

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\  
 Data File : VN064869.D  
 Acq On : 30 Nov 2020 13:44  
 Operator : JC/MD  
 Sample : VN1130WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 01 01:21:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112320W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 23 13:54:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 202371   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 322223   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 289223   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 139995   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65    | 115751   | 49.20    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 98.40% |
| 35) Dibromofluoromethane  | 7.55   | 113   | 93360    | 48.42    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 96.84% |
| 50) Toluene-d8            | 10.06  | 98    | 380960   | 48.36    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 96.72% |
| 62) 4-Bromofluorobenzene  | 12.38  | 95    | 134842   | 47.83    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 95.66% |

## Target Compounds

|                               |      |     |        |        | Qvalue   |
|-------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 29592  | 16.872 | ug/l 100 |
| 3) Chloromethane              | 2.04 | 50  | 37646  | 16.517 | ug/l 99  |
| 4) Vinyl Chloride             | 2.16 | 62  | 41195  | 17.336 | ug/l 97  |
| 5) Bromomethane               | 2.53 | 94  | 25324  | 16.244 | ug/l 95  |
| 6) Chloroethane               | 2.67 | 64  | 26003  | 17.693 | ug/l 98  |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 58106  | 17.690 | ug/l 97  |
| 8) Diethyl Ether              | 3.37 | 74  | 23215  | 17.905 | ug/l 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 34345  | 17.430 | ug/l 97  |
| 10) Methyl Iodide             | 3.91 | 142 | 40845  | 15.981 | ug/l 98  |
| 11) Tert butyl alcohol        | 4.75 | 59  | 32439  | 88.412 | ug/l 100 |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 34017  | 17.334 | ug/l 97  |
| 13) Acrolein                  | 3.56 | 56  | 20518  | 91.552 | ug/l 98  |
| 14) Allyl chloride            | 4.28 | 41  | 56625  | 17.495 | ug/l 99  |
| 15) Acrylonitrile             | 4.94 | 53  | 91785  | 90.554 | ug/l 98  |
| 16) Acetone                   | 3.78 | 43  | 72289  | 93.469 | ug/l 97  |
| 17) Carbon Disulfide          | 4.00 | 76  | 88969  | 17.562 | ug/l 100 |
| 18) Methyl Acetate            | 4.28 | 43  | 43390  | 18.660 | ug/l 99  |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 113152 | 17.978 | ug/l 100 |
| 20) Methylene Chloride        | 4.50 | 84  | 42476  | 17.527 | ug/l 96  |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 37442  | 17.181 | ug/l 95  |
| 22) Diisopropyl ether         | 5.91 | 45  | 123441 | 19.054 | ug/l 98  |
| 23) Vinyl Acetate             | 5.85 | 43  | 471493 | 91.011 | ug/l 98  |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 70974  | 18.331 | ug/l 99  |
| 25) 2-Butanone                | 6.79 | 43  | 117636 | 93.830 | ug/l 98  |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 57639  | 17.165 | ug/l 76  |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 43075  | 17.566 | ug/l 99  |
| 28) Bromochloromethane        | 7.15 | 49  | 32658  | 18.438 | ug/l 95  |
| 29) Tetrahydrofuran           | 7.17 | 42  | 76230  | 88.083 | ug/l 97  |
| 30) Chloroform                | 7.33 | 83  | 71882  | 18.003 | ug/l 99  |
| 31) Cyclohexane               | 7.61 | 56  | 56523  | 17.237 | ug/l 95  |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 61500  | 17.934 | ug/l 99  |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 52017  | 17.416 | ug/l 99  |
| 37) Ethyl Acetate             | 6.89 | 43  | 49318  | 17.142 | ug/l 99  |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 54372  | 17.496 | ug/l 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 57178    | 17.784  | ug/l   | 97       |
| 40) Benzene                    | 8.00  | 78   | 162075   | 17.709  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.12  | 41   | 17386    | 13.097  | ug/l # | 83       |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 52944    | 17.148  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 79279    | 17.125  | ug/l   | 99       |
| 44) Trichloroethene            | 8.80  | 130  | 48479    | 17.953  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 43497    | 18.352  | ug/l   | 97       |
| 46) Dibromomethane             | 9.17  | 93   | 28235    | 17.832  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.37  | 83   | 57295    | 17.983  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.17  | 41   | 37736    | 17.059  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 14434    | 345.235 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 252866   | 90.983  | ug/l   | 100      |
| 52) Toluene                    | 10.13 | 92   | 100614   | 17.851  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 60710    | 17.108  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 67417    | 17.725  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 41278    | 17.810  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 57183    | 17.879  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 68375    | 17.884  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 160363   | 91.151  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 179833   | 89.908  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 45474    | 17.651  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 42597    | 18.090  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 54164    | 19.249  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 113077   | 18.206  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 41419    | 18.146  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 186941   | 18.017  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.60 | 106  | 147142   | 37.456  | ug/l   | 96       |
| 69) o-Xylene                   | 11.92 | 106  | 70110    | 18.807  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 117644   | 18.694  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 31809    | 17.448  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 183265   | 18.820  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 67317    | 17.567  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 48963    | 17.155  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 75032    | 24.887  | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 47936    | 18.260  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.57 | 91   | 207438   | 18.700  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 125949   | 18.368  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 155731   | 19.241  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 18456    | 16.778  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 129868   | 18.068  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 130499   | 19.236  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 154964   | 18.936  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 174597   | 19.383  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 160615   | 19.585  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 84326    | 18.079  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 85343    | 17.302  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 134495   | 18.675  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.85 | 117  | 25787    | 18.101  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 81006    | 17.688  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 10954    | 17.057  | ug/l   | 97       |

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Sample : VN1130WBS01  
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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Mon Nov 23 13:54:12 2020  
Response via : Initial Calibration

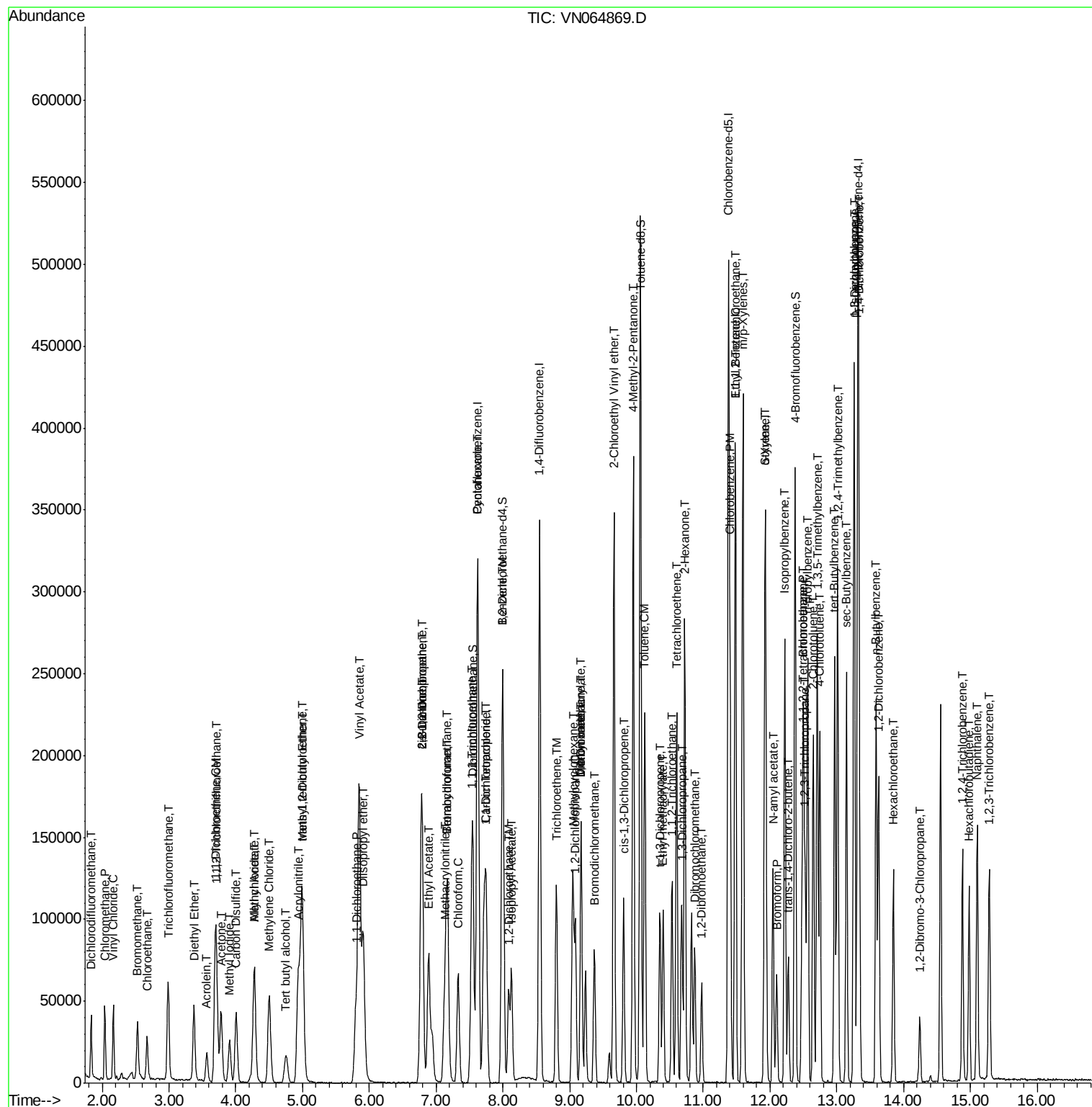
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 47082    | 16.619 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 23473    | 18.635 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 137173   | 16.162 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 45598    | 17.857 | ug/l  | 99       |

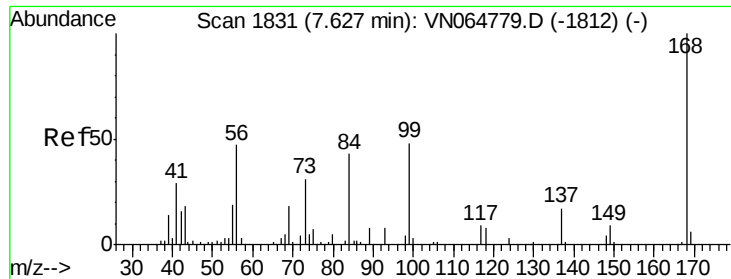
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MSVOA\_N  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

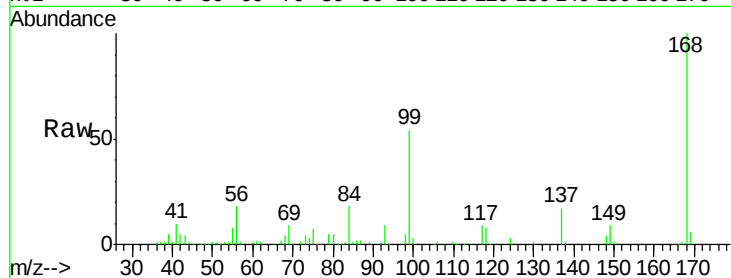
ClientSampleId :

Tot Ion:168 Resp: 202371

Ion Ratio Lower Upper

168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

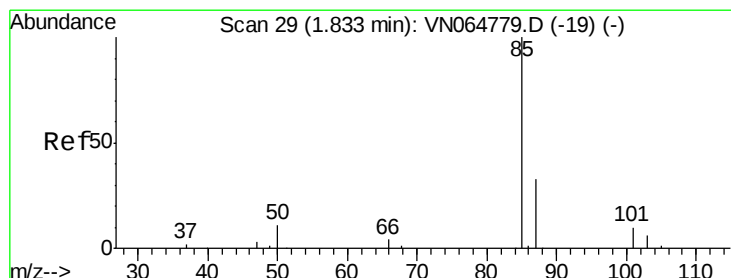
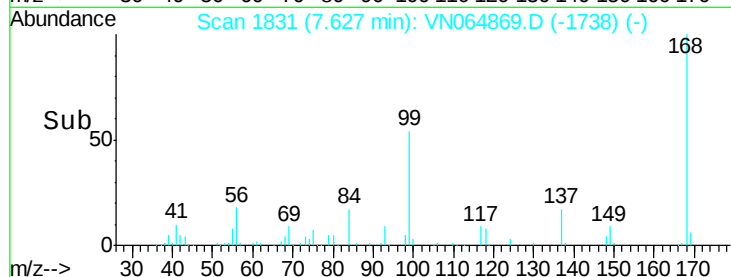
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.872 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064869.D

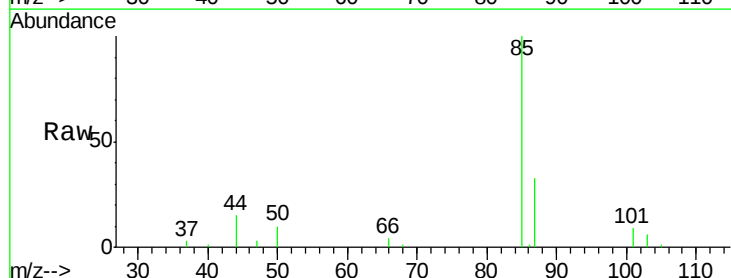
Acq: 30 Nov 2020 13:44

Tgt Ion: 85 Resp: 29592

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

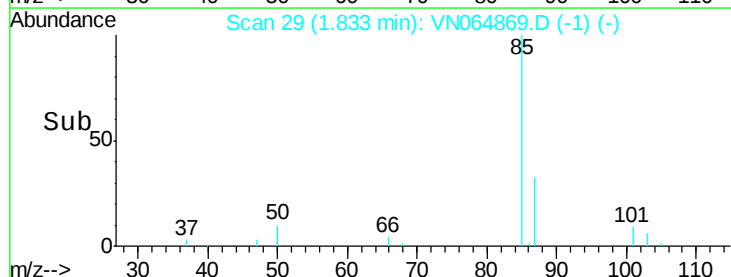
10000

5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.517 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

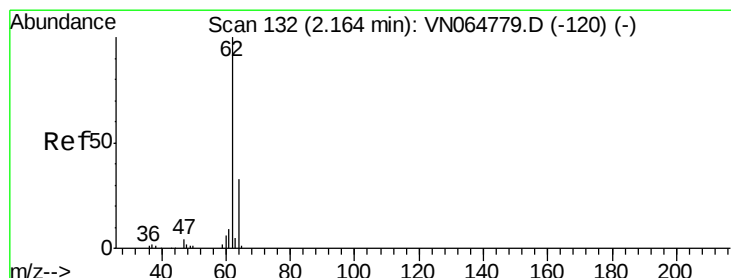
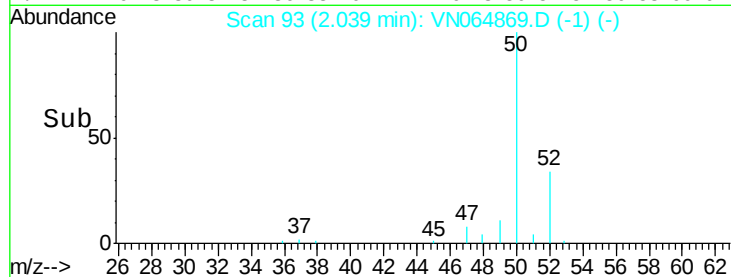
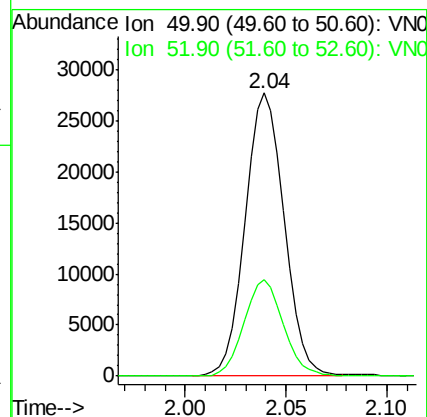
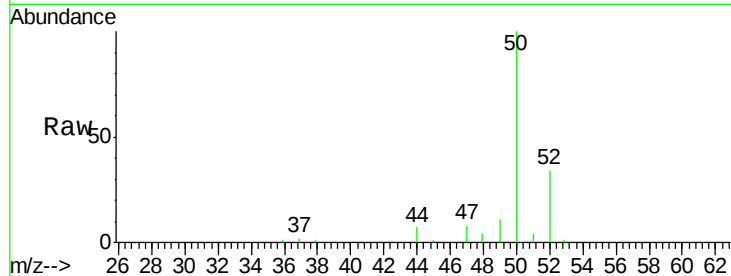
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 50 Resp: 37646

Ion Ratio Lower Upper

50 100

52 34.0 26.6 39.8



#4

Vinyl Chloride

Concen: 17.336 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064869.D

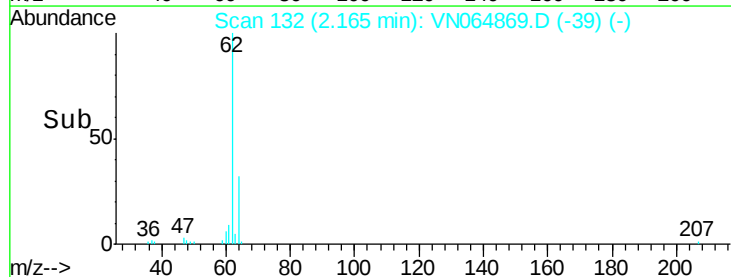
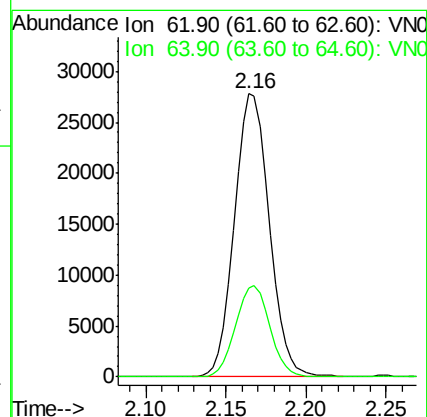
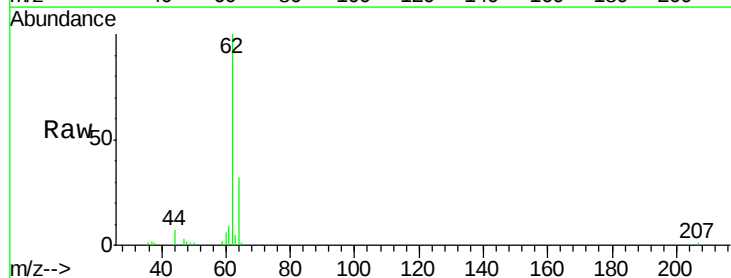
Acq: 30 Nov 2020 13:44

Tgt Ion: 62 Resp: 41195

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7





#5

Bromomethane

Concen: 16.244 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

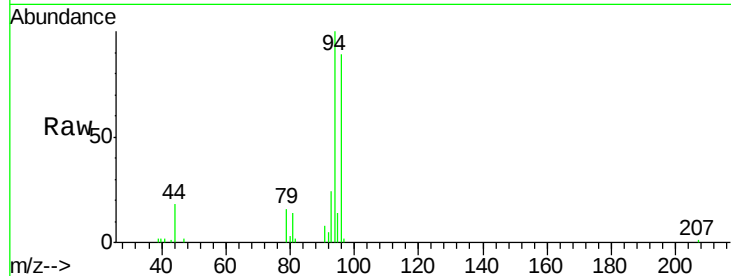
ClientSampled :

Tot Ion: 94 Resp: 25324

Ion Ratio Lower Upper

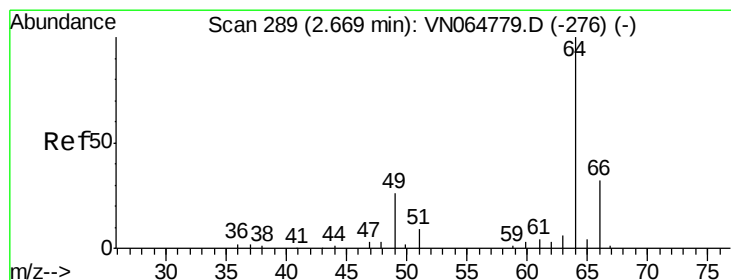
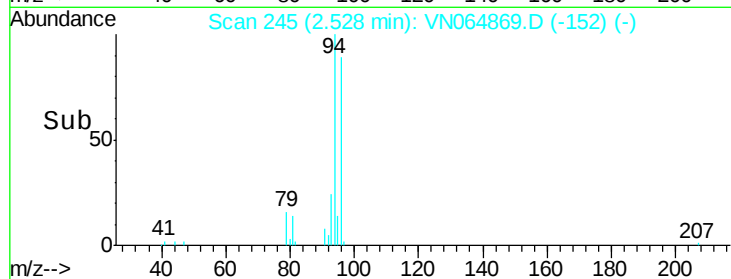
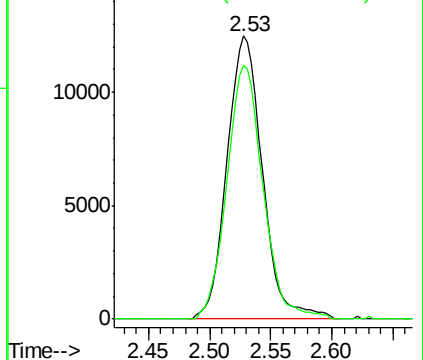
94 100

96 89.5 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.693 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064869.D

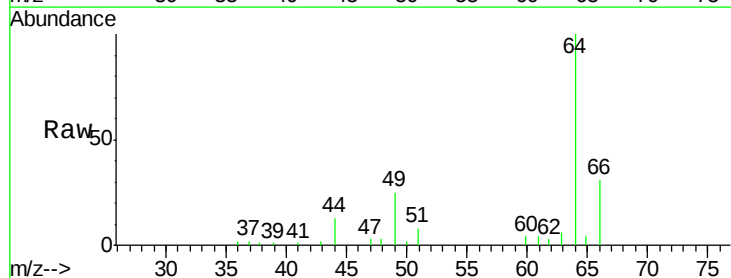
Acq: 30 Nov 2020 13:44

Tgt Ion: 64 Resp: 26003

Ion Ratio Lower Upper

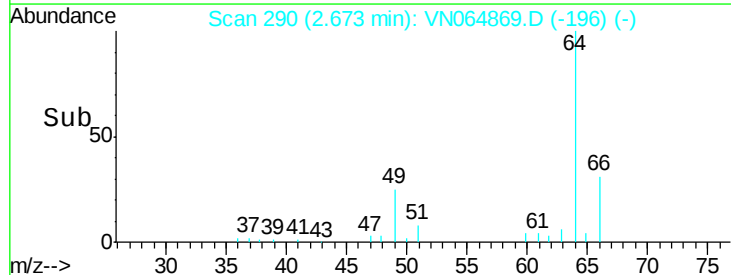
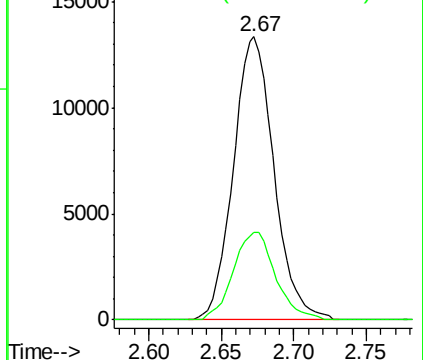
64 100

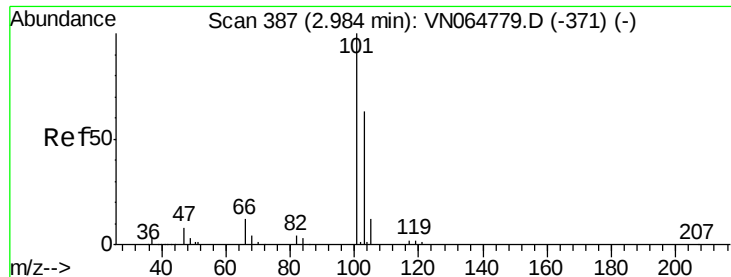
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



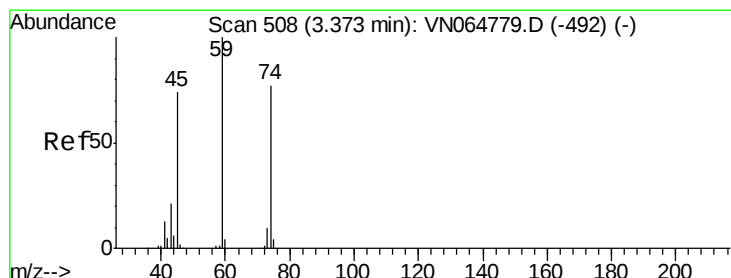
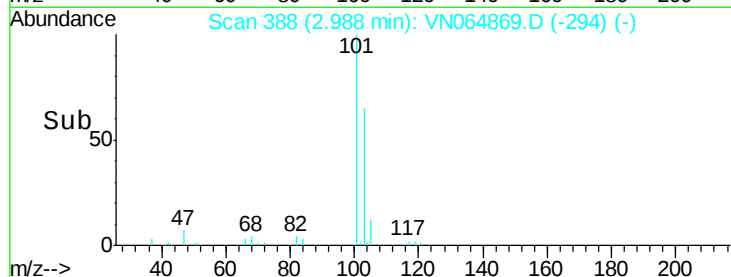
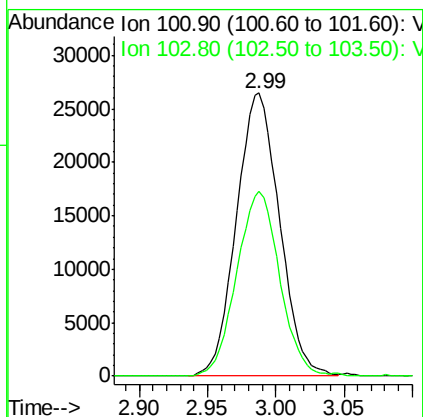
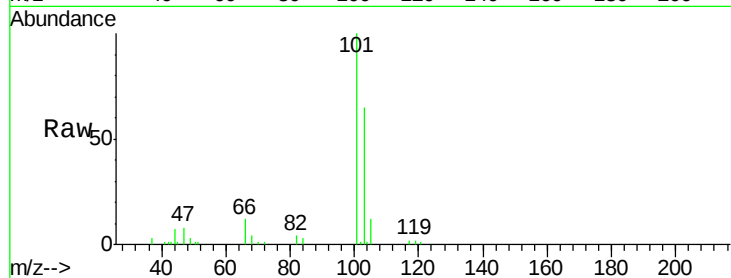


#7

Trichlorofluoromethane  
 Concen: 17.690 ug/l  
 RT: 2.99 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
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 ClientSampleId :

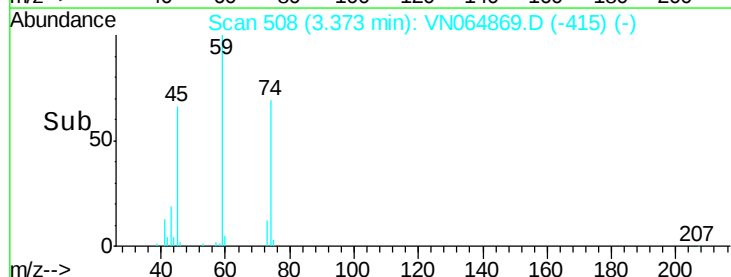
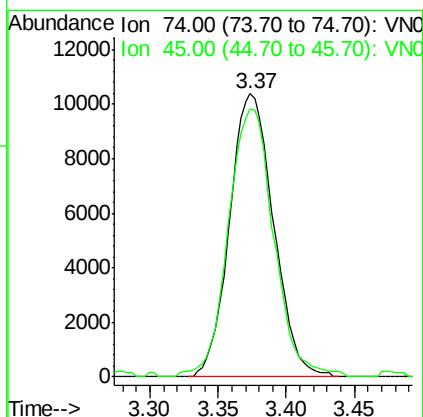
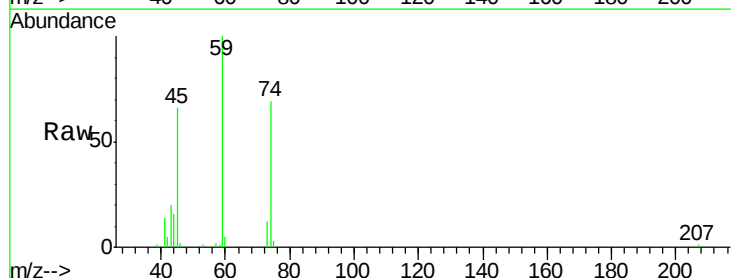
Tot Ion:101 Resp: 58106  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 50.5 75.7

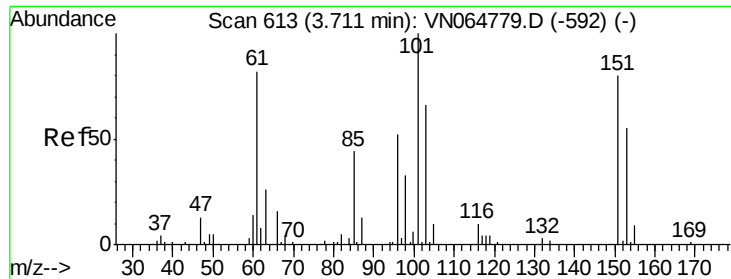


#8

Diethyl Ether  
 Concen: 17.905 ug/l  
 RT: 3.37 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 74 Resp: 23215  
 Ion Ratio Lower Upper  
 74 100  
 45 98.0 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.430 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

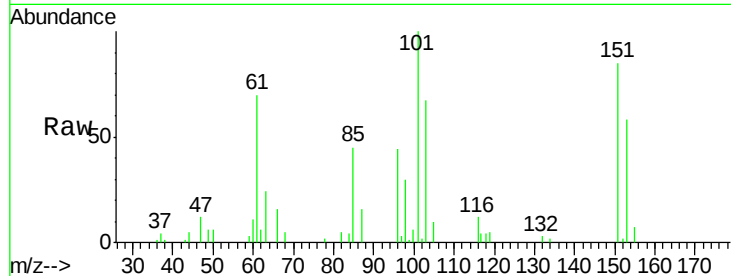
Tot Ion:101 Resp: 34345

Ion Ratio Lower Upper

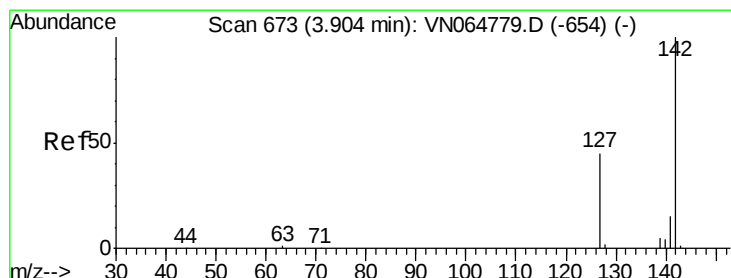
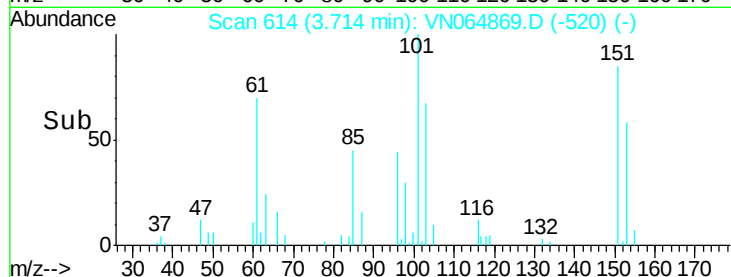
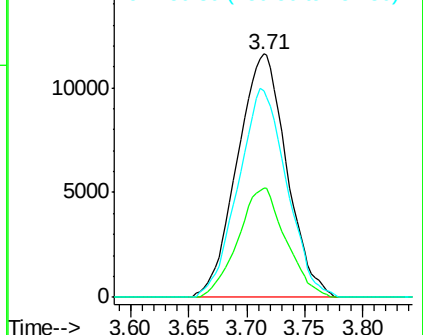
101 100

85 43.4 34.4 51.6

151 84.3 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.981 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

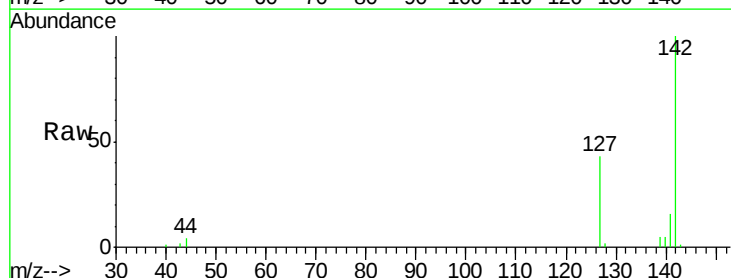
Tgt Ion:142 Resp: 40845

Ion Ratio Lower Upper

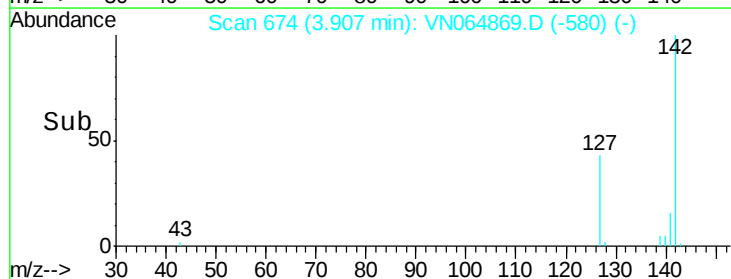
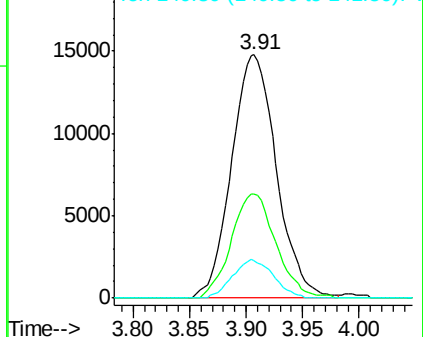
142 100

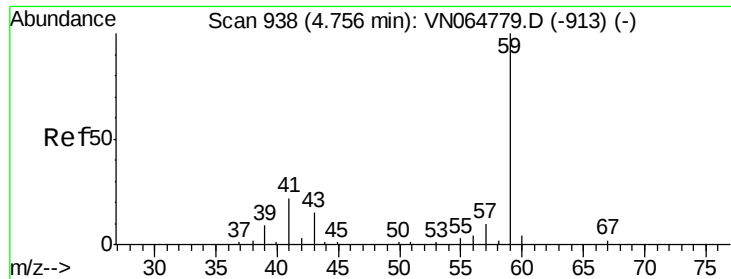
127 42.6 35.0 52.6

141 14.4 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V

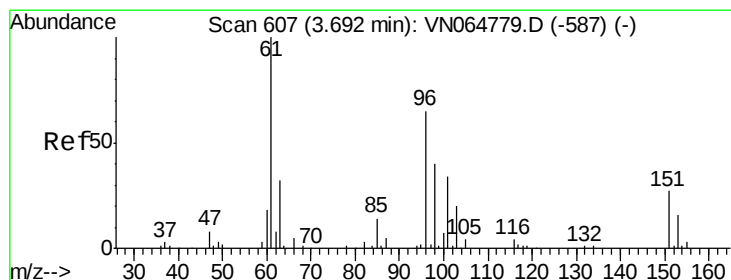
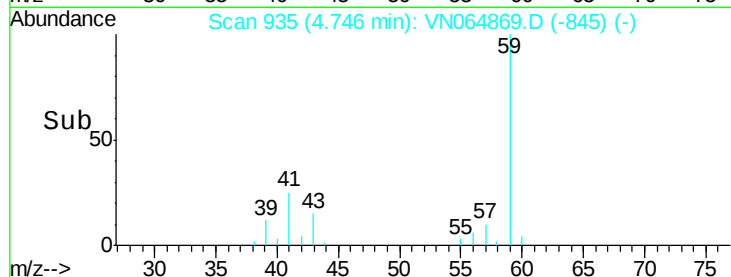
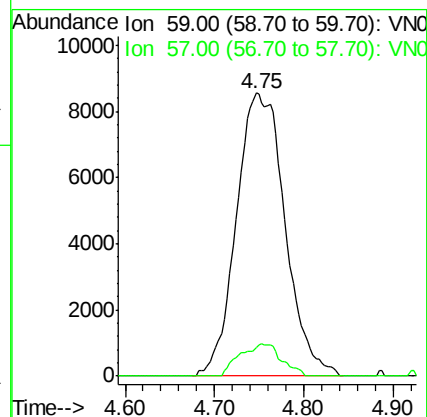
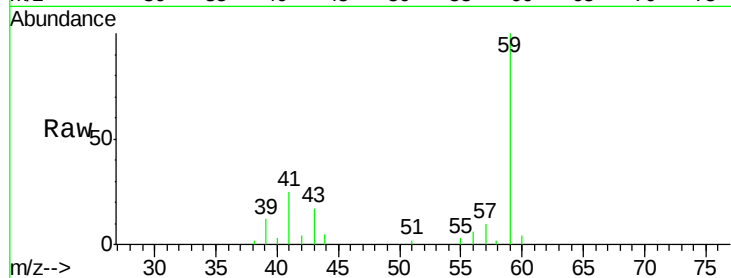




#11  
Tert butyl alcohol  
Concen: 88.412 ug/l  
RT: 4.75 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

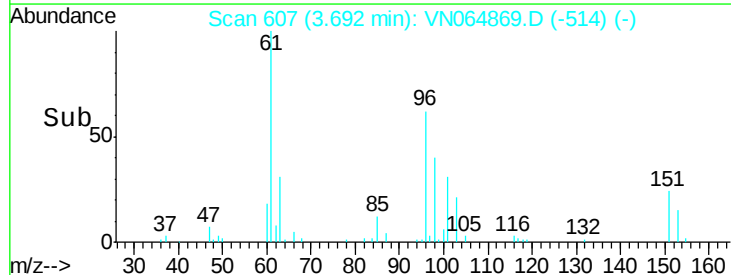
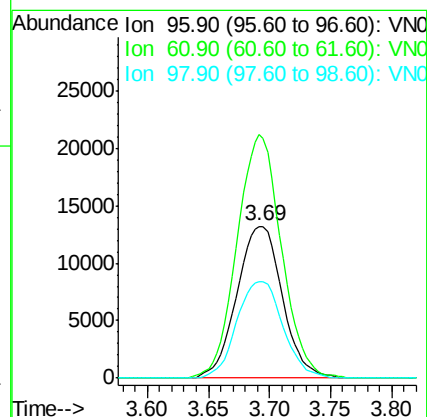
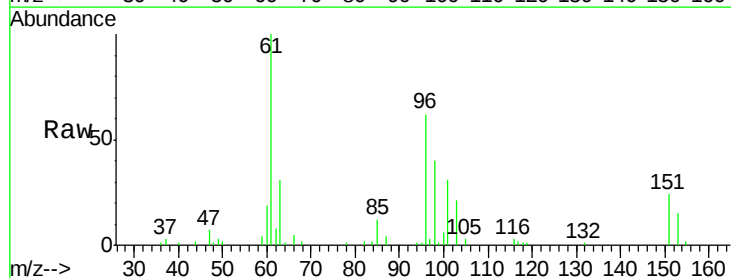
Instrument :  
MSVOA\_N  
ClientSampled :

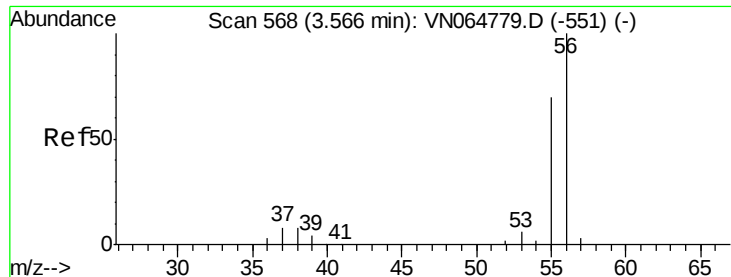
Tot Ion: 59 Resp: 32439  
Ion Ratio Lower Upper  
59 100  
57 9.8 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 17.334 ug/l  
RT: 3.69 min Scan# 607  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 96 Resp: 34017  
Ion Ratio Lower Upper  
96 100  
61 159.5 123.4 185.2  
98 63.8 49.8 74.8





#13

Acrolein

Concen: 91.552 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

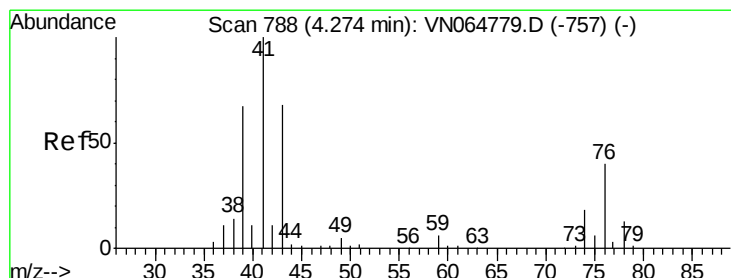
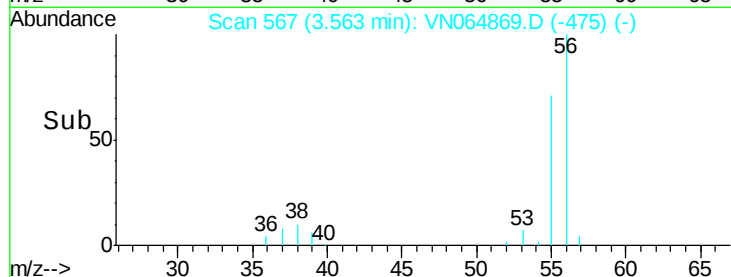
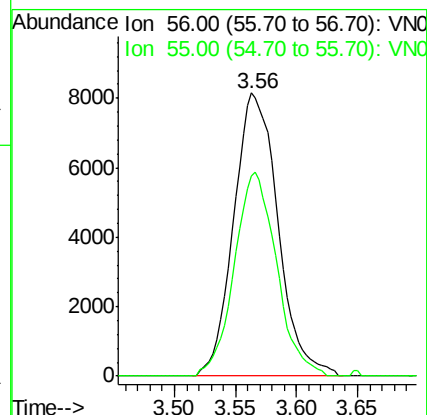
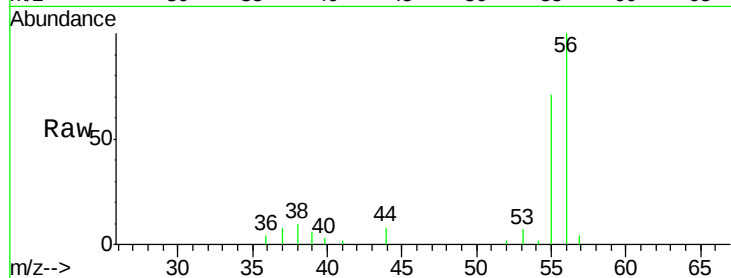
ClientSampleId :

Tot Ion: 56 Resp: 20518

Ion Ratio Lower Upper

56 100

55 68.6 56.5 84.7



#14

Allyl chloride

Concen: 17.495 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

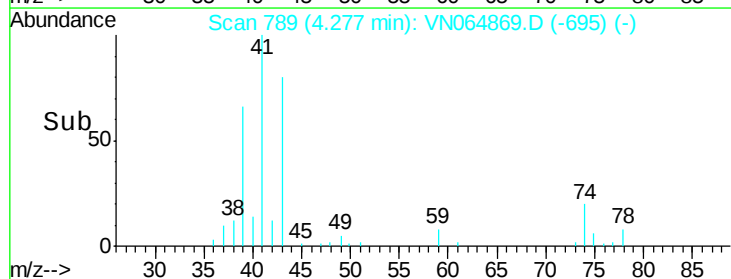
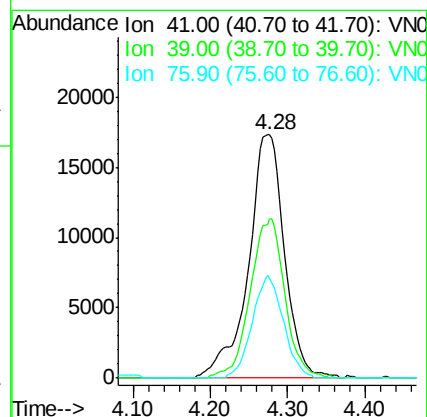
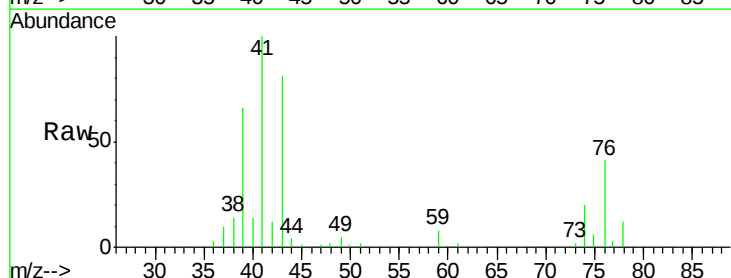
Tgt Ion: 41 Resp: 56625

Ion Ratio Lower Upper

41 100

39 62.5 50.9 76.3

76 36.0 29.0 43.4





#15

Acrylonitrile

Concen: 90.554 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampleId :

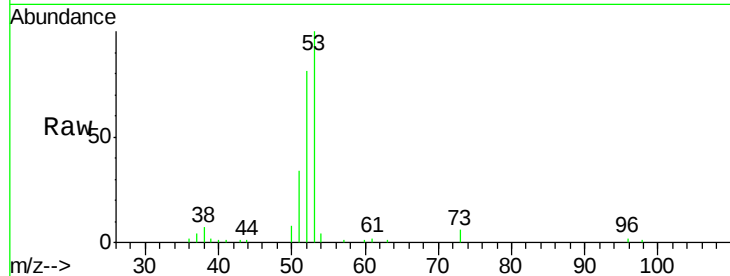
Tot Ion: 53 Resp: 91785

Ion Ratio Lower Upper

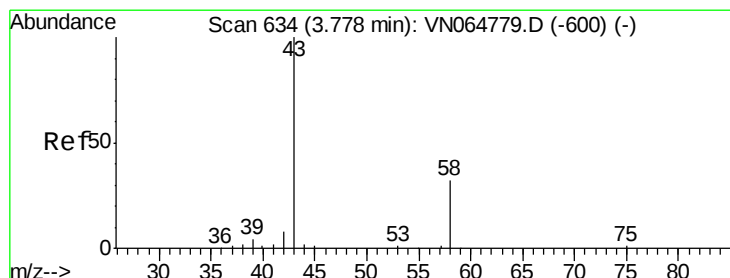
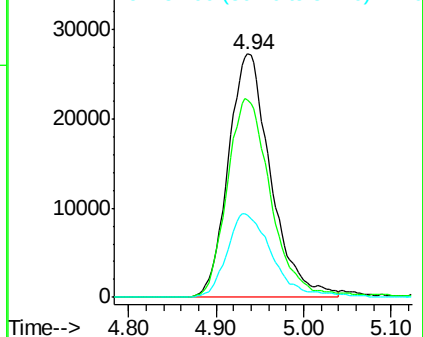
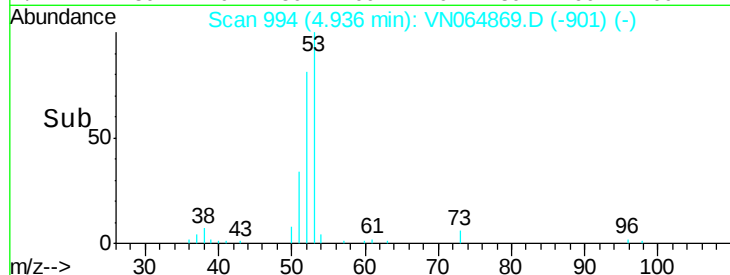
53 100

52 83.3 65.5 98.3

51 36.6 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064869.D (-901) (-)



#16

Acetone

Concen: 93.469 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064869.D

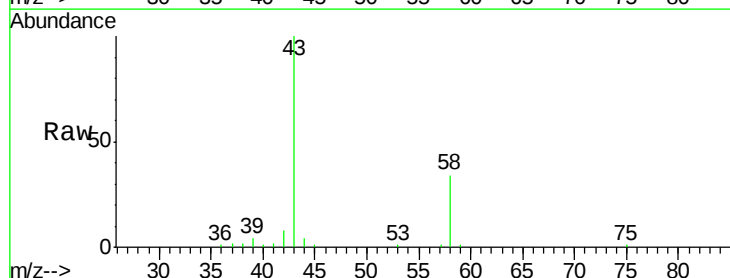
Acq: 30 Nov 2020 13:44

Tgt Ion: 43 Resp: 72289

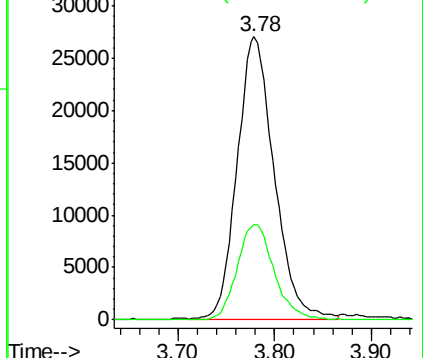
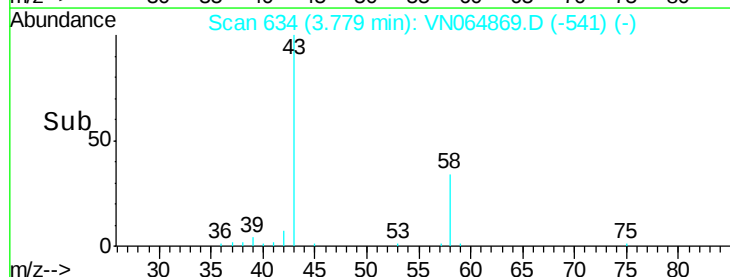
Ion Ratio Lower Upper

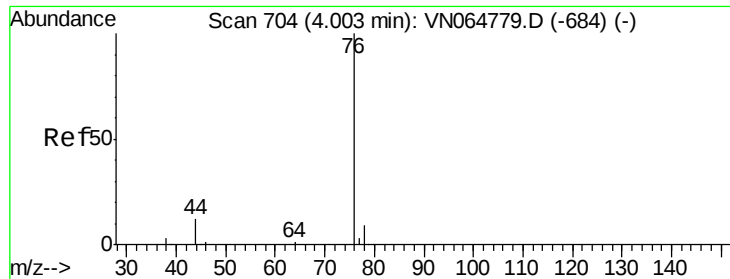
43 100

58 33.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064869.D (-541) (-)

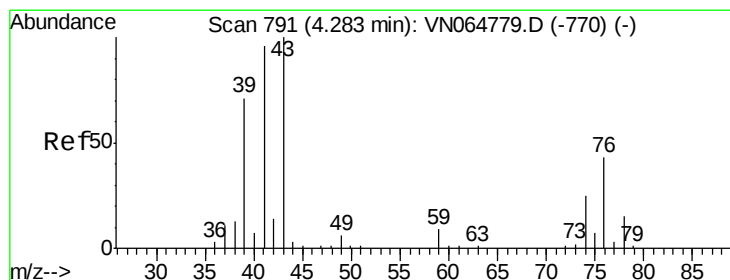
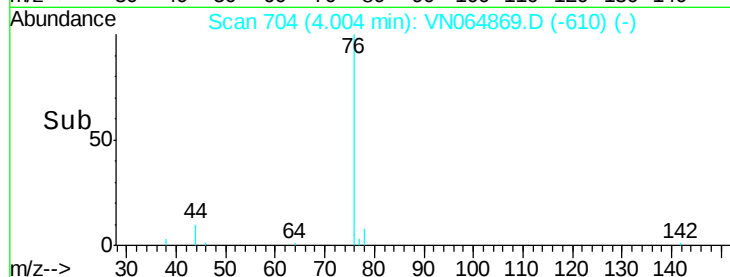
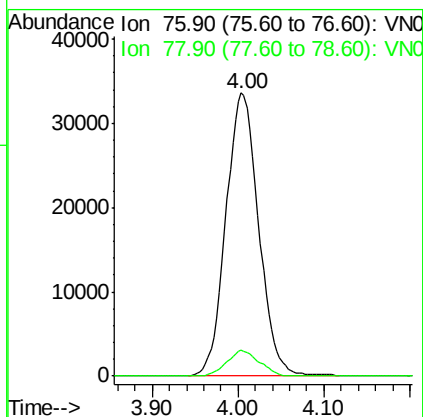
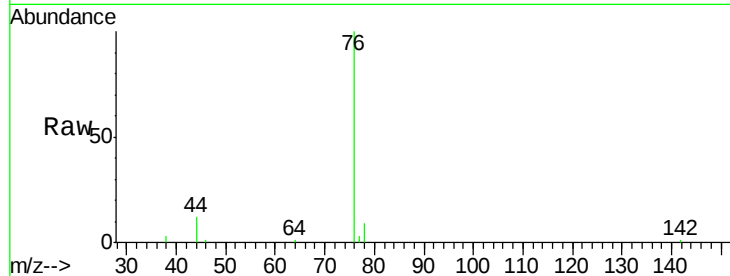




#17  
Carbon Disulfide  
Concen: 17.562 ug/l  
RT: 4.00 min Scan# 704  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

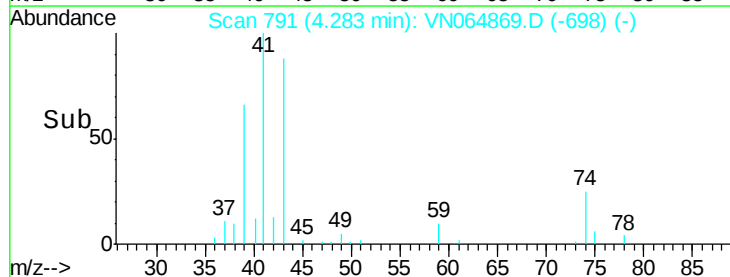
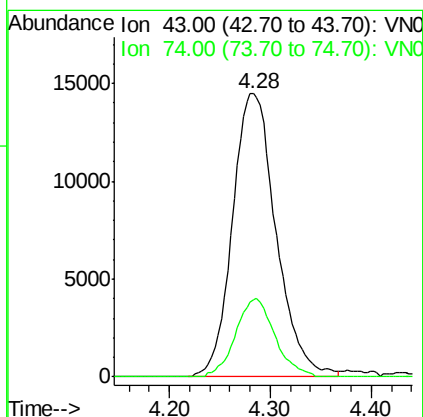
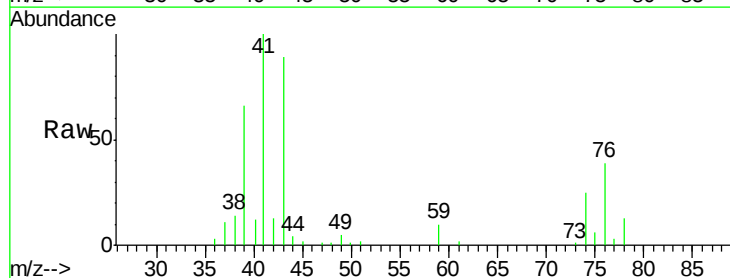
Instrument :  
MSVOA\_N  
ClientSampled :

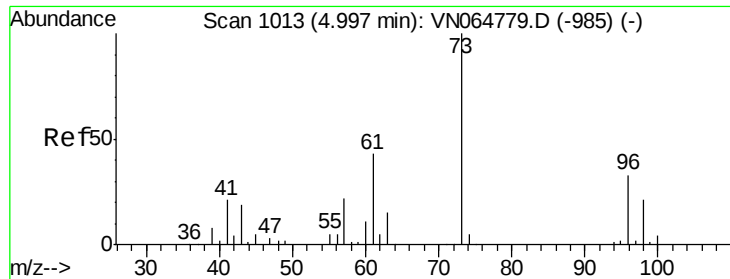
Tot Ion: 76 Resp: 88969  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0



#18  
Methyl Acetate  
Concen: 18.660 ug/l  
RT: 4.28 min Scan# 791  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 43 Resp: 43390  
Ion Ratio Lower Upper  
43 100  
74 24.8 20.2 30.2

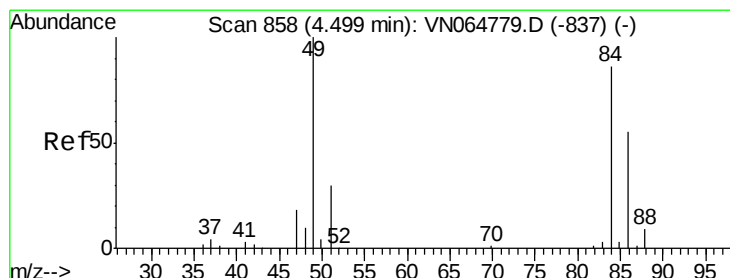
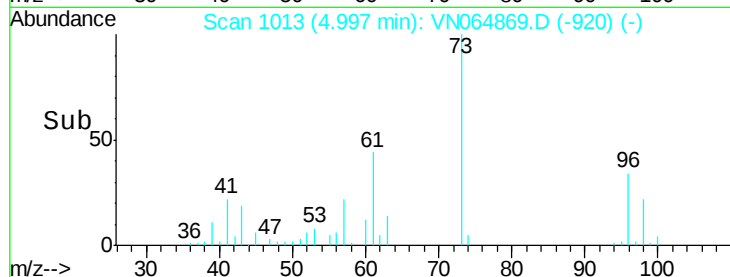
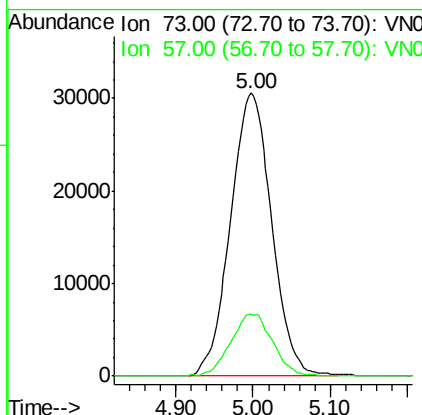
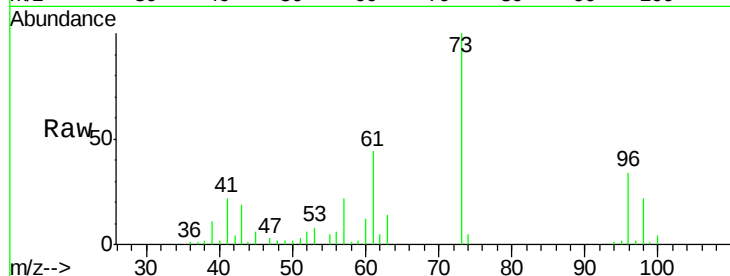




#19  
Methvl tert-butvl Ether  
Concen: 17.978 ug/l  
RT: 5.00 min Scan# 1013  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

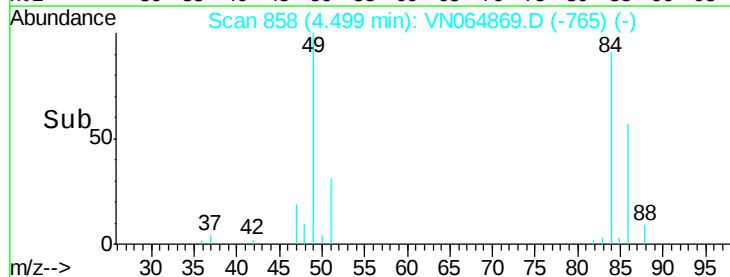
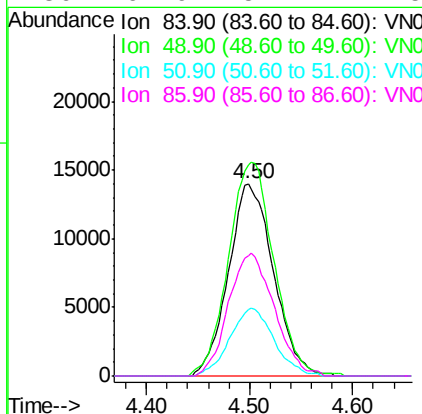
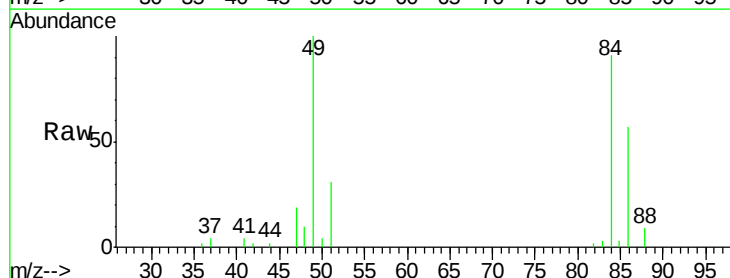
Instrument :  
MSVOA\_N  
ClientSampleId :

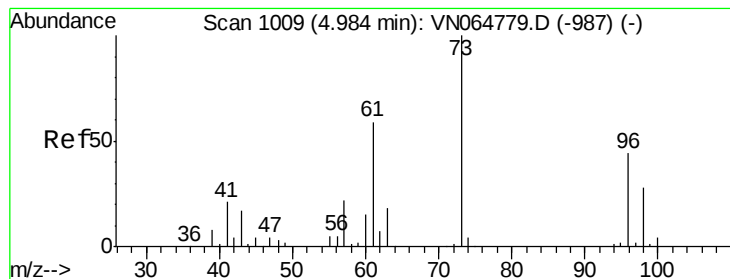
Tot Ion: 73 Resp: 113152  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.4 26.0



#20  
Methylene Chloride  
Concen: 17.527 ug/l  
RT: 4.50 min Scan# 858  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 84 Resp: 42476  
Ion Ratio Lower Upper  
84 100  
49 109.7 93.4 140.0  
51 34.5 28.2 42.4  
86 62.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 17.181 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampled :

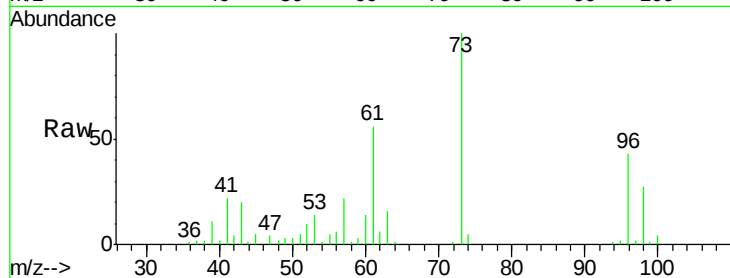
Tot Ion: 96 Resp: 37442

Ion Ratio Lower Upper

96 100

61 128.5 108.4 162.6

98 61.9 51.3 76.9

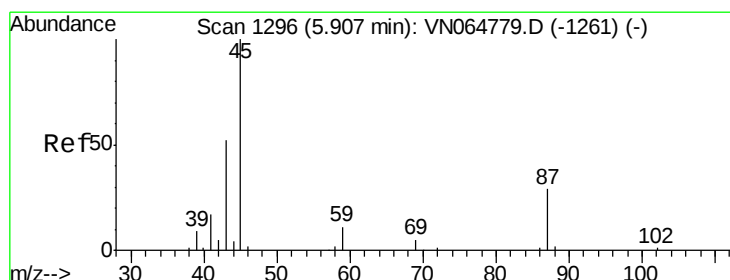
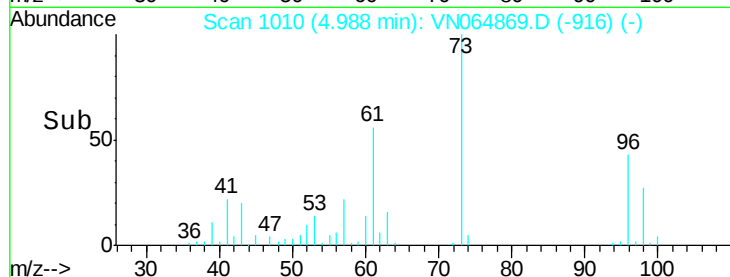
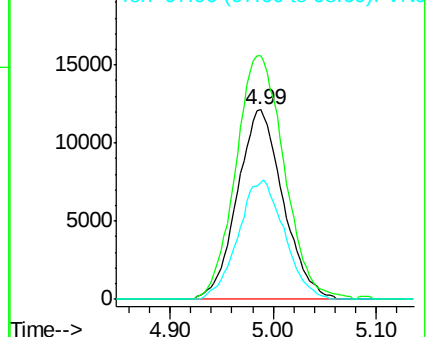


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.054 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Tgt Ion: 45 Resp: 123441

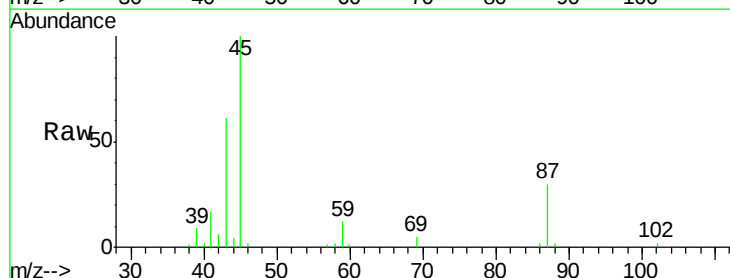
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 29.9 24.1 36.1

59 11.6 9.0 13.4



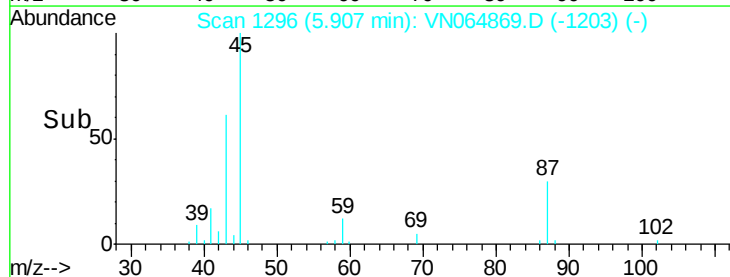
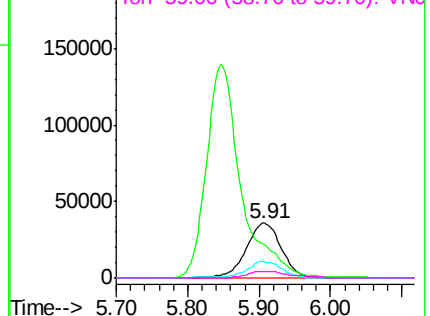
Abundance

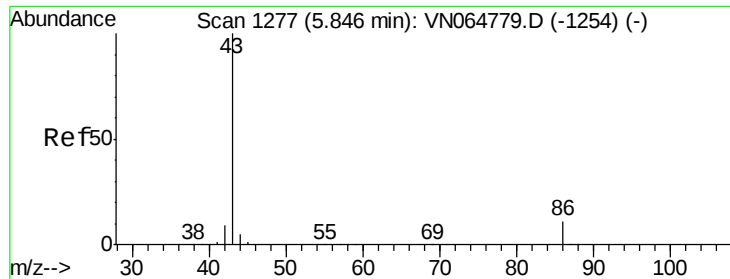
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 91.011 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

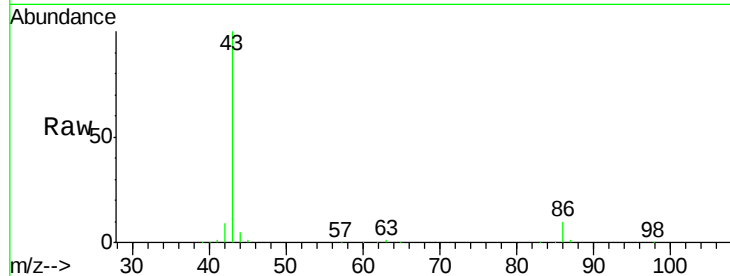
ClientSampled :

Tot Ion: 43 Resp: 471493

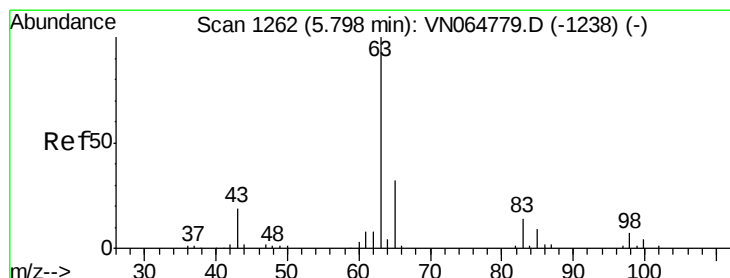
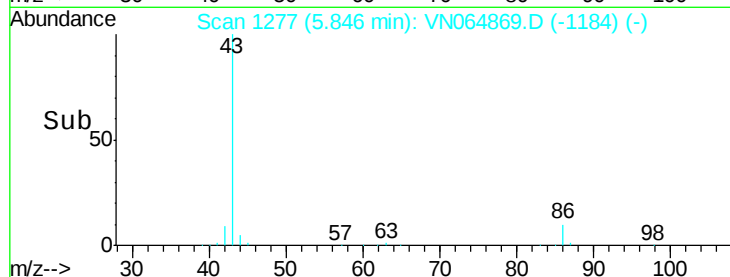
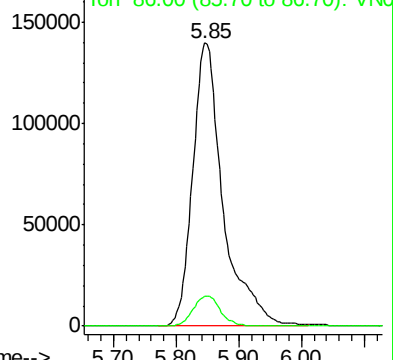
Ion Ratio Lower Upper

43 100

86 10.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN064869.D (-1184) (-)



#24

1,1-Dichloroethane

Concen: 18.331 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

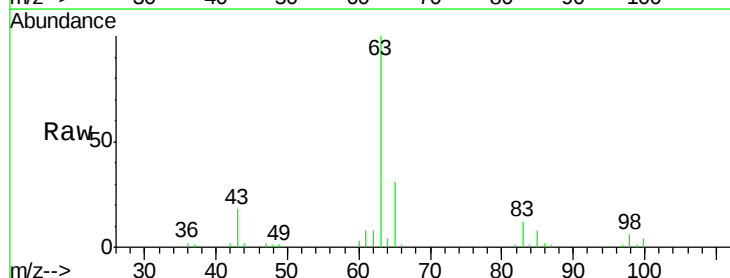
Tgt Ion: 63 Resp: 70974

Ion Ratio Lower Upper

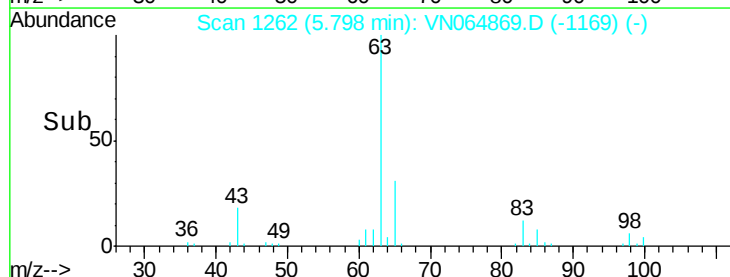
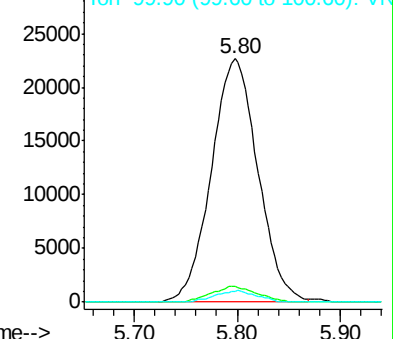
63 100

98 6.3 3.5 10.5

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064869.D (-1169) (-)





#25

2-Butanone

Concen: 93.830 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

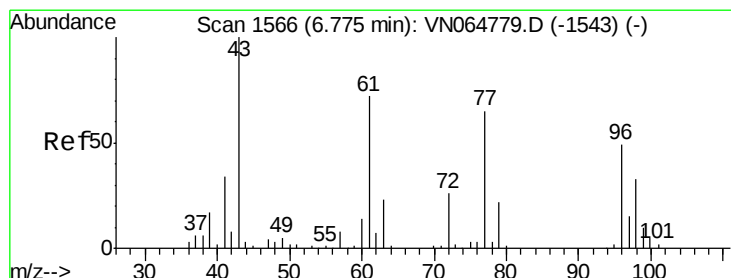
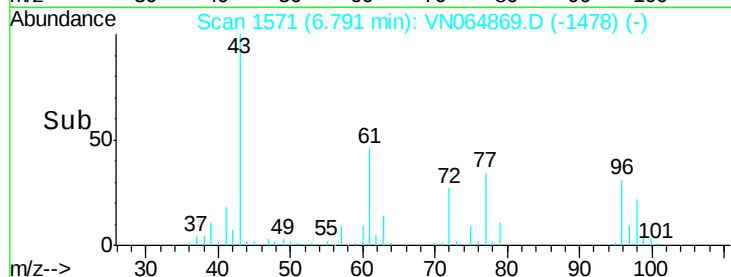
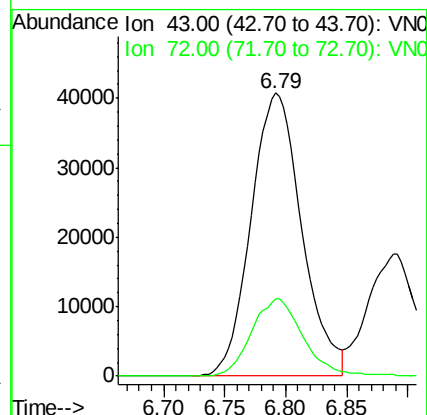
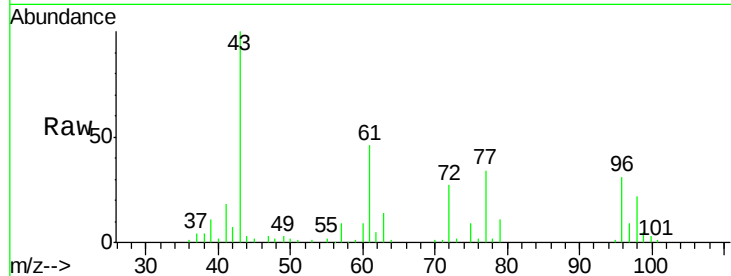
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 117636

Ion Ratio Lower Upper

43 100

72 27.2 21.0 31.6



#26

2,2-Dichloropropane

Concen: 17.165 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064869.D

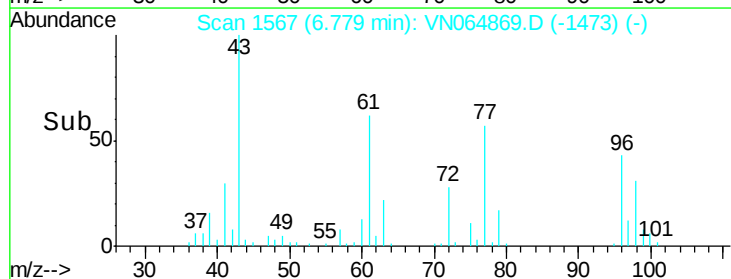
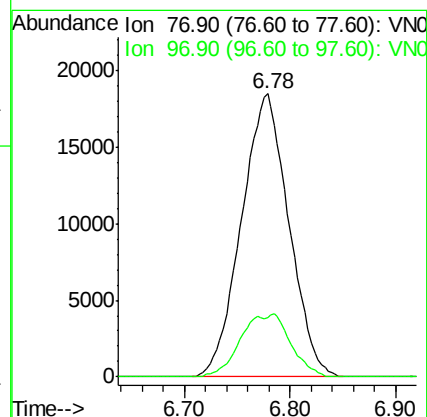
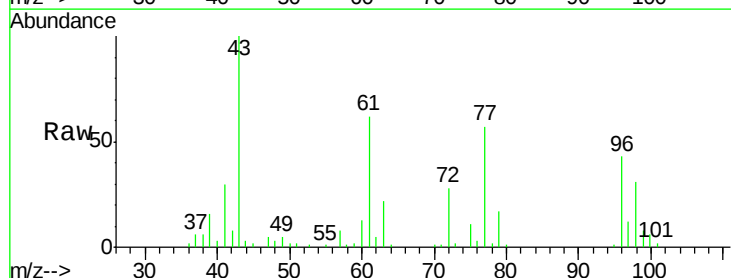
Acq: 30 Nov 2020 13:44

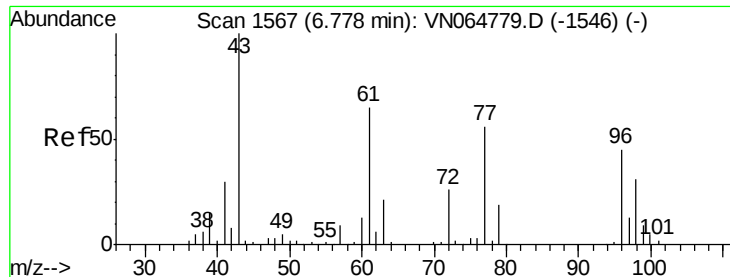
Tgt Ion: 77 Resp: 57639

Ion Ratio Lower Upper

77 100

97 11.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.566 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampleId :

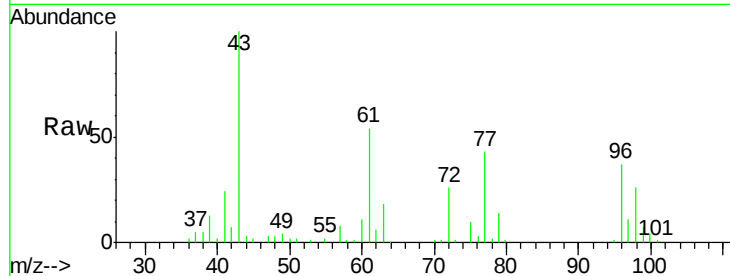
Tot Ion: 96 Resp: 43075

Ion Ratio Lower Upper

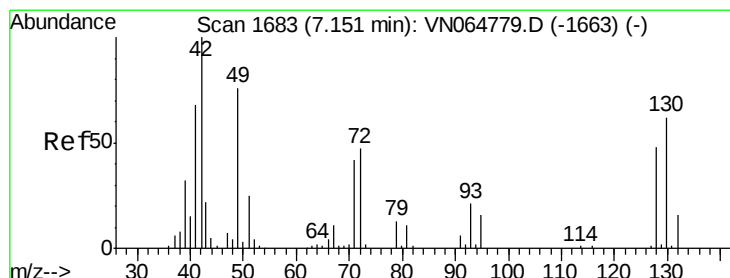
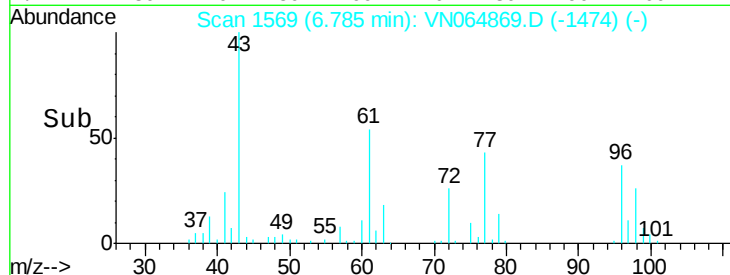
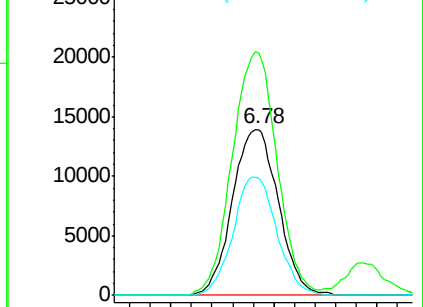
96 100

61 143.5 0.0 285.8

98 68.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.438 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

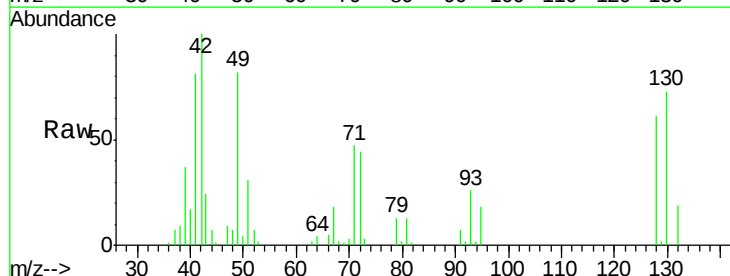
Tgt Ion: 49 Resp: 32658

Ion Ratio Lower Upper

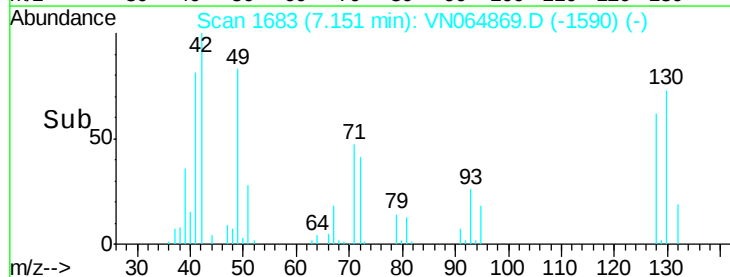
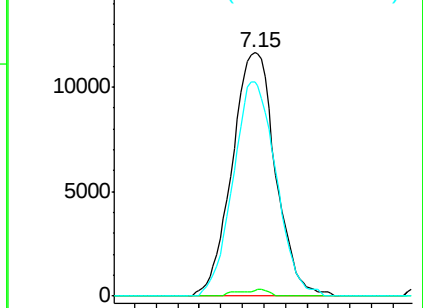
49 100

129 1.1 0.0 3.8

130 87.1 66.2 99.2



Abundance Ion 48.90 (48.60 to 49.60): VN0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

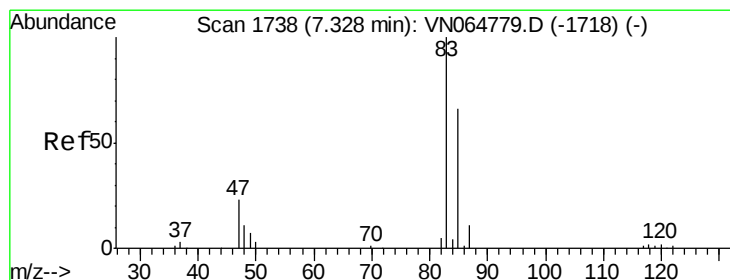
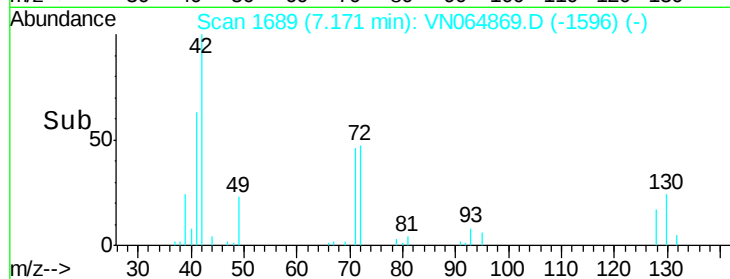
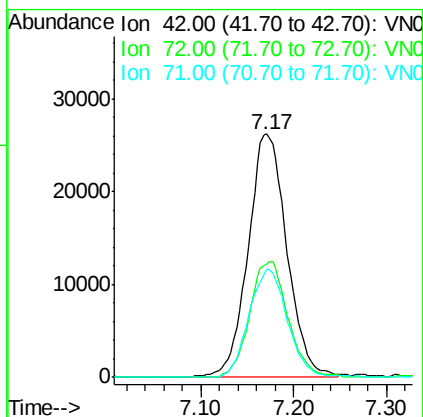
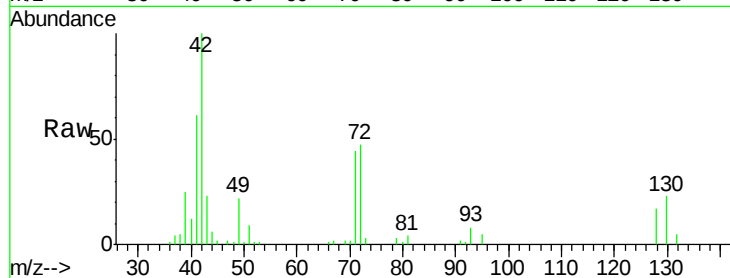




#29  
Tetrahydrofuran  
Concen: 88.083 ug/l  
RT: 7.17 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

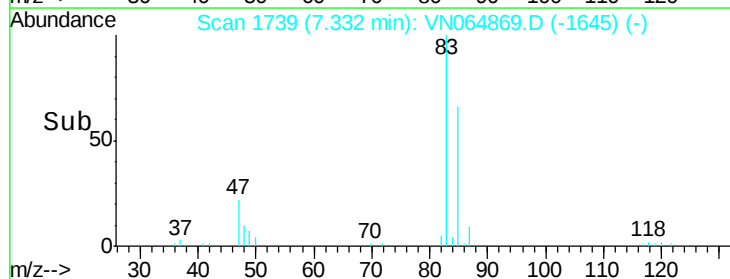
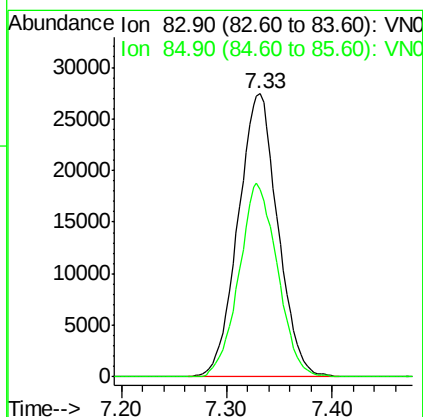
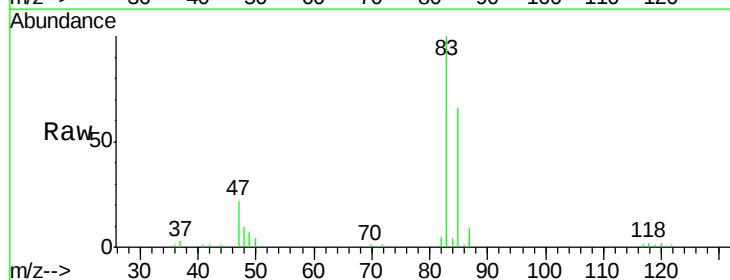
Instrument :  
MSVOA\_N  
ClientSampleId :

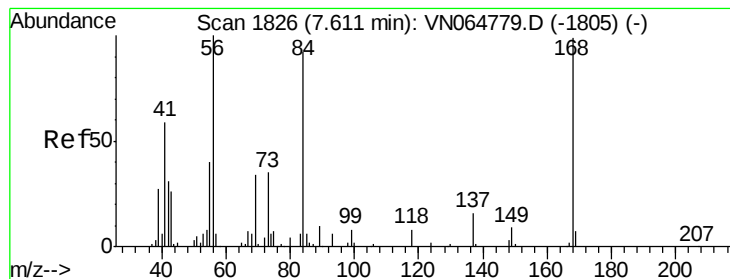
Tot Ion: 42 Resp: 76230  
Ion Ratio Lower Upper  
42 100  
72 47.0 36.6 54.8  
71 43.9 33.6 50.4



#30  
Chloroform  
Concen: 18.003 ug/l  
RT: 7.33 min Scan# 1739  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 83 Resp: 71882  
Ion Ratio Lower Upper  
83 100  
85 66.1 52.6 78.8





#31

Cvclohexane

Concen: 17.237 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampled :

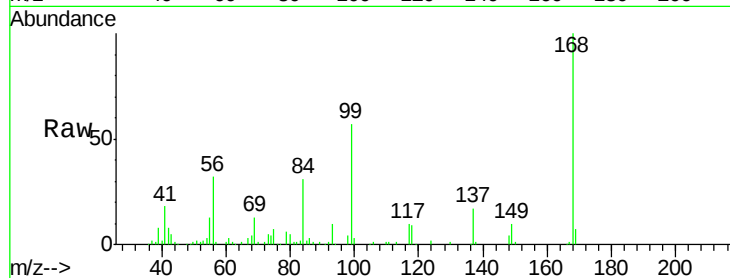
Tot Ion: 56 Resp: 56523

Ion Ratio Lower Upper

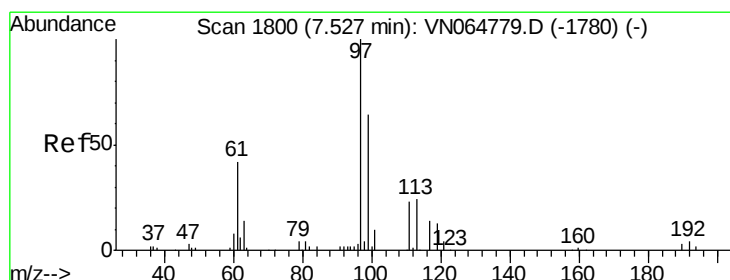
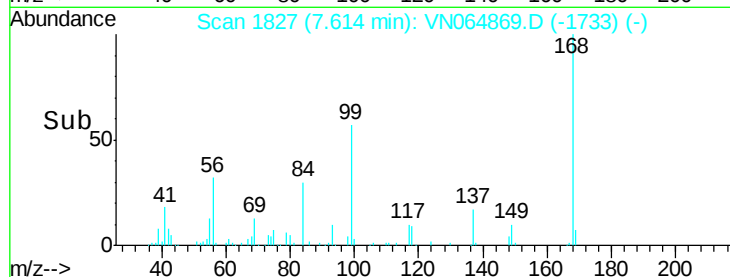
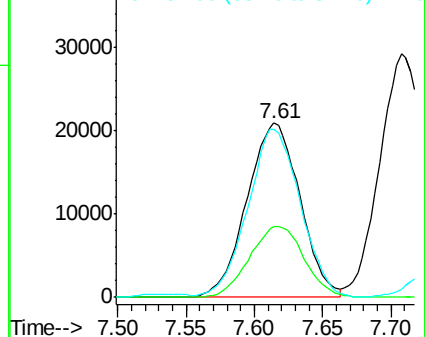
56 100

69 40.7 27.5 41.3

84 95.5 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 17.934 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

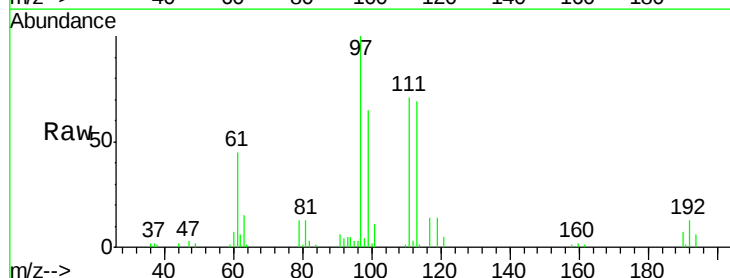
Tgt Ion: 97 Resp: 61500

Ion Ratio Lower Upper

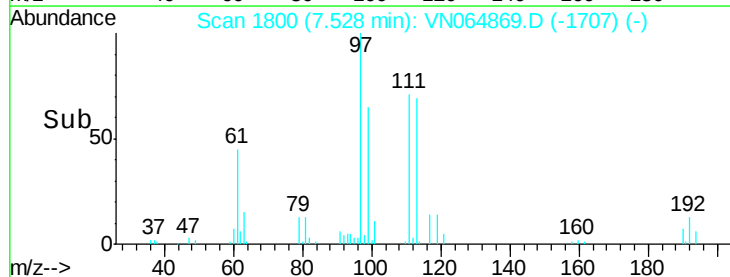
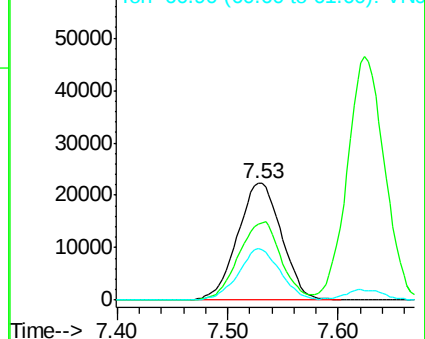
97 100

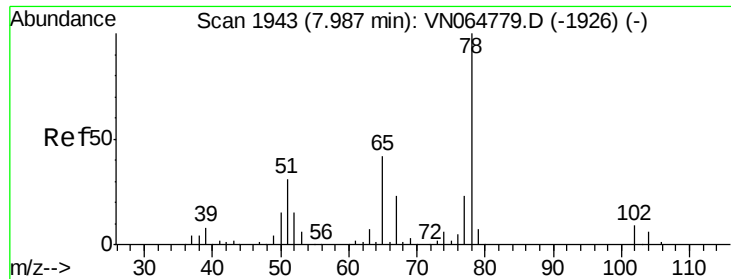
99 65.1 51.7 77.5

61 42.1 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO

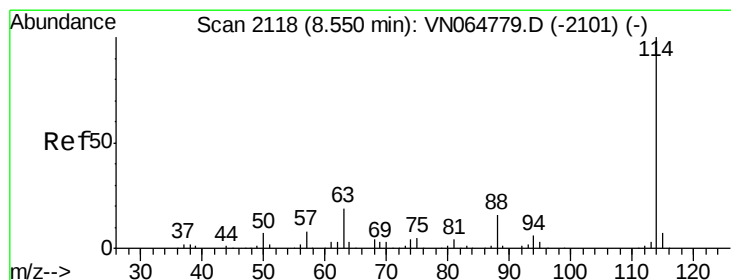
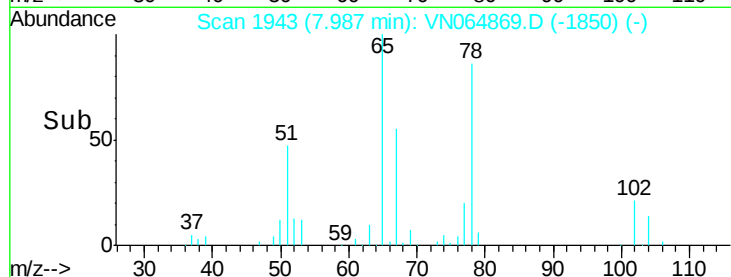
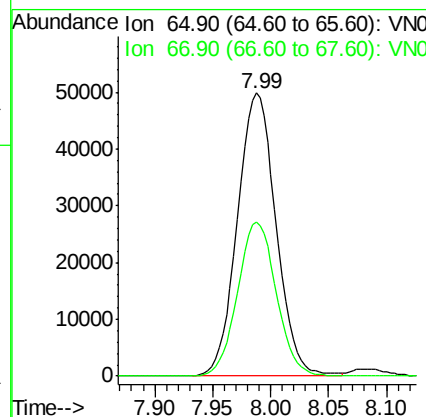
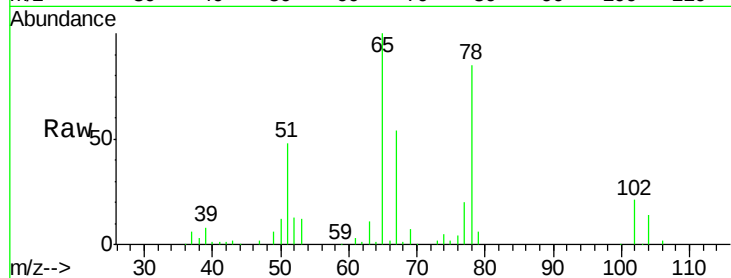




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.199 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

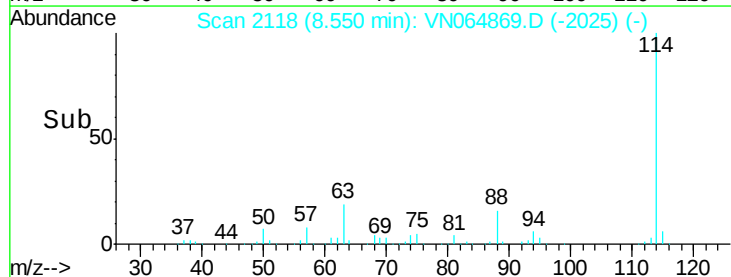
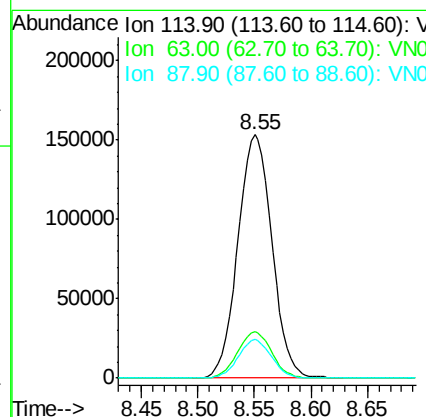
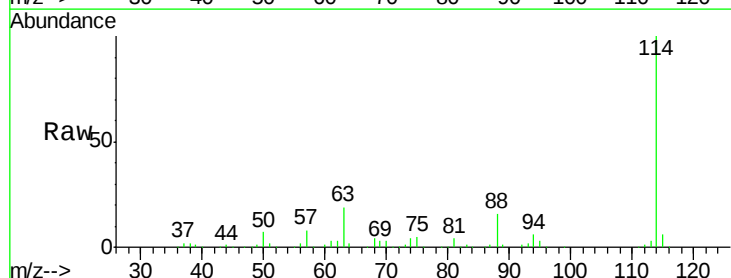
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 65 Resp: 115751  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 108.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 114 Resp: 322223  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 38.6  
 88 16.2 0.0 32.6

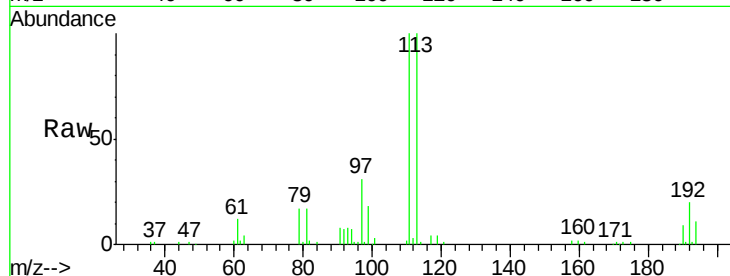




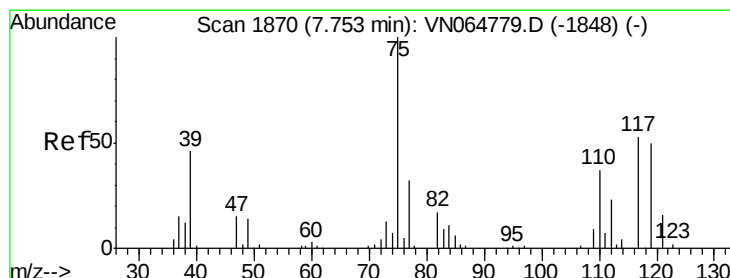
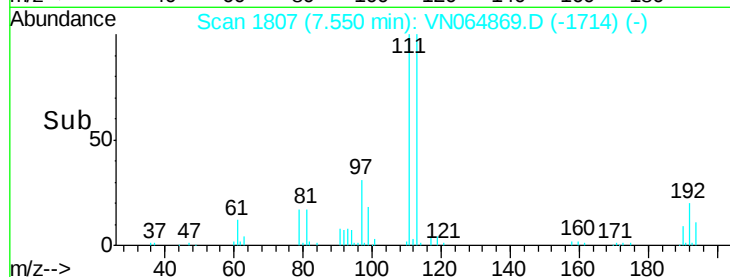
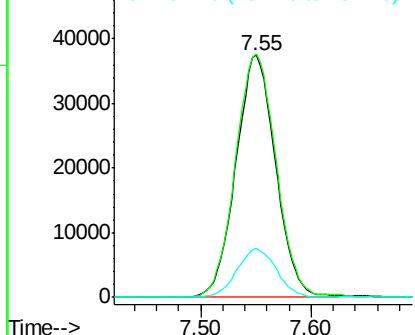
#35  
 Dibromofluoromethane  
 Concen: 48.421 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion:113 Resp: 93360  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 81.6 122.4  
 192 20.0 16.2 24.2

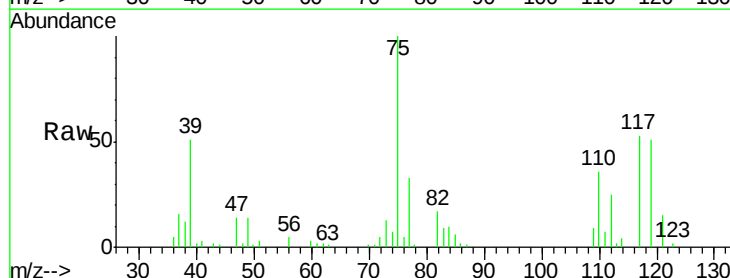


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

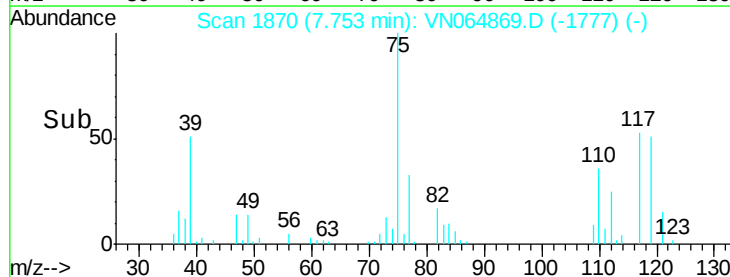
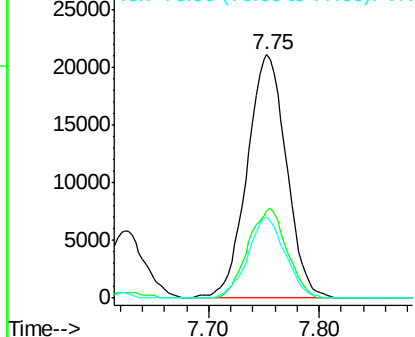


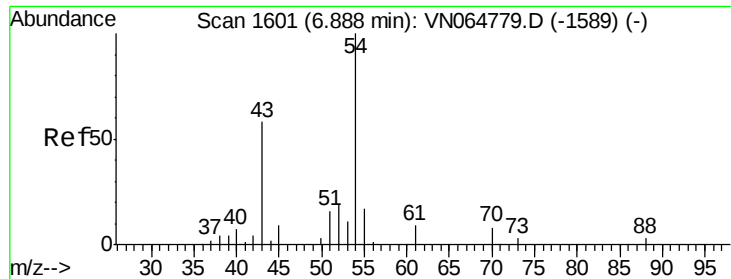
#36  
 1,1-Dichloropropene  
 Concen: 17.416 ug/l  
 RT: 7.75 min Scan# 1870  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 75 Resp: 52017  
 Ion Ratio Lower Upper  
 75 100  
 110 36.3 17.8 53.3  
 77 31.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

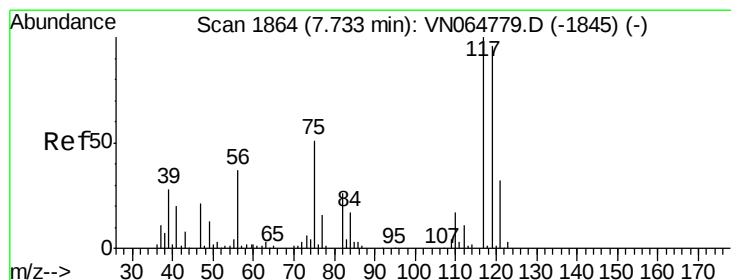
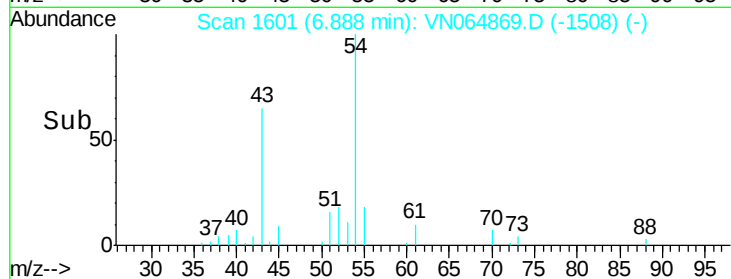
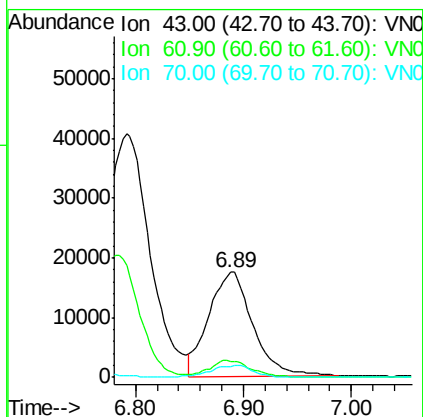
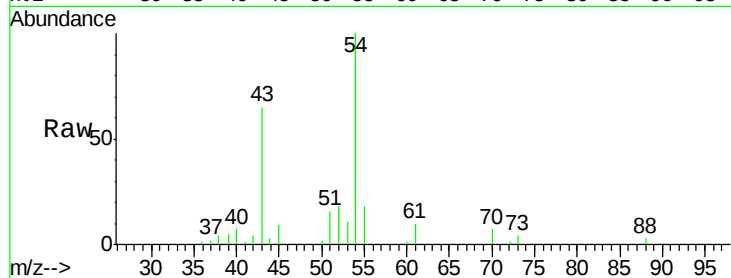




#37  
Ethyl Acetate  
Concen: 17.142 ug/l  
RT: 6.89 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

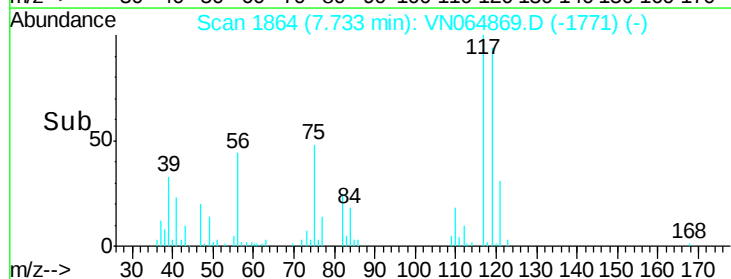
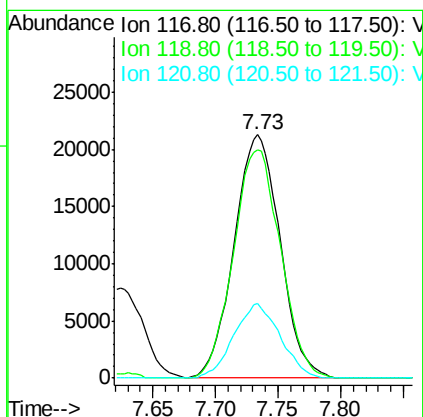
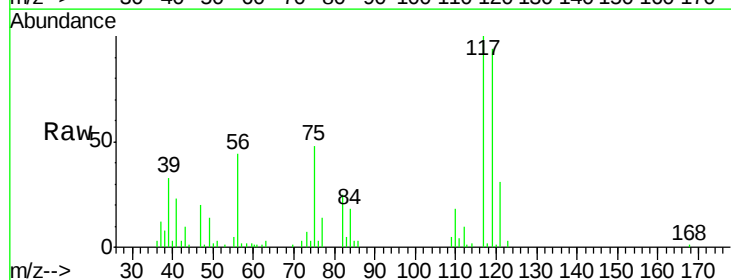
Instrument :  
MSVOA\_N  
ClientSampled :

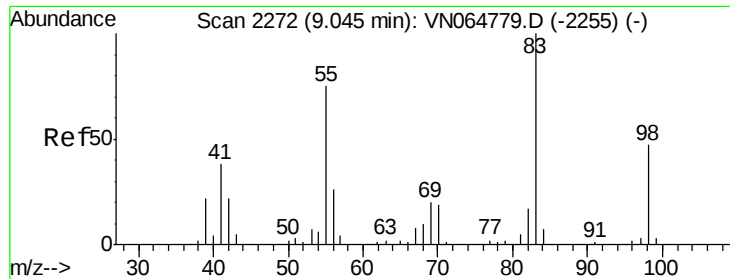
Tot Ion: 43 Resp: 49318  
Ion Ratio Lower Upper  
43 100  
61 15.6 12.8 19.2  
70 11.2 8.8 13.2



#38  
Carbon Tetrachloride  
Concen: 17.496 ug/l  
RT: 7.73 min Scan# 1864  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 117 Resp: 54372  
Ion Ratio Lower Upper  
117 100  
119 93.8 76.7 115.1  
121 30.6 25.4 38.2

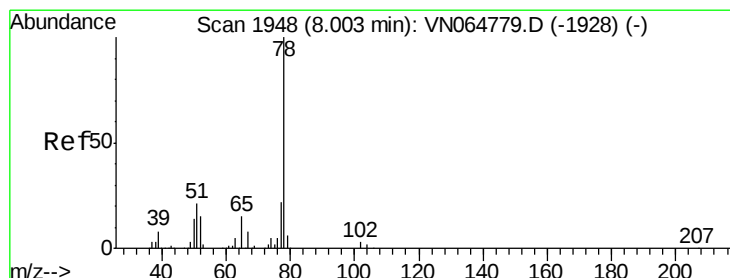
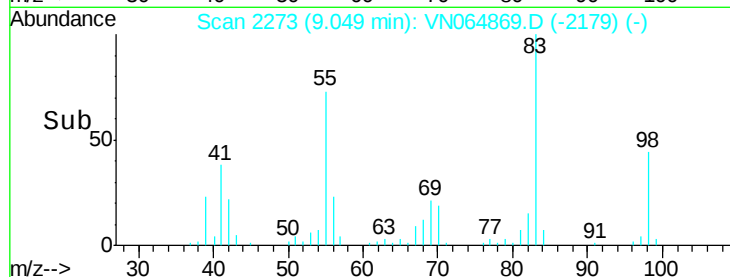
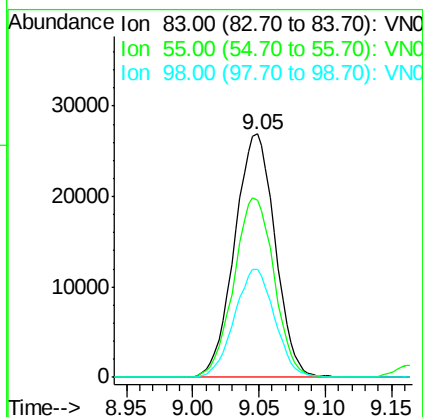
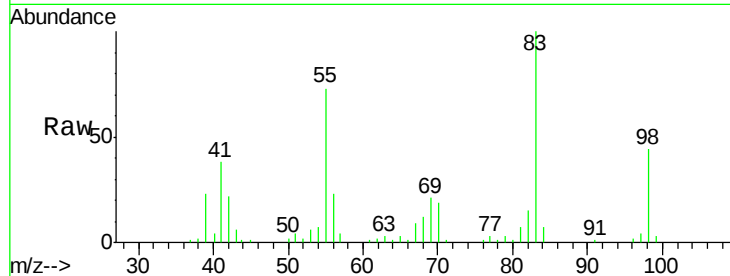




#39  
Methvlcvclohexane  
Concen: 17.784 ug/l  
RT: 9.05 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

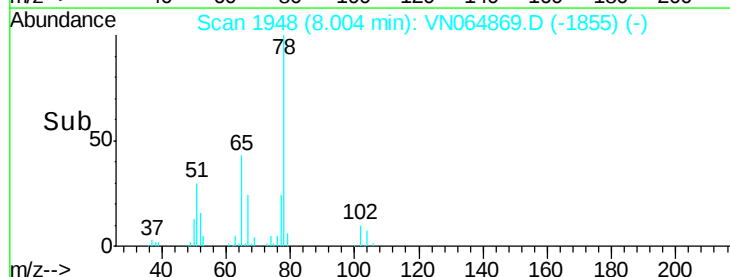
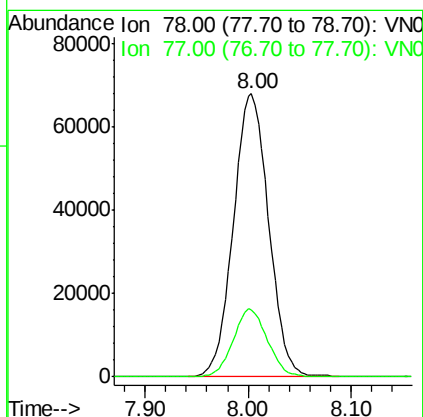
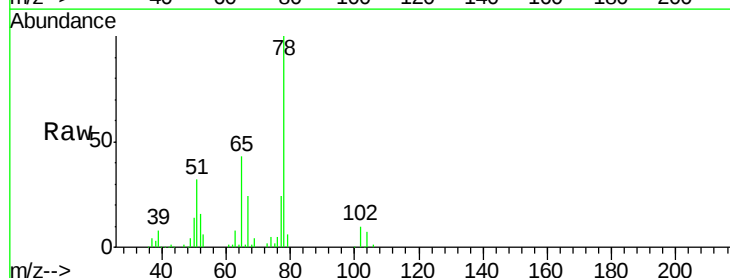
Instrument :  
MSVOA\_N  
ClientSampled :

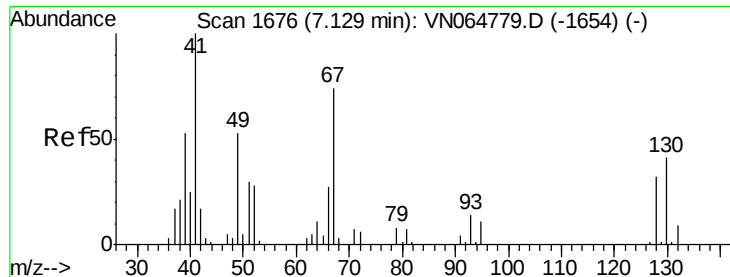
Tot Ion: 83 Resp: 57178  
Ion Ratio Lower Upper  
83 100  
55 72.6 60.2 90.2  
98 44.4 37.4 56.2



#40  
Benzene  
Concen: 17.709 ug/l  
RT: 8.00 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 78 Resp: 162075  
Ion Ratio Lower Upper  
78 100  
77 23.7 17.9 26.9

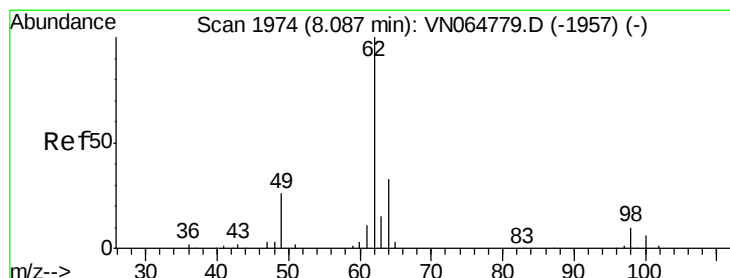
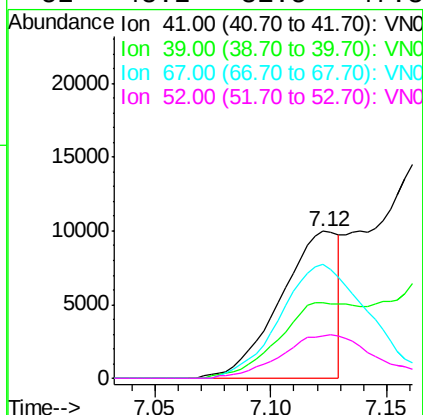
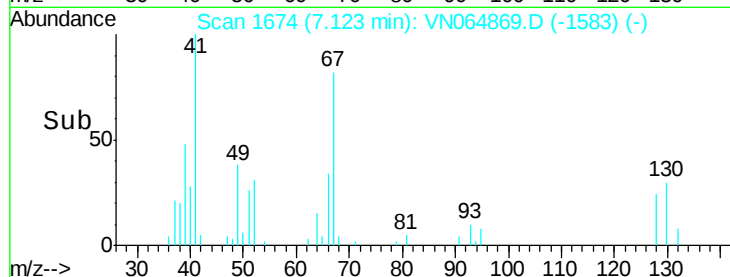
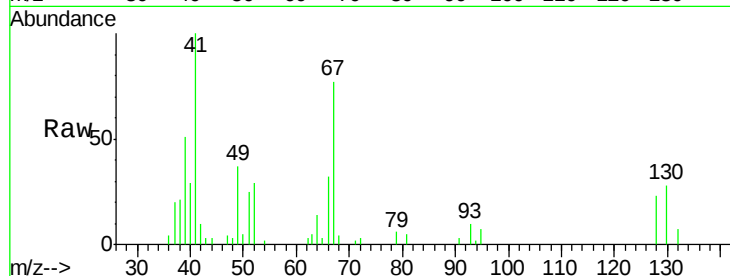




#41  
Methacrylonitrile  
Concen: 13.097 ug/l  
RT: 7.12 min Scan# 1674  
Delta R.T. -0.01 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

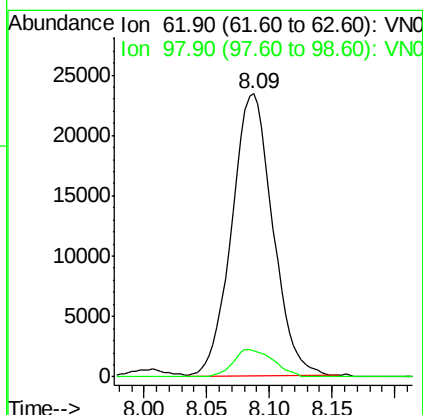
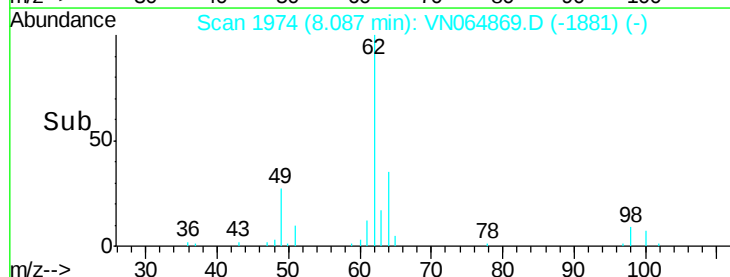
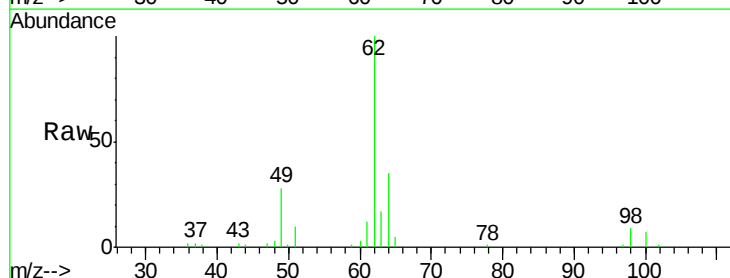
Instrument :  
MSVOA\_N  
ClientSampleId :

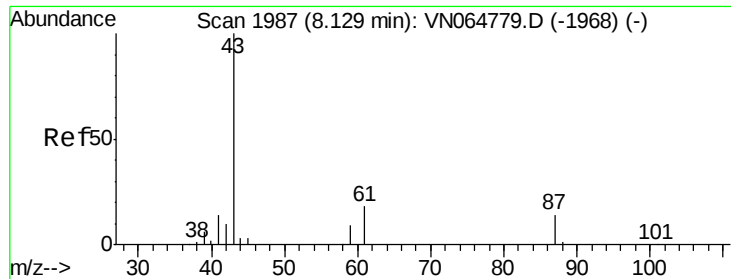
Tot Ion: 41 Resp: 17386  
Ion Ratio Lower Upper  
41 100  
39 74.4 51.0 76.6  
67 120.2 79.8 119.8#  
52 48.2 31.5 47.3#



#42  
1,2-Dichloroethane  
Concen: 17.148 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 62 Resp: 52944  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 19.6



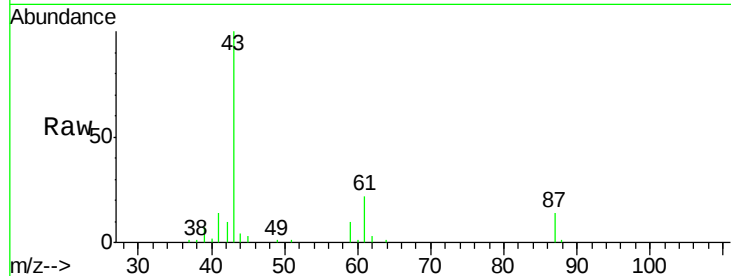


#43

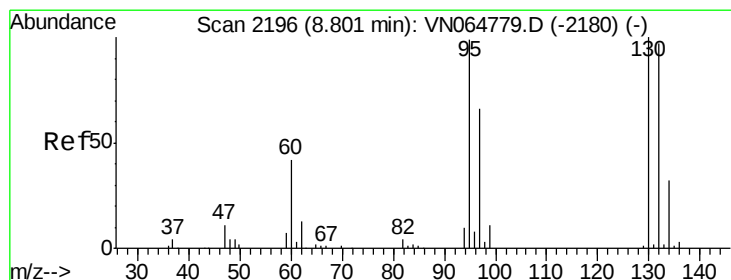
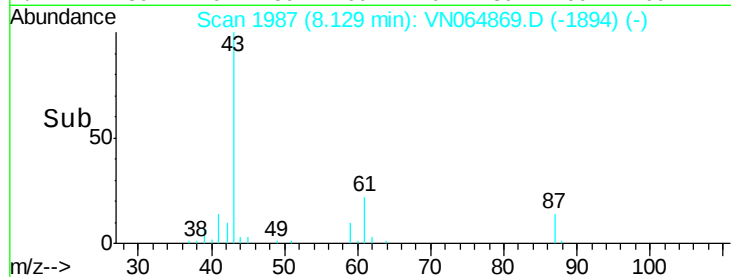
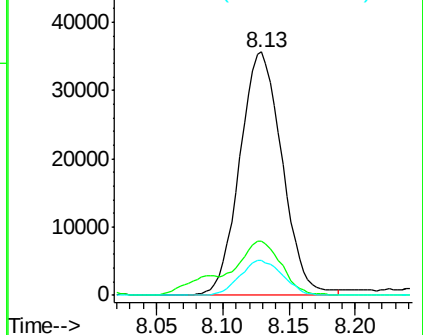
Isopropyl Acetate  
 Concen: 17.125 ug/l  
 RT: 8.13 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 43 Resp: 79279  
 Ion Ratio Lower Upper  
 43 100  
 61 22.2 17.2 25.8  
 87 14.4 11.4 17.0



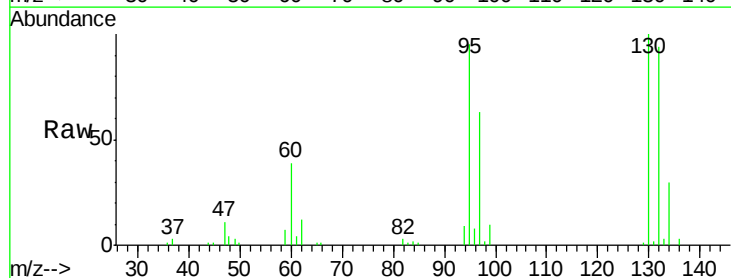
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



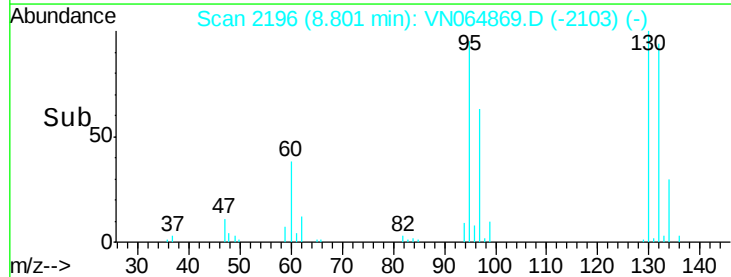
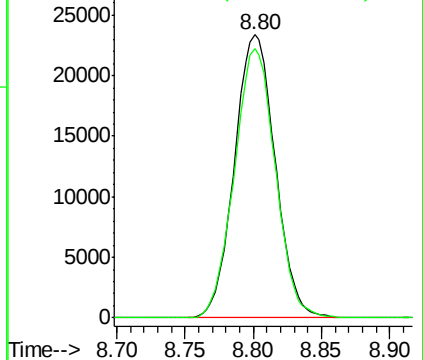
#44

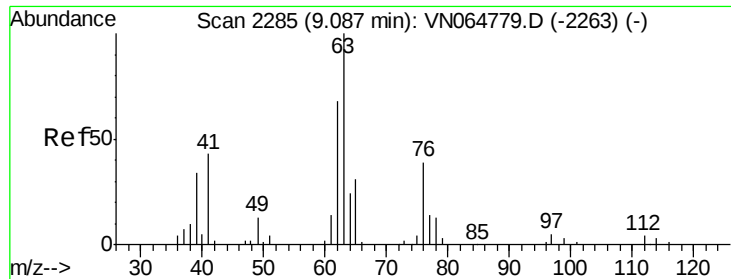
Trichloroethene  
 Concen: 17.953 ug/l  
 RT: 8.80 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion:130 Resp: 48479  
 Ion Ratio Lower Upper  
 130 100  
 95 95.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VN0

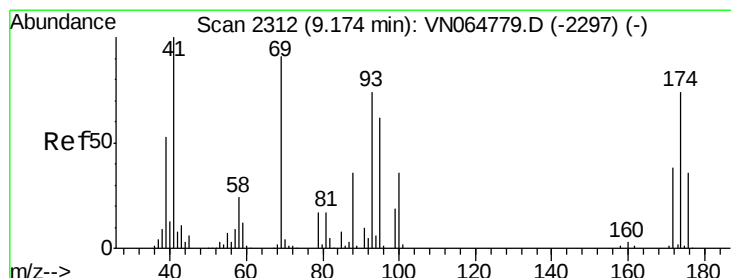
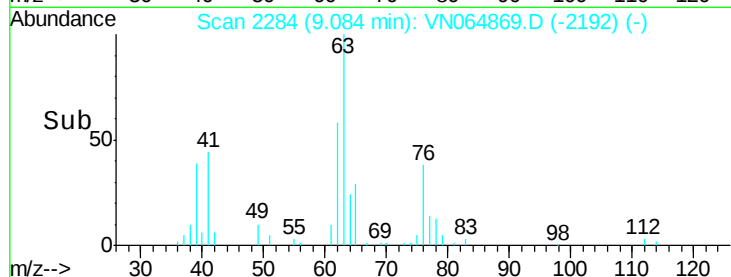
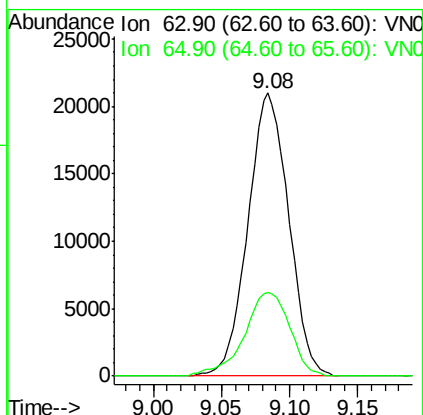
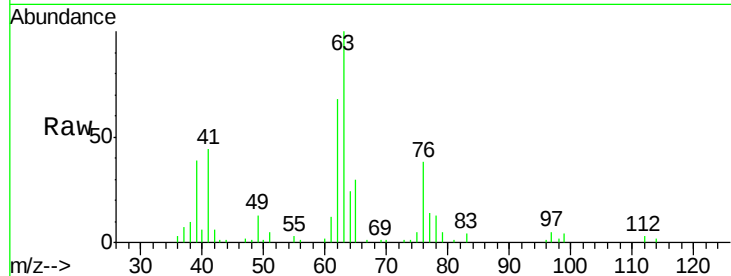




#45  
 1,2-Dichloropropane  
 Concen: 18.352 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

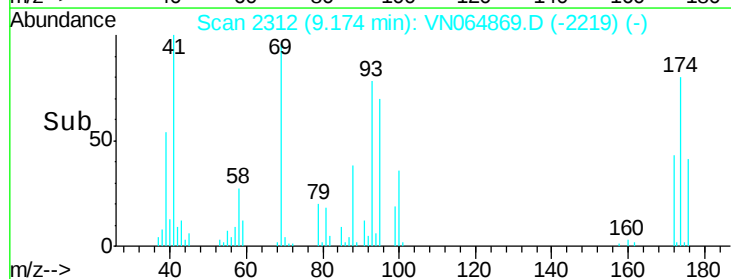
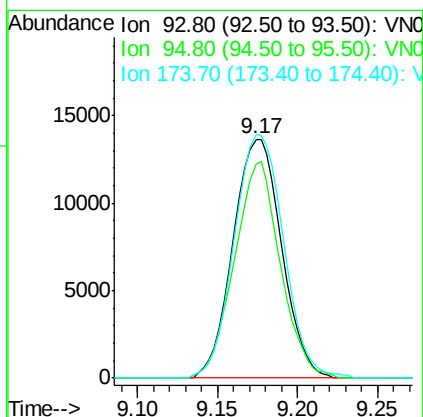
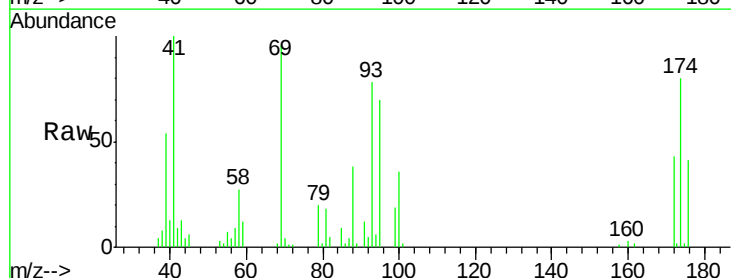
Instrument :  
 MSVOA\_N  
 ClientSampleId :

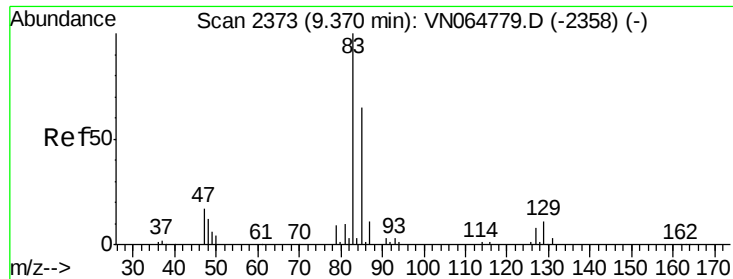
Tot Ion: 63 Resp: 43497  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 25.0 37.4



#46  
 Dibromomethane  
 Concen: 17.832 ug/l  
 RT: 9.17 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 93 Resp: 28235  
 Ion Ratio Lower Upper  
 93 100  
 95 85.9 68.8 103.2  
 174 104.3 83.1 124.7





#47

Bromodichloromethane

Concen: 17.983 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampleId :

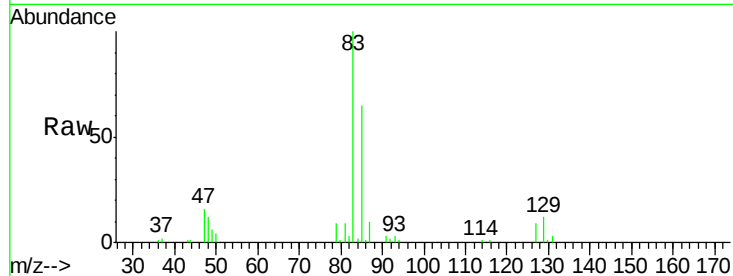
Tot Ion: 83 Resp: 57295

Ion Ratio Lower Upper

83 100

85 64.9 51.8 77.8

127 8.8 6.8 10.2

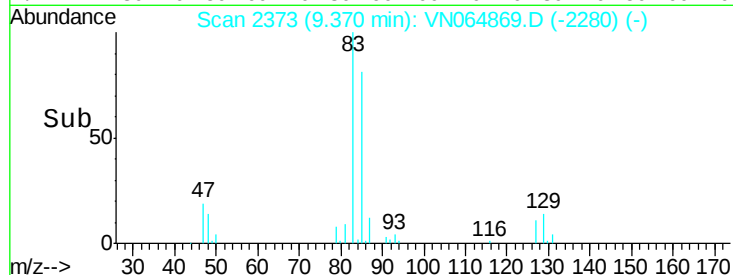


Abundance Ion 82.90 (82.60 to 83.60): VN064869.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064869.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064869.D (-2280) (-)

Time-->



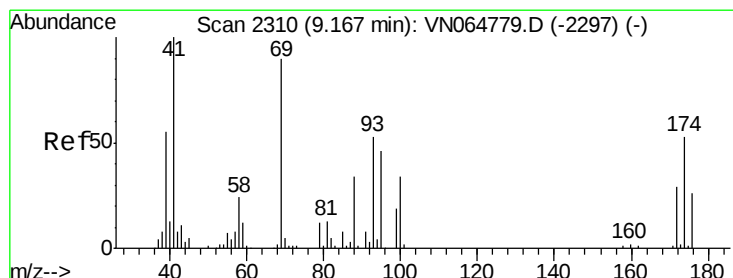
Abundance

Ion 82.90 (82.60 to 83.60): VN064869.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064869.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064869.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 17.059 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

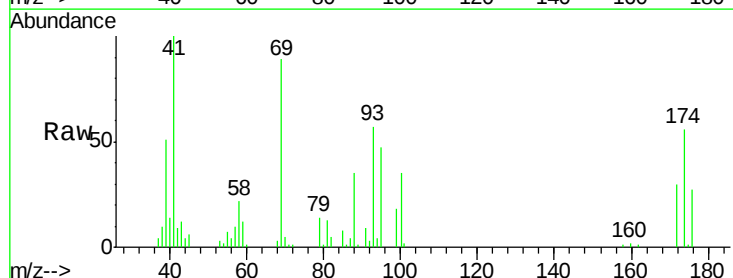
Tgt Ion: 41 Resp: 37736

Ion Ratio Lower Upper

41 100

69 93.8 71.8 107.8

39 55.2 44.1 66.1

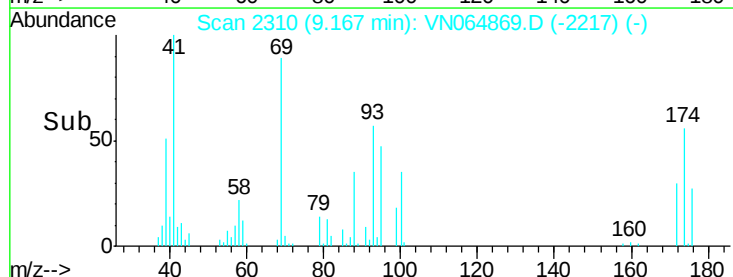


Abundance Ion 41.00 (40.70 to 41.70): VN064869.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064869.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064869.D (-2217) (-)

Time-->



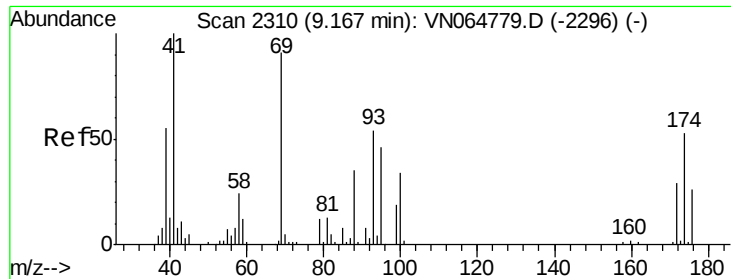
Abundance

Ion 41.00 (40.70 to 41.70): VN064869.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064869.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064869.D (-2217) (-)

Time-->



#49

1,4-Dioxane

Concen: 345.235 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampleId :

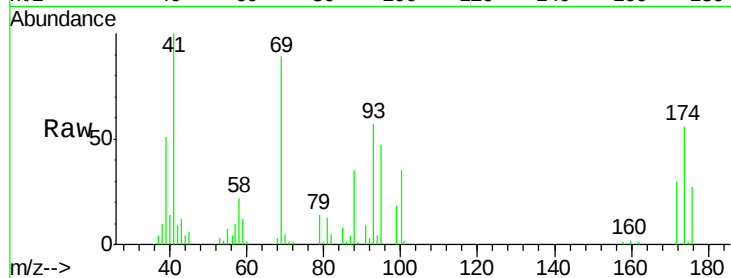
Tot Ion: 88 Resp: 14434

Ion Ratio Lower Upper

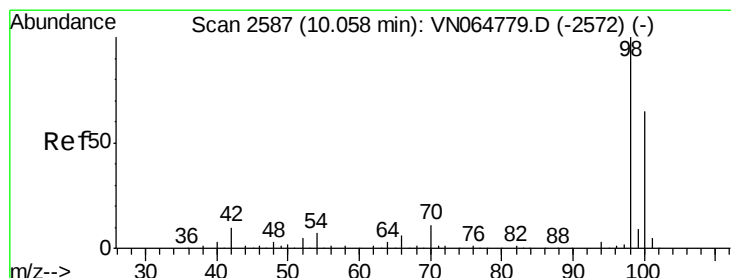
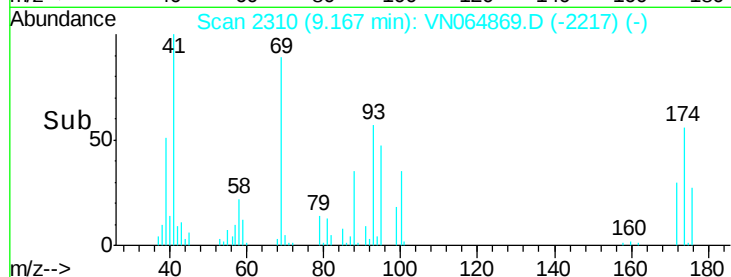
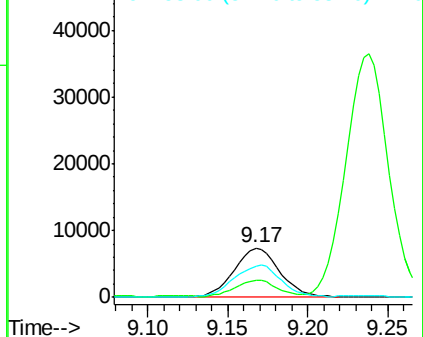
88 100

43 33.3 24.2 36.4

58 68.1 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.358 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064869.D

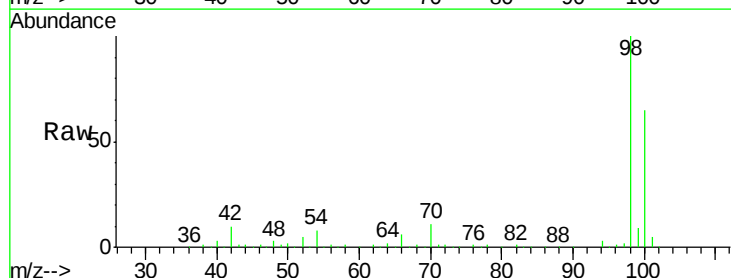
Acq: 30 Nov 2020 13:44

Tgt Ion: 98 Resp: 380960

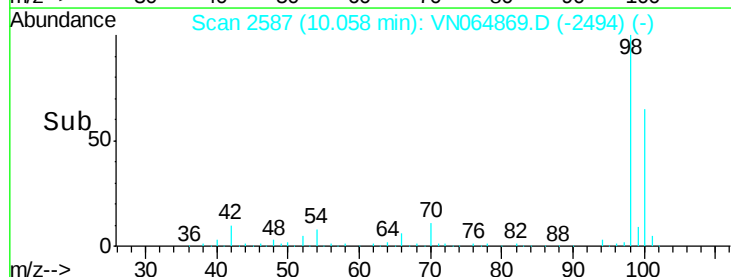
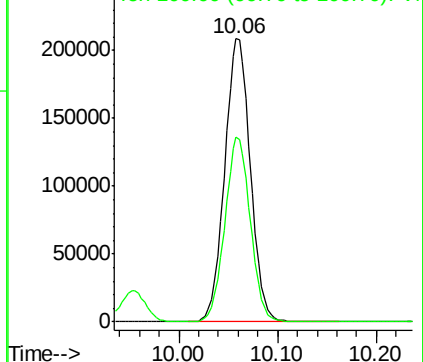
Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 90.983 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

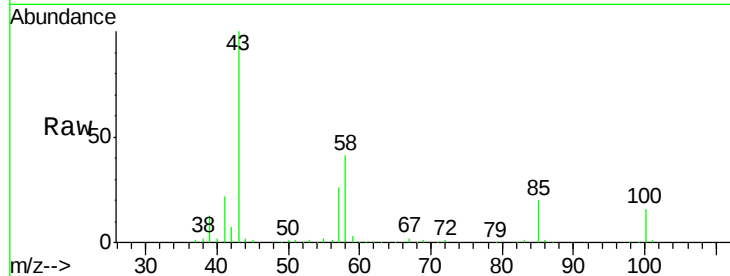
ClientSampleId :

Tot Ion: 43 Resp: 252866

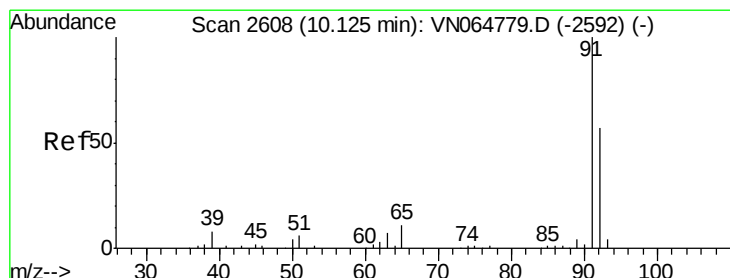
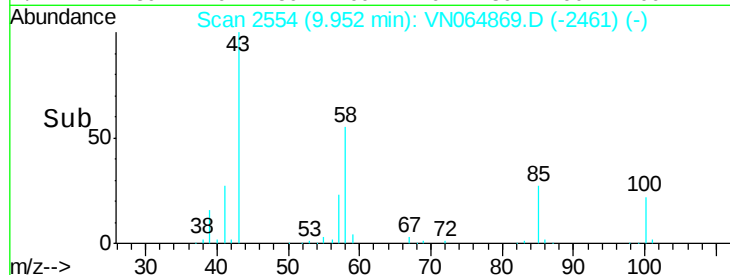
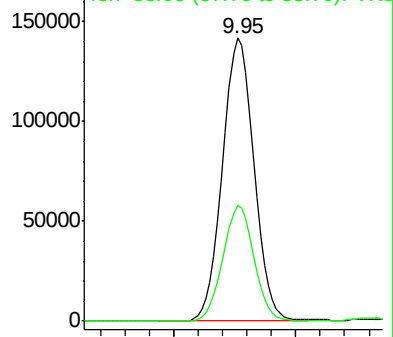
Ion Ratio Lower Upper

43 100

58 40.3 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064869.D (-2461) (-)



#52

Toluene

Concen: 17.851 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064869.D

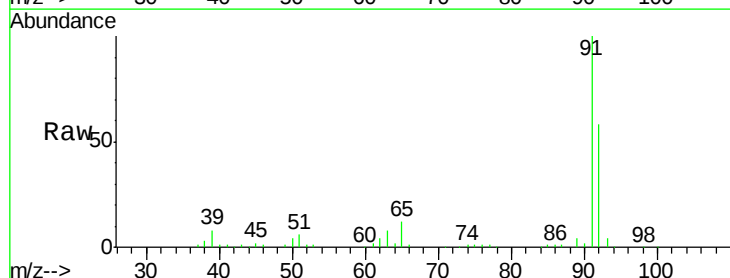
Acq: 30 Nov 2020 13:44

Tgt Ion: 92 Resp: 100614

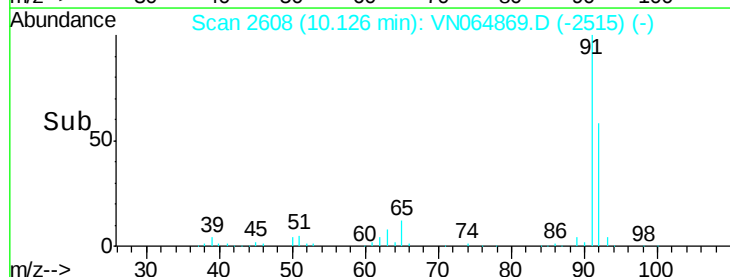
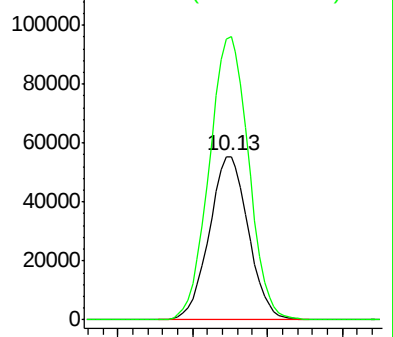
Ion Ratio Lower Upper

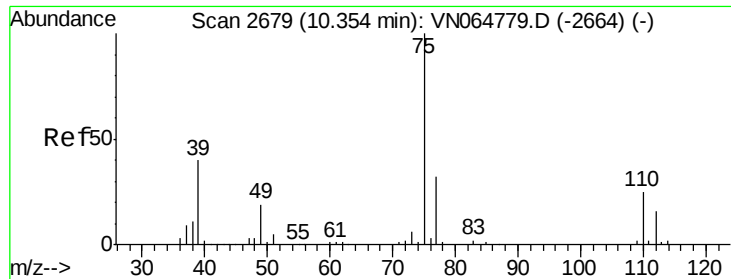
92 100

91 175.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064869.D (-2515) (-)

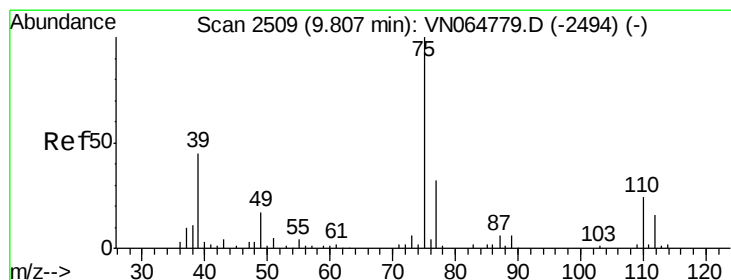
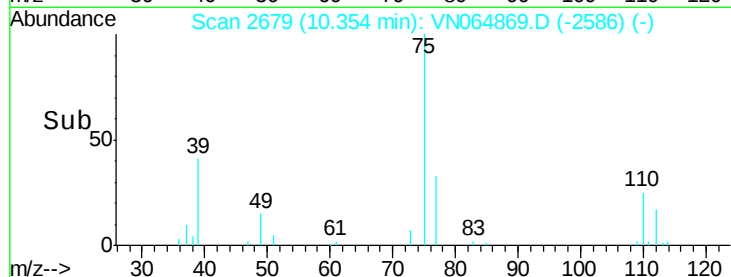
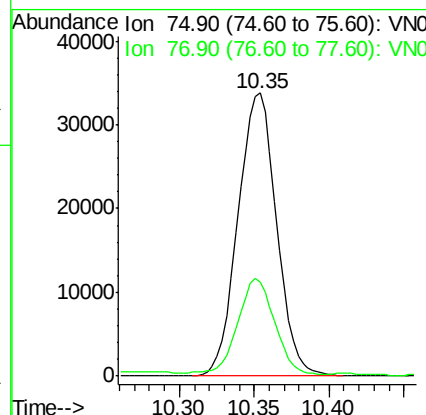
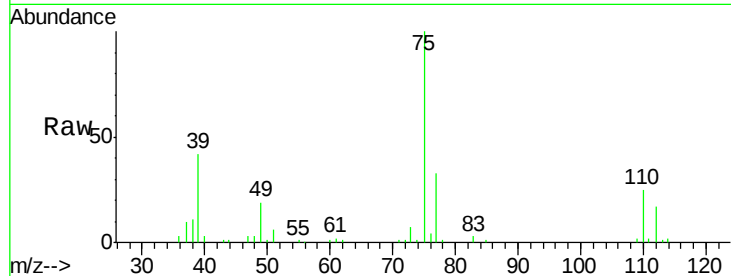




#53  
t-1,3-Dichloropropene  
Concen: 17.108 ug/l  
RT: 10.35 min Scan# 2679  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

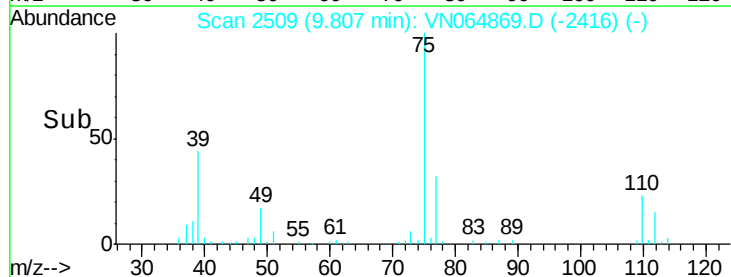
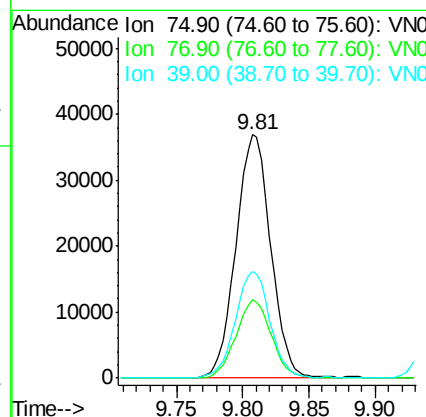
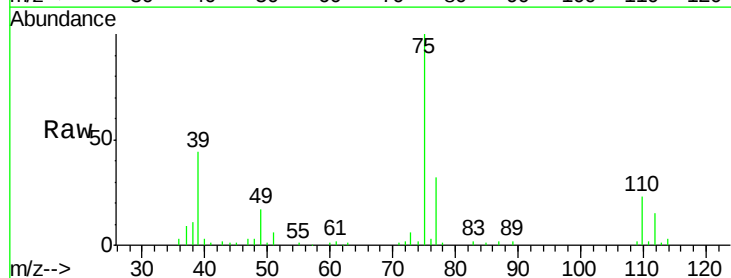
Instrument :  
MSVOA\_N  
ClientSampleId :

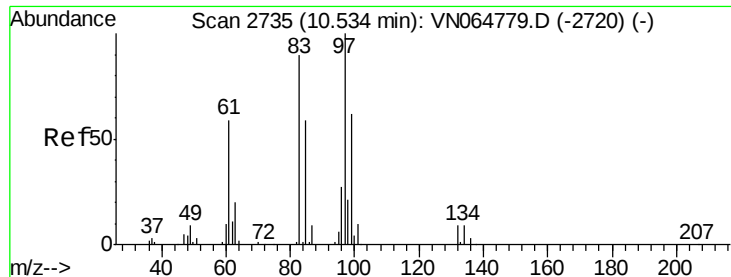
Tot Ion: 75 Resp: 60710  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.8 38.6



#54  
cis-1,3-Dichloropropene  
Concen: 17.725 ug/l  
RT: 9.81 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 75 Resp: 67417  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.5 38.3  
39 43.6 35.6 53.4



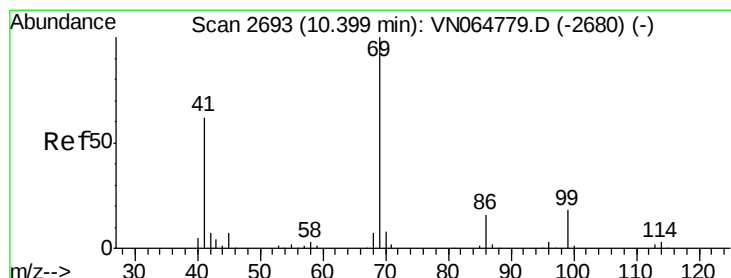
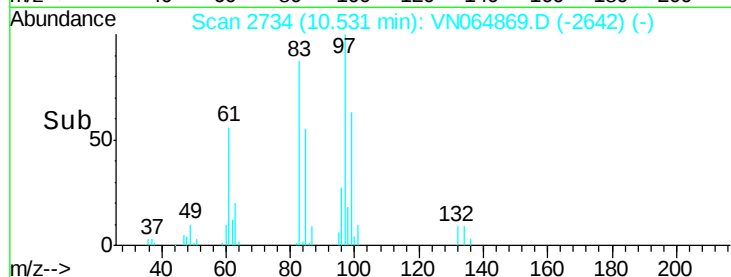
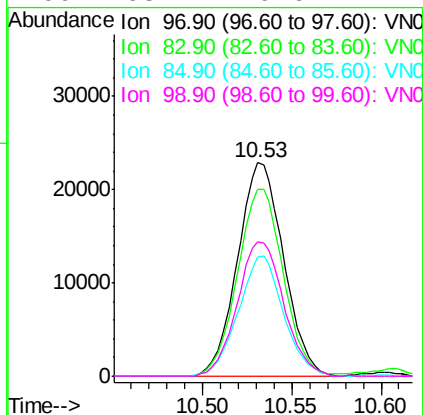
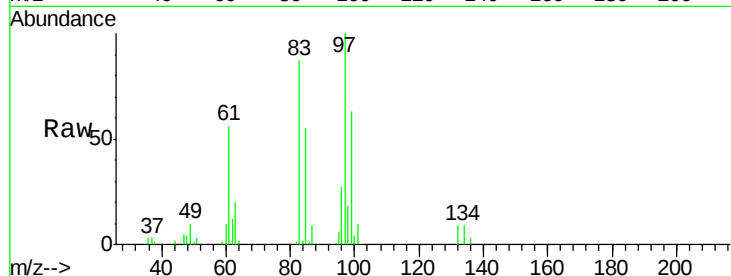


#55  
 1,1,2-Trichloroethane  
 Concen: 17.810 ug/l  
 RT: 10.53 min Scan# 2734  
 Delta R.T. -0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 97 Resp: 41278  

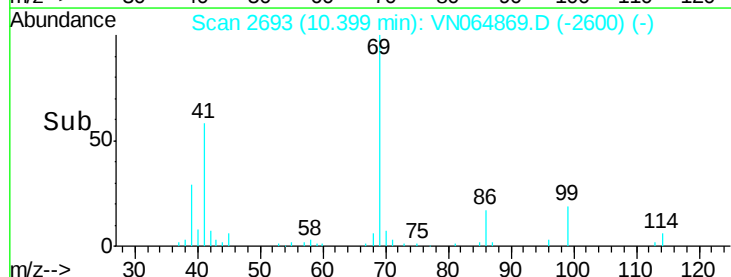
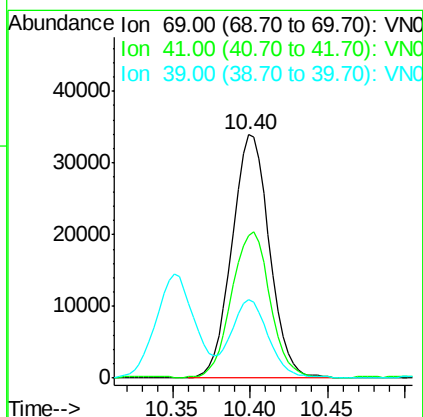
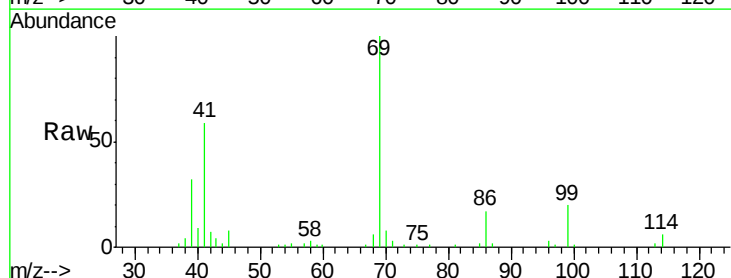
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.5  | 72.1  | 108.1 |
| 85  | 55.5  | 46.8  | 70.2  |
| 99  | 63.2  | 49.6  | 74.4  |

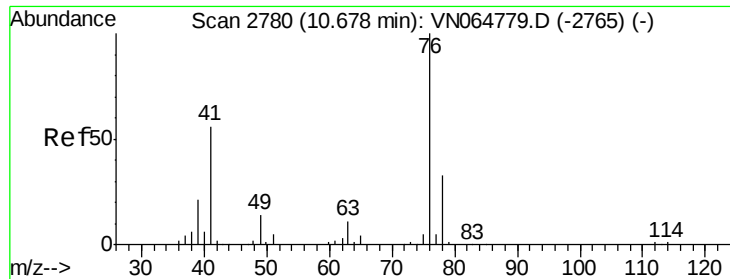


#56  
 Ethyl methacrylate  
 Concen: 17.879 ug/l  
 RT: 10.40 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 69 Resp: 57183  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 62.0  | 49.4  | 74.0  |
| 39  | 32.5  | 25.9  | 38.9  |

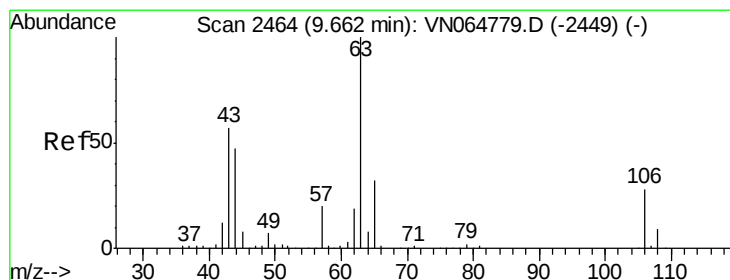
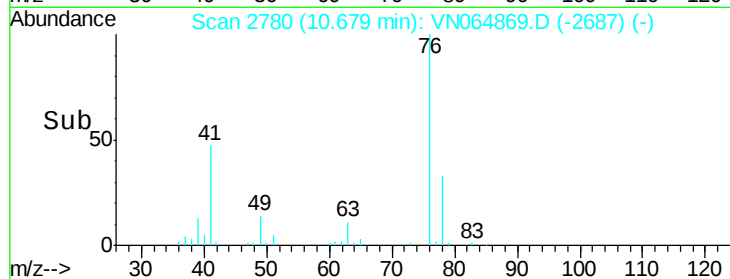
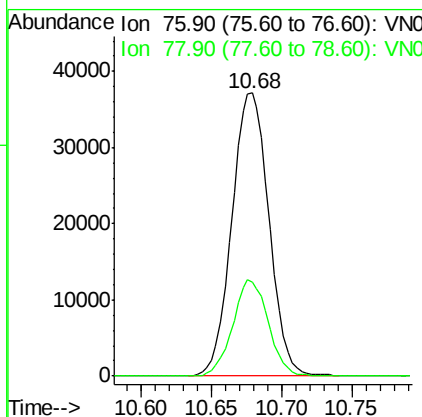
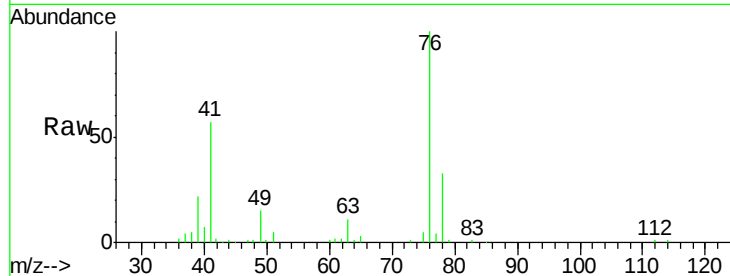




#57  
 1,3-Dichloropropane  
 Concen: 17.884 ug/l  
 RT: 10.68 min Scan# 2780  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

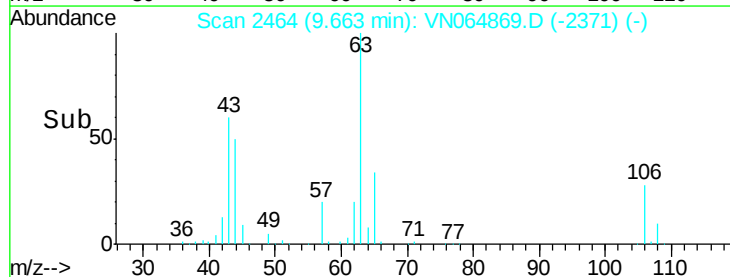
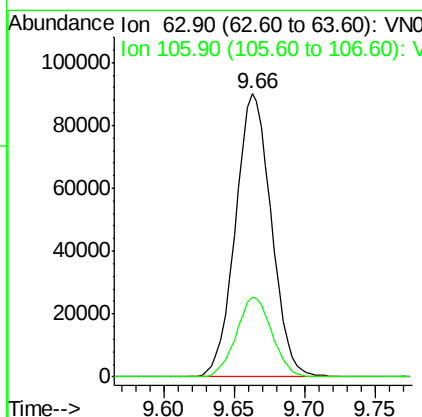
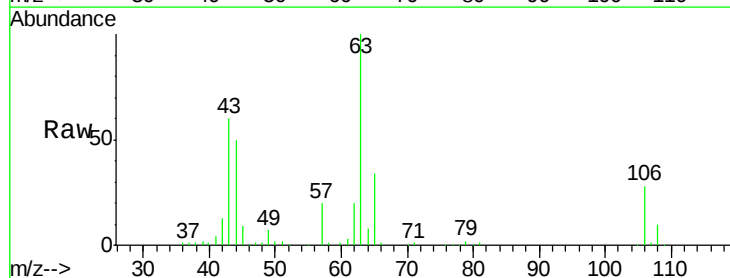
Instrument :  
 MSVOA\_N  
 ClientSampled :

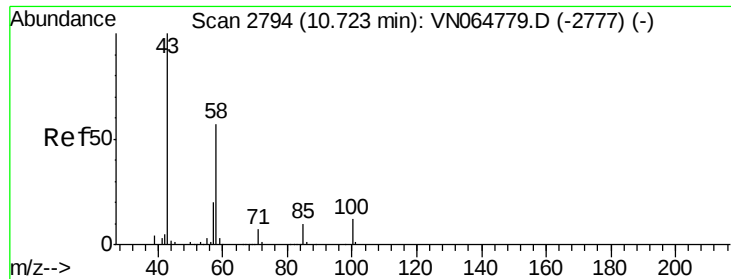
Tot Ion: 76 Resp: 68375  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 26.1 39.1



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 91.151 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 63 Resp: 160363  
 Ion Ratio Lower Upper  
 63 100  
 106 28.0 22.7 34.1

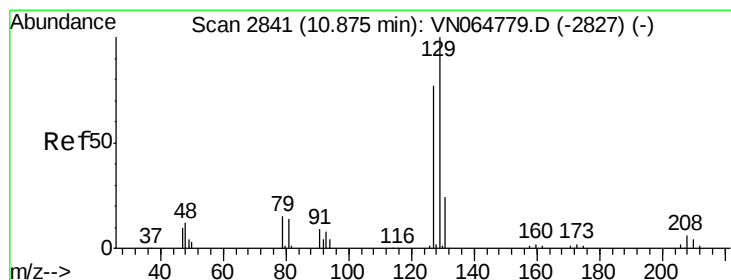
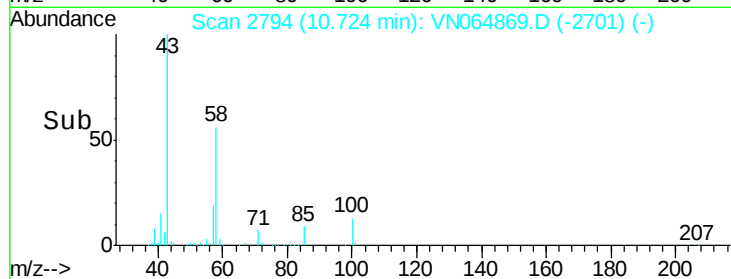
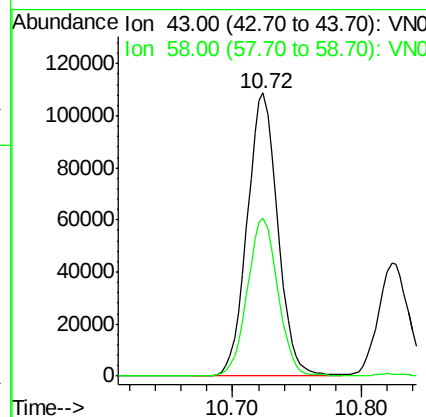
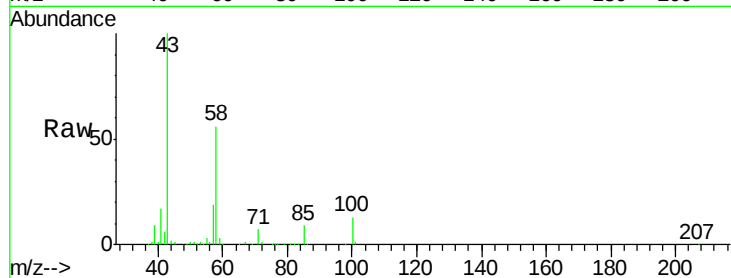




#59  
2-Hexanone  
Concen: 89.908 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

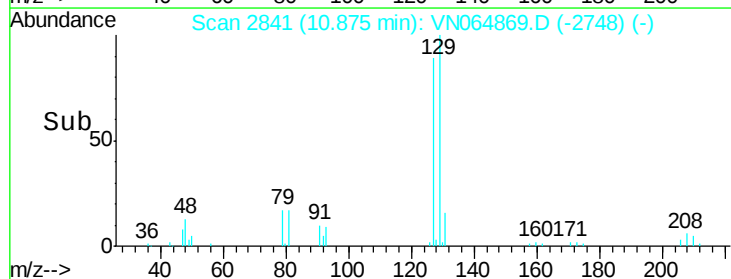
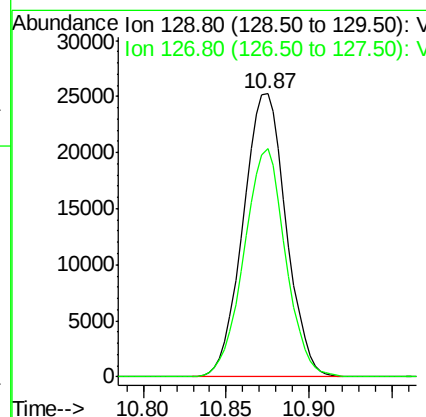
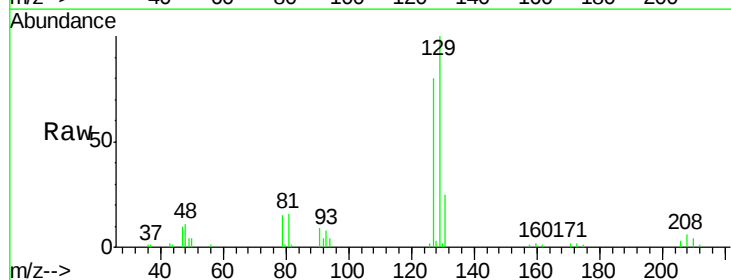
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 43 Resp: 179833  
Ion Ratio Lower Upper  
43 100  
58 55.9 28.3 84.9



#60  
Dibromochloromethane  
Concen: 17.651 ug/l  
RT: 10.87 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 129 Resp: 45474  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.1 117.2

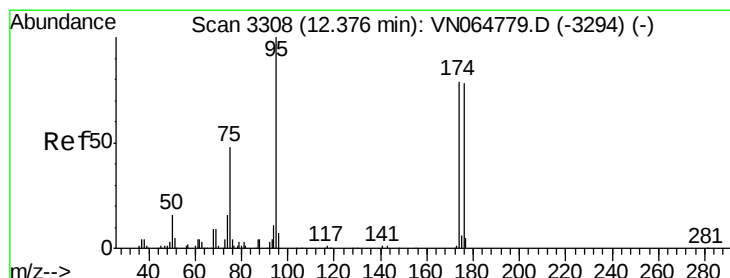
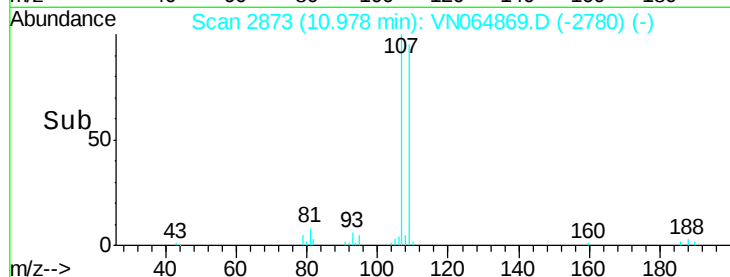
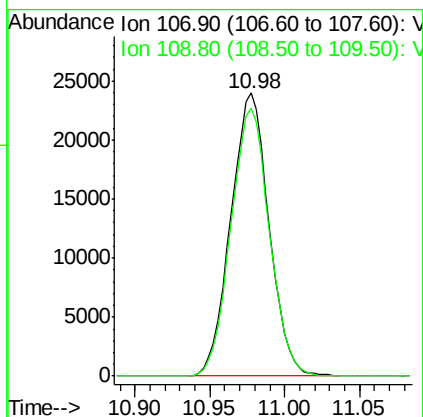
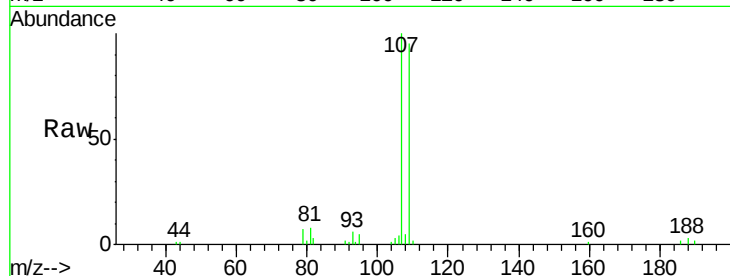




#61  
 1,2-Dibromoethane  
 Concen: 18.090 ug/l  
 RT: 10.98 min Scan# 2873  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

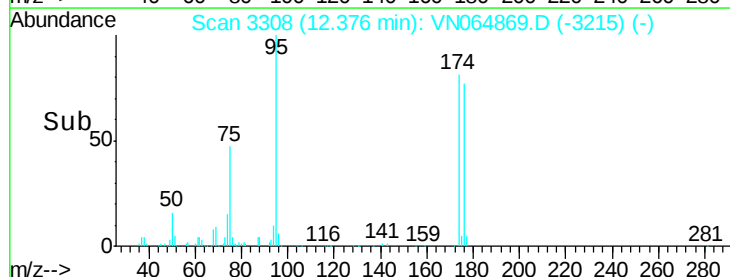
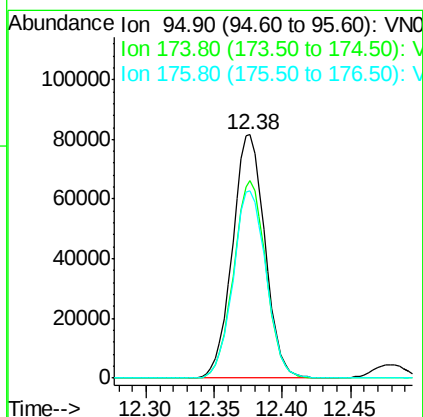
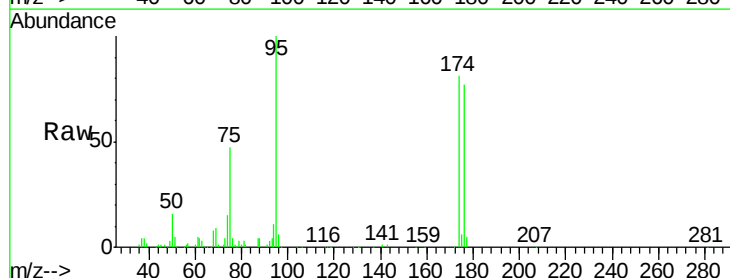
Instrument :  
 MSVOA\_N  
 ClientSampled :

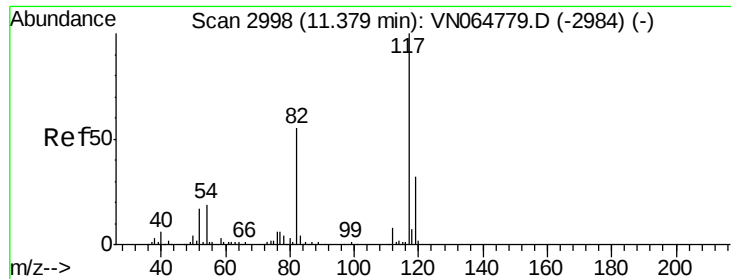
Tot Ion: 107 Resp: 42597  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 76.0 114.0



#62  
 4-Bromofluorobenzene  
 Concen: 47.827 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion: 95 Resp: 134842  
 Ion Ratio Lower Upper  
 95 100  
 174 80.7 0.0 160.4  
 176 78.2 0.0 158.4

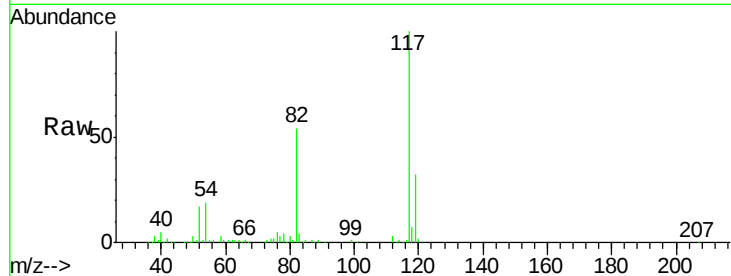




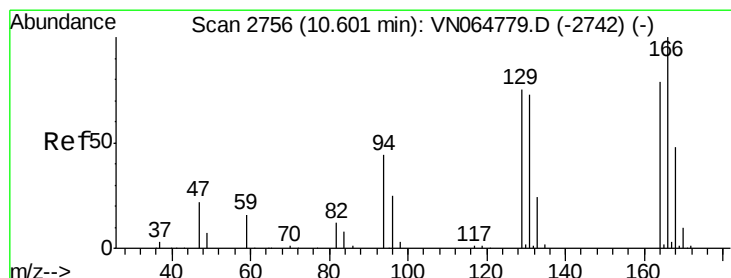
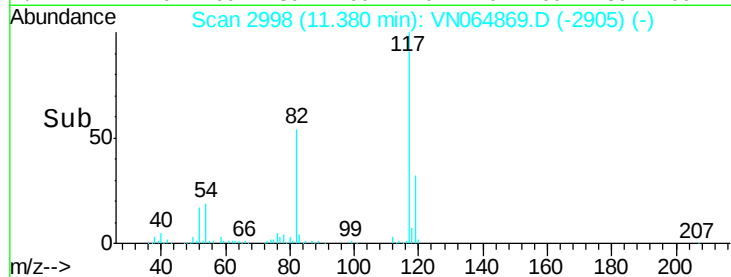
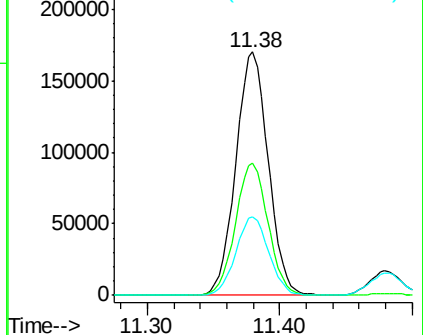
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 289223  
Ion Ratio Lower Upper  
117 100  
82 54.1 44.2 66.2  
119 32.4 25.8 38.6

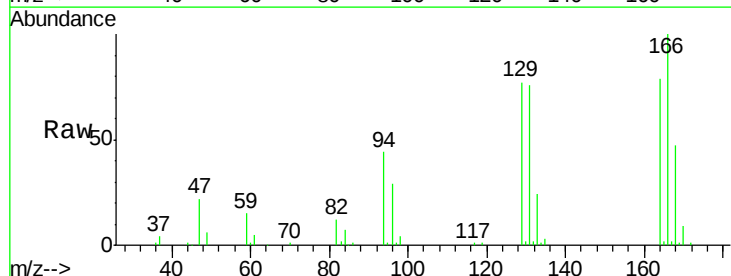


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

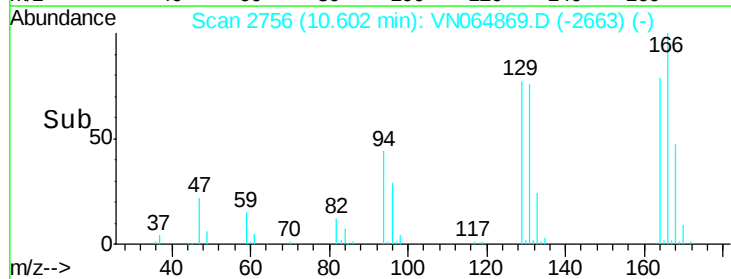
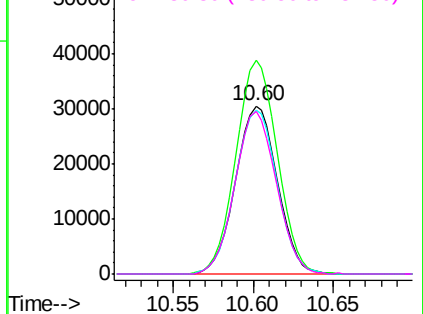


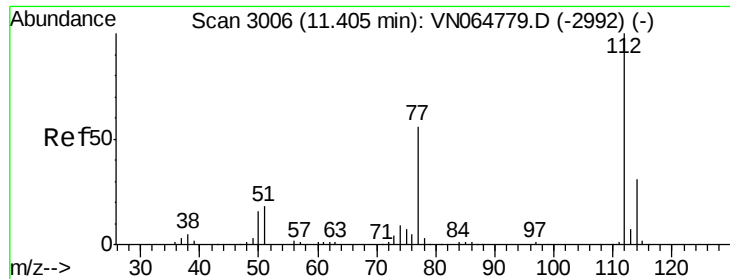
#64  
Tetrachloroethene  
Concen: 19.249 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion:164 Resp: 54164  
Ion Ratio Lower Upper  
164 100  
166 127.2 101.4 152.0  
129 97.5 76.1 114.1  
131 96.5 74.2 111.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

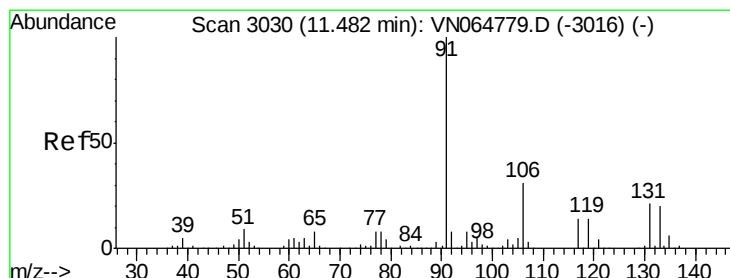
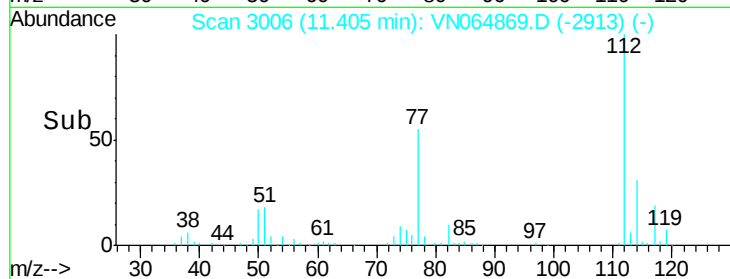
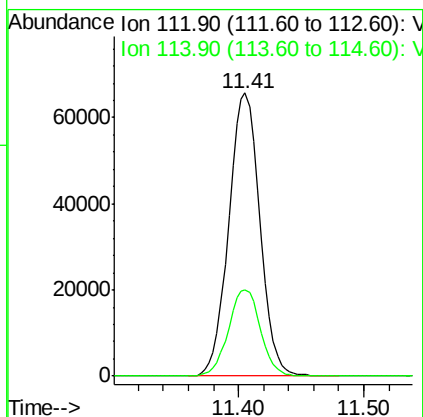
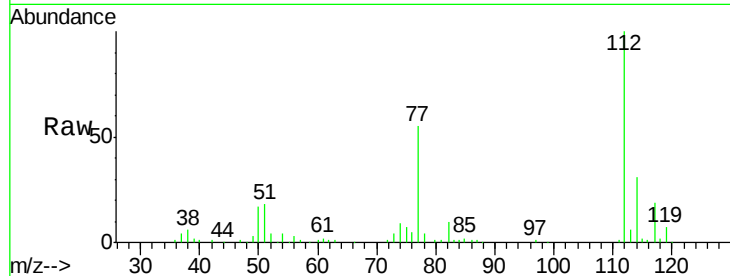




#65  
Chlorobenzene  
Concen: 18.206 ug/l  
RT: 11.41 min Scan# 3006  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

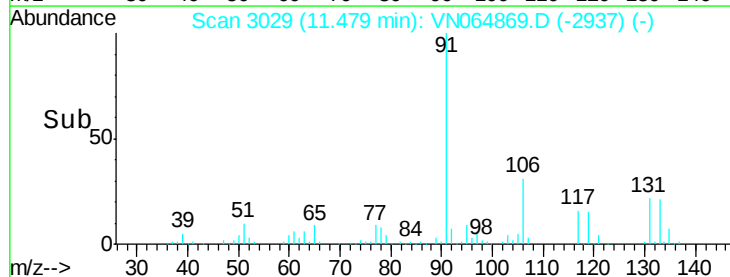
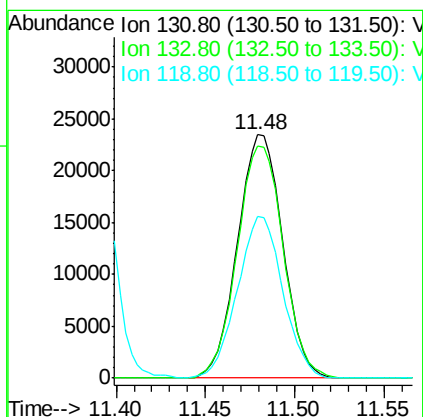
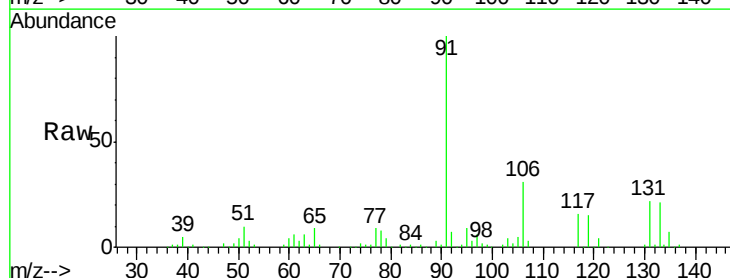
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:112 Resp: 113077  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.146 ug/l  
RT: 11.48 min Scan# 3029  
Delta R.T. -0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion:131 Resp: 41419  
Ion Ratio Lower Upper  
131 100  
133 97.6 47.5 142.5  
119 66.8 33.3 99.8

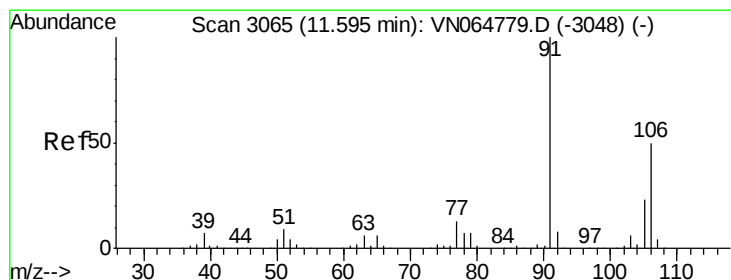
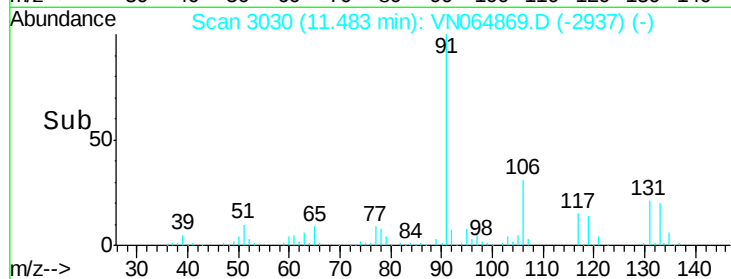
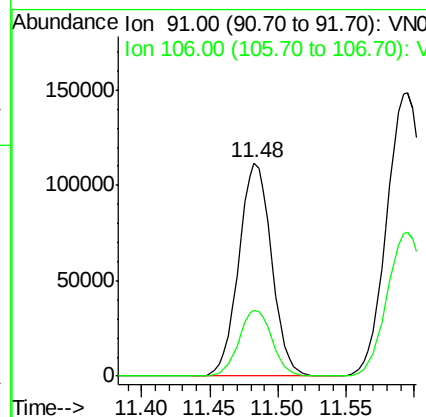
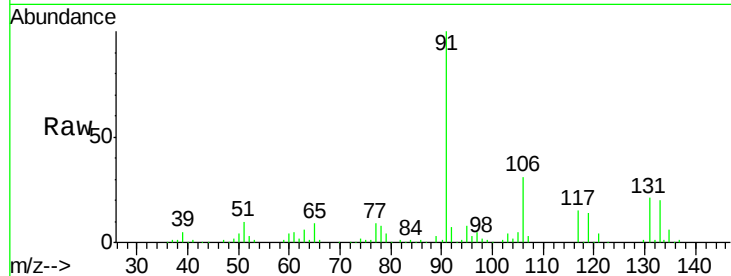




#67  
Ethyl Benzene  
Concen: 18.017 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

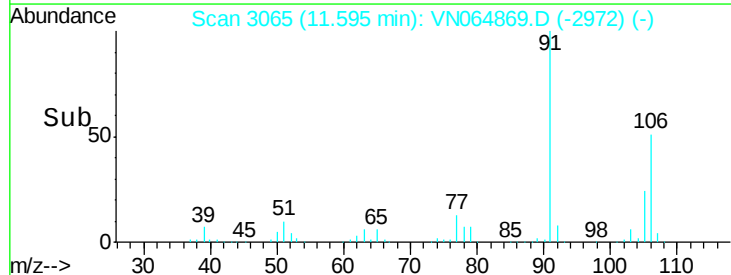
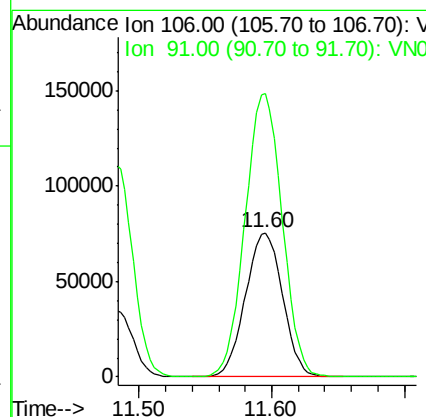
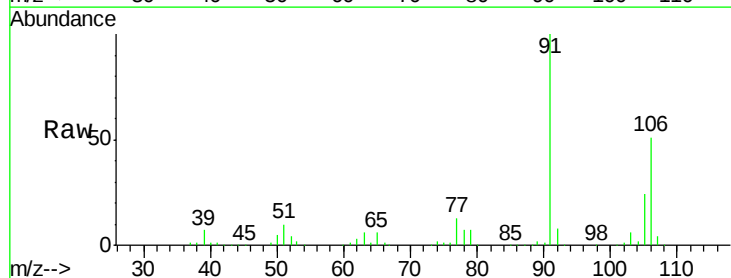
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 91 Resp: 186941  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.2 37.8



#68  
m/p-Xylenes  
Concen: 37.456 ug/l  
RT: 11.60 min Scan# 3065  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion: 106 Resp: 147142  
Ion Ratio Lower Upper  
106 100  
91 195.6 161.0 241.4

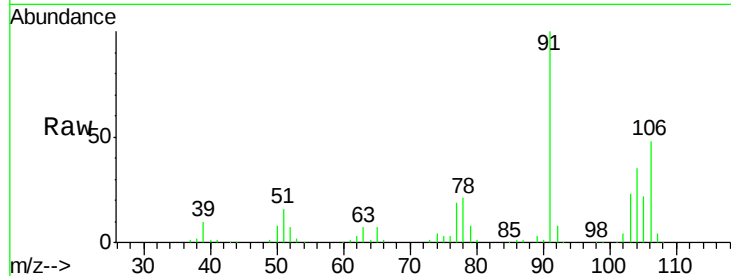




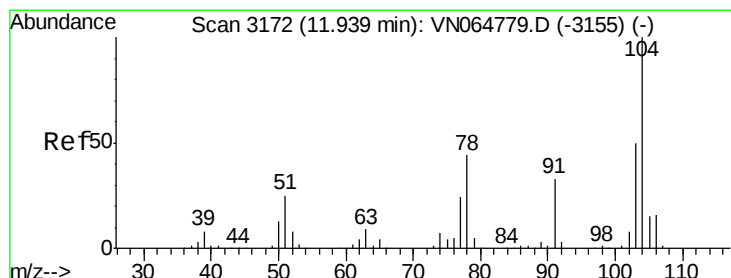
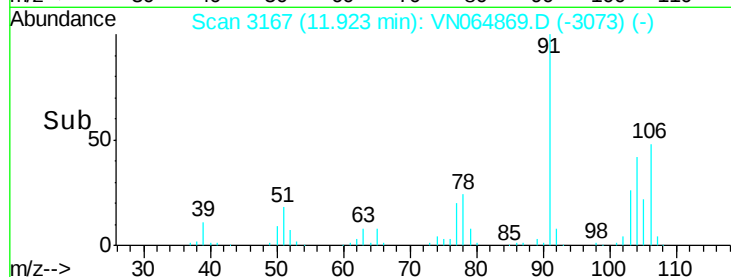
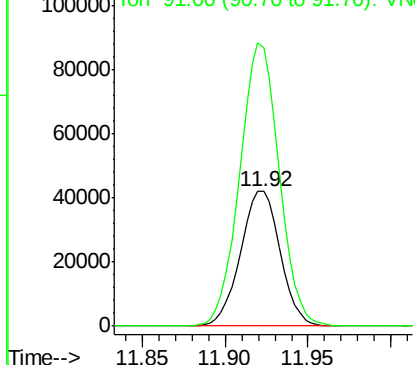
#69  
o-Xylene  
Concen: 18.807 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 70110  
Ion Ratio Lower Upper  
106 100  
91 208.4 105.5 316.5

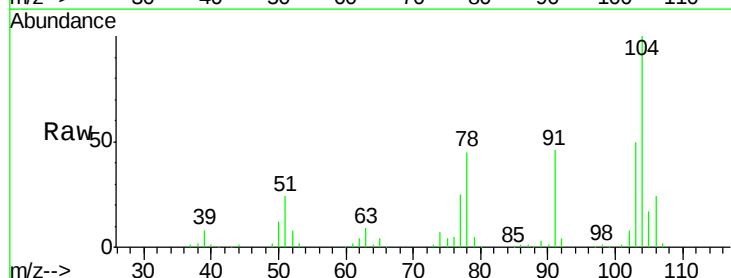


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

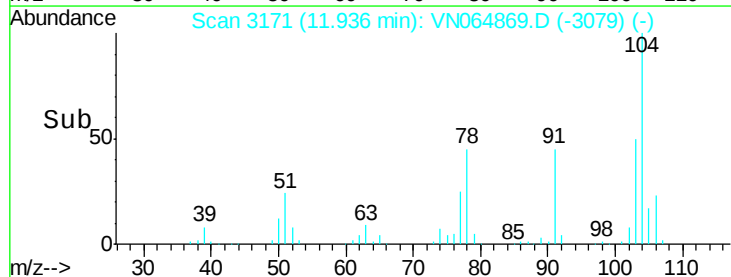
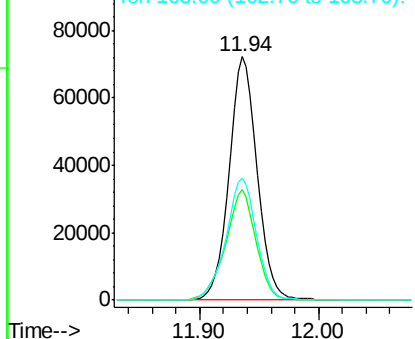


#70  
Styrene  
Concen: 18.694 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. -0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion:104 Resp: 117644  
Ion Ratio Lower Upper  
104 100  
78 49.1 39.0 58.6  
103 54.6 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V

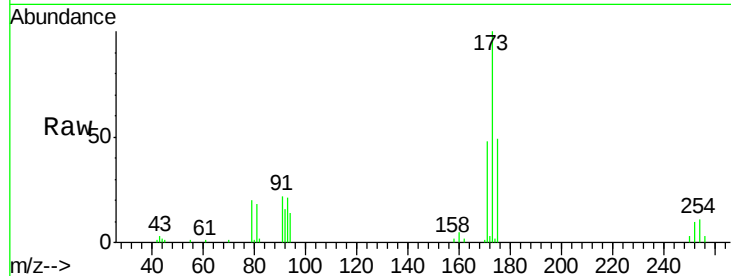




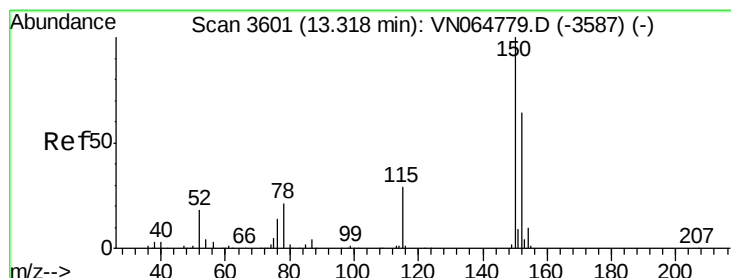
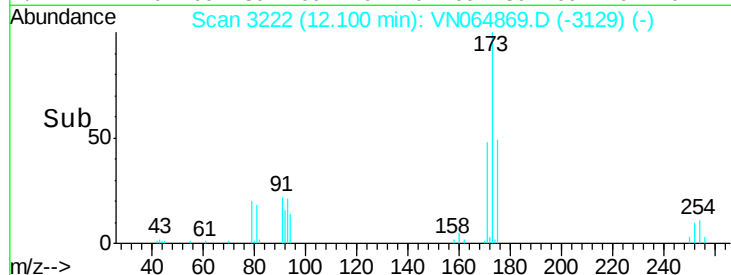
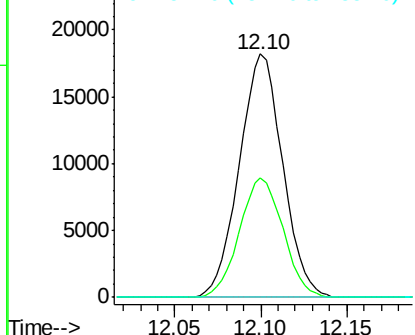
#71  
Bromoform  
Concen: 17.448 ug/l  
RT: 12.10 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:173 Resp: 31809  
Ion Ratio Lower Upper  
173 100  
175 49.3 24.3 72.8  
254 0.0 0.0 0.0

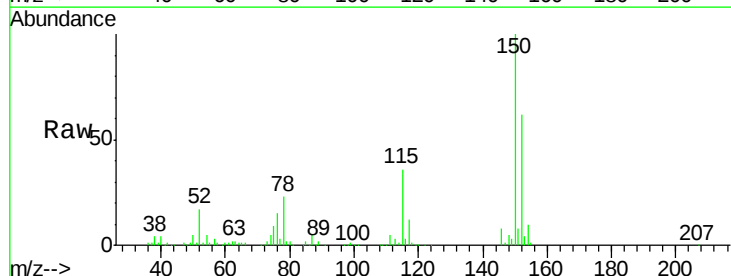


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

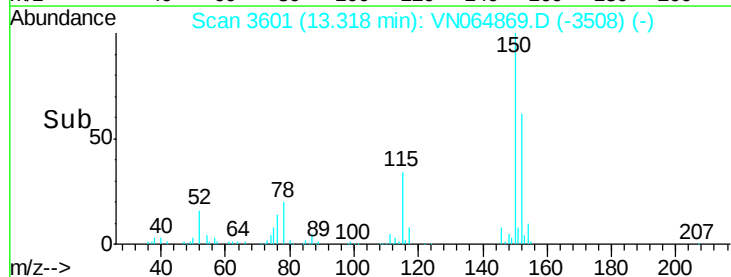
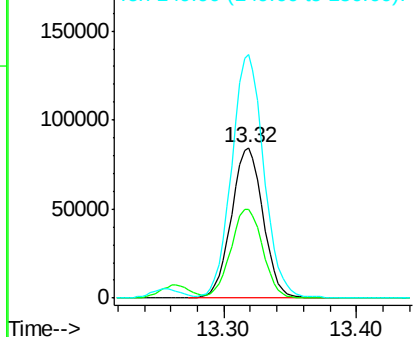


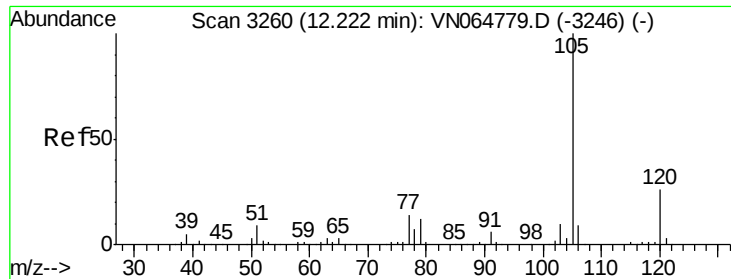
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion:152 Resp: 139995  
Ion Ratio Lower Upper  
152 100  
115 59.9 29.7 89.1  
150 164.5 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.820 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

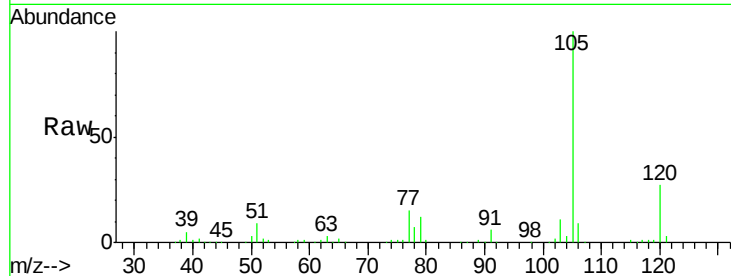
ClientSampled :

Tot Ion:105 Resp: 183265

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

100000

80000

60000

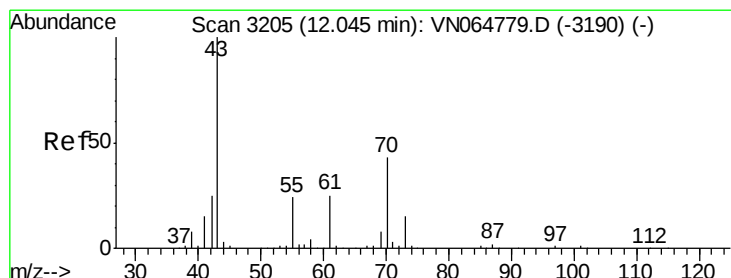
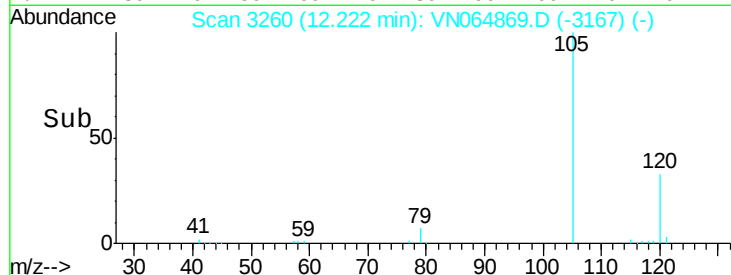
40000

20000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 17.567 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Tgt Ion: 43 Resp: 67317

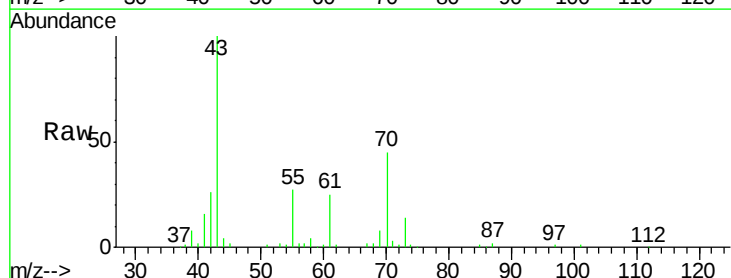
Ion Ratio Lower Upper

43 100

70 44.6 34.5 51.7

55 27.1 20.4 30.6

61 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

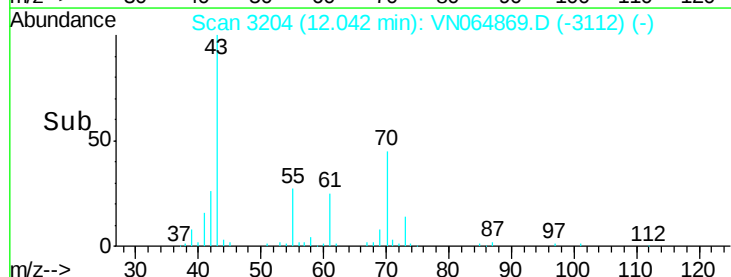
20000

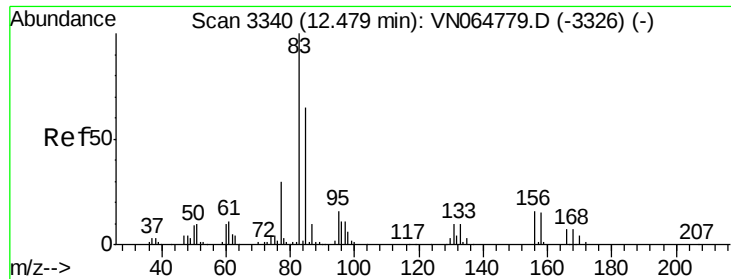
10000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 17.155 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampleId :

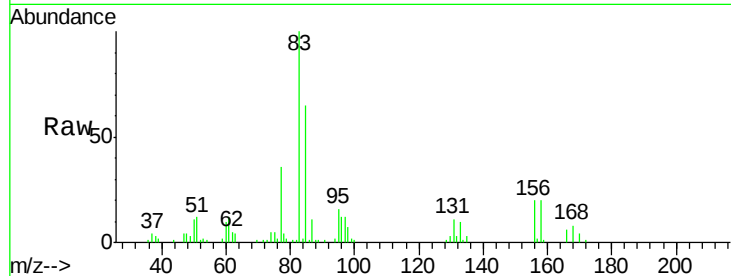
Tot Ion: 83 Resp: 48963

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.3

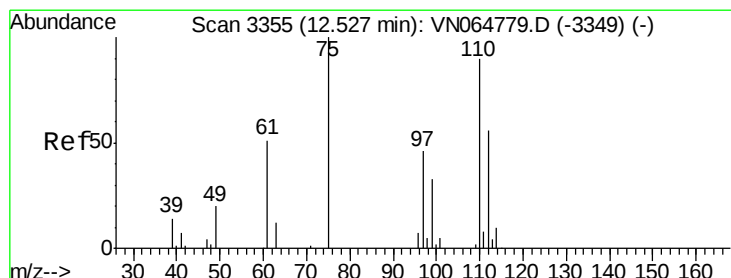
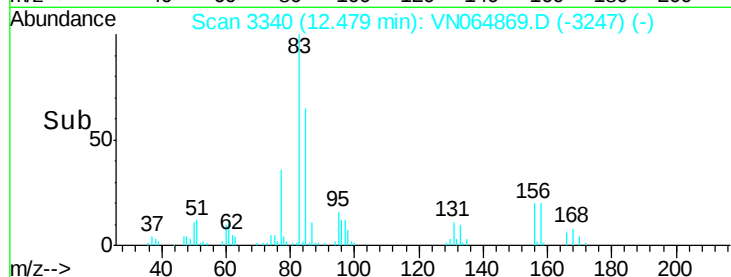
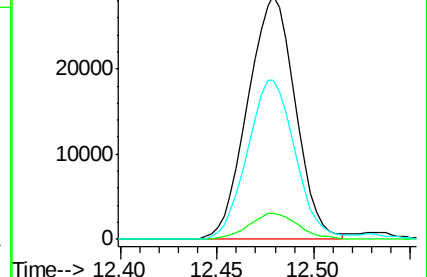
85 65.7 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064779.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 24.887 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064869.D

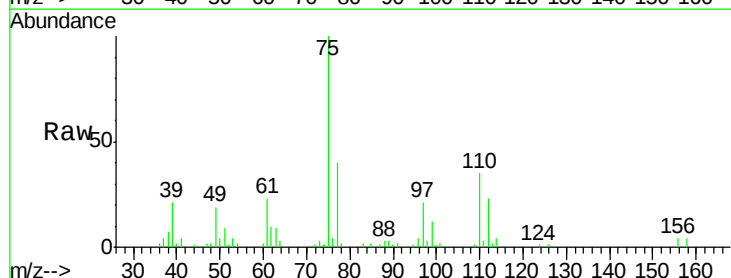
Acq: 30 Nov 2020 13:44

Tgt Ion: 75 Resp: 75032

Ion Ratio Lower Upper

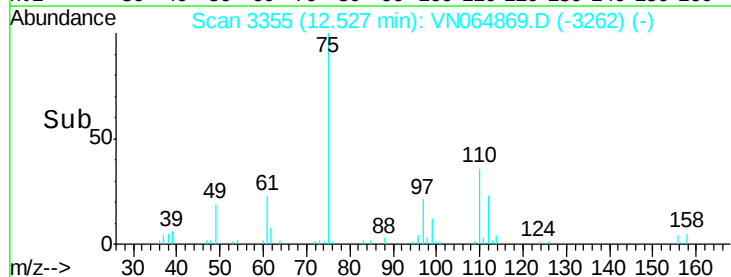
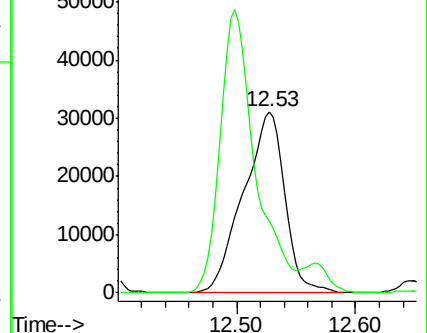
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)





#77

Bromobenzene

Concen: 18.260 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

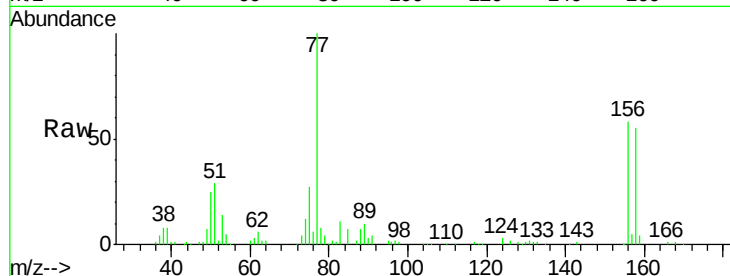
Tot Ion:156 Resp: 47936

Ion Ratio Lower Upper

156 100

77 207.1 101.3 303.7

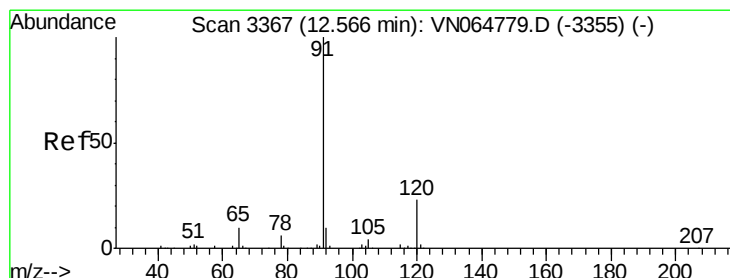
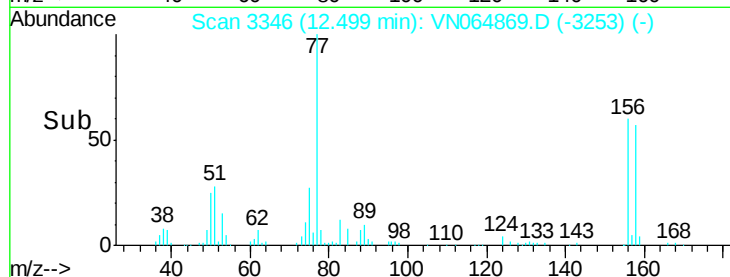
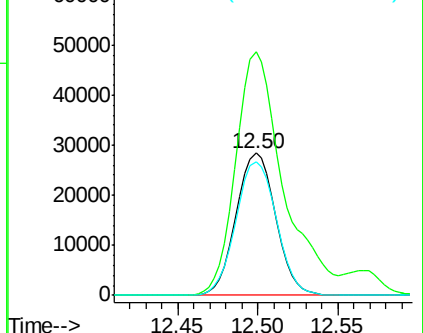
158 96.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.700 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064869.D

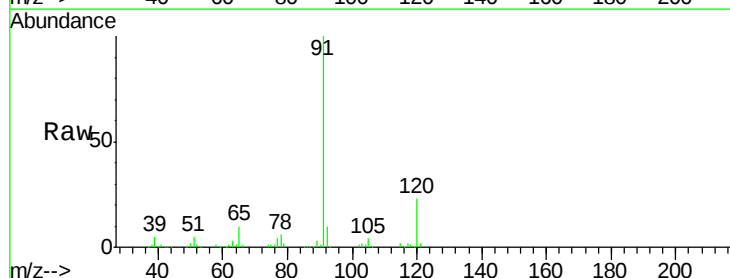
Acq: 30 Nov 2020 13:44

Tgt Ion: 91 Resp: 207438

Ion Ratio Lower Upper

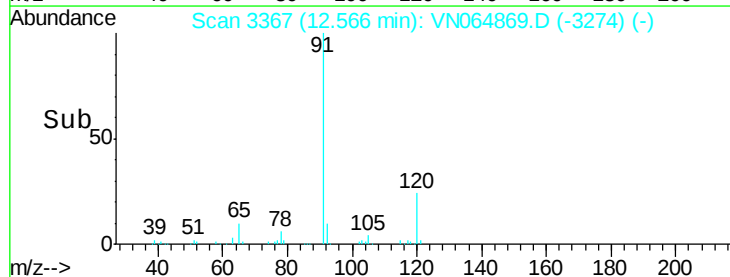
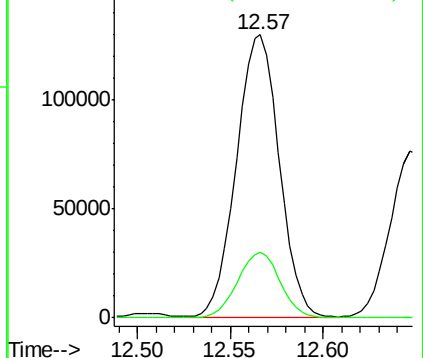
91 100

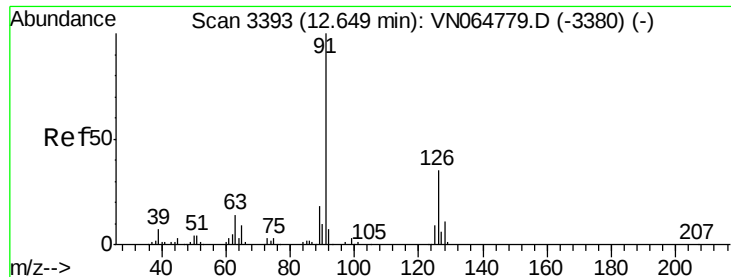
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.368 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

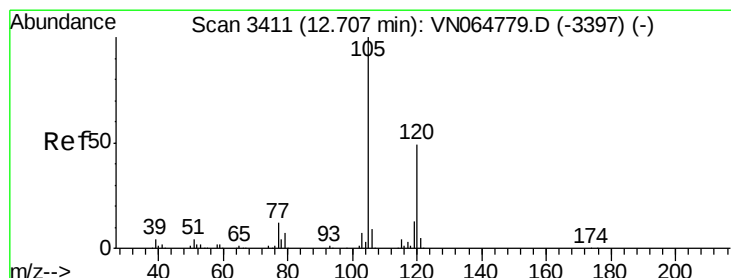
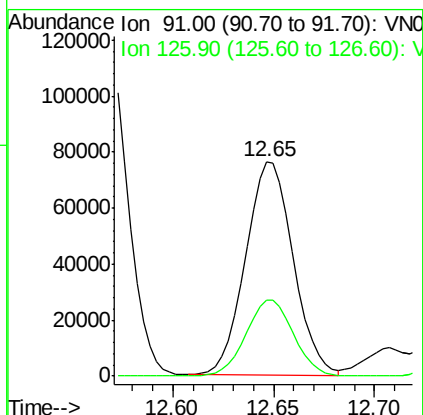
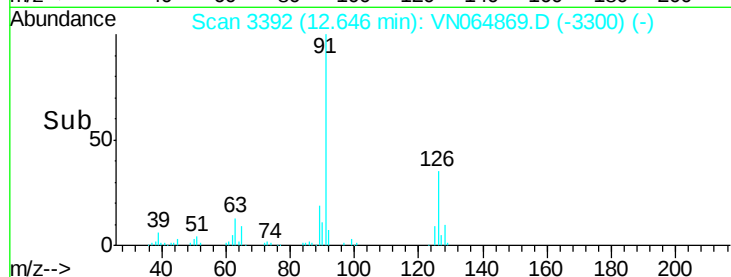
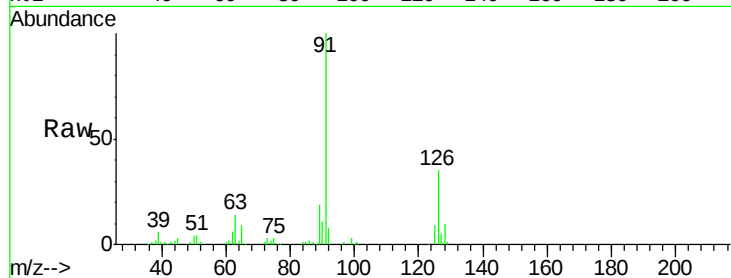
ClientSampleId :

Tot Ion: 91 Resp: 125949

Ion Ratio Lower Upper

91 100

126 35.6 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 19.241 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064869.D

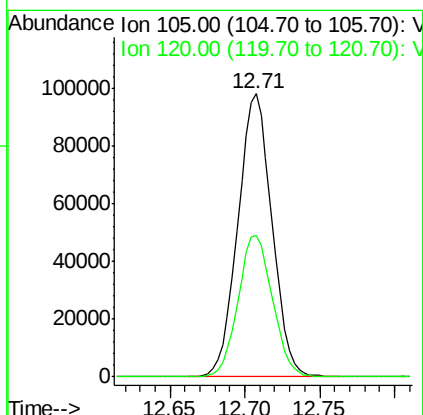
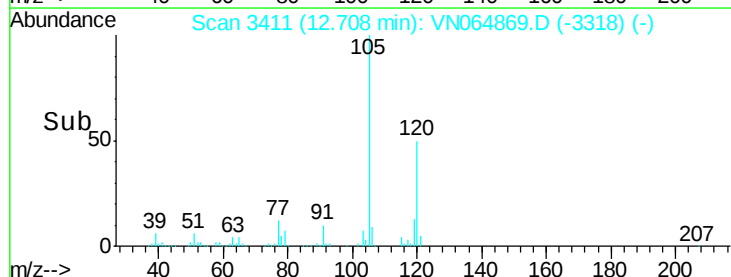
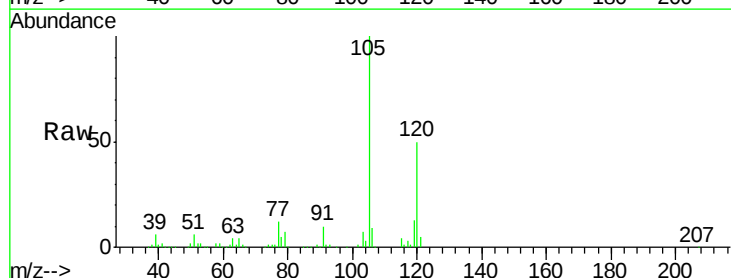
Acq: 30 Nov 2020 13:44

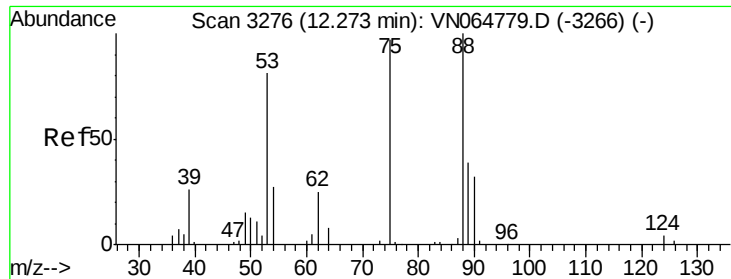
Tgt Ion: 105 Resp: 155731

Ion Ratio Lower Upper

105 100

120 50.3 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.778 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

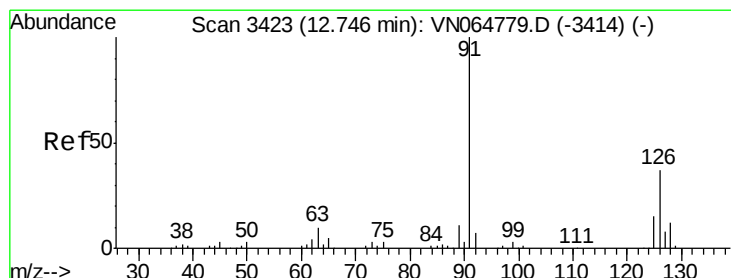
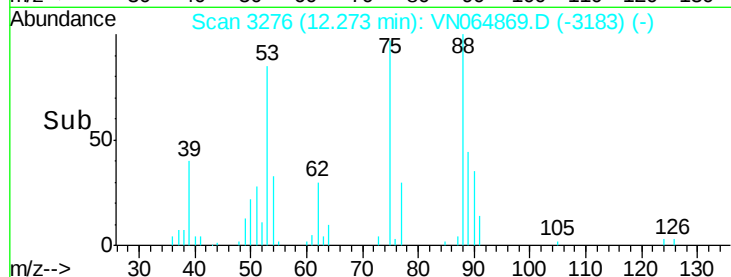
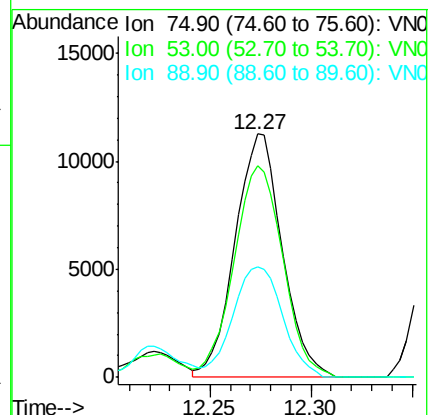
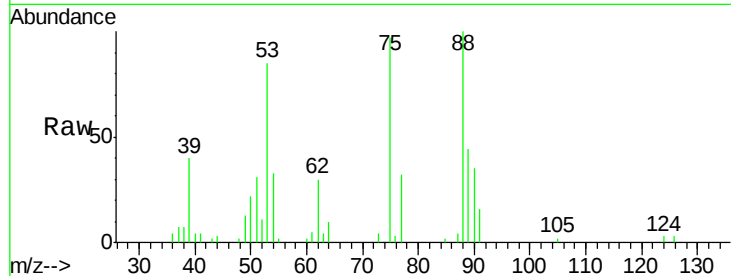
Tot Ion: 75 Resp: 18456

Ion Ratio Lower Upper

75 100

53 90.5 67.0 100.4

89 48.1 39.6 59.4



#82

4-Chlorotoluene

Concen: 18.068 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064869.D

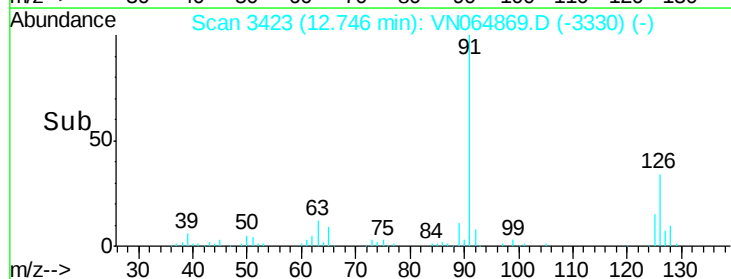
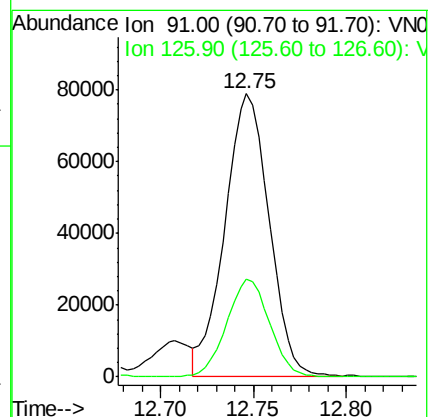
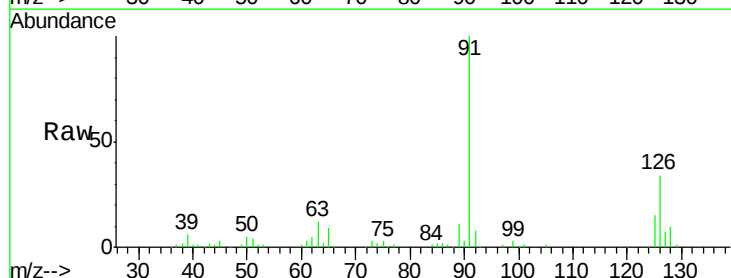
Acq: 30 Nov 2020 13:44

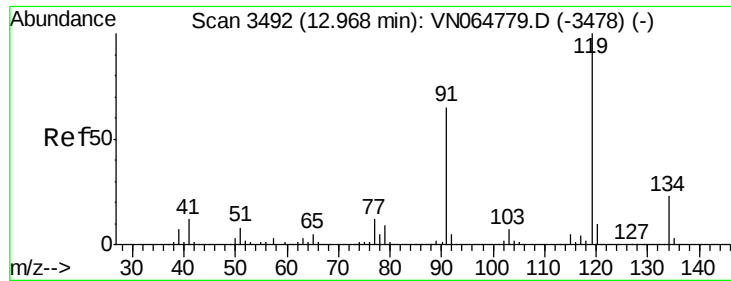
Tgt Ion: 91 Resp: 129868

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7

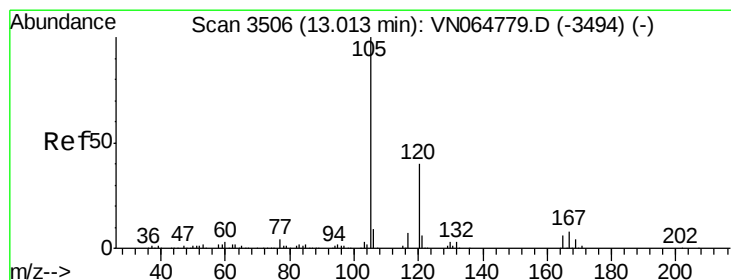
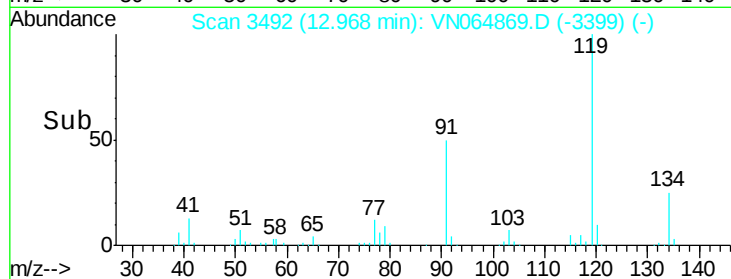
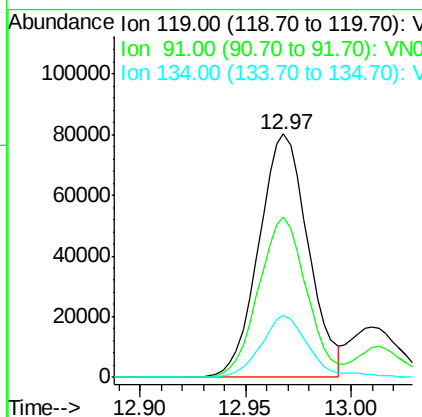
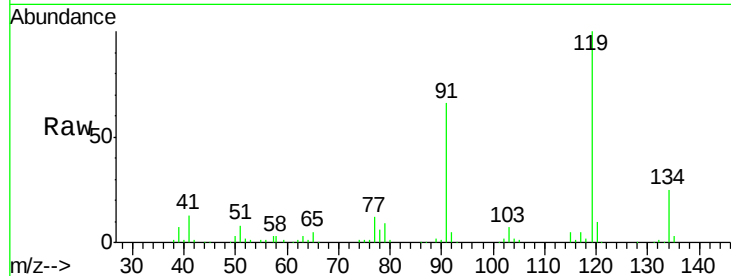




#83  
 tert-Butylbenzene  
 Concen: 19.236 ug/l  
 RT: 12.97 min Scan# 3492  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

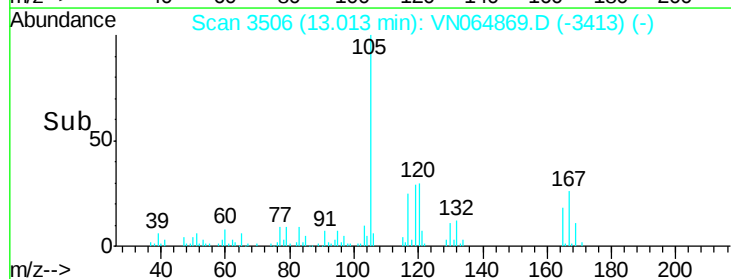
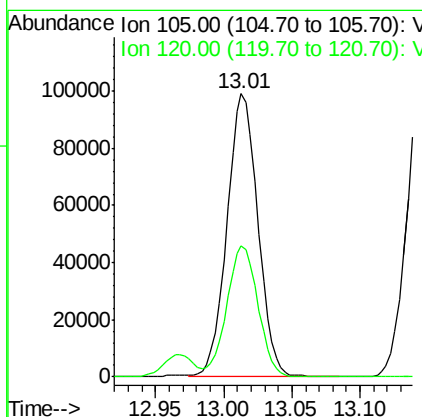
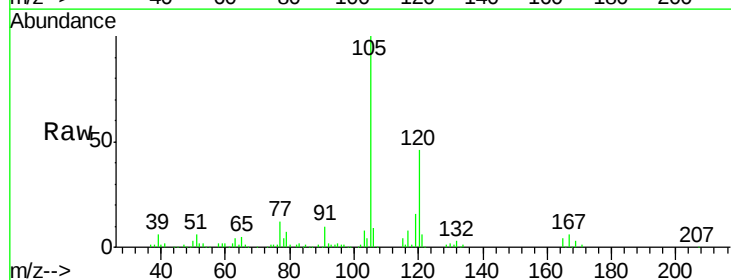
Instrument :  
 MSVOA\_N  
 ClientSampleId :

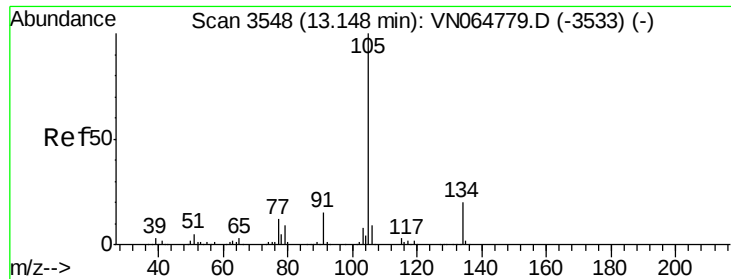
Tot Ion:119 Resp: 130499  
 Ion Ratio Lower Upper  
 119 100  
 91 64.4 32.3 96.8  
 134 24.7 12.6 37.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.936 ug/l  
 RT: 13.01 min Scan# 3506  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion:105 Resp: 154964  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.383 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

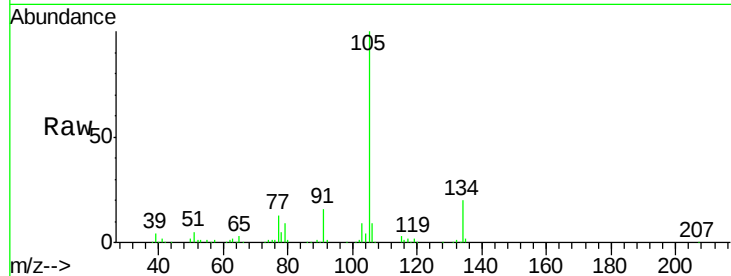
ClientSampled :

Tot Ion:105 Resp: 174597

Ion Ratio Lower Upper

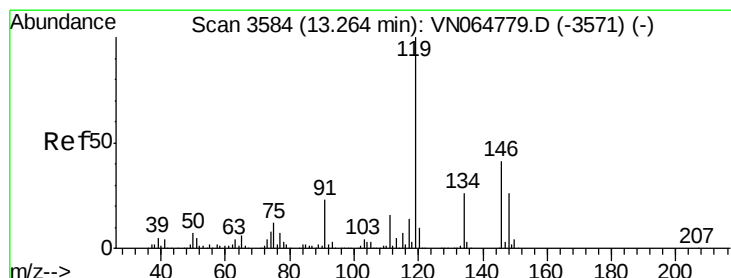
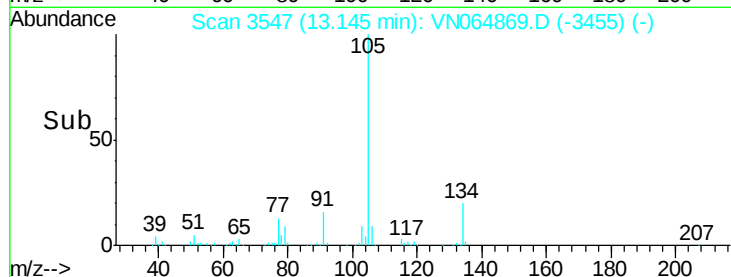
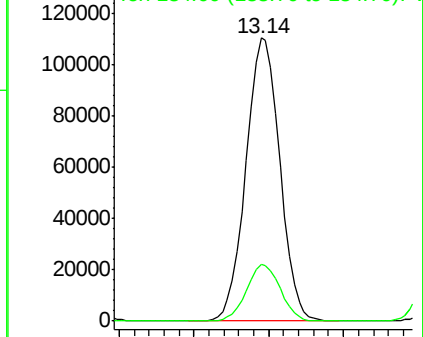
105 100

134 19.8 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.585 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

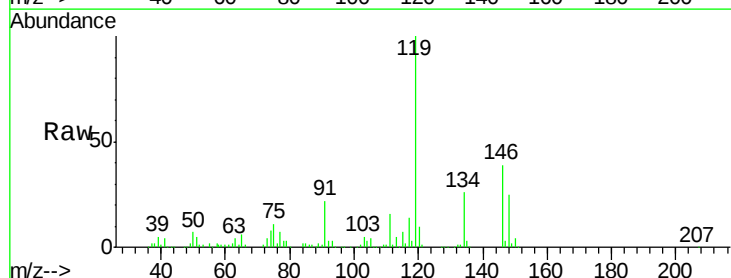
Tgt Ion:119 Resp: 160615

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

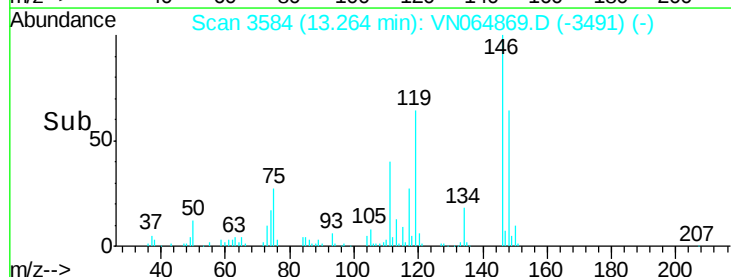
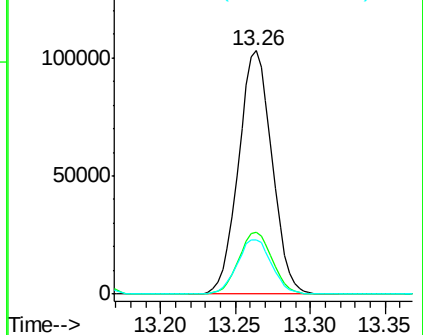
91 23.1 11.5 34.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

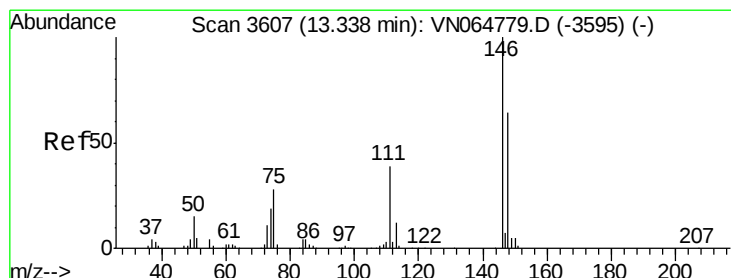
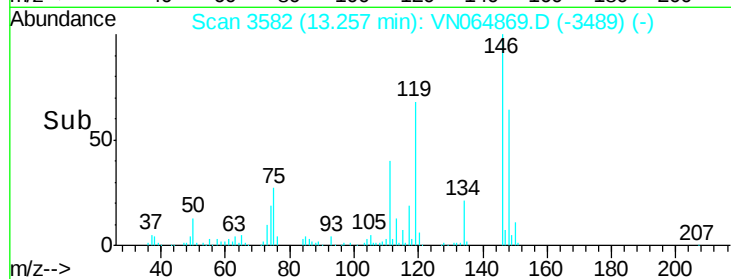
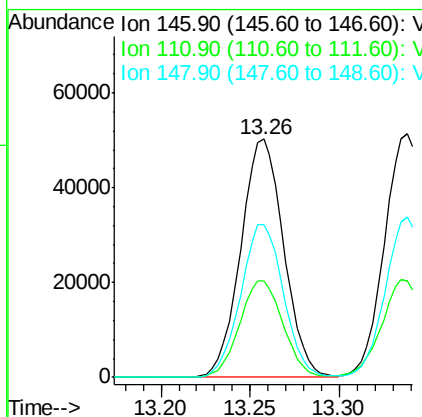
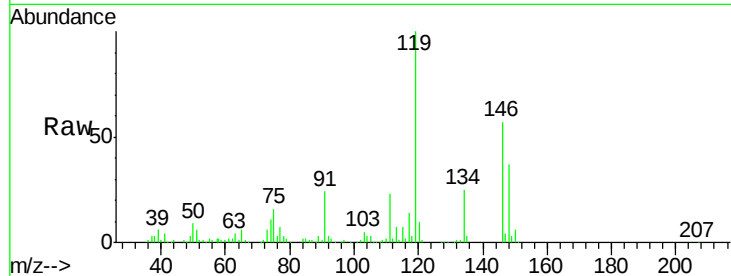




#87  
 1,3-Dichlorobenzene  
 Concen: 18.079 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

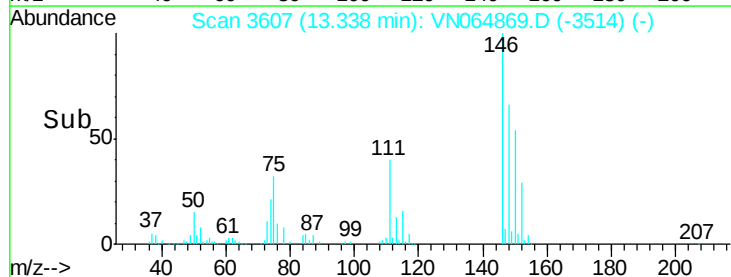
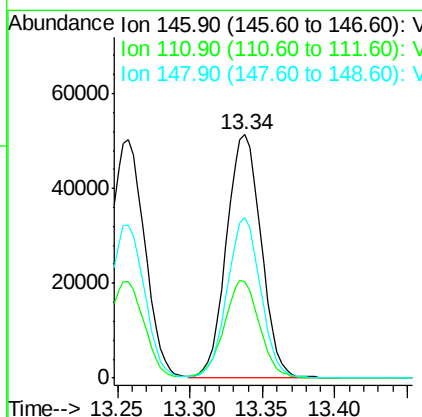
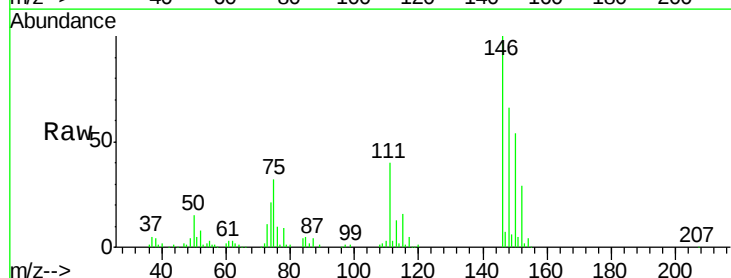
Instrument :  
 MSVOA\_N  
 ClientSampleId :

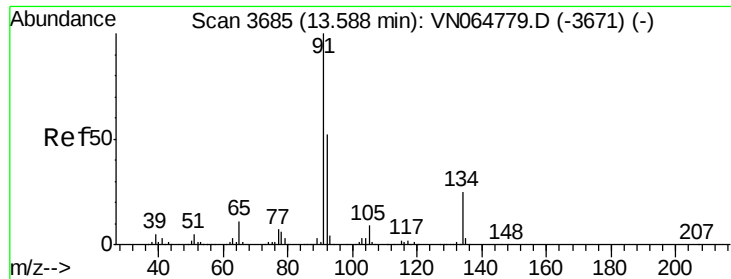
Tot Ion:146 Resp: 84326  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 20.6 61.9  
 148 64.0 31.9 95.5



#88  
 1,4-Dichlorobenzene  
 Concen: 17.302 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN064869.D  
 Acq: 30 Nov 2020 13:44

Tgt Ion:146 Resp: 85343  
 Ion Ratio Lower Upper  
 146 100  
 111 41.2 19.8 59.3  
 148 64.0 31.9 95.5





#89

n-Butylbenzene

Concen: 18.675 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

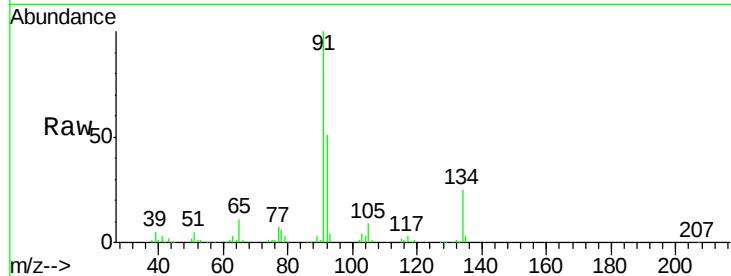
Tot Ion: 91 Resp: 134495

Ion Ratio Lower Upper

91 100

92 49.9 26.0 78.0

134 25.2 12.9 38.6

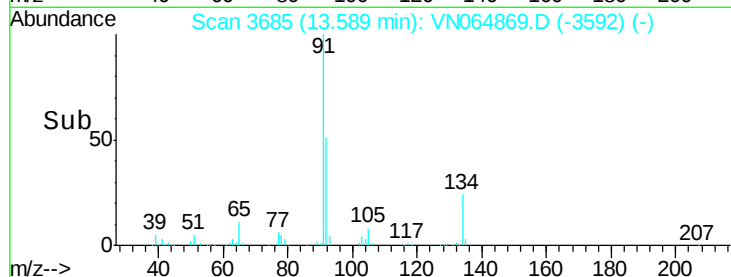


Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3671) (-)

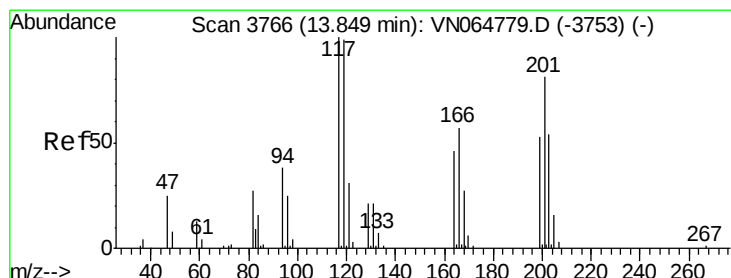
Ion 92.00 (91.70 to 92.70): VN064779.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064779.D (-3671) (-)

Time--> 13.50 13.55 13.60 13.65



Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 18.101 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064869.D

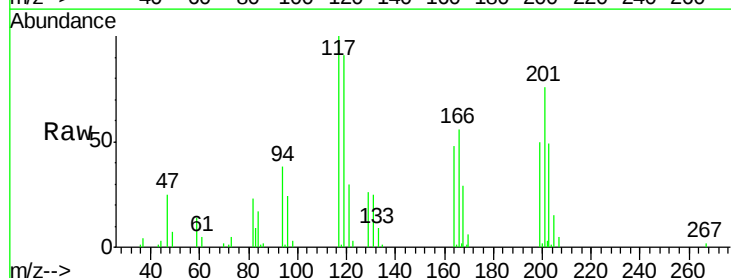
Acq: 30 Nov 2020 13:44

Tgt Ion: 117 Resp: 25787

Ion Ratio Lower Upper

117 100

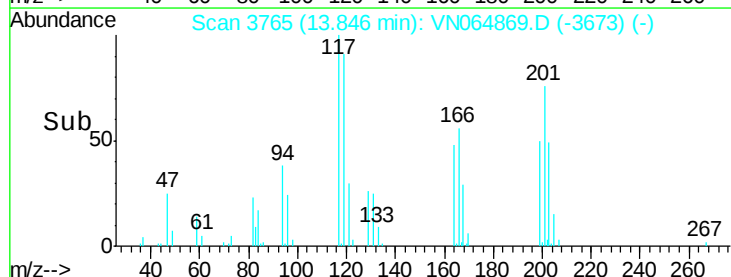
201 80.6 40.1 120.3



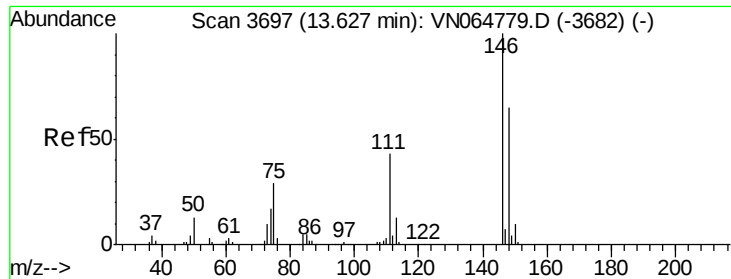
Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-3753) (-)

Ion 200.70 (200.40 to 201.40): VN064779.D (-3753) (-)

Time--> 13.80 13.85 13.90



Time--> 13.80 13.85 13.90



#91

1,2-Dichlorobenzene

Concen: 17.688 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

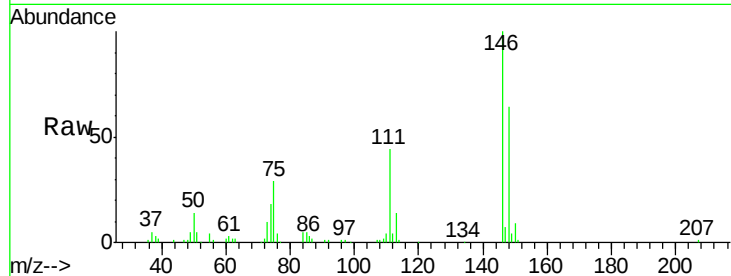
Tot Ion:146 Resp: 81006

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.1

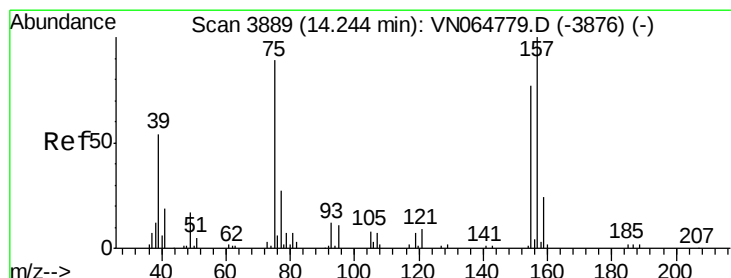
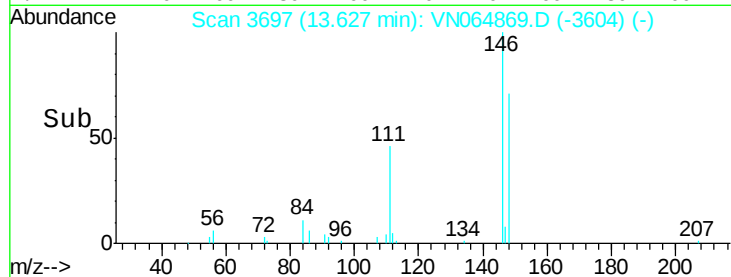
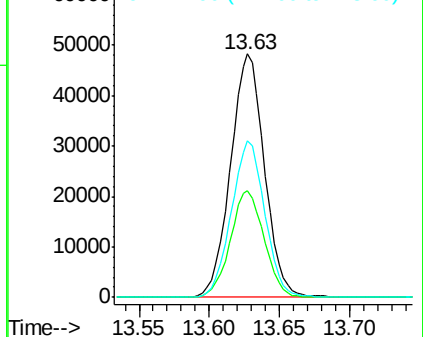
148 63.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.057 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

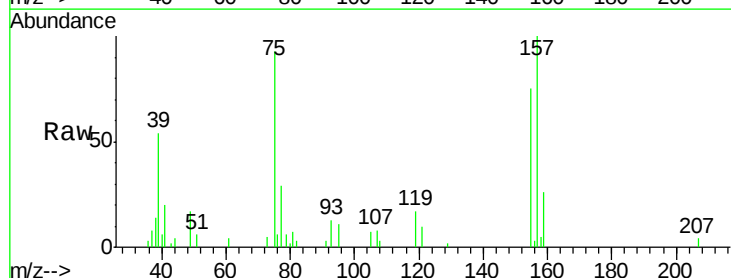
Tgt Ion: 75 Resp: 10954

Ion Ratio Lower Upper

75 100

155 85.0 42.8 128.3

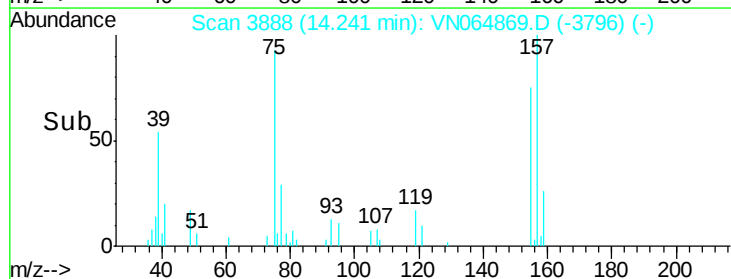
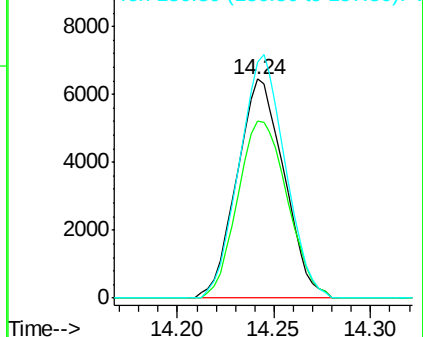
157 108.0 56.4 169.1

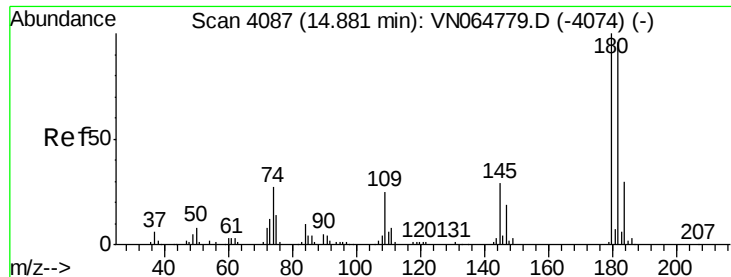


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

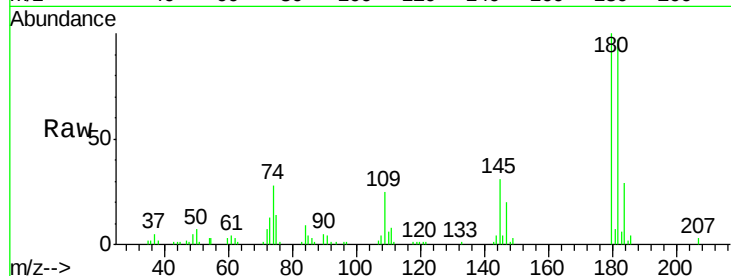




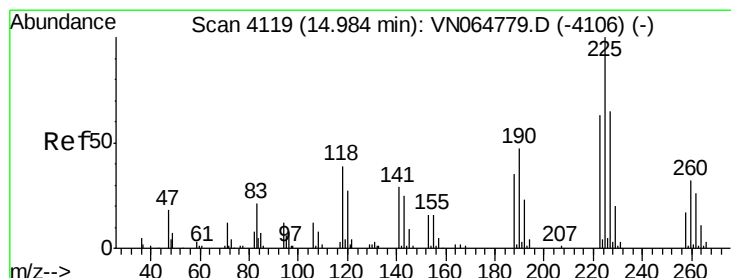
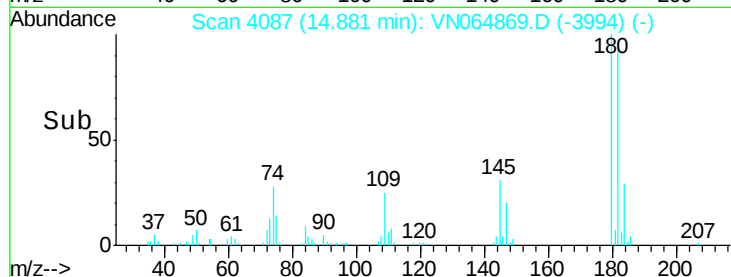
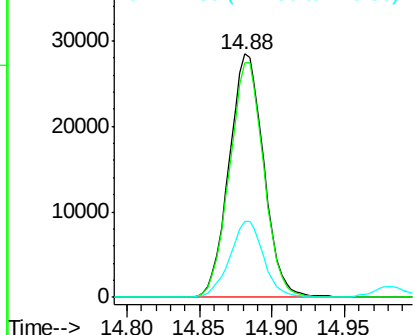
#93  
1,2,4-Trichlorobenzene  
Concen: 16.619 ug/l  
RT: 14.88 min Scan# 4087  
Delta R.T. 0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:180 Resp: 47082  
Ion Ratio Lower Upper  
180 100  
182 95.4 47.6 142.9  
145 30.5 15.3 45.8

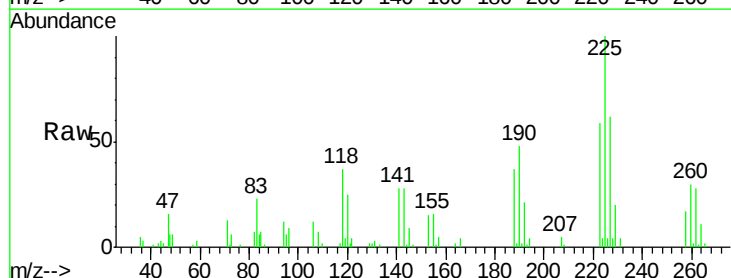


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

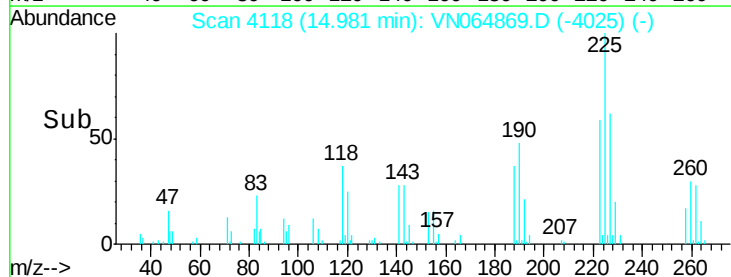
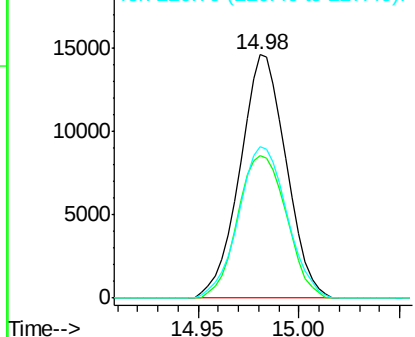


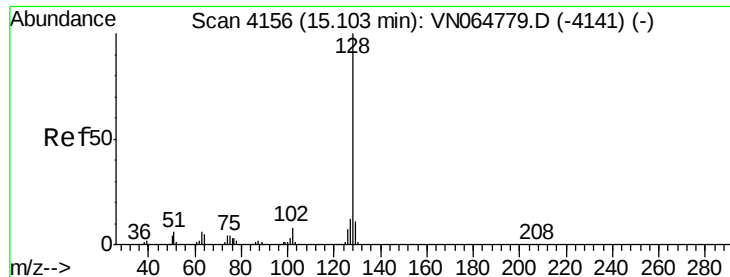
#94  
Hexachlorobutadiene  
Concen: 18.635 ug/l  
RT: 14.98 min Scan# 4118  
Delta R.T. -0.00 min  
Lab File: VN064869.D  
Acq: 30 Nov 2020 13:44

Tgt Ion:225 Resp: 23473  
Ion Ratio Lower Upper  
225 100  
223 61.6 31.0 93.0  
227 65.0 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.162 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

Instrument :

MSVOA\_N

ClientSampled :

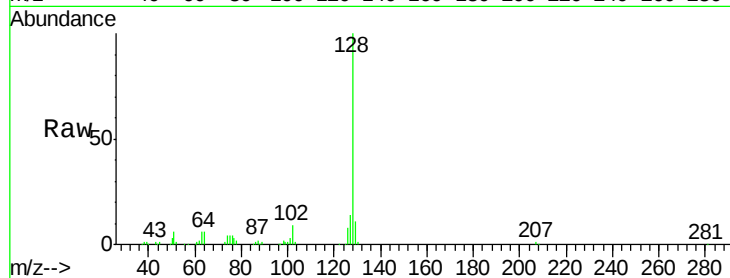
Tot Ion:128 Resp: 137173

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

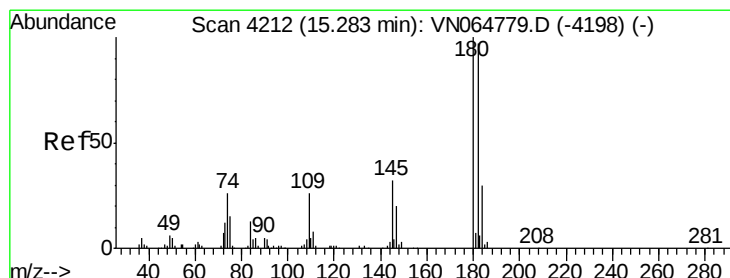
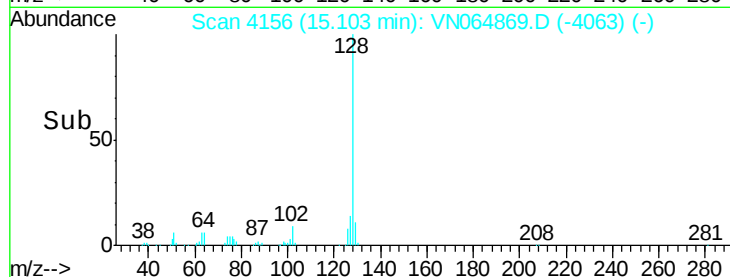
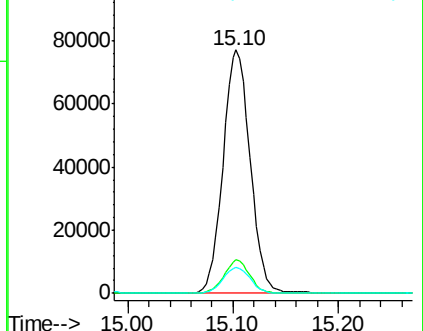
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.857 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064869.D

Acq: 30 Nov 2020 13:44

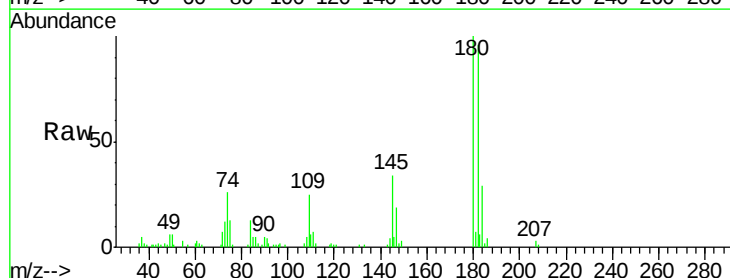
Tgt Ion:180 Resp: 45598

Ion Ratio Lower Upper

180 100

182 97.5 48.1 144.4

145 32.5 16.4 49.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

