

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081523\  
 Data File : VN078889.D  
 Acq On : 15 Aug 2023 15:08  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Aug 16 02:55:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081523W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 179665     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 316474     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871         | 117  | 295212     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 135107     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 123430     | 44.149  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 88.300% |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 94201      | 44.219  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 88.440% |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 370393     | 46.825  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.660% |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 126890     | 49.078  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 98.160% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 113562     | 45.554  | ug/l   | 95       |
| 3) Chloromethane             | 2.365          | 50   | 146609     | 42.121  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.512          | 62   | 143646     | 47.059  | ug/l   | 97       |
| 5) Bromomethane              | 2.936          | 94   | 81599      | 46.560  | ug/l   | 99       |
| 6) Chloroethane              | 3.112          | 64   | 92774      | 43.476  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.489          | 101  | 172813     | 46.482  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.965          | 74   | 65362      | 46.374  | ug/l # | 56       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 94009      | 47.476  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.589          | 142  | 107599     | 48.567  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 110672     | 235.909 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 89890      | 46.603  | ug/l   | 83       |
| 13) Acrolein                 | 4.177          | 56   | 73586      | 310.467 | ug/l   | 93       |
| 14) Allyl chloride           | 5.030          | 41   | 187517     | 48.846  | ug/l # | 87       |
| 15) Acrylonitrile            | 5.724          | 53   | 305721     | 240.555 | ug/l   | 99       |
| 16) Acetone                  | 4.430          | 43   | 310831     | 269.452 | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.712          | 76   | 248673     | 46.057  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.030          | 43   | 222194     | 45.595  | ug/l # | 80       |
| 19) Methyl tert-butyl Ether  | 5.800          | 73   | 334240     | 48.105  | ug/l # | 90       |
| 20) Methylene Chloride       | 5.271          | 84   | 110050     | 44.766  | ug/l # | 79       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 99375      | 45.945  | ug/l # | 82       |
| 22) Diisopropyl ether        | 6.683          | 45   | 392111     | 48.281  | ug/l # | 90       |
| 23) Vinyl Acetate            | 6.606          | 43   | 1285223    | 240.343 | ug/l # | 85       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 206288     | 46.496  | ug/l   | 96       |
| 25) 2-Butanone               | 7.489          | 43   | 457306     | 247.262 | ug/l # | 78       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 179619     | 50.085  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 120496     | 45.835  | ug/l   | 82       |
| 28) Bromochloromethane       | 7.812          | 49   | 129925     | 55.204  | ug/l # | 71       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 292438     | 238.889 | ug/l # | 71       |
| 30) Chloroform               | 7.971          | 83   | 210493     | 47.489  | ug/l   | 94       |
| 31) Cyclohexane              | 8.259          | 56   | 169226     | 48.455  | ug/l   | 84       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 178349     | 47.189  | ug/l # | 93       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 157220     | 49.061  | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.565          | 43   | 176509     | 49.229  | ug/l # | 89       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 155122     | 48.311  | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.606          | 83   | 138970     | 47.153  | ug/l # | 83       |
| 40) Benzene                  | 8.612          | 78   | 463470     | 48.931  | ug/l   | 99       |

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 ALS Vial : 9 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Wed Aug 16 02:42:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 99261    | 50.831  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 169488   | 47.895  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 296108   | 46.725  | ug/l # | 87       |
| 44) Trichloroethene           | 9.359  | 130  | 107606   | 47.812  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 124373   | 49.318  | ug/l   | 96       |
| 46) Dibromomethane            | 9.718  | 93   | 82154    | 47.495  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.894  | 83   | 170562   | 49.936  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.683  | 41   | 139967   | 48.740  | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 48733    | 996.297 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 920282   | 244.843 | ug/l # | 86       |
| 52) Toluene                   | 10.635 | 92   | 288480   | 49.606  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 185415   | 50.620  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 196937   | 49.366  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 11.024 | 97   | 113428   | 48.645  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 187248   | 51.804  | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 204470   | 49.026  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 397917   | 229.336 | ug/l   | 89       |
| 59) 2-Hexanone                | 11.200 | 43   | 696549   | 255.859 | ug/l   | 83       |
| 60) Dibromochloromethane      | 11.365 | 129  | 122592   | 49.961  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.477 | 107  | 118342   | 49.942  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 85882    | 46.389  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.894 | 112  | 301738   | 48.017  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 114257   | 48.112  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.971 | 91   | 552481   | 48.346  | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.076 | 106  | 419438   | 98.170  | ug/l   | 97       |
| 69) o-Xylene                  | 12.406 | 106  | 203305   | 48.916  | ug/l   | 94       |
| 70) Styrene                   | 12.418 | 104  | 349296   | 50.402  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 85562    | 49.558  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 516512   | 45.849  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 257509   | 45.285  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 176224   | 43.323  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 223549   | 68.670  | ug/l   | 67       |
| 77) Bromobenzene              | 12.982 | 156  | 119594   | 44.165  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.041 | 91   | 614247   | 47.020  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 366505   | 45.228  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 416911   | 46.700  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 58908    | 46.226  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 363546   | 45.850  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 335950   | 44.788  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 419890   | 47.500  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.623 | 105  | 474304   | 45.947  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 390069   | 47.296  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.741 | 146  | 213657   | 45.853  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 218339   | 46.816  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 323321   | 47.637  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 72279    | 43.720  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 14.112 | 146  | 214301   | 46.247  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 31744    | 46.925  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 77771    | 47.343  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.512 | 225  | 36148    | 41.075  | ug/l   | 100      |
| 95) Naphthalene               | 15.647 | 128  | 266787   | 43.218  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 84033    | 46.707  | ug/l   | 97       |

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Quant Title : SW846 8260  
QLast Update : Wed Aug 16 02:42:02 2023  
Response via : Initial Calibration

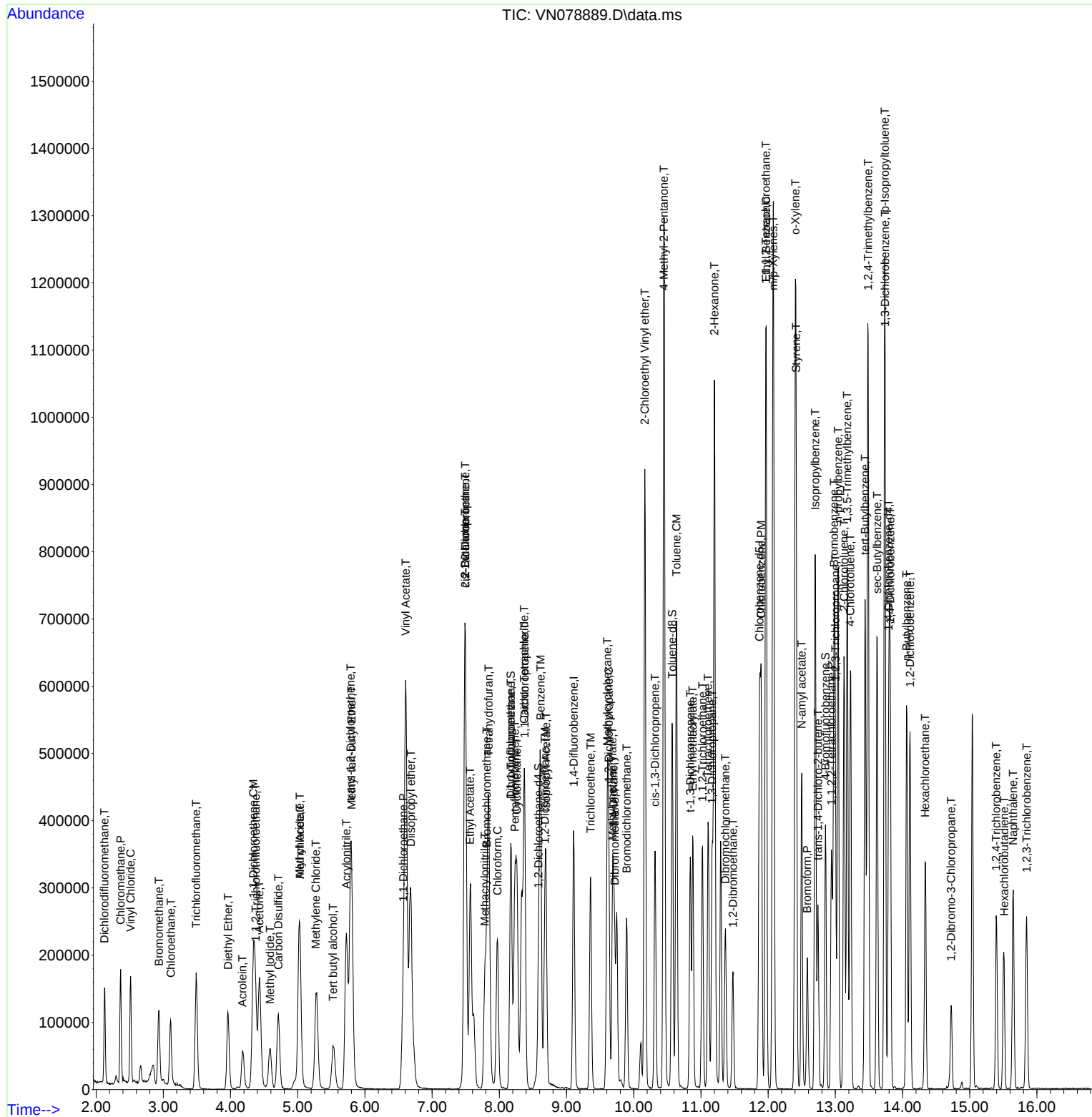
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

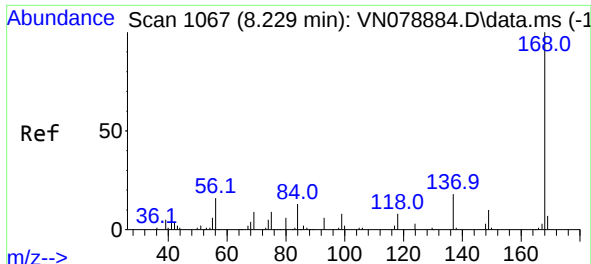
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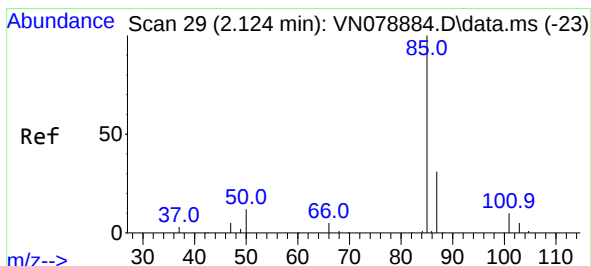
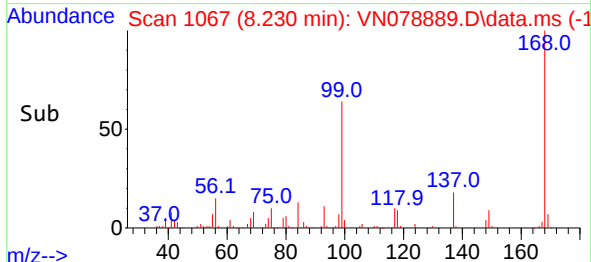
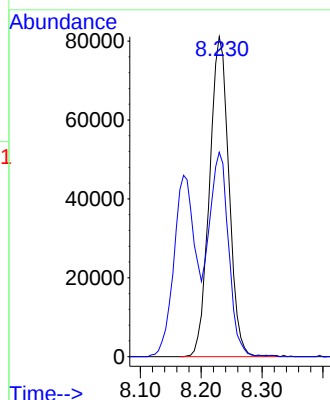
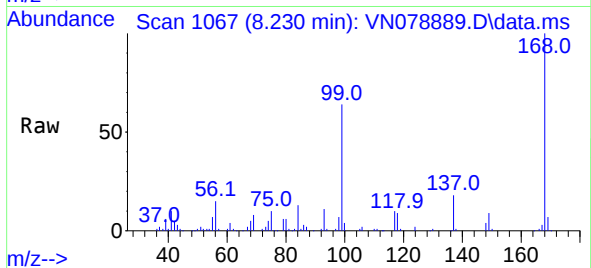




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

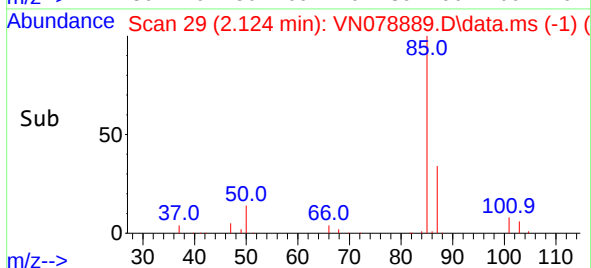
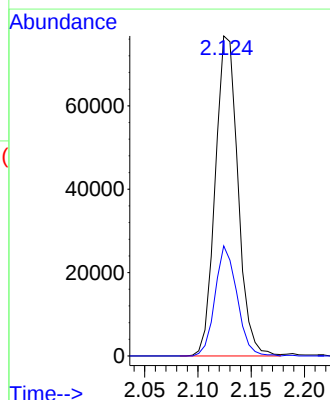
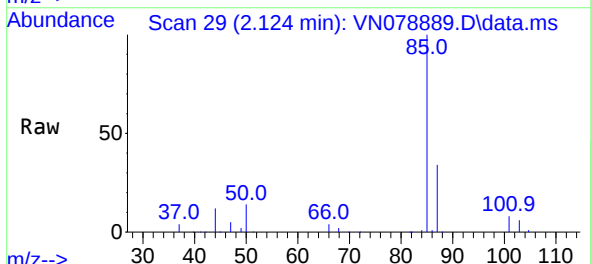
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MSVOA\_N  
ClientSampleId :

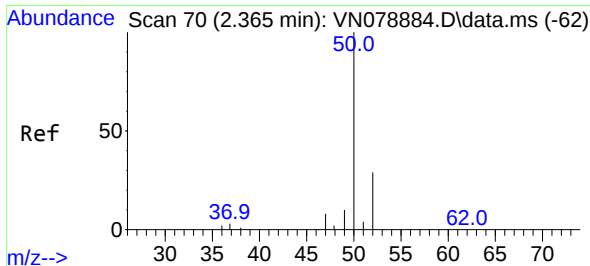
Tgt Ion:168 Resp: 179665  
Ion Ratio Lower Upper  
168 100  
99 63.9 53.0 79.6



#2  
Dichlorodifluoromethane  
Concen: 45.554 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 85 Resp: 113562  
Ion Ratio Lower Upper  
85 100  
87 34.4 15.8 47.4

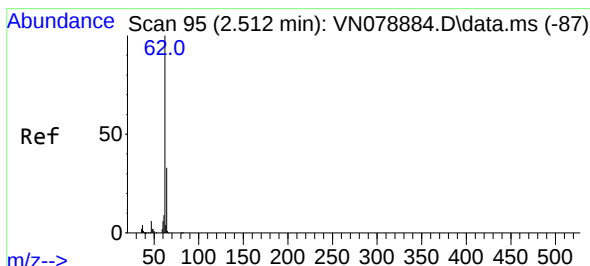
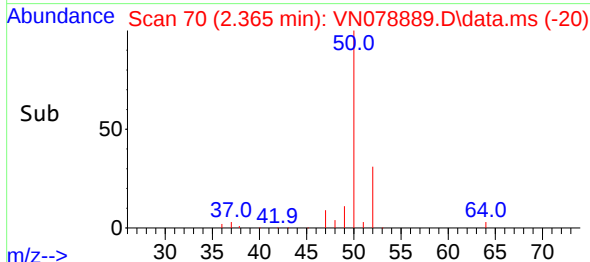
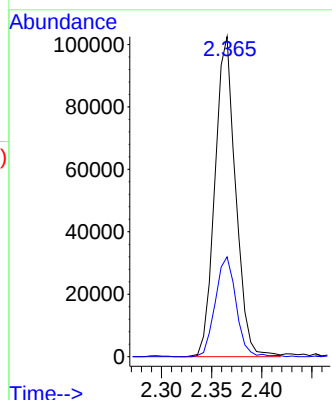
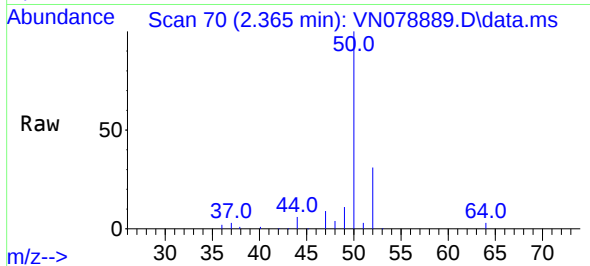




#3  
Chloromethane  
Concen: 42.121 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

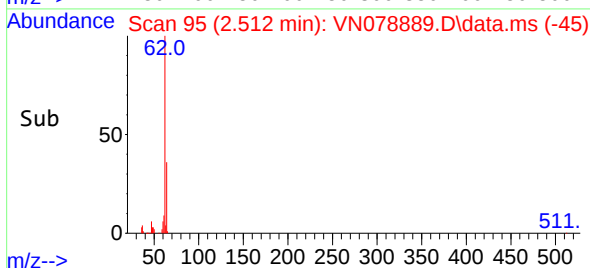
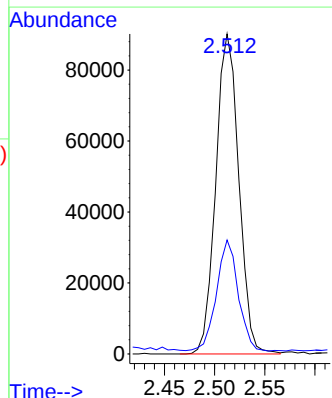
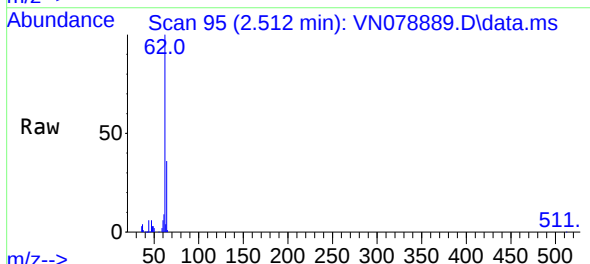
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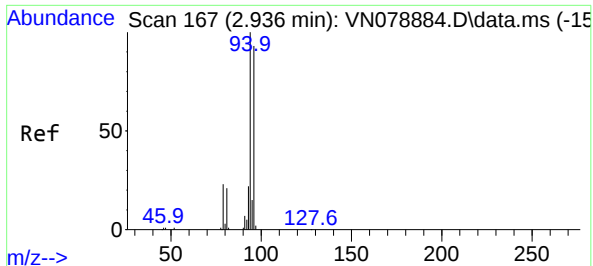
Tgt Ion: 50 Resp: 146609  
Ion Ratio Lower Upper  
50 100  
52 31.2 26.5 39.7



#4  
Vinyl Chloride  
Concen: 47.059 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 62 Resp: 143646  
Ion Ratio Lower Upper  
62 100  
64 34.5 26.2 39.2

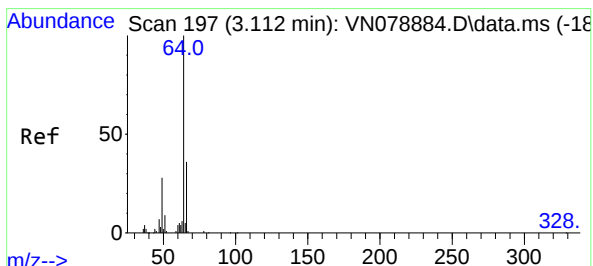
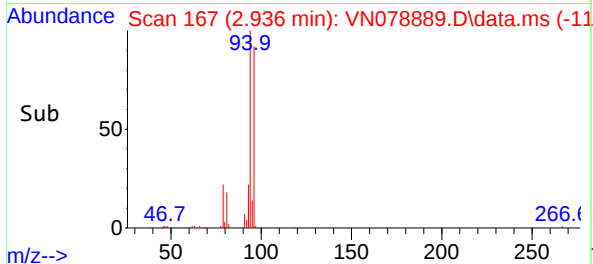
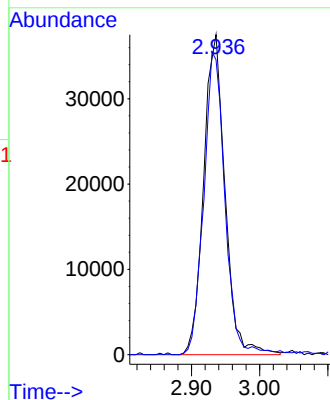
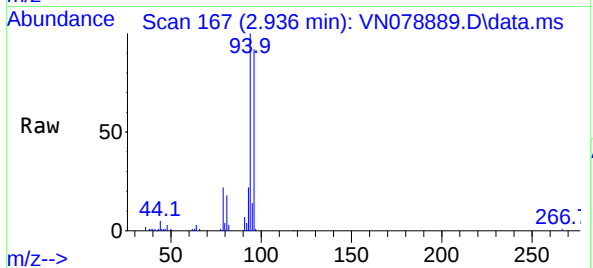




#5  
Bromomethane  
Concen: 46.560 ug/l  
RT: 2.936 min Scan# 167  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

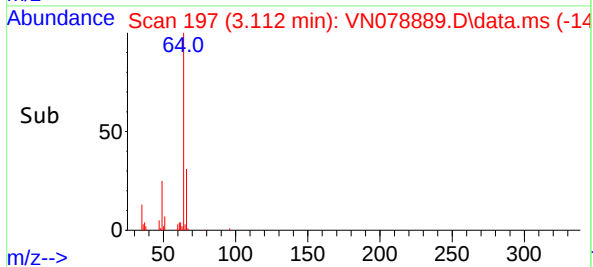
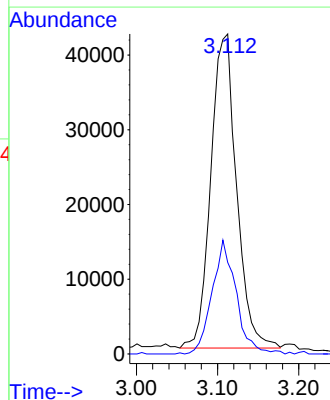
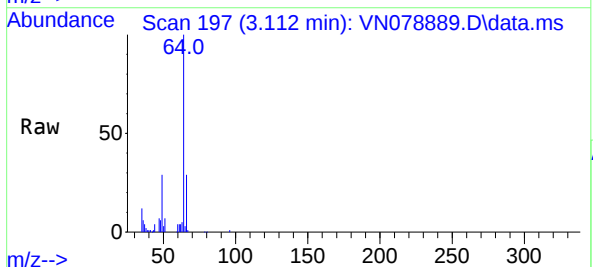
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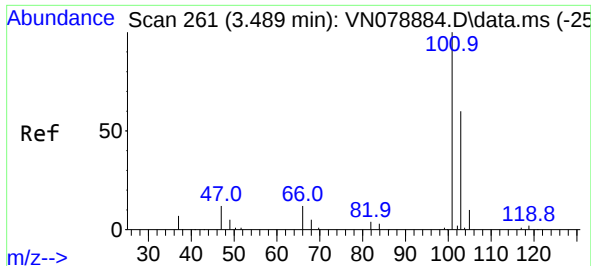
Tgt Ion: 94 Resp: 81599  
Ion Ratio Lower Upper  
94 100  
96 92.2 73.1 109.7



#6  
Chloroethane  
Concen: 43.476 ug/l  
RT: 3.112 min Scan# 197  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 64 Resp: 92774  
Ion Ratio Lower Upper  
64 100  
66 28.8 25.4 38.2

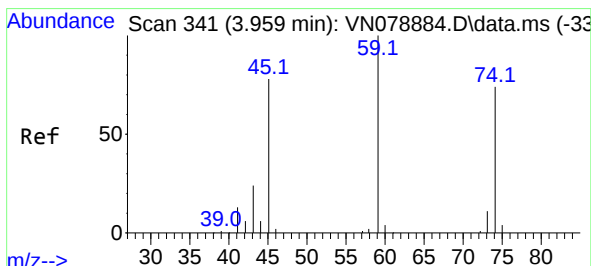
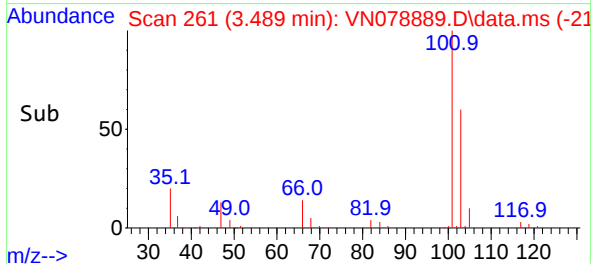
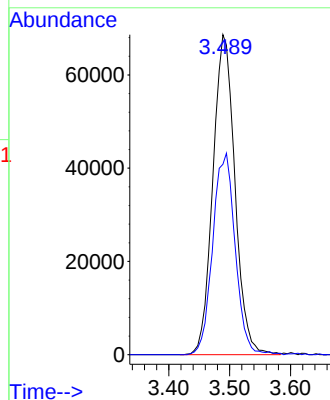
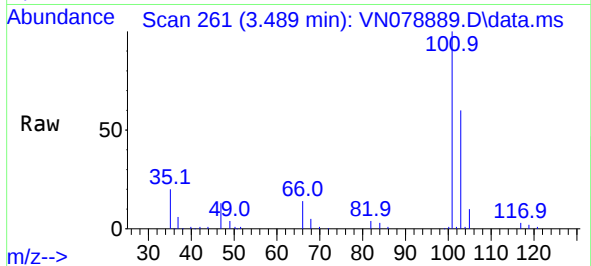




#7  
Trichlorofluoromethane  
Concen: 46.482 ug/l  
RT: 3.489 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

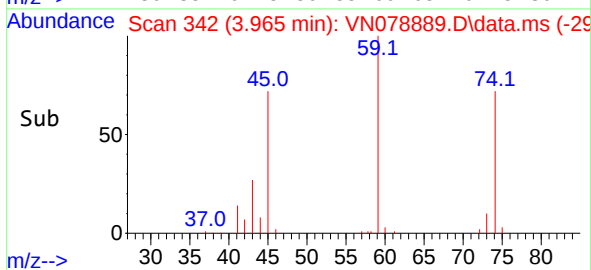
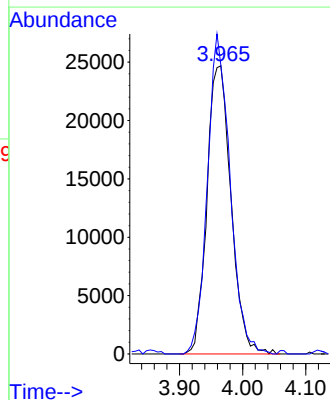
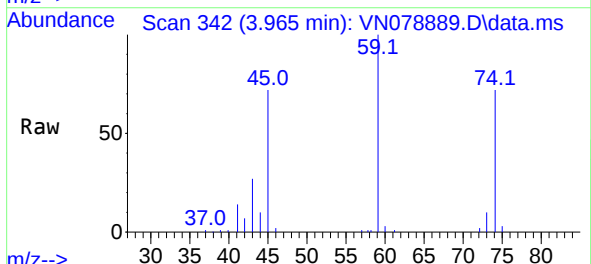
Instrument :  
MSVOA\_N  
ClientSampleId :

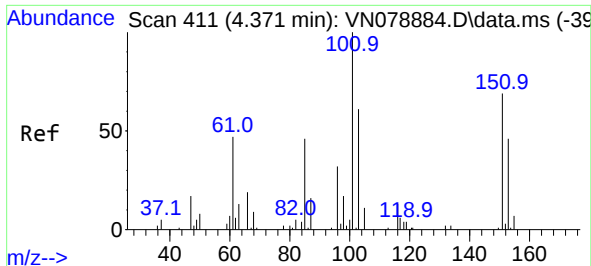
Tgt Ion:101 Resp: 172813  
Ion Ratio Lower Upper  
101 100  
103 59.5 50.7 76.1



#8  
Diethyl Ether  
Concen: 46.374 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 74 Resp: 65362  
Ion Ratio Lower Upper  
74 100  
45 104.6 34.4 103.3#

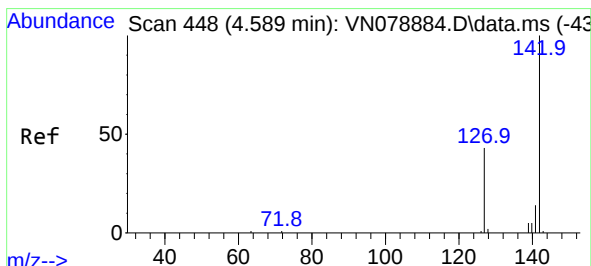
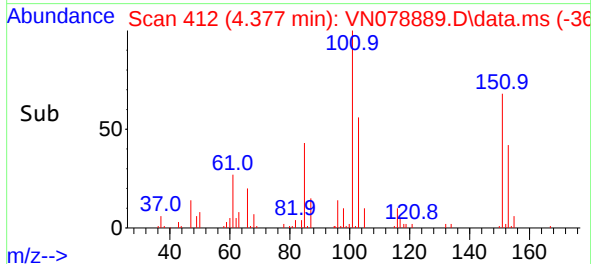
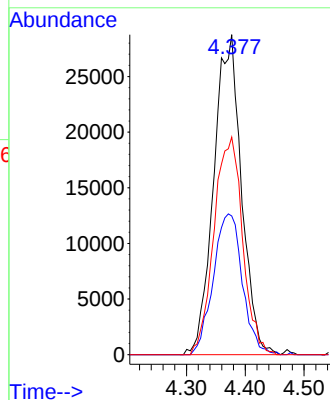
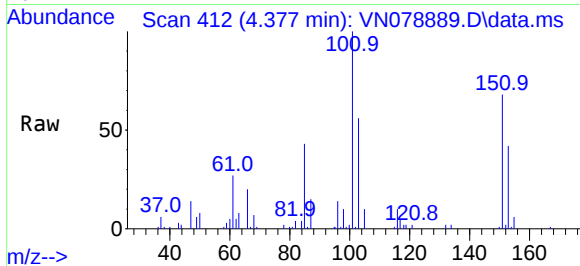




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.476 ug/l  
RT: 4.377 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

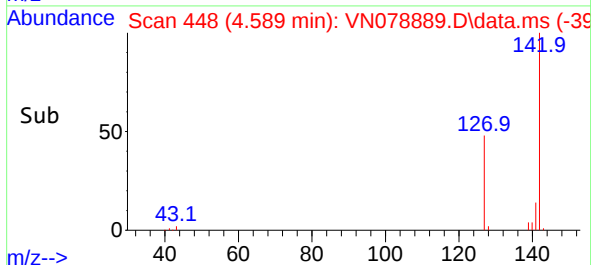
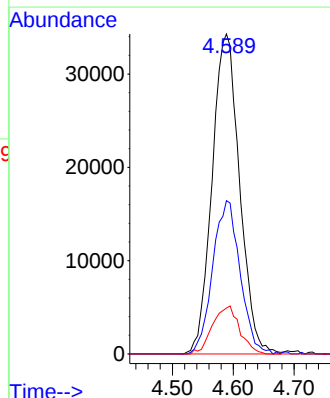
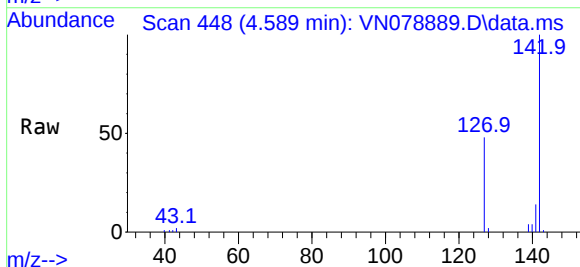
Instrument :  
MSVOA\_N  
ClientSampleId :

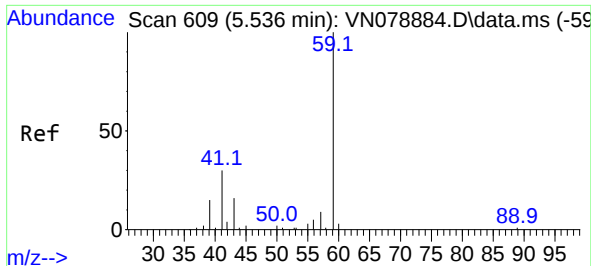
Tgt Ion:101 Resp: 94009  
Ion Ratio Lower Upper  
101 100  
85 46.3 36.6 55.0  
151 70.3 57.6 86.4



#10  
Methyl Iodide  
Concen: 48.567 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.011 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

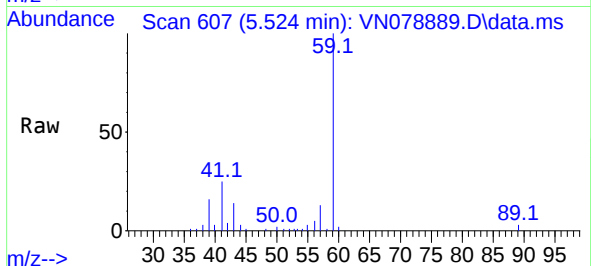
Tgt Ion:142 Resp: 107599  
Ion Ratio Lower Upper  
142 100  
127 47.9 37.6 56.4  
141 14.3 11.4 17.0



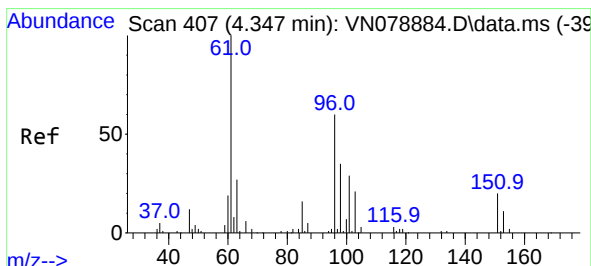
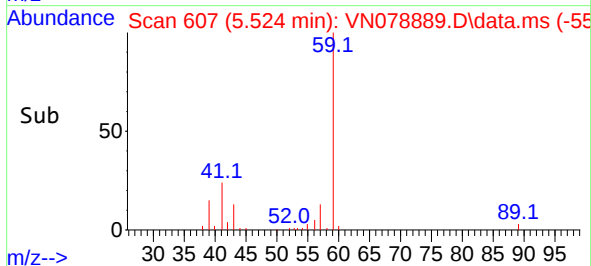
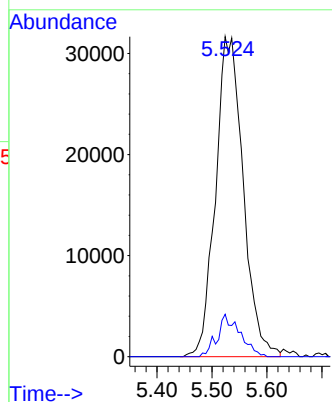


#11  
Tert butyl alcohol  
Concen: 235.909 ug/l  
RT: 5.524 min Scan# 609  
Delta R.T. -0.018 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

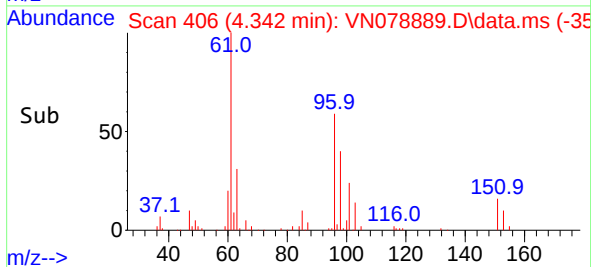
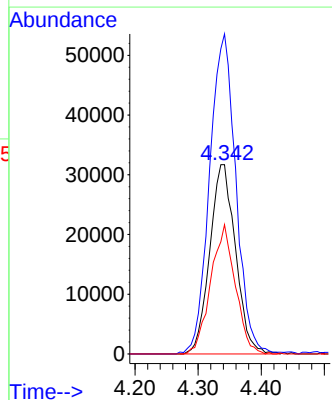
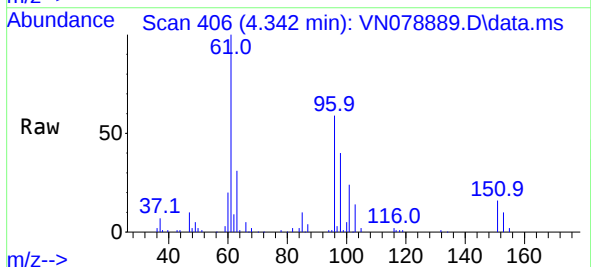


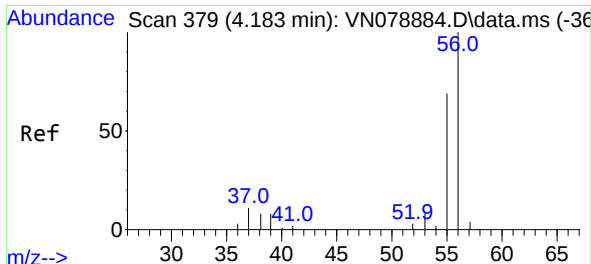
Tgt Ion: 59 Resp: 110672  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.2 12.4



#12  
1,1-Dichloroethene  
Concen: 46.603 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

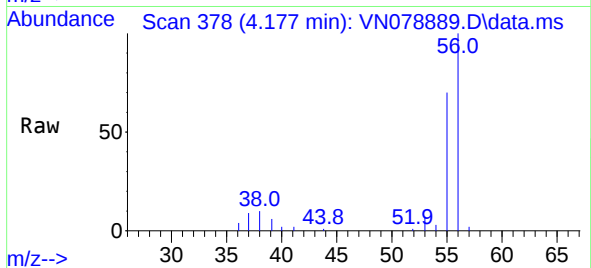
Tgt Ion: 96 Resp: 89890  
Ion Ratio Lower Upper  
96 100  
61 168.1 112.7 169.1  
98 68.3 51.2 76.8



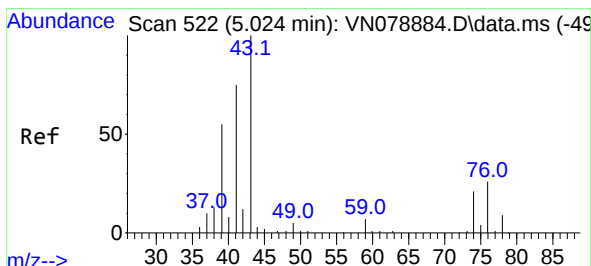
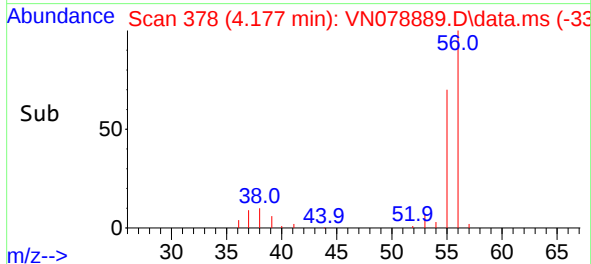
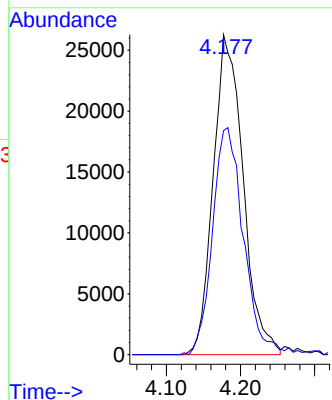


#13  
Acrolein  
Concen: 310.467 ug/l  
RT: 4.177 min Scan# 31  
Delta R.T. -0.018 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

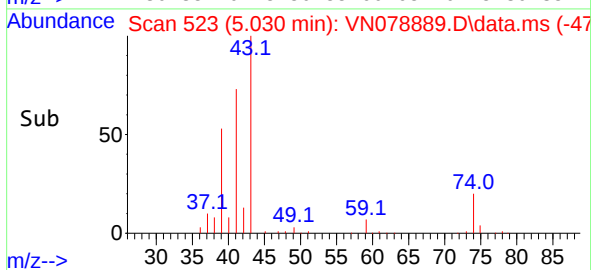
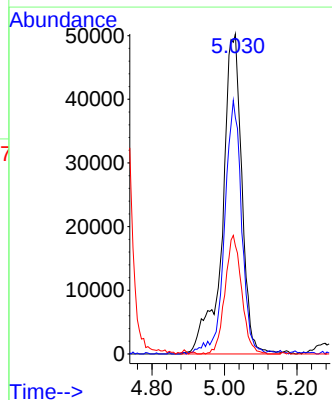
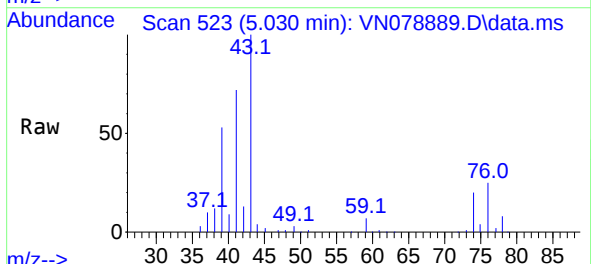


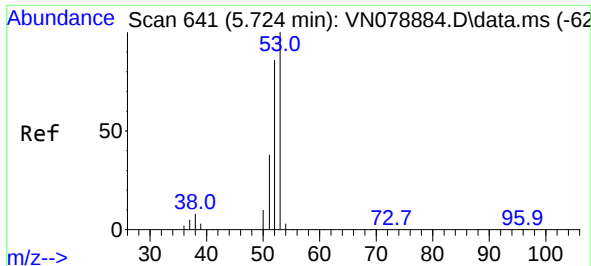
Tgt Ion: 56 Resp: 73586  
Ion Ratio Lower Upper  
56 100  
55 73.5 54.5 81.7



#14  
Allyl chloride  
Concen: 48.846 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

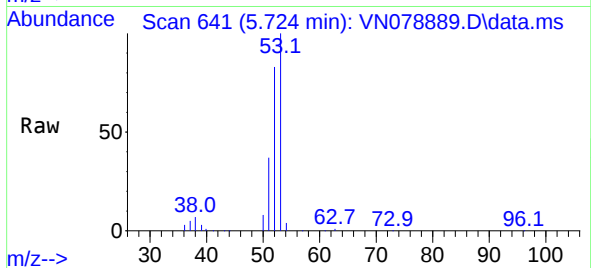
Tgt Ion: 41 Resp: 187517  
Ion Ratio Lower Upper  
41 100  
39 69.3 58.8 88.2  
76 31.6 39.1 58.7#



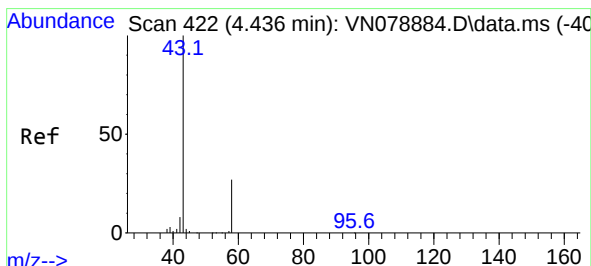
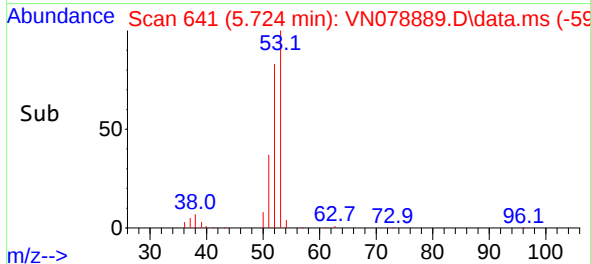
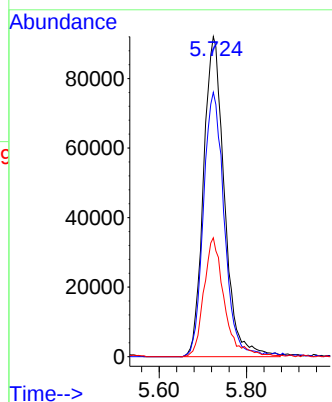


#15  
Acrylonitrile  
Concen: 240.555 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

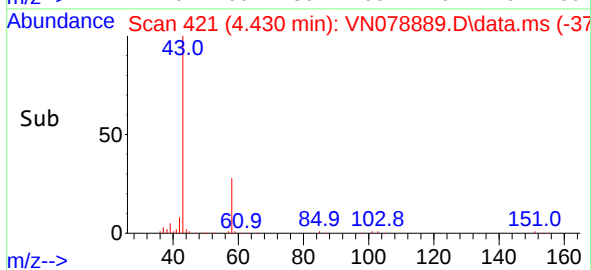
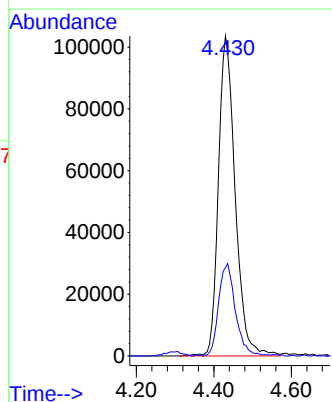
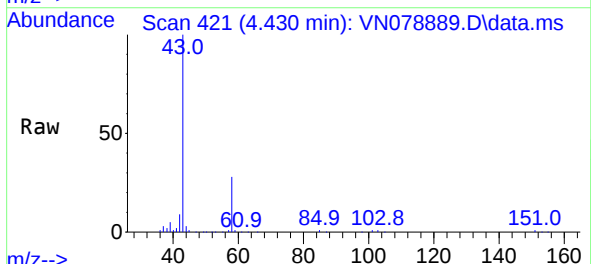


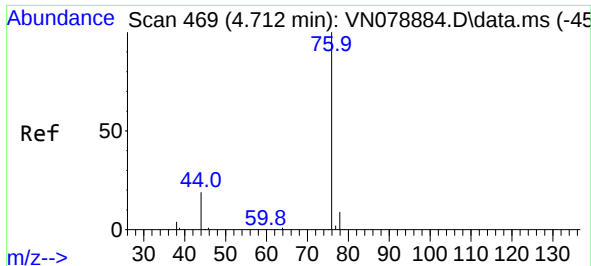
Tgt Ion: 53 Resp: 305721  
Ion Ratio Lower Upper  
53 100  
52 82.3 65.3 97.9  
51 36.5 28.9 43.3



#16  
Acetone  
Concen: 269.452 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 43 Resp: 310831  
Ion Ratio Lower Upper  
43 100  
58 27.4 28.0 42.0#

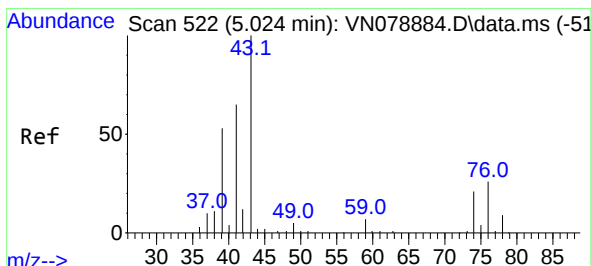
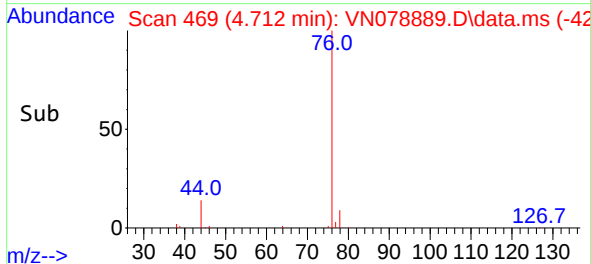
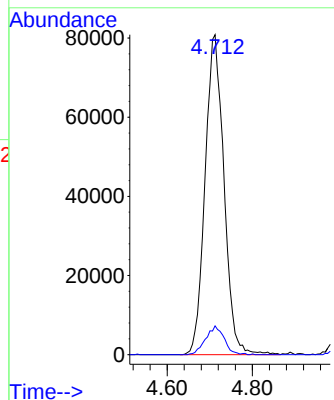
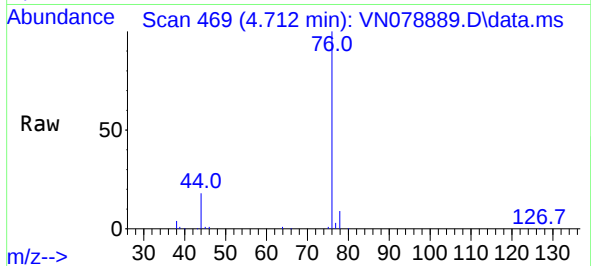




#17  
Carbon Disulfide  
Concen: 46.057 ug/l  
RT: 4.712 min Scan# 469  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

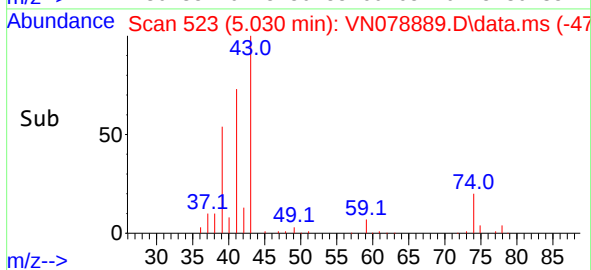
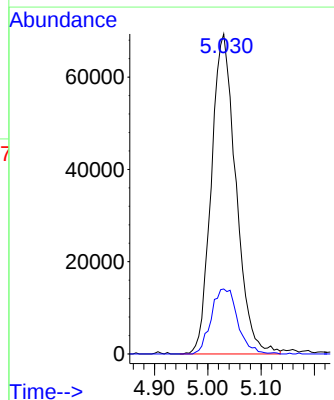
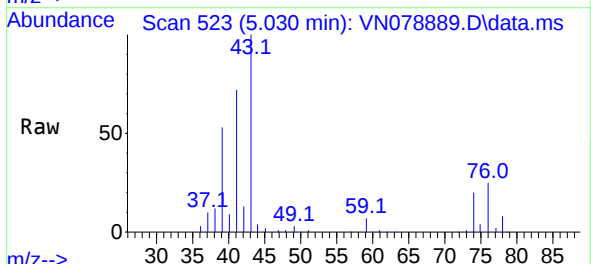
Instrument :  
MSVOA\_N  
ClientSampleId :

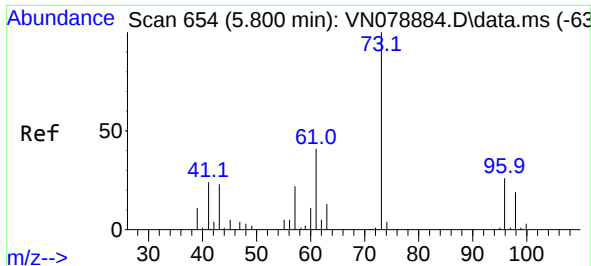
Tgt Ion: 76 Resp: 248673  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 45.595 ug/l  
RT: 5.030 min Scan# 523  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 43 Resp: 222194  
Ion Ratio Lower Upper  
43 100  
74 21.7 26.2 39.4#

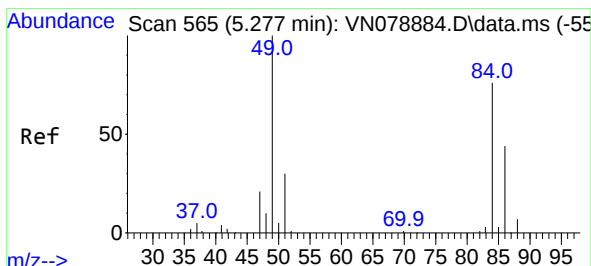
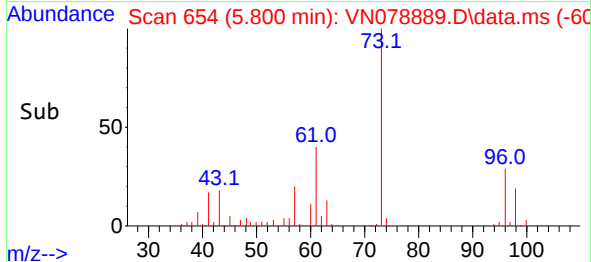
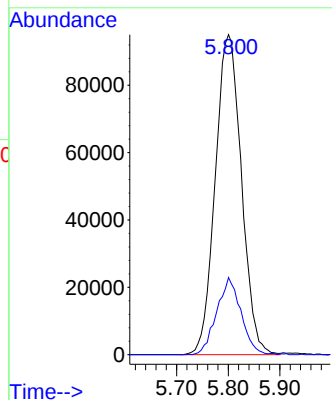
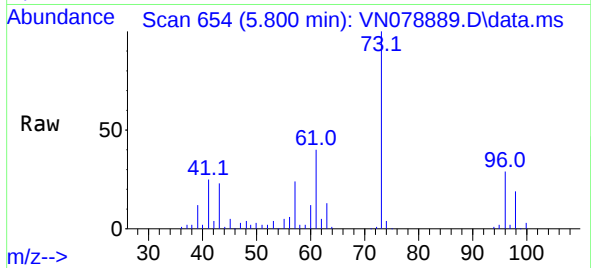




#19  
Methyl tert-butyl Ether  
Concen: 48.105 ug/l  
RT: 5.800 min Scan# 61  
Delta R.T. -0.018 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

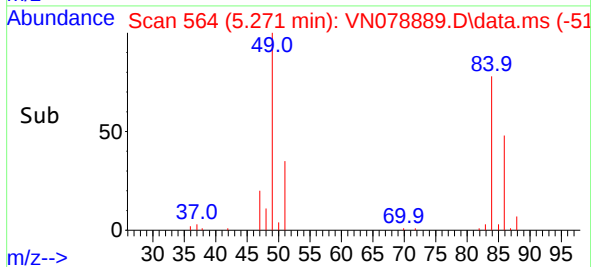
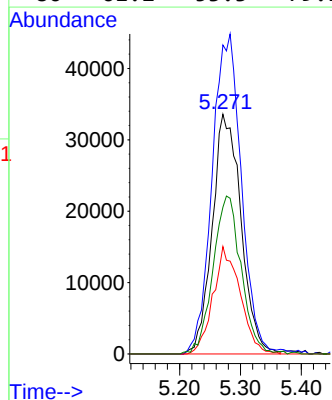
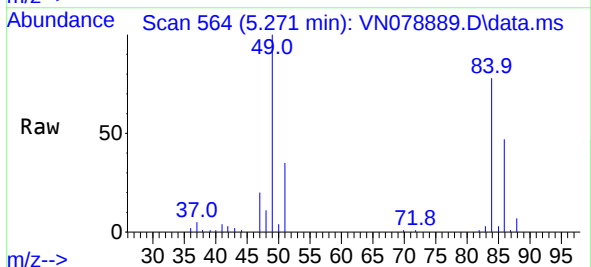
Instrument :  
MSVOA\_N  
ClientSampleId :

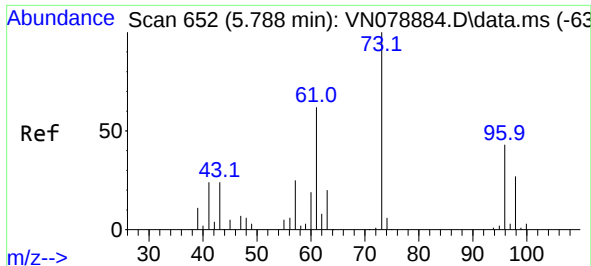
Tgt Ion: 73 Resp: 334240  
Ion Ratio Lower Upper  
73 100  
57 24.1 15.6 23.4#



#20  
Methylene Chloride  
Concen: 44.766 ug/l  
RT: 5.271 min Scan# 564  
Delta R.T. -0.012 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

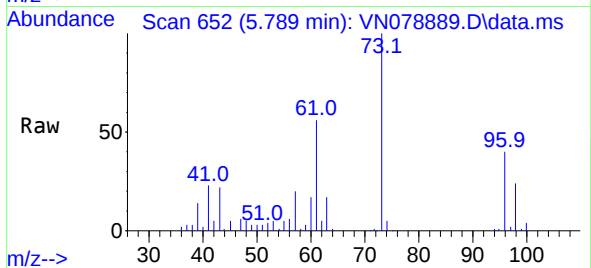
Tgt Ion: 84 Resp: 110050  
Ion Ratio Lower Upper  
84 100  
49 128.9 79.7 119.5#  
51 44.8 25.2 37.8#  
86 61.2 53.3 79.9



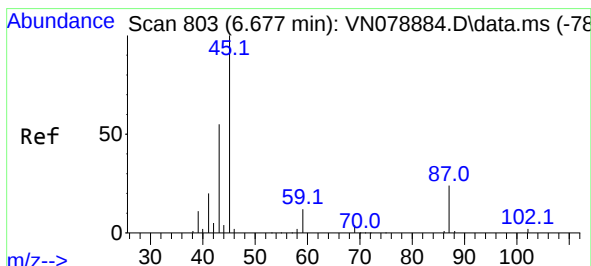
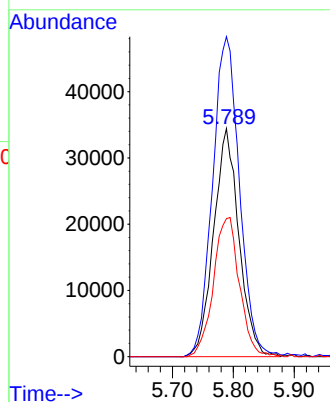
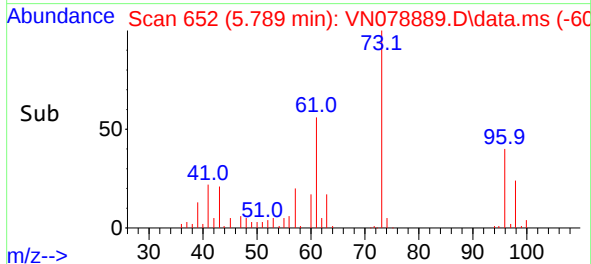


#21  
trans-1,2-Dichloroethene  
Concen: 45.945 ug/l  
RT: 5.789 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

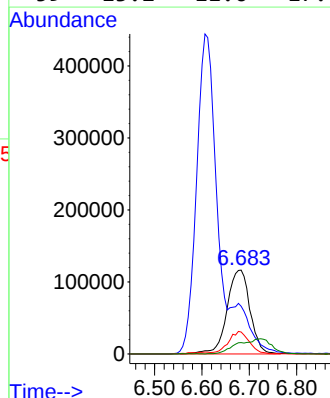
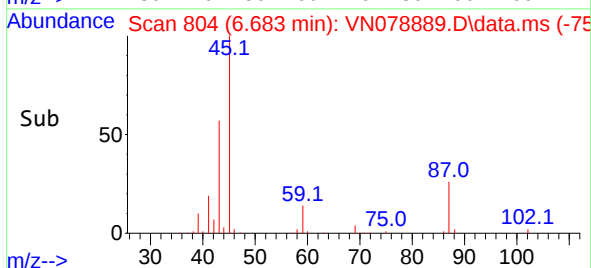
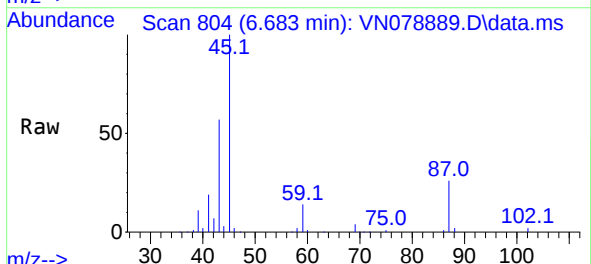


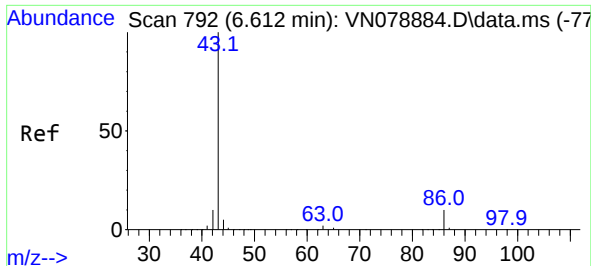
Tgt Ion: 96 Resp: 99375  
Ion Ratio Lower Upper  
96 100  
61 140.2 90.1 135.1#  
98 60.5 46.4 69.6



#22  
Diisopropyl ether  
Concen: 48.281 ug/l  
RT: 6.683 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 45 Resp: 392111  
Ion Ratio Lower Upper  
45 100  
43 54.5 45.5 68.3  
87 25.9 31.8 47.8#  
59 13.2 11.6 17.4

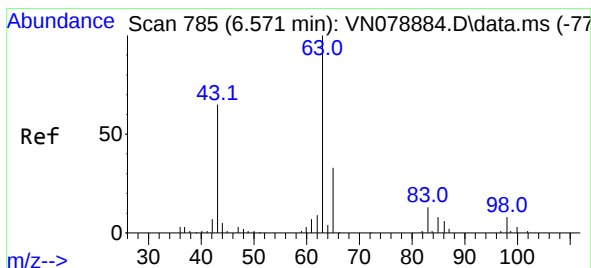
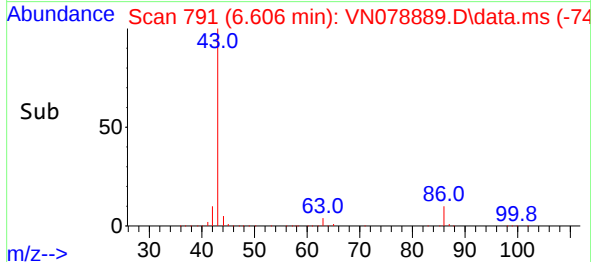
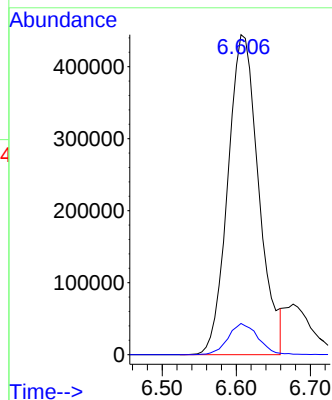
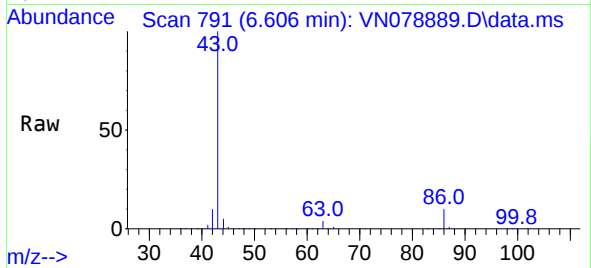




#23  
 Vinyl Acetate  
 Concen: 240.343 ug/l  
 RT: 6.606 min Scan# 791  
 Delta R.T. -0.006 min  
 Lab File: VN078889.D  
 Acq: 15 Aug 2023 15:08

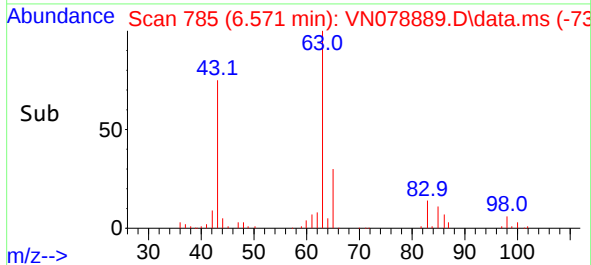
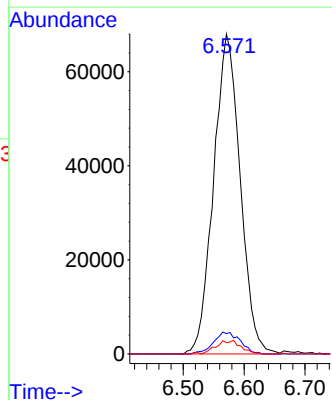
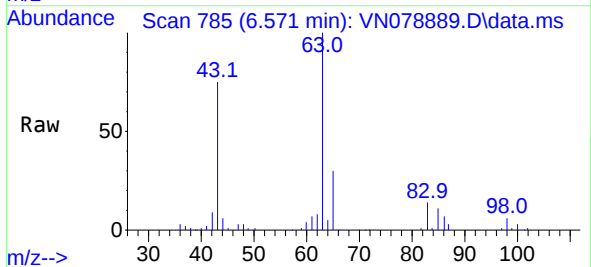
Instrument :  
 MSVOA\_N  
 ClientSampleId :

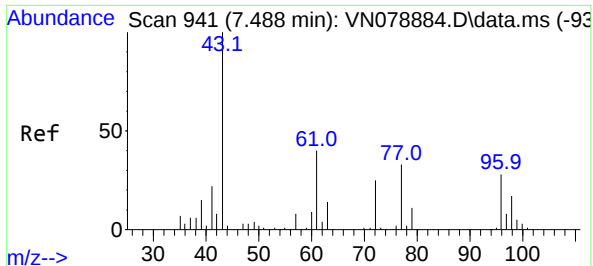
Tgt Ion: 43 Resp: 1285223  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 13.0 19.6#



#24  
 1,1-Dichloroethane  
 Concen: 46.496 ug/l  
 RT: 6.571 min Scan# 785  
 Delta R.T. -0.006 min  
 Lab File: VN078889.D  
 Acq: 15 Aug 2023 15:08

Tgt Ion: 63 Resp: 206288  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 3.9 11.7  
 100 3.5 2.5 7.4

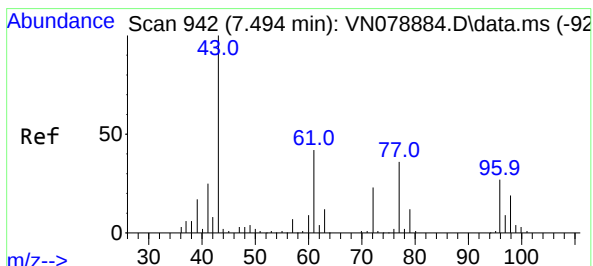
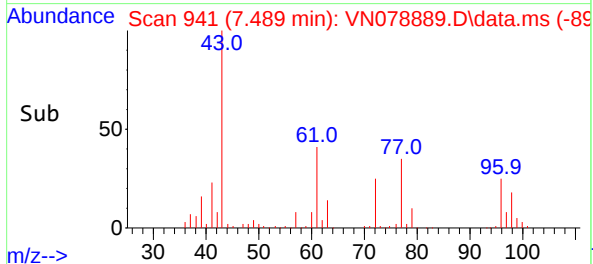
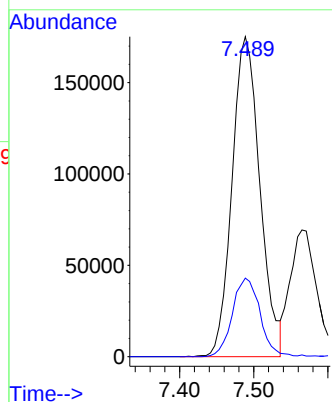
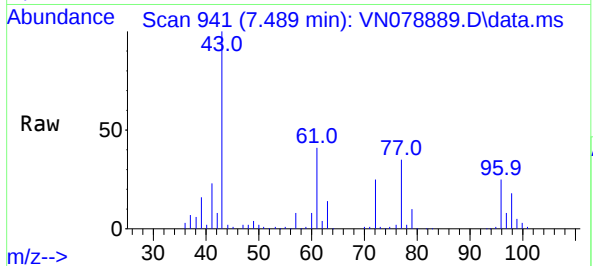




#25  
2-Butanone  
Concen: 247.262 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. -0.005 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

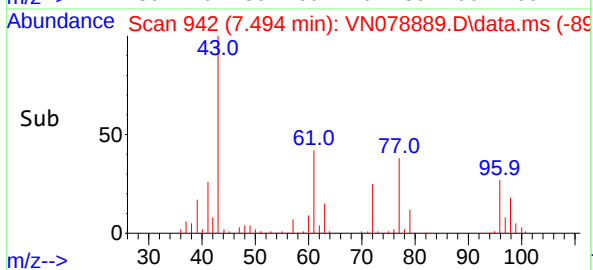
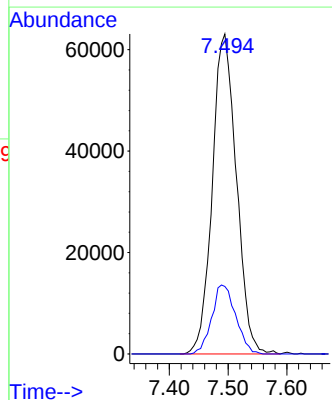
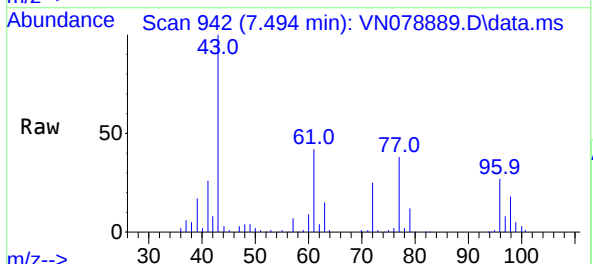
Instrument :  
MSVOA\_N  
ClientSampleId :

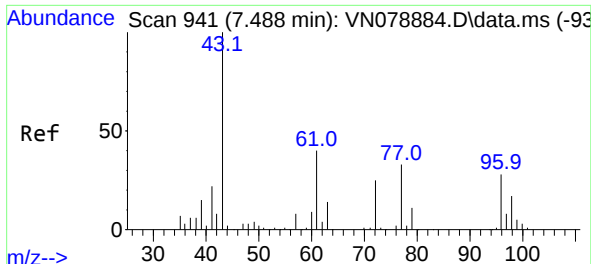
Tgt Ion: 43 Resp: 457306  
Ion Ratio Lower Upper  
43 100  
72 24.5 30.2 45.2#



#26  
2,2-Dichloropropane  
Concen: 50.085 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 77 Resp: 179619  
Ion Ratio Lower Upper  
77 100  
97 21.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.835 ug/l

RT: 7.494 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

ClientSampleId :

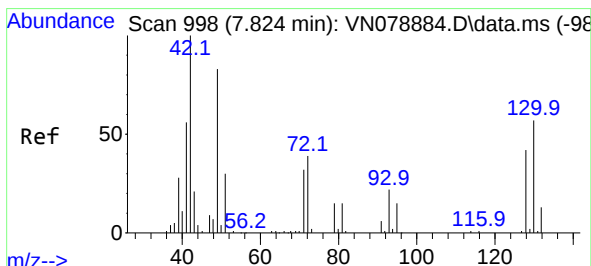
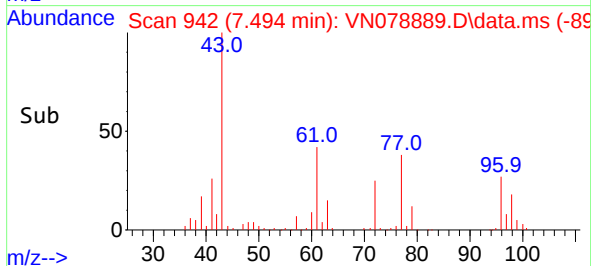
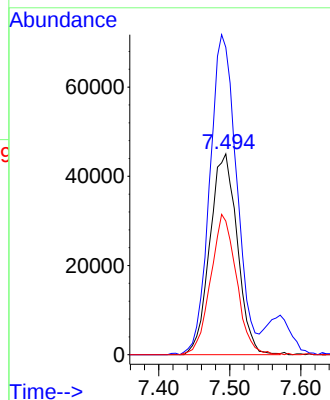
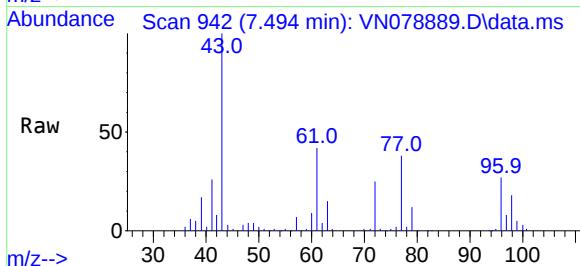
Tgt Ion: 96 Resp: 120496

Ion Ratio Lower Upper

96 100

61 157.0 0.0 255.2

98 66.1 0.0 128.8



#28

Bromochloromethane

Concen: 55.204 ug/l

RT: 7.812 min Scan# 996

Delta R.T. -0.012 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

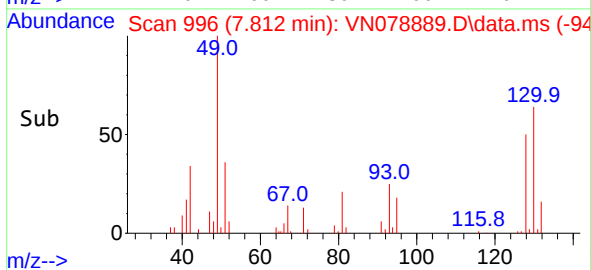
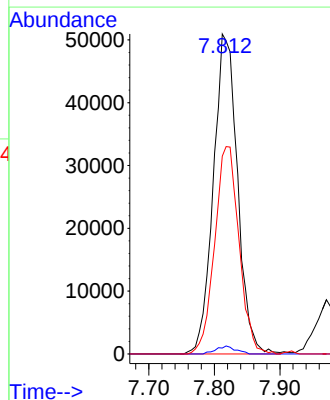
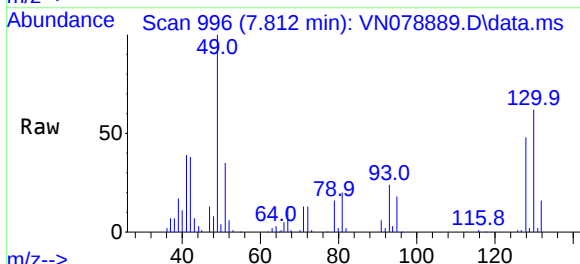
Tgt Ion: 49 Resp: 129925

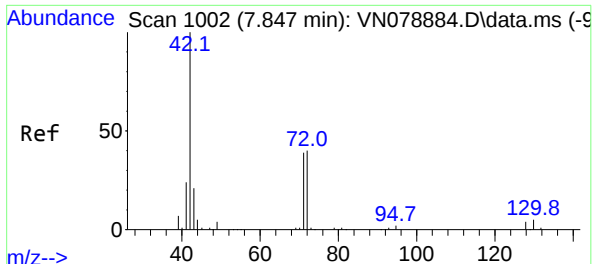
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.8

130 65.4 75.3 112.9#

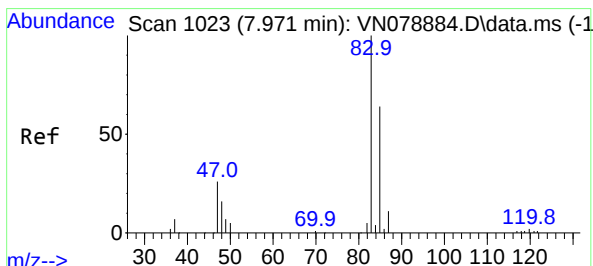
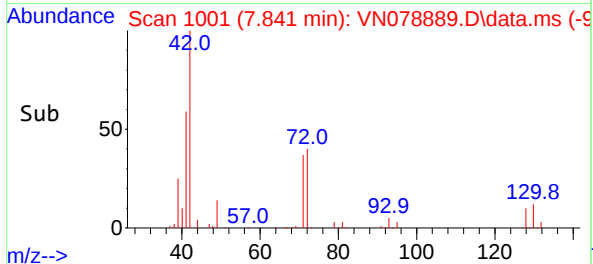
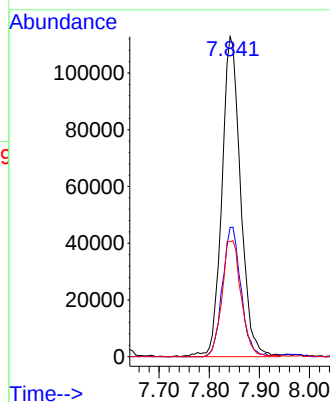
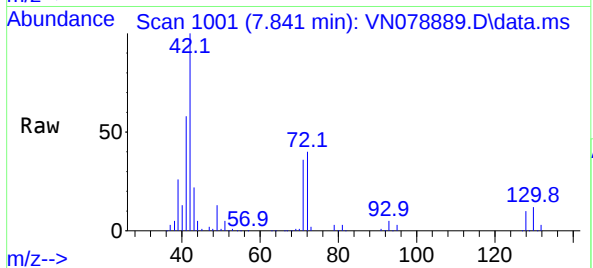




#29  
Tetrahydrofuran  
Concen: 238.889 ug/l  
RT: 7.841 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

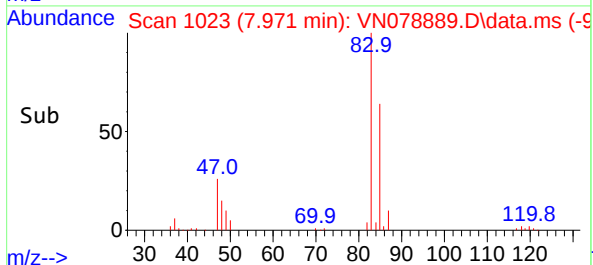
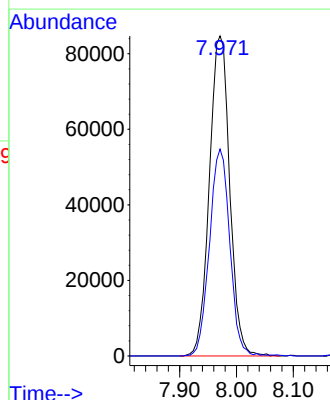
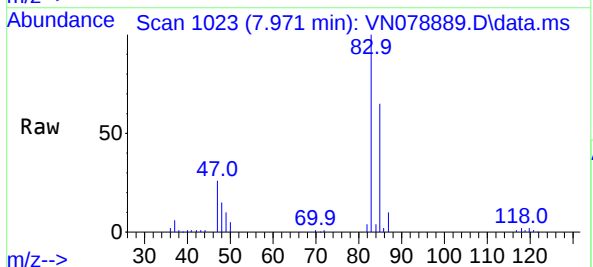
Instrument :  
MSVOA\_N  
ClientSampleId :

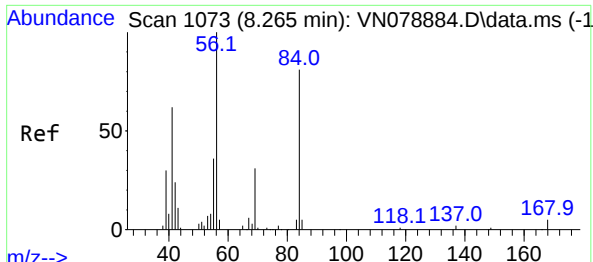
Tgt Ion: 42 Resp: 292438  
Ion Ratio Lower Upper  
42 100  
72 40.1 49.8 74.6#  
71 37.1 47.4 71.2#



#30  
Chloroform  
Concen: 47.489 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

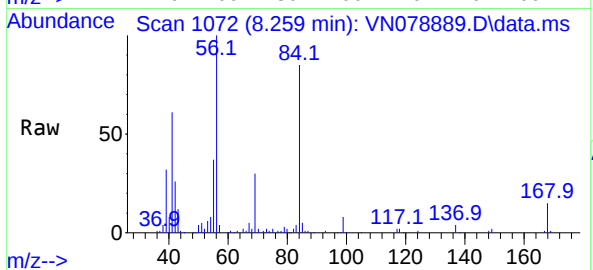
Tgt Ion: 83 Resp: 210493  
Ion Ratio Lower Upper  
83 100  
85 64.6 55.4 83.0



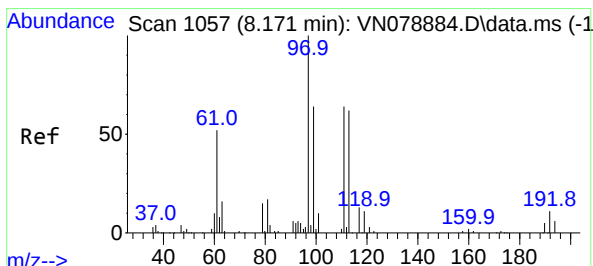
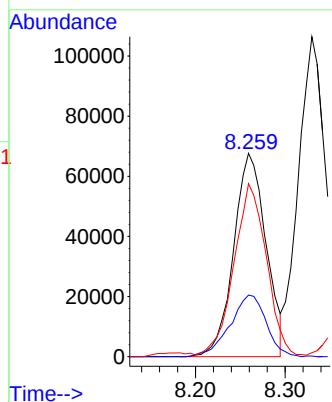
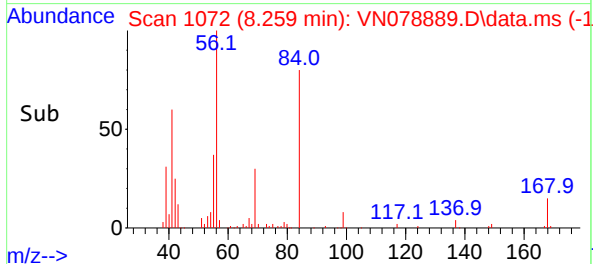


#31  
Cyclohexane  
Concen: 48.455 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

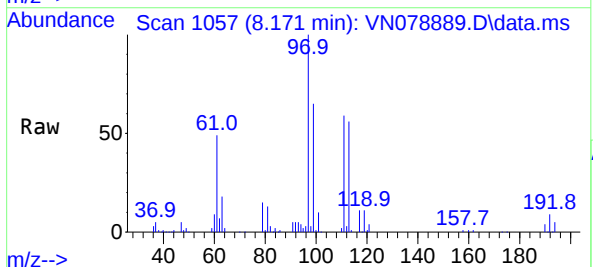
Instrument :  
MSVOA\_N  
ClientSampleId :



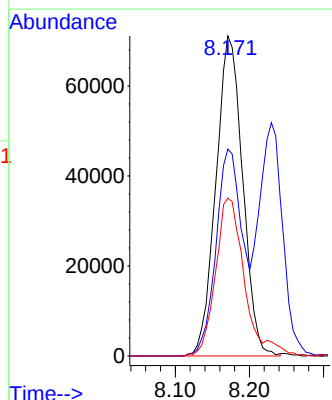
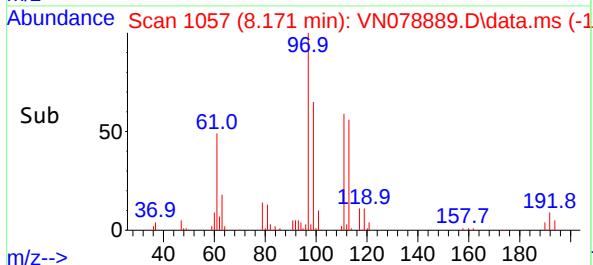
Tgt Ion: 56 Resp: 169226  
Ion Ratio Lower Upper  
56 100  
69 30.3 26.8 40.2  
84 83.2 81.8 122.6

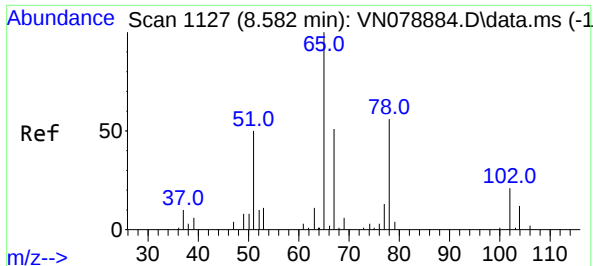


#32  
1,1,1-Trichloroethane  
Concen: 47.189 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08



Tgt Ion: 97 Resp: 178349  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.3 75.5  
61 53.2 34.7 52.1

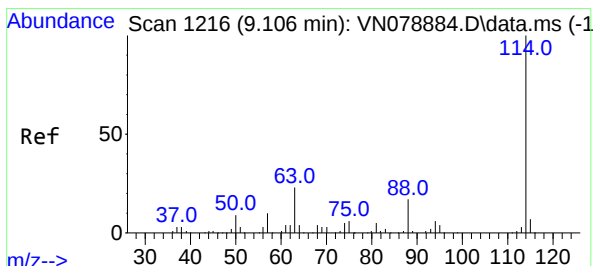
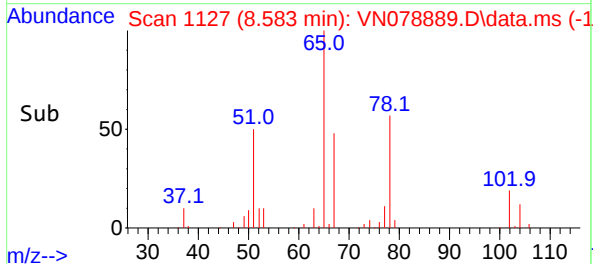
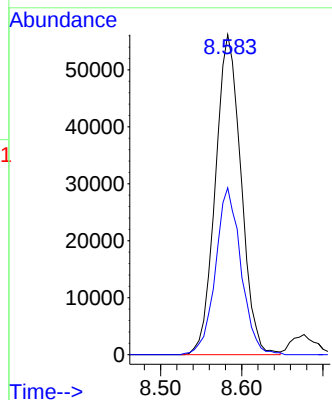
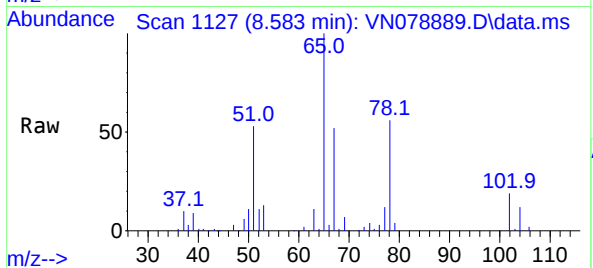




#33  
1,2-Dichloroethane-d4  
Concen: 44.149 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

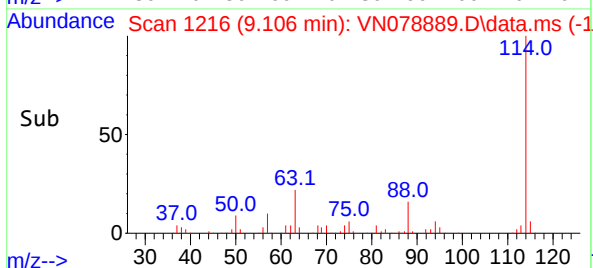
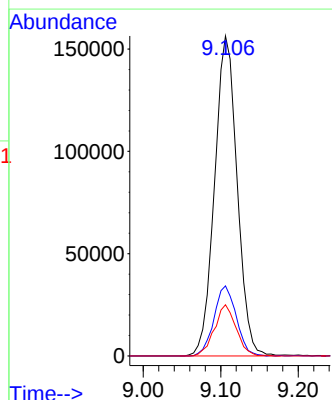
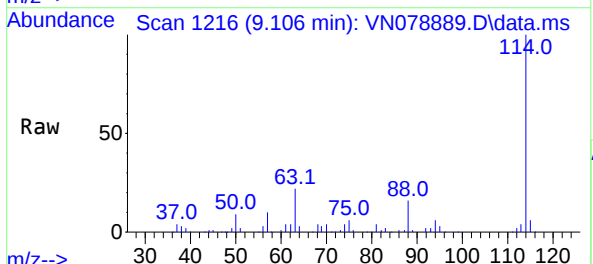
Instrument :  
MSVOA\_N  
ClientSampleId :

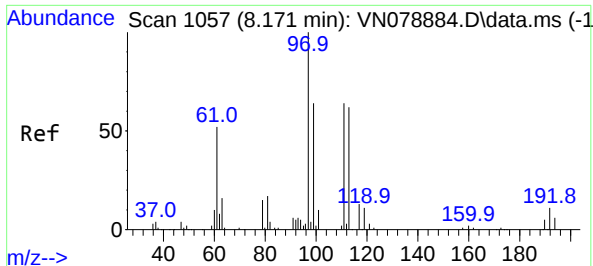
Tgt Ion: 65 Resp: 123430  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 106.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

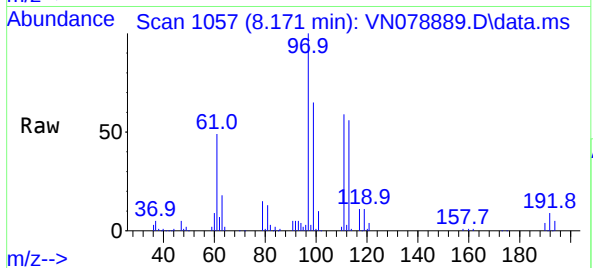
Tgt Ion: 114 Resp: 316474  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 36.4  
88 16.0 0.0 30.6



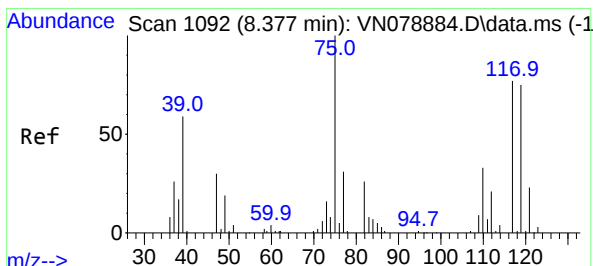
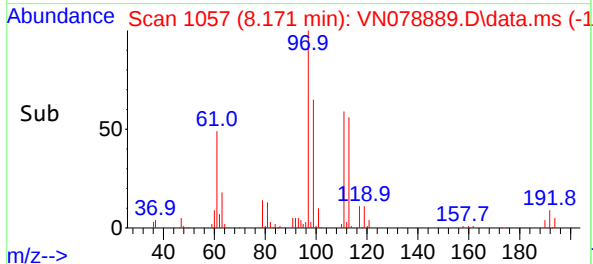
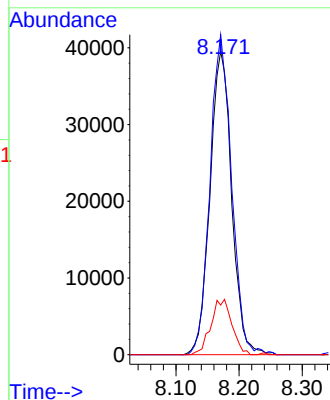


#35  
Dibromofluoromethane  
Concen: 44.219 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

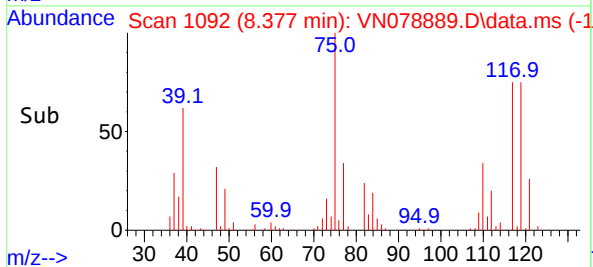
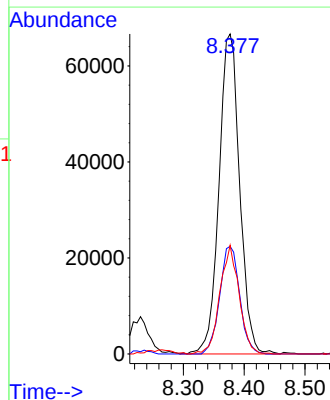
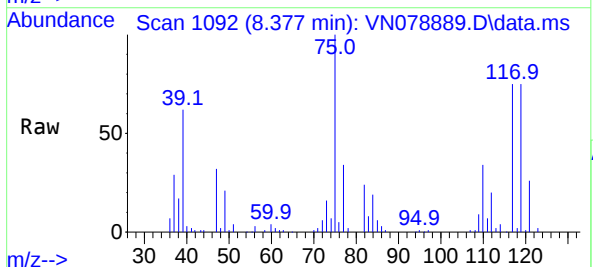


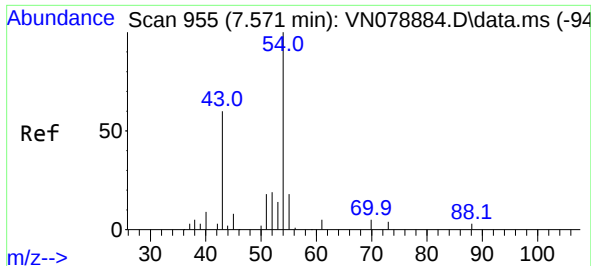
Tgt Ion:113 Resp: 94201  
Ion Ratio Lower Upper  
113 100  
111 105.1 82.6 123.8  
192 17.7 12.7 19.1



#36  
1,1-Dichloropropene  
Concen: 49.061 ug/l  
RT: 8.377 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 75 Resp: 157220  
Ion Ratio Lower Upper  
75 100  
110 32.4 19.1 57.3  
77 31.6 25.0 37.4





#37

Ethyl Acetate

Concen: 49.229 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

ClientSampleId :

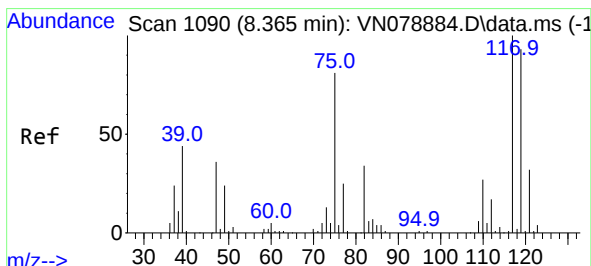
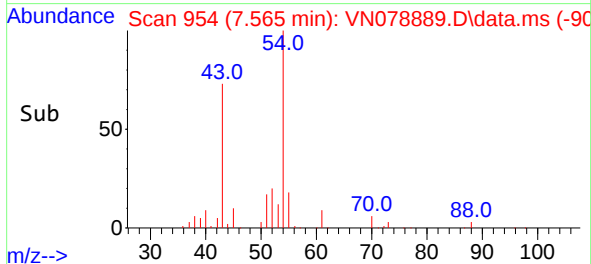
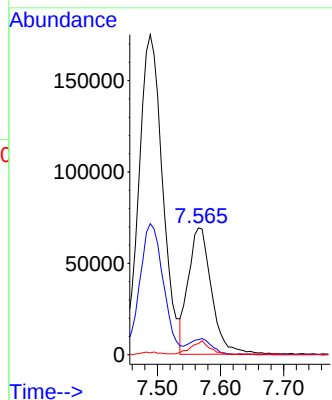
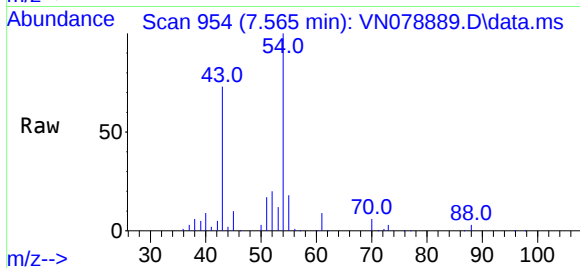
Tgt Ion: 43 Resp: 176509

Ion Ratio Lower Upper

43 100

61 12.1 13.2 19.8#

70 9.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 48.311 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

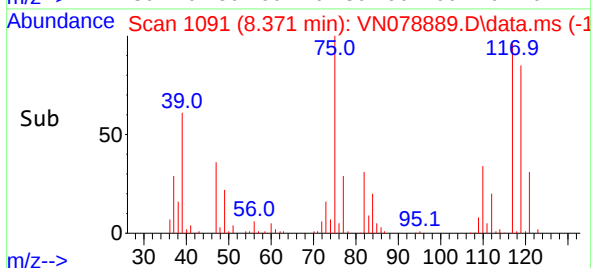
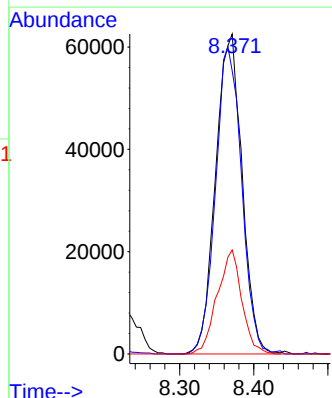
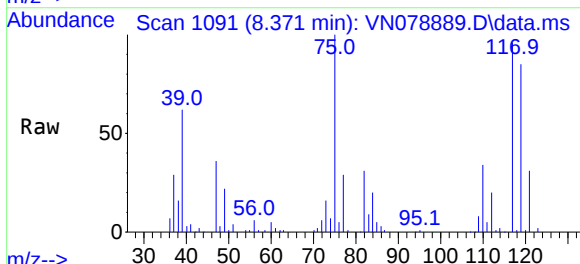
Tgt Ion: 117 Resp: 155122

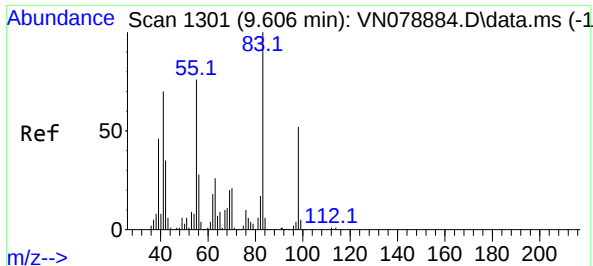
Ion Ratio Lower Upper

117 100

119 88.4 77.3 115.9

121 32.5 23.3 34.9





#39

Methylcyclohexane

Concen: 47.153 ug/l

RT: 9.606 min Scan# 11301

Delta R.T. 0.000 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

ClientSampleId :

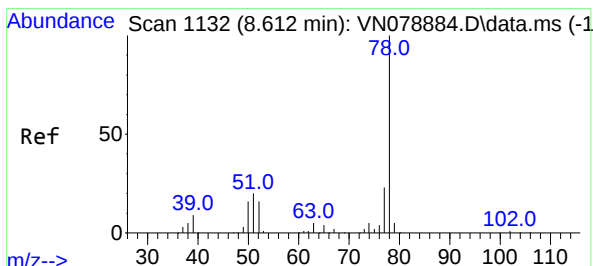
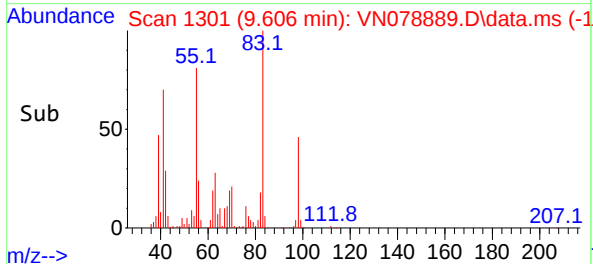
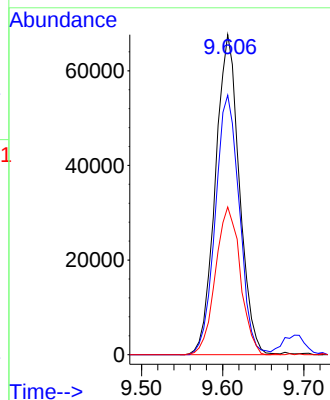
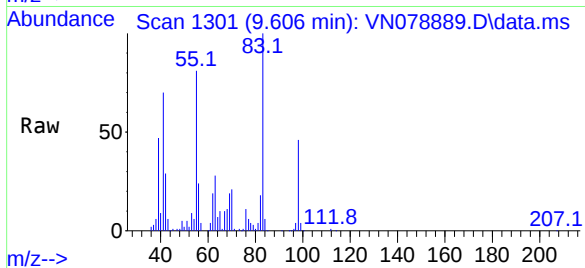
Tgt Ion: 83 Resp: 138970

Ion Ratio Lower Upper

83 100

55 81.1 49.1 73.7#

98 46.2 40.6 61.0



#40

Benzene

Concen: 48.931 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN078889.D

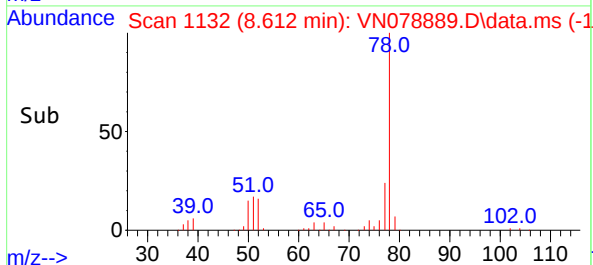
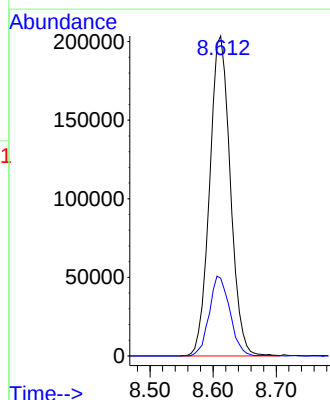
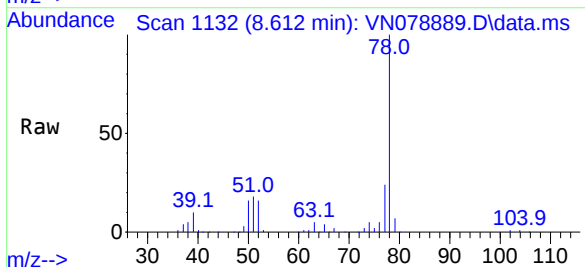
Acq: 15 Aug 2023 15:08

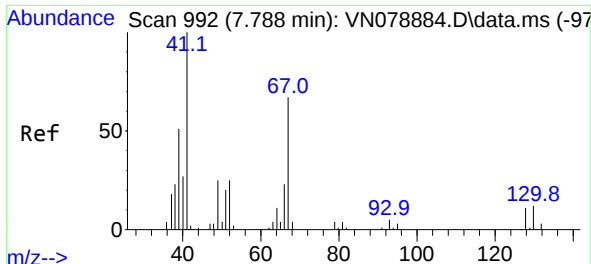
Tgt Ion: 78 Resp: 463470

Ion Ratio Lower Upper

78 100

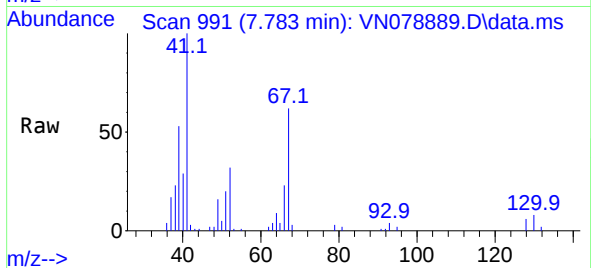
77 24.3 19.0 28.6





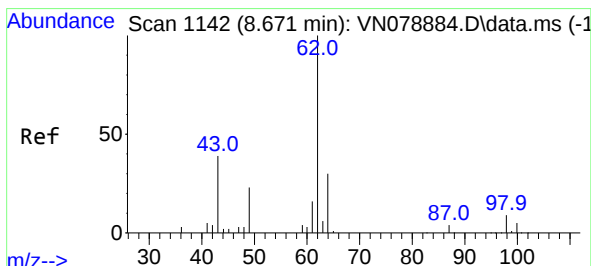
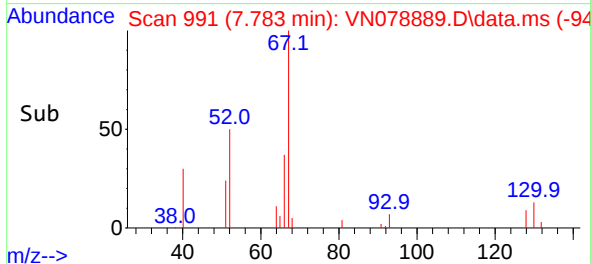
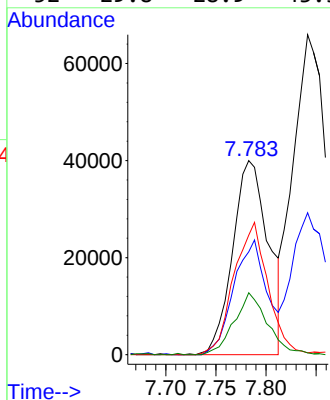
#41  
Methacrylonitrile  
Concen: 50.831 ug/l  
RT: 7.783 min Scan# 991  
Delta R.T. -0.011 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion: 41 Resp: 99261

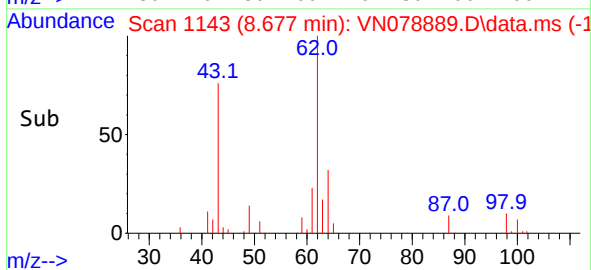
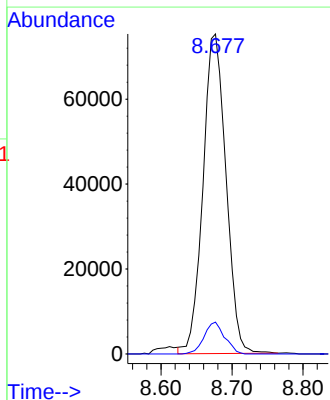
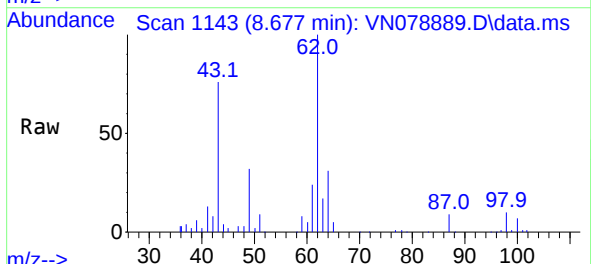
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 55.4  | 42.6  | 64.0  |
| 67  | 65.2  | 77.5  | 116.3 |
| 52  | 29.8  | 28.9  | 43.3  |

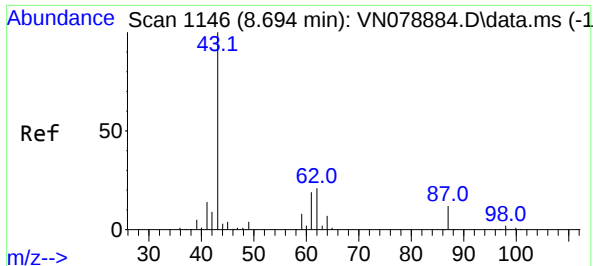


#42  
1,2-Dichloroethane  
Concen: 47.895 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 62 Resp: 169488

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.9   | 0.0   | 19.8  |

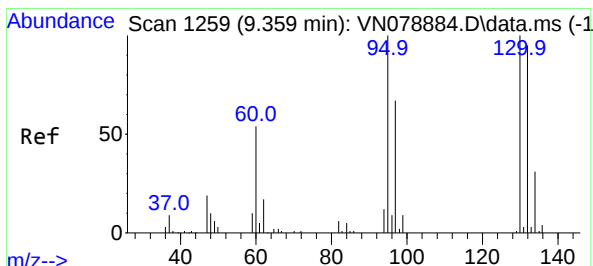
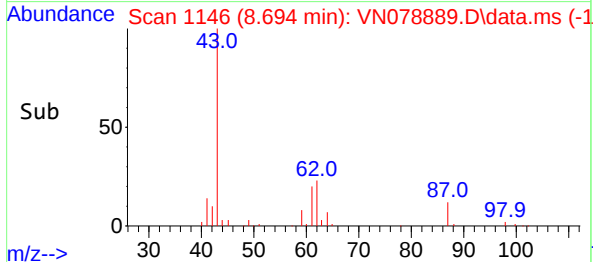
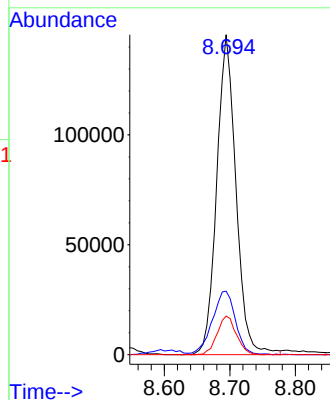
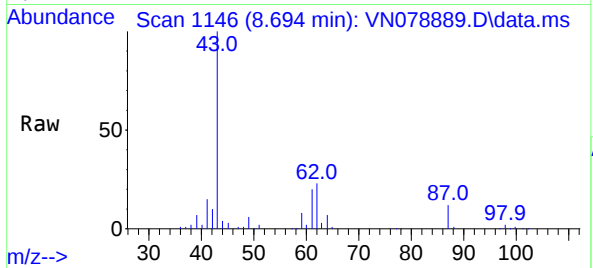




#43  
Isopropyl Acetate  
Concen: 46.725 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

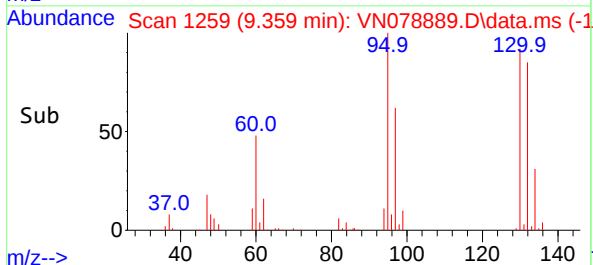
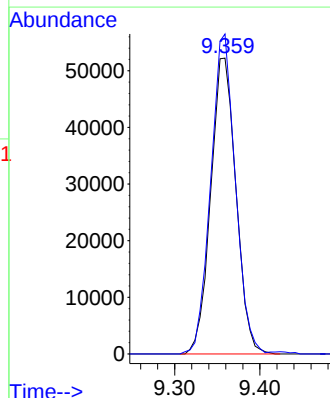
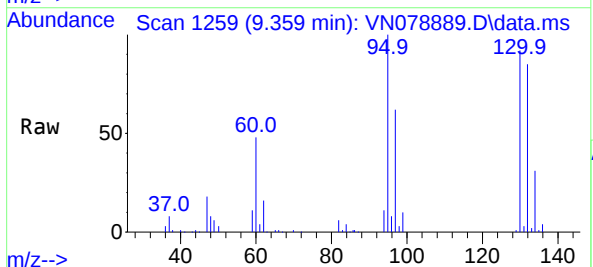
Instrument :  
MSVOA\_N  
ClientSampleId :

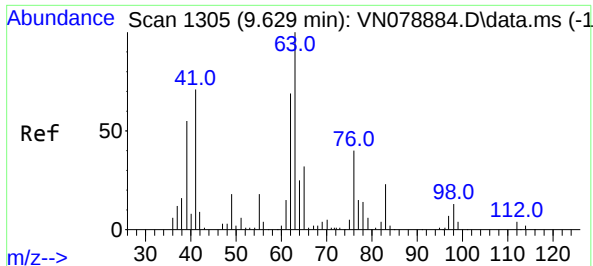
Tgt Ion: 43 Resp: 296108  
Ion Ratio Lower Upper  
43 100  
61 23.9 24.7 37.1#  
87 12.0 14.6 21.8#



#44  
Trichloroethene  
Concen: 47.812 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:130 Resp: 107606  
Ion Ratio Lower Upper  
130 100  
95 108.1 0.0 204.6





#45

1,2-Dichloropropane

Concen: 49.318 ug/l

RT: 9.630 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

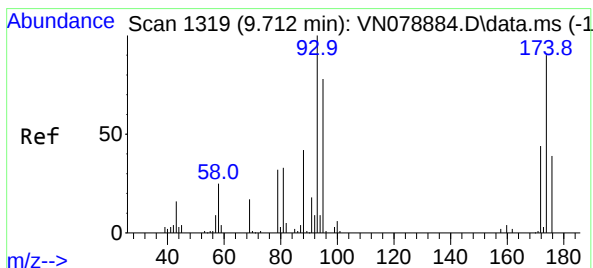
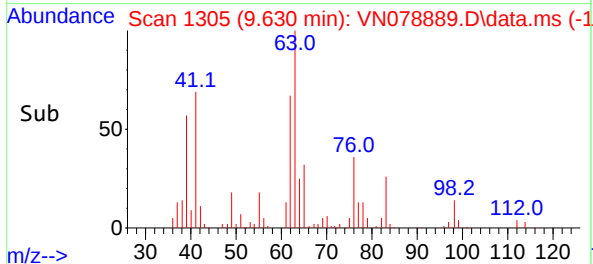
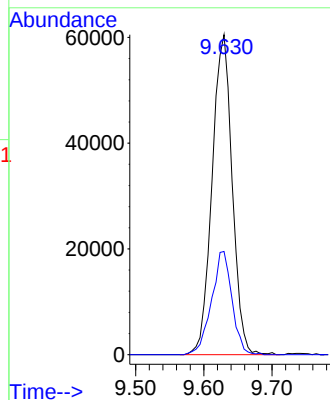
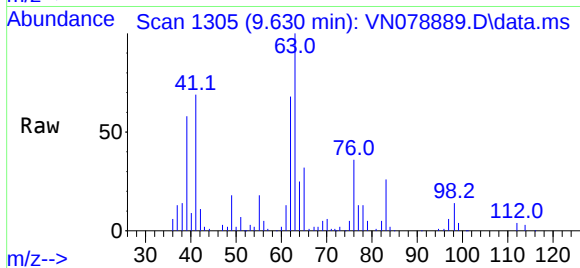
ClientSampleId :

Tgt Ion: 63 Resp: 124373

Ion Ratio Lower Upper

63 100

65 32.3 23.9 35.9



#46

Dibromomethane

Concen: 47.495 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. 0.006 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

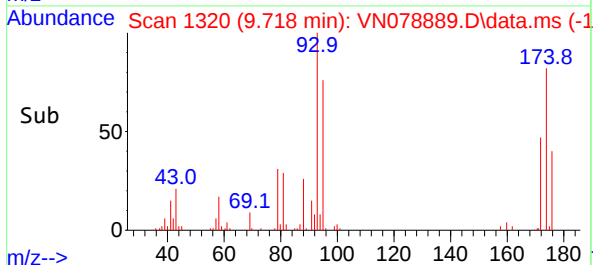
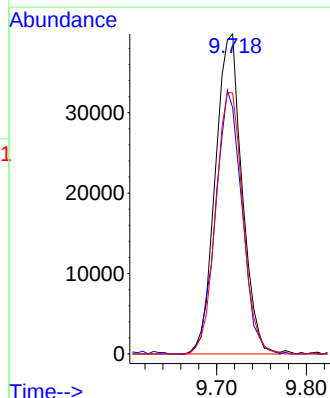
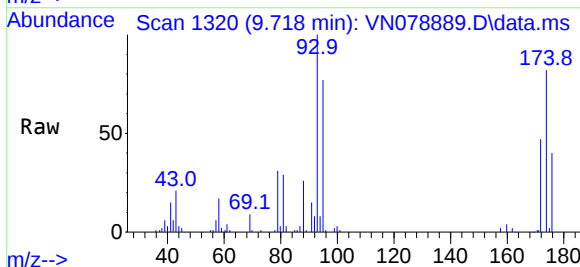
Tgt Ion: 93 Resp: 82154

Ion Ratio Lower Upper

93 100

95 81.7 63.8 95.8

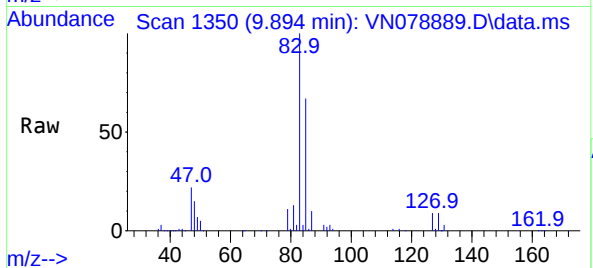
174 83.2 65.6 98.4



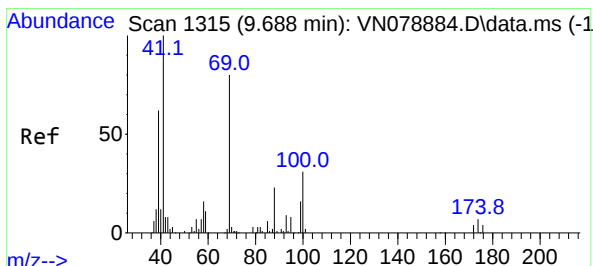
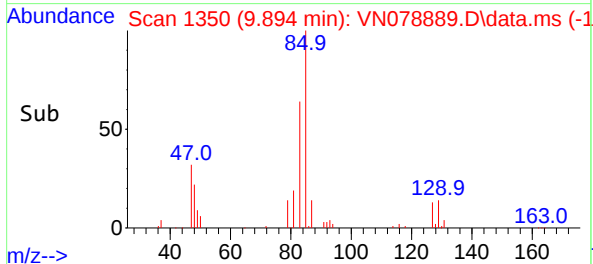
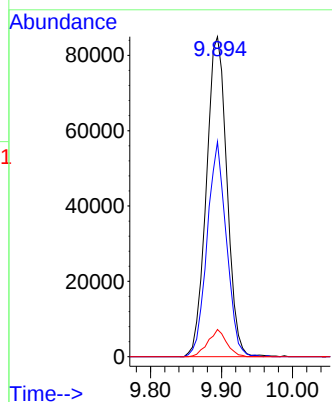


#47  
Bromodichloromethane  
Concen: 49.936 ug/l  
RT: 9.894 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

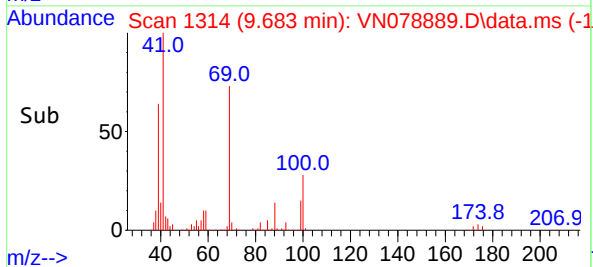
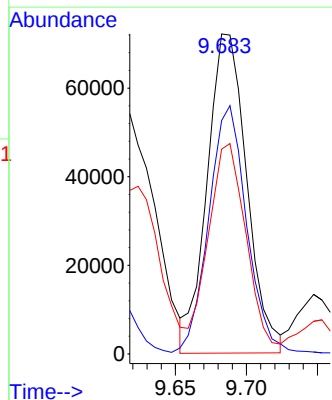
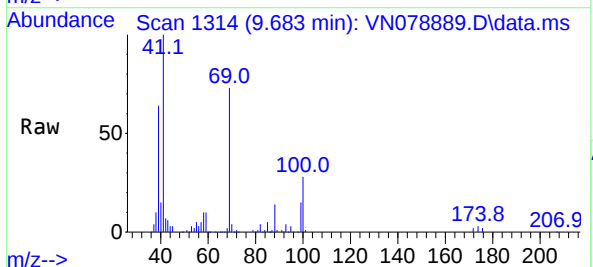


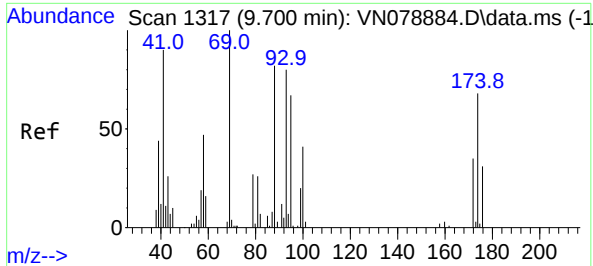
Tgt Ion: 83 Resp: 170562  
Ion Ratio Lower Upper  
83 100  
85 67.1 49.6 74.4  
127 8.5 7.0 10.6



#48  
Methyl methacrylate  
Concen: 48.740 ug/l  
RT: 9.683 min Scan# 1314  
Delta R.T. -0.005 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 41 Resp: 139967  
Ion Ratio Lower Upper  
41 100  
69 74.4 90.4 135.6#  
39 62.6 54.6 81.8

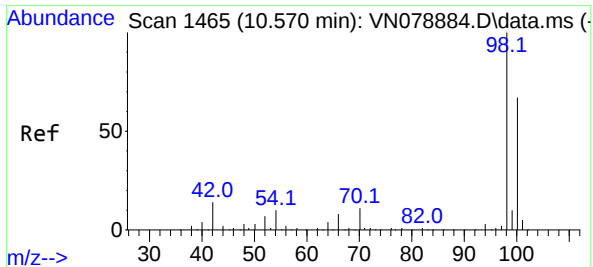
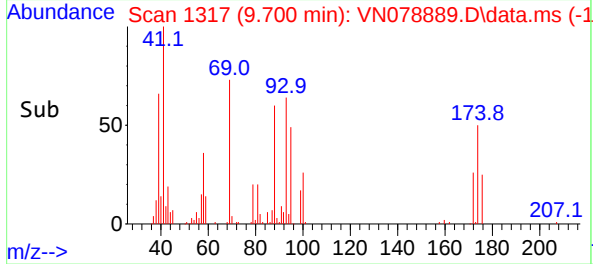
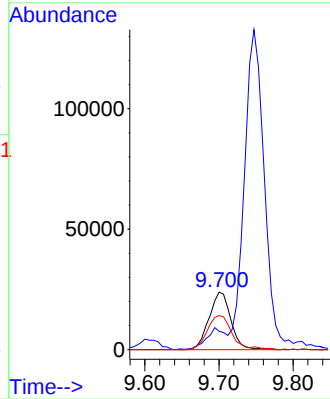
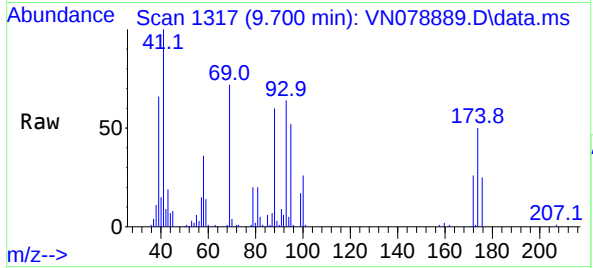




#49  
1,4-Dioxane  
Concen: 996.297 ug/l  
RT: 9.700 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

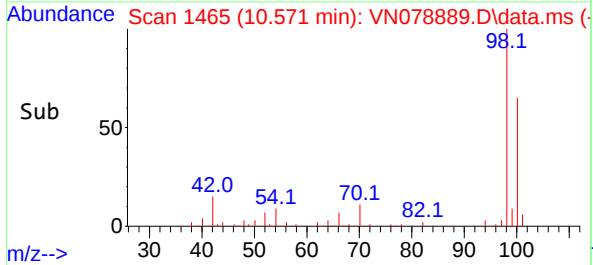
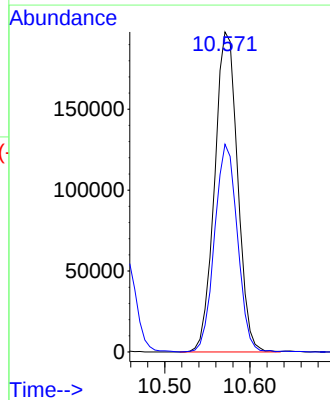
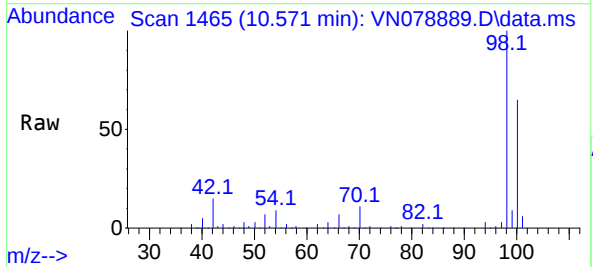
Instrument :  
MSVOA\_N  
ClientSampleId :

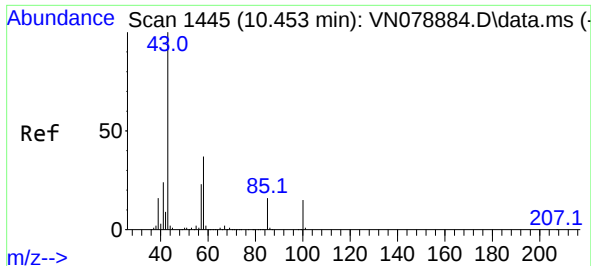
Tgt Ion: 88 Resp: 48733  
Ion Ratio Lower Upper  
88 100  
43 33.5 17.0 25.6#  
58 67.5 47.0 70.4



#50  
Toluene-d8  
Concen: 46.825 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

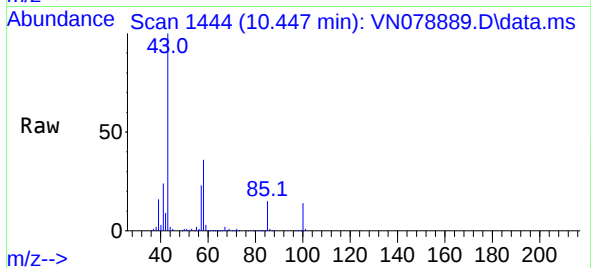
Tgt Ion: 98 Resp: 370393  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0



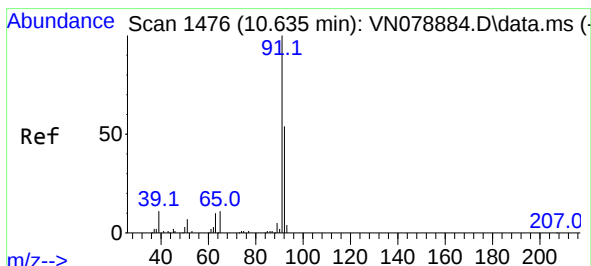
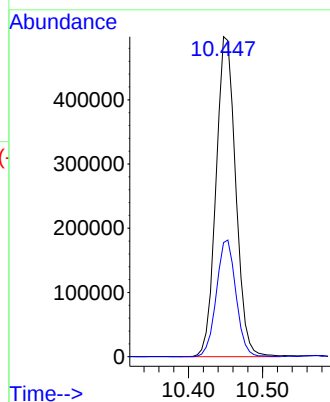
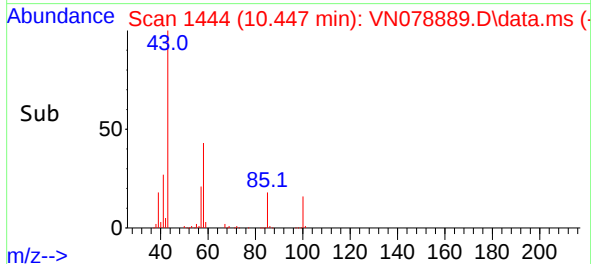


#51  
4-Methyl-2-Pentanone  
Concen: 244.843 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

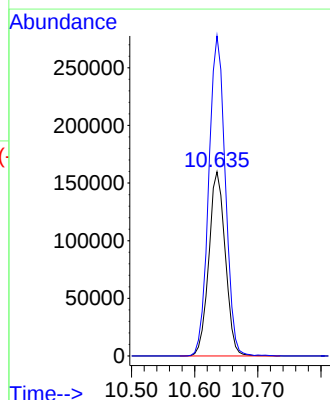
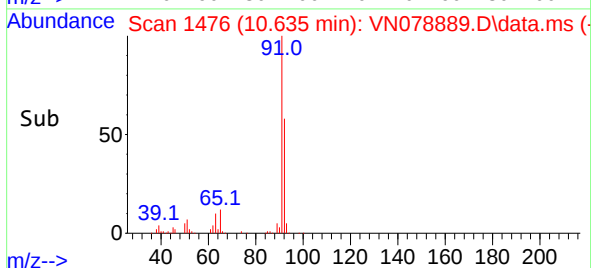
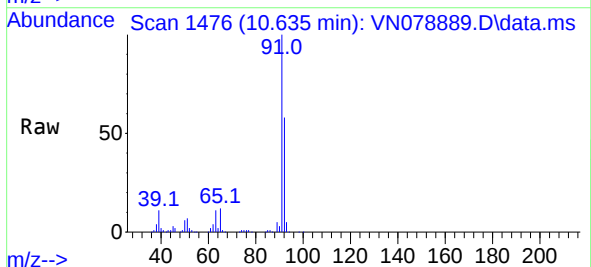


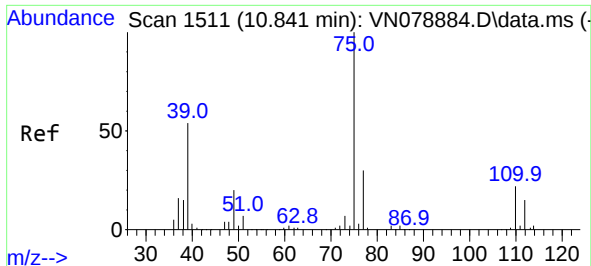
Tgt Ion: 43 Resp: 920282  
Ion Ratio Lower Upper  
43 100  
58 36.2 36.6 54.8#



#52  
Toluene  
Concen: 49.606 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 92 Resp: 288480  
Ion Ratio Lower Upper  
92 100  
91 175.2 137.4 206.0

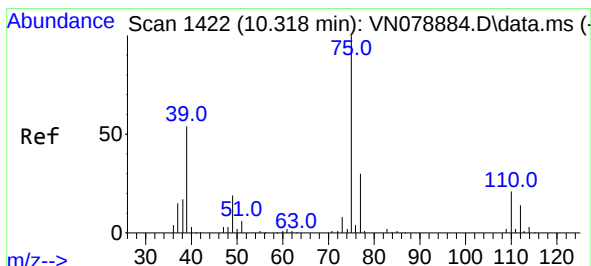
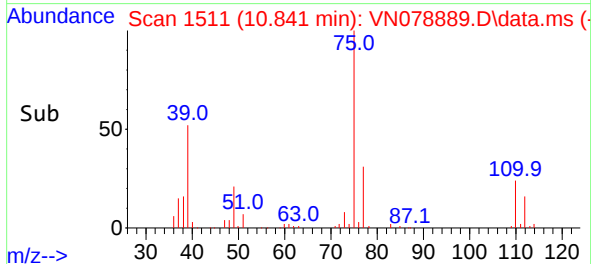
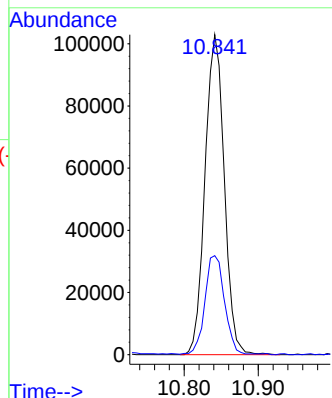
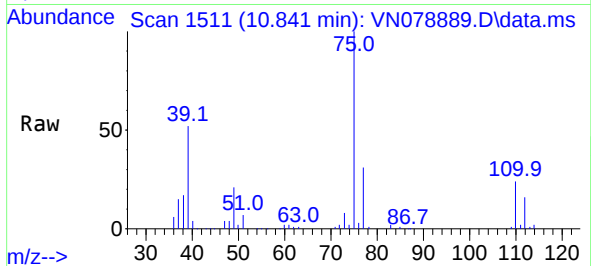




#53  
t-1,3-Dichloropropene  
Concen: 50.620 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

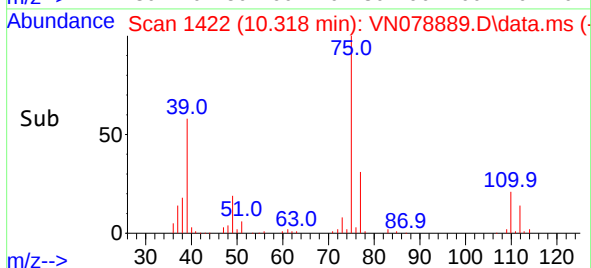
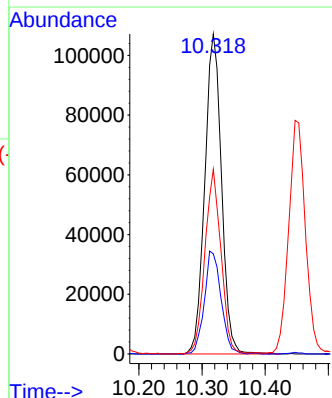
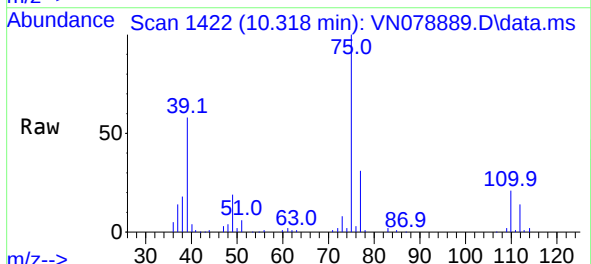
Instrument :  
MSVOA\_N  
ClientSampleId :

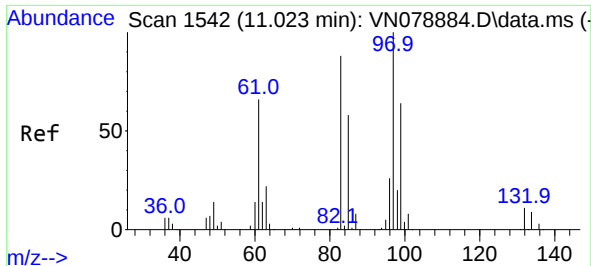
Tgt Ion: 75 Resp: 185415  
Ion Ratio Lower Upper  
75 100  
77 30.8 25.4 38.0



#54  
cis-1,3-Dichloropropene  
Concen: 49.366 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

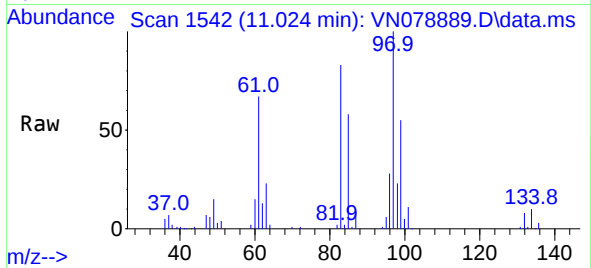
Tgt Ion: 75 Resp: 196937  
Ion Ratio Lower Upper  
75 100  
77 31.3 26.1 39.1  
39 57.5 31.6 47.4#





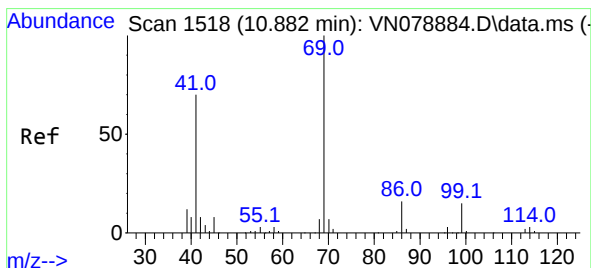
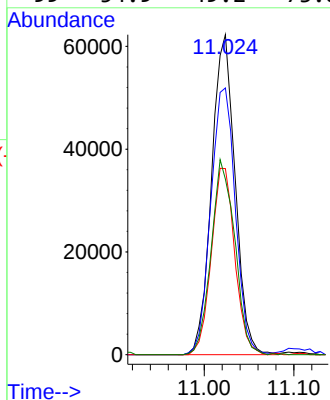
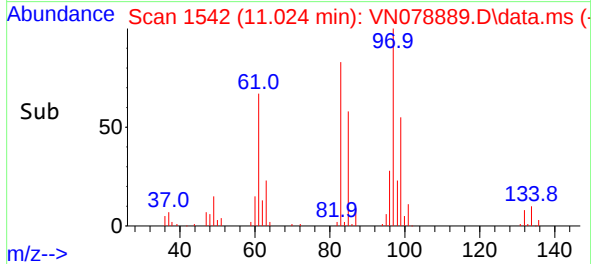
#55  
1,1,2-Trichloroethane  
Concen: 48.645 ug/l  
RT: 11.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

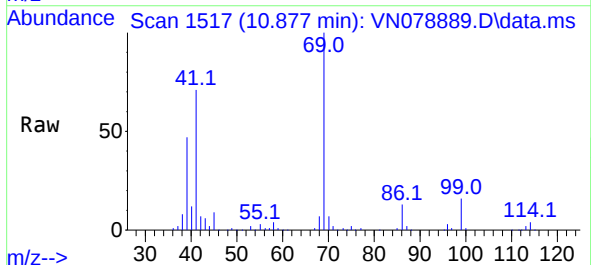


Tgt Ion: 97 Resp: 113428

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.3  | 65.1  | 97.7  |
| 85  | 58.1  | 43.4  | 65.2  |
| 99  | 54.9  | 49.2  | 73.8  |

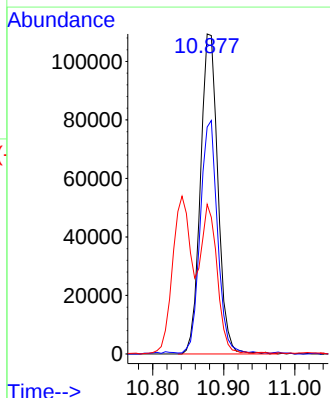
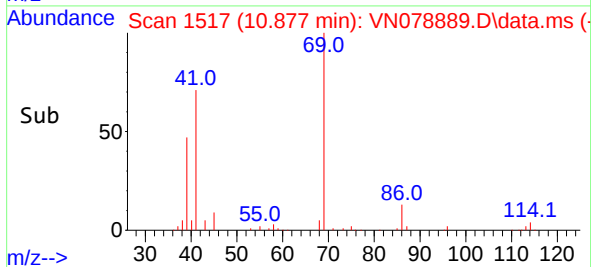


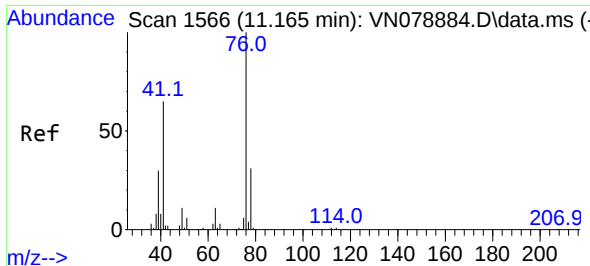
#56  
Ethyl methacrylate  
Concen: 51.804 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08



Tgt Ion: 69 Resp: 187248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 72.0  | 39.6  | 59.4# |
| 39  | 44.3  | 28.6  | 43.0# |





#57

1,3-Dichloropropane

Concen: 49.026 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

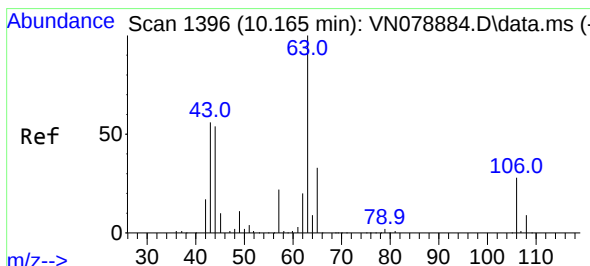
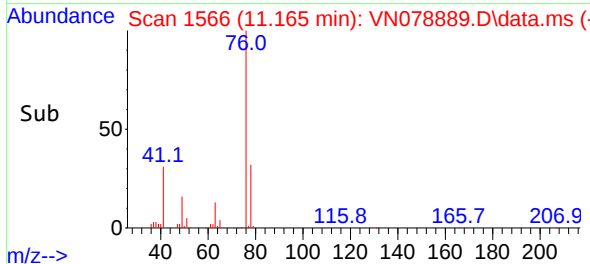
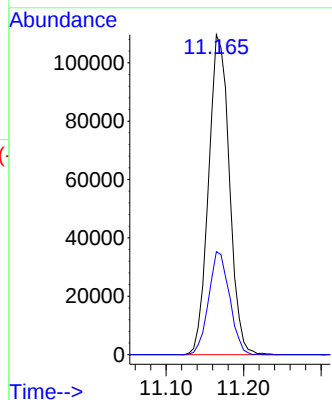
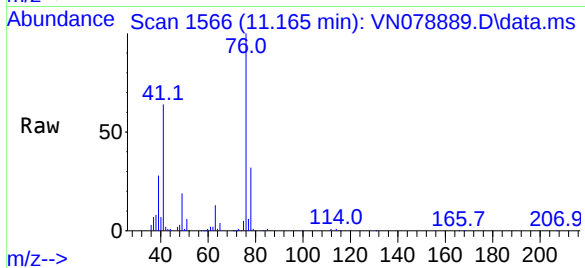
ClientSampleId :

Tgt Ion: 76 Resp: 204470

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 229.336 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078889.D

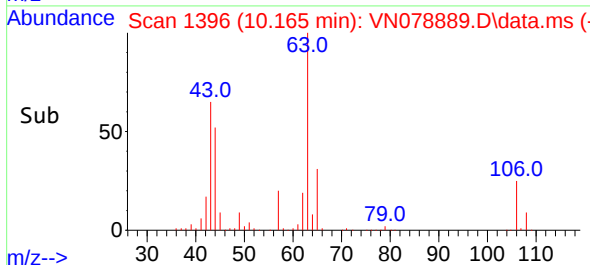
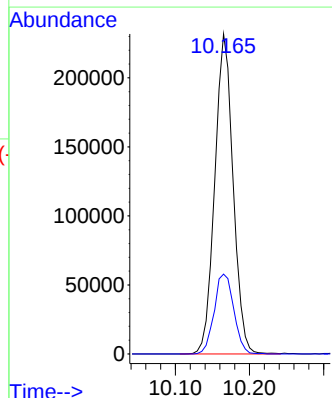
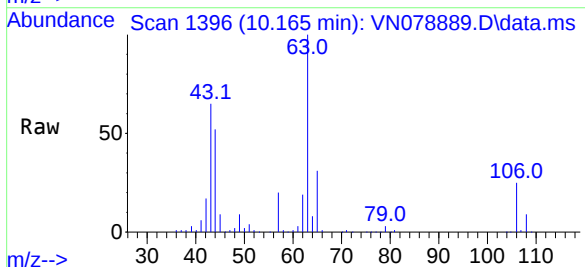
Acq: 15 Aug 2023 15:08

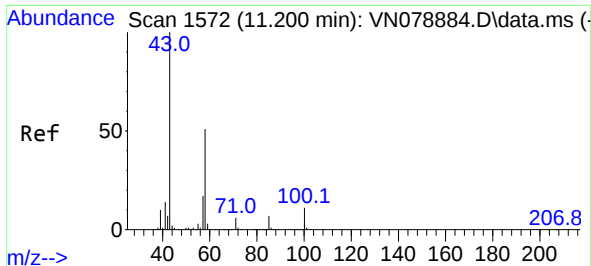
Tgt Ion: 63 Resp: 397917

Ion Ratio Lower Upper

63 100

106 26.7 26.2 39.4

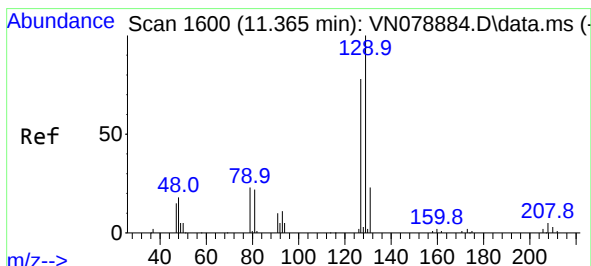
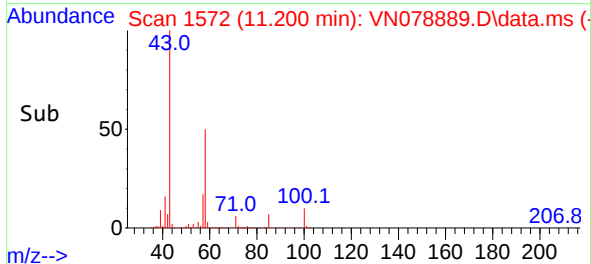
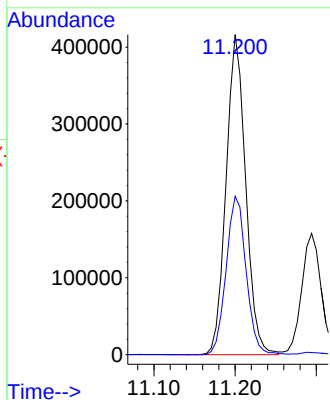
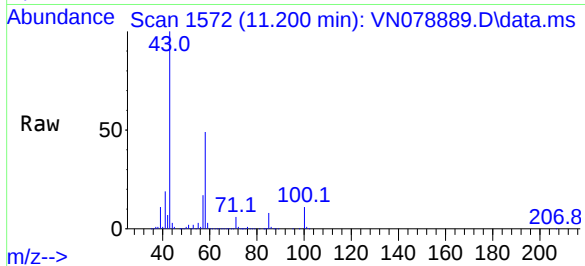




#59  
2-Hexanone  
Concen: 255.859 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

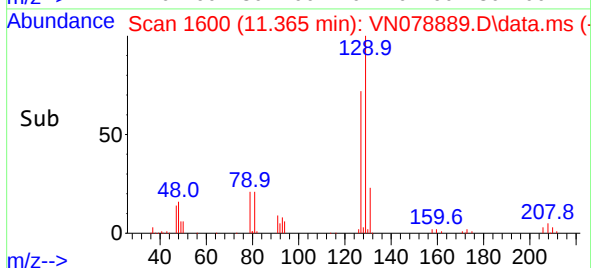
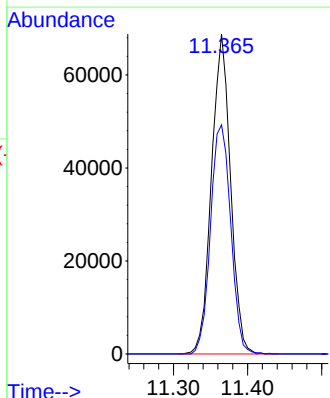
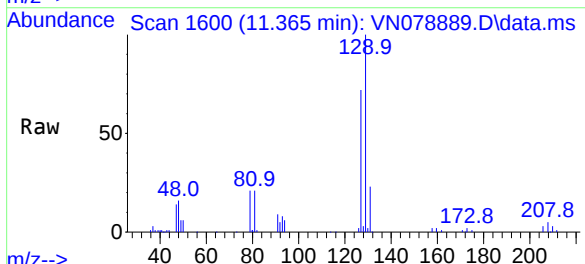
Instrument :  
MSVOA\_N  
ClientSampleId :

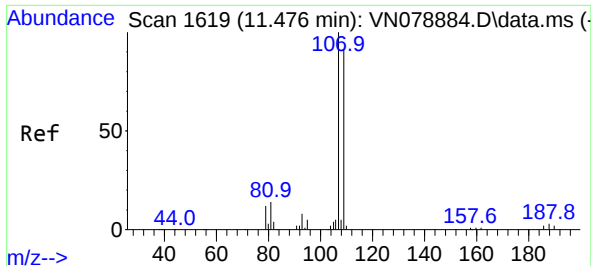
Tgt Ion: 43 Resp: 696549  
Ion Ratio Lower Upper  
43 100  
58 50.5 31.7 95.1



#60  
Dibromochloromethane  
Concen: 49.961 ug/l  
RT: 11.365 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 129 Resp: 122592  
Ion Ratio Lower Upper  
129 100  
127 76.1 38.6 116.0

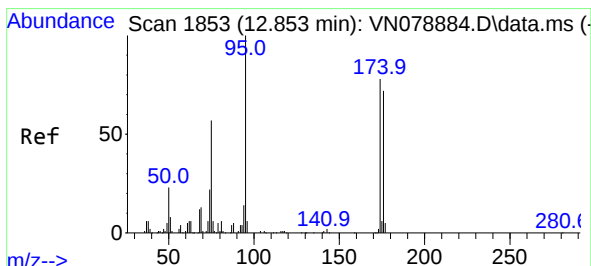
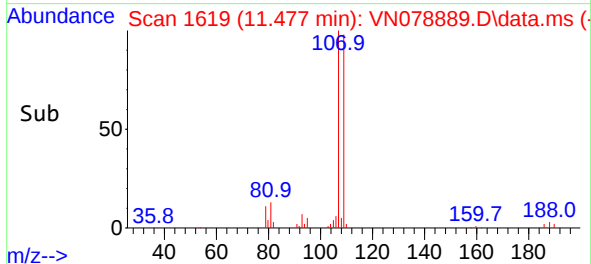
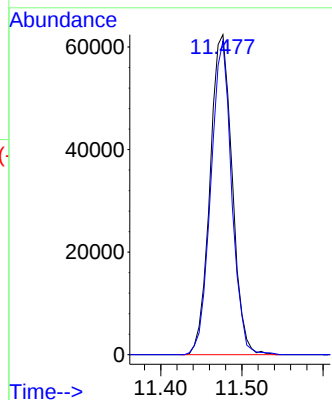
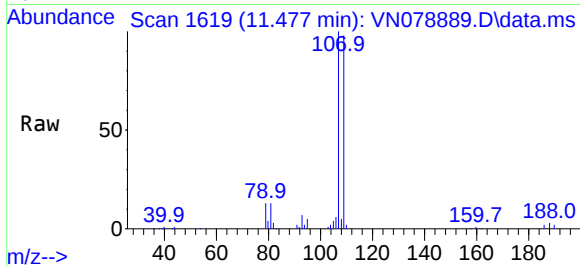




#61  
1,2-Dibromoethane  
Concen: 49.942 ug/l  
RT: 11.477 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

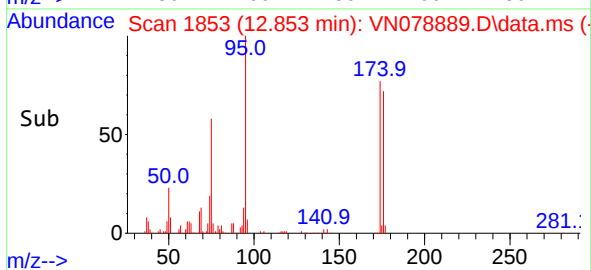
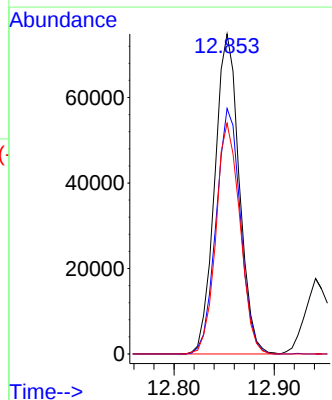
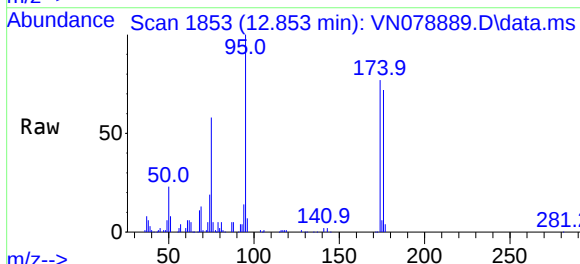
Instrument :  
MSVOA\_N  
ClientSampleId :

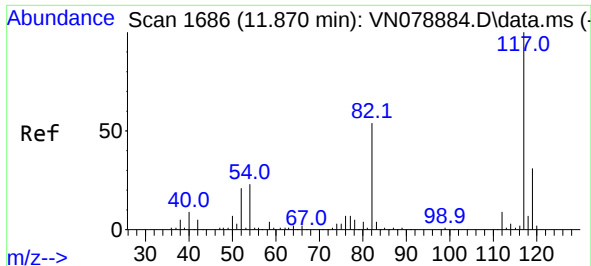
Tgt Ion:107 Resp: 118342  
Ion Ratio Lower Upper  
107 100  
109 92.2 76.6 114.8



#62  
4-Bromofluorobenzene  
Concen: 49.078 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

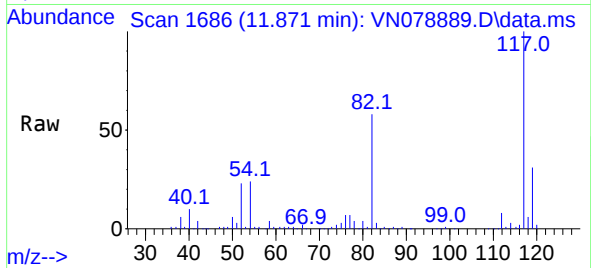
Tgt Ion: 95 Resp: 126890  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 143.8  
176 70.7 0.0 135.8



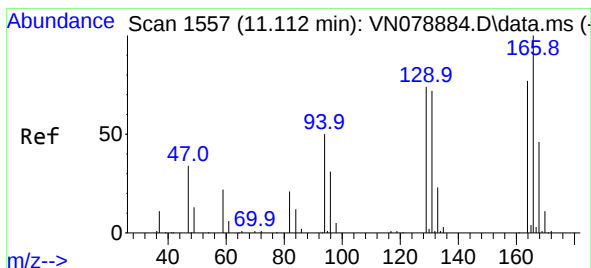
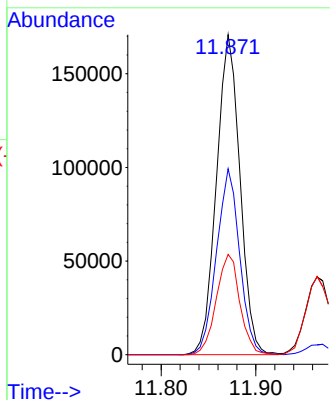
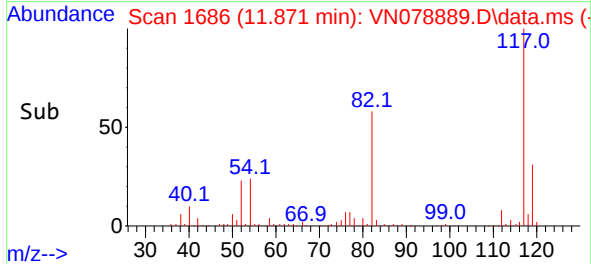


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

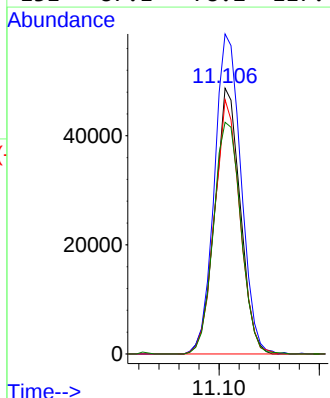
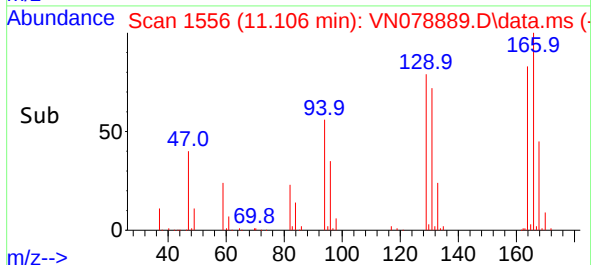
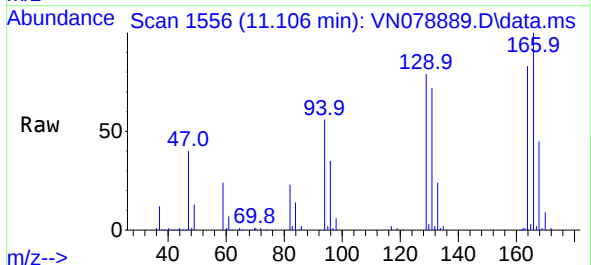


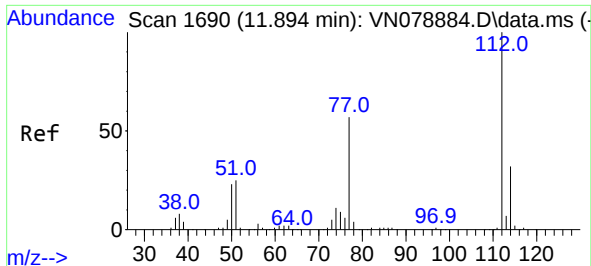
Tgt Ion:117 Resp: 295212  
Ion Ratio Lower Upper  
117 100  
82 58.1 44.0 66.0  
119 31.4 25.6 38.4



#64  
Tetrachloroethene  
Concen: 46.389 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:164 Resp: 85882  
Ion Ratio Lower Upper  
164 100  
166 120.4 101.4 152.0  
129 95.6 82.4 123.6  
131 87.1 78.2 117.4

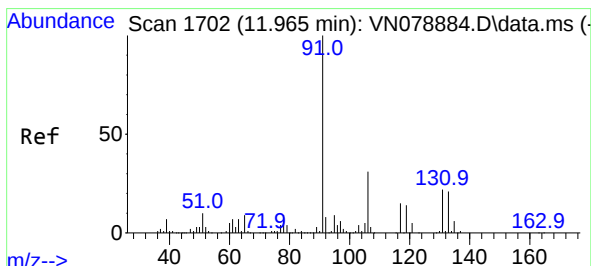
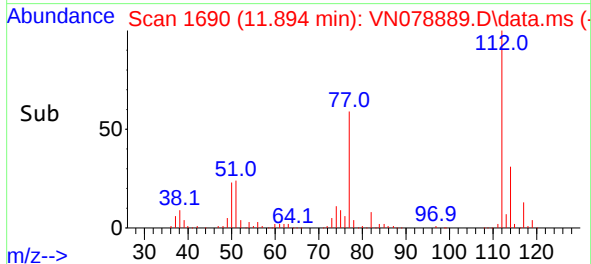
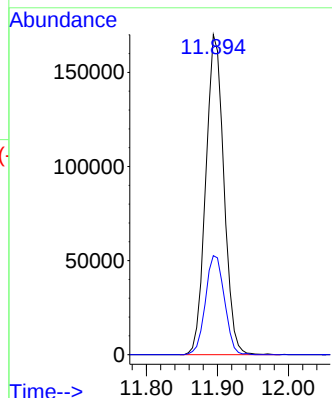
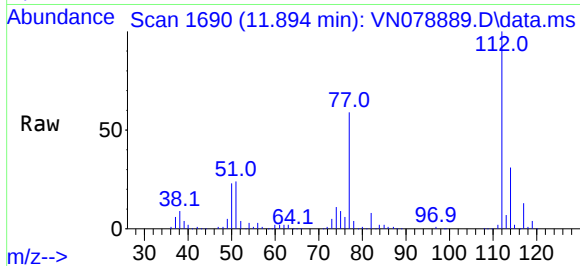




#65  
Chlorobenzene  
Concen: 48.017 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

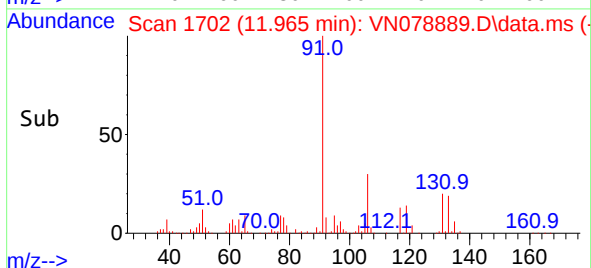
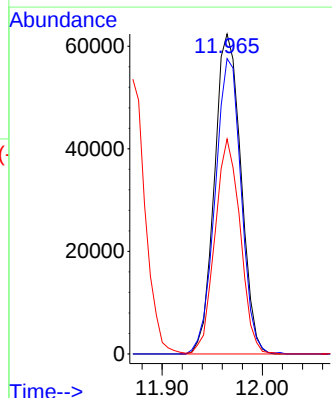
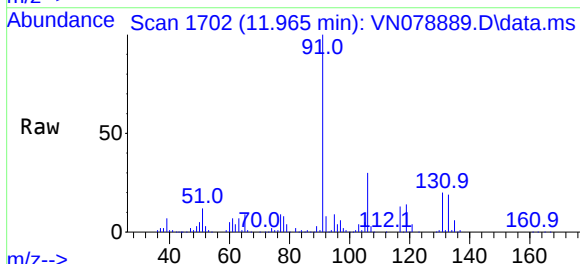
Instrument :  
MSVOA\_N  
ClientSampleId :

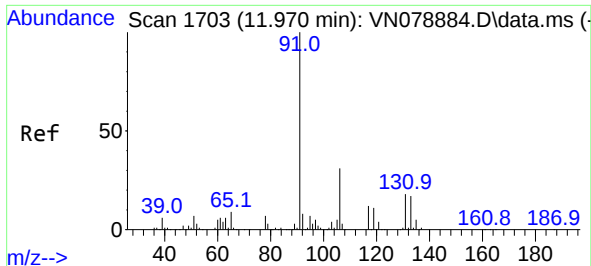
Tgt Ion:112 Resp: 301738  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.0 37.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.112 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:131 Resp: 114257  
Ion Ratio Lower Upper  
131 100  
133 90.9 46.4 139.1  
119 64.3 34.1 102.2

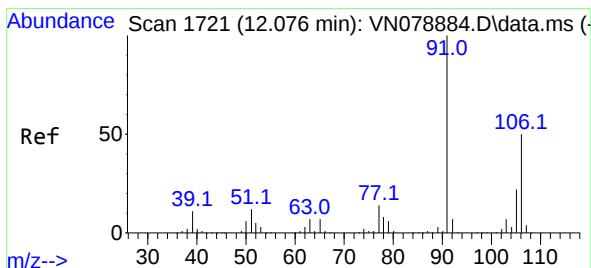
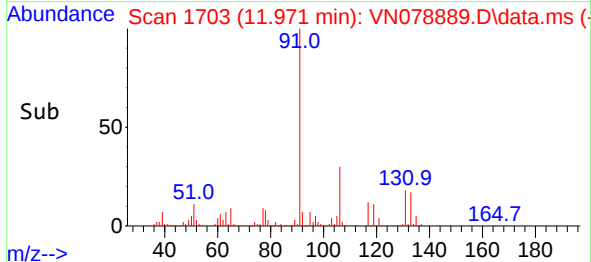
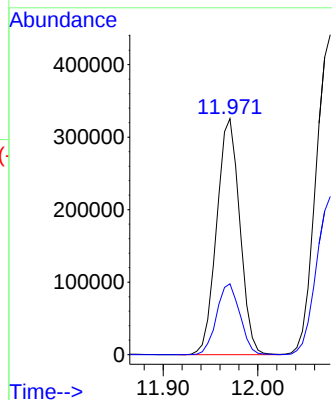
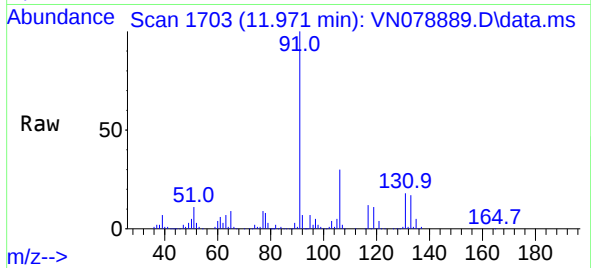




#67  
Ethyl Benzene  
Concen: 48.346 ug/l  
RT: 11.971 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

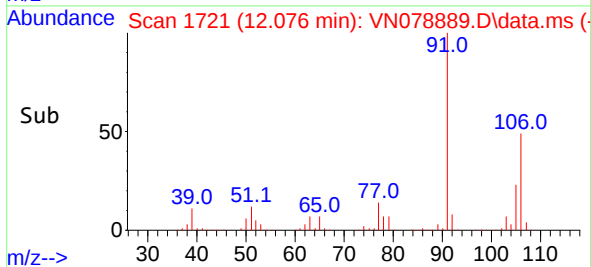
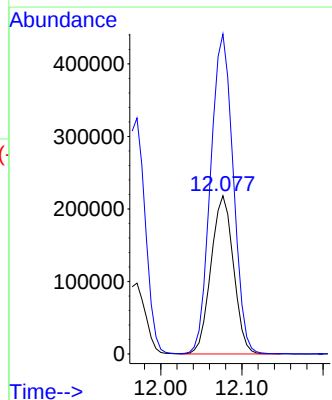
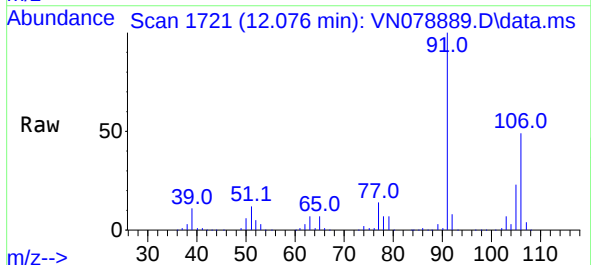
Instrument :  
MSVOA\_N  
ClientSampleId :

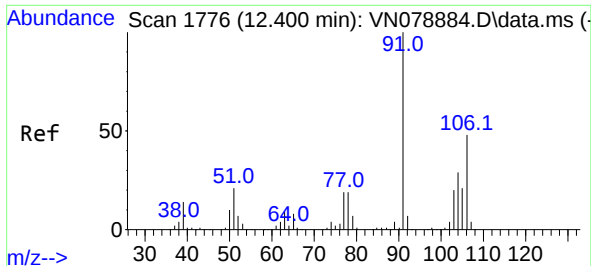
Tgt Ion: 91 Resp: 552481  
Ion Ratio Lower Upper  
91 100  
106 30.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 98.170 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:106 Resp: 419438  
Ion Ratio Lower Upper  
106 100  
91 203.4 159.6 239.4

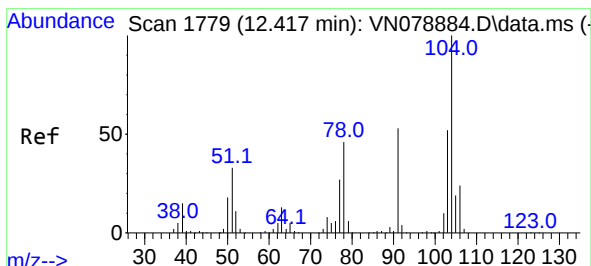
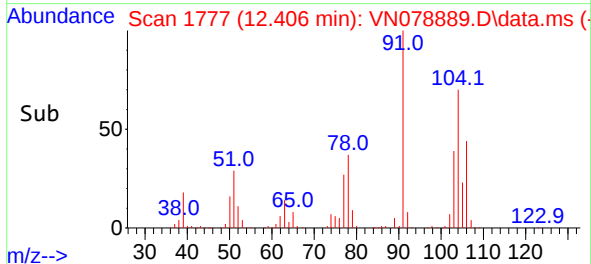
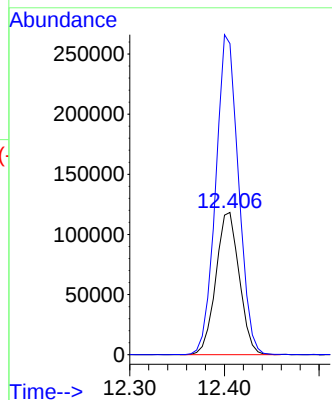
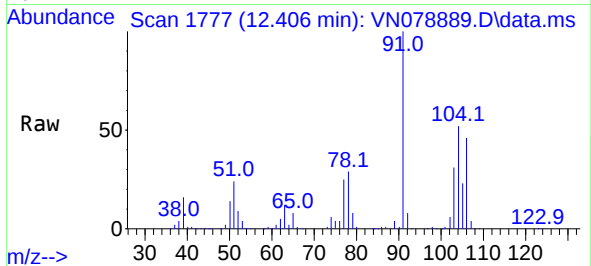




#69  
o-Xylene  
Concen: 48.916 ug/l  
RT: 12.406 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

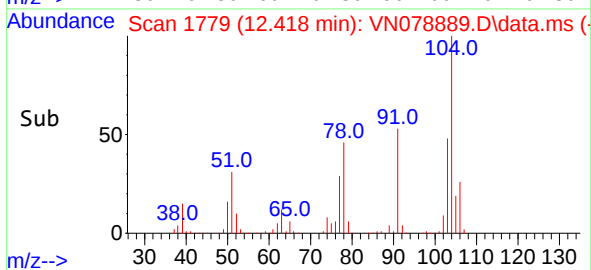
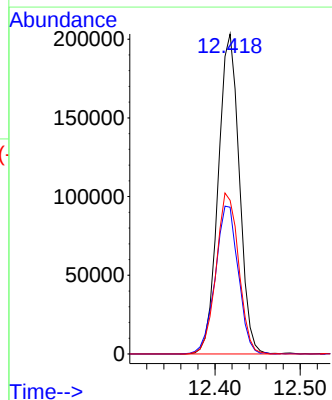
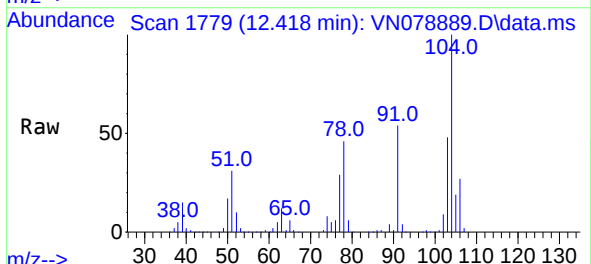
Instrument :  
MSVOA\_N  
ClientSampleId :

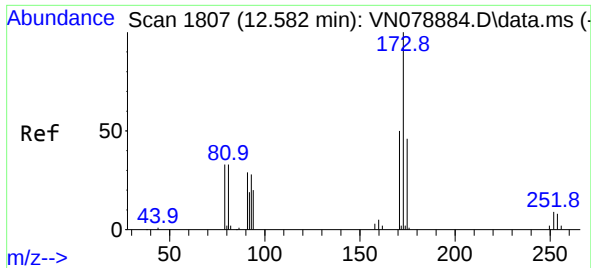
Tgt Ion:106 Resp: 203305  
Ion Ratio Lower Upper  
106 100  
91 219.2 105.2 315.5



#70  
Styrene  
Concen: 50.402 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:104 Resp: 349296  
Ion Ratio Lower Upper  
104 100  
78 50.5 39.5 59.3  
103 53.7 43.2 64.8

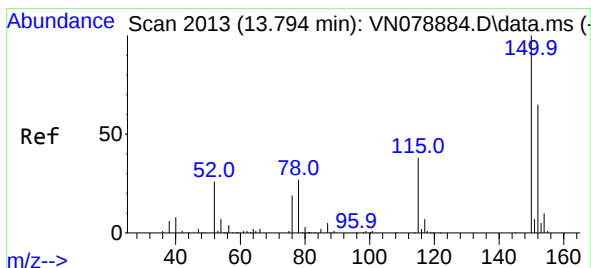
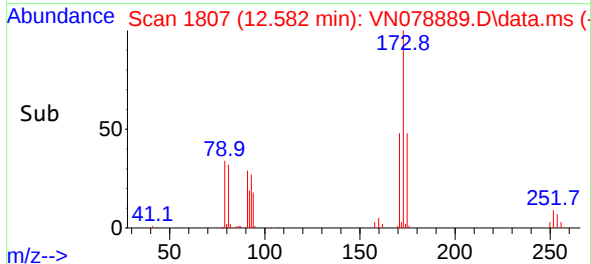
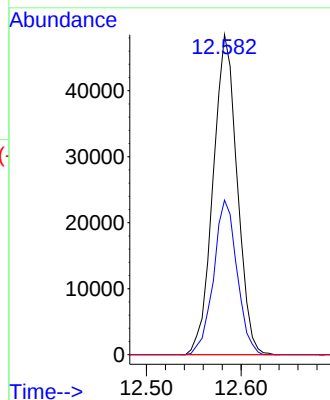
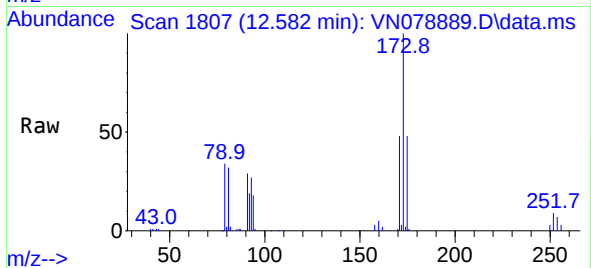




#71  
Bromoform  
Concen: 49.558 ug/l  
RT: 12.582 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

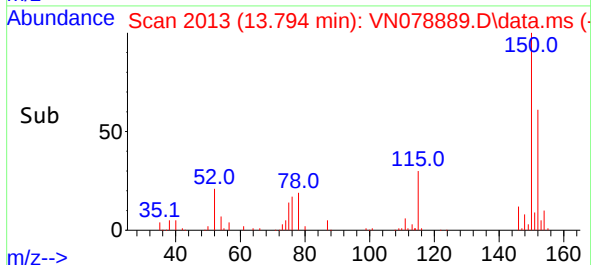
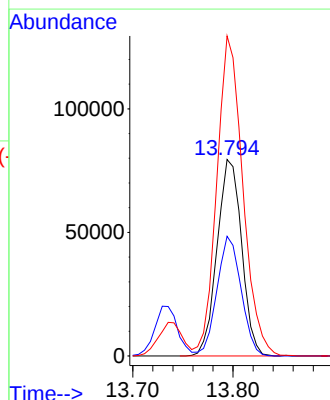
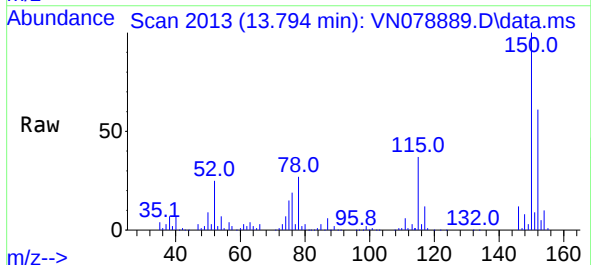
Instrument :  
MSVOA\_N  
ClientSampleId :

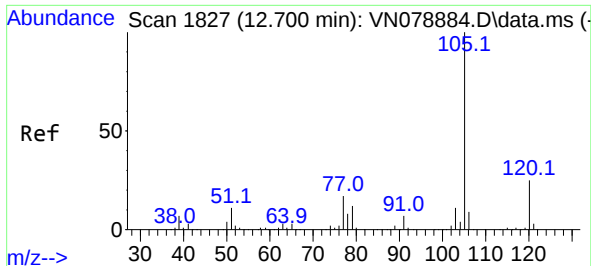
Tgt Ion:173 Resp: 85562  
Ion Ratio Lower Upper  
173 100  
175 47.0 24.3 73.0  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:152 Resp: 135107  
Ion Ratio Lower Upper  
152 100  
115 60.0 32.3 96.8  
150 172.8 0.0 355.8

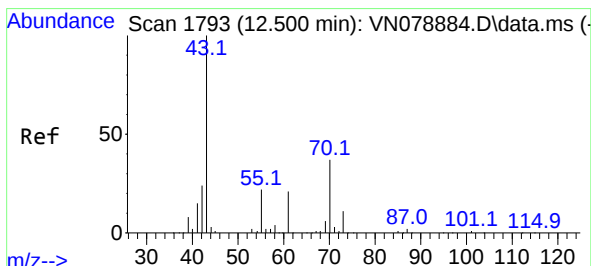
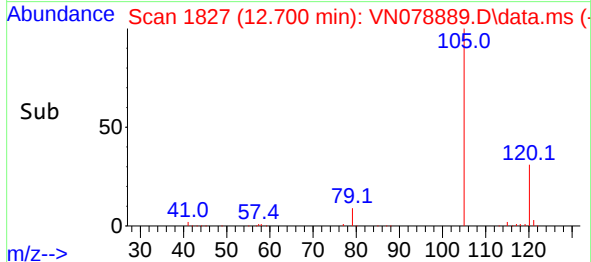
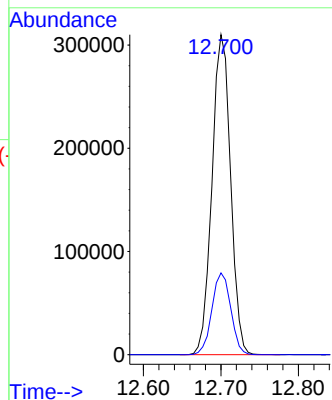
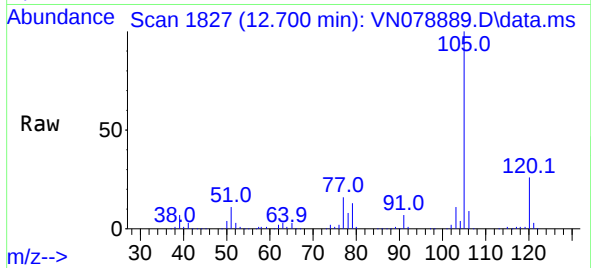




#73  
Isopropylbenzene  
Concen: 45.849 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

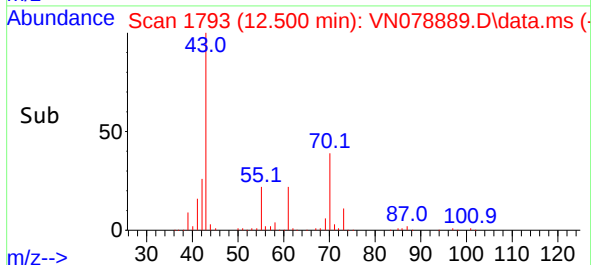
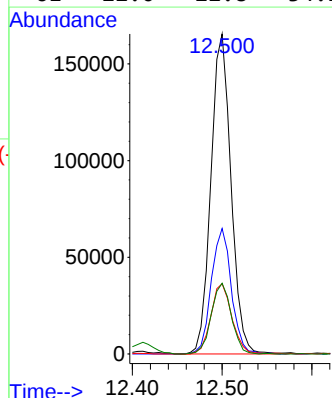
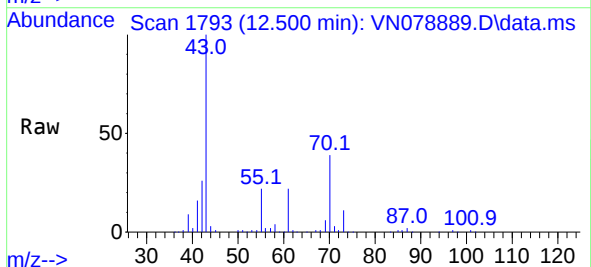
Instrument :  
MSVOA\_N  
ClientSampleId :

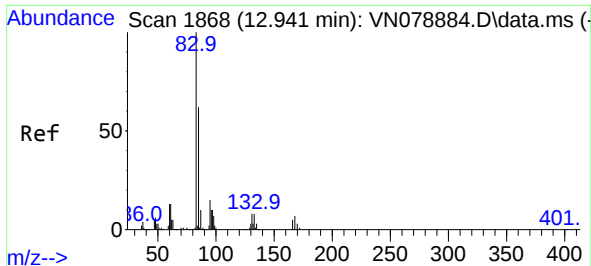
Tgt Ion:105 Resp: 516512  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.1 39.1



#74  
N-ethyl acetate  
Concen: 45.285 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 43 Resp: 257509  
Ion Ratio Lower Upper  
43 100  
70 39.2 43.4 65.2#  
55 22.9 21.4 32.0  
61 22.0 22.8 34.2#

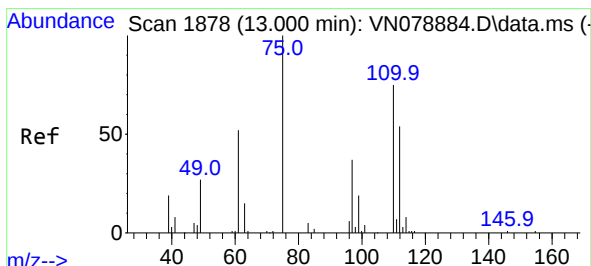
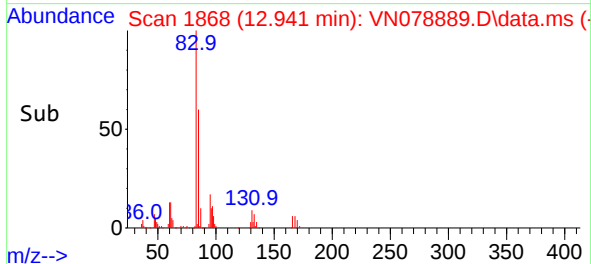
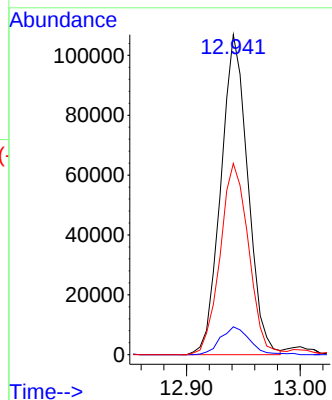
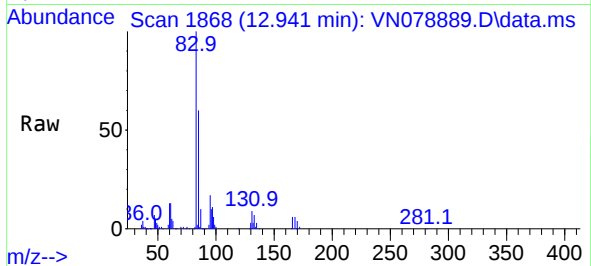




#75  
1,1,2,2-Tetrachloroethane  
Concen: 43.323 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

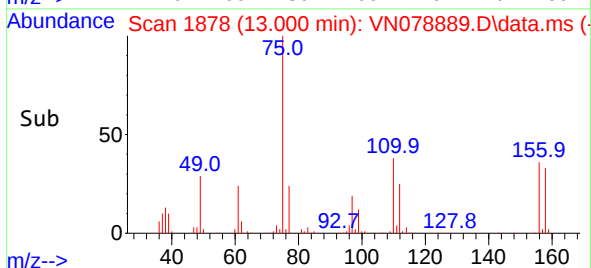
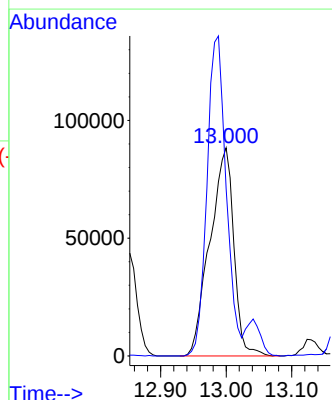
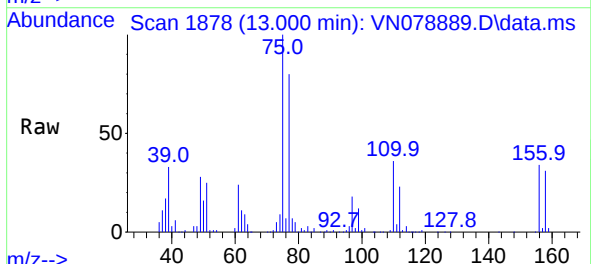
Instrument :  
MSVOA\_N  
ClientSampleId :

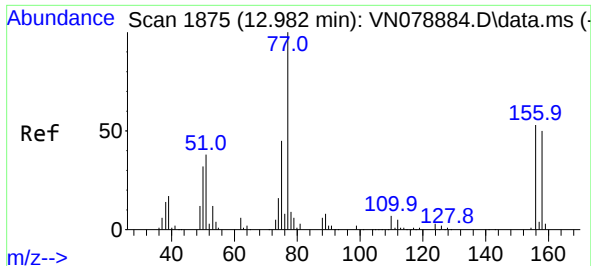
Tgt Ion: 83 Resp: 176224  
Ion Ratio Lower Upper  
83 100  
131 9.4 5.0 15.0  
85 63.1 31.9 95.7



#76  
1,2,3-Trichloropropane  
Concen: 68.670 ug/l  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 75 Resp: 223549  
Ion Ratio Lower Upper  
75 100  
77 123.7 84.5 253.5

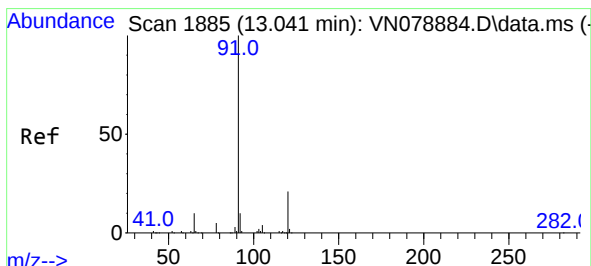
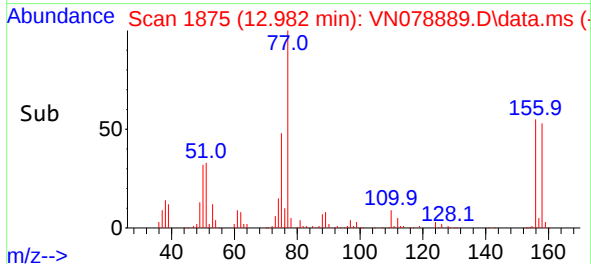
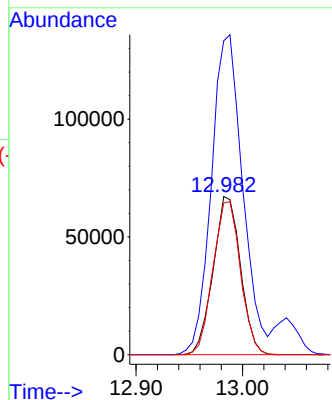
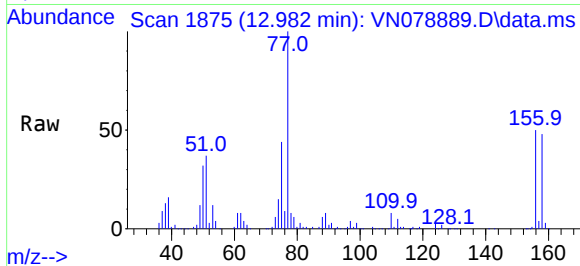




#77  
Bromobenzene  
Concen: 44.165 ug/l  
RT: 12.982 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

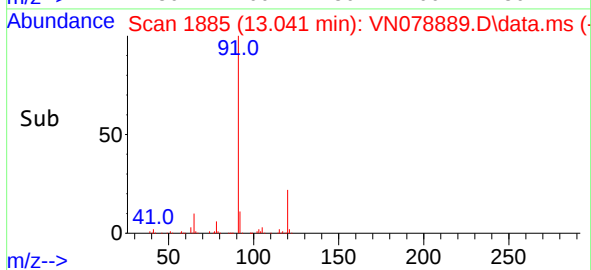
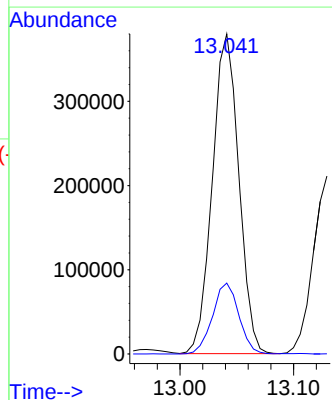
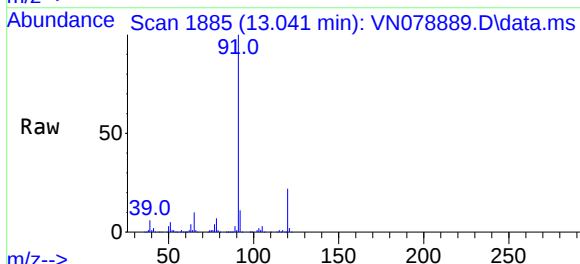
Instrument :  
MSVOA\_N  
ClientSampleId :

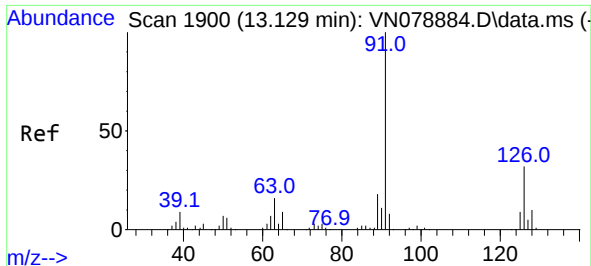
Tgt Ion:156 Resp: 119594  
Ion Ratio Lower Upper  
156 100  
77 231.2 107.7 323.3  
158 97.4 48.4 145.3



#78  
n-propylbenzene  
Concen: 47.020 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 91 Resp: 614247  
Ion Ratio Lower Upper  
91 100  
120 22.0 11.5 34.4

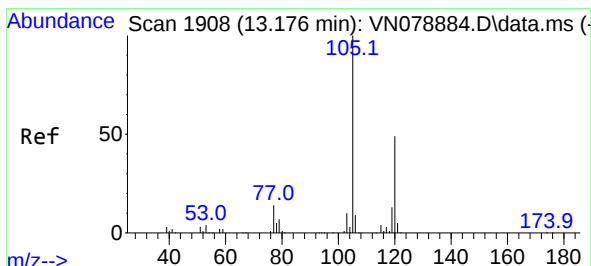
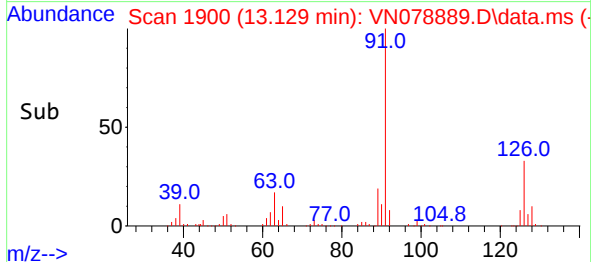
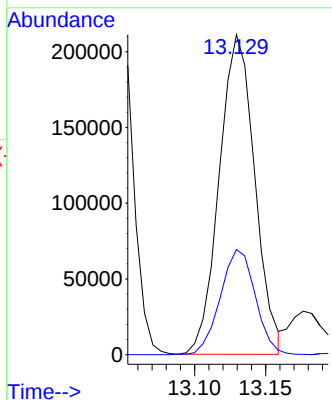
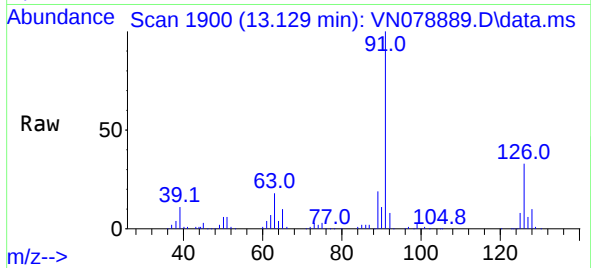




#79  
2-Chlorotoluene  
Concen: 45.228 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

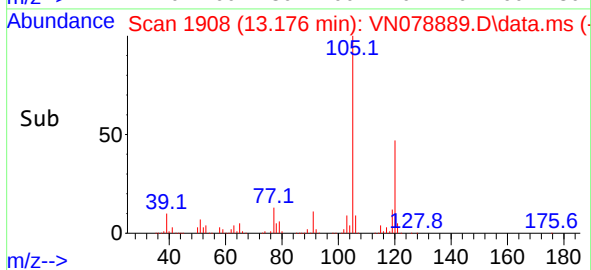
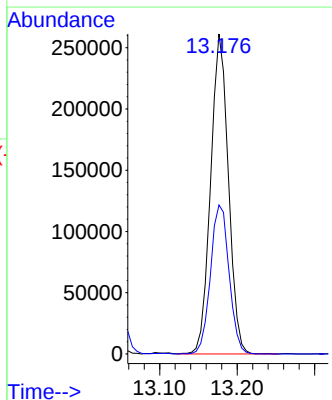
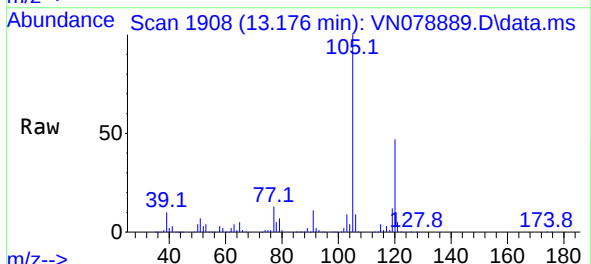
Instrument :  
MSVOA\_N  
ClientSampleId :

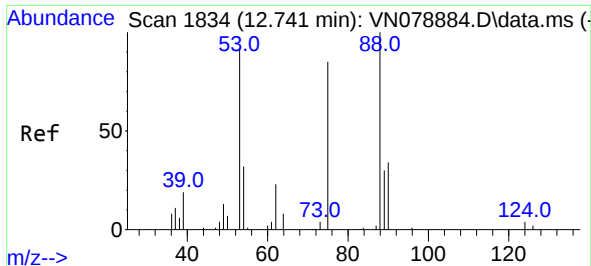
Tgt Ion: 91 Resp: 366505  
Ion Ratio Lower Upper  
91 100  
126 32.5 16.3 48.8



#80  
1,3,5-Trimethylbenzene  
Concen: 46.700 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

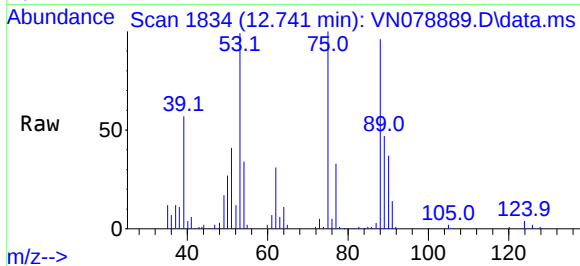
Tgt Ion:105 Resp: 416911  
Ion Ratio Lower Upper  
105 100  
120 48.8 24.1 72.3



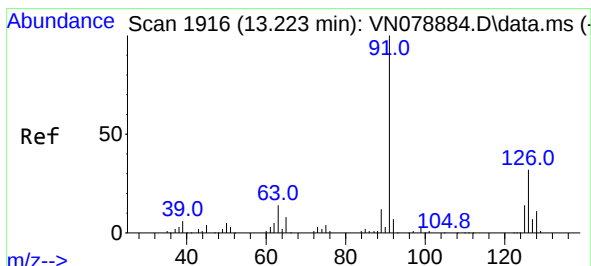
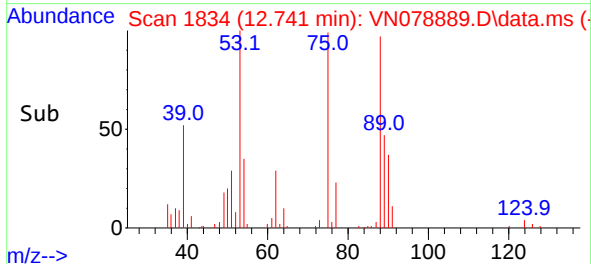
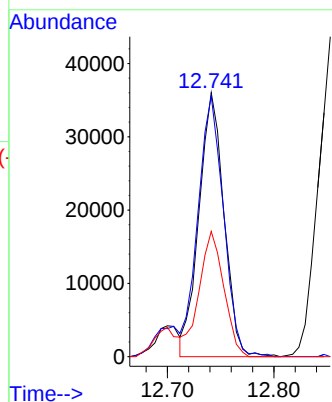


#81  
trans-1,4-Dichloro-2-butene  
Concen: 46.226 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

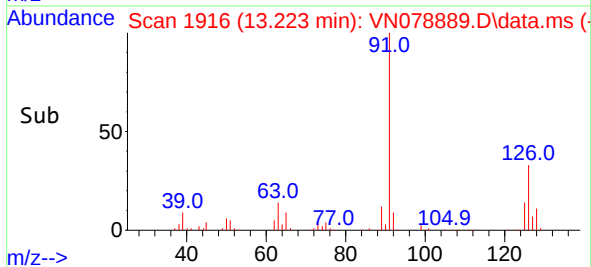
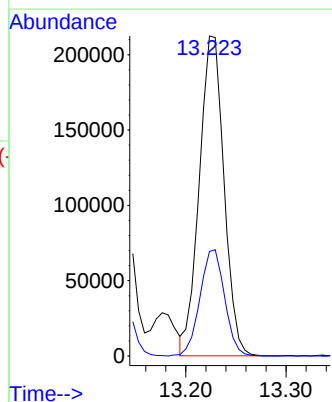
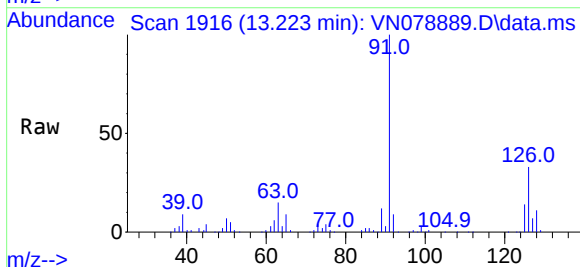


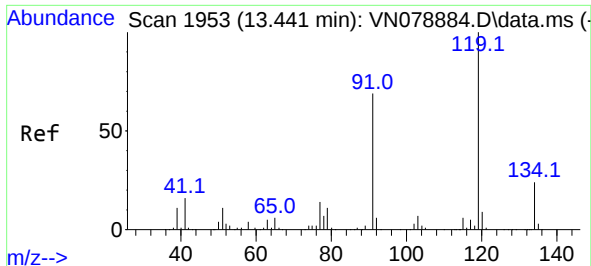
Tgt Ion: 75 Resp: 58908  
Ion Ratio Lower Upper  
75 100  
53 112.5 67.4 101.2#  
89 47.0 38.8 58.2



#82  
4-Chlorotoluene  
Concen: 45.850 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 91 Resp: 363546  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.7 50.0

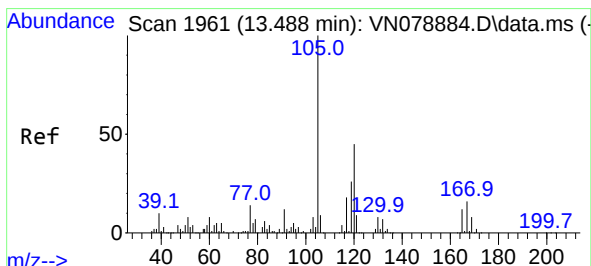
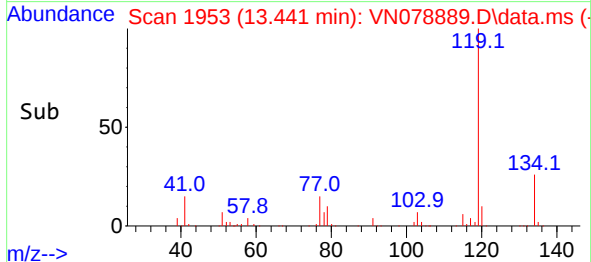
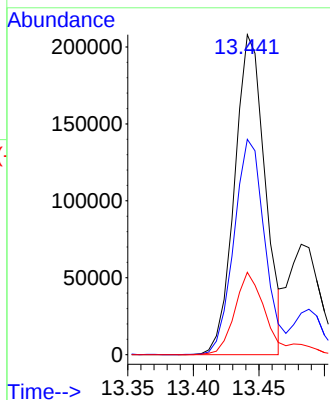
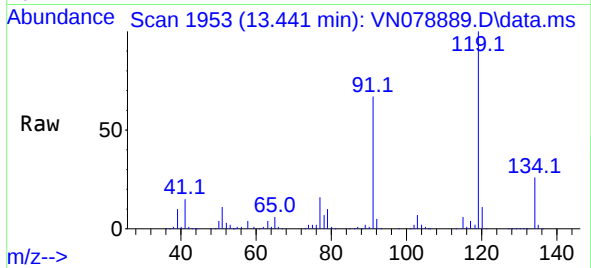




#83  
tert-Butylbenzene  
Concen: 44.788 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

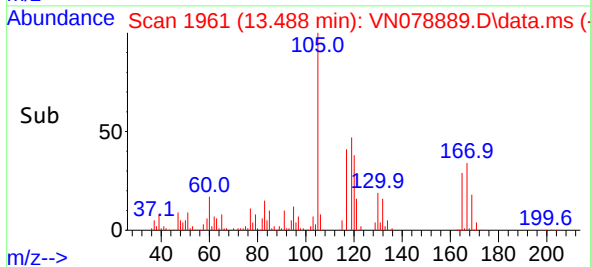
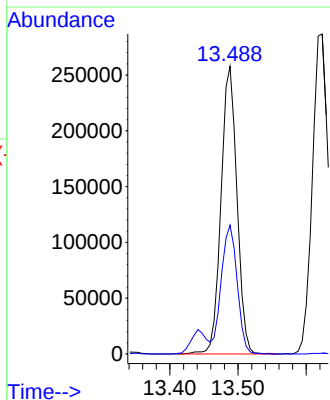
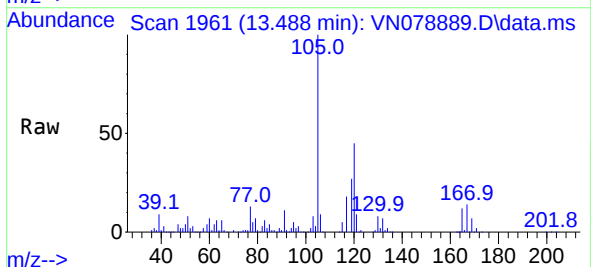
Instrument :  
MSVOA\_N  
ClientSampleId :

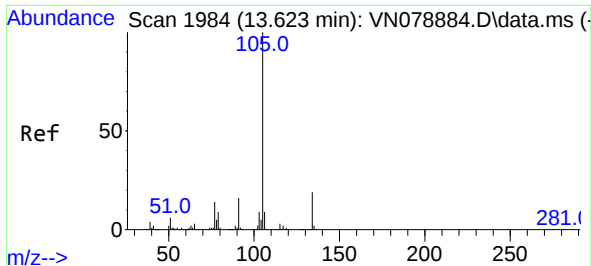
Tgt Ion:119 Resp: 335950  
Ion Ratio Lower Upper  
119 100  
91 68.5 33.9 101.7  
134 27.6 13.2 39.6



#84  
1,2,4-Trimethylbenzene  
Concen: 47.500 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion:105 Resp: 419890  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.0 66.0

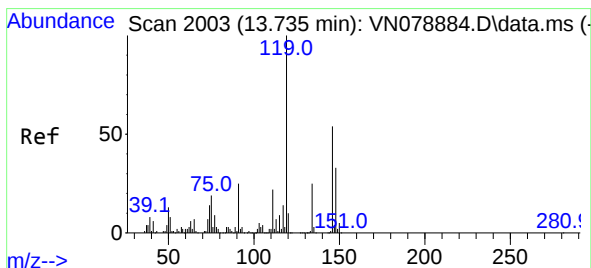
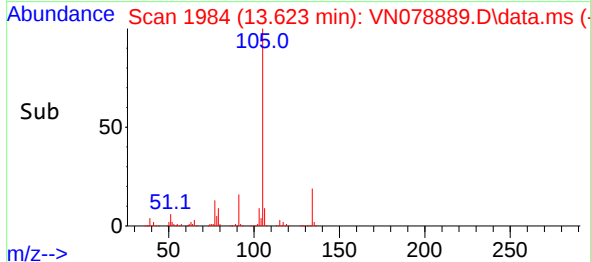
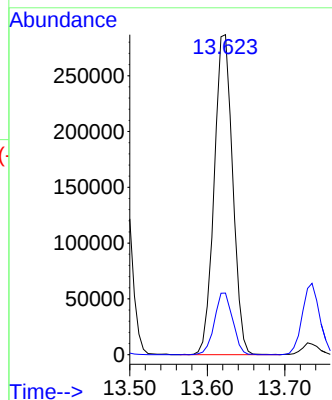
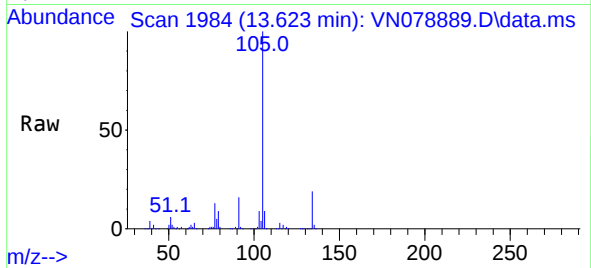




#85  
 sec-Butylbenzene  
 Concen: 45.947 ug/l  
 RT: 13.623 min Scan# 1984  
 Delta R.T. 0.000 min  
 Lab File: VN078889.D  
 Acq: 15 Aug 2023 15:08

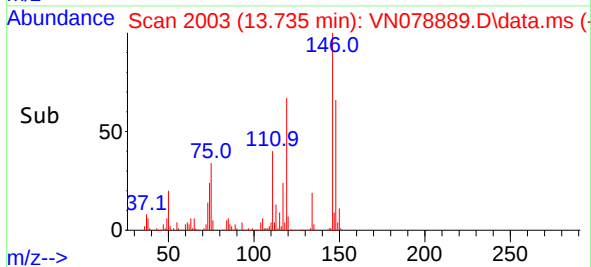
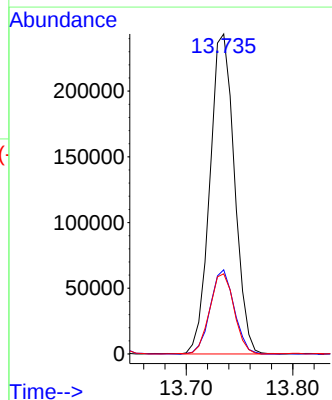
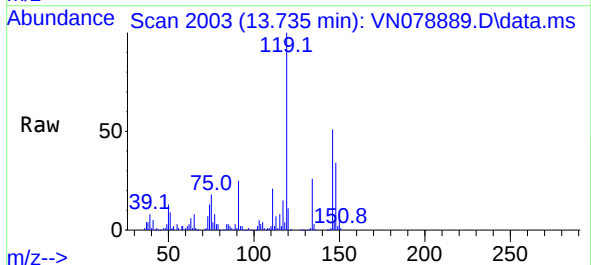
Instrument :  
 MSVOA\_N  
 ClientSampleId :

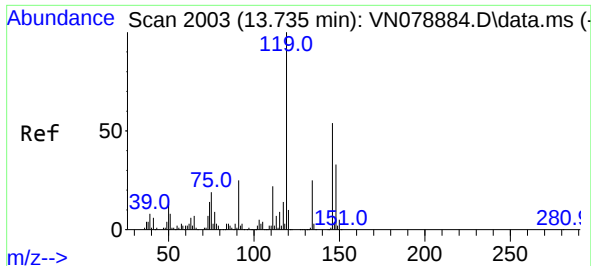
Tgt Ion:105 Resp: 474304  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 47.296 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN078889.D  
 Acq: 15 Aug 2023 15:08

Tgt Ion:119 Resp: 390069  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.6 37.8  
 91 24.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 45.853 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

MSVOA\_N

ClientSampleId :

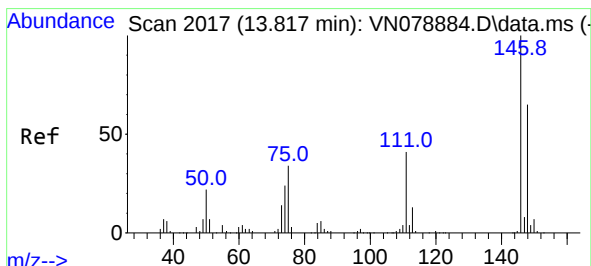
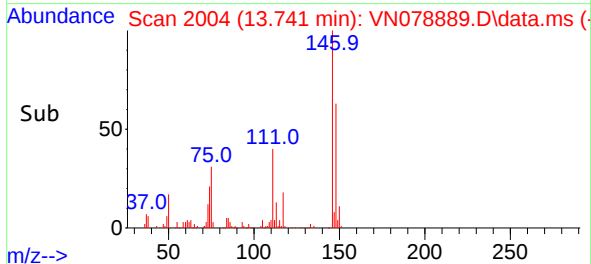
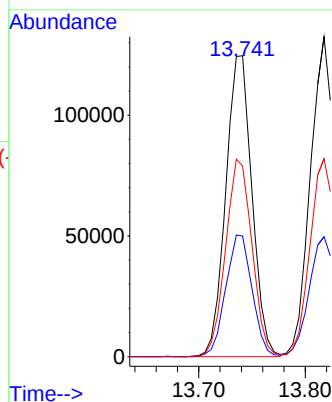
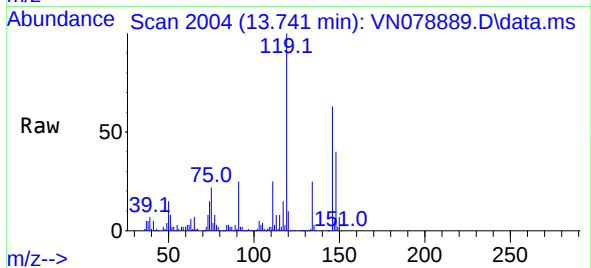
Tgt Ion:146 Resp: 213657

Ion Ratio Lower Upper

146 100

111 40.6 22.1 66.3

148 66.3 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 46.816 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. -0.000 min

Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

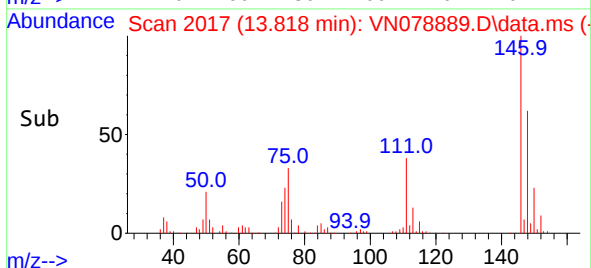
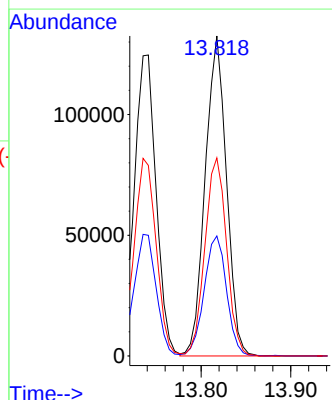
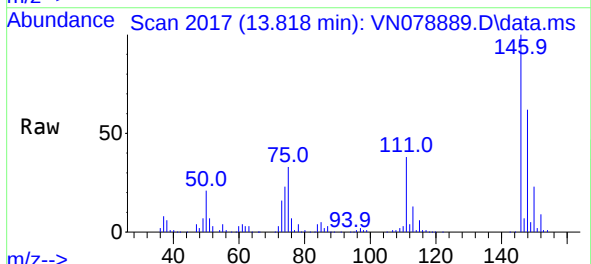
Tgt Ion:146 Resp: 218339

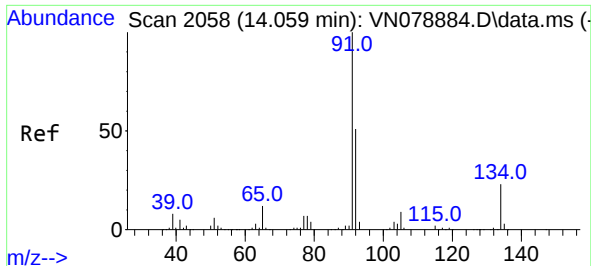
Ion Ratio Lower Upper

146 100

111 39.5 20.6 61.8

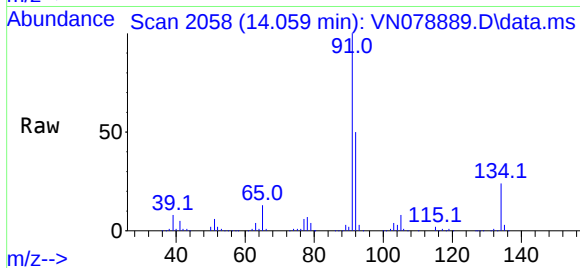
148 63.0 31.6 94.8



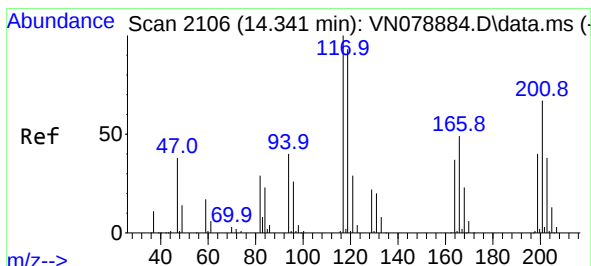
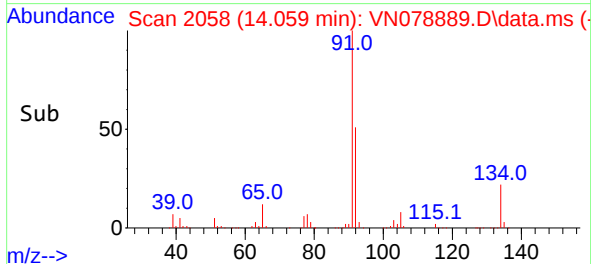
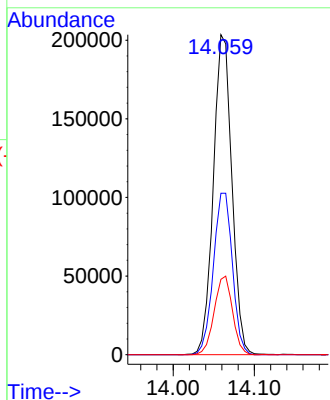


#89  
n-Butylbenzene  
Concen: 47.637 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :

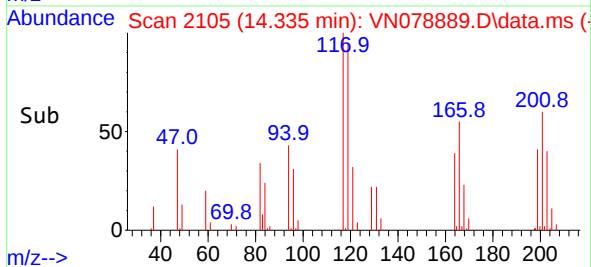
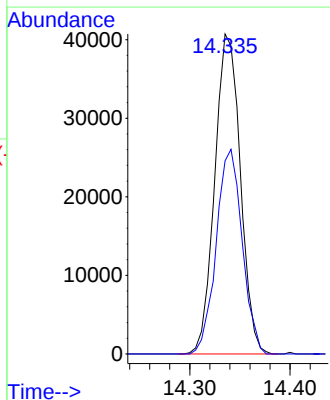
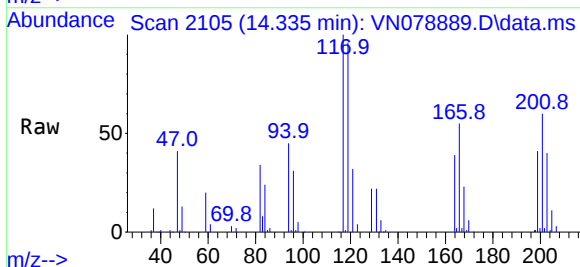


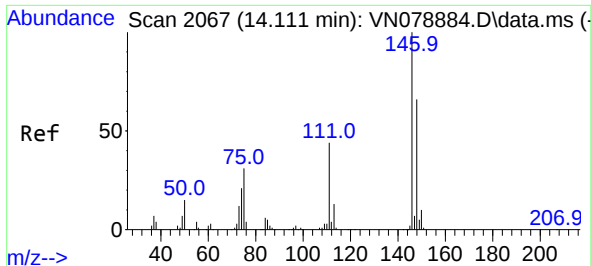
Tgt Ion: 91 Resp: 323321  
Ion Ratio Lower Upper  
91 100  
92 51.9 26.4 79.0  
134 24.2 12.6 37.6



#90  
Hexachloroethane  
Concen: 43.720 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

Tgt Ion: 117 Resp: 72279  
Ion Ratio Lower Upper  
117 100  
201 64.8 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 46.247 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

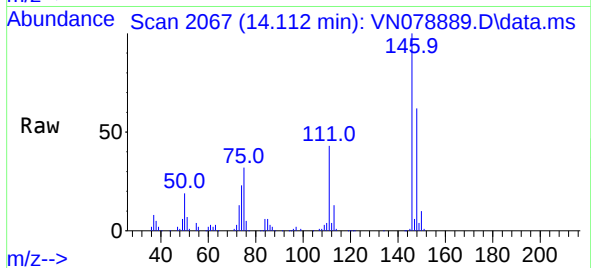
Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Instrument :

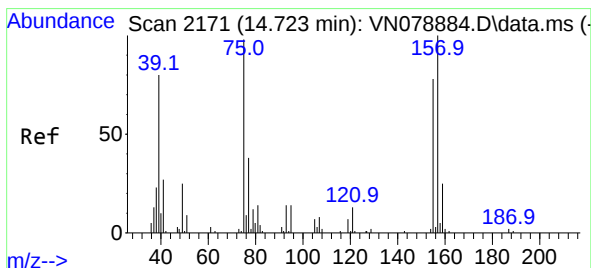
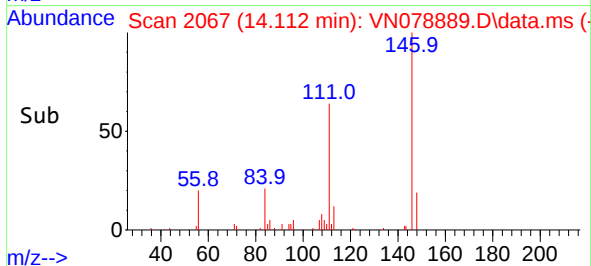
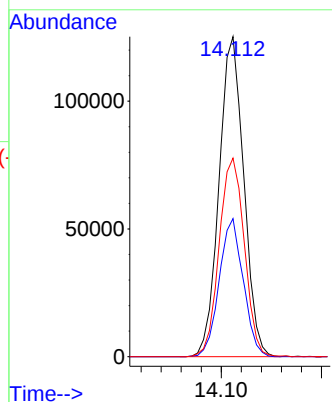
MSVOA\_N

ClientSampleId :



Tgt Ion:146 Resp: 214301

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 42.0  | 22.0  | 66.0  |
| 148 | 63.3  | 31.8  | 95.3  |



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.925 ug/l

RT: 14.723 min Scan# 2171

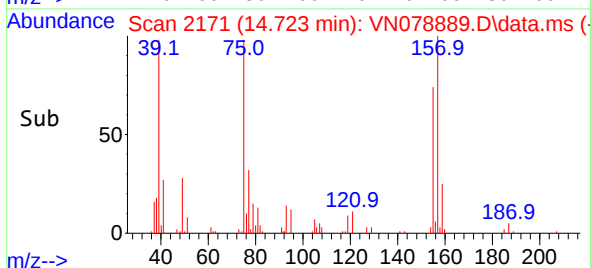
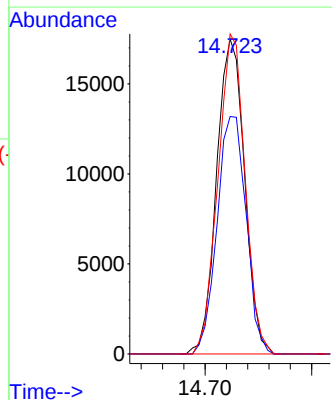
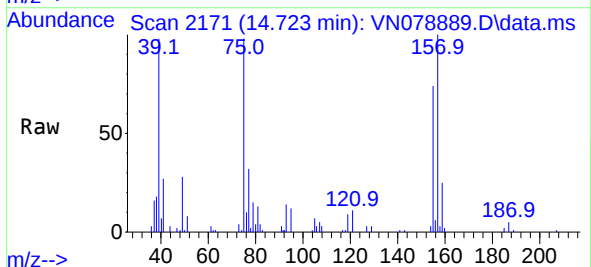
Delta R.T. 0.000 min

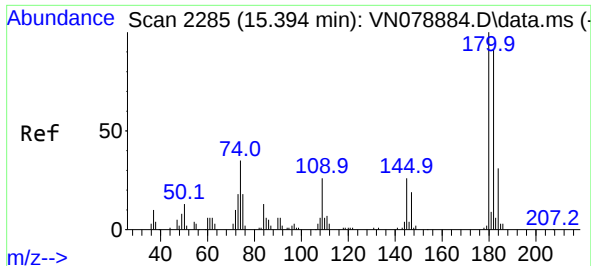
Lab File: VN078889.D

Acq: 15 Aug 2023 15:08

Tgt Ion: 75 Resp: 31744

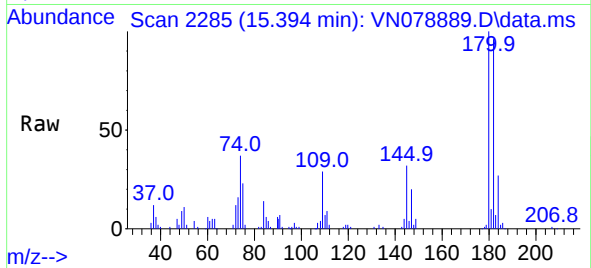
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 78.6  | 39.1  | 117.2 |
| 157 | 99.0  | 50.3  | 150.9 |



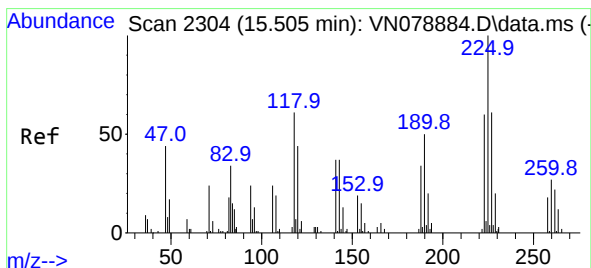
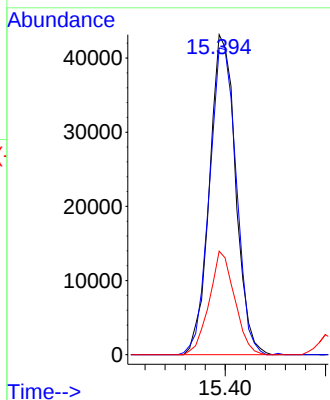
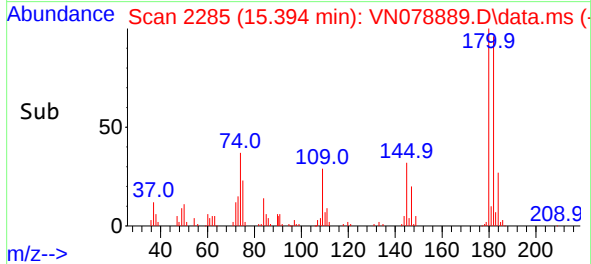


#93  
1,2,4-Trichlorobenzene  
Concen: 47.343 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

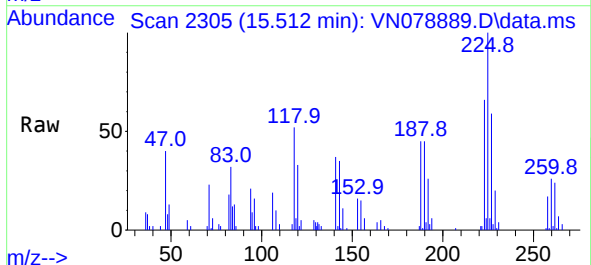
Instrument :  
MSVOA\_N  
ClientSampleId :



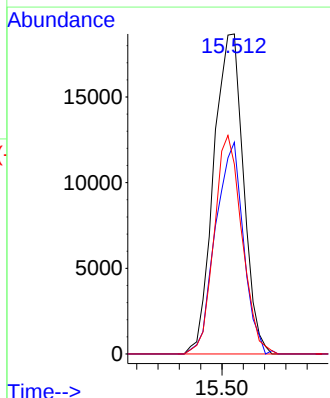
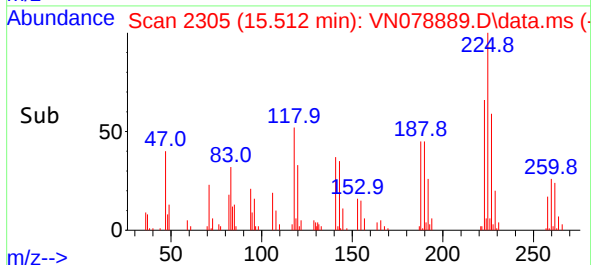
Tgt Ion:180 Resp: 77771  
Ion Ratio Lower Upper  
180 100  
182 99.0 46.1 138.2  
145 31.5 16.6 49.8

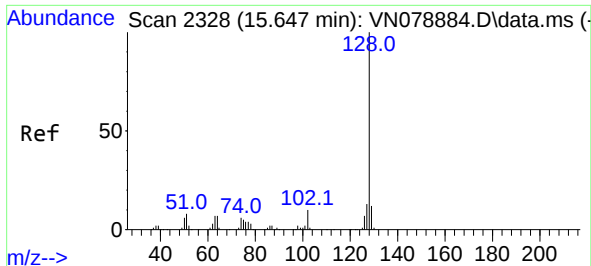


#94  
Hexachlorobutadiene  
Concen: 41.075 ug/l  
RT: 15.512 min Scan# 2305  
Delta R.T. 0.006 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08



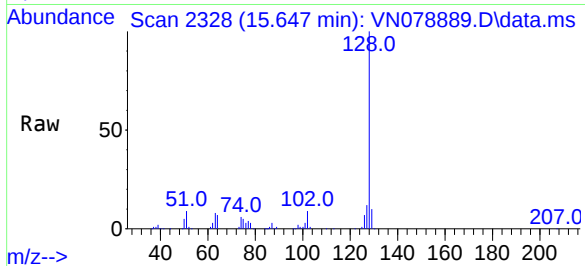
Tgt Ion:225 Resp: 36148  
Ion Ratio Lower Upper  
225 100  
223 62.2 31.3 93.8  
227 64.1 31.9 95.9



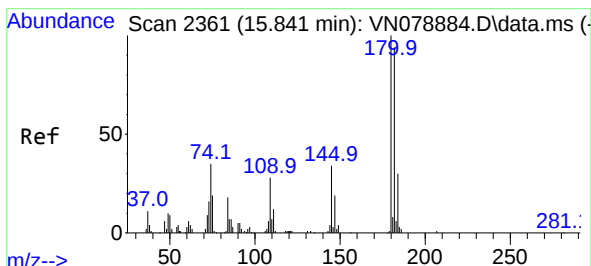
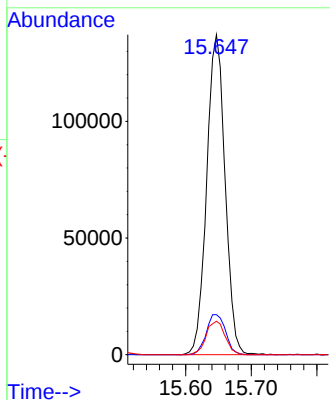
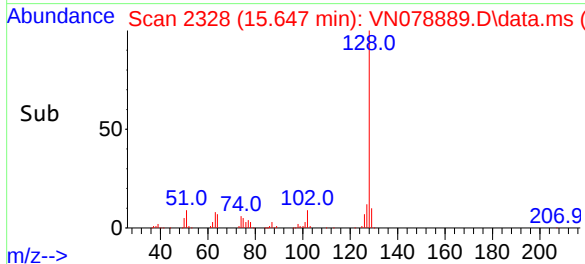


#95  
Naphthalene  
Concen: 43.218 ug/l  
RT: 15.647 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08

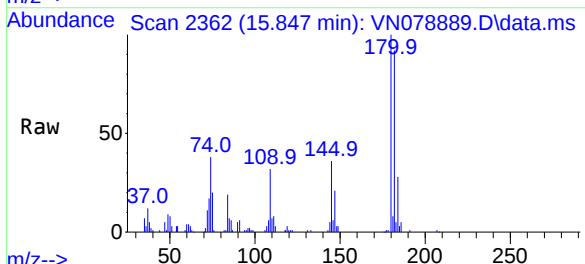
Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:128 Resp: 266787  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.0 15.0  
129 10.8 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 46.707 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN078889.D  
Acq: 15 Aug 2023 15:08



Tgt Ion:180 Resp: 84033  
Ion Ratio Lower Upper  
180 100  
182 90.4 46.2 138.6  
145 33.1 17.5 52.6

