

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN110423\  
 Data File : VN079890.D  
 Acq On : 04 Nov 2023 14:06  
 Operator : JC\MD  
 Sample : VN1104MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104MBL01

Quant Time: Nov 06 02:12:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 02 05:49:08 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 254501   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 498903   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.871 | 117  | 508387   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 201516   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 212506   | 54.806   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 109.620% |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 174071   | 49.297   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 98.600%  |      |
| 50) Toluene-d8              | 10.571 | 98    | 612966   | 47.155   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 94.300%  |      |
| 62) 4-Bromofluorobenzene    | 12.853 | 95    | 209471   | 48.588   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 97.180%  |      |

|                               |        |     |        |           |        |    |
|-------------------------------|--------|-----|--------|-----------|--------|----|
| Target Compounds              |        |     |        | Qvalue    |        |    |
| 3) Chloromethane              | 2.365  | 50  | 1595   | Below Cal | #      | 86 |
| 5) Bromomethane               | 2.971  | 94  | 2112   | 0.866     | ug/l # | 79 |
| 6) Chloroethane               | 3.118  | 64  | 1700   | 0.536     | ug/l # | 88 |
| 10) Methyl Iodide             | 4.589  | 142 | 3572   | 1.081     | ug/l # | 80 |
| 13) Acrolein                  | 4.195  | 56  | 343    | 3.303     | ug/l   | 90 |
| 15) Acrylonitrile             | 5.742  | 53  | 2152   | 1.395     | ug/l # | 21 |
| 16) Acetone                   | 4.436  | 43  | 1344   | 0.987     | ug/l   | 95 |
| 17) Carbon Disulfide          | 4.712  | 76  | 6361   | 0.805     | ug/l   | 99 |
| 18) Methyl Acetate            | 5.048  | 43  | 1342   | 0.206     | ug/l # | 61 |
| 20) Methylene Chloride        | 5.283  | 84  | 1111   | 0.323     | ug/l # | 54 |
| 21) trans-1,2-Dichloroethene  | 5.783  | 96  | 1285   | 0.421     | ug/l # | 69 |
| 25) 2-Butanone                | 7.500  | 43  | 1396   | 0.700     | ug/l # | 86 |
| 30) Chloroform                | 7.971  | 83  | 3554   | 0.554     | ug/l # | 69 |
| 31) Cyclohexane               | 8.218  | 56  | 7419   | 1.448     | ug/l # | 57 |
| 38) Carbon Tetrachloride      | 8.230  | 117 | 28053  | 5.521     | ug/l # | 16 |
| 42) 1,2-Dichloroethane        | 8.671  | 62  | 1233   | 0.234     | ug/l # | 73 |
| 44) Trichloroethene           | 9.359  | 130 | 977    | 0.261     | ug/l   | 63 |
| 47) Bromodichloromethane      | 9.888  | 83  | 1980   | 0.352     | ug/l # | 58 |
| 49) 1,4-Dioxane               | 9.736  | 88  | 54     | 0.860     | ug/l # | 1  |
| 51) 4-Methyl-2-Pentanone      | 10.453 | 43  | 1867   | 0.409     | ug/l # | 75 |
| 59) 2-Hexanone                | 11.200 | 43  | 3348   | 0.959     | ug/l   | 79 |
| 61) 1,2-Dibromoethane         | 11.471 | 107 | 727    | 0.201     | ug/l # | 54 |
| 68) m/p-Xylenes               | 12.082 | 106 | 2361   | 0.330     | ug/l   | 94 |
| 74) N-amyl acetate            | 12.500 | 43  | 1389   | 0.208     | ug/l # | 76 |
| 76) 1,2,3-Trichloropropane    | 12.853 | 75  | 113781 | 24.050    | ug/l # | 1  |
| 77) Bromobenzene              | 12.982 | 156 | 1210   | 0.323     | ug/l   | 94 |
| 78) n-propylbenzene           | 13.041 | 91  | 4480   | 0.256     | ug/l   | 82 |
| 79) 2-Chlorotoluene           | 13.135 | 91  | 2457   | 0.220     | ug/l   | 97 |
| 81) trans-1,4-Dichloro-2-b... | 12.853 | 75  | 113781 | 65.435    | ug/l # | 15 |
| 82) 4-Chlorotoluene           | 13.224 | 91  | 3578   | 0.322     | ug/l   | 93 |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105 | 2586   | 0.221     | ug/l   | 93 |
| 85) sec-Butylbenzene          | 13.618 | 105 | 3175   | 0.235     | ug/l # | 78 |
| 86) p-Isopropyltoluene        | 13.735 | 119 | 2582   | 0.235     | ug/l   | 86 |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146 | 3761   | 0.540     | ug/l   | 92 |
| 88) 1,4-Dichlorobenzene       | 13.735 | 146 | 3761   | 0.532     | ug/l   | 94 |
| 89) n-Butylbenzene            | 14.065 | 91  | 6007   | 0.634     | ug/l   | 91 |

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

Quant Time: Nov 06 02:12:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110123W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 02 05:49:08 2023  
Response via : Initial Calibration

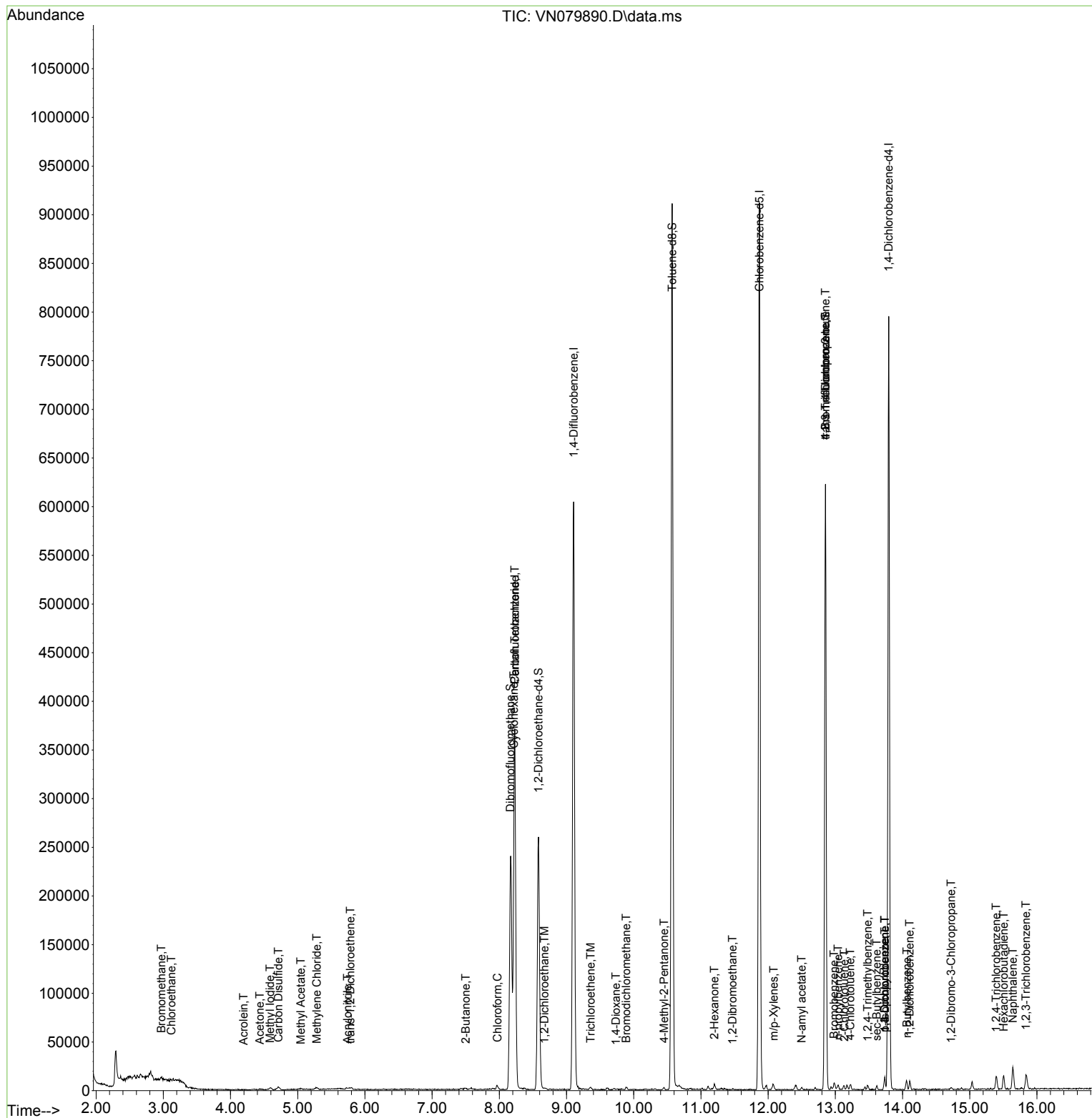
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 3586     | 0.545 | ug/l  | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 759      | 0.825 | ug/l  | 59       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 4581     | 1.465 | ug/l  | 91       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 2992     | 2.111 | ug/l  | 98       |
| 95) Naphthalene               | 15.641 | 128  | 19576    | 1.846 | ug/l  | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 5857     | 1.911 | ug/l  | 99       |

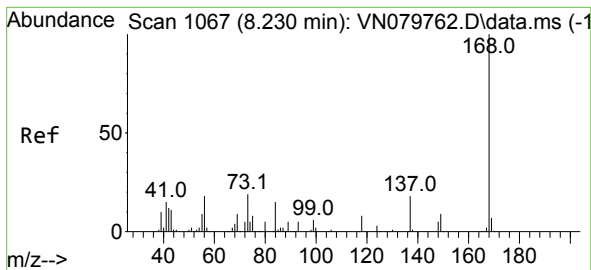
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

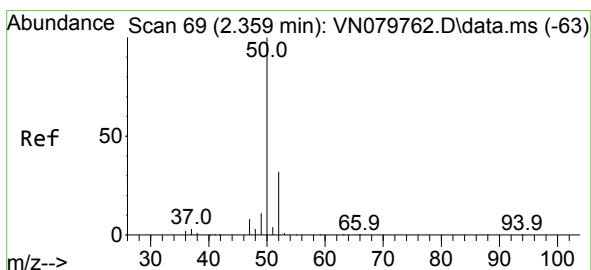
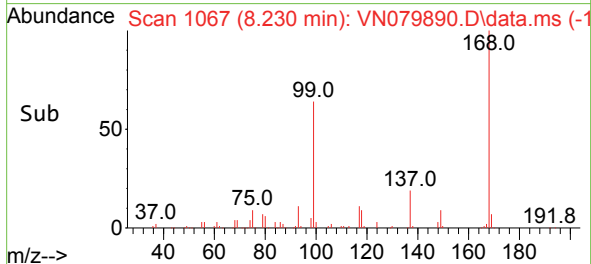
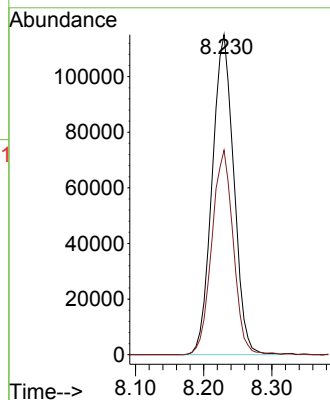
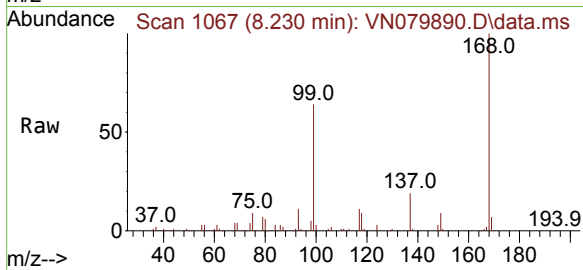
VN1104MBL01

Tgt Ion:168 Resp: 254501

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079890.D

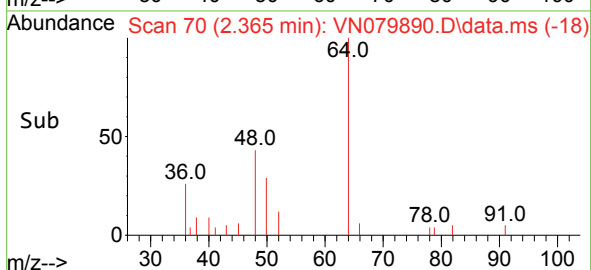
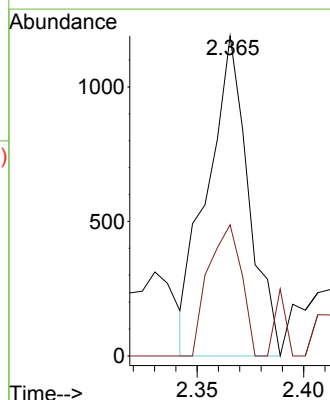
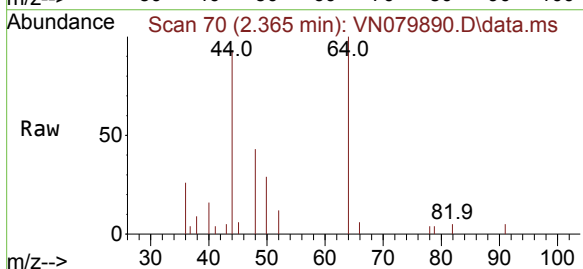
Acq: 04 Nov 2023 14:06

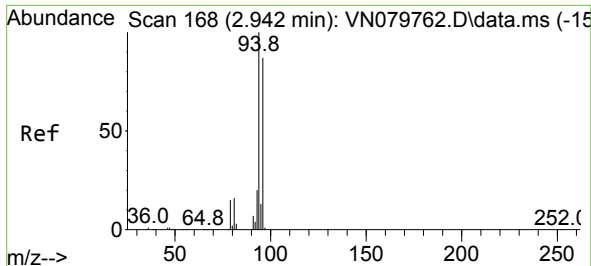
Tgt Ion: 50 Resp: 1595

Ion Ratio Lower Upper

50 100

52 41.0 26.5 39.7#

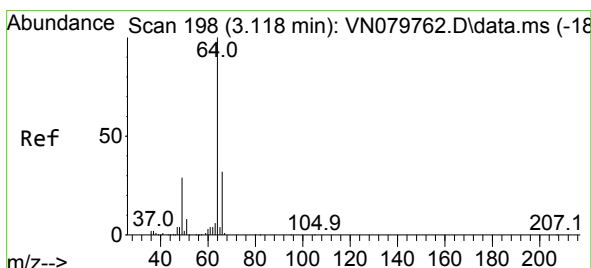
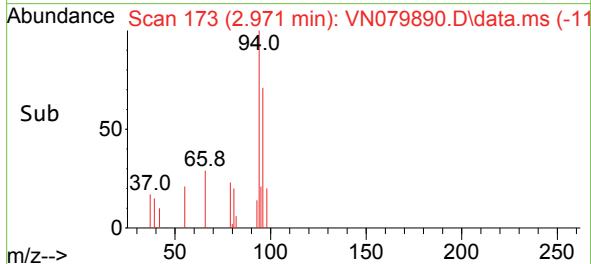
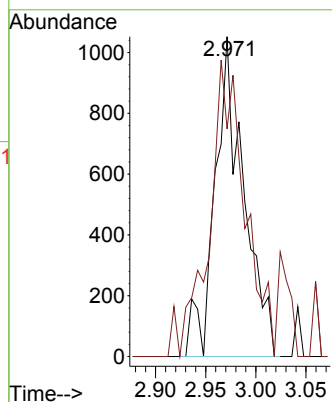
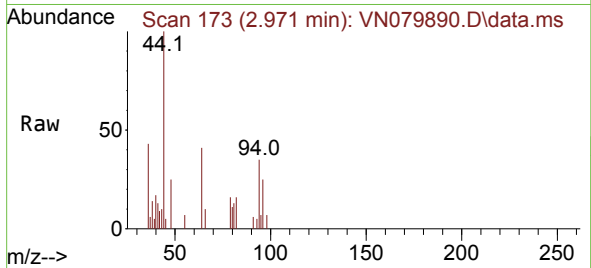




#5  
Bromomethane  
Concen: 0.866 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

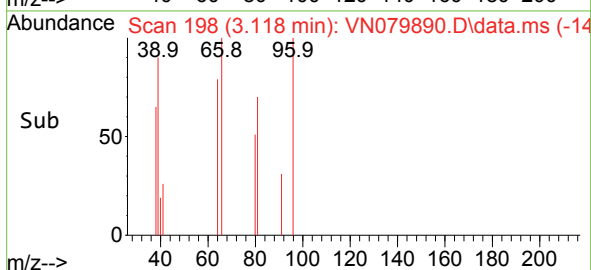
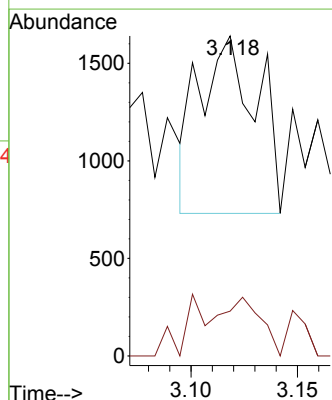
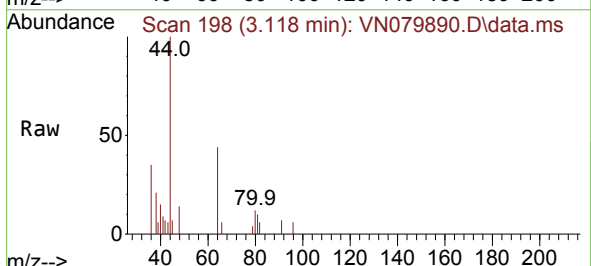
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

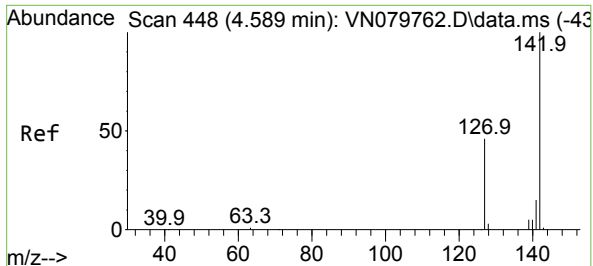
Tgt Ion: 94 Resp: 2112  
Ion Ratio Lower Upper  
94 100  
96 71.2 73.1 109.7#



#6  
Chloroethane  
Concen: 0.536 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 64 Resp: 1700  
Ion Ratio Lower Upper  
64 100  
66 25.3 25.4 38.2#

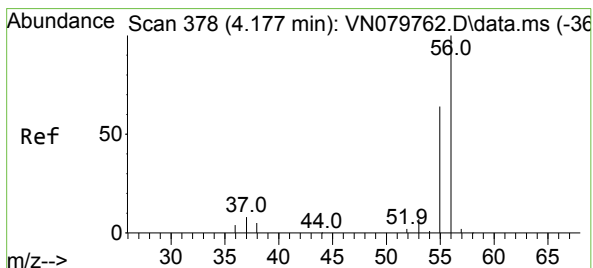
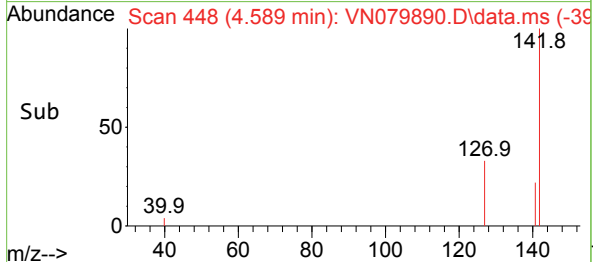
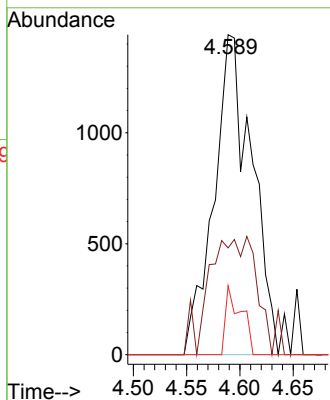
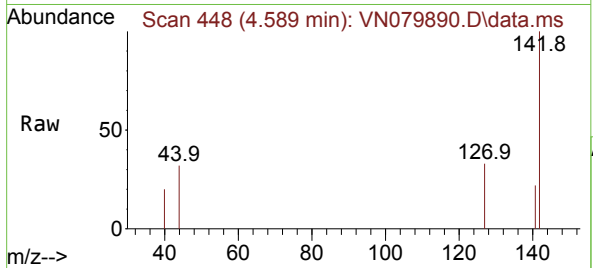




#10  
Methyl Iodide  
Concen: 1.081 ug/l  
RT: 4.589 min Scan# 448  
Delta R.T. -0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

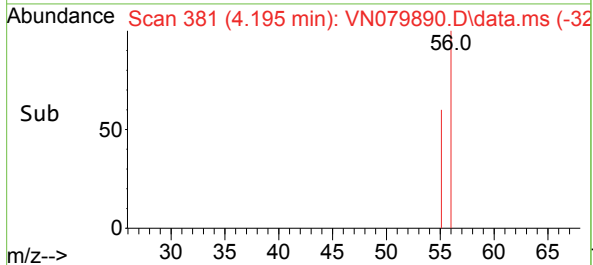
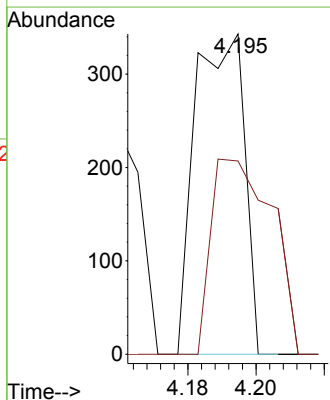
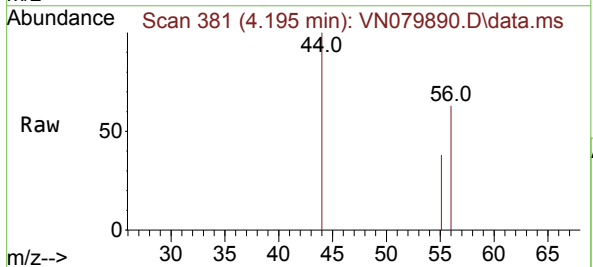
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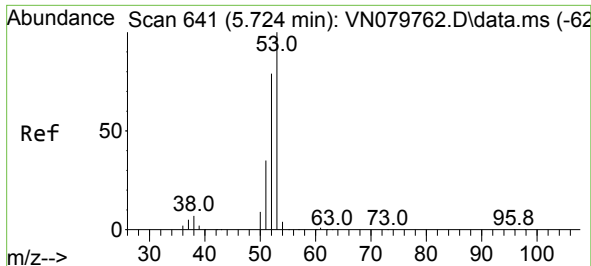
Tgt Ion:142 Resp: 3572  
Ion Ratio Lower Upper  
142 100  
127 33.4 37.6 56.4#  
141 21.6 11.4 17.0#



#13  
Acrolein  
Concen: 3.303 ug/l  
RT: 4.195 min Scan# 381  
Delta R.T. 0.012 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 56 Resp: 343  
Ion Ratio Lower Upper  
56 100  
55 75.8 54.5 81.7

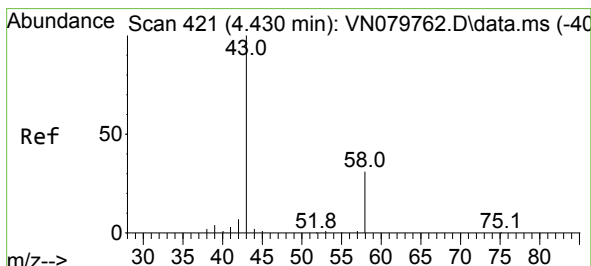
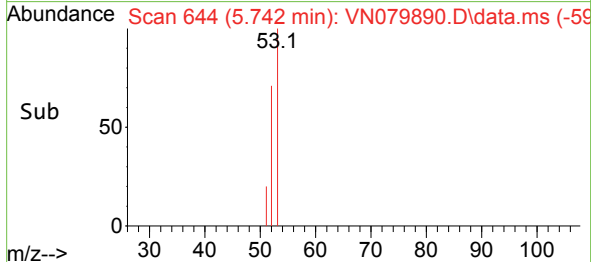
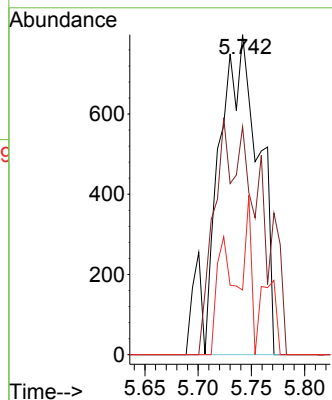
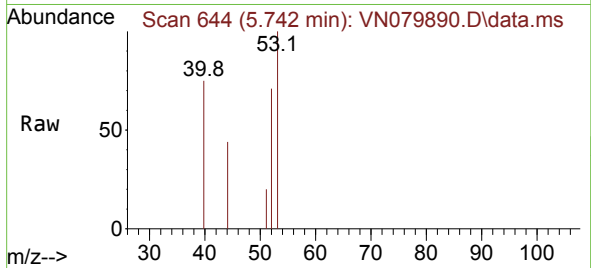




#15  
Acrylonitrile  
Concen: 1.395 ug/l  
RT: 5.742 min Scan# 641  
Delta R.T. 0.018 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

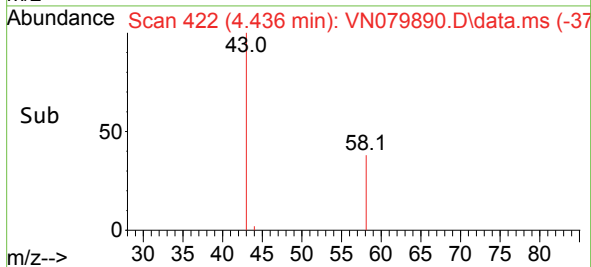
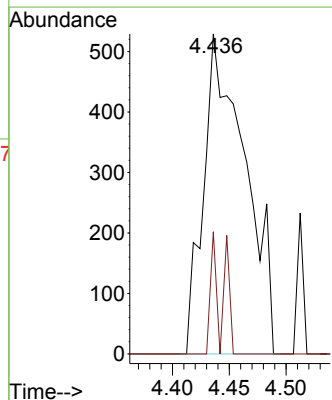
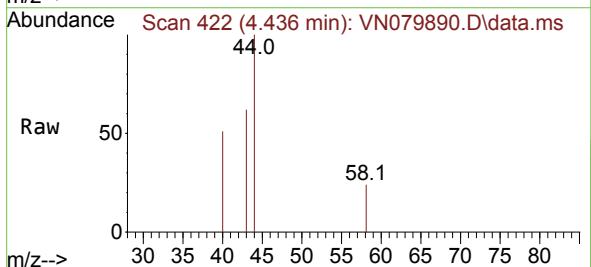
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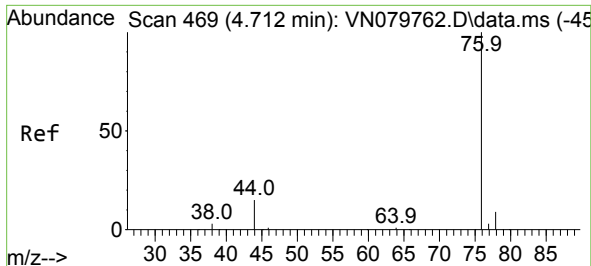
Tgt Ion: 53 Resp: 2152  
Ion Ratio Lower Upper  
53 100  
52 0.0 65.3 97.9#  
51 6.5 28.9 43.3#



#16  
Acetone  
Concen: 0.987 ug/l  
RT: 4.436 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 43 Resp: 1344  
Ion Ratio Lower Upper  
43 100  
58 38.2 28.0 42.0

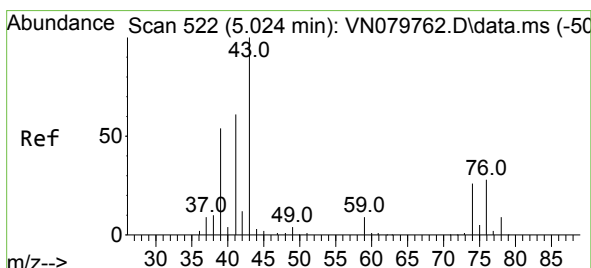
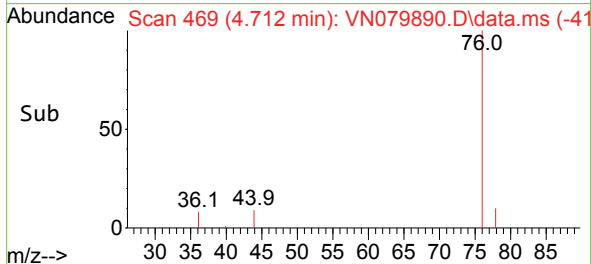
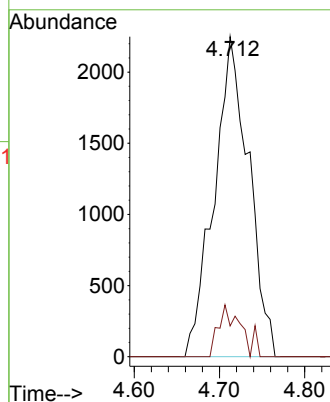
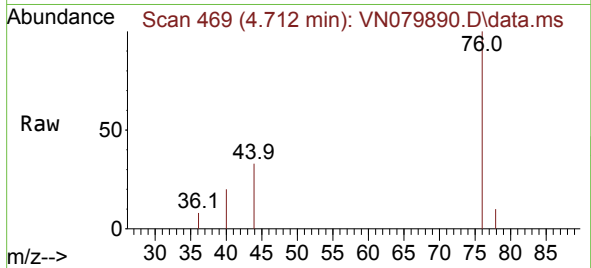




#17  
Carbon Disulfide  
Concen: 0.805 ug/l  
RT: 4.712 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

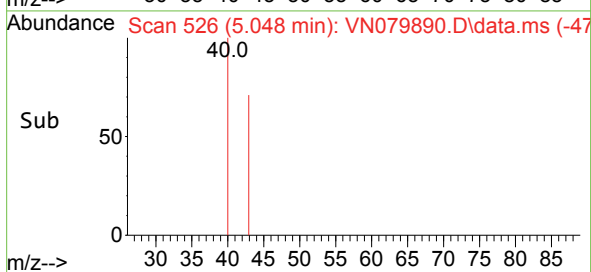
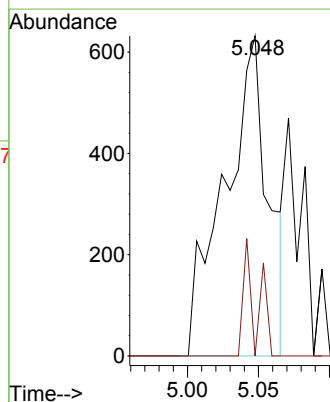
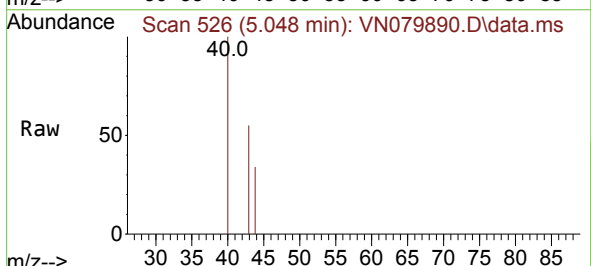
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

Tgt Ion: 76 Resp: 6361  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0

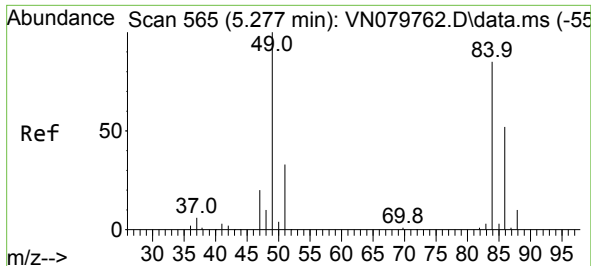


#18  
Methyl Acetate  
Concen: 0.206 ug/l  
RT: 5.048 min Scan# 526  
Delta R.T. 0.024 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 43 Resp: 1342  
Ion Ratio Lower Upper  
43 100  
74 11.0 26.2 39.4#



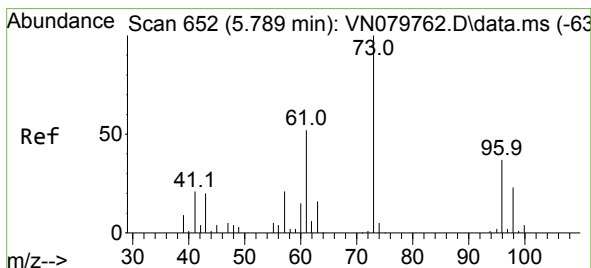
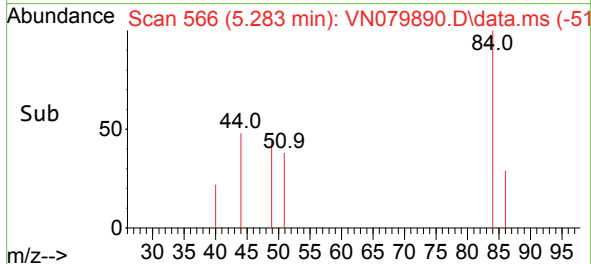
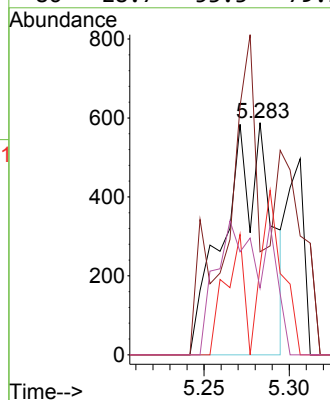
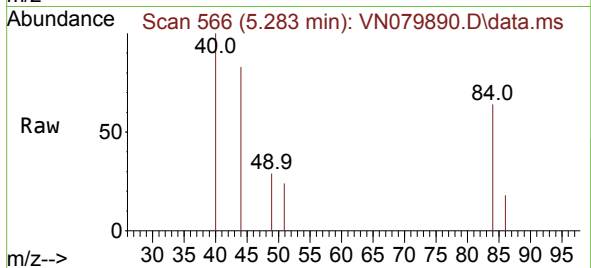




#20  
Methylene Chloride  
Concen: 0.323 ug/l  
RT: 5.283 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

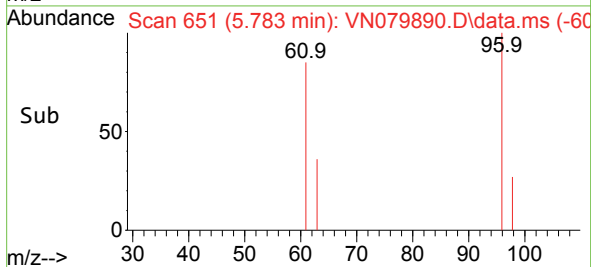
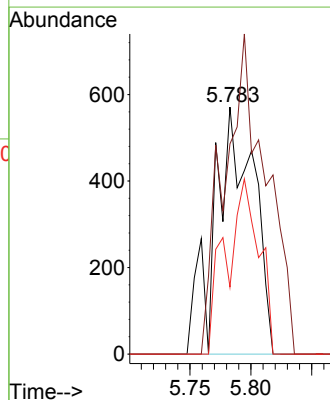
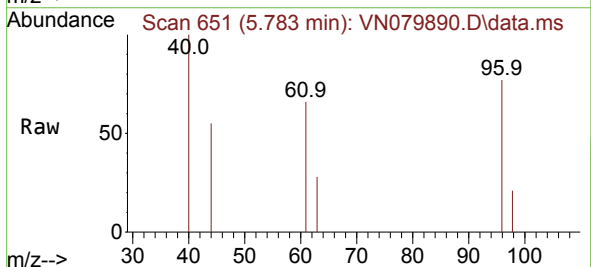
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

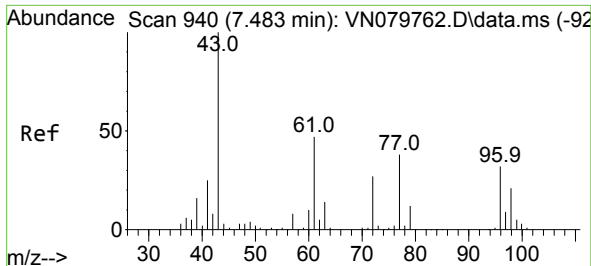
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 1111   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 44.4  | 79.7  | 119.5# |
| 51       | 37.9  | 25.2  | 37.8#  |
| 86       | 28.7  | 53.3  | 79.9#  |



#21  
trans-1,2-Dichloroethene  
Concen: 0.421 ug/l  
RT: 5.783 min Scan# 651  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 1285   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 85.1  | 90.1  | 135.1# |
| 98       | 27.1  | 46.4  | 69.6#  |

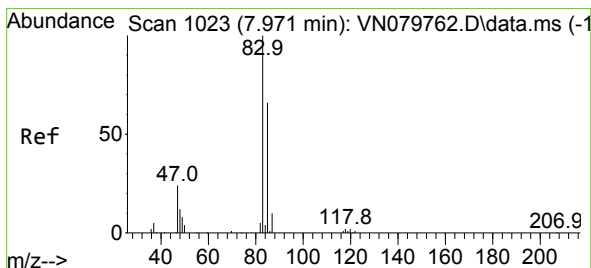
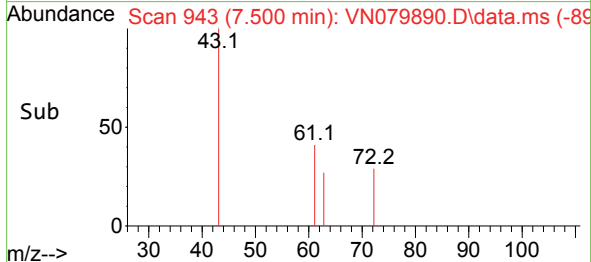
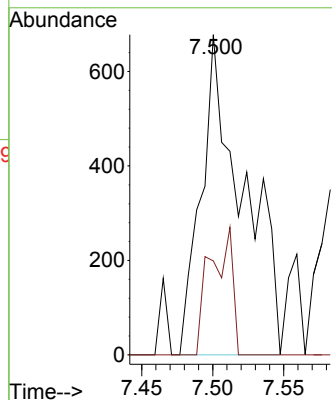
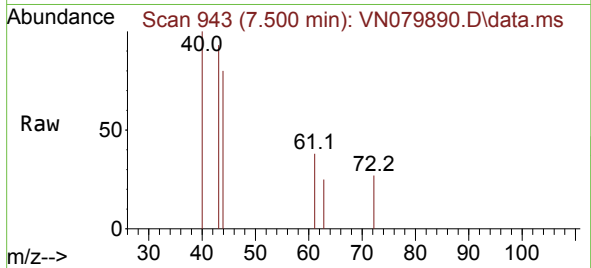




#25  
2-Butanone  
Concen: 0.700 ug/l  
RT: 7.500 min Scan# 940  
Delta R.T. 0.012 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

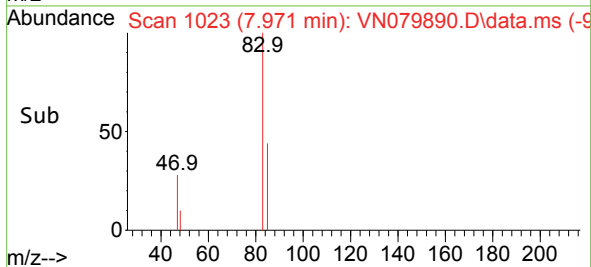
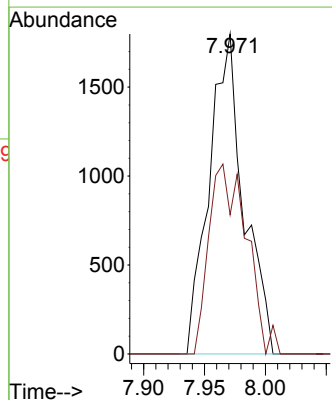
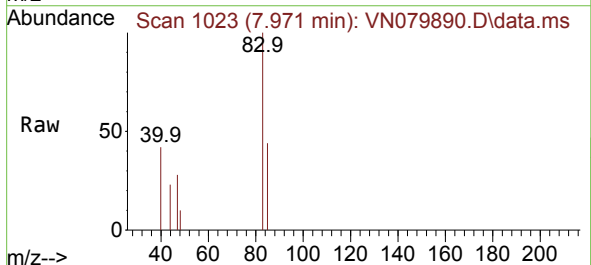
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

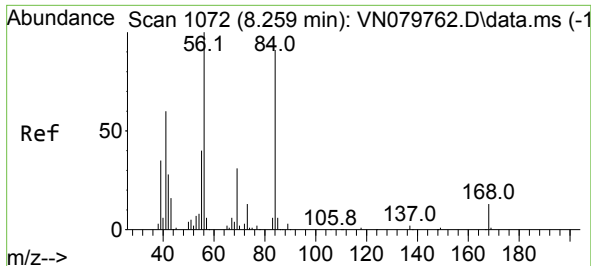
Tgt Ion: 43 Resp: 1396  
Ion Ratio Lower Upper  
43 100  
72 29.4 30.2 45.2#



#30  
Chloroform  
Concen: 0.554 ug/l  
RT: 7.971 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 83 Resp: 3554  
Ion Ratio Lower Upper  
83 100  
85 43.5 55.4 83.0#

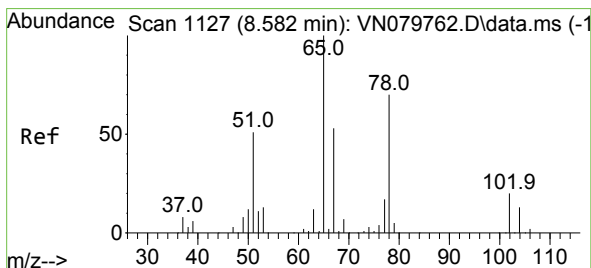
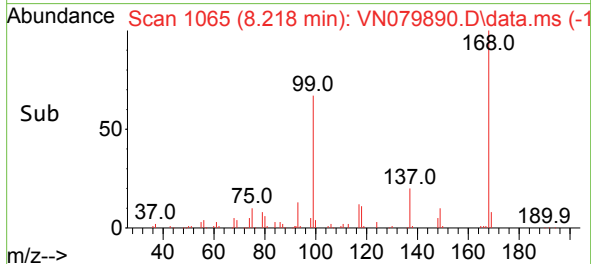
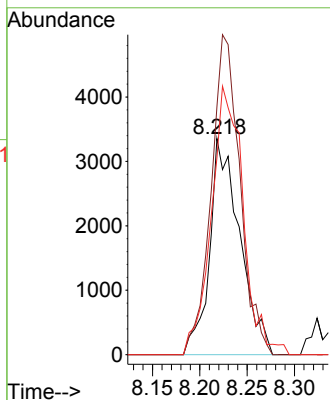
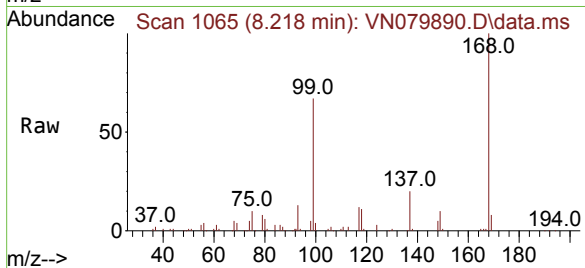




#31  
Cyclohexane  
Concen: 1.448 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.041 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

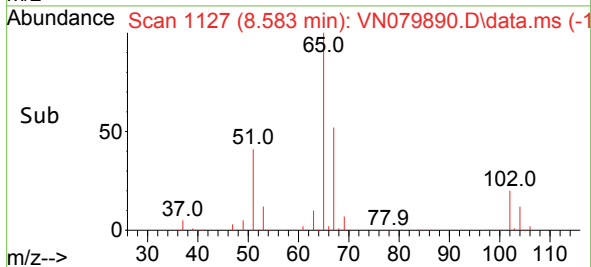
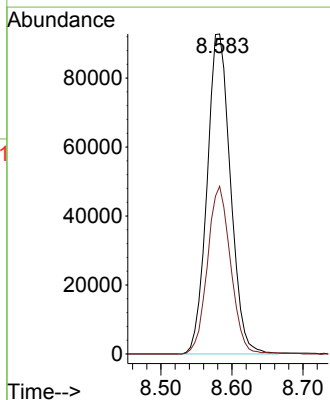
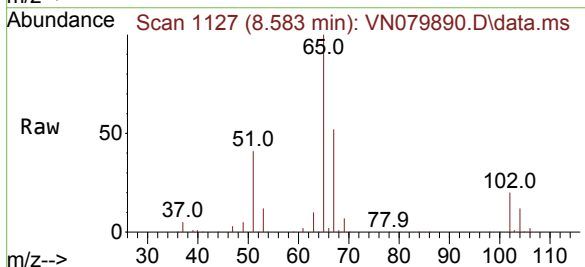
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

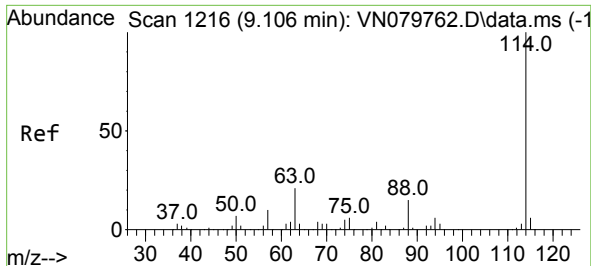
Tgt Ion: 56 Resp: 7419  
Ion Ratio Lower Upper  
56 100  
69 114.6 26.8 40.2#  
84 91.0 81.8 122.6



#33  
1,2-Dichloroethane-d4  
Concen: 54.806 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 65 Resp: 212506  
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# 1

Delta R.T. 0.000 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1104MBL01

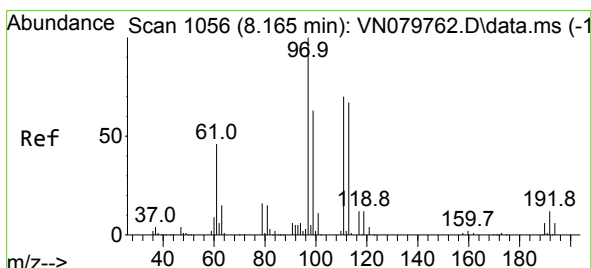
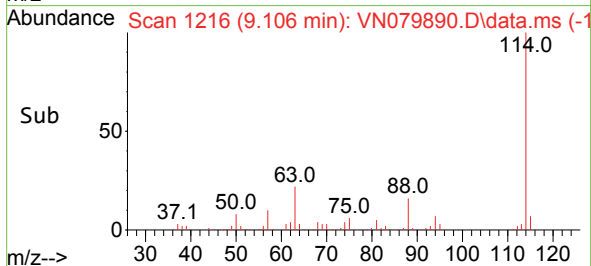
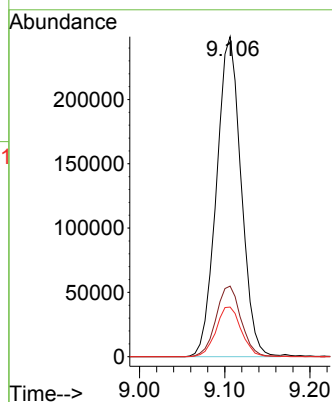
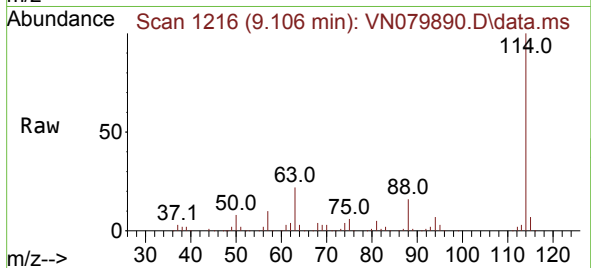
Tgt Ion:114 Resp: 498903

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.297 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

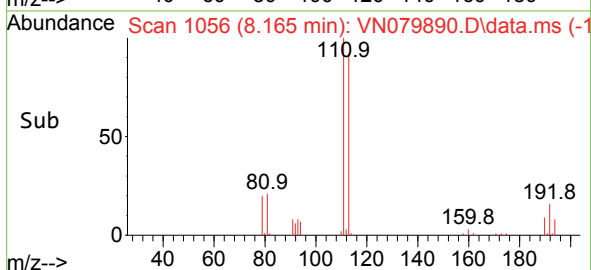
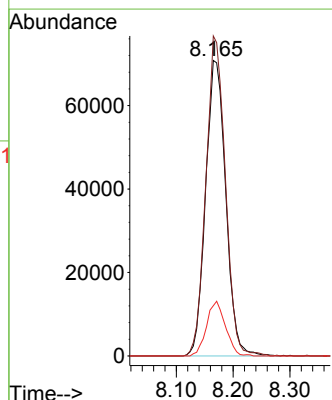
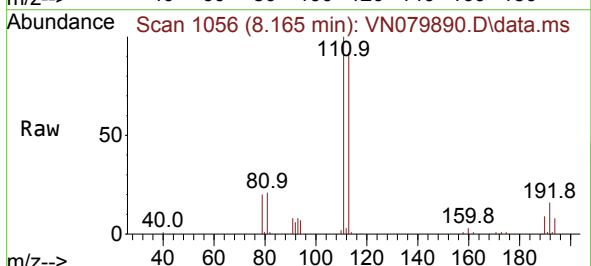
Tgt Ion:113 Resp: 174071

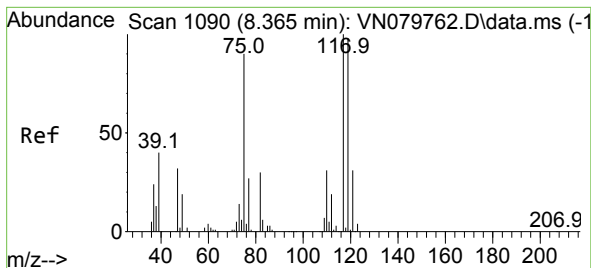
Ion Ratio Lower Upper

113 100

111 104.9 82.6 123.8

192 17.4 12.7 19.1





#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.129 min

Lab File: VN079890.D

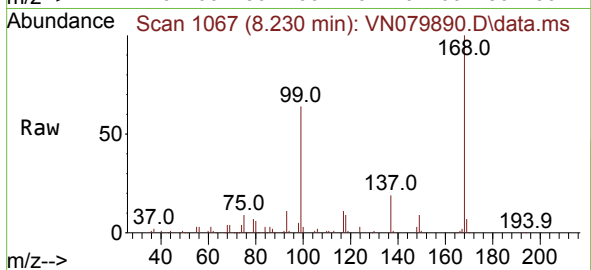
Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1104MBL01



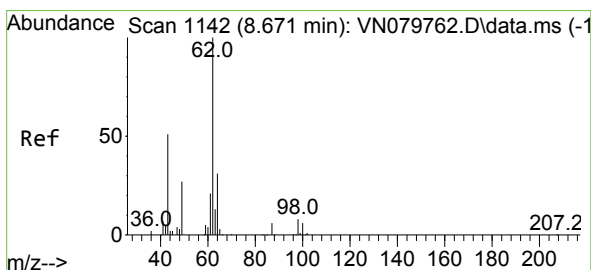
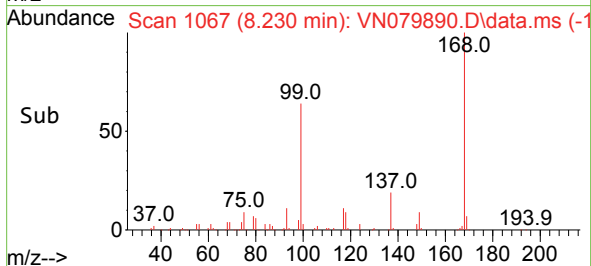
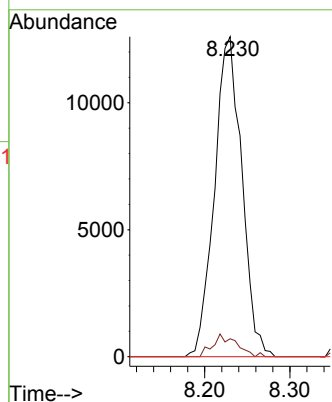
Tgt Ion:117 Resp: 28053

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.234 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN079890.D

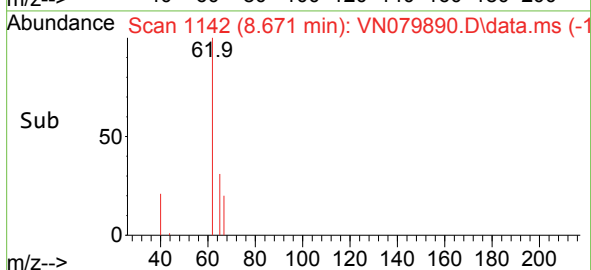
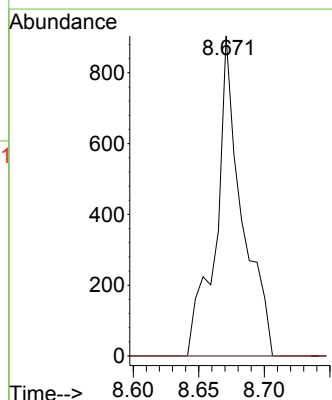
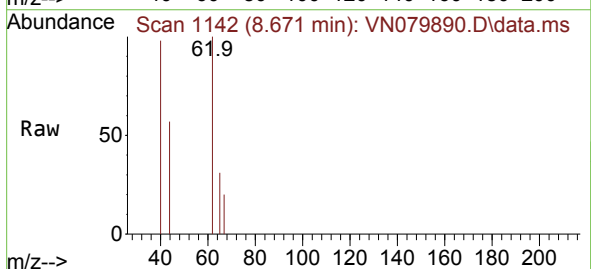
Acq: 04 Nov 2023 14:06

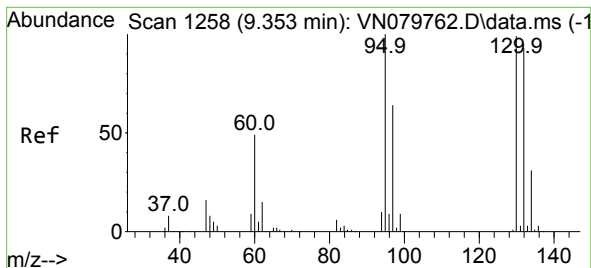
Tgt Ion: 62 Resp: 1233

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8





#44

Trichloroethene

Concen: 0.261 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

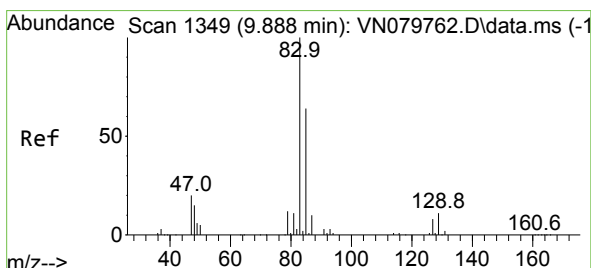
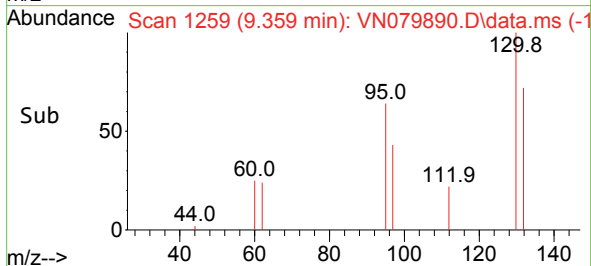
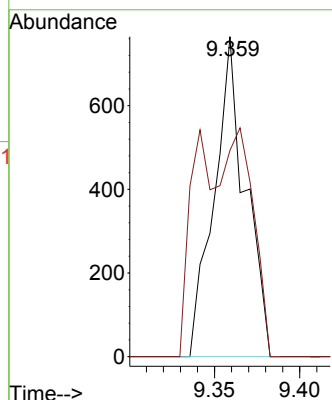
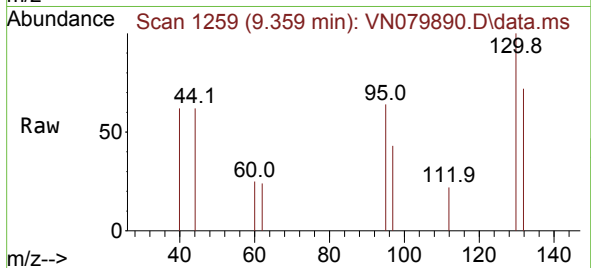
VN1104MBL01

Tgt Ion:130 Resp: 977

Ion Ratio Lower Upper

130 100

95 64.4 0.0 204.6



#47

Bromodichloromethane

Concen: 0.352 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

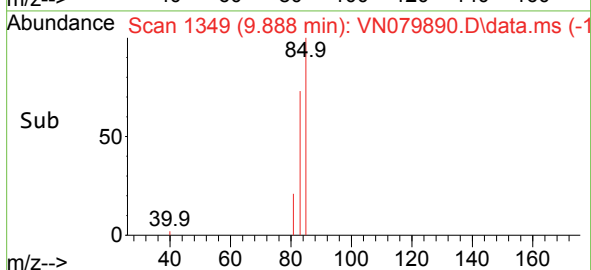
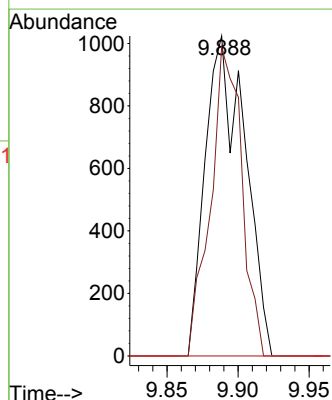
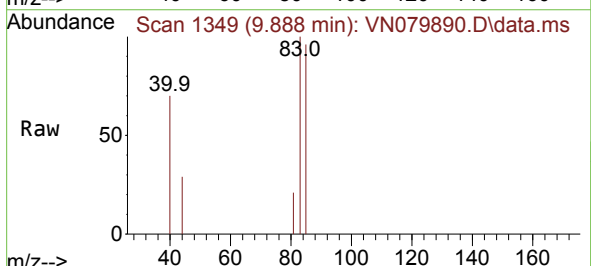
Tgt Ion: 83 Resp: 1980

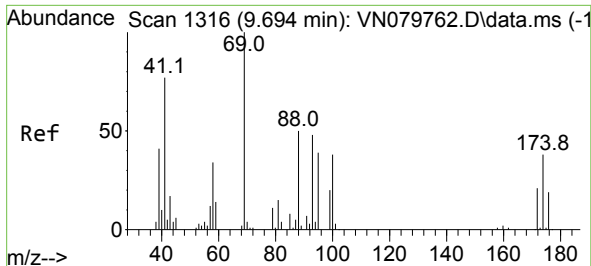
Ion Ratio Lower Upper

83 100

85 96.5 49.6 74.4#

127 0.0 7.0 10.6#





#49

1,4-Dioxane

Concen: 0.860 ug/l

RT: 9.736 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1104MBL01

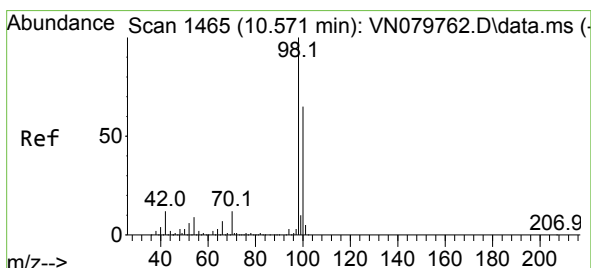
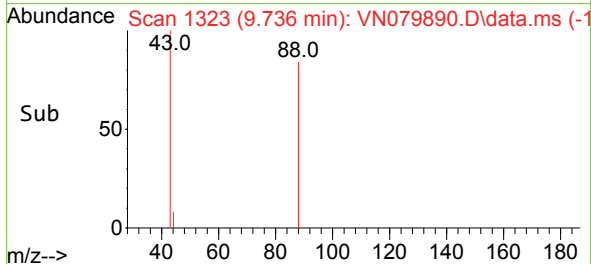
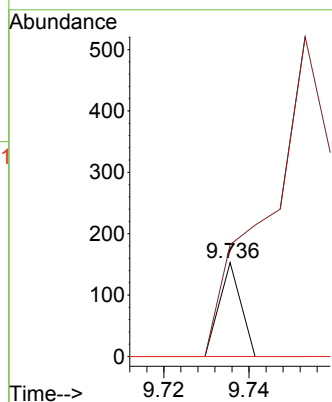
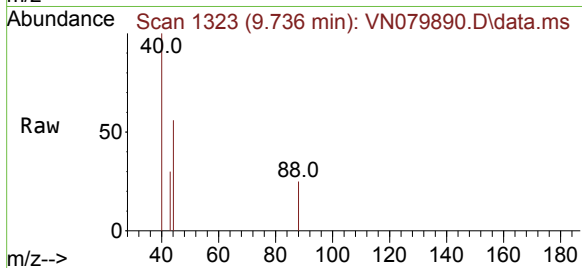
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 1085.2 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 47.155 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079890.D

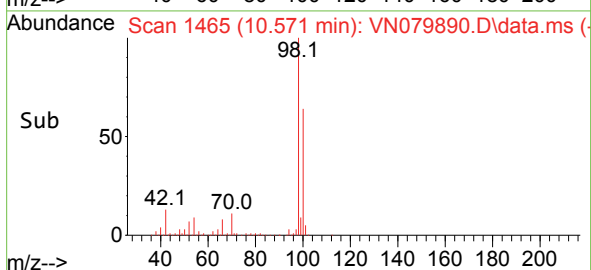
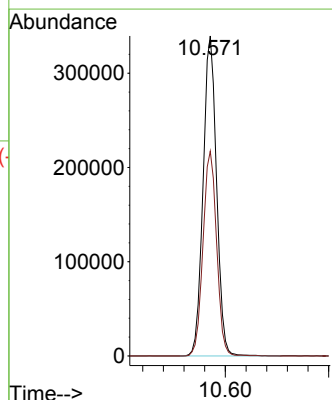
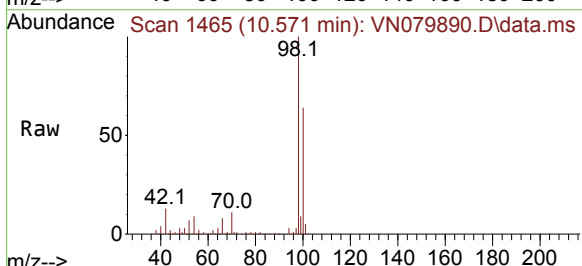
Acq: 04 Nov 2023 14:06

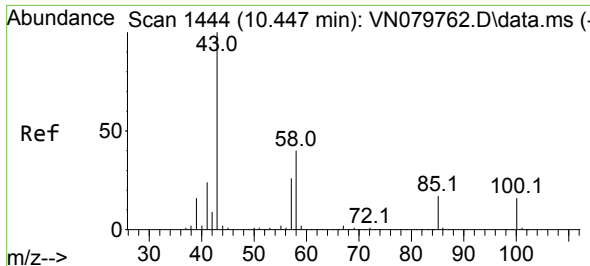
Tgt Ion: 98 Resp: 612966

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

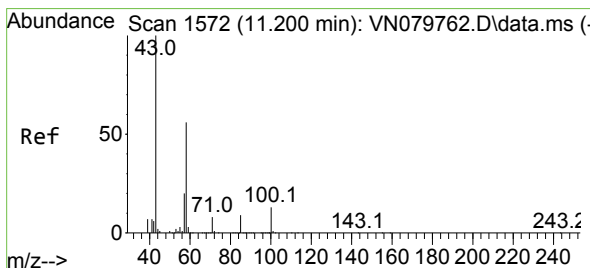
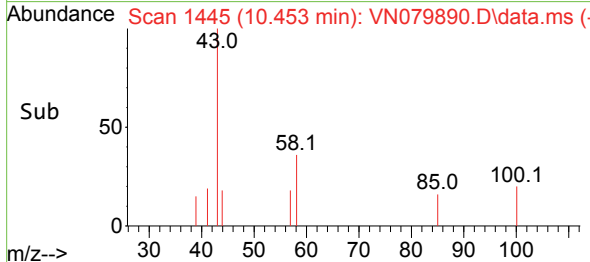
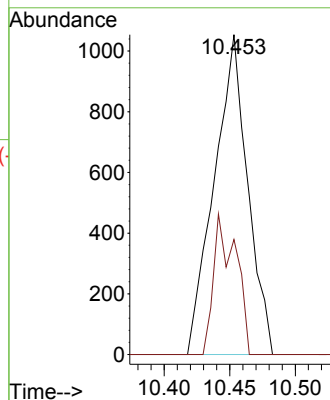
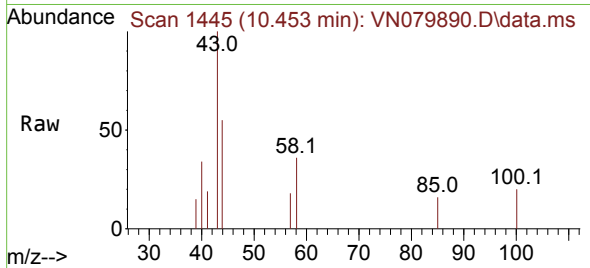




#51  
4-Methyl-2-Pentanone  
Concen: 0.409 ug/l  
RT: 10.453 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

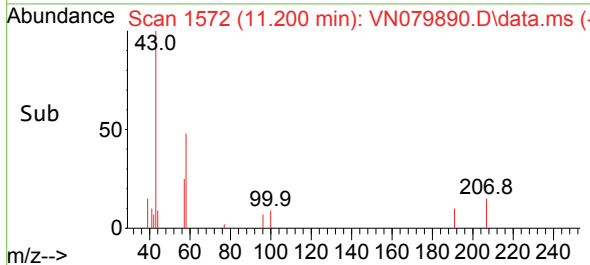
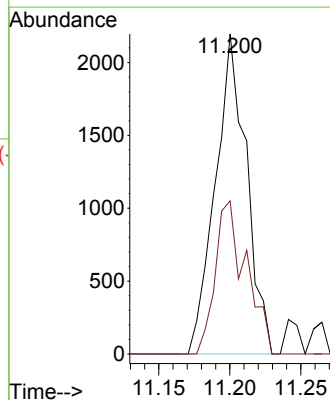
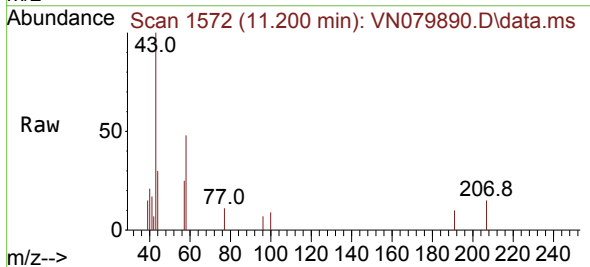
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

Tgt Ion: 43 Resp: 1867  
Ion Ratio Lower Upper  
43 100  
58 29.3 36.6 54.8#

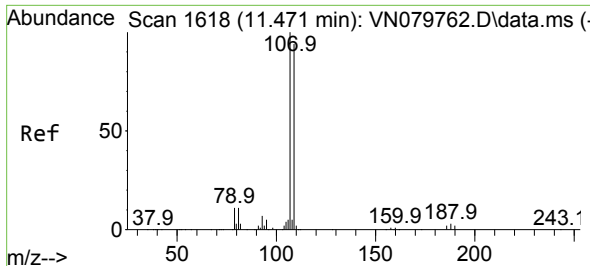


#59  
2-Hexanone  
Concen: 0.959 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 43 Resp: 3348  
Ion Ratio Lower Upper  
43 100  
58 47.3 31.7 95.1



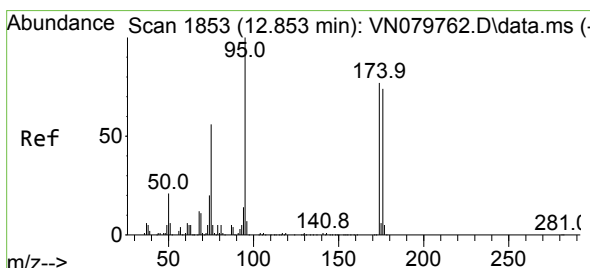
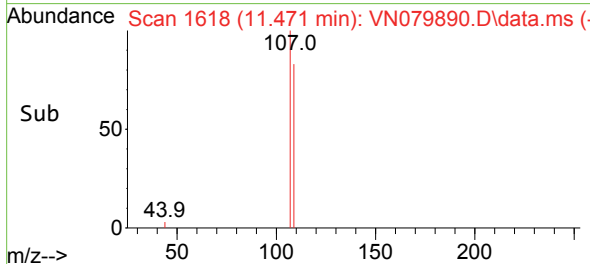
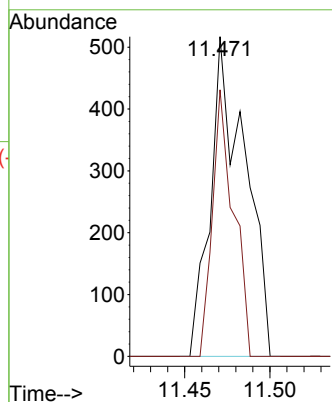
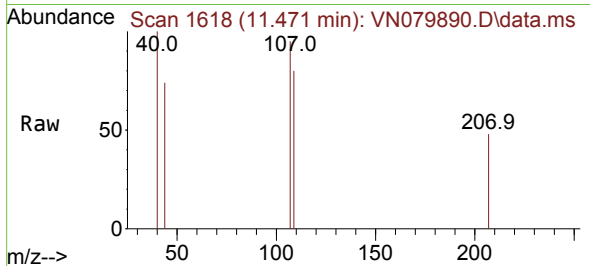




#61  
1,2-Dibromoethane  
Concen: 0.201 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

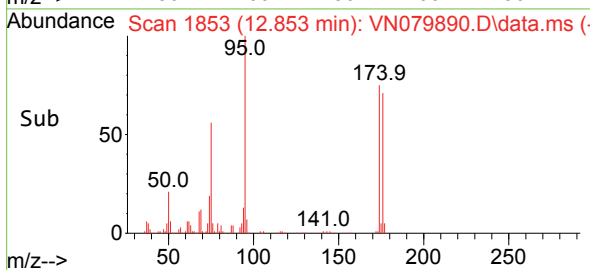
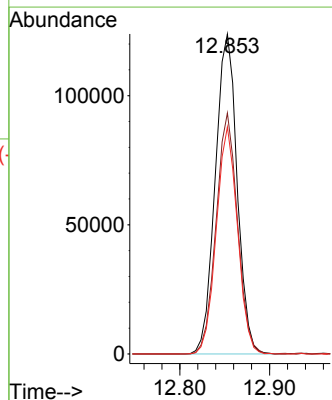
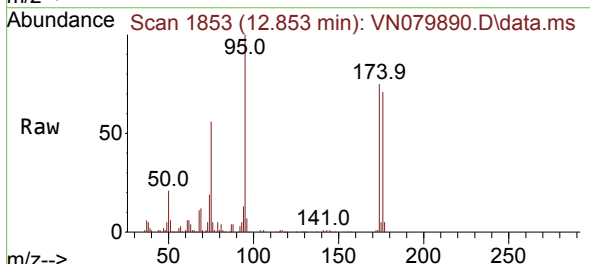
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

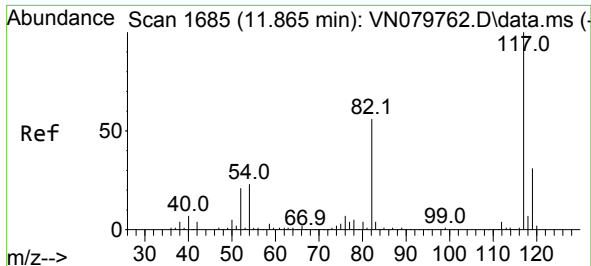
Tgt Ion:107 Resp: 727  
Ion Ratio Lower Upper  
107 100  
109 51.0 76.6 114.8#



#62  
4-Bromofluorobenzene  
Concen: 48.588 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 95 Resp: 209471  
Ion Ratio Lower Upper  
95 100  
174 73.9 0.0 143.8  
176 68.7 0.0 135.8

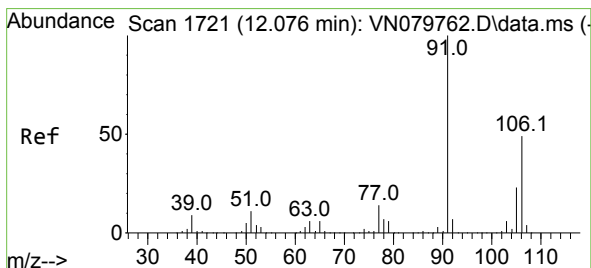
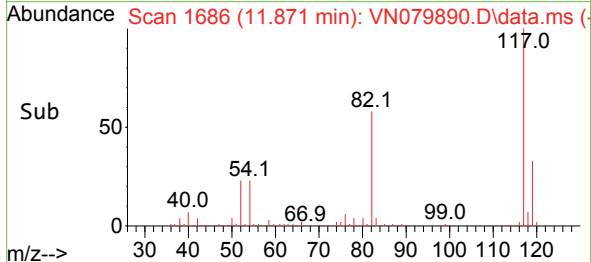
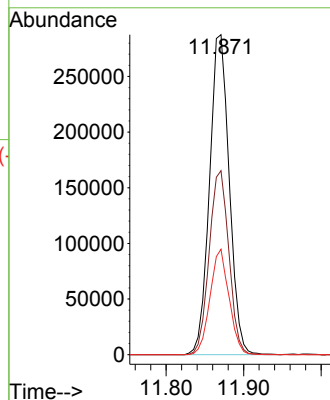
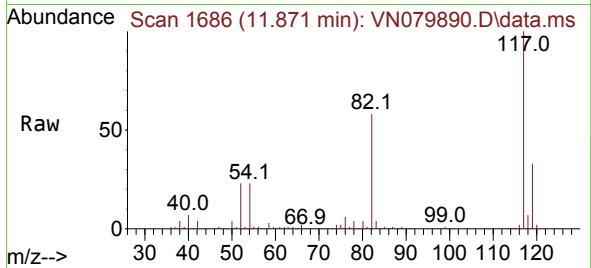




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.871 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

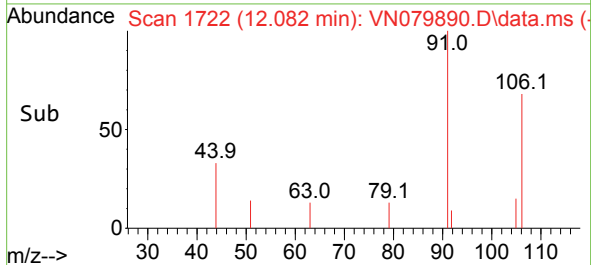
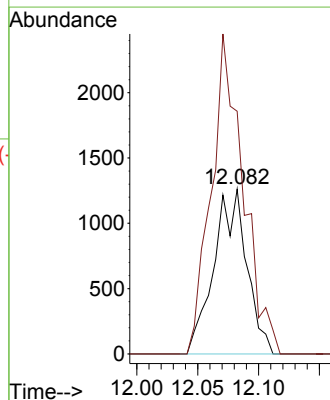
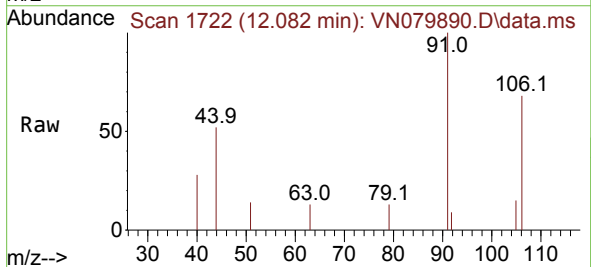
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

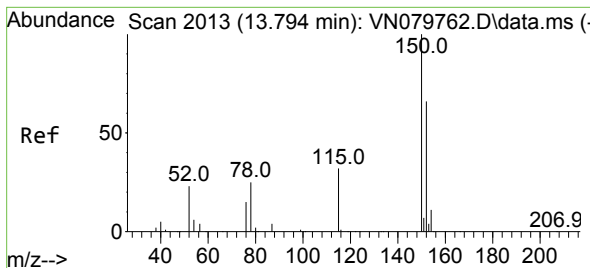
Tgt Ion:117 Resp: 508387  
Ion Ratio Lower Upper  
117 100  
82 57.5 44.0 66.0  
119 32.9 25.6 38.4



#68  
m/p-Xylenes  
Concen: 0.330 ug/l  
RT: 12.082 min Scan# 1722  
Delta R.T. 0.012 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion:106 Resp: 2361  
Ion Ratio Lower Upper  
106 100  
91 189.8 159.6 239.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1104MBL01

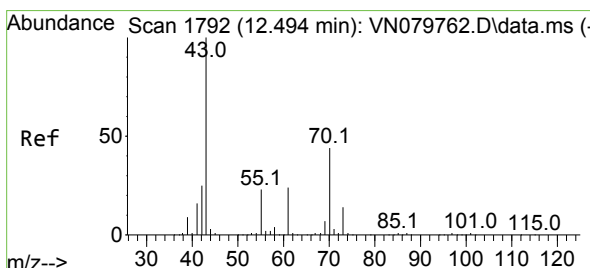
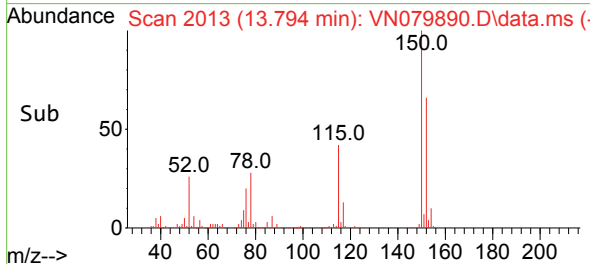
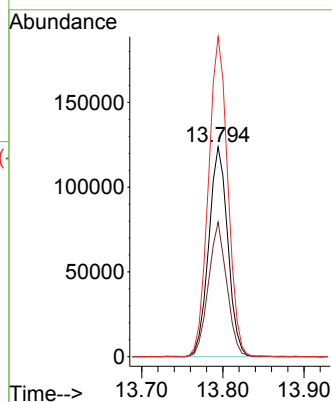
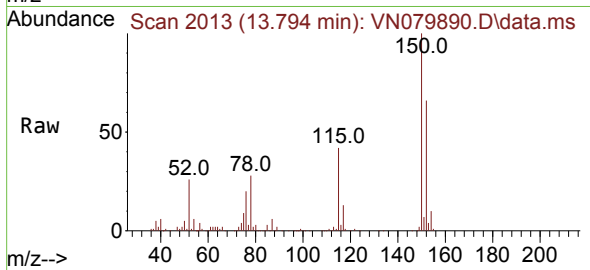
Tgt Ion:152 Resp: 201516

Ion Ratio Lower Upper

152 100

115 61.8 32.3 96.8

150 155.0 0.0 355.8



#74

N-ethyl acetate

Concen: 0.208 ug/l

RT: 12.500 min Scan# 1793

Delta R.T. 0.006 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Tgt Ion: 43 Resp: 1389

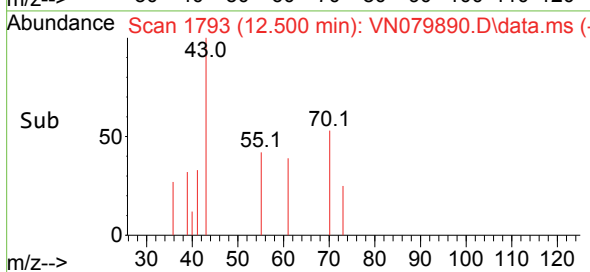
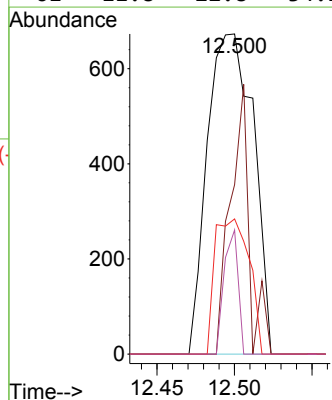
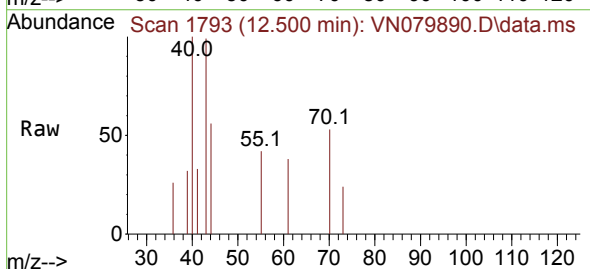
Ion Ratio Lower Upper

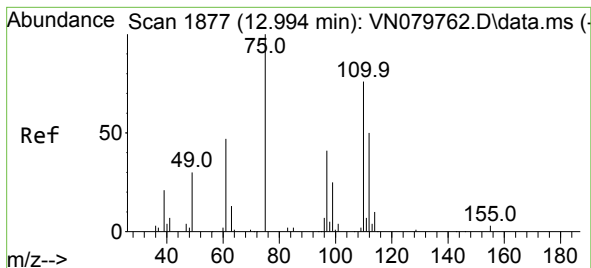
43 100

70 34.4 43.4 65.2#

55 31.5 21.4 32.0

61 11.8 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 24.050 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

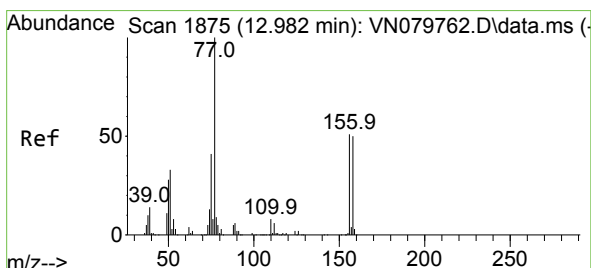
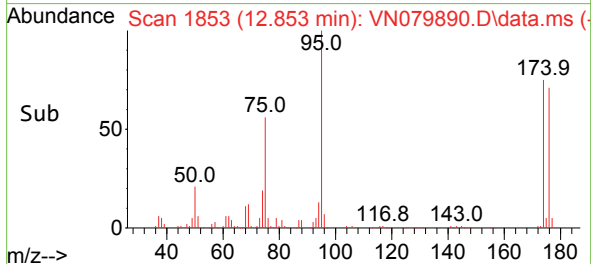
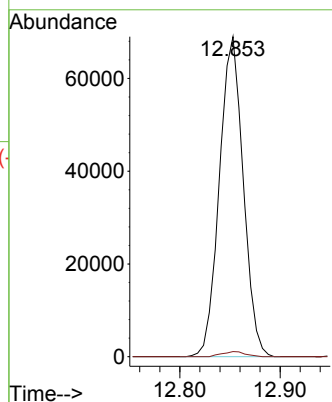
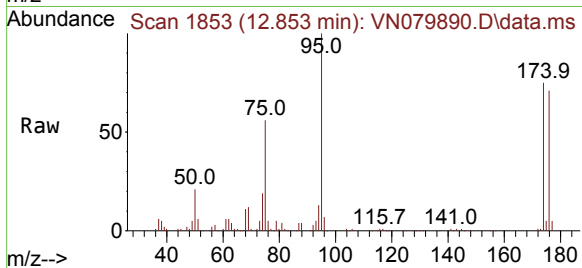
VN1104MBL01

Tgt Ion: 75 Resp: 113781

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#77

Bromobenzene

Concen: 0.323 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

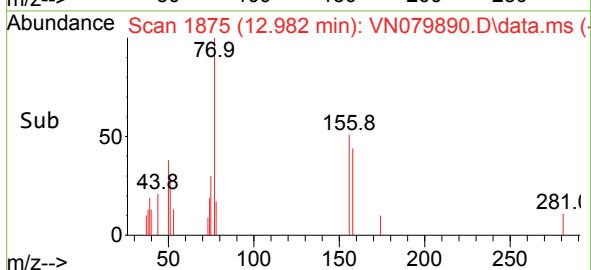
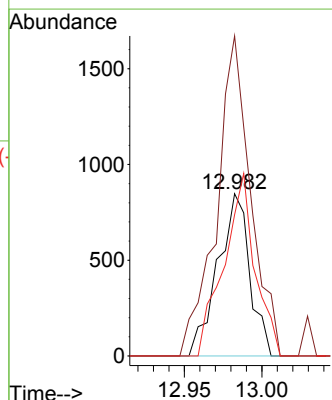
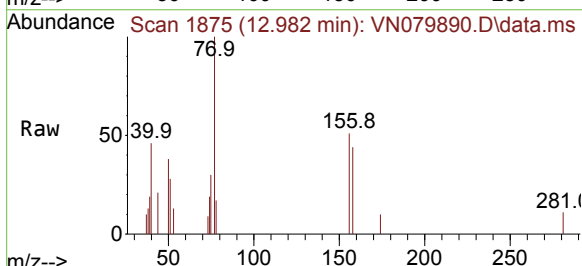
Tgt Ion:156 Resp: 1210

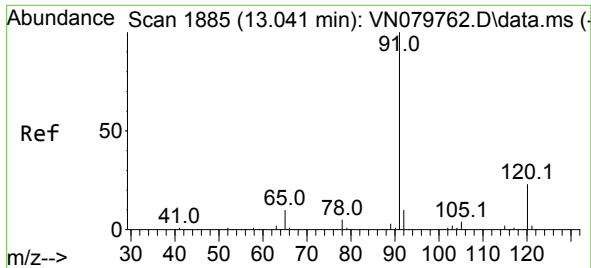
Ion Ratio Lower Upper

156 100

77 211.2 107.7 323.3

158 110.2 48.4 145.3

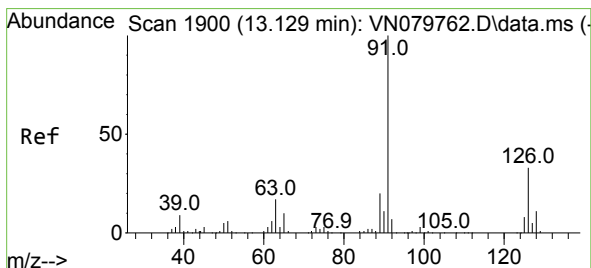
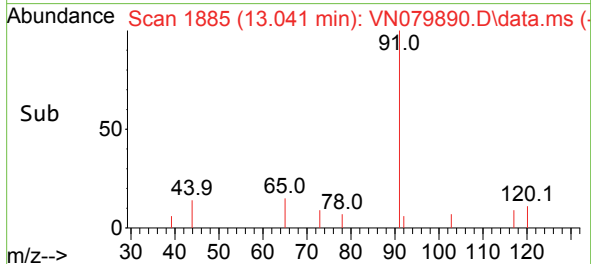
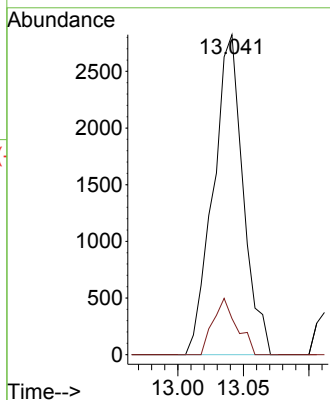
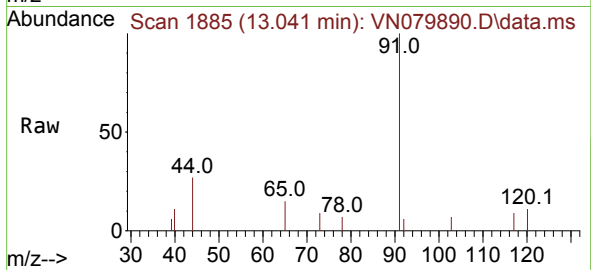




#78  
n-propylbenzene  
Concen: 0.256 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

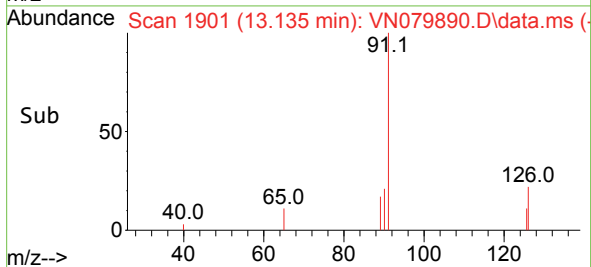
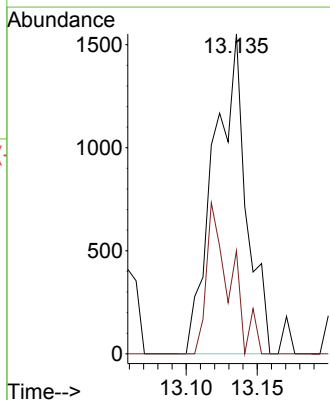
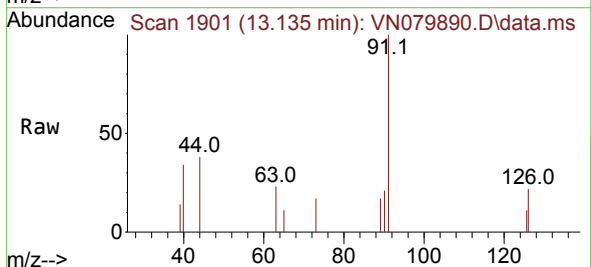
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

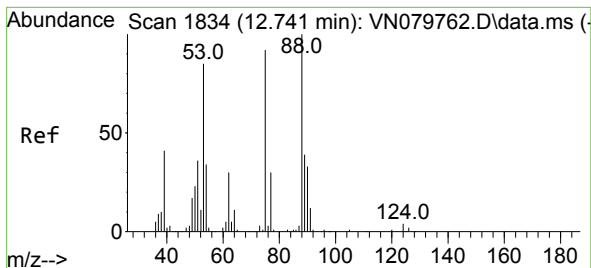
Tgt Ion: 91 Resp: 4480  
Ion Ratio Lower Upper  
91 100  
120 14.0 11.5 34.4



#79  
2-Chlorotoluene  
Concen: 0.220 ug/l  
RT: 13.135 min Scan# 1901  
Delta R.T. 0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 91 Resp: 2457  
Ion Ratio Lower Upper  
91 100  
126 34.4 16.3 48.8

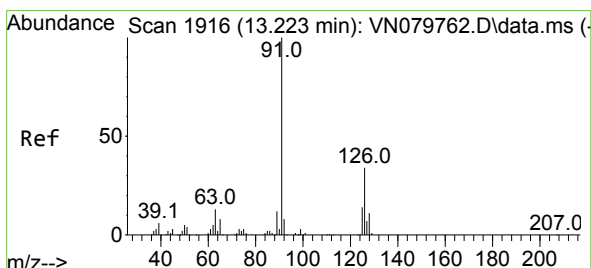
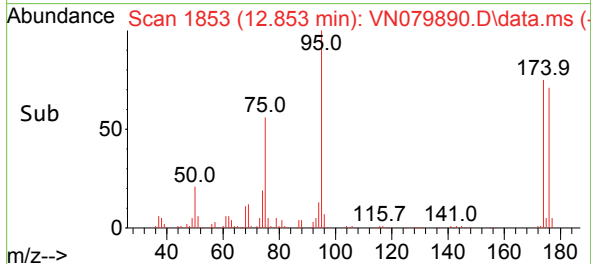
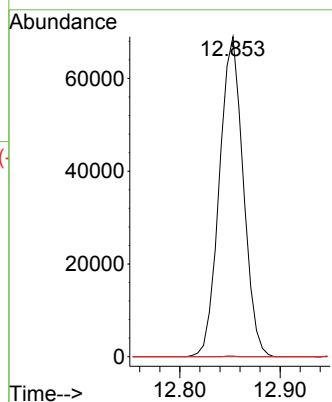
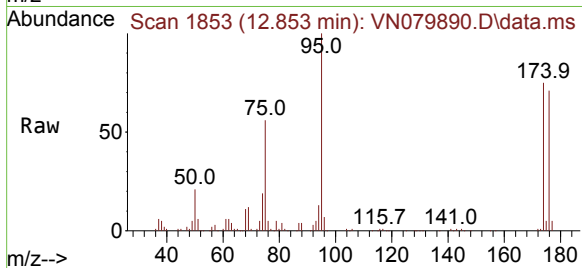




#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.435 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.118 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

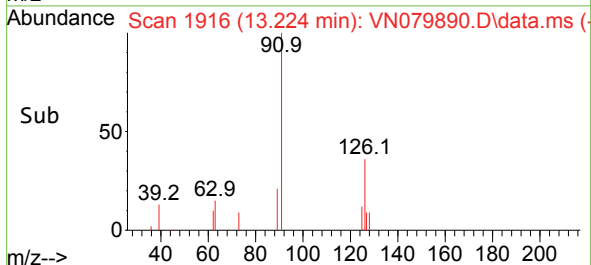
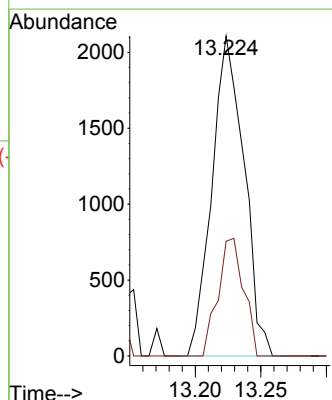
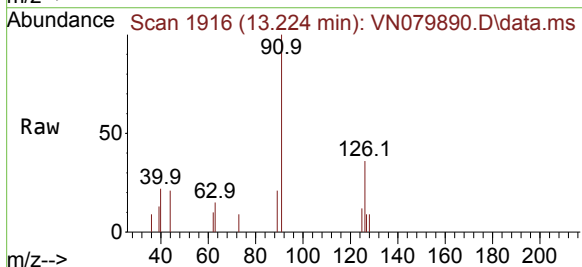
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

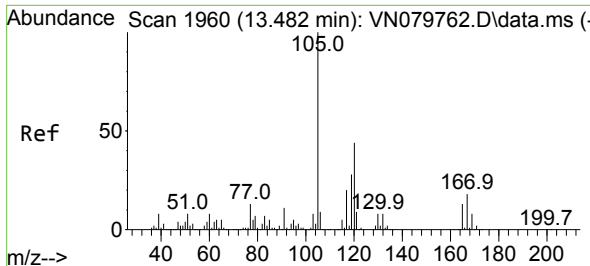
Tgt Ion: 75 Resp: 113781  
Ion Ratio Lower Upper  
75 100  
53 0.1 67.4 101.2#  
89 0.0 38.8 58.2#



#82  
4-Chlorotoluene  
Concen: 0.322 ug/l  
RT: 13.224 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 91 Resp: 3578  
Ion Ratio Lower Upper  
91 100  
126 29.5 16.7 50.0

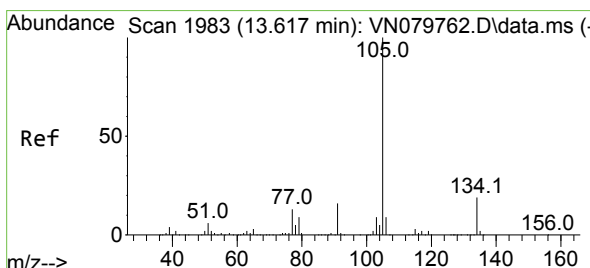
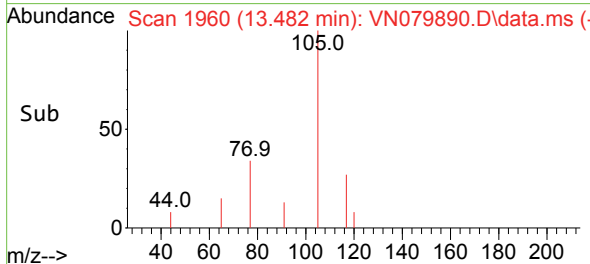
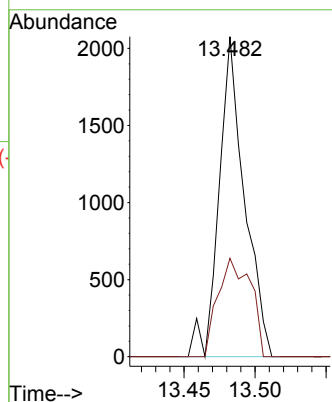
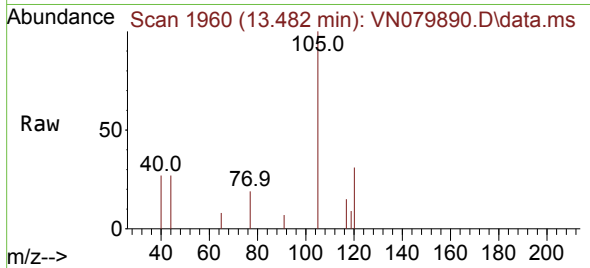




#84  
1,2,4-Trimethylbenzene  
Concen: 0.221 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

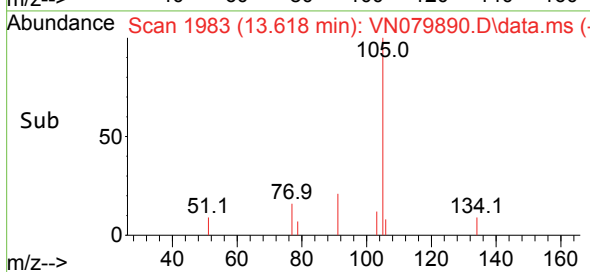
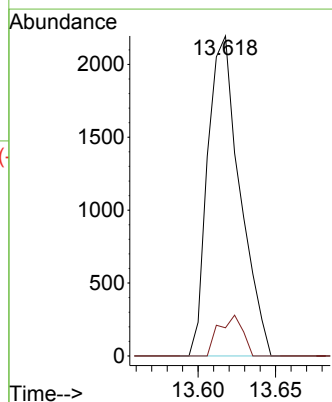
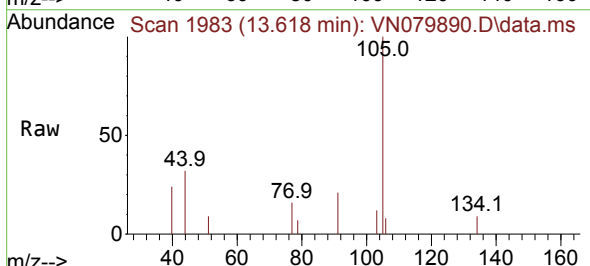
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

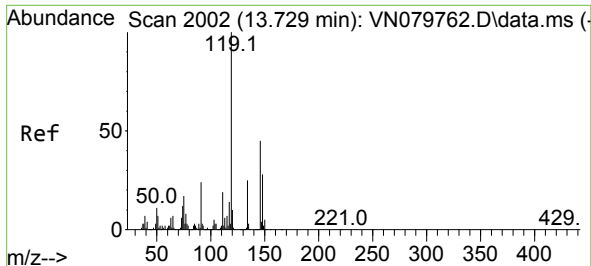
Tgt Ion:105 Resp: 2586  
Ion Ratio Lower Upper  
105 100  
120 39.4 22.0 66.0



#85  
sec-Butylbenzene  
Concen: 0.235 ug/l  
RT: 13.618 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion:105 Resp: 3175  
Ion Ratio Lower Upper  
105 100  
134 9.4 9.8 29.3#

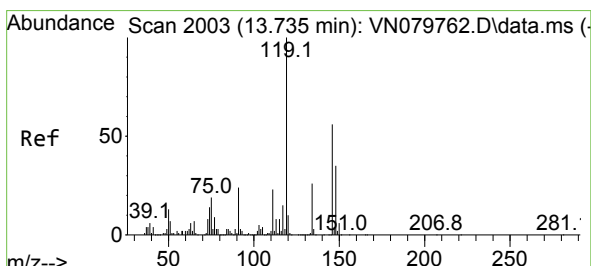
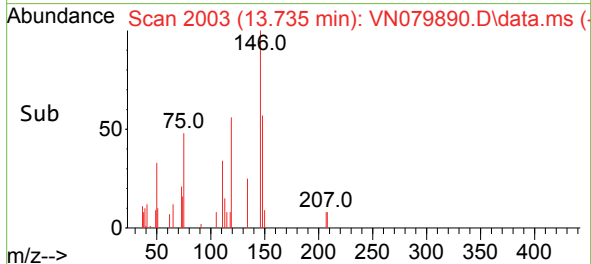
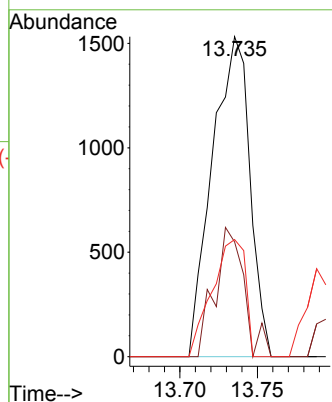
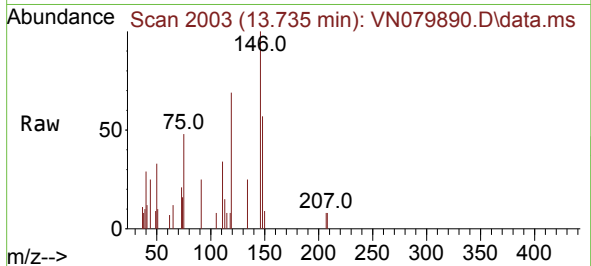




#86  
p-Isopropyltoluene  
Concen: 0.235 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

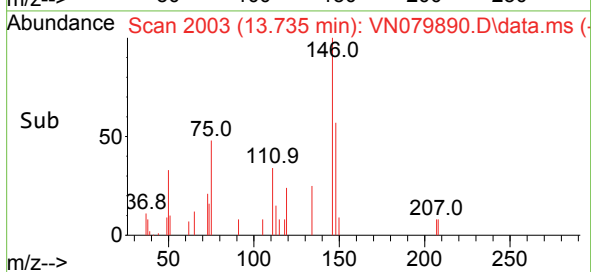
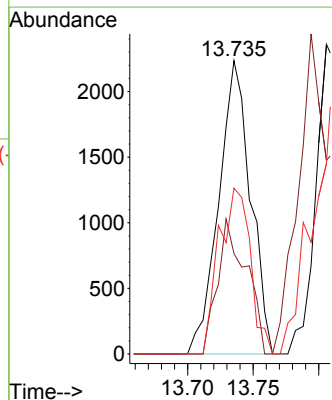
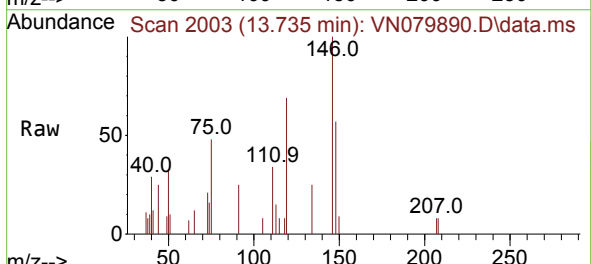
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

Tgt Ion:119 Resp: 2582  
Ion Ratio Lower Upper  
119 100  
134 31.2 12.6 37.8  
91 32.4 12.4 37.2

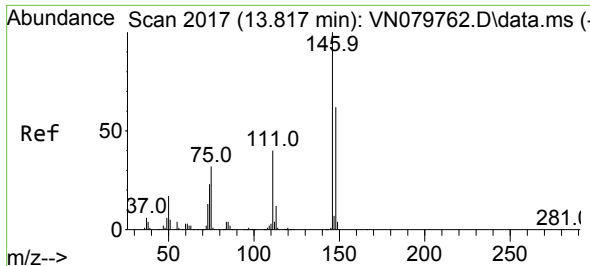


#87  
1,3-Dichlorobenzene  
Concen: 0.540 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion:146 Resp: 3761  
Ion Ratio Lower Upper  
146 100  
111 41.6 22.1 66.3  
148 55.9 32.0 96.0



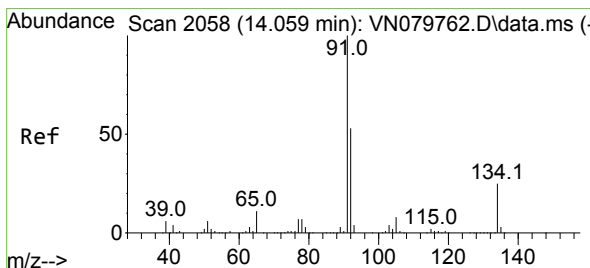
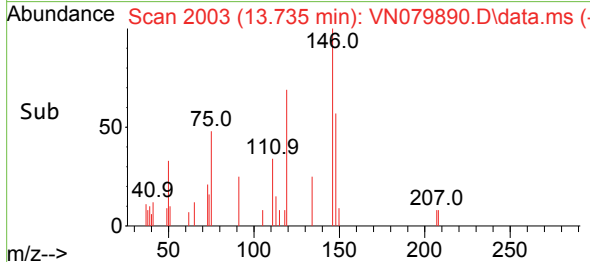
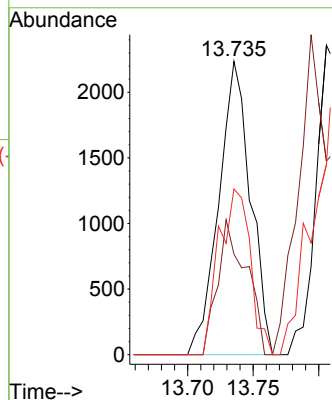
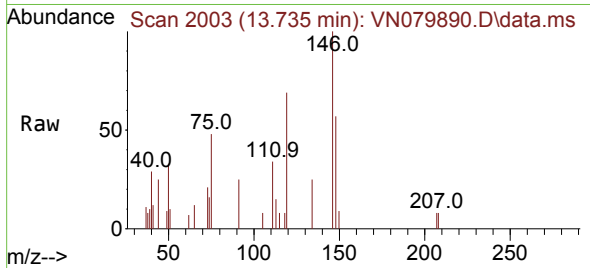




#88  
1,4-Dichlorobenzene  
Concen: 0.532 ug/l  
RT: 13.735 min Scan# 2017  
Delta R.T. -0.082 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

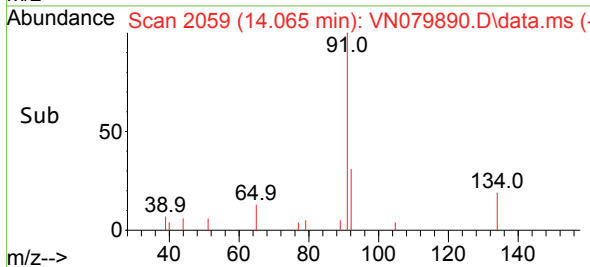
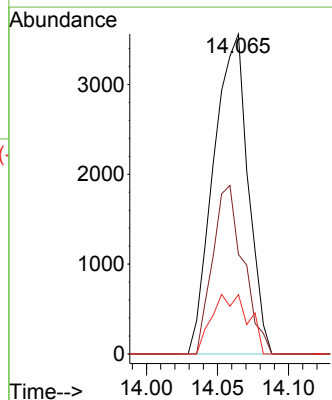
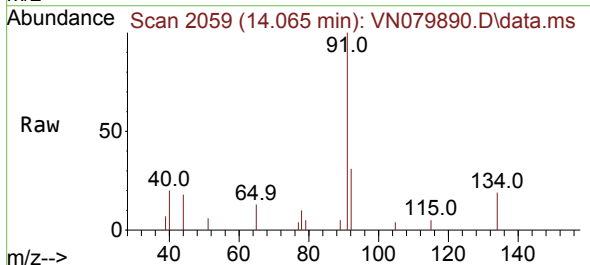
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

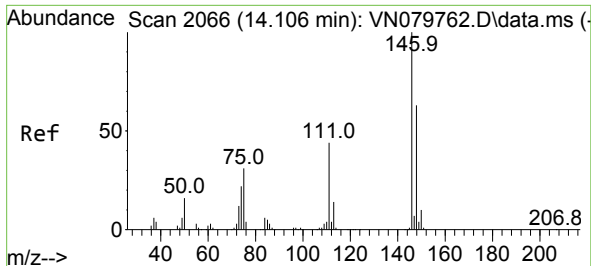
Tgt Ion:146 Resp: 3761  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.6 61.8  
148 55.9 31.6 94.8



#89  
n-Butylbenzene  
Concen: 0.634 ug/l  
RT: 14.065 min Scan# 2059  
Delta R.T. 0.006 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 91 Resp: 6007  
Ion Ratio Lower Upper  
91 100  
92 46.9 26.4 79.0  
134 19.7 12.6 37.6

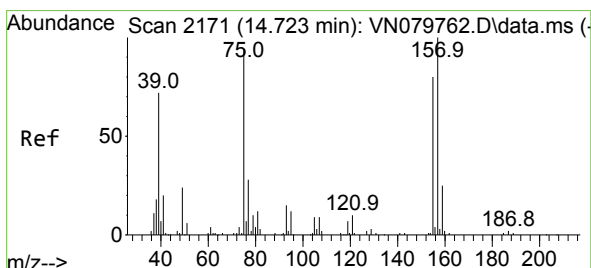
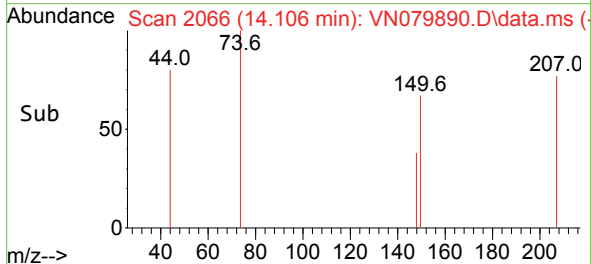
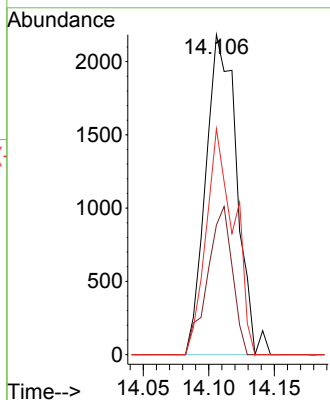
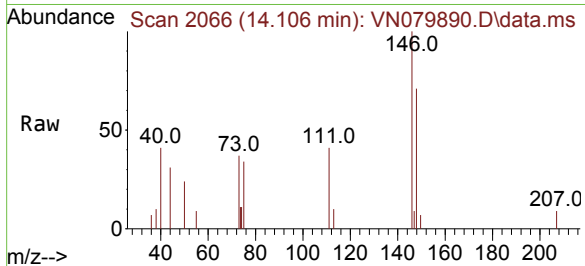




#91  
1,2-Dichlorobenzene  
Concen: 0.545 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

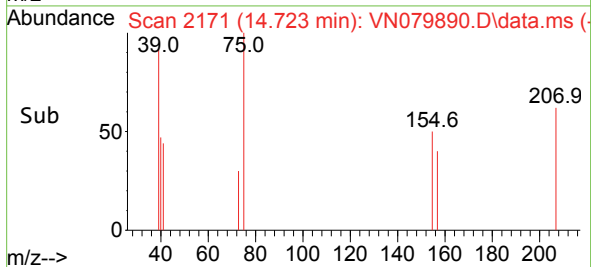
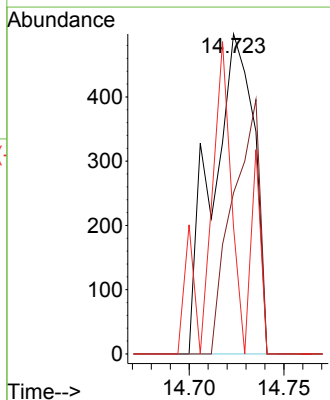
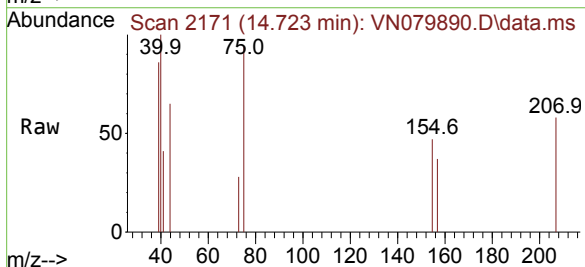
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

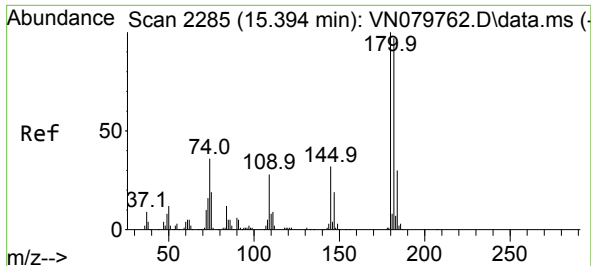
Tgt Ion:146 Resp: 3586  
Ion Ratio Lower Upper  
146 100  
111 37.1 22.0 66.0  
148 64.1 31.8 95.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.825 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion: 75 Resp: 759  
Ion Ratio Lower Upper  
75 100  
155 51.9 39.1 117.2  
157 51.8 50.3 150.9

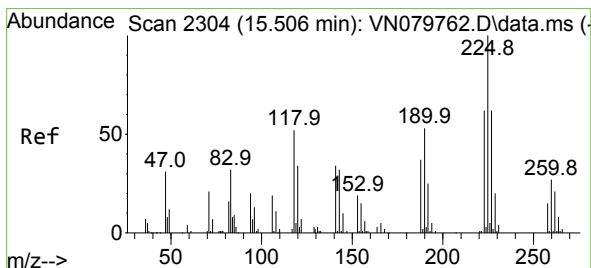
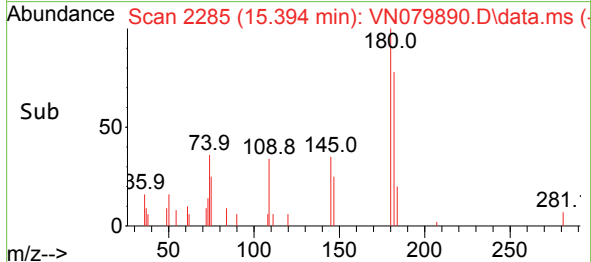
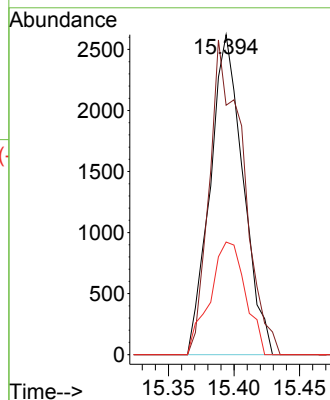
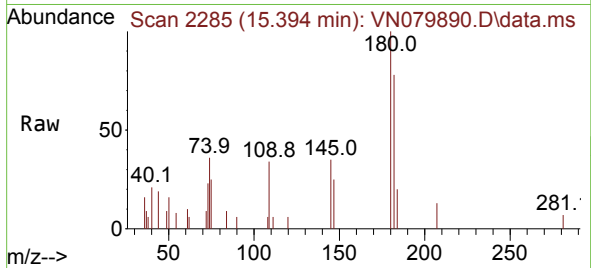




#93  
1,2,4-Trichlorobenzene  
Concen: 1.465 ug/l  
RT: 15.394 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

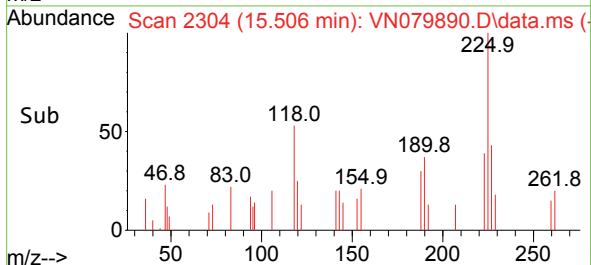
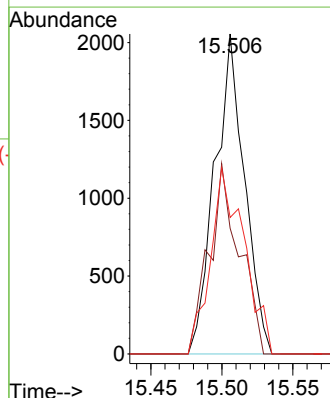
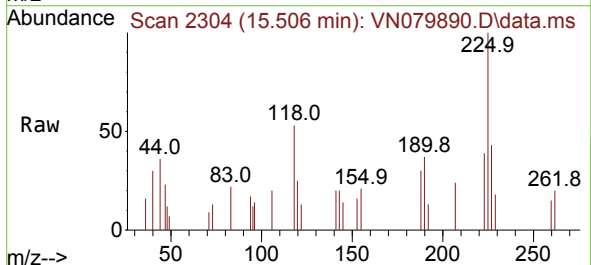
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104MBL01

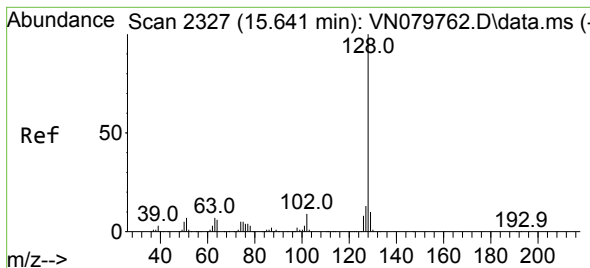
Tgt Ion:180 Resp: 4581  
Ion Ratio Lower Upper  
180 100  
182 100.4 46.1 138.2  
145 37.9 16.6 49.8



#94  
Hexachlorobutadiene  
Concen: 2.111 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. 0.000 min  
Lab File: VN079890.D  
Acq: 04 Nov 2023 14:06

Tgt Ion:225 Resp: 2992  
Ion Ratio Lower Upper  
225 100  
223 60.7 31.3 93.8  
227 65.8 31.9 95.9





#95

Naphthalene

Concen: 1.846 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1104MBL01

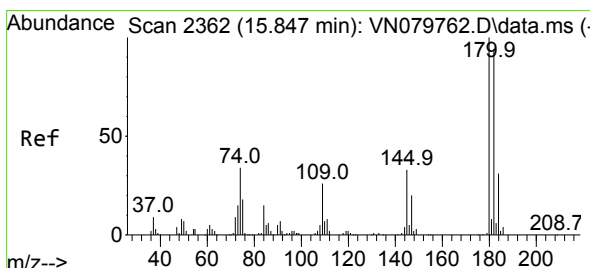
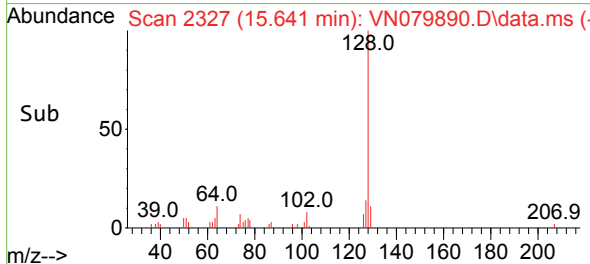
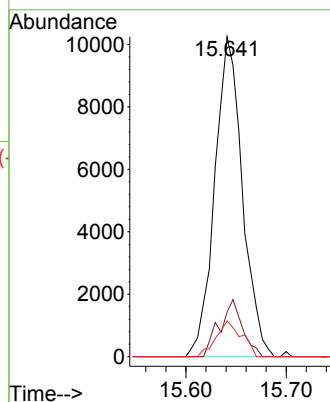
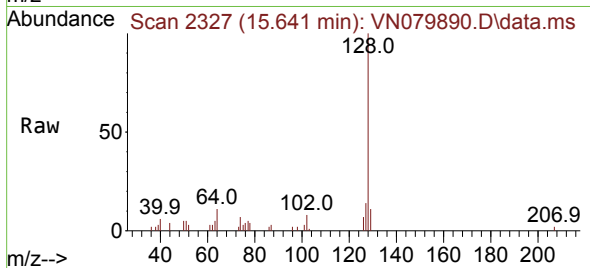
Tgt Ion:128 Resp: 19576

Ion Ratio Lower Upper

128 100

127 14.8 10.0 15.0

129 10.3 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.911 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN079890.D

Acq: 04 Nov 2023 14:06

Tgt Ion:180 Resp: 5857

Ion Ratio Lower Upper

180 100

182 93.3 46.2 138.6

145 36.2 17.5 52.6

