

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111124\  
 Data File : VN084786.D  
 Acq On : 11 Nov 2024 20:54  
 Operator : JC\MD  
 Sample : P4791-02 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HINCHMAN-OILY-WATER

Quant Time: Nov 12 00:39:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N103024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 18:45:38 2024  
 Response via : Initial Calibration

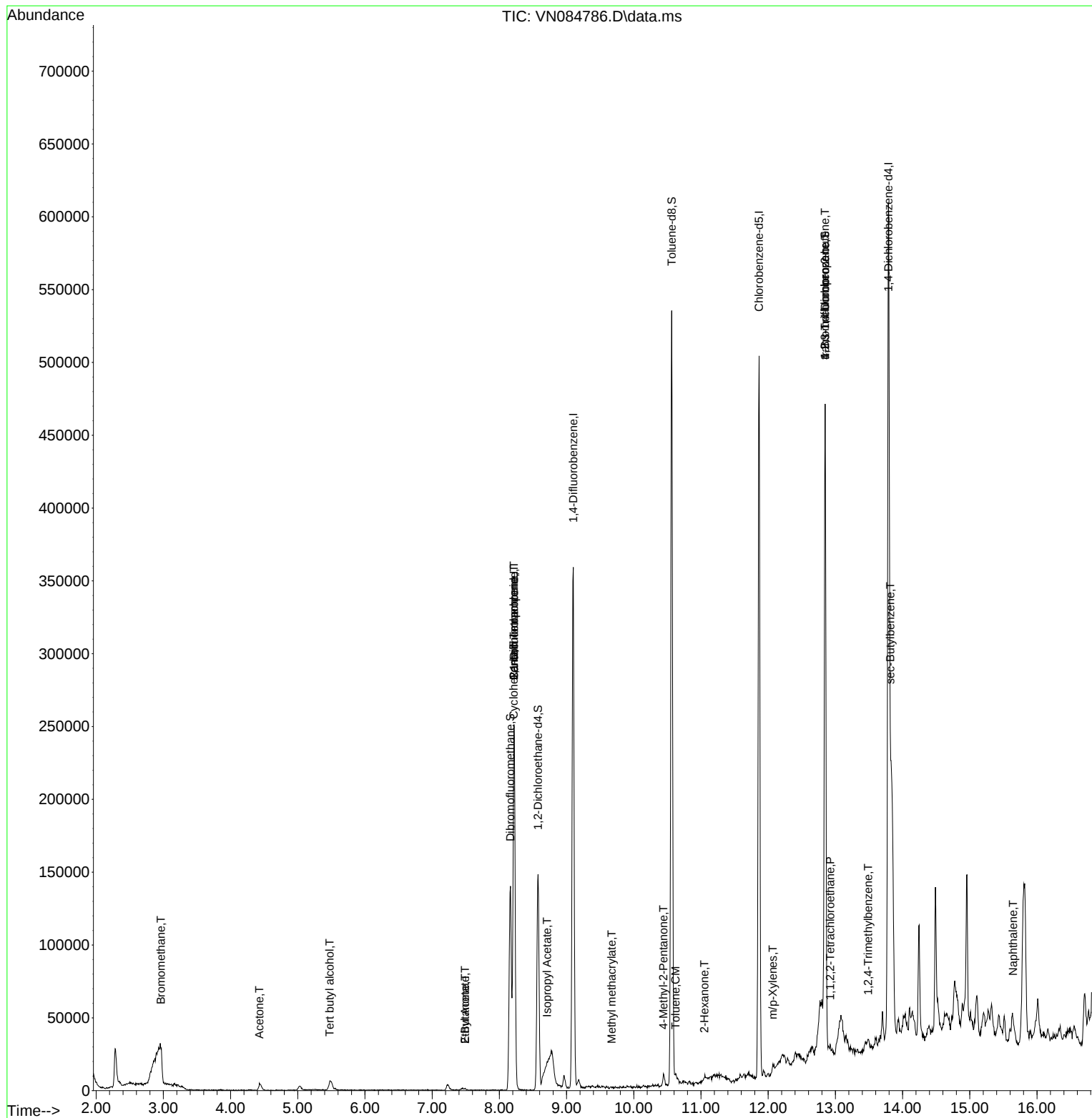
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.218          | 168  | 177812     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.100          | 114  | 306660     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.865         | 117  | 284676     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.788         | 152  | 145390     | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.577          | 65   | 123330     | 48.022    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 96.040%   |        |          |
| 35) Dibromofluoromethane      | 8.165          | 113  | 100459     | 48.397    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.800%   |        |          |
| 50) Toluene-d8                | 10.565         | 98   | 366110     | 47.881    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 95.760%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.847         | 95   | 154715     | 54.140    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = | 108.280%  |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.359          | 50   | 788        | Below Cal | #      | 41       |
| 5) Bromomethane               | 2.965          | 94   | 234        | 0.201     | ug/l # | 4        |
| 6) Chloroethane               | 3.118          | 64   | 213        | Below Cal | #      | 45       |
| 11) Tert butyl alcohol        | 5.477          | 59   | 2766       | 8.159     | ug/l # | 73       |
| 16) Acetone                   | 4.430          | 43   | 9165       | 9.611     | ug/l   | 96       |
| 18) Methyl Acetate            | 5.030          | 43   | 5734       | Below Cal |        | 99       |
| 25) 2-Butanone                | 7.489          | 43   | 2104       | 1.756     | ug/l   | 95       |
| 31) Cyclohexane               | 8.212          | 56   | 3598       | 1.015     | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 8.218          | 75   | 14634      | 5.083     | ug/l # | 44       |
| 37) Ethyl Acetate             | 7.489          | 43   | 2104       | 0.806     | ug/l # | 69       |
| 38) Carbon Tetrachloride      | 8.218          | 117  | 19547      | 6.075     | ug/l # | 16       |
| 43) Isopropyl Acetate         | 8.712          | 43   | 24832      | 4.263     | ug/l # | 56       |
| 48) Methyl methacrylate       | 9.671          | 41   | 653        | 0.321     | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.441         | 43   | 6640       | 2.667     | ug/l # | 79       |
| 52) Toluene                   | 10.624         | 92   | 1522       | 0.281     | ug/l # | 73       |
| 59) 2-Hexanone                | 11.053         | 43   | 1482       | 0.818     | ug/l   | 75       |
| 68) m/p-Xylenes               | 12.071         | 106  | 987        | 0.245     | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.923         | 83   | 819        | 0.241     | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 12.847         | 75   | 79448      | 27.337    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.847         | 75   | 79448      | 64.854    | ug/l # | 11       |
| 84) 1,2,4-Trimethylbenzene    | 13.488         | 105  | 2354       | 0.270     | ug/l   | 83       |
| 85) sec-Butylbenzene          | 13.818         | 105  | 4023       | 0.408     | ug/l   | 89       |
| 88) 1,4-Dichlorobenzene       | 13.800         | 146  | 492        | Below Cal | #      | 56       |
| 95) Naphthalene               | 15.647         | 128  | 2103       | 0.250     | ug/l # | 36       |
| -----                         |                |      |            |           |        |          |

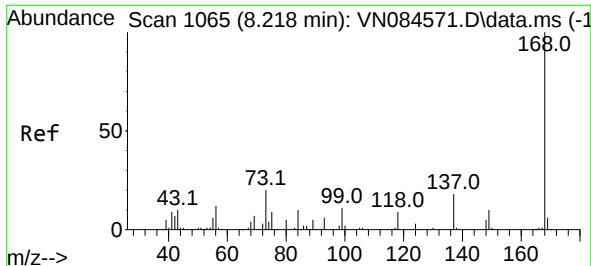
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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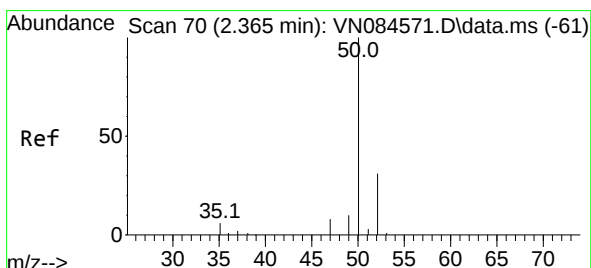
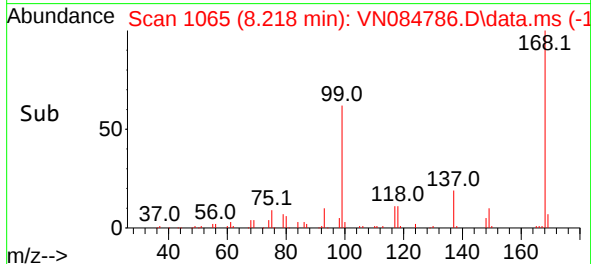
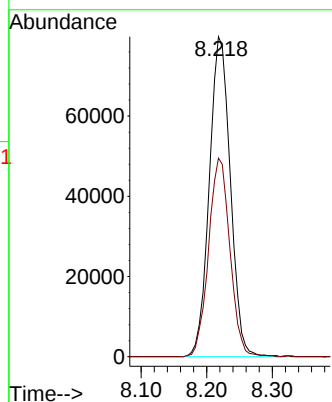
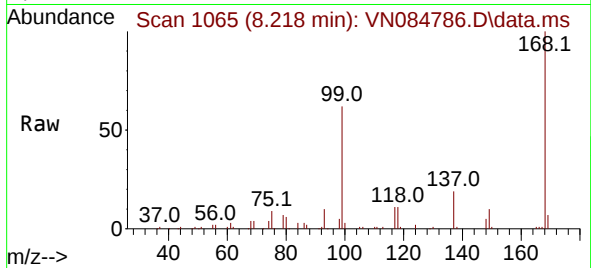




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.218 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

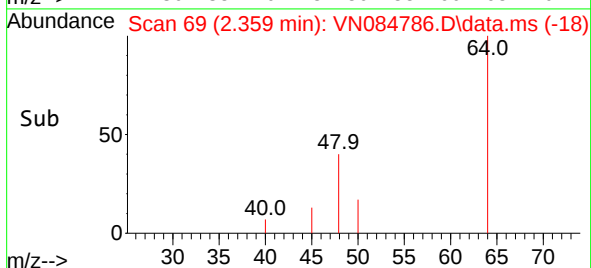
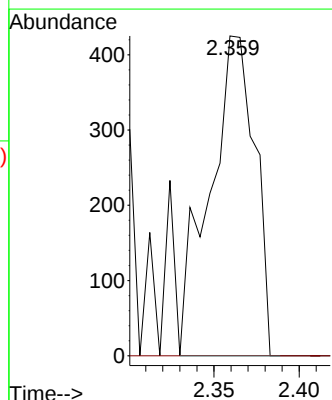
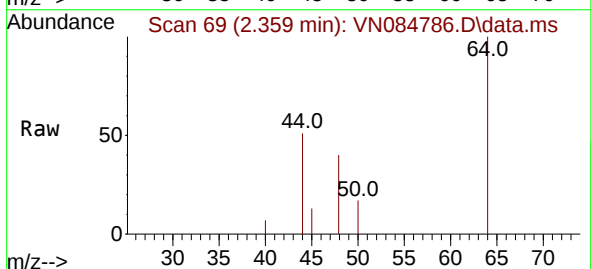
Instrument :  
MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

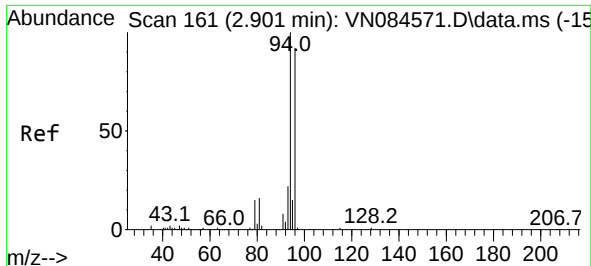
Tgt Ion:168 Resp: 177812  
Ion Ratio Lower Upper  
168 100  
99 62.1 54.2 81.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.359 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 50 Resp: 788  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.8 40.2#





#5

Bromomethane

Concen: 0.201 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

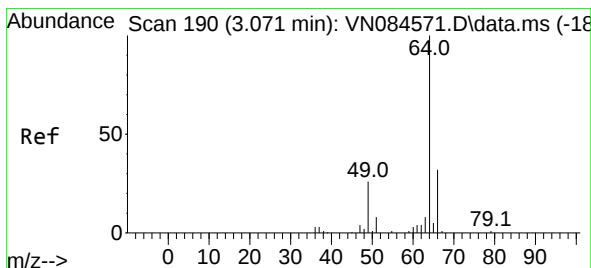
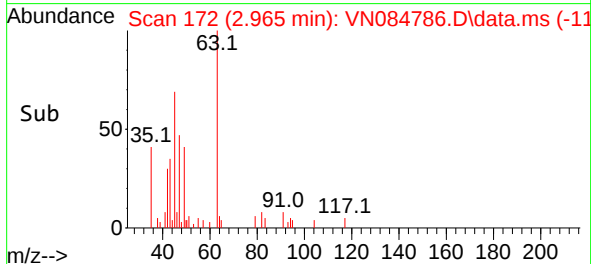
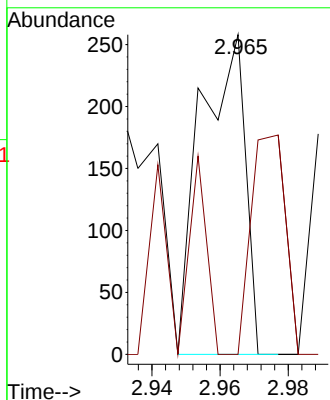
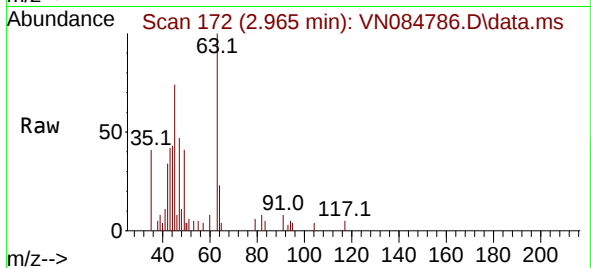
HINCHMAN-OILY-WATER

Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 0.0 72.9 109.3#



#6

Chloroethane

Concen: Below Cal

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN084786.D

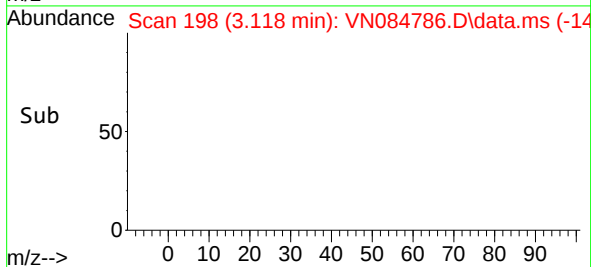
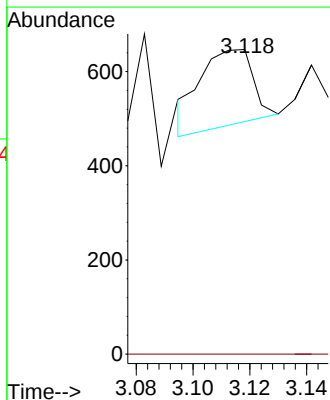
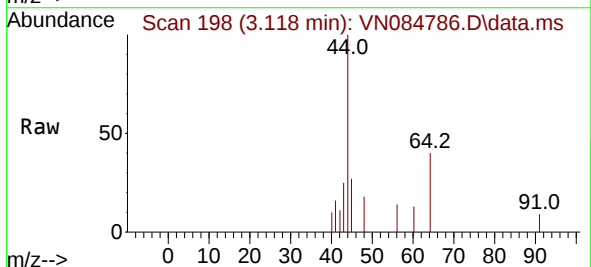
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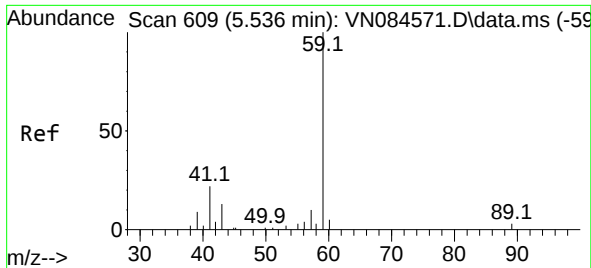
Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

64 100

66 0.0 23.5 35.3#

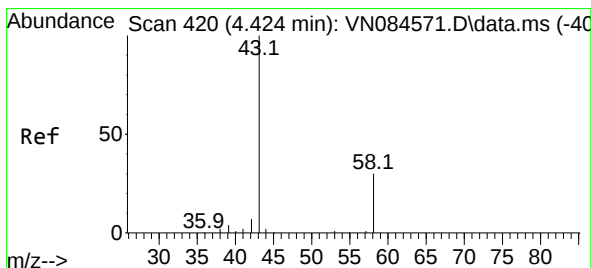
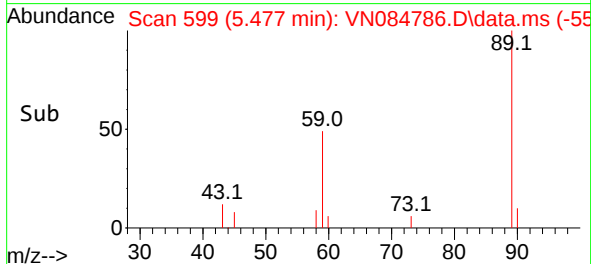
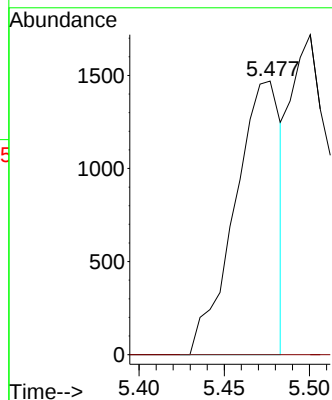
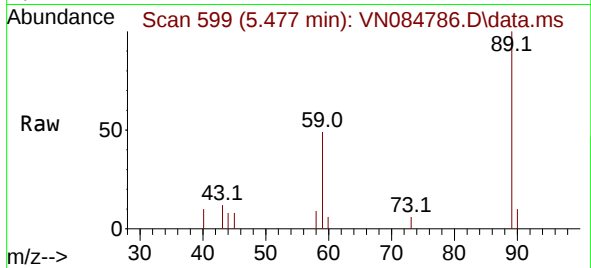




#11  
Tert butyl alcohol  
Concen: 8.159 ug/l  
RT: 5.477 min Scan# 59  
Delta R.T. -0.047 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

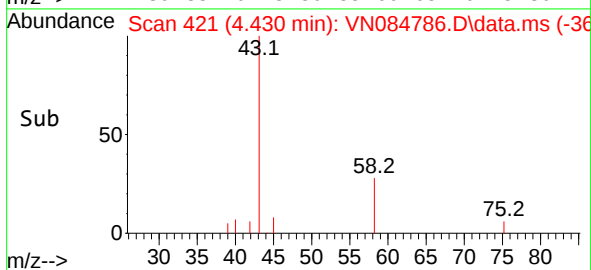
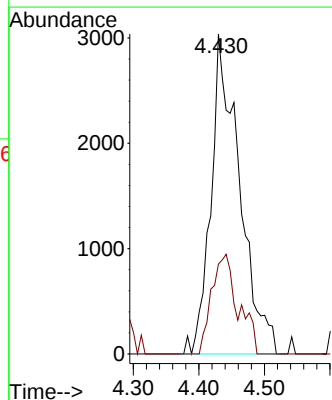
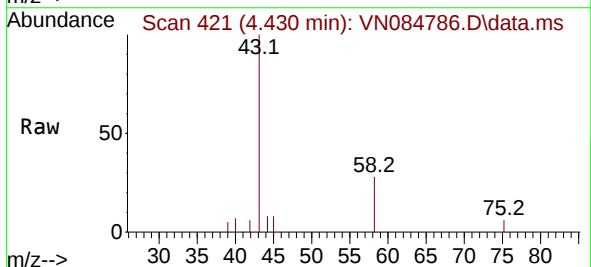
Instrument :  
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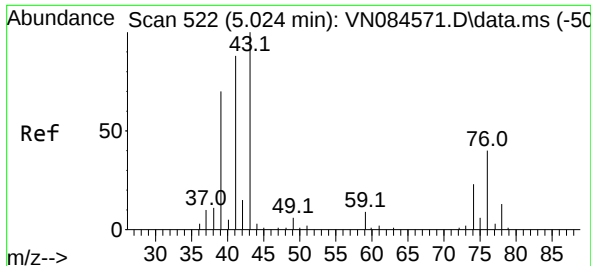
Tgt Ion: 59 Resp: 2766  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#



#16  
Acetone  
Concen: 9.611 ug/l  
RT: 4.430 min Scan# 421  
Delta R.T. 0.006 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 43 Resp: 9165  
Ion Ratio Lower Upper  
43 100  
58 28.1 24.4 36.6

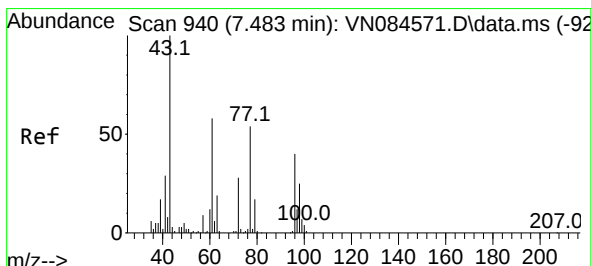
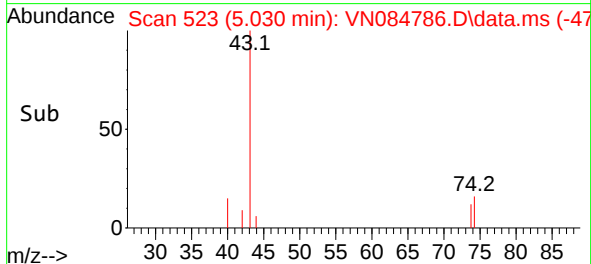
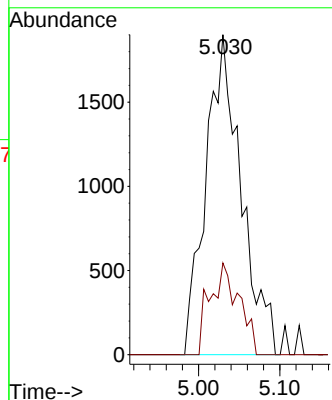
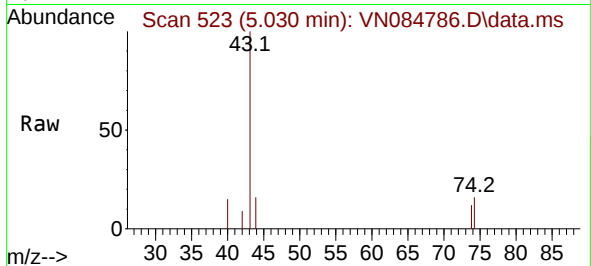




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 5.030 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

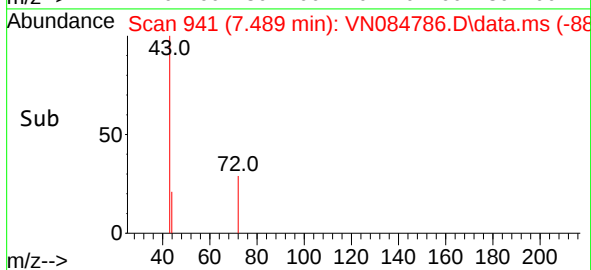
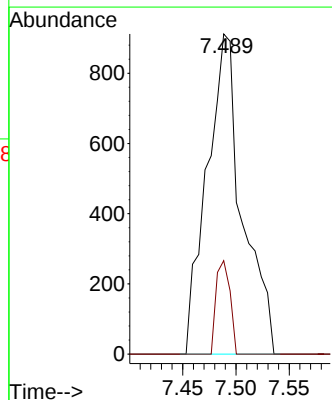
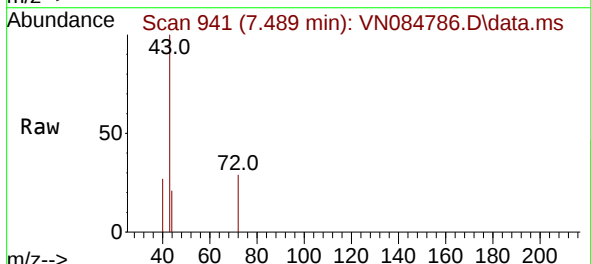
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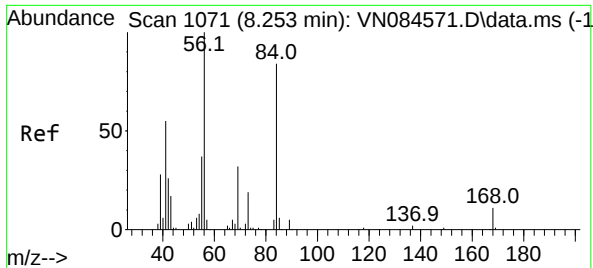
Tgt Ion: 43 Resp: 5734  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.2 28.8



#25  
2-Butanone  
Concen: 1.756 ug/l  
RT: 7.489 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 43 Resp: 2104  
Ion Ratio Lower Upper  
43 100  
72 29.2 21.4 32.2

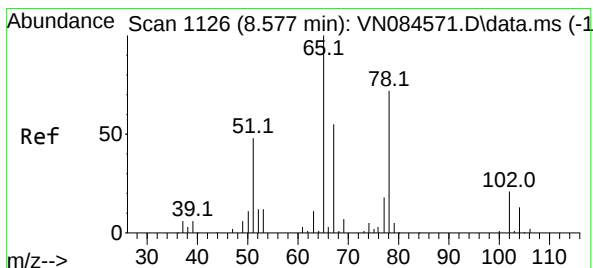
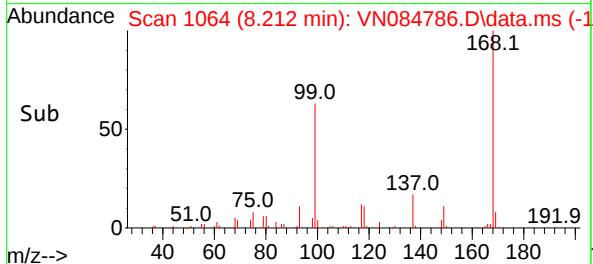
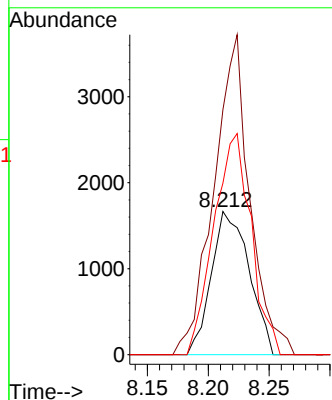
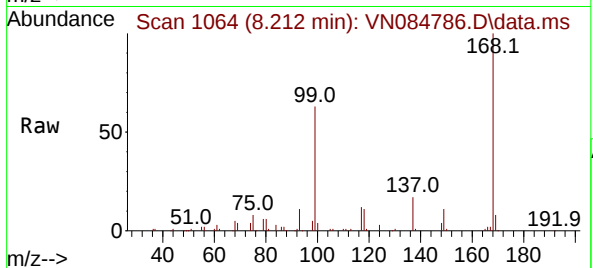




#31  
Cyclohexane  
Concen: 1.015 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. -0.041 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

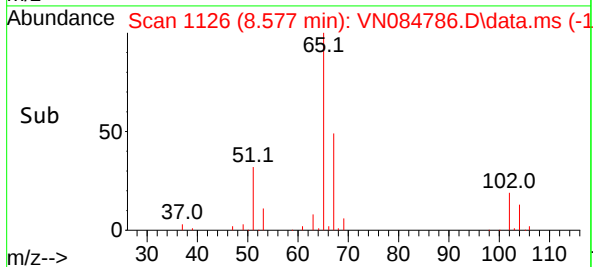
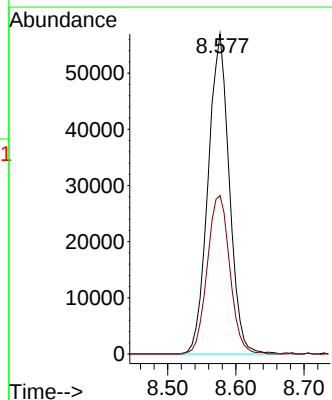
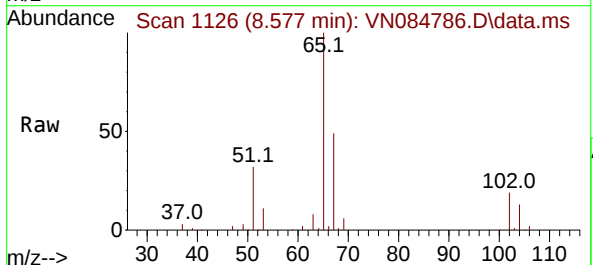
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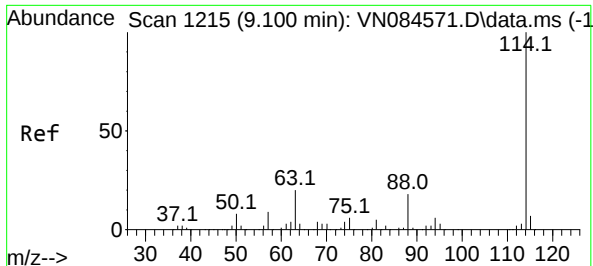
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Ion Ratio Lower Upper  
56 100  
69 161.8 23.8 35.6#  
84 119.7 68.8 103.2#



#33  
1,2-Dichloroethane-d4  
Concen: 48.022 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 65 Resp: 123330  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 102.0

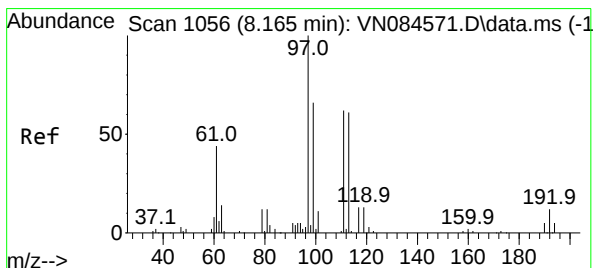
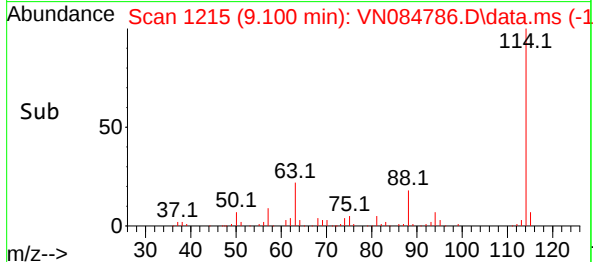
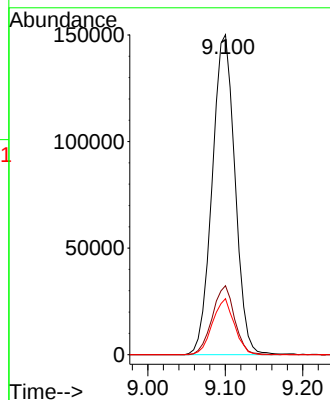
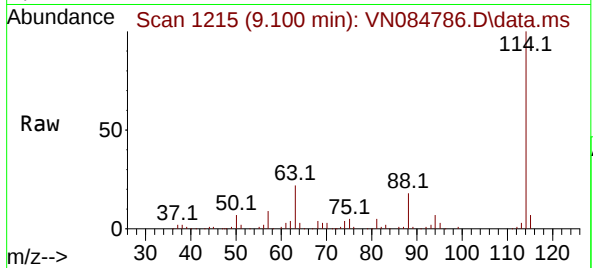




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

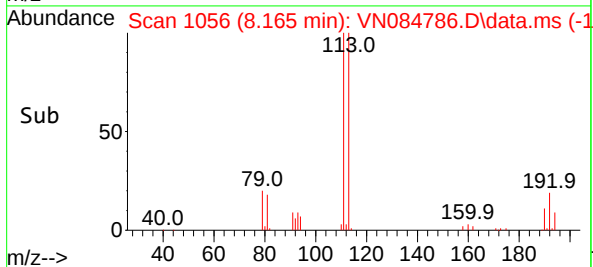
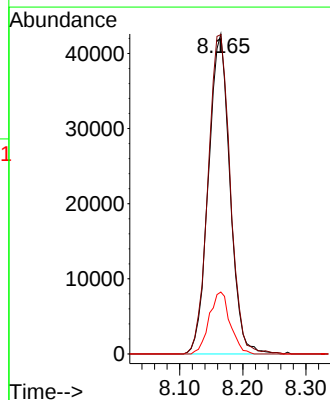
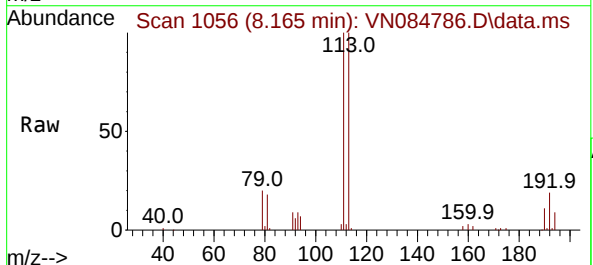
Instrument :  
MSVOA\_N  
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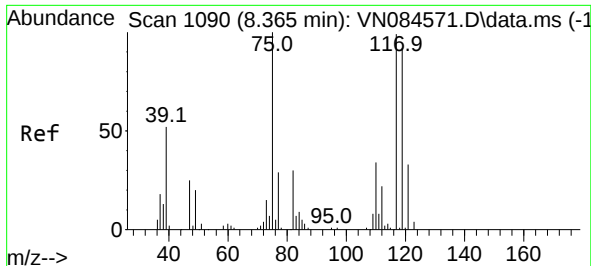
Tgt Ion:114 Resp: 306660  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 43.8  
88 17.5 0.0 31.6



#35  
Dibromofluoromethane  
Concen: 48.397 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion:113 Resp: 100459  
Ion Ratio Lower Upper  
113 100  
111 103.0 83.3 124.9  
192 18.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

HINCHMAN-OILY-WATER

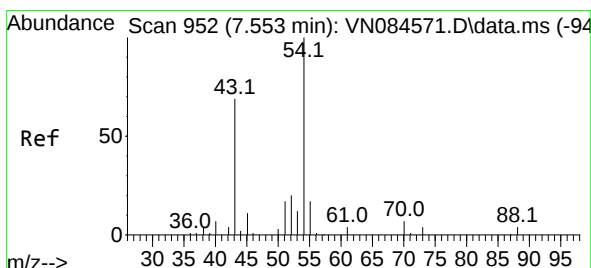
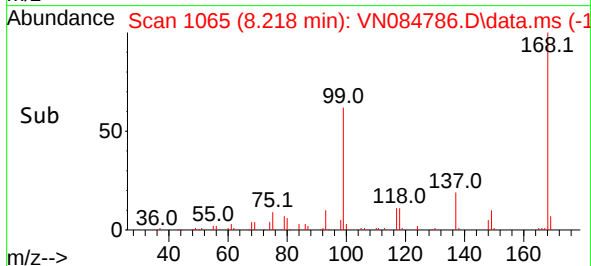
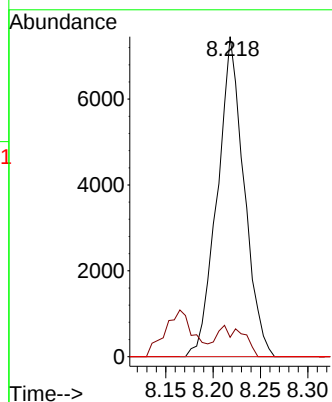
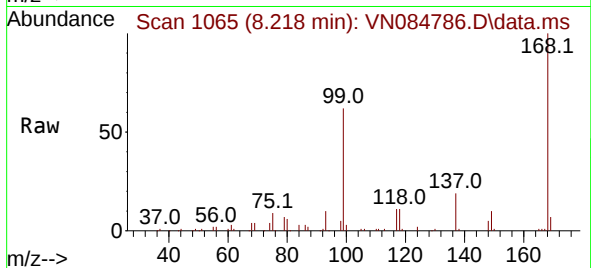
Tgt Ion: 75 Resp: 14634

Ion Ratio Lower Upper

75 100

110 2.3 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.806 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

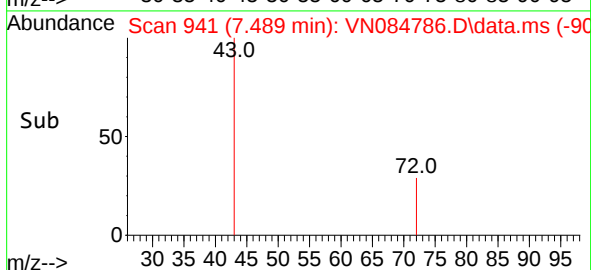
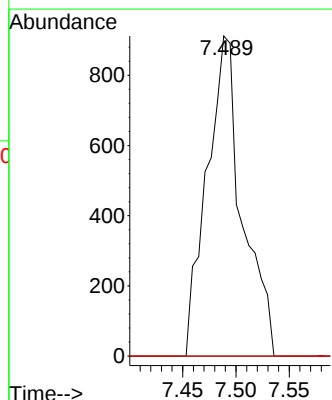
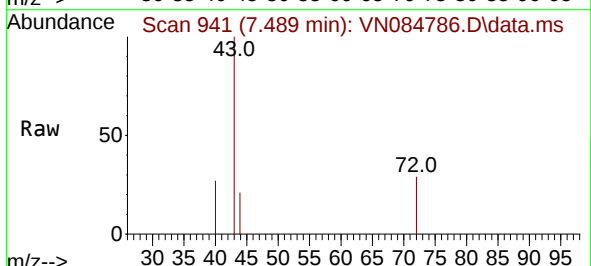
Tgt Ion: 43 Resp: 2104

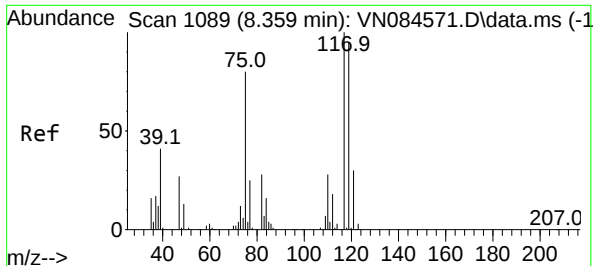
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.8 13.2#

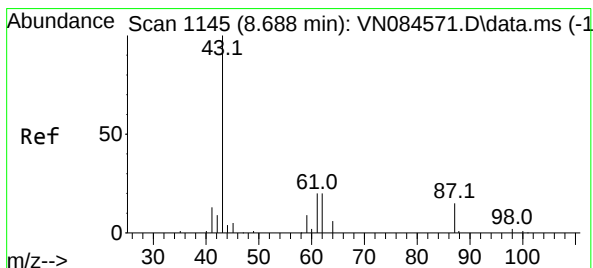
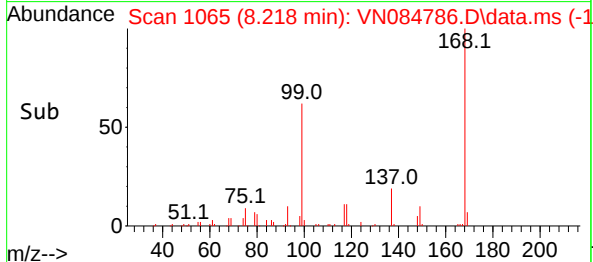
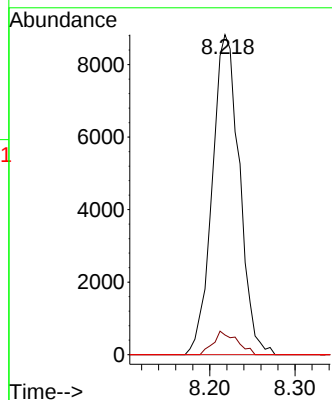
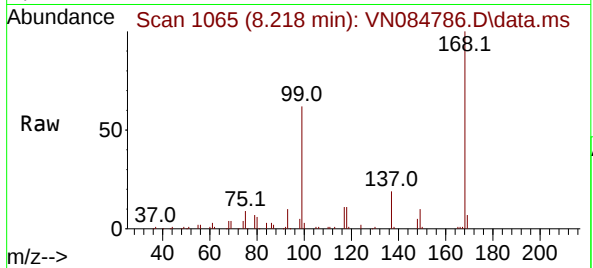




#38  
Carbon Tetrachloride  
Concen: 6.075 ug/l  
RT: 8.218 min Scan# 1105  
Delta R.T. -0.141 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

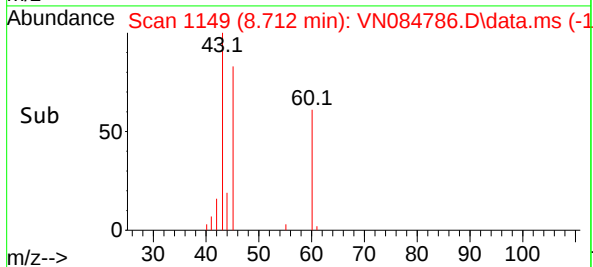
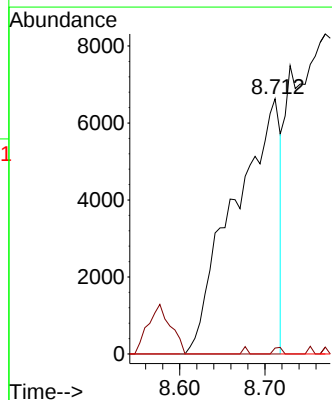
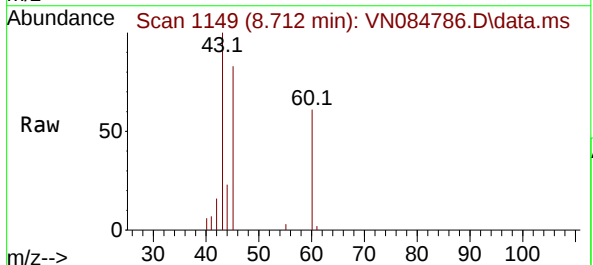
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MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

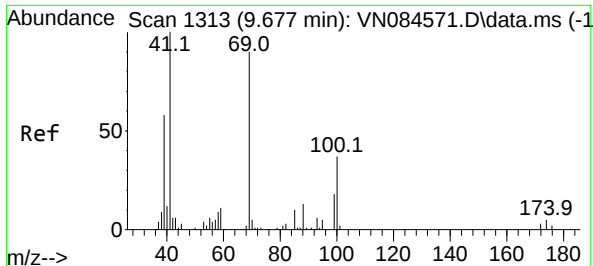
Tgt Ion:117 Resp: 19547  
Ion Ratio Lower Upper  
117 100  
119 6.1 78.7 118.1#  
121 0.0 24.4 36.6#



#43  
Isopropyl Acetate  
Concen: 4.263 ug/l  
RT: 8.712 min Scan# 1149  
Delta R.T. 0.024 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 43 Resp: 24832  
Ion Ratio Lower Upper  
43 100  
61 0.5 20.4 30.6#  
87 0.0 10.3 15.5#





#48

Methyl methacrylate

Concen: 0.321 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

HINCHMAN-OILY-WATER

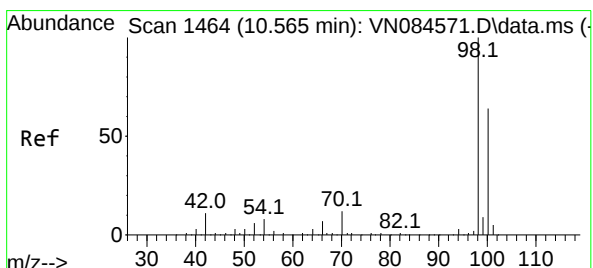
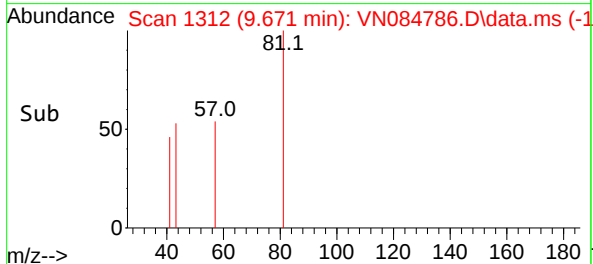
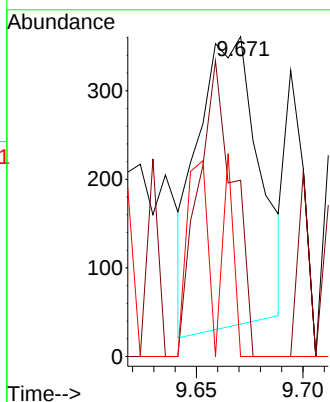
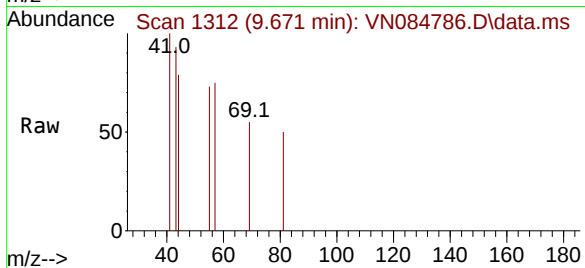
Tgt Ion: 41 Resp: 653

Ion Ratio Lower Upper

41 100

69 59.4 67.1 100.7#

39 35.7 45.8 68.6#



#50

Toluene-d8

Concen: 47.881 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084786.D

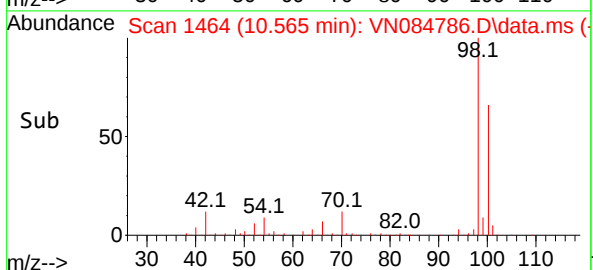
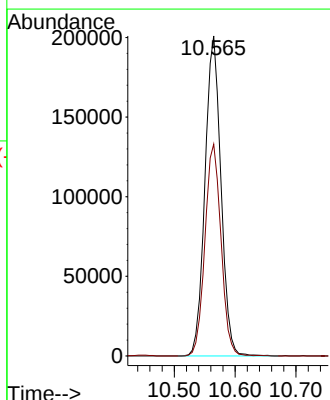
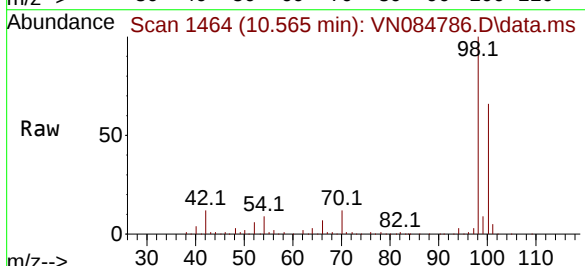
Acq: 11 Nov 2024 20:54

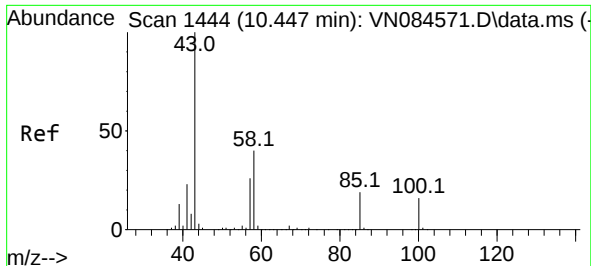
Tgt Ion: 98 Resp: 366110

Ion Ratio Lower Upper

98 100

100 66.6 52.7 79.1

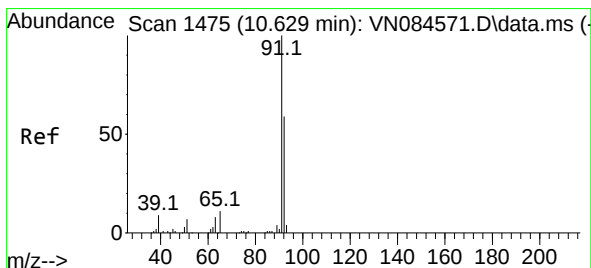
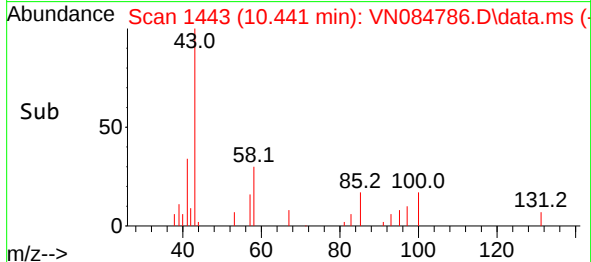
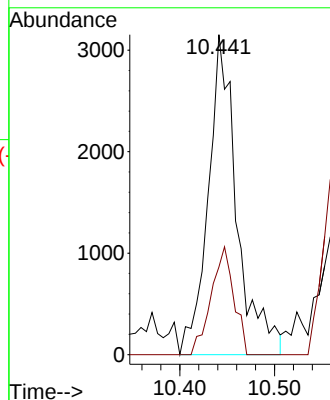
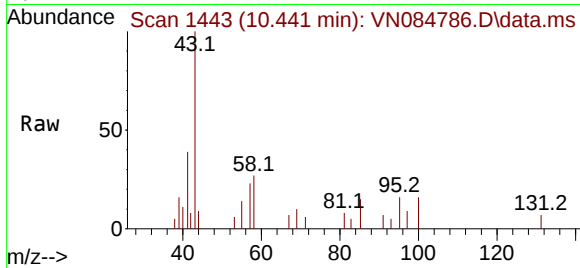




#51  
4-Methyl-2-Pentanone  
Concen: 2.667 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

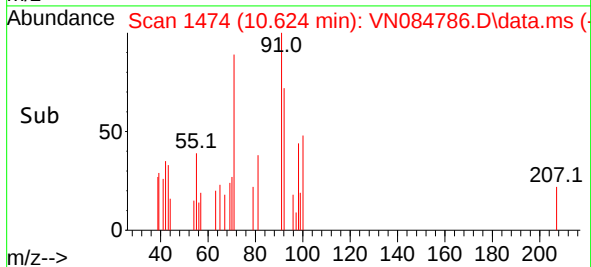
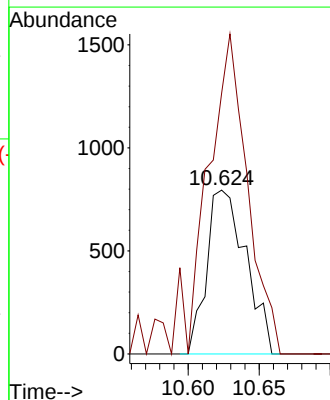
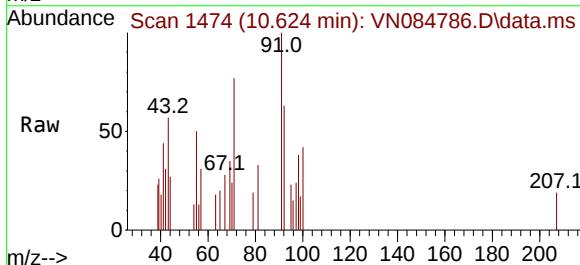
Instrument :  
MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

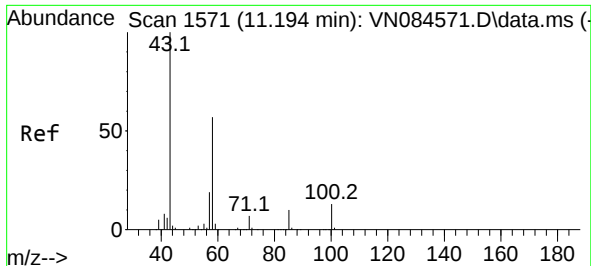
Tgt Ion: 43 Resp: 6640  
Ion Ratio Lower Upper  
43 100  
58 26.6 31.6 47.4#



#52  
Toluene  
Concen: 0.281 ug/l  
RT: 10.624 min Scan# 1474  
Delta R.T. -0.006 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 92 Resp: 1522  
Ion Ratio Lower Upper  
92 100  
91 208.1 137.3 205.9#

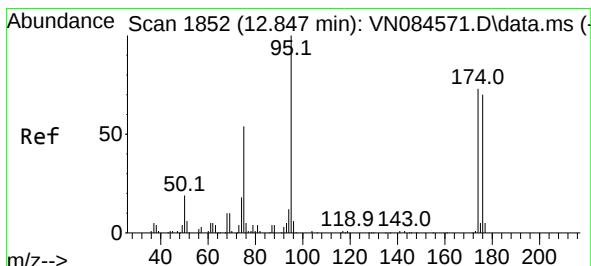
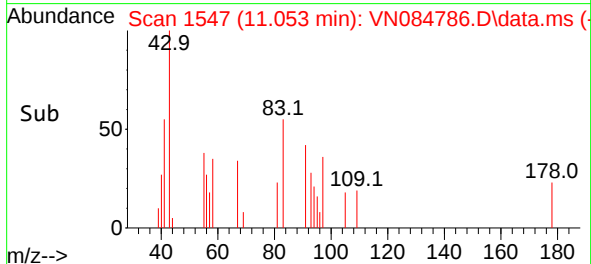
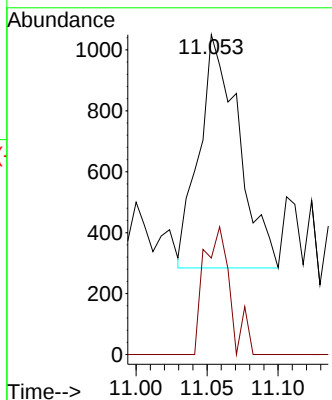
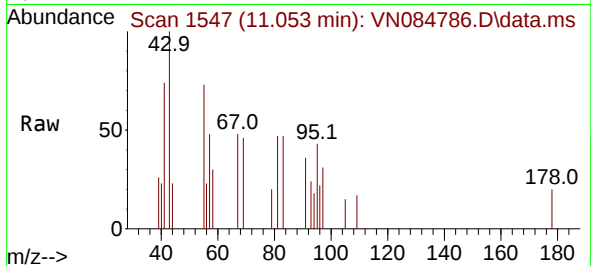




#59  
2-Hexanone  
Concen: 0.818 ug/l  
RT: 11.053 min Scan# 11  
Delta R.T. -0.141 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

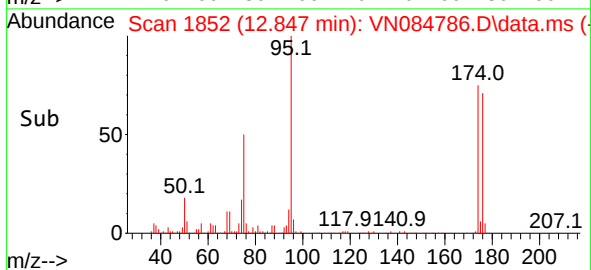
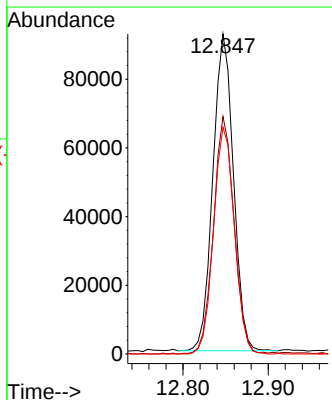
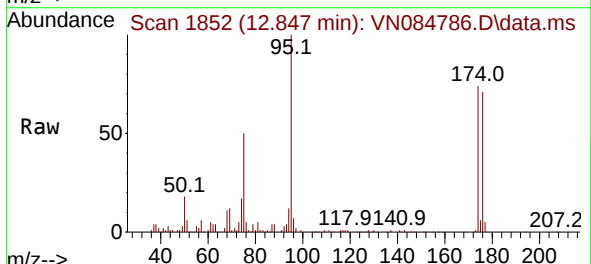
Instrument :  
MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

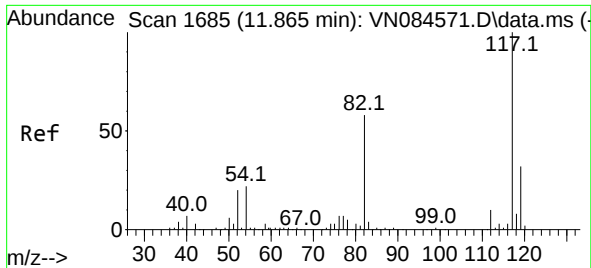
Tgt Ion: 43 Resp: 1482  
Ion Ratio Lower Upper  
43 100  
58 36.2 27.3 81.8



#62  
4-Bromofluorobenzene  
Concen: 54.140 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 95 Resp: 154715  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 145.2  
176 72.9 0.0 140.0

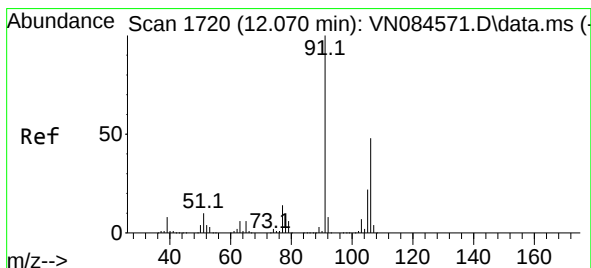
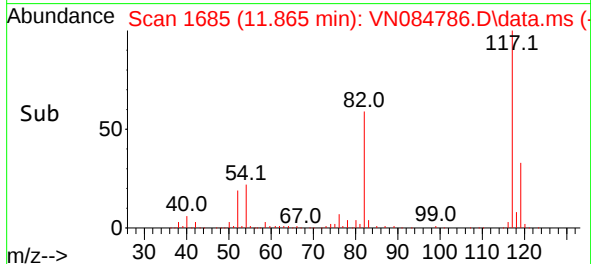
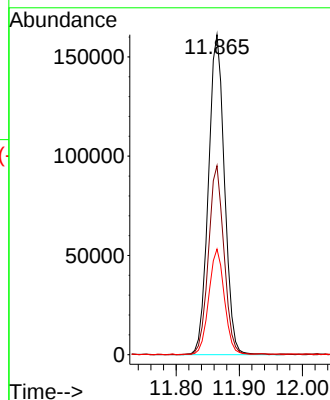
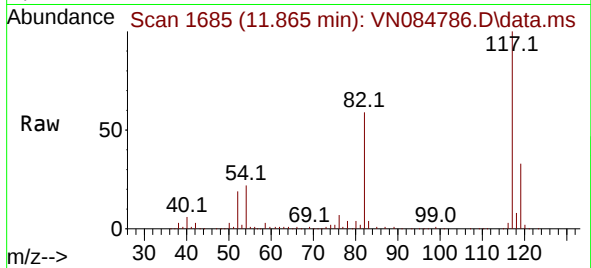




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

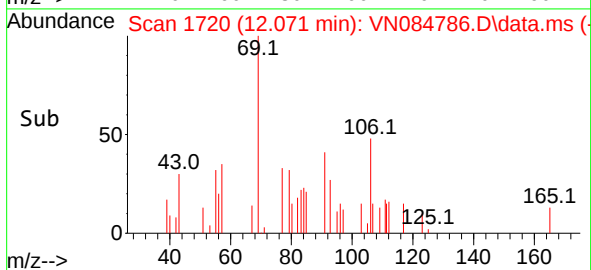
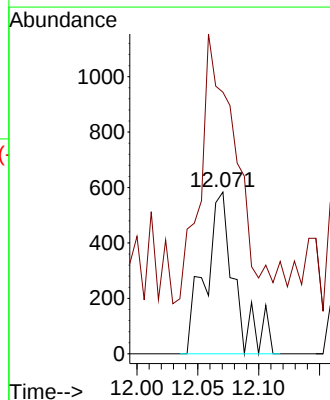
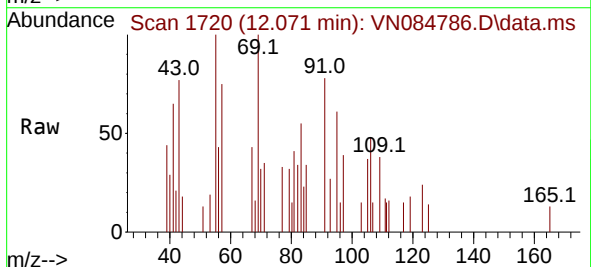
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MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

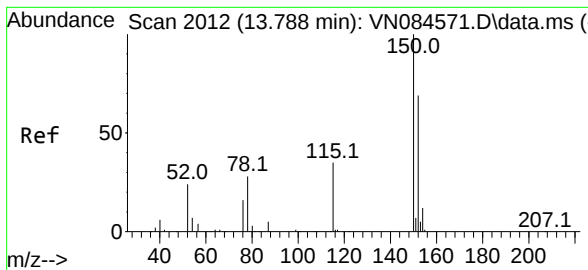
Tgt Ion:117 Resp: 284676  
Ion Ratio Lower Upper  
117 100  
82 59.0 47.2 70.8  
119 32.9 25.4 38.0



#68  
m/p-Xylenes  
Concen: 0.245 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion:106 Resp: 987  
Ion Ratio Lower Upper  
106 100  
91 192.3 167.1 250.7

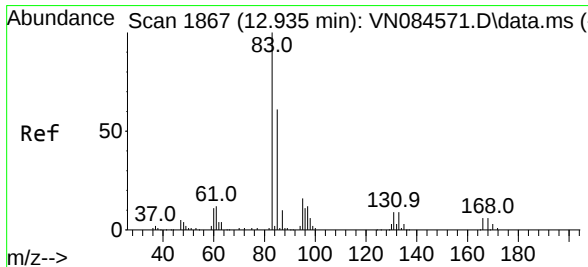
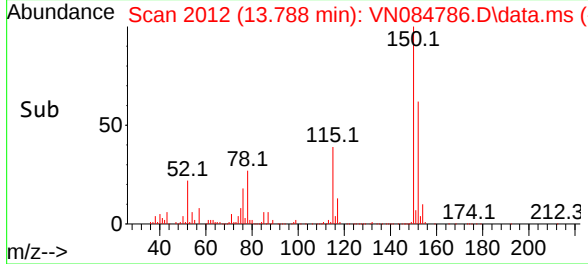
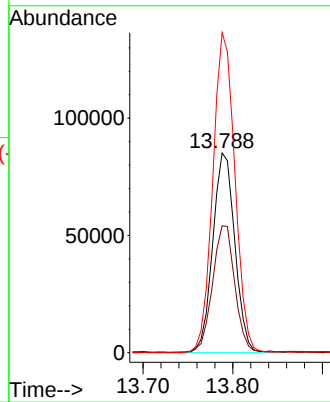
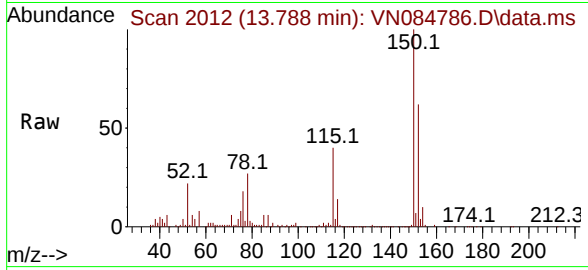




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 2012  
 Delta R.T. 0.000 min  
 Lab File: VN084786.D  
 Acq: 11 Nov 2024 20:54

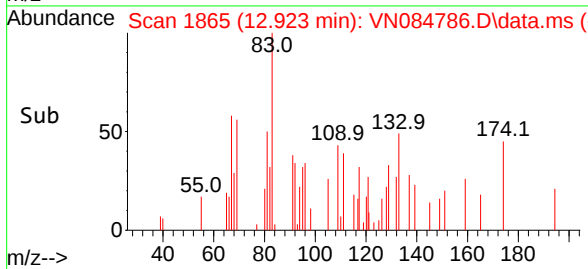
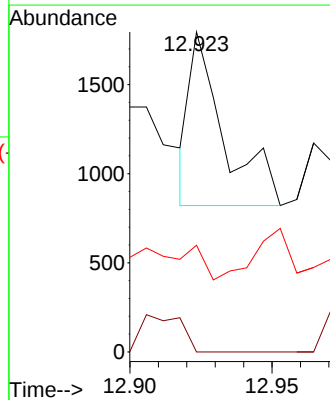
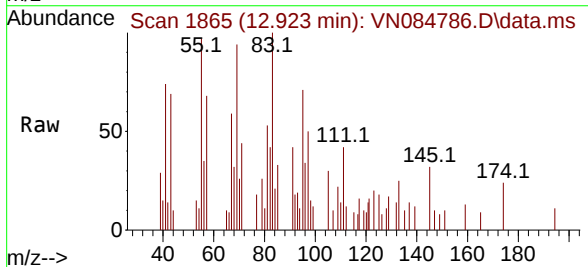
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 HINCHMAN-OILY-WATER

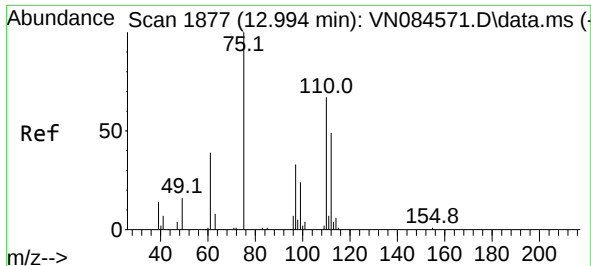
Tgt Ion:152 Resp: 145390  
 Ion Ratio Lower Upper  
 152 100  
 115 63.9 31.3 93.9  
 150 160.3 0.0 349.8



#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.241 ug/l  
 RT: 12.923 min Scan# 1865  
 Delta R.T. -0.012 min  
 Lab File: VN084786.D  
 Acq: 11 Nov 2024 20:54

Tgt Ion: 83 Resp: 819  
 Ion Ratio Lower Upper  
 83 100  
 131 0.0 4.9 14.7#  
 85 0.0 31.9 95.7#

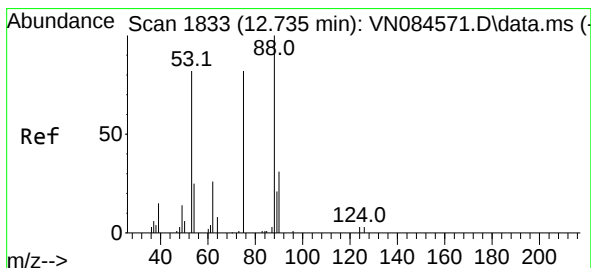
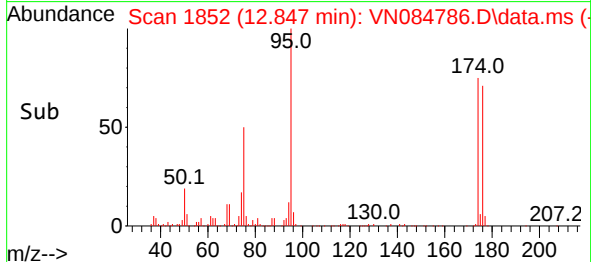
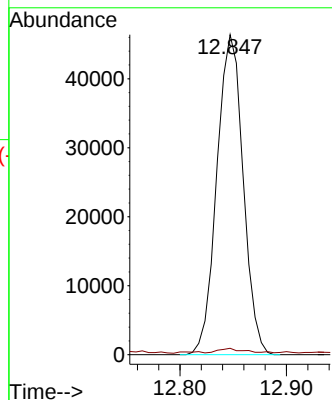
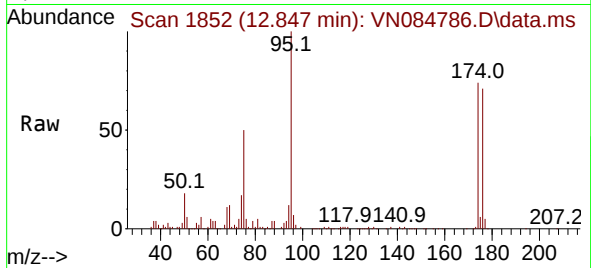




#76  
1,2,3-Trichloropropane  
Concen: 27.337 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.141 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

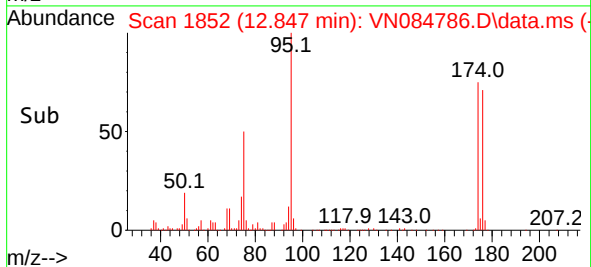
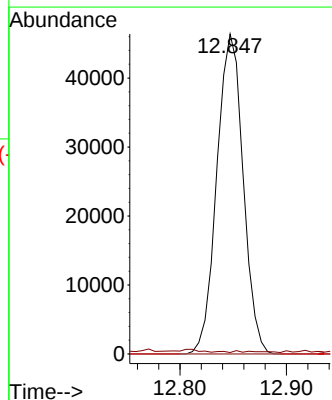
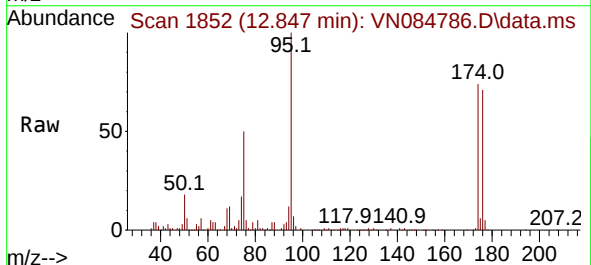
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MSVOA\_N  
ClientSampleId :  
HINCHMAN-OILY-WATER

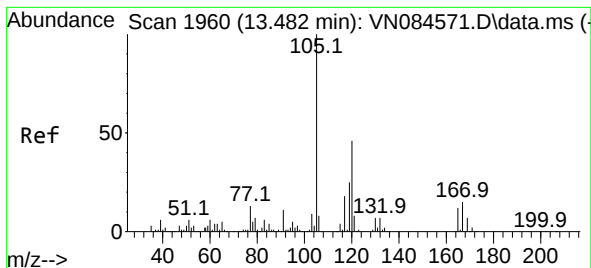
Tgt Ion: 75 Resp: 79448  
Ion Ratio Lower Upper  
75 100  
77 1.3 96.9 290.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.854 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.112 min  
Lab File: VN084786.D  
Acq: 11 Nov 2024 20:54

Tgt Ion: 75 Resp: 79448  
Ion Ratio Lower Upper  
75 100  
53 0.5 78.0 117.0#  
89 0.0 35.5 53.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.270 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

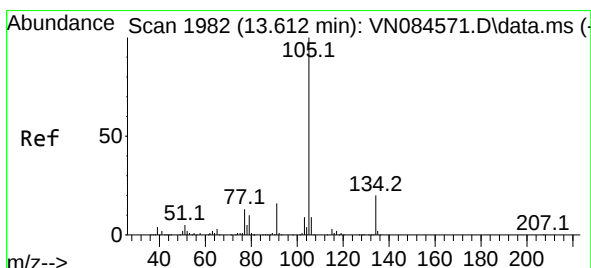
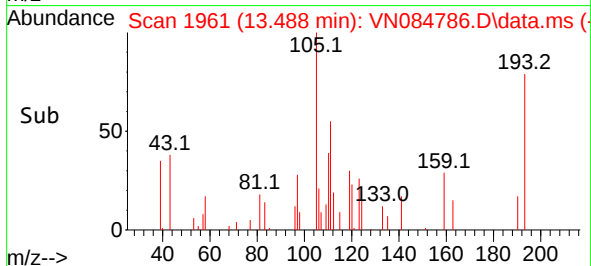
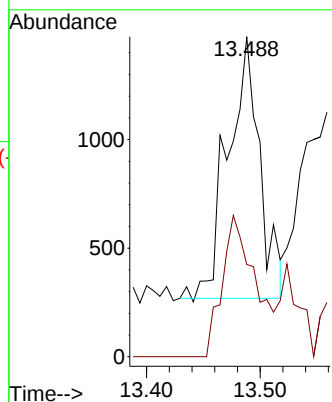
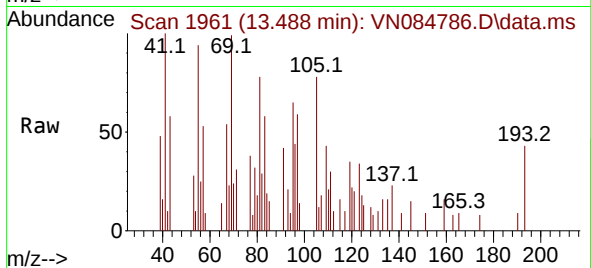
HINCHMAN-OILY-WATER

Tgt Ion:105 Resp: 2354

Ion Ratio Lower Upper

105 100

120 55.7 22.3 66.8



#85

sec-Butylbenzene

Concen: 0.408 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.200 min

Lab File: VN084786.D

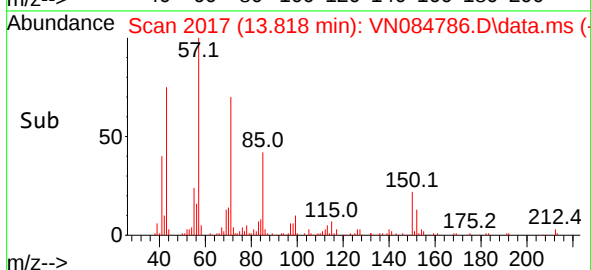
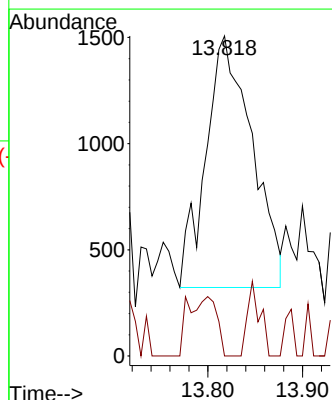
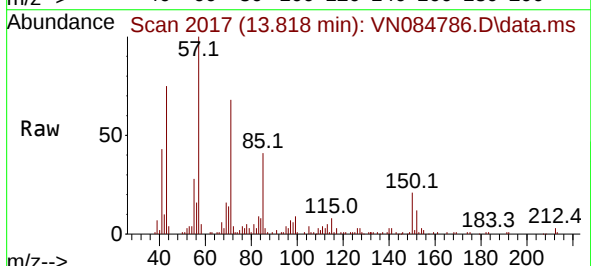
Acq: 11 Nov 2024 20:54

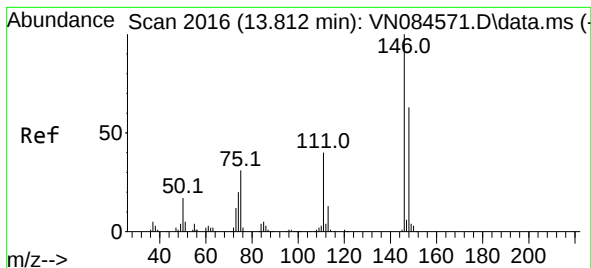
Tgt Ion:105 Resp: 4023

Ion Ratio Lower Upper

105 100

134 14.5 9.8 29.4





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.800 min Scan# 2016

Delta R.T. -0.012 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Instrument :

MSVOA\_N

ClientSampleId :

HINCHMAN-OILY-WATER

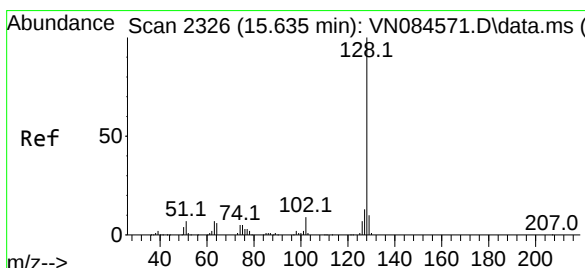
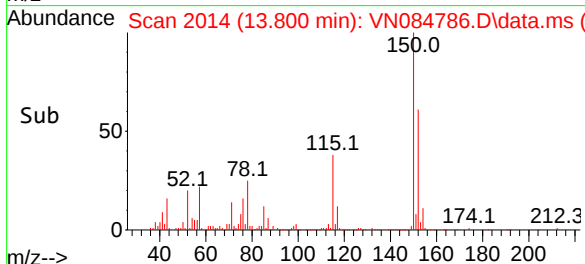
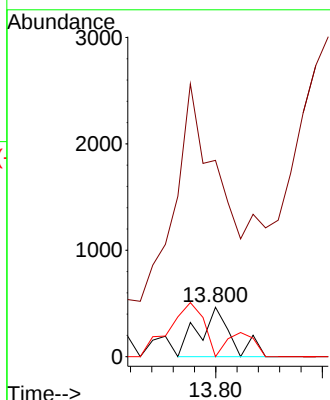
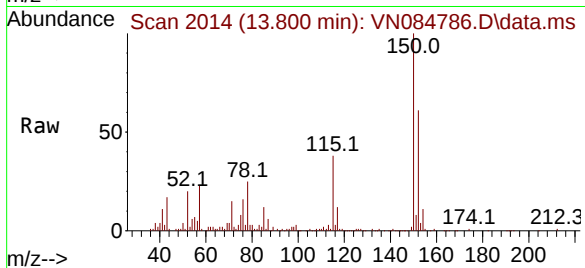
Tgt Ion:146 Resp: 492

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 40.9 31.9 95.9



#95

Naphthalene

Concen: 0.250 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.012 min

Lab File: VN084786.D

Acq: 11 Nov 2024 20:54

Tgt Ion:128 Resp: 2103

Ion Ratio Lower Upper

128 100

127 41.7 10.5 15.7#

129 31.7 8.7 13.1#

