

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042524\  
 Data File : VN081852.D  
 Acq On : 25 Apr 2024 15:53  
 Operator : JC\MD  
 Sample : VN0425WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0425WBSD01

Quant Time: Apr 26 05:35:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 217734     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 420458     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 355516     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 152445     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 170111     | 46.292  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 92.580% |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 113963     | 45.018  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 90.040% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 455874     | 45.852  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 91.700% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 170518     | 43.386  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = | 86.780% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 57750      | 18.894  | ug/l   | 98       |
| 3) Chloromethane             | 2.365          | 50   | 57916      | 18.164  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.518          | 62   | 55993      | 19.399  | ug/l   | 97       |
| 5) Bromomethane              | 2.959          | 94   | 25164      | 17.123  | ug/l   | 95       |
| 6) Chloroethane              | 3.124          | 64   | 28329      | 19.419  | ug/l # | 87       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 82407      | 18.457  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959          | 74   | 37546      | 19.796  | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 51582      | 19.899  | ug/l   | 91       |
| 10) Methyl Iodide            | 4.589          | 142  | 46489      | 20.476  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 70414      | 105.404 | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 50263      | 19.060  | ug/l # | 82       |
| 13) Acrolein                 | 4.183          | 56   | 50389      | 92.066  | ug/l   | 96       |
| 14) Allyl chloride           | 5.024          | 41   | 101499     | 18.196  | ug/l # | 92       |
| 15) Acrylonitrile            | 5.718          | 53   | 155932     | 97.207  | ug/l   | 96       |
| 16) Acetone                  | 4.430          | 43   | 114455     | 102.092 | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.718          | 76   | 139330     | 17.578  | ug/l # | 93       |
| 18) Methyl Acetate           | 5.024          | 43   | 73897      | 19.853  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.795          | 73   | 197631     | 19.860  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.277          | 84   | 59600      | 18.925  | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 52215      | 18.160  | ug/l # | 77       |
| 22) Diisopropyl ether        | 6.665          | 45   | 214089     | 19.834  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.606          | 43   | 877541     | 100.056 | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 108633     | 19.336  | ug/l   | 98       |
| 25) 2-Butanone               | 7.483          | 43   | 203352     | 97.498  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 98976      | 19.151  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 65320      | 19.441  | ug/l   | 86       |
| 28) Bromochloromethane       | 7.812          | 49   | 52507      | 19.664  | ug/l # | 74       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 141257     | 94.443  | ug/l   | 89       |
| 30) Chloroform               | 7.965          | 83   | 105301     | 18.909  | ug/l   | 96       |
| 31) Cyclohexane              | 8.259          | 56   | 101250     | 18.290  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 90777      | 18.279  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 75301      | 18.284  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.553          | 43   | 89353      | 20.066  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 74511      | 18.511  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.600          | 83   | 94180      | 18.829  | ug/l   | 90       |
| 40) Benzene                  | 8.606          | 78   | 237417     | 19.203  | ug/l   | 93       |

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 Sample : VN0425WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0425WBSD01

Quant Time: Apr 26 05:35:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 26 05:26:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 52507    | 18.480  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 87012    | 18.953  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 162671   | 19.429  | ug/l   | 94       |
| 44) Trichloroethene           | 9.353  | 130  | 54030    | 18.955  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 63703    | 19.688  | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 40692    | 18.195  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.888  | 83   | 89803    | 19.041  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 79237    | 19.824  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 24308    | 400.123 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 467720   | 99.232  | ug/l   | 93       |
| 52) Toluene                   | 10.635 | 92   | 149280   | 20.162  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 102148   | 19.904  | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 103691   | 19.604  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 55017    | 18.894  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 107702   | 19.425  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 102473   | 19.795  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 241738   | 95.704  | ug/l   | 89       |
| 59) 2-Hexanone                | 11.194 | 43   | 350536   | 99.932  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 60216    | 19.525  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 54469    | 19.561  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 52340    | 20.270  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.894 | 112  | 152051   | 19.585  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 50850    | 20.153  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.965 | 91   | 282787   | 19.586  | ug/l   | 96       |
| 68) m/p-Xylenes               | 12.071 | 106  | 204878   | 39.781  | ug/l   | 91       |
| 69) o-Xylene                  | 12.400 | 106  | 100245   | 19.937  | ug/l   | 88       |
| 70) Styrene                   | 12.412 | 104  | 168052   | 19.321  | ug/l   | 93       |
| 71) Bromoform                 | 12.582 | 173  | 36582    | 18.442  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.694 | 105  | 253438   | 18.699  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 145933   | 19.339  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 70501    | 17.321  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 112728   | 28.520  | ug/l   | 64       |
| 77) Bromobenzene              | 12.982 | 156  | 53180    | 18.750  | ug/l   | 67       |
| 78) n-propylbenzene           | 13.035 | 91   | 308640   | 18.747  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 190853   | 18.221  | ug/l   | 90       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 215312   | 18.773  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 32024    | 16.602  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 190167   | 18.700  | ug/l   | 89       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 179084   | 18.750  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 217173   | 18.961  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 251316   | 18.680  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 207430   | 19.202  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 98239    | 18.563  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 99709    | 19.133  | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.059 | 91   | 189306   | 18.827  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.335 | 117  | 38446    | 18.092  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 95384    | 18.801  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 16735    | 16.888  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 53430    | 18.825  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 20838    | 19.919  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 197523   | 18.417  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 53282    | 19.553  | ug/l   | 97       |

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Data File : VN081852.D  
Acq On : 25 Apr 2024 15:53  
Operator : JC\MD  
Sample : VN0425WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

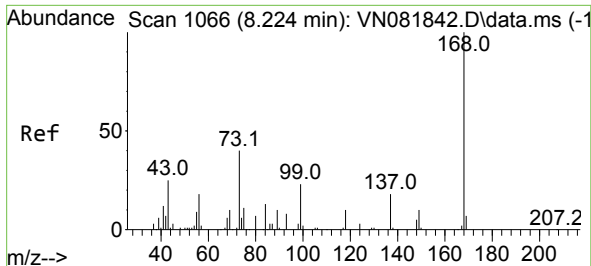
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

Quant Time: Apr 26 05:35:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042524W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 26 05:26:49 2024  
Response via : Initial Calibration

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

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

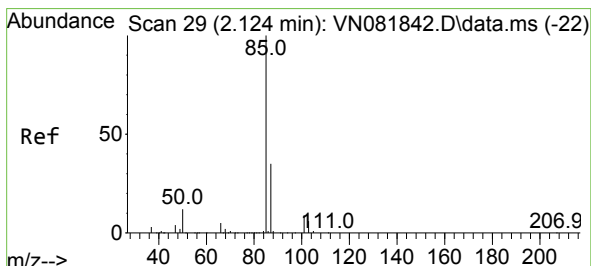
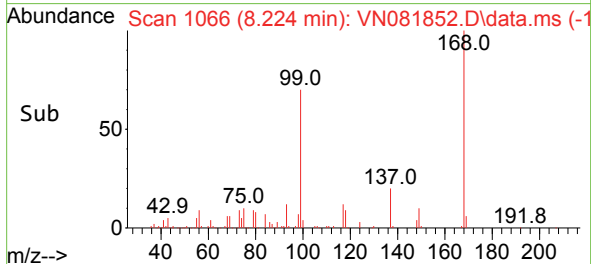
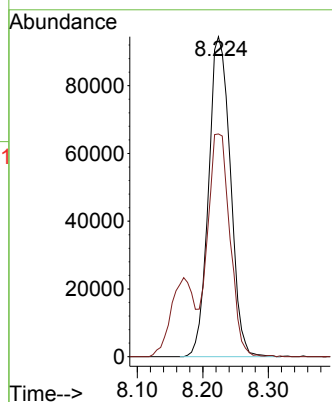
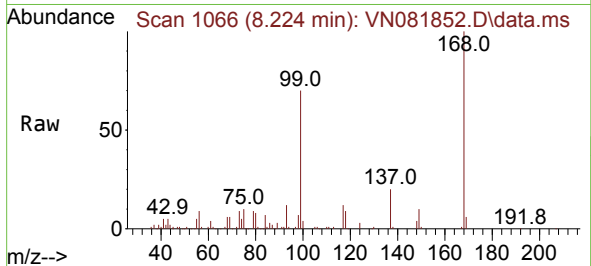




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

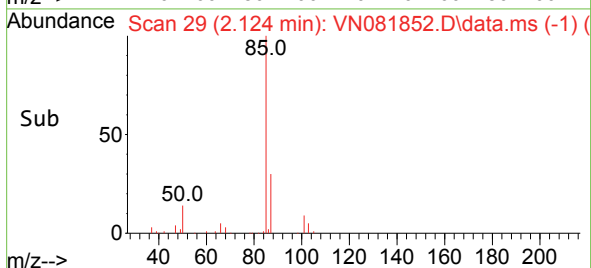
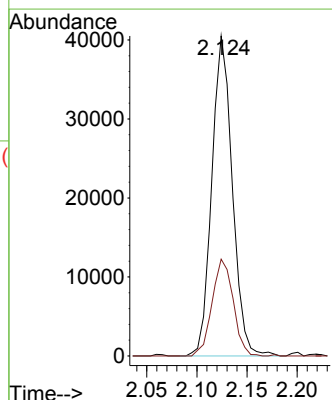
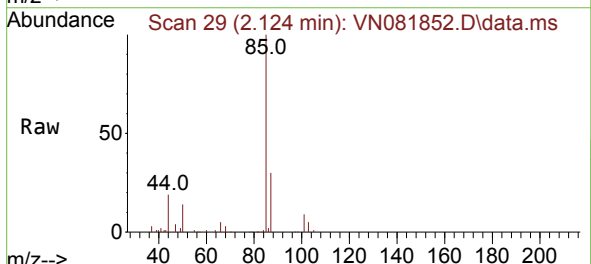
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

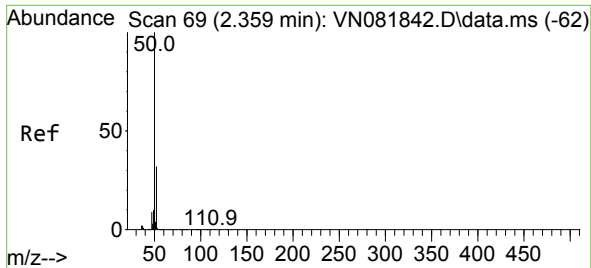
Tgt Ion:168 Resp: 217734  
Ion Ratio Lower Upper  
168 100  
99 69.4 48.2 72.4



#2  
Dichlorodifluoromethane  
Concen: 18.894 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 85 Resp: 57750  
Ion Ratio Lower Upper  
85 100  
87 30.3 15.8 47.4

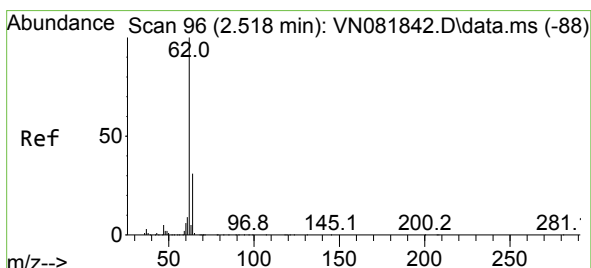
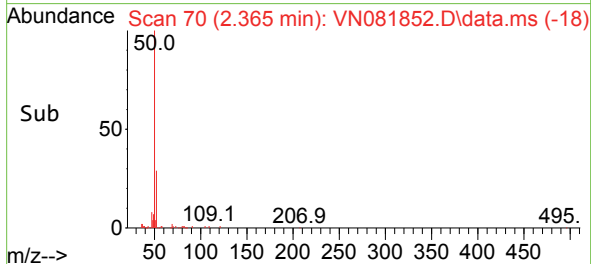
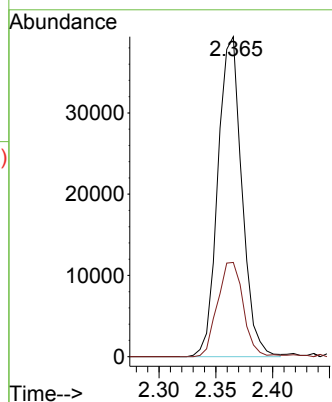
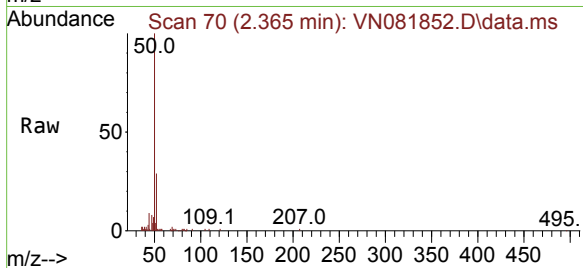




#3  
Chloromethane  
Concen: 18.164 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

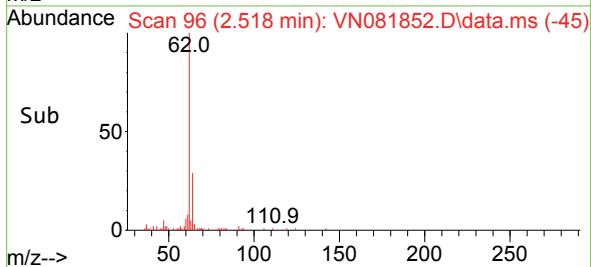
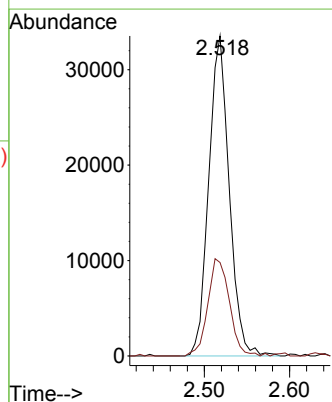
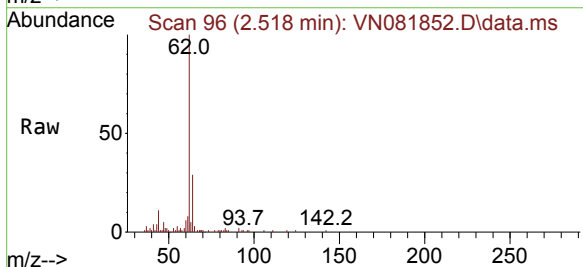
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

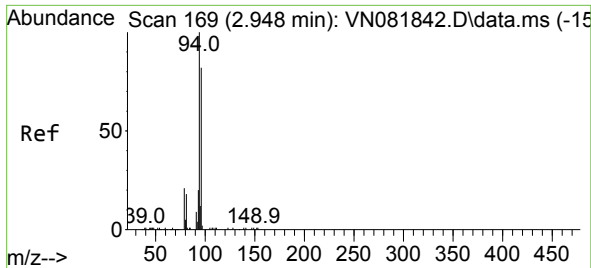
Tgt Ion: 50 Resp: 57916  
Ion Ratio Lower Upper  
50 100  
52 29.4 25.5 38.3



#4  
Vinyl Chloride  
Concen: 19.399 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 62 Resp: 55993  
Ion Ratio Lower Upper  
62 100  
64 29.2 24.6 37.0

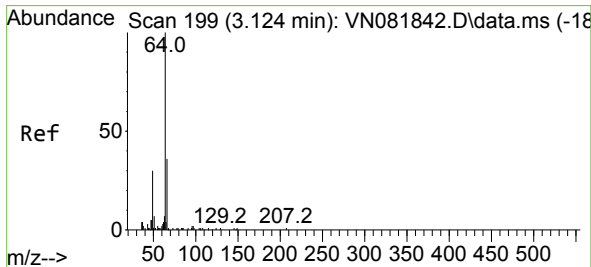
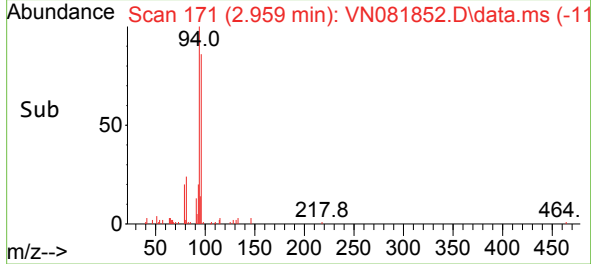
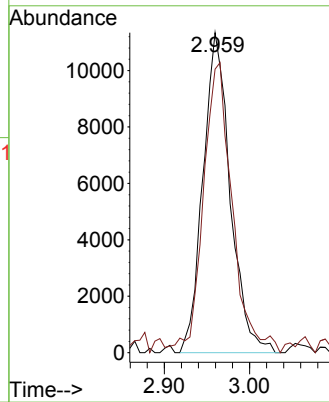
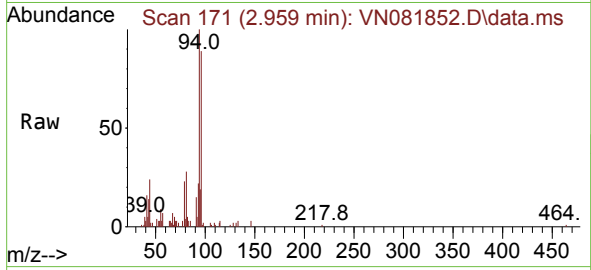




#5  
Bromomethane  
Concen: 17.123 ug/l  
RT: 2.959 min Scan# 171  
Delta R.T. 0.011 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

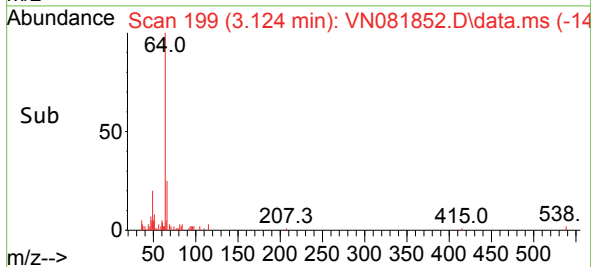
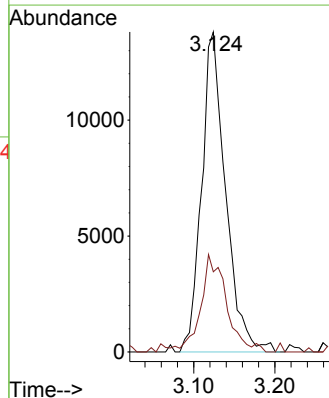
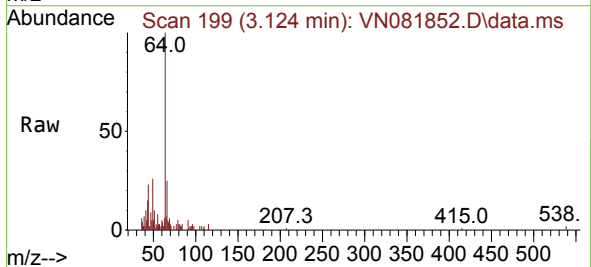
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

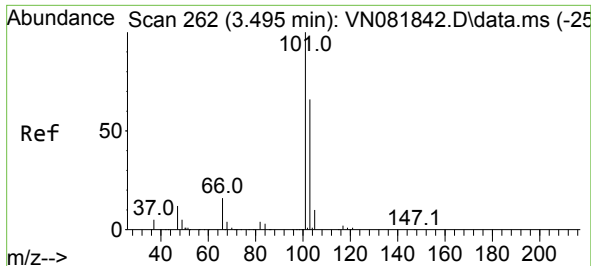
Tgt Ion: 94 Resp: 25164  
Ion Ratio Lower Upper  
94 100  
96 88.6 74.8 112.2



#6  
Chloroethane  
Concen: 19.419 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 64 Resp: 28329  
Ion Ratio Lower Upper  
64 100  
66 23.9 24.7 37.1#

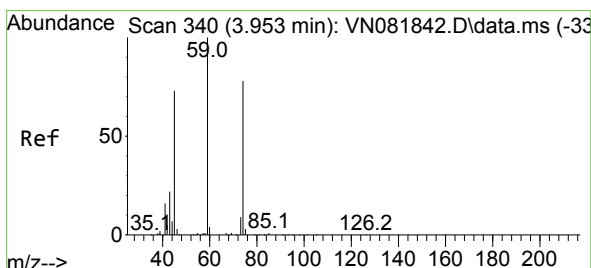
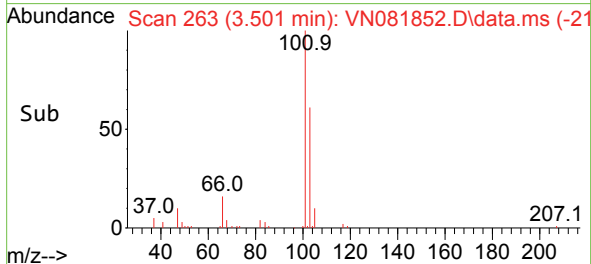
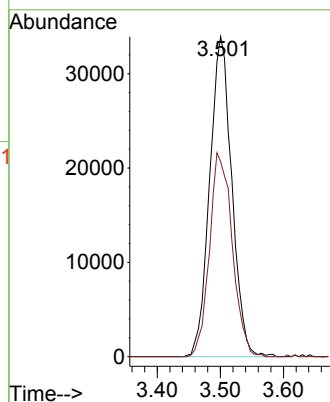
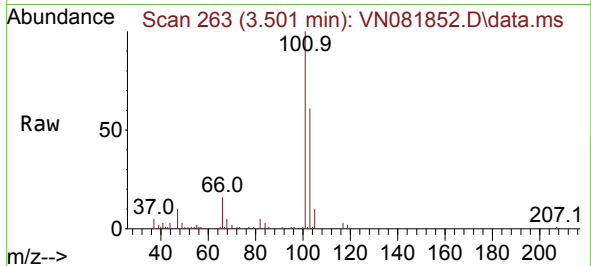




#7  
Trichlorofluoromethane  
Concen: 18.457 ug/l  
RT: 3.501 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

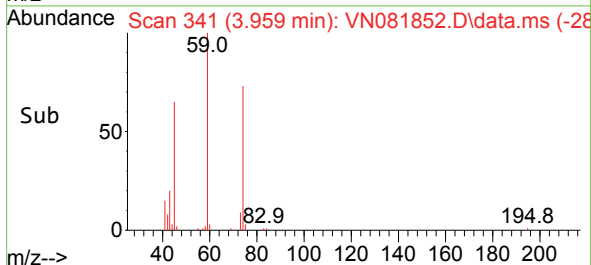
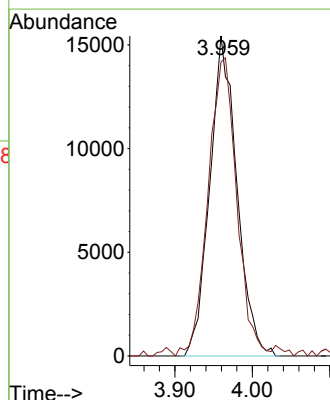
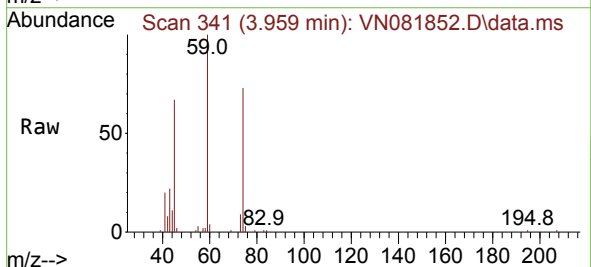
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

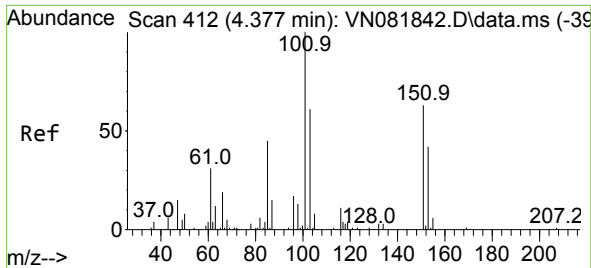
Tgt Ion:101 Resp: 82407  
Ion Ratio Lower Upper  
101 100  
103 60.8 50.6 75.8



#8  
Diethyl Ether  
Concen: 19.796 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 74 Resp: 37546  
Ion Ratio Lower Upper  
74 100  
45 98.5 42.4 127.3

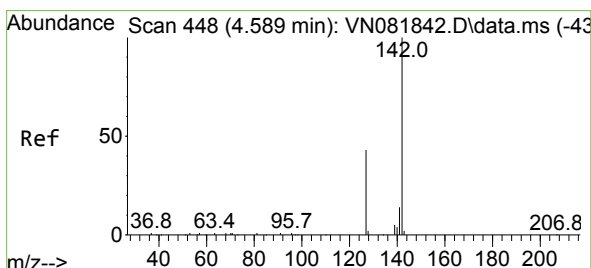
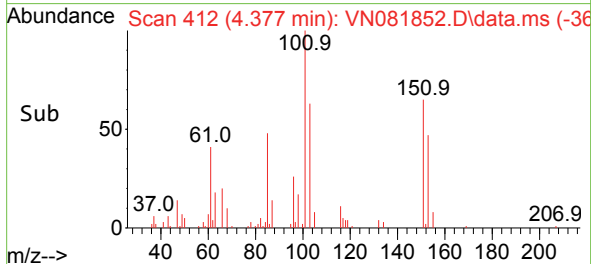
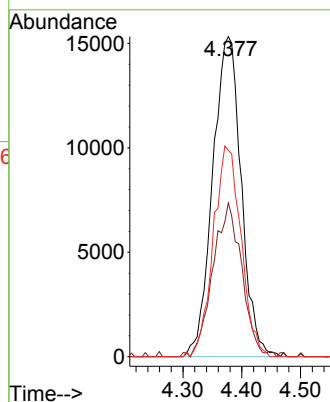
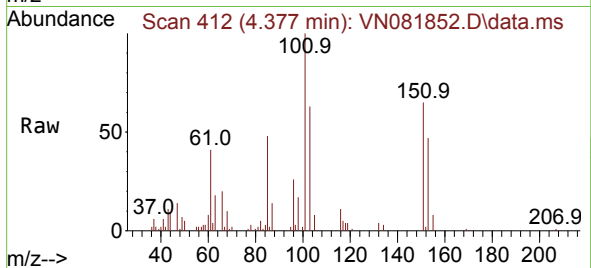




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.899 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

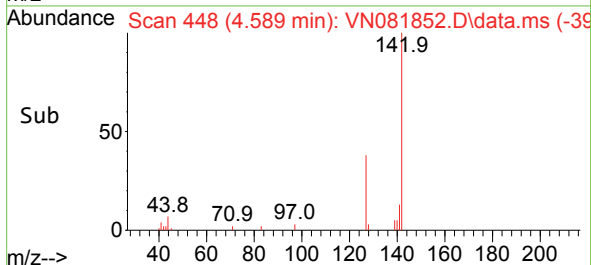
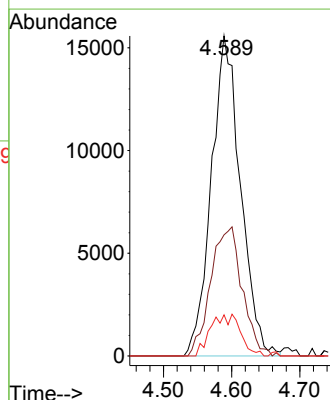
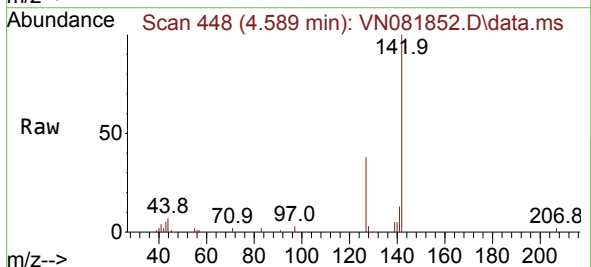
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

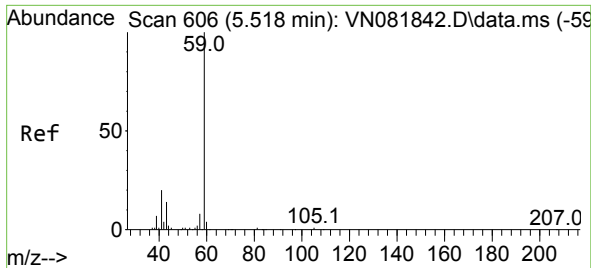
Tgt Ion:101 Resp: 51582  
Ion Ratio Lower Upper  
101 100  
85 48.7 37.3 55.9  
151 63.9 59.2 88.8



#10  
Methyl Iodide  
Concen: 20.476 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion:142 Resp: 46489  
Ion Ratio Lower Upper  
142 100  
127 37.9 35.8 53.6  
141 12.9 11.4 17.2

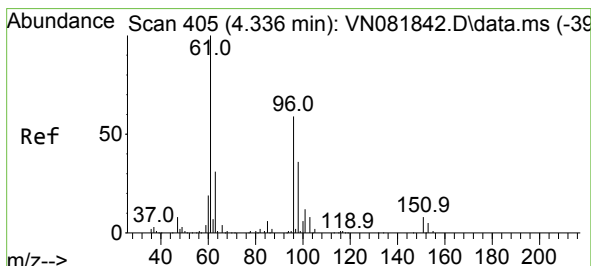
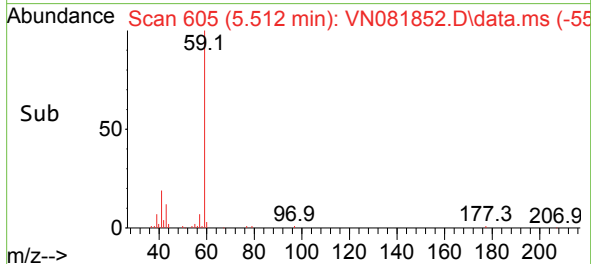
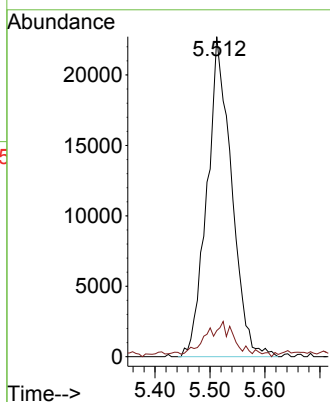
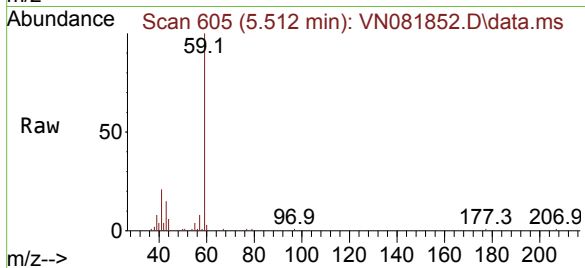




#11  
Tert butyl alcohol  
Concen: 105.404 ug/l  
RT: 5.512 min Scan# 606  
Delta R.T. -0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

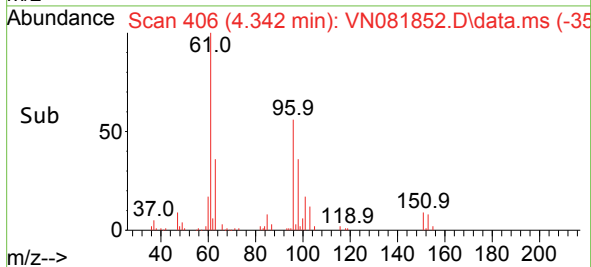
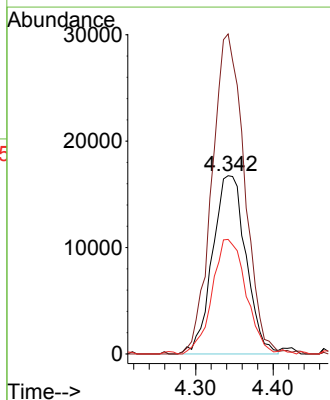
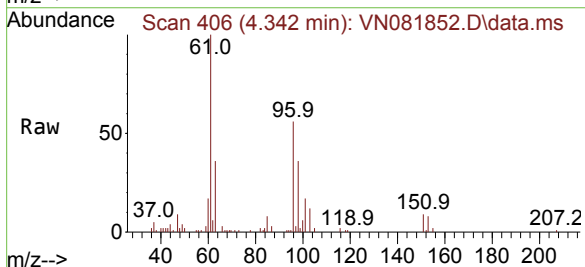
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

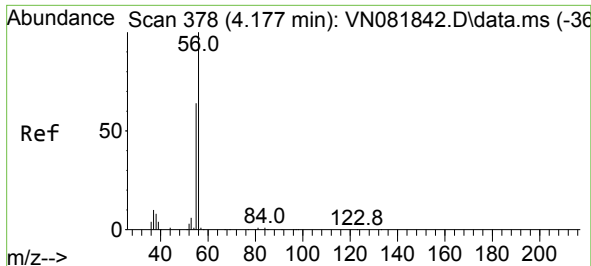
Tgt Ion: 59 Resp: 70414  
Ion Ratio Lower Upper  
59 100  
57 6.5 8.9 13.3#



#12  
1,1-Dichloroethene  
Concen: 19.060 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 96 Resp: 50263  
Ion Ratio Lower Upper  
96 100  
61 179.6 119.7 179.5#  
98 64.3 49.6 74.4





#13

Acrolein

Concen: 92.066 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

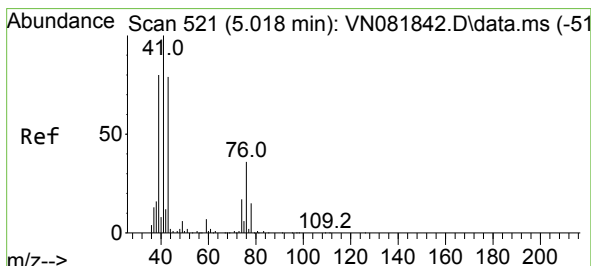
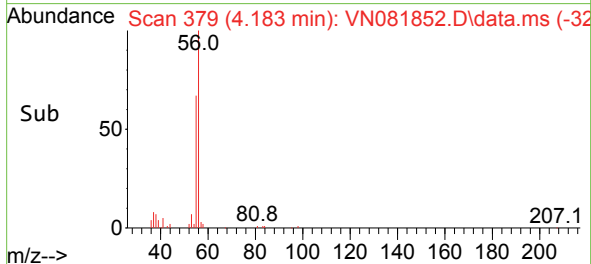
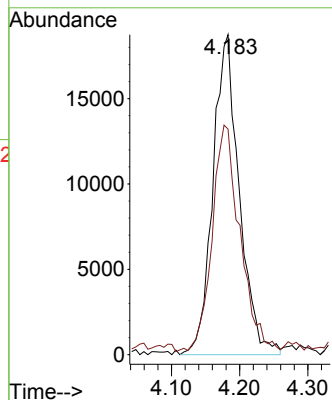
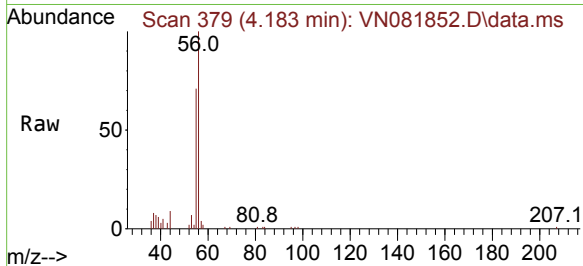
VN0425WBSD01

Tgt Ion: 56 Resp: 50389

Ion Ratio Lower Upper

56 100

55 73.2 55.8 83.8



#14

Allyl chloride

Concen: 18.196 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

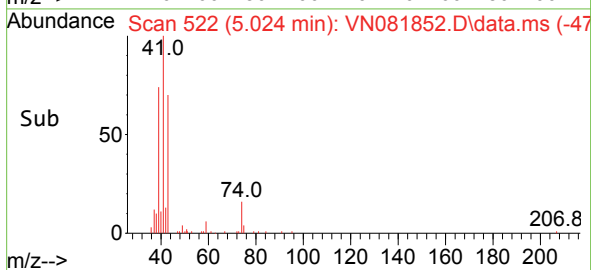
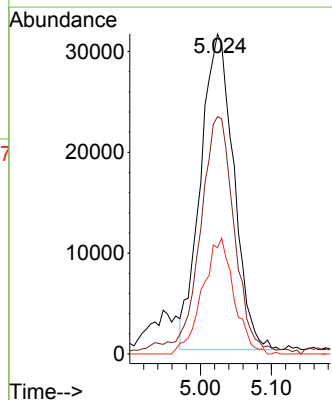
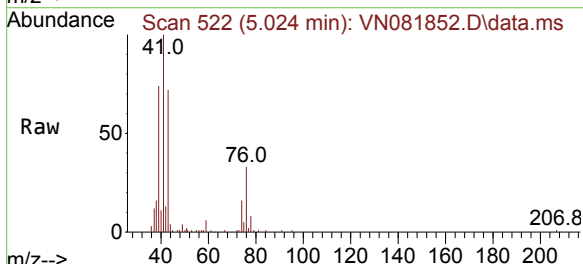
Tgt Ion: 41 Resp: 101499

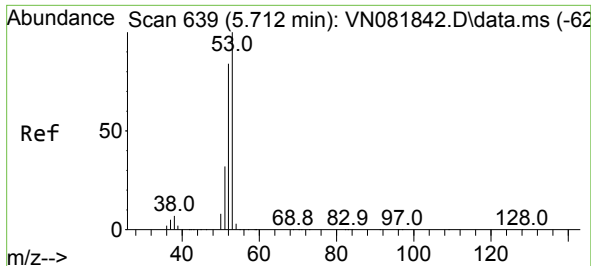
Ion Ratio Lower Upper

41 100

39 79.6 65.4 98.0

76 34.7 37.3 55.9#

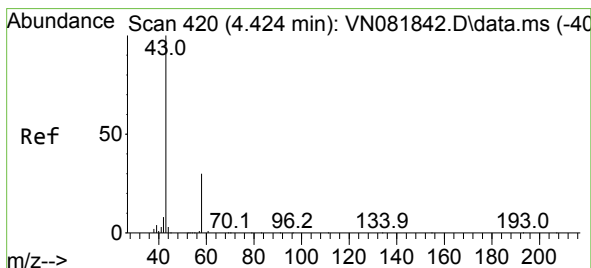
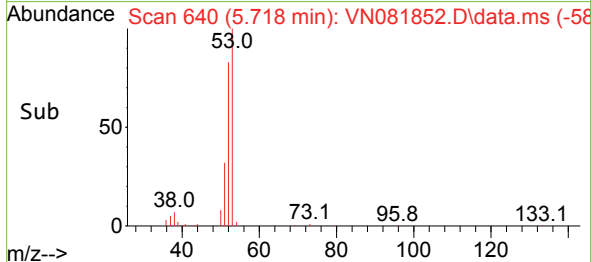
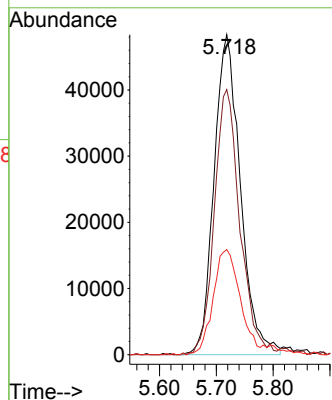
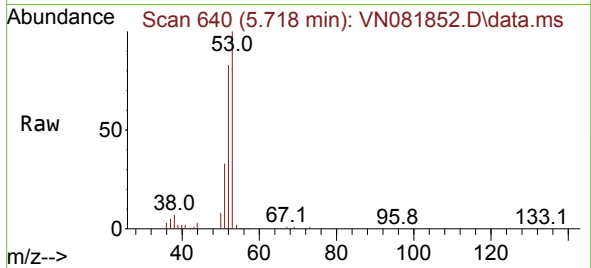




#15  
Acrylonitrile  
Concen: 97.207 ug/l  
RT: 5.718 min Scan# 64  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

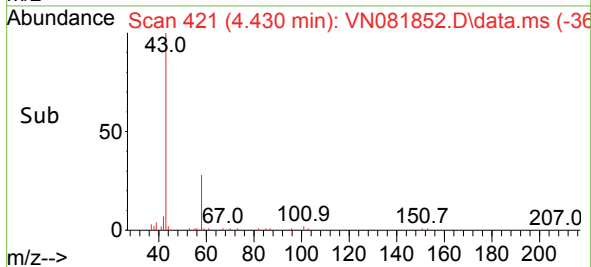
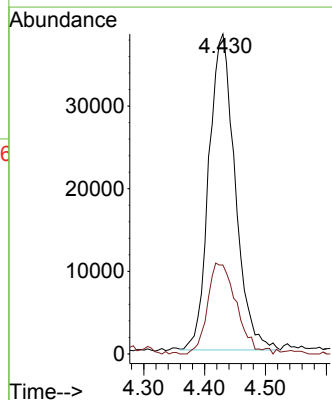
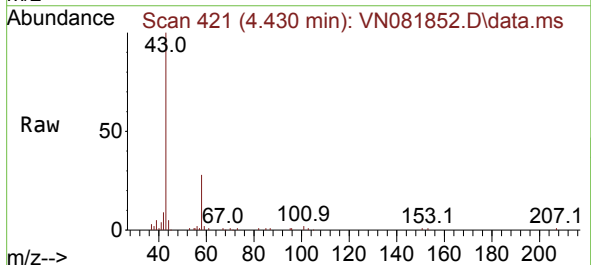
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

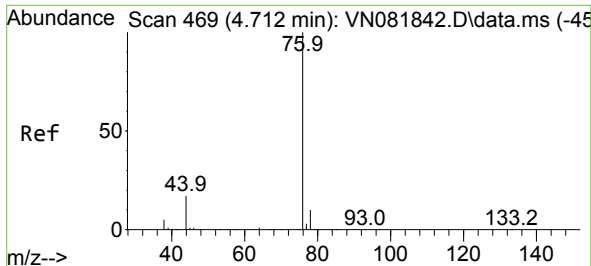
Tgt Ion: 53 Resp: 155932  
Ion Ratio Lower Upper  
53 100  
52 80.2 66.1 99.1  
51 33.5 29.4 44.2



#16  
Acetone  
Concen: 102.092 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 43 Resp: 114455  
Ion Ratio Lower Upper  
43 100  
58 28.1 25.2 37.8

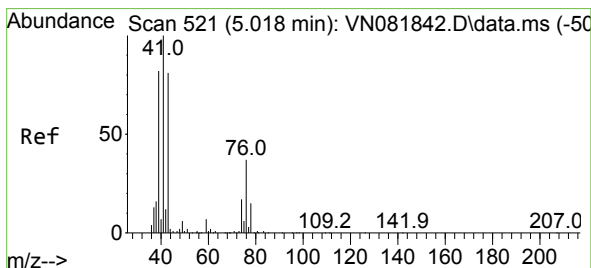
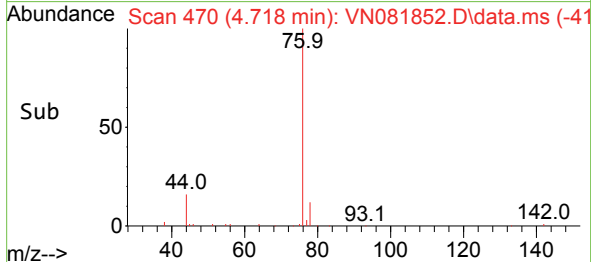
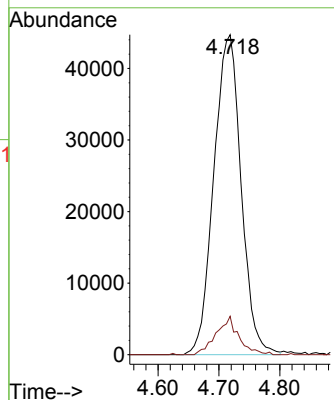
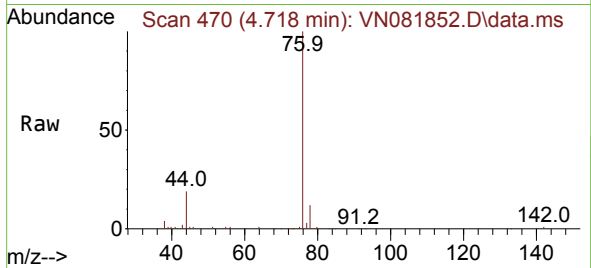




#17  
Carbon Disulfide  
Concen: 17.578 ug/l  
RT: 4.718 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

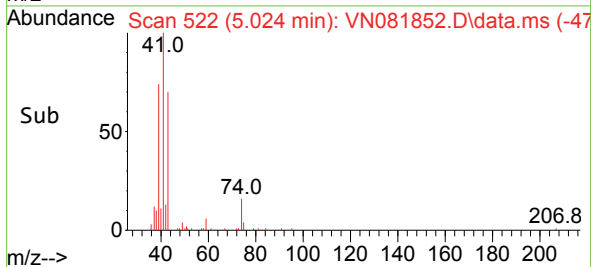
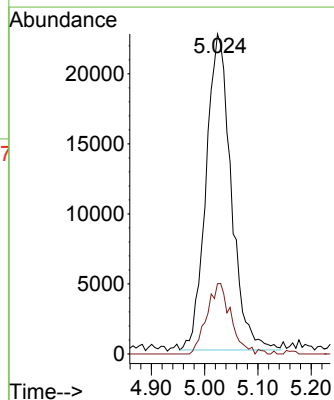
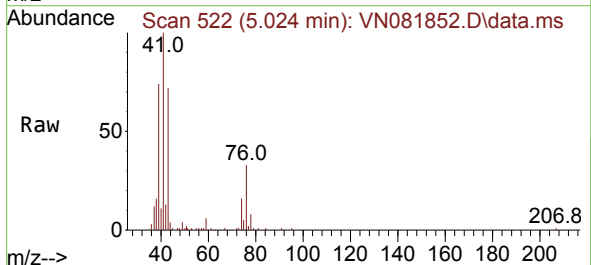
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

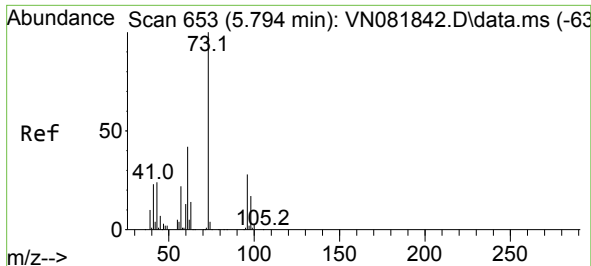
Tgt Ion: 76 Resp: 139330  
Ion Ratio Lower Upper  
76 100  
78 12.0 7.5 11.3#



#18  
Methyl Acetate  
Concen: 19.853 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 43 Resp: 73897  
Ion Ratio Lower Upper  
43 100  
74 21.1 22.2 33.2#

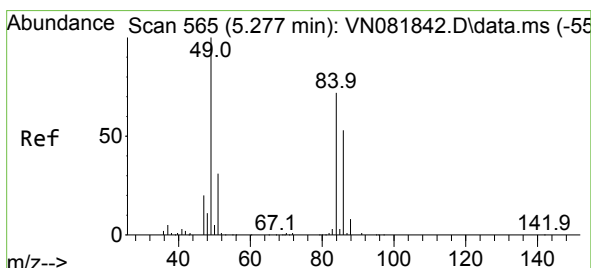
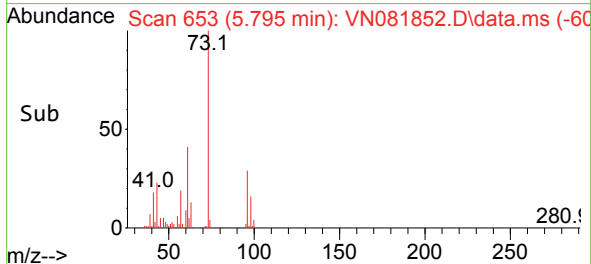
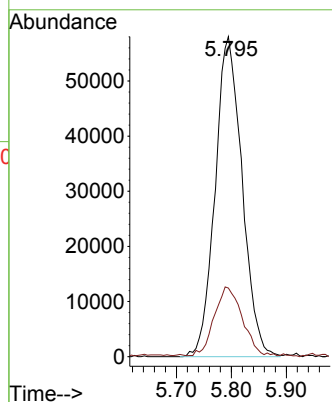
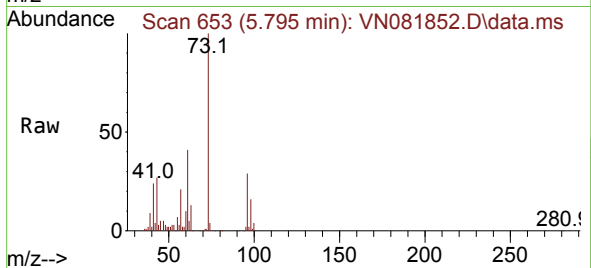




#19  
Methyl tert-butyl Ether  
Concen: 19.860 ug/l  
RT: 5.795 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

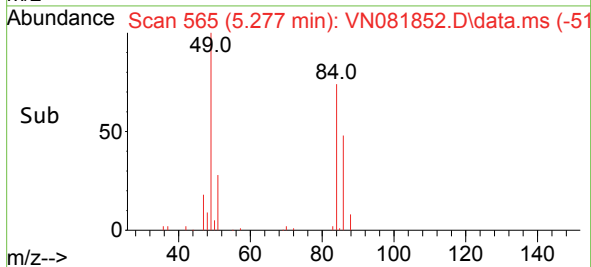
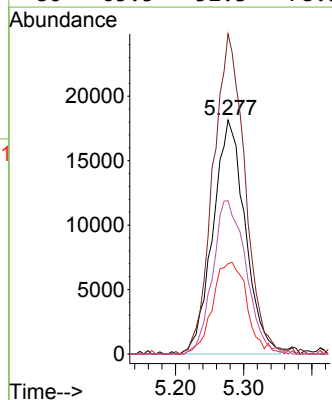
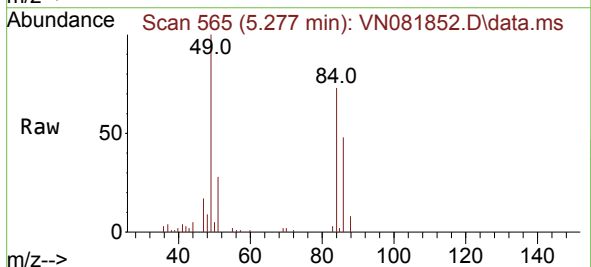
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

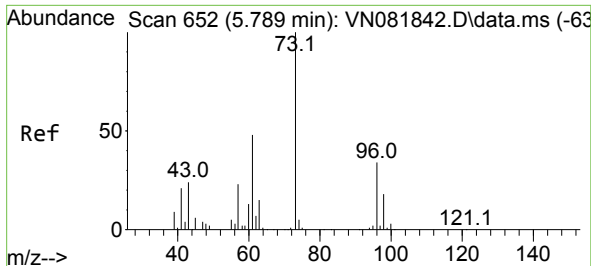
Tgt Ion: 73 Resp: 197631  
Ion Ratio Lower Upper  
73 100  
57 21.1 16.5 24.7



#20  
Methylene Chloride  
Concen: 18.925 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 84 Resp: 59600  
Ion Ratio Lower Upper  
84 100  
49 136.8 84.9 127.3#  
51 38.6 27.0 40.6  
86 65.5 52.3 78.5

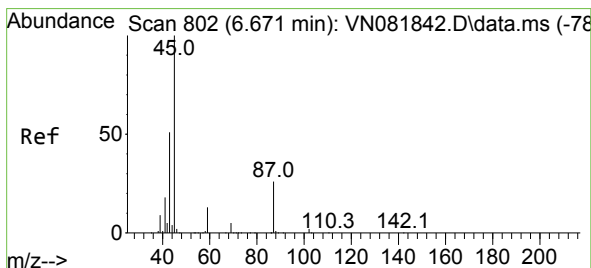
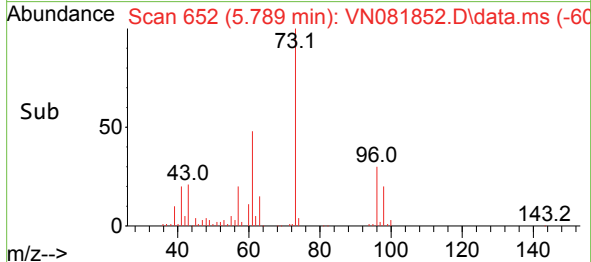
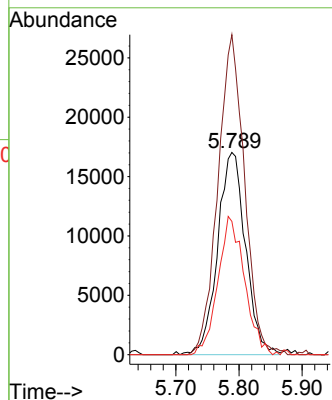
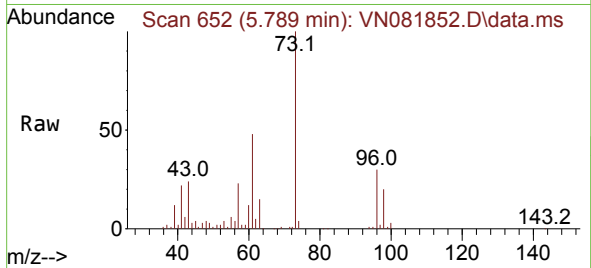




#21  
trans-1,2-Dichloroethene  
Concen: 18.160 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

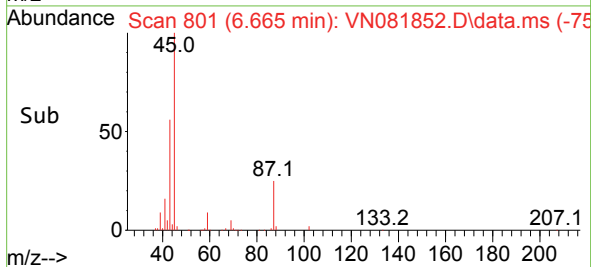
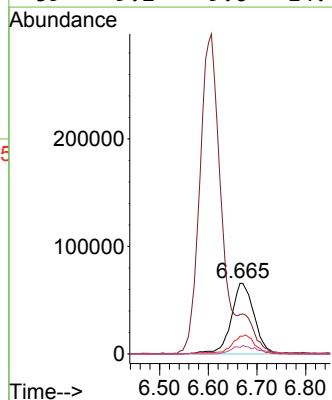
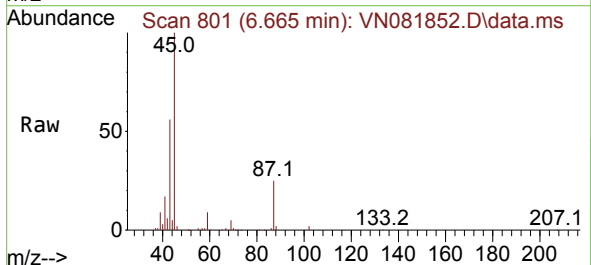
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

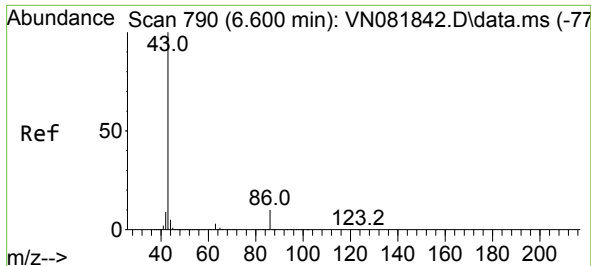
Tgt Ion: 96 Resp: 52215  
Ion Ratio Lower Upper  
96 100  
61 158.2 96.5 144.7#  
98 65.9 51.3 76.9



#22  
Diisopropyl ether  
Concen: 19.834 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 45 Resp: 214089  
Ion Ratio Lower Upper  
45 100  
43 54.3 44.1 66.1  
87 25.1 27.0 40.6#  
59 9.2 9.6 14.4#

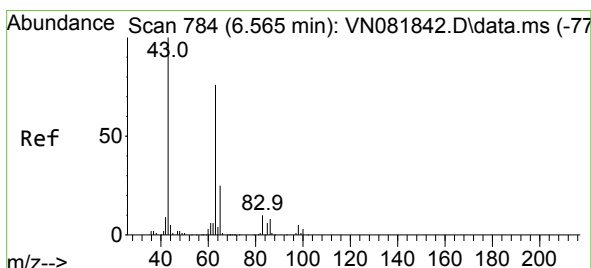
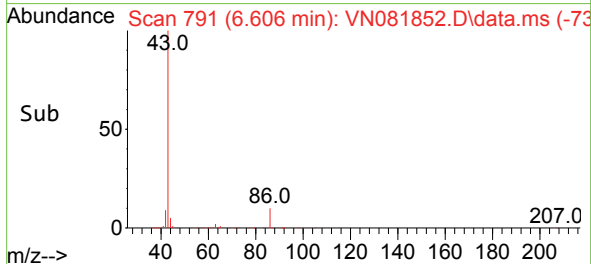
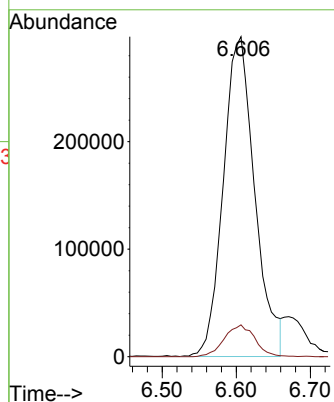
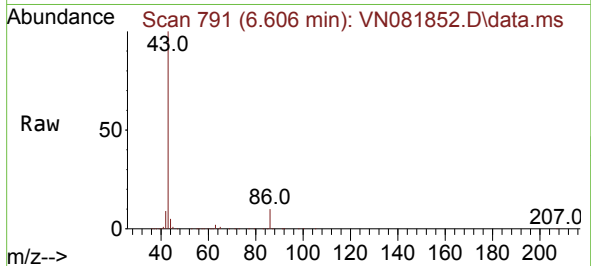




#23  
 Vinyl Acetate  
 Concen: 100.056 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. 0.006 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

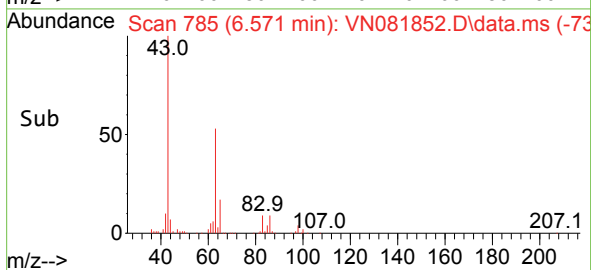
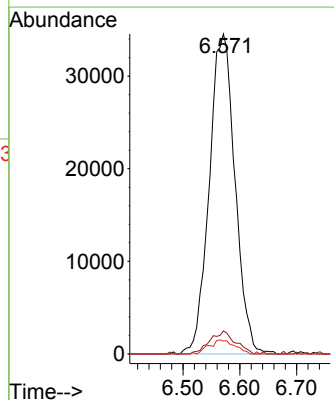
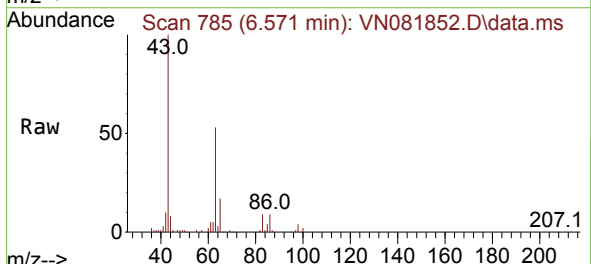
Instrument :  
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 ClientSampleId :  
 VN0425WBSD01

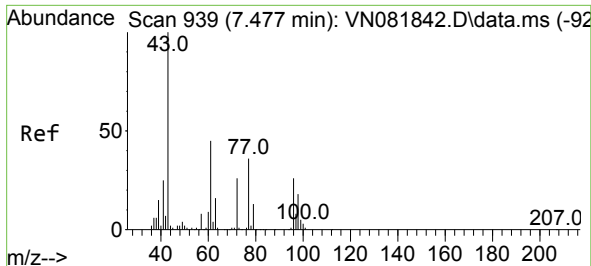
Tgt Ion: 43 Resp: 877541  
 Ion Ratio Lower Upper  
 43 100  
 86 9.9 10.2 15.4#



#24  
 1,1-Dichloroethane  
 Concen: 19.336 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. 0.006 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

Tgt Ion: 63 Resp: 108633  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.6 10.9  
 100 4.1 2.6 7.8

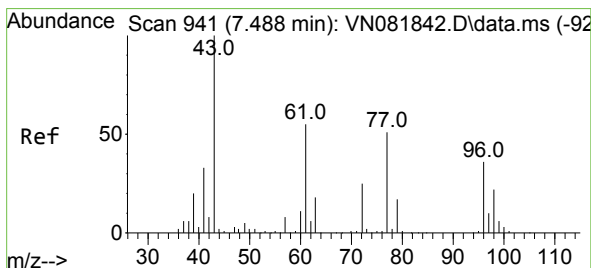
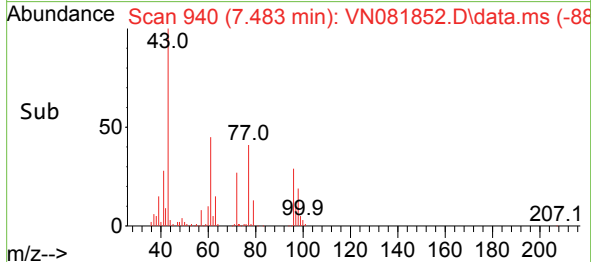
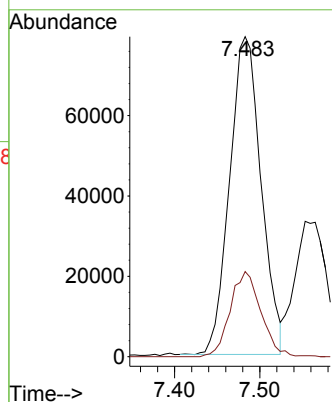
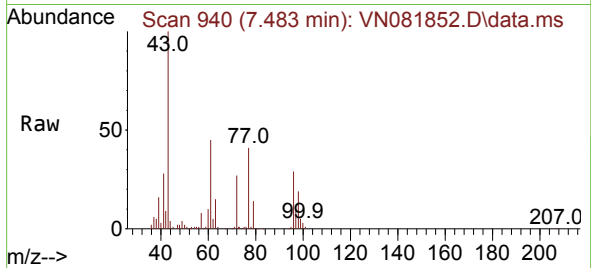




#25  
2-Butanone  
Concen: 97.498 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

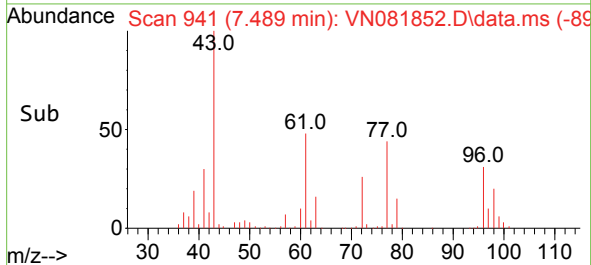
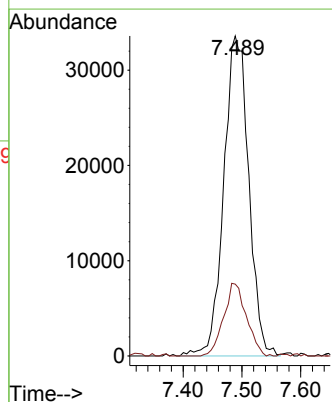
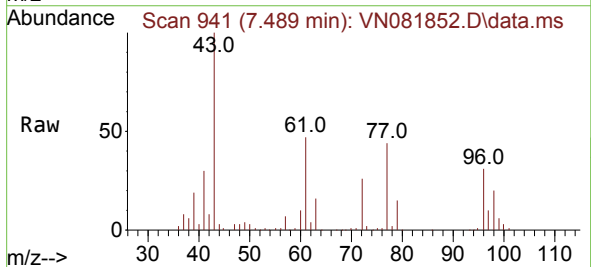
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

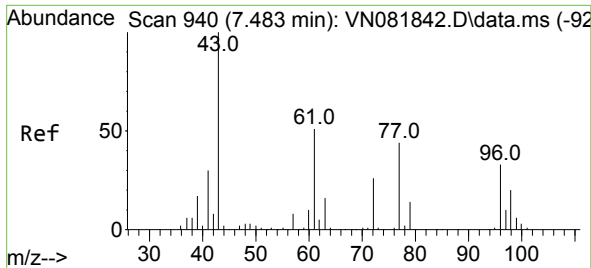
Tgt Ion: 43 Resp: 203352  
Ion Ratio Lower Upper  
43 100  
72 26.8 25.3 37.9



#26  
2,2-Dichloropropane  
Concen: 19.151 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 77 Resp: 98976  
Ion Ratio Lower Upper  
77 100  
97 20.8 11.3 33.9

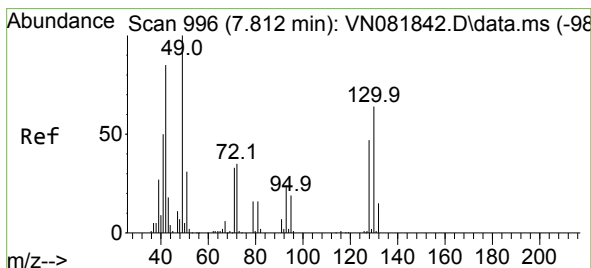
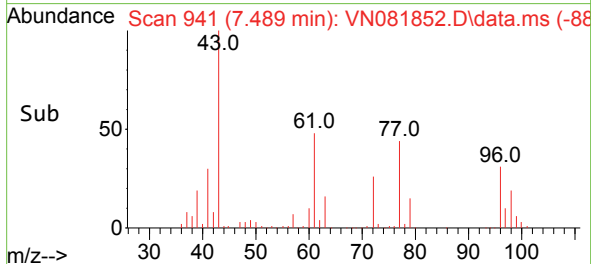
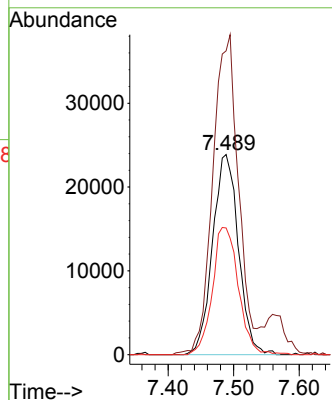
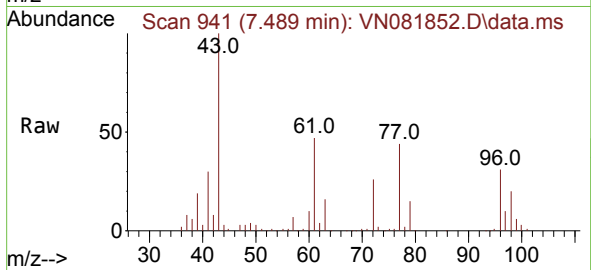




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.441 ug/l  
 RT: 7.489 min Scan# 941  
 Delta R.T. 0.006 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

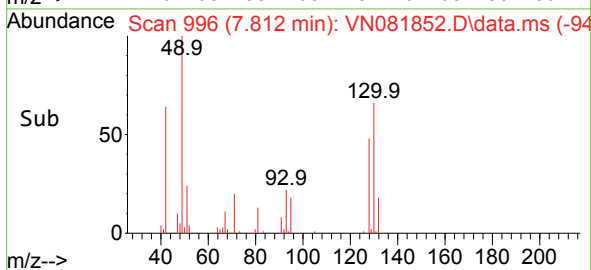
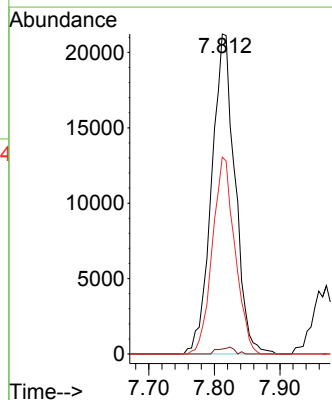
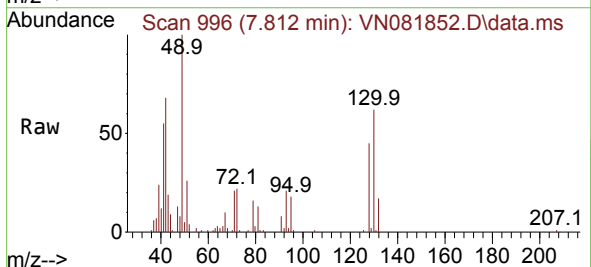
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0425WBSD01

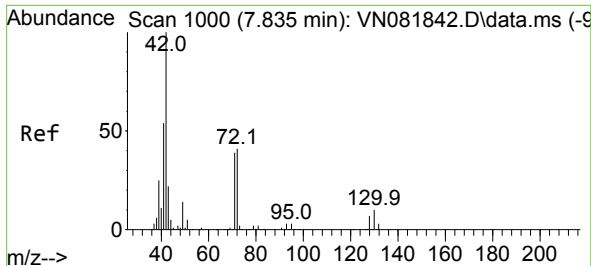
Tgt Ion: 96 Resp: 65320  
 Ion Ratio Lower Upper  
 96 100  
 61 158.7 0.0 268.0  
 98 64.1 0.0 126.8



#28  
 Bromochloromethane  
 Concen: 19.664 ug/l  
 RT: 7.812 min Scan# 996  
 Delta R.T. 0.000 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

Tgt Ion: 49 Resp: 52507  
 Ion Ratio Lower Upper  
 49 100  
 129 1.5 0.0 4.6  
 130 59.3 66.7 100.1#





#29

Tetrahydrofuran

Concen: 94.443 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

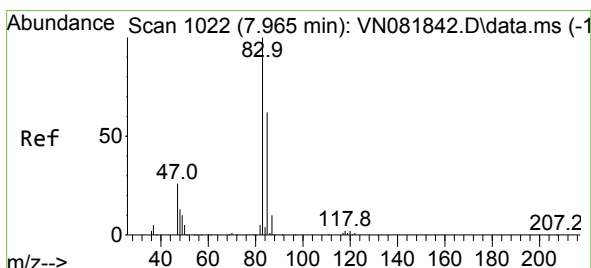
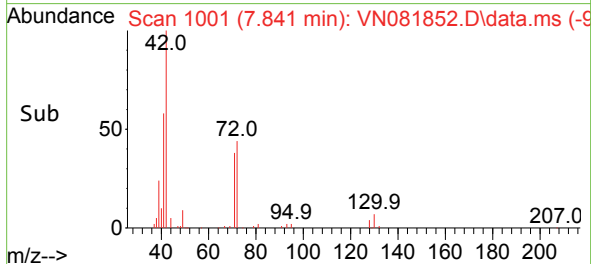
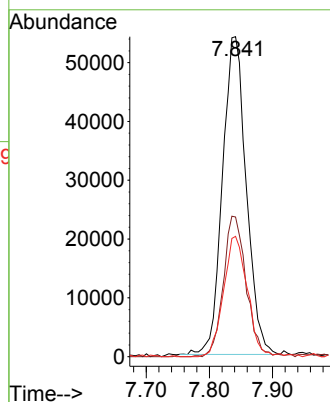
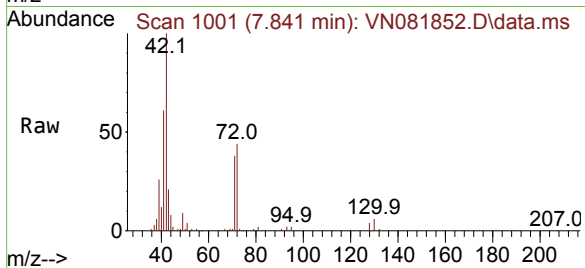
Tgt Ion: 42 Resp: 141257

Ion Ratio Lower Upper

42 100

72 42.6 39.3 58.9

71 38.0 37.4 56.0



#30

Chloroform

Concen: 18.909 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN081852.D

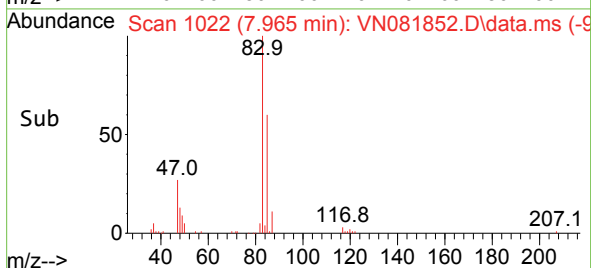
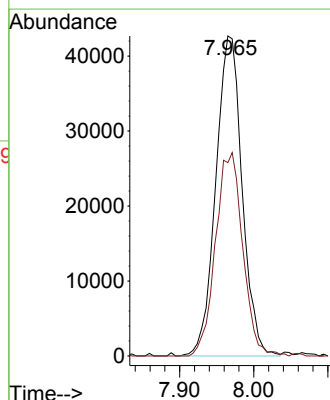
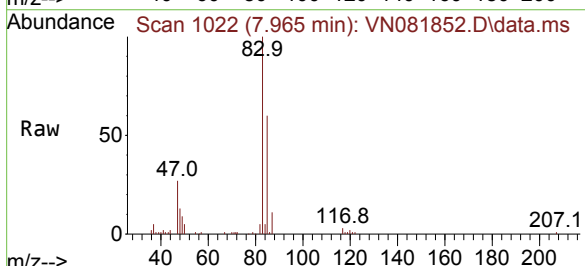
Acq: 25 Apr 2024 15:53

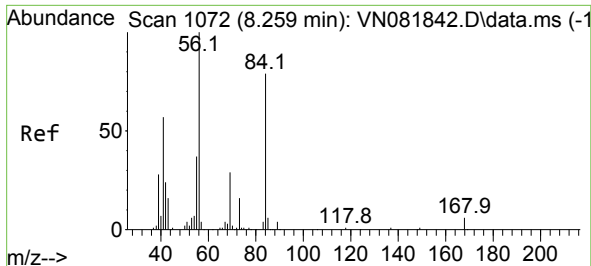
Tgt Ion: 83 Resp: 105301

Ion Ratio Lower Upper

83 100

85 60.4 50.7 76.1

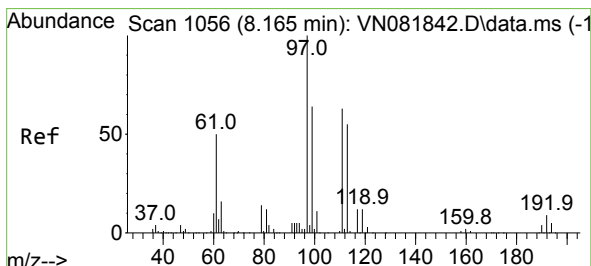
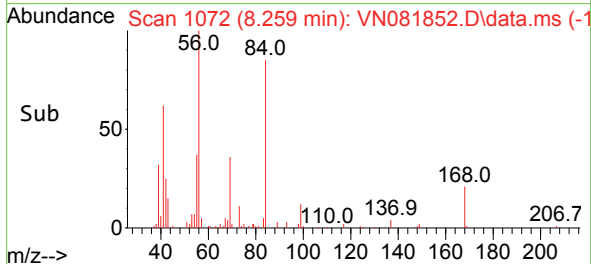
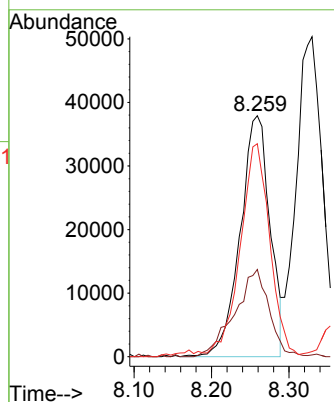
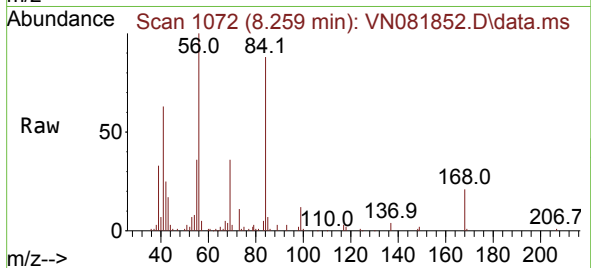




#31  
Cyclohexane  
Concen: 18.290 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

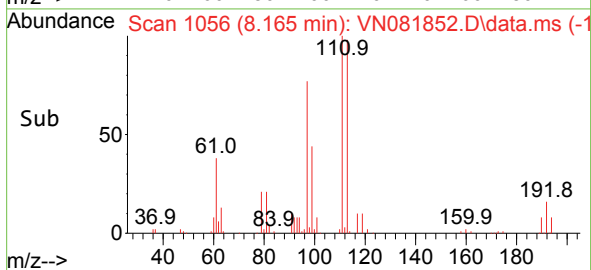
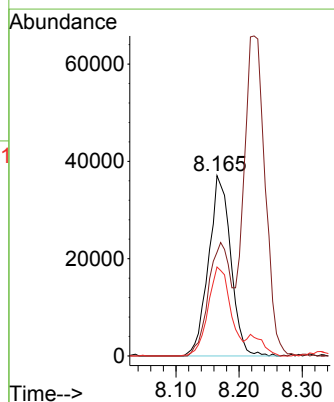
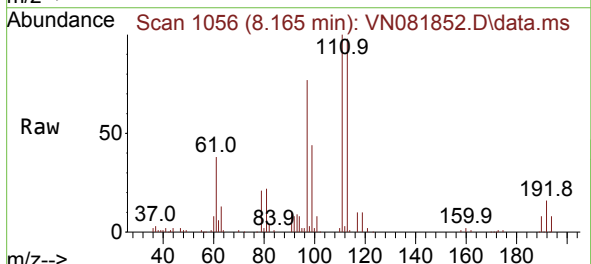
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

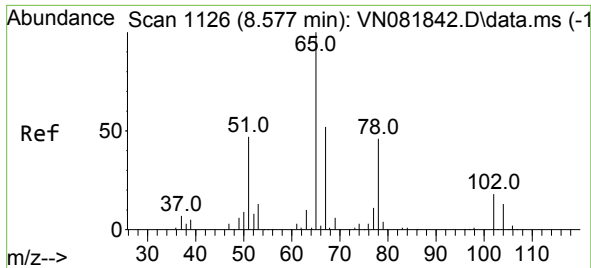
Tgt Ion: 56 Resp: 101250  
Ion Ratio Lower Upper  
56 100  
69 36.2 24.4 36.6  
84 86.8 77.0 115.4



#32  
1,1,1-Trichloroethane  
Concen: 18.279 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 97 Resp: 90777  
Ion Ratio Lower Upper  
97 100  
99 60.4 50.3 75.5  
61 49.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 46.292 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

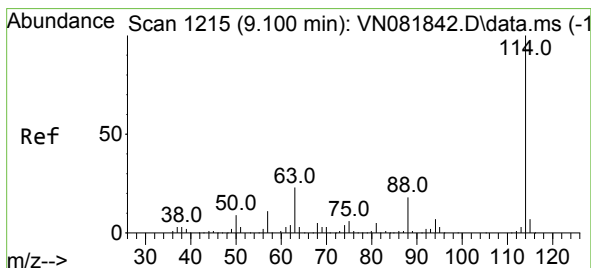
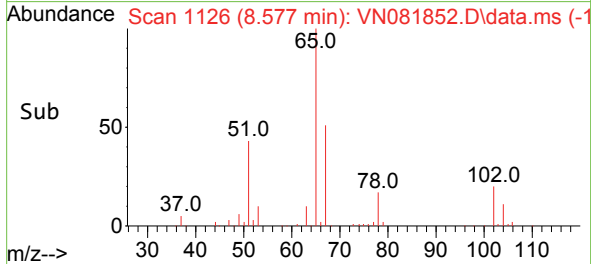
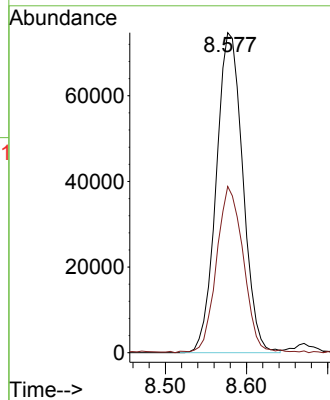
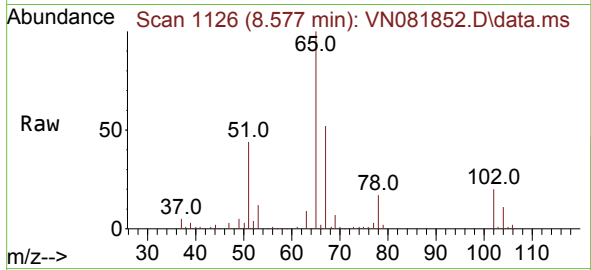
VN0425WBSD01

Tgt Ion: 65 Resp: 170111

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

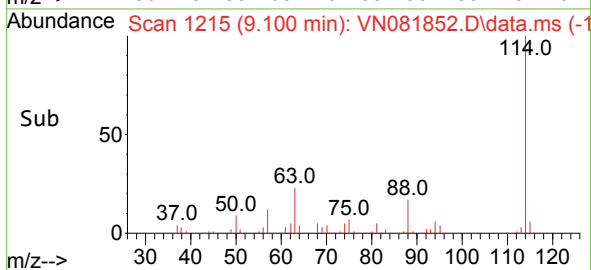
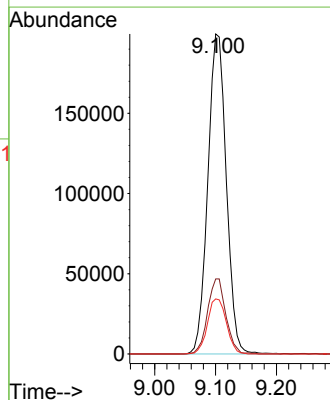
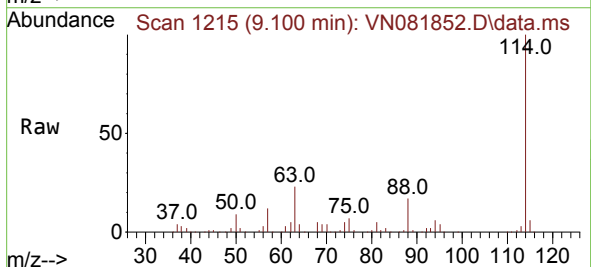
Tgt Ion: 114 Resp: 420458

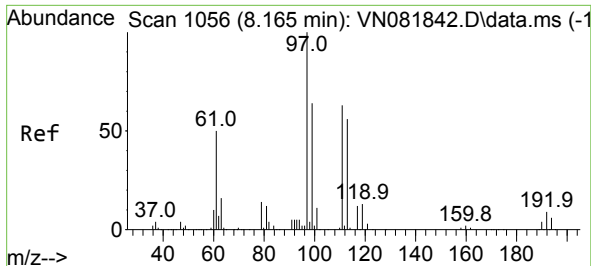
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.0

88 17.2 0.0 31.4

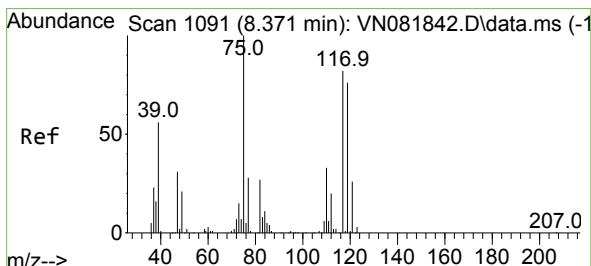
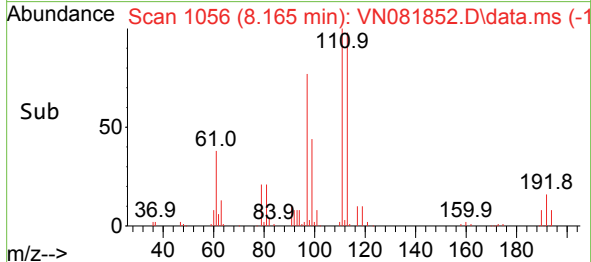
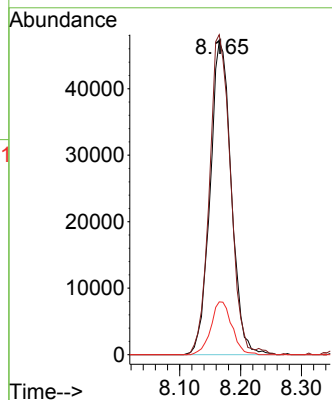
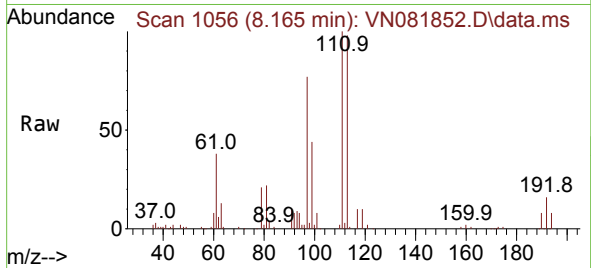




#35  
Dibromofluoromethane  
Concen: 45.018 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

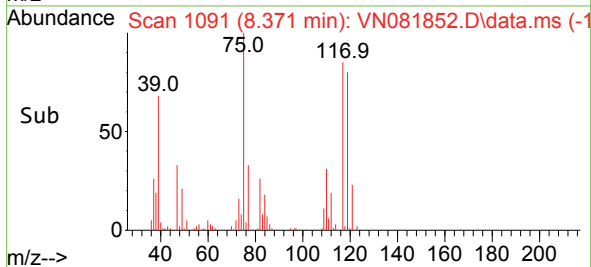
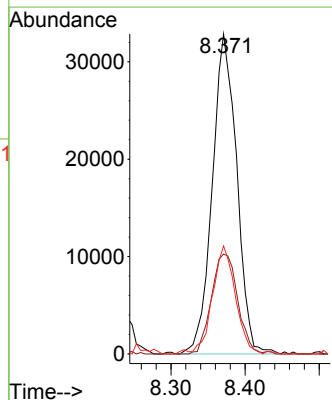
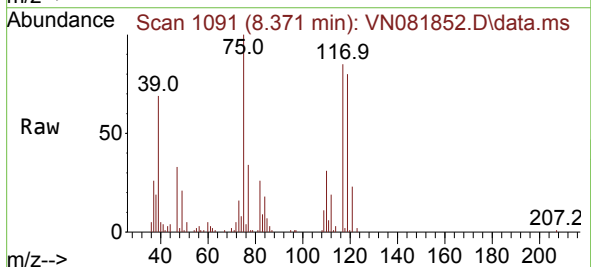
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

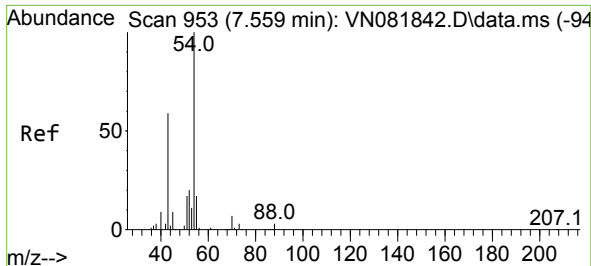
Tgt Ion:113 Resp: 113963  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.4 125.2  
192 16.7 14.0 21.0



#36  
1,1-Dichloropropene  
Concen: 18.284 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 75 Resp: 75301  
Ion Ratio Lower Upper  
75 100  
110 33.7 17.8 53.5  
77 31.9 25.0 37.4





#37

Ethyl Acetate

Concen: 20.066 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

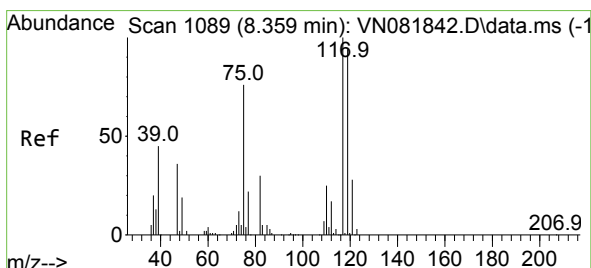
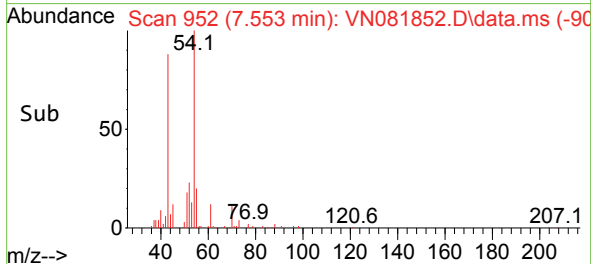
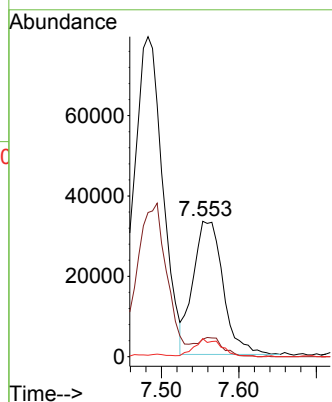
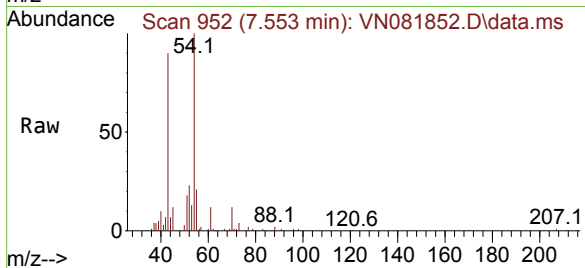
Tgt Ion: 43 Resp: 89353

Ion Ratio Lower Upper

43 100

61 10.3 11.3 16.9#

70 12.1 8.7 13.1



#38

Carbon Tetrachloride

Concen: 18.511 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

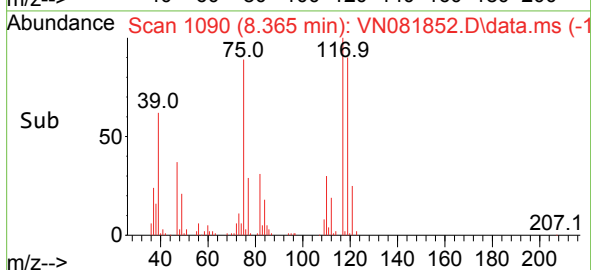
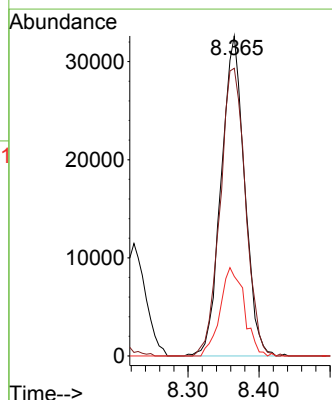
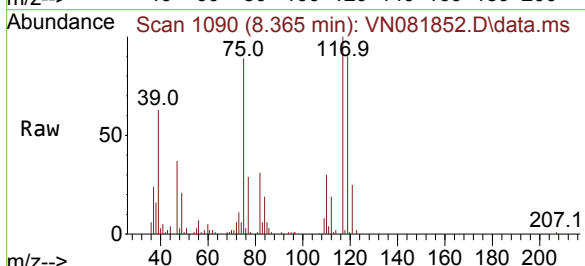
Tgt Ion: 117 Resp: 74511

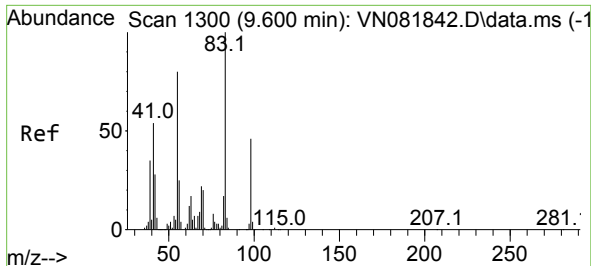
Ion Ratio Lower Upper

117 100

119 89.9 76.5 114.7

121 24.9 23.9 35.9





#39

Methylcyclohexane

Concen: 18.829 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

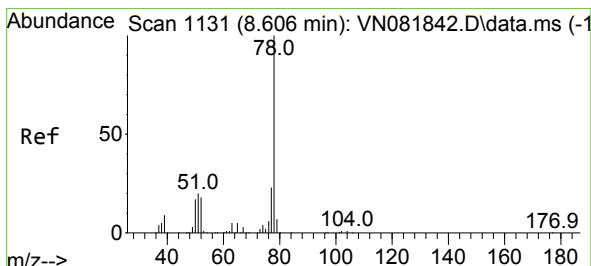
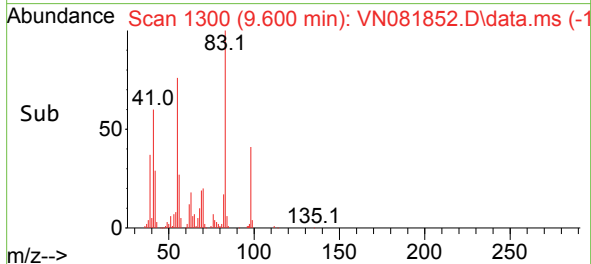
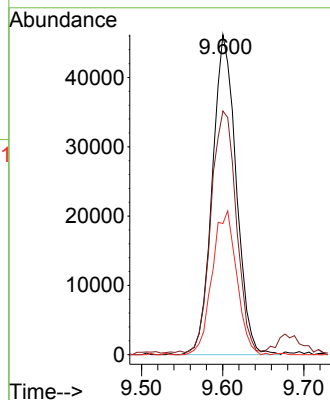
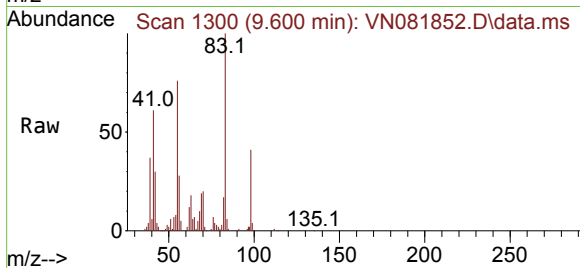
Tgt Ion: 83 Resp: 94180

Ion Ratio Lower Upper

83 100

55 75.0 53.0 79.6

98 41.0 37.1 55.7



#40

Benzene

Concen: 19.203 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081852.D

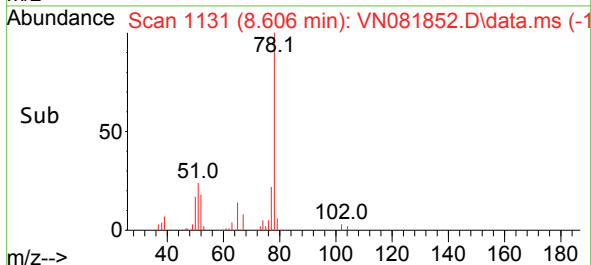
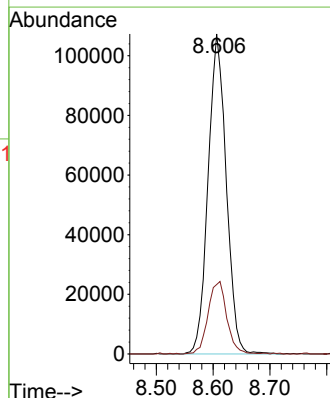
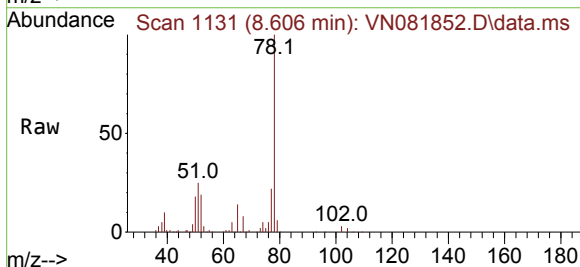
Acq: 25 Apr 2024 15:53

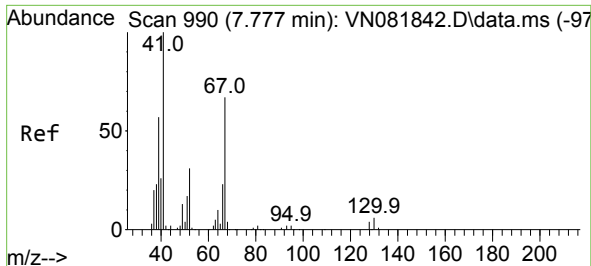
Tgt Ion: 78 Resp: 237417

Ion Ratio Lower Upper

78 100

77 21.7 20.0 30.0

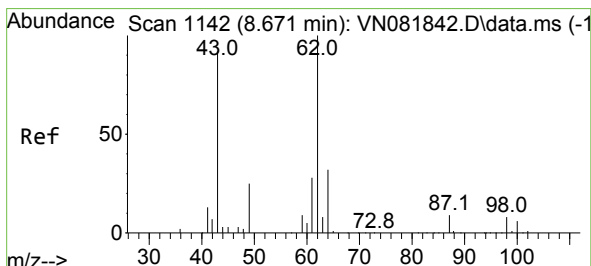
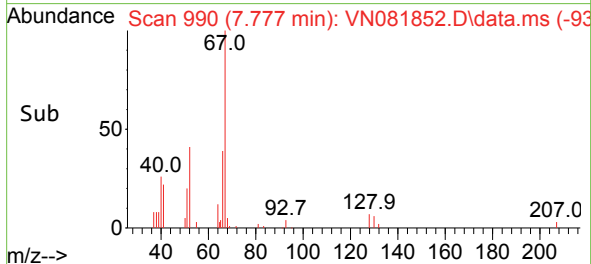
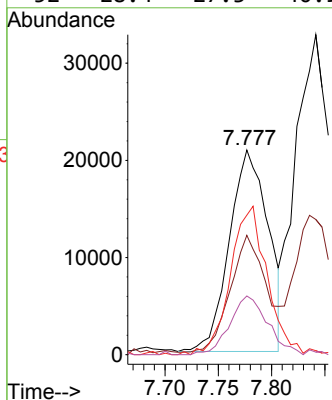
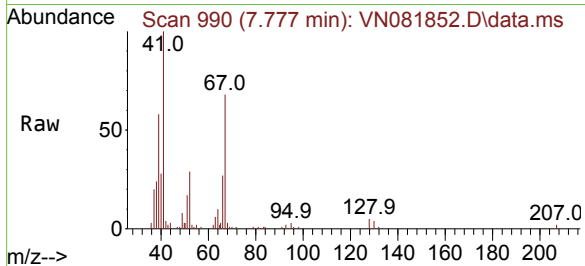




#41  
Methacrylonitrile  
Concen: 18.480 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

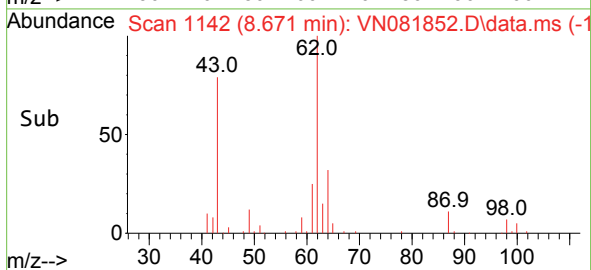
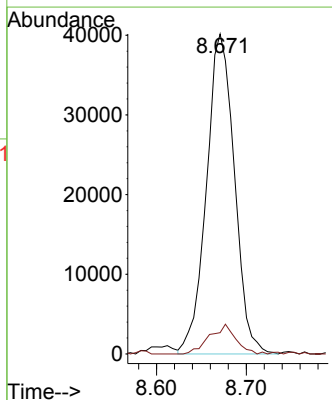
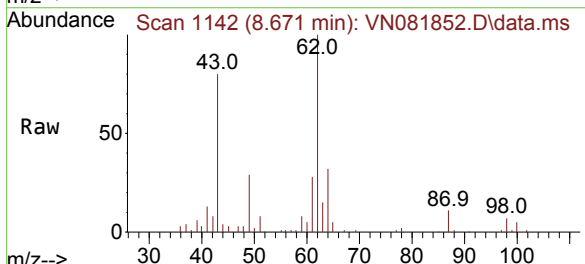
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

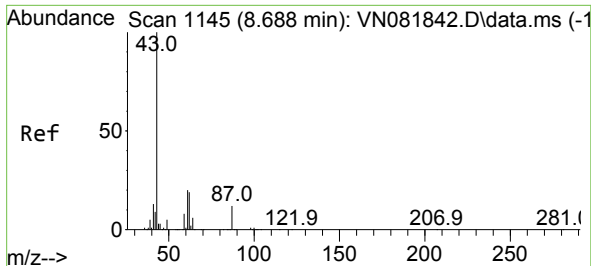
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 52507 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.6  | 46.6  | 69.8  |
| 67       | 70.3  | 67.3  | 100.9 |
| 52       | 28.4  | 27.3  | 40.9  |



#42  
1,2-Dichloroethane  
Concen: 18.953 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 87012 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.7   | 0.0   | 19.6  |

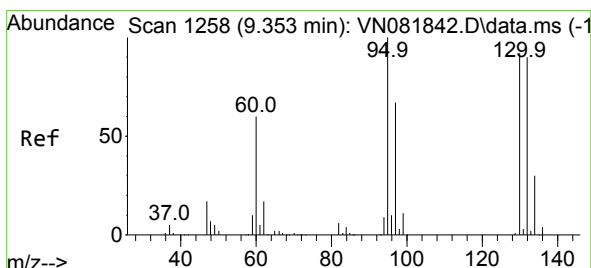
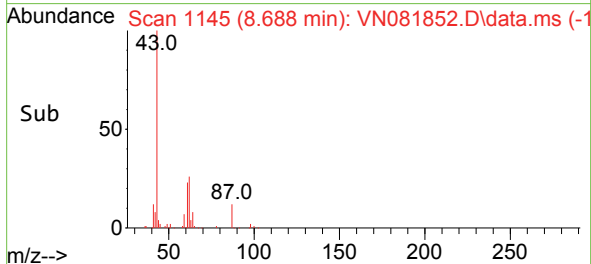
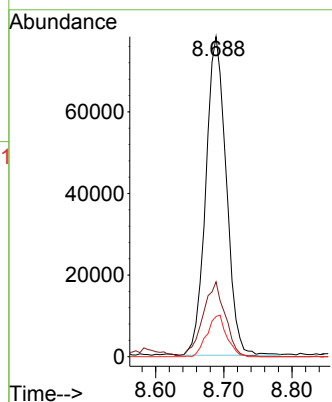
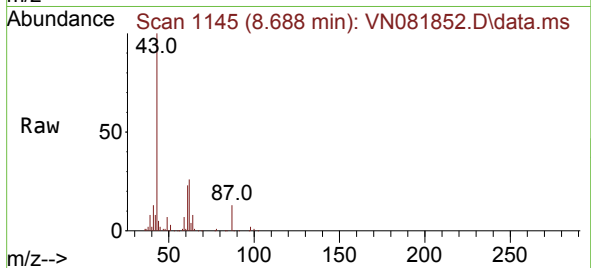




#43  
Isopropyl Acetate  
Concen: 19.429 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

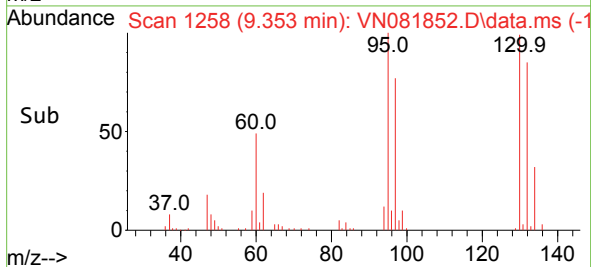
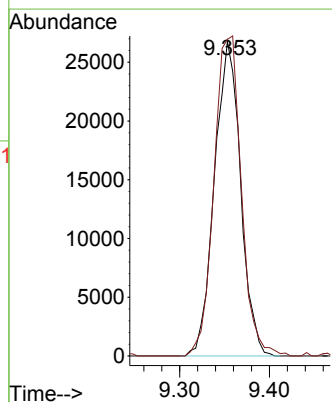
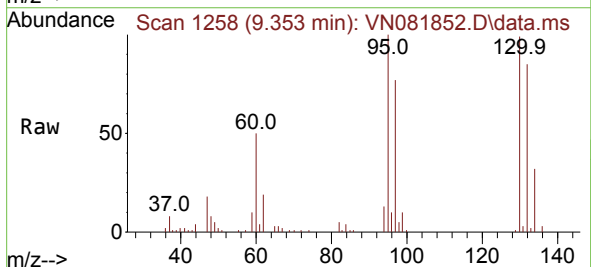
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

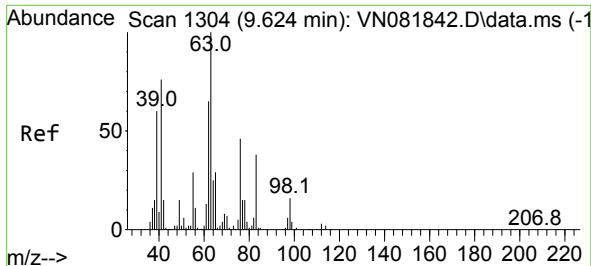
Tgt Ion: 43 Resp: 162671  
Ion Ratio Lower Upper  
43 100  
61 25.6 22.8 34.2  
87 12.6 12.0 18.0



#44  
Trichloroethene  
Concen: 18.955 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion:130 Resp: 54030  
Ion Ratio Lower Upper  
130 100  
95 100.7 0.0 195.4





#45

1,2-Dichloropropane

Concen: 19.688 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

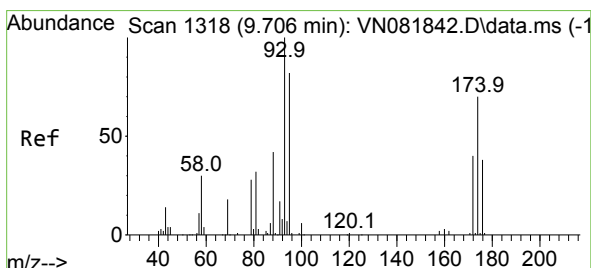
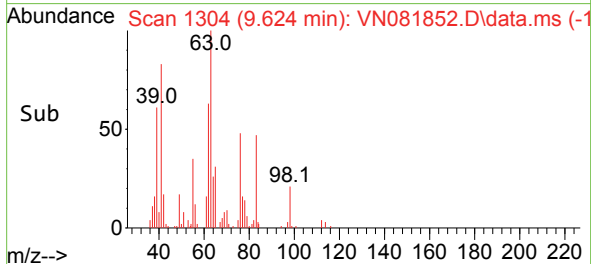
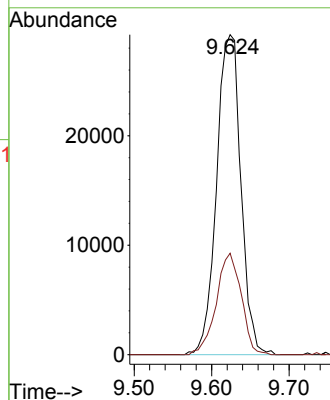
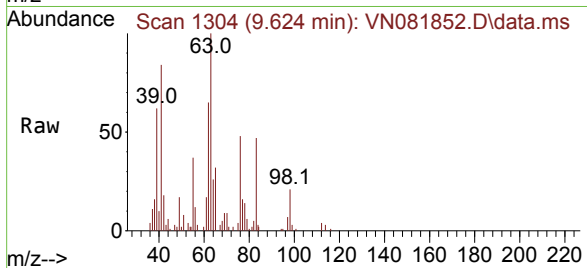
VN0425WBSD01

Tgt Ion: 63 Resp: 63703

Ion Ratio Lower Upper

63 100

65 31.7 24.1 36.1



#46

Dibromomethane

Concen: 18.195 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

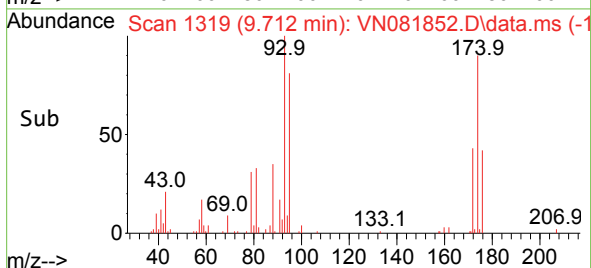
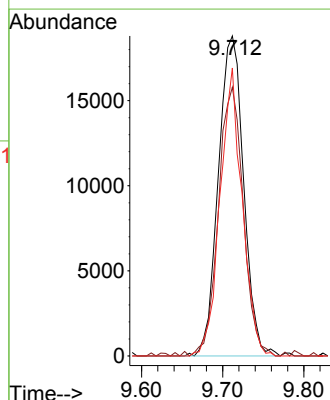
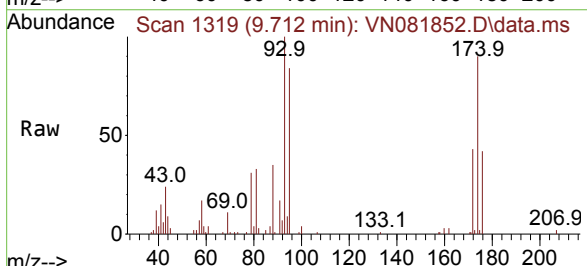
Tgt Ion: 93 Resp: 40692

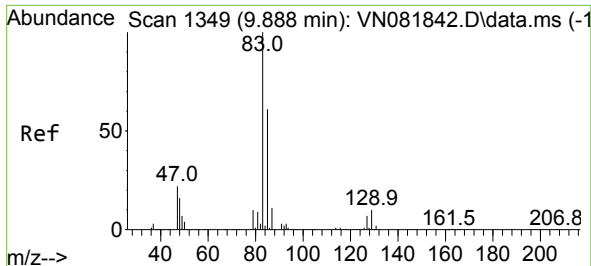
Ion Ratio Lower Upper

93 100

95 82.8 64.8 97.2

174 78.9 73.4 110.0

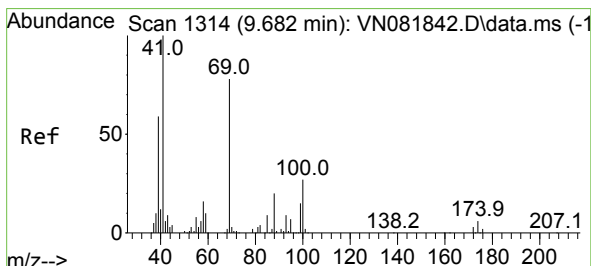
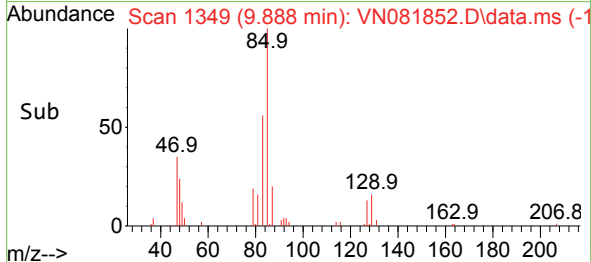
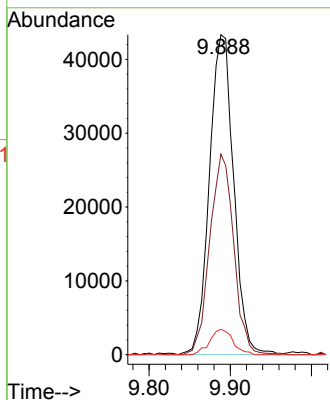
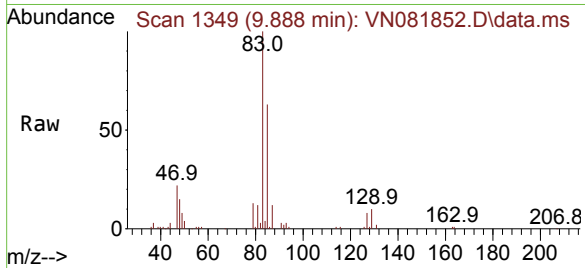




#47  
 Bromodichloromethane  
 Concen: 19.041 ug/l  
 RT: 9.888 min Scan# 1349  
 Delta R.T. 0.000 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

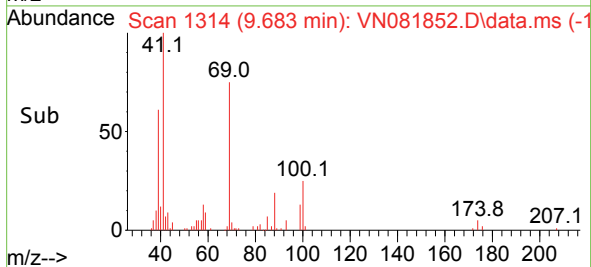
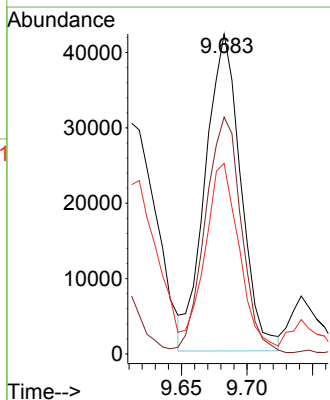
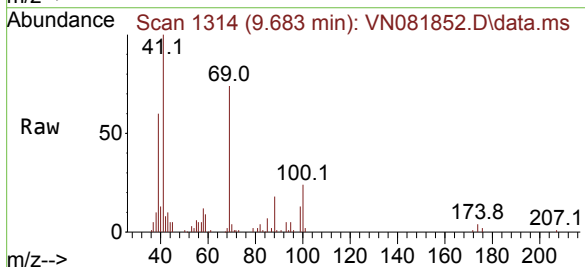
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0425WBSD01

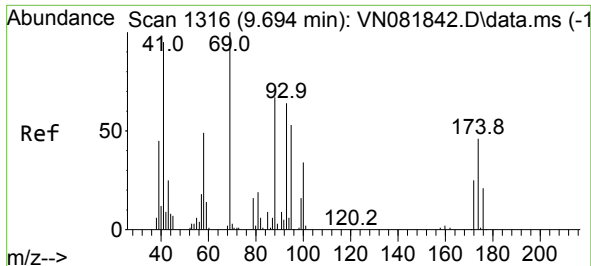
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 89803 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 62.7  | 51.9  | 77.9  |
| 127       | 8.0   | 7.5   | 11.3  |



#48  
 Methyl methacrylate  
 Concen: 19.824 ug/l  
 RT: 9.683 min Scan# 1314  
 Delta R.T. 0.000 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 79237  |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 75.7  | 77.9  | 116.9# |
| 39        | 60.1  | 50.9  | 76.3   |

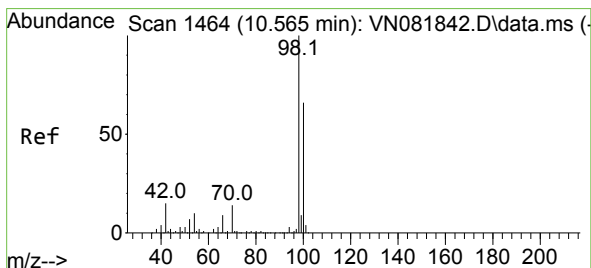
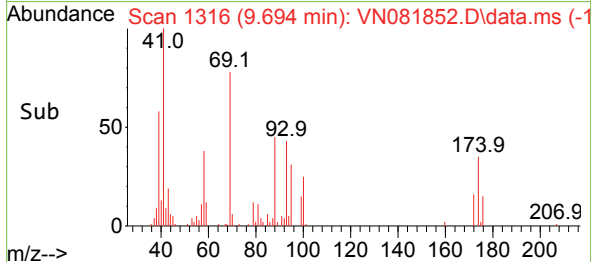
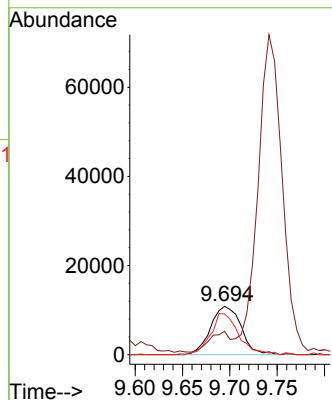
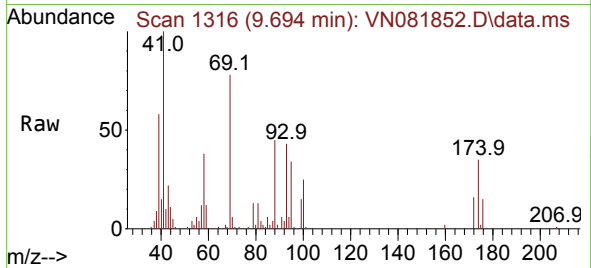




#49  
1,4-Dioxane  
Concen: 400.123 ug/l  
RT: 9.694 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

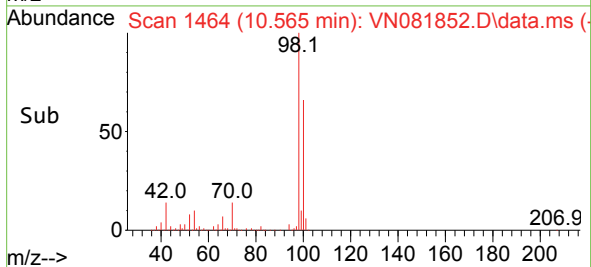
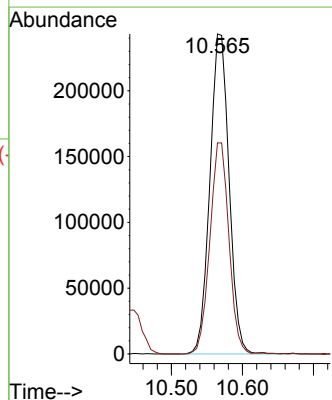
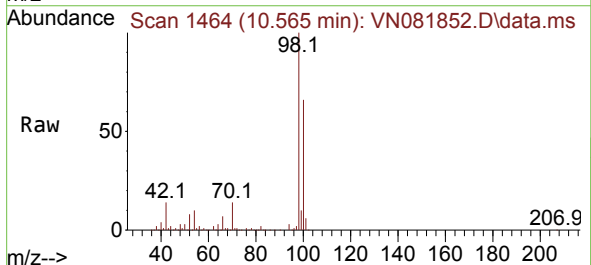
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

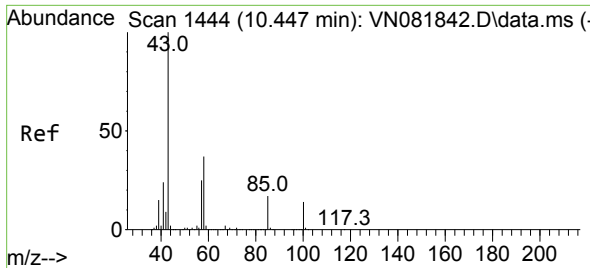
Tgt Ion: 88 Resp: 24308  
Ion Ratio Lower Upper  
88 100  
43 29.0 19.0 28.6#  
58 78.6 50.6 76.0#



#50  
Toluene-d8  
Concen: 45.852 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 98 Resp: 455874  
Ion Ratio Lower Upper  
98 100  
100 65.5 51.8 77.6

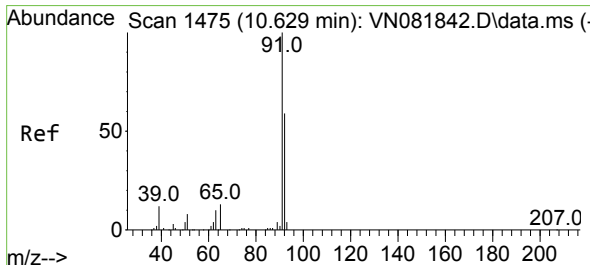
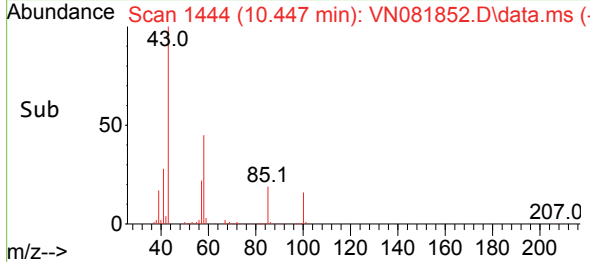
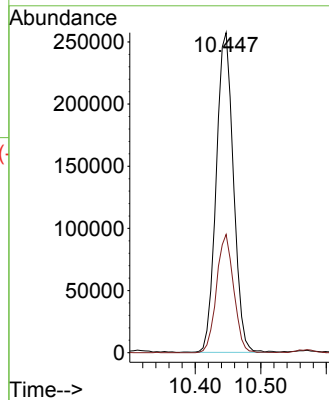
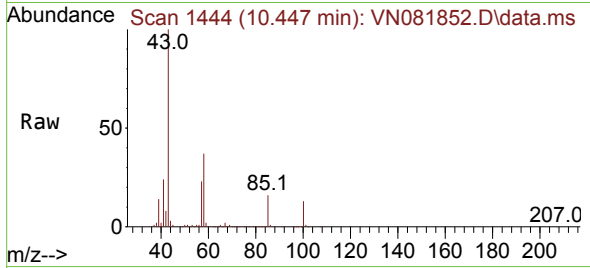




#51  
4-Methyl-2-Pentanone  
Concen: 99.232 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

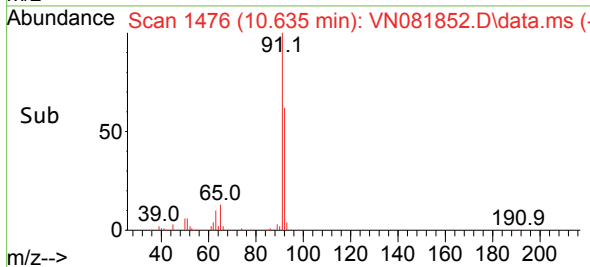
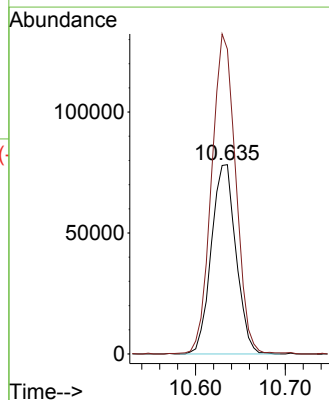
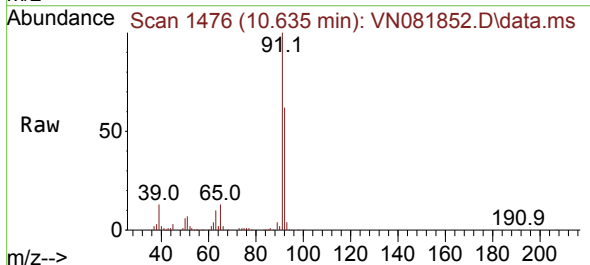
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

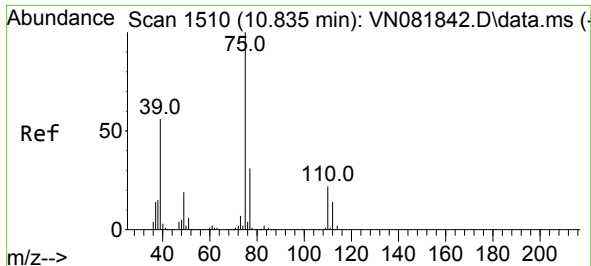
Tgt Ion: 43 Resp: 467720  
Ion Ratio Lower Upper  
43 100  
58 36.9 33.2 49.8



#52  
Toluene  
Concen: 20.162 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 92 Resp: 149280  
Ion Ratio Lower Upper  
92 100  
91 166.0 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.904 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

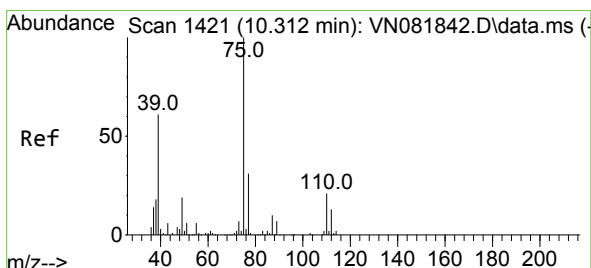
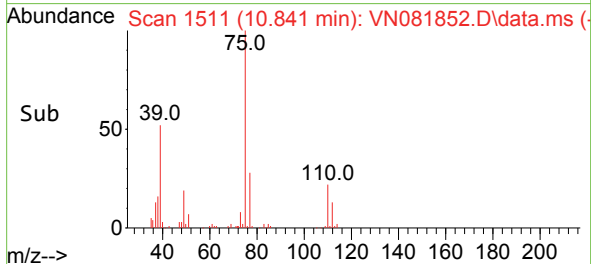
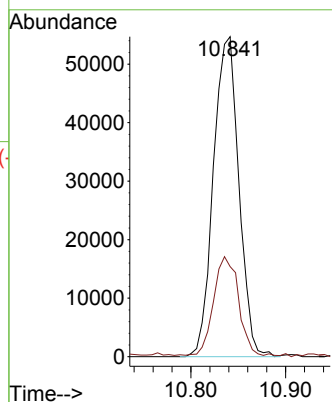
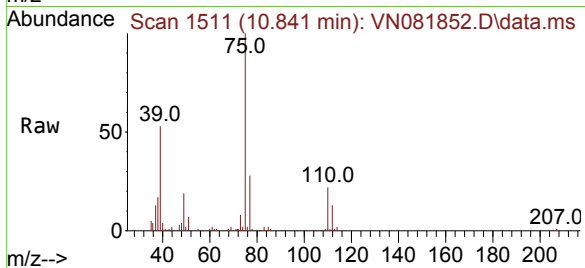
VN0425WBSD01

Tgt Ion: 75 Resp: 102148

Ion Ratio Lower Upper

75 100

77 27.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.604 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

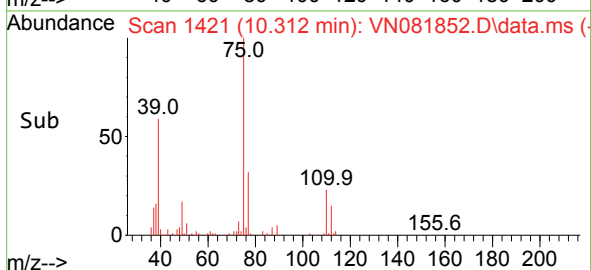
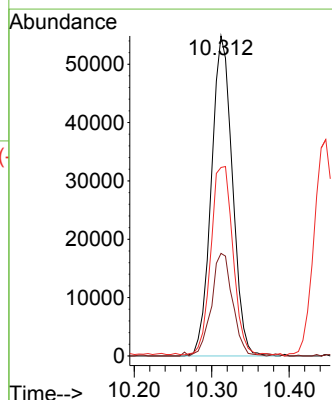
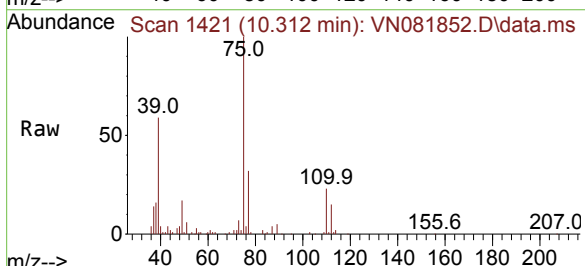
Tgt Ion: 75 Resp: 103691

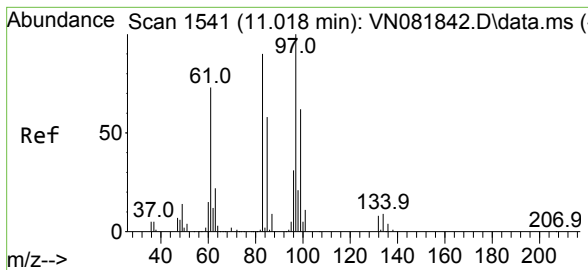
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 58.4 34.8 52.2#

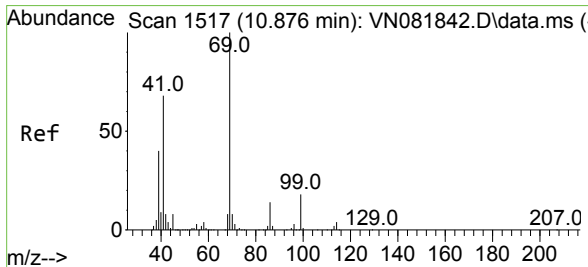
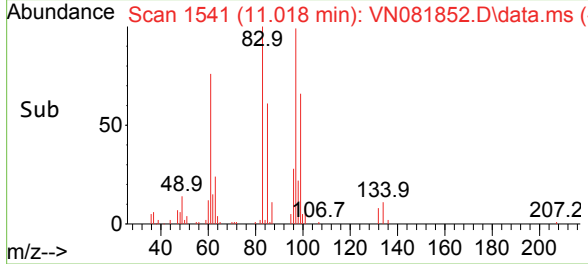
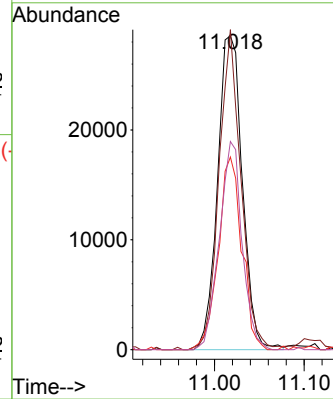
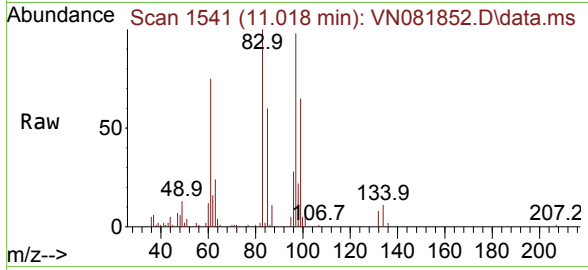




#55  
1,1,2-Trichloroethane  
Concen: 18.894 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

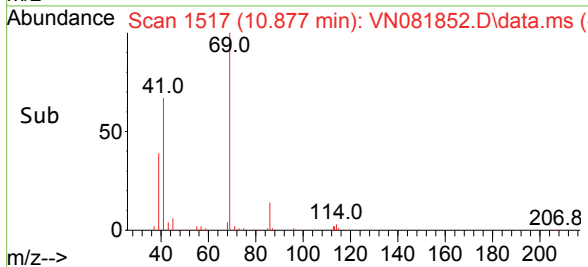
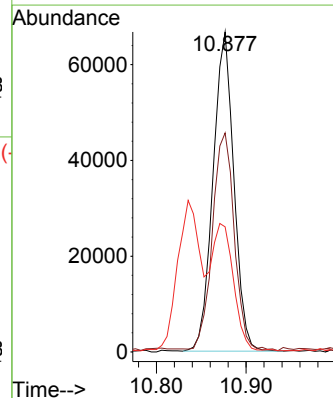
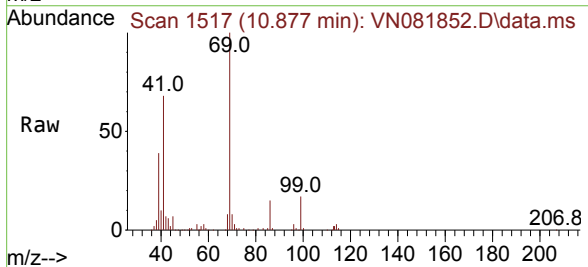
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

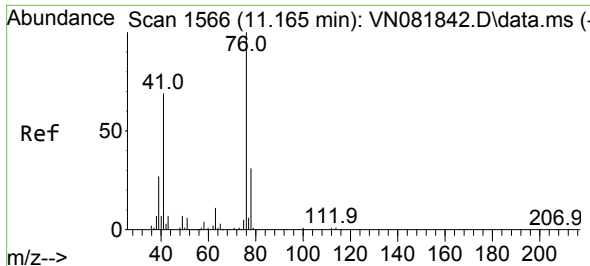
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 55017 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 101.9 | 70.4  | 105.6 |
| 85       | 61.4  | 45.6  | 68.4  |
| 99       | 66.3  | 50.9  | 76.3  |



#56  
Ethyl methacrylate  
Concen: 19.425 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 107702 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.8  | 46.6  | 70.0#  |
| 39       | 42.6  | 26.5  | 39.7#  |

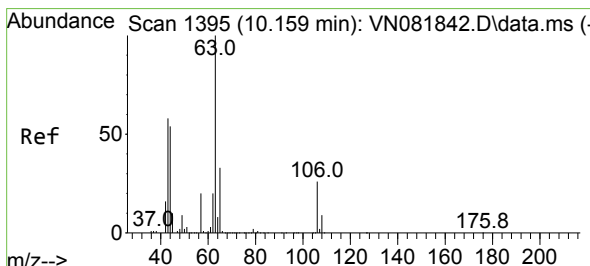
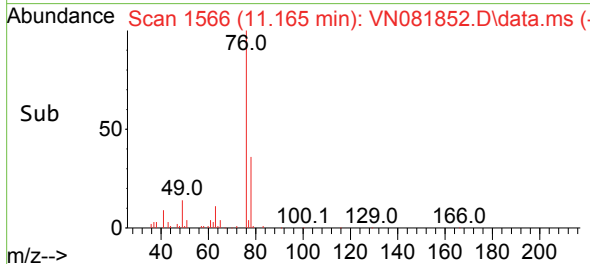
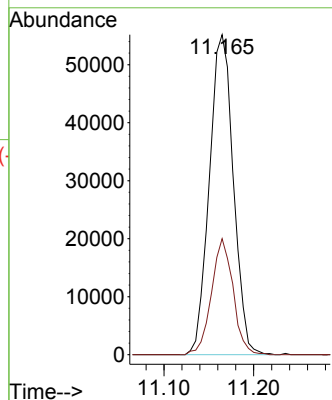
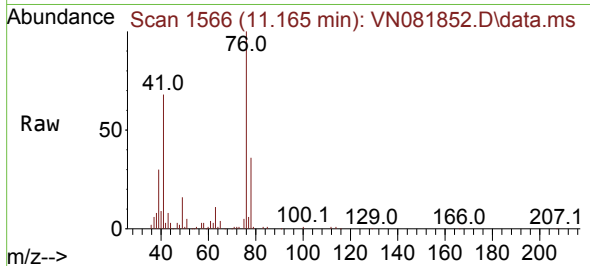




#57  
1,3-Dichloropropane  
Concen: 19.795 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

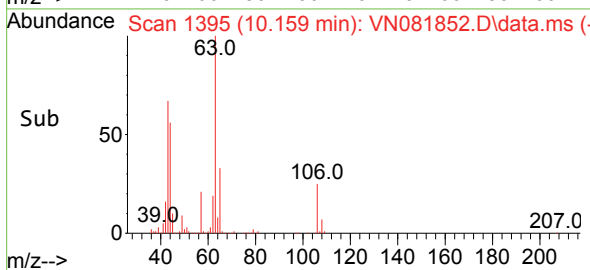
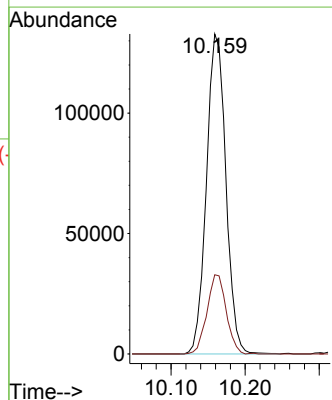
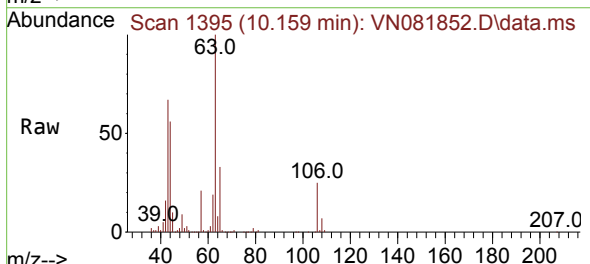
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

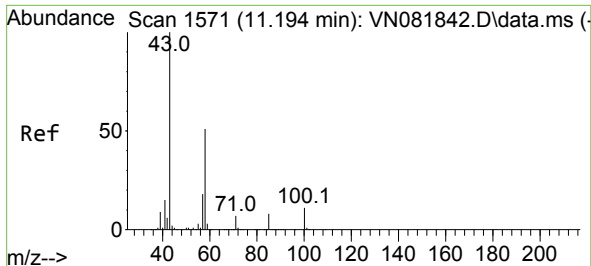
Tgt Ion: 76 Resp: 102473  
Ion Ratio Lower Upper  
76 100  
78 32.7 25.8 38.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 95.704 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 63 Resp: 241738  
Ion Ratio Lower Upper  
63 100  
106 24.6 24.6 36.8

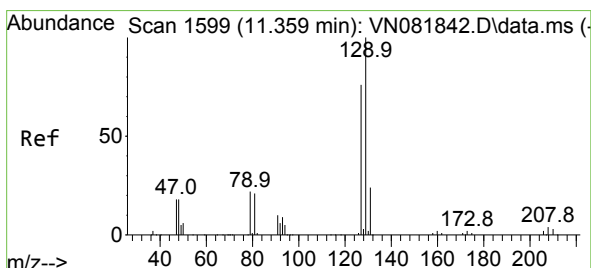
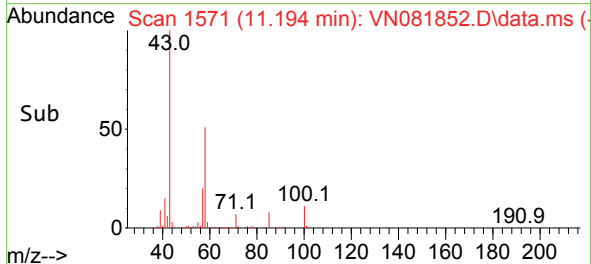
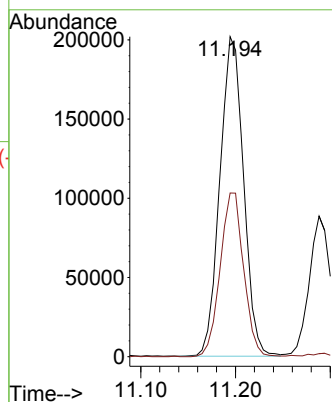
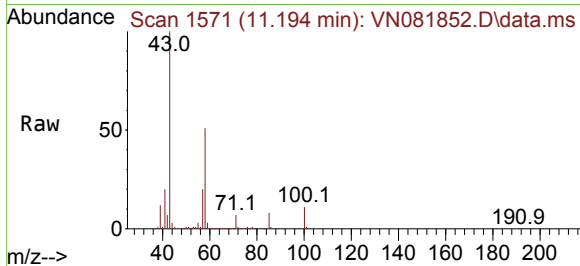




#59  
2-Hexanone  
Concen: 99.932 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

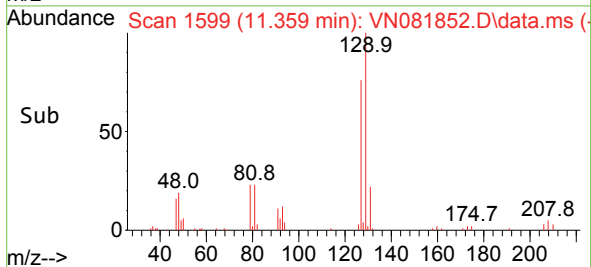
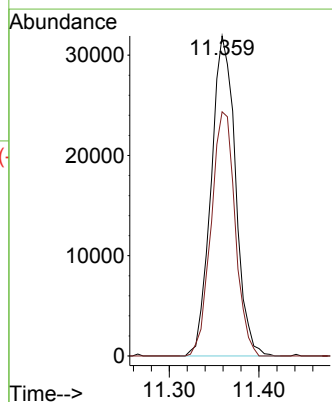
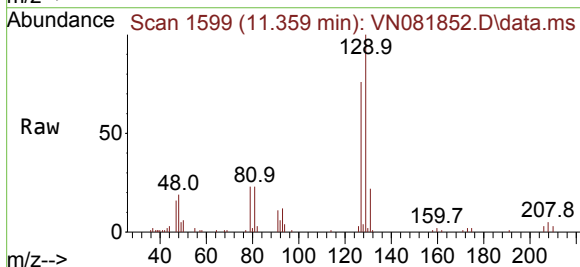
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

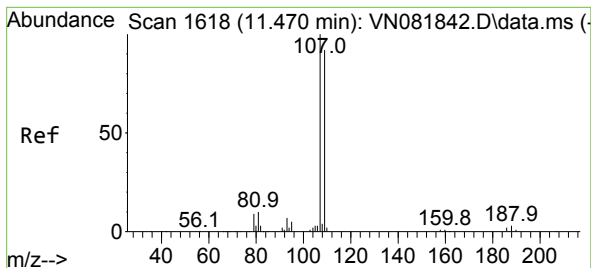
Tgt Ion: 43 Resp: 350536  
Ion Ratio Lower Upper  
43 100  
58 50.8 28.3 84.9



#60  
Dibromochloromethane  
Concen: 19.525 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 129 Resp: 60216  
Ion Ratio Lower Upper  
129 100  
127 75.0 38.3 114.8

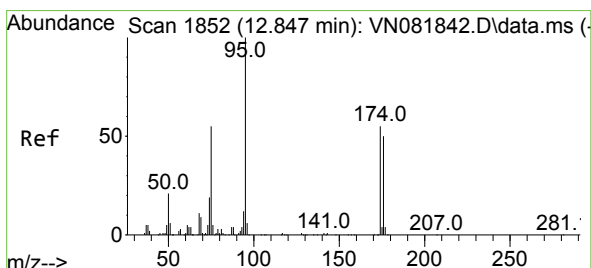
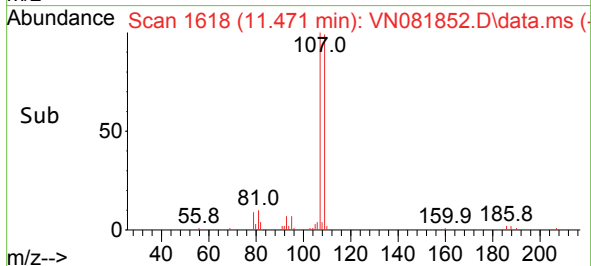
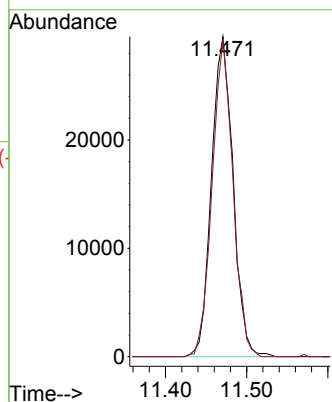
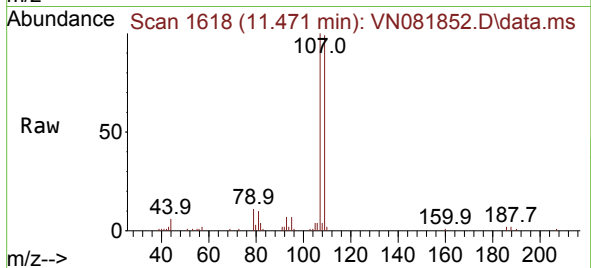




#61  
1,2-Dibromoethane  
Concen: 19.561 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

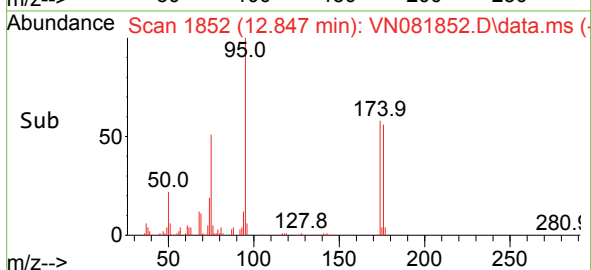
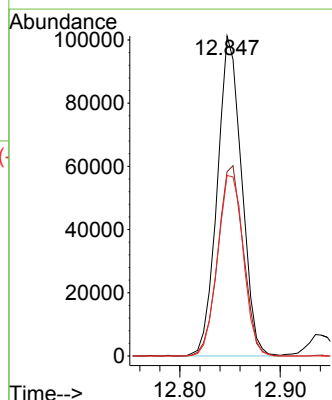
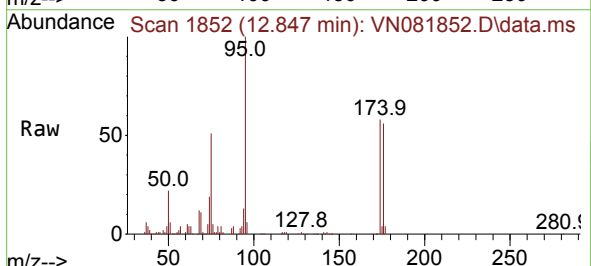
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

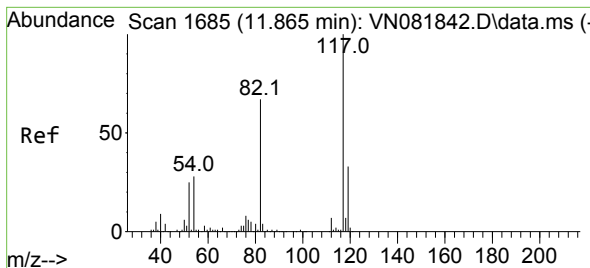
Tgt Ion:107 Resp: 54469  
Ion Ratio Lower Upper  
107 100  
109 95.6 75.8 113.6



#62  
4-Bromofluorobenzene  
Concen: 43.386 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 95 Resp: 170518  
Ion Ratio Lower Upper  
95 100  
174 61.9 0.0 160.6  
176 59.9 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

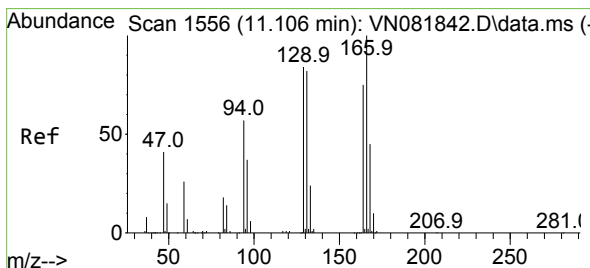
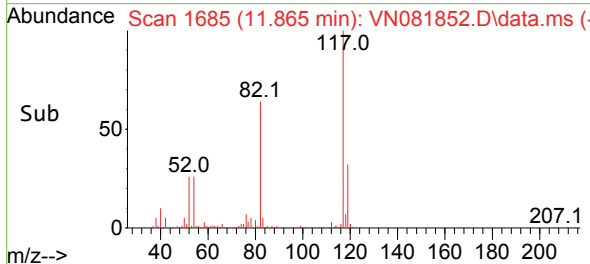
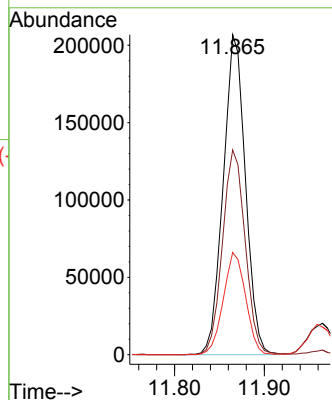
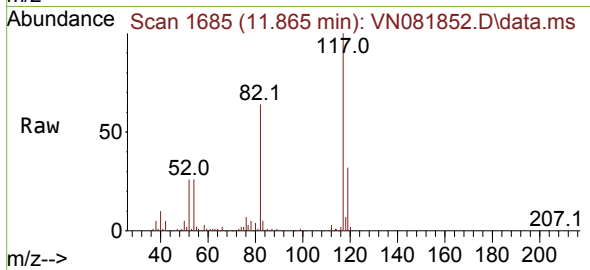
Tgt Ion:117 Resp: 355516

Ion Ratio Lower Upper

117 100

82 64.0 44.6 66.8

119 32.0 25.9 38.9



#64

Tetrachloroethene

Concen: 20.270 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Tgt Ion:164 Resp: 52340

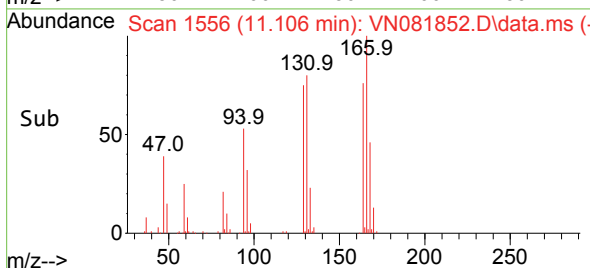
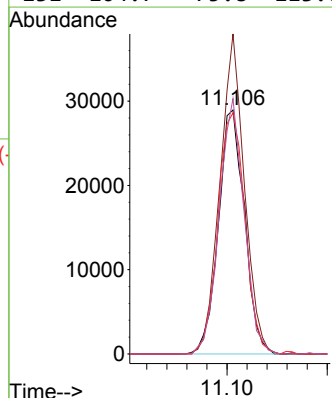
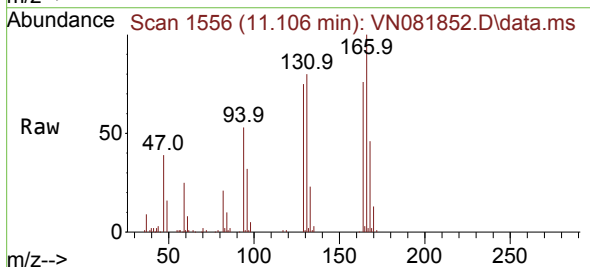
Ion Ratio Lower Upper

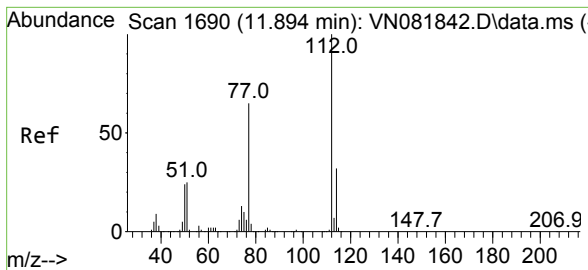
164 100

166 131.2 97.6 146.4

129 98.9 73.7 110.5

131 104.7 75.8 113.6

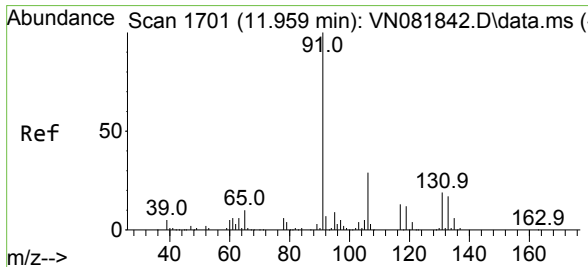
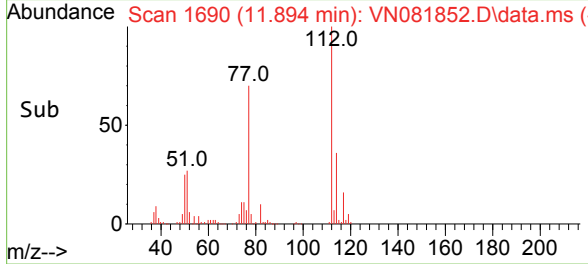
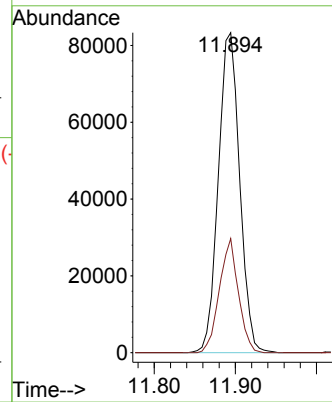
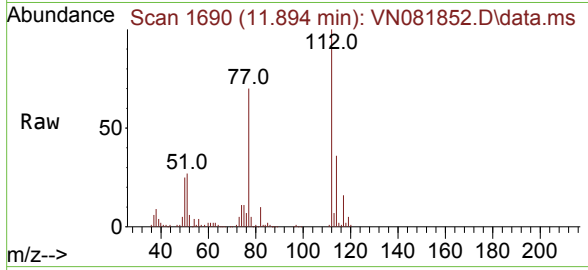




#65  
Chlorobenzene  
Concen: 19.585 ug/l  
RT: 11.894 min Scan# 1189  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

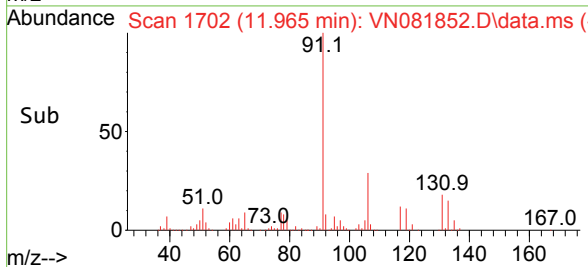
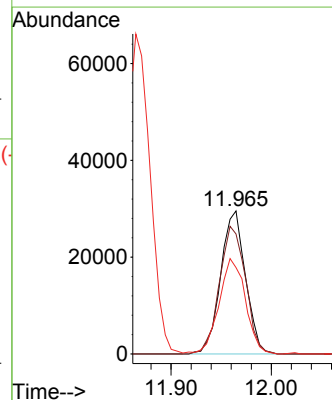
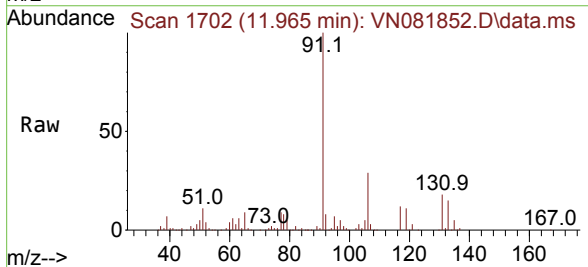
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

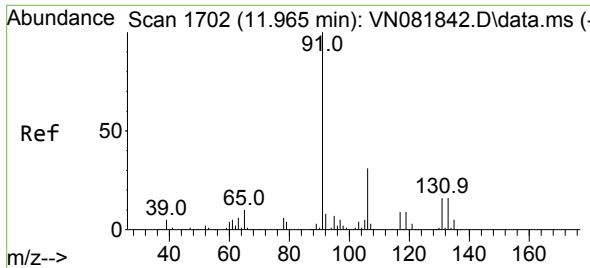
Tgt Ion:112 Resp: 152051  
Ion Ratio Lower Upper  
112 100  
114 35.6 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.153 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion:131 Resp: 50850  
Ion Ratio Lower Upper  
131 100  
133 93.7 47.5 142.6  
119 71.0 32.9 98.7

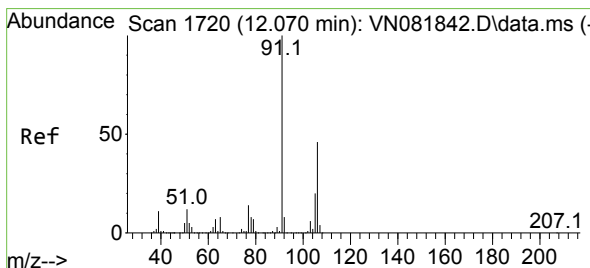
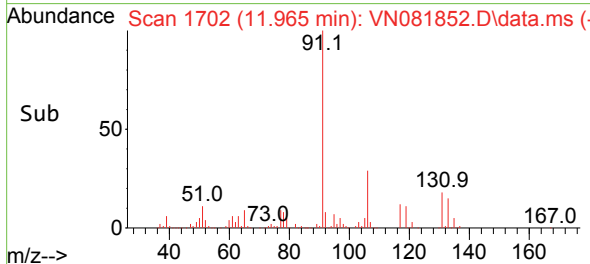
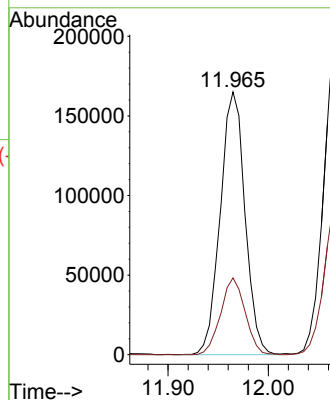
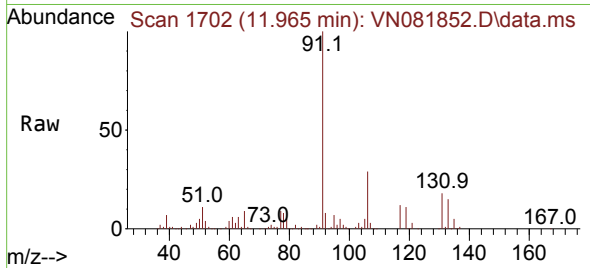




#67  
Ethyl Benzene  
Concen: 19.586 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

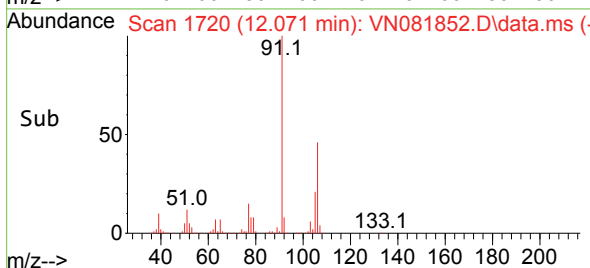
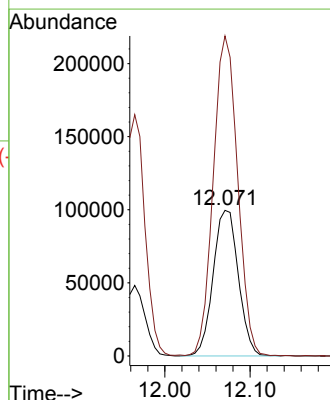
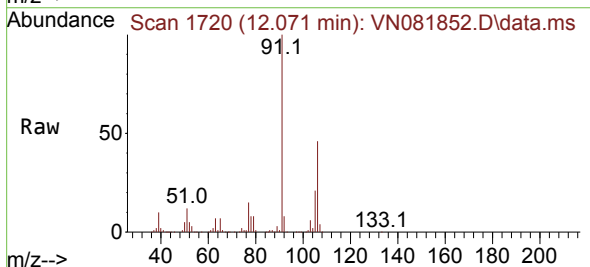
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

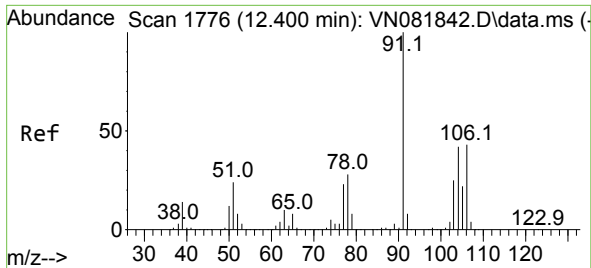
Tgt Ion: 91 Resp: 282787  
Ion Ratio Lower Upper  
91 100  
106 29.2 25.3 37.9



#68  
m/p-Xylenes  
Concen: 39.781 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion:106 Resp: 204878  
Ion Ratio Lower Upper  
106 100  
91 212.7 159.4 239.0

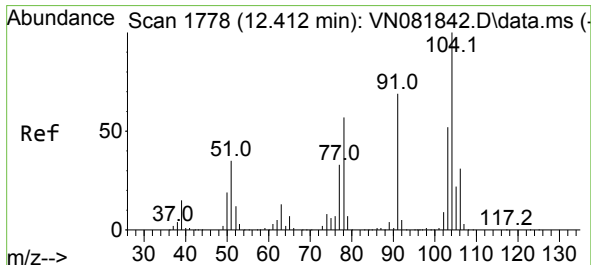
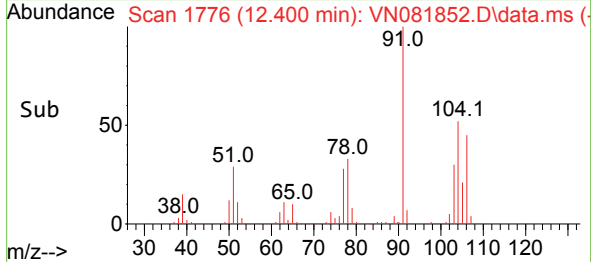
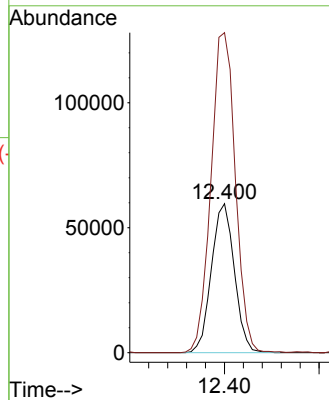
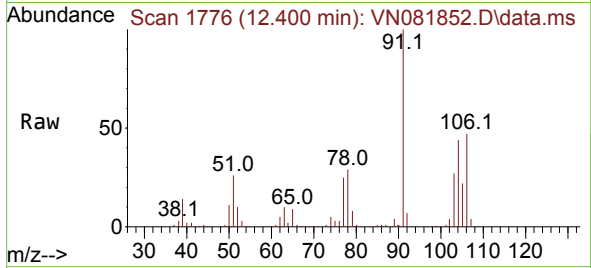




#69  
o-Xylene  
Concen: 19.937 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

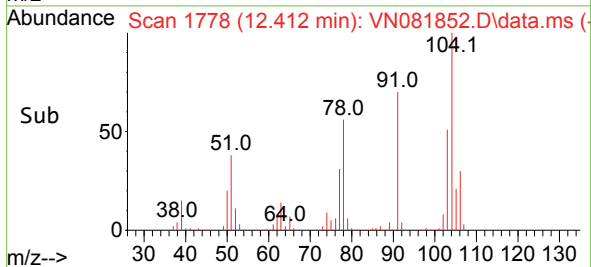
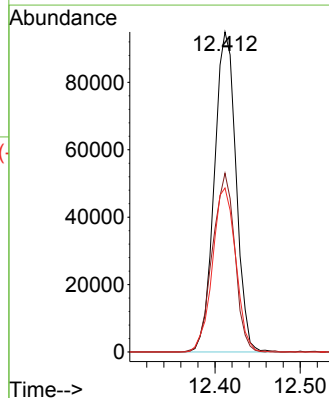
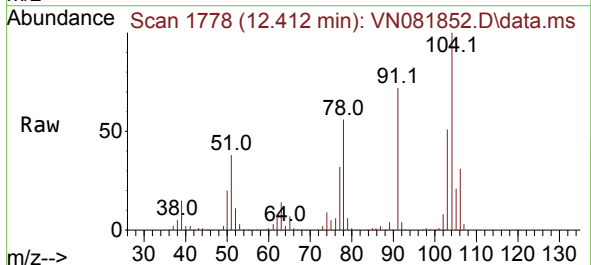
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

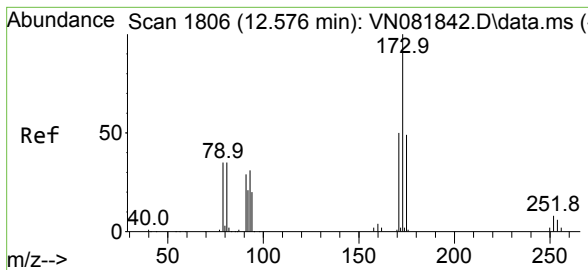
Tgt Ion:106 Resp: 100245  
Ion Ratio Lower Upper  
106 100  
91 228.7 104.7 314.1



#70  
Styrene  
Concen: 19.321 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion:104 Resp: 168052  
Ion Ratio Lower Upper  
104 100  
78 57.5 38.6 58.0  
103 54.9 43.8 65.6





#71

Bromoform

Concen: 18.442 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

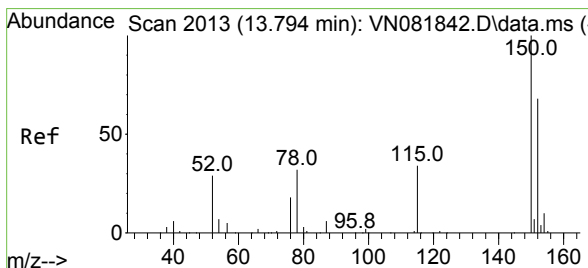
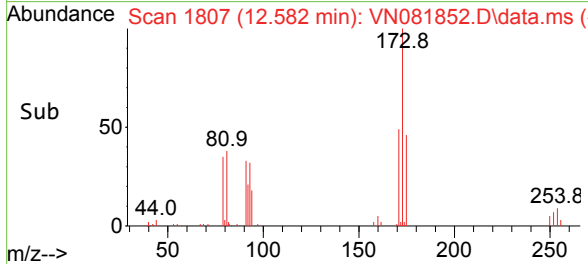
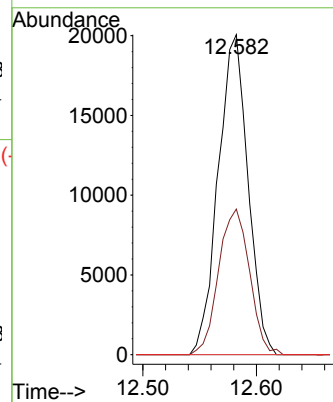
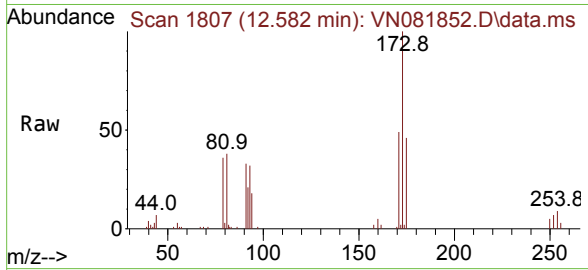
Tgt Ion:173 Resp: 36582

Ion Ratio Lower Upper

173 100

175 47.2 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

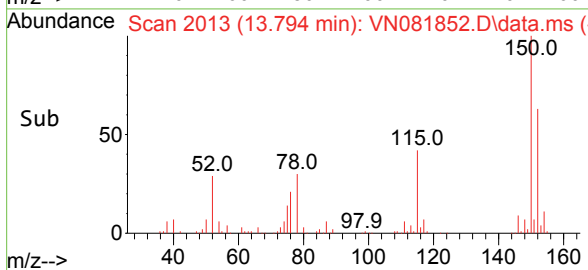
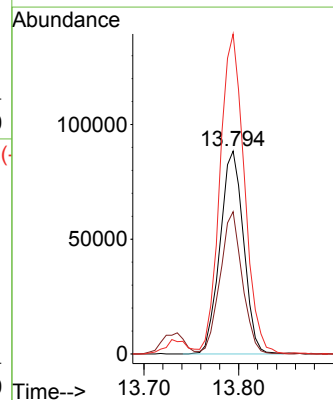
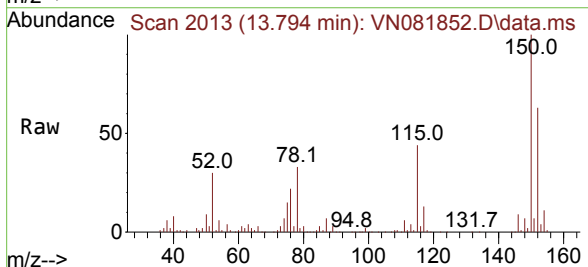
Tgt Ion:152 Resp: 152445

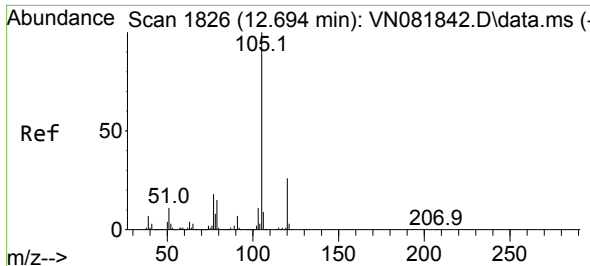
Ion Ratio Lower Upper

152 100

115 66.3 30.4 91.3

150 163.0 0.0 353.2

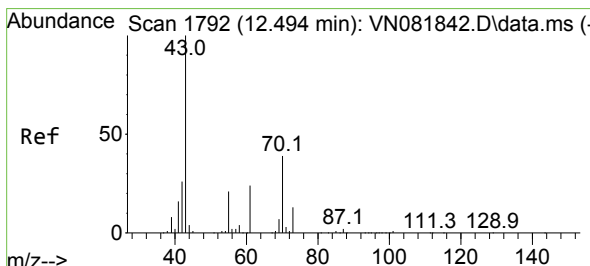
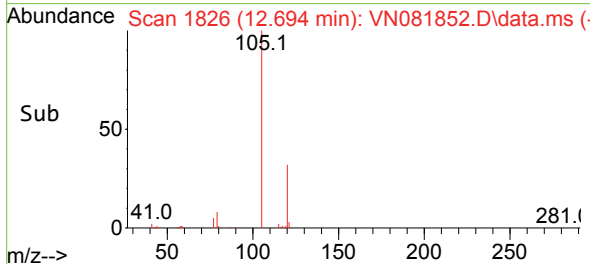
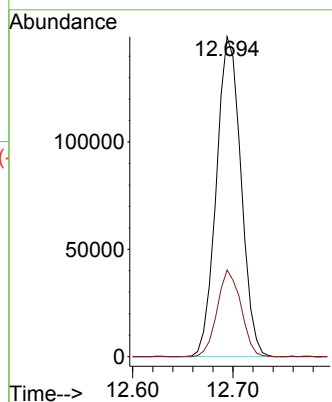
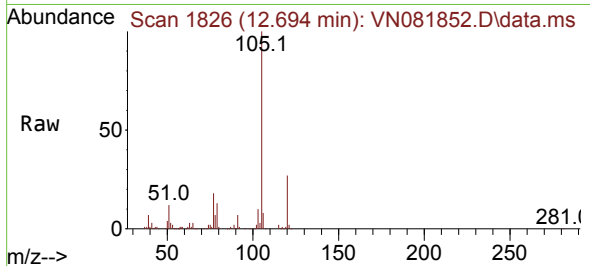




#73  
Isopropylbenzene  
Concen: 18.699 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

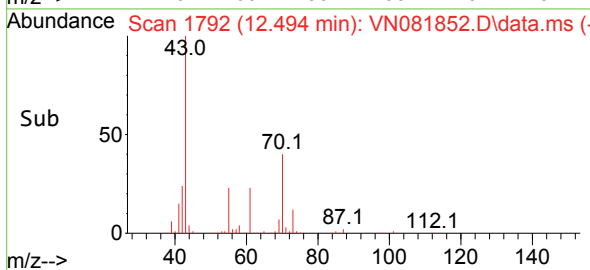
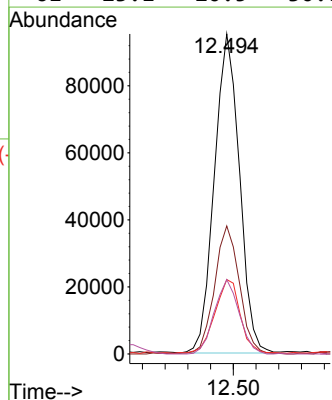
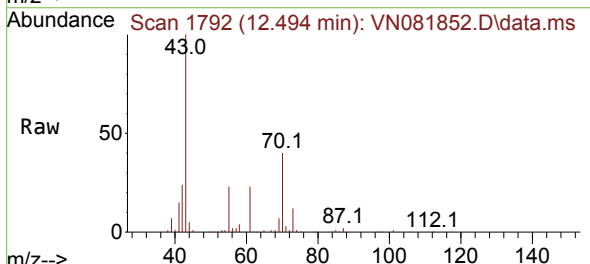
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

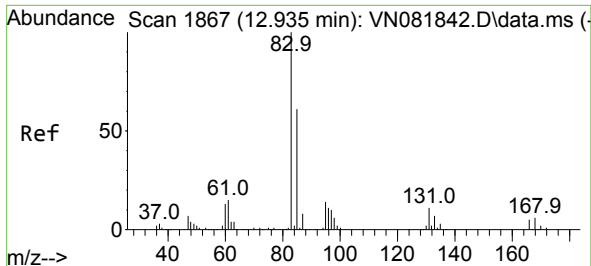
Tgt Ion:105 Resp: 253438  
Ion Ratio Lower Upper  
105 100  
120 26.1 13.4 40.1



#74  
N-ethyl acetate  
Concen: 19.339 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 43 Resp: 145933  
Ion Ratio Lower Upper  
43 100  
70 39.9 39.0 58.4  
55 23.5 21.3 31.9  
61 23.1 20.5 30.7

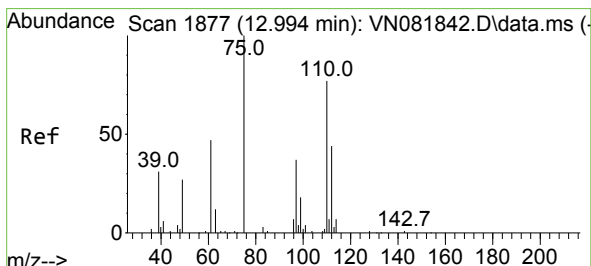
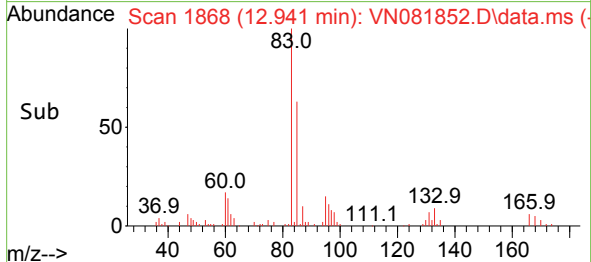
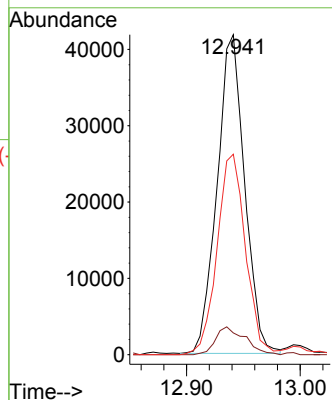
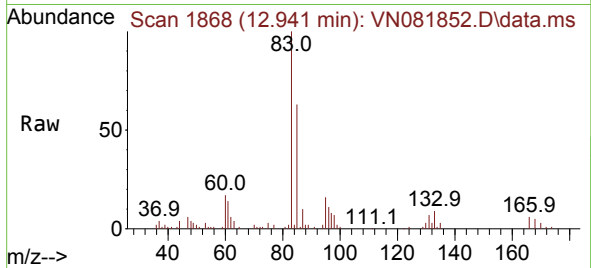




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 17.321 ug/l  
 RT: 12.941 min Scan# 1868  
 Delta R.T. 0.006 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

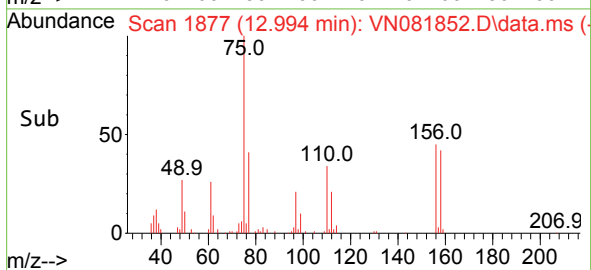
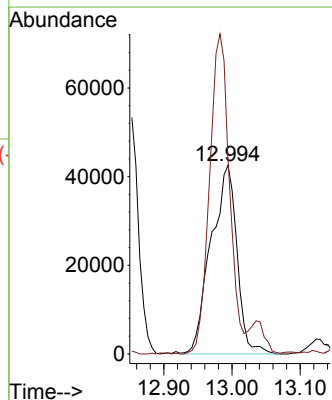
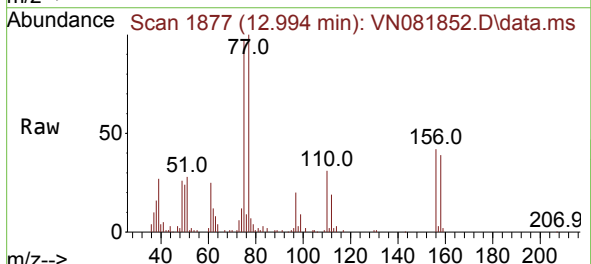
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0425WBSD01

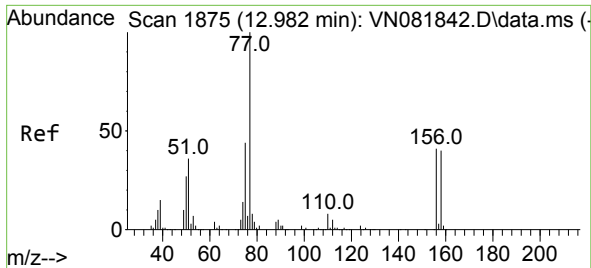
Tgt Ion: 83 Resp: 70501  
 Ion Ratio Lower Upper  
 83 100  
 131 9.3 5.5 16.4  
 85 64.9 32.9 98.6



#76  
 1,2,3-Trichloropropane  
 Concen: 28.520 ug/l  
 RT: 12.994 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: VN081852.D  
 Acq: 25 Apr 2024 15:53

Tgt Ion: 75 Resp: 112728  
 Ion Ratio Lower Upper  
 75 100  
 77 130.1 90.5 271.3

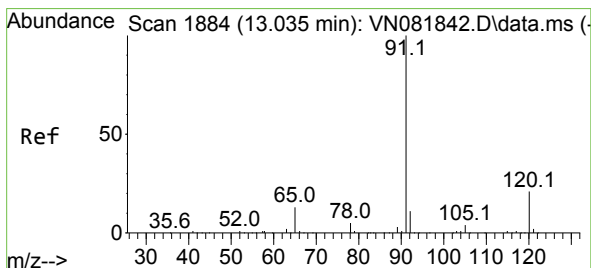
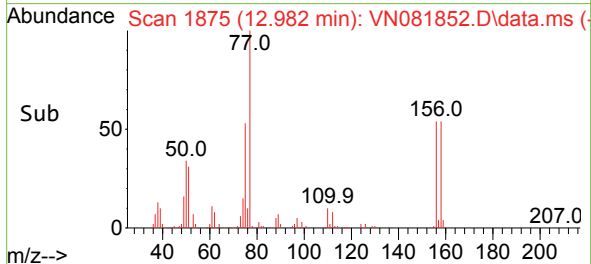
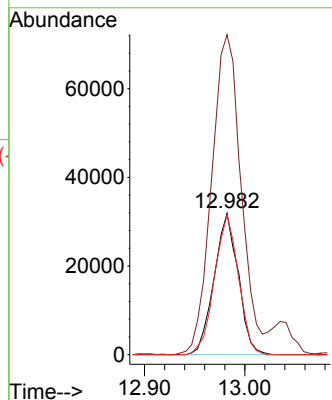
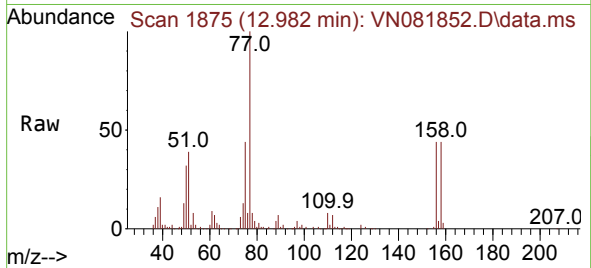




#77  
Bromobenzene  
Concen: 18.750 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

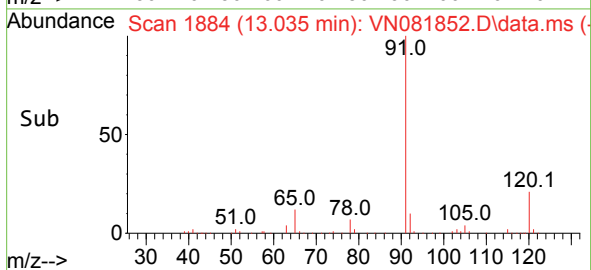
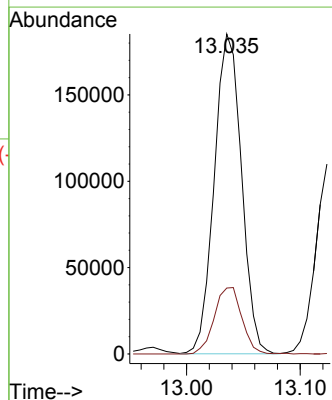
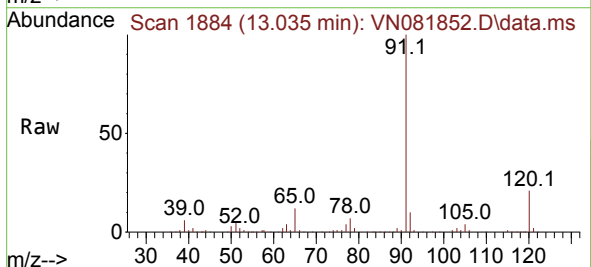
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

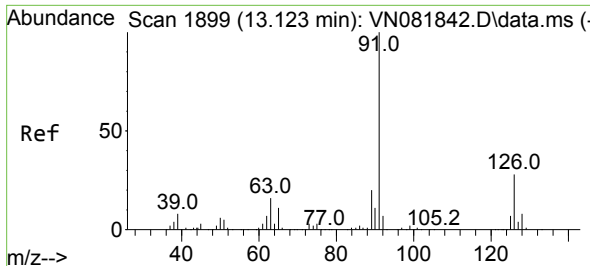
Tgt Ion:156 Resp: 53180  
Ion Ratio Lower Upper  
156 100  
77 275.7 100.2 300.6  
158 98.4 49.1 147.3



#78  
n-propylbenzene  
Concen: 18.747 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 91 Resp: 308640  
Ion Ratio Lower Upper  
91 100  
120 21.1 11.7 35.0

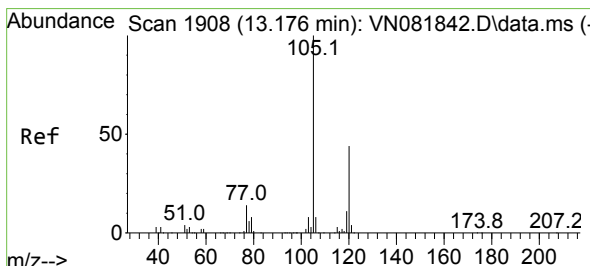
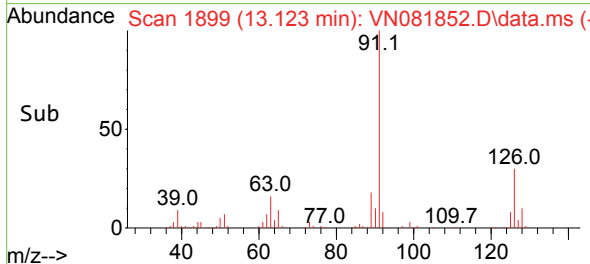
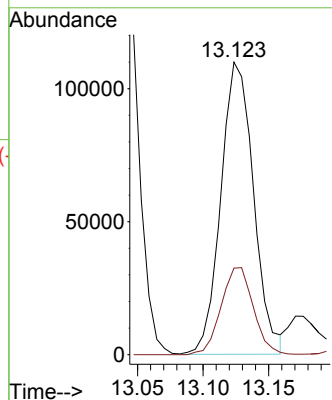
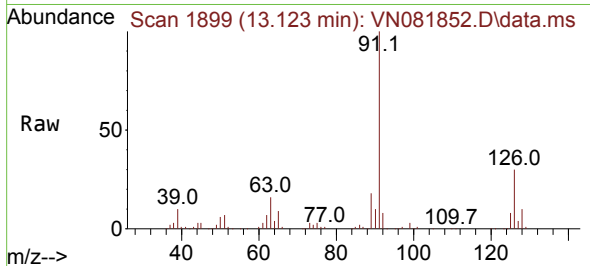




#79  
2-Chlorotoluene  
Concen: 18.221 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

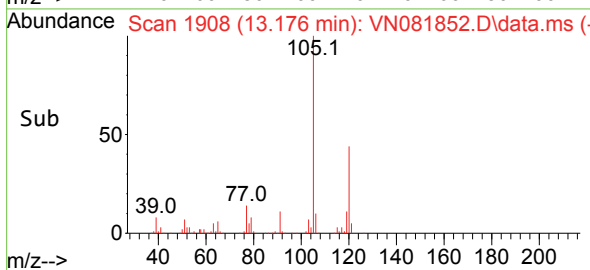
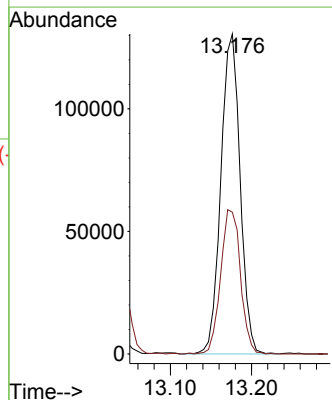
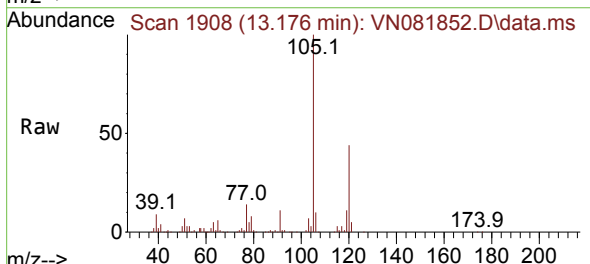
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

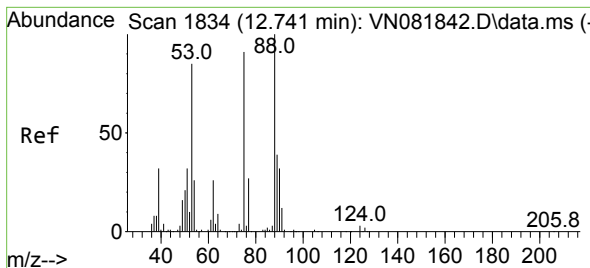
Tgt Ion: 91 Resp: 190853  
Ion Ratio Lower Upper  
91 100  
126 29.4 17.5 52.5



#80  
1,3,5-Trimethylbenzene  
Concen: 18.773 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 105 Resp: 215312  
Ion Ratio Lower Upper  
105 100  
120 46.4 24.8 74.3

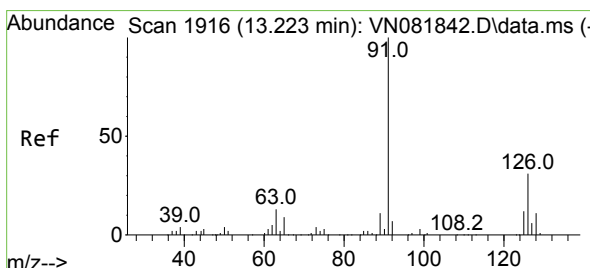
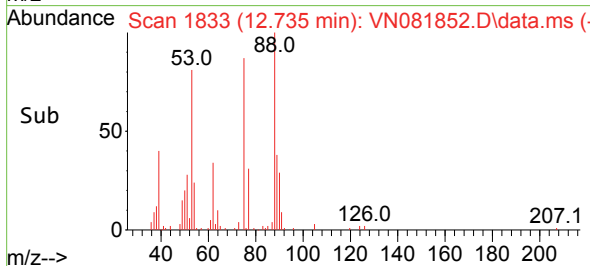
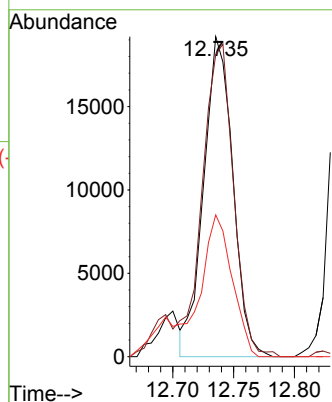
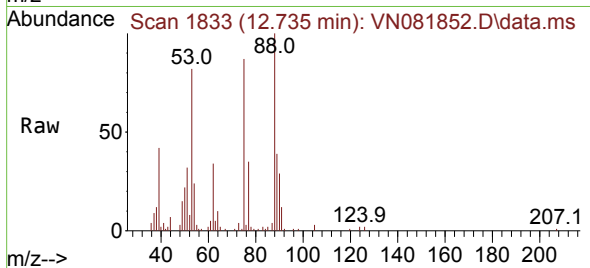




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.602 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

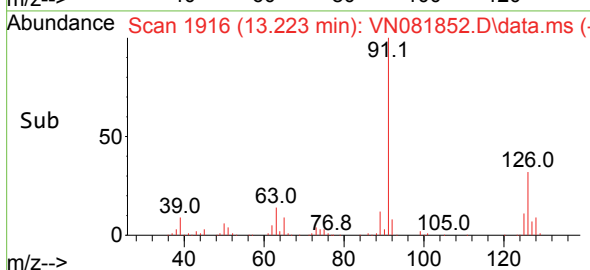
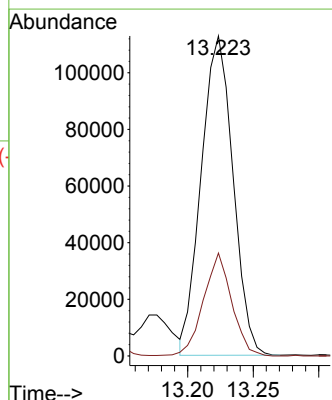
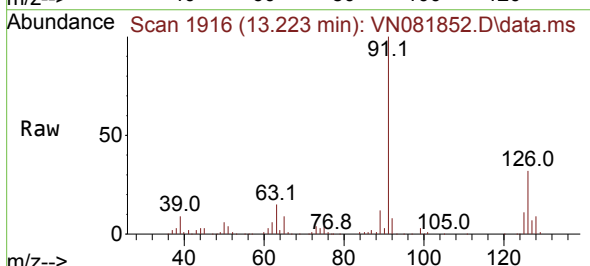
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

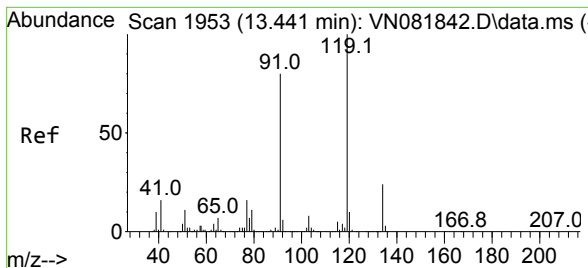
Tgt Ion: 75 Resp: 32024  
Ion Ratio Lower Upper  
75 100  
53 105.3 72.9 109.3  
89 46.5 39.1 58.7



#82  
4-Chlorotoluene  
Concen: 18.700 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Tgt Ion: 91 Resp: 190167  
Ion Ratio Lower Upper  
91 100  
126 28.7 17.4 52.3





#83

tert-Butylbenzene

Concen: 18.750 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

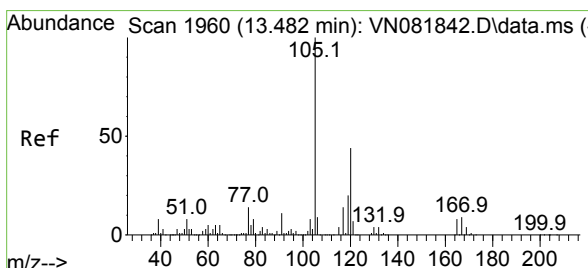
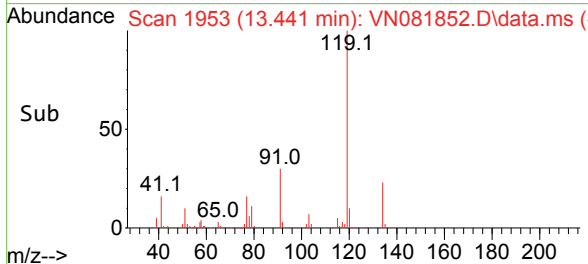
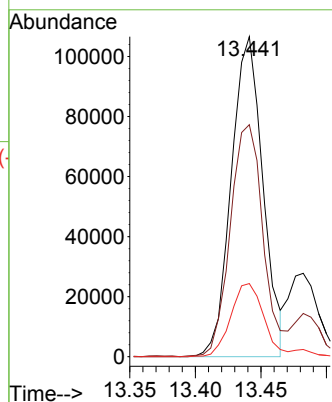
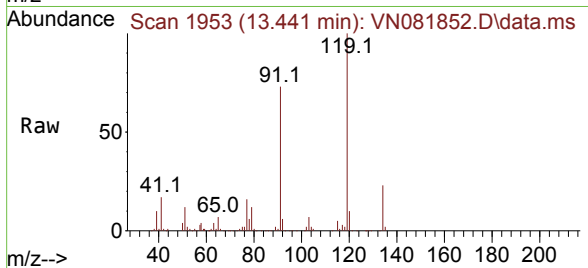
Tgt Ion:119 Resp: 179084

Ion Ratio Lower Upper

119 100

91 76.0 32.6 97.8

134 23.7 12.4 37.0



#84

1,2,4-Trimethylbenzene

Concen: 18.961 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081852.D

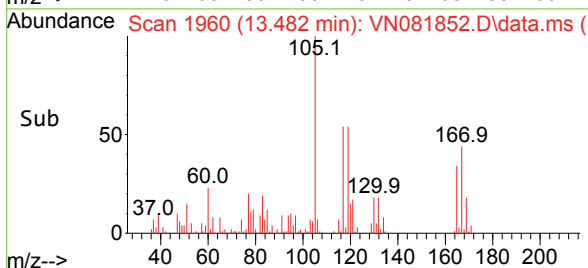
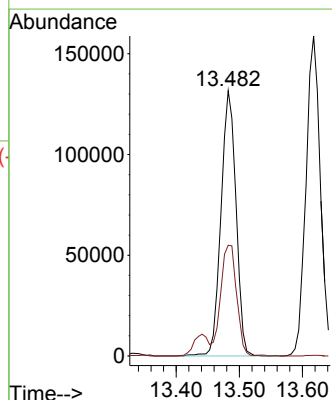
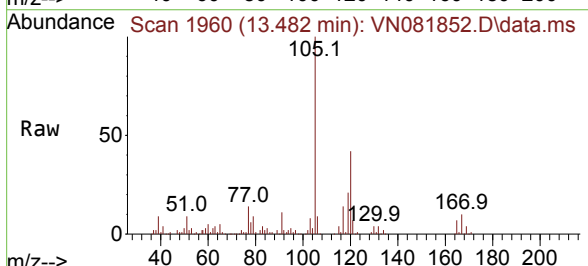
Acq: 25 Apr 2024 15:53

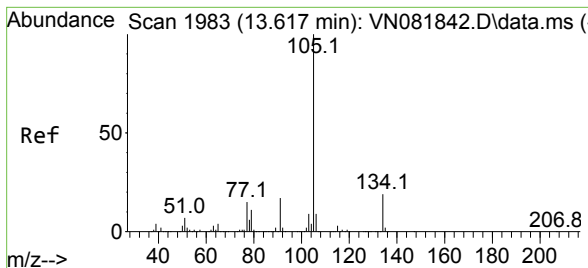
Tgt Ion:105 Resp: 217173

Ion Ratio Lower Upper

105 100

120 44.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 18.680 ug/l

RT: 13.618 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

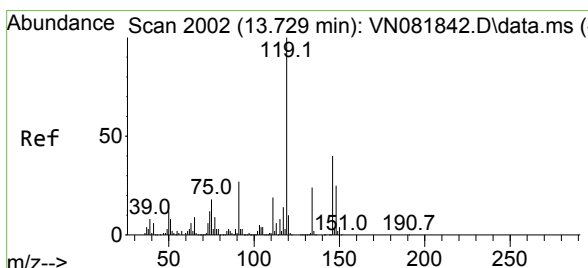
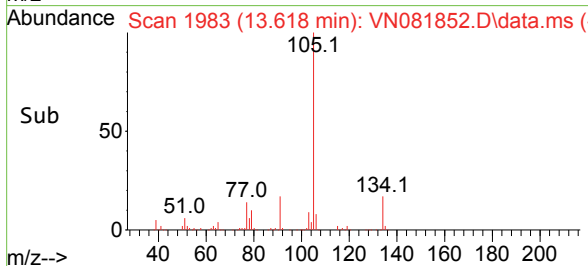
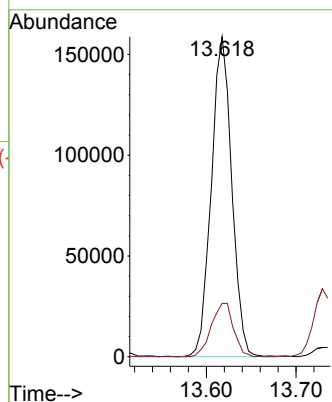
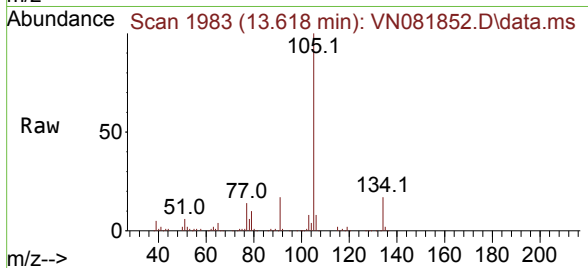
VN0425WBSD01

Tgt Ion:105 Resp: 251316

Ion Ratio Lower Upper

105 100

134 18.0 10.2 30.4



#86

p-Isopropyltoluene

Concen: 19.202 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

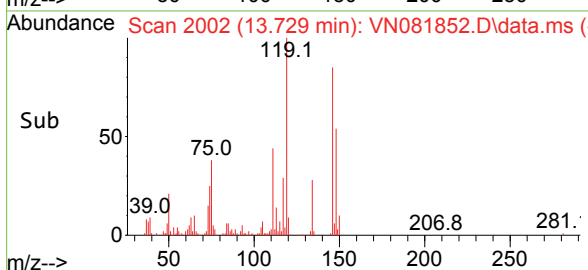
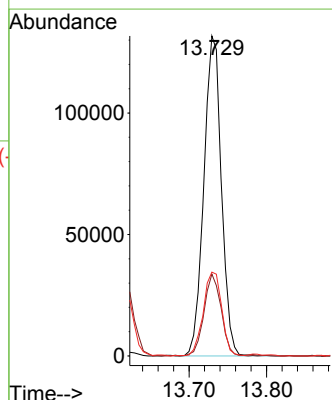
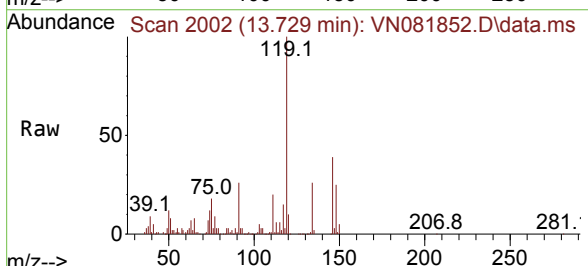
Tgt Ion:119 Resp: 207430

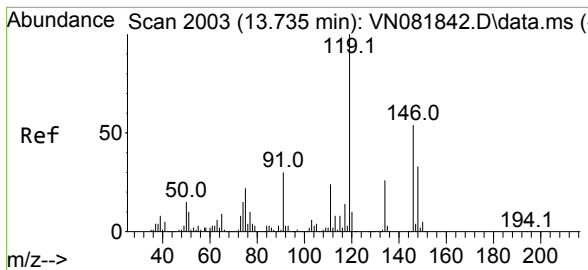
Ion Ratio Lower Upper

119 100

134 25.0 13.2 39.5

91 27.6 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 18.563 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

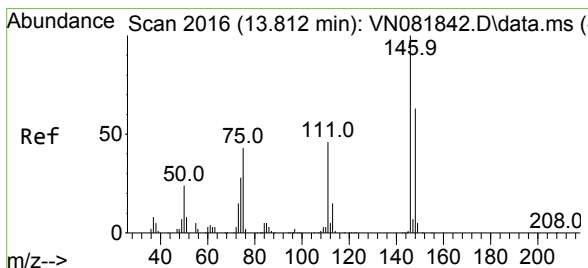
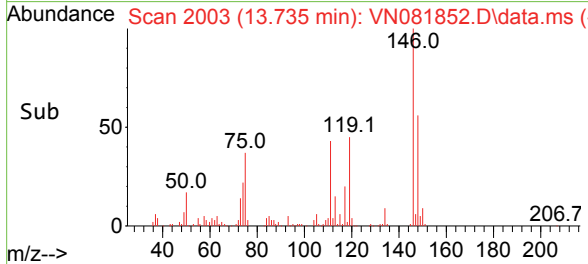
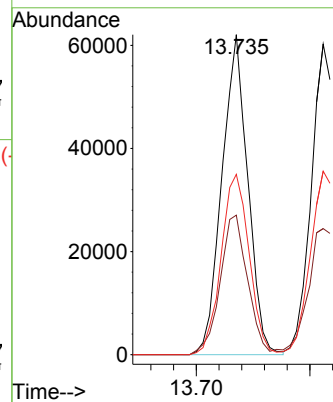
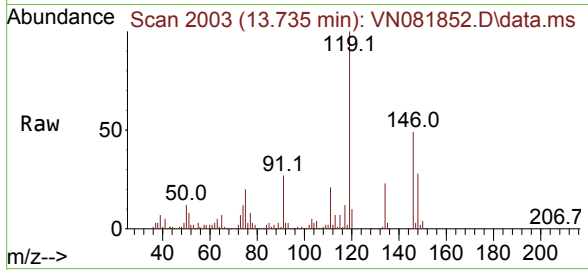
Tgt Ion:146 Resp: 98239

Ion Ratio Lower Upper

146 100

111 46.7 20.8 62.5

148 61.1 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 19.133 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

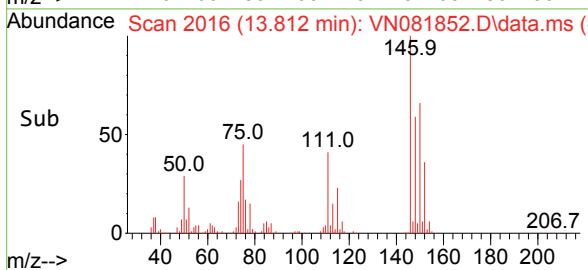
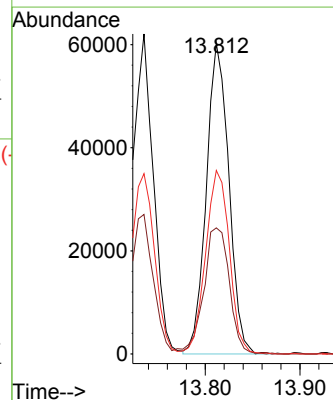
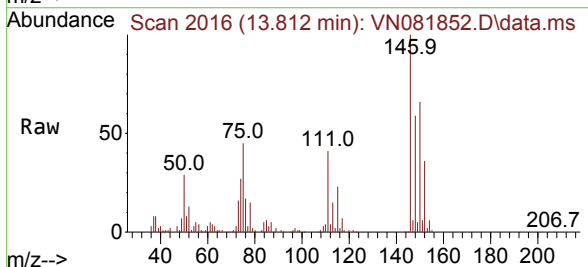
Tgt Ion:146 Resp: 99709

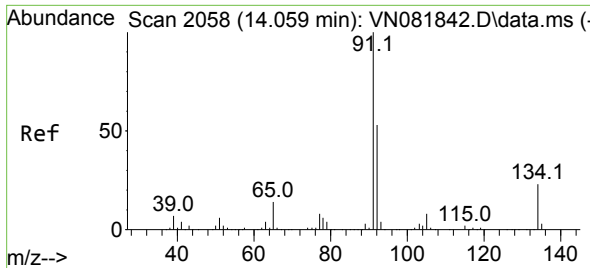
Ion Ratio Lower Upper

146 100

111 45.8 19.3 57.9

148 62.5 31.3 93.9

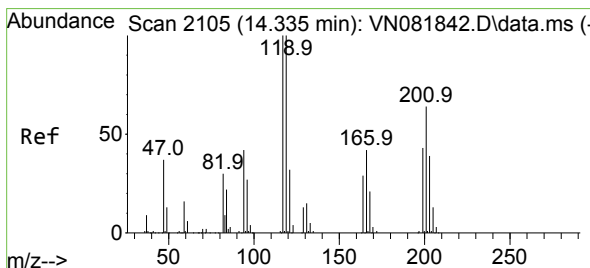
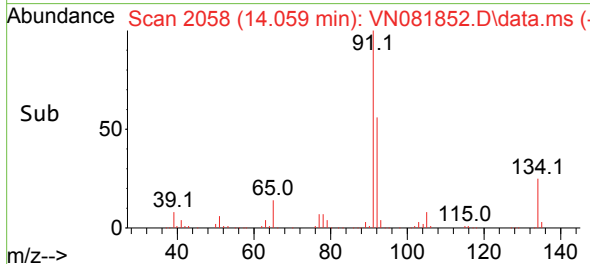
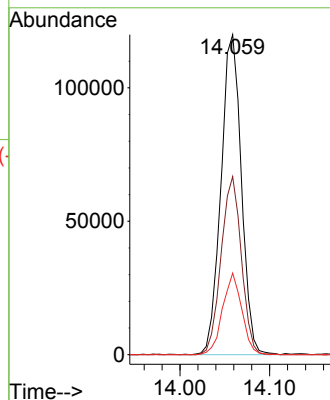
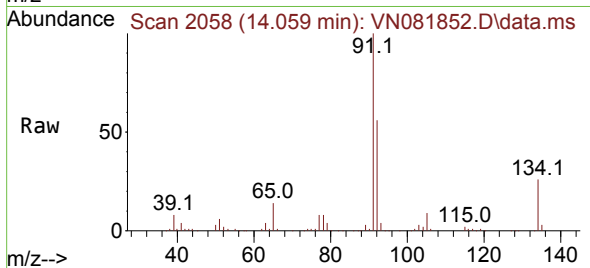




#89  
n-Butylbenzene  
Concen: 18.827 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

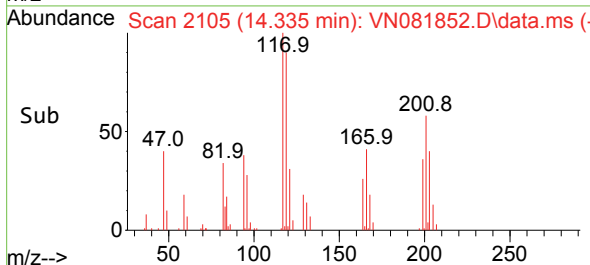
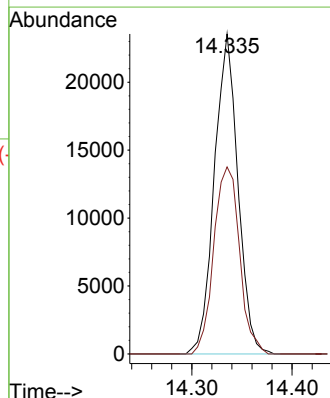
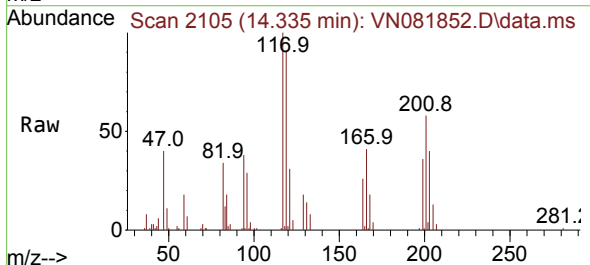
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

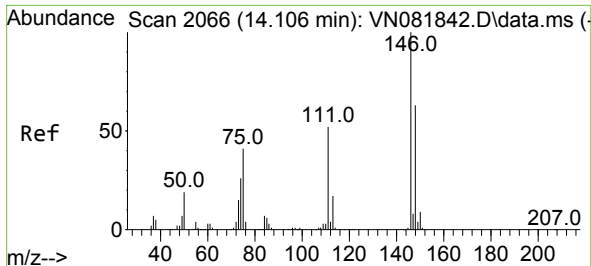
Tgt Ion: 91 Resp: 189306  
Ion Ratio Lower Upper  
91 100  
92 55.2 26.2 78.5  
134 24.1 13.2 39.5



#90  
Hexachloroethane  
Concen: 18.092 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

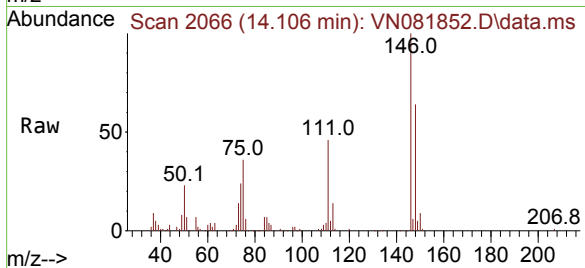
Tgt Ion: 117 Resp: 38446  
Ion Ratio Lower Upper  
117 100  
201 63.9 33.3 99.8



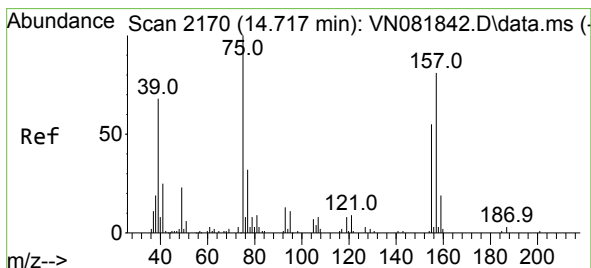
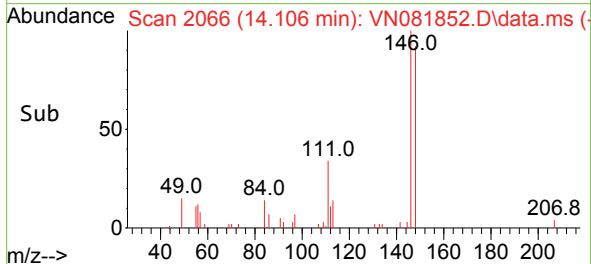
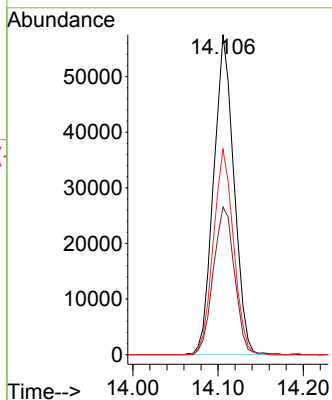


#91  
1,2-Dichlorobenzene  
Concen: 18.801 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0425WBSD01

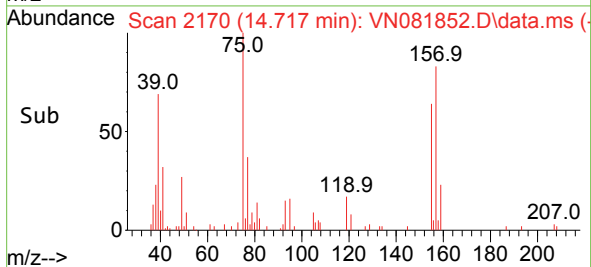
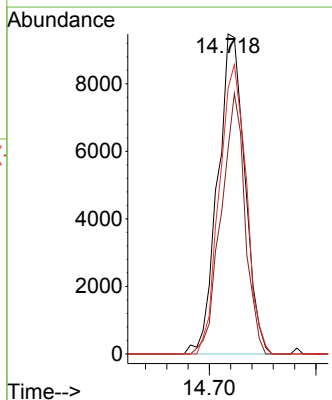
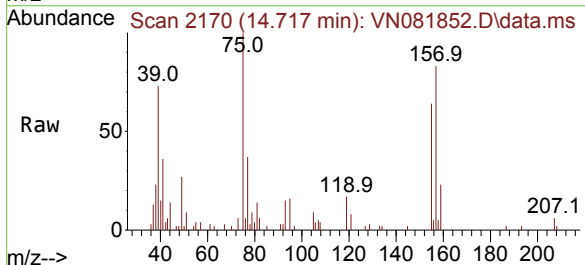


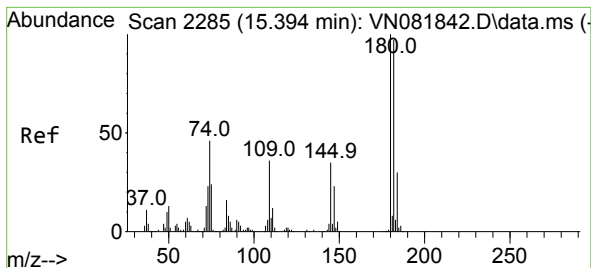
| Tgt Ion:  | 146   | Resp: | 95384 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 48.3  | 21.3  | 64.0  |
| 148       | 63.9  | 31.8  | 95.4  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 16.888 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. 0.000 min  
Lab File: VN081852.D  
Acq: 25 Apr 2024 15:53

| Tgt Ion:  | 75    | Resp: | 16735 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 71.9  | 42.6  | 128.0 |
| 157       | 89.4  | 53.0  | 159.0 |





#93

1,2,4-Trichlorobenzene

Concen: 18.825 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

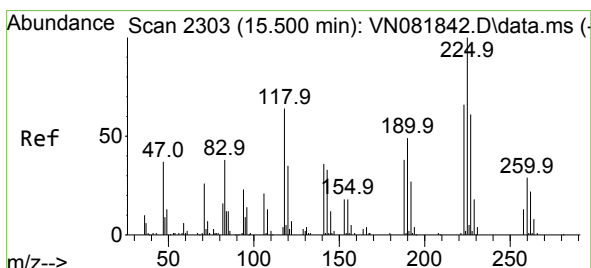
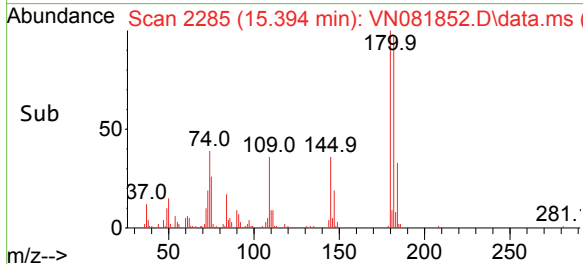
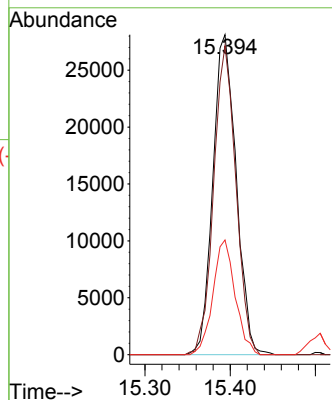
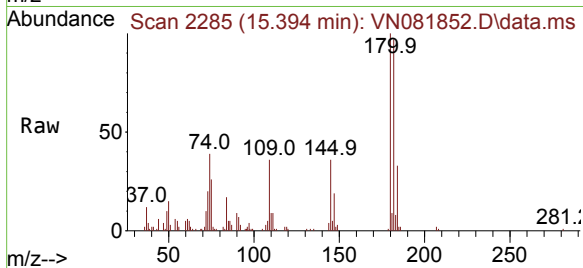
Tgt Ion:180 Resp: 53430

Ion Ratio Lower Upper

180 100

182 92.2 46.7 140.0

145 34.3 16.2 48.6



#94

Hexachlorobutadiene

Concen: 19.919 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

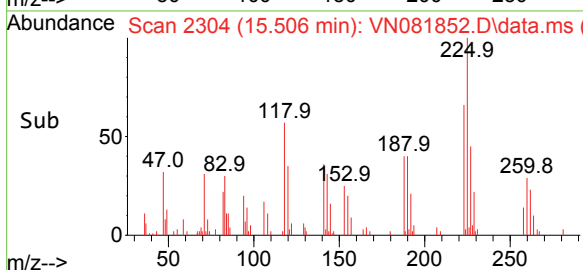
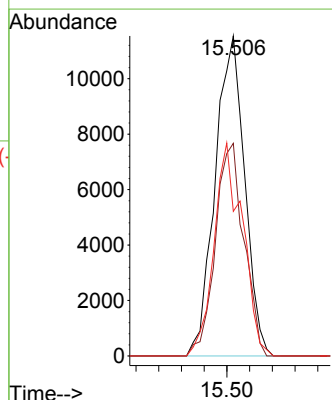
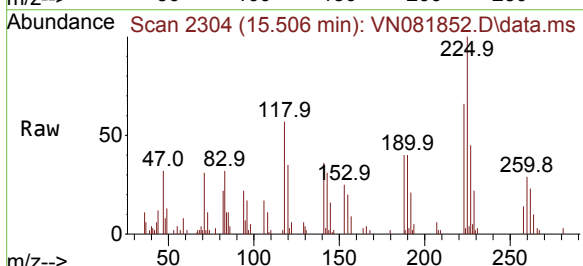
Tgt Ion:225 Resp: 20838

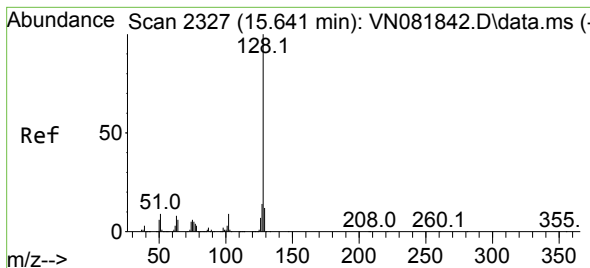
Ion Ratio Lower Upper

225 100

223 64.2 31.1 93.2

227 64.0 30.6 91.6





#95

Naphthalene

Concen: 18.417 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0425WBSD01

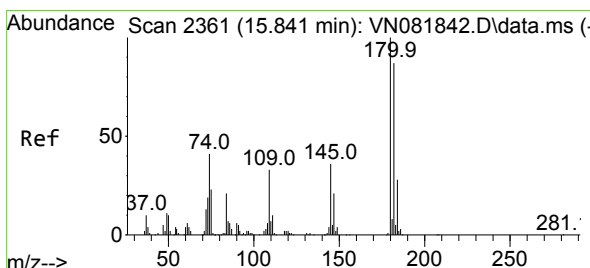
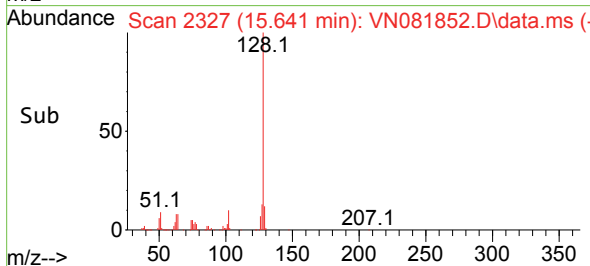
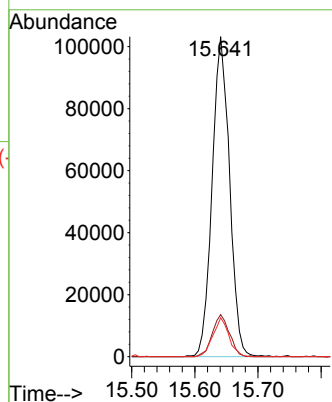
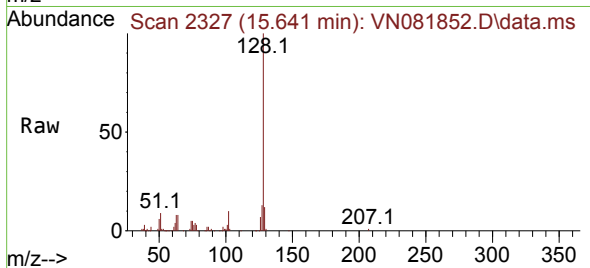
Tgt Ion:128 Resp: 197523

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.2 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 19.553 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN081852.D

Acq: 25 Apr 2024 15:53

Tgt Ion:180 Resp: 53282

Ion Ratio Lower Upper

180 100

182 94.5 46.0 137.8

145 36.9 17.1 51.3

