

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062323\  
 Data File : VN078366.D  
 Acq On : 23 Jun 2023 09:58  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Quant Time: Jun 24 00:30:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062323W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 24 00:28:04 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 7.824  | 128   | 82439    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 443939   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.871 | 117   | 397724   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.588  | 65    | 180296   | 29.043   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 96.800%  |
| 60) 4-Bromofluorobenzene     | 12.853 | 95    | 165377   | 29.513   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 98.367%  |
| 63) Toluene-d8               | 10.571 | 98    | 581842   | 30.193   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 100.633% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.136  | 85    | 93475    | 18.721   | ug/l   | 99       |
| 3) Chloromethane             | 2.371  | 50    | 116899   | 19.413   | ug/l   | 90       |
| 4) Vinyl Chloride            | 2.524  | 62    | 142373   | 19.221   | ug/l   | 99       |
| 5) Bromomethane              | 2.971  | 94    | 96735    | 16.065   | ug/l   | 96       |
| 6) Chloroethane              | 3.130  | 64    | 106213   | 20.132   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.506  | 101   | 163817   | 18.791   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.971  | 74    | 53386    | 18.345   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.383  | 101   | 85374    | 18.015   | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.353  | 96    | 84535    | 18.193   | ug/l   | 94       |
| 11) Methyl Iodide            | 4.600  | 142   | 122121   | 18.551   | ug/l   | 99       |
| 12) Methyl Acetate           | 5.042  | 43    | 132932   | 18.446   | ug/l   | 96       |
| 13) Acrolein                 | 4.189  | 56    | 82499    | 91.397   | ug/l   | 99       |
| 14) Acrylonitrile            | 5.736  | 53    | 179976   | 90.959   | ug/l   | 98       |
| 15) Acetone                  | 4.436  | 58    | 53582    | 96.698   | ug/l   | 93       |
| 16) Carbon Disulfide         | 4.724  | 76    | 222409   | 17.516   | ug/l   | 98       |
| 17) Allyl chloride           | 5.036  | 41    | 105884   | 18.131   | ug/l   | 92       |
| 18) Methylene Chloride       | 5.283  | 84    | 101359   | 18.409   | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 5.794  | 96    | 91345    | 17.813   | ug/l   | 92       |
| 20) Diisopropyl ether        | 6.689  | 45    | 252935   | 18.067   | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.577  | 63    | 168663   | 18.163   | ug/l # | 95       |
| 22) cis-1,2-Dichloroethene   | 7.500  | 96    | 104831   | 17.970   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.536  | 59    | 63658    | 87.508   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.806  | 73    | 262201   | 17.896   | ug/l   | 97       |
| 25) Chloroform               | 7.977  | 83    | 181938   | 18.540   | ug/l   | 99       |
| 26) Cyclohexane              | 8.265  | 56    | 121887   | 18.340   | ug/l # | 100      |
| 29) 1,1-Dichloropropene      | 8.383  | 75    | 131075   | 19.046   | ug/l   | 100      |
| 30) 2-Butanone               | 7.494  | 43    | 226498   | 93.898   | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 7.500  | 77    | 140230   | 19.058   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 160806   | 19.177   | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.371  | 117   | 141026   | 19.289   | ug/l   | 95       |
| 34) Benzene                  | 8.612  | 78    | 393564   | 19.178   | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.788  | 41    | 49262    | 17.796   | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 8.677  | 62    | 130600   | 18.666   | ug/l   | 99       |
| 37) Trichloroethene          | 9.359  | 130   | 97794    | 18.651   | ug/l   | 93       |
| 38) Methylcyclohexane        | 9.606  | 83    | 111216   | 18.394   | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.630  | 63    | 98506    | 19.162   | ug/l   | 99       |
| 40) Dibromomethane           | 9.718  | 93    | 69539    | 18.746   | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.894  | 83    | 140270   | 19.464   | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.612  | 43    | 729840   | 94.980   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062323\  
 Data File : VN078366.D  
 Acq On : 23 Jun 2023 09:58  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

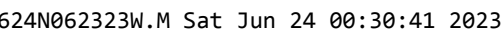
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

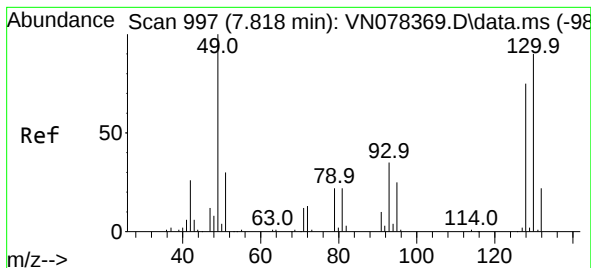
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 24 00:28:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.571  | 43   | 83543    | 16.885  | ug/l  | 97       |
| 44) Isopropyl Acetate         | 8.694  | 43   | 167308   | 18.238  | ug/l  | 98       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 31005    | 392.371 | ug/l  | 94       |
| 46) Methyl methacrylate       | 9.688  | 41   | 81655    | 19.996  | ug/l  | 91       |
| 47) n-amyl Acetate            | 12.500 | 43   | 126156   | 18.708  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 138096   | 18.668  | ug/l  | 94       |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 157016   | 19.256  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane     | 11.024 | 97   | 95672    | 19.238  | ug/l  | 98       |
| 51) Ethyl methacrylate        | 10.882 | 69   | 126008   | 18.522  | ug/l  | 88       |
| 52) 1,3-Dichloropropane       | 11.171 | 76   | 160175   | 19.191  | ug/l  | 99       |
| 53) Dibromochloromethane      | 11.365 | 129  | 101143   | 19.176  | ug/l  | 95       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 95060    | 18.966  | ug/l  | 97       |
| 55) 2-Chloroethyl vinyl ether | 10.171 | 63   | 254052   | 101.223 | ug/l  | 98       |
| 56) Bromoform                 | 12.582 | 173  | 61707    | 19.112  | ug/l  | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.453 | 43   | 485385   | 91.388  | ug/l  | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 333962   | 91.044  | ug/l  | 99       |
| 61) Tetrachloroethene         | 11.112 | 164  | 80076    | 18.374  | ug/l  | 95       |
| 62) Toluene                   | 10.635 | 91   | 431466   | 18.640  | ug/l  | 100      |
| 64) Chlorobenzene             | 11.900 | 112  | 250795   | 18.280  | ug/l  | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 95435    | 18.039  | ug/l  | 98       |
| 66) Ethyl Benzene             | 11.971 | 91   | 434332   | 18.440  | ug/l  | 96       |
| 67) m/p-Xylenes               | 12.076 | 106  | 335671   | 37.691  | ug/l  | 99       |
| 68) o-Xylene                  | 12.400 | 106  | 158512   | 18.355  | ug/l  | 95       |
| 69) Styrene                   | 12.418 | 104  | 255453   | 18.682  | ug/l  | 98       |
| 70) Isopropylbenzene          | 12.700 | 105  | 395686   | 18.646  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 129938   | 18.829  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 13.000 | 75   | 144481   | 23.752  | ug/l  | 60       |
| 73) Bromobenzene              | 12.988 | 156  | 90840    | 17.905  | ug/l  | 97       |
| 74) n-propylbenzene           | 13.041 | 91   | 423945   | 18.372  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 277087   | 17.739  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 320243   | 18.200  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 32540    | 17.502  | ug/l  | 76       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 252339   | 17.263  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.441 | 119  | 249025   | 17.204  | ug/l  | 95       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 306516   | 18.435  | ug/l  | 99       |
| 81) sec-Butylbenzene          | 13.623 | 105  | 327218   | 18.121  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 266136   | 18.323  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 146068   | 18.165  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.817 | 146  | 140211   | 18.034  | ug/l  | 100      |
| 85) n-Butylbenzene            | 14.059 | 91   | 188646   | 17.583  | ug/l  | 97       |
| 86) Hexachloroethane          | 14.335 | 117  | 52579    | 18.808  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 148102   | 18.581  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 18713    | 17.997  | ug/l  | 95       |
| 89) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 39055    | 16.069  | ug/l  | 98       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 26964    | 16.318  | ug/l  | 98       |
| 91) Naphthalene               | 15.647 | 128  | 111883   | 14.049  | ug/l  | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 43765    | 15.565  | ug/l  | 94       |

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

Quant Time: Jun 24 00:30:23 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N062323W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jun 24 00:28:04 2023  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.824 min Scan# 997

Delta R.T. 0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

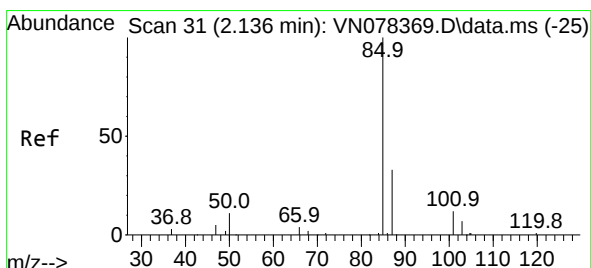
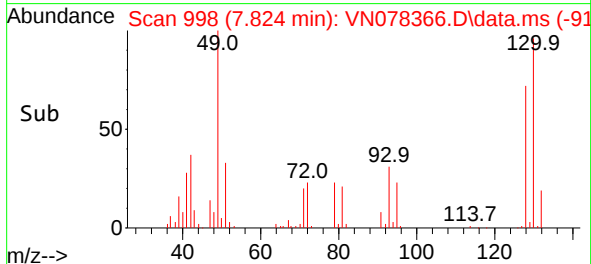
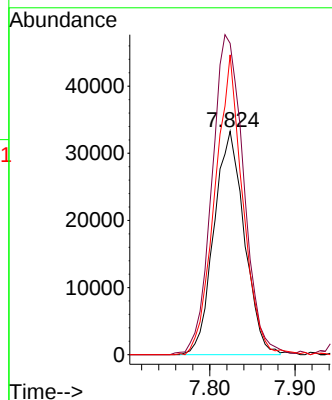
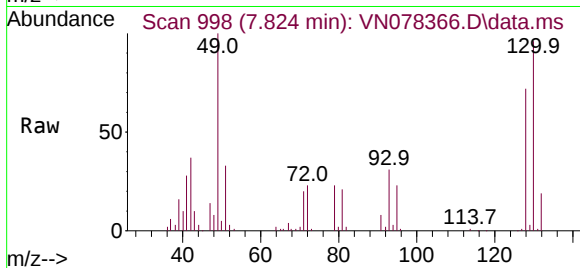
Tgt Ion:128 Resp: 82439

Ion Ratio Lower Upper

128 100

49 147.4 0.0 370.8

130 121.9 0.0 307.0



#2

Dichlorodifluoromethane

Concen: 18.721 ug/l

RT: 2.136 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN078366.D

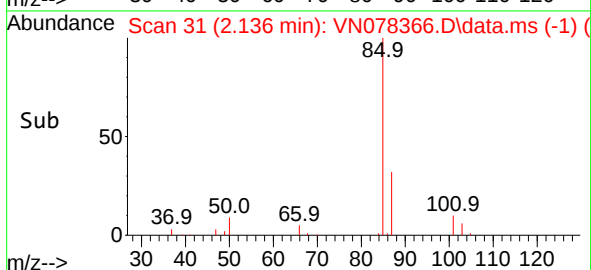
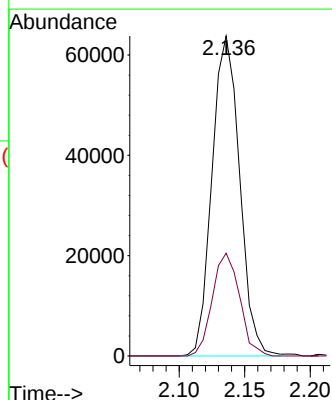
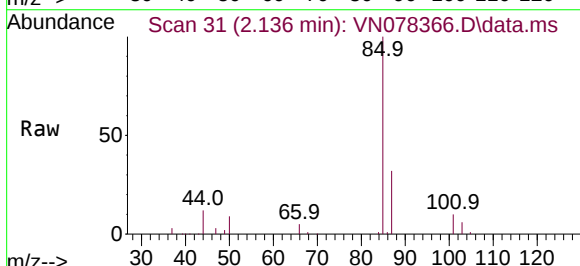
Acq: 23 Jun 2023 09:58

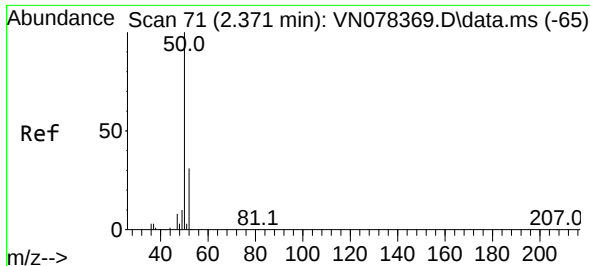
Tgt Ion: 85 Resp: 93475

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.4

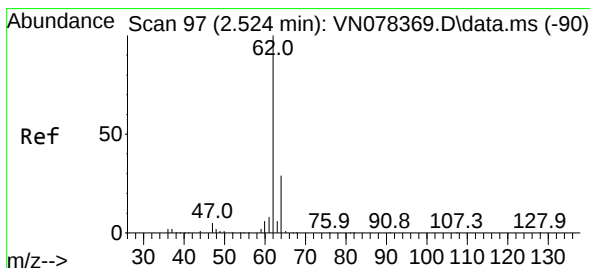
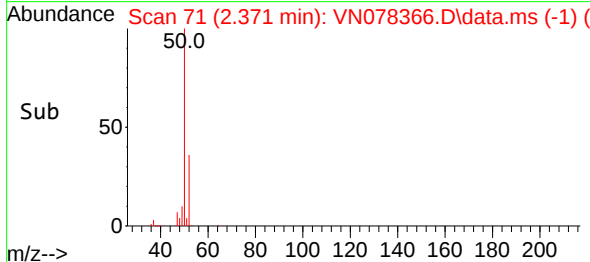
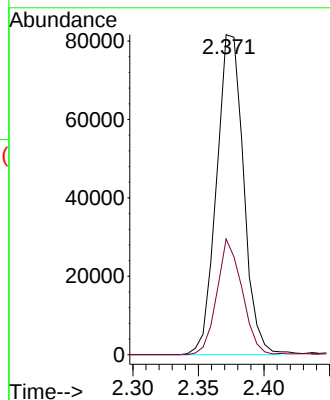
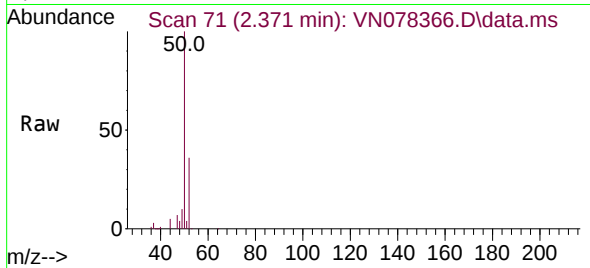




#3  
Chloromethane  
Concen: 19.413 ug/l  
RT: 2.371 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

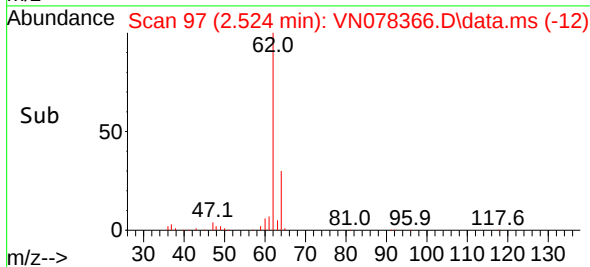
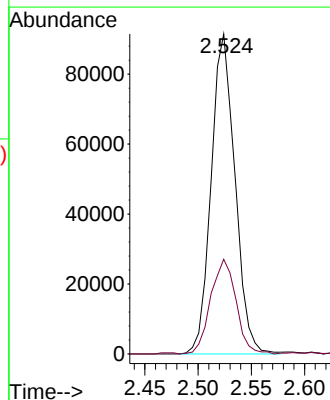
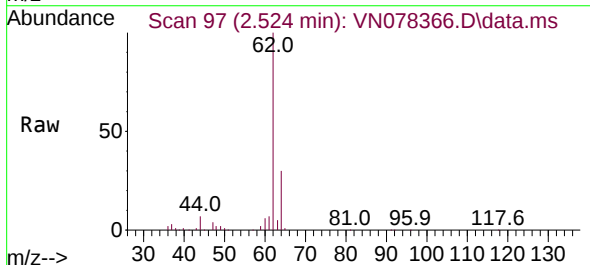
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

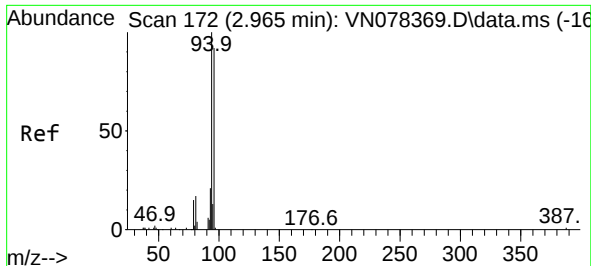
Tgt Ion: 50 Resp: 116899  
Ion Ratio Lower Upper  
50 100  
52 36.1 24.6 36.8



#4  
Vinyl Chloride  
Concen: 19.221 ug/l  
RT: 2.524 min Scan# 97  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 62 Resp: 142373  
Ion Ratio Lower Upper  
62 100  
64 29.6 23.3 34.9

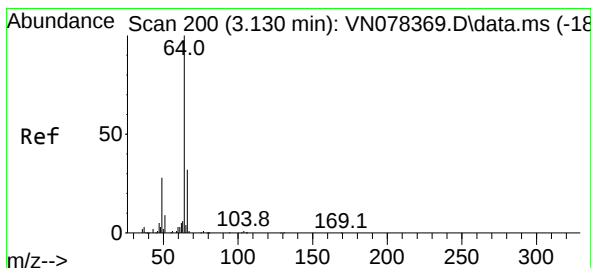
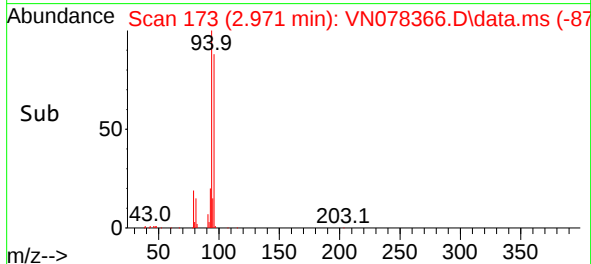
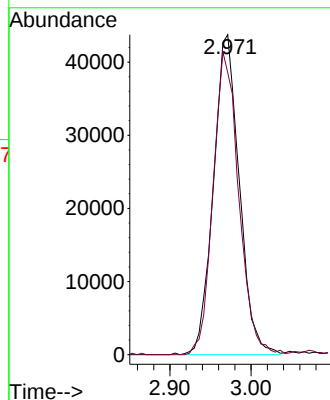
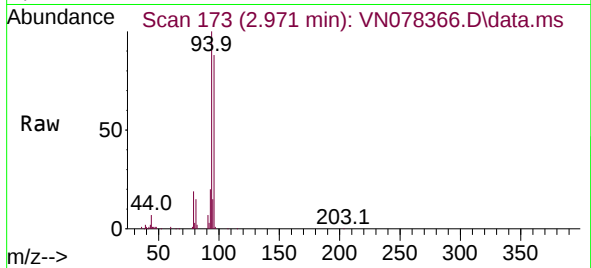




#5  
Bromomethane  
Concen: 16.065 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

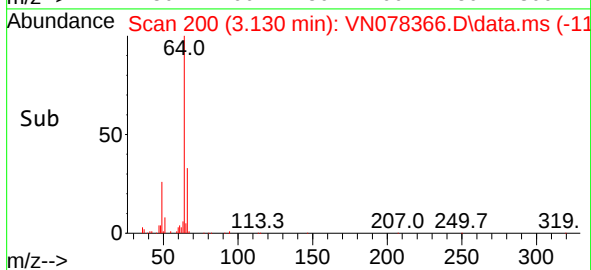
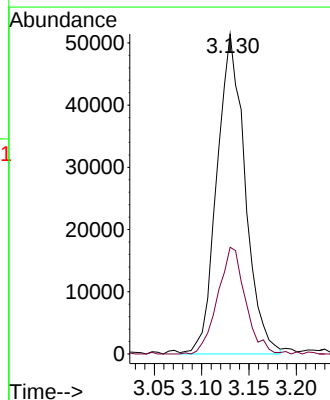
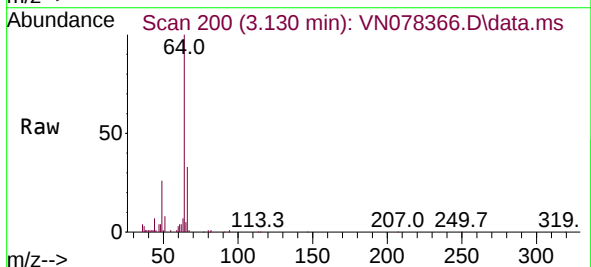
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

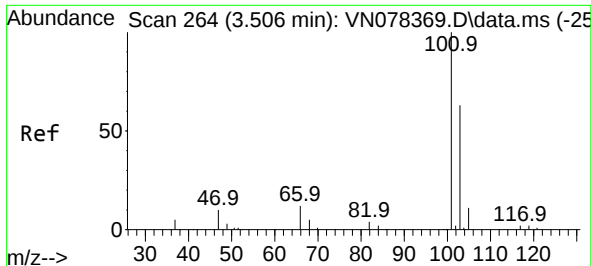
Tgt Ion: 94 Resp: 96735  
Ion Ratio Lower Upper  
94 100  
96 88.1 73.9 110.9



#6  
Chloroethane  
Concen: 20.132 ug/l  
RT: 3.130 min Scan# 200  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 64 Resp: 106213  
Ion Ratio Lower Upper  
64 100  
66 33.5 25.7 38.5

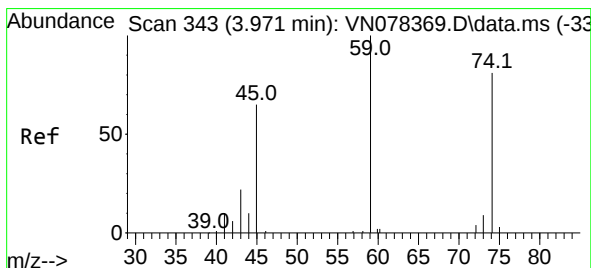
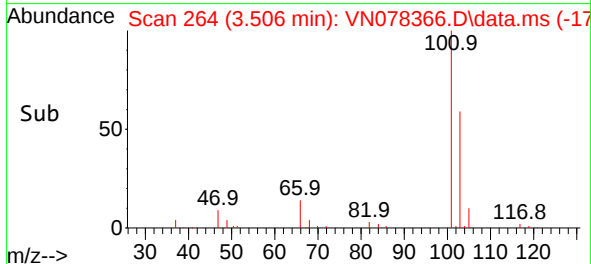
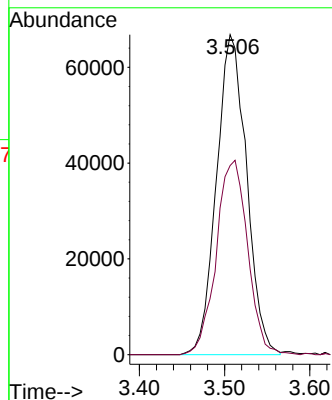
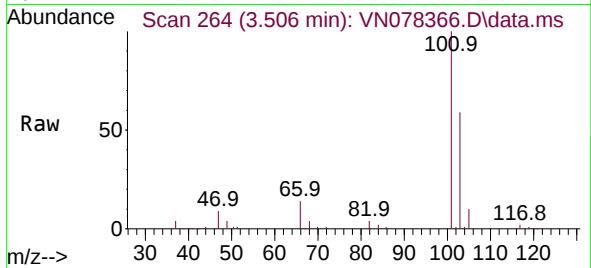




#7  
 Trichlorofluoromethane  
 Concen: 18.791 ug/l  
 RT: 3.506 min Scan# 264  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

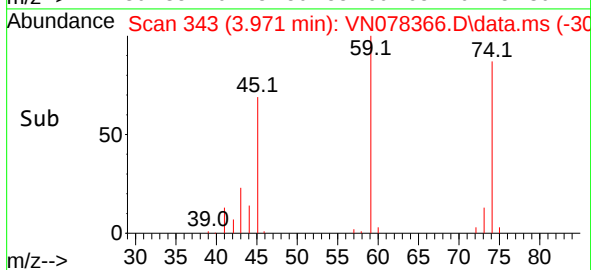
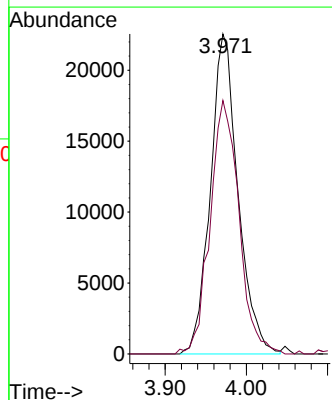
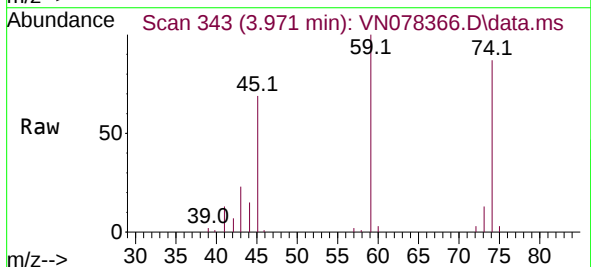
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

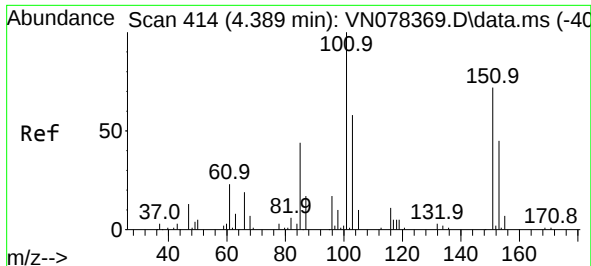
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 Ion Ratio Lower Upper  
 101 100  
 103 59.1 50.4 75.6



#8  
 Diethyl Ether  
 Concen: 18.345 ug/l  
 RT: 3.971 min Scan# 343  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

Tgt Ion: 74 Resp: 53386  
 Ion Ratio Lower Upper  
 74 100  
 45 82.3 16.3 146.5

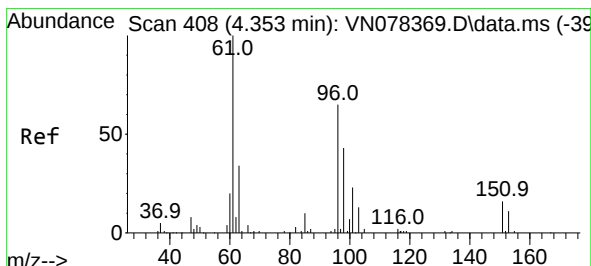
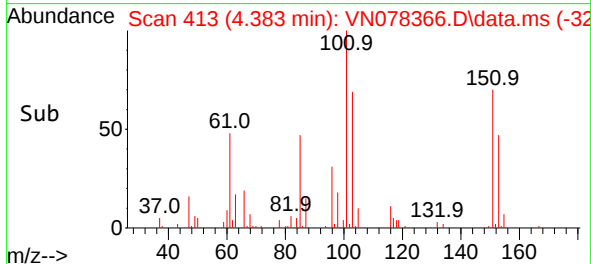
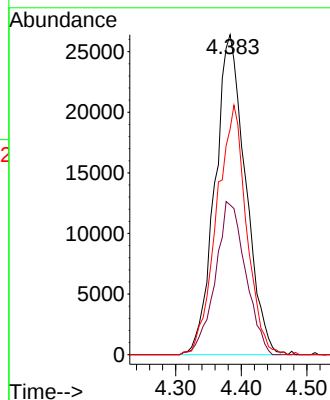
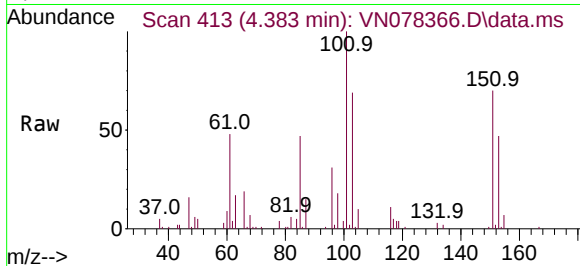




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.015 ug/l  
RT: 4.383 min Scan# 414  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

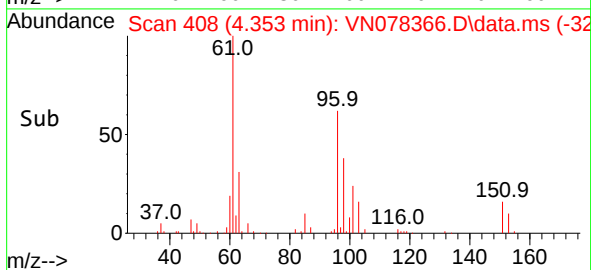
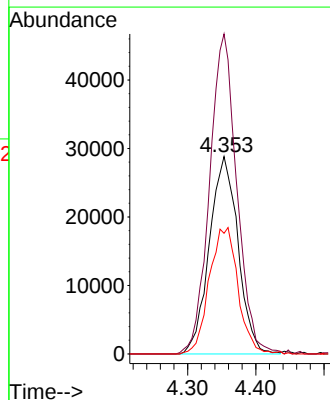
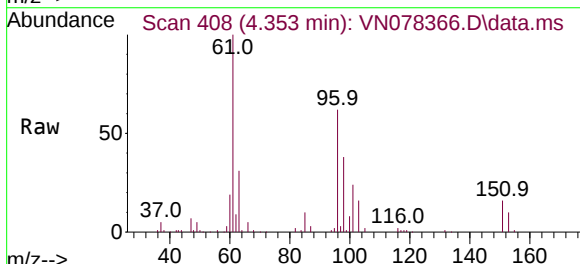
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

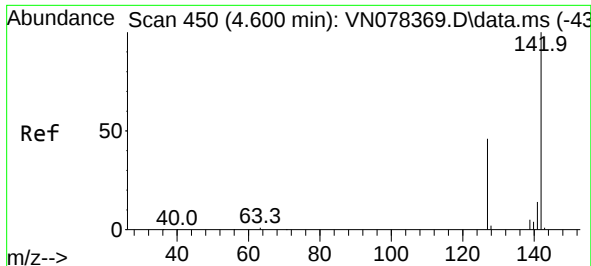
Tgt Ion:101 Resp: 85374  
Ion Ratio Lower Upper  
101 100  
85 47.5 0.0 89.2  
151 76.1 0.0 148.8



#10  
1,1-Dichloroethene  
Concen: 18.193 ug/l  
RT: 4.353 min Scan# 408  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 96 Resp: 84535  
Ion Ratio Lower Upper  
96 100  
61 161.3 123.4 185.2  
98 61.1 53.7 80.5

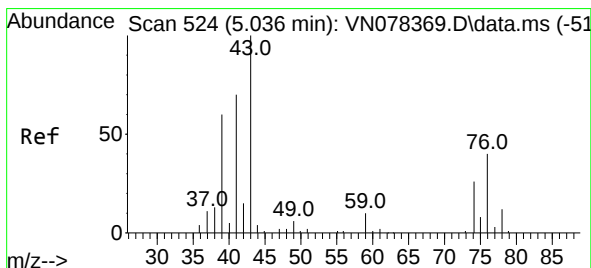
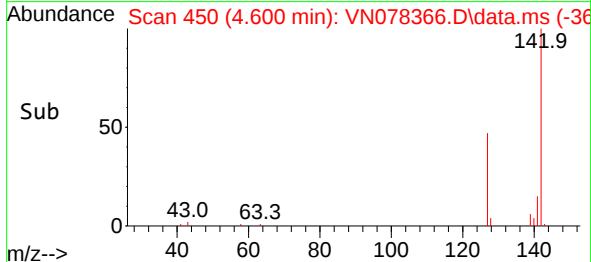
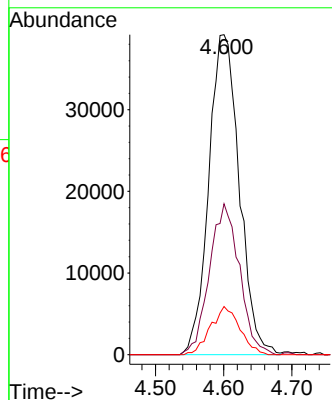
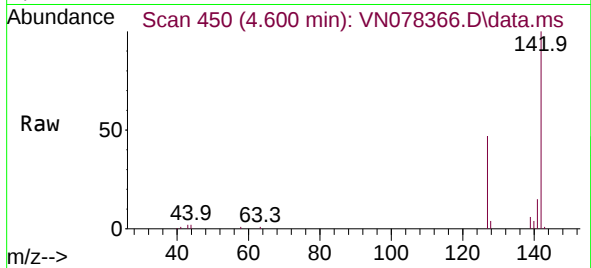




#11  
Methyl Iodide  
Concen: 18.551 ug/l  
RT: 4.600 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

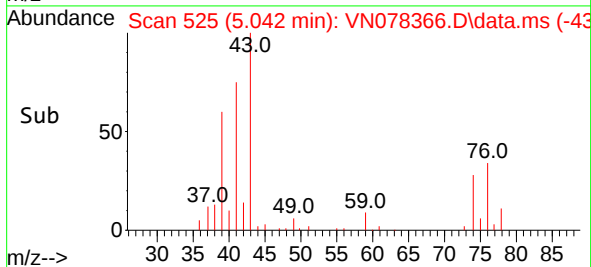
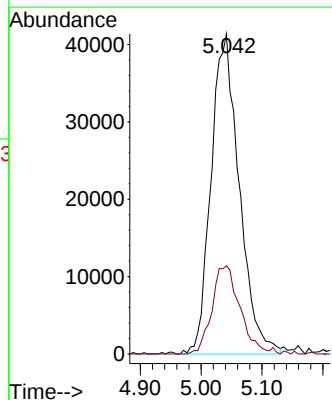
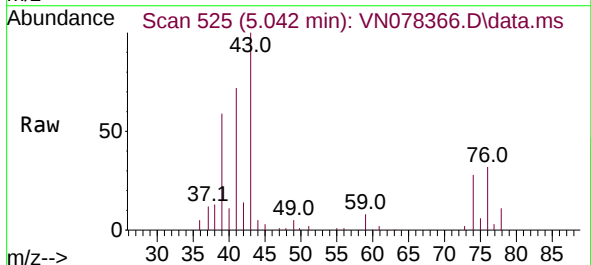
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

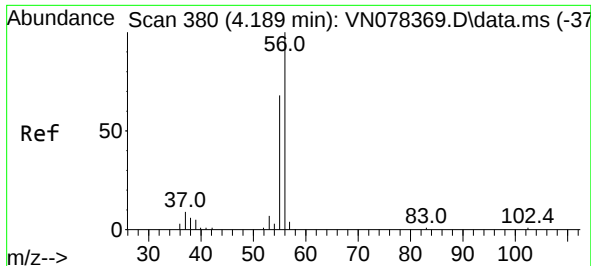
Tgt Ion:142 Resp: 122121  
Ion Ratio Lower Upper  
142 100  
127 47.3 23.2 69.5  
141 15.1 7.2 21.7



#12  
Methyl Acetate  
Concen: 18.446 ug/l  
RT: 5.042 min Scan# 525  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 43 Resp: 132932  
Ion Ratio Lower Upper  
43 100  
74 27.8 20.5 30.7





#13

Acrolein

Concen: 91.397 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

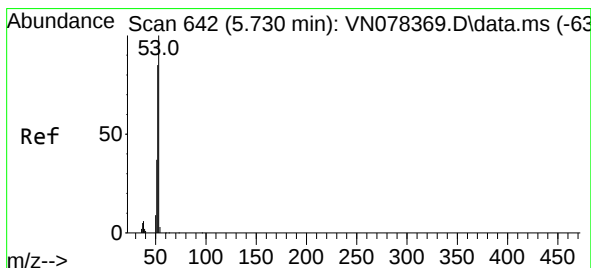
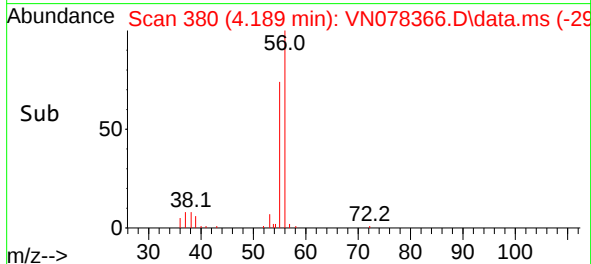
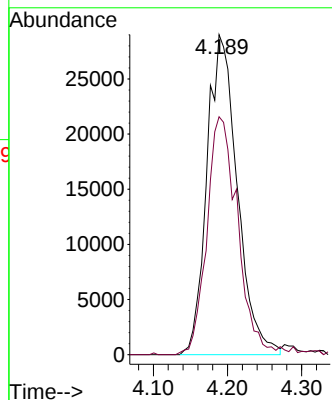
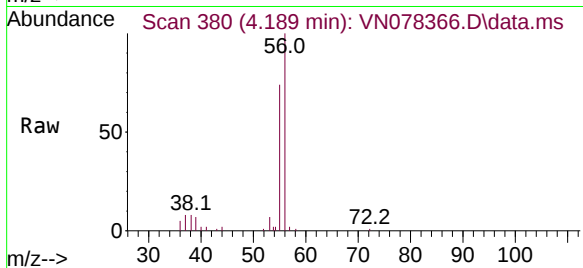
VSTDICC020

Tgt Ion: 56 Resp: 82499

Ion Ratio Lower Upper

56 100

55 74.6 59.0 88.4



#14

Acrylonitrile

Concen: 90.959 ug/l

RT: 5.736 min Scan# 643

Delta R.T. 0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

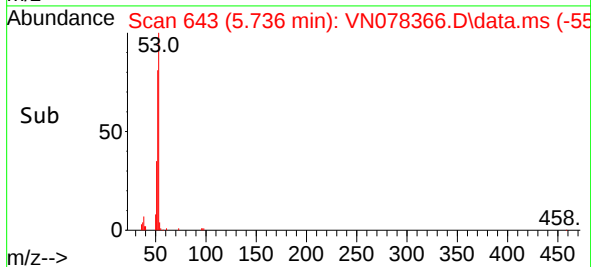
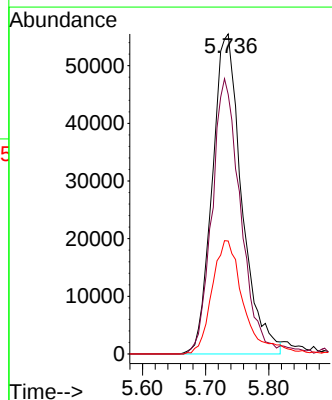
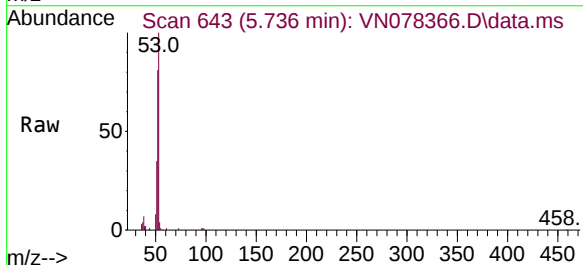
Tgt Ion: 53 Resp: 179976

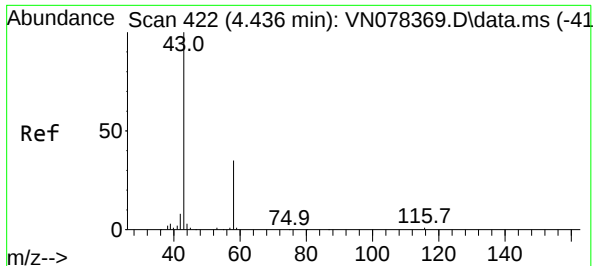
Ion Ratio Lower Upper

53 100

52 82.7 42.3 126.9

51 37.6 18.4 55.4





#15

Acetone

Concen: 96.698 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

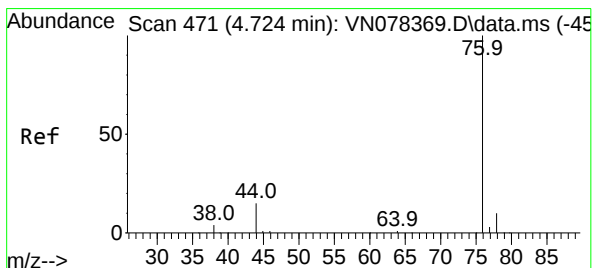
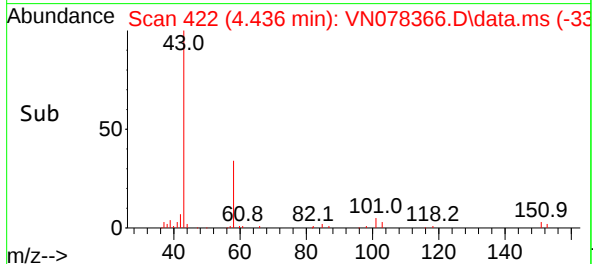
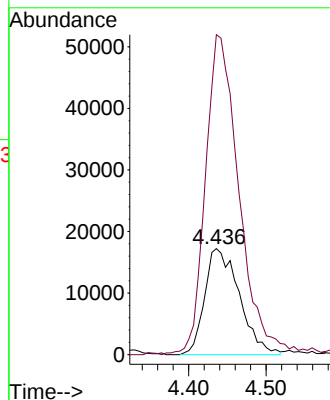
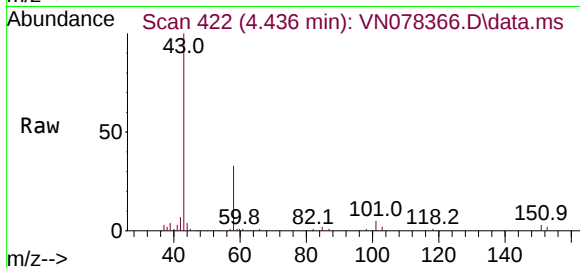
VSTDIC020

Tgt Ion: 58 Resp: 53582

Ion Ratio Lower Upper

58 100

43 298.4 227.5 341.3



#16

Carbon Disulfide

Concen: 17.516 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.000 min

Lab File: VN078366.D

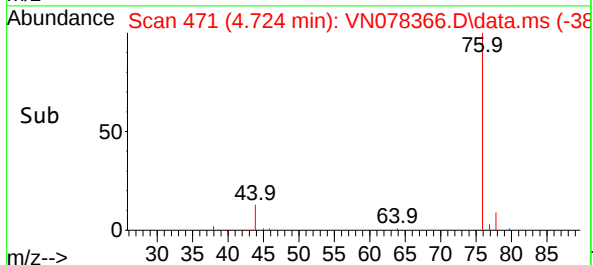
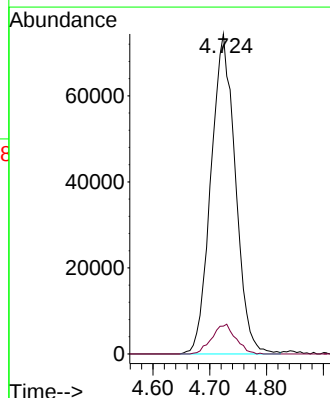
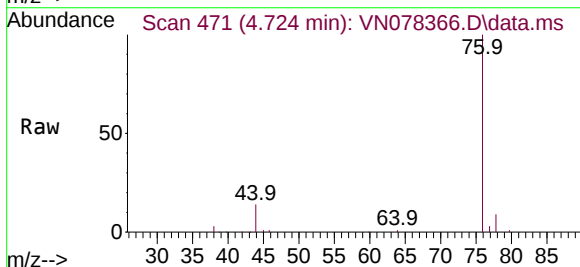
Acq: 23 Jun 2023 09:58

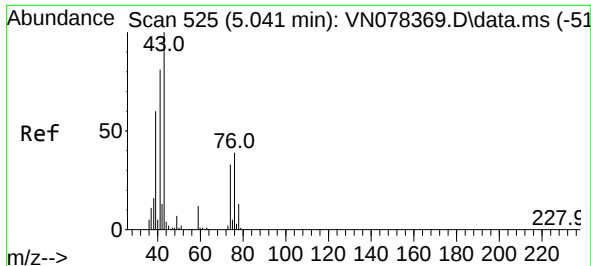
Tgt Ion: 76 Resp: 222409

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5





#17

Allyl chloride

Concen: 18.131 ug/l

RT: 5.036 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

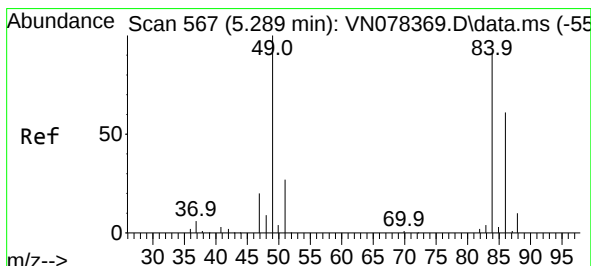
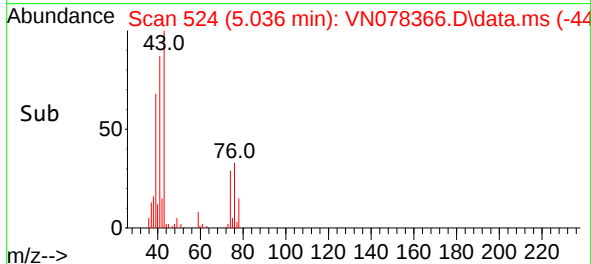
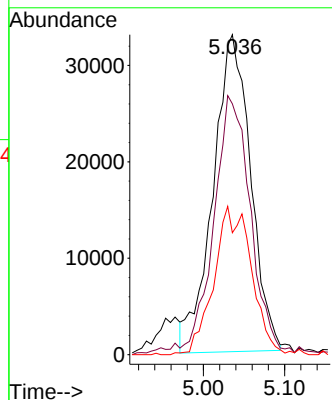
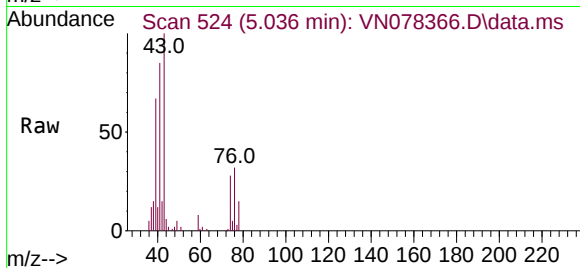
Tgt Ion: 41 Resp: 105884

Ion Ratio Lower Upper

41 100

39 78.8 37.6 112.8

76 38.7 23.8 71.4



#18

Methylene Chloride

Concen: 18.409 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Tgt Ion: 84 Resp: 101359

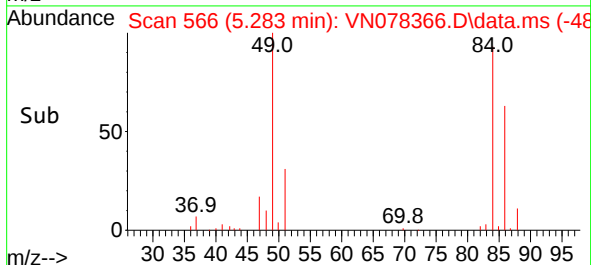
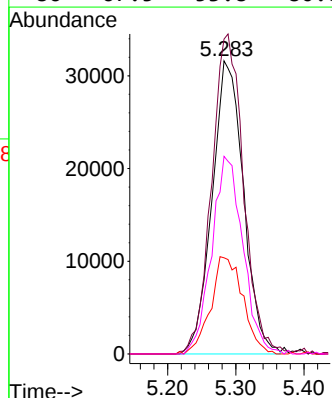
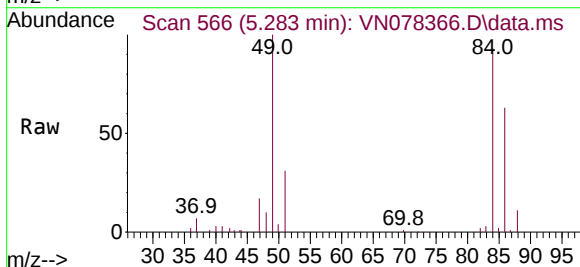
Ion Ratio Lower Upper

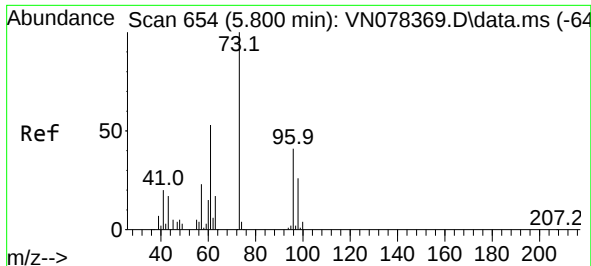
84 100

49 106.6 88.1 132.1

51 32.8 24.0 36.0

86 67.5 53.8 80.8

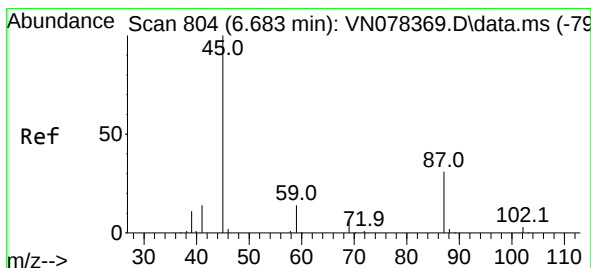
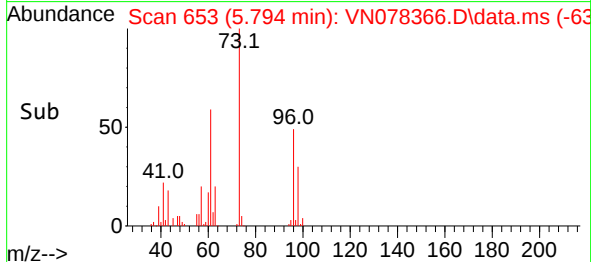
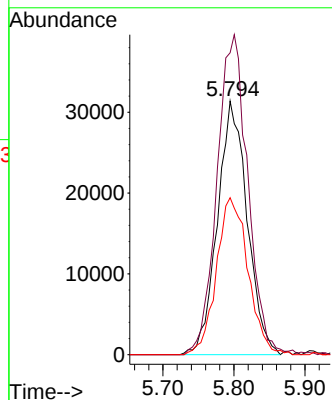
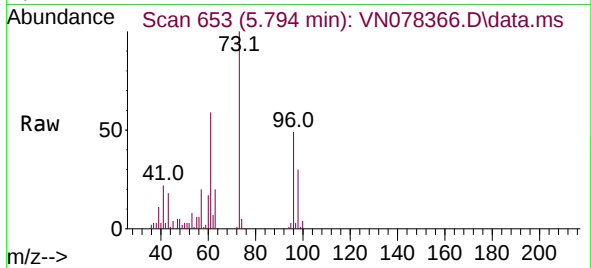




#19  
trans-1,2-Dichloroethene  
Concen: 17.813 ug/l  
RT: 5.794 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

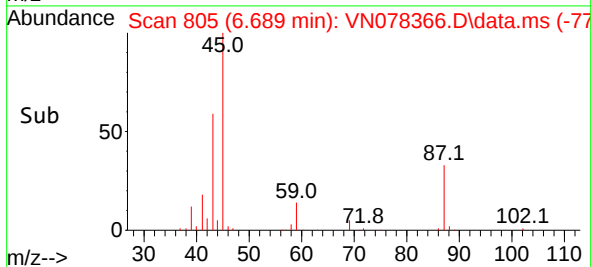
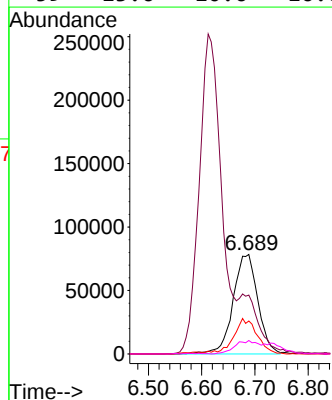
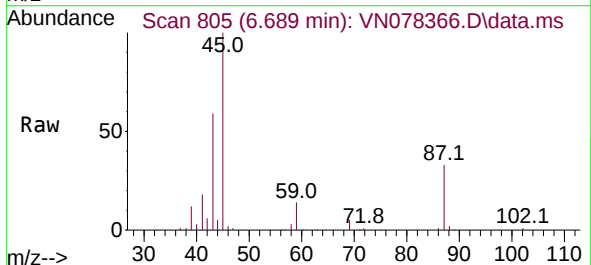
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MSVOA\_N  
ClientSampleId :  
VSTDIC020

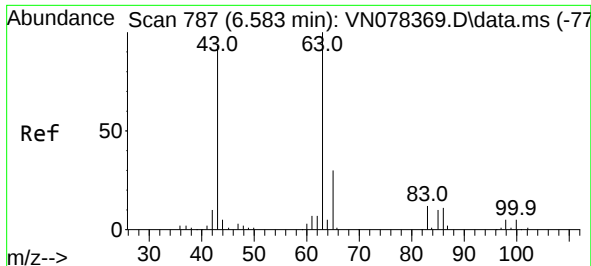
Tgt Ion: 96 Resp: 91345  
Ion Ratio Lower Upper  
96 100  
61 119.0 105.2 157.8  
98 61.9 50.5 75.7



#20  
Diisopropyl ether  
Concen: 18.067 ug/l  
RT: 6.689 min Scan# 805  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 45 Resp: 252935  
Ion Ratio Lower Upper  
45 100  
43 57.1 43.6 65.4  
87 32.3 25.8 38.6  
59 13.6 10.6 16.0





#21

1,1-Dichloroethane

Concen: 18.163 ug/l

RT: 6.577 min Scan# 786

Delta R.T. -0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

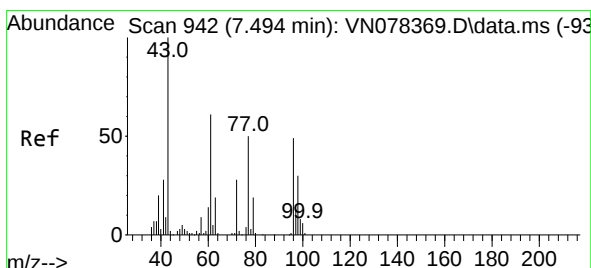
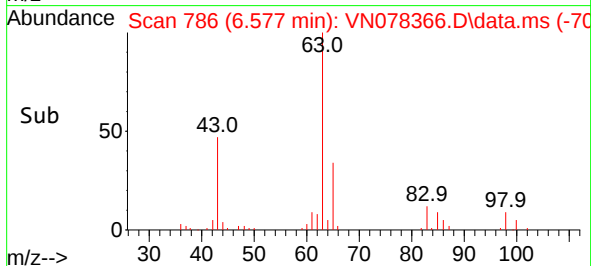
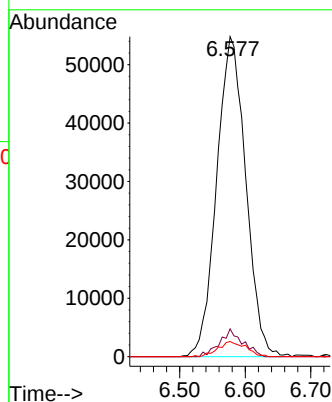
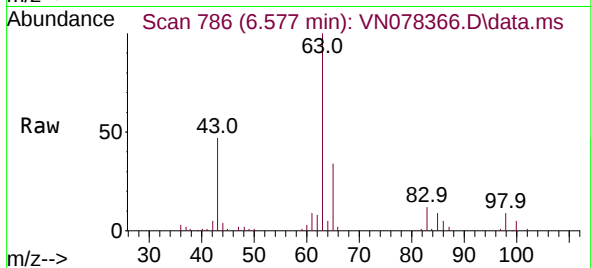
Tgt Ion: 63 Resp: 168663

Ion Ratio Lower Upper

63 100

98 8.7 2.7 8.1#

100 4.7 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 17.970 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

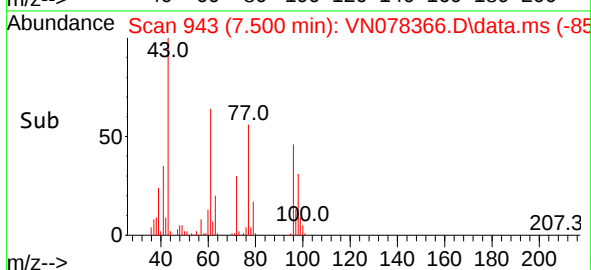
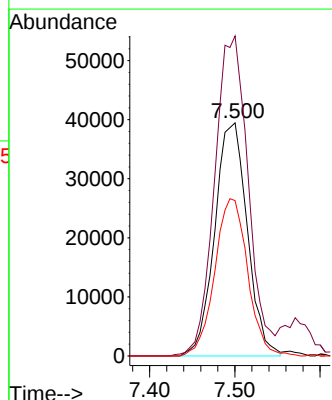
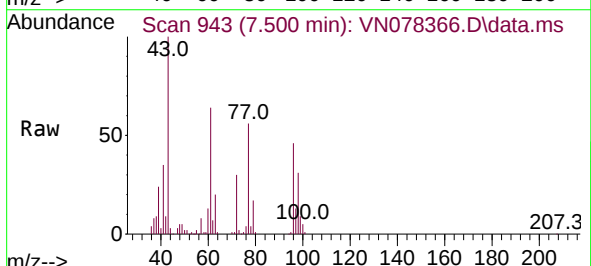
Tgt Ion: 96 Resp: 104831

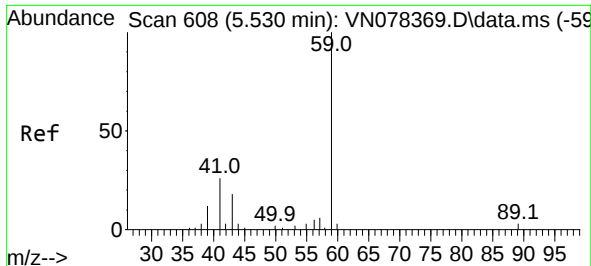
Ion Ratio Lower Upper

96 100

61 141.7 113.8 170.6

98 68.1 52.2 78.4

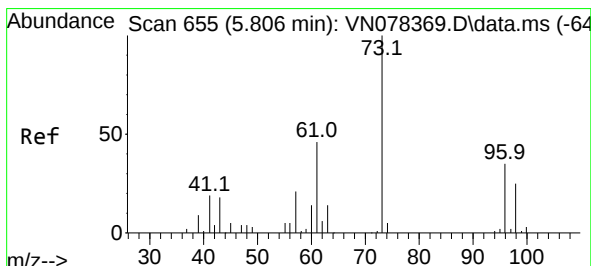
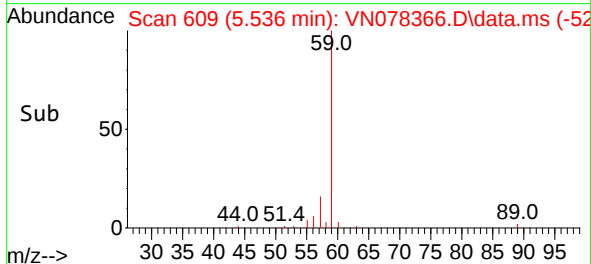
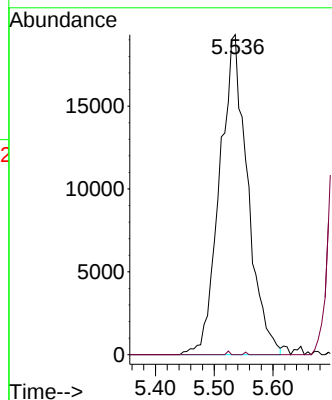
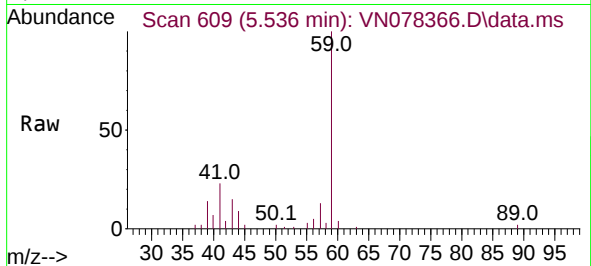




#23  
tert-Butyl Alcohol  
Concen: 87.508 ug/l  
RT: 5.536 min Scan# 608  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

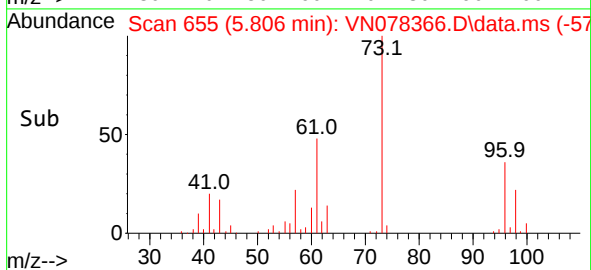
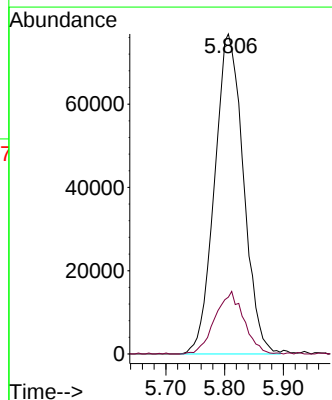
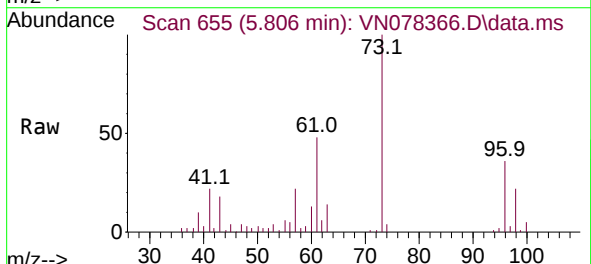
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

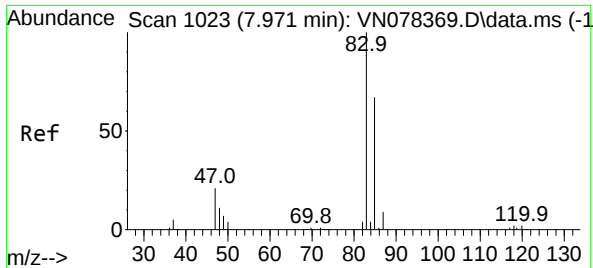
Tgt Ion: 59 Resp: 63658  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.1 0.1#



#24  
Methyl tert-Butyl Ether  
Concen: 17.896 ug/l  
RT: 5.806 min Scan# 655  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 73 Resp: 262201  
Ion Ratio Lower Upper  
73 100  
43 19.4 14.5 21.7

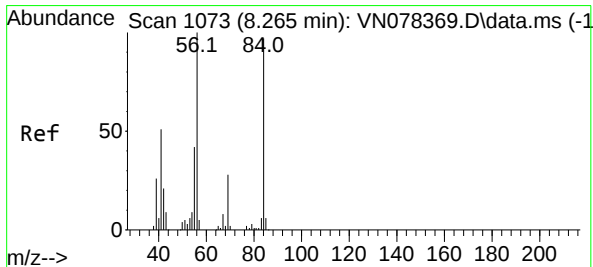
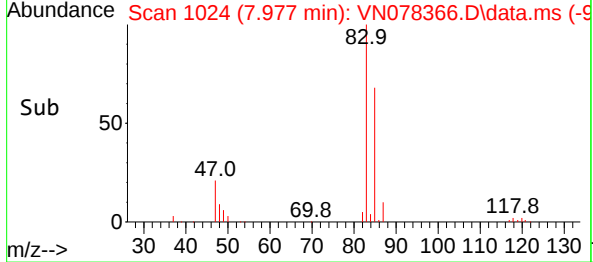
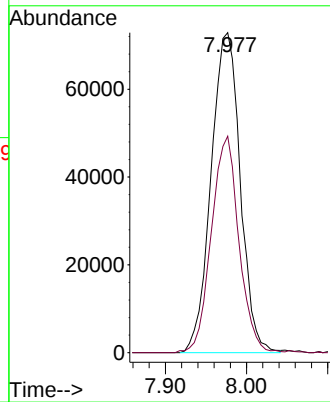
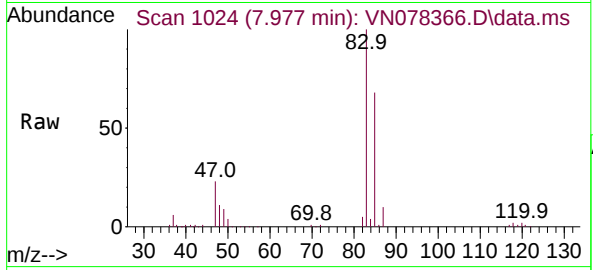




#25  
Chloroform  
Concen: 18.540 ug/l  
RT: 7.977 min Scan# 1024  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

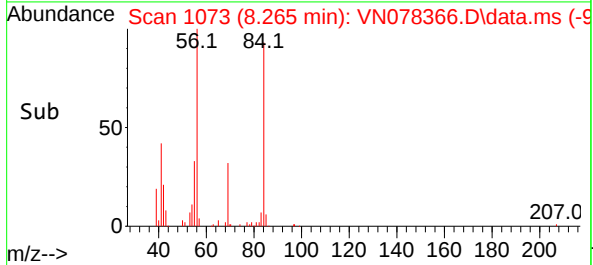
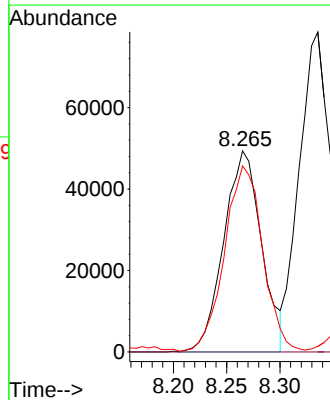
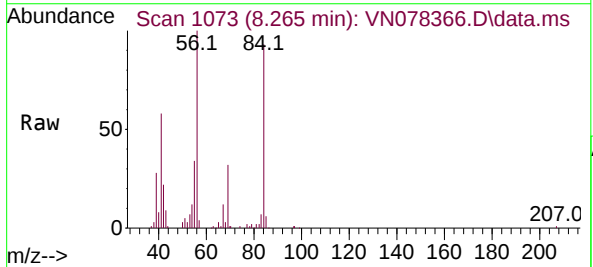
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

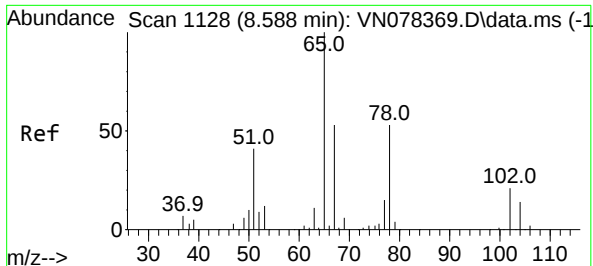
Tgt Ion: 83 Resp: 181938  
Ion Ratio Lower Upper  
83 100  
85 67.3 53.4 80.0



#26  
Cyclohexane  
Concen: 18.340 ug/l  
RT: 8.265 min Scan# 1073  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 56 Resp: 121887  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 92.6 74.2 111.4

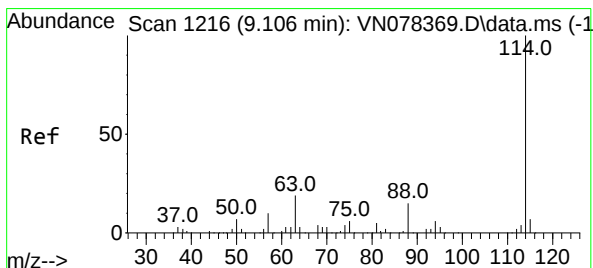
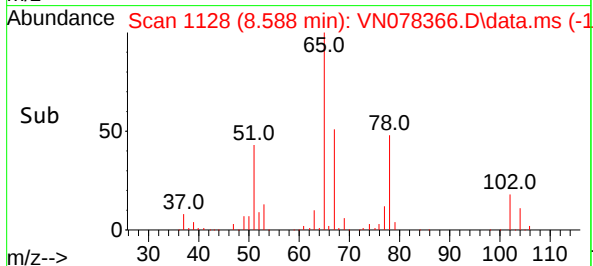
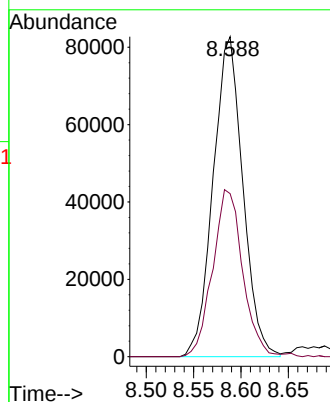
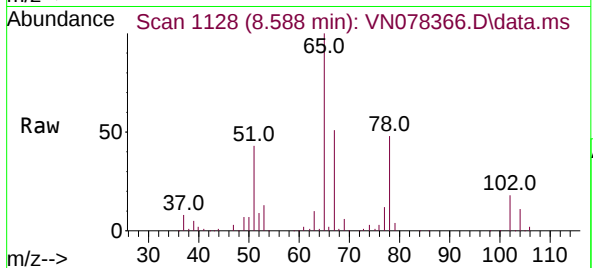




#27  
1,2-Dichloroethane-d4  
Concen: 29.043 ug/l  
RT: 8.588 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

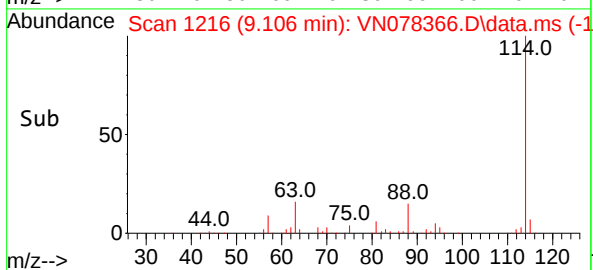
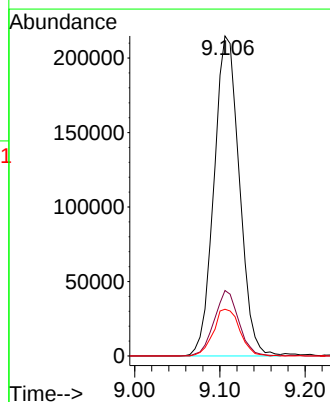
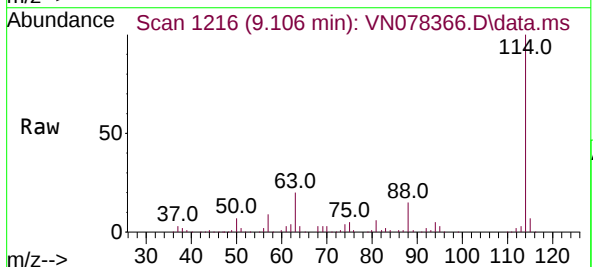
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

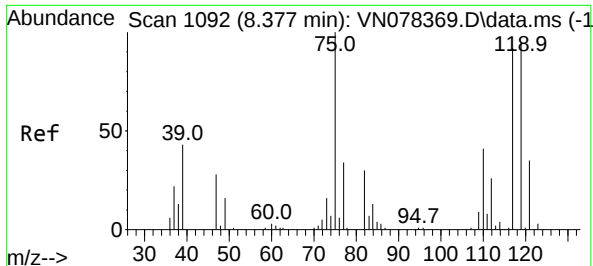
Tgt Ion: 65 Resp: 180296  
Ion Ratio Lower Upper  
65 100  
67 52.7 42.9 64.3



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 114 Resp: 443939  
Ion Ratio Lower Upper  
114 100  
63 19.7 15.2 22.8  
88 15.2 12.5 18.7





#29

1,1-Dichloropropene

Concen: 19.046 ug/l

RT: 8.383 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

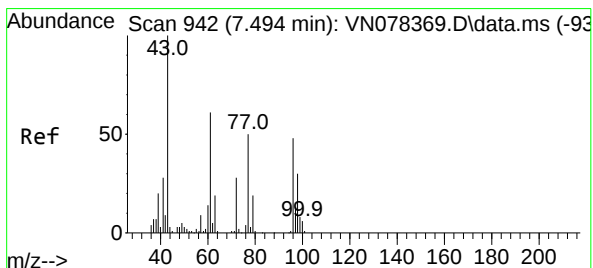
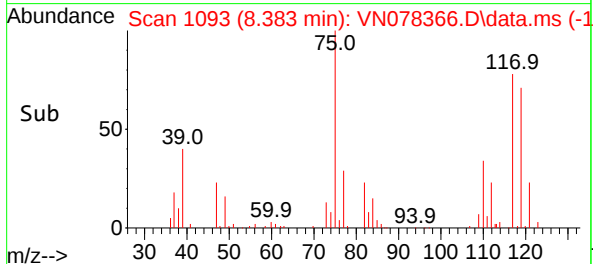
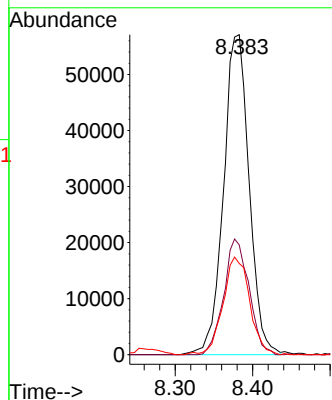
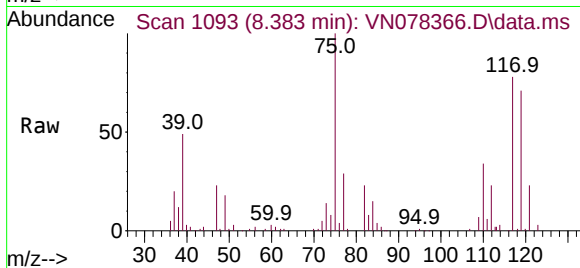
Tgt Ion: 75 Resp: 131075

Ion Ratio Lower Upper

75 100

110 35.7 0.0 72.2

77 31.5 0.0 62.8



#30

2-Butanone

Concen: 93.898 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

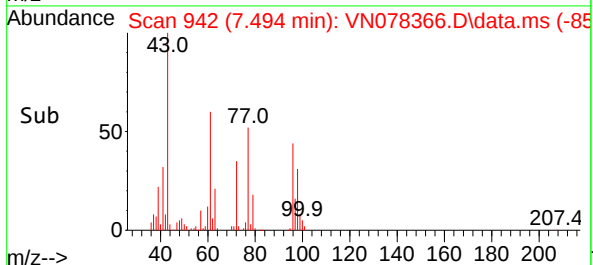
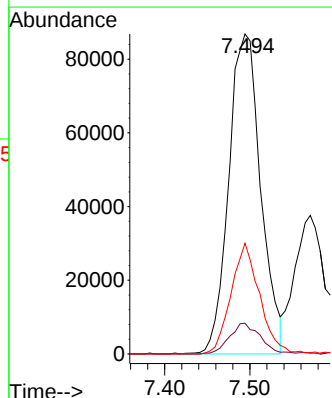
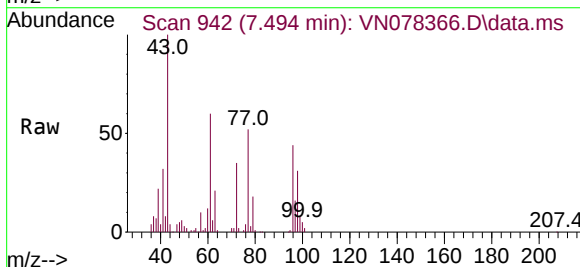
Tgt Ion: 43 Resp: 226498

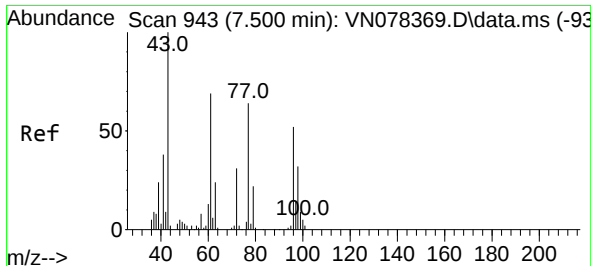
Ion Ratio Lower Upper

43 100

57 9.1 6.8 10.2

72 30.8 23.8 35.6





#31

2,2-Dichloropropane

Concen: 19.058 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

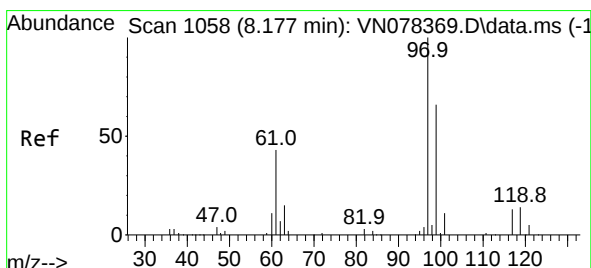
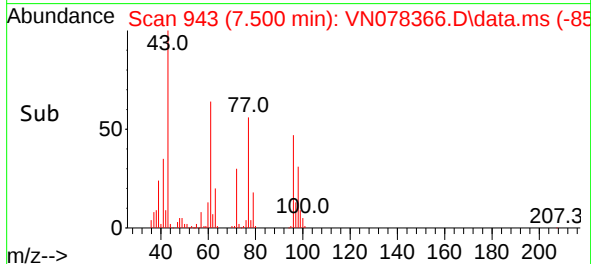
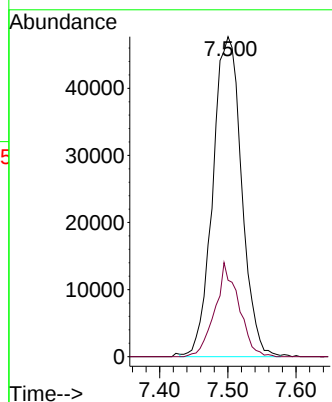
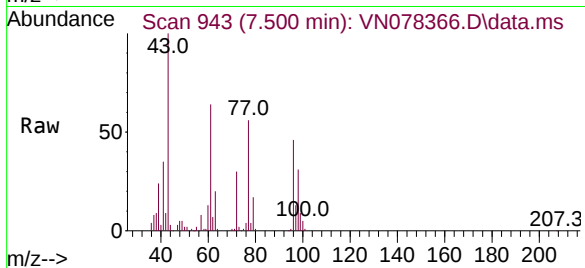
VSTDICC020

Tgt Ion: 77 Resp: 140230

Ion Ratio Lower Upper

77 100

97 24.2 18.8 28.2



#32

1,1,1-Trichloroethane

Concen: 19.177 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

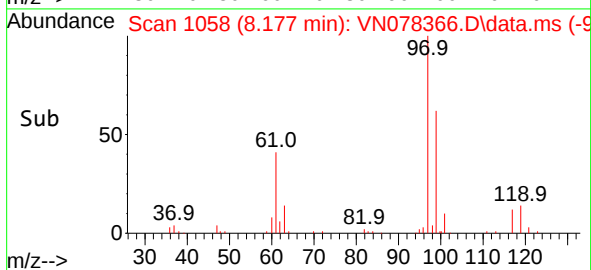
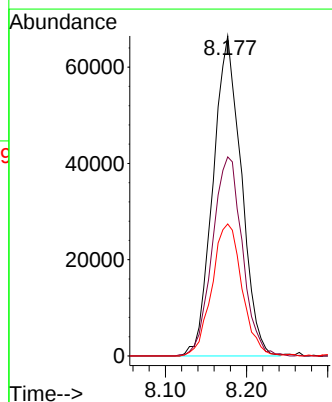
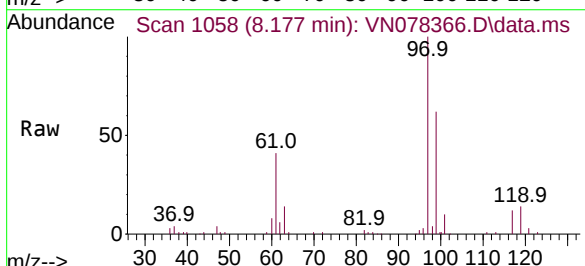
Tgt Ion: 97 Resp: 160806

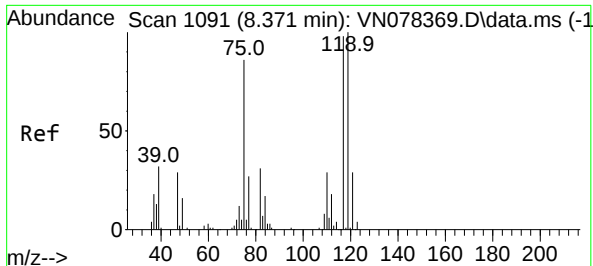
Ion Ratio Lower Upper

97 100

99 65.9 51.3 76.9

61 43.8 34.6 52.0

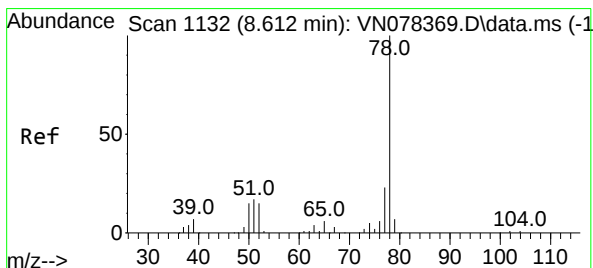
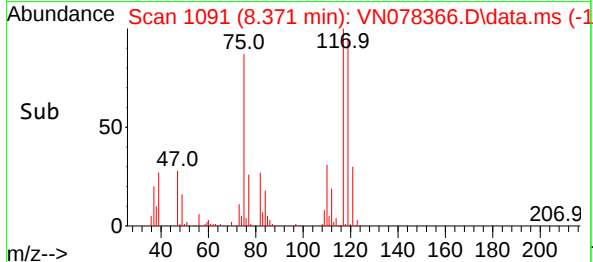
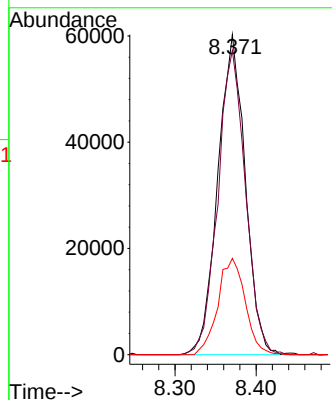
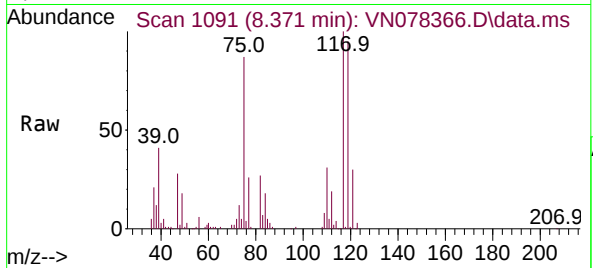




#33  
Carbon Tetrachloride  
Concen: 19.289 ug/l  
RT: 8.371 min Scan# 1109  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

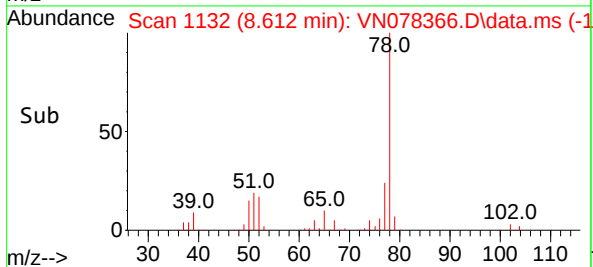
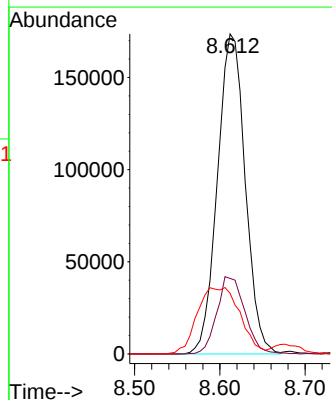
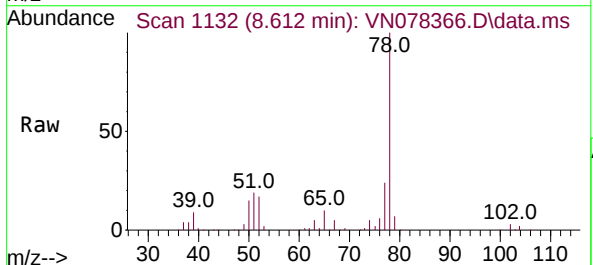
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

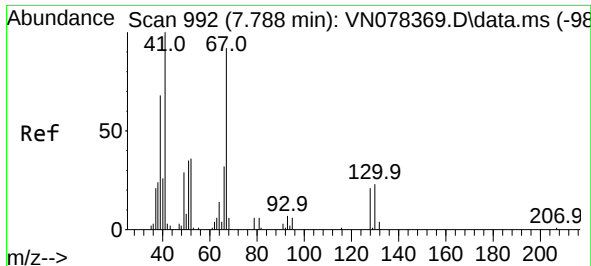
Tgt Ion:117 Resp: 141026  
Ion Ratio Lower Upper  
117 100  
119 95.0 81.4 122.0  
121 30.1 23.6 35.4



#34  
Benzene  
Concen: 19.178 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 78 Resp: 393564  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.3 27.5  
51 17.1 13.7 20.5

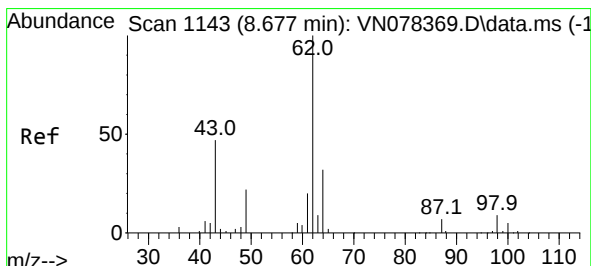
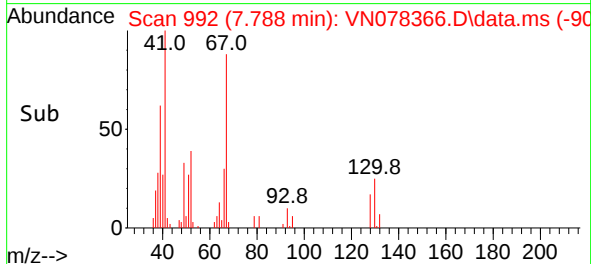
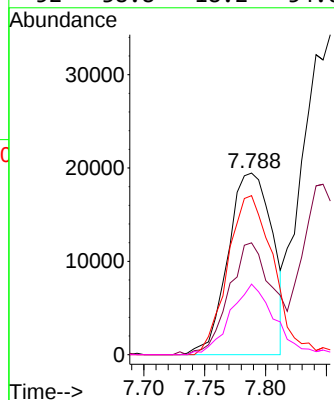
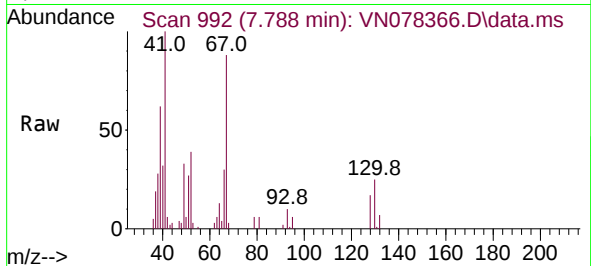




#35  
Methacrylonitrile  
Concen: 17.796 ug/l  
RT: 7.788 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

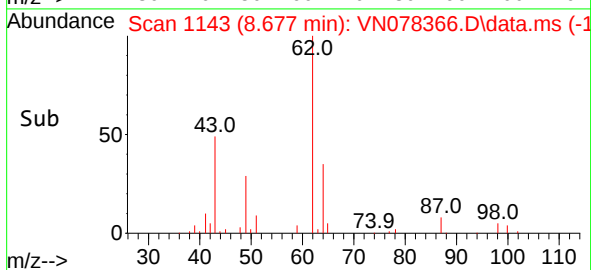
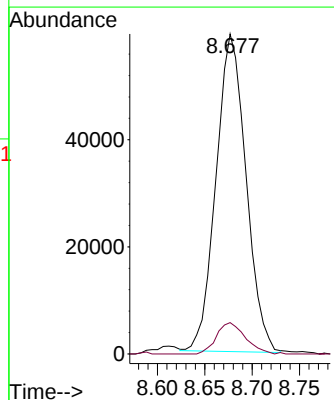
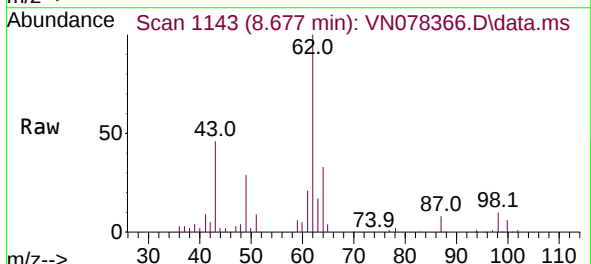
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

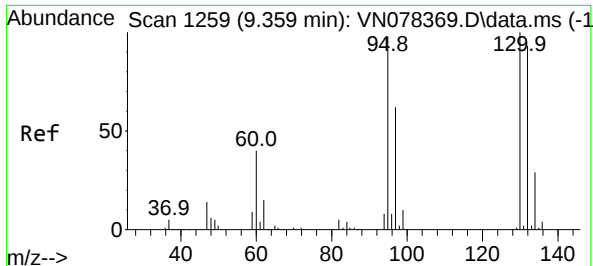
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 49262 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 60.0  | 33.9  | 101.6 |
| 67        | 87.6  | 45.9  | 137.6 |
| 52        | 38.8  | 18.2  | 54.6  |



#36  
1,2-Dichloroethane  
Concen: 18.666 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 62    | Resp: | 130600 |
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 9.5   | 7.4   | 11.0   |

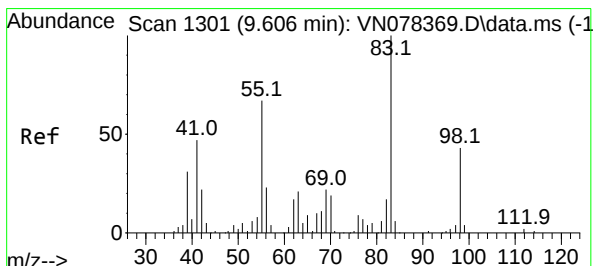
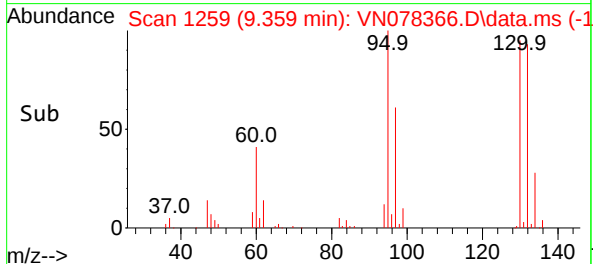
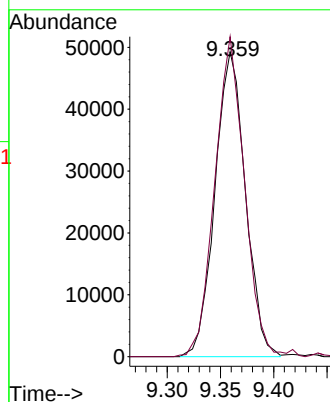
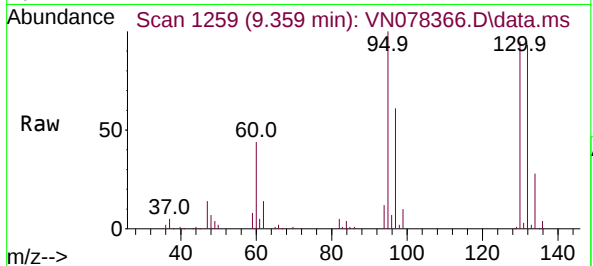




#37  
Trichloroethene  
Concen: 18.651 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

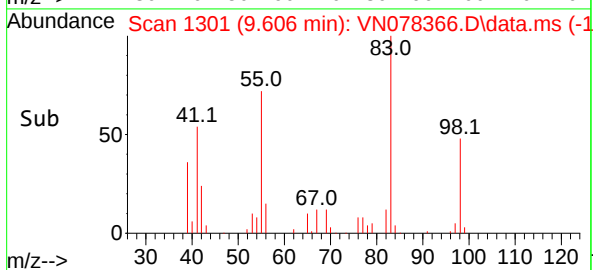
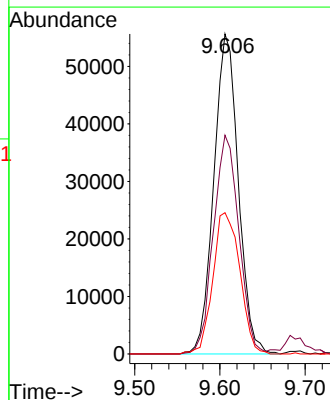
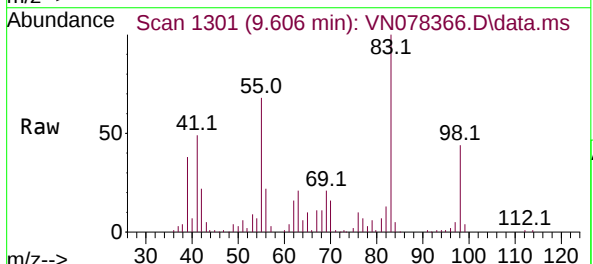
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

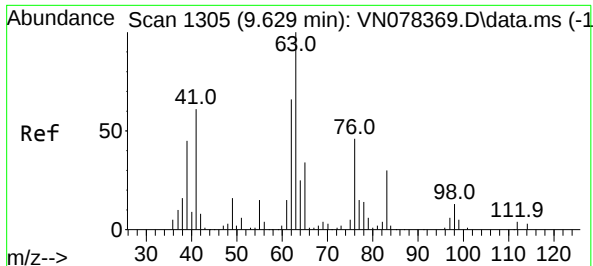
Tgt Ion:130 Resp: 97794  
Ion Ratio Lower Upper  
130 100  
95 104.4 78.2 117.4



#38  
Methylcyclohexane  
Concen: 18.394 ug/l  
RT: 9.606 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 83 Resp: 111216  
Ion Ratio Lower Upper  
83 100  
55 70.9 34.0 102.0  
98 48.6 23.0 69.0





#39

1,2-Dichloropropane

Concen: 19.162 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

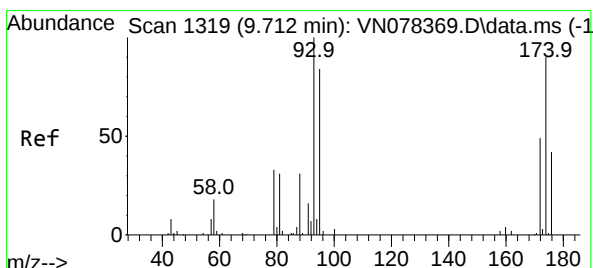
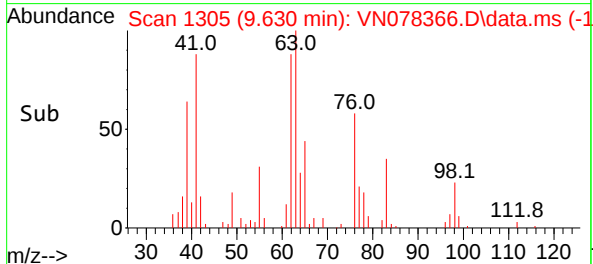
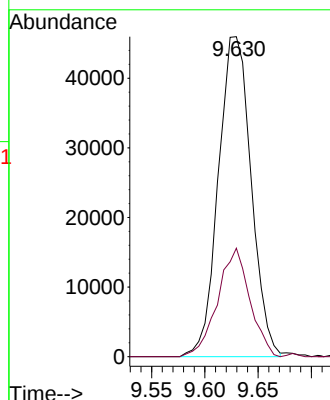
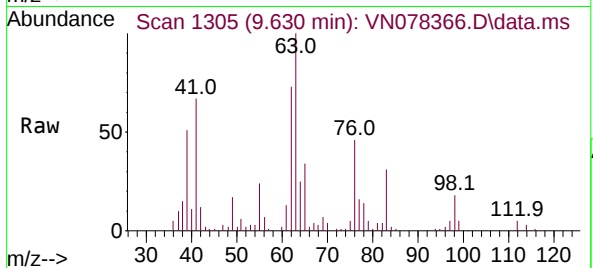
VSTDIC020

Tgt Ion: 63 Resp: 98506

Ion Ratio Lower Upper

63 100

65 33.9 27.4 41.2



#40

Dibromomethane

Concen: 18.746 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

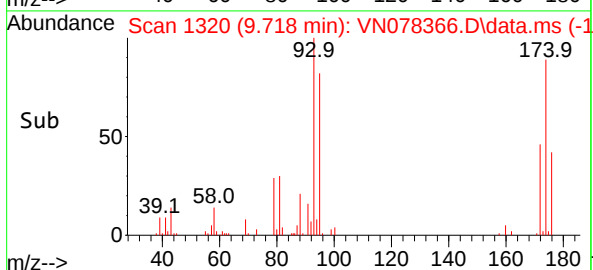
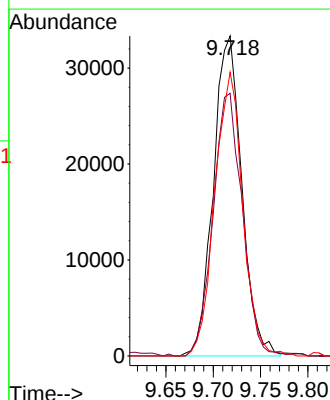
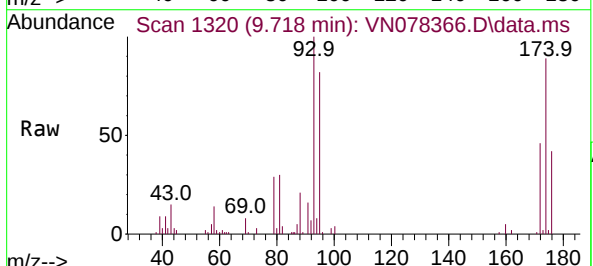
Tgt Ion: 93 Resp: 69539

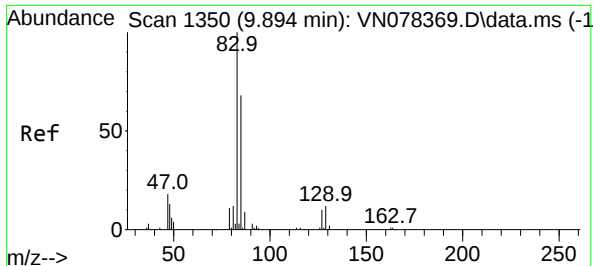
Ion Ratio Lower Upper

93 100

95 84.3 0.0 167.8

174 86.9 0.0 180.8

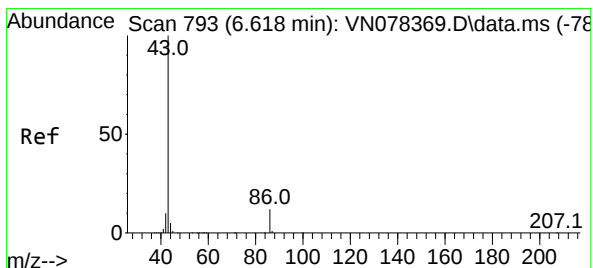
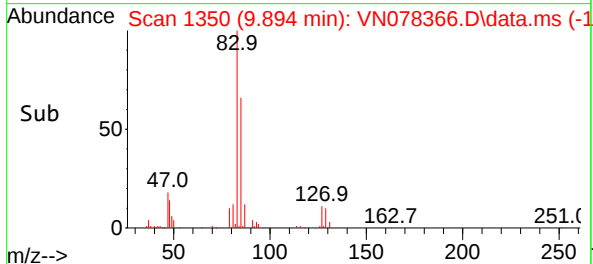
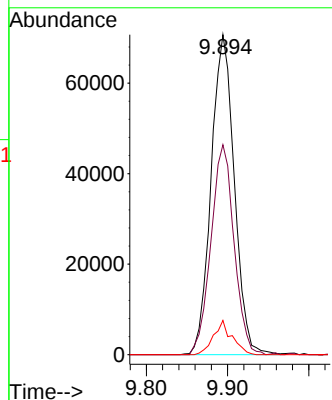
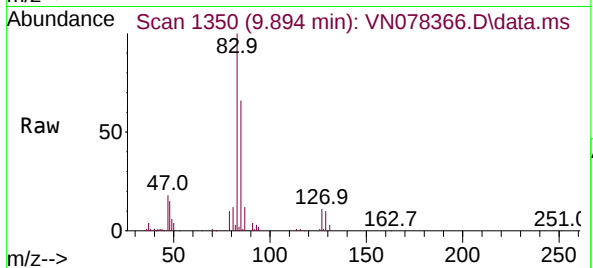




#41  
Bromodichloromethane  
Concen: 19.464 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

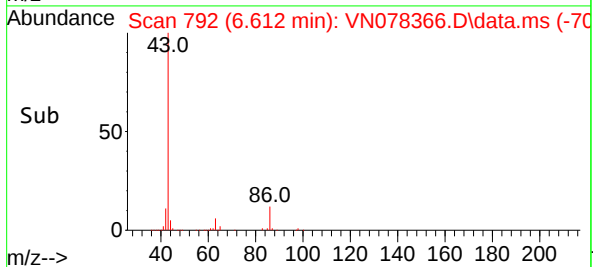
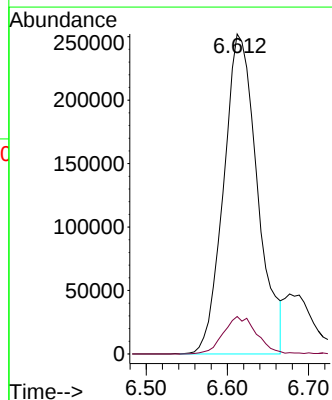
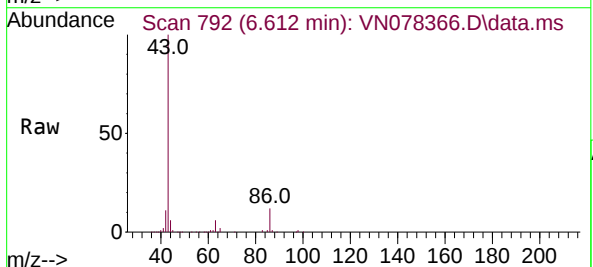
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

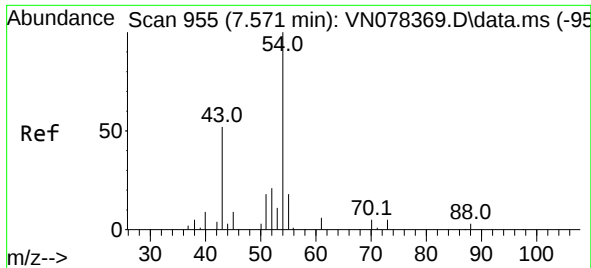
Tgt Ion: 83 Resp: 140270  
Ion Ratio Lower Upper  
83 100  
85 65.6 54.1 81.1  
127 10.7 7.8 11.6



#42  
Vinyl Acetate  
Concen: 94.980 ug/l  
RT: 6.612 min Scan# 792  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 43 Resp: 729840  
Ion Ratio Lower Upper  
43 100  
86 11.5 9.4 14.0

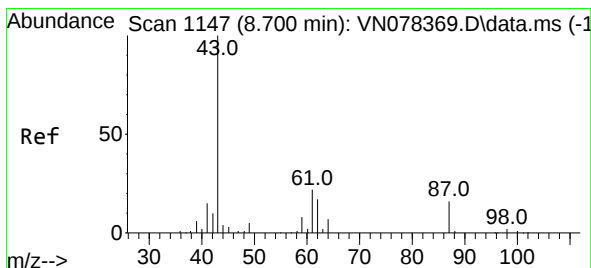
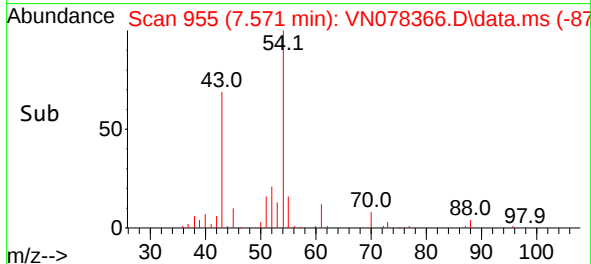
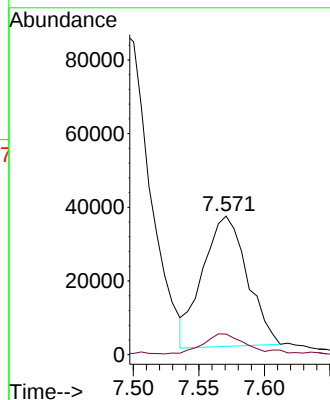
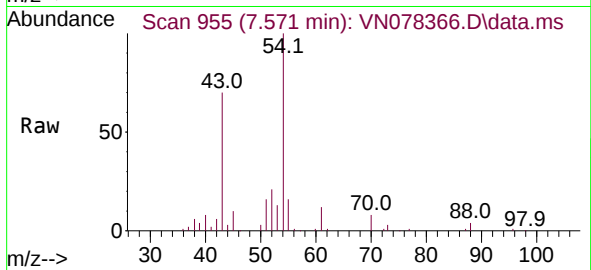




#43  
Ethyl Acetate  
Concen: 16.885 ug/l  
RT: 7.571 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

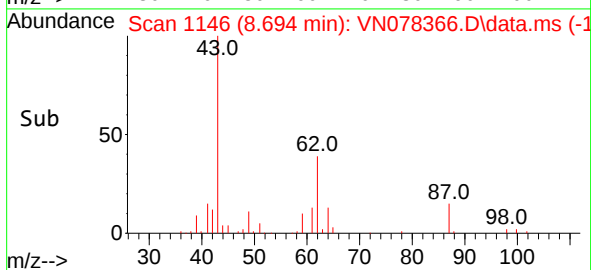
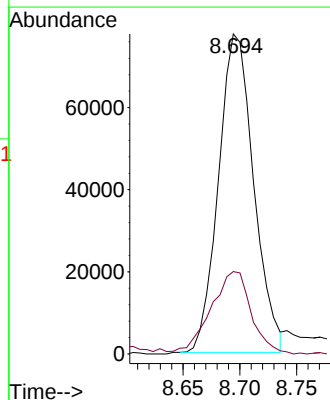
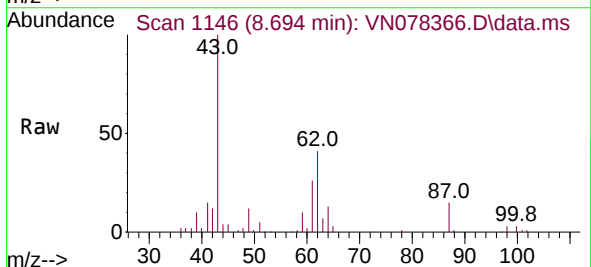
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

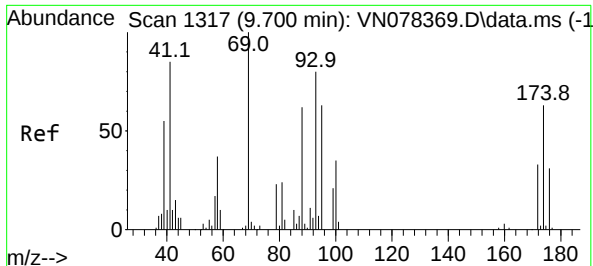
Tgt Ion: 43 Resp: 83543  
Ion Ratio Lower Upper  
43 100  
45 14.9 10.9 16.3



#44  
Isopropyl Acetate  
Concen: 18.238 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 43 Resp: 167308  
Ion Ratio Lower Upper  
43 100  
61 29.7 23.0 34.6





#45

1,4-Dioxane

Concen: 392.371 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

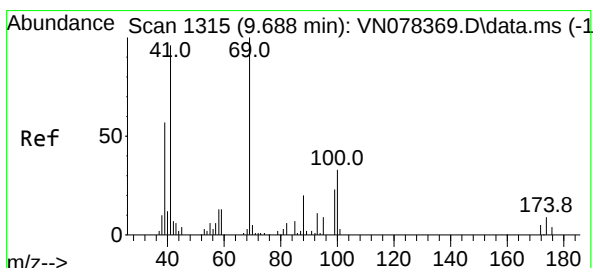
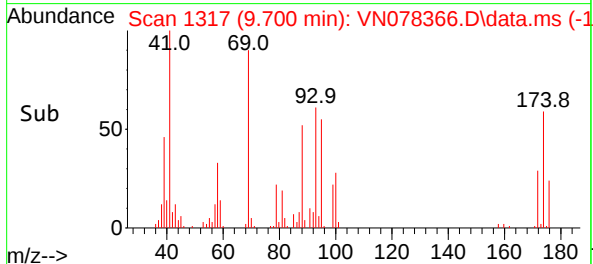
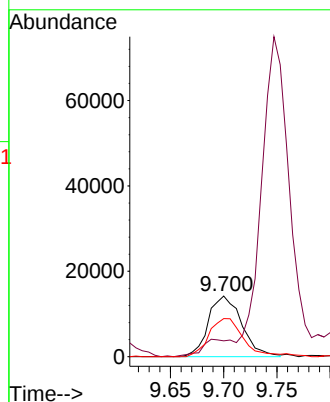
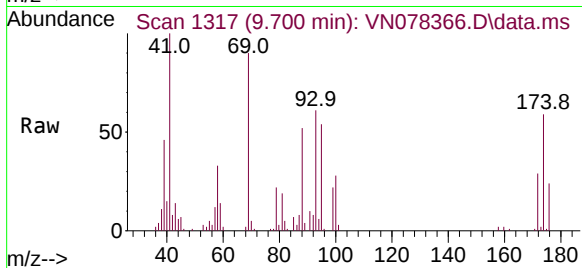
Tgt Ion: 88 Resp: 31005

Ion Ratio Lower Upper

88 100

43 19.5 19.0 28.6

58 63.7 48.2 72.2



#46

Methyl methacrylate

Concen: 19.996 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

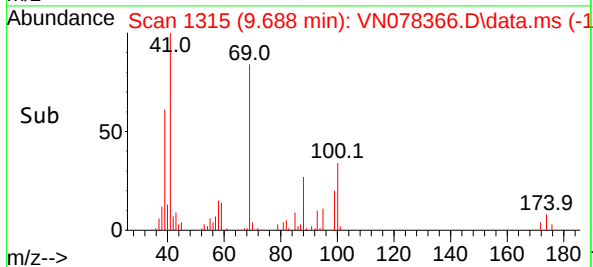
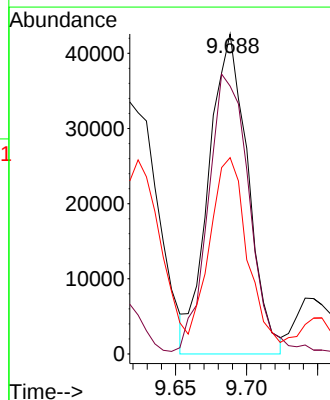
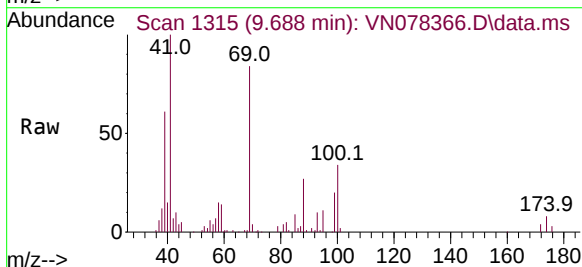
Tgt Ion: 41 Resp: 81655

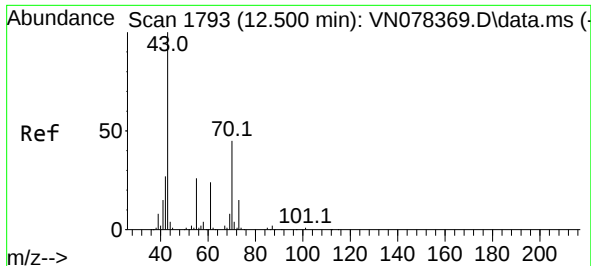
Ion Ratio Lower Upper

41 100

69 86.1 49.0 147.0

39 60.8 31.6 94.8

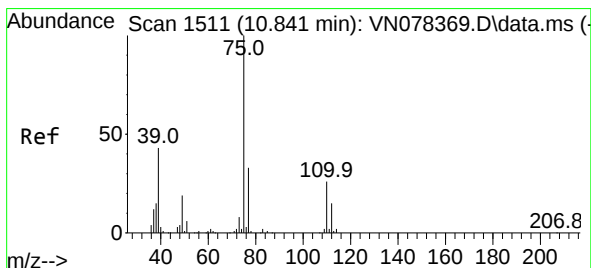
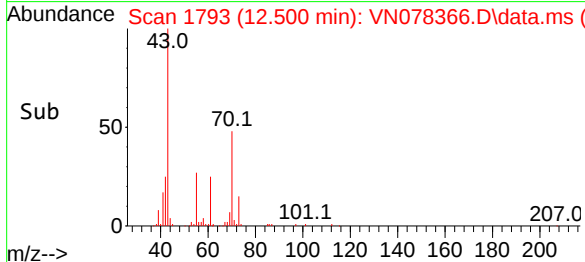
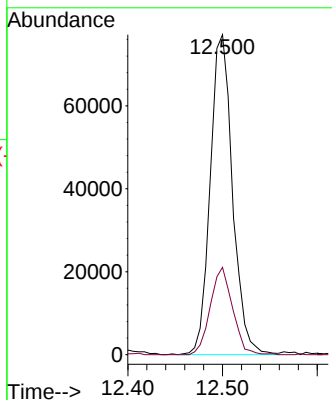
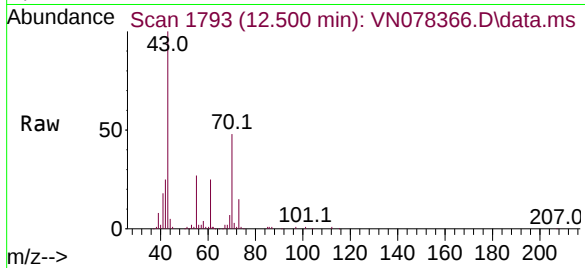




#47  
n-amy1 Acetate  
Concen: 18.708 ug/l  
RT: 12.500 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

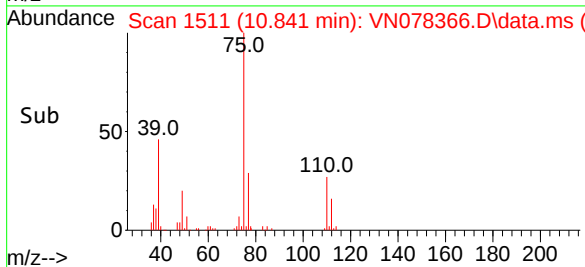
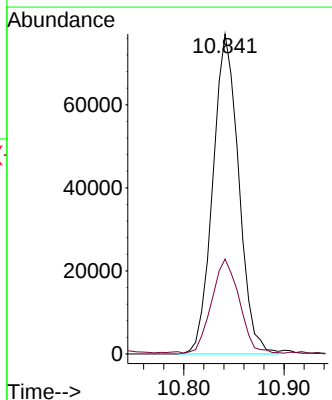
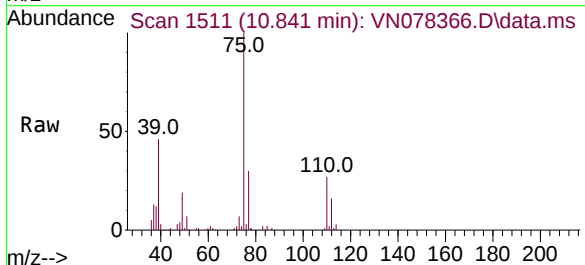
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

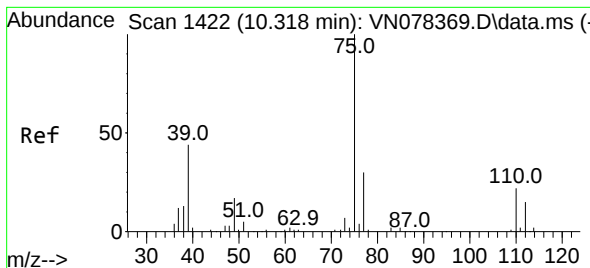
Tgt Ion: 43 Resp: 126156  
Ion Ratio Lower Upper  
43 100  
55 27.1 21.5 32.3



#48  
t-1,3-Dichloropropene  
Concen: 18.668 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 75 Resp: 138096  
Ion Ratio Lower Upper  
75 100  
77 29.2 26.1 39.1

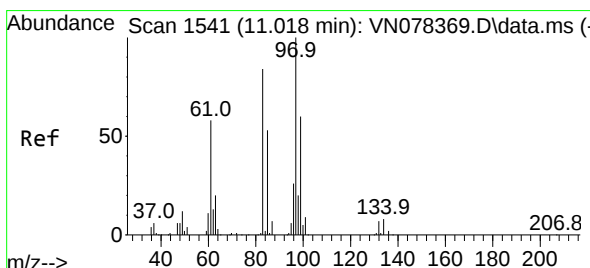
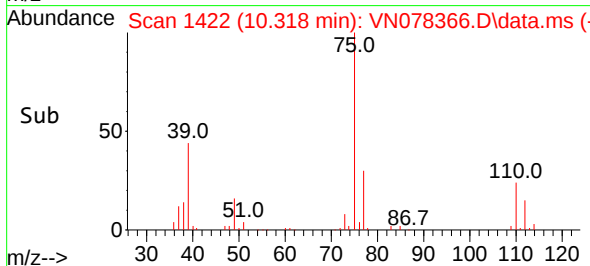
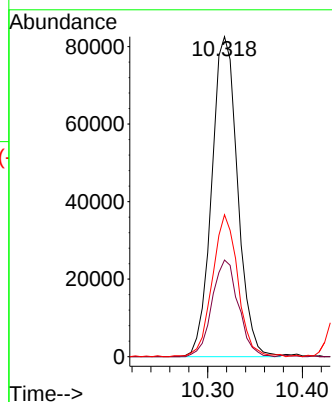
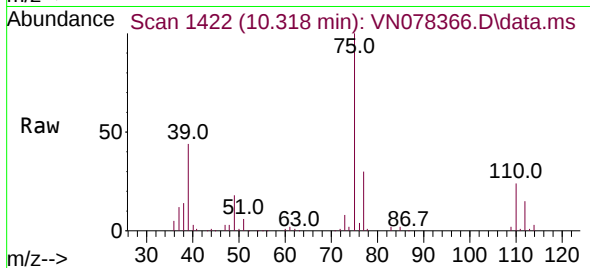




#49  
 cis-1,3-Dichloropropene  
 Concen: 19.256 ug/l  
 RT: 10.318 min Scan# 1422  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

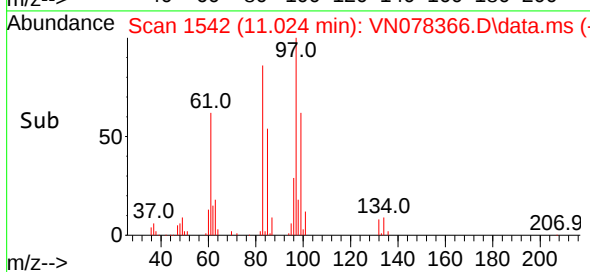
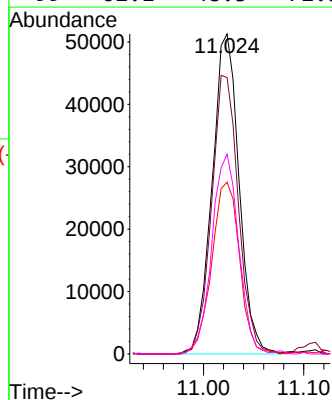
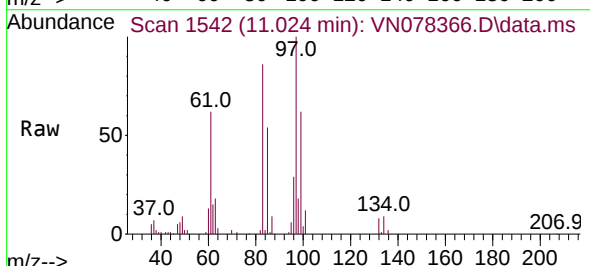
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

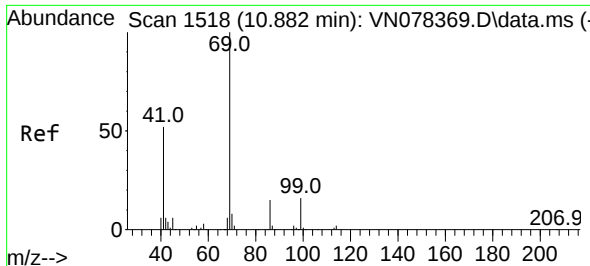
Tgt Ion: 75 Resp: 157016  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 24.0 36.0  
 39 44.1 35.1 52.7



#50  
 1,1,2-Trichloroethane  
 Concen: 19.238 ug/l  
 RT: 11.024 min Scan# 1542  
 Delta R.T. 0.006 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

Tgt Ion: 97 Resp: 95672  
 Ion Ratio Lower Upper  
 97 100  
 83 86.4 66.8 100.2  
 85 53.7 42.5 63.7  
 99 62.1 48.3 72.5

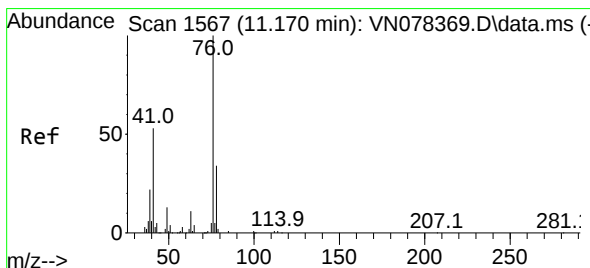
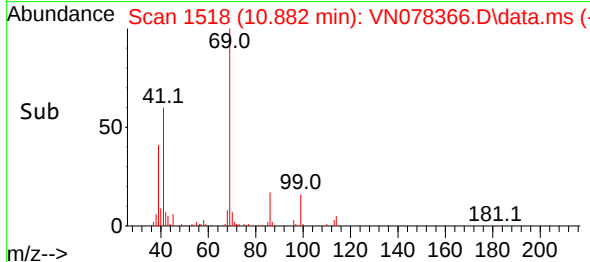
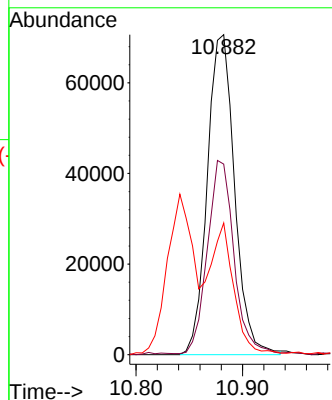
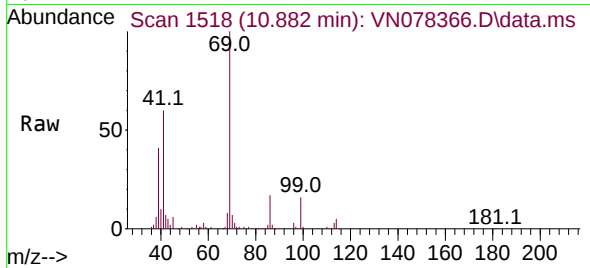




#51  
Ethyl methacrylate  
Concen: 18.522 ug/l  
RT: 10.882 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

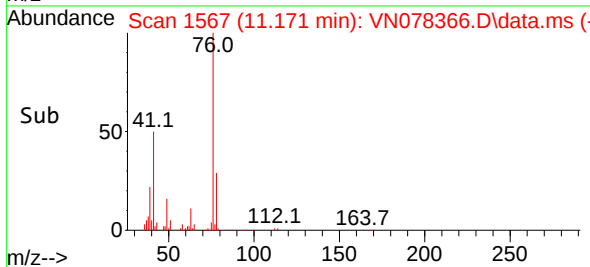
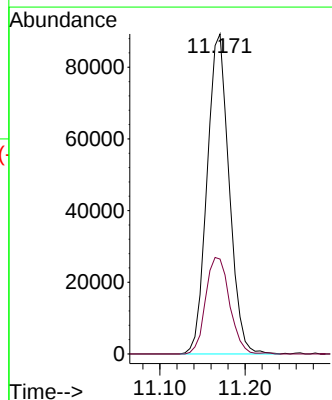
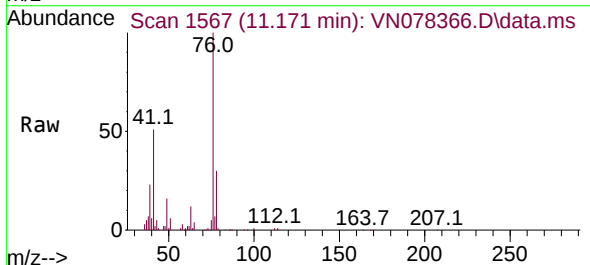
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

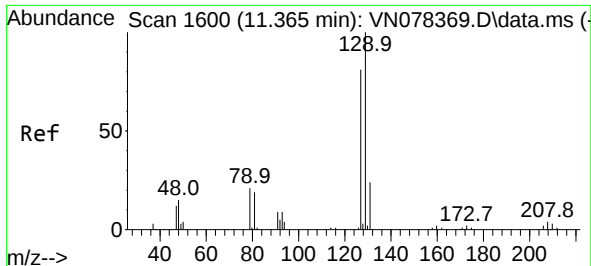
Tgt Ion: 69 Resp: 126008  
Ion Ratio Lower Upper  
69 100  
41 59.2 26.0 78.0  
39 40.6 16.3 48.9



#52  
1,3-Dichloropropane  
Concen: 19.191 ug/l  
RT: 11.171 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 76 Resp: 160175  
Ion Ratio Lower Upper  
76 100  
78 32.6 0.0 66.2

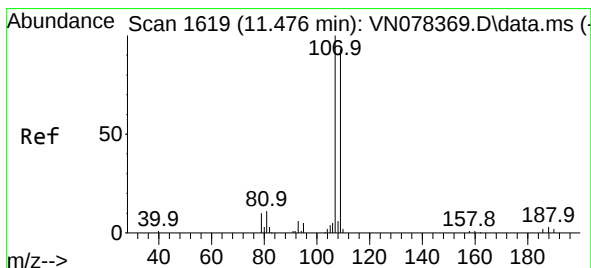
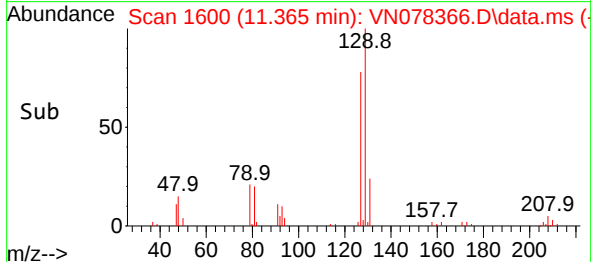
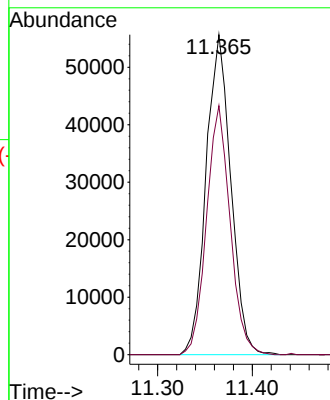
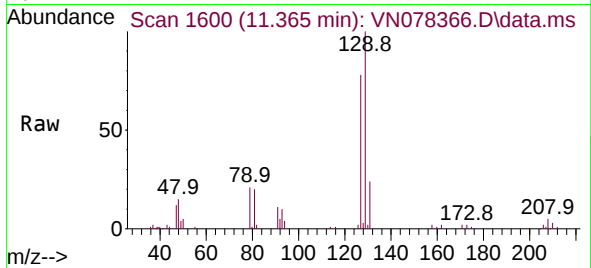




#53  
Dibromochloromethane  
Concen: 19.176 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

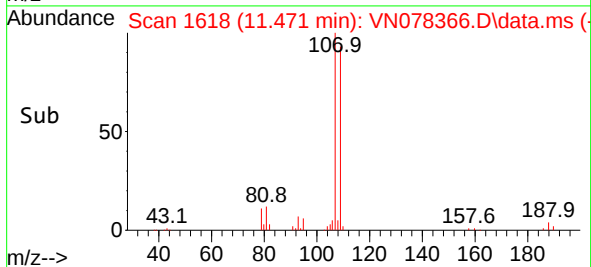
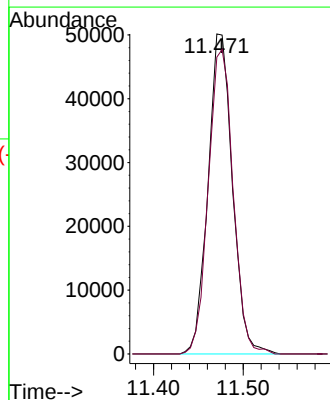
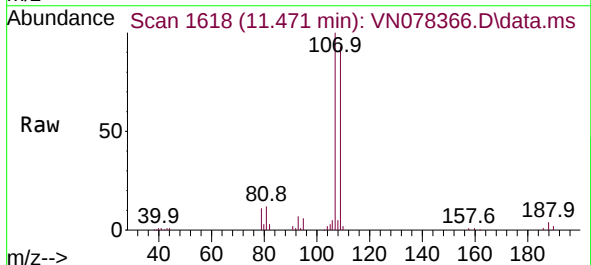
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

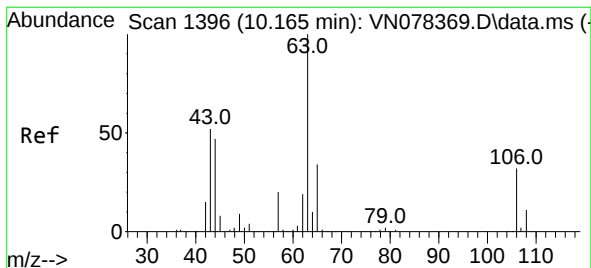
Tgt Ion:129 Resp: 101143  
Ion Ratio Lower Upper  
129 100  
127 74.3 39.4 118.1



#54  
1,2-Dibromoethane  
Concen: 18.966 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion:107 Resp: 95060  
Ion Ratio Lower Upper  
107 100  
109 96.1 74.6 112.0

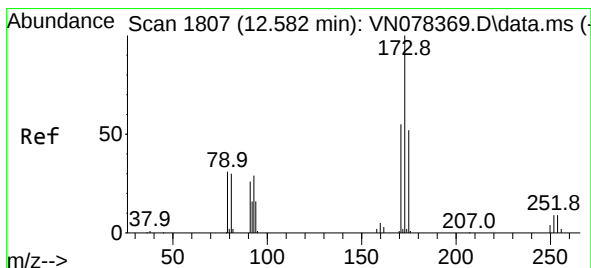
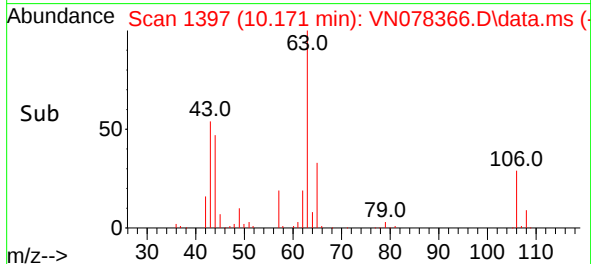
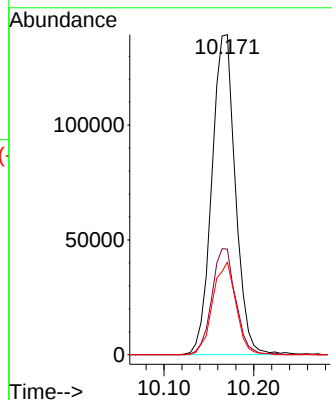
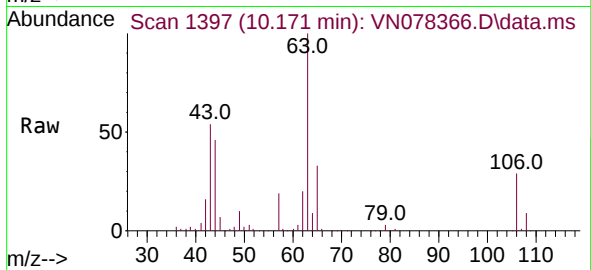




#55  
2-Chloroethyl vinyl ether  
Concen: 101.223 ug/l  
RT: 10.171 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

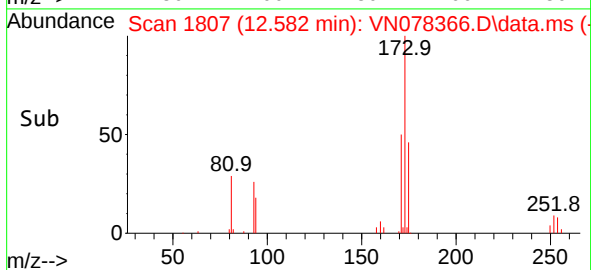
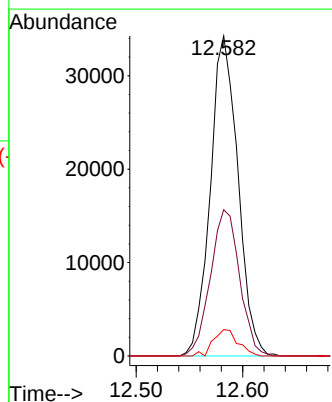
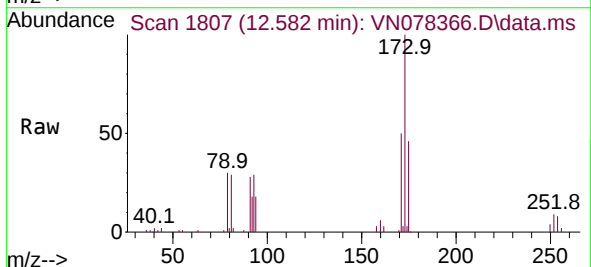
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MSVOA\_N  
ClientSampleId :  
VSTDICC020

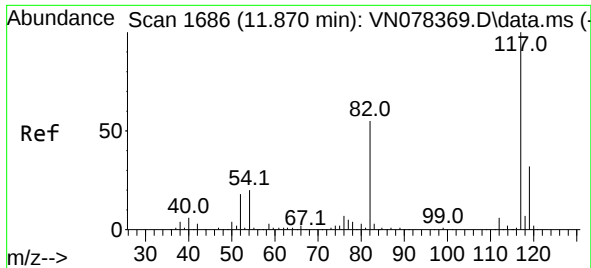
Tgt Ion: 63 Resp: 254052  
Ion Ratio Lower Upper  
63 100  
65 33.5 26.3 39.5  
106 28.5 23.8 35.6



#56  
Bromoform  
Concen: 19.112 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 173 Resp: 61707  
Ion Ratio Lower Upper  
173 100  
175 48.2 40.7 61.1  
254 7.1 6.5 9.7

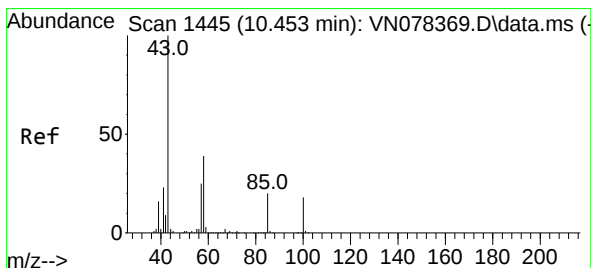
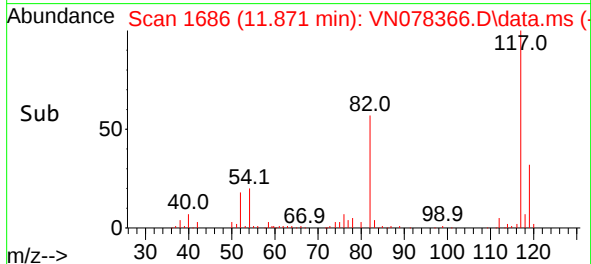
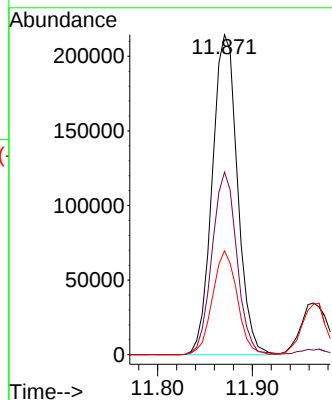
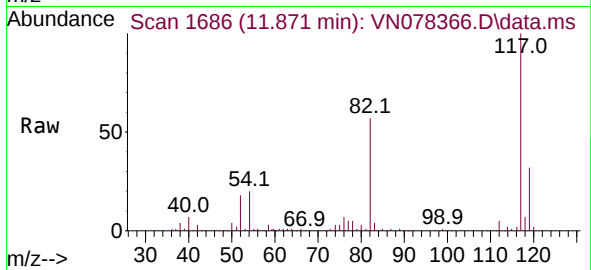




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

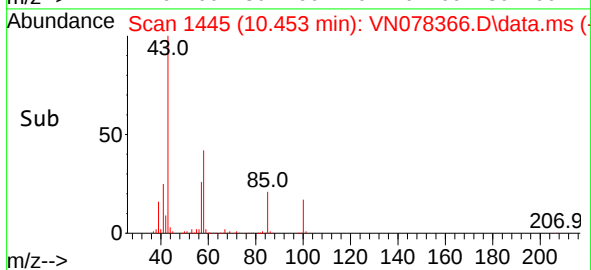
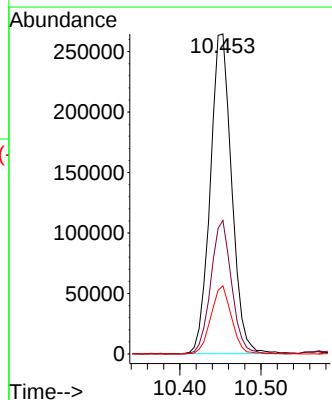
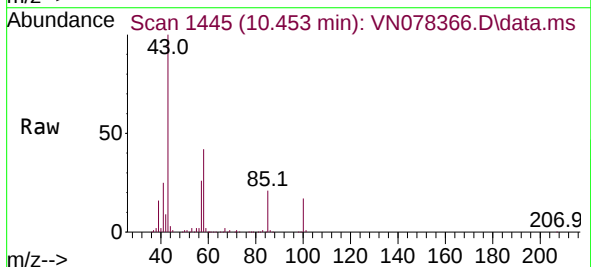
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

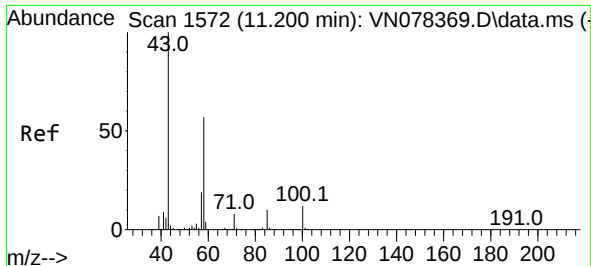
Tgt Ion:117 Resp: 397724  
Ion Ratio Lower Upper  
117 100  
82 55.8 43.9 65.9  
119 31.8 26.2 39.4



#58  
4-Methyl-2-Pentanone  
Concen: 91.388 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 43 Resp: 485385  
Ion Ratio Lower Upper  
43 100  
58 40.6 32.6 48.8  
85 20.4 16.2 24.2

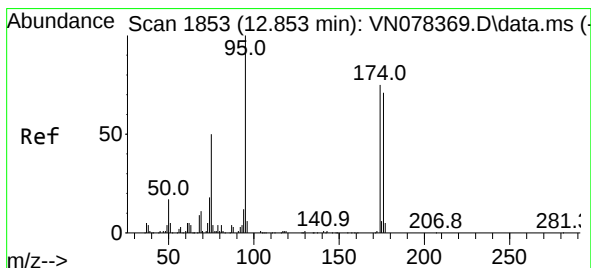
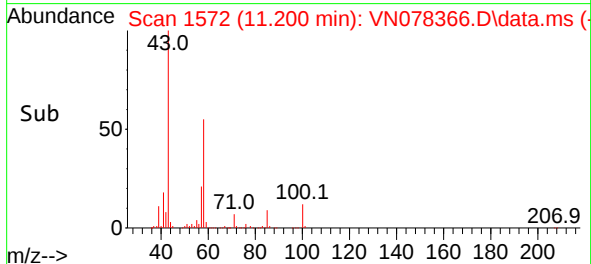
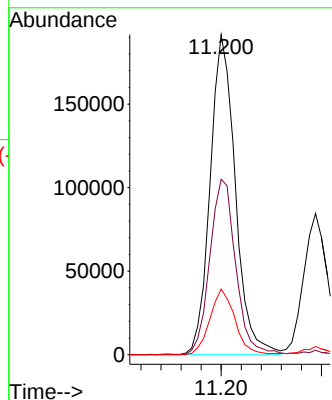
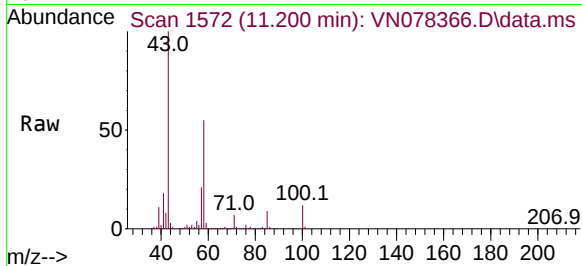




#59  
2-Hexanone  
Concen: 91.044 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

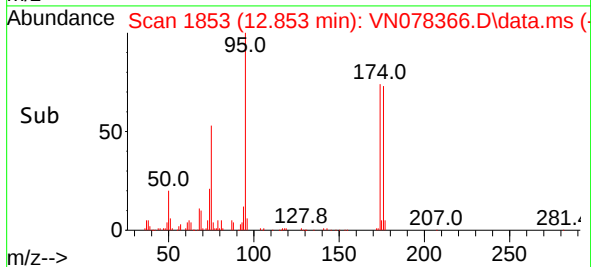
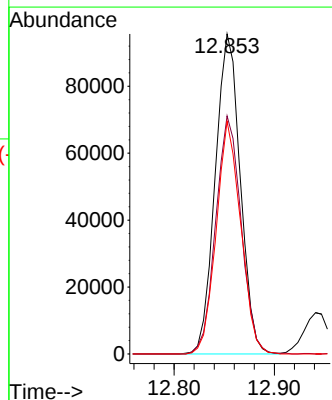
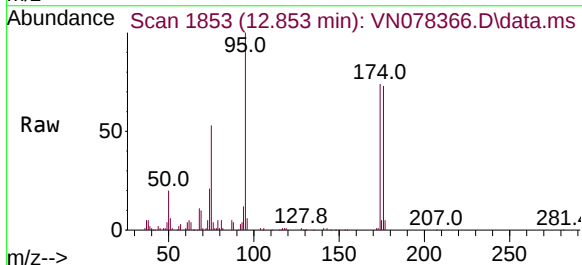
Instrument :  
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ClientSampleId :  
VSTDICC020

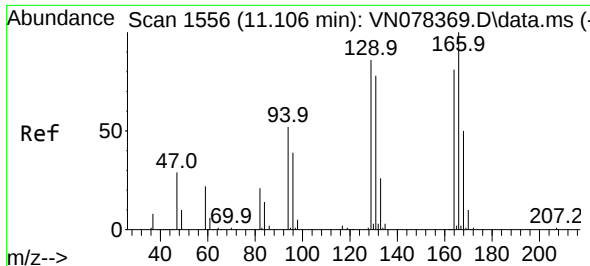
Tgt Ion: 43 Resp: 333962  
Ion Ratio Lower Upper  
43 100  
58 56.4 45.9 68.9  
57 20.3 15.8 23.6



#60  
4-Bromofluorobenzene  
Concen: 29.513 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 95 Resp: 165377  
Ion Ratio Lower Upper  
95 100  
174 75.4 61.7 92.5  
176 71.1 58.1 87.1

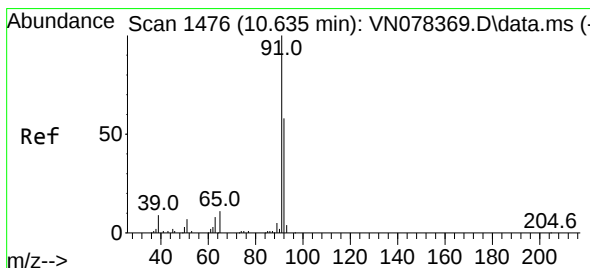
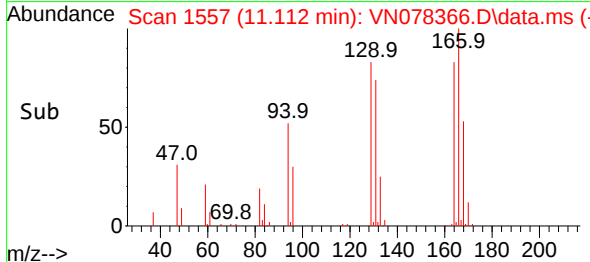
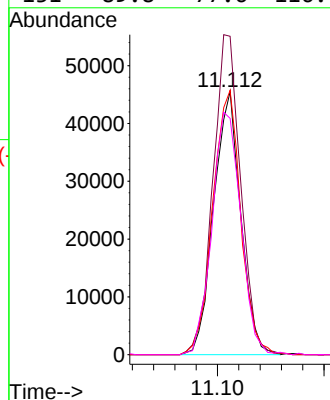
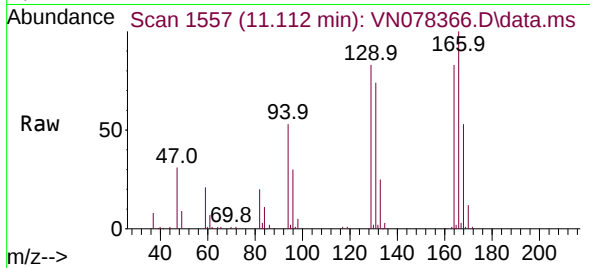




#61  
Tetrachloroethene  
Concen: 18.374 ug/l  
RT: 11.112 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

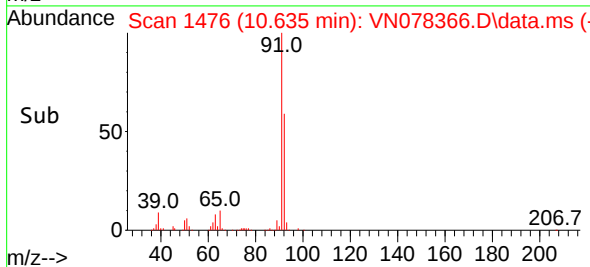
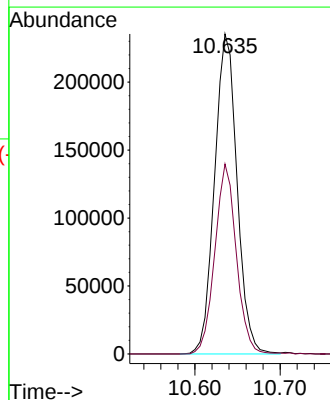
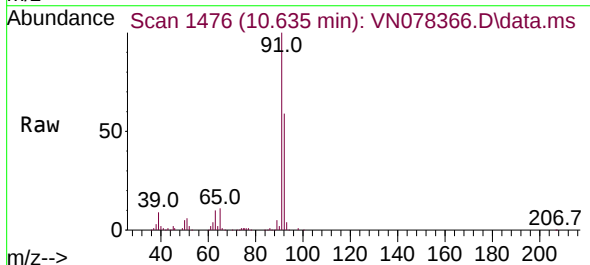
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

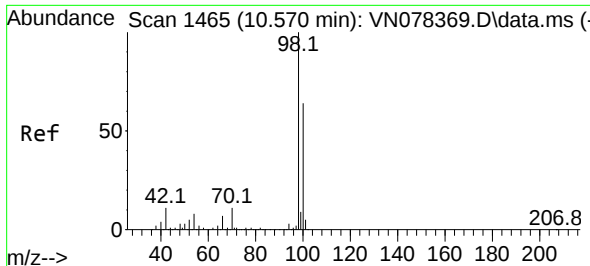
Tgt Ion:164 Resp: 80076  
Ion Ratio Lower Upper  
164 100  
166 121.0 99.1 148.7  
129 100.4 85.6 128.4  
131 89.8 77.6 116.4



#62  
Toluene  
Concen: 18.640 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 91 Resp: 431466  
Ion Ratio Lower Upper  
91 100  
92 56.6 45.2 67.8

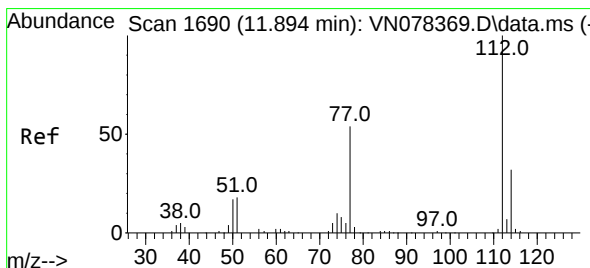
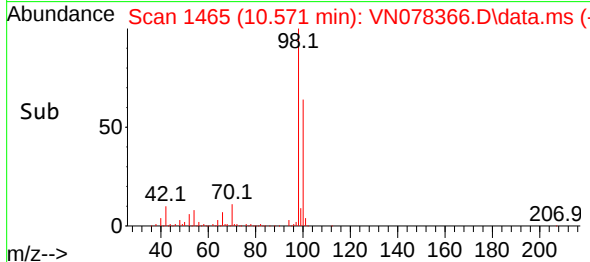
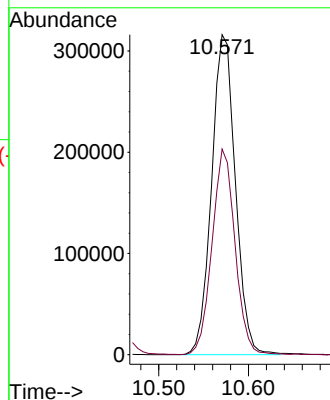
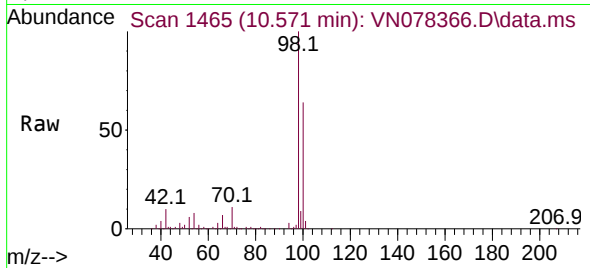




#63  
Toluene-d8  
Concen: 30.193 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

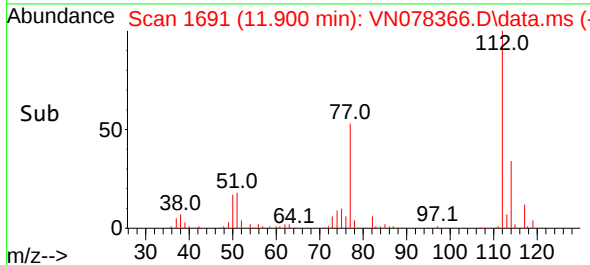
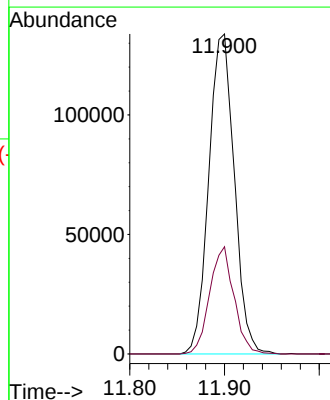
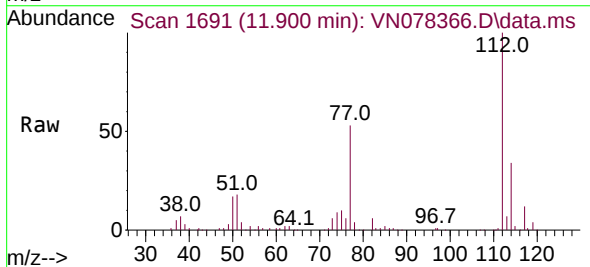
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

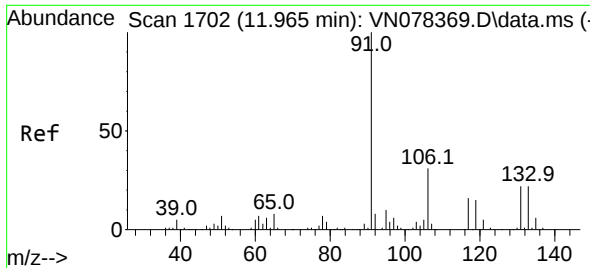
Tgt Ion: 98 Resp: 581842  
Ion Ratio Lower Upper  
98 100  
100 62.1 49.7 74.5



#64  
Chlorobenzene  
Concen: 18.280 ug/l  
RT: 11.900 min Scan# 1691  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 112 Resp: 250795  
Ion Ratio Lower Upper  
112 100  
114 33.5 25.9 38.9

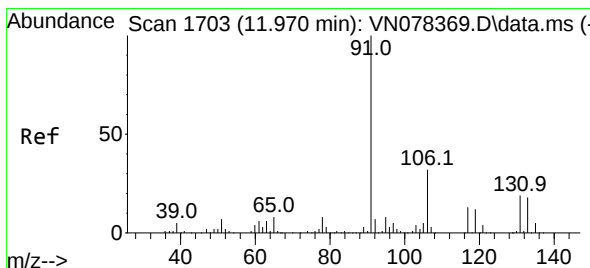
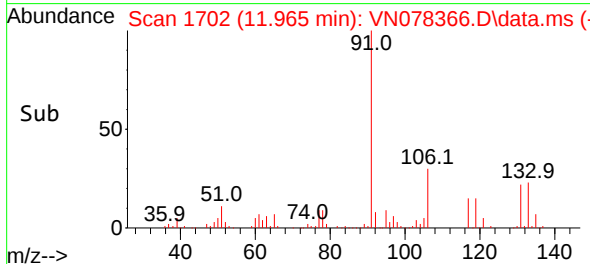
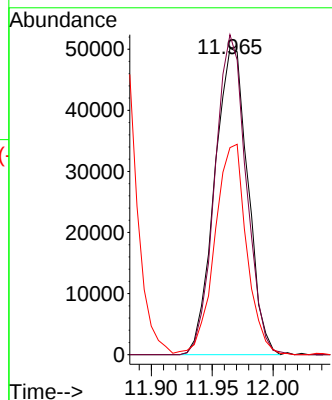
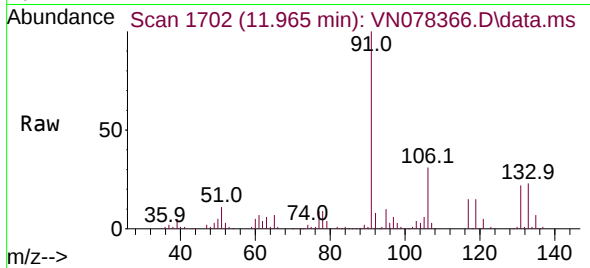




#65  
 1,1,1,2-Tetrachloroethane  
 Concen: 18.039 ug/l  
 RT: 11.965 min Scan# 1702  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

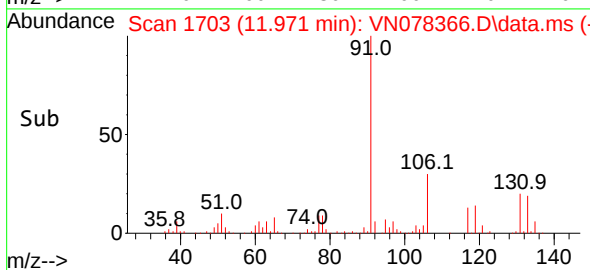
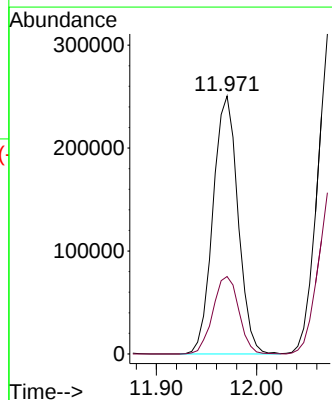
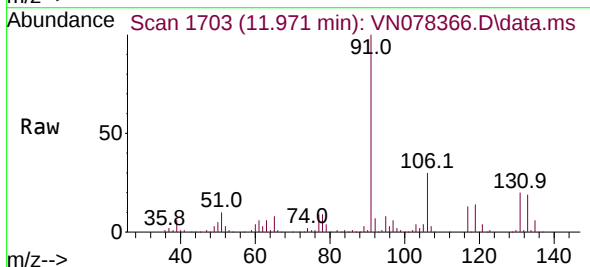
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

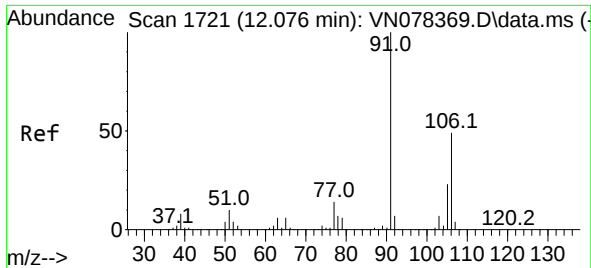
Tgt Ion:131 Resp: 95435  
 Ion Ratio Lower Upper  
 131 100  
 133 98.2 0.0 191.8  
 119 65.5 0.0 132.0



#66  
 Ethyl Benzene  
 Concen: 18.440 ug/l  
 RT: 11.971 min Scan# 1703  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

Tgt Ion: 91 Resp: 434332  
 Ion Ratio Lower Upper  
 91 100  
 106 30.0 25.6 38.4

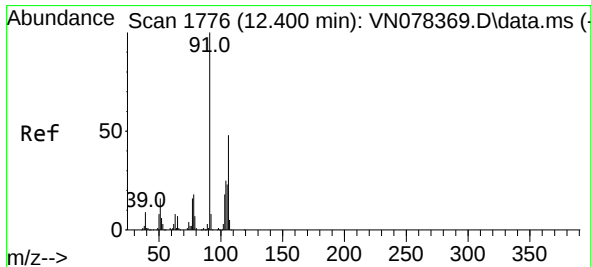
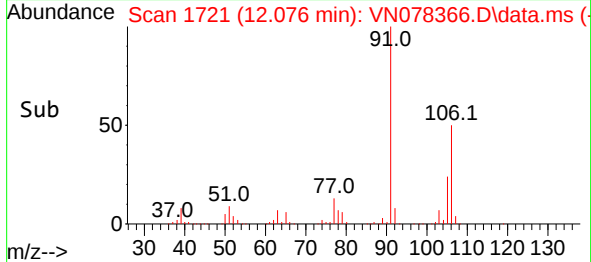
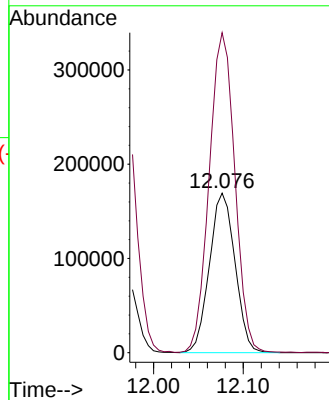
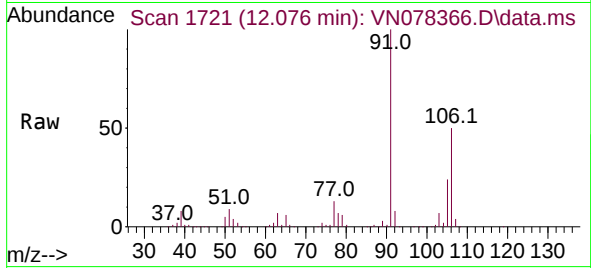




#67  
m/p-Xylenes  
Concen: 37.691 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

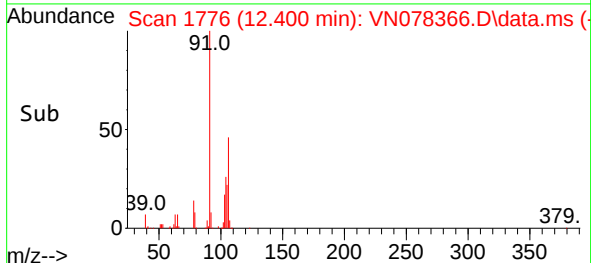
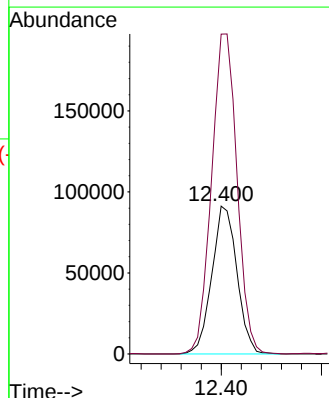
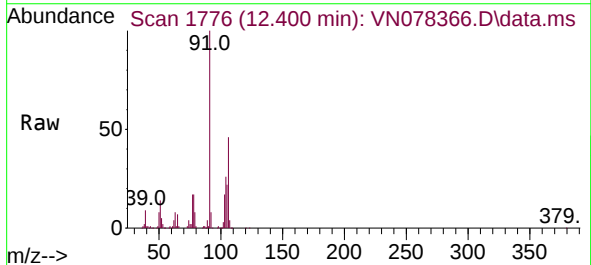
Instrument :  
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ClientSampleId :  
VSTDIC020

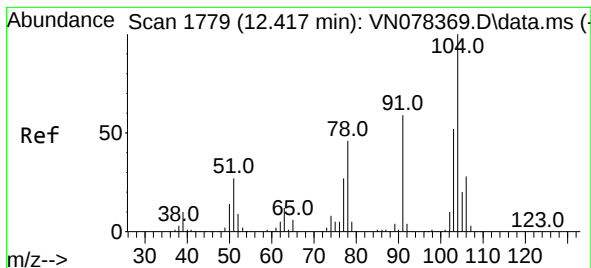
Tgt Ion:106 Resp: 335671  
Ion Ratio Lower Upper  
106 100  
91 200.8 162.5 243.7



#68  
o-Xylene  
Concen: 18.355 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion:106 Resp: 158512  
Ion Ratio Lower Upper  
106 100  
91 219.9 106.1 318.3





#69

Styrene

Concen: 18.682 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

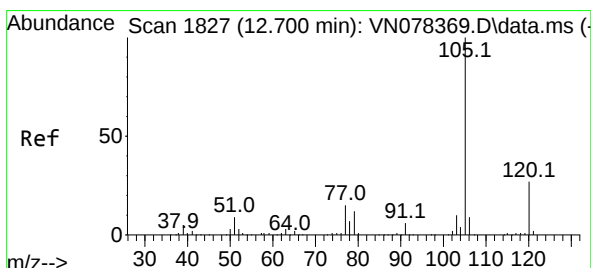
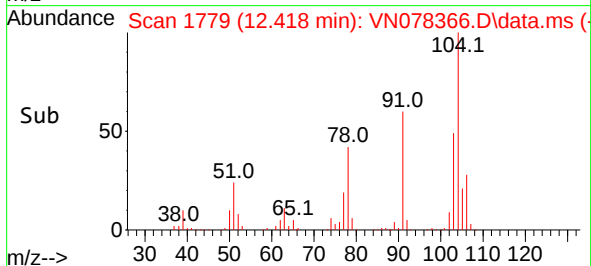
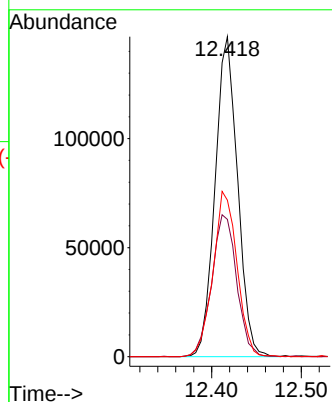
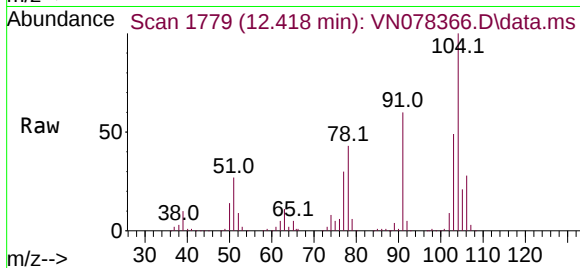
Tgt Ion:104 Resp: 255453

Ion Ratio Lower Upper

104 100

78 49.3 40.1 60.1

103 55.0 45.1 67.7



#70

Isopropylbenzene

Concen: 18.646 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN078366.D

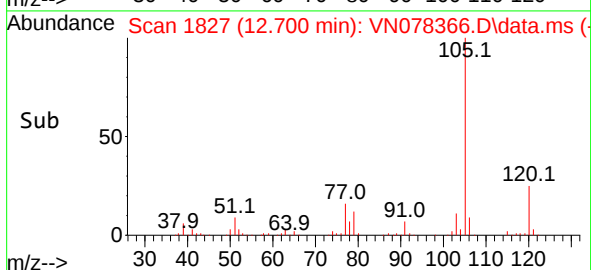
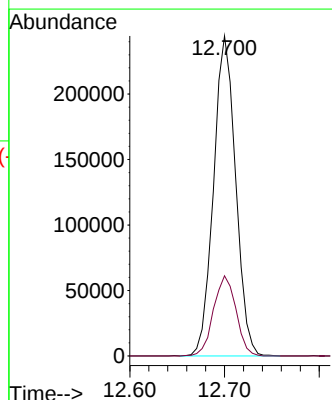
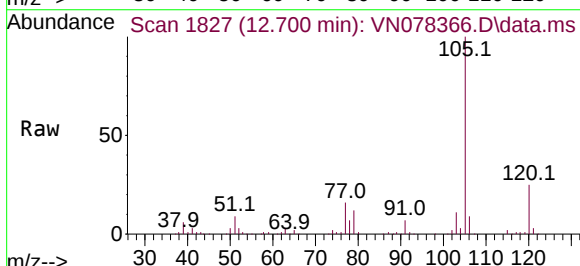
Acq: 23 Jun 2023 09:58

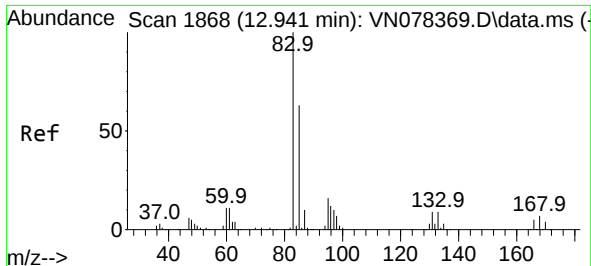
Tgt Ion:105 Resp: 395686

Ion Ratio Lower Upper

105 100

120 25.5 18.3 34.1

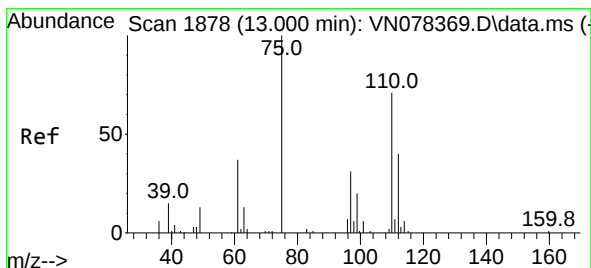
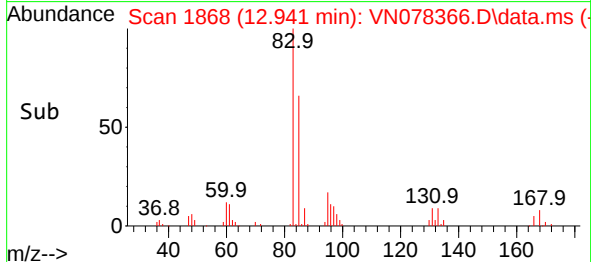
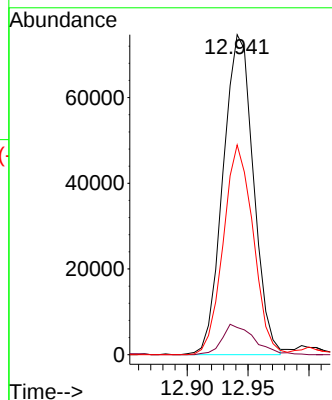
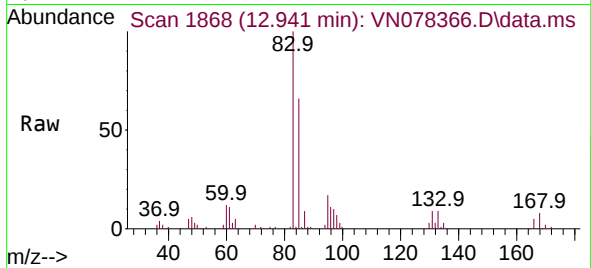




#71  
1,1,2,2-Tetrachloroethane  
Concen: 18.829 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

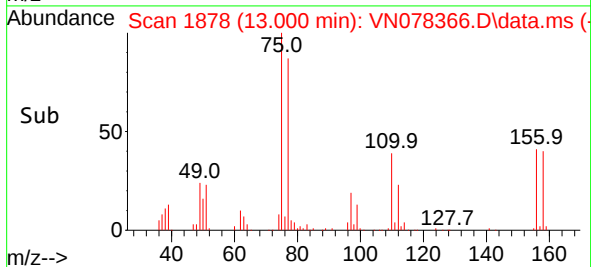
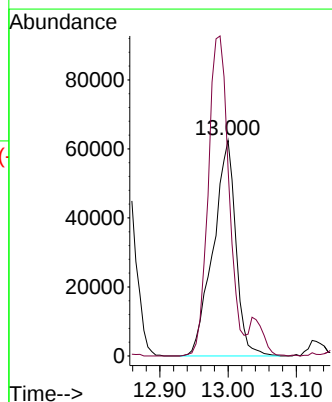
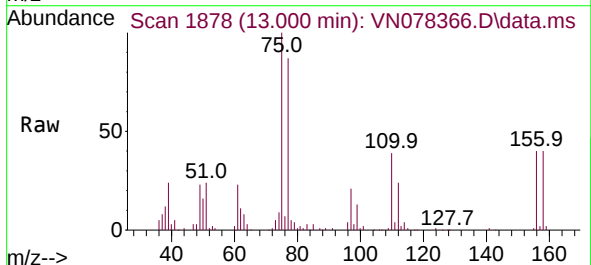
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ClientSampleId :  
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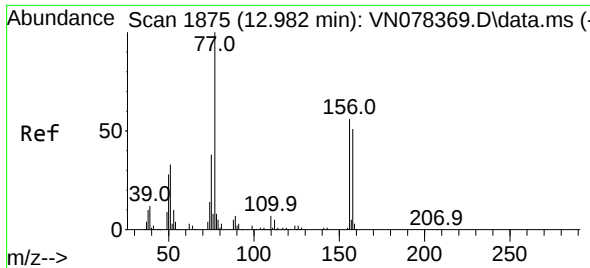
Tgt Ion: 83 Resp: 129938  
Ion Ratio Lower Upper  
83 100  
131 10.0 4.8 14.4  
85 64.5 32.6 98.0



#72  
1,2,3-Trichloropropane  
Concen: 23.752 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 75 Resp: 144481  
Ion Ratio Lower Upper  
75 100  
77 134.9 0.0 387.4

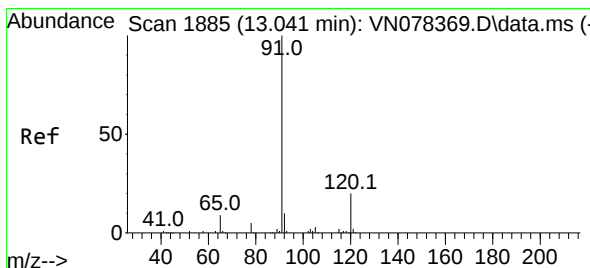
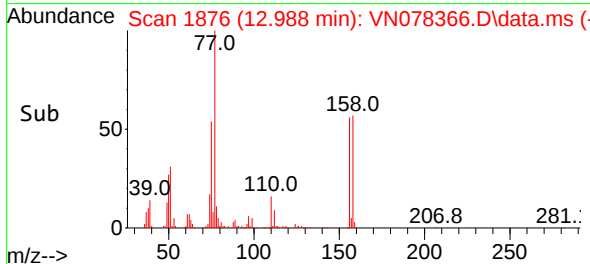
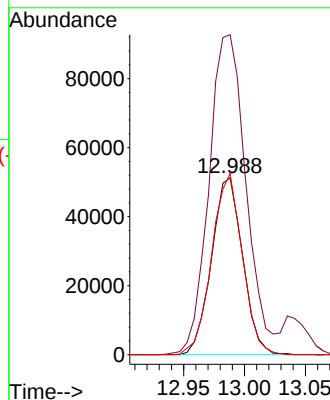
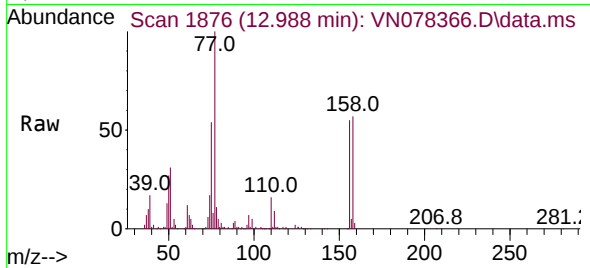




#73  
Bromobenzene  
Concen: 17.905 ug/l  
RT: 12.988 min Scan# 1875  
Delta R.T. 0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

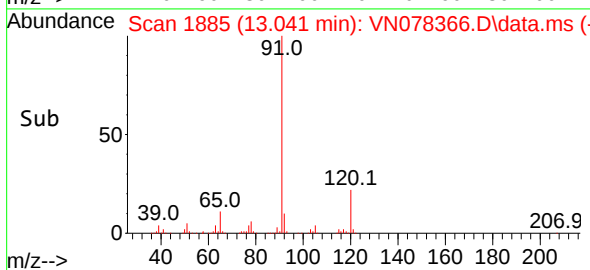
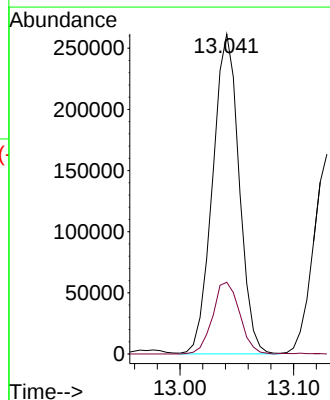
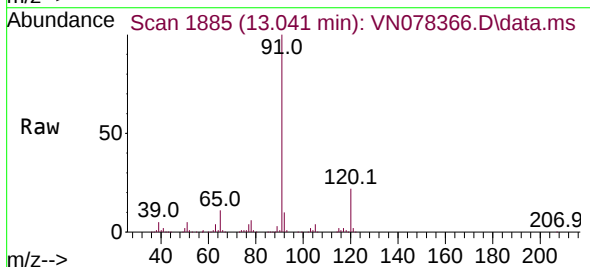
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ClientSampleId :  
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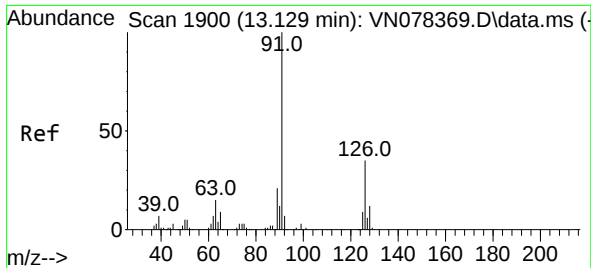
Tgt Ion:156 Resp: 90840  
Ion Ratio Lower Upper  
156 100  
77 214.5 0.0 420.8  
158 100.9 0.0 193.2



#74  
n-propylbenzene  
Concen: 18.372 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 91 Resp: 423945  
Ion Ratio Lower Upper  
91 100  
120 22.8 0.0 44.6

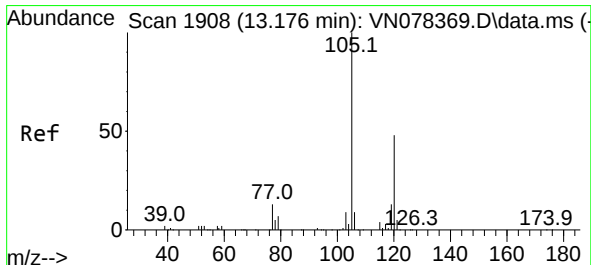
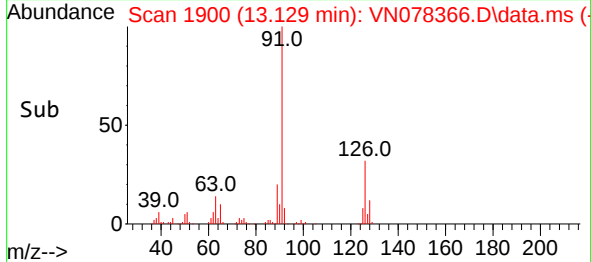
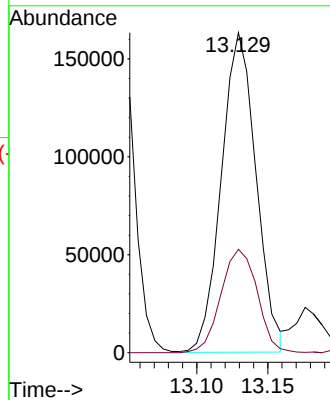
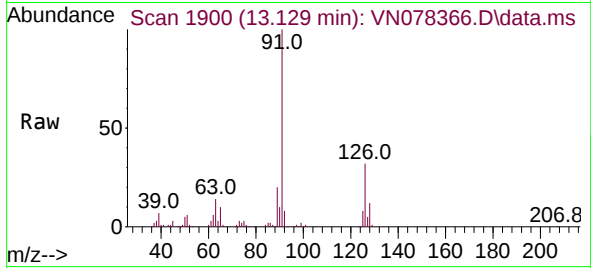




#75  
2-Chlorotoluene  
Concen: 17.739 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

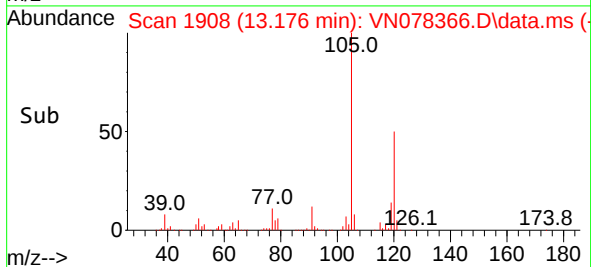
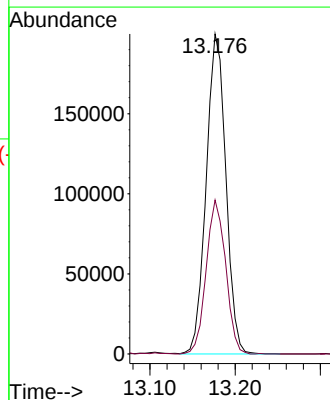
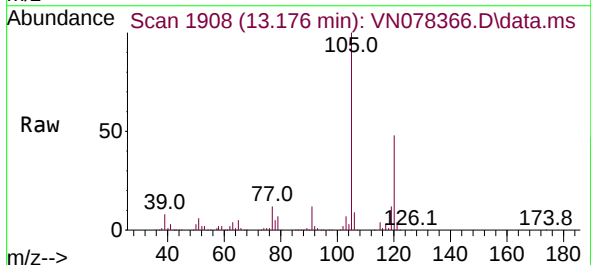
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

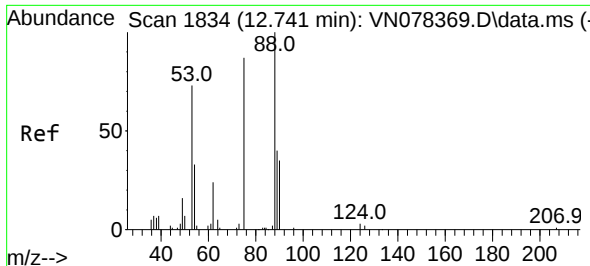
Tgt Ion: 91 Resp: 277087  
Ion Ratio Lower Upper  
91 100  
126 33.8 0.0 67.2



#76  
1,3,5-Trimethylbenzene  
Concen: 18.200 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 105 Resp: 320243  
Ion Ratio Lower Upper  
105 100  
120 47.6 0.0 97.2

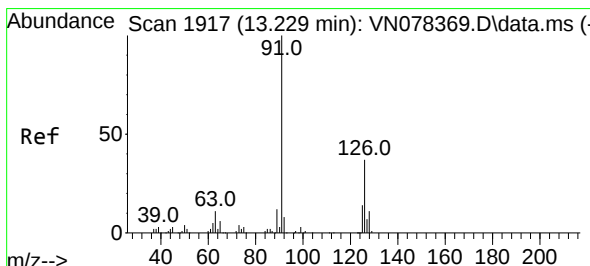
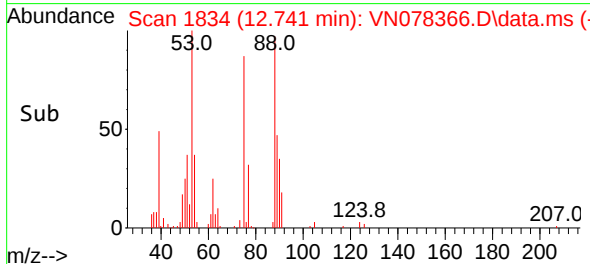
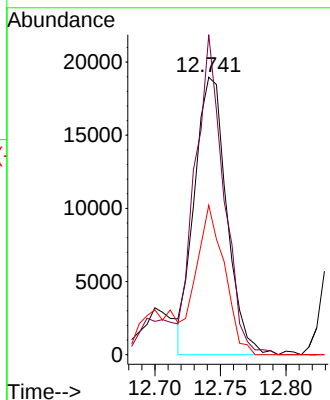
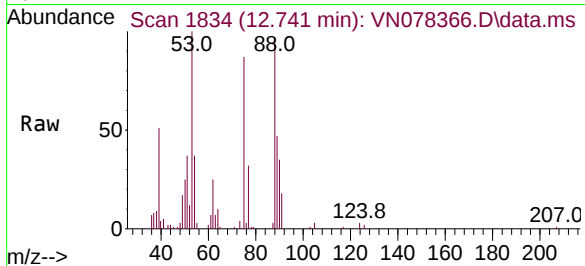




#77  
t-1,4-Dichloro-2-butene  
Concen: 17.502 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

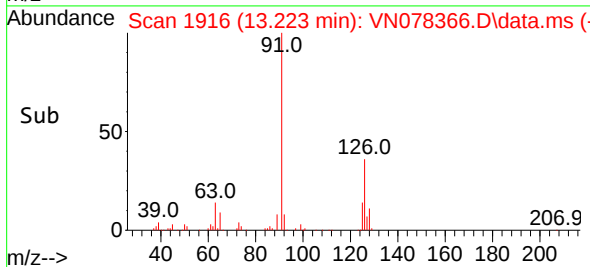
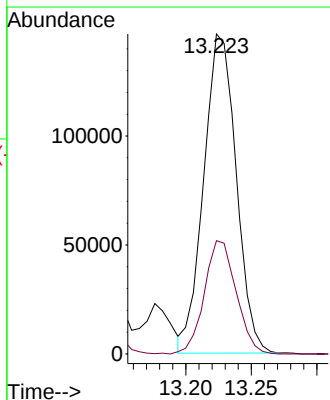
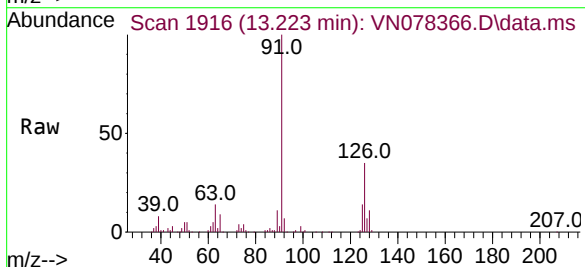
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

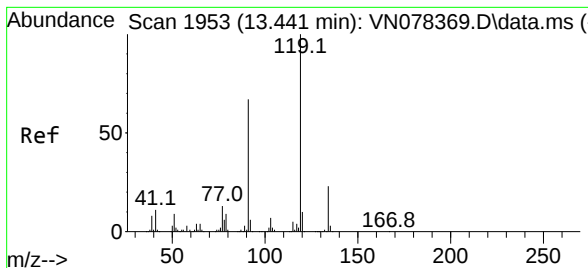
Tgt Ion: 75 Resp: 32540  
Ion Ratio Lower Upper  
75 100  
53 115.4 41.6 124.9  
89 53.9 25.1 75.4



#78  
4-Chlorotoluene  
Concen: 17.263 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 91 Resp: 252339  
Ion Ratio Lower Upper  
91 100  
126 34.8 0.0 68.8

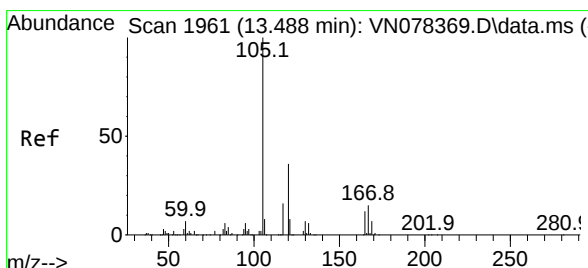
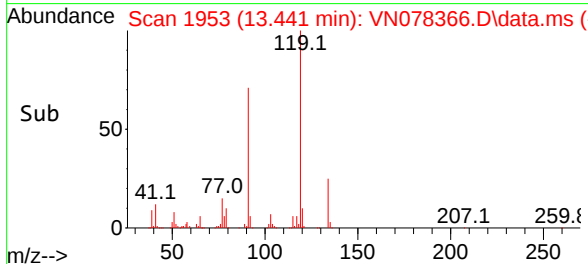
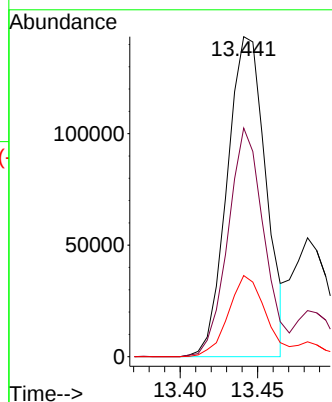
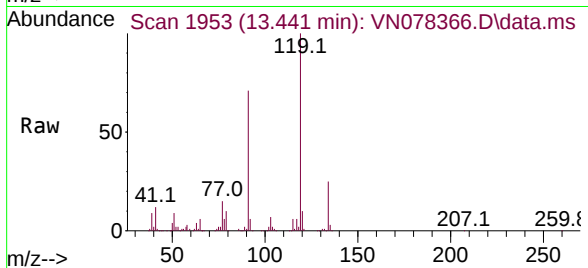




#79  
tert-butylbenzene  
Concen: 17.204 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

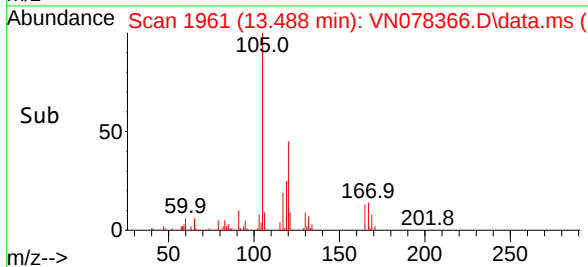
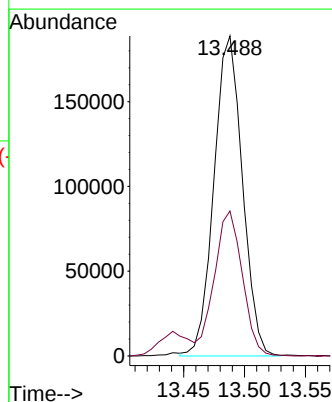
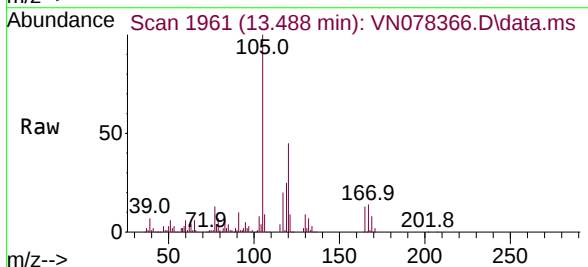
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

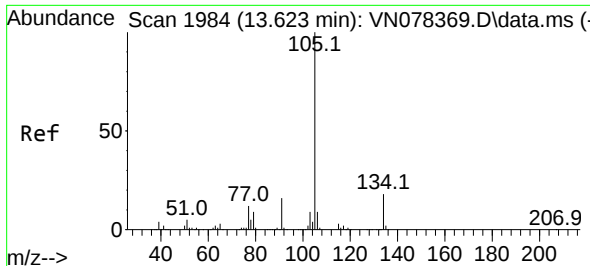
Tgt Ion:119 Resp: 249025  
Ion Ratio Lower Upper  
119 100  
91 67.0 0.0 126.6  
134 24.4 0.0 44.0



#80  
1,2,4-Trimethylbenzene  
Concen: 18.435 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion:105 Resp: 306516  
Ion Ratio Lower Upper  
105 100  
120 44.6 0.0 88.2

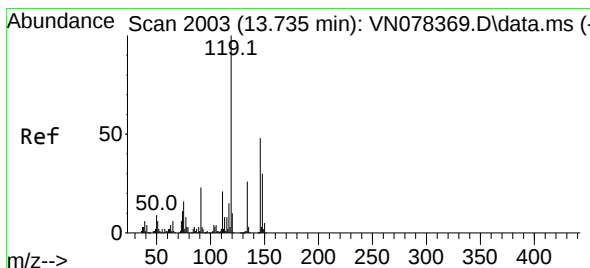
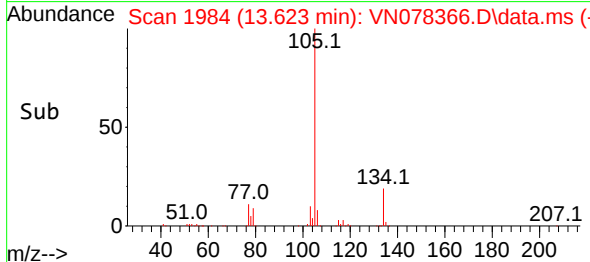
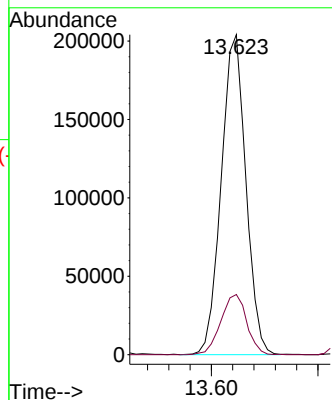
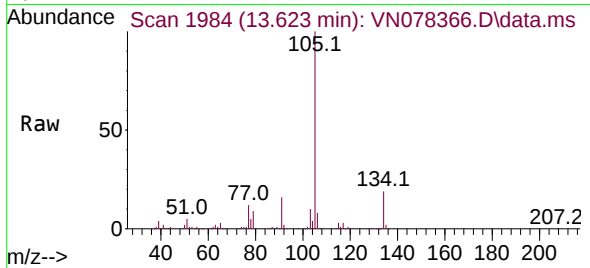




#81  
 sec-Butylbenzene  
 Concen: 18.121 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

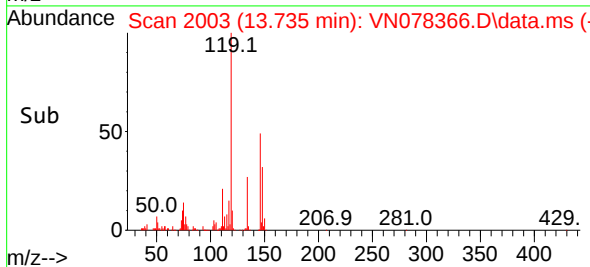
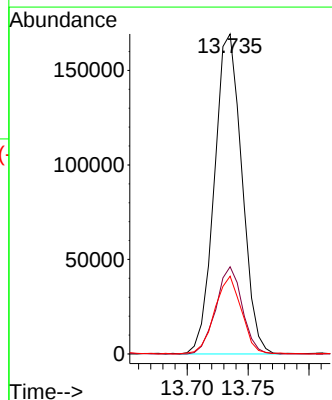
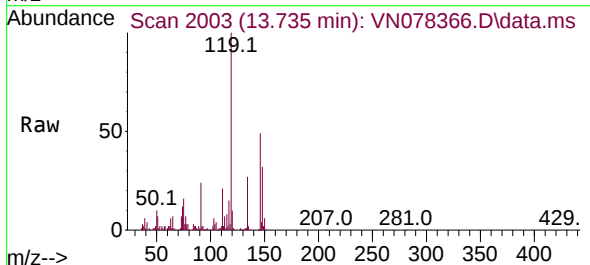
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

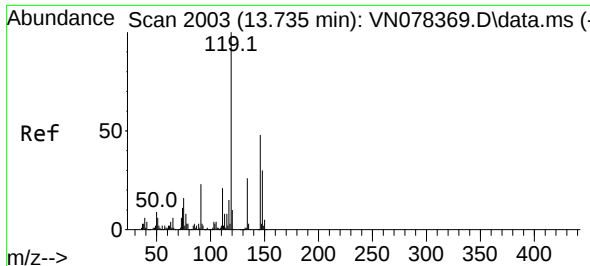
Tgt Ion:105 Resp: 327218  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 0.0 38.6



#82  
 p-Isopropyltoluene  
 Concen: 18.323 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078366.D  
 Acq: 23 Jun 2023 09:58

Tgt Ion:119 Resp: 266136  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 0.0 52.4  
 91 23.7 0.0 48.2

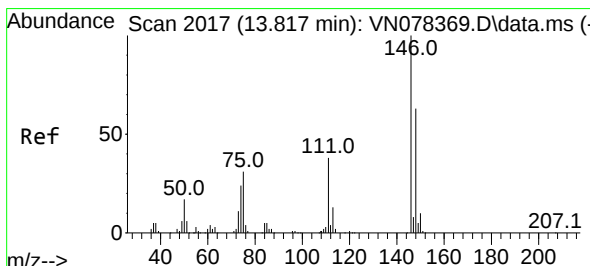
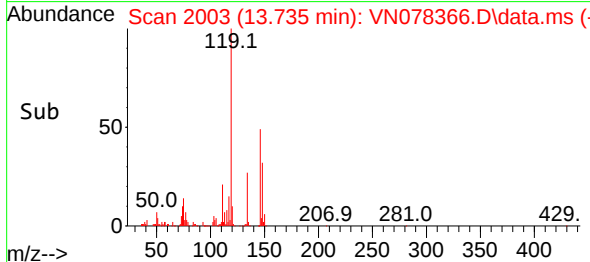
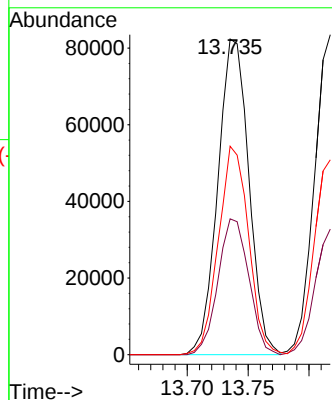
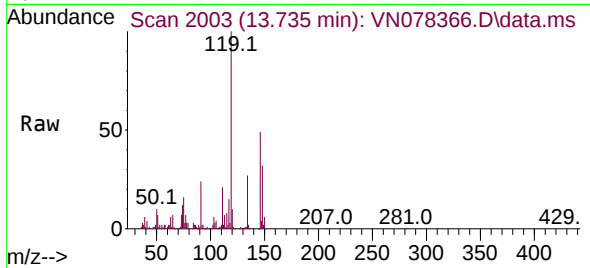




#83  
1,3-Dichlorobenzene  
Concen: 18.165 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

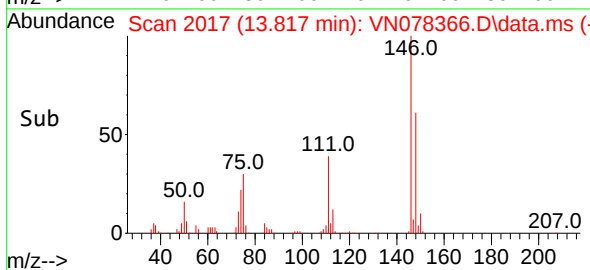
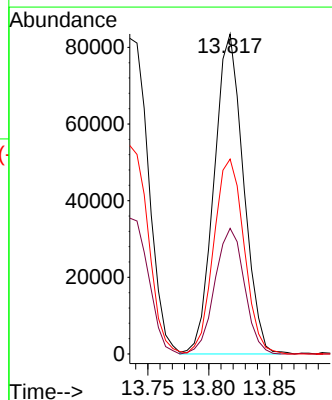
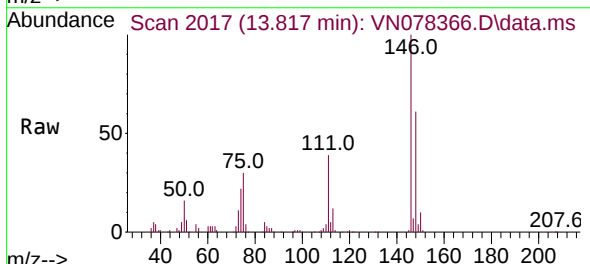
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

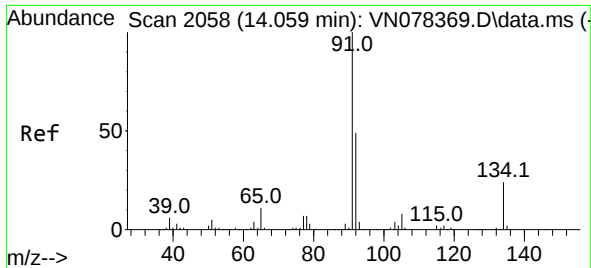
Tgt Ion:146 Resp: 146068  
Ion Ratio Lower Upper  
146 100  
111 42.7 21.6 64.6  
148 64.3 31.9 95.5



#84  
1,4-Dichlorobenzene  
Concen: 18.034 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion:146 Resp: 140211  
Ion Ratio Lower Upper  
146 100  
111 39.4 19.4 58.2  
148 62.9 31.4 94.3

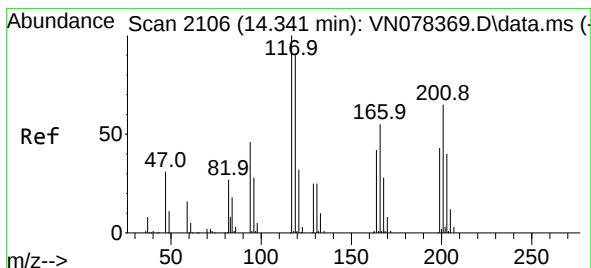
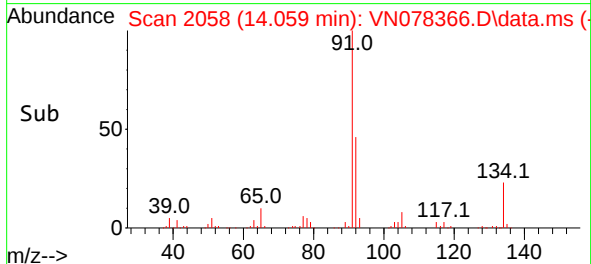
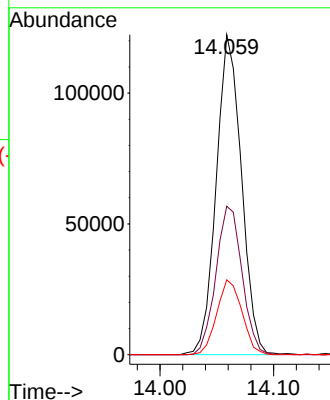
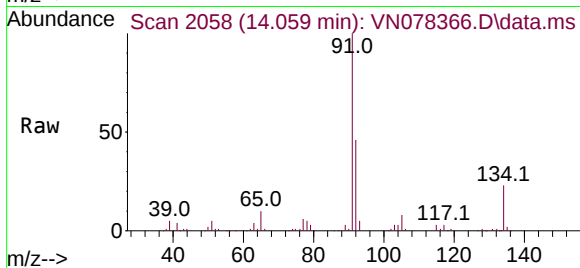




#85  
n-Butylbenzene  
Concen: 17.583 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

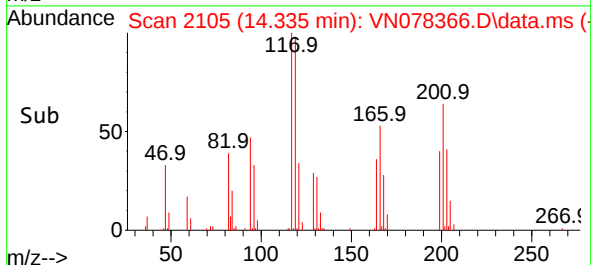
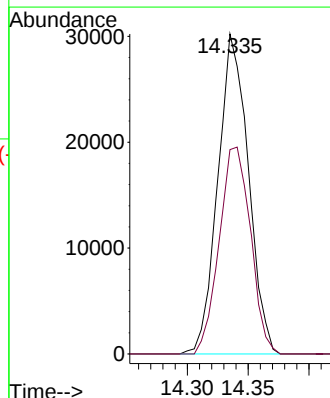
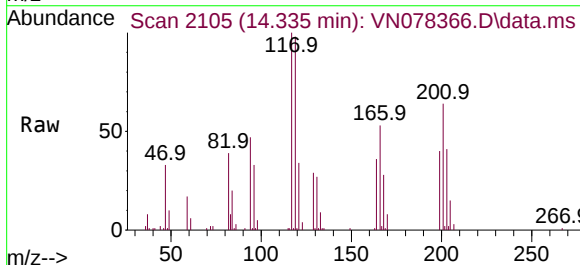
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

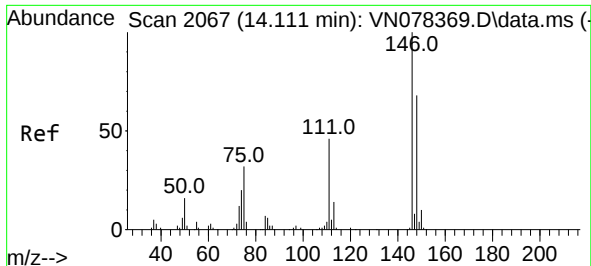
Tgt Ion: 91 Resp: 188646  
Ion Ratio Lower Upper  
91 100  
92 48.2 0.0 99.6  
134 23.4 0.0 50.0



#86  
Hexachloroethane  
Concen: 18.808 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.006 min  
Lab File: VN078366.D  
Acq: 23 Jun 2023 09:58

Tgt Ion: 117 Resp: 52579  
Ion Ratio Lower Upper  
117 100  
201 66.5 34.2 102.6





#87

1,2-Dichlorobenzene

Concen: 18.581 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC020

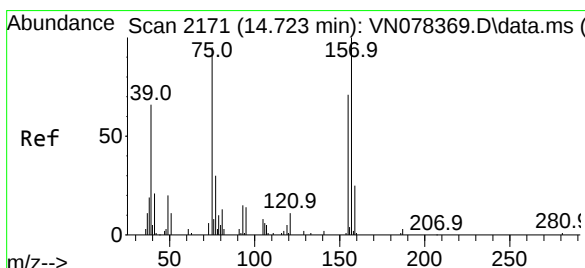
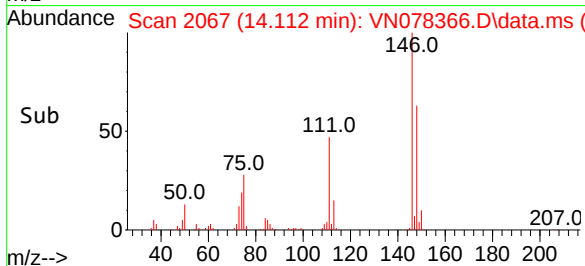
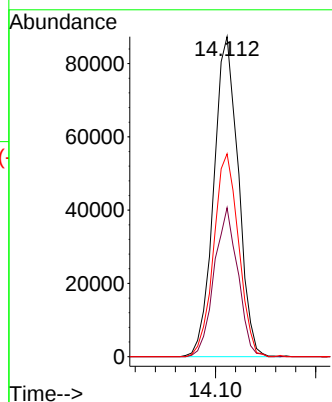
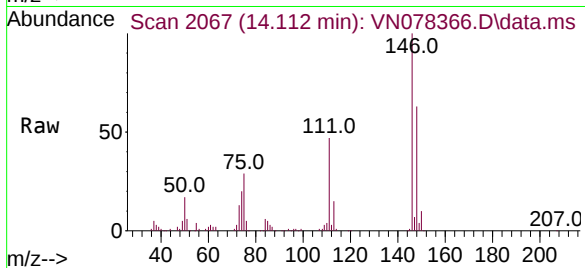
Tgt Ion:146 Resp: 148102

Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.3

148 64.3 33.4 100.1



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.997 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

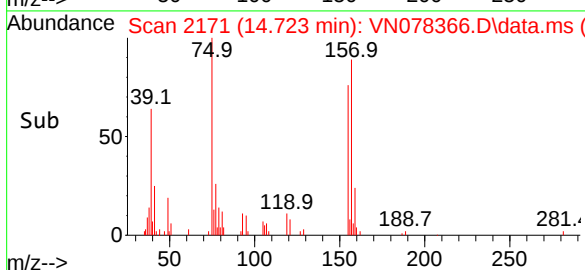
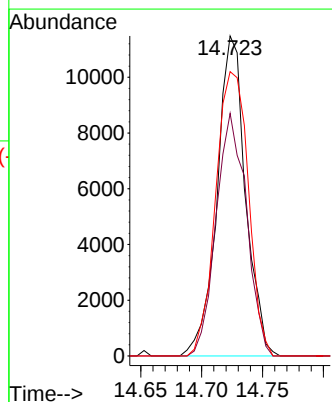
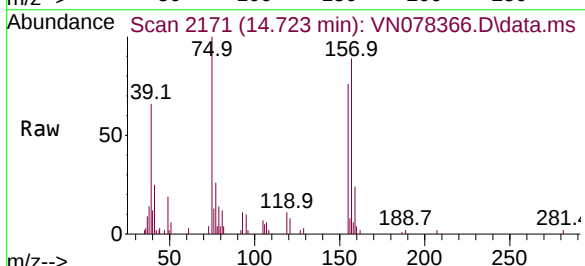
Tgt Ion: 75 Resp: 18713

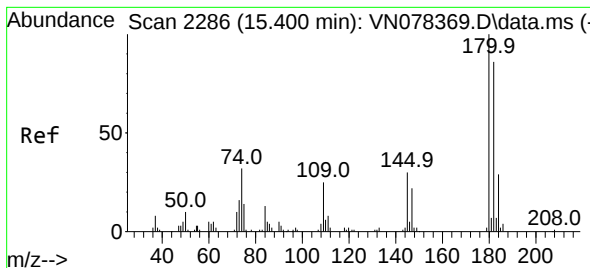
Ion Ratio Lower Upper

75 100

155 80.6 68.2 102.2

157 101.3 84.7 127.1





#89

1,2,4-Trichlorobenzene

Concen: 16.069 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

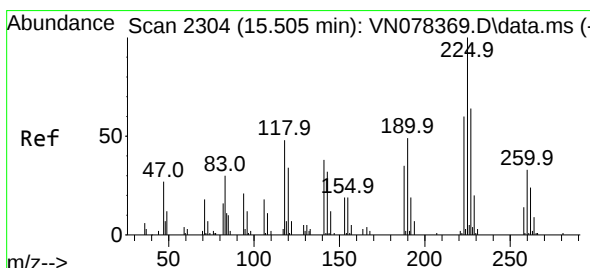
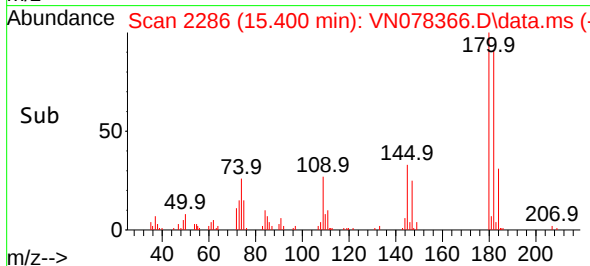
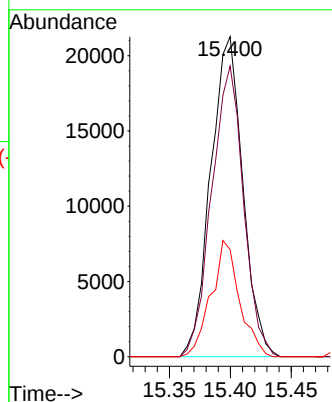
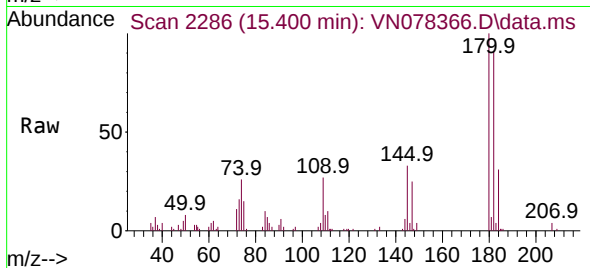
Tgt Ion:180 Resp: 39055

Ion Ratio Lower Upper

180 100

182 89.7 73.7 110.5

145 32.2 25.0 37.6



#90

Hexachlorobutadiene

Concen: 16.318 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

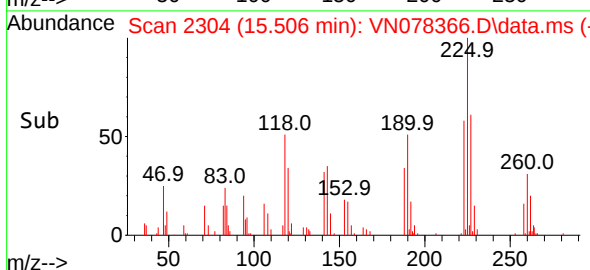
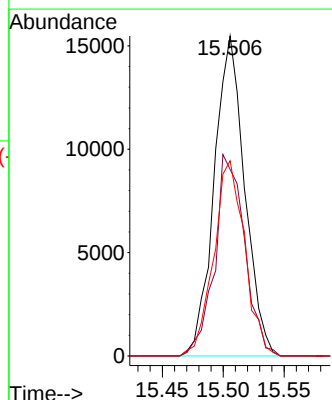
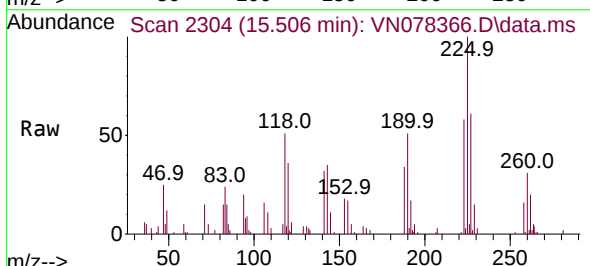
Tgt Ion:225 Resp: 26964

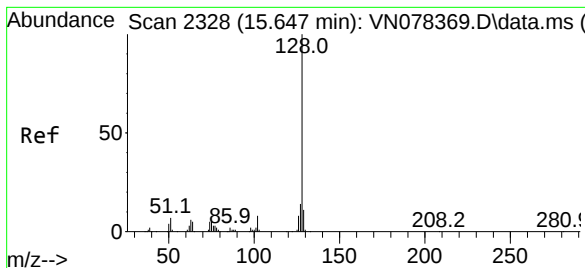
Ion Ratio Lower Upper

225 100

223 61.7 0.0 130.0

227 62.0 0.0 124.0





#91

Naphthalene

Concen: 14.049 ug/l

RT: 15.647 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

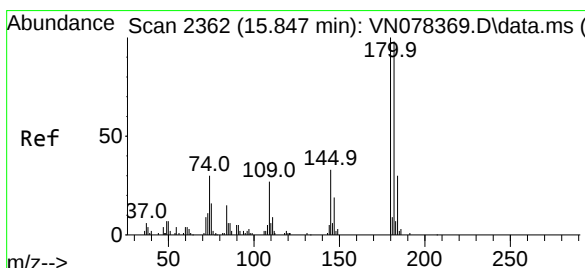
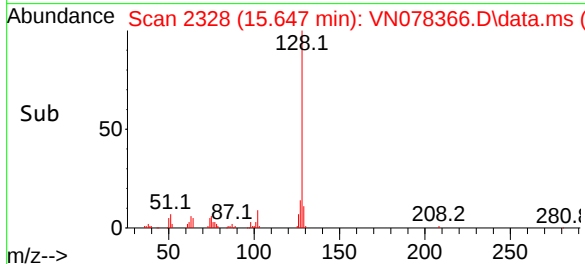
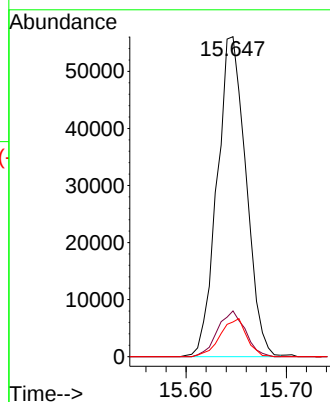
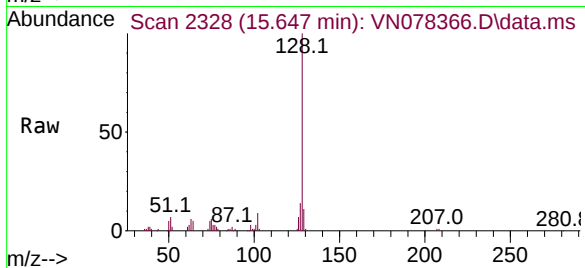
Tgt Ion:128 Resp: 111883

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 10.9 9.0 13.4



#92

1,2,3-Trichlorobenzene

Concen: 15.565 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN078366.D

Acq: 23 Jun 2023 09:58

Tgt Ion:180 Resp: 43765

Ion Ratio Lower Upper

180 100

182 91.6 0.0 196.4

145 34.2 0.0 71.0

