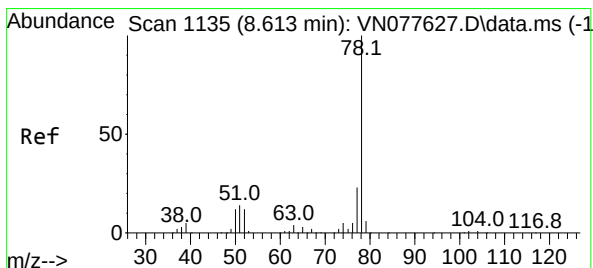
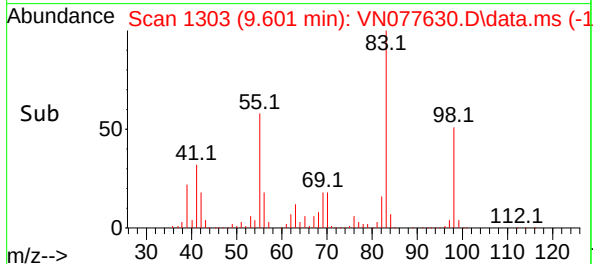
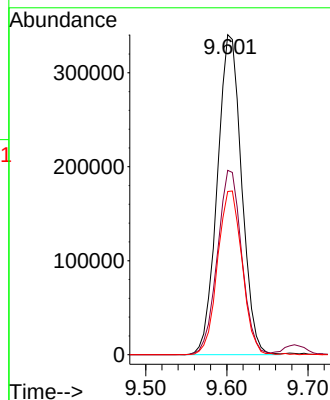
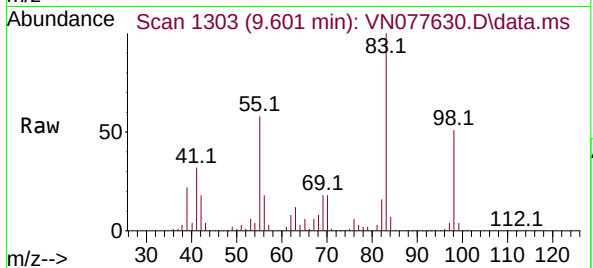
Tgt Ion: 83 Resp: 708493

Ion Ratio Lower Upper

83 100

55 57.5 49.1 73.7

98 51.0 40.6 61.0



#40

Benzene

Concen: 51.098 ug/l

RT: 8.607 min Scan# 1134

Delta R.T. -0.006 min

Lab File: VN077630.D

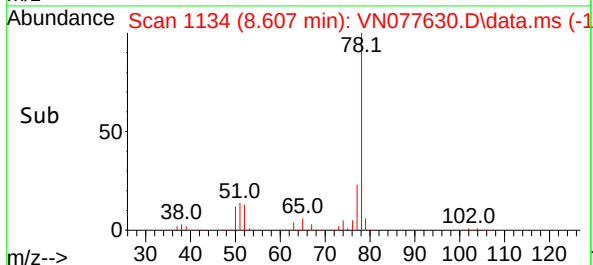
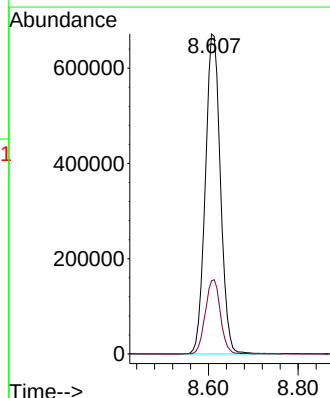
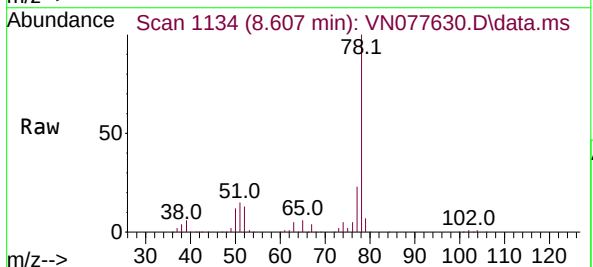
Acq: 09 May 2023 14:10

Tgt Ion: 78 Resp: 1567155

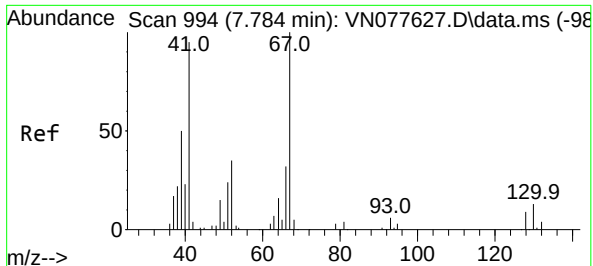
Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.6





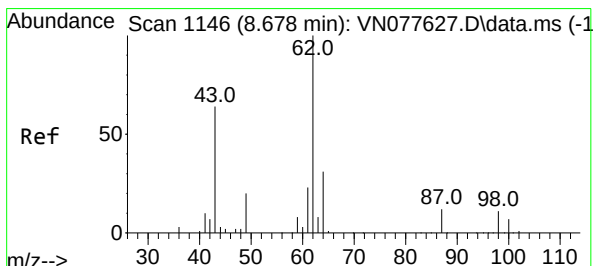
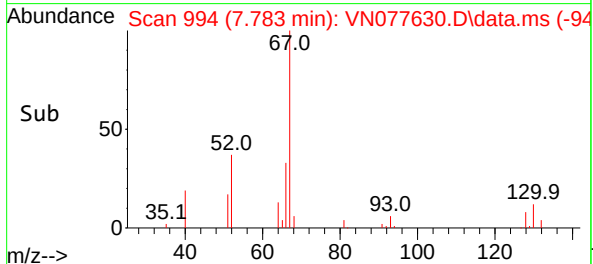
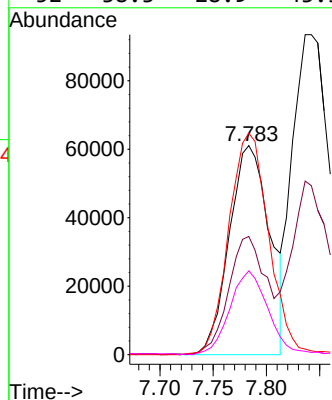
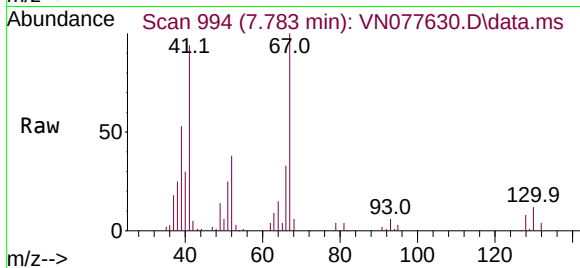


#41  
Methacrylonitrile  
Concen: 50.863 ug/l  
RT: 7.783 min Scan# 994  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

Tgt Ion: 41 Resp: 161095

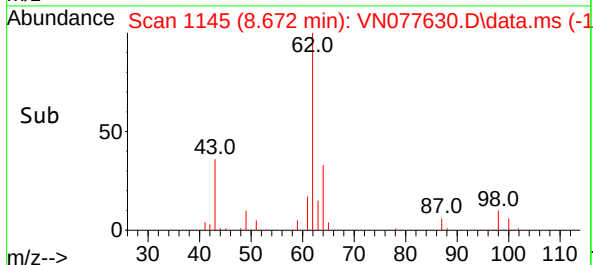
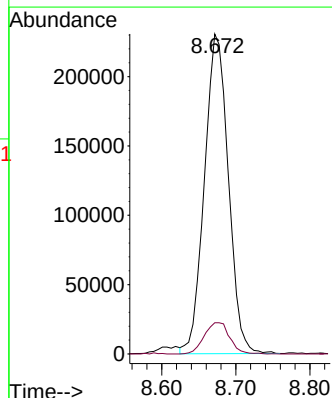
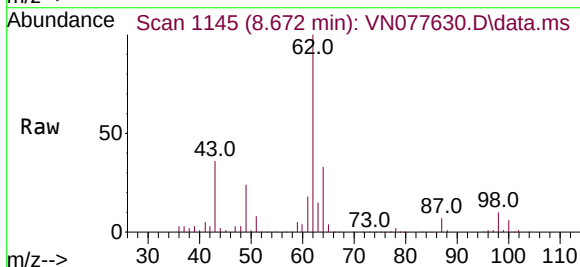
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 52.1  | 42.6  | 64.0  |
| 67  | 105.8 | 77.5  | 116.3 |
| 52  | 38.3  | 28.9  | 43.3  |

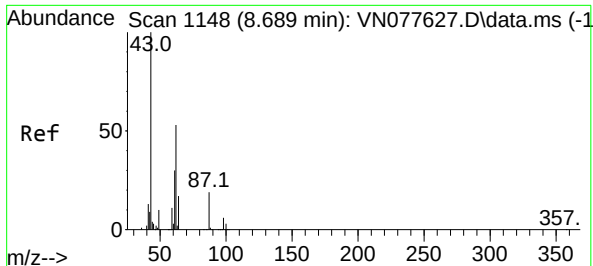


#42  
1,2-Dichloroethane  
Concen: 50.311 ug/l  
RT: 8.672 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 62 Resp: 517431

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.4  | 0.0   | 19.8  |





#43

Isopropyl Acetate

Concen: 50.359 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

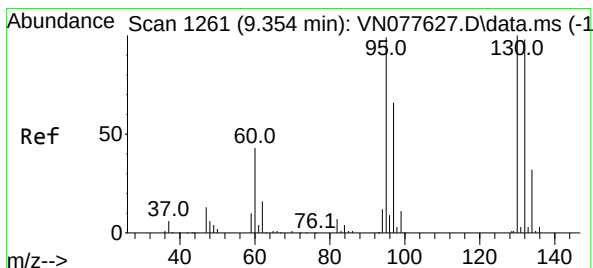
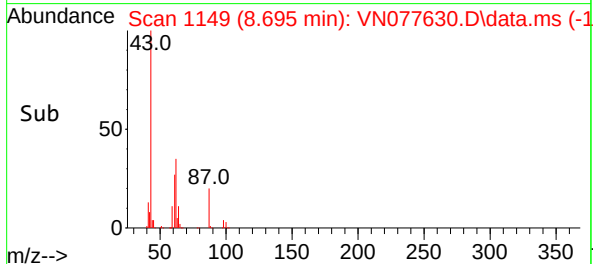
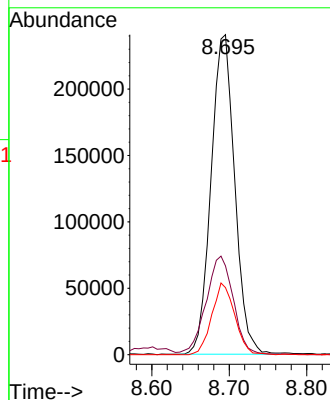
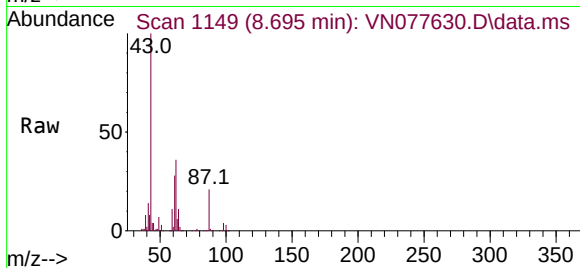
Tgt Ion: 43 Resp: 511839

Ion Ratio Lower Upper

43 100

61 35.8 24.7 37.1

87 21.6 14.6 21.8



#44

Trichloroethene

Concen: 51.132 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VN077630.D

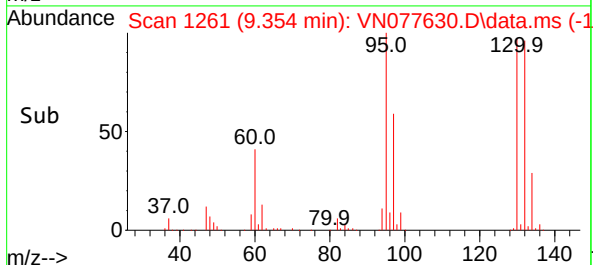
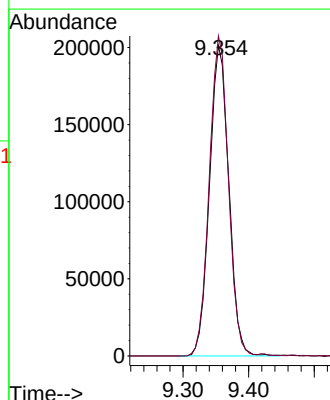
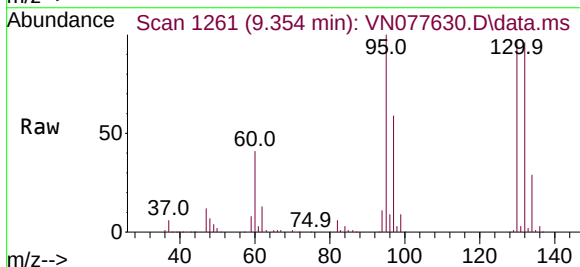
Acq: 09 May 2023 14:10

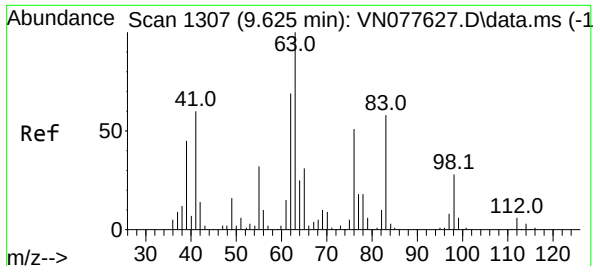
Tgt Ion:130 Resp: 411947

Ion Ratio Lower Upper

130 100

95 103.1 0.0 204.6





#45

1,2-Dichloropropane

Concen: 50.490 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.001 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

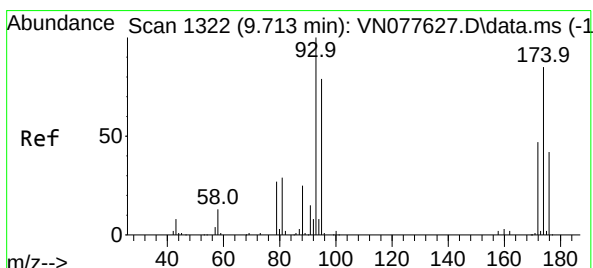
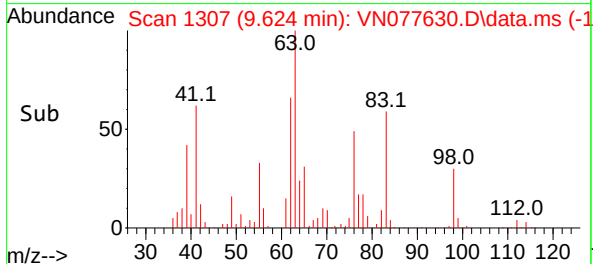
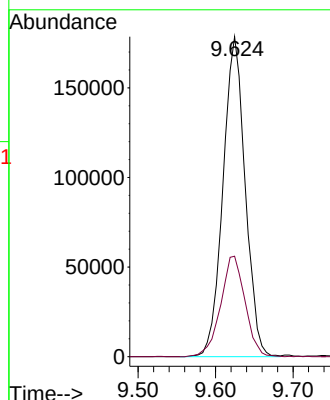
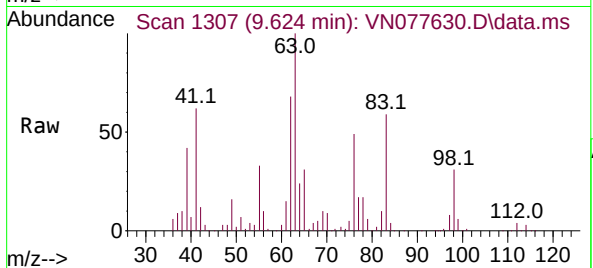
ICVVN050923

Tgt Ion: 63 Resp: 356058

Ion Ratio Lower Upper

63 100

65 31.4 23.9 35.9



#46

Dibromomethane

Concen: 50.890 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

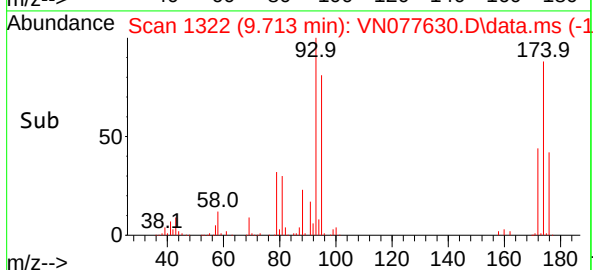
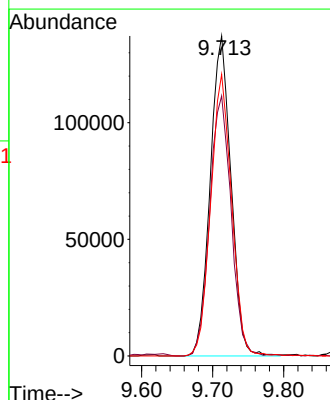
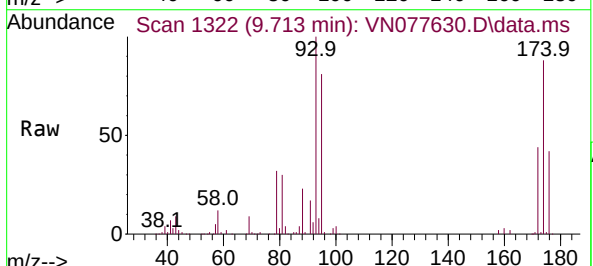
Tgt Ion: 93 Resp: 279162

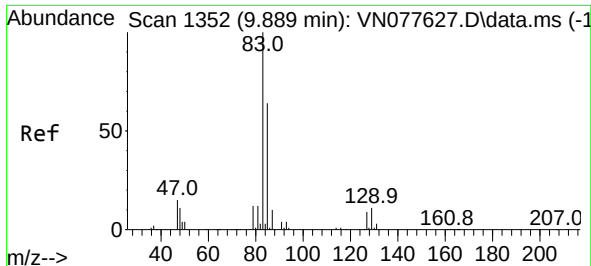
Ion Ratio Lower Upper

93 100

95 83.4 63.8 95.8

174 88.1 65.6 98.4

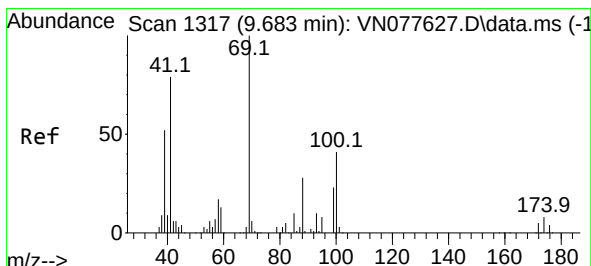
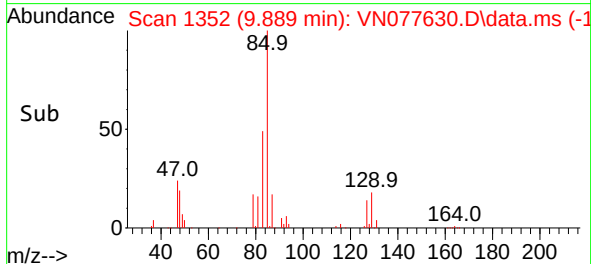
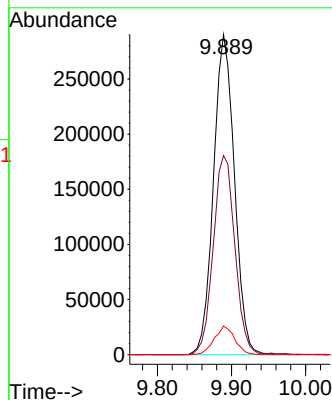
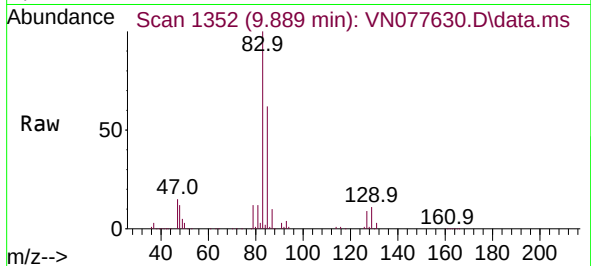




#47  
Bromodichloromethane  
Concen: 53.177 ug/l  
RT: 9.889 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

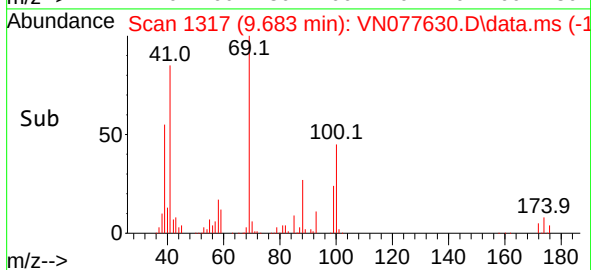
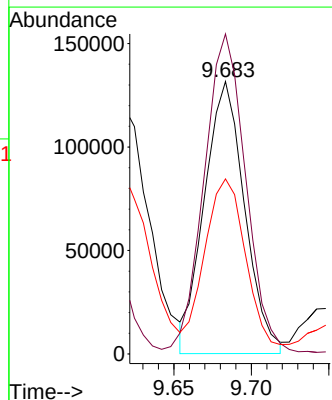
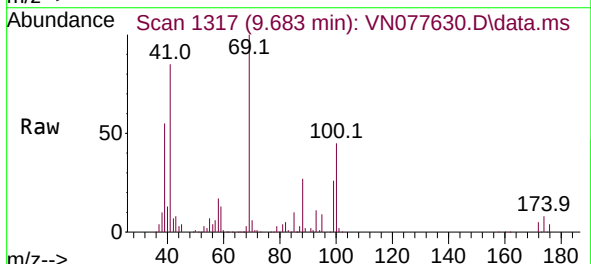
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICV050923

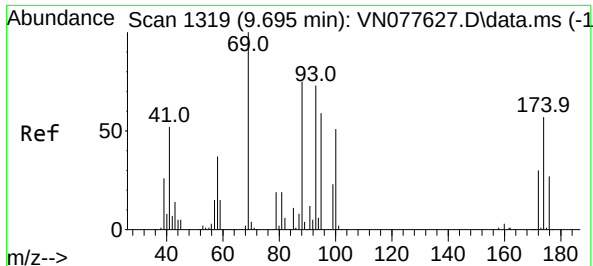
Tgt Ion: 83 Resp: 569757  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.6 74.4  
127 9.0 7.0 10.6



#48  
Methyl methacrylate  
Concen: 49.723 ug/l  
RT: 9.683 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 41 Resp: 237195  
Ion Ratio Lower Upper  
41 100  
69 123.2 90.4 135.6  
39 66.6 54.6 81.8





#49

1,4-Dioxane

Concen: 999.103 ug/l

RT: 9.695 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

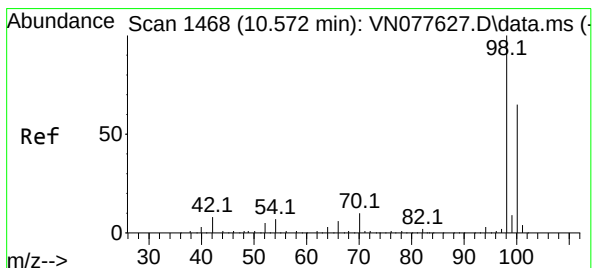
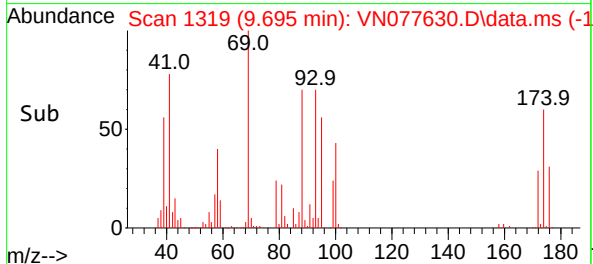
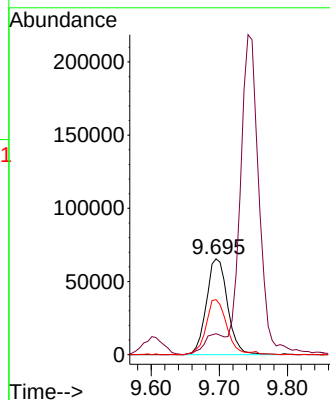
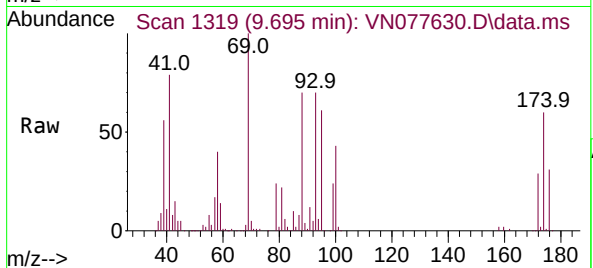
Tgt Ion: 88 Resp: 141742

Ion Ratio Lower Upper

88 100

43 20.2 17.0 25.6

58 57.2 47.0 70.4



#50

Toluene-d8

Concen: 48.290 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.006 min

Lab File: VN077630.D

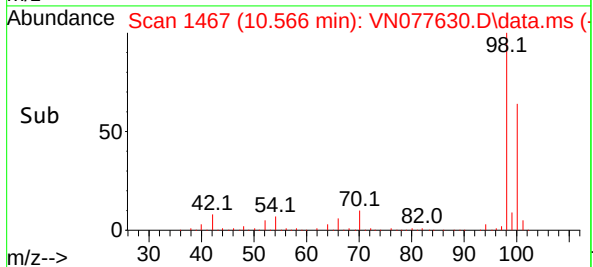
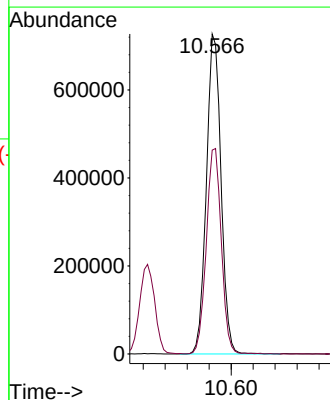
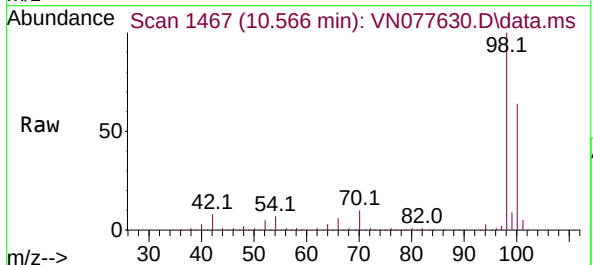
Acq: 09 May 2023 14:10

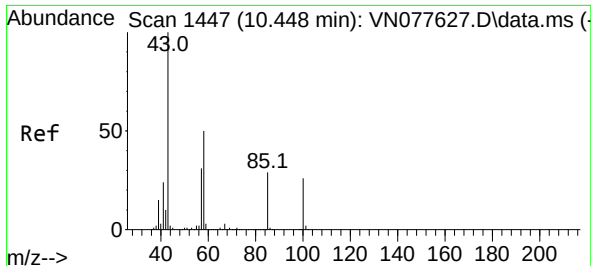
Tgt Ion: 98 Resp: 1343116

Ion Ratio Lower Upper

98 100

100 65.9 52.0 78.0

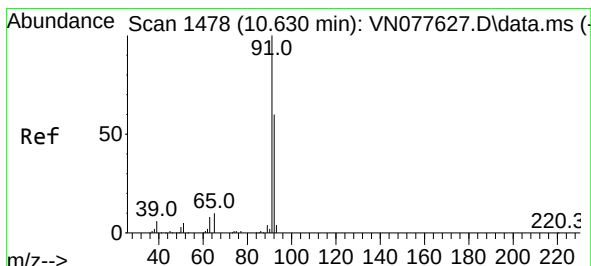
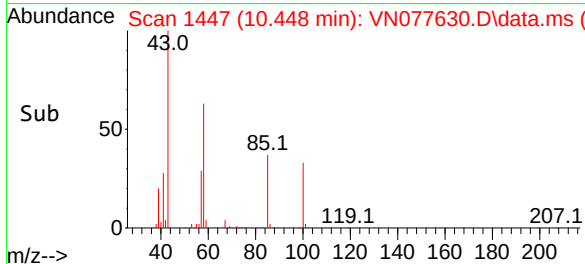
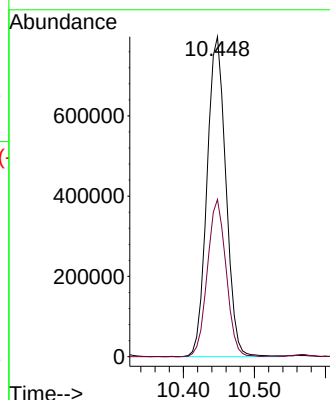
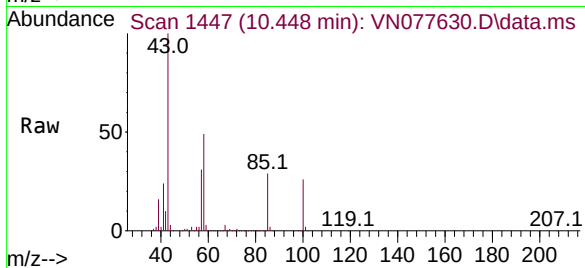




#51  
4-Methyl-2-Pentanone  
Concen: 246.393 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

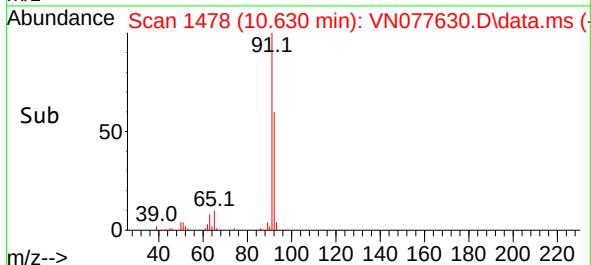
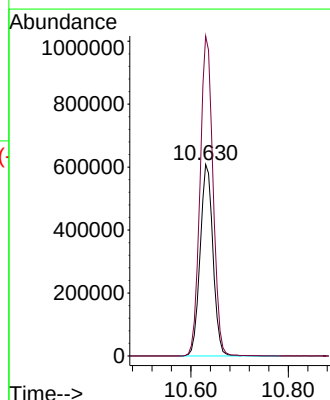
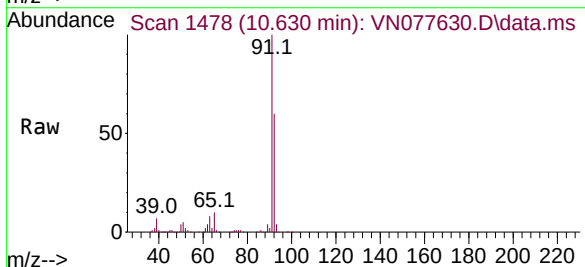
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

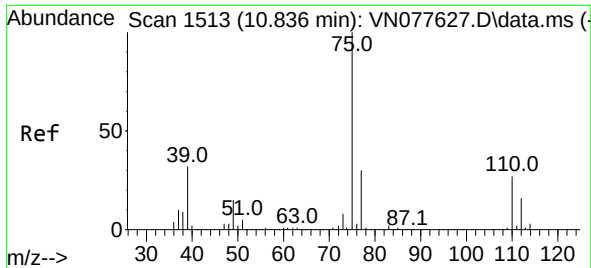
Tgt Ion: 43 Resp: 1473294  
Ion Ratio Lower Upper  
43 100  
58 48.7 36.6 54.8



#52  
Toluene  
Concen: 54.748 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 92 Resp: 1116829  
Ion Ratio Lower Upper  
92 100  
91 168.4 137.4 206.0

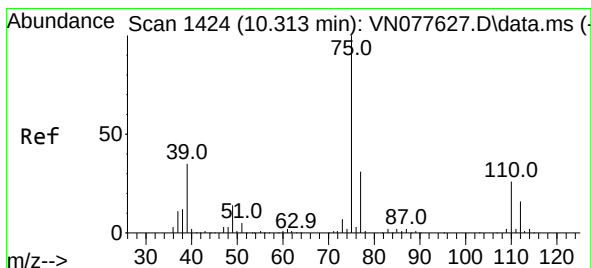
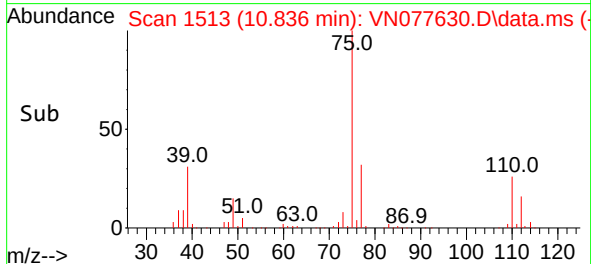
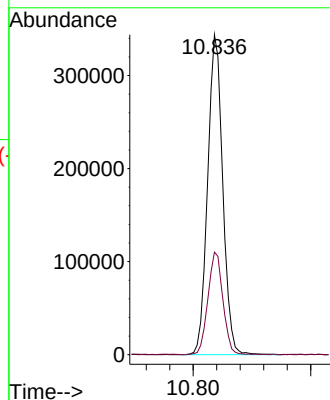
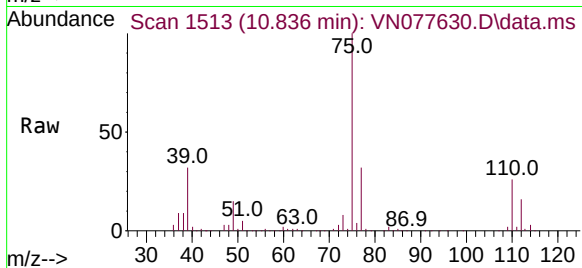




#53  
 t-1,3-Dichloropropene  
 Concen: 58.517 ug/l  
 RT: 10.836 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

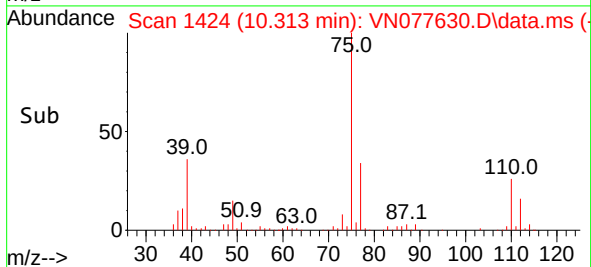
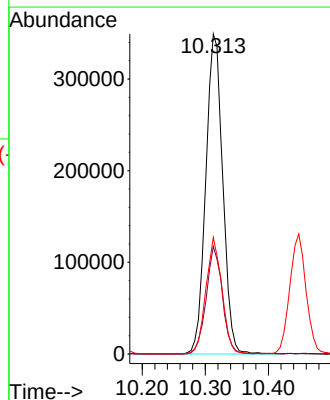
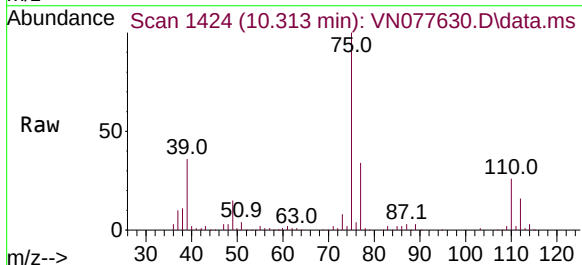
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN050923

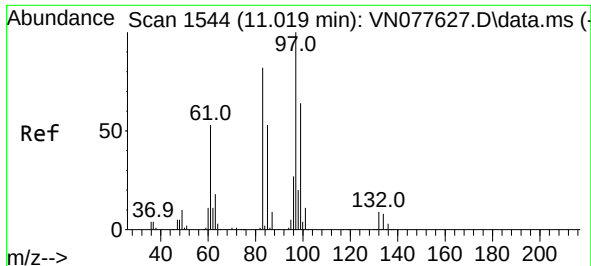
Tgt Ion: 75 Resp: 610876  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.850 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. -0.000 min  
 Lab File: VN077630.D  
 Acq: 09 May 2023 14:10

Tgt Ion: 75 Resp: 651447  
 Ion Ratio Lower Upper  
 75 100  
 77 33.6 26.1 39.1  
 39 36.3 31.6 47.4

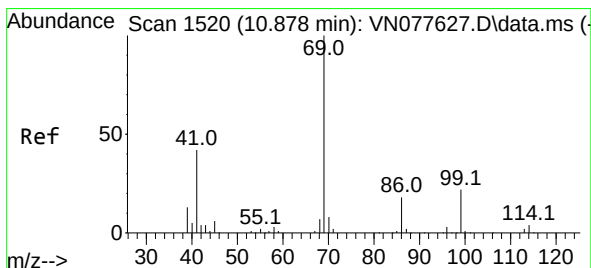
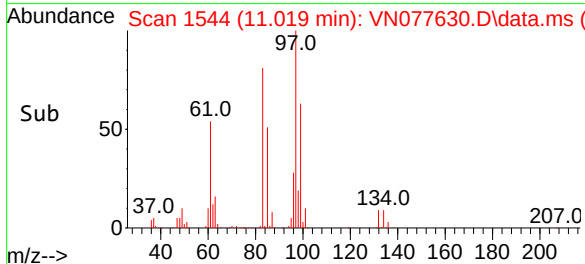
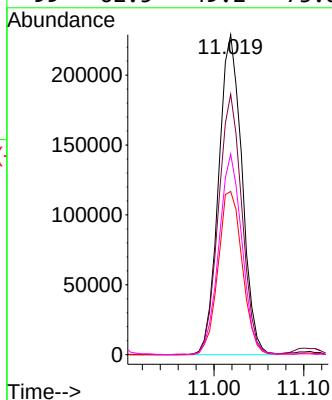
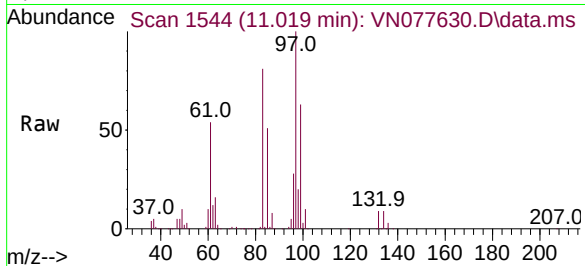




#55  
1,1,2-Trichloroethane  
Concen: 52.455 ug/l  
RT: 11.019 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

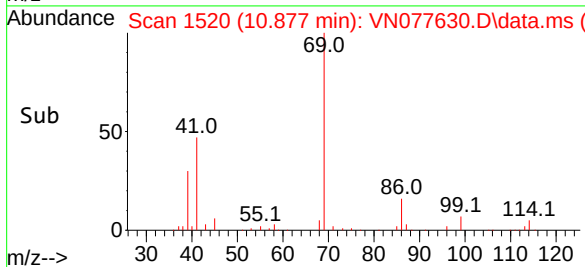
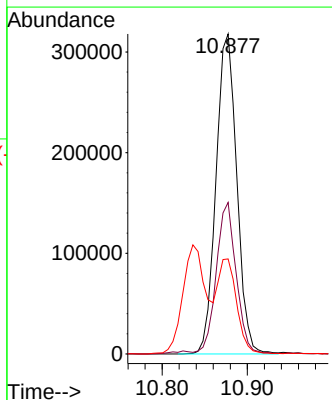
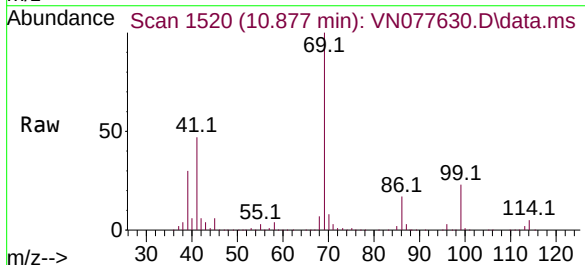
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 414899 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.4  | 65.1  | 97.7   |
| 85       | 51.0  | 43.4  | 65.2   |
| 99       | 62.5  | 49.2  | 73.8   |

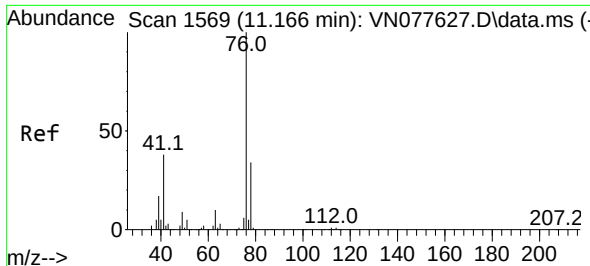


#56  
Ethyl methacrylate  
Concen: 53.941 ug/l  
RT: 10.877 min Scan# 1520  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 538059 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 45.2  | 39.6  | 59.4   |
| 39       | 26.7  | 28.6  | 43.0   |



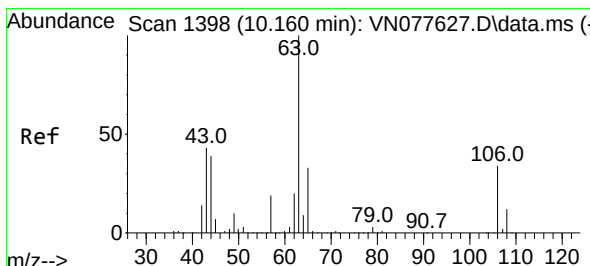
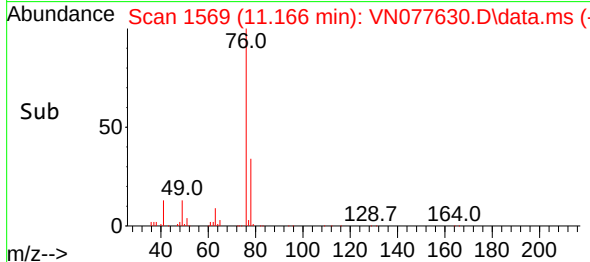
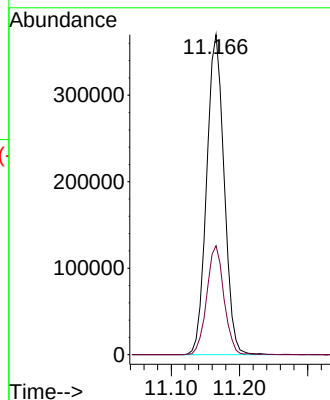
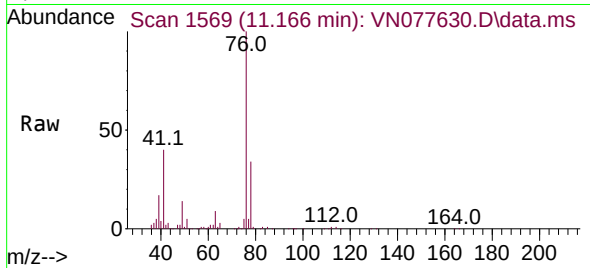




#57  
1,3-Dichloropropane  
Concen: 51.834 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

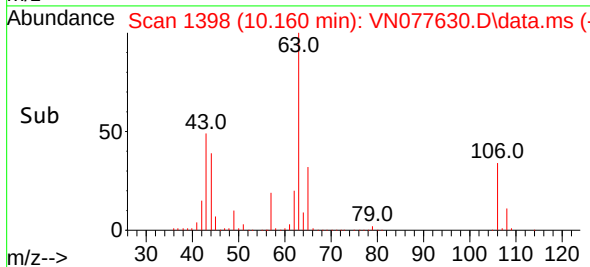
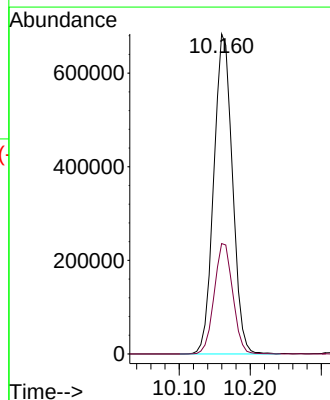
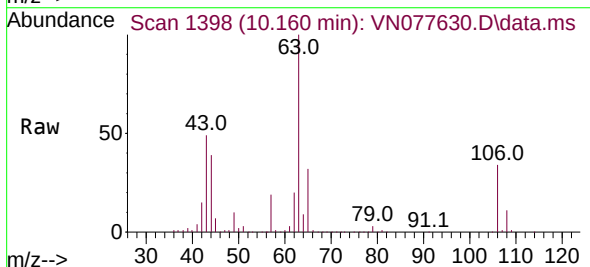
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

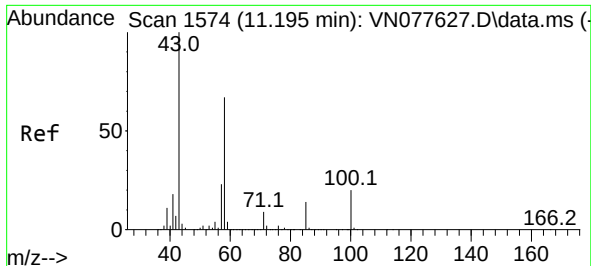
Tgt Ion: 76 Resp: 659052  
Ion Ratio Lower Upper  
76 100  
78 33.6 26.1 39.1



#58  
2-Chloroethyl Vinyl ether  
Concen: 302.860 ug/l  
RT: 10.160 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 63 Resp: 1245537  
Ion Ratio Lower Upper  
63 100  
106 34.3 26.2 39.4

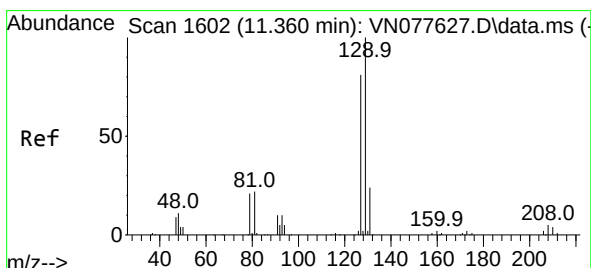
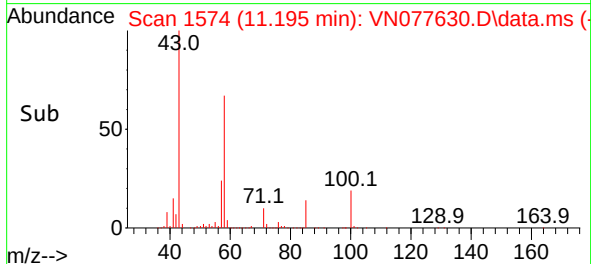
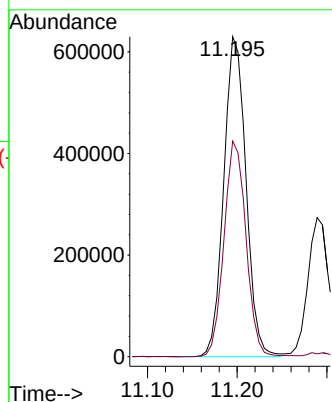
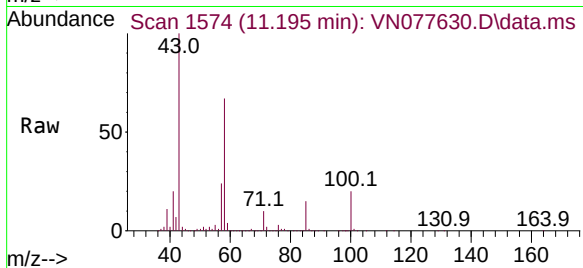




#59  
2-Hexanone  
Concen: 256.086 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

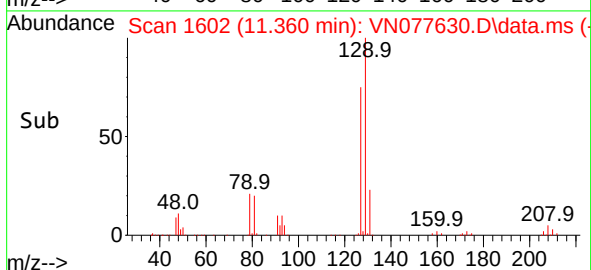
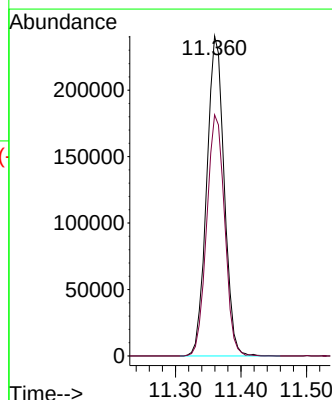
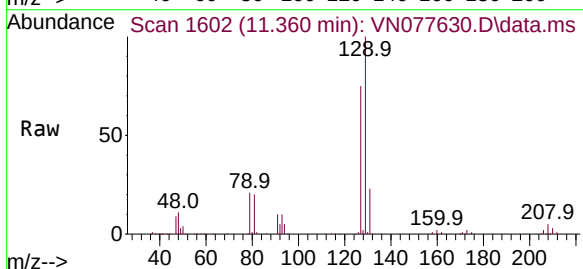
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

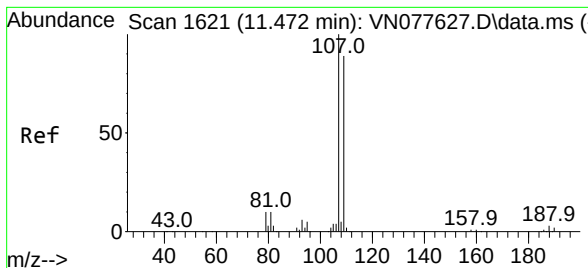
Tgt Ion: 43 Resp: 1082226  
Ion Ratio Lower Upper  
43 100  
58 66.9 31.7 95.1



#60  
Dibromochloromethane  
Concen: 56.695 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 129 Resp: 445171  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 116.0

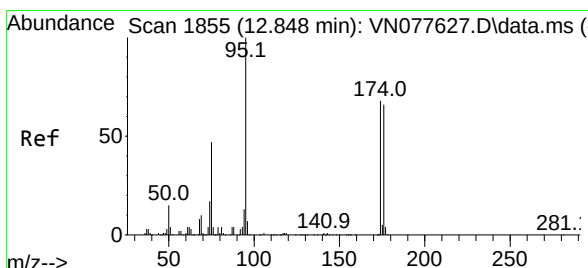
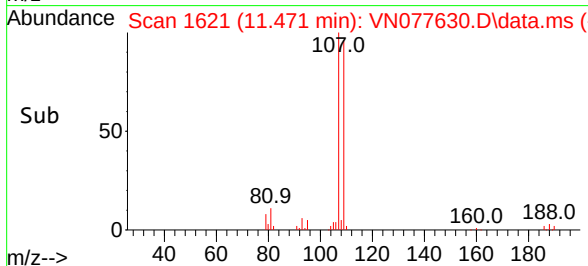
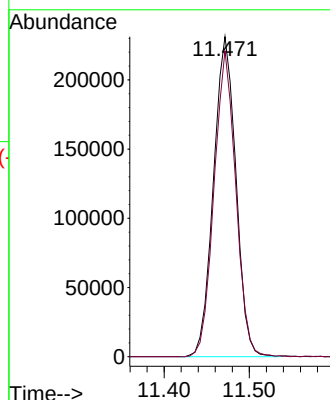
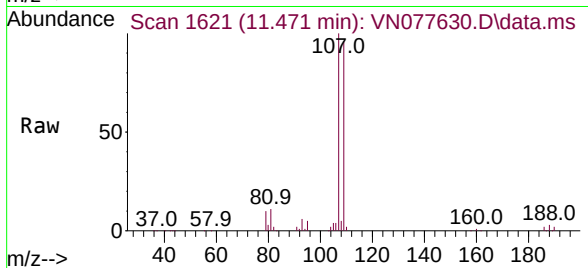




#61  
1,2-Dibromoethane  
Concen: 54.226 ug/l  
RT: 11.471 min Scan# 1621  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

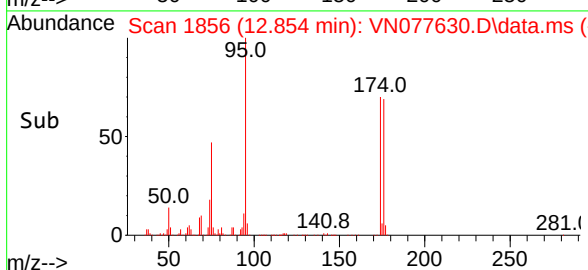
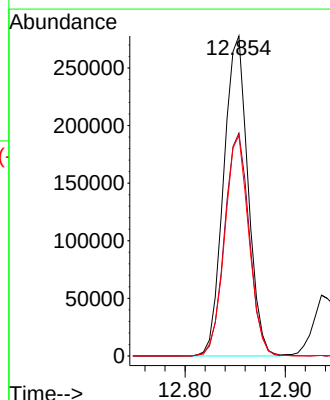
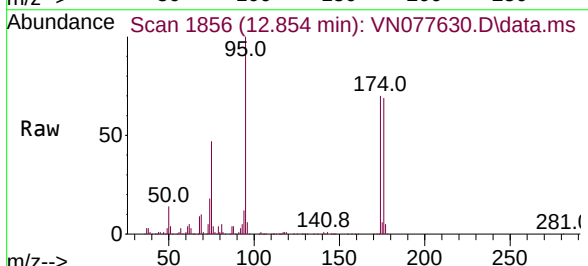
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

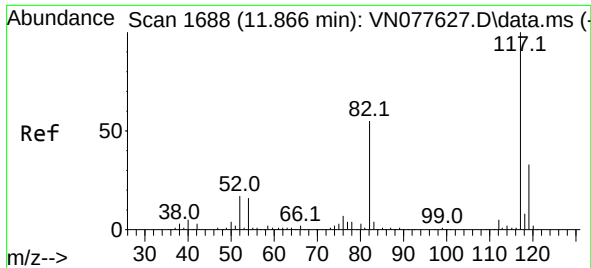
Tgt Ion:107 Resp: 421674  
Ion Ratio Lower Upper  
107 100  
109 92.9 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 49.702 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 95 Resp: 467550  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 143.8  
176 68.5 0.0 135.8

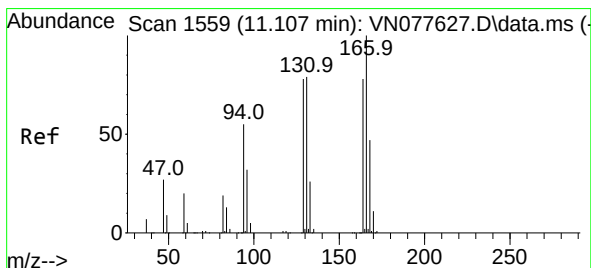
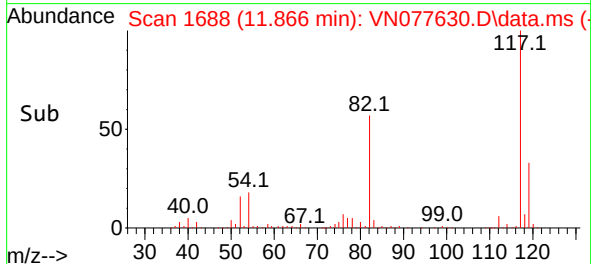
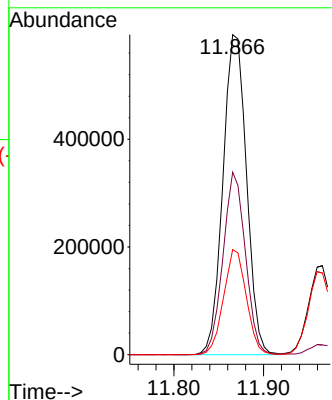
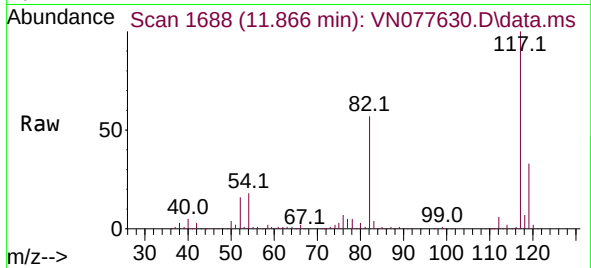




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

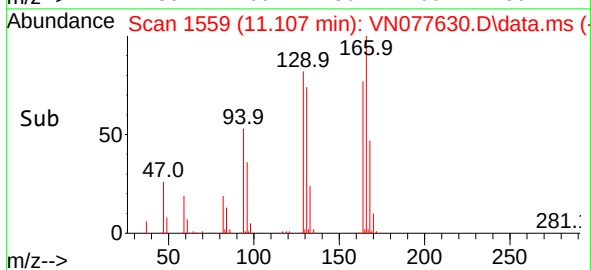
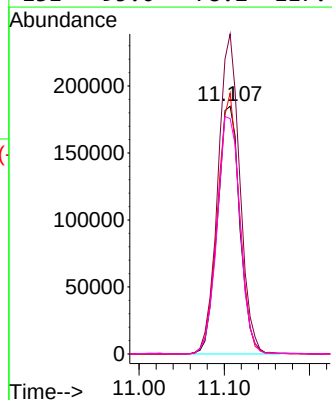
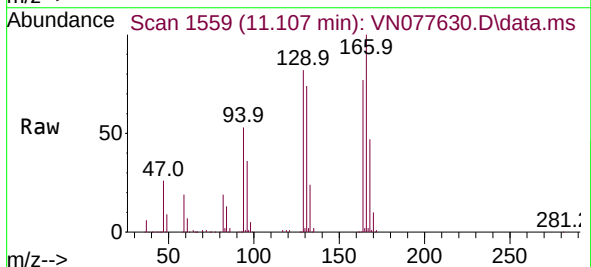
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

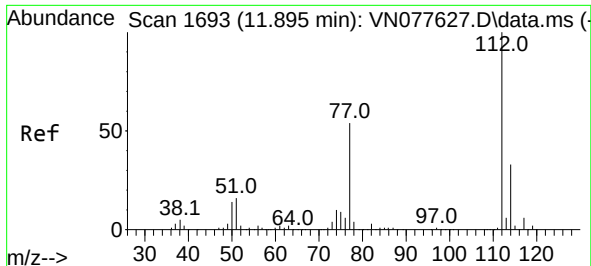
Tgt Ion:117 Resp: 1084691  
Ion Ratio Lower Upper  
117 100  
82 57.1 44.0 66.0  
119 32.9 25.6 38.4



#64  
Tetrachloroethene  
Concen: 52.184 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:164 Resp: 336877  
Ion Ratio Lower Upper  
164 100  
166 129.2 101.4 152.0  
129 105.3 82.4 123.6  
131 95.0 78.2 117.4

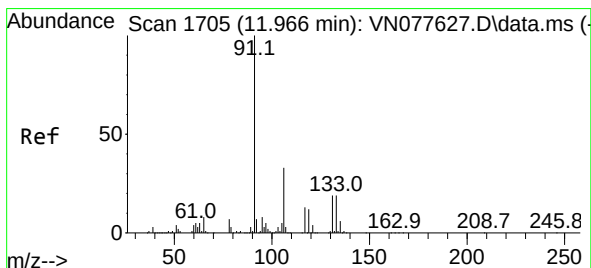
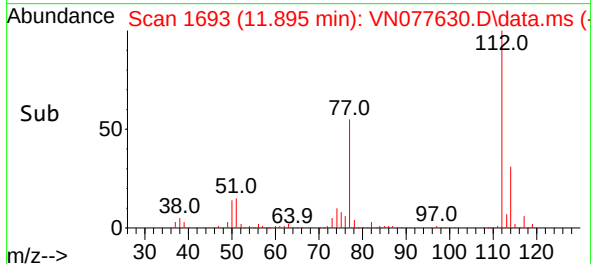
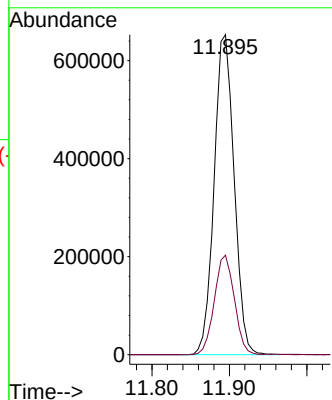
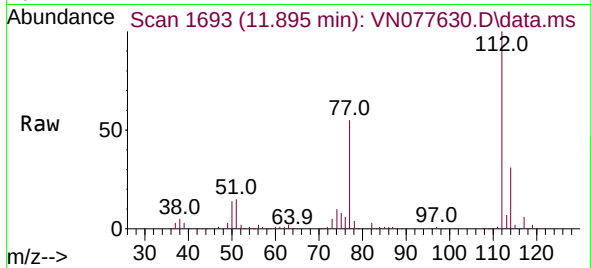




#65  
Chlorobenzene  
Concen: 52.524 ug/l  
RT: 11.895 min Scan# 1171071  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

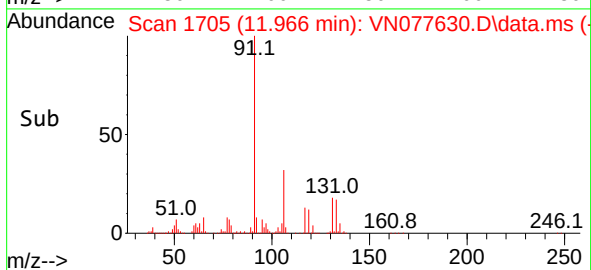
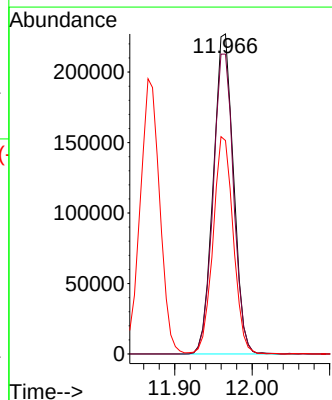
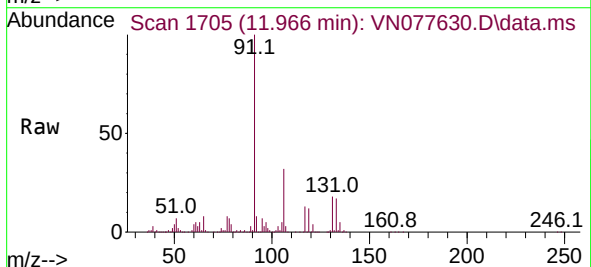
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

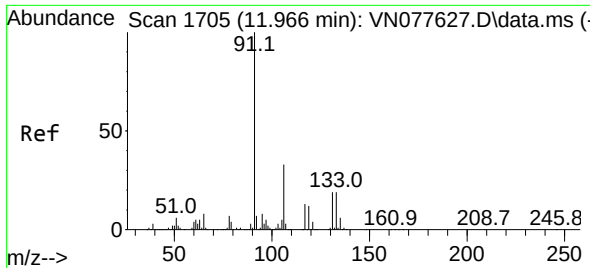
Tgt Ion:112 Resp: 1171071  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.215 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:131 Resp: 411394  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.4 139.1  
119 67.9 34.1 102.2

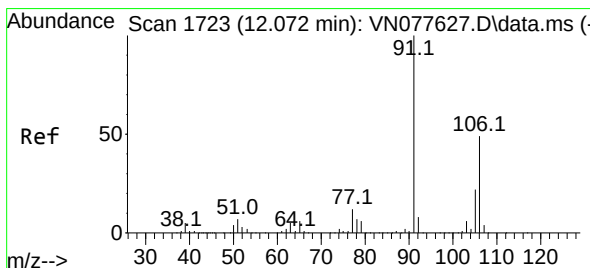
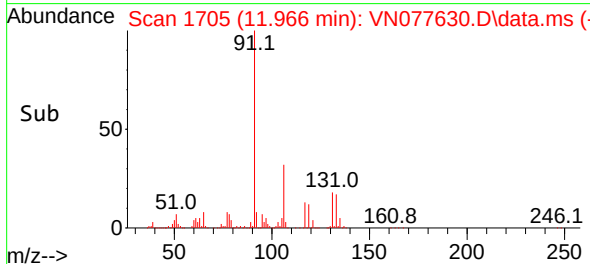
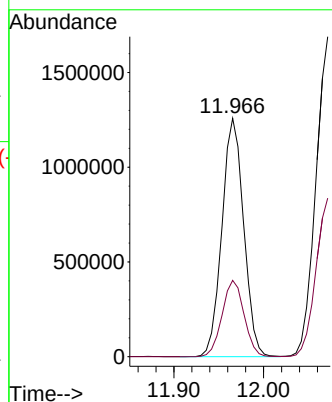
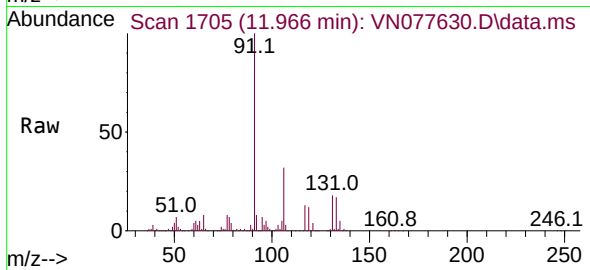




#67  
Ethyl Benzene  
Concen: 54.067 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

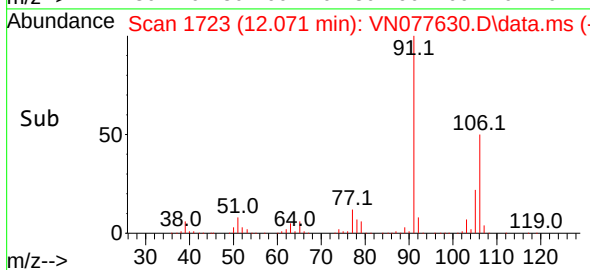
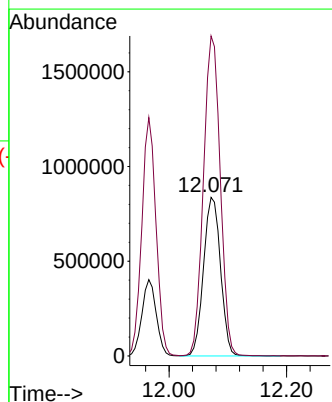
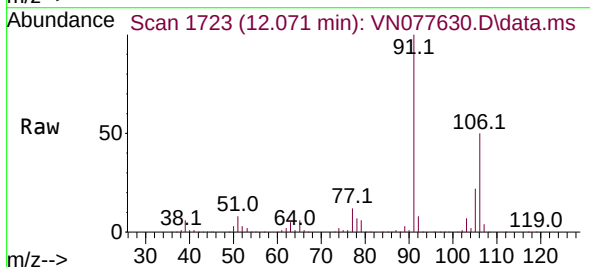
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

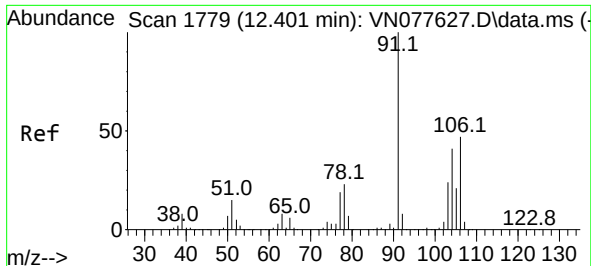
Tgt Ion: 91 Resp: 2116369  
Ion Ratio Lower Upper  
91 100  
106 32.0 25.6 38.4



#68  
m/p-Xylenes  
Concen: 108.491 ug/l  
RT: 12.071 min Scan# 1723  
Delta R.T. -0.001 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:106 Resp: 1681438  
Ion Ratio Lower Upper  
106 100  
91 199.5 159.6 239.4

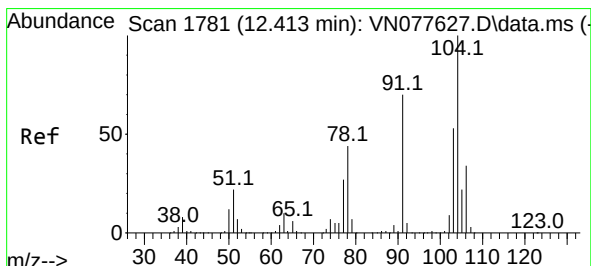
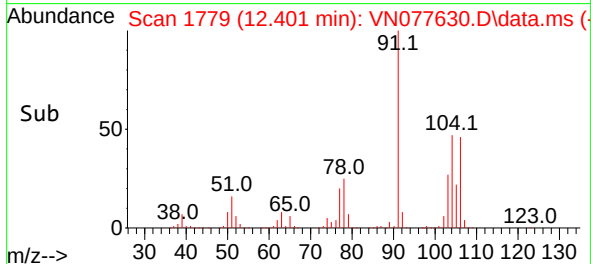
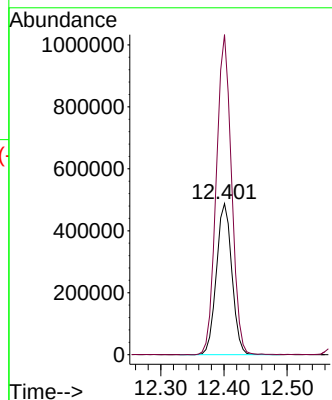
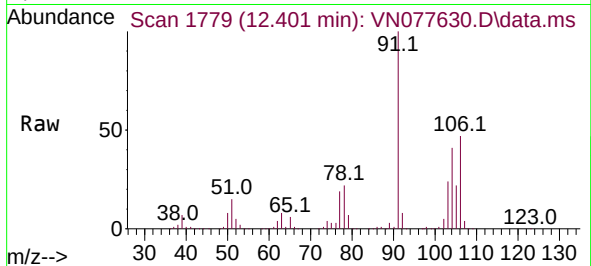




#69  
o-Xylene  
Concen: 53.349 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

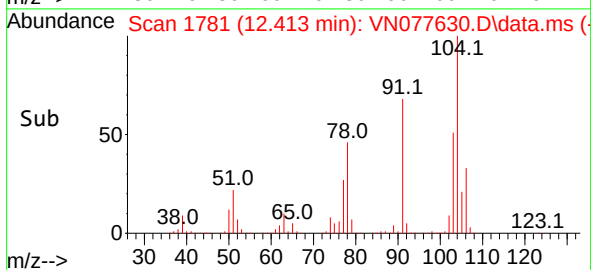
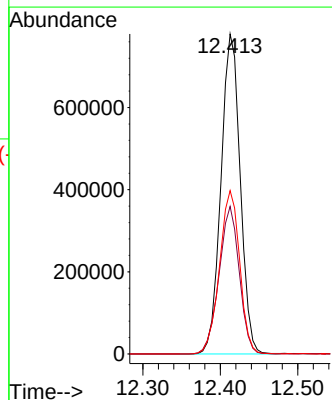
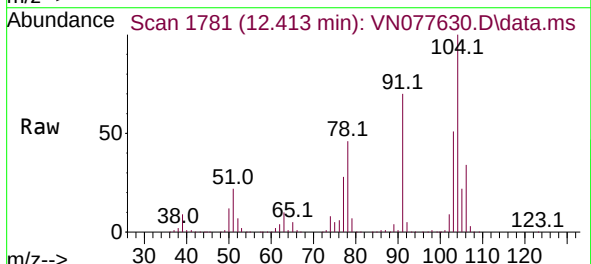
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

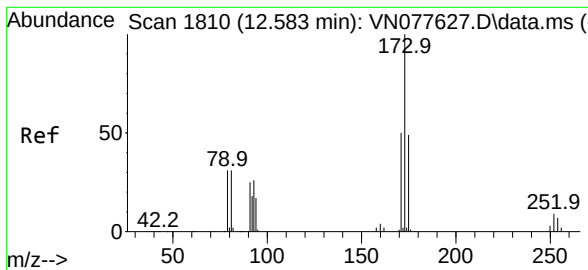
Tgt Ion:106 Resp: 828736  
Ion Ratio Lower Upper  
106 100  
91 209.0 105.2 315.5



#70  
Styrene  
Concen: 56.526 ug/l  
RT: 12.413 min Scan# 1781  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:104 Resp: 1344827  
Ion Ratio Lower Upper  
104 100  
78 48.4 39.5 59.3  
103 53.5 43.2 64.8

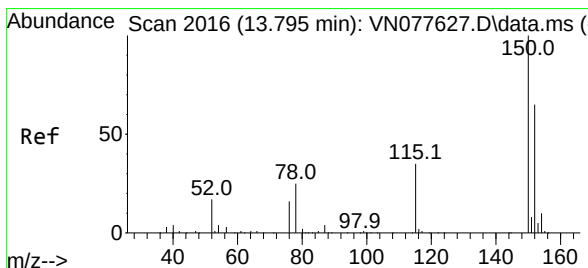
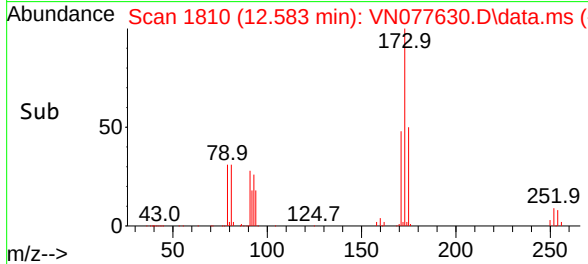
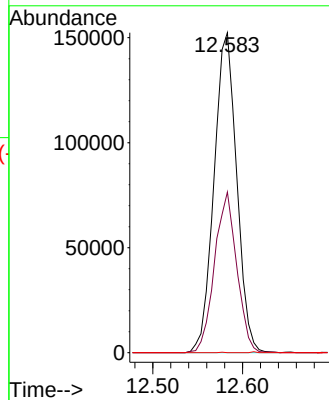
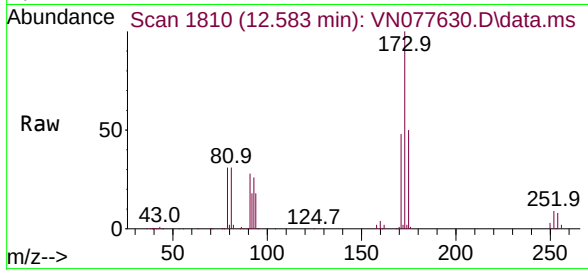




#71  
Bromoform  
Concen: 54.817 ug/l  
RT: 12.583 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

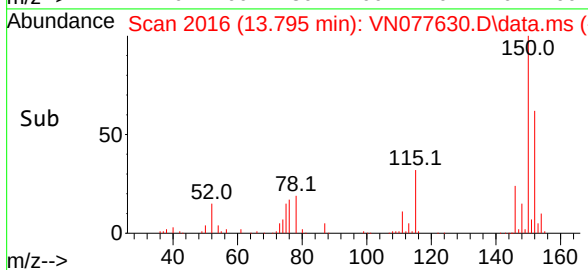
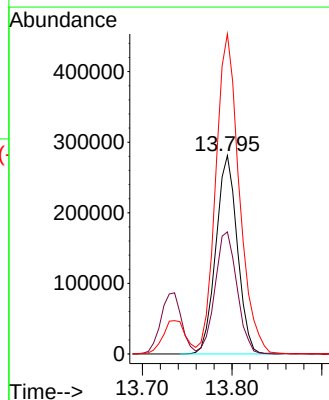
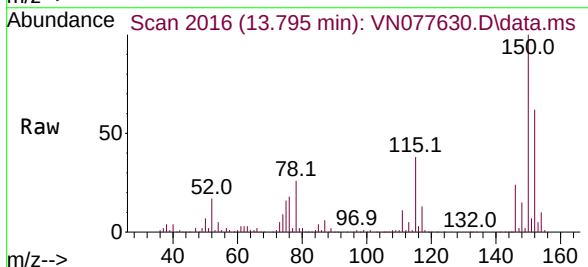
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

Tgt Ion:173 Resp: 267219  
Ion Ratio Lower Upper  
173 100  
175 49.2 24.3 73.0  
254 0.0 0.0 0.0#

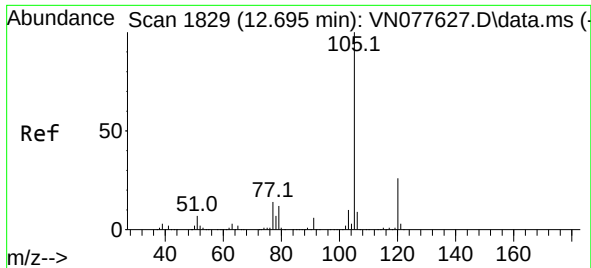


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:152 Resp: 465305  
Ion Ratio Lower Upper  
152 100  
115 63.3 32.3 96.8  
150 177.0 0.0 355.8



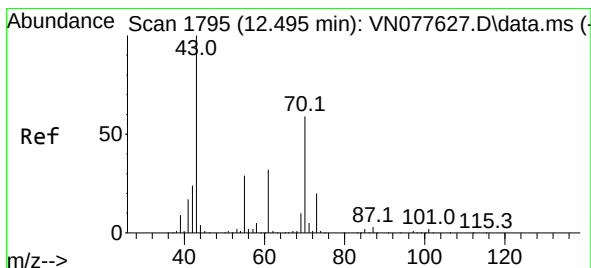
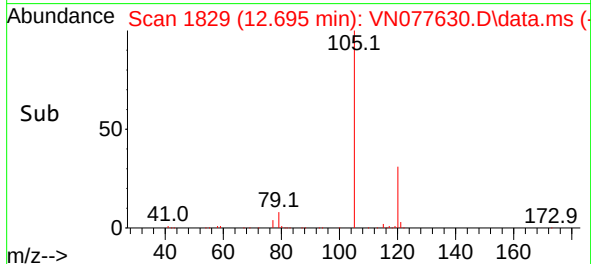
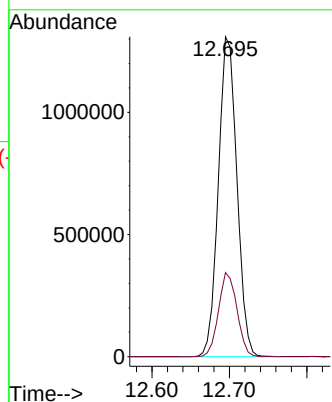
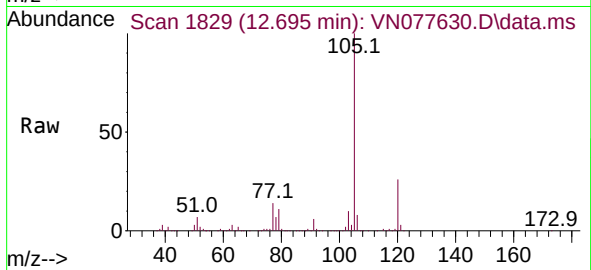




#73  
Isopropylbenzene  
Concen: 52.493 ug/l  
RT: 12.695 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

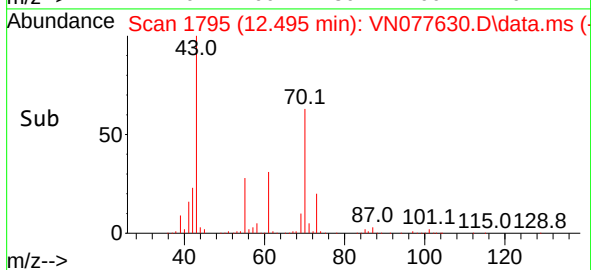
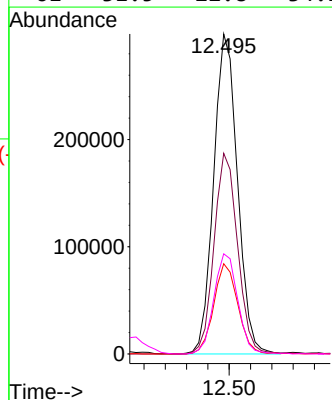
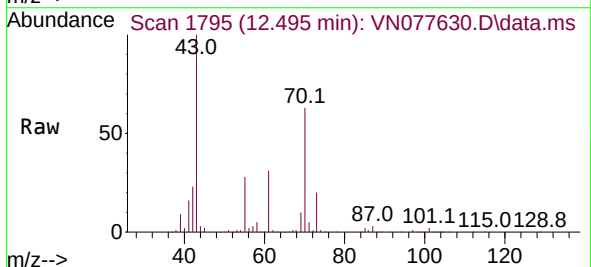
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

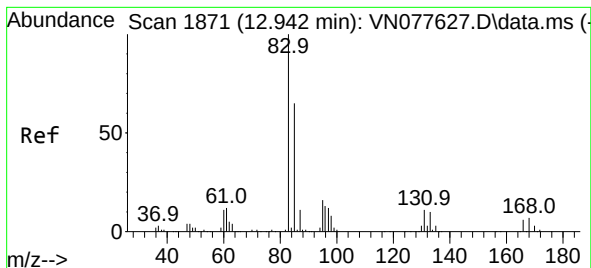
Tgt Ion:105 Resp: 2178933  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.1 39.1



#74  
N-ethyl acetate  
Concen: 50.548 ug/l  
RT: 12.495 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 43 Resp: 463052  
Ion Ratio Lower Upper  
43 100  
70 62.3 43.4 65.2  
55 28.7 21.4 32.0  
61 31.5 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.688 ug/l

RT: 12.942 min Scan# 1871

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

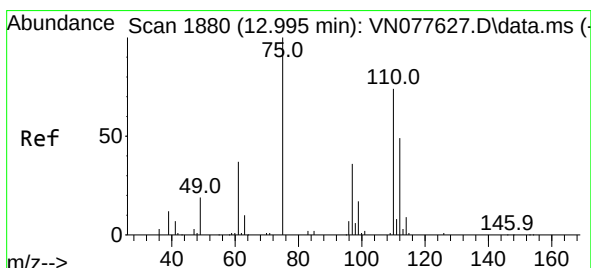
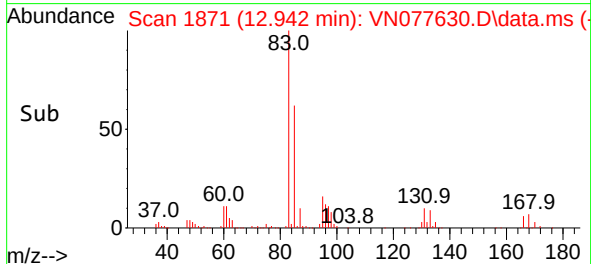
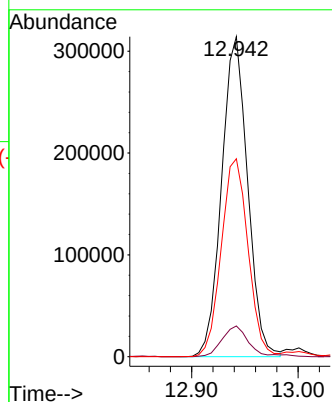
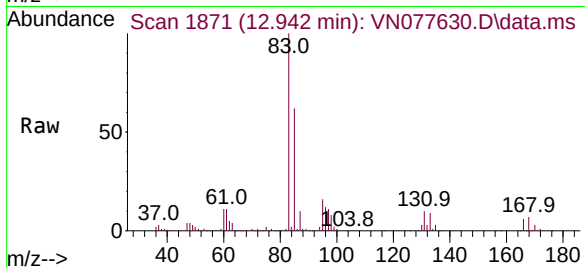
Tgt Ion: 83 Resp: 532752

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 63.8 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 68.713 ug/l

RT: 12.995 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN077630.D

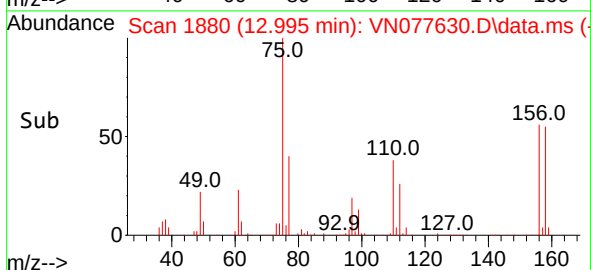
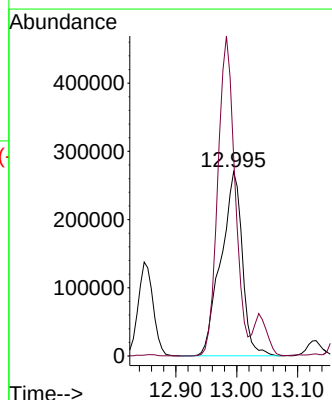
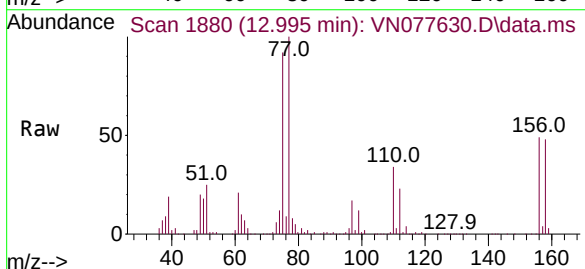
Acq: 09 May 2023 14:10

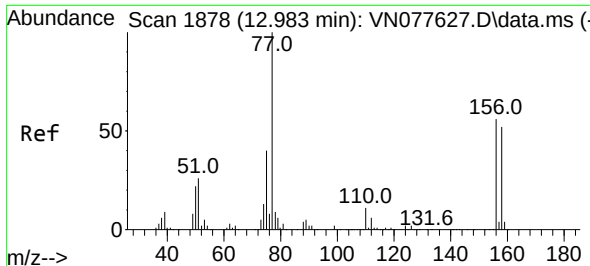
Tgt Ion: 75 Resp: 659798

Ion Ratio Lower Upper

75 100

77 138.7 84.5 253.5

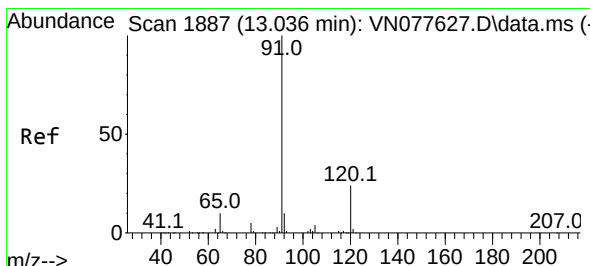
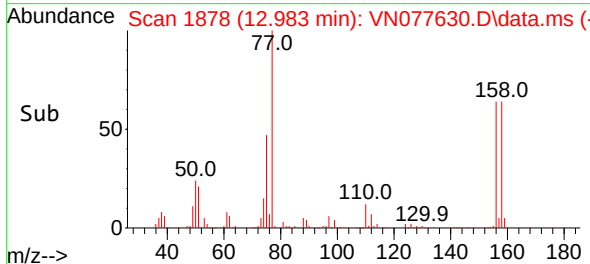
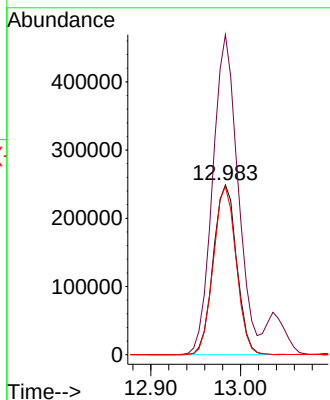
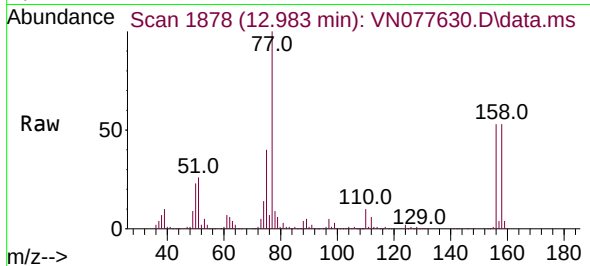




#77  
Bromobenzene  
Concen: 48.887 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

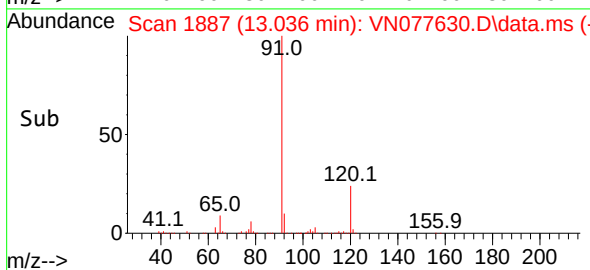
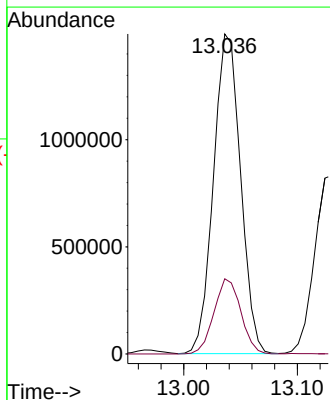
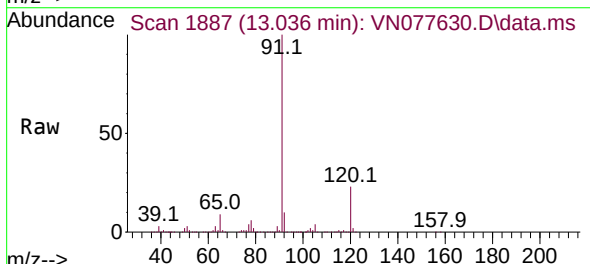
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

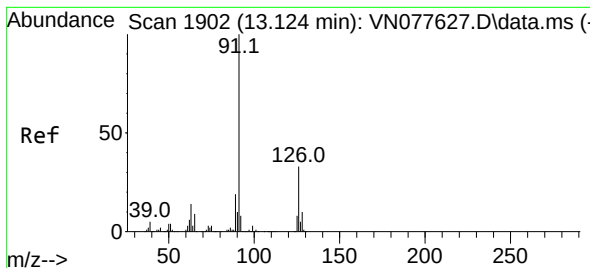
Tgt Ion:156 Resp: 449410  
Ion Ratio Lower Upper  
156 100  
77 203.6 107.7 323.3  
158 96.8 48.4 145.3



#78  
n-propylbenzene  
Concen: 55.489 ug/l  
RT: 13.036 min Scan# 1887  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 91 Resp: 2472422  
Ion Ratio Lower Upper  
91 100  
120 23.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 51.334 ug/l

RT: 13.130 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

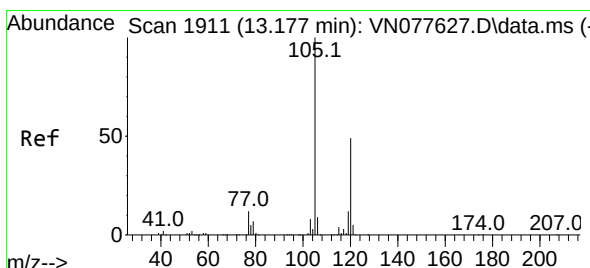
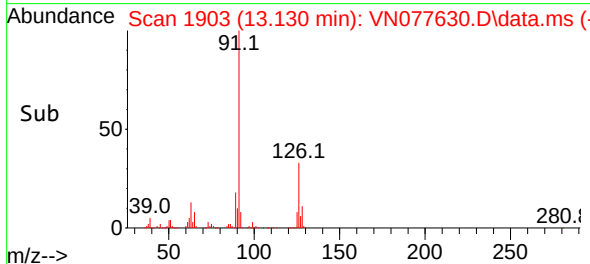
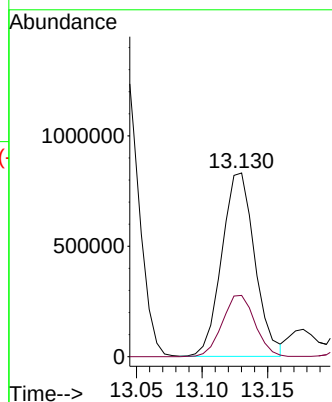
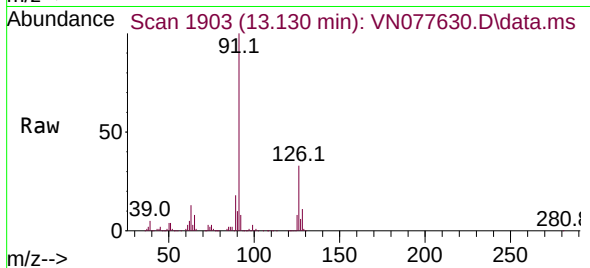
ICVVN050923

Tgt Ion: 91 Resp: 1456821

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 57.167 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN077630.D

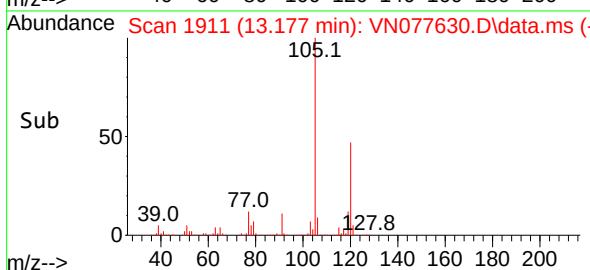
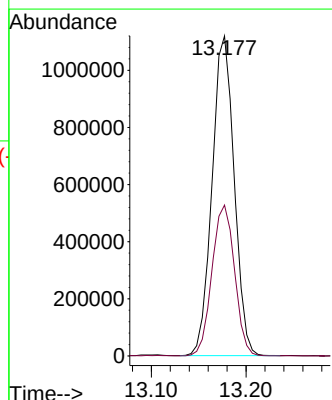
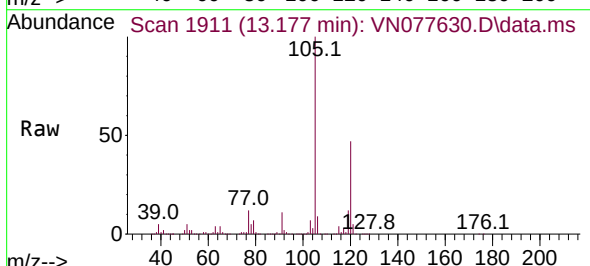
Acq: 09 May 2023 14:10

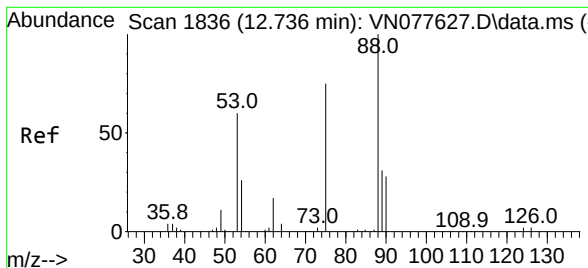
Tgt Ion:105 Resp: 1815378

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3

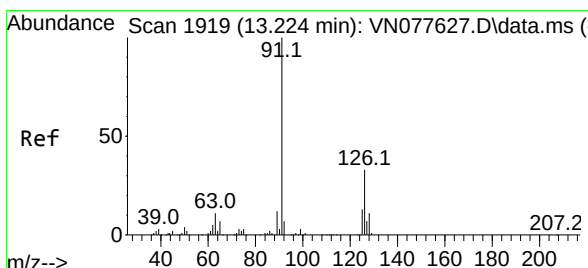
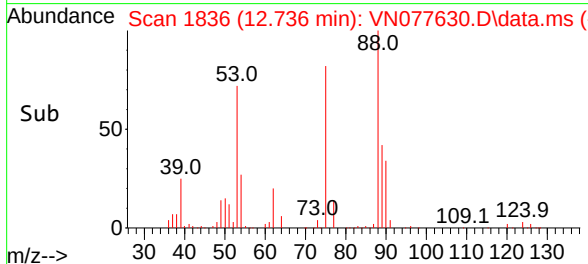
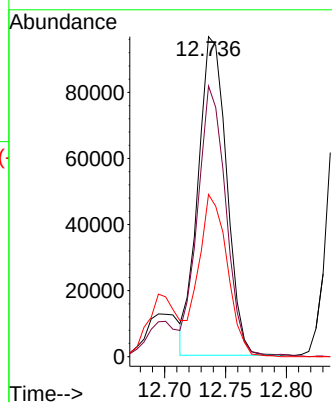
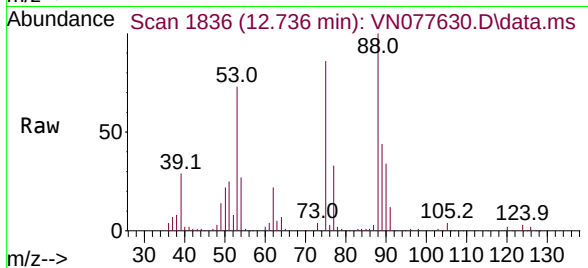




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.155 ug/l  
RT: 12.736 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

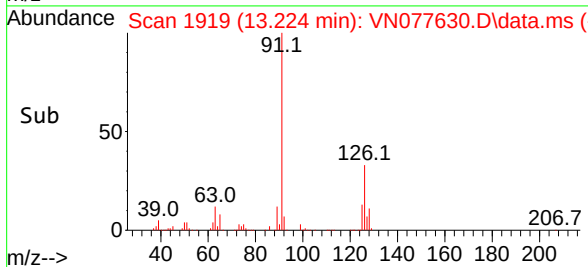
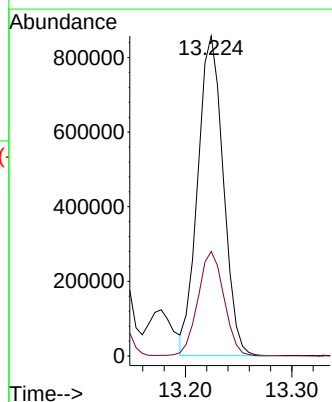
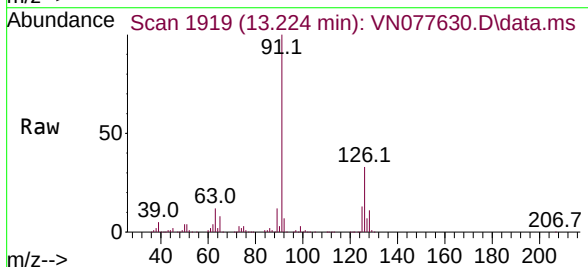
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

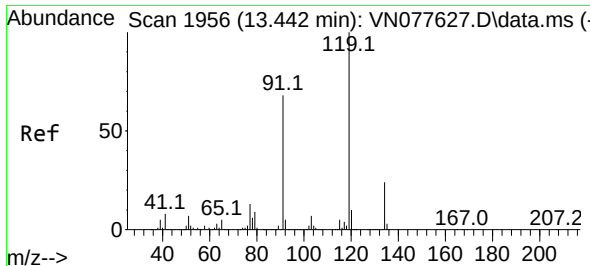
Tgt Ion: 75 Resp: 157282  
Ion Ratio Lower Upper  
75 100  
53 83.0 67.4 101.2  
89 50.0 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 53.716 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion: 91 Resp: 1429623  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.7 50.0

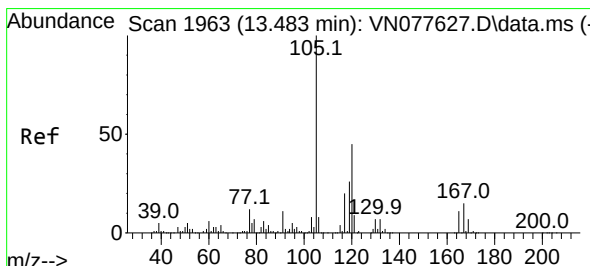
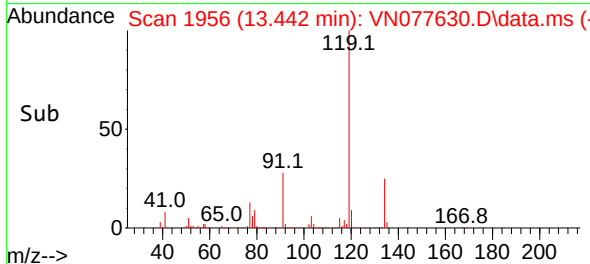
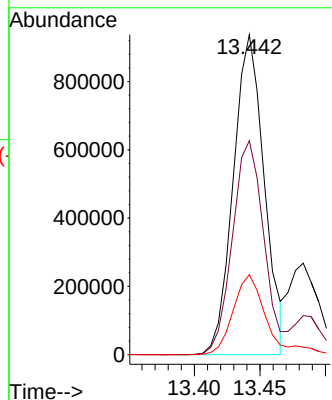
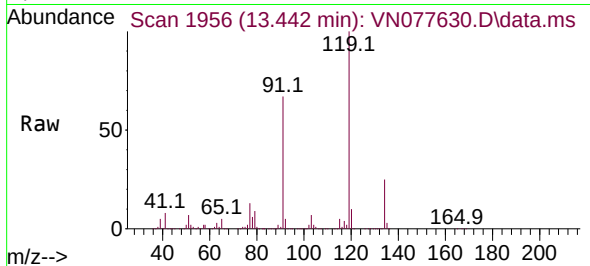




#83  
tert-Butylbenzene  
Concen: 51.583 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

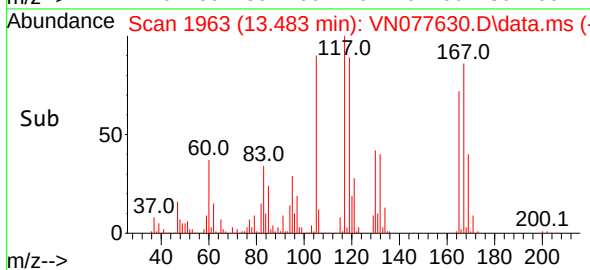
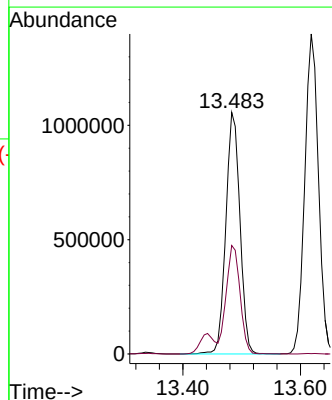
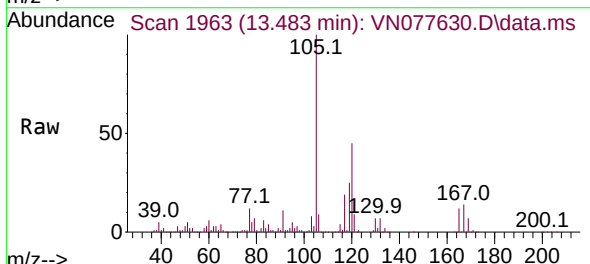
Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

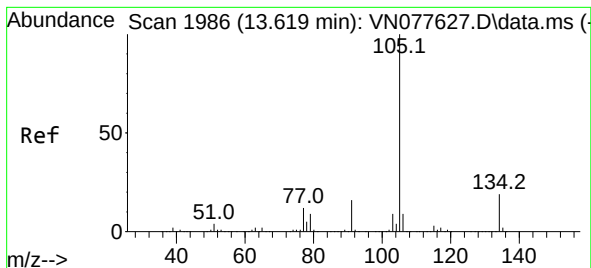
Tgt Ion:119 Resp: 1539239  
Ion Ratio Lower Upper  
119 100  
91 68.9 33.9 101.7  
134 26.9 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 58.805 ug/l  
RT: 13.483 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:105 Resp: 1754916  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.0 66.0





#85

sec-Butylbenzene

Concen: 56.325 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

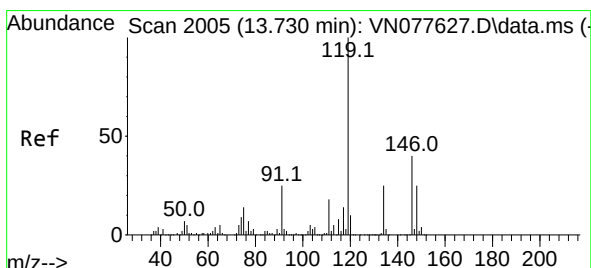
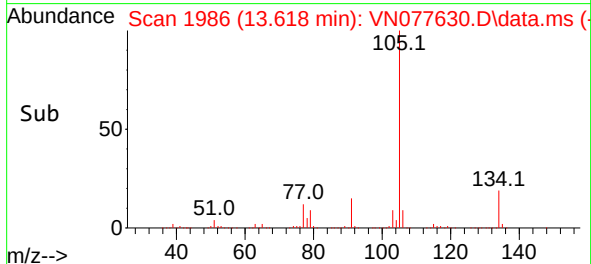
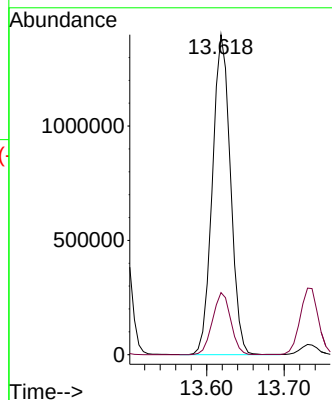
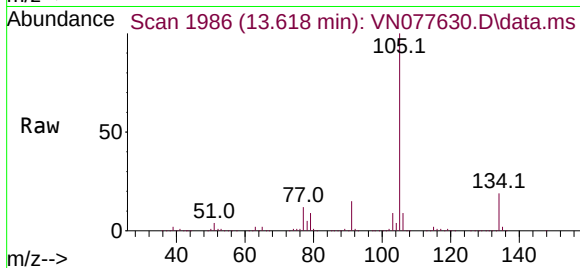
ICVVN050923

Tgt Ion:105 Resp: 2262527

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



#86

p-Isopropyltoluene

Concen: 58.342 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

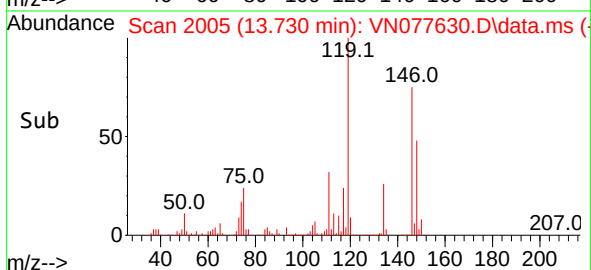
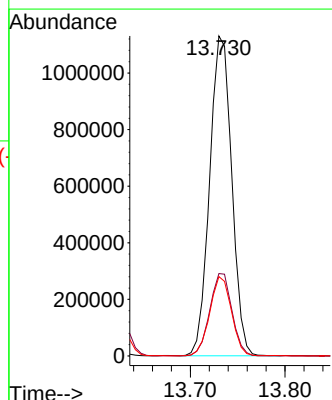
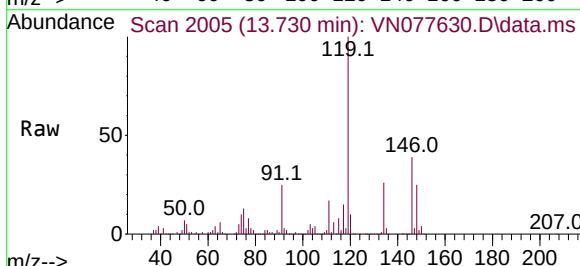
Tgt Ion:119 Resp: 1832590

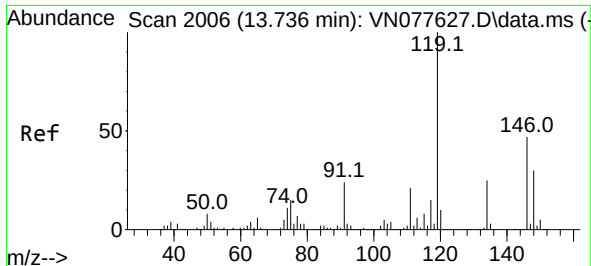
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

91 24.3 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 52.940 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

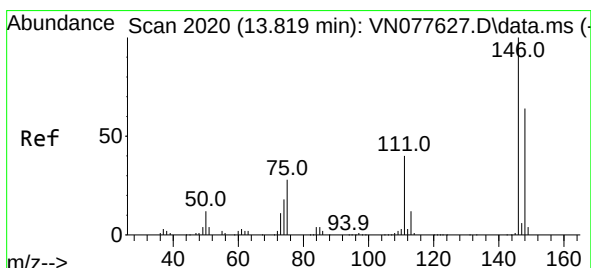
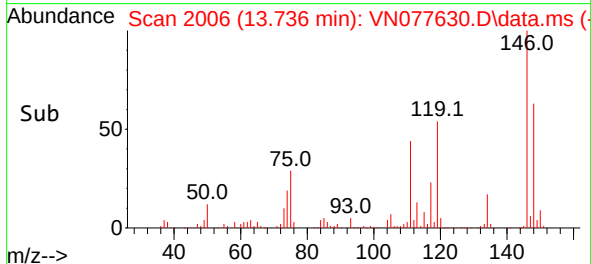
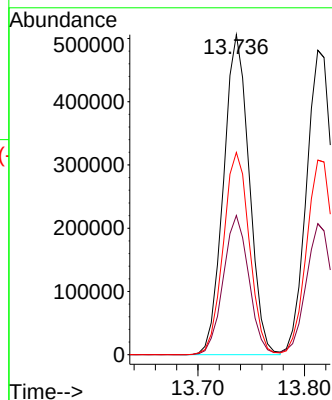
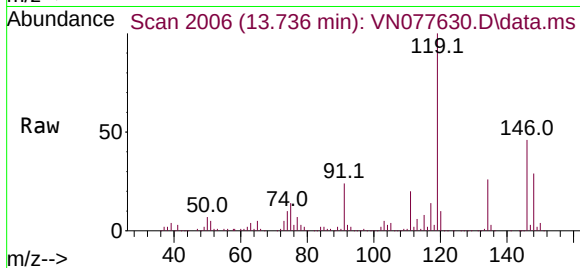
Tgt Ion:146 Resp: 845900

Ion Ratio Lower Upper

146 100

111 43.2 22.1 66.3

148 64.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 52.750 ug/l

RT: 13.812 min Scan# 2019

Delta R.T. -0.007 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

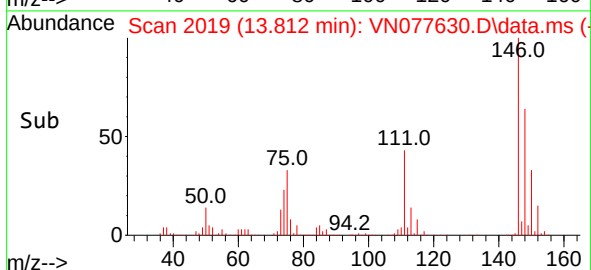
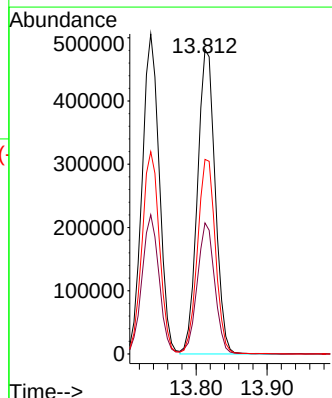
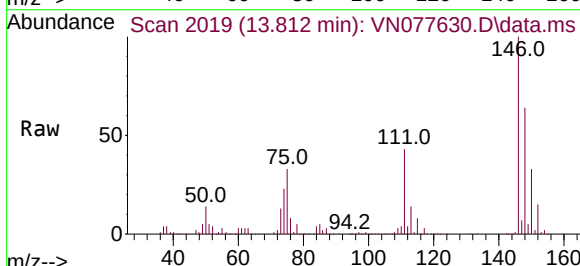
Tgt Ion:146 Resp: 837897

Ion Ratio Lower Upper

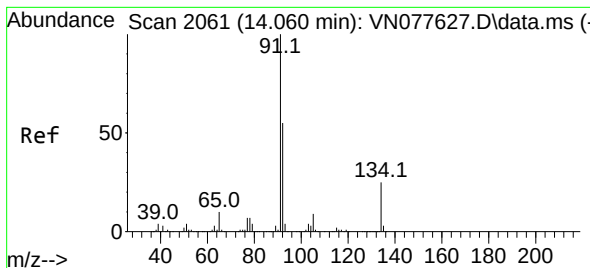
146 100

111 42.6 20.6 61.8

148 64.2 31.6 94.8







#89

n-Butylbenzene

Concen: 63.261 ug/l

RT: 14.059 min Scan# 2061

Delta R.T. -0.001 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

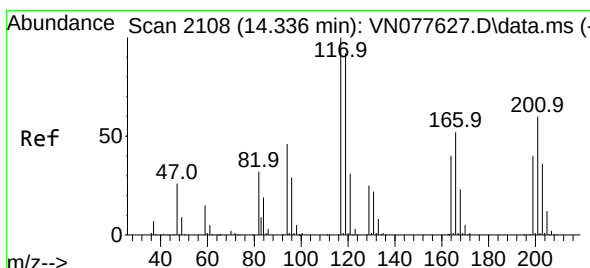
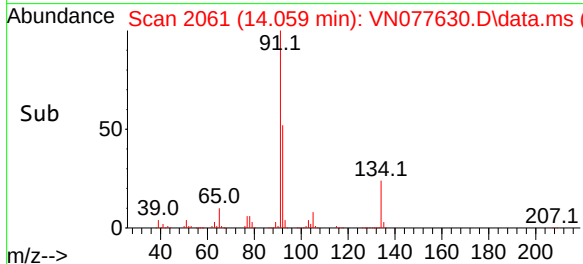
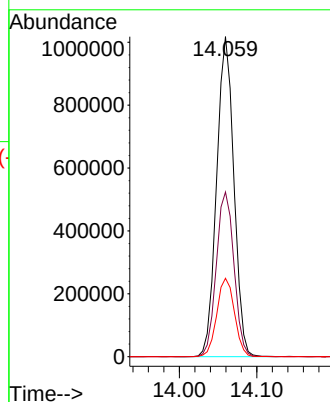
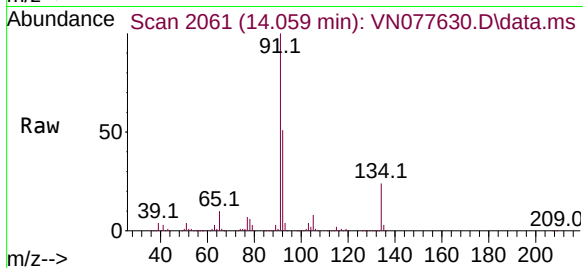
MSVOA\_N

ClientSampleId :

ICVVN050923

Tgt Ion: 91 Resp: 1574669

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.8  | 26.4  | 79.0  |
| 134 | 25.1  | 12.6  | 37.6  |



#90

Hexachloroethane

Concen: 53.870 ug/l

RT: 14.336 min Scan# 2108

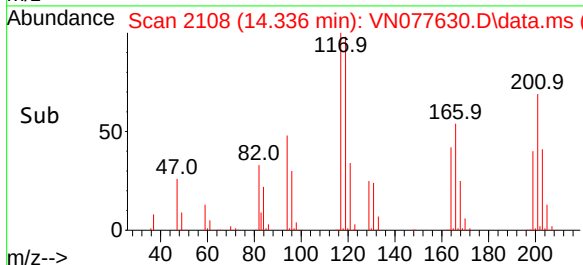
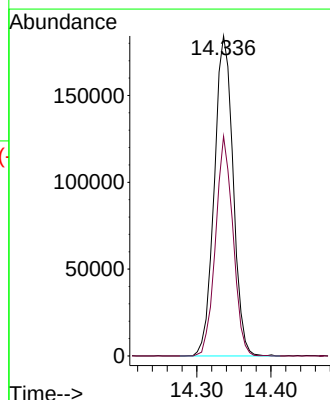
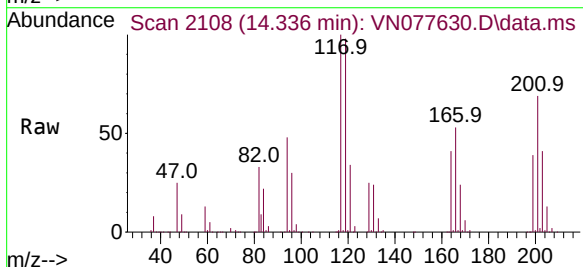
Delta R.T. -0.000 min

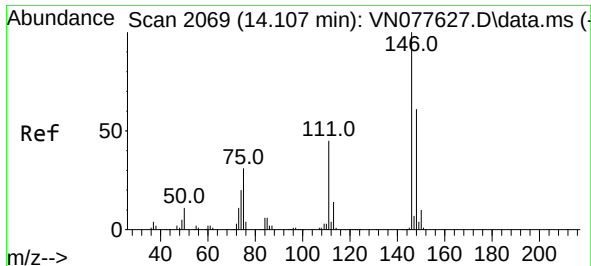
Lab File: VN077630.D

Acq: 09 May 2023 14:10

Tgt Ion: 117 Resp: 324507

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 63.6  | 29.3  | 88.0  |





#91

1,2-Dichlorobenzene

Concen: 51.773 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923

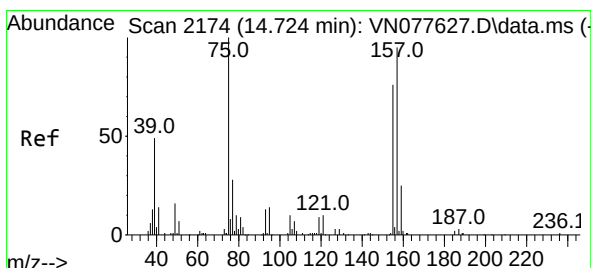
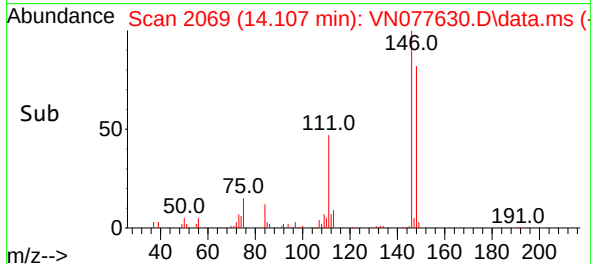
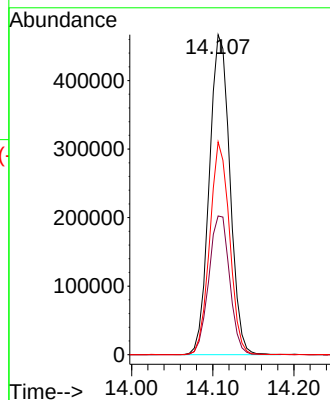
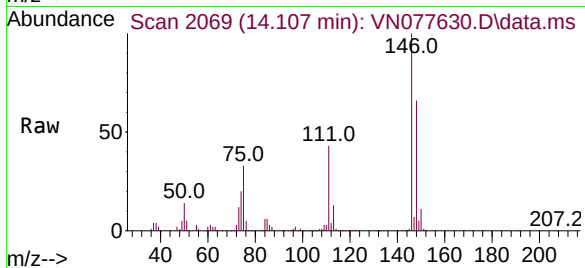
Tgt Ion:146 Resp: 822470

Ion Ratio Lower Upper

146 100

111 44.0 22.0 66.0

148 63.8 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.305 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

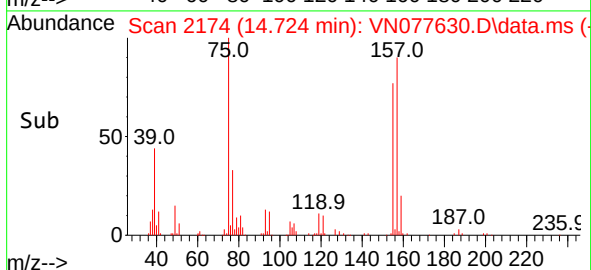
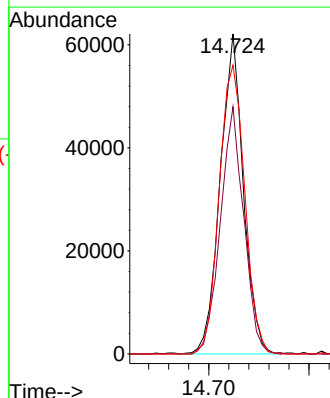
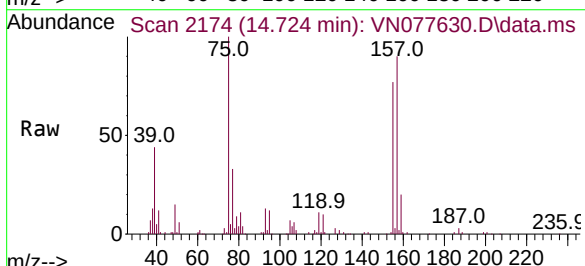
Tgt Ion: 75 Resp: 99568

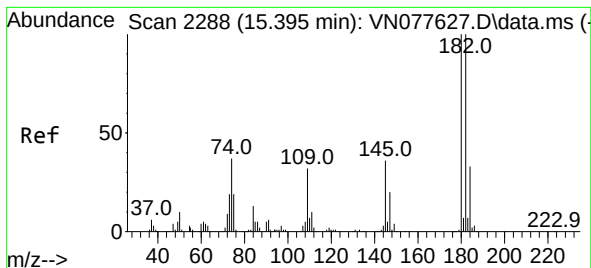
Ion Ratio Lower Upper

75 100

155 78.2 39.1 117.2

157 99.3 50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 49.051 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077630.D

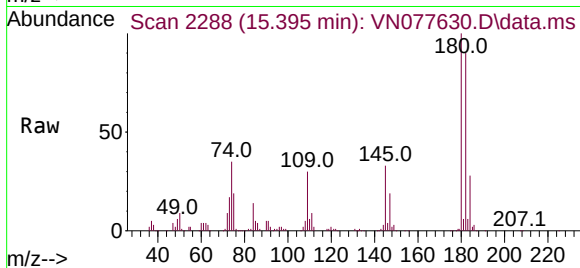
Acq: 09 May 2023 14:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN050923



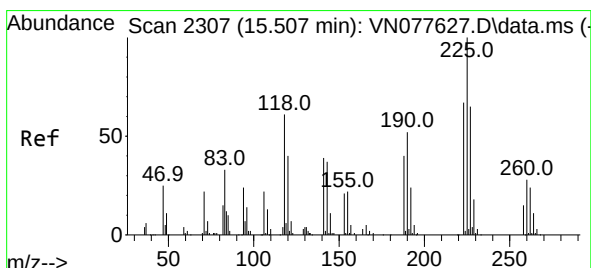
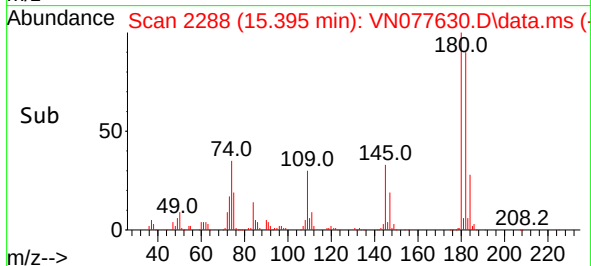
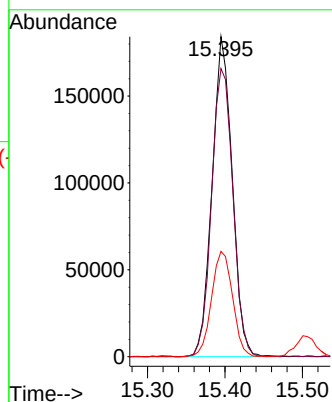
Tgt Ion:180 Resp: 332225

Ion Ratio Lower Upper

180 100

182 95.4 46.1 138.2

145 34.4 16.6 49.8



#94

Hexachlorobutadiene

Concen: 55.812 ug/l

RT: 15.506 min Scan# 2307

Delta R.T. -0.001 min

Lab File: VN077630.D

Acq: 09 May 2023 14:10

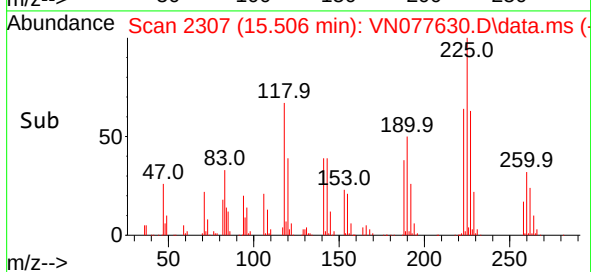
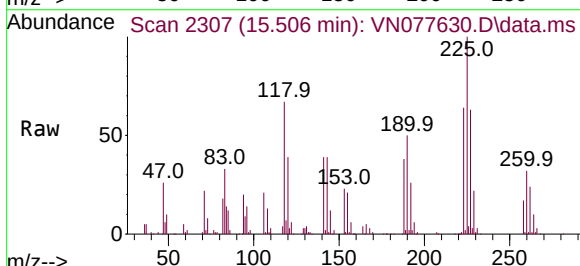
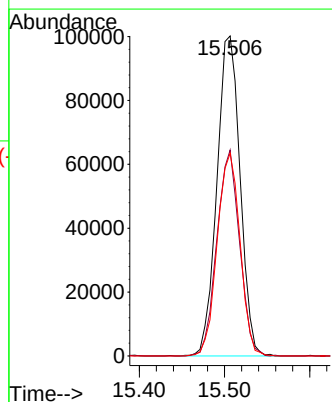
Tgt Ion:225 Resp: 189430

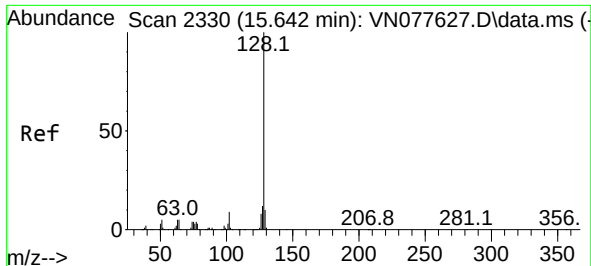
Ion Ratio Lower Upper

225 100

223 62.8 31.3 93.8

227 62.2 31.9 95.9

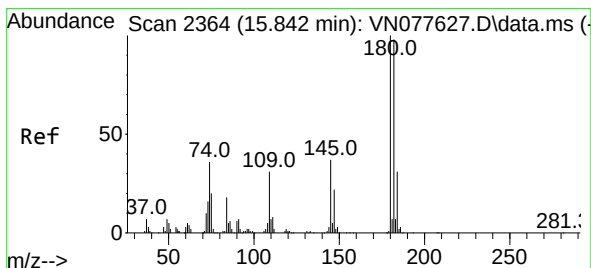
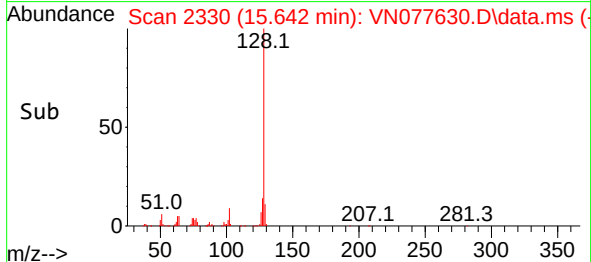
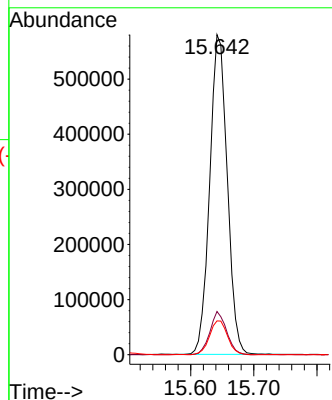
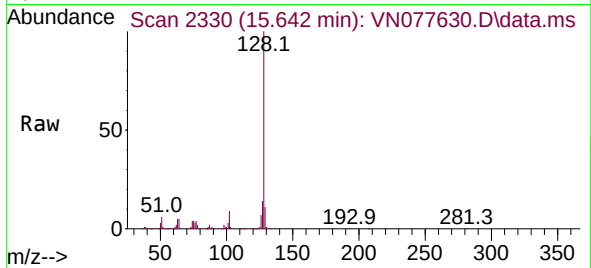




#95  
Naphthalene  
Concen: 47.829 ug/l  
RT: 15.642 min Scan# 2330  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN050923

Tgt Ion:128 Resp: 1117841  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.0 15.0  
129 10.9 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 47.837 ug/l  
RT: 15.842 min Scan# 2364  
Delta R.T. -0.000 min  
Lab File: VN077630.D  
Acq: 09 May 2023 14:10

Tgt Ion:180 Resp: 300964  
Ion Ratio Lower Upper  
180 100  
182 92.9 46.2 138.6  
145 36.2 17.5 52.6

