

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN121421\  
 Data File : VN070089.D  
 Acq On : 14 Dec 2021 23:30  
 Operator : JC/MD  
 Sample : VN1214MBL02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 15 05:25:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 8.086          | 168  | 1077382             | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.968          | 114  | 2058082             | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.744         | 117  | 2373001             | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.675         | 152  | 954524              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.437          | 65   | 865834              | 52.050 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 104.100% |        |        |          |
| 35) Dibromofluoromethane      | 8.024          | 113  | 595395              | 46.185 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 92.380%  |        |        |          |
| 50) Toluene-d8                | 10.440         | 98   | 2743355             | 52.998 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 106.000% |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.731         | 95   | 1162317             | 61.981 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 123.960% |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 2.306          | 50   | 3893                | 0.247  | ug/l   | 98       |
| 10) Methyl Iodide             | 4.438          | 142  | 3063                | 0.211  | ug/l # | 40       |
| 13) Acrolein                  | 4.033          | 56   | 1018                | 0.380  | ug/l # | 1        |
| 15) Acrylonitrile             | 5.565          | 53   | 5336                | 0.630  | ug/l # | 70       |
| 16) Acetone                   | 4.291          | 43   | 10947               | 1.094  | ug/l # | 85       |
| 18) Methyl Acetate            | 4.865          | 43   | 14607               | 0.484  | ug/l # | 73       |
| 25) 2-Butanone                | 7.348          | 43   | 7107                | 0.523  | ug/l # | 78       |
| 29) Tetrahydrofuran           | 7.699          | 42   | 2150                | 0.260  | ug/l # | 56       |
| 31) Cyclohexane               | 8.086          | 56   | 28363               | 1.225  | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 8.086          | 75   | 90878               | 4.638  | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 8.086          | 117  | 109756              | 5.713  | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.595          | 43   | 9389                | 0.218  | ug/l # | 55       |
| 49) 1,4-Dioxane               | 9.572          | 88   | 924                 | 2.557  | ug/l # | 66       |
| 51) 4-Methyl-2-Pentanone      | 10.331         | 43   | 15331               | 0.548  | ug/l   | 88       |
| 53) t-1,3-Dichloropropene     | 10.727         | 75   | 1430                | 2.850  | ug/l # | 80       |
| 54) cis-1,3-Dichloropropene   | 10.188         | 75   | 1043                | 2.038  | ug/l # | 52       |
| 56) Ethyl methacrylate        | 10.765         | 69   | 3007                | 2.382  | ug/l # | 60       |
| 58) 2-Chloroethyl Vinyl ether | 10.041         | 63   | 555                 | 18.457 | ug/l # | 45       |
| 59) 2-Hexanone                | 11.090         | 43   | 32440               | 1.532  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.240         | 129  | 708                 | 2.419  | ug/l   | 69       |
| 71) Bromoform                 | 12.460         | 173  | 481                 | 2.762  | ug/l # | 29       |
| 74) N-amyl acetate            | 12.393         | 43   | 17305               | 0.461  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.731         | 75   | 640060              | 23.382 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.731         | 75   | 640060              | 74.373 | ug/l # | 5        |
| 82) 4-Chlorotoluene           | 13.106         | 91   | 14596               | 0.260  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene       | 13.613         | 146  | 10629               | 0.324  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.613         | 146  | 10629               | 0.330  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.940         | 91   | 25408               | 0.488  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.994         | 146  | 11860               | 0.371  | ug/l   | 89       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.603         | 75   | 2661                | 0.501  | ug/l   | 66       |
| 93) 1,2,4-Trichlorobenzene    | 15.265         | 180  | 18263               | 3.977  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.370         | 225  | 2629                | 0.311  | ug/l   | 94       |
| 95) Naphthalene               | 15.507         | 128  | 79047               | 5.545  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.697         | 180  | 22721               | 3.852  | ug/l   | 97       |
| -----                         |                |      |                     |        |        |          |

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Sample : VN1214MBL02  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

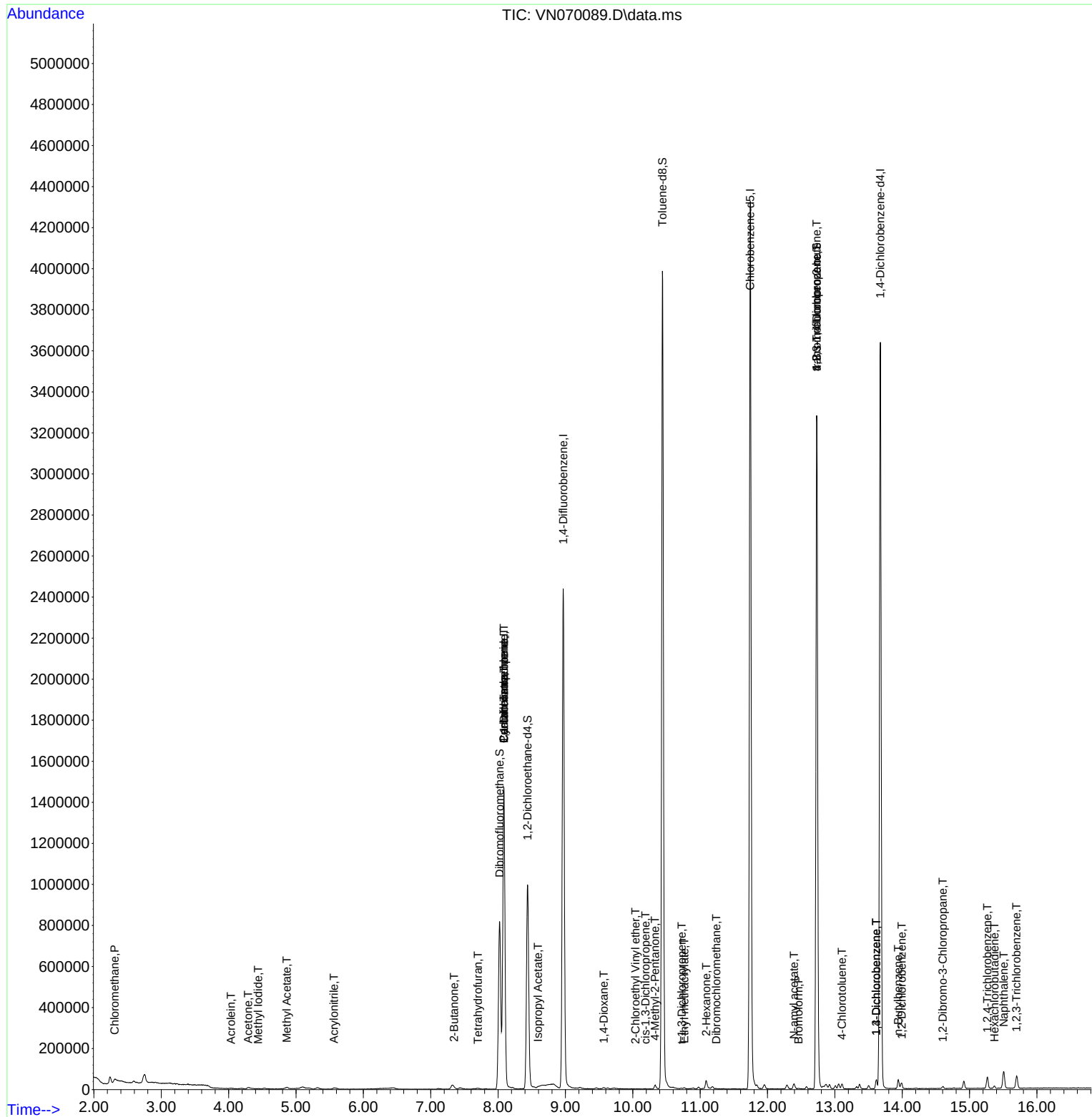
Quant Time: Dec 15 05:25:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

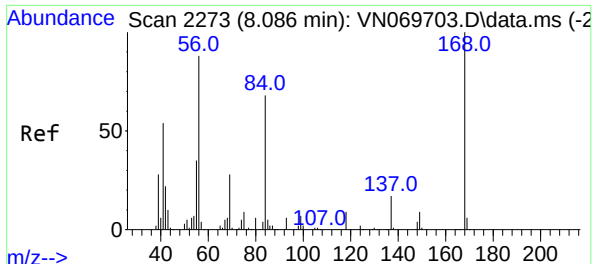
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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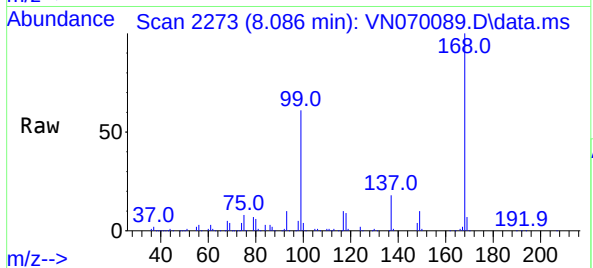
Quant Time: Dec 15 05:25:41 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
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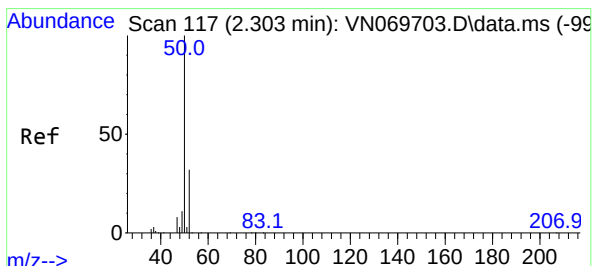
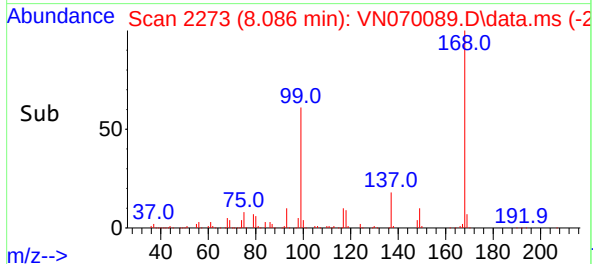
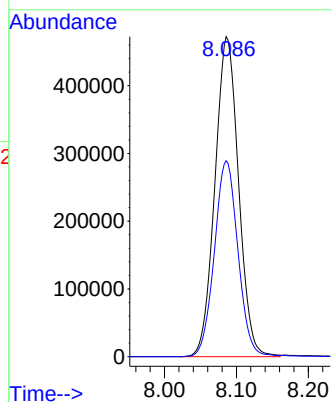


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

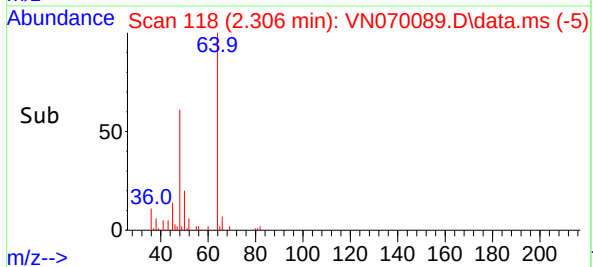
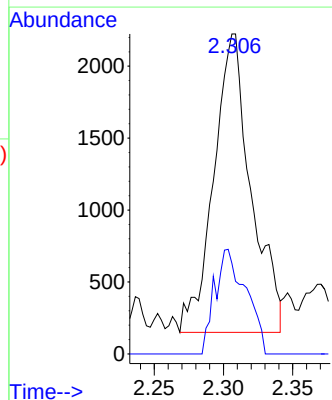
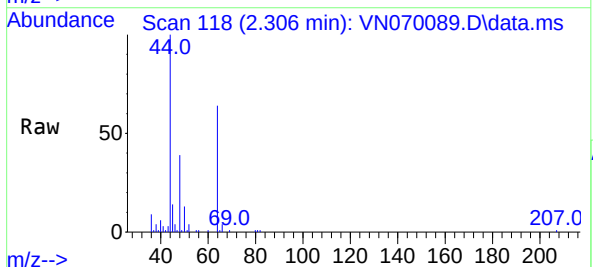


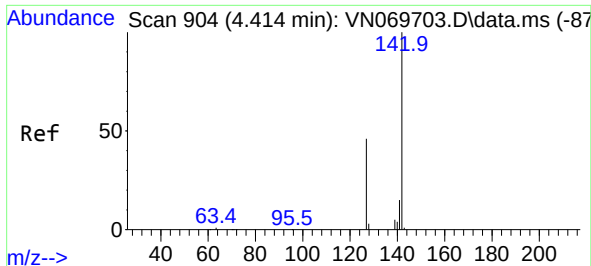
Tgt Ion:168 Resp: 1077382  
Ion Ratio Lower Upper  
168 100  
99 61.3 41.3 61.9



#3  
Chloromethane  
Concen: 0.247 ug/l  
RT: 2.306 min Scan# 118  
Delta R.T. 0.003 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 50 Resp: 3893  
Ion Ratio Lower Upper  
50 100  
52 30.4 25.4 38.0





#10

Methyl Iodide

Concen: 0.211 ug/l

RT: 4.438 min Scan# 913

Delta R.T. 0.024 min

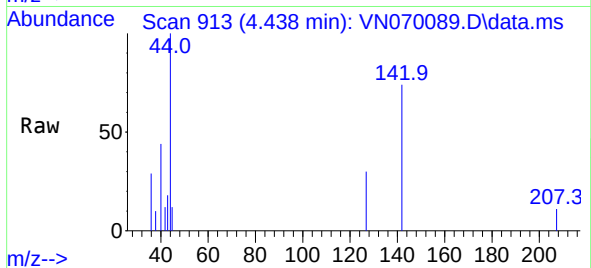
Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

Instrument :

MSVOA\_N

ClientSampleId :



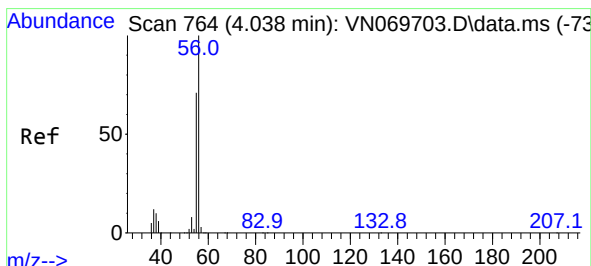
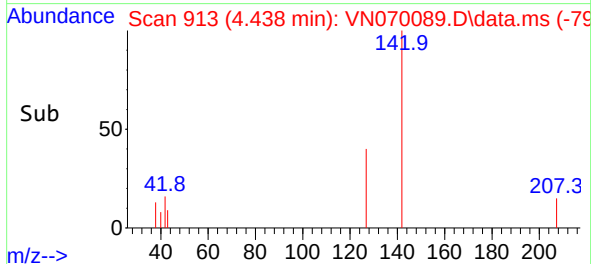
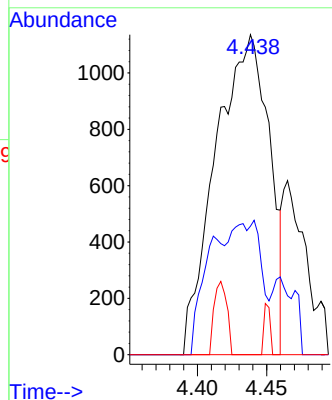
Tgt Ion:142 Resp: 3063

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.0#

141 0.0 11.6 17.4#



#13

Acrolein

Concen: 0.380 ug/l

RT: 4.033 min Scan# 762

Delta R.T. -0.005 min

Lab File: VN070089.D

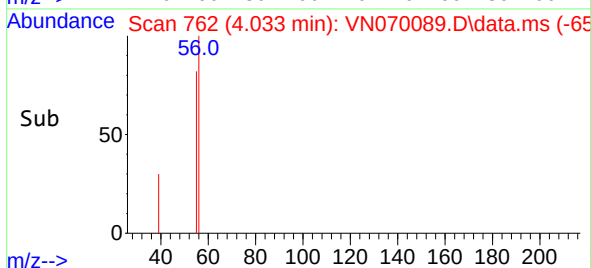
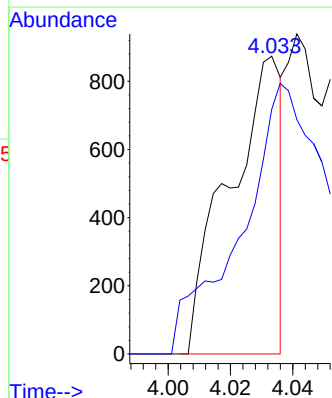
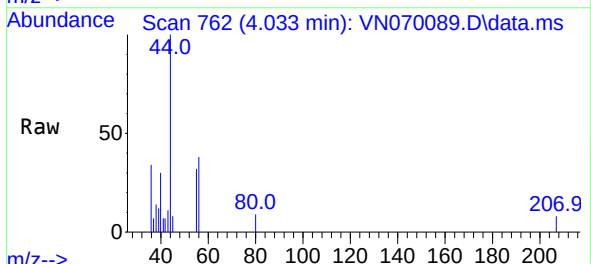
Acq: 14 Dec 2021 23:30

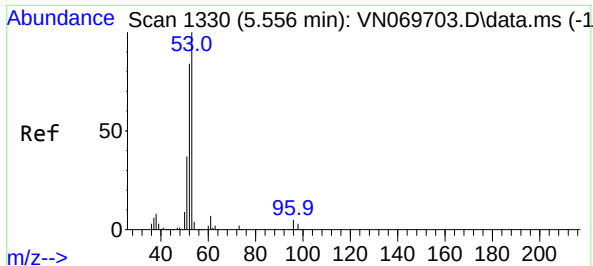
Tgt Ion: 56 Resp: 1018

Ion Ratio Lower Upper

56 100

55 180.2 56.6 85.0#

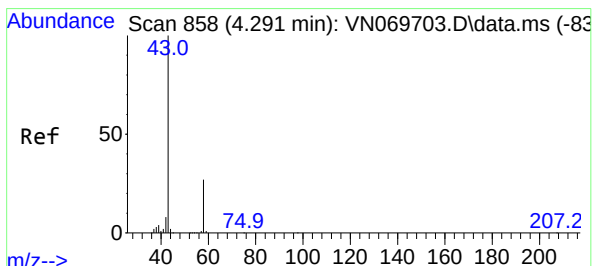
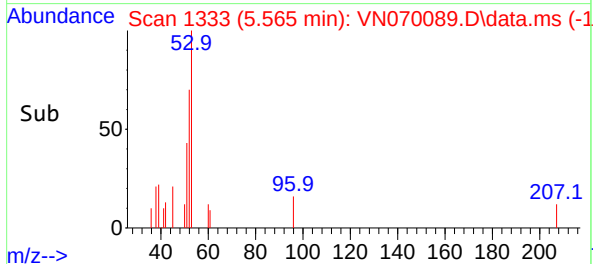
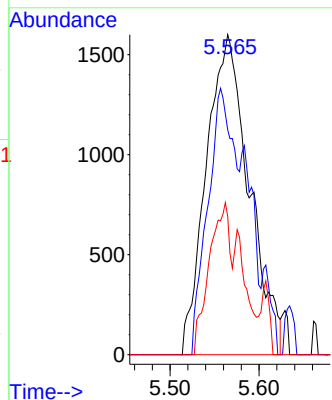
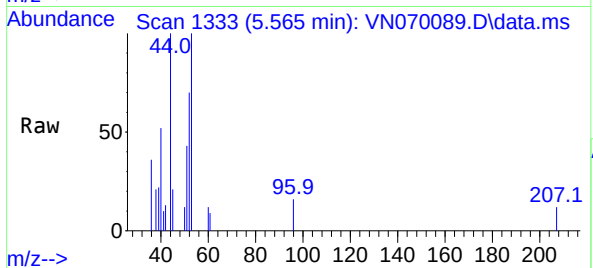




#15  
Acrylonitrile  
Concen: 0.630 ug/l  
RT: 5.565 min Scan# 11  
Delta R.T. 0.008 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

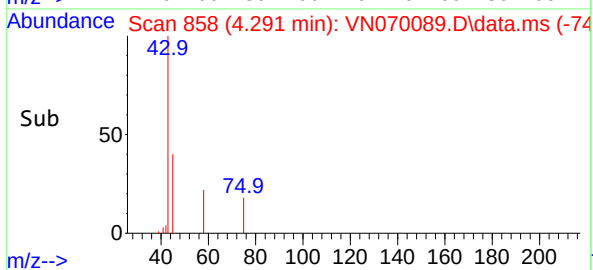
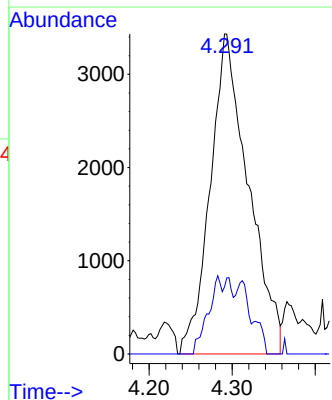
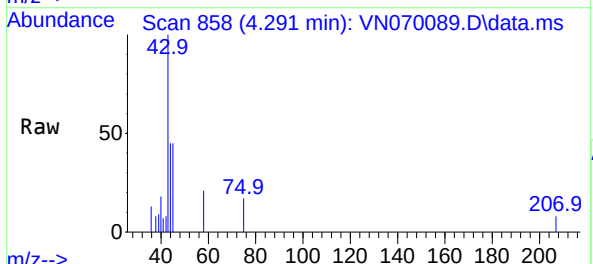
Instrument :  
MSVOA\_N  
ClientSampleId :

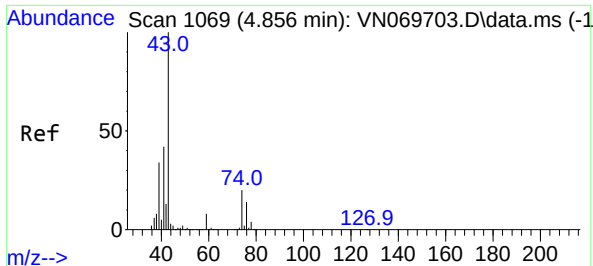
Tgt Ion: 53 Resp: 5336  
Ion Ratio Lower Upper  
53 100  
52 53.3 66.2 99.2#  
51 23.5 29.6 44.4#



#16  
Acetone  
Concen: 1.094 ug/l  
RT: 4.291 min Scan# 858  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 43 Resp: 10947  
Ion Ratio Lower Upper  
43 100  
58 21.0 23.1 34.7#





#18

Methyl Acetate

Concen: 0.484 ug/l

RT: 4.865 min Scan# 1069

Delta R.T. 0.008 min

Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

Instrument :

MSVOA\_N

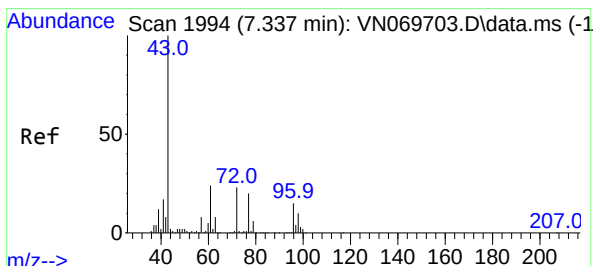
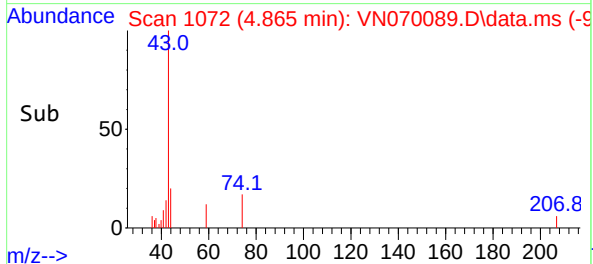
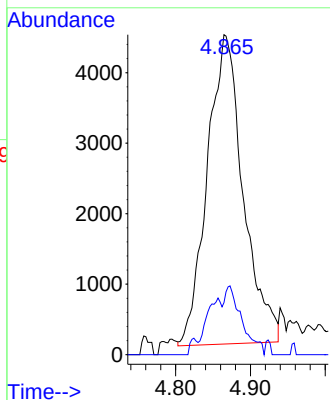
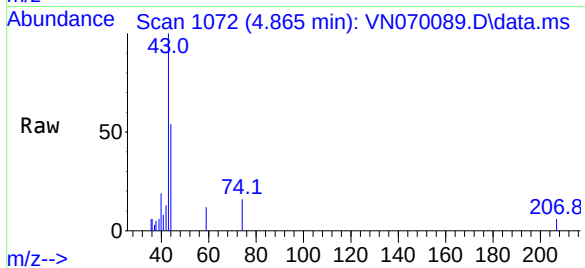
ClientSampleId :

Tgt Ion: 43 Resp: 14607

Ion Ratio Lower Upper

43 100

74 11.0 19.4 29.2#



#25

2-Butanone

Concen: 0.523 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN070089.D

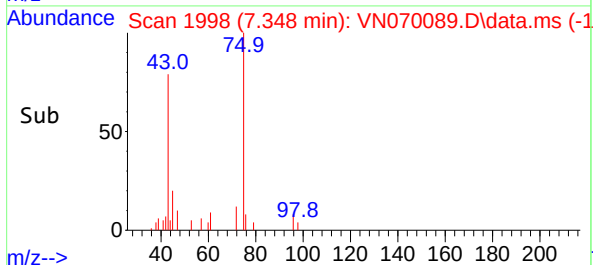
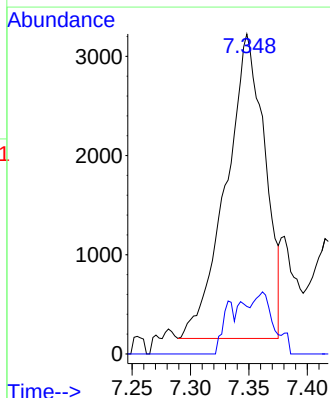
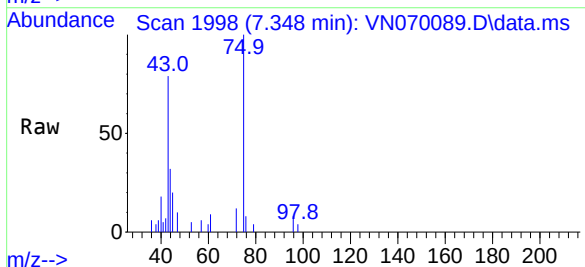
Acq: 14 Dec 2021 23:30

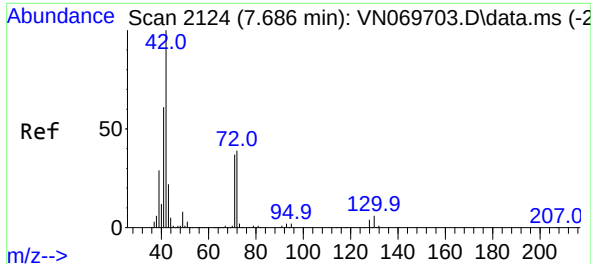
Tgt Ion: 43 Resp: 7107

Ion Ratio Lower Upper

43 100

72 15.6 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.699 min Scan# 2124

Delta R.T. 0.014 min

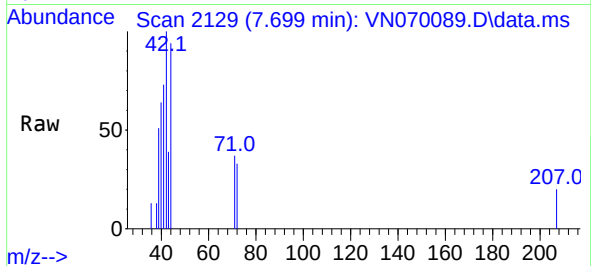
Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

Instrument :

MSVOA\_N

ClientSampleId :



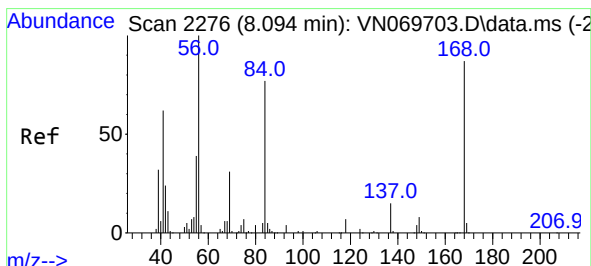
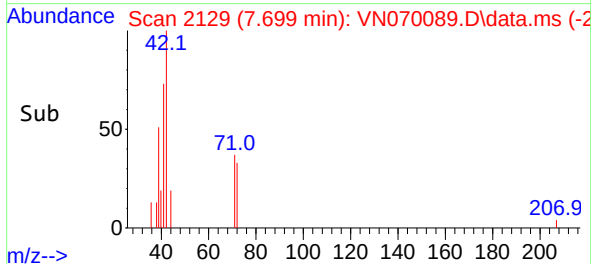
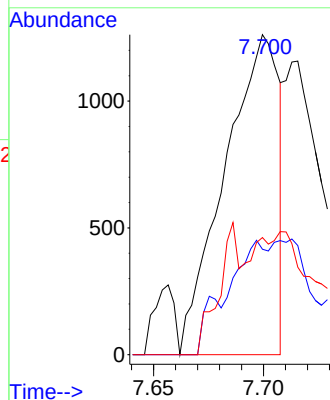
Tgt Ion: 42 Resp: 2150

Ion Ratio Lower Upper

42 100

72 27.9 36.3 54.5#

71 2.9 34.7 52.1#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

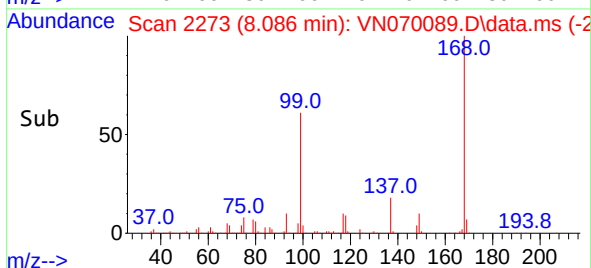
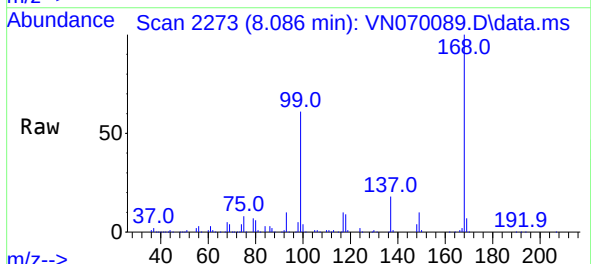
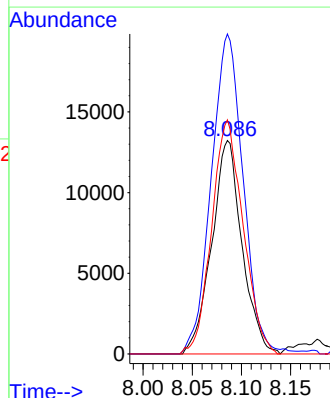
Tgt Ion: 56 Resp: 28363

Ion Ratio Lower Upper

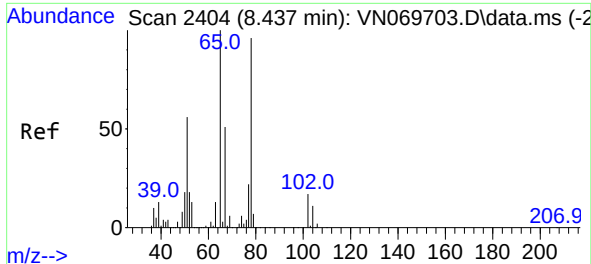
56 100

69 149.9 27.1 40.7#

84 109.7 73.4 110.0



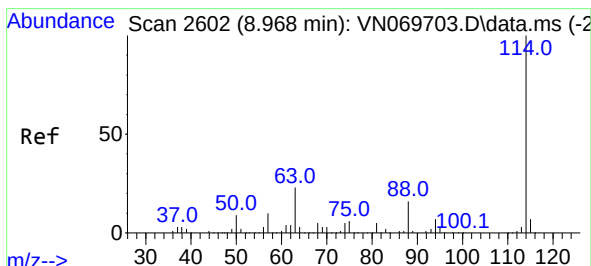
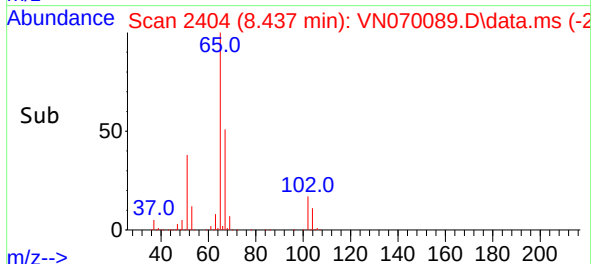
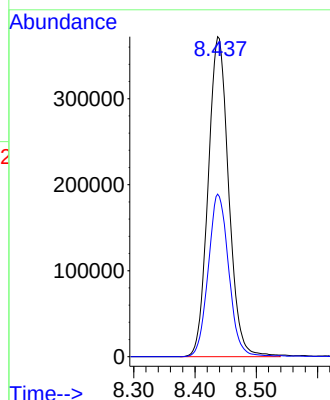
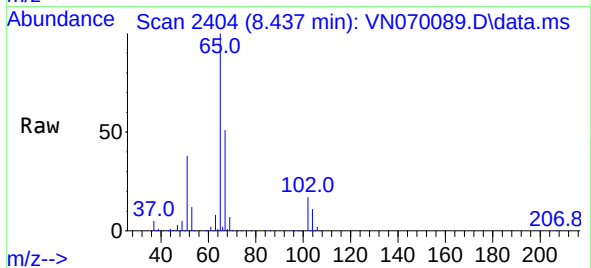




#33  
1,2-Dichloroethane-d4  
Concen: 52.050 ug/l  
RT: 8.437 min Scan# 2404  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

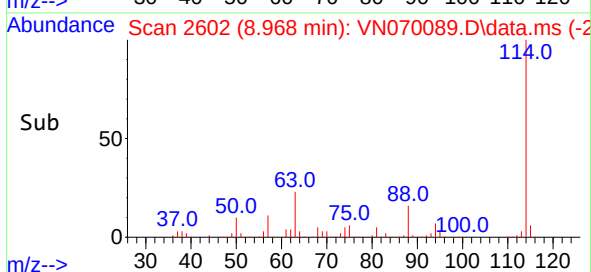
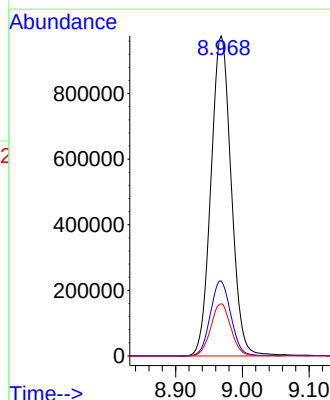
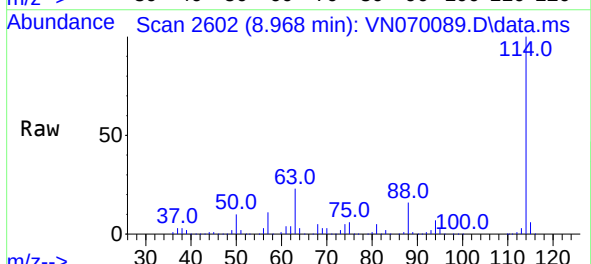
Instrument :  
MSVOA\_N  
ClientSampleId :

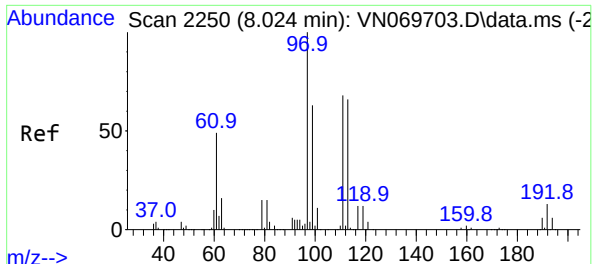
Tgt Ion: 65 Resp: 865834  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.968 min Scan# 2602  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

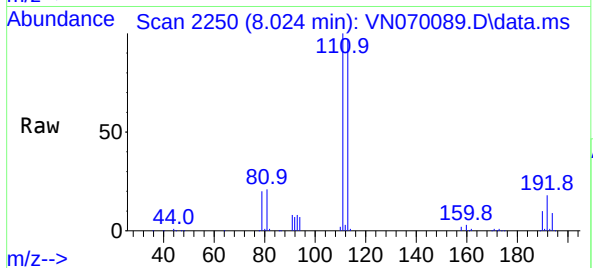
Tgt Ion: 114 Resp: 2058082  
Ion Ratio Lower Upper  
114 100  
63 23.4 0.0 37.8  
88 16.3 0.0 27.4



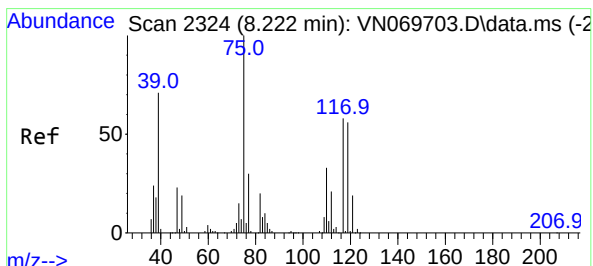
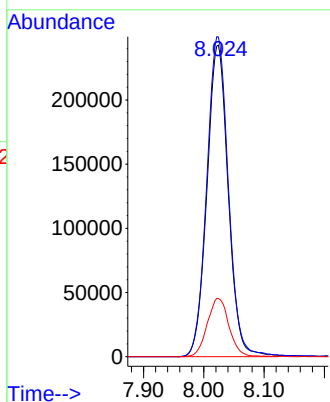
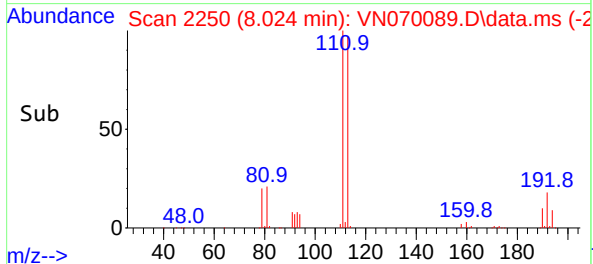


#35  
Dibromofluoromethane  
Concen: 46.185 ug/l  
RT: 8.024 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

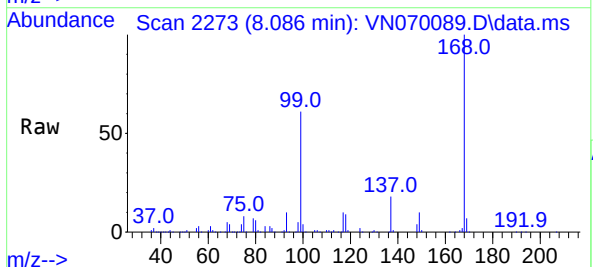
Instrument :  
MSVOA\_N  
ClientSampleId :



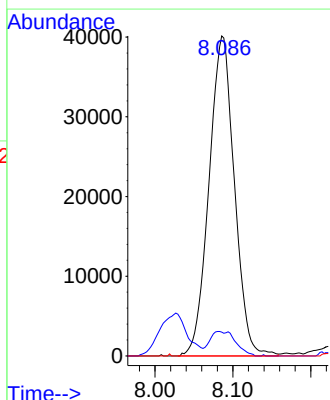
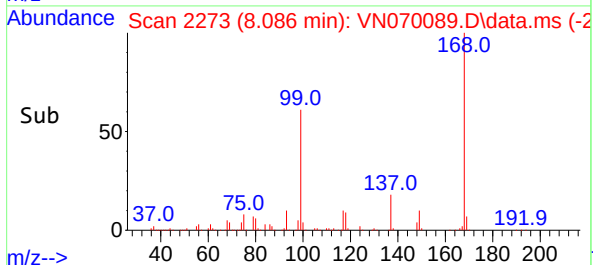
Tgt Ion:113 Resp: 595395  
Ion Ratio Lower Upper  
113 100  
111 104.8 82.2 123.2  
192 19.1 16.9 25.3

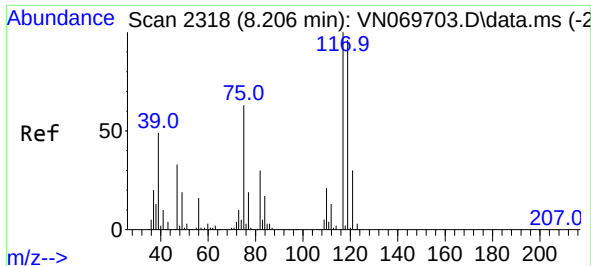


#36  
1,1-Dichloropropene  
Concen: 4.638 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30



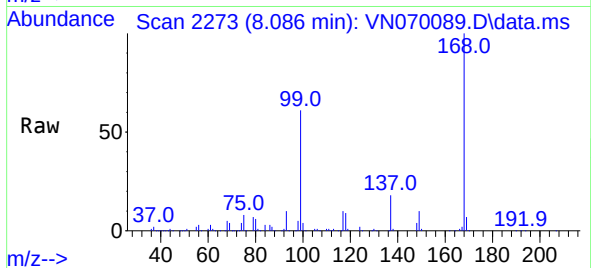
Tgt Ion: 75 Resp: 90878  
Ion Ratio Lower Upper  
75 100  
110 2.6 18.4 55.2#  
77 0.0 24.4 36.6#



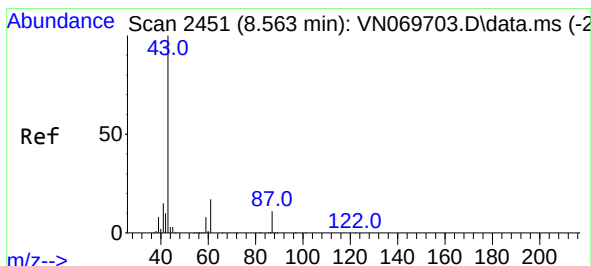
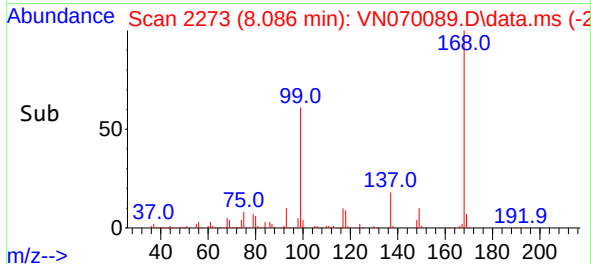
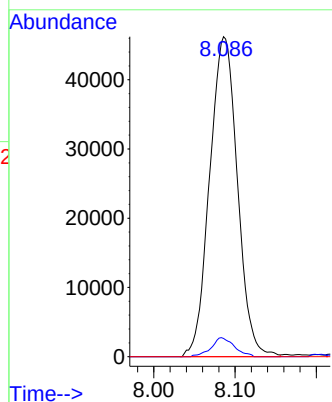


#38  
Carbon Tetrachloride  
Concen: 5.713 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.120 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

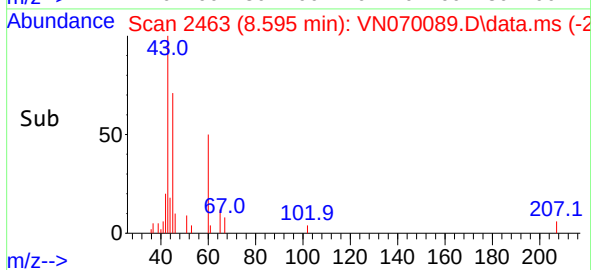
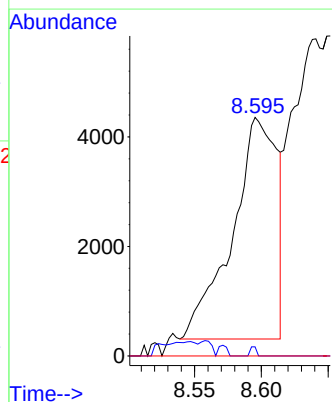
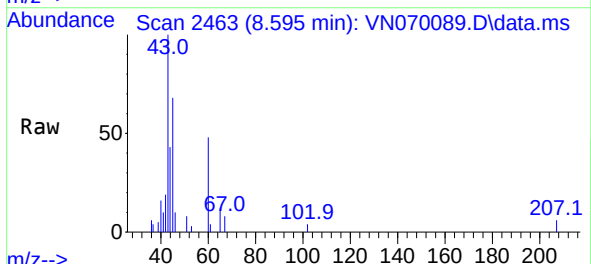


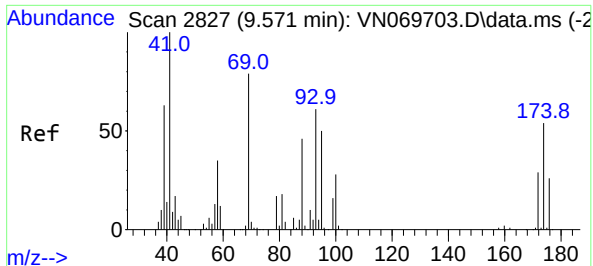
Tgt Ion:117 Resp: 109756  
Ion Ratio Lower Upper  
117 100  
119 5.7 76.1 114.1#  
121 0.0 24.2 36.2#



#43  
Isopropyl Acetate  
Concen: 0.218 ug/l  
RT: 8.595 min Scan# 2463  
Delta R.T. 0.032 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

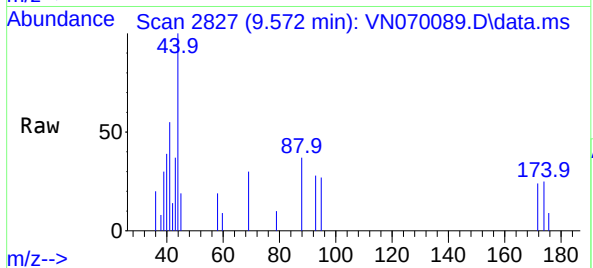
Tgt Ion: 43 Resp: 9389  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 11.2 16.8#



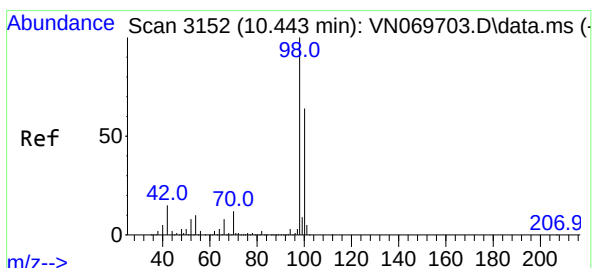
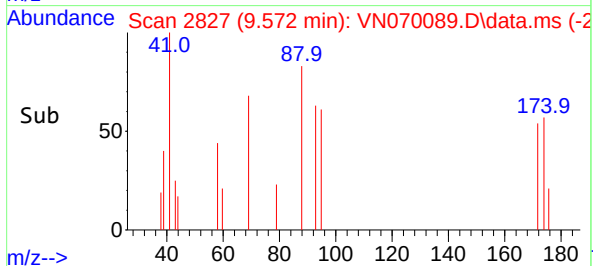
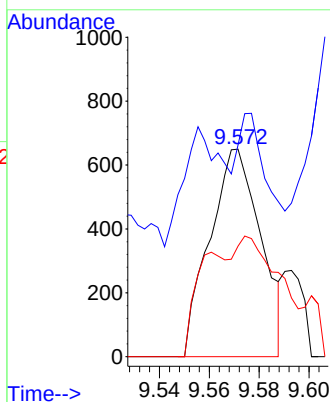


#49  
1,4-Dioxane  
Concen: 2.557 ug/l  
RT: 9.572 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

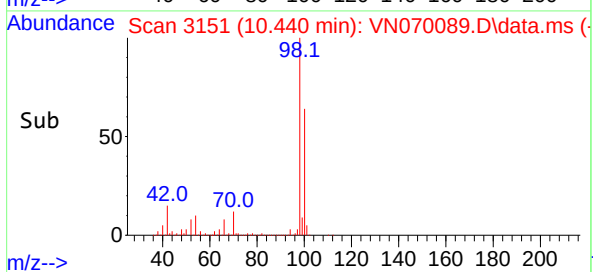
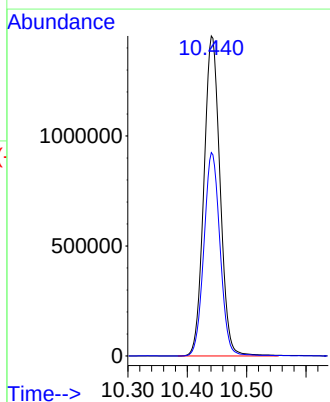
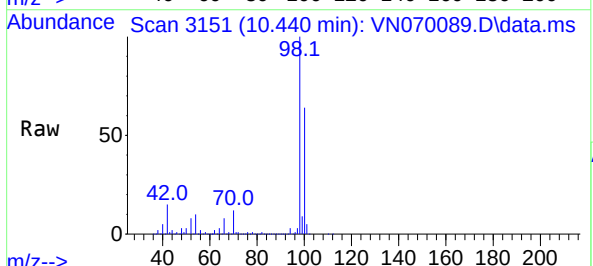


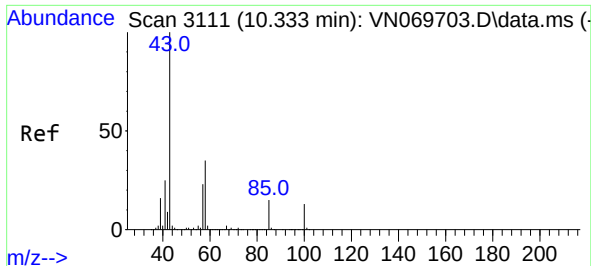
Tgt Ion: 88 Resp: 924  
Ion Ratio Lower Upper  
88 100  
43 21.1 23.4 35.2#  
58 30.5 50.6 75.8#



#50  
Toluene-d8  
Concen: 52.998 ug/l  
RT: 10.440 min Scan# 3151  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 98 Resp: 2743355  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.548 ug/l

RT: 10.331 min Scan# 3111

Delta R.T. -0.002 min

Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

Instrument :

MSVOA\_N

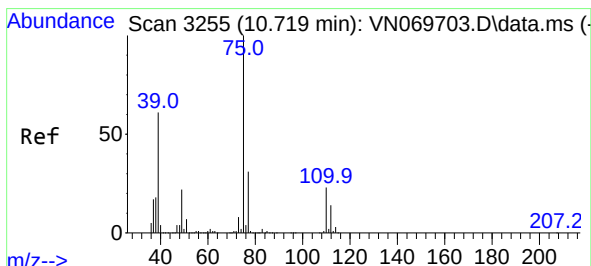
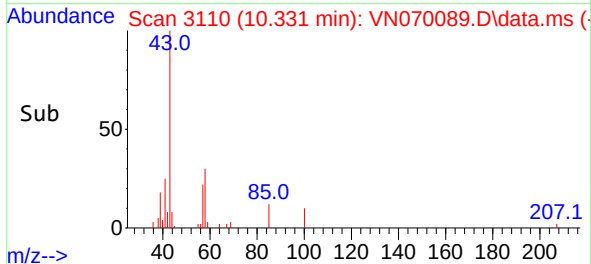
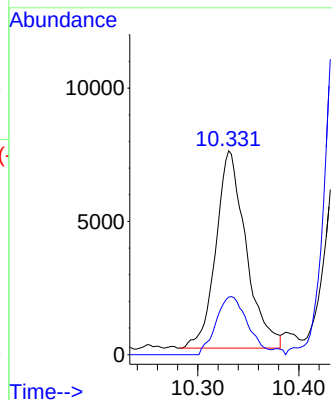
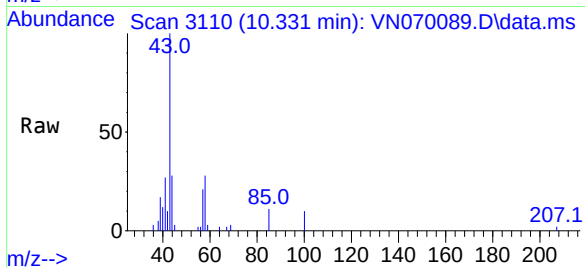
ClientSampleId :

Tgt Ion: 43 Resp: 15331

Ion Ratio Lower Upper

43 100

58 30.8 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.850 ug/l

RT: 10.727 min Scan# 3258

Delta R.T. 0.008 min

Lab File: VN070089.D

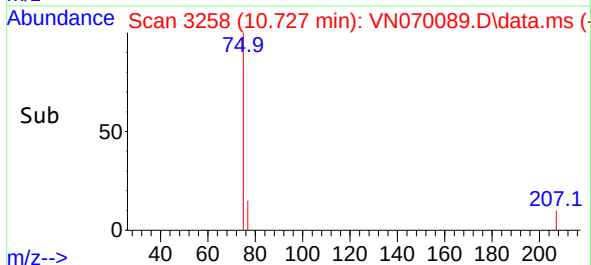
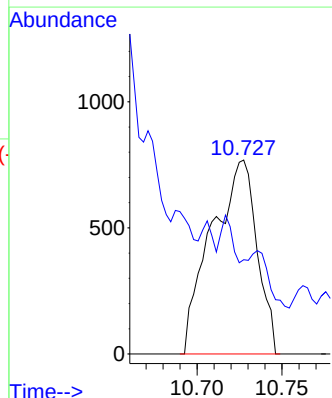
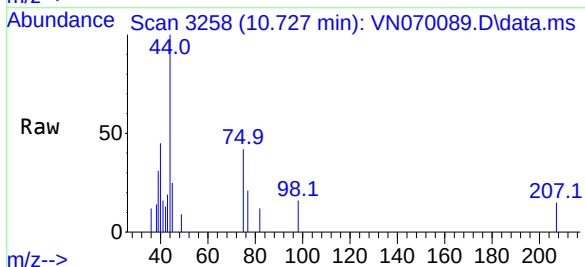
Acq: 14 Dec 2021 23:30

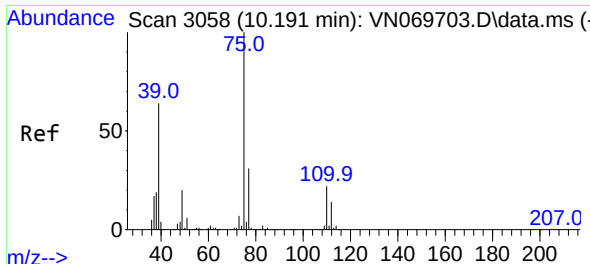
Tgt Ion: 75 Resp: 1430

Ion Ratio Lower Upper

75 100

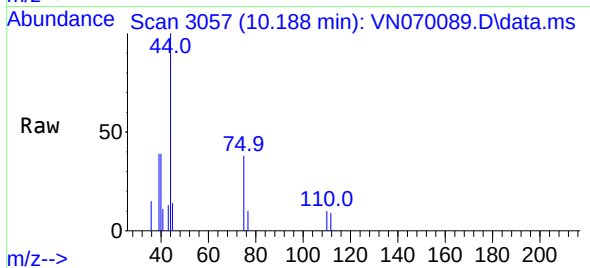
77 20.9 25.6 38.4#



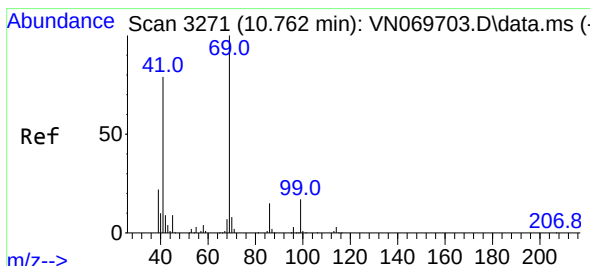
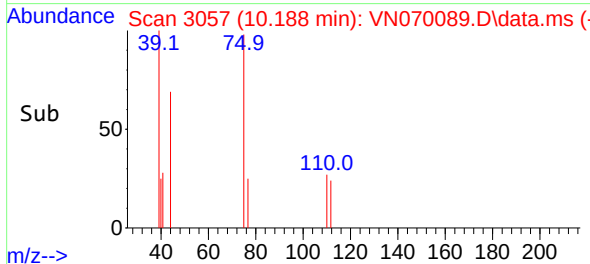
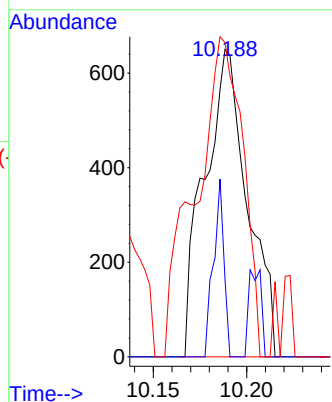


#54  
cis-1,3-Dichloropropene  
Concen: 2.038 ug/l  
RT: 10.188 min Scan# 3057  
Delta R.T. -0.003 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

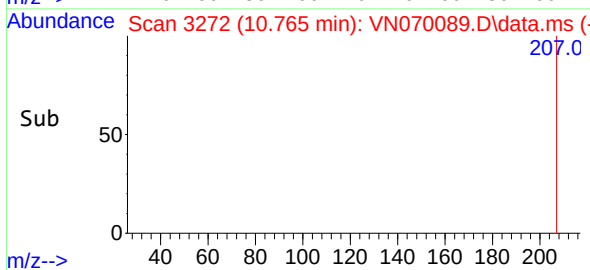
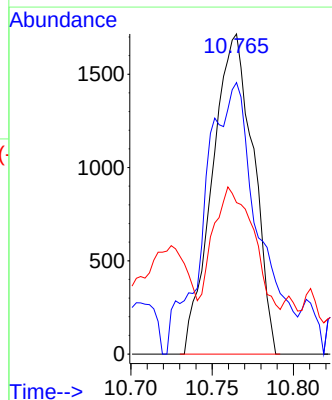
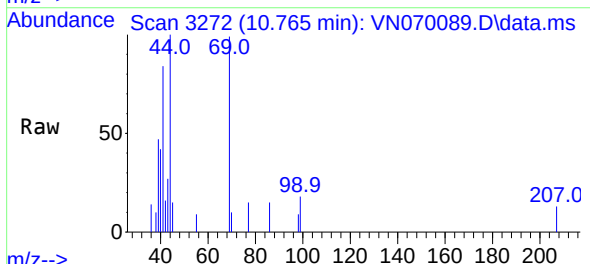


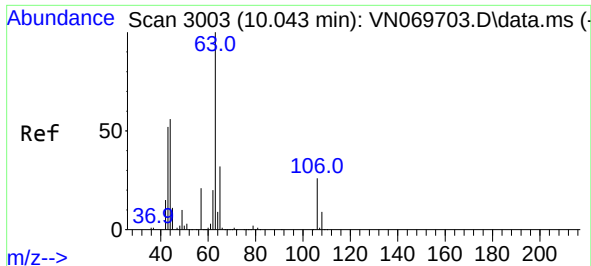
Tgt Ion: 75 Resp: 1043  
Ion Ratio Lower Upper  
75 100  
77 25.2 26.4 39.6#  
39 102.2 42.5 63.7#



#56  
Ethyl methacrylate  
Concen: 2.382 ug/l  
RT: 10.765 min Scan# 3272  
Delta R.T. 0.003 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 69 Resp: 3007  
Ion Ratio Lower Upper  
69 100  
41 111.5 51.4 77.0#  
39 36.4 34.6 52.0

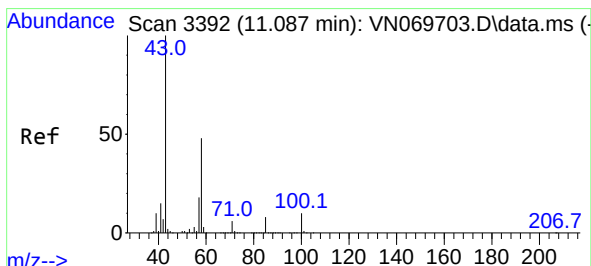
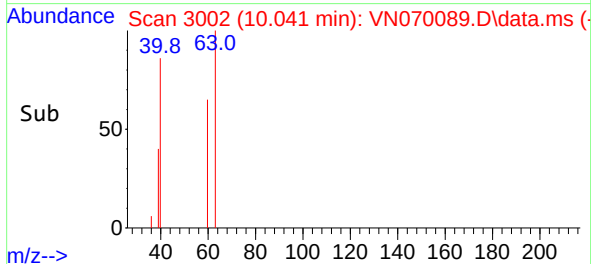
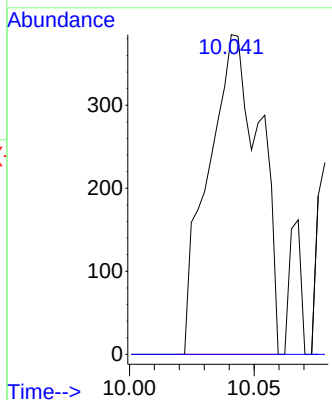
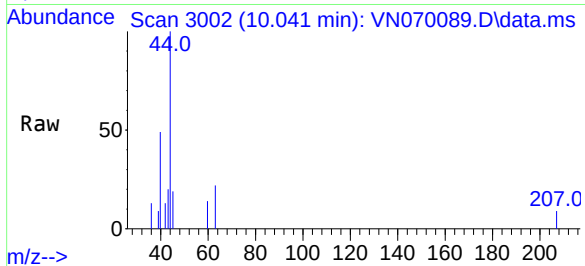




#58  
2-Chloroethyl Vinyl ether  
Concen: 18.457 ug/l  
RT: 10.041 min Scan# 3003  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

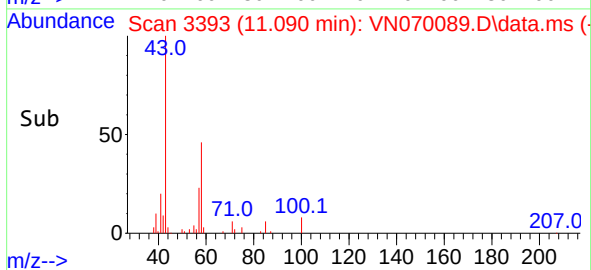
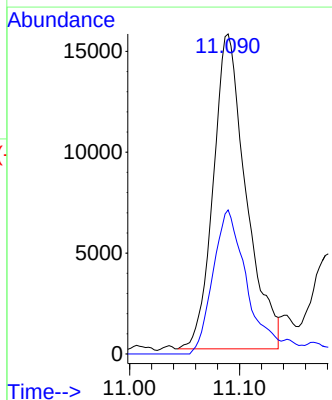
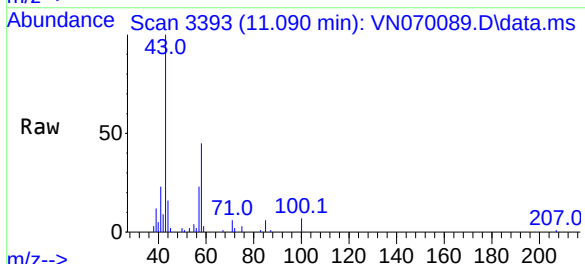
Instrument :  
MSVOA\_N  
ClientSampleId :

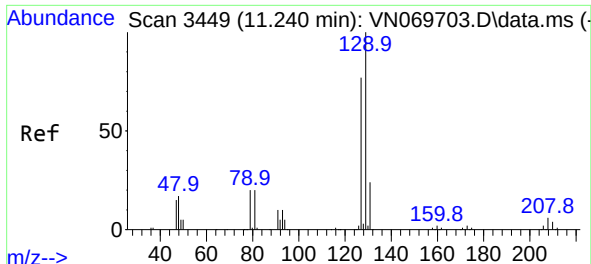
Tgt Ion: 63 Resp: 555  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#



#59  
2-Hexanone  
Concen: 1.532 ug/l  
RT: 11.090 min Scan# 3393  
Delta R.T. 0.003 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 43 Resp: 32440  
Ion Ratio Lower Upper  
43 100  
58 46.8 26.9 80.7

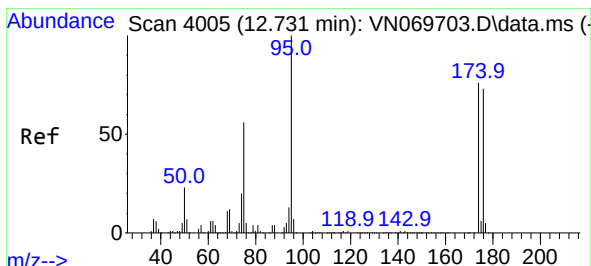
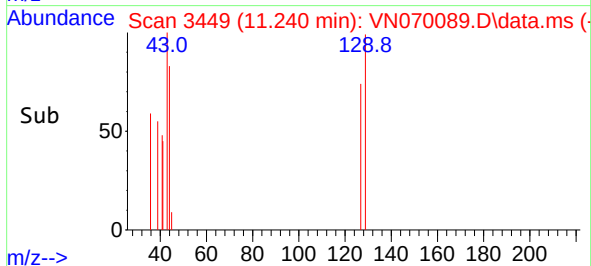
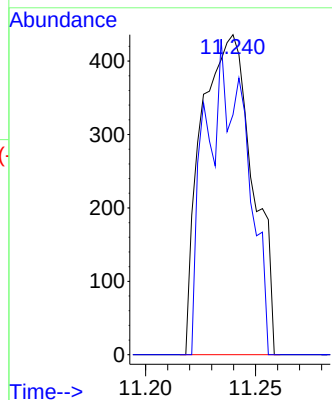
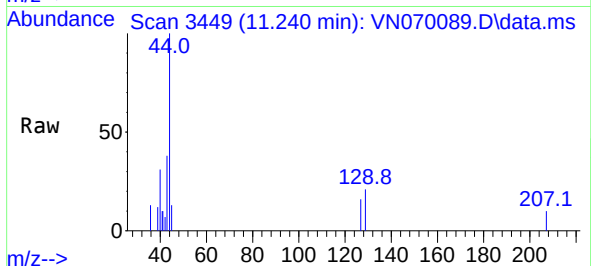




#60  
Dibromochloromethane  
Concen: 2.419 ug/l  
RT: 11.240 min Scan# 3449  
Delta R.T. -0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

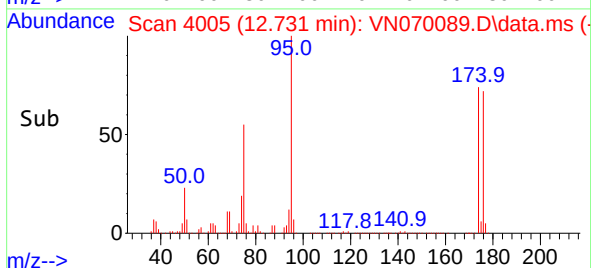
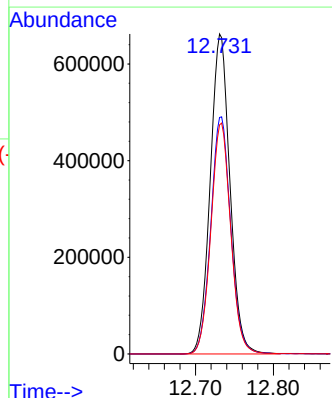
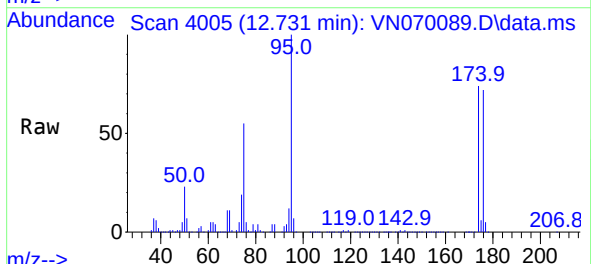
Instrument :  
MSVOA\_N  
ClientSampleId :

Tgt Ion:129 Resp: 708  
Ion Ratio Lower Upper  
129 100  
127 50.3 38.6 116.0

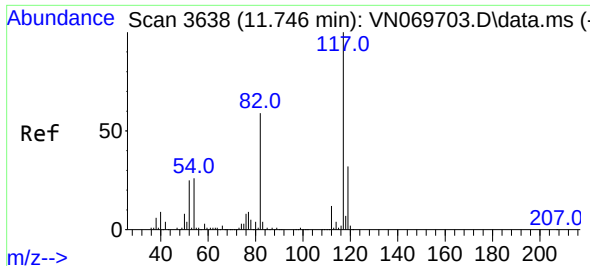


#62  
4-Bromofluorobenzene  
Concen: 61.981 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 95 Resp: 1162317  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 187.2  
176 72.6 0.0 181.4

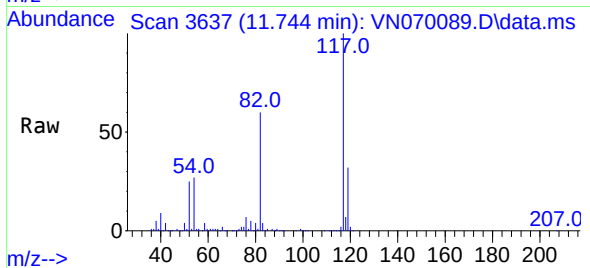




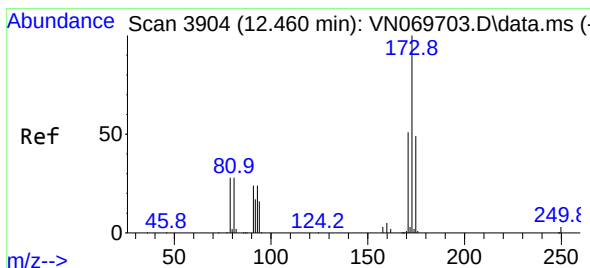
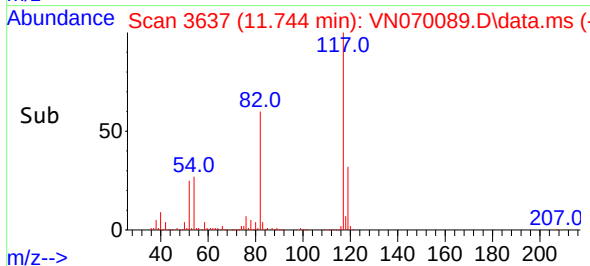
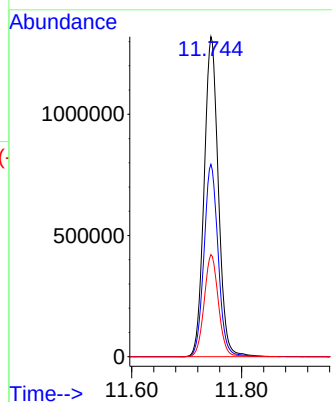


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.744 min Scan# 30  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

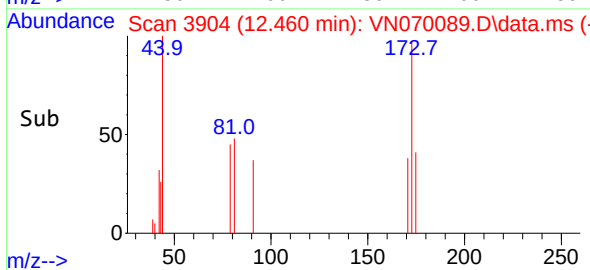
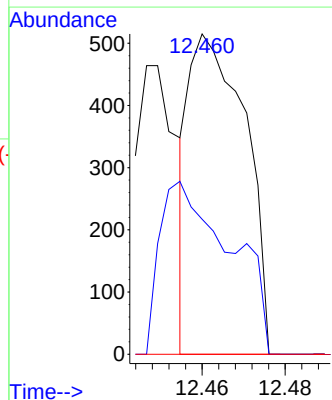
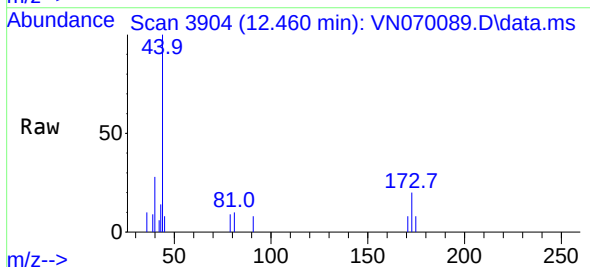


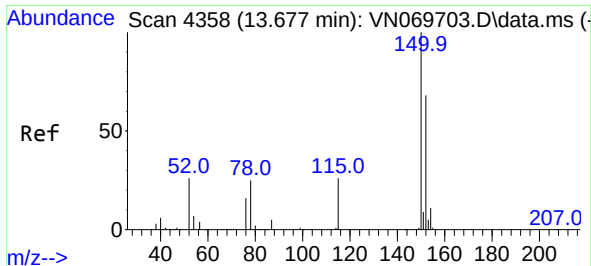
Tgt Ion:117 Resp: 2373001  
Ion Ratio Lower Upper  
117 100  
82 60.1 42.4 63.6  
119 31.9 25.4 38.2



#71  
Bromoform  
Concen: 2.762 ug/l  
RT: 12.460 min Scan# 3904  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

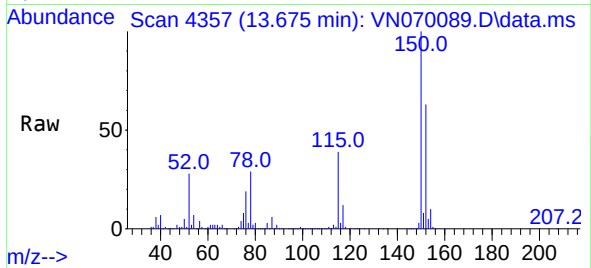
Tgt Ion:173 Resp: 481  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.2 72.6#  
254 0.0 0.0 0.0



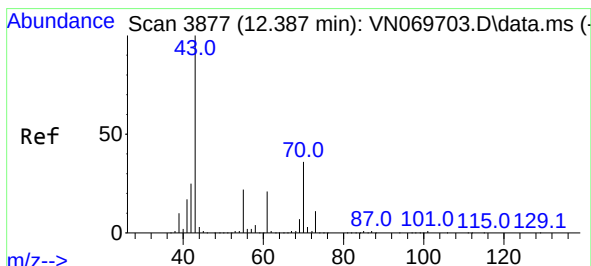
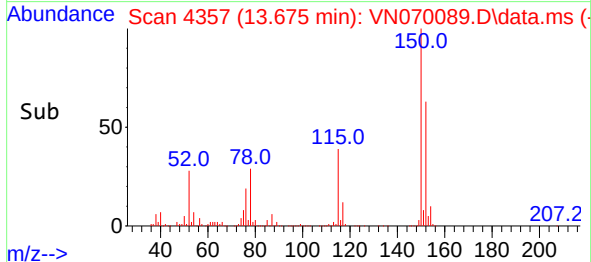
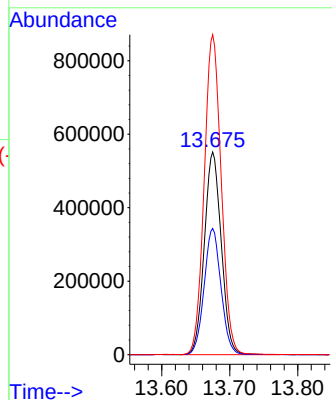


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.675 min Scan# 41  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

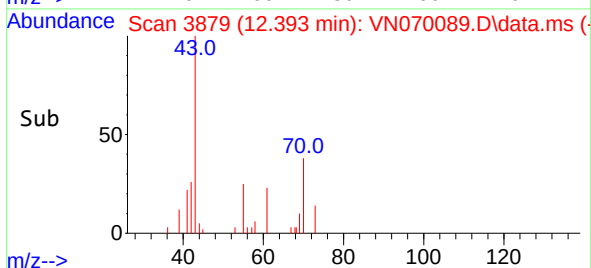
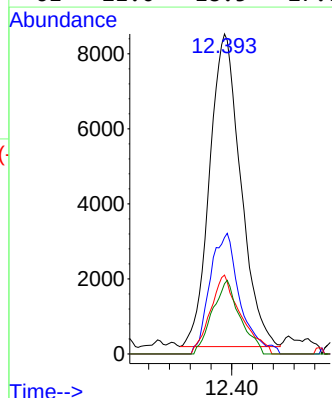
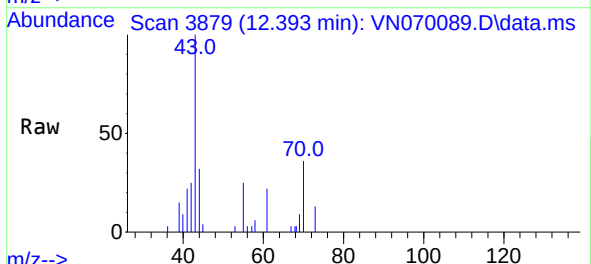


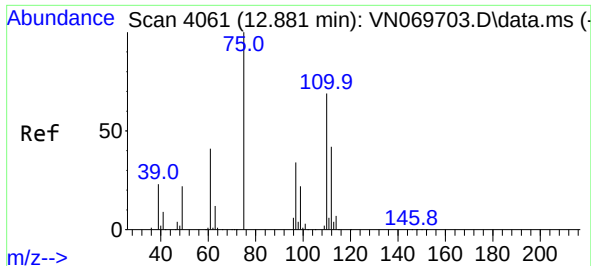
Tgt Ion:152 Resp: 954524  
Ion Ratio Lower Upper  
152 100  
115 61.7 27.5 82.5  
150 158.7 0.0 344.4



#74  
N-ethyl acetate  
Concen: 0.461 ug/l  
RT: 12.393 min Scan# 3879  
Delta R.T. 0.006 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 43 Resp: 17305  
Ion Ratio Lower Upper  
43 100  
70 37.3 33.4 50.0  
55 24.6 19.3 28.9  
61 21.0 18.5 27.7

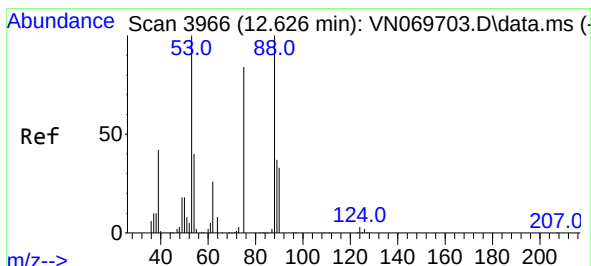
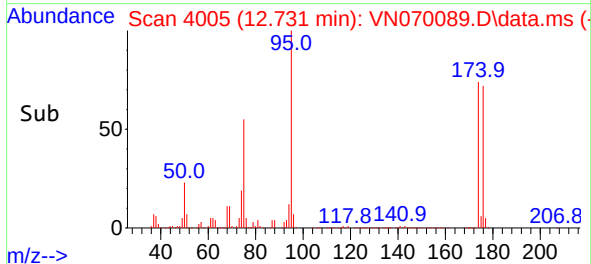
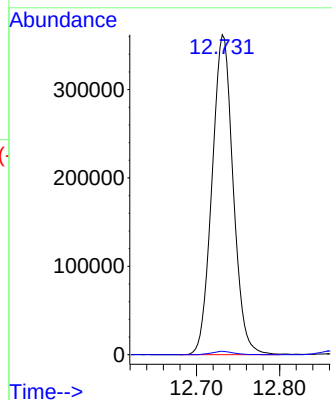
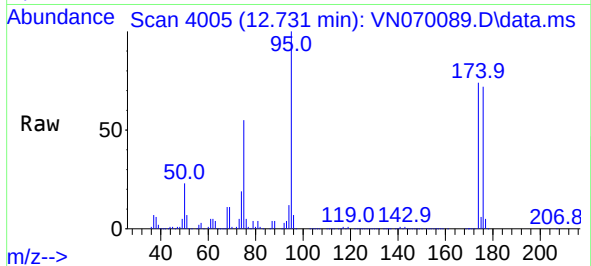




#76  
1,2,3-Trichloropropane  
Concen: 23.382 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. -0.150 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

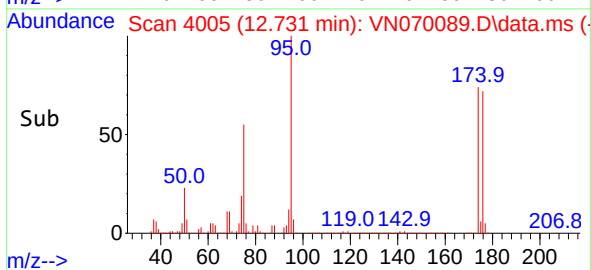
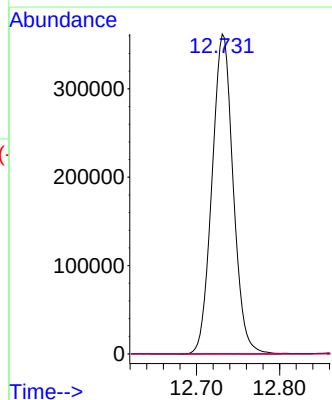
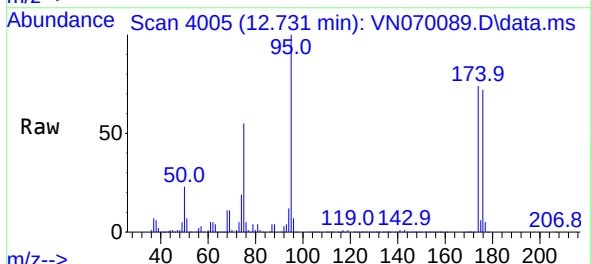
Instrument :  
MSVOA\_N  
ClientSampleId :

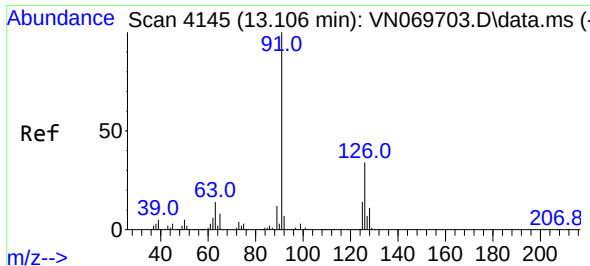
Tgt Ion: 75 Resp: 640060  
Ion Ratio Lower Upper  
75 100  
77 1.1 82.6 247.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.373 ug/l  
RT: 12.731 min Scan# 4005  
Delta R.T. 0.105 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 75 Resp: 640060  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 38.2 57.4#

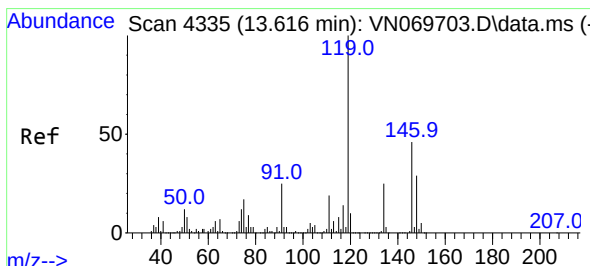
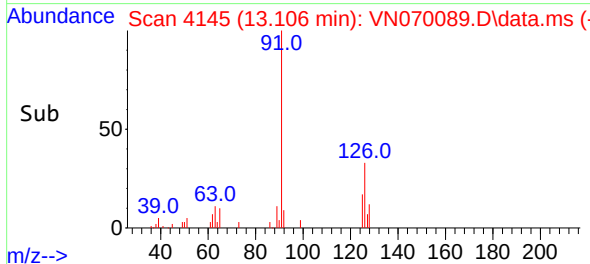
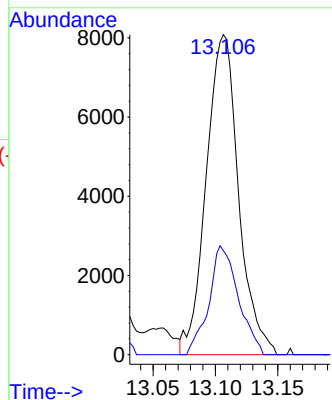
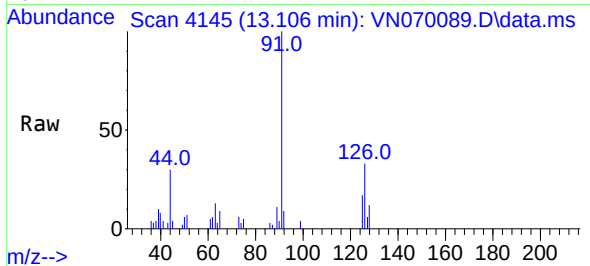




#82  
4-Chlorotoluene  
Concen: 0.260 ug/l  
RT: 13.106 min Scan# 4145  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

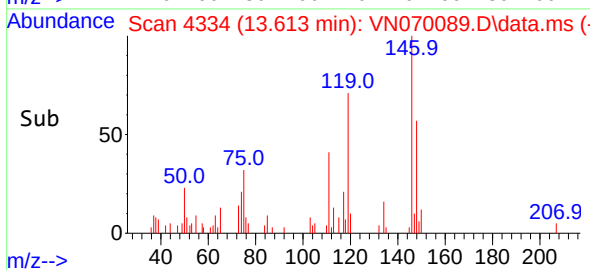
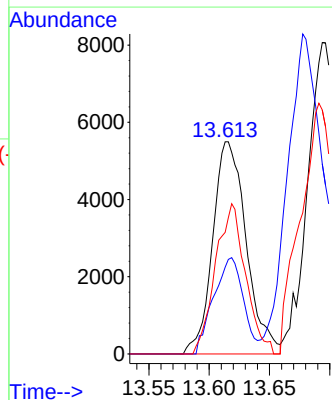
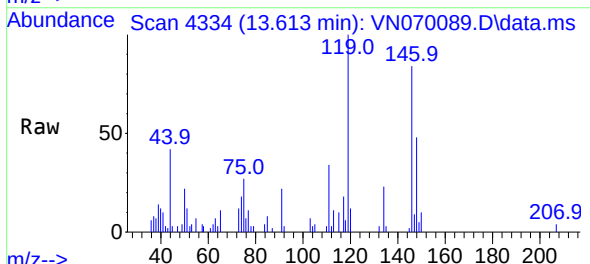
Instrument :  
MSVOA\_N  
ClientSampleId :

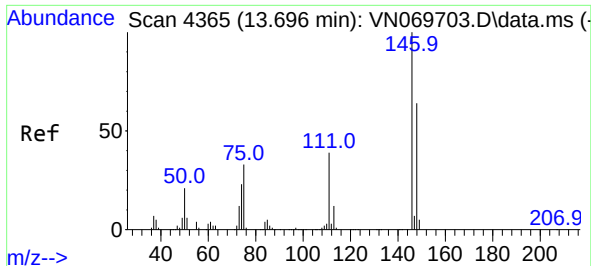
Tgt Ion: 91 Resp: 14596  
Ion Ratio Lower Upper  
91 100  
126 30.9 18.2 54.6



#87  
1,3-Dichlorobenzene  
Concen: 0.324 ug/l  
RT: 13.613 min Scan# 4334  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

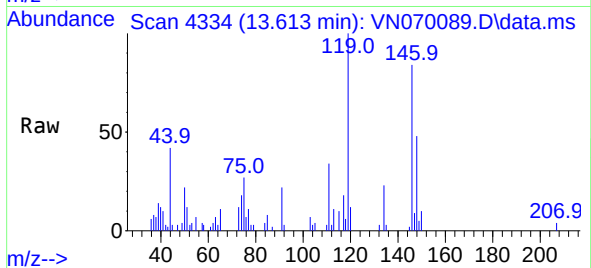
Tgt Ion:146 Resp: 10629  
Ion Ratio Lower Upper  
146 100  
111 40.2 18.6 55.6  
148 63.5 31.6 95.0



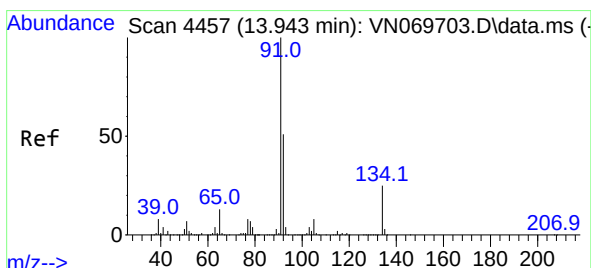
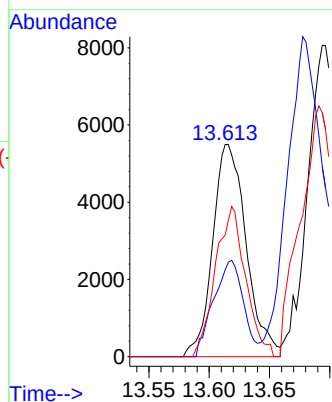
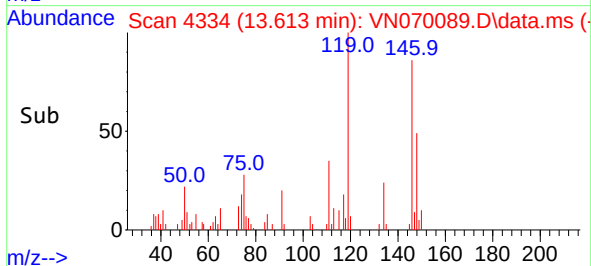


#88  
1,4-Dichlorobenzene  
Concen: 0.330 ug/l  
RT: 13.613 min Scan# 41  
Delta R.T. -0.083 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :

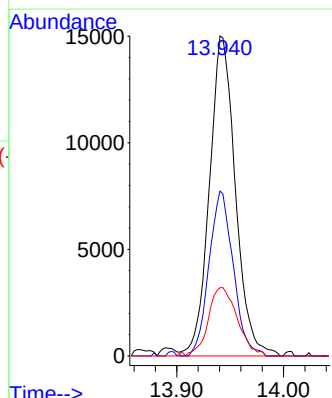
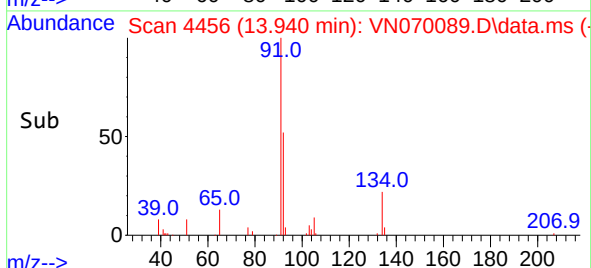
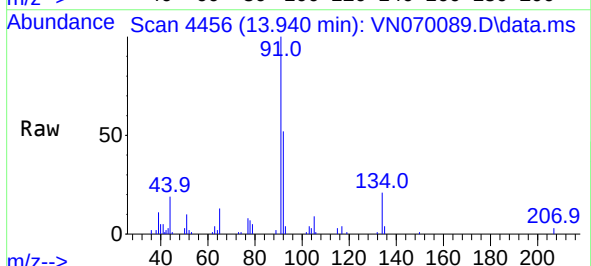


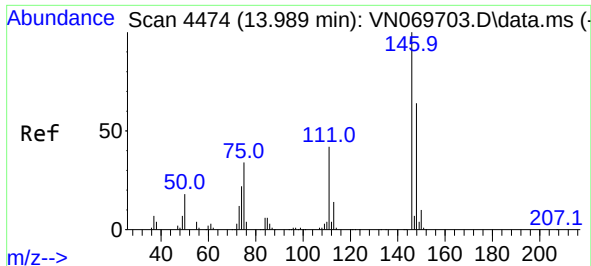
Tgt Ion:146 Resp: 10629  
Ion Ratio Lower Upper  
146 100  
111 40.2 18.3 54.8  
148 63.5 31.8 95.4



#89  
n-Butylbenzene  
Concen: 0.488 ug/l  
RT: 13.940 min Scan# 4456  
Delta R.T. -0.002 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion: 91 Resp: 25408  
Ion Ratio Lower Upper  
91 100  
92 48.0 25.4 76.0  
134 23.7 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.371 ug/l

RT: 13.994 min Scan# 4474

Delta R.T. 0.006 min

Lab File: VN070089.D

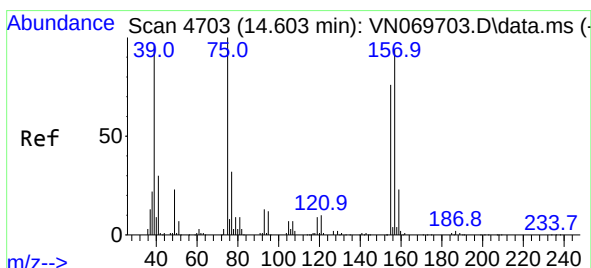
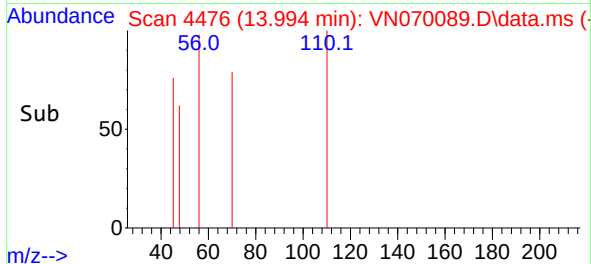
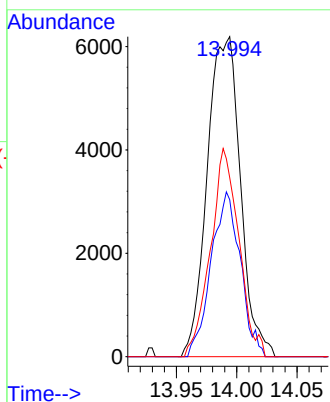
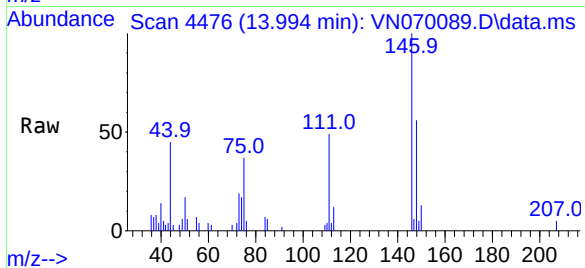
Acq: 14 Dec 2021 23:30

Instrument :

MSVOA\_N

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 11860 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 45.2  | 19.1  | 57.3  |
| 148      | 55.6  | 32.1  | 96.3  |



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.501 ug/l

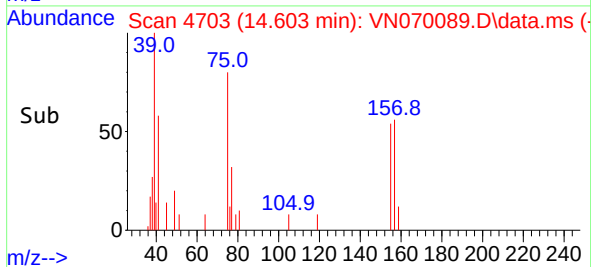
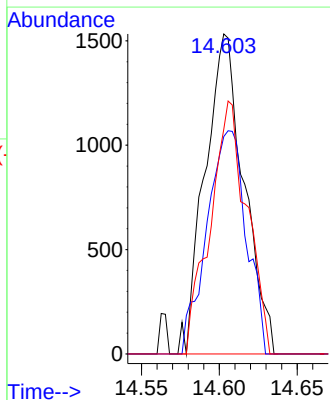
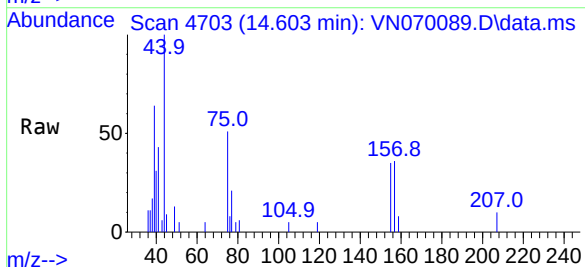
RT: 14.603 min Scan# 4703

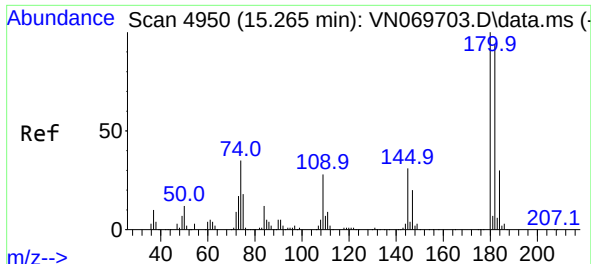
Delta R.T. 0.000 min

Lab File: VN070089.D

Acq: 14 Dec 2021 23:30

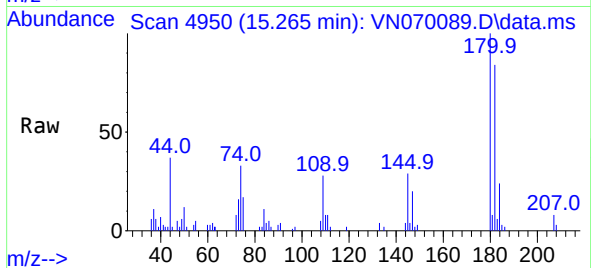
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2661  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 70.8  | 46.9  | 140.7 |
| 157      | 74.8  | 60.6  | 181.7 |



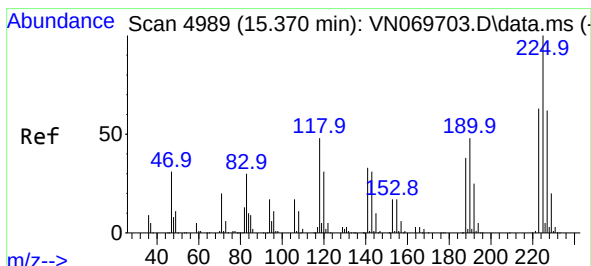
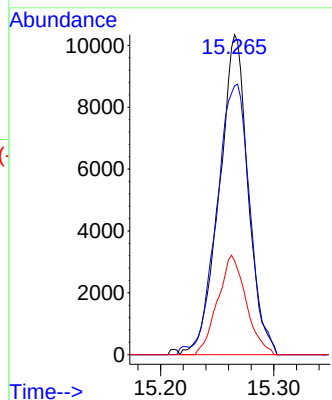
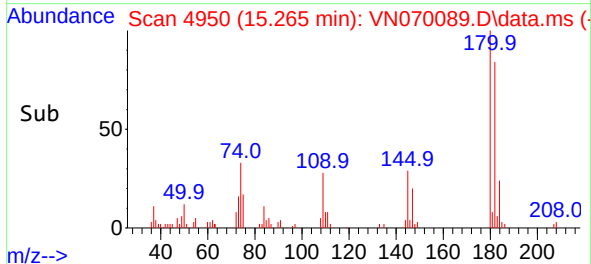


#93  
1,2,4-Trichlorobenzene  
Concen: 3.977 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

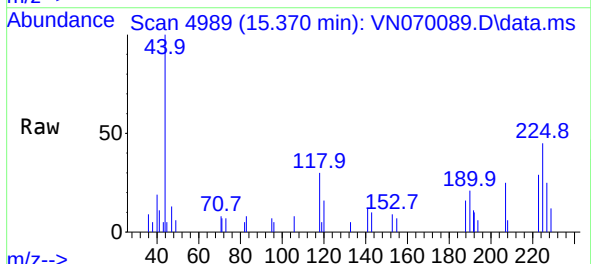
Instrument :  
MSVOA\_N  
ClientSampleId :



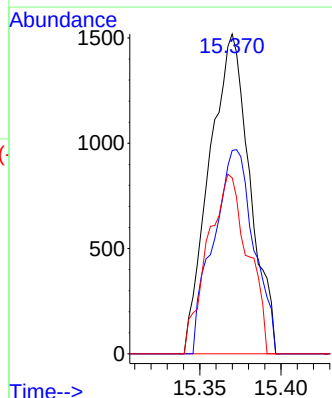
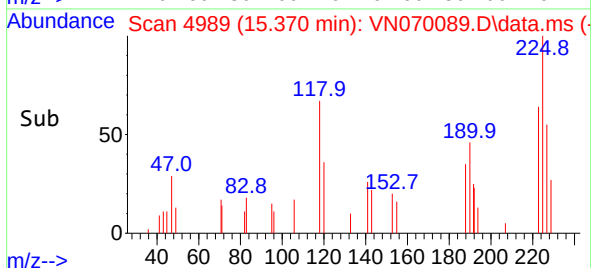
Tgt Ion:180 Resp: 18263  
Ion Ratio Lower Upper  
180 100  
182 96.4 48.3 144.9  
145 30.7 14.5 43.5

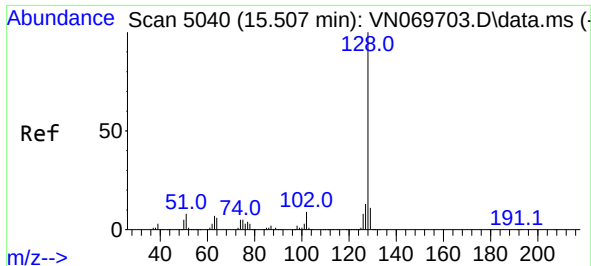


#94  
Hexachlorobutadiene  
Concen: 0.311 ug/l  
RT: 15.370 min Scan# 4989  
Delta R.T. 0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30



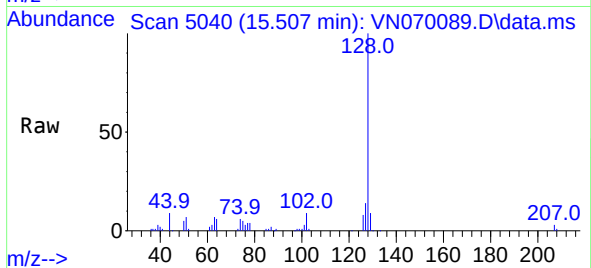
Tgt Ion:225 Resp: 2629  
Ion Ratio Lower Upper  
225 100  
223 64.0 31.9 95.7  
227 55.7 32.1 96.3



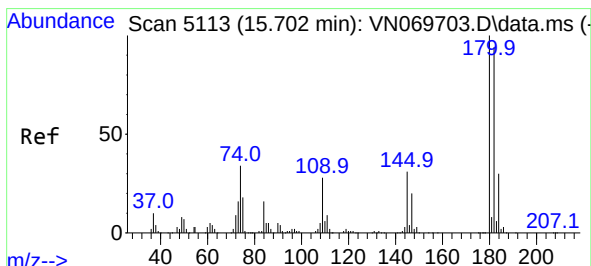
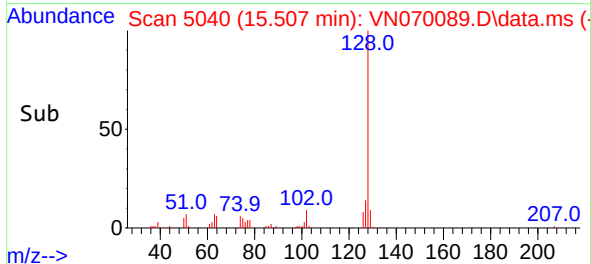
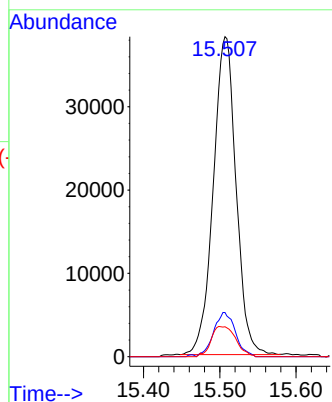


#95  
Naphthalene  
Concen: 5.545 ug/l  
RT: 15.507 min Scan# 5040  
Delta R.T. -0.000 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Instrument :  
MSVOA\_N  
ClientSampleId :



Tgt Ion:128 Resp: 79047  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 10.3 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 3.852 ug/l  
RT: 15.697 min Scan# 5111  
Delta R.T. -0.005 min  
Lab File: VN070089.D  
Acq: 14 Dec 2021 23:30

Tgt Ion:180 Resp: 22721  
Ion Ratio Lower Upper  
180 100  
182 91.6 47.4 142.2  
145 31.6 15.0 45.1

