

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121522\  
 Data File : VN075824.D  
 Acq On : 15 Dec 2022 17:47  
 Operator : JC\MD  
 Sample : N6074-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 221214029-02-VOA

Quant Time: Dec 16 03:11:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N121422W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|-----------|--------|----------|
| -----                       |                |      |            |           |        |          |
| Internal Standards          |                |      |            |           |        |          |
| 1) Pentafluorobenzene       | 8.230          | 168  | 370684     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106          | 114  | 572912     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.871         | 117  | 502427     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.794         | 152  | 228188     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.583          | 65   | 192194     | 47.659    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 95.320%   |        |          |
| 35) Dibromofluoromethane    | 8.171          | 113  | 171406     | 48.311    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 96.620%   |        |          |
| 50) Toluene-d8              | 10.571         | 98   | 664905     | 50.123    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 100.240%  |        |          |
| 62) 4-Bromofluorobenzene    | 12.847         | 95   | 219867     | 50.042    | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 83 - 123 |      | Recovery = | 100.080%  |        |          |
| Target Compounds            |                |      |            |           |        |          |
|                             |                |      |            |           | Qvalue |          |
| 4) Vinyl Chloride           | 2.518          | 62   | 1199       | 0.307     | ug/l   | 89       |
| 8) Diethyl Ether            | 3.971          | 74   | 5405       | 2.498     | ug/l   | 98       |
| 11) Tert butyl alcohol      | 5.530          | 59   | 2801342    | 4909.280  | ug/l   | 100      |
| 14) Allyl chloride          | 4.959          | 41   | 26182      | 6.817     | ug/l # | 34       |
| 15) Acrylonitrile           | 5.530          | 53   | 26881      | 17.262    | ug/l # | 21       |
| 16) Acetone                 | 4.442          | 43   | 72899      | 52.440    | ug/l   | 100      |
| 17) Carbon Disulfide        | 4.730          | 76   | 4072       | 0.512     | ug/l # | 91       |
| 19) Methyl tert-butyl Ether | 5.812          | 73   | 14705      | 1.359     | ug/l # | 89       |
| 20) Methylene Chloride      | 5.295          | 84   | 171        | Below Cal | #      | 12       |
| 25) 2-Butanone              | 7.441          | 43   | 123150     | 63.269    | ug/l # | 68       |
| 26) 2,2-Dichloropropane     | 7.441          | 77   | 170116     | 32.285    | ug/l # | 50       |
| 27) cis-1,2-Dichloroethene  | 7.500          | 96   | 3535       | 0.821     | ug/l # | 13       |
| 28) Bromochloromethane      | 7.836          | 49   | 1472       | 0.540     | ug/l # | 4        |
| 29) Tetrahydrofuran         | 7.841          | 42   | 815858     | 668.848   | ug/l   | 99       |
| 31) Cyclohexane             | 8.230          | 56   | 7313       | 1.266     | ug/l # | 8        |
| 37) Ethyl Acetate           | 7.559          | 43   | 8018       | 2.118     | ug/l # | 65       |
| 38) Carbon Tetrachloride    | 8.230          | 117  | 36333      | 6.888     | ug/l # | 16       |
| 40) Benzene                 | 8.612          | 78   | 44751      | 3.077     | ug/l   | 96       |
| 41) Methacrylonitrile       | 7.841          | 41   | 457956     | 232.723   | ug/l # | 39       |
| 42) 1,2-Dichloroethane      | 8.677          | 62   | 1635       | 0.338     | ug/l # | 72       |
| 43) Isopropyl Acetate       | 8.659          | 43   | 10460      | 1.675     | ug/l # | 50       |
| 49) 1,4-Dioxane             | 9.694          | 88   | 4802       | 69.446    | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone    | 10.571         | 43   | 11628      | 3.079     | ug/l   | 88       |
| 52) Toluene                 | 10.635         | 92   | 67855      | 7.165     | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane   | 10.924         | 97   | 1627       | 0.438     | ug/l # | 40       |
| 59) 2-Hexanone              | 11.059         | 43   | 13306      | 4.831     | ug/l   | 63       |
| 65) Chlorobenzene           | 11.894         | 112  | 8777       | 0.851     | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.965         | 91   | 32873      | 1.889     | ug/l   | 96       |
| 68) m/p-Xylenes             | 12.071         | 106  | 50549      | 7.338     | ug/l   | 99       |
| 69) o-Xylene                | 12.400         | 106  | 35894      | 5.265     | ug/l   | 97       |
| 70) Styrene                 | 12.406         | 104  | 4761       | 0.439     | ug/l # | 1        |
| 71) Bromoform               | 12.847         | 173  | 1601       | 0.576     | ug/l # | 1        |
| 73) Isopropylbenzene        | 12.700         | 105  | 13400      | 0.813     | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane  | 12.853         | 75   | 111893     | 24.326    | ug/l # | 1        |
| 79) 2-Chlorotoluene         | 13.094         | 91   | 2388       | 0.210     | ug/l   | 85       |
| 80) 1,3,5-Trimethylbenzene  | 13.176         | 105  | 11751      | 0.851     | ug/l   | 92       |

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 Quant Title : SW846 8260  
 QLast Update : Wed Dec 14 13:03:41 2022  
 Response via : Initial Calibration

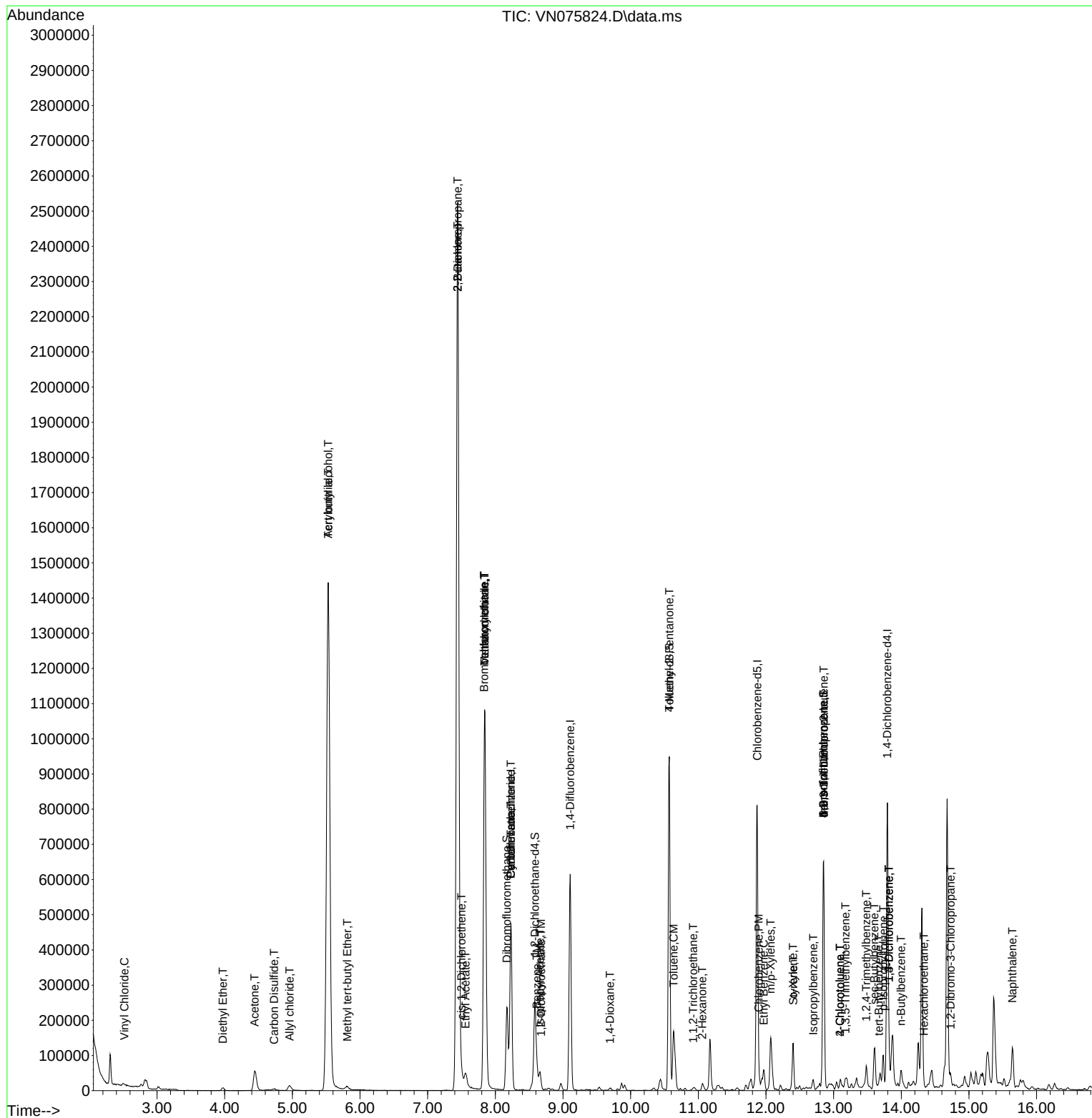
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75   | 111893   | 87.562 | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 13.094 | 91   | 2388     | 0.210  | ug/l   | 85       |
| 83) tert-Butylbenzene         | 13.670 | 119  | 2959     | 0.243  | ug/l   | 78       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 33734    | 2.464  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.600 | 105  | 5010     | 0.298  | ug/l # | 41       |
| 86) p-Isopropyltoluene        | 13.735 | 119  | 51448    | 3.681  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.818 | 146  | 21528    | 2.793  | ug/l   | 88       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 21528    | 2.734  | ug/l   | 88       |
| 89) n-Butylbenzene            | 13.994 | 91   | 4515     | 0.399  | ug/l # | 44       |
| 90) Hexachloroethane          | 14.335 | 117  | 975      | 0.390  | ug/l # | 11       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 319      | 0.353  | ug/l # | 1        |
| 95) Naphthalene               | 15.641 | 128  | 113298   | 10.903 | ug/l   | 100      |
| -----                         |        |      |          |        |        |          |

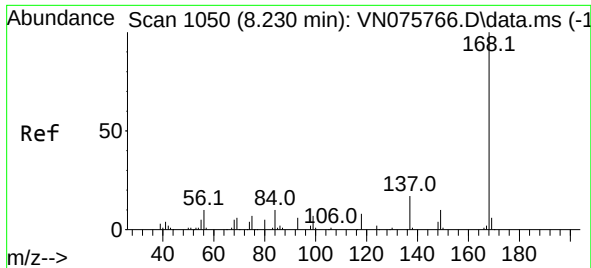
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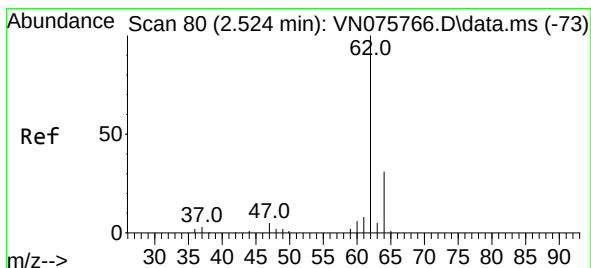
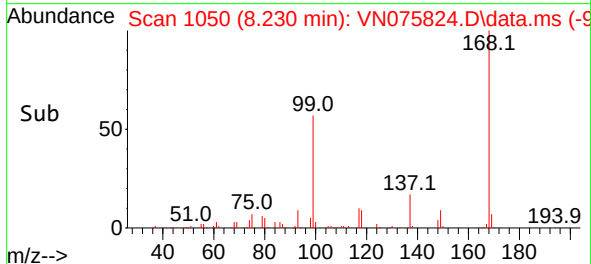
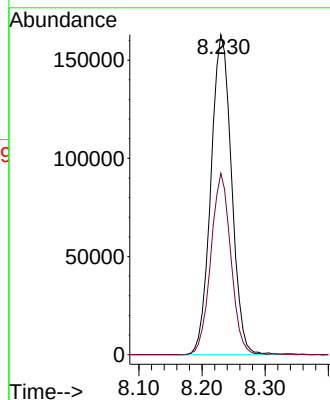
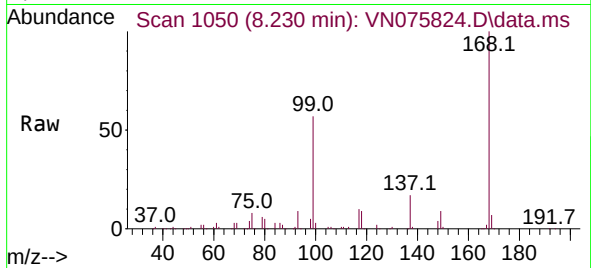




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

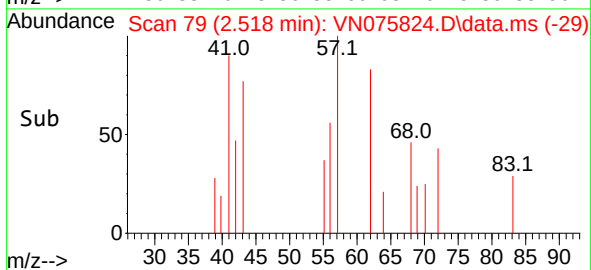
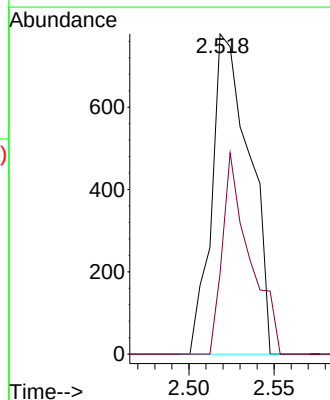
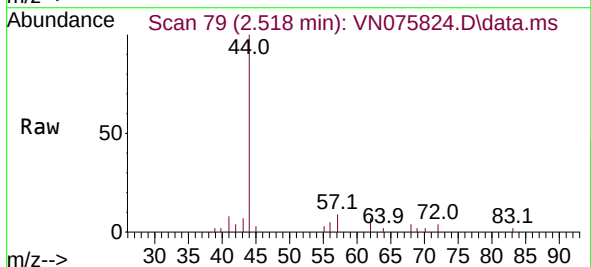
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

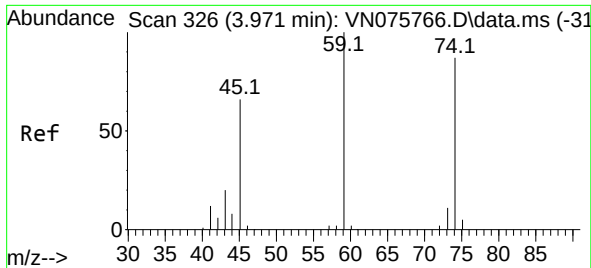
Tgt Ion:168 Resp: 370684  
Ion Ratio Lower Upper  
168 100  
99 56.6 44.2 66.4



#4  
Vinyl Chloride  
Concen: 0.307 ug/l  
RT: 2.518 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 62 Resp: 1199  
Ion Ratio Lower Upper  
62 100  
64 25.2 24.9 37.3





#8

Diethyl Ether

Concen: 2.498 ug/l

RT: 3.971 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

Instrument :

MSVOA\_N

ClientSampleId :

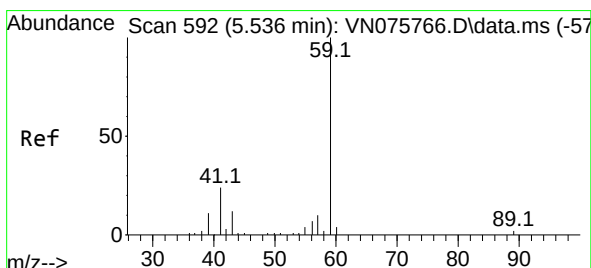
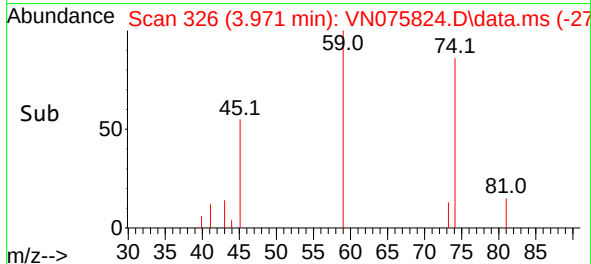
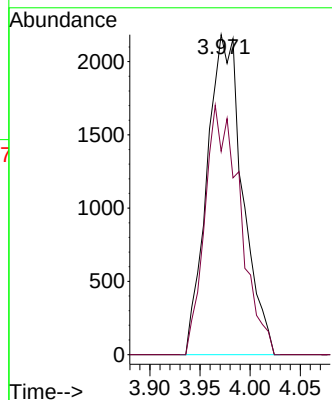
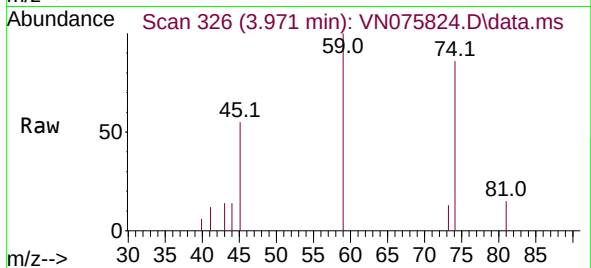
221214029-02-VOA

Tgt Ion: 74 Resp: 5405

Ion Ratio Lower Upper

74 100

45 77.0 37.8 113.4



#11

Tert butyl alcohol

Concen: 4909.280 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN075824.D

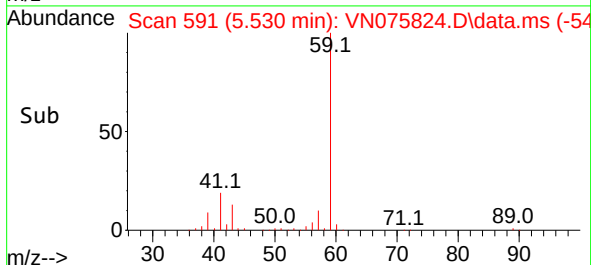
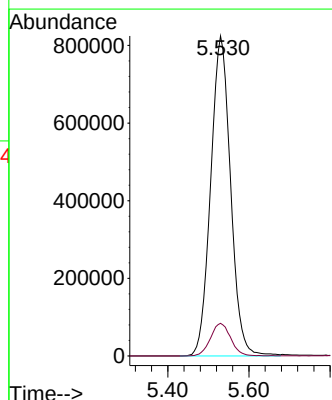
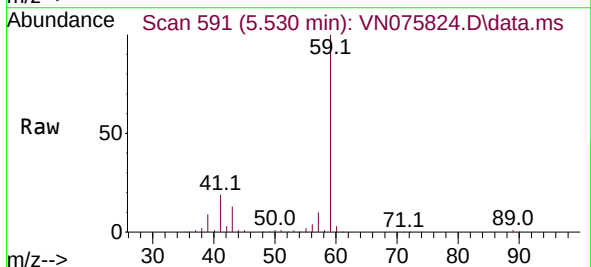
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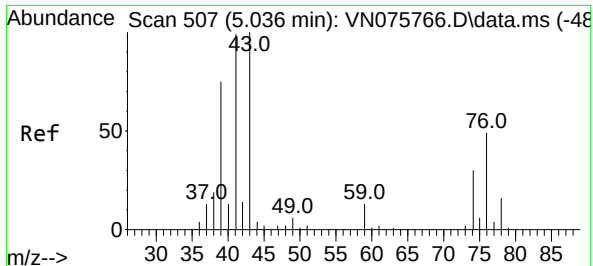
Tgt Ion: 59 Resp: 2801342

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4

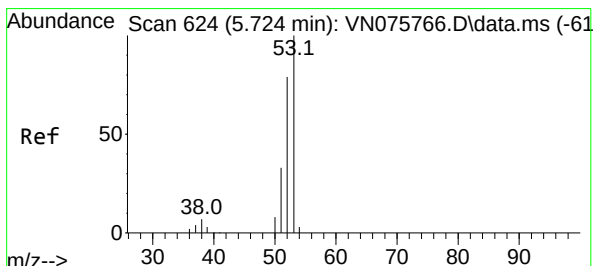
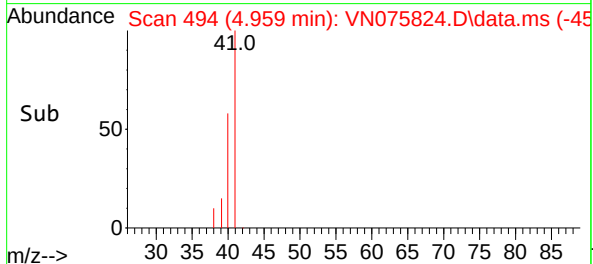
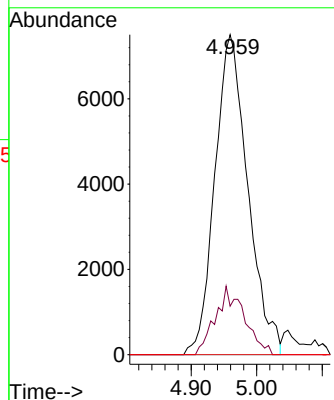
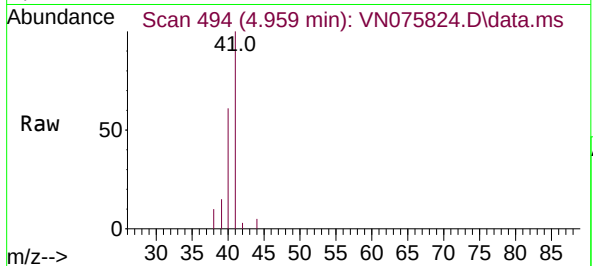




#14  
 Allyl chloride  
 Concen: 6.817 ug/l  
 RT: 4.959 min Scan# 494  
 Delta R.T. -0.076 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

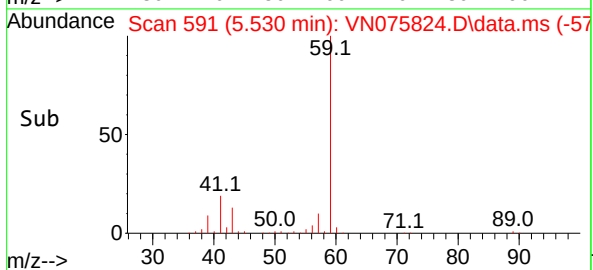
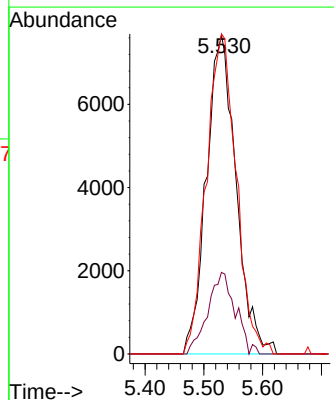
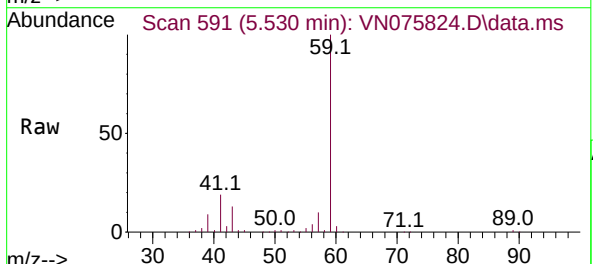
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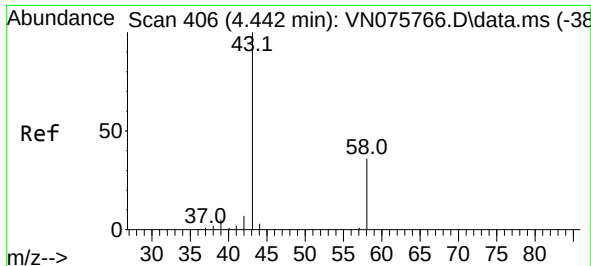
Tgt Ion: 41 Resp: 26182  
 Ion Ratio Lower Upper  
 41 100  
 39 18.8 58.3 87.5#  
 76 0.0 35.8 53.6#



#15  
 Acrylonitrile  
 Concen: 17.262 ug/l  
 RT: 5.530 min Scan# 591  
 Delta R.T. -0.194 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

Tgt Ion: 53 Resp: 26881  
 Ion Ratio Lower Upper  
 53 100  
 52 23.7 65.4 98.0#  
 51 101.0 28.9 43.3#





#16

Acetone

Concen: 52.440 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.000 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

Instrument :

MSVOA\_N

ClientSampleId :

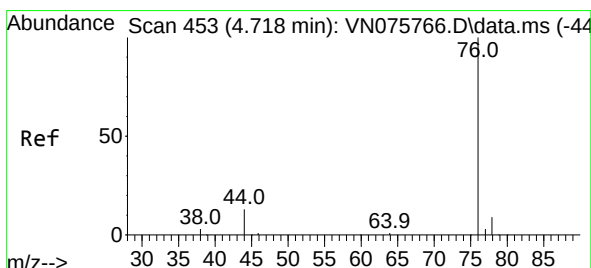
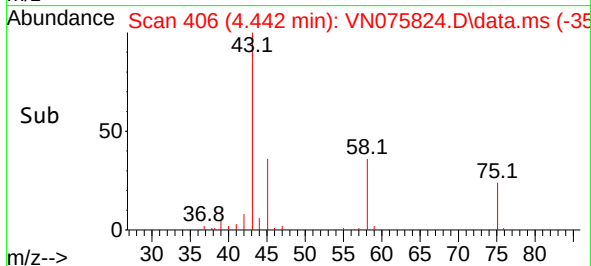
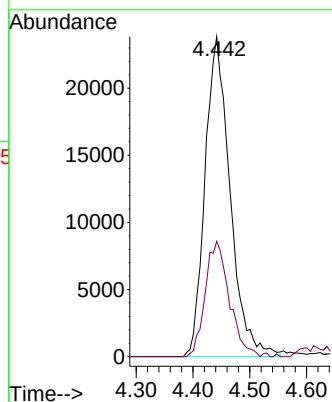
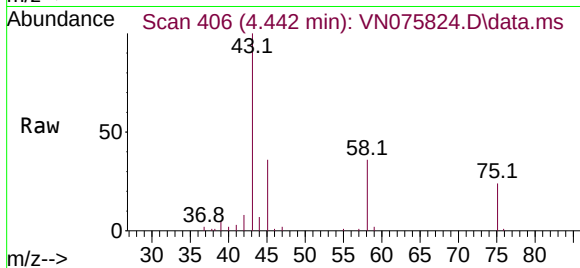
221214029-02-VOA

Tgt Ion: 43 Resp: 72899

Ion Ratio Lower Upper

43 100

58 36.1 28.6 43.0



#17

Carbon Disulfide

Concen: 0.512 ug/l

RT: 4.730 min Scan# 455

Delta R.T. 0.012 min

Lab File: VN075824.D

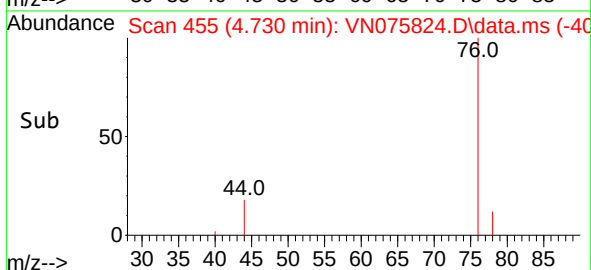
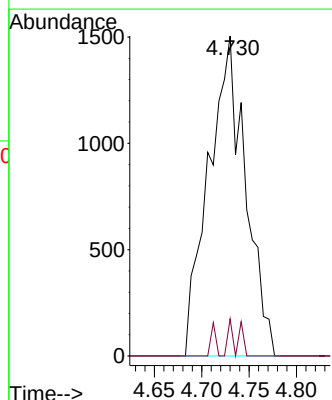
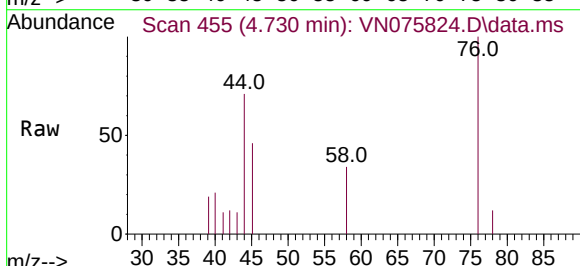
Acq: 15 Dec 2022 17:47

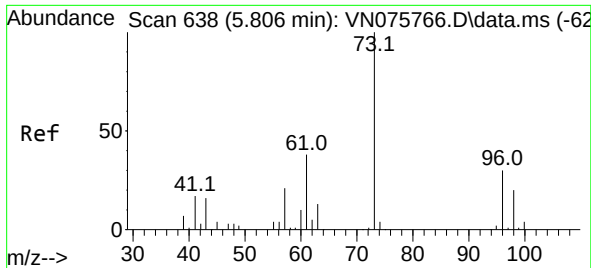
Tgt Ion: 76 Resp: 4072

Ion Ratio Lower Upper

76 100

78 11.6 6.8 10.2#

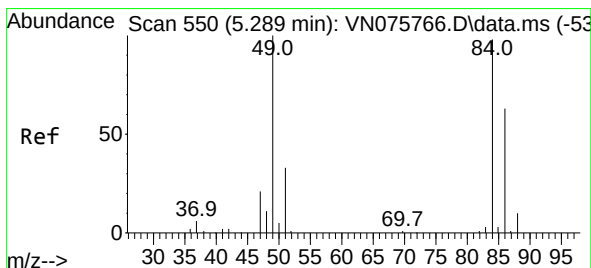
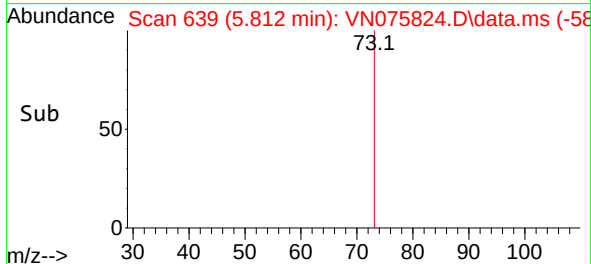
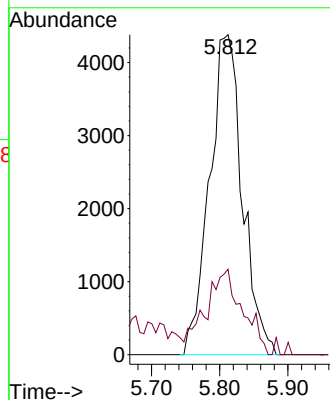
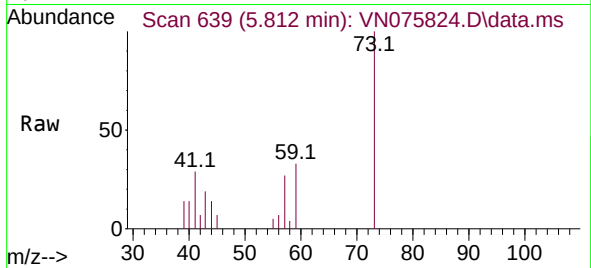




#19  
Methyl tert-butyl Ether  
Concen: 1.359 ug/l  
RT: 5.812 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

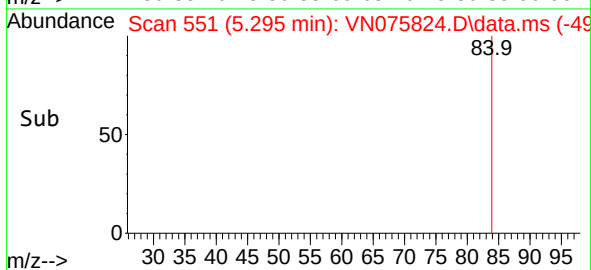
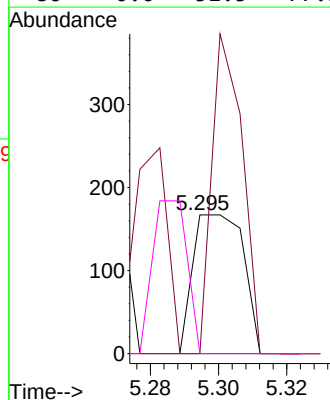
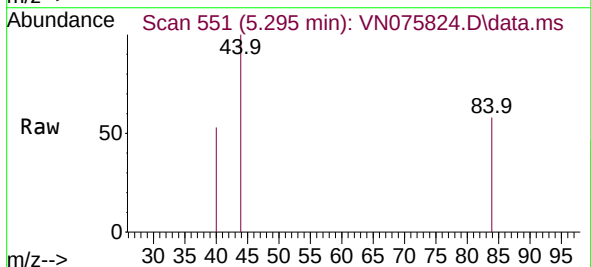
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Tgt Ion: 73 Resp: 14705  
Ion Ratio Lower Upper  
73 100  
57 26.7 17.1 25.7#

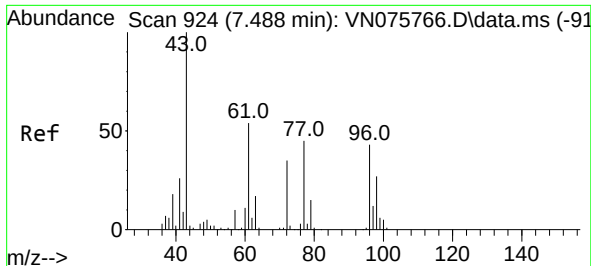


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 5.295 min Scan# 551  
Delta R.T. 0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 84 Resp: 171  
Ion Ratio Lower Upper  
84 100  
49 0.0 81.8 122.6#  
51 0.0 26.7 40.1#  
86 0.0 51.5 77.3#



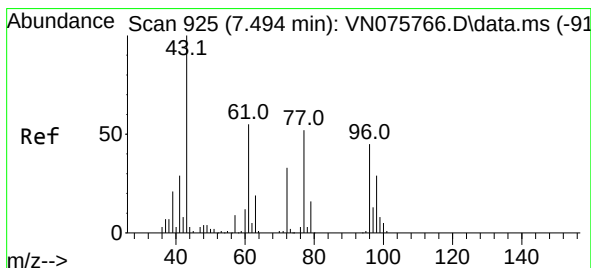
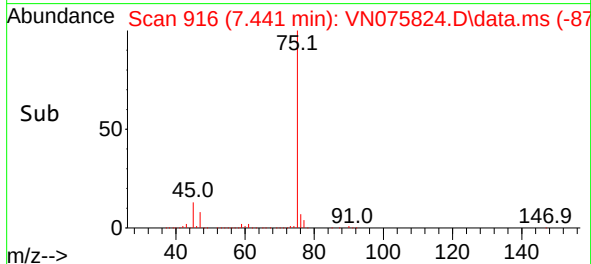
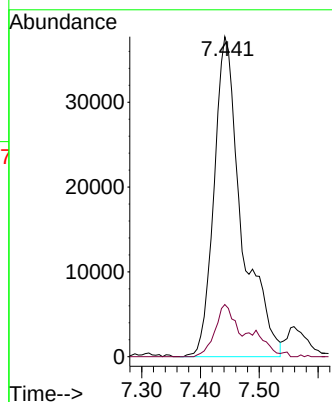
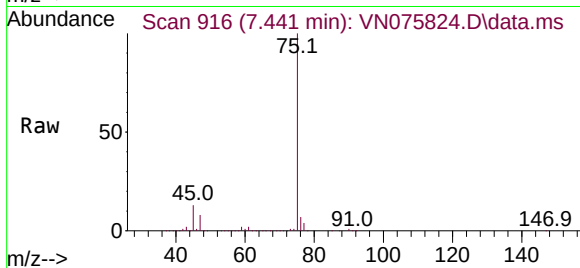




#25  
2-Butanone  
Concen: 63.269 ug/l  
RT: 7.441 min Scan# 916  
Delta R.T. -0.047 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

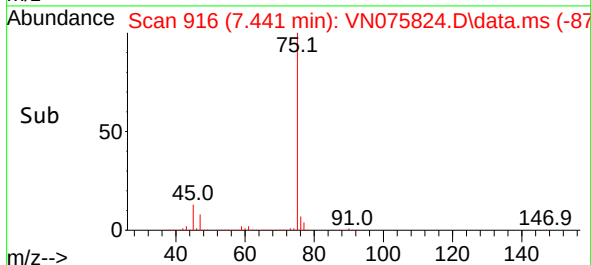
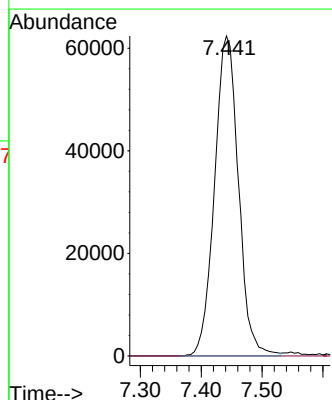
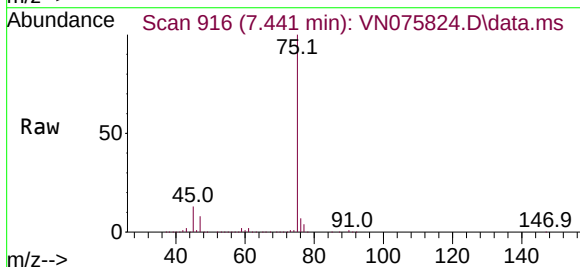
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

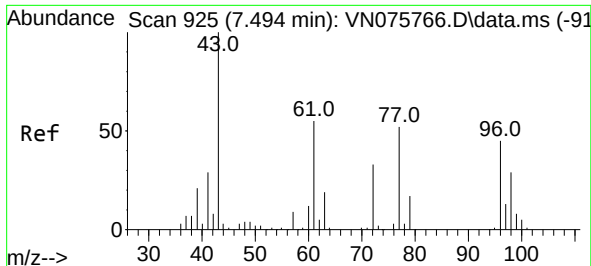
Tgt Ion: 43 Resp: 123150  
Ion Ratio Lower Upper  
43 100  
72 16.3 28.0 42.0#



#26  
2,2-Dichloropropane  
Concen: 32.285 ug/l  
RT: 7.441 min Scan# 916  
Delta R.T. -0.053 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 77 Resp: 170116  
Ion Ratio Lower Upper  
77 100  
97 0.0 12.7 38.0#

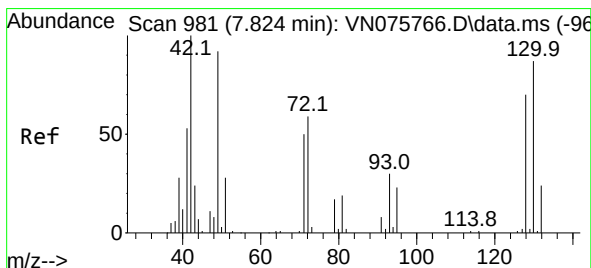
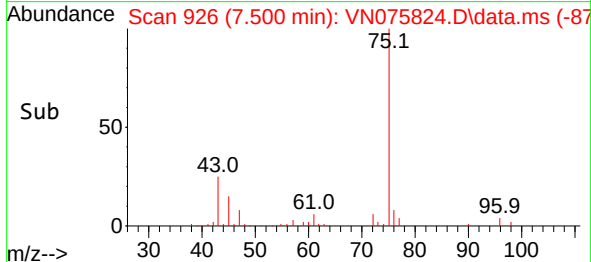
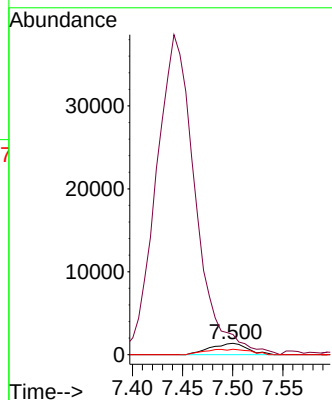
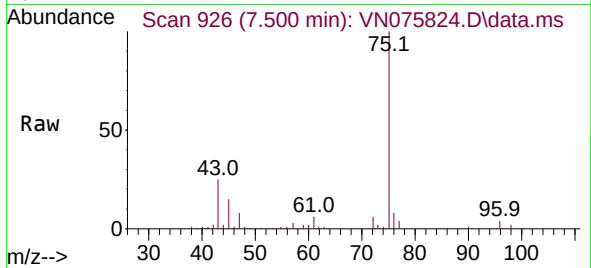




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.821 ug/l  
 RT: 7.500 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

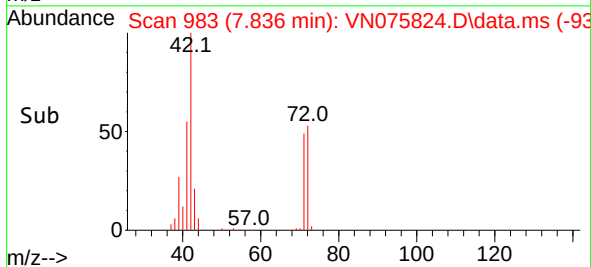
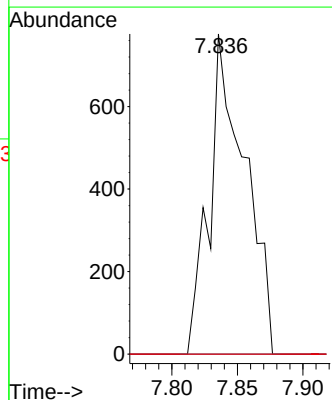
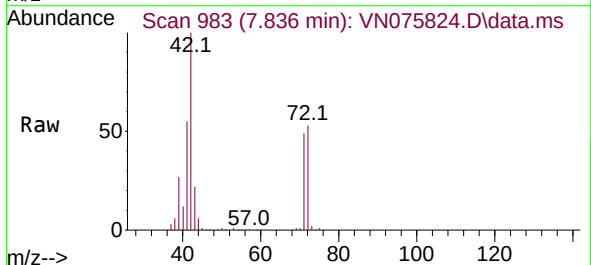
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 221214029-02-VOA

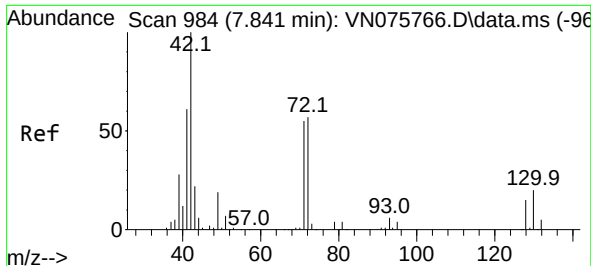
Tgt Ion: 96 Resp: 3535  
 Ion Ratio Lower Upper  
 96 100  
 61 0.0 0.0 247.8  
 98 30.9 0.0 128.4



#28  
 Bromochloromethane  
 Concen: 0.540 ug/l  
 RT: 7.836 min Scan# 983  
 Delta R.T. 0.012 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

Tgt Ion: 49 Resp: 1472  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 5.0  
 130 0.0 77.0 115.4#





#29

Tetrahydrofuran

Concen: 668.848 ug/l

RT: 7.841 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075824.D

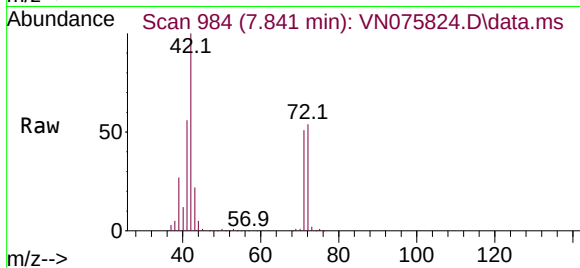
Acq: 15 Dec 2022 17:47

Instrument :

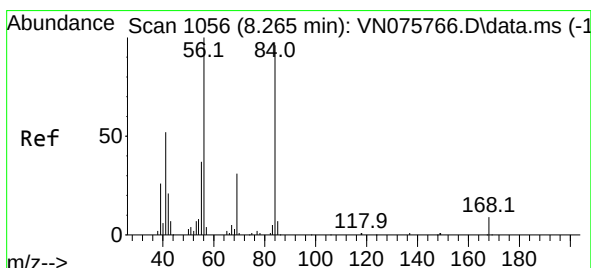
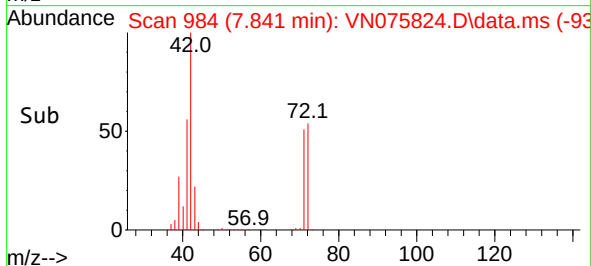
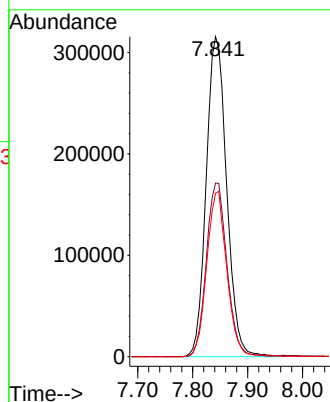
MSVOA\_N

ClientSampleId :

221214029-02-VOA



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 815858 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 54.8  | 44.5  | 66.7   |
| 71       | 50.7  | 41.0  | 61.6   |



#31

Cyclohexane

Concen: 1.266 ug/l

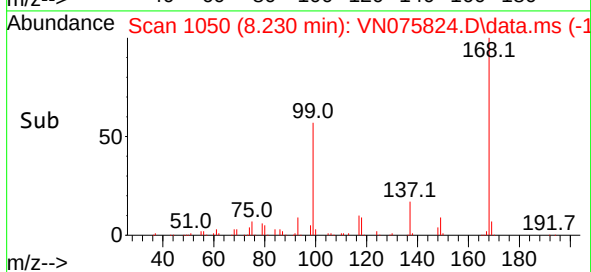
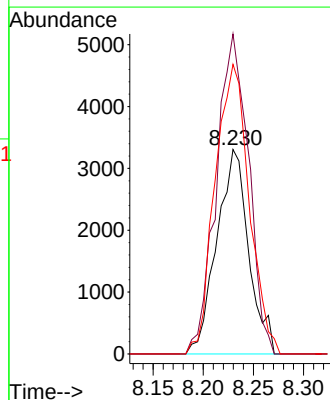
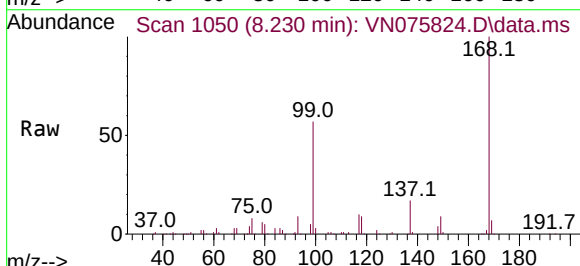
RT: 8.230 min Scan# 1050

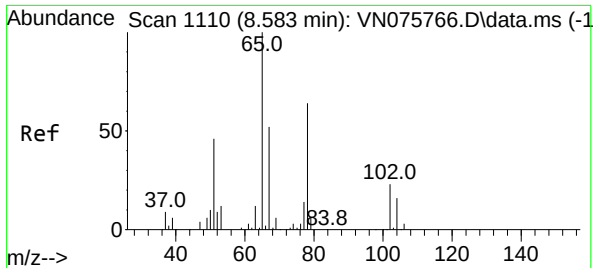
Delta R.T. -0.035 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7313   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 156.5 | 24.7  | 37.1#  |
| 84       | 141.6 | 76.5  | 114.7# |

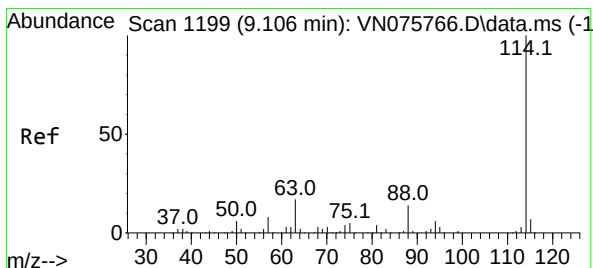
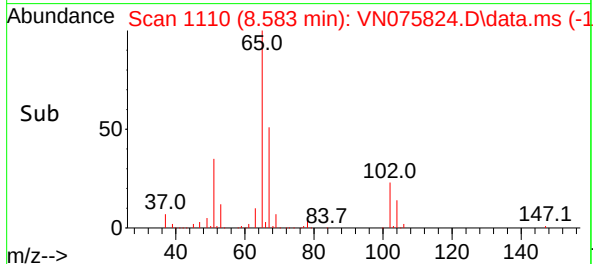
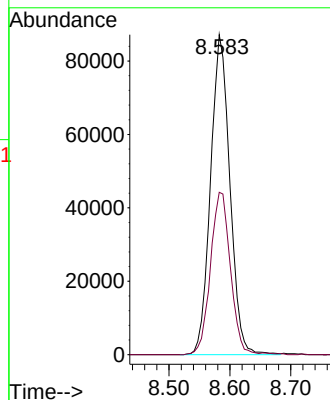
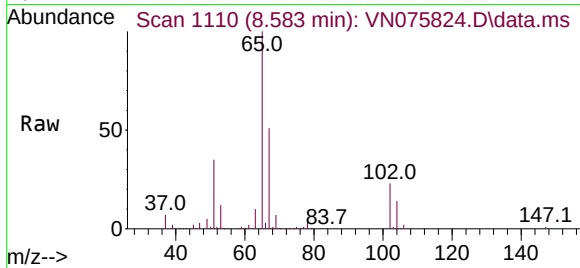




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.659 ug/l  
 RT: 8.583 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

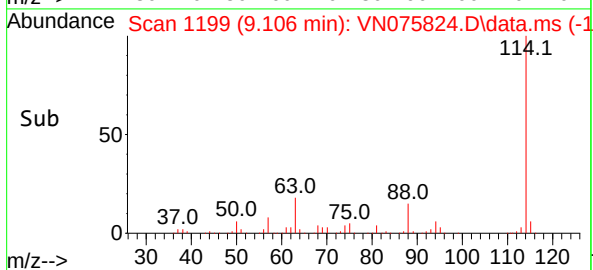
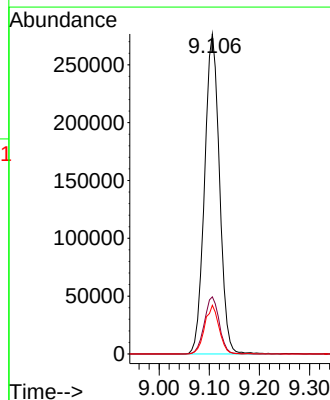
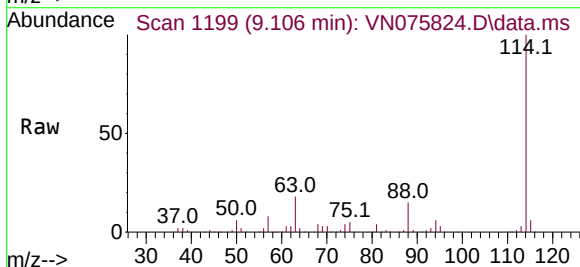
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 221214029-02-VOA

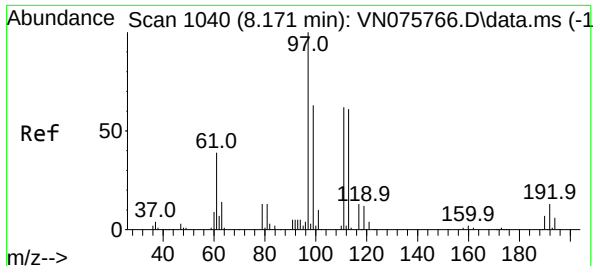
Tgt Ion: 65 Resp: 192194  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 103.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.106 min Scan# 1199  
 Delta R.T. 0.000 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

Tgt Ion: 114 Resp: 572912  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 34.4  
 88 15.2 0.0 28.8

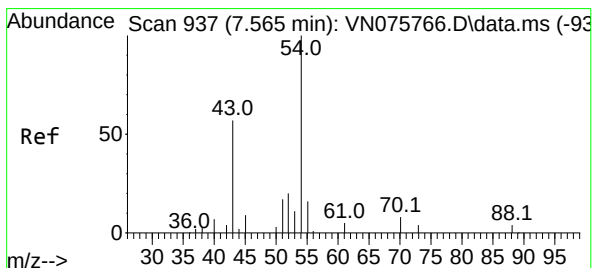
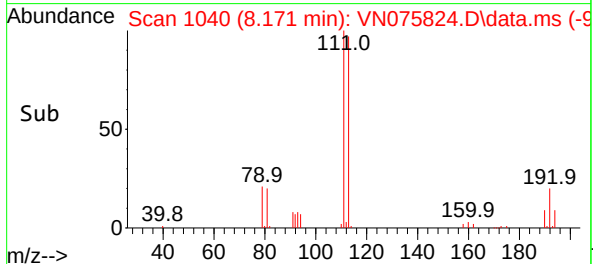
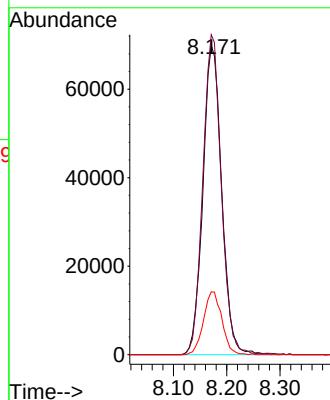
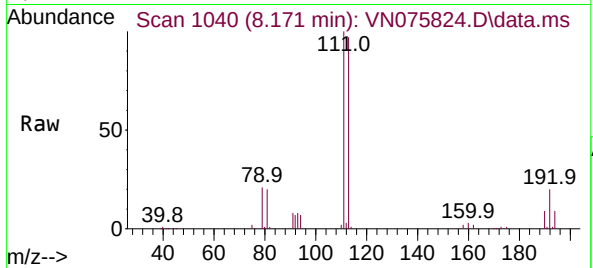




#35  
Dibromofluoromethane  
Concen: 48.311 ug/l  
RT: 8.171 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

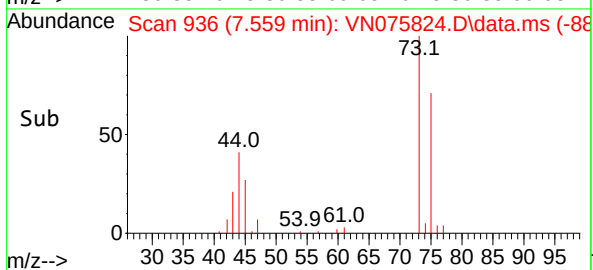
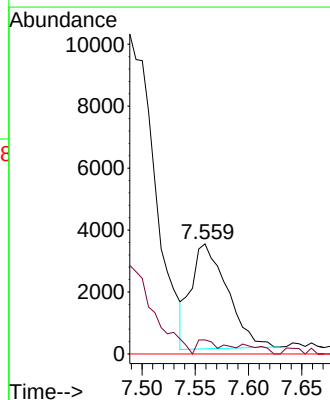
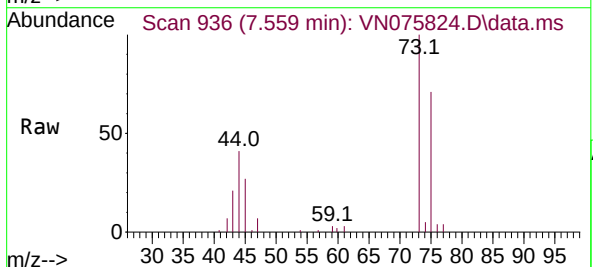
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

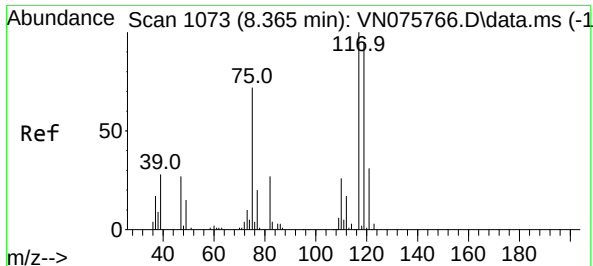
Tgt Ion:113 Resp: 171406  
Ion Ratio Lower Upper  
113 100  
111 101.4 83.4 125.2  
192 19.9 16.1 24.1



#37  
Ethyl Acetate  
Concen: 2.118 ug/l  
RT: 7.559 min Scan# 936  
Delta R.T. -0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 43 Resp: 8018  
Ion Ratio Lower Upper  
43 100  
61 0.0 13.0 19.4#  
70 0.0 9.4 14.0#

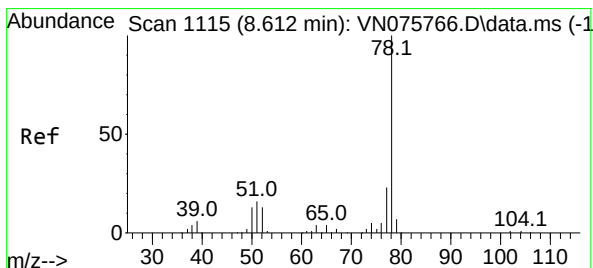
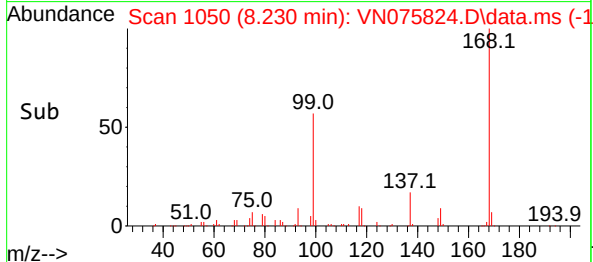
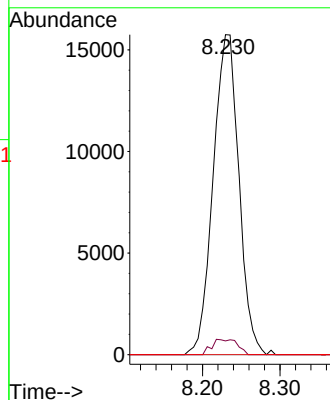
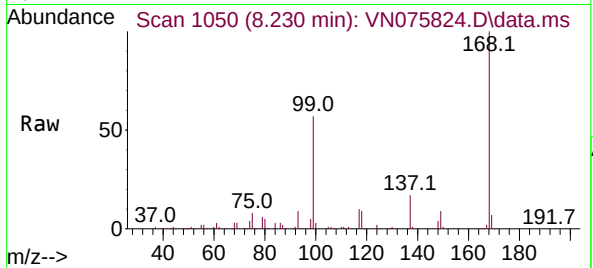




#38  
Carbon Tetrachloride  
Concen: 6.888 ug/l  
RT: 8.230 min Scan# 1105  
Delta R.T. -0.135 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

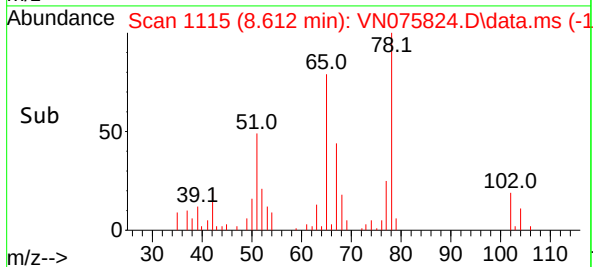
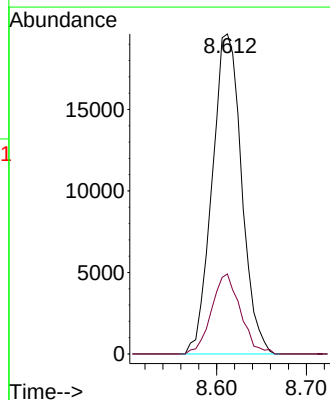
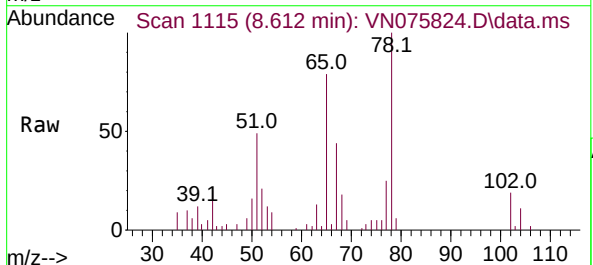
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

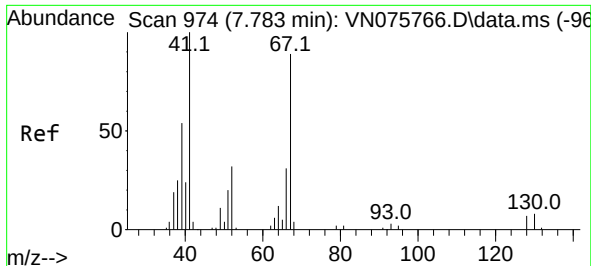
Tgt Ion:117 Resp: 36333  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.1 114.1#  
121 0.0 24.5 36.7#



#40  
Benzene  
Concen: 3.077 ug/l  
RT: 8.612 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 78 Resp: 44751  
Ion Ratio Lower Upper  
78 100  
77 25.0 18.5 27.7

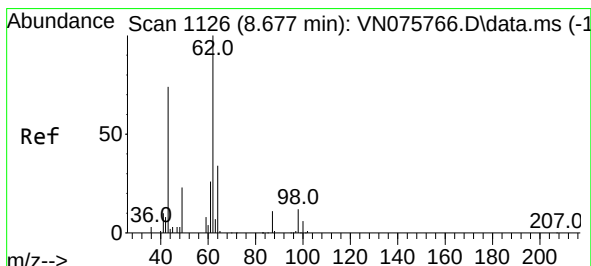
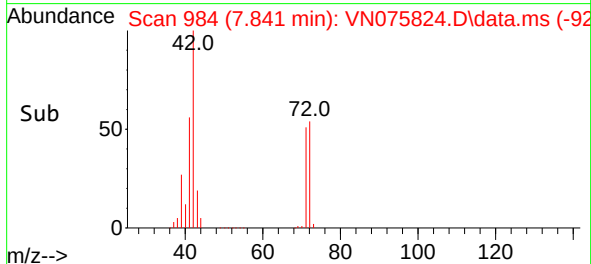
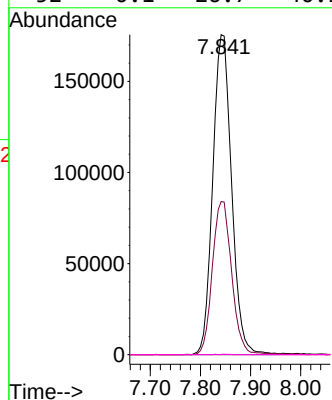
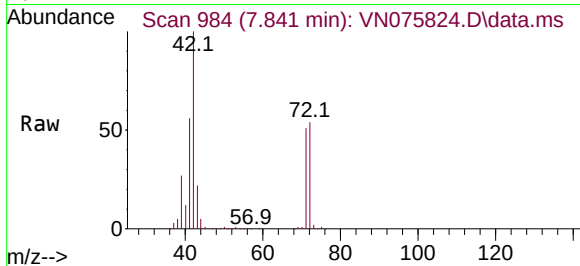




#41  
Methacrylonitrile  
Concen: 232.723 ug/l  
RT: 7.841 min Scan# 91  
Delta R.T. 0.059 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

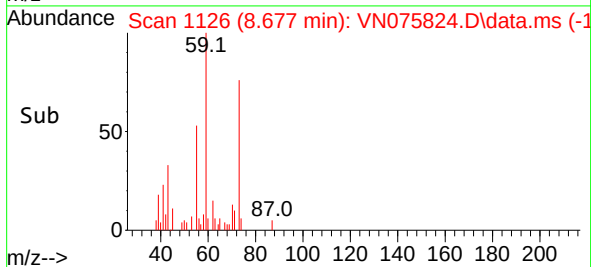
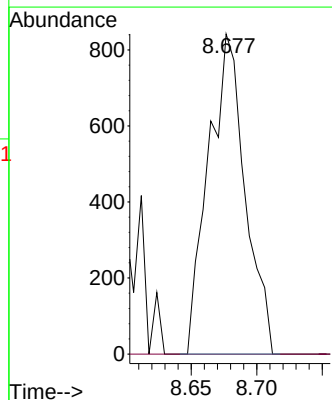
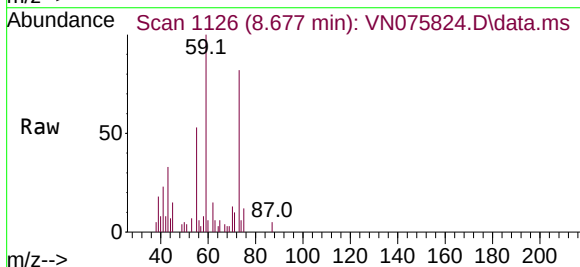
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

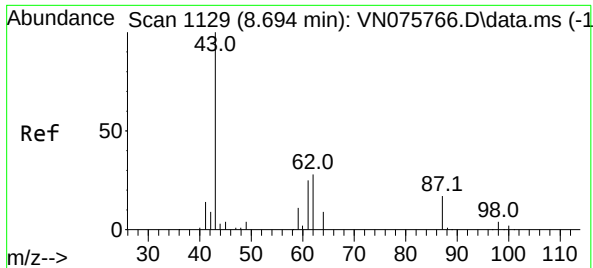
Tgt Ion: 41 Resp: 457956  
Ion Ratio Lower Upper  
41 100  
39 49.2 43.1 64.7  
67 0.0 70.7 106.1#  
52 0.1 26.7 40.1#



#42  
1,2-Dichloroethane  
Concen: 0.338 ug/l  
RT: 8.677 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 62 Resp: 1635  
Ion Ratio Lower Upper  
62 100  
98 0.0 0.0 20.8

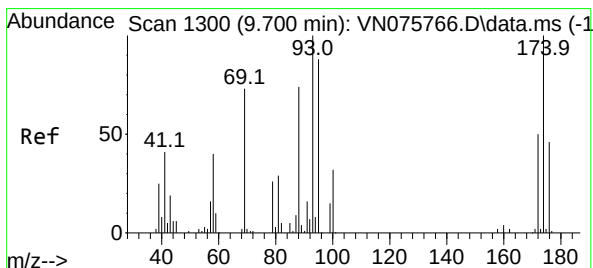
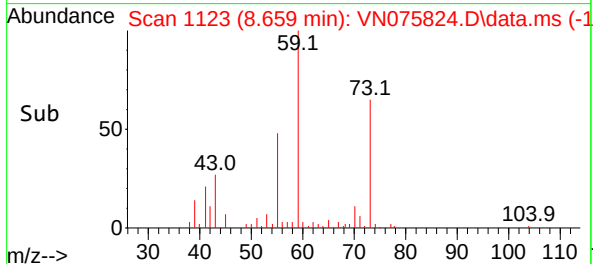
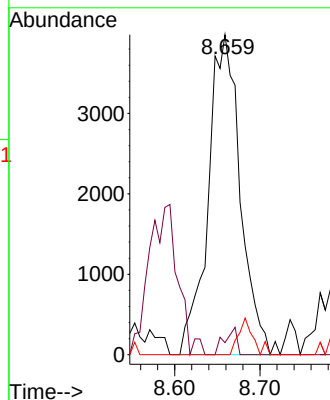
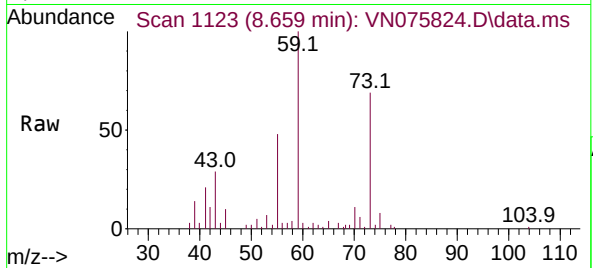




#43  
Isopropyl Acetate  
Concen: 1.675 ug/l  
RT: 8.659 min Scan# 1123  
Delta R.T. -0.035 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

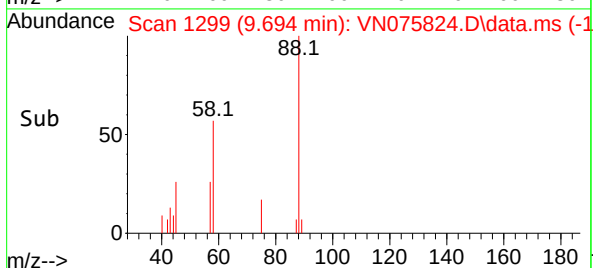
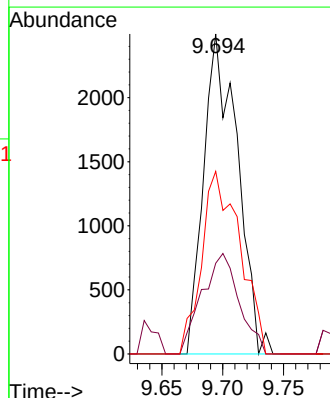
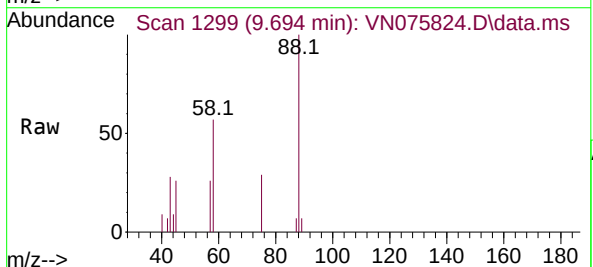
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

Tgt Ion: 43 Resp: 10460  
Ion Ratio Lower Upper  
43 100  
61 0.0 24.2 36.4#  
87 0.0 13.3 19.9#

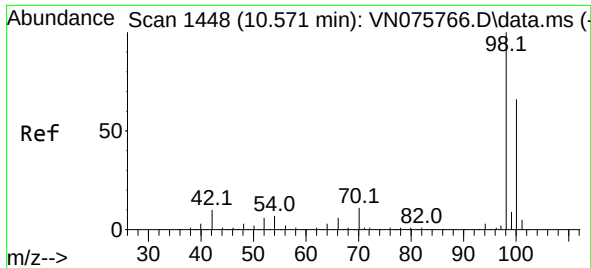


#49  
1,4-Dioxane  
Concen: 69.446 ug/l  
RT: 9.694 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 88 Resp: 4802  
Ion Ratio Lower Upper  
88 100  
43 34.7 17.1 25.7#  
58 64.8 47.8 71.8



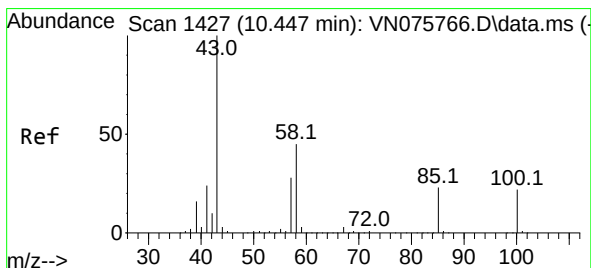
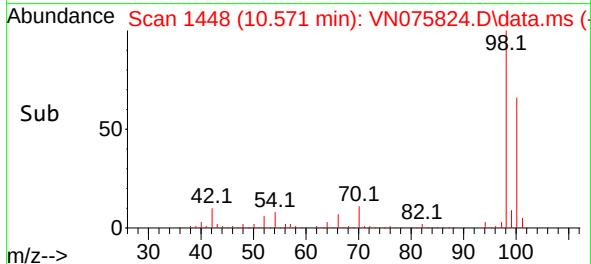
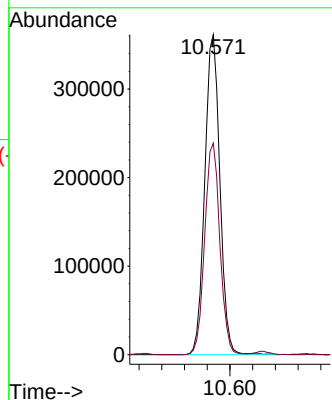
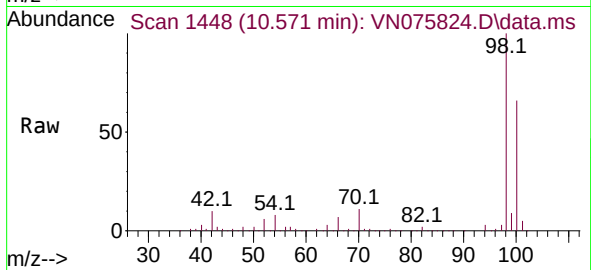




#50  
Toluene-d8  
Concen: 50.123 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

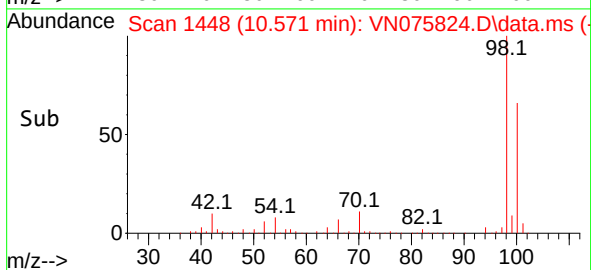
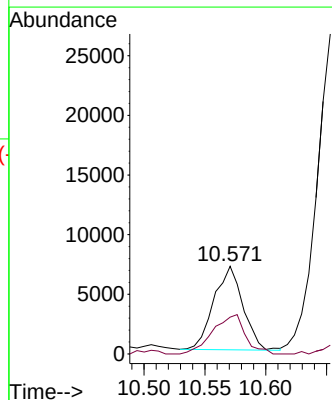
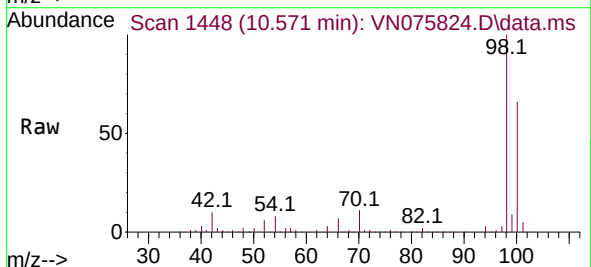
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

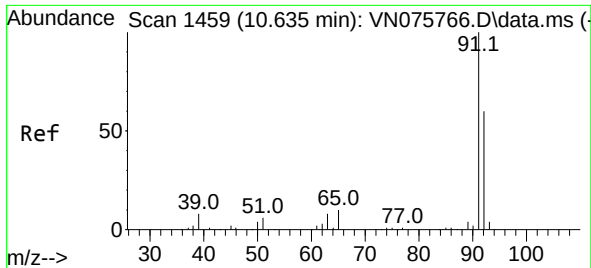
Tgt Ion: 98 Resp: 664905  
Ion Ratio Lower Upper  
98 100  
100 66.4 52.1 78.1



#51  
4-Methyl-2-Pentanone  
Concen: 3.079 ug/l  
RT: 10.571 min Scan# 1448  
Delta R.T. 0.124 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 43 Resp: 11628  
Ion Ratio Lower Upper  
43 100  
58 52.5 35.5 53.3

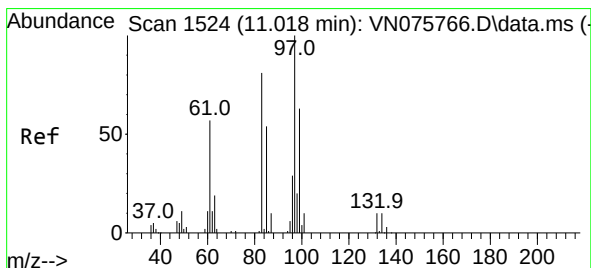
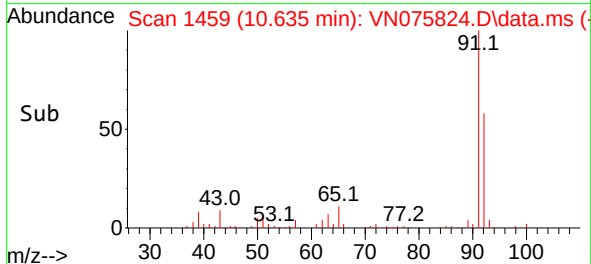
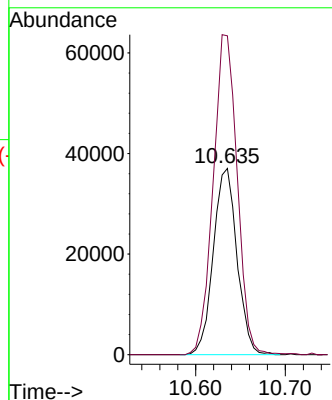
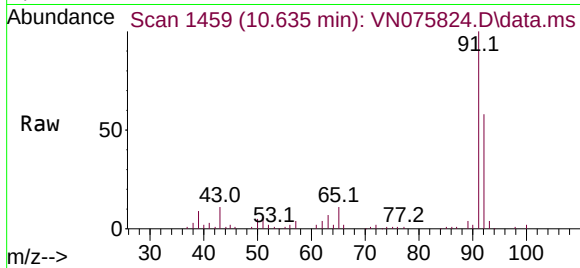




#52  
Toluene  
Concen: 7.165 ug/l  
RT: 10.635 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

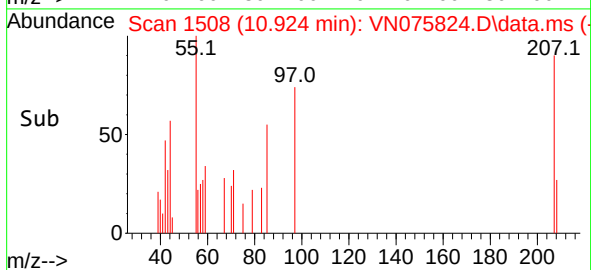
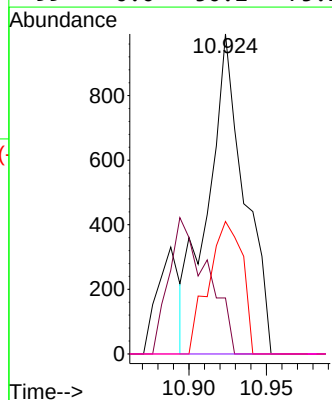
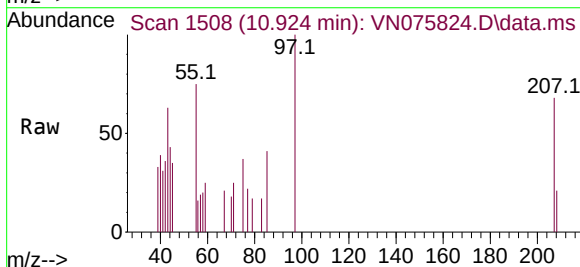
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

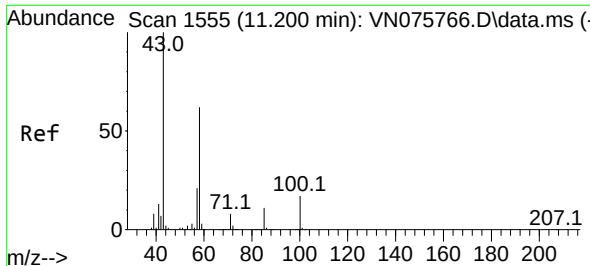
Tgt Ion: 92 Resp: 67855  
Ion Ratio Lower Upper  
92 100  
91 174.6 137.3 205.9



#55  
1,1,2-Trichloroethane  
Concen: 0.438 ug/l  
RT: 10.924 min Scan# 1508  
Delta R.T. -0.094 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 97 Resp: 1627  
Ion Ratio Lower Upper  
97 100  
83 17.5 65.0 97.4#  
85 41.4 43.0 64.6#  
99 0.0 50.2 75.2#

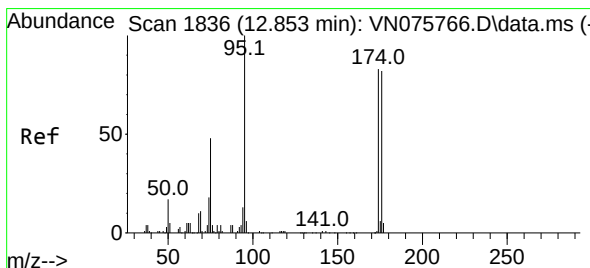
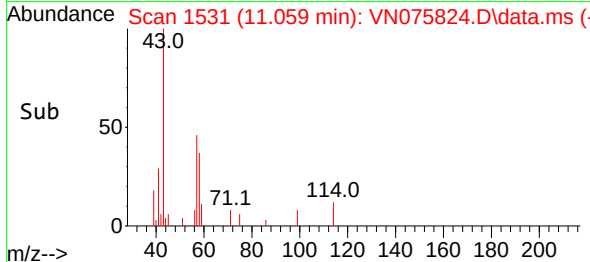
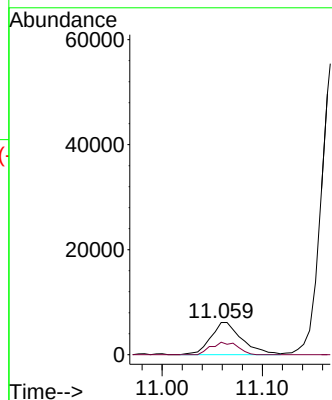
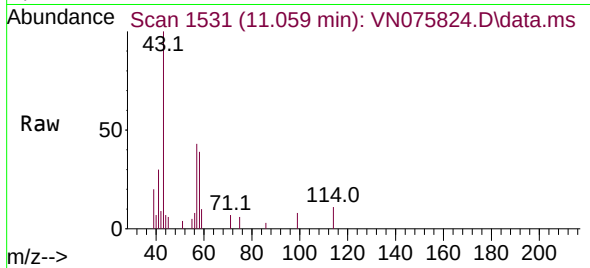




#59  
2-Hexanone  
Concen: 4.831 ug/l  
RT: 11.059 min Scan# 11  
Delta R.T. -0.141 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

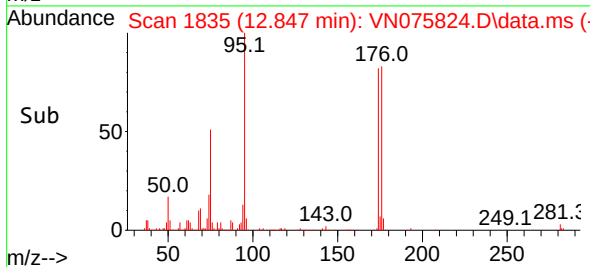
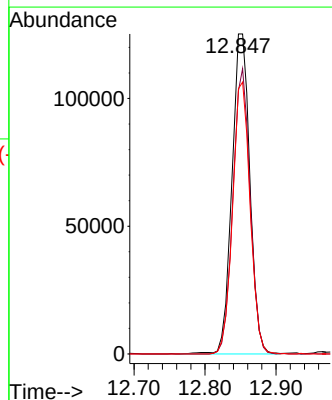
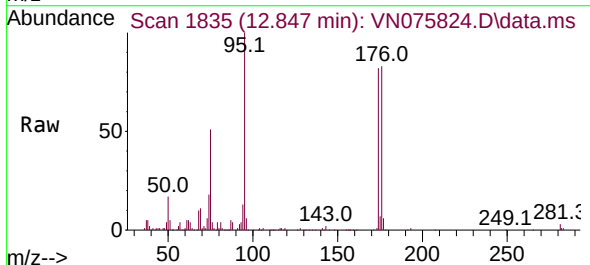
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

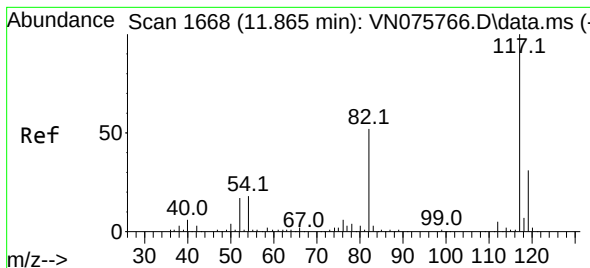
Tgt Ion: 43 Resp: 13306  
Ion Ratio Lower Upper  
43 100  
58 32.8 30.6 92.0



#62  
4-Bromofluorobenzene  
Concen: 50.042 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. -0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 95 Resp: 219867  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 171.6  
176 82.9 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

Instrument :

MSVOA\_N

ClientSampleId :

221214029-02-VOA

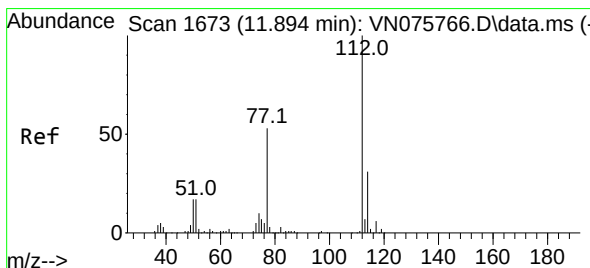
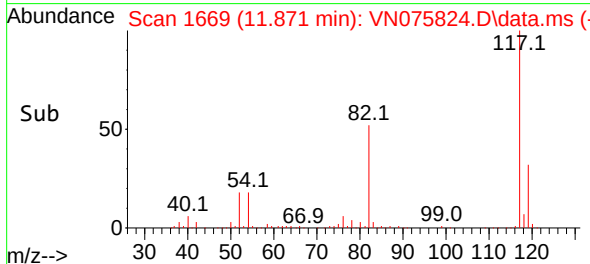
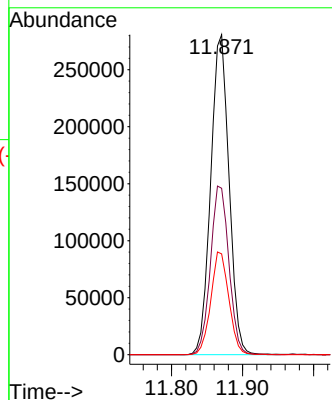
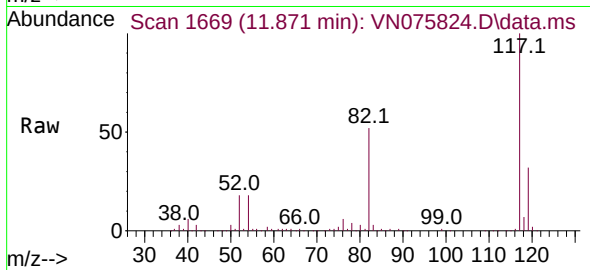
Tgt Ion:117 Resp: 502427

Ion Ratio Lower Upper

117 100

82 52.0 41.3 61.9

119 31.5 24.6 37.0



#65

Chlorobenzene

Concen: 0.851 ug/l

RT: 11.894 min Scan# 1673

Delta R.T. 0.000 min

Lab File: VN075824.D

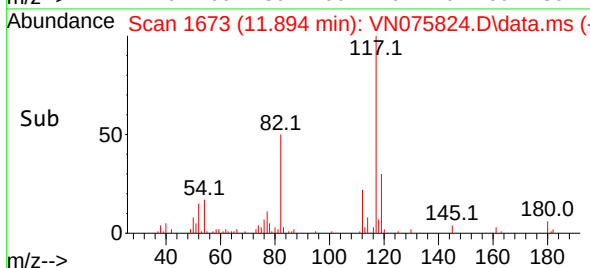
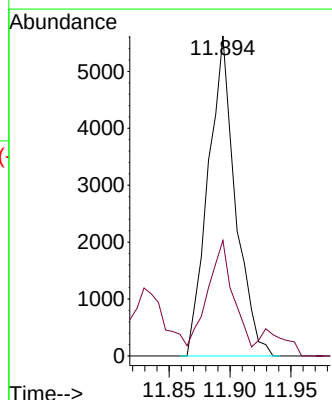
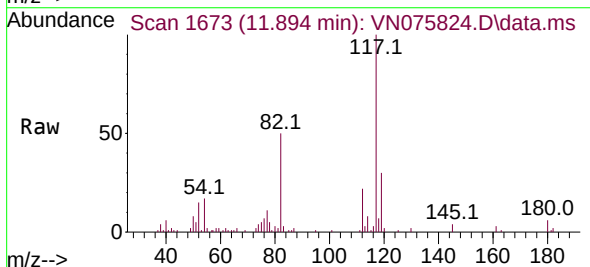
Acq: 15 Dec 2022 17:47

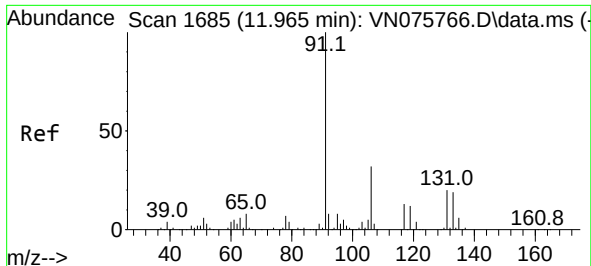
Tgt Ion:112 Resp: 8777

Ion Ratio Lower Upper

112 100

114 30.6 24.7 37.1





#67

Ethyl Benzene

Concen: 1.889 ug/l

RT: 11.965 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

Instrument :

MSVOA\_N

ClientSampleId :

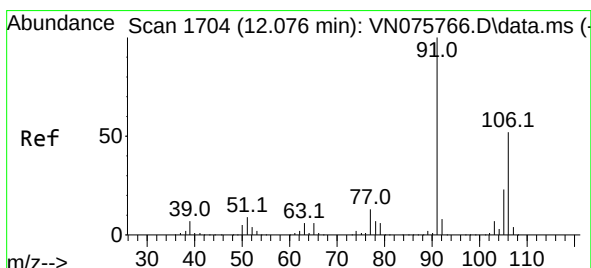
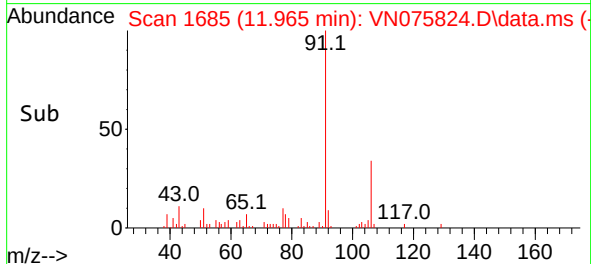
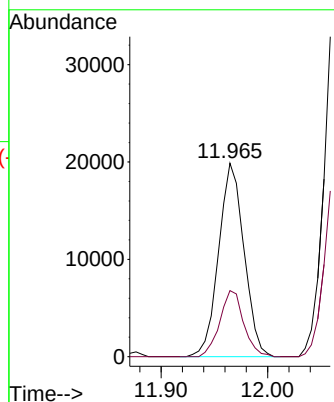
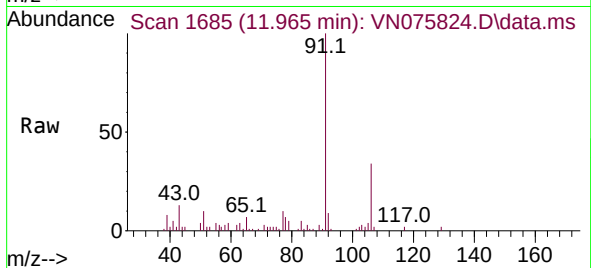
221214029-02-VOA

Tgt Ion: 91 Resp: 32873

Ion Ratio Lower Upper

91 100

106 34.2 25.7 38.5



#68

m/p-Xylenes

Concen: 7.338 ug/l

RT: 12.071 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VN075824.D

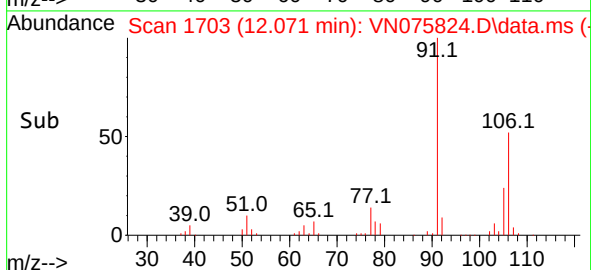
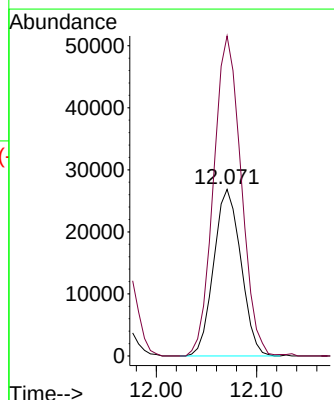
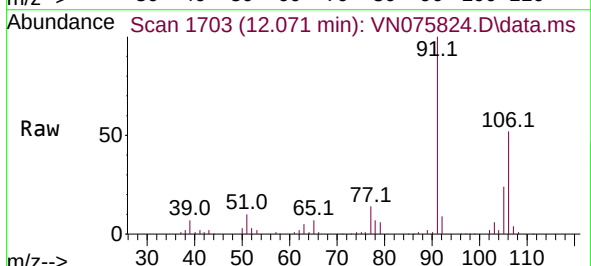
Acq: 15 Dec 2022 17:47

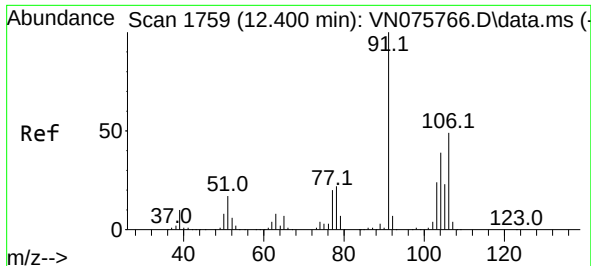
Tgt Ion:106 Resp: 50549

Ion Ratio Lower Upper

106 100

91 194.8 156.6 235.0

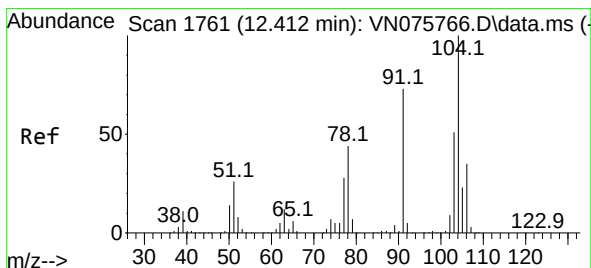
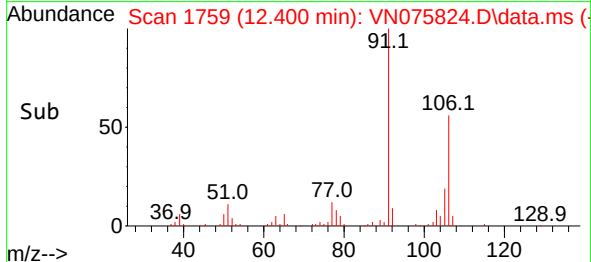
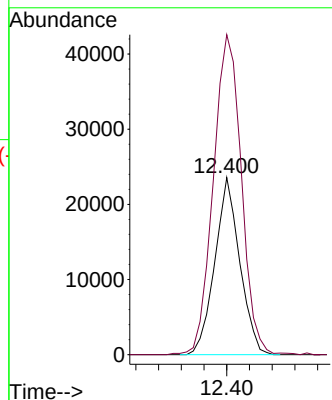
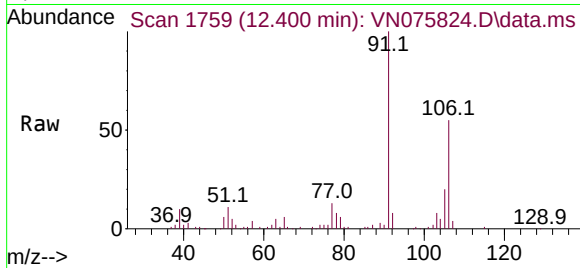




#69  
o-Xylene  
Concen: 5.265 ug/l  
RT: 12.400 min Scan# 1759  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

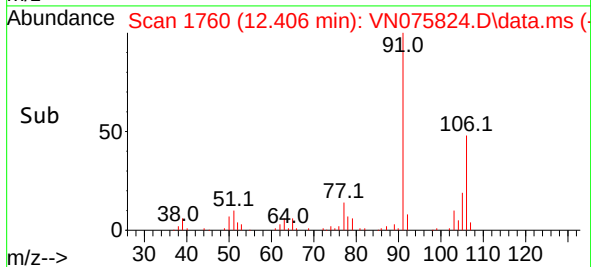
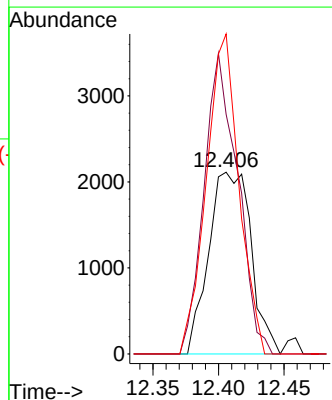
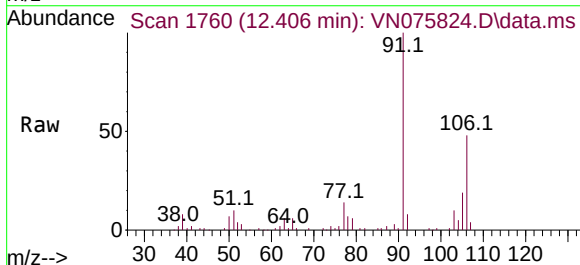
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MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

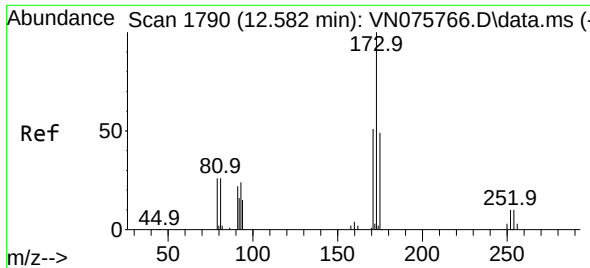
Tgt Ion:106 Resp: 35894  
Ion Ratio Lower Upper  
106 100  
91 203.5 103.8 311.6



#70  
Styrene  
Concen: 0.439 ug/l  
RT: 12.406 min Scan# 1760  
Delta R.T. -0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion:104 Resp: 4761  
Ion Ratio Lower Upper  
104 100  
78 131.1 37.5 56.3#  
103 135.0 43.5 65.3#

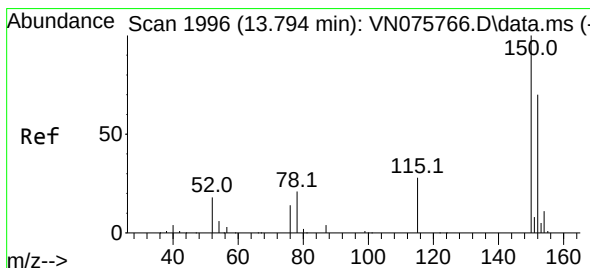
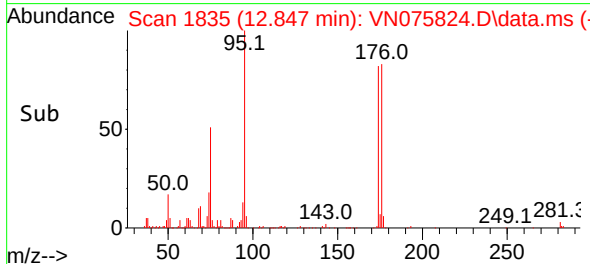
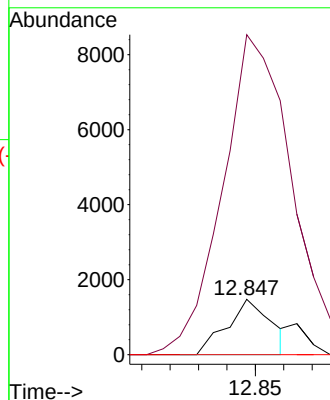
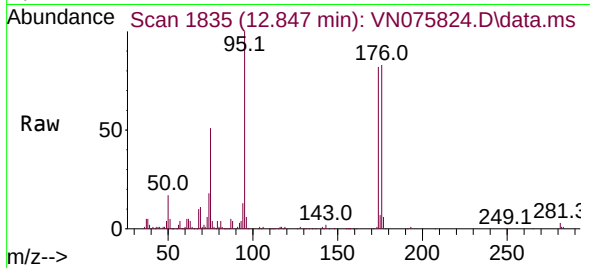




#71  
Bromoform  
Concen: 0.576 ug/l  
RT: 12.847 min Scan# 1835  
Delta R.T. 0.265 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

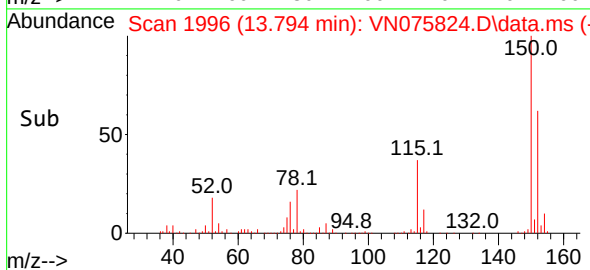
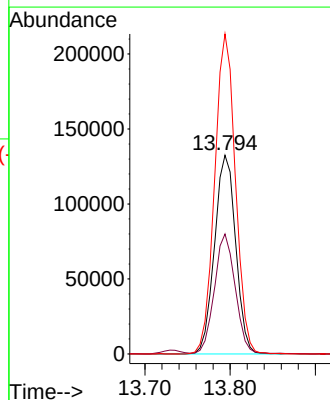
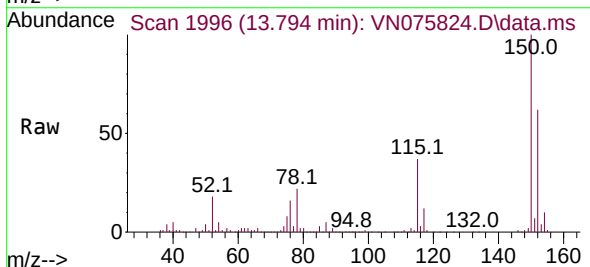
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MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

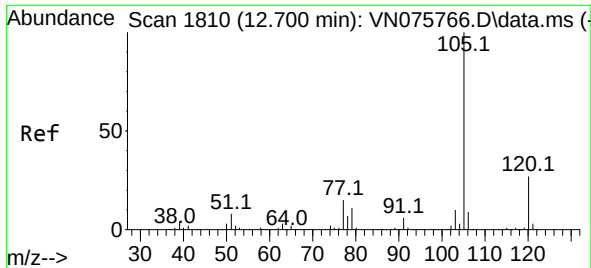
Tgt Ion:173 Resp: 1601  
Ion Ratio Lower Upper  
173 100  
175 745.6 24.3 72.8#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 1996  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion:152 Resp: 228188  
Ion Ratio Lower Upper  
152 100  
115 59.9 29.1 87.4  
150 158.0 0.0 347.0

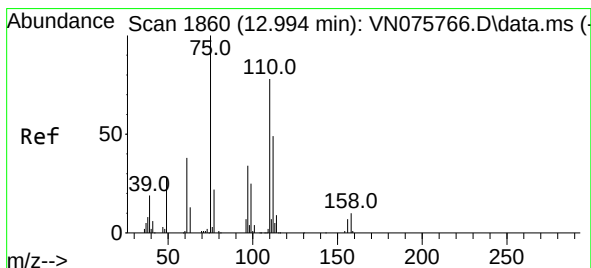
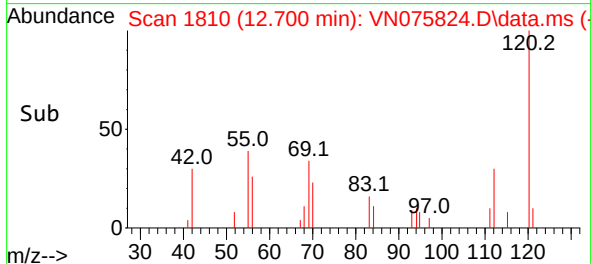
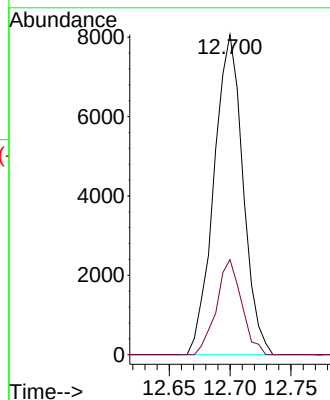
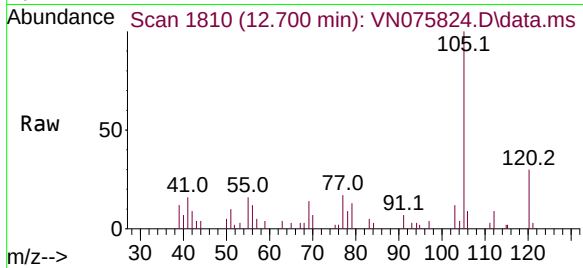




#73  
Isopropylbenzene  
Concen: 0.813 ug/l  
RT: 12.700 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

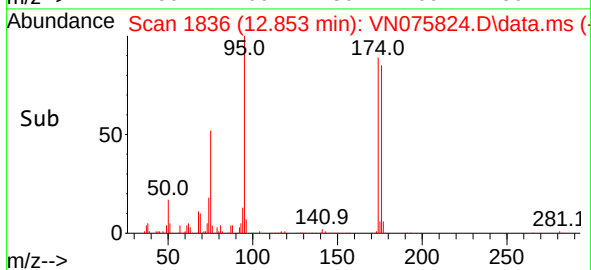
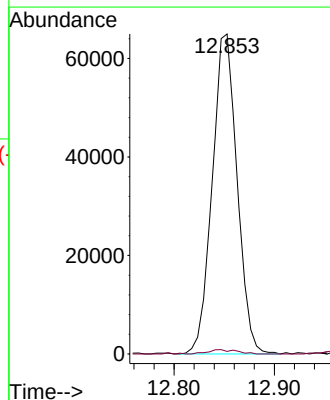
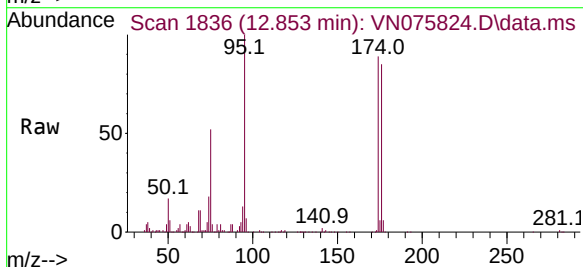
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

Tgt Ion:105 Resp: 13400  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.4 40.2

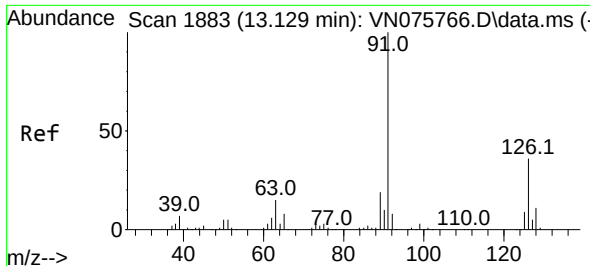


#76  
1,2,3-Trichloropropane  
Concen: 24.326 ug/l  
RT: 12.853 min Scan# 1836  
Delta R.T. -0.141 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 75 Resp: 111893  
Ion Ratio Lower Upper  
75 100  
77 1.6 82.6 247.8#



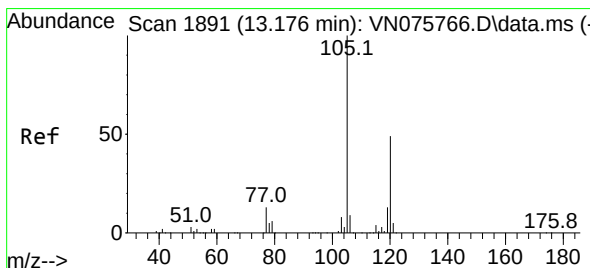
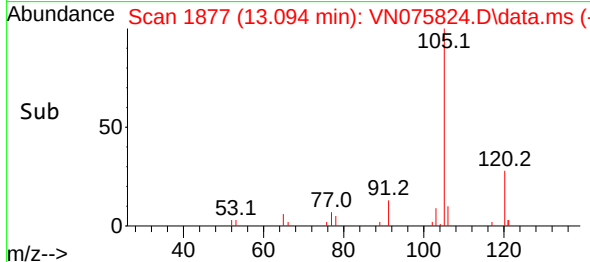
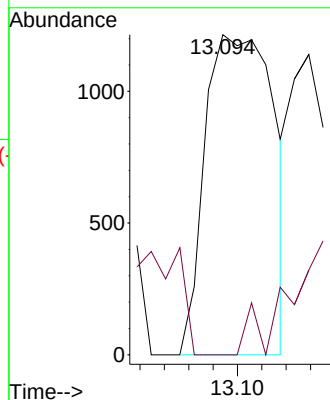
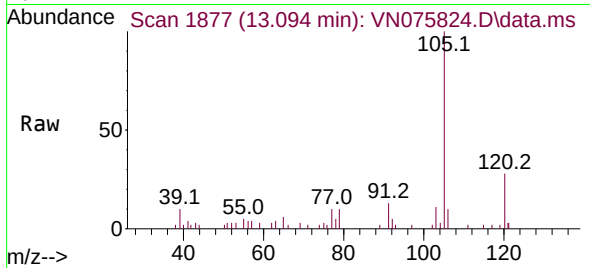




#79  
2-Chlorotoluene  
Concen: 0.210 ug/l  
RT: 13.094 min Scan# 11  
Delta R.T. -0.035 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

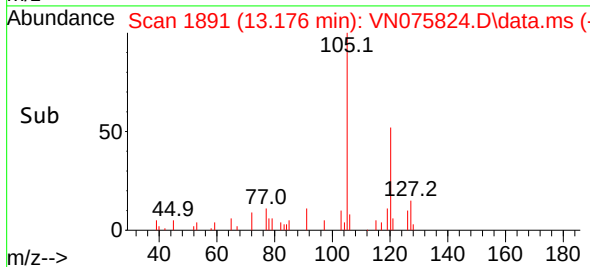
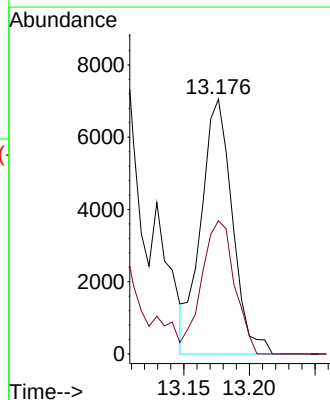
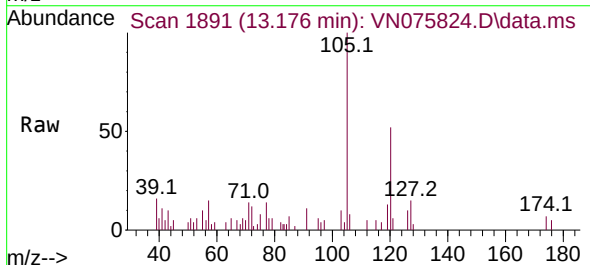
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

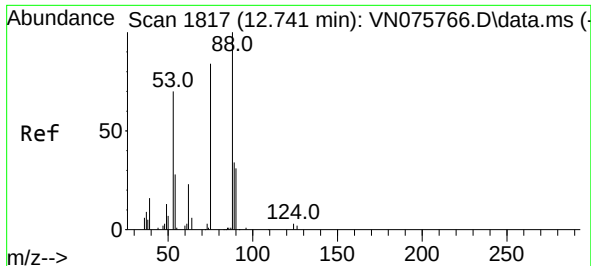
Tgt Ion: 91 Resp: 2388  
Ion Ratio Lower Upper  
91 100  
126 26.2 17.5 52.5



#80  
1,3,5-Trimethylbenzene  
Concen: 0.851 ug/l  
RT: 13.176 min Scan# 1891  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 105 Resp: 11751  
Ion Ratio Lower Upper  
105 100  
120 54.8 24.7 74.1

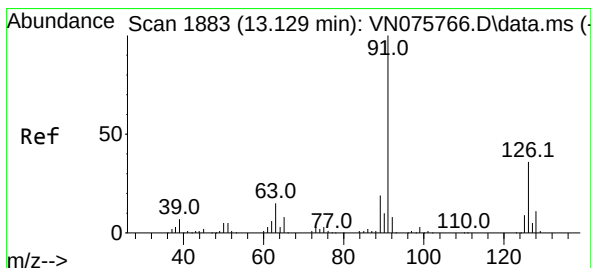
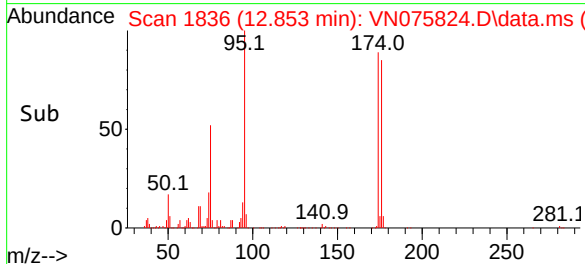
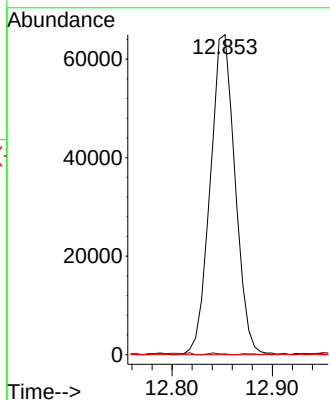
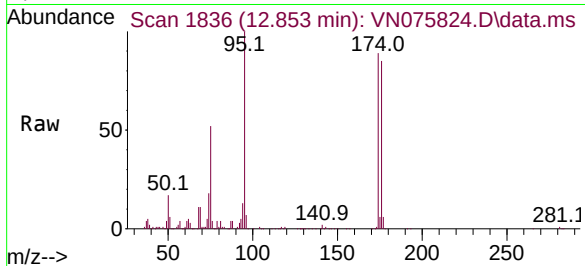




#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.562 ug/l  
RT: 12.853 min Scan# 111893  
Delta R.T. 0.112 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

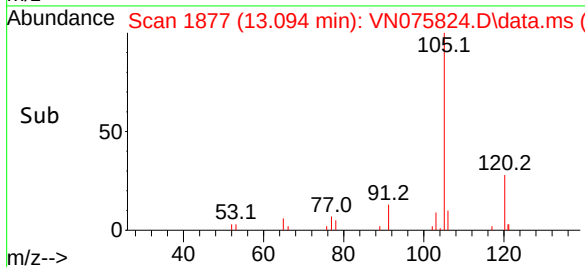
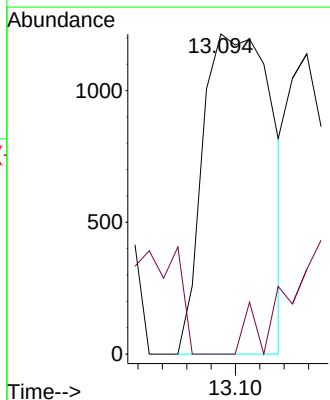
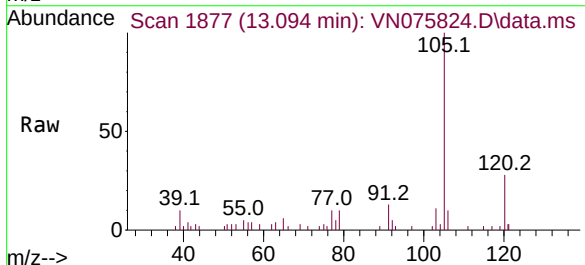
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

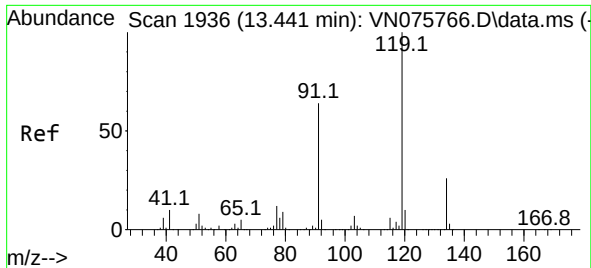
Tgt Ion: 75 Resp: 111893  
Ion Ratio Lower Upper  
75 100  
53 0.3 73.8 110.6#  
89 0.0 39.5 59.3#



#82  
4-Chlorotoluene  
Concen: 0.210 ug/l  
RT: 13.094 min Scan# 1877  
Delta R.T. -0.035 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 91 Resp: 2388  
Ion Ratio Lower Upper  
91 100  
126 26.2 17.5 52.5

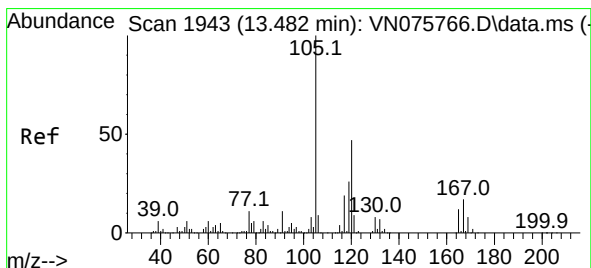
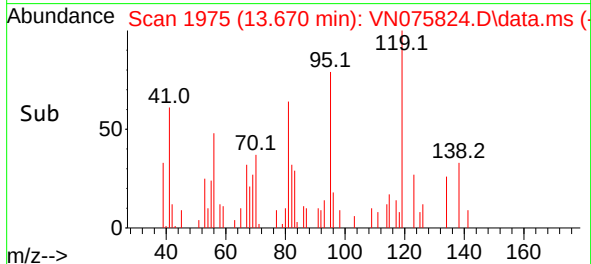
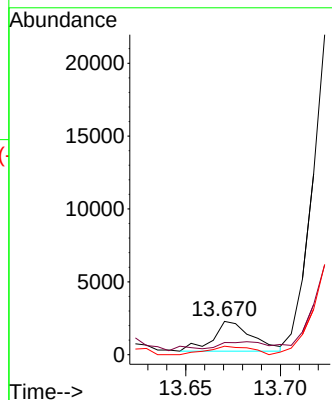
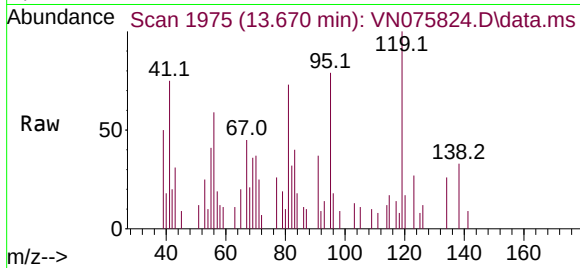




#83  
tert-Butylbenzene  
Concen: 0.243 ug/l  
RT: 13.670 min Scan# 1936  
Delta R.T. 0.229 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

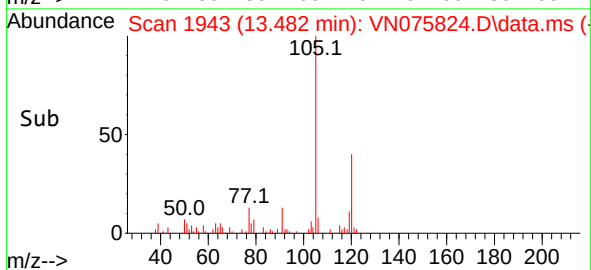
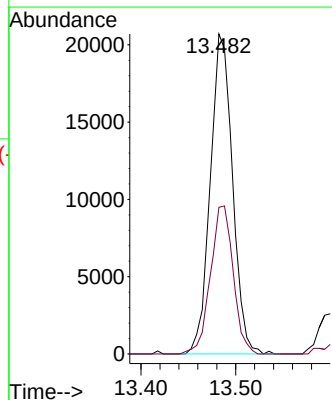
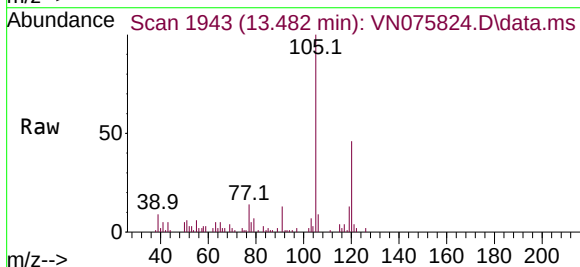
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

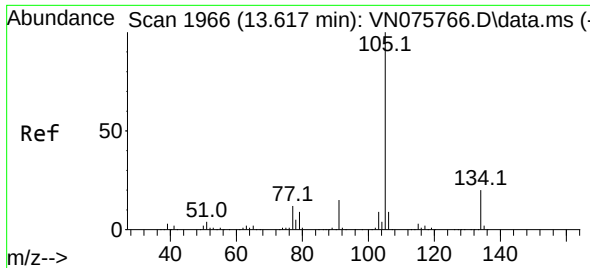
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 2959 |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 91        | 41.5  | 31.9  | 95.5 |
| 134       | 31.1  | 13.8  | 41.4 |



#84  
1,2,4-Trimethylbenzene  
Concen: 2.464 ug/l  
RT: 13.482 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 33734 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 47.4  | 23.3  | 69.8  |

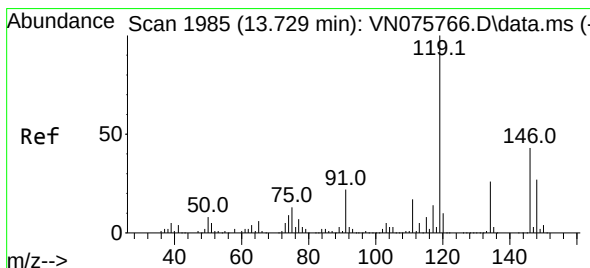
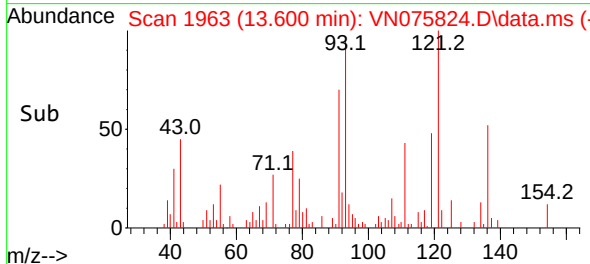
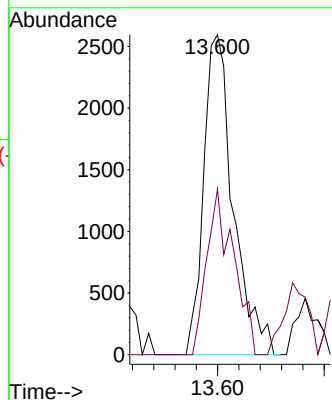
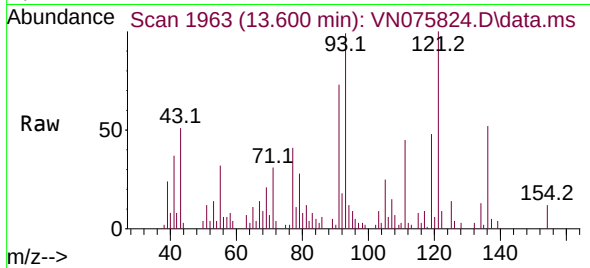




#85  
 sec-Butylbenzene  
 Concen: 0.298 ug/l  
 RT: 13.600 min Scan# 1963  
 Delta R.T. -0.018 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

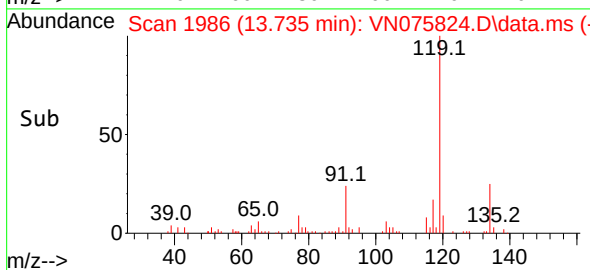
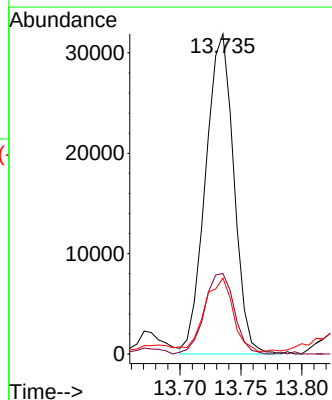
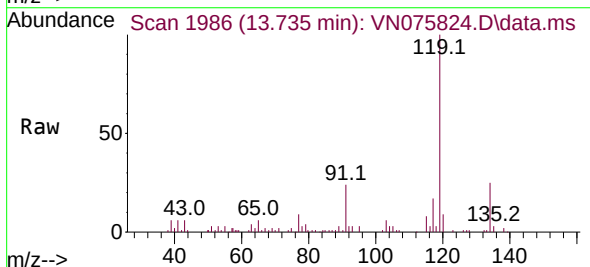
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 221214029-02-VOA

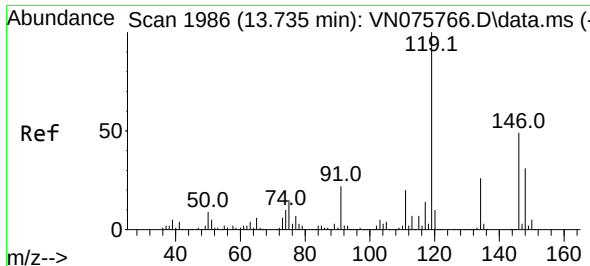
Tgt Ion:105 Resp: 5010  
 Ion Ratio Lower Upper  
 105 100  
 134 47.2 10.1 30.1#



#86  
 p-Isopropyltoluene  
 Concen: 3.681 ug/l  
 RT: 13.735 min Scan# 1986  
 Delta R.T. 0.006 min  
 Lab File: VN075824.D  
 Acq: 15 Dec 2022 17:47

Tgt Ion:119 Resp: 51448  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 13.0 39.0  
 91 22.6 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 2.793 ug/l

RT: 13.818 min Scan# 2000

Delta R.T. 0.082 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

Instrument :

MSVOA\_N

ClientSampleId :

221214029-02-VOA

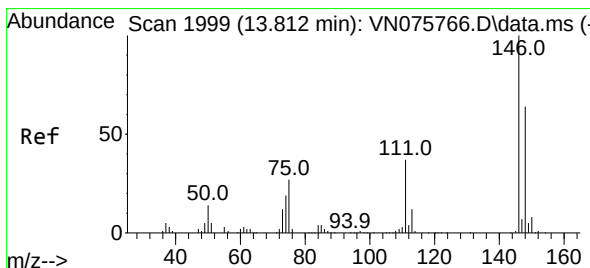
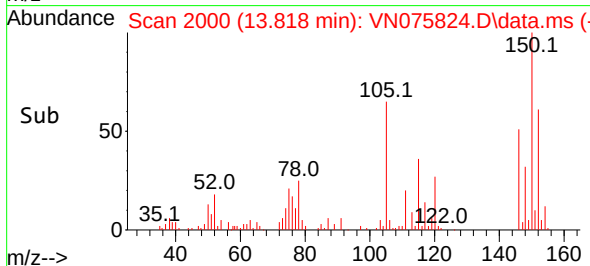
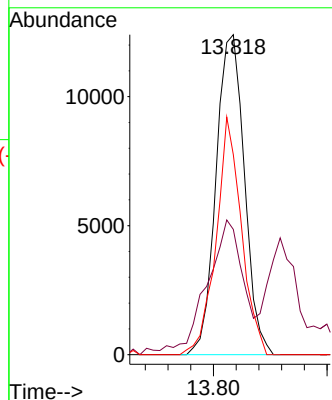
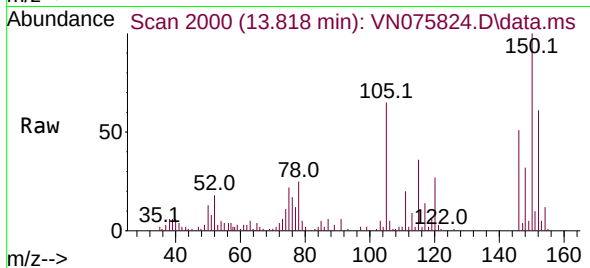
Tgt Ion:146 Resp: 21528

Ion Ratio Lower Upper

146 100

111 54.6 19.7 59.0

148 66.2 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 2.734 ug/l

RT: 13.818 min Scan# 2000

Delta R.T. 0.006 min

Lab File: VN075824.D

Acq: 15 Dec 2022 17:47

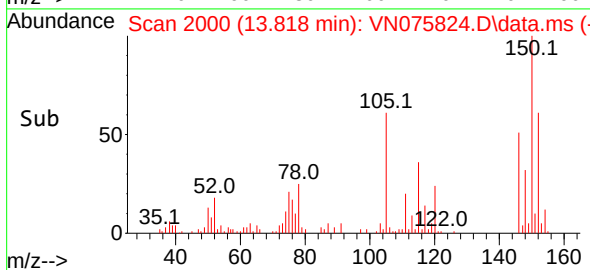
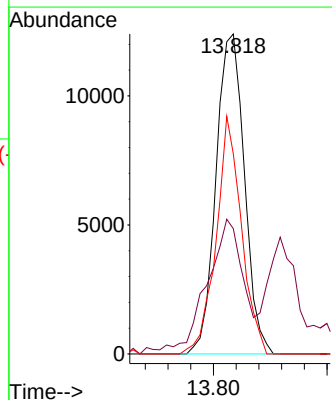
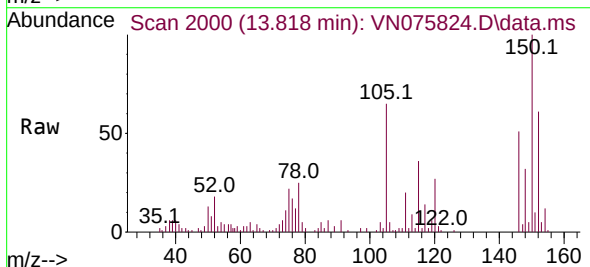
Tgt Ion:146 Resp: 21528

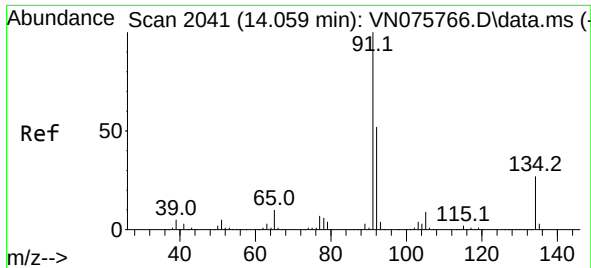
Ion Ratio Lower Upper

146 100

111 54.6 19.1 57.1

148 66.2 32.0 96.2

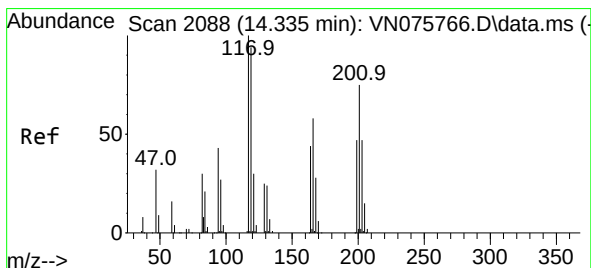
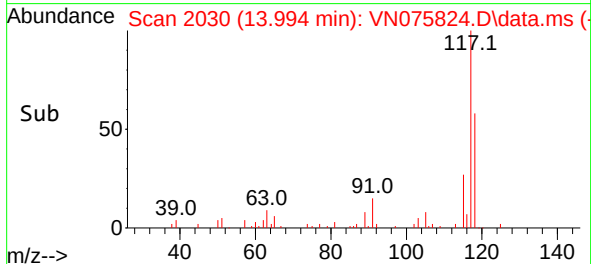
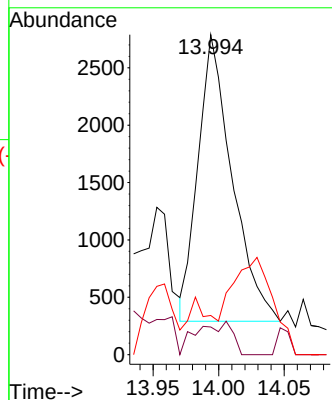
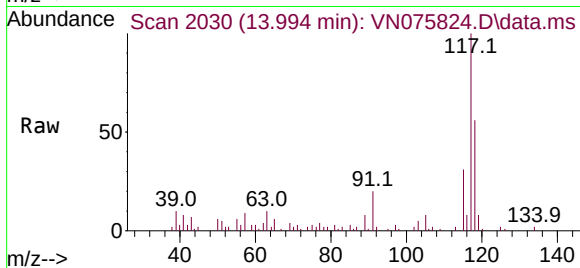




#89  
n-Butylbenzene  
Concen: 0.399 ug/l  
RT: 13.994 min Scan# 2041  
Delta R.T. -0.065 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

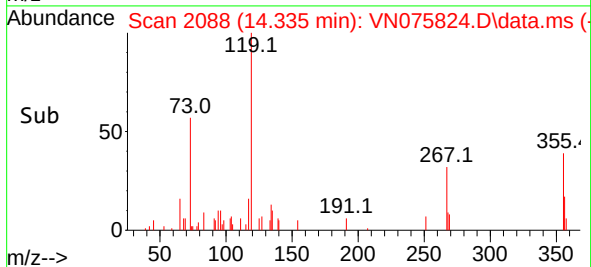
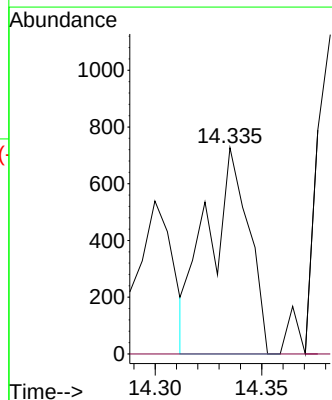
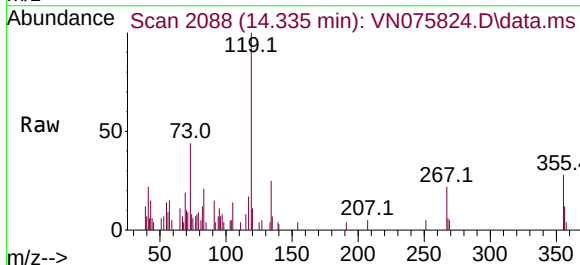
Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

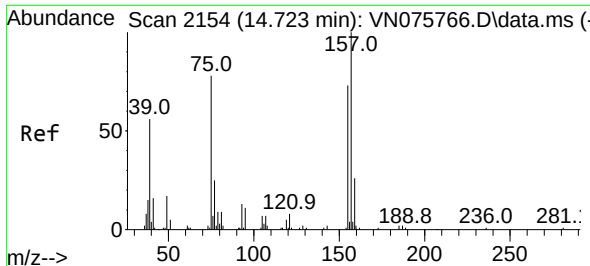
Tgt Ion: 91 Resp: 4515  
Ion Ratio Lower Upper  
91 100  
92 11.9 26.4 79.2#  
134 0.0 13.4 40.2#



#90  
Hexachloroethane  
Concen: 0.390 ug/l  
RT: 14.335 min Scan# 2088  
Delta R.T. 0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 117 Resp: 975  
Ion Ratio Lower Upper  
117 100  
201 0.0 38.0 114.1#

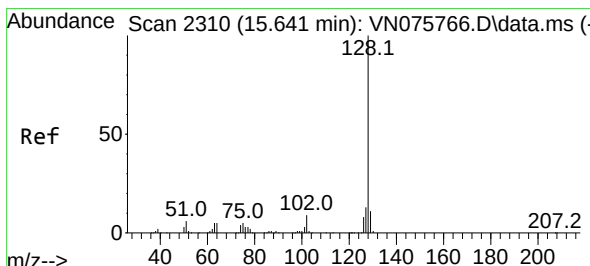
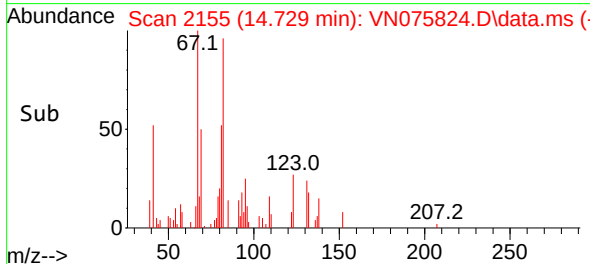
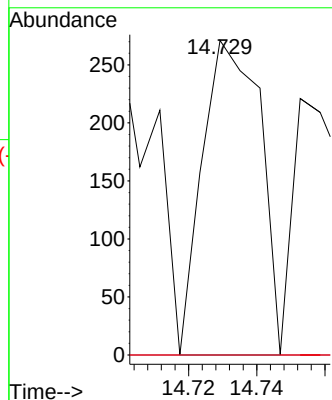
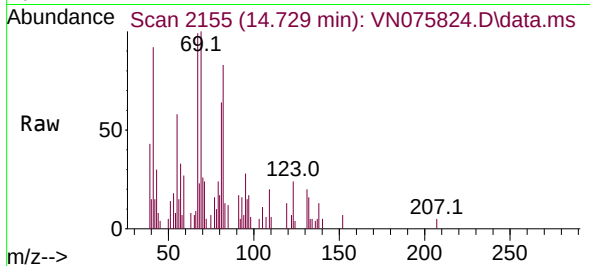




#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.353 ug/l  
RT: 14.729 min Scan# 2154  
Delta R.T. 0.006 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
221214029-02-VOA

Tgt Ion: 75 Resp: 319  
Ion Ratio Lower Upper  
75 100  
155 0.0 49.3 147.8#  
157 0.0 63.7 191.3#



#95  
Naphthalene  
Concen: 10.903 ug/l  
RT: 15.641 min Scan# 2310  
Delta R.T. -0.000 min  
Lab File: VN075824.D  
Acq: 15 Dec 2022 17:47

Tgt Ion: 128 Resp: 113298  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.4 15.6  
129 10.9 8.7 13.1

