

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091222\  
 Data File : VN074432.D  
 Acq On : 13 Sep 2022 01:49  
 Operator : JC\MD  
 Sample : N4509-11  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0913WBSD01

Quant Time: Sep 13 06:56:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 10 06:10:29 2022  
 Response via : Initial Calibration

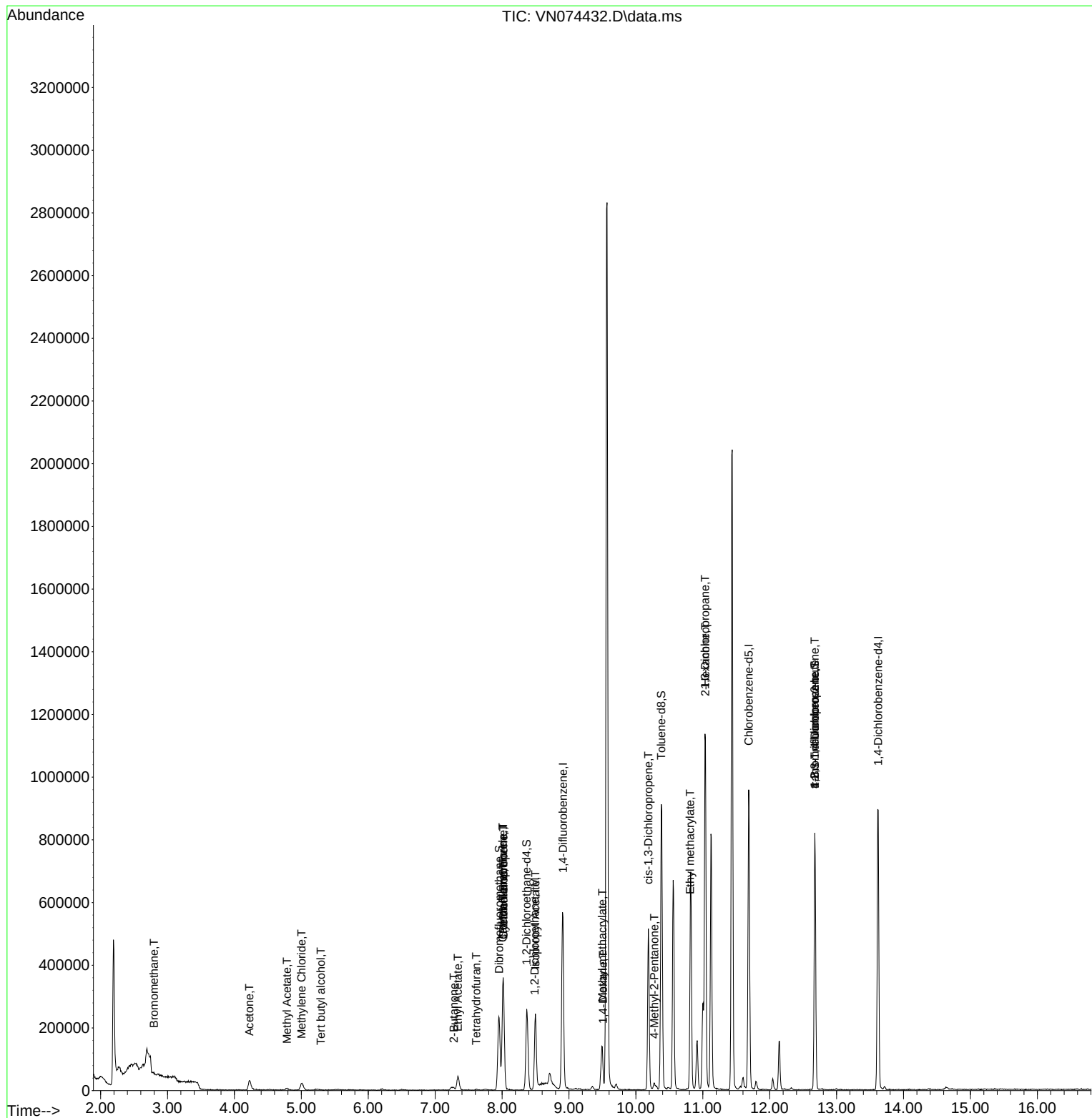
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.016          | 168  | 254896     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.910          | 114  | 459362     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.686         | 117  | 489236     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.621         | 152  | 216707     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.369          | 65   | 204399     | 46.348    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 92.700%   |        |          |
| 35) Dibromofluoromethane      | 7.957          | 113  | 165311     | 53.306    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 106.620%  |        |          |
| 50) Toluene-d8                | 10.380         | 98   | 584346     | 48.359    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 96.720%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.674         | 95   | 231779     | 52.832    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 105.660%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 3) Chloromethane              | 2.263          | 50   | 1628       | Below Cal | #      | 80       |
| 5) Bromomethane               | 2.799          | 94   | 1268       | 0.329     | ug/l # | 69       |
| 6) Chloroethane               | 3.046          | 64   | 3453       | Below Cal | #      | 42       |
| 11) Tert butyl alcohol        | 5.293          | 59   | 519        | 0.450     | ug/l # | 71       |
| 16) Acetone                   | 4.222          | 43   | 55024      | 23.111    | ug/l   | 93       |
| 18) Methyl Acetate            | 4.787          | 43   | 9290       | 1.324     | ug/l   | 99       |
| 20) Methylene Chloride        | 5.004          | 84   | 15284      | 2.959     | ug/l # | 90       |
| 25) 2-Butanone                | 7.281          | 43   | 10973      | 2.746     | ug/l # | 76       |
| 28) Bromochloromethane        | 7.757          | 49   | 71         | Below Cal | #      | 20       |
| 29) Tetrahydrofuran           | 7.616          | 42   | 1121       | 0.424     | ug/l # | 86       |
| 31) Cyclohexane               | 8.022          | 56   | 8994       | 1.282     | ug/l # | 61       |
| 36) 1,1-Dichloropropene       | 8.022          | 75   | 23492      | 4.598     | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.339          | 43   | 69497      | 9.377     | ug/l   | 99       |
| 38) Carbon Tetrachloride      | 8.010          | 117  | 28114      | 5.330     | ug/l # | 12       |
| 42) 1,2-Dichloroethane        | 8.486          | 62   | 1831       | 0.306     | ug/l # | 76       |
| 43) Isopropyl Acetate         | 8.498          | 43   | 275008     | 22.690    | ug/l # | 90       |
| 48) Methyl methacrylate       | 9.498          | 41   | 10305      | 1.929     | ug/l # | 47       |
| 49) 1,4-Dioxane               | 9.510          | 88   | 60         | 0.533     | ug/l # | 25       |
| 51) 4-Methyl-2-Pentanone      | 10.275         | 43   | 22794      | 2.876     | ug/l # | 75       |
| 54) cis-1,3-Dichloropropene   | 10.186         | 75   | 80487      | 12.076    | ug/l # | 70       |
| 56) Ethyl methacrylate        | 10.810         | 69   | 2536       | 0.374     | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 11.033         | 76   | 10279      | 1.475     | ug/l # | 43       |
| 59) 2-Hexanone                | 11.039         | 43   | 164451     | 26.886    | ug/l # | 52       |
| 74) N-amyl acetate            | 12.322         | 43   | 3194       | Below Cal | #      | 48       |
| 76) 1,2,3-Trichloropropane    | 12.674         | 75   | 147989     | 26.123    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.674         | 75   | 147989     | 58.227    | ug/l # | 9        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.551         | 75   | 204        | Below Cal | #      | 8        |
| -----                         |                |      |            |           |        |          |

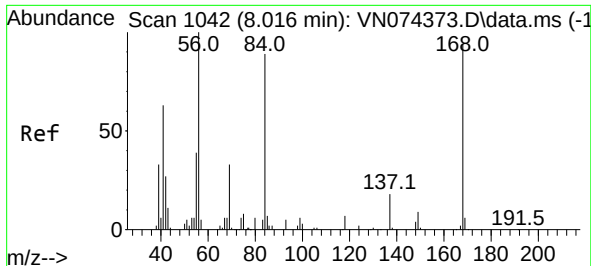
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Sample : N4509-11  
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ALS Vial : 34 Sample Multiplier: 1

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ClientSampleId :  
VN0913WBSD01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N090922W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 10 06:10:29 2022  
Response via : Initial Calibration

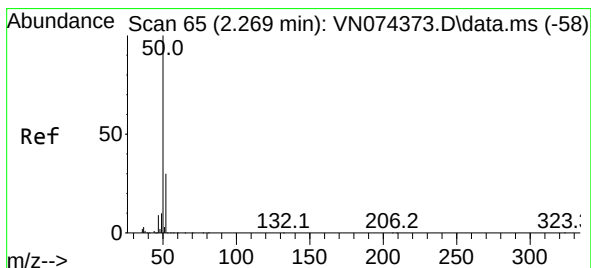
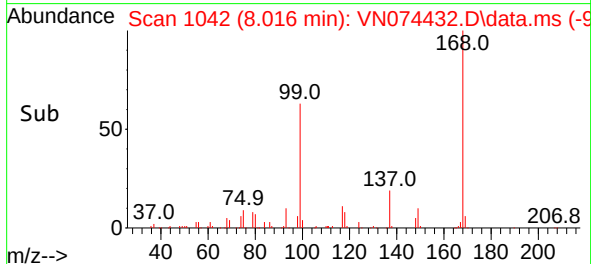
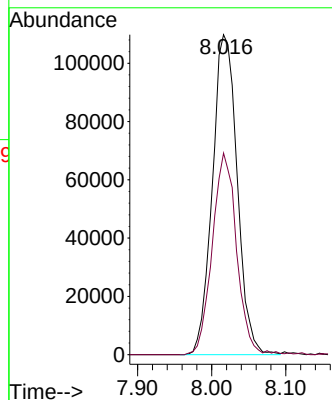
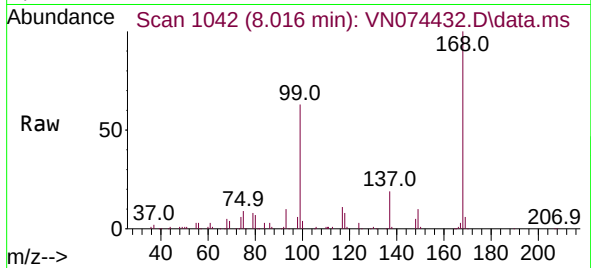




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

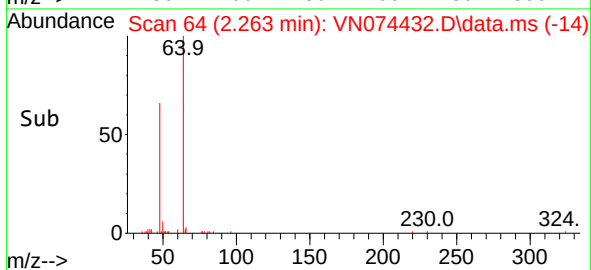
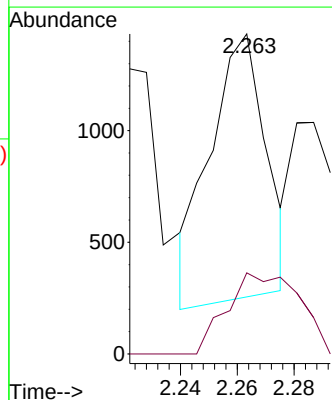
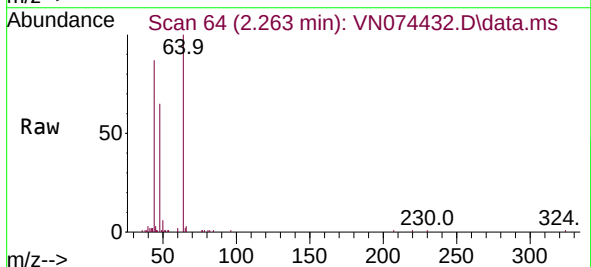
Instrument :  
MSVOA\_N  
ClientSampleId :  
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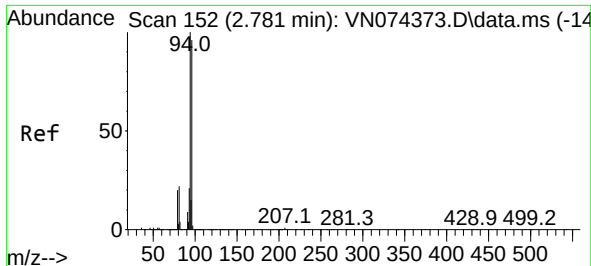
Tgt Ion:168 Resp: 254896  
Ion Ratio Lower Upper  
168 100  
99 63.0 52.8 79.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.263 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 50 Resp: 1628  
Ion Ratio Lower Upper  
50 100  
52 40.8 24.1 36.1#

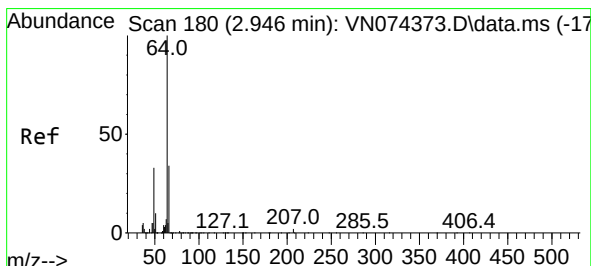
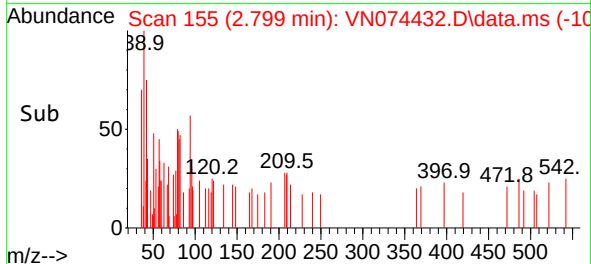
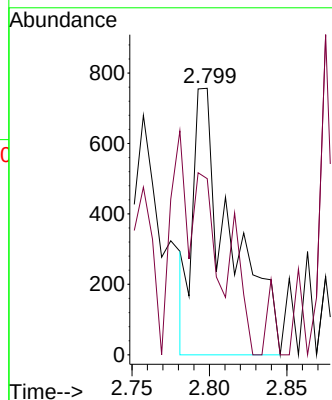
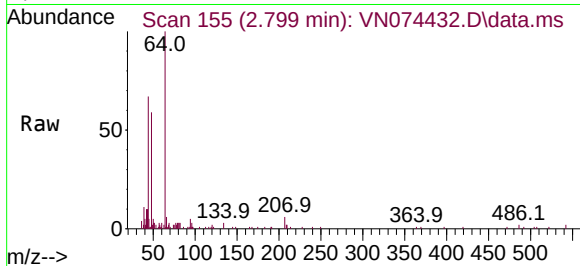




#5  
Bromomethane  
Concen: 0.329 ug/l  
RT: 2.799 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

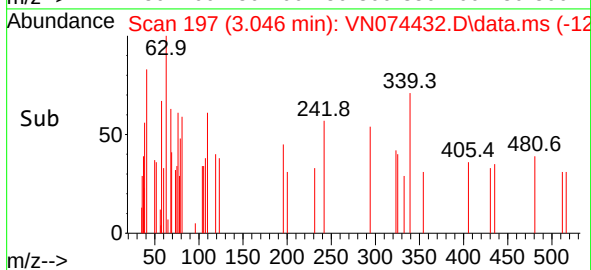
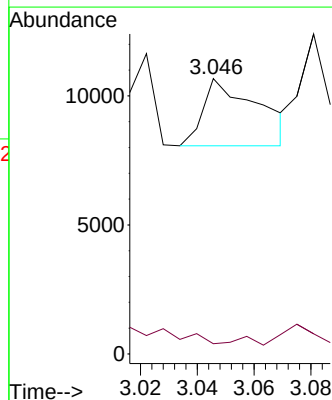
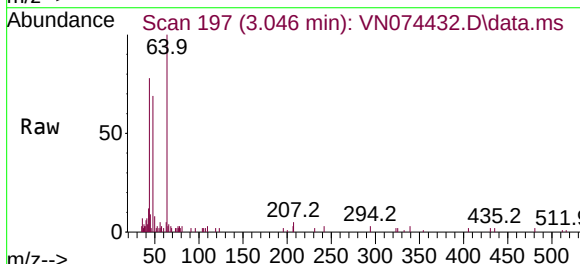
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

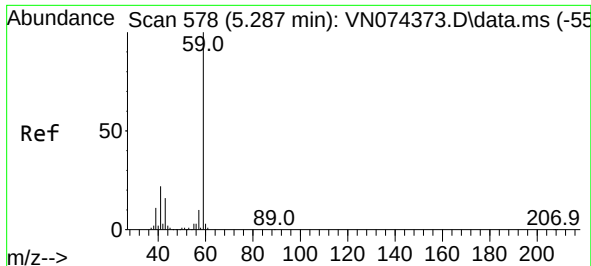
Tgt Ion: 94 Resp: 1268  
Ion Ratio Lower Upper  
94 100  
96 66.1 76.7 115.1#



#6  
Chloroethane  
Concen: Below Cal  
RT: 3.046 min Scan# 197  
Delta R.T. 0.100 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 64 Resp: 3453  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.5 39.7#

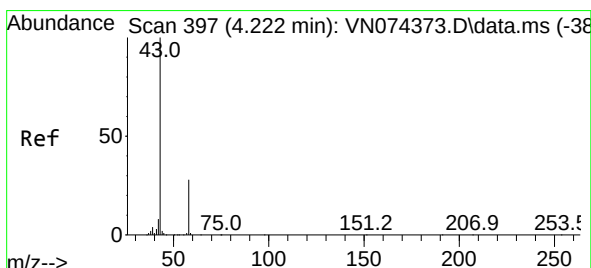
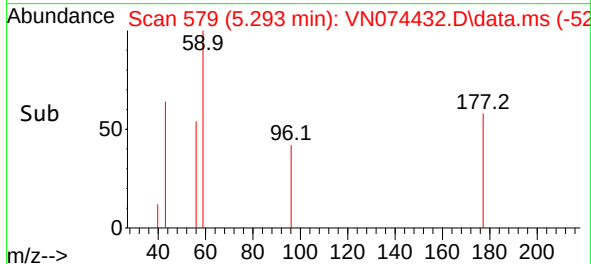
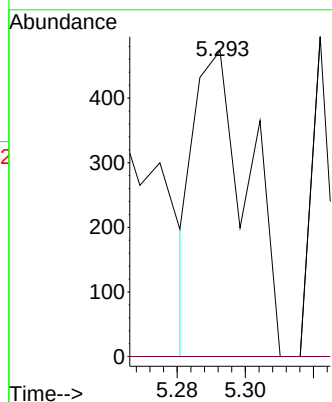
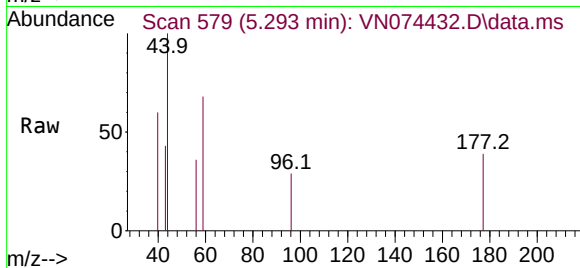




#11  
Tert butyl alcohol  
Concen: 0.450 ug/l  
RT: 5.293 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

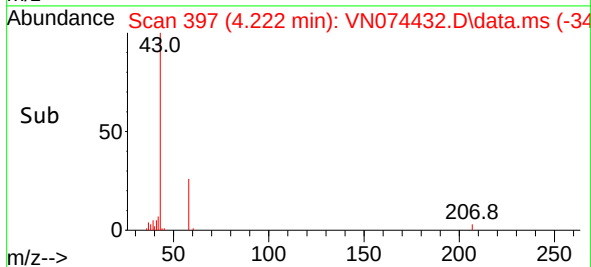
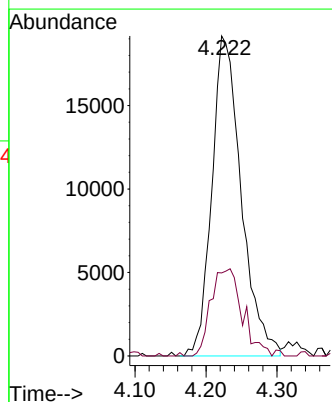
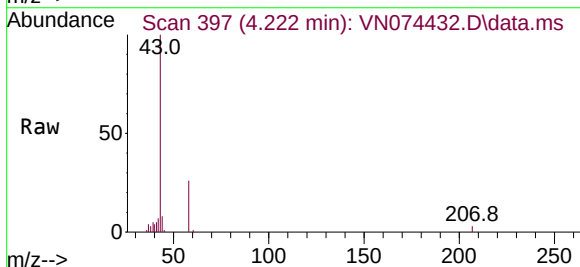
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

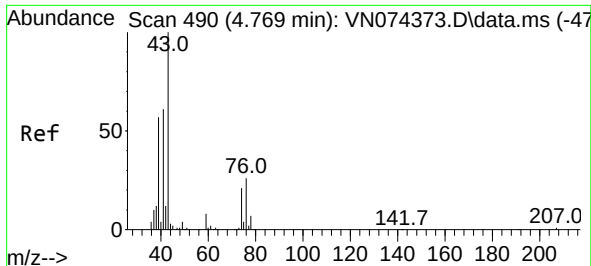
Tgt Ion: 59 Resp: 519  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.8 13.2#



#16  
Acetone  
Concen: 23.111 ug/l  
RT: 4.222 min Scan# 397  
Delta R.T. 0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 43 Resp: 55024  
Ion Ratio Lower Upper  
43 100  
58 24.9 22.7 34.1

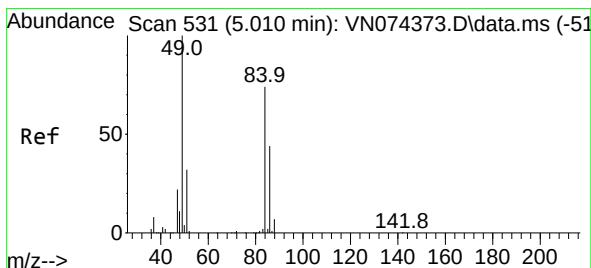
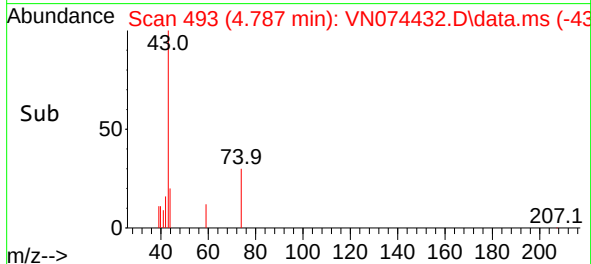
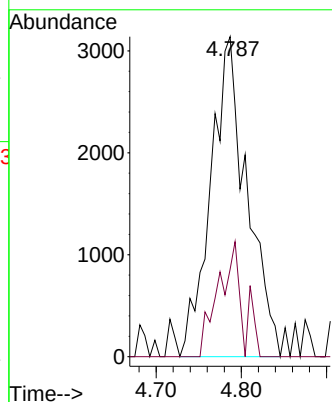
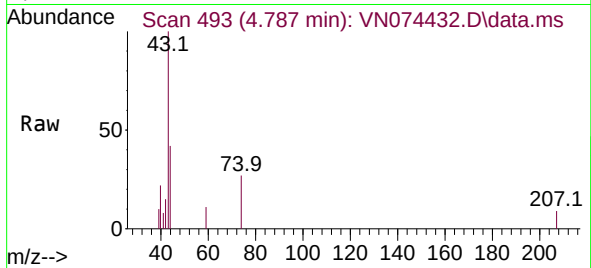




#18  
Methyl Acetate  
Concen: 1.324 ug/l  
RT: 4.787 min Scan# 493  
Delta R.T. 0.018 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

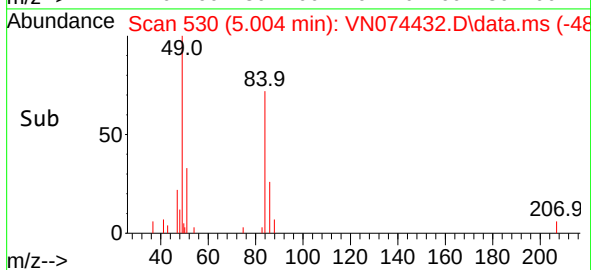
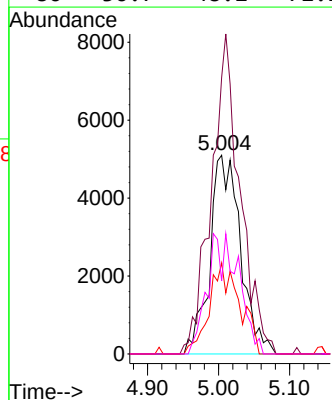
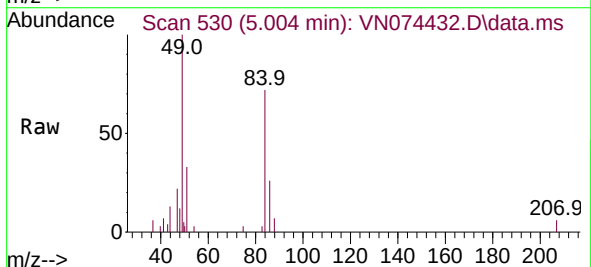
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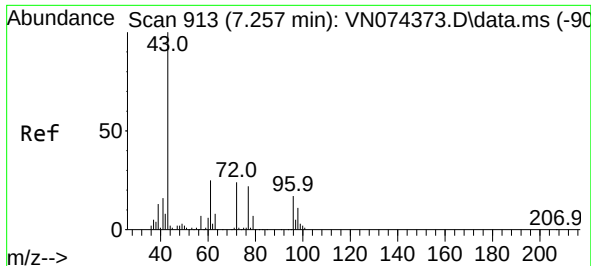
Tgt Ion: 43 Resp: 9290  
Ion Ratio Lower Upper  
43 100  
74 20.3 16.7 25.1



#20  
Methylene Chloride  
Concen: 2.959 ug/l  
RT: 5.004 min Scan# 530  
Delta R.T. -0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 84 Resp: 15284  
Ion Ratio Lower Upper  
84 100  
49 139.2 108.2 162.4  
51 45.8 34.3 51.5  
86 36.7 48.2 72.2#

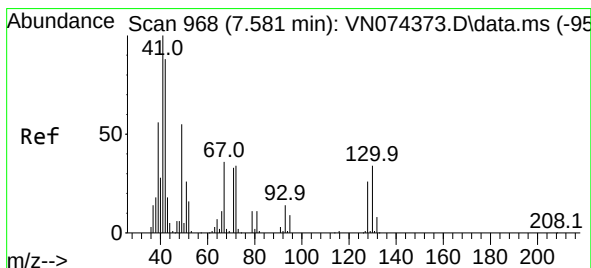
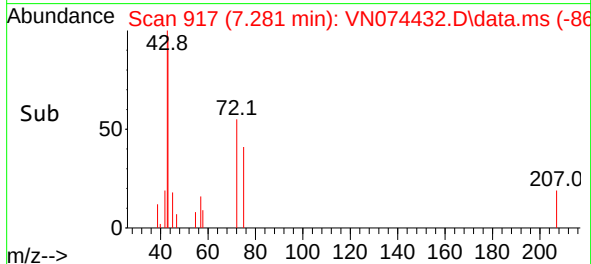
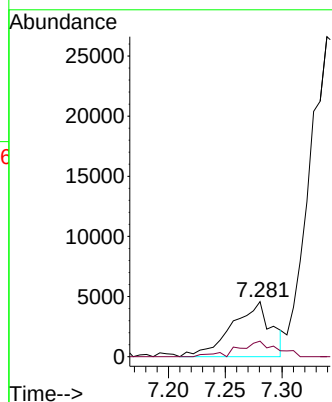
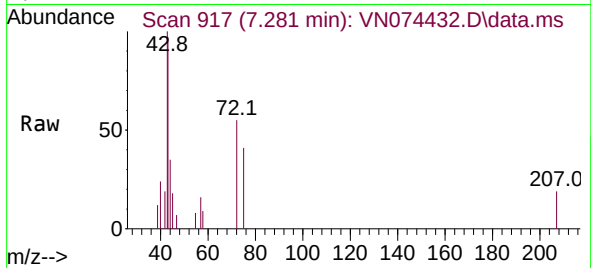




#25  
2-Butanone  
Concen: 2.746 ug/l  
RT: 7.281 min Scan# 917  
Delta R.T. 0.024 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

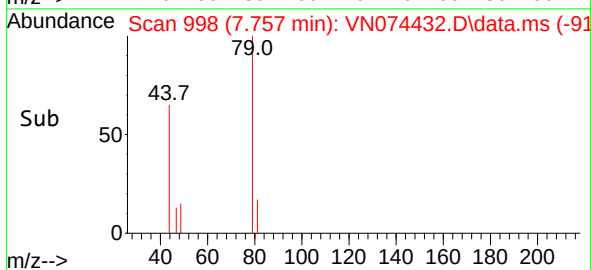
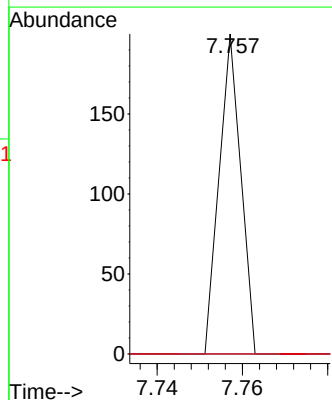
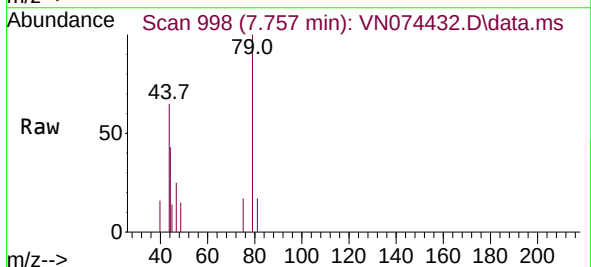
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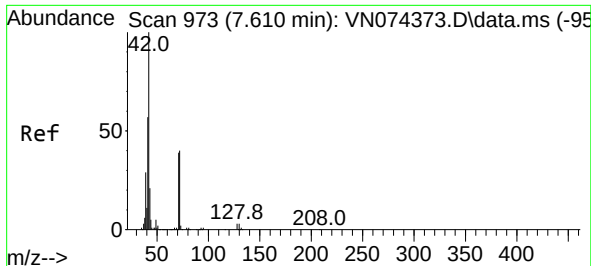
Tgt Ion: 43 Resp: 10973  
Ion Ratio Lower Upper  
43 100  
72 35.6 18.9 28.3#



#28  
Bromochloromethane  
Concen: Below Cal  
RT: 7.757 min Scan# 998  
Delta R.T. 0.176 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 49 Resp: 71  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 2.2  
130 0.0 50.0 75.0#





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0913WBSD01

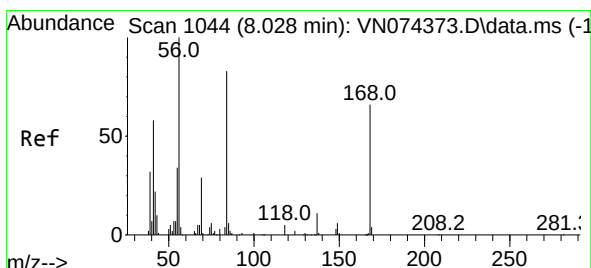
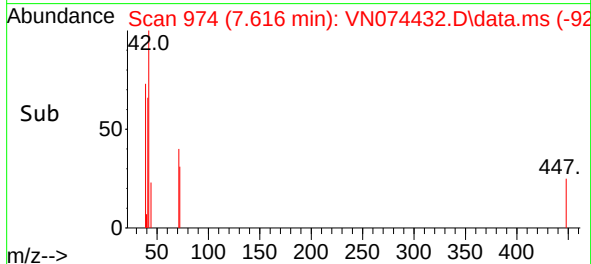
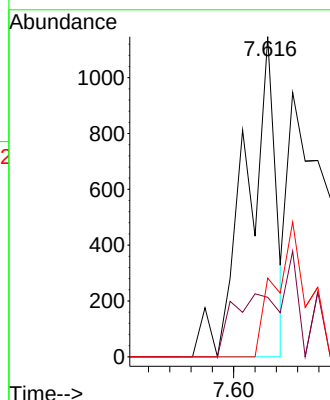
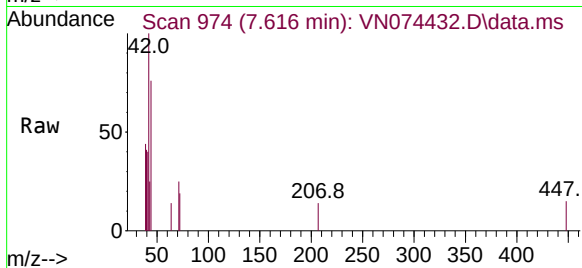
Tgt Ion: 42 Resp: 1121

Ion Ratio Lower Upper

42 100

72 30.1 32.7 49.1#

71 44.7 31.0 46.6



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

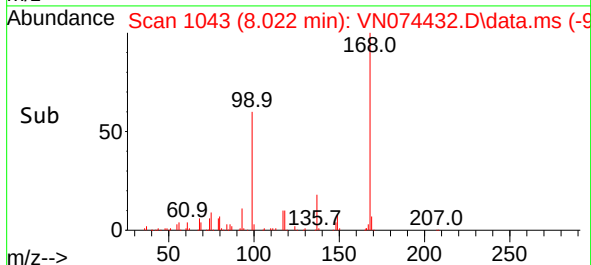
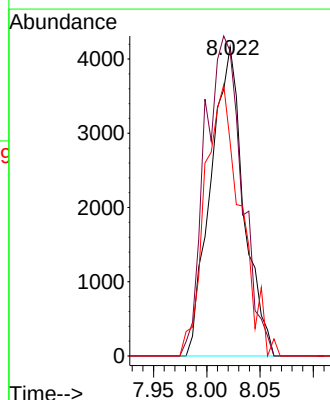
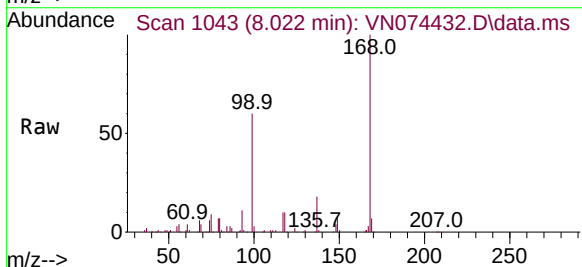
Tgt Ion: 56 Resp: 8994

Ion Ratio Lower Upper

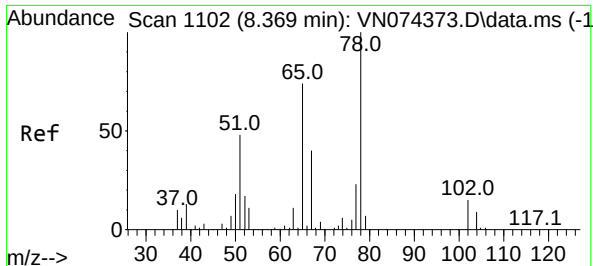
56 100

69 98.5 23.0 34.4#

84 77.0 66.3 99.5







#33

1,2-Dichloroethane-d4

Concen: 46.348 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

Instrument :

MSVOA\_N

ClientSampleId :

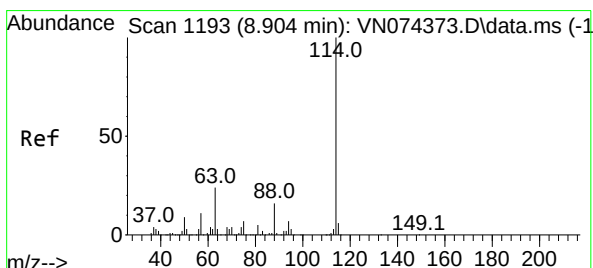
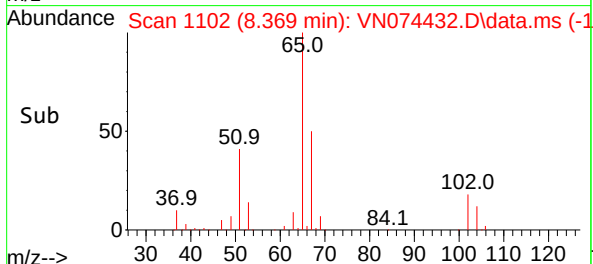
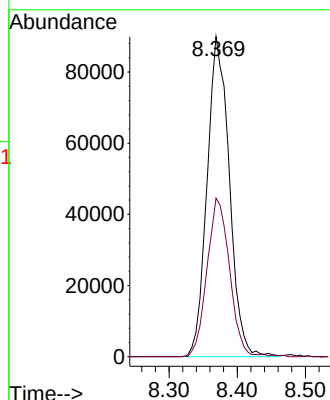
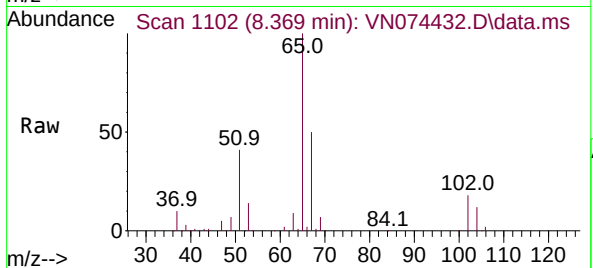
VN0913WBSD01

Tgt Ion: 65 Resp: 204399

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.910 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

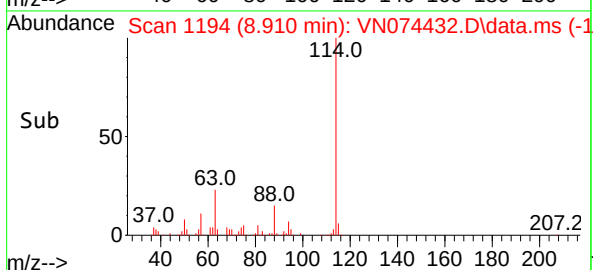
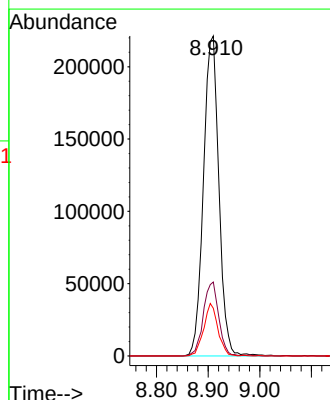
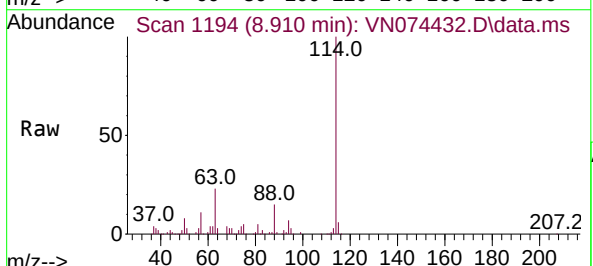
Tgt Ion: 114 Resp: 459362

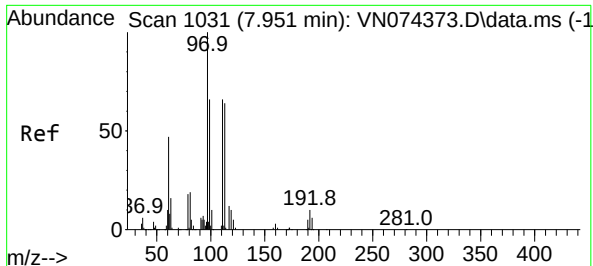
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.6

88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.306 ug/l

RT: 7.957 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

Instrument :

MSVOA\_N

ClientSampleId :

VN0913WBSD01

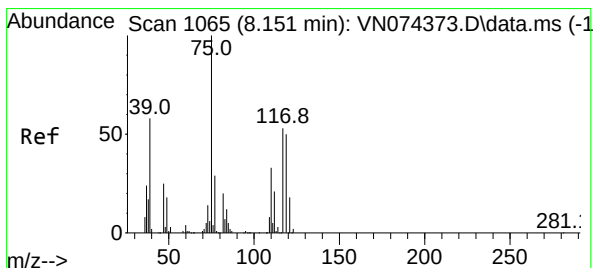
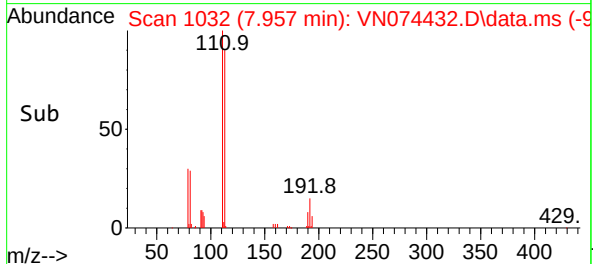
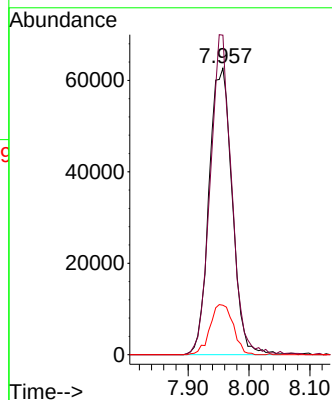
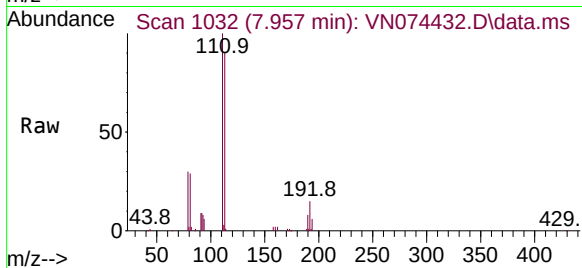
Tgt Ion:113 Resp: 165311

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

192 17.5 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

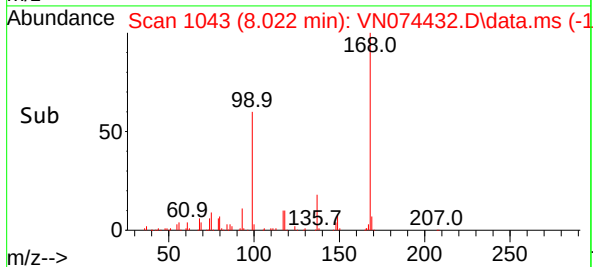
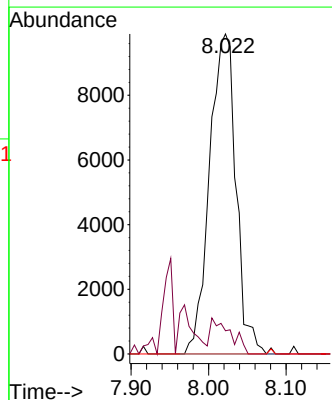
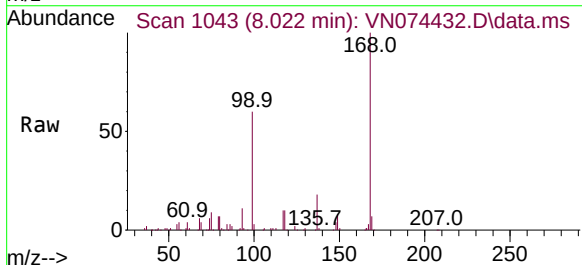
Tgt Ion: 75 Resp: 23492

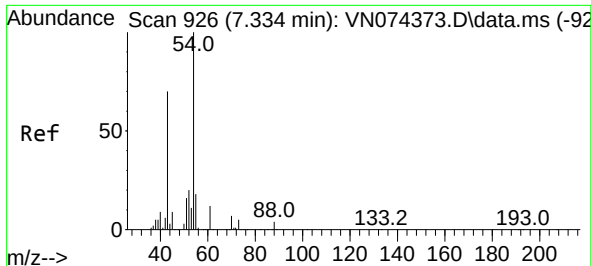
Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 25.4 38.2#

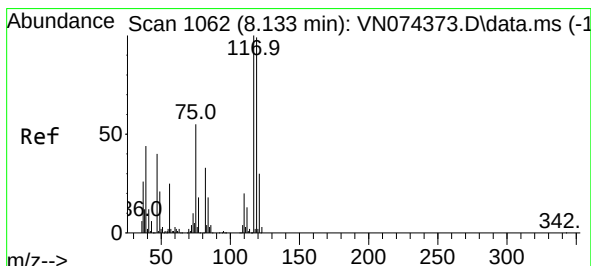
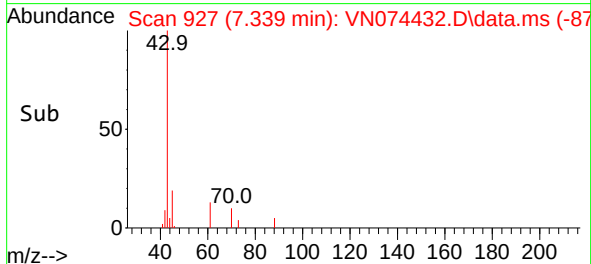
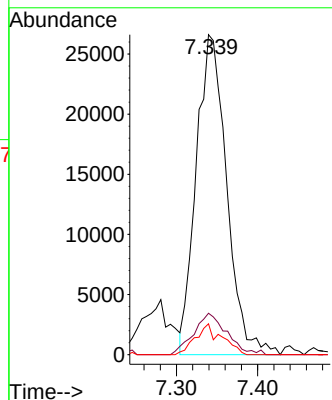
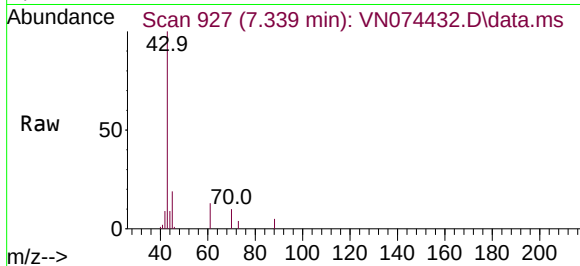




#37  
Ethyl Acetate  
Concen: 9.377 ug/l  
RT: 7.339 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

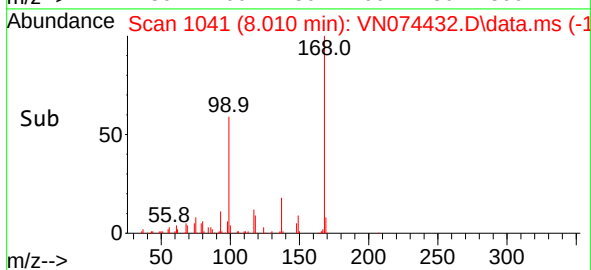
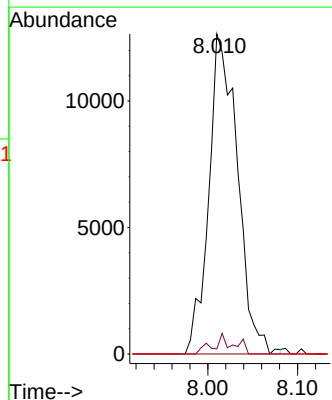
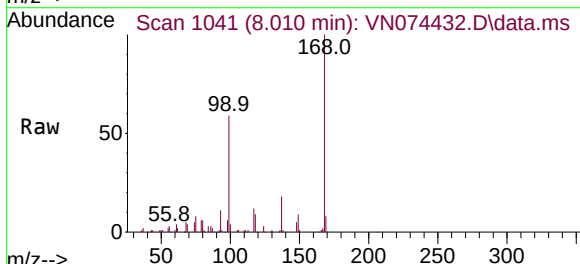
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

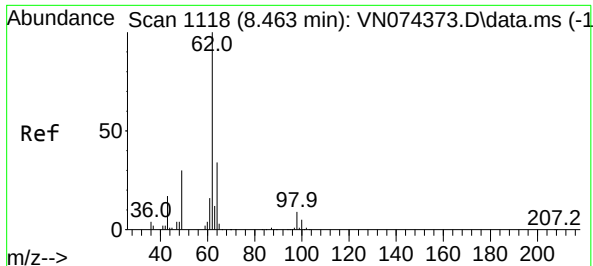
Tgt Ion: 43 Resp: 69497  
Ion Ratio Lower Upper  
43 100  
61 14.1 11.1 16.7  
70 8.3 7.2 10.8



#38  
Carbon Tetrachloride  
Concen: 5.330 ug/l  
RT: 8.010 min Scan# 1041  
Delta R.T. -0.123 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 117 Resp: 28114  
Ion Ratio Lower Upper  
117 100  
119 1.6 78.8 118.2#  
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.306 ug/l

RT: 8.486 min Scan# 1112

Delta R.T. 0.024 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

Instrument :

MSVOA\_N

ClientSampleId :

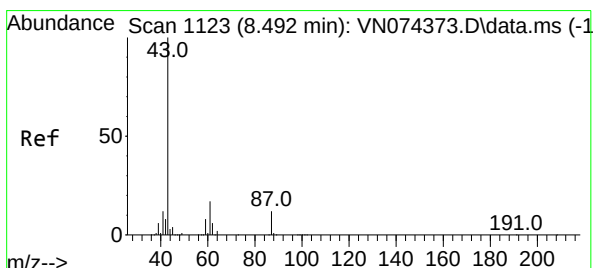
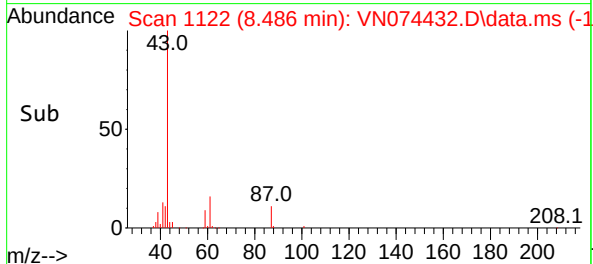
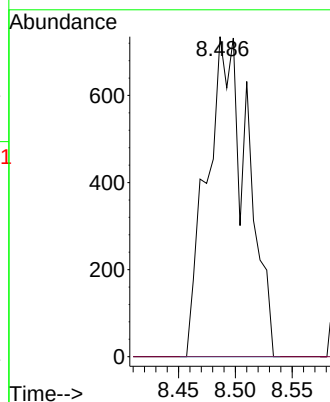
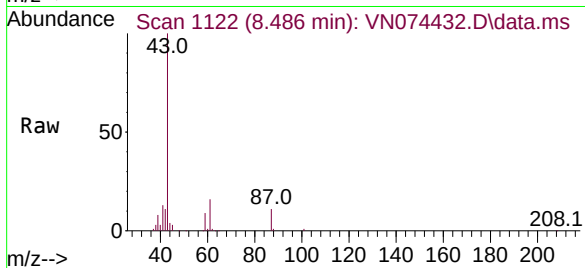
VN0913WBSD01

Tgt Ion: 62 Resp: 1831

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#43

Isopropyl Acetate

Concen: 22.690 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

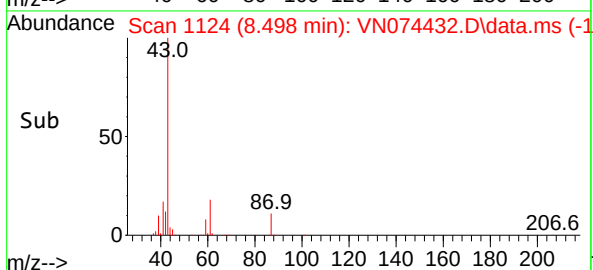
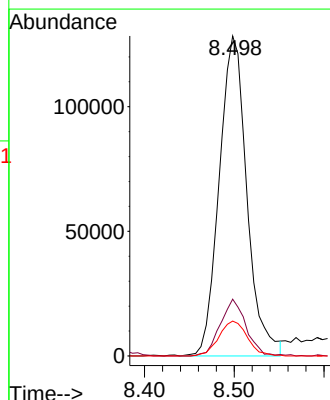
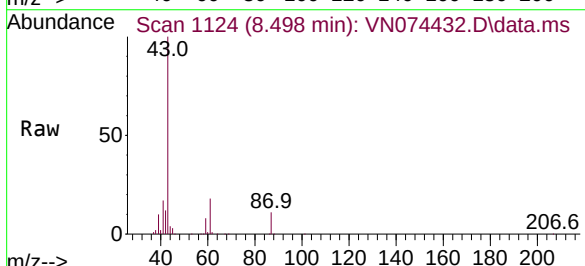
Tgt Ion: 43 Resp: 275008

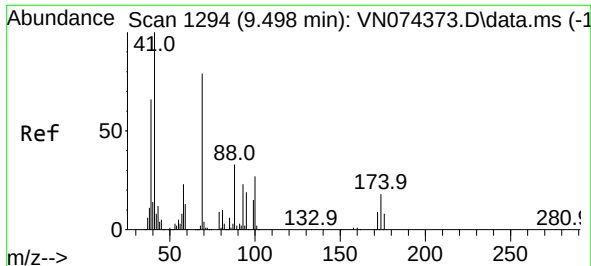
Ion Ratio Lower Upper

43 100

61 16.6 18.6 27.8#

87 11.2 9.4 14.2

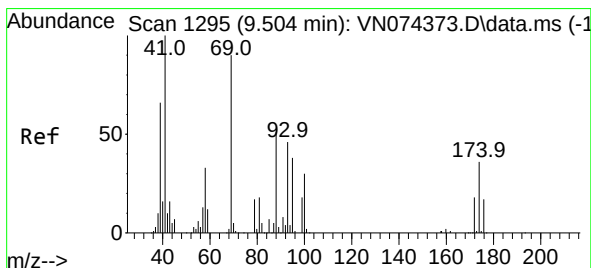
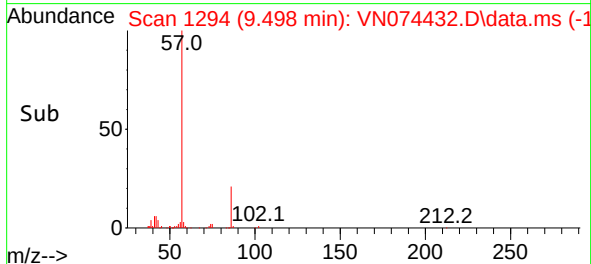
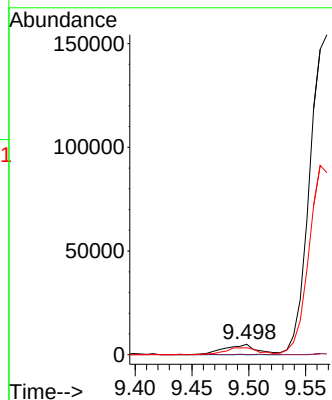
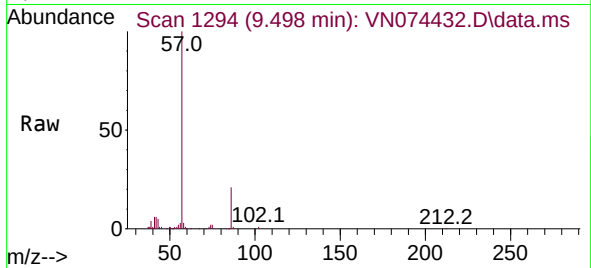




#48  
Methyl methacrylate  
Concen: 1.929 ug/l  
RT: 9.498 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

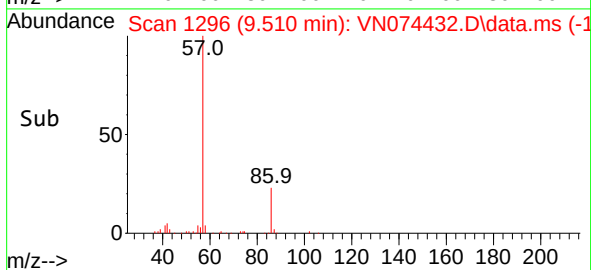
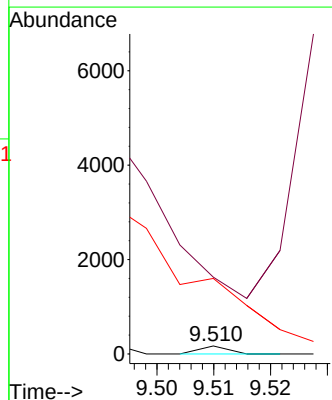
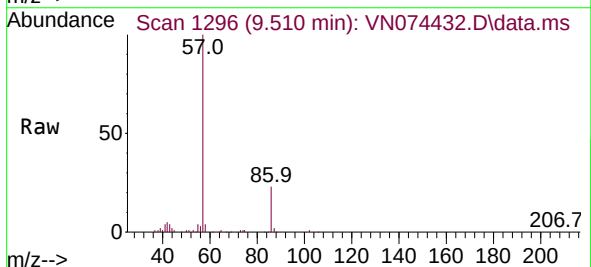
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

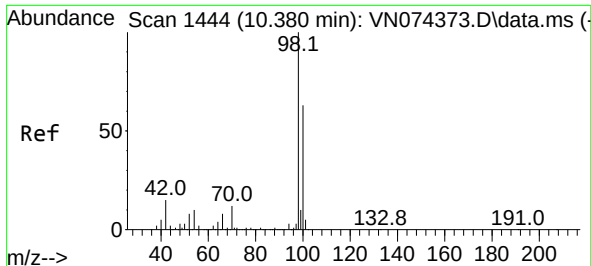
Tgt Ion: 41 Resp: 10305  
Ion Ratio Lower Upper  
41 100  
69 0.8 67.6 101.4#  
39 66.6 58.2 87.4



#49  
1,4-Dioxane  
Concen: 0.533 ug/l  
RT: 9.510 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 88 Resp: 60  
Ion Ratio Lower Upper  
88 100  
43 0.0 26.9 40.3#  
58 0.0 52.7 79.1#

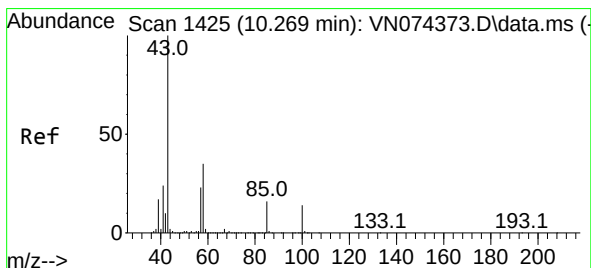
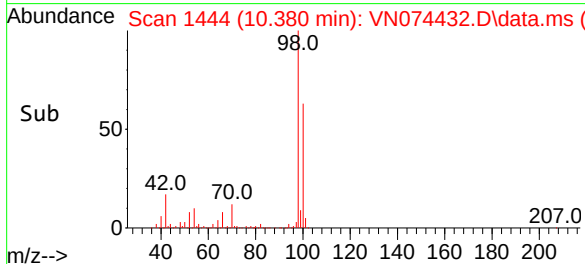
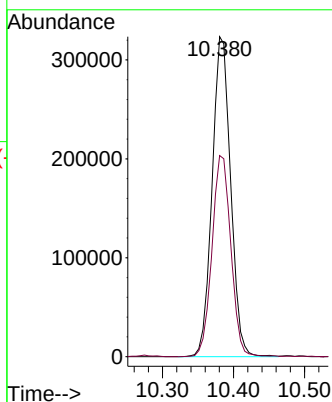
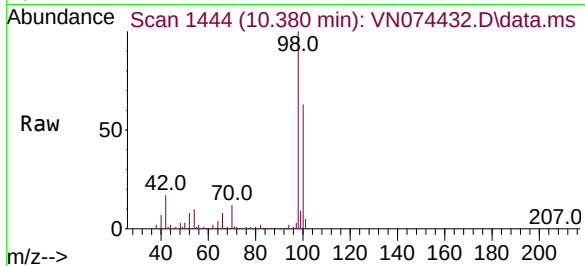




#50  
Toluene-d8  
Concen: 48.359 ug/l  
RT: 10.380 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

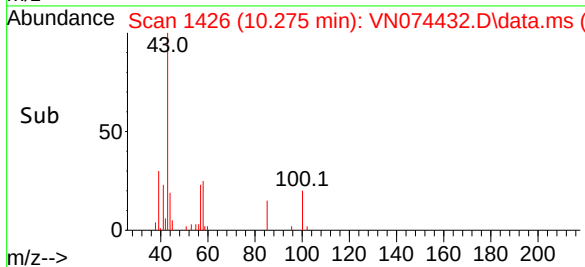
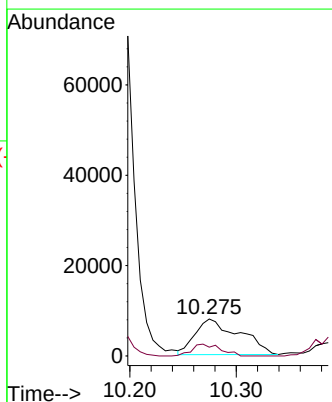
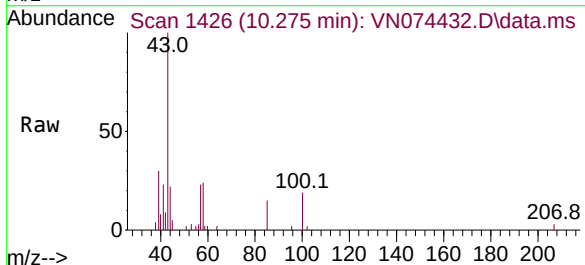
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

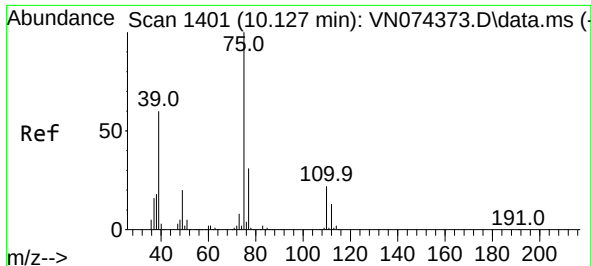
Tgt Ion: 98 Resp: 584346  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.6 76.0



#51  
4-Methyl-2-Pentanone  
Concen: 2.876 ug/l  
RT: 10.275 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 43 Resp: 22794  
Ion Ratio Lower Upper  
43 100  
58 21.6 29.0 43.6#

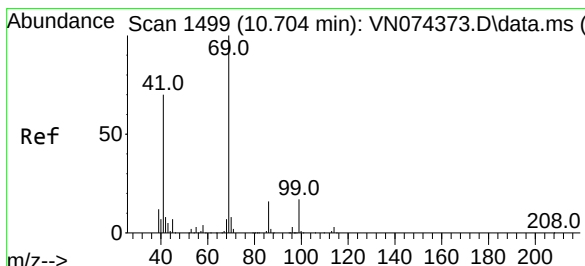
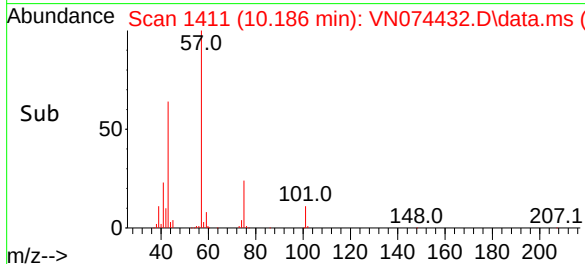
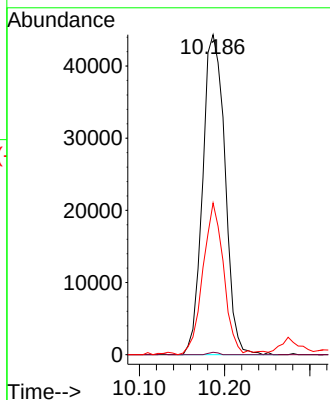
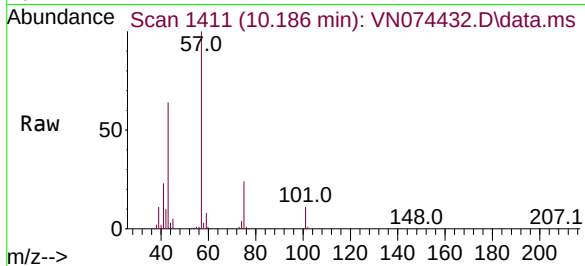




#54  
 cis-1,3-Dichloropropene  
 Concen: 12.076 ug/l  
 RT: 10.186 min Scan# 1401  
 Delta R.T. 0.059 min  
 Lab File: VN074432.D  
 Acq: 13 Sep 2022 01:49

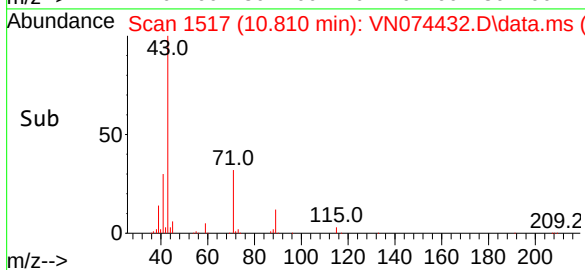
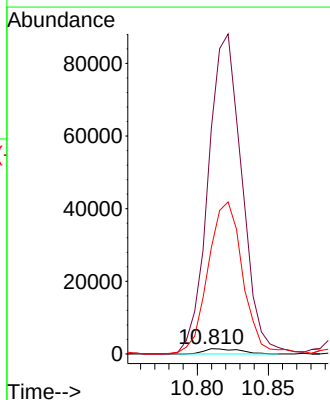
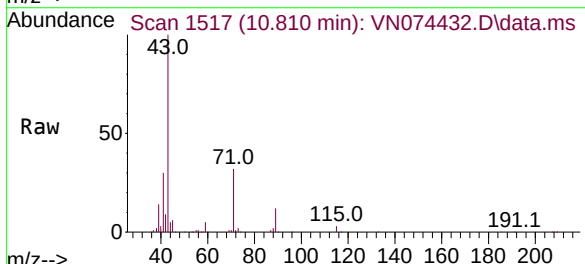
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0913WBSD01

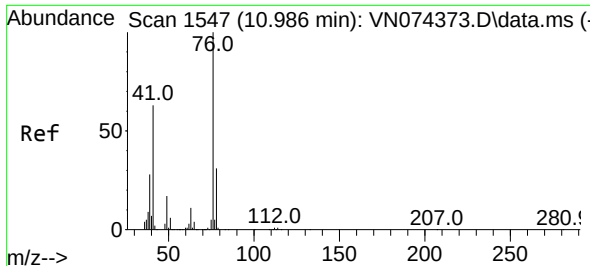
Tgt Ion: 75 Resp: 80487  
 Ion Ratio Lower Upper  
 75 100  
 77 0.8 24.5 36.7#  
 39 46.4 48.0 72.0#



#56  
 Ethyl methacrylate  
 Concen: 0.374 ug/l  
 RT: 10.810 min Scan# 1517  
 Delta R.T. 0.106 min  
 Lab File: VN074432.D  
 Acq: 13 Sep 2022 01:49

Tgt Ion: 69 Resp: 2536  
 Ion Ratio Lower Upper  
 69 100  
 41 5743.3 56.6 85.0#  
 39 2819.5 37.4 56.2#





#57

1,3-Dichloropropane

Concen: 1.475 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074432.D

Acq: 13 Sep 2022 01:49

Instrument :

MSVOA\_N

ClientSampleId :

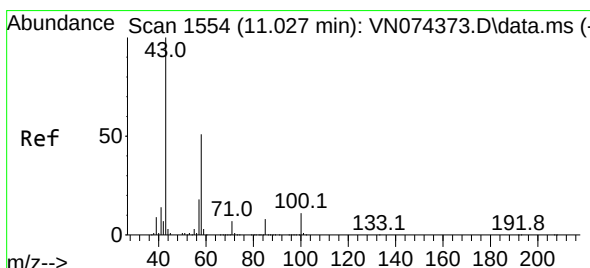
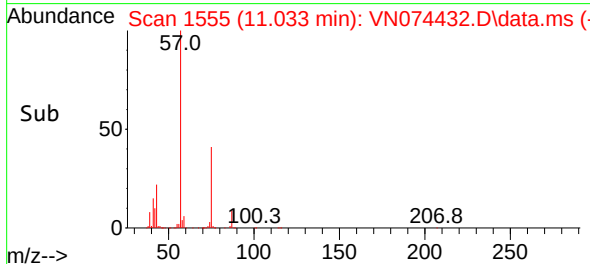
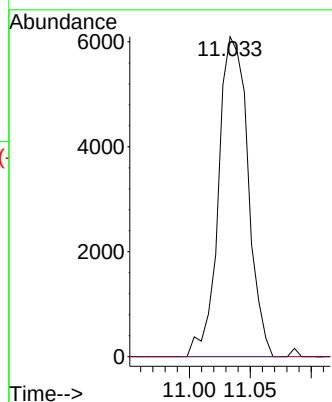
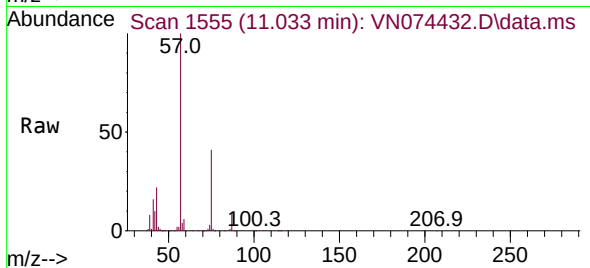
VN0913WBSD01

Tgt Ion: 76 Resp: 10279

Ion Ratio Lower Upper

76 100

78 0.0 25.0 37.4#



#59

2-Hexanone

Concen: 26.886 ug/l

RT: 11.039 min Scan# 1556

Delta R.T. 0.012 min

Lab File: VN074432.D

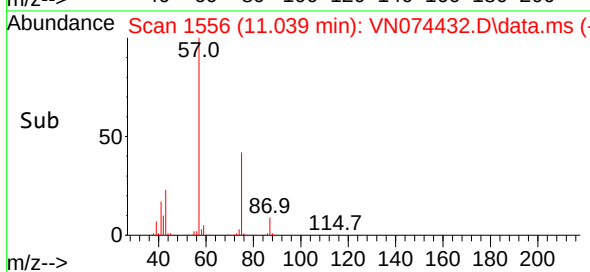
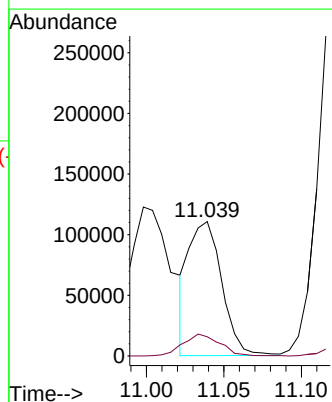
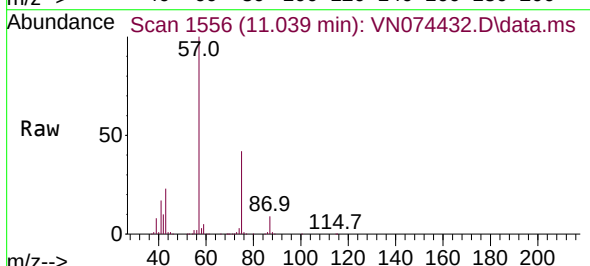
Acq: 13 Sep 2022 01:49

Tgt Ion: 43 Resp: 164451

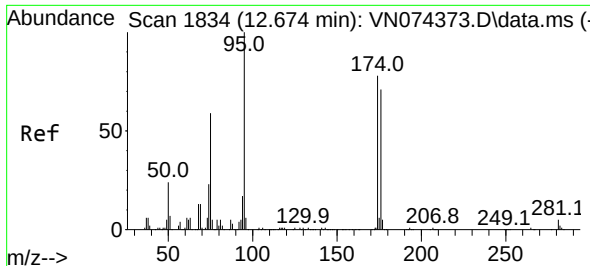
Ion Ratio Lower Upper

43 100

58 18.2 25.8 77.3#



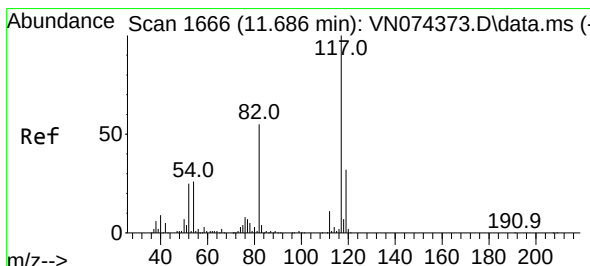
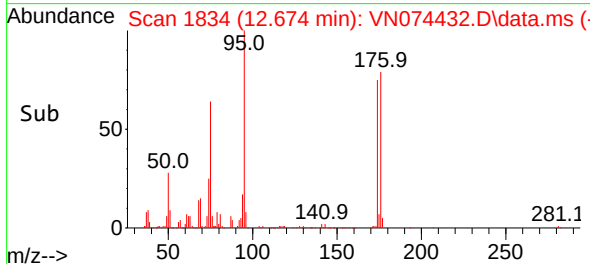
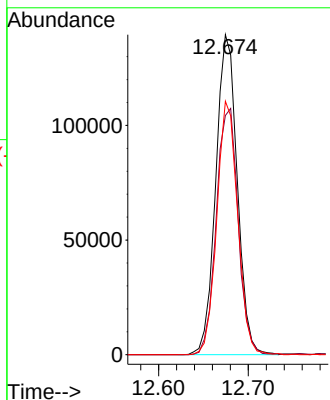
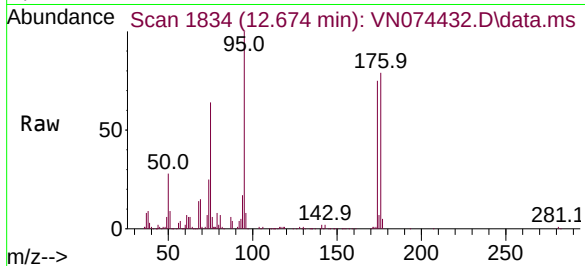




#62  
4-Bromofluorobenzene  
Concen: 52.832 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

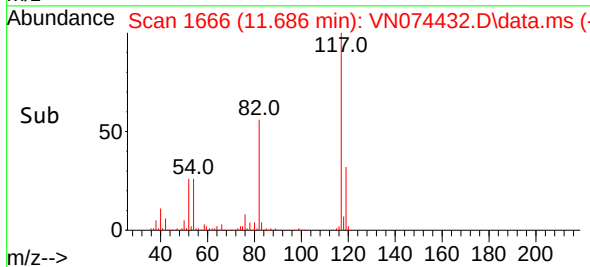
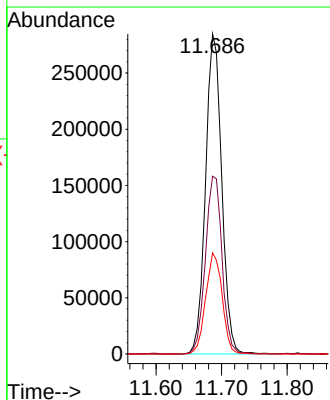
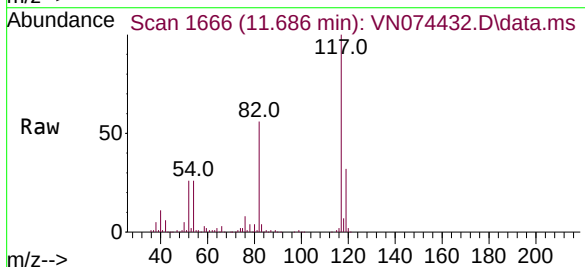
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

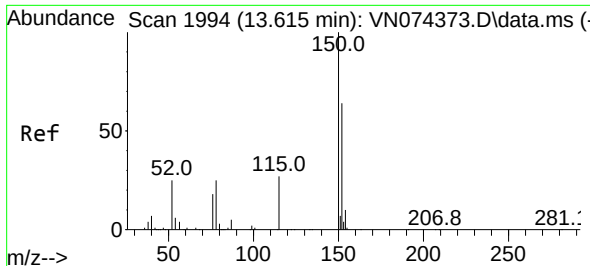
Tgt Ion: 95 Resp: 231779  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 150.6  
176 77.0 0.0 143.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.686 min Scan# 1666  
Delta R.T. 0.000 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 117 Resp: 489236  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.3 66.5  
119 31.6 25.5 38.3

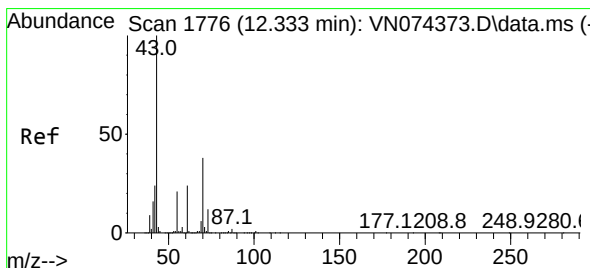
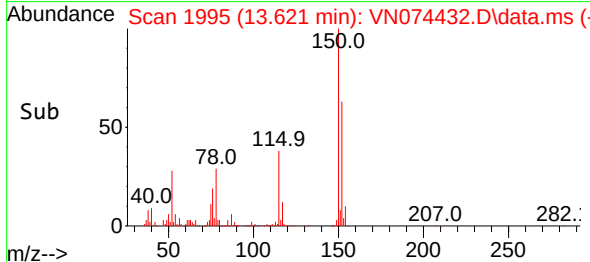
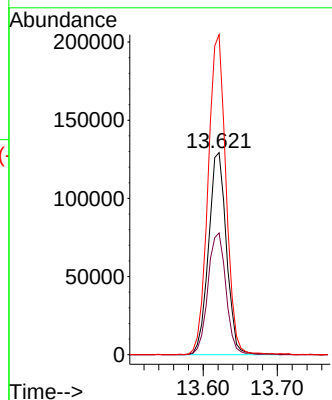
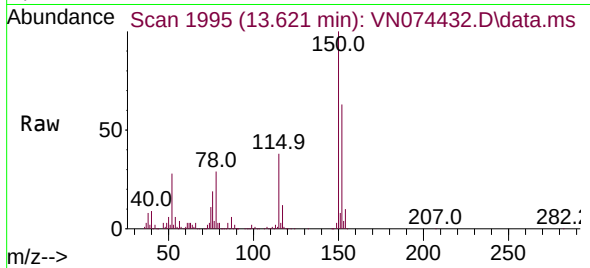




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.621 min Scan# 1994  
Delta R.T. 0.006 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

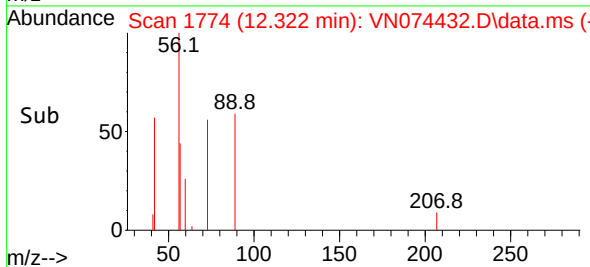
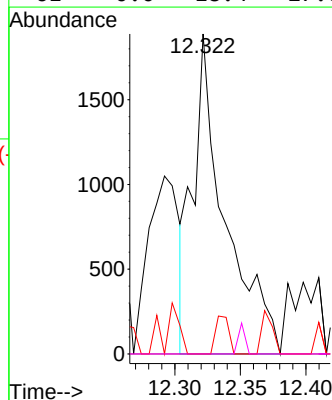
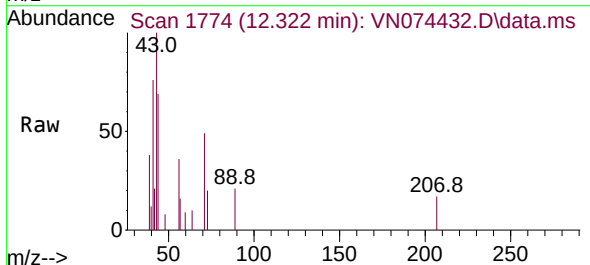
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

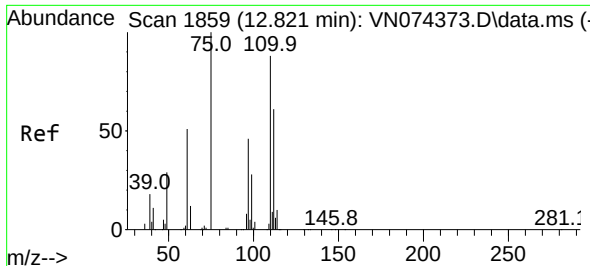
Tgt Ion:152 Resp: 216707  
Ion Ratio Lower Upper  
152 100  
115 60.7 32.0 96.0  
150 158.3 0.0 359.6



#74  
N-ethyl acetate  
Concen: Below Cal  
RT: 12.322 min Scan# 1774  
Delta R.T. -0.011 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 43 Resp: 3194  
Ion Ratio Lower Upper  
43 100  
70 0.0 31.4 47.0#  
55 4.9 17.0 25.6#  
61 0.0 18.4 27.6#

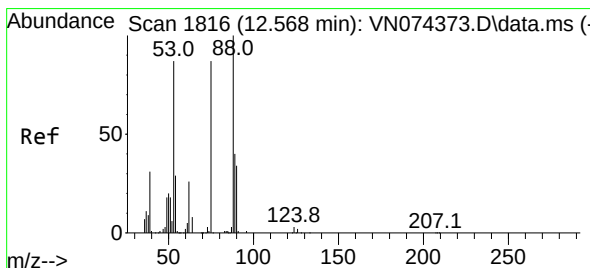
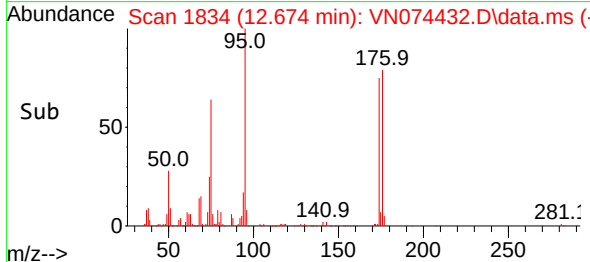
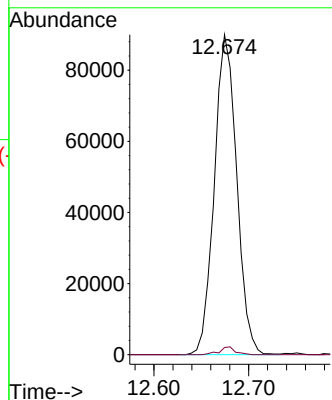
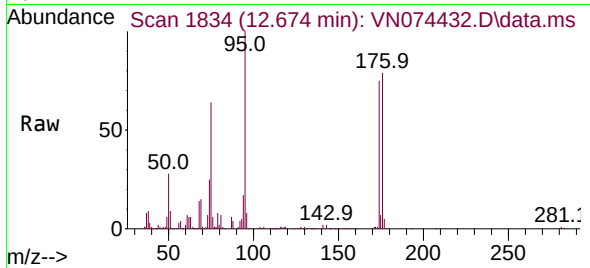




#76  
1,2,3-Trichloropropane  
Concen: 26.123 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. -0.147 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

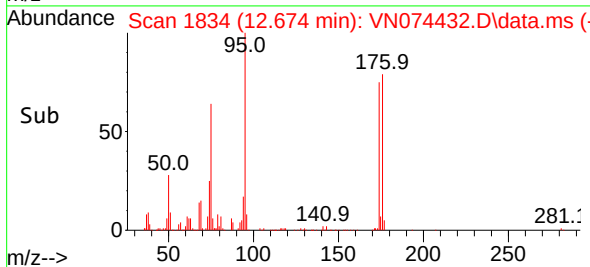
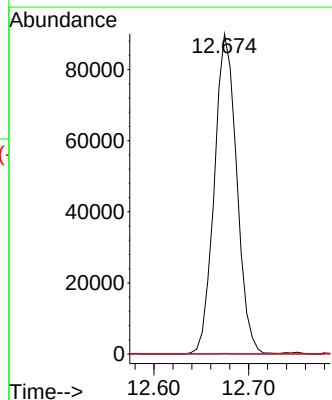
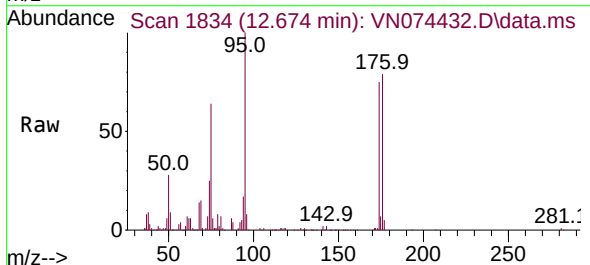
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBSD01

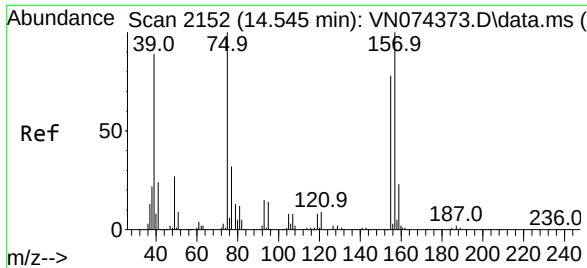
Tgt Ion: 75 Resp: 147989  
Ion Ratio Lower Upper  
75 100  
77 1.7 78.9 236.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.227 ug/l  
RT: 12.674 min Scan# 1834  
Delta R.T. 0.106 min  
Lab File: VN074432.D  
Acq: 13 Sep 2022 01:49

Tgt Ion: 75 Resp: 147989  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.2 123.2#  
89 0.0 37.7 56.5#





#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: Below Cal  
 RT: 14.551 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VN074432.D  
 Acq: 13 Sep 2022 01:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0913WBSD01

Tgt Ion: 75 Resp: 204  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 36.6 109.9#  
 157 0.0 46.2 138.5#

