

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN060420\  
 Data File : VN061648.D  
 Acq On : 4 Jun 2020 13:07  
 Operator : JC/MD  
 Sample : VN0604MBS01  
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 05 07:23:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 298109   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 492539   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 463045   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 224033   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 173044   | 48.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.44%  |      |
| 35) Dibromofluoromethane  | 7.54   | 113 | 136022   | 54.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.88% |      |
| 50) Toluene-d8            | 10.06  | 98  | 572409   | 49.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.88%  |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 200378   | 47.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.86%  |      |

## Target Compounds

|                               |      |     |        |        | Qvalue   |
|-------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 62042  | 18.760 | ug/l 100 |
| 3) Chloromethane              | 2.03 | 50  | 66383  | 18.257 | ug/l 99  |
| 4) Vinyl Chloride             | 2.16 | 62  | 89827  | 18.028 | ug/l 100 |
| 5) Bromomethane               | 2.54 | 94  | 55745  | 19.497 | ug/l 98  |
| 6) Chloroethane               | 2.67 | 64  | 58196  | 18.146 | ug/l 99  |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 110192 | 17.150 | ug/l 97  |
| 8) Diethyl Ether              | 3.37 | 74  | 36030  | 18.339 | ug/l 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 53952  | 18.922 | ug/l 98  |
| 10) Methyl Iodide             | 3.91 | 142 | 72074  | 18.210 | ug/l 98  |
| 11) Tert butyl alcohol        | 4.72 | 59  | 47089  | 99.674 | ug/l 99  |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 53596  | 17.595 | ug/l 93  |
| 13) Acrolein                  | 3.56 | 56  | 14831  | 88.583 | ug/l 96  |
| 14) Allyl chloride            | 4.27 | 41  | 67060  | 16.839 | ug/l 97  |
| 15) Acrylonitrile             | 4.92 | 53  | 120940 | 91.716 | ug/l 98  |
| 16) Acetone                   | 3.77 | 43  | 93160  | 91.233 | ug/l 98  |
| 17) Carbon Disulfide          | 4.00 | 76  | 124864 | 18.631 | ug/l 99  |
| 18) Methyl Acetate            | 4.27 | 43  | 57097  | 17.758 | ug/l 98  |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 185205 | 17.840 | ug/l 99  |
| 20) Methylene Chloride        | 4.50 | 84  | 63908  | 18.708 | ug/l 96  |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 60092  | 17.493 | ug/l 92  |
| 22) Diisopropyl ether         | 5.90 | 45  | 157081 | 17.896 | ug/l 95  |
| 23) Vinyl Acetate             | 5.84 | 43  | 586928 | 83.898 | ug/l 99  |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 99872  | 17.944 | ug/l 99  |
| 25) 2-Butanone                | 6.78 | 43  | 142397 | 84.594 | ug/l 98  |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 89459  | 17.561 | ug/l 100 |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 71557  | 18.395 | ug/l 100 |
| 28) Bromochloromethane        | 7.15 | 49  | 41160  | 18.829 | ug/l 97  |
| 29) Tetrahydrofuran           | 7.17 | 42  | 93898  | 84.593 | ug/l 96  |
| 30) Chloroform                | 7.33 | 83  | 115134 | 18.698 | ug/l 99  |
| 31) Cyclohexane               | 7.61 | 56  | 87185  | 17.417 | ug/l 96  |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 100302 | 17.877 | ug/l 99  |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 78677  | 18.044 | ug/l 99  |
| 37) Ethyl Acetate             | 6.88 | 43  | 62962  | 17.928 | ug/l 96  |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 78939  | 18.769 | ug/l 95  |

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 Sample : VN0604MBS01  
 Misc : 5.00µL/100µL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 05 07:23:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 92792    | 17.266  | ug/l   | 96       |
| 40) Benzene                    | 8.00  | 78   | 249116   | 18.517  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.12  | 41   | 25531    | 15.867  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 82808    | 18.385  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 107465   | 17.009  | ug/l # | 92       |
| 44) Trichloroethene            | 8.80  | 130  | 74809    | 18.094  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 59519    | 18.631  | ug/l   | 98       |
| 46) Dibromomethane             | 9.17  | 93   | 45312    | 18.494  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 88527    | 18.237  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.17  | 41   | 46229    | 16.262  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 21773    | 494.412 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 308231   | 86.569  | ug/l   | 98       |
| 52) Toluene                    | 10.12 | 92   | 164222   | 18.702  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 92355    | 17.662  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 102471   | 18.225  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 66644    | 19.050  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 84713    | 17.335  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 104175   | 18.619  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 176644   | 84.585  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 216020   | 84.480  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 72870    | 18.322  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 68742    | 18.841  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 80735    | 18.523  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.41 | 112  | 180215   | 18.724  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 67507    | 18.836  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 306305   | 18.412  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 239072   | 36.244  | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 116397   | 18.579  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 188326   | 18.152  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 48545    | 17.579  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.22 | 105  | 304393   | 18.616  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.05 | 43   | 85159    | 16.537  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 83056    | 18.126  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 105288   | 25.845  | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 77190    | 18.494  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.56 | 91   | 337123   | 18.468  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 198296   | 18.218  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 250478   | 18.327  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 25567    | 16.049  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 204676   | 17.874  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 216976   | 17.969  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 251513   | 18.525  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 275050   | 17.677  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 256532   | 17.902  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 136654   | 18.489  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 138559   | 18.402  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 205807   | 17.147  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 33566    | 21.181  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 135617   | 19.200  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 15317    | 16.390  | ug/l   | 95       |

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Operator : JC/MD  
Sample : VN0604MBS01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 6 Sample Multiplier: 1

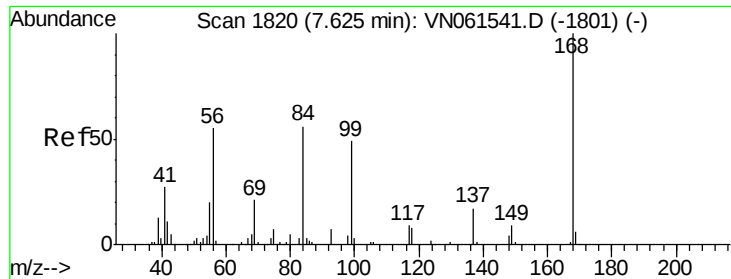
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 05 07:23:50 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 29 02:14:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 72236    | 17.487 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 30681    | 17.415 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 213076   | 16.947 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 72375    | 17.820 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

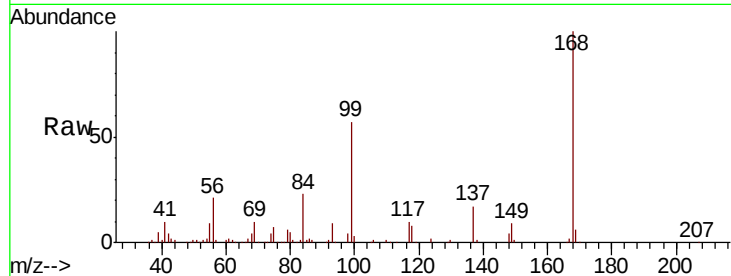
ClientSampleId :

Tot Ion:168 Resp: 298109

Ion Ratio Lower Upper

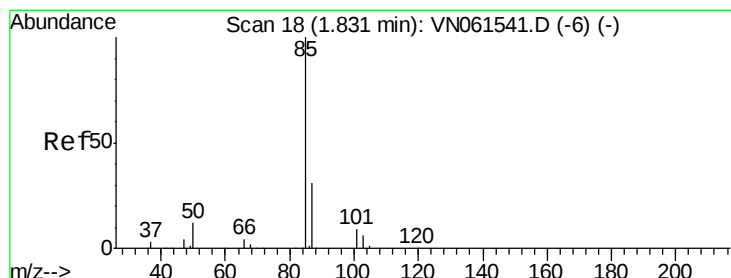
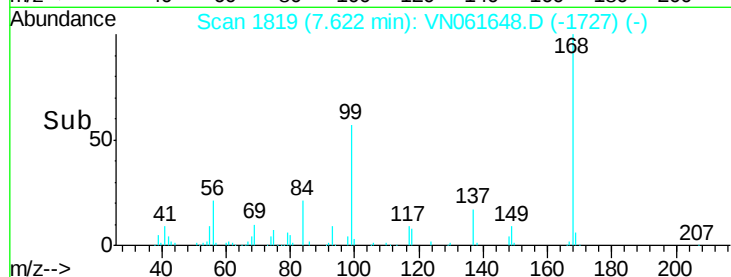
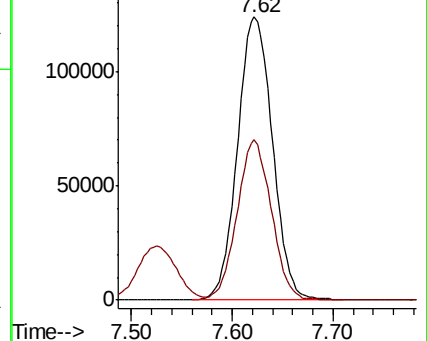
168 100

99 56.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.760 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061648.D

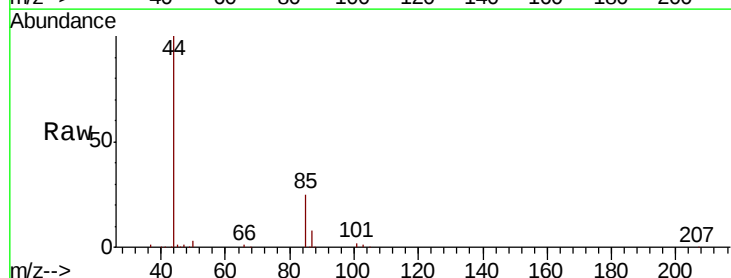
Acq: 4 Jun 2020 13:07

Tgt Ion: 85 Resp: 62042

Ion Ratio Lower Upper

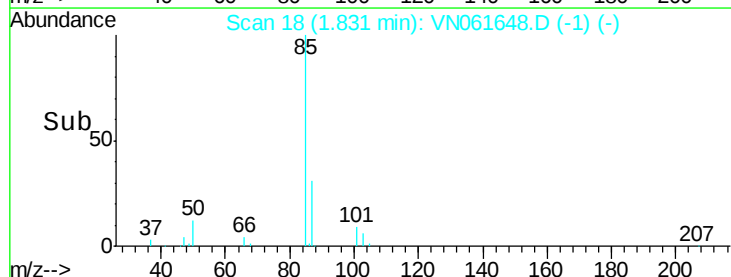
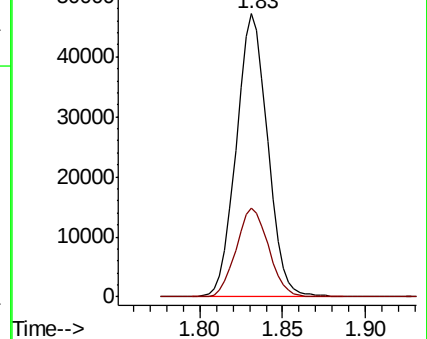
85 100

87 31.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.257 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

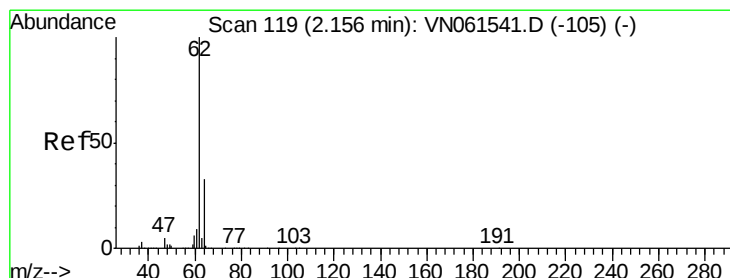
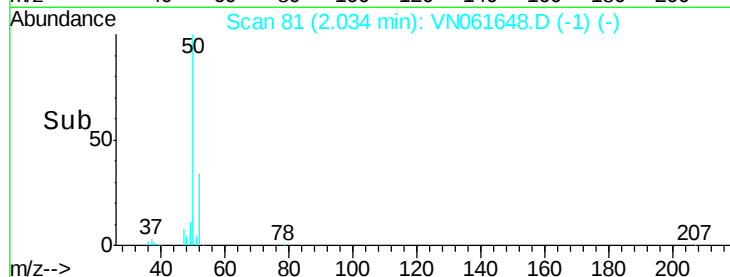
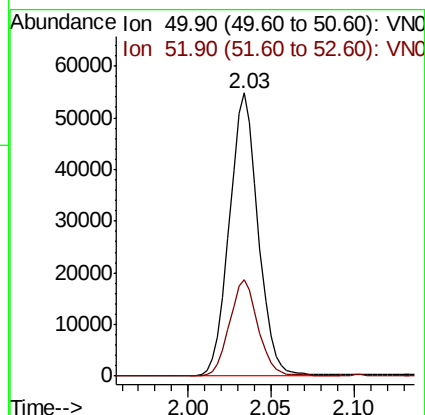
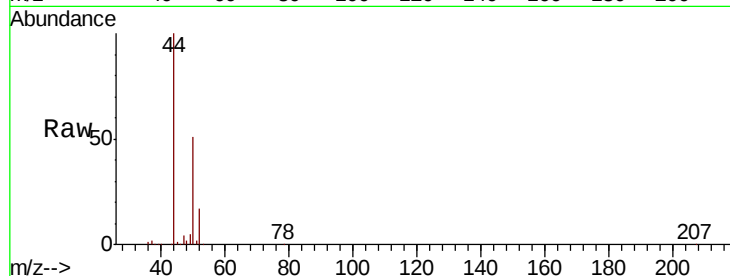
ClientSampleId :

Tot Ion: 50 Resp: 66383

Ion Ratio Lower Upper

50 100

52 33.9 26.7 40.1



#4

Vinyl Chloride

Concen: 18.028 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061648.D

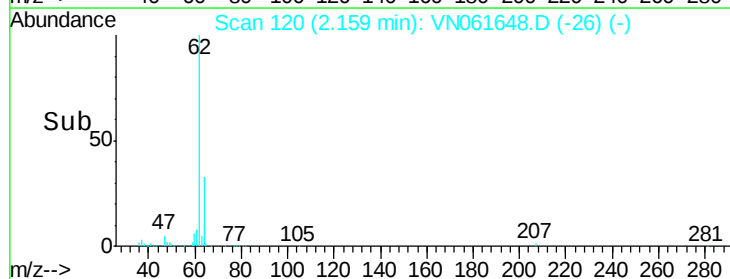
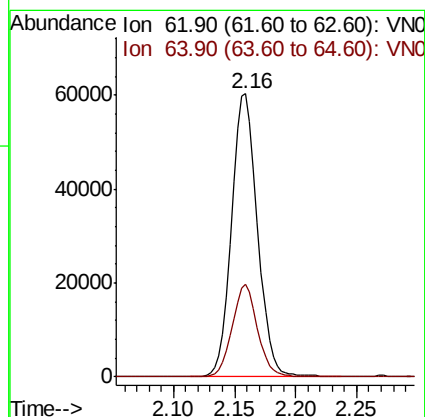
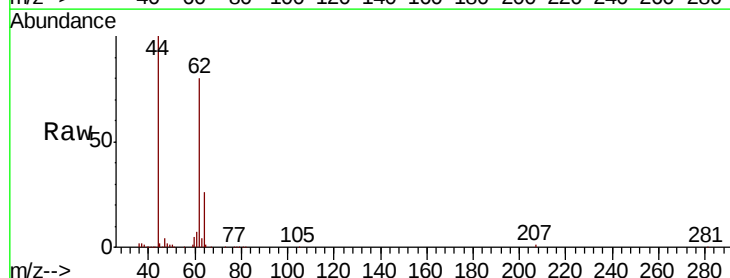
Acq: 4 Jun 2020 13:07

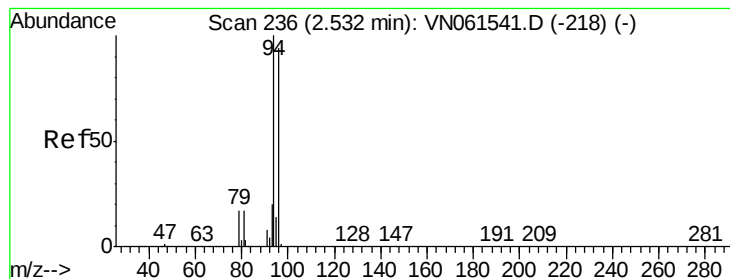
Tgt Ion: 62 Resp: 89827

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 19.497 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

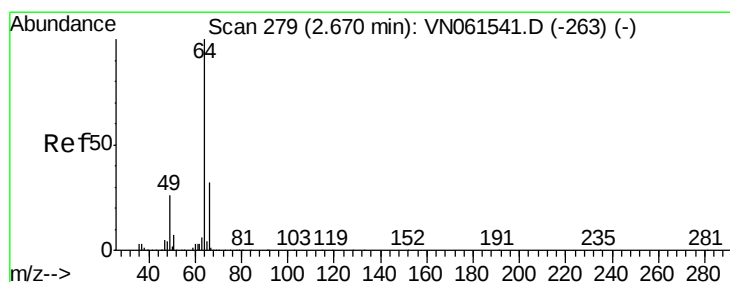
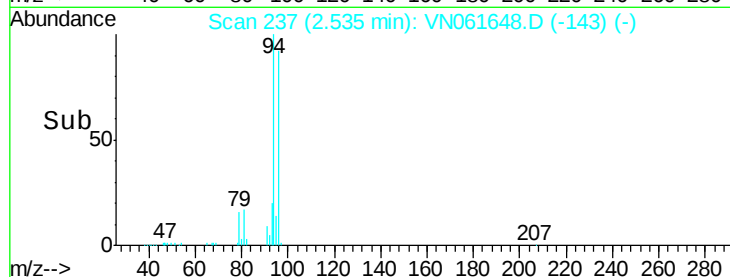
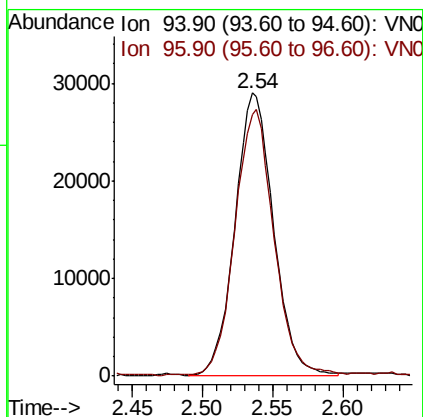
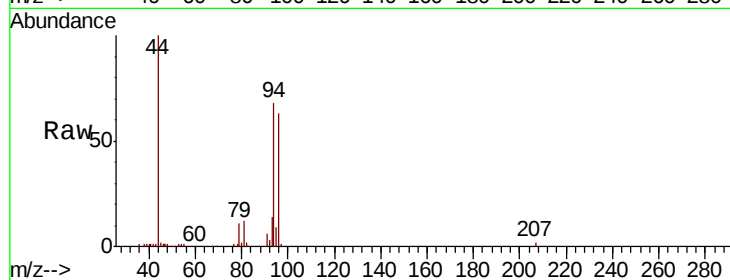
ClientSampleId :

Tot Ion: 94 Resp: 55745

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2



#6

Chloroethane

Concen: 18.146 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061648.D

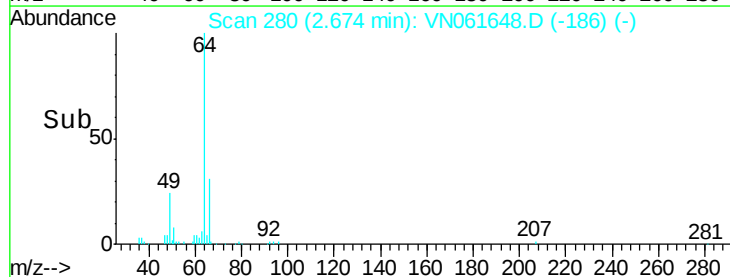
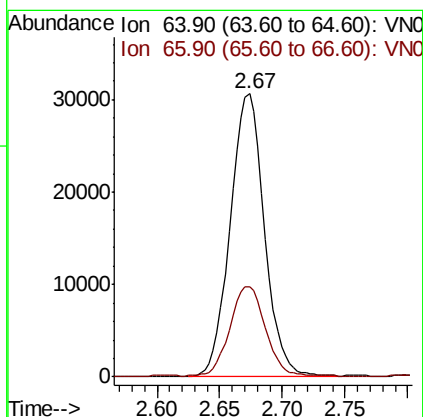
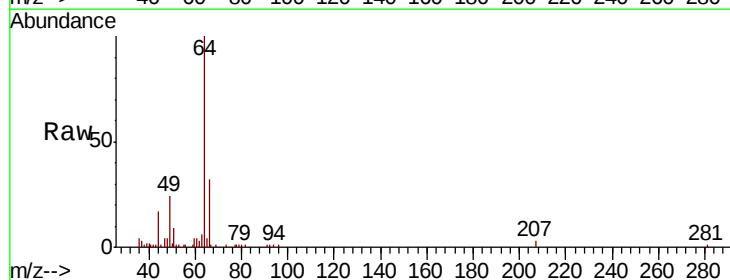
Acq: 4 Jun 2020 13:07

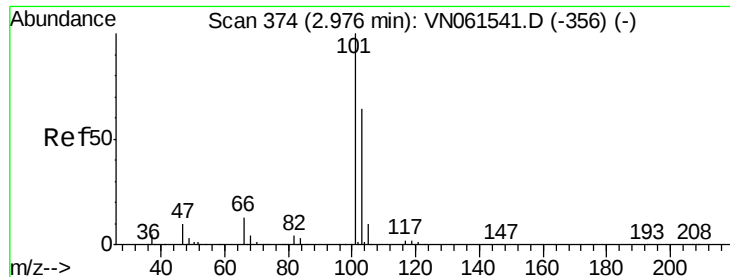
Tgt Ion: 64 Resp: 58196

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4



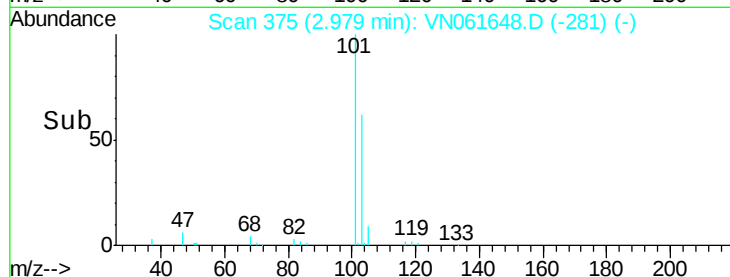
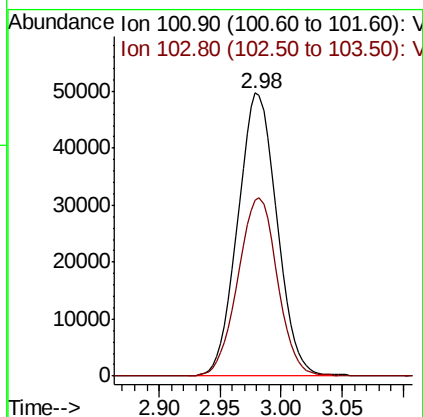
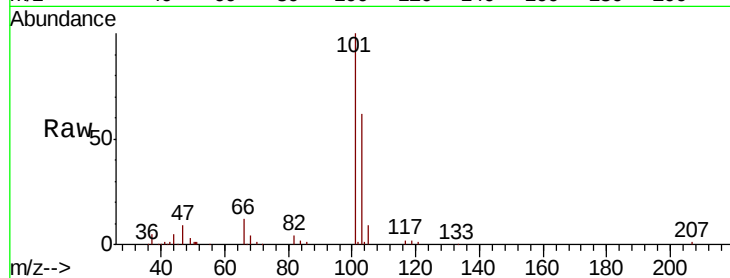


#7

Trichlorofluoromethane  
Concen: 17.150 ug/l  
RT: 2.98 min Scan# 375  
Delta R.T. 0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Instrument :  
MSVOA\_N  
ClientSampled :

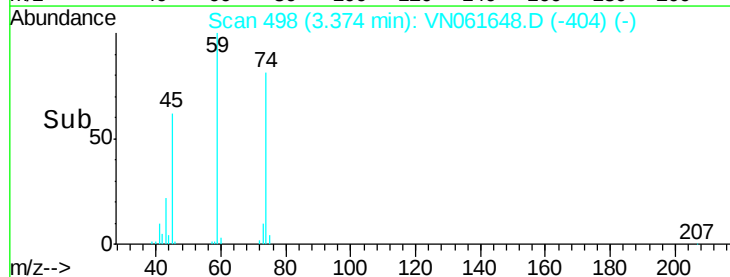
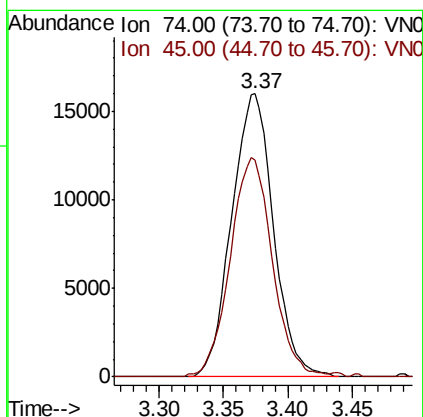
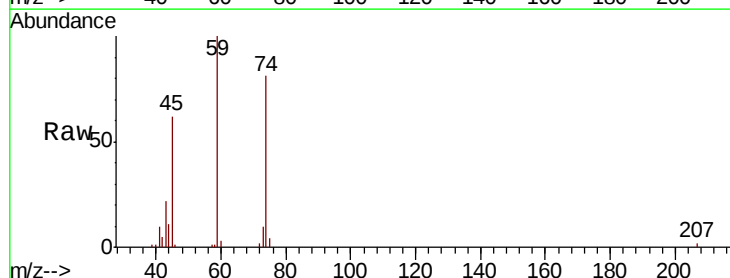
Tot Ion:101 Resp: 110192  
Ion Ratio Lower Upper  
101 100  
103 62.1 51.4 77.2



#8

Diethyl Ether  
Concen: 18.339 ug/l  
RT: 3.37 min Scan# 498  
Delta R.T. 0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 74 Resp: 36030  
Ion Ratio Lower Upper  
74 100  
45 78.2 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.922 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampled :

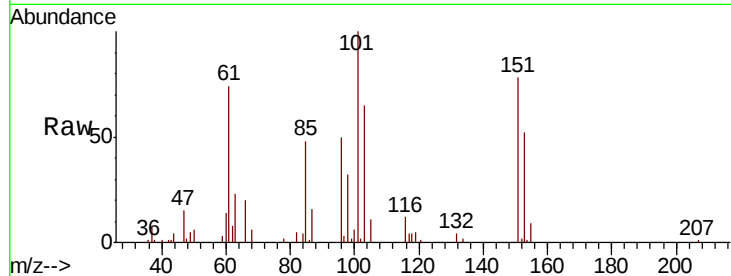
Tot Ion:101 Resp: 53952

Ion Ratio Lower Upper

101 100

85 45.2 35.2 52.8

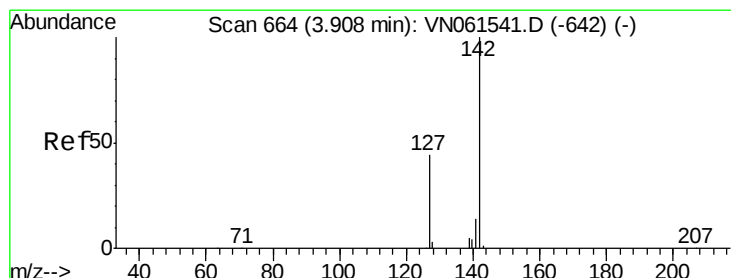
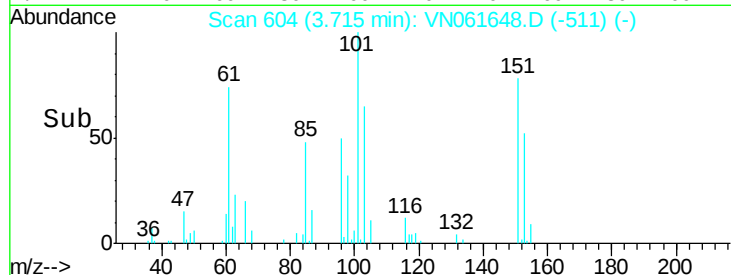
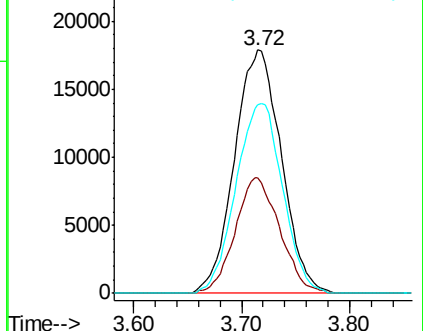
151 77.5 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.210 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

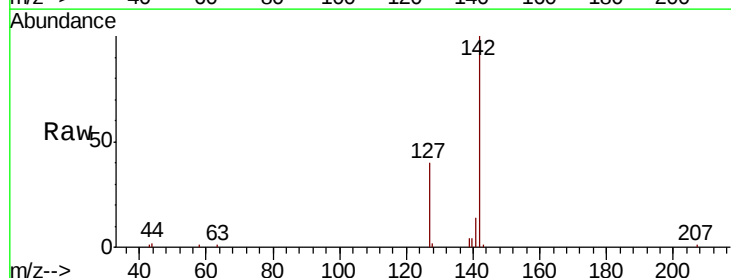
Tgt Ion:142 Resp: 72074

Ion Ratio Lower Upper

142 100

127 43.1 35.5 53.3

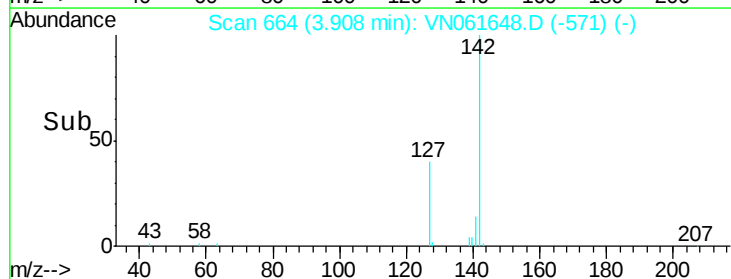
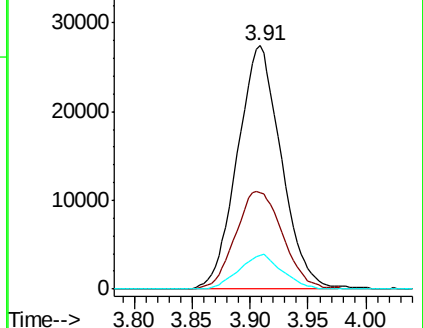
141 13.8 11.5 17.3

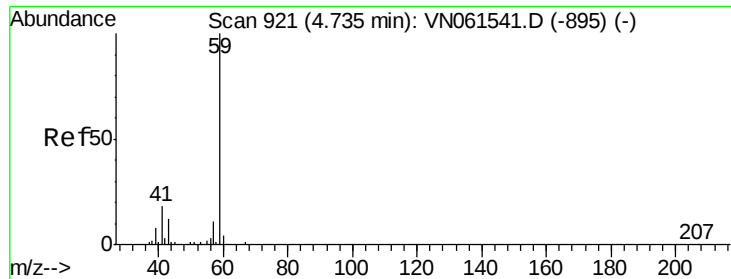


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

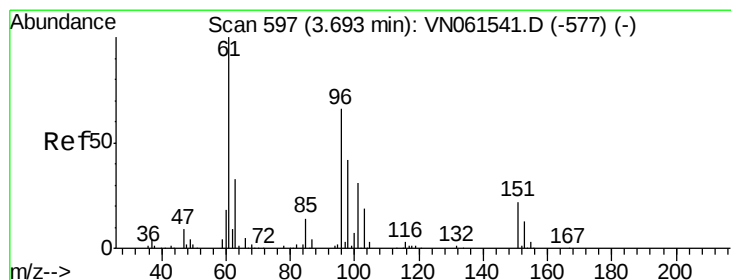
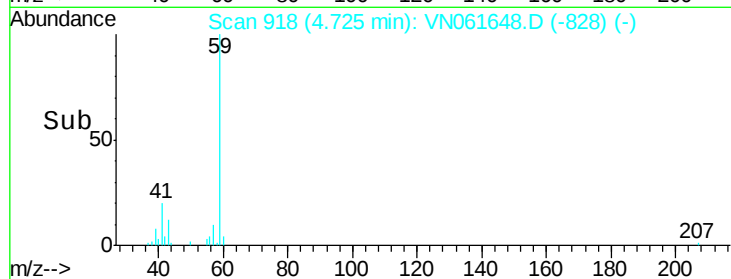
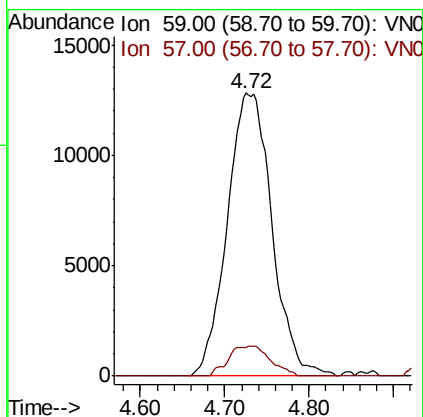
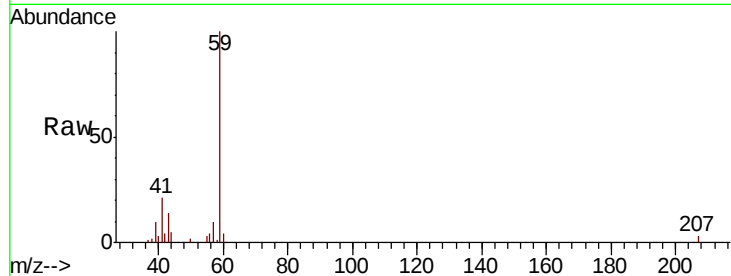




#11  
Tert butyl alcohol  
Concen: 99.674 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

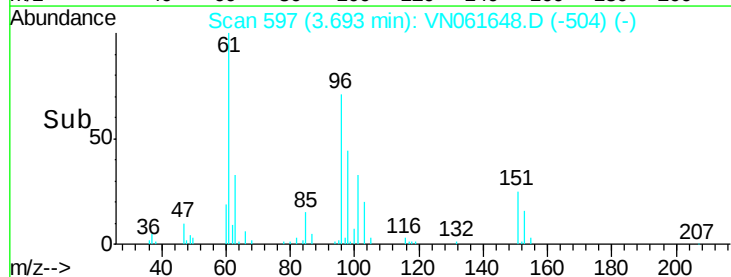
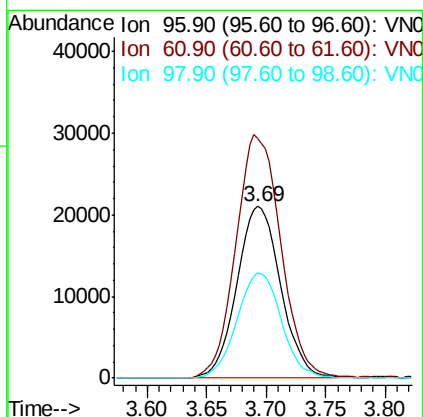
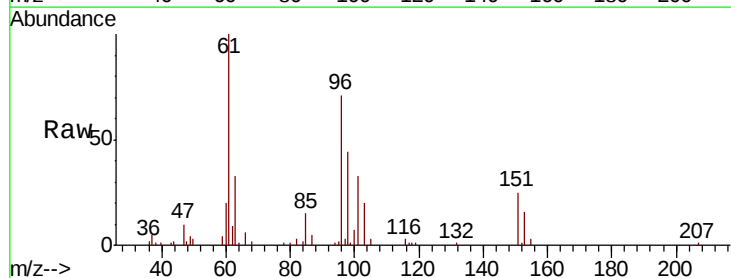
Instrument :  
MSVOA\_N  
ClientSampled :

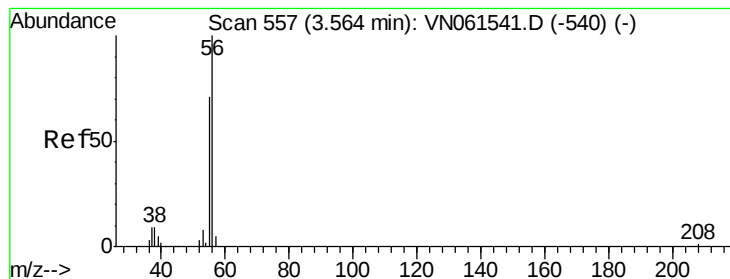
Tot Ion: 59 Resp: 47089  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.4 12.6



#12  
1,1-Dichloroethene  
Concen: 17.595 ug/l  
RT: 3.69 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 96 Resp: 53596  
Ion Ratio Lower Upper  
96 100  
61 139.9 120.5 180.7  
98 61.2 50.8 76.2





#13

Acrolein

Concen: 88.583 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

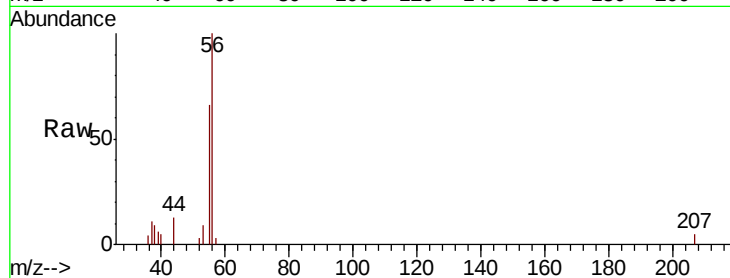
ClientSampleId :

Tot Ion: 56 Resp: 14831

Ion Ratio Lower Upper

56 100

55 69.1 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061648.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN061648.D (-464) (-)

3.56

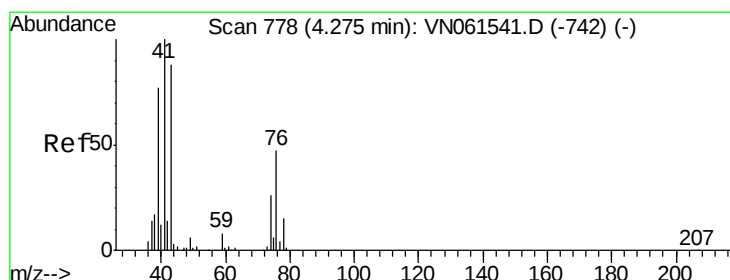
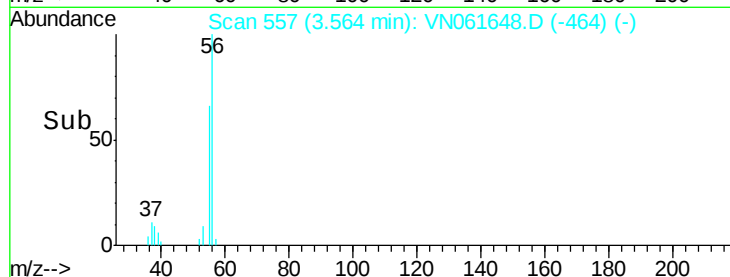
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 16.839 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

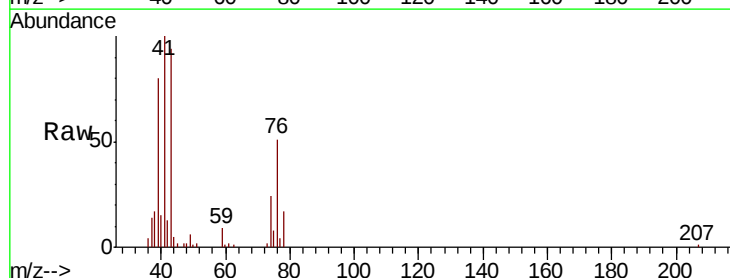
Tgt Ion: 41 Resp: 67060

Ion Ratio Lower Upper

41 100

39 74.7 58.6 88.0

76 46.4 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061648.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061648.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061648.D (-685) (-)

4.27

30000

25000

20000

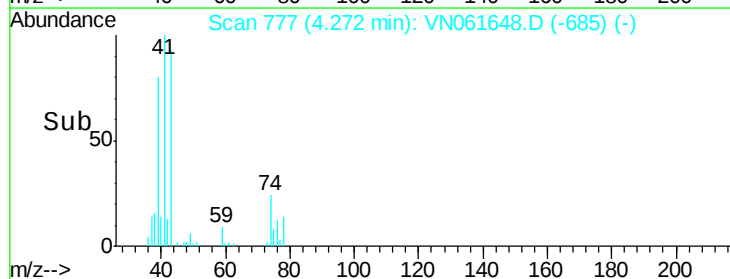
15000

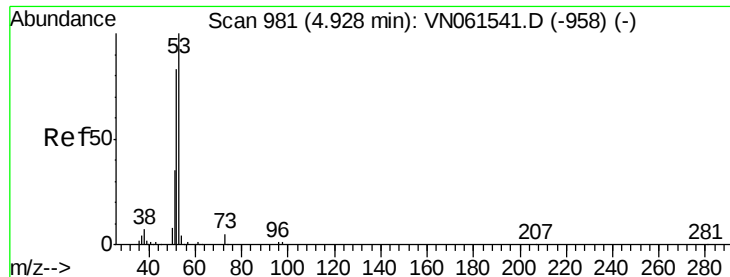
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 91.716 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

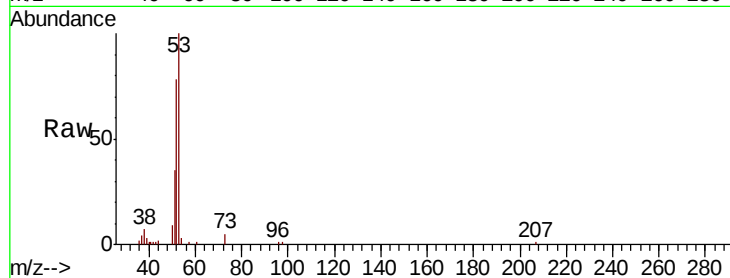
Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 53 Resp: 120940

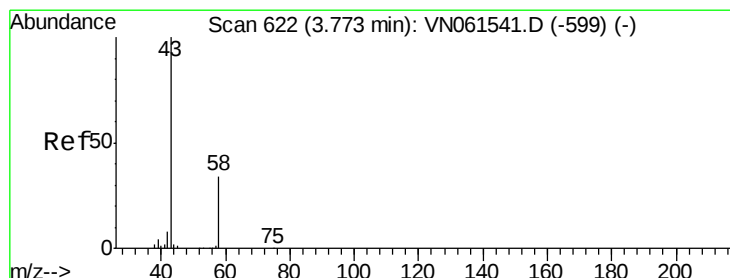
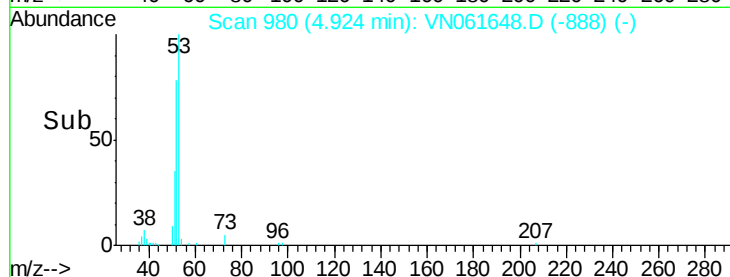
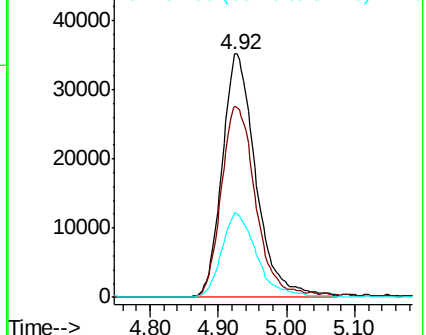
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 79.5  | 65.4  | 98.2  |
| 51  | 35.7  | 29.0  | 43.6  |



Abundance Ion 53.00 (52.70 to 53.70): VN061648.D (-888) (-)

Ion 52.00 (51.70 to 52.70): VN061648.D (-888) (-)

Ion 51.00 (50.70 to 51.70): VN061648.D (-888) (-)



#16

Acetone

Concen: 91.233 ug/l

RT: 3.77 min Scan# 622

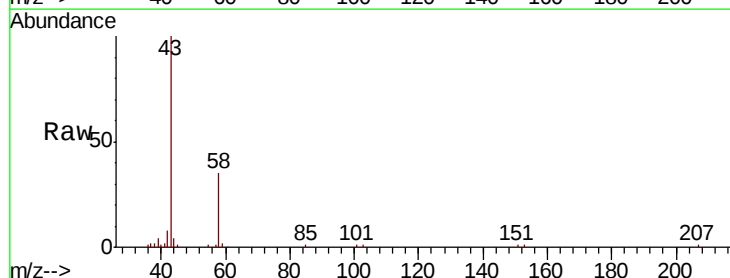
Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

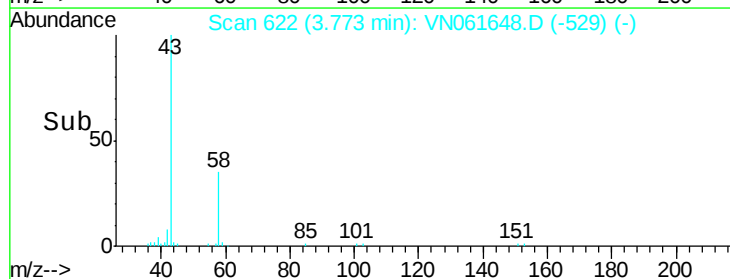
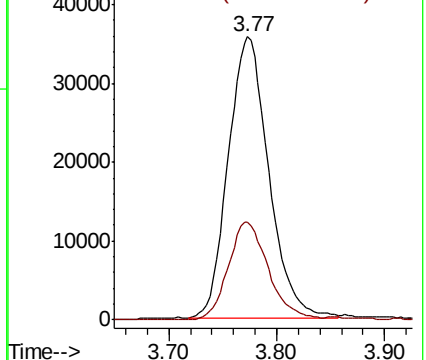
Tgt Ion: 43 Resp: 93160

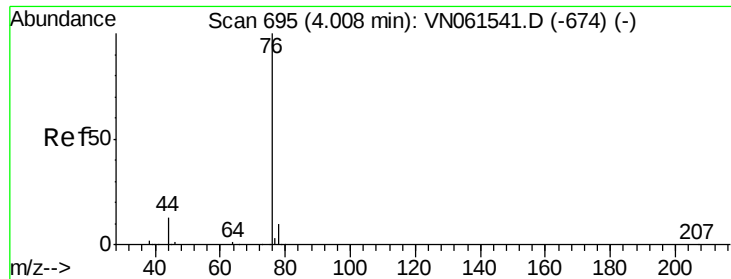
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.9  | 27.2  | 40.8  |



Abundance Ion 43.00 (42.70 to 43.70): VN061648.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061648.D (-529) (-)

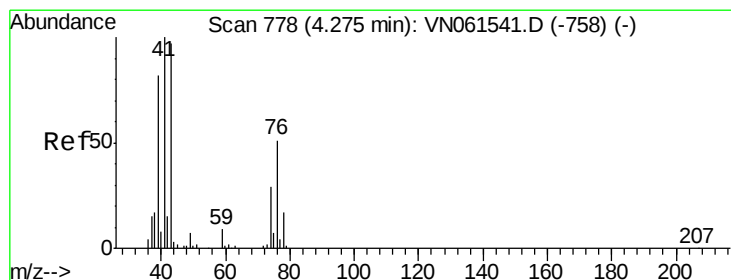
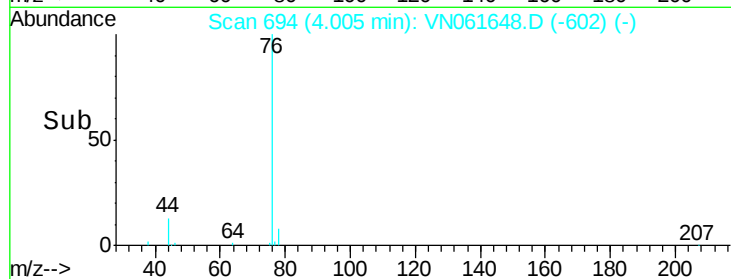
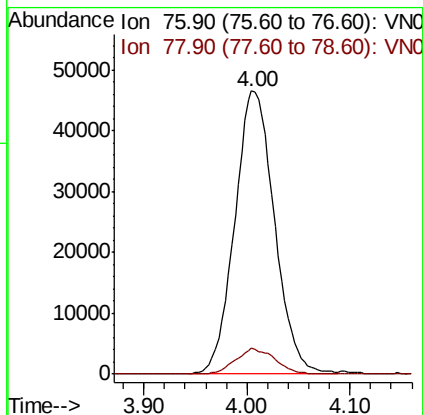
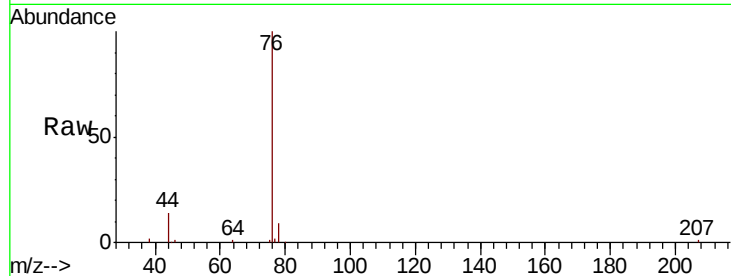




#17  
Carbon Disulfide  
Concen: 18.631 ug/l  
RT: 4.00 min Scan# 694  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

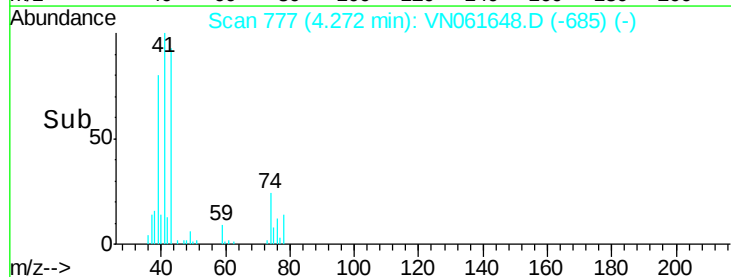
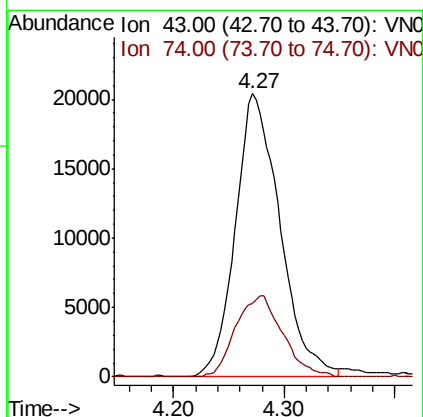
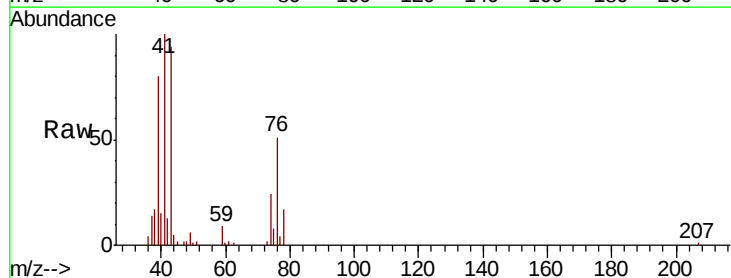
Instrument :  
MSVOA\_N  
ClientSampled :

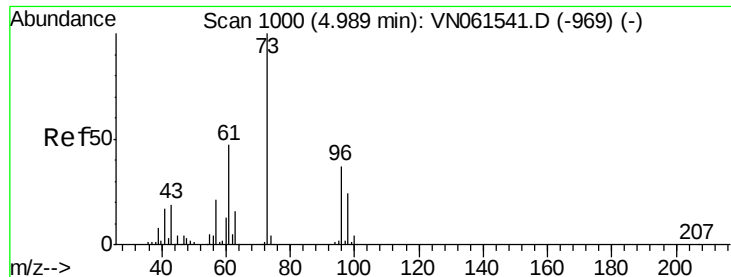
Tot Ion: 76 Resp: 124864  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.8 11.6



#18  
Methyl Acetate  
Concen: 17.758 ug/l  
RT: 4.27 min Scan# 777  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 43 Resp: 57097  
Ion Ratio Lower Upper  
43 100  
74 30.2 23.2 34.8

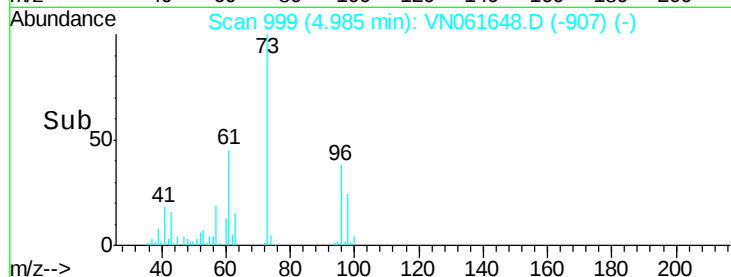
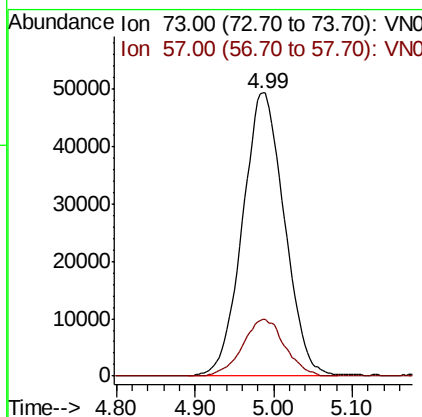
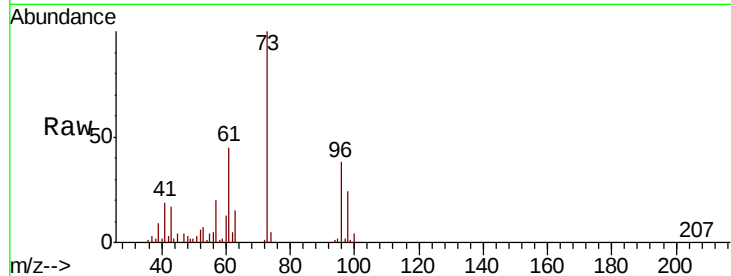




#19  
Methvl tert-butvl Ether  
Concen: 17.840 ug/l  
RT: 4.99 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

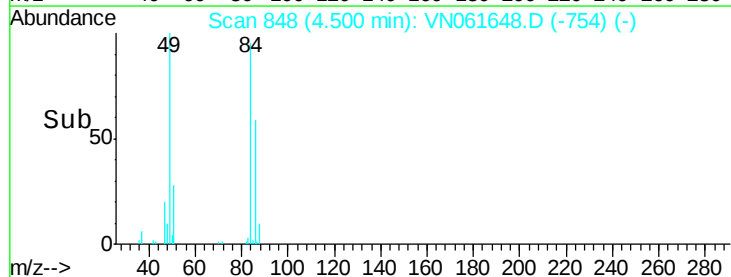
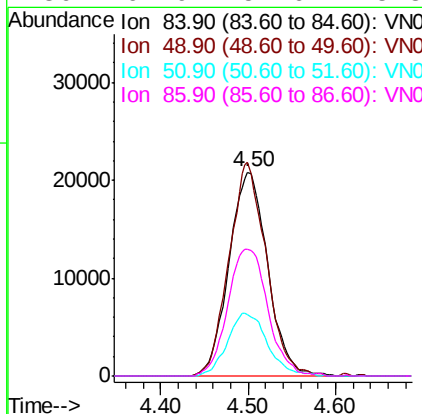
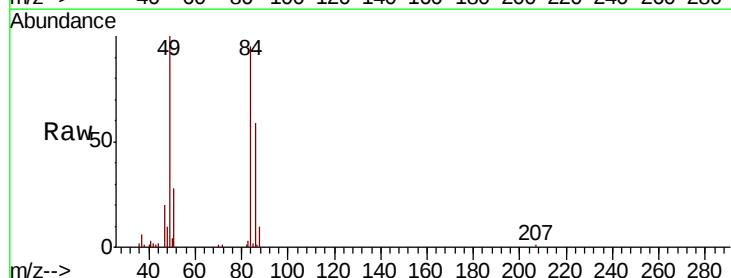
Instrument :  
MSVOA\_N  
ClientSampled :

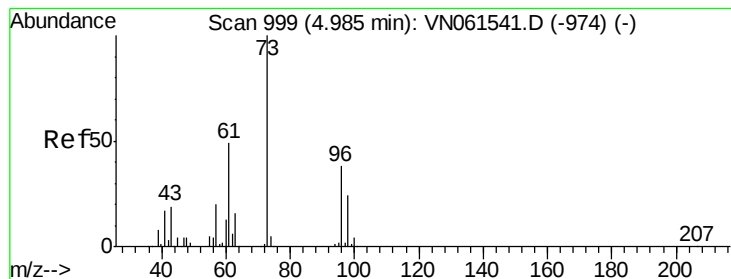
Tot Ion: 73 Resp: 185205  
Ion Ratio Lower Upper  
73 100  
57 20.1 16.4 24.6



#20  
Methylene Chloride  
Concen: 18.708 ug/l  
RT: 4.50 min Scan# 848  
Delta R.T. 0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 84 Resp: 63908  
Ion Ratio Lower Upper  
84 100  
49 104.8 85.8 128.8  
51 29.9 26.2 39.2  
86 61.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 17.493 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampleId :

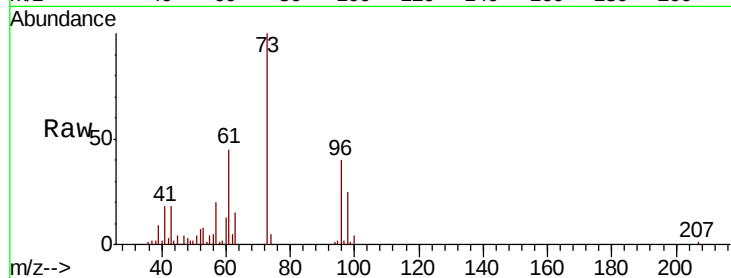
Tot Ion: 96 Resp: 60092

Ion Ratio Lower Upper

96 100

61 114.5 101.4 152.0

98 62.2 50.6 76.0

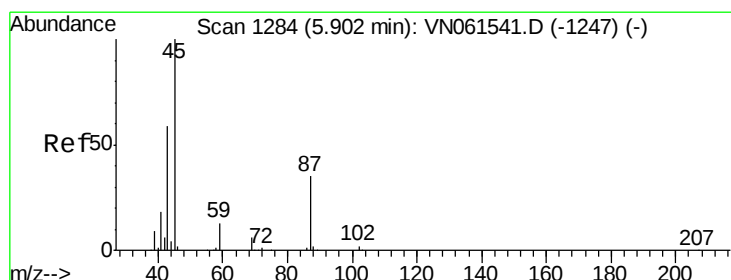
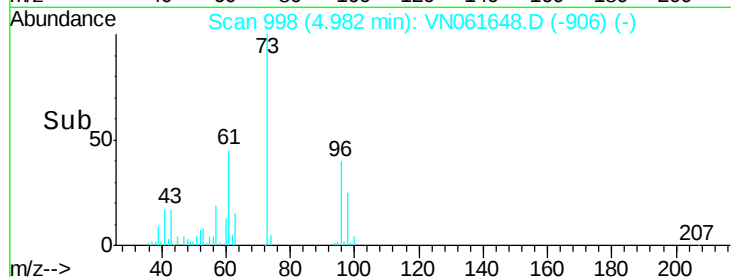
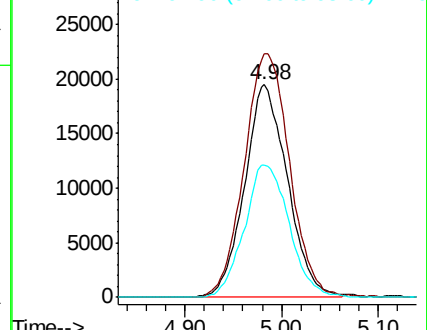


Abundance

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: 17.896 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Tgt Ion: 45 Resp: 157081

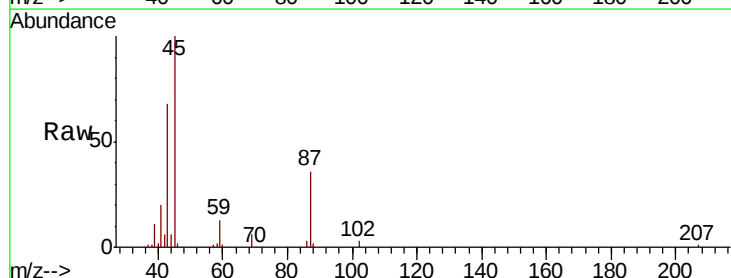
Ion Ratio Lower Upper

45 100

43 65.3 47.9 71.9

87 36.5 28.4 42.6

59 13.2 10.5 15.7



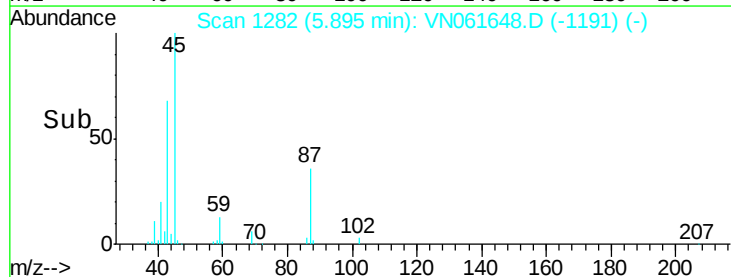
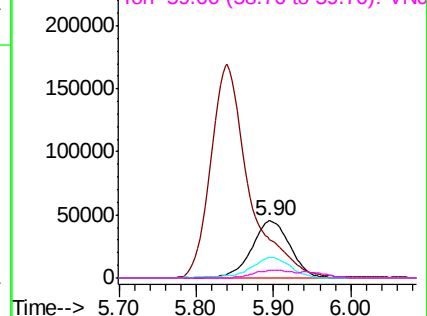
Abundance

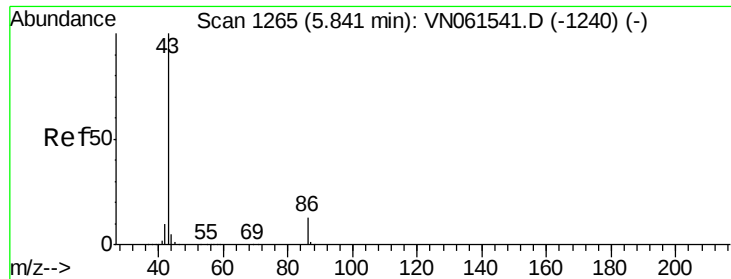
Ion 45.00 (44.70 to 45.70): VN0

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

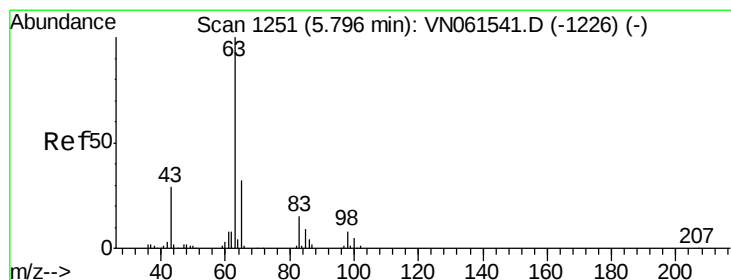
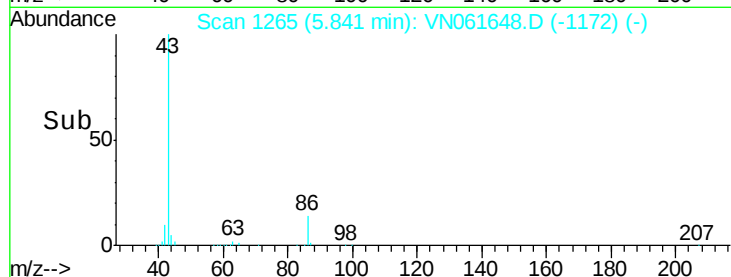
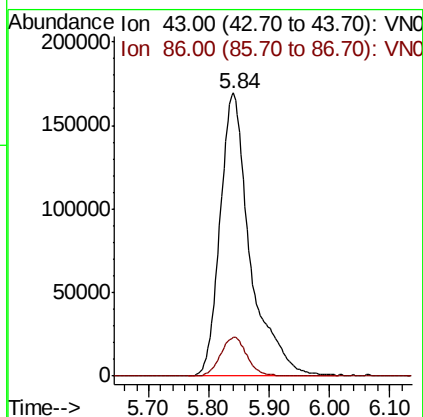
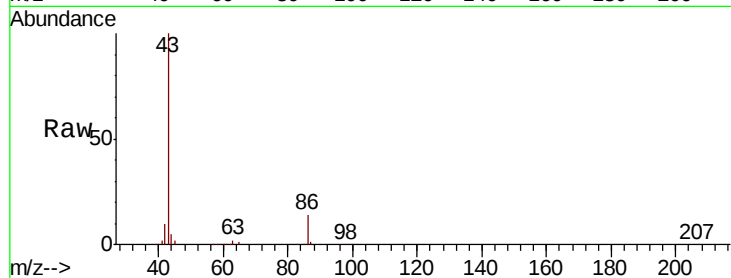




#23  
 Vinyl Acetate  
 Concen: 83.898 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

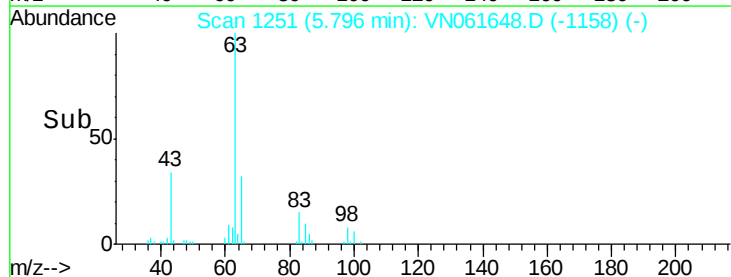
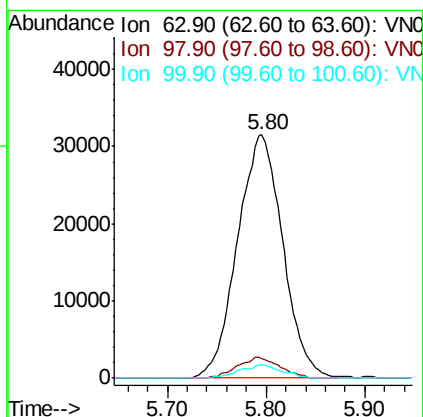
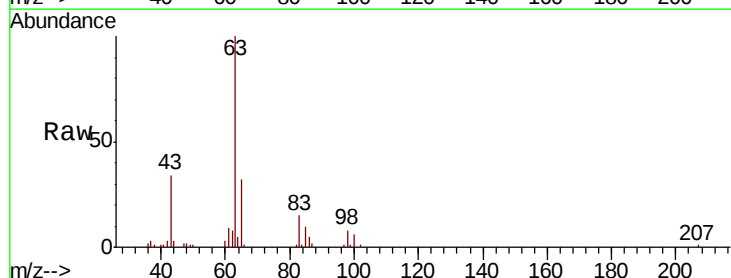
Instrument :  
 MSVOA\_N  
 ClientSampleId :

Tot Ion: 43 Resp: 586928  
 Ion Ratio Lower Upper  
 43 100  
 86 13.8 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 17.944 ug/l  
 RT: 5.80 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion: 63 Resp: 99872  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.8 11.4  
 100 5.5 2.5 7.6





#25

2-Butanone

Concen: 84.594 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

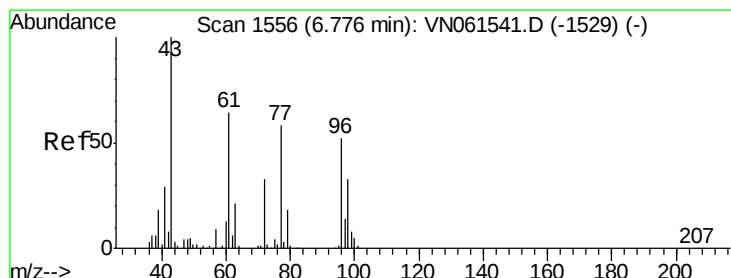
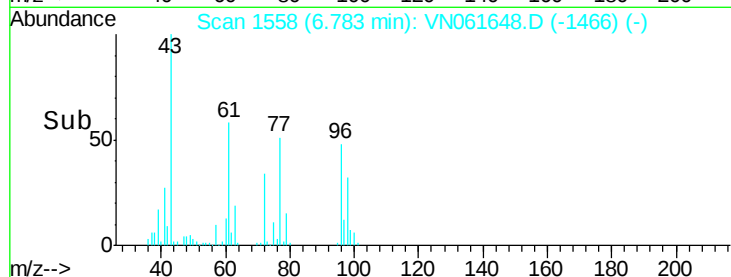
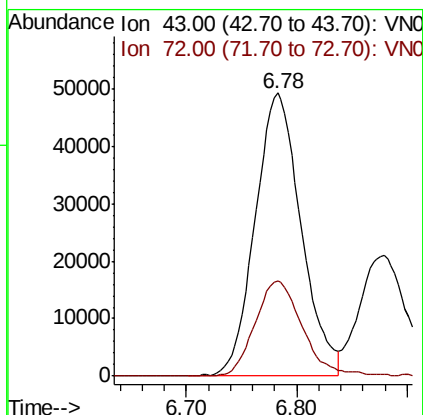
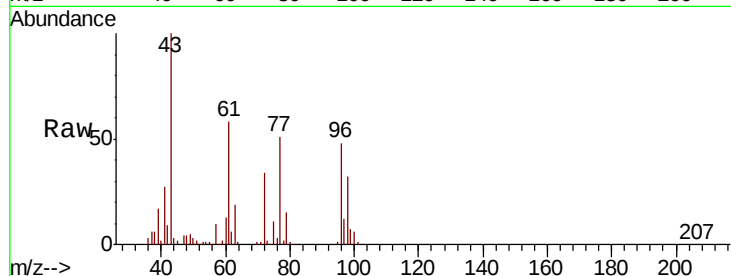
ClientSampled :

Tot Ion: 43 Resp: 142397

Ion Ratio Lower Upper

43 100

72 33.8 26.0 39.0



#26

2,2-Dichloropropane

Concen: 17.561 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061648.D

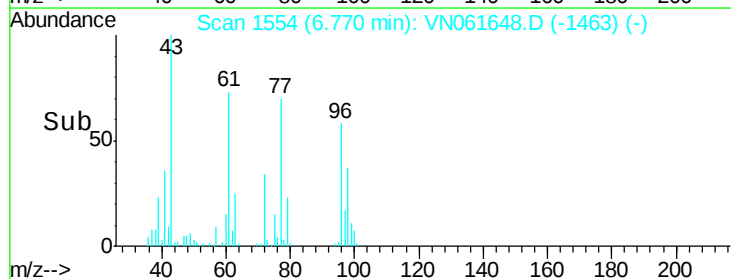
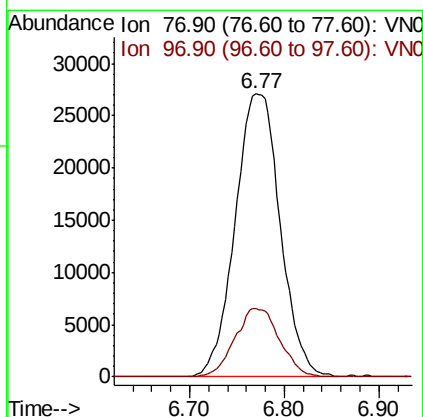
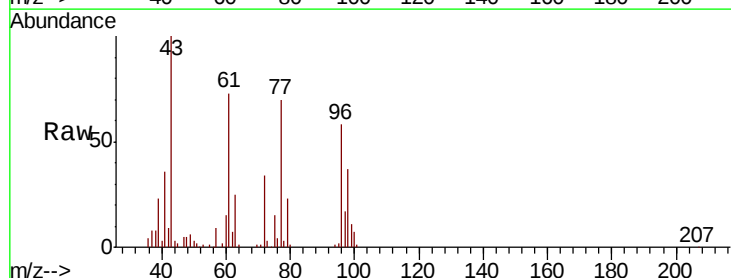
Acq: 4 Jun 2020 13:07

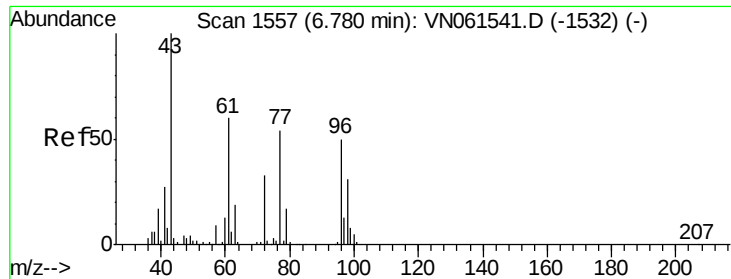
Tgt Ion: 77 Resp: 89459

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 18.395 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :  
MSVOA\_N  
ClientSampled :

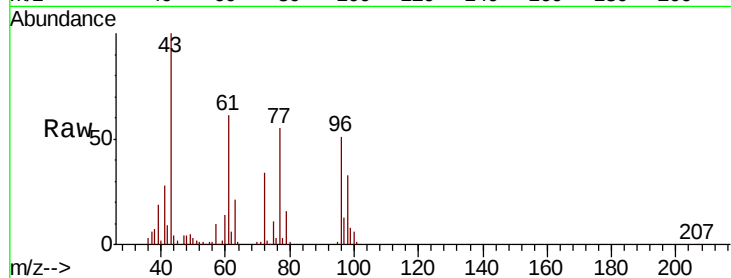
Tot Ion: 96 Resp: 71557

Ion Ratio Lower Upper

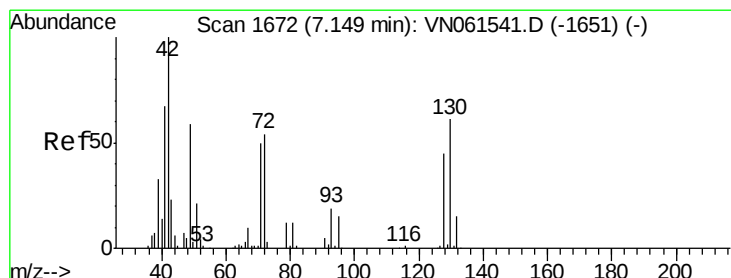
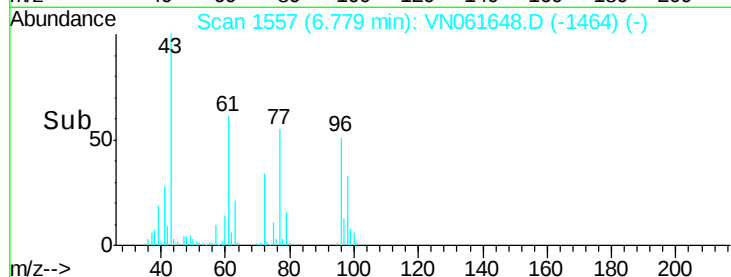
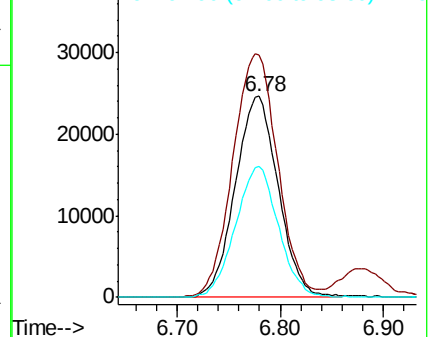
96 100

61 126.7 0.0 252.2

98 65.0 0.0 129.2



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: 18.829 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

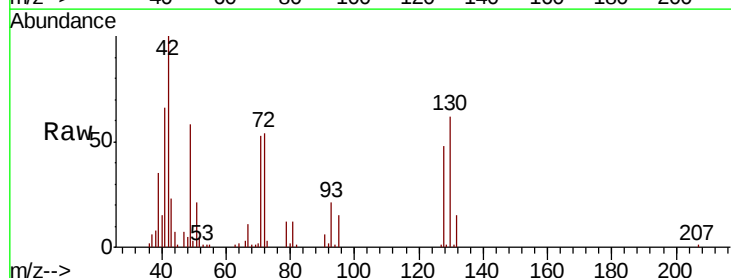
Tgt Ion: 49 Resp: 41160

Ion Ratio Lower Upper

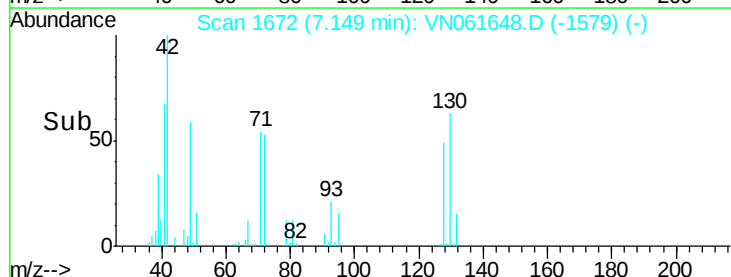
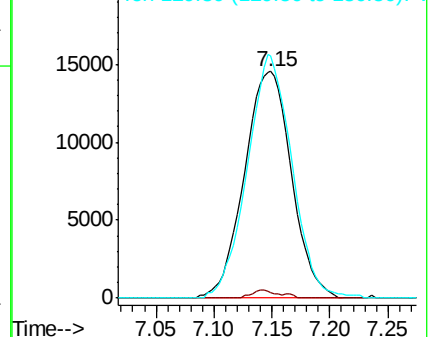
49 100

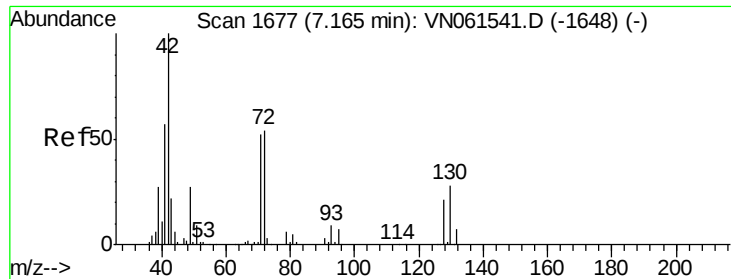
129 1.7 0.0 4.8

130 101.6 78.8 118.2



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

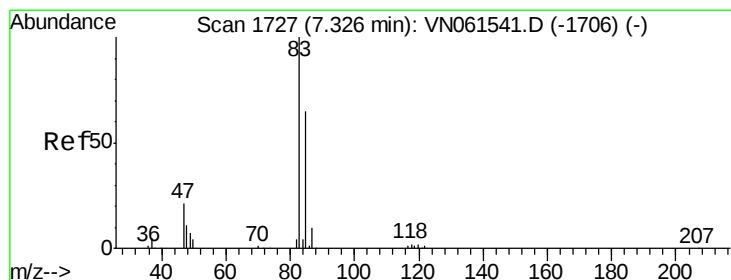
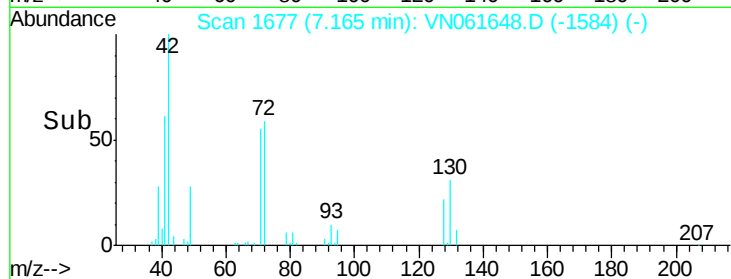
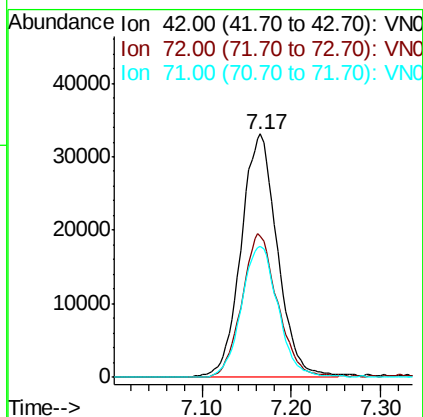
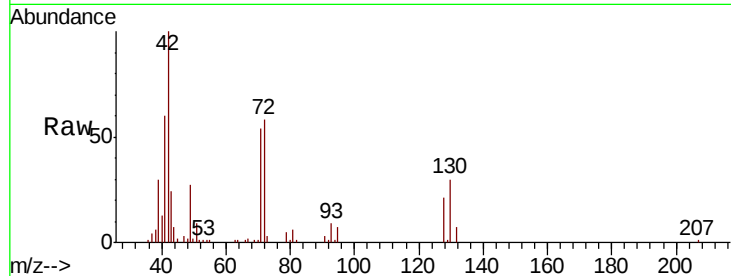




#29  
Tetrahydrofuran  
Concen: 84.593 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

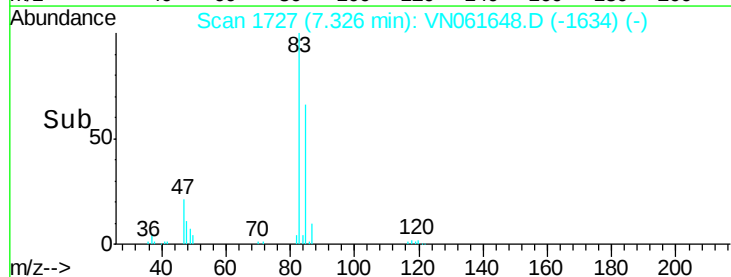
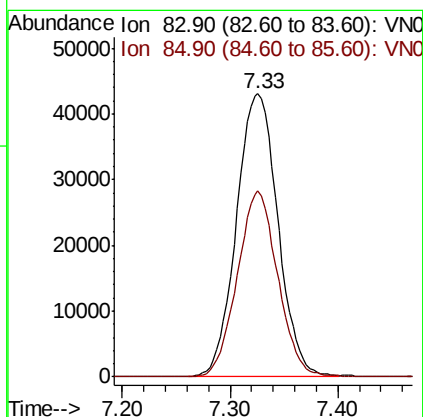
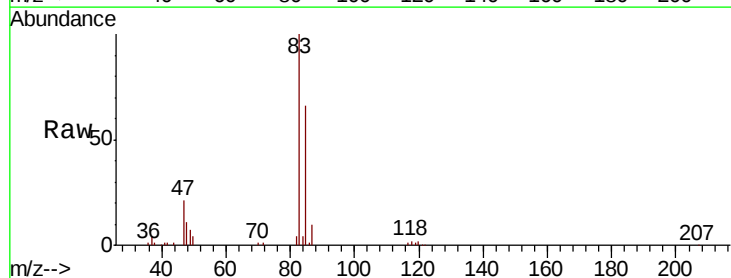
Instrument :  
MSVOA\_N  
ClientSampled :

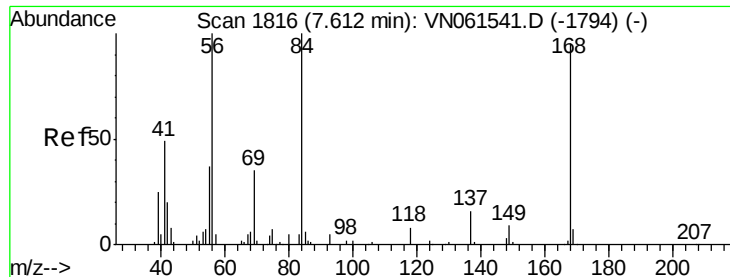
Tot Ion: 42 Resp: 93898  
Ion Ratio Lower Upper  
42 100  
72 58.1 43.6 65.4  
71 53.9 41.2 61.8



#30  
Chloroform  
Concen: 18.698 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 83 Resp: 115134  
Ion Ratio Lower Upper  
83 100  
85 65.6 51.7 77.5

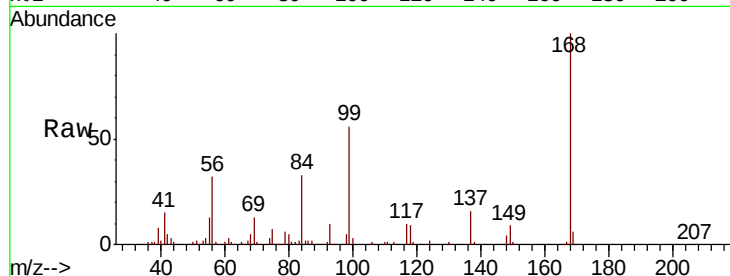




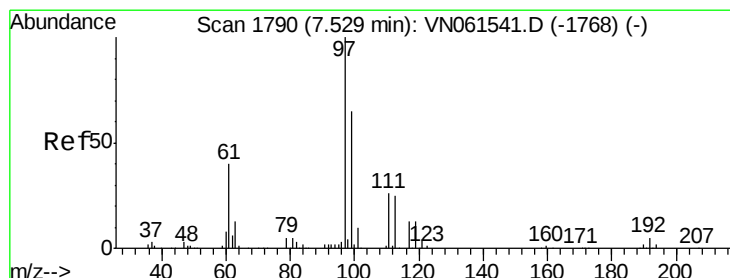
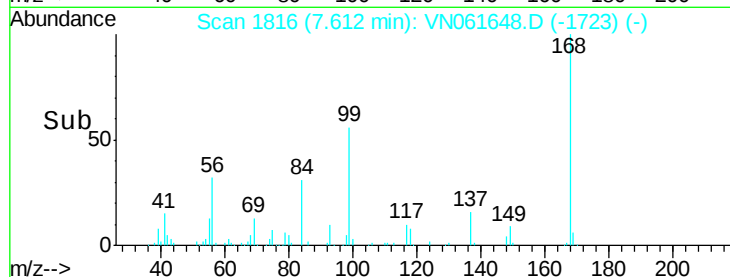
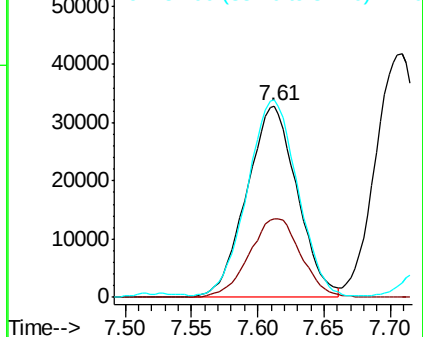
#31  
Cyclohexane  
Concen: 17.417 ug/l  
RT: 7.61 min Scan# 1816  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 87185  
Ion Ratio Lower Upper  
56 100  
69 40.8 27.8 41.8  
84 101.8 79.9 119.9

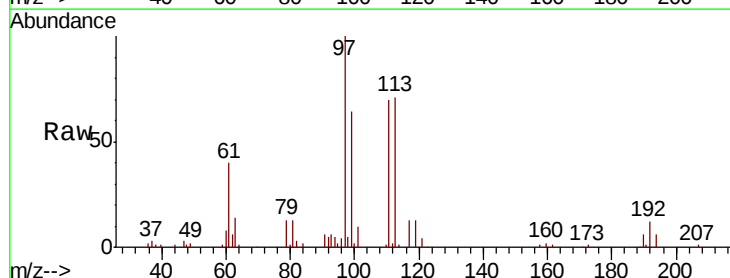


Abundance Ion 56.00 (55.70 to 56.70): VNC  
Ion 69.00 (68.70 to 69.70): VNC  
Ion 84.00 (83.70 to 84.70): VNC

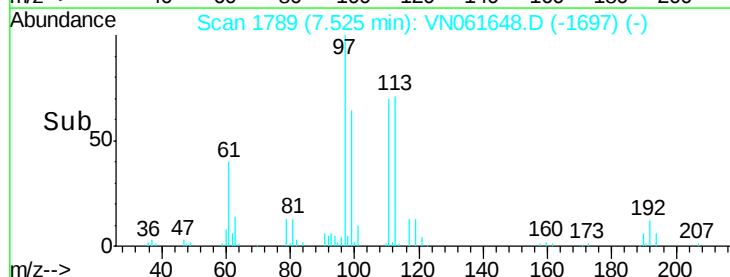
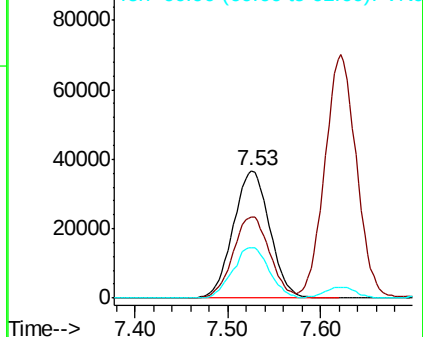


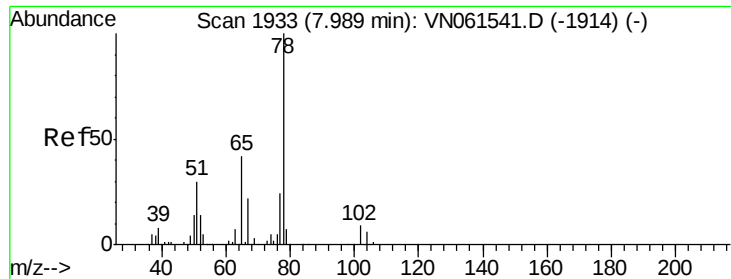
#32  
1,1,1-Trichloroethane  
Concen: 17.877 ug/l  
RT: 7.53 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 97 Resp: 100302  
Ion Ratio Lower Upper  
97 100  
99 63.9 51.4 77.0  
61 39.6 31.4 47.0



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

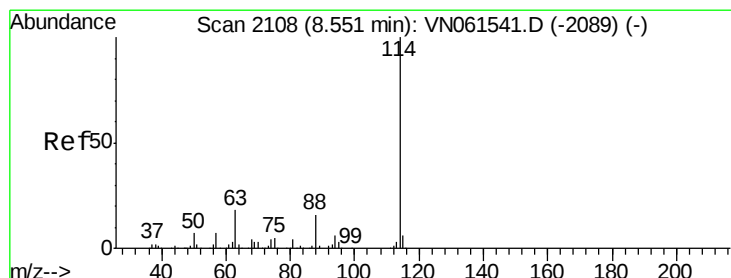
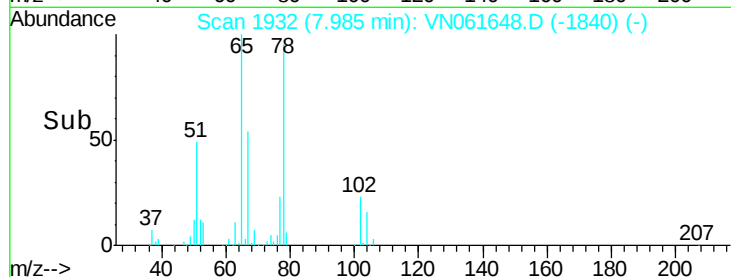
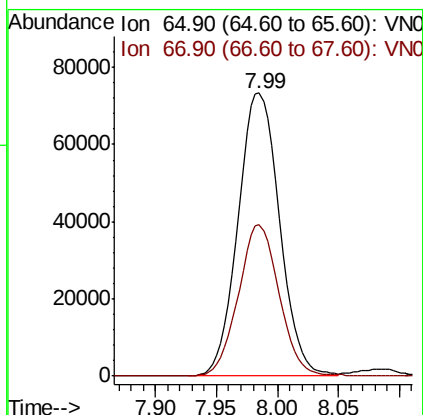
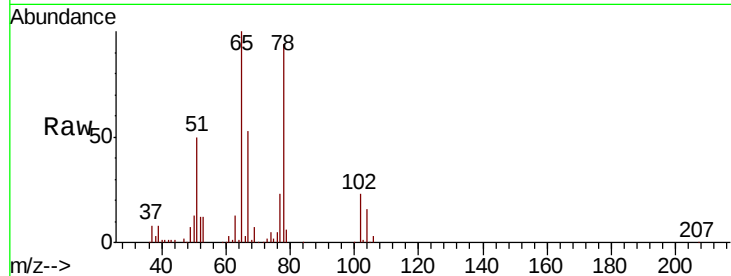




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.720 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

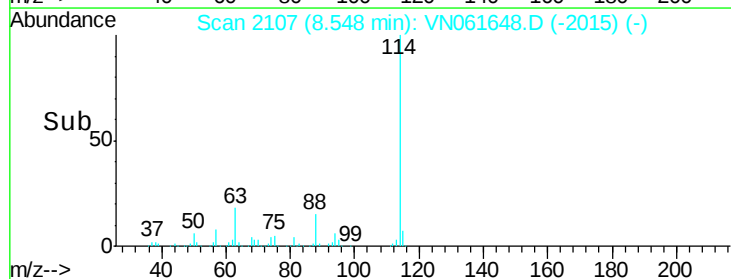
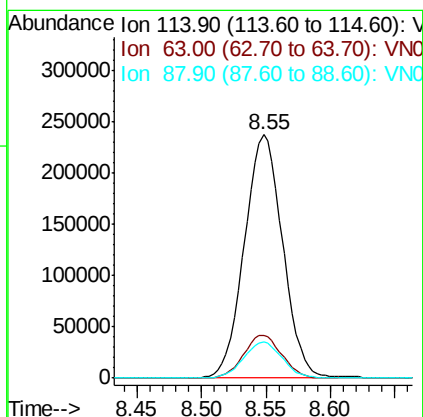
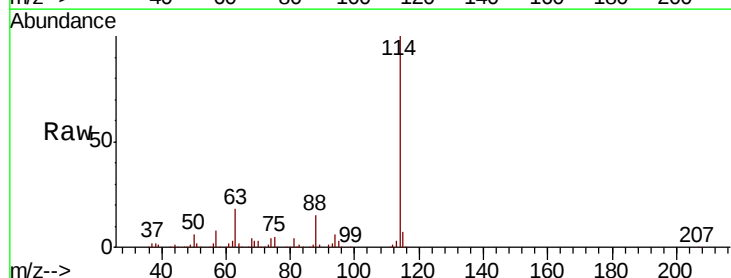
Instrument :  
 MSVOA\_N  
 ClientSampleId :

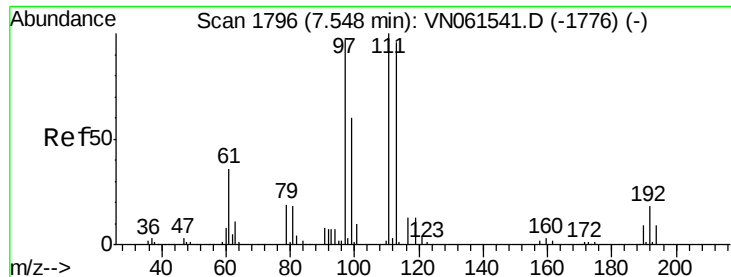
Tot Ion: 65 Resp: 173044  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion: 114 Resp: 492539  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 35.8  
 88 14.8 0.0 31.0

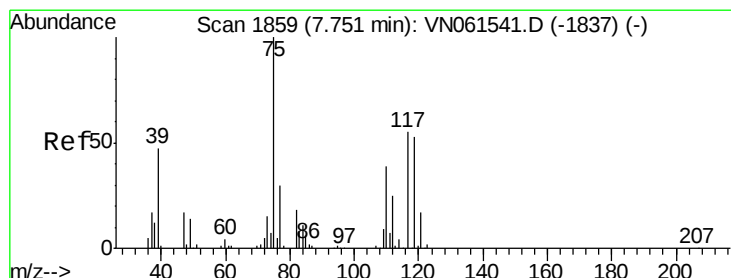
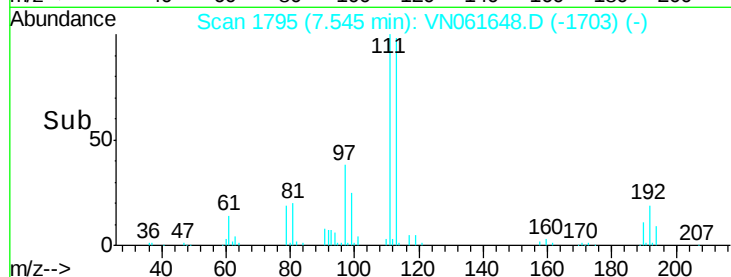
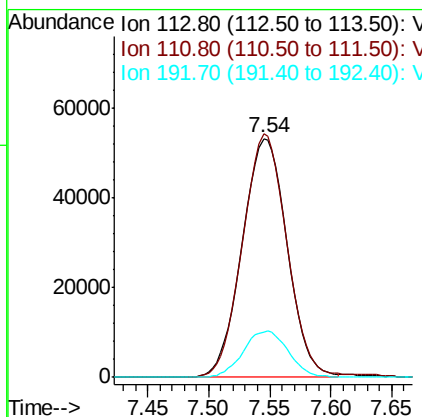
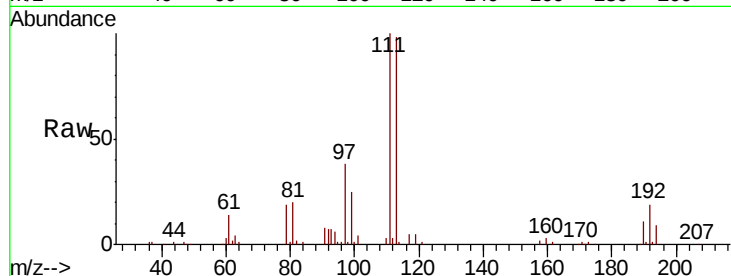




#35  
 Dibromofluoromethane  
 Concen: 54.440 ug/l  
 RT: 7.54 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

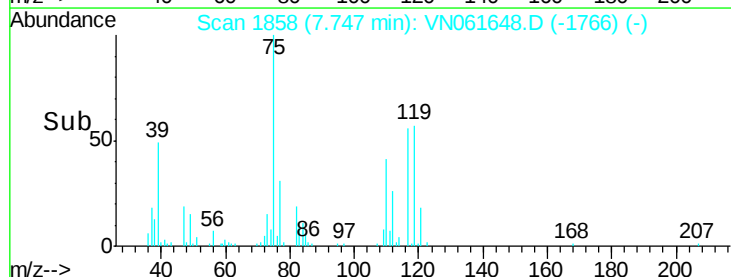
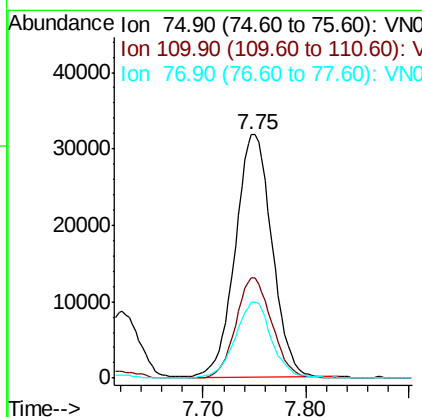
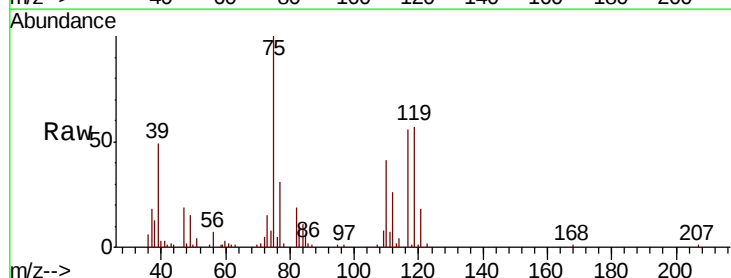
Instrument :  
 MSVOA\_N  
 ClientSampleId :

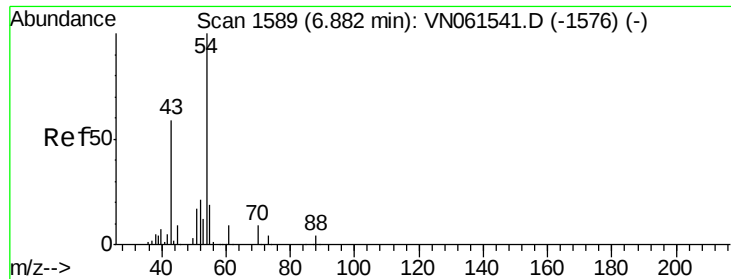
Tot Ion:113 Resp: 136022  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 83.4 125.0  
 192 19.3 15.4 23.2



#36  
 1,1-Dichloropropene  
 Concen: 18.044 ug/l  
 RT: 7.75 min Scan# 1858  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion: 75 Resp: 78677  
 Ion Ratio Lower Upper  
 75 100  
 110 40.3 19.5 58.5  
 77 31.3 24.7 37.1

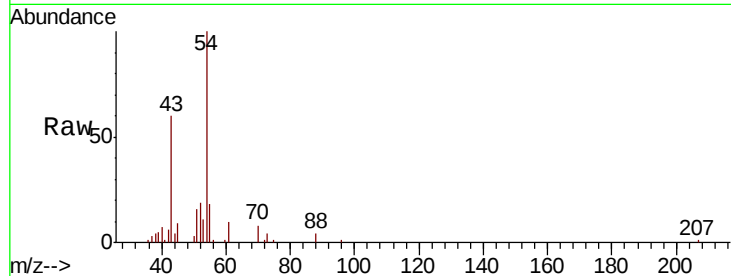




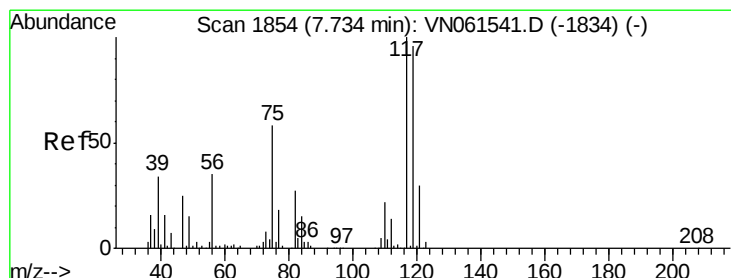
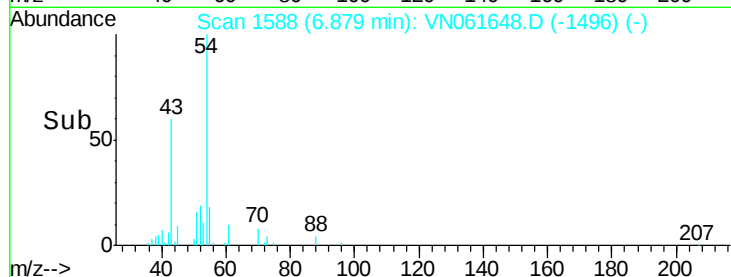
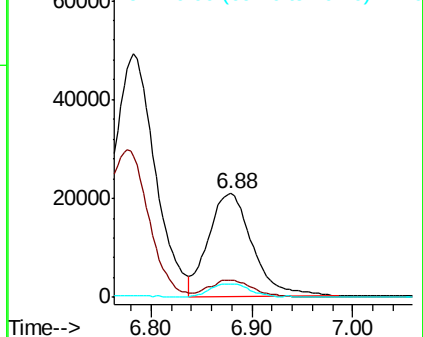
#37  
Ethyl Acetate  
Concen: 17.928 ug/l  
RT: 6.88 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 62962  
Ion Ratio Lower Upper  
43 100  
61 17.3 12.2 18.4  
70 12.5 9.4 14.2

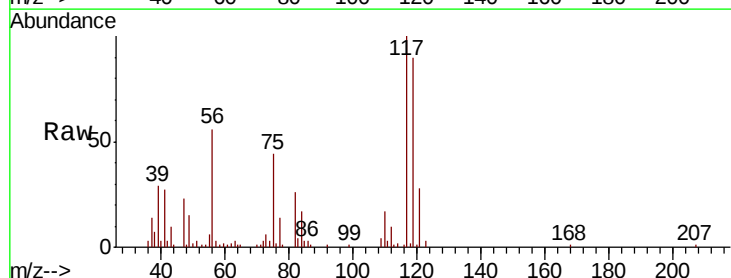


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

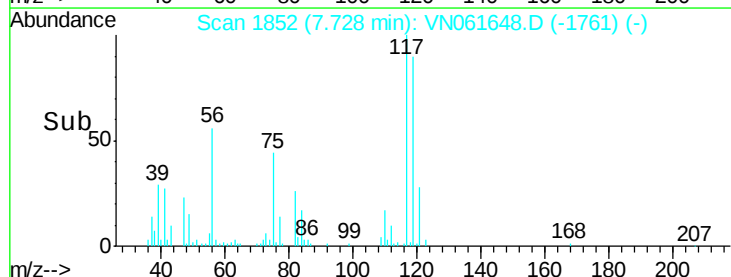
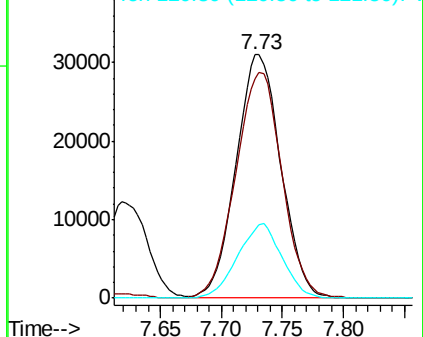


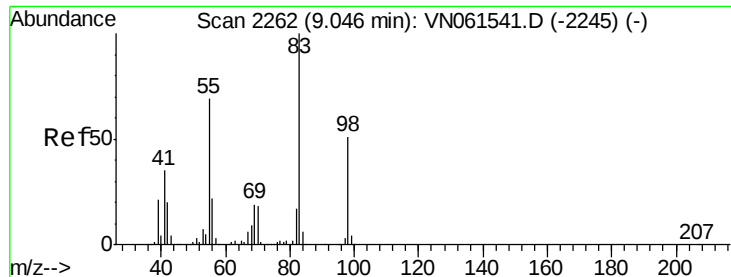
#38  
Carbon Tetrachloride  
Concen: 18.769 ug/l  
RT: 7.73 min Scan# 1852  
Delta R.T. -0.01 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 117 Resp: 78939  
Ion Ratio Lower Upper  
117 100  
119 90.3 76.5 114.7  
121 28.1 24.1 36.1



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

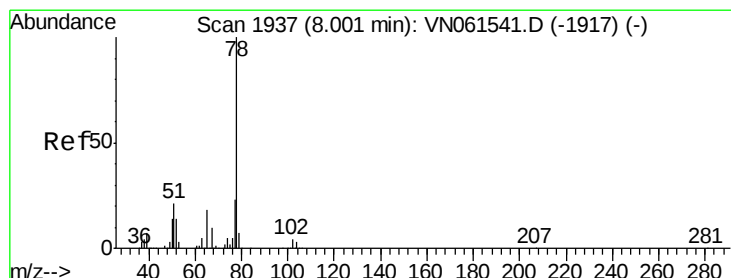
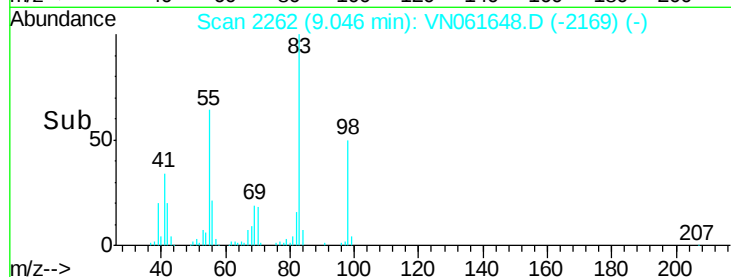
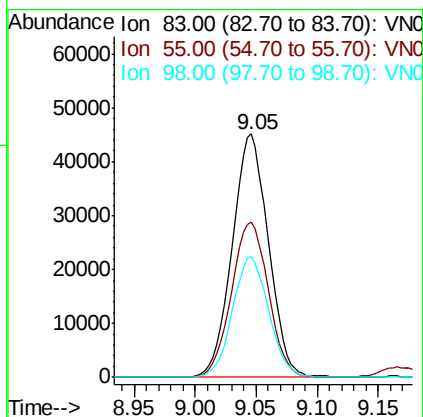
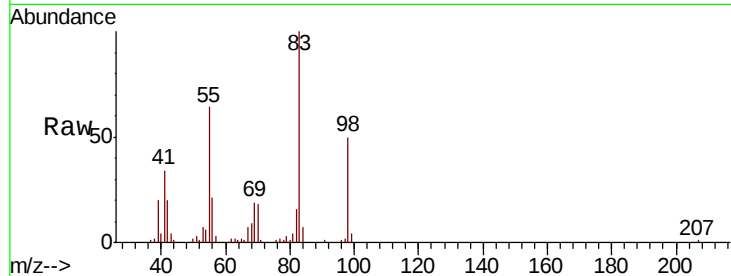




#39  
Methvlcvclohexane  
Concen: 17.266 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

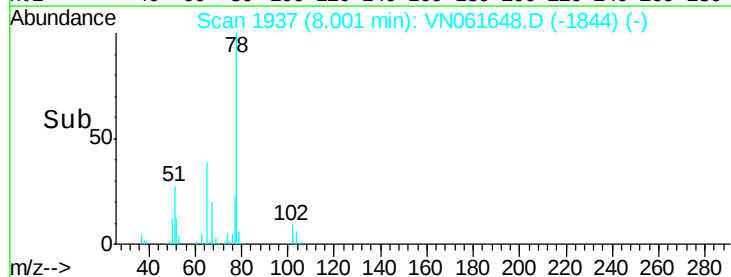
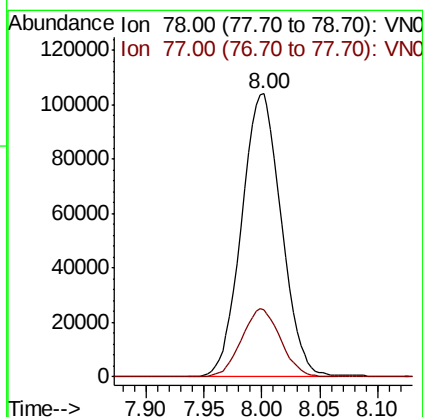
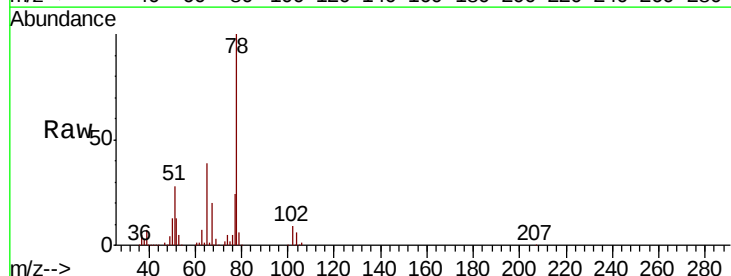
Instrument :  
MSVOA\_N  
ClientSampleId :

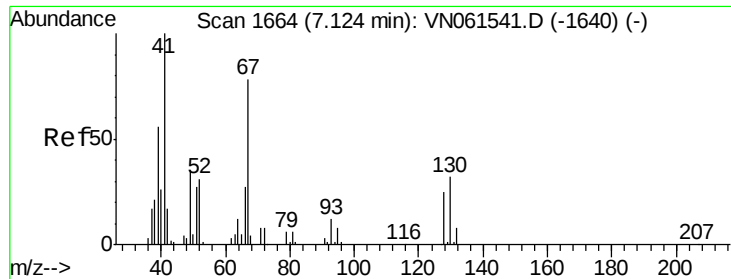
Tot Ion: 83 Resp: 92792  
Ion Ratio Lower Upper  
83 100  
55 63.9 54.9 82.3  
98 49.7 41.0 61.4



#40  
Benzene  
Concen: 18.517 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 78 Resp: 249116  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.6 28.0

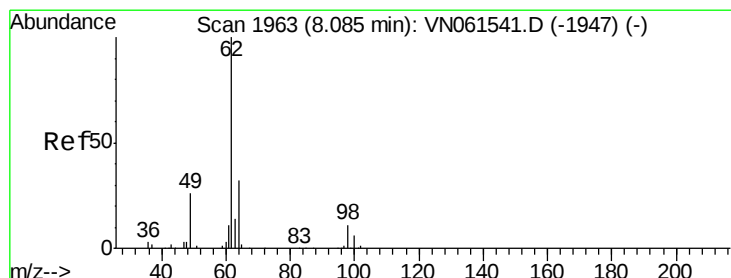
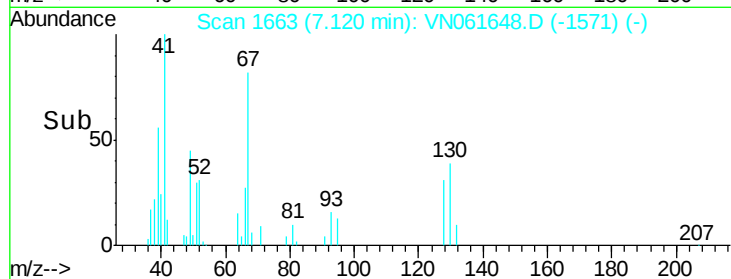
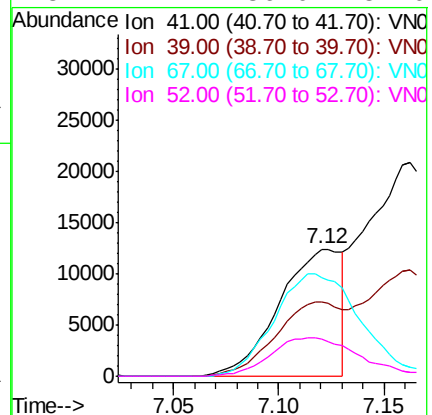
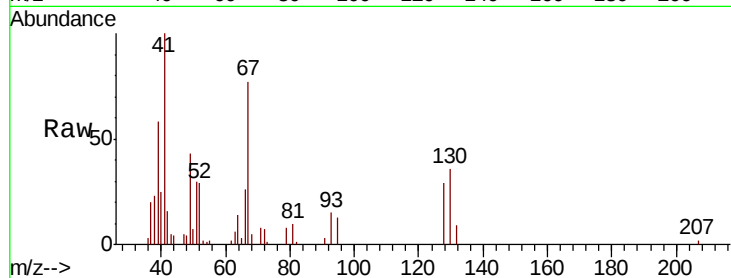




#41  
Methacrylonitrile  
Concen: 15.867 ug/l  
RT: 7.12 min Scan# 1663  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

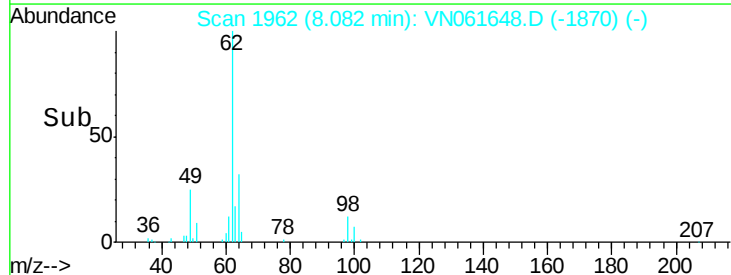
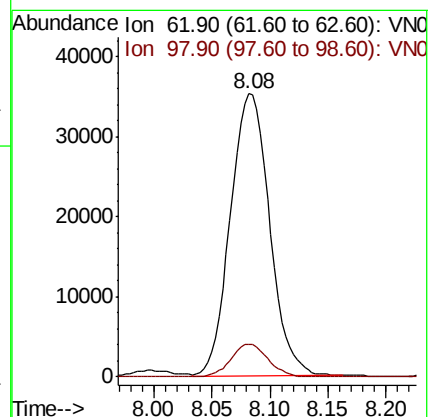
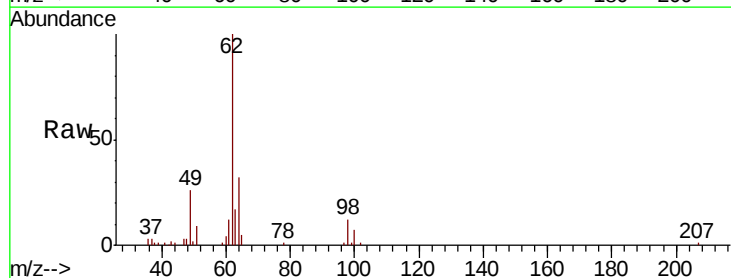
Instrument :  
MSVOA\_N  
ClientSampled :

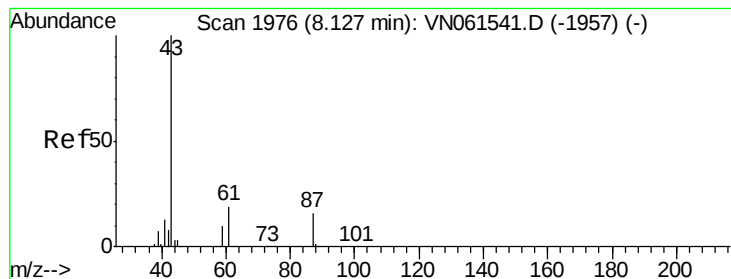
Tot Ion: 41 Resp: 25531  
Ion Ratio Lower Upper  
41 100  
39 60.1 53.8 80.6  
67 113.0 91.1 136.7  
52 42.7 36.0 54.0



#42  
1,2-Dichloroethane  
Concen: 18.385 ug/l  
RT: 8.08 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 62 Resp: 82808  
Ion Ratio Lower Upper  
62 100  
98 10.9 0.0 21.4



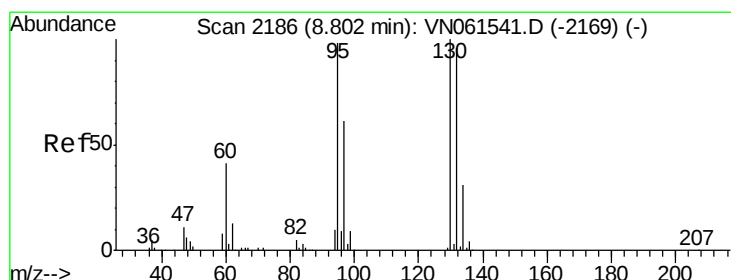
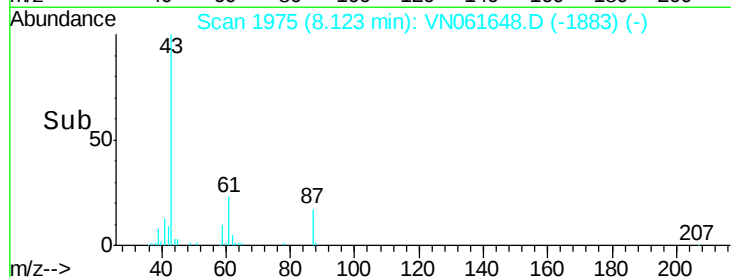
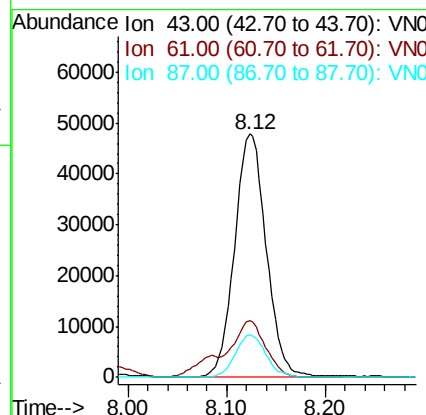
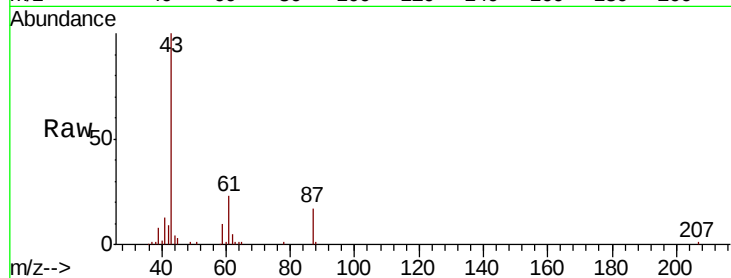


#43

Isopropyl Acetate  
 Concen: 17.009 ug/l  
 RT: 8.12 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :

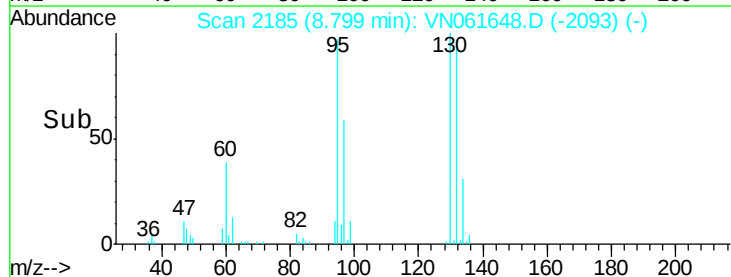
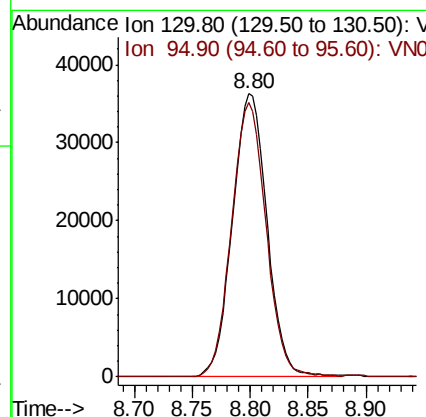
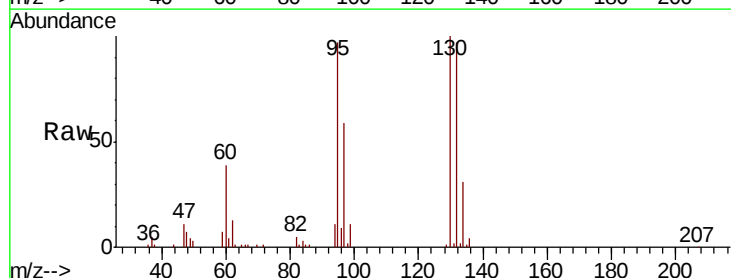
Tot Ion: 43 Resp: 107465  
 Ion Ratio Lower Upper  
 43 100  
 61 23.4 23.6 35.4#  
 87 16.8 13.0 19.6



#44

Trichloroethene  
 Concen: 18.094 ug/l  
 RT: 8.80 min Scan# 2185  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion: 130 Resp: 74809  
 Ion Ratio Lower Upper  
 130 100  
 95 96.9 0.0 196.6





#45

1,2-Dichloropropane

Concen: 18.631 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

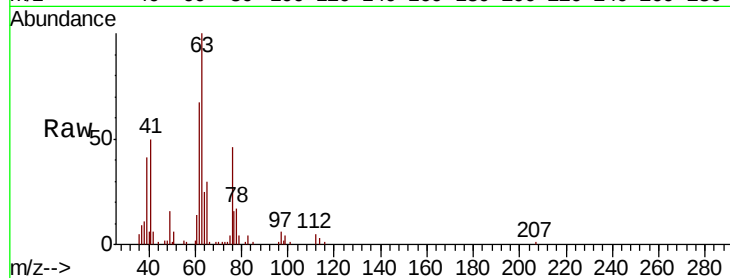
ClientSampleId :

Tot Ion: 63 Resp: 59519

Ion Ratio Lower Upper

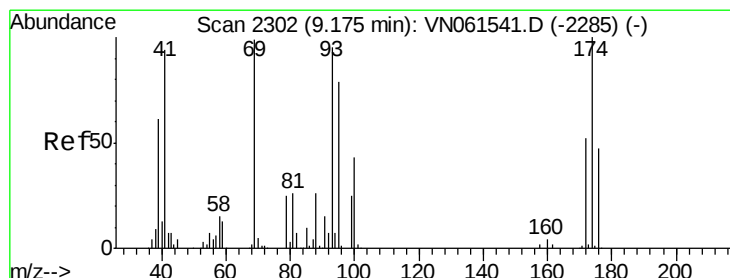
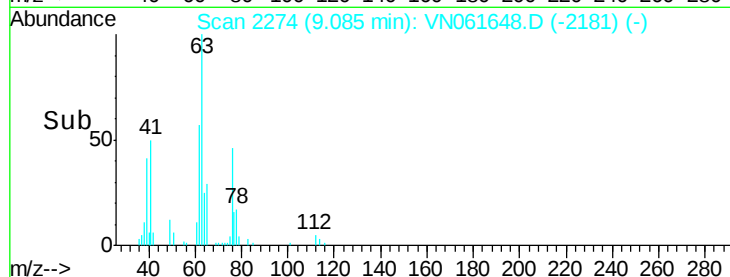
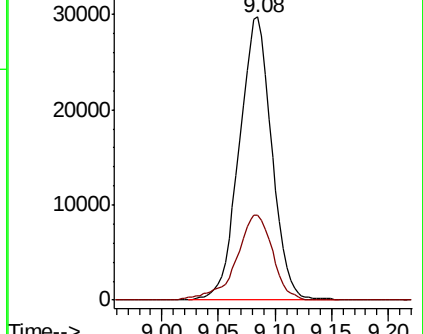
63 100

65 30.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061648.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061648.D (-2181) (-)



#46

Dibromomethane

Concen: 18.494 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

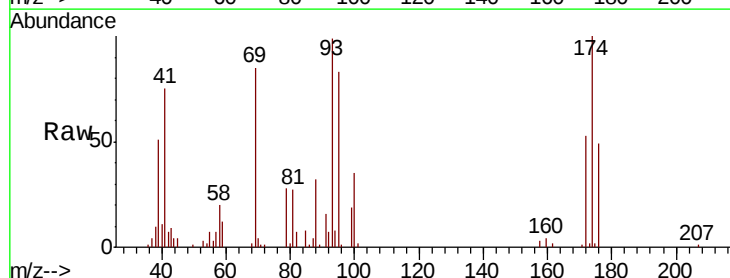
Tgt Ion: 93 Resp: 45312

Ion Ratio Lower Upper

93 100

95 83.8 66.0 99.0

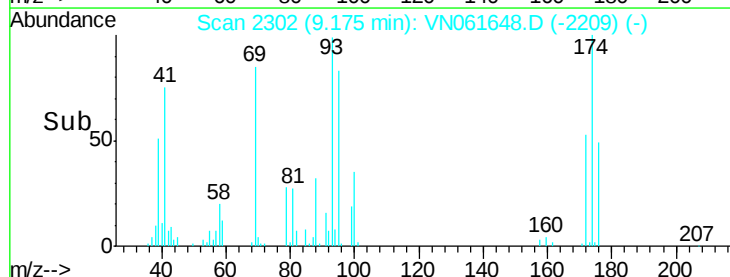
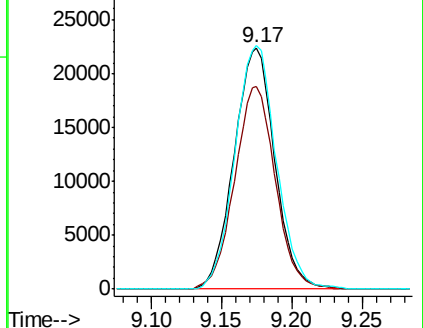
174 102.7 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061648.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN061648.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN061648.D (-2209) (-)

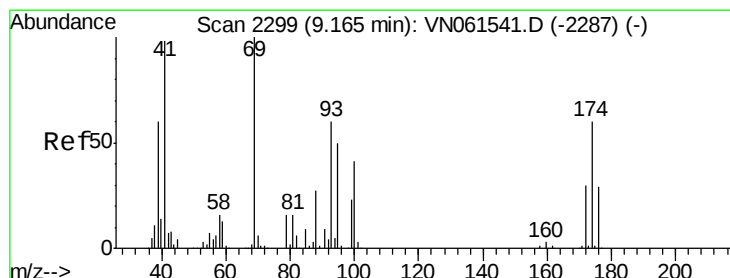
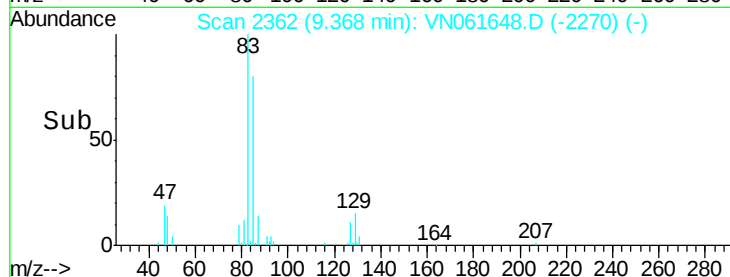
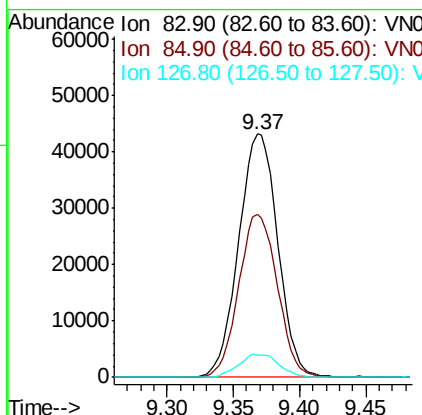
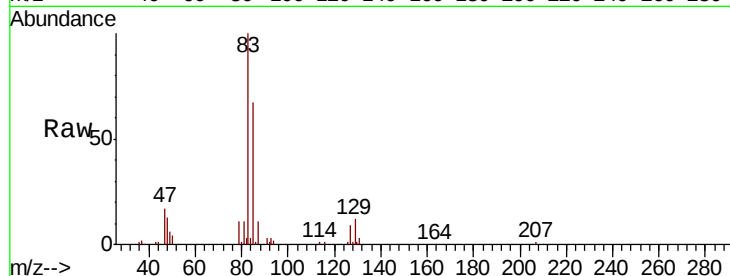




#47  
Bromodichloromethane  
Concen: 18.237 ug/l  
RT: 9.37 min Scan# 2362  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

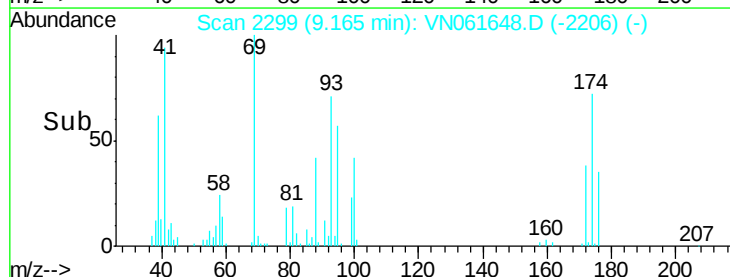
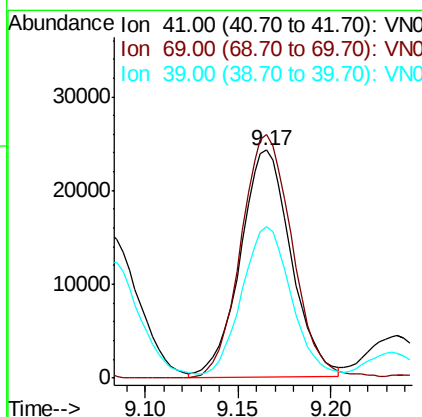
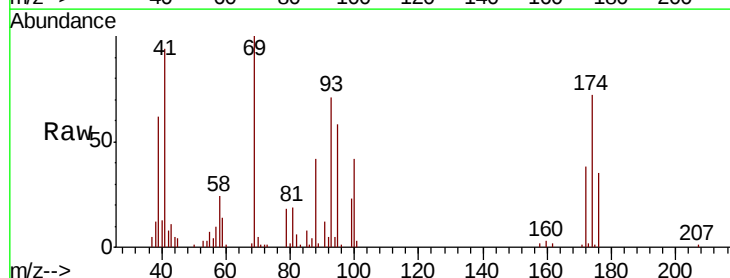
Instrument :  
MSVOA\_N  
ClientSampleId :

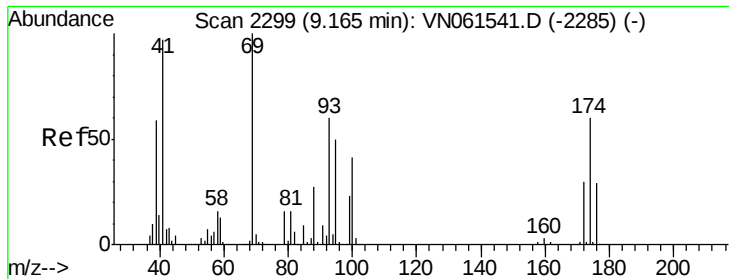
Tot Ion: 83 Resp: 88527  
Ion Ratio Lower Upper  
83 100  
85 67.0 51.1 76.7  
127 9.2 7.2 10.8



#48  
Methyl methacrylate  
Concen: 16.262 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 41 Resp: 46229  
Ion Ratio Lower Upper  
41 100  
69 108.5 83.9 125.9  
39 65.8 52.1 78.1

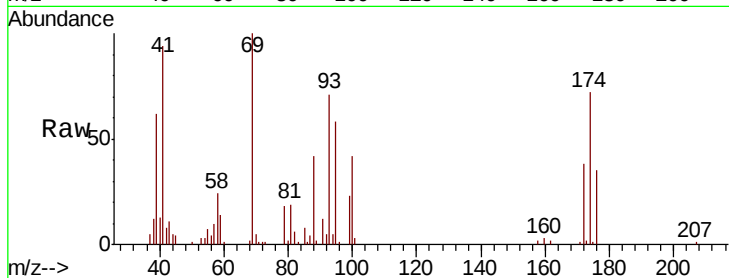




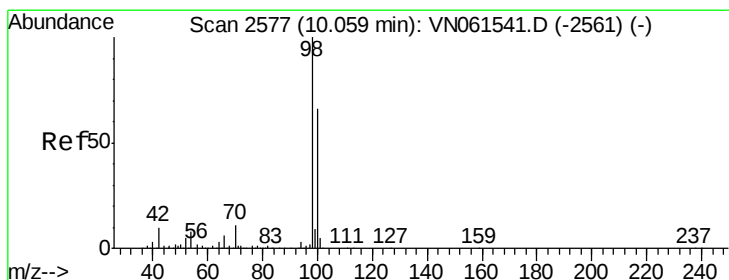
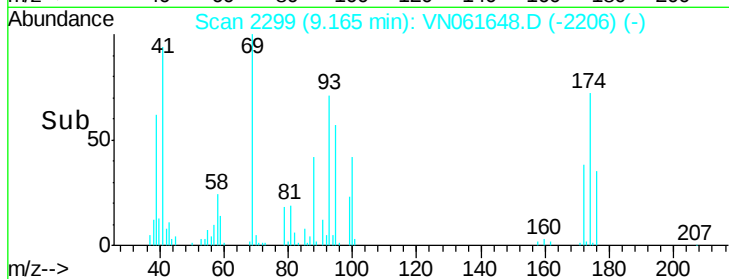
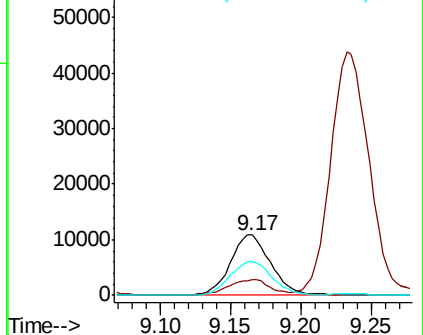
#49  
 1,4-Dioxane  
 Concen: 494.412 ug/l  
 RT: 9.17 min Scan# 2299  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion: 88 Resp: 21773  
 Ion Ratio Lower Upper  
 88 100  
 43 27.5 23.1 34.7  
 58 58.6 48.3 72.5

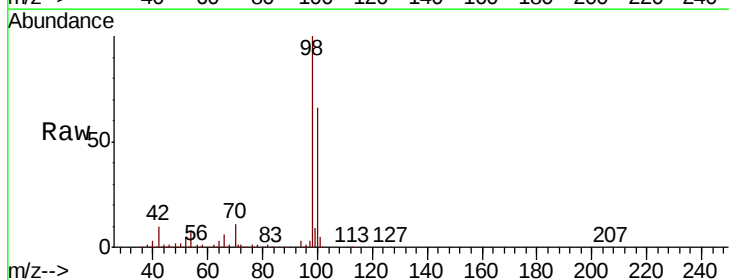


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

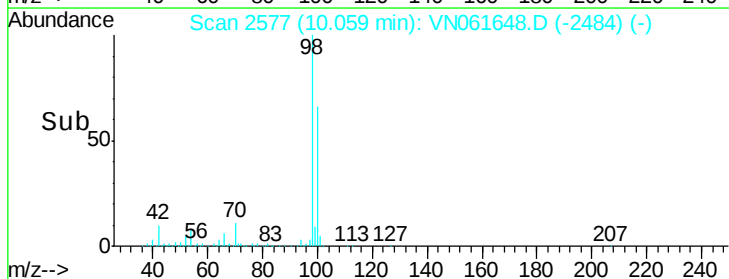
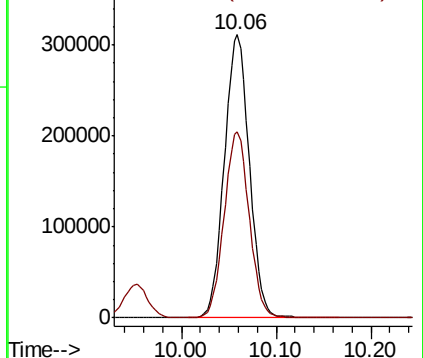


#50  
 Toluene-d8  
 Concen: 49.437 ug/l  
 RT: 10.06 min Scan# 2577  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion: 98 Resp: 572409  
 Ion Ratio Lower Upper  
 98 100  
 100 65.7 52.8 79.2



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: 86.569 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

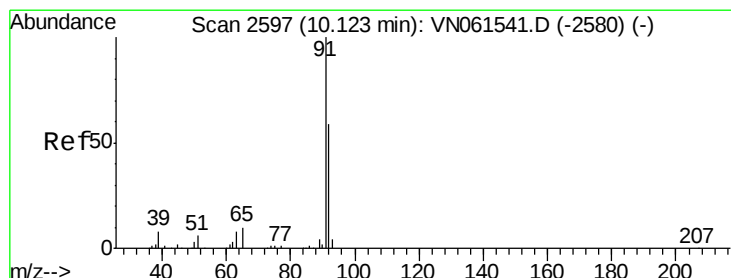
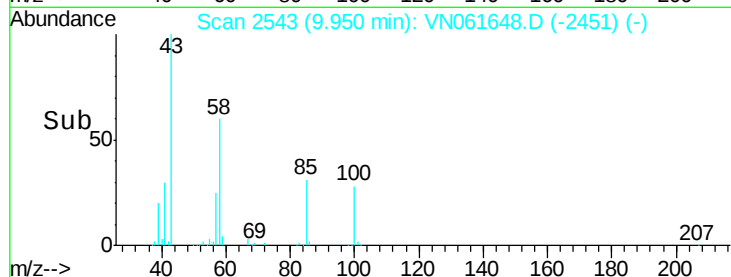
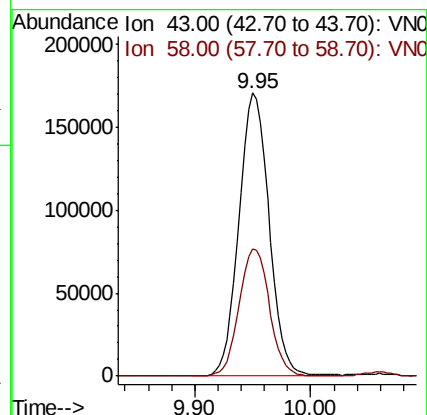
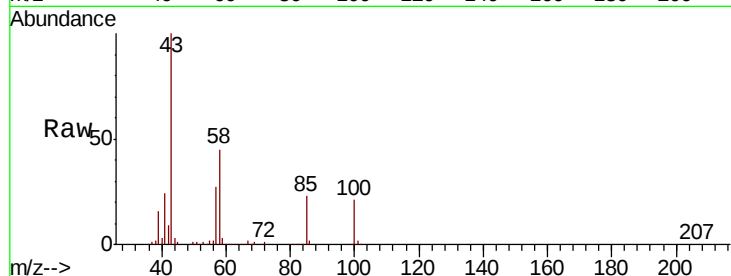
ClientSampleId :

Tot Ion: 43 Resp: 308231

Ion Ratio Lower Upper

43 100

58 45.3 35.0 52.6



#52

Toluene

Concen: 18.702 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061648.D

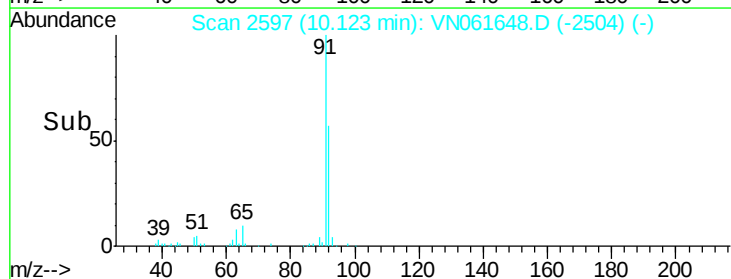
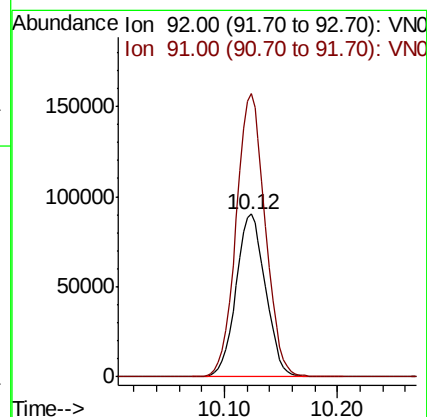
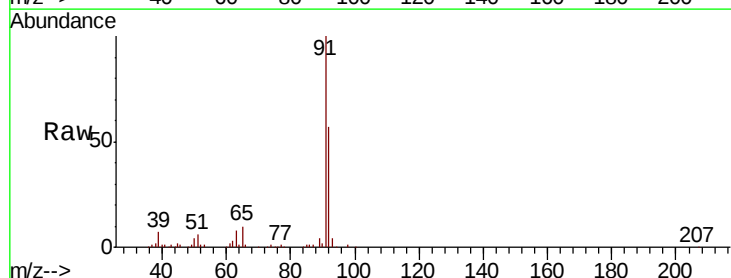
Acq: 4 Jun 2020 13:07

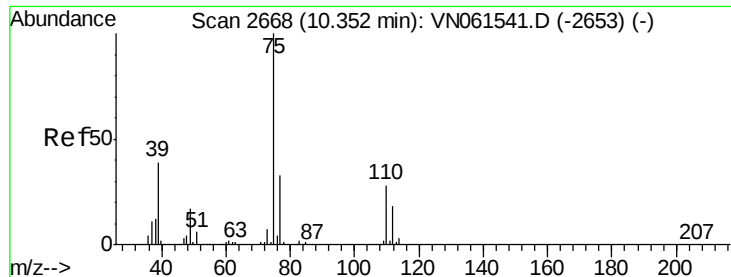
Tgt Ion: 92 Resp: 164222

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.662 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

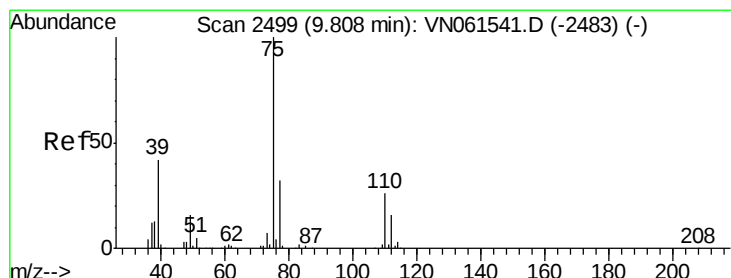
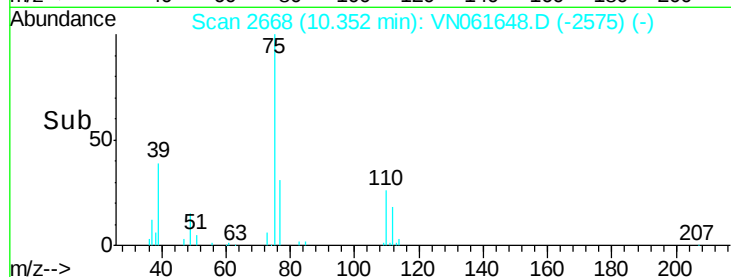
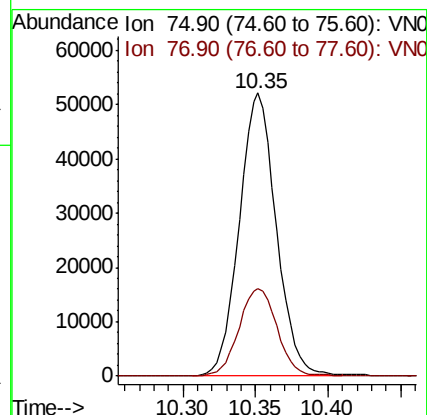
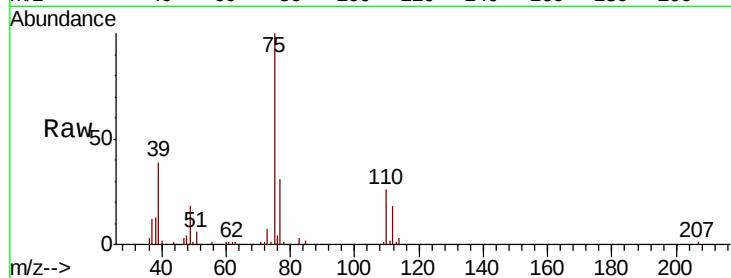
ClientSampled :

Tot Ion: 75 Resp: 92355

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 18.225 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

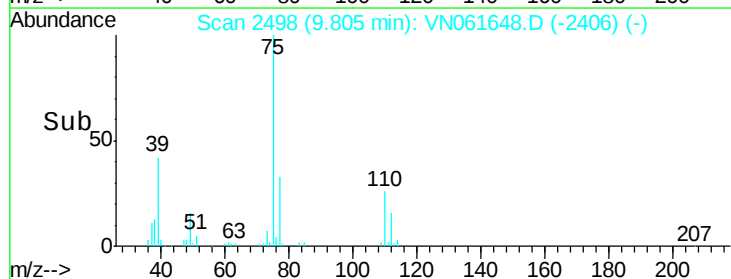
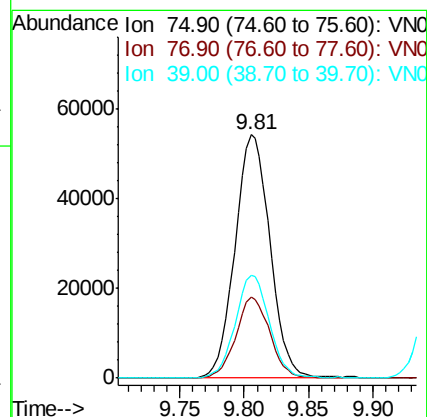
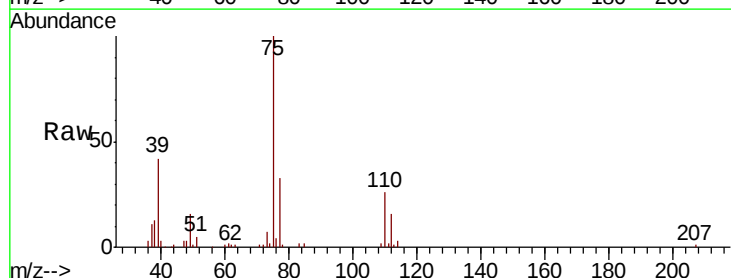
Tgt Ion: 75 Resp: 102471

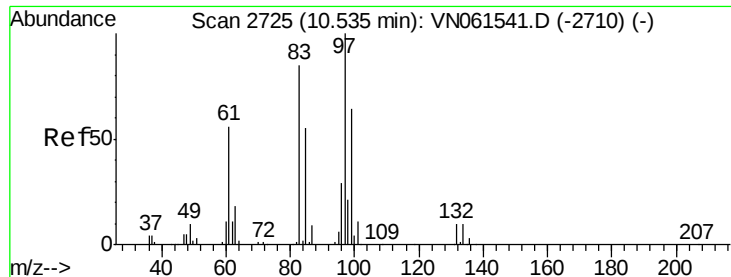
Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2

39 42.2 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 19.050 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

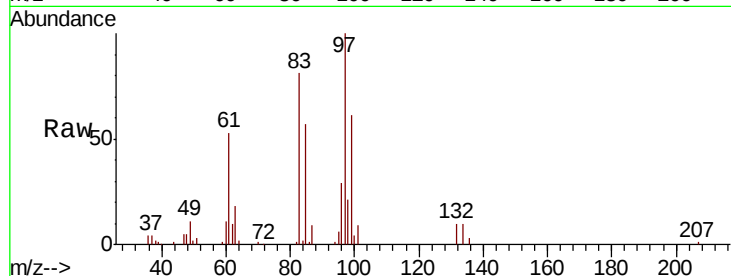
Instrument :

MSVOA\_N

ClientSampled :

Tot Ion: 97 Resp: 66644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 80.8  | 68.1  | 102.1 |
| 85  | 57.2  | 44.1  | 66.1  |
| 99  | 60.8  | 51.1  | 76.7  |

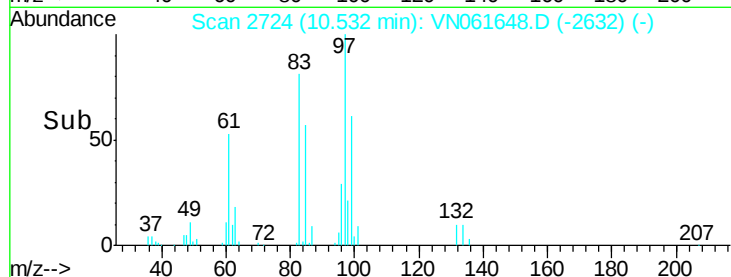


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->

10.53

40000

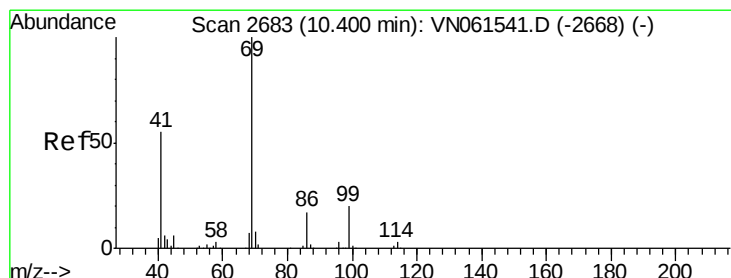
30000

20000

10000

0

10.45 10.50 10.55 10.60



#56

Ethyl methacrylate

Concen: 17.335 ug/l

RT: 10.40 min Scan# 2683

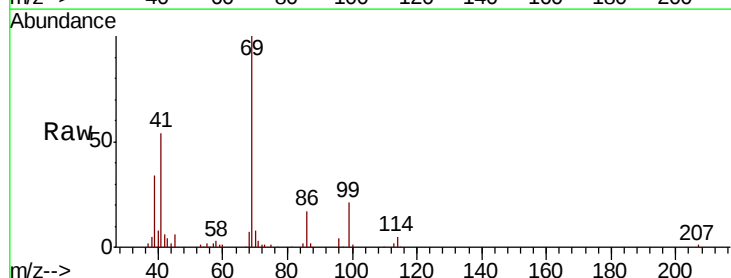
Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Tgt Ion: 69 Resp: 84713

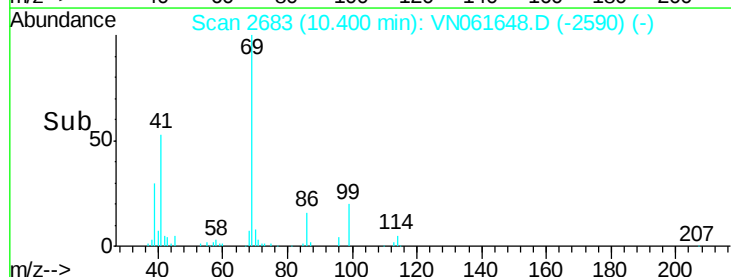
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 54.7  | 43.5  | 65.3  |
| 39  | 33.5  | 27.0  | 40.6  |



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

10.40

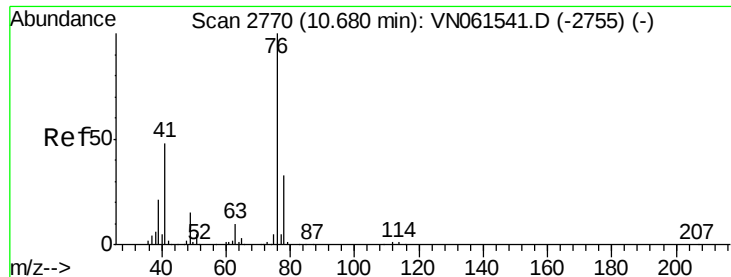
60000

40000

20000

0

10.35 10.40 10.45



#57

1,3-Dichloropropane

Concen: 18.619 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

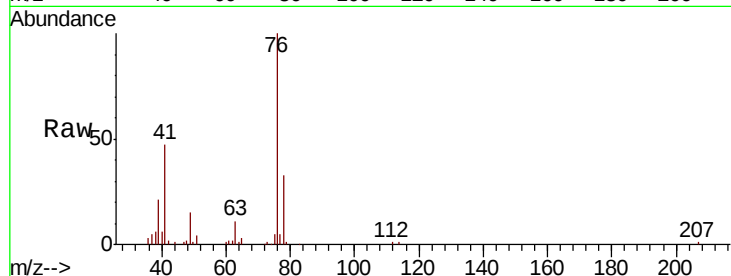
ClientSampled :

Tot Ion: 76 Resp: 104175

Ion Ratio Lower Upper

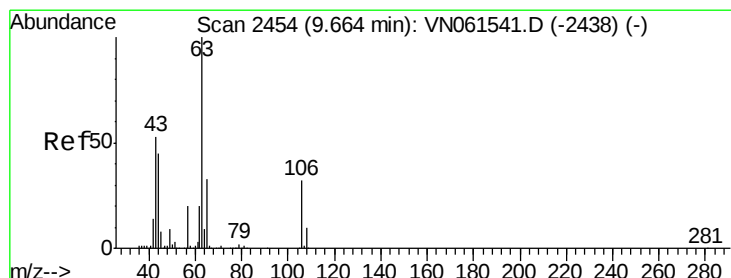
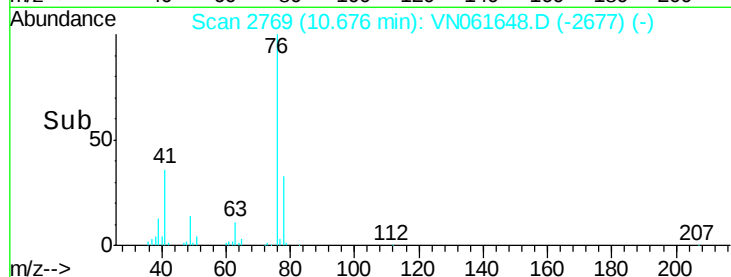
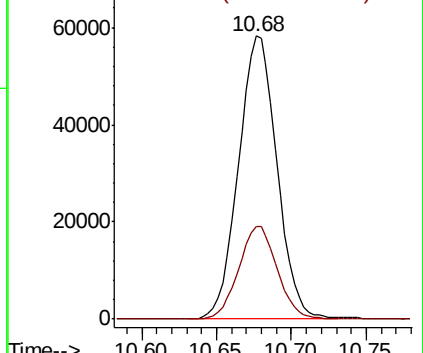
76 100

78 32.8 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.585 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN061648.D

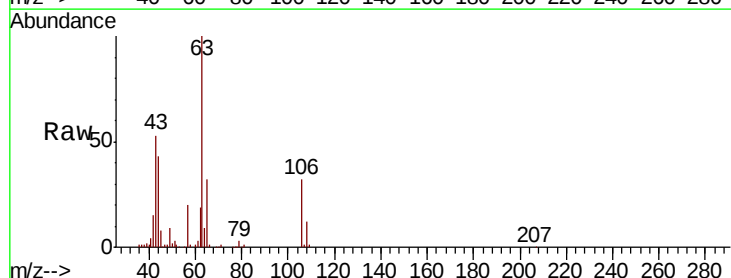
Acq: 4 Jun 2020 13:07

Tgt Ion: 63 Resp: 176644

Ion Ratio Lower Upper

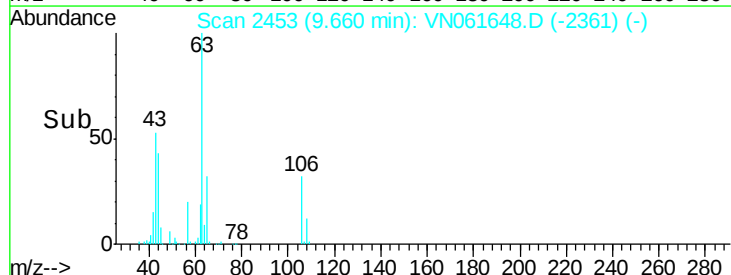
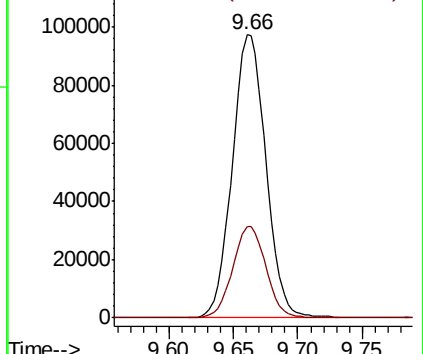
63 100

106 31.8 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

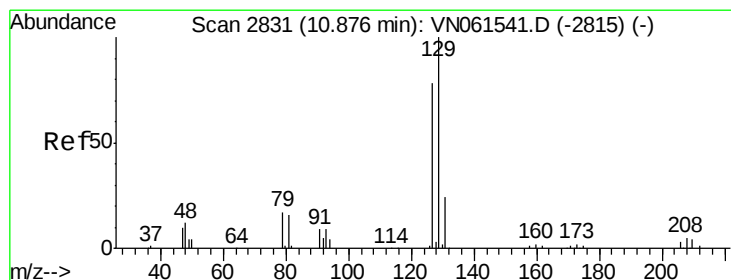
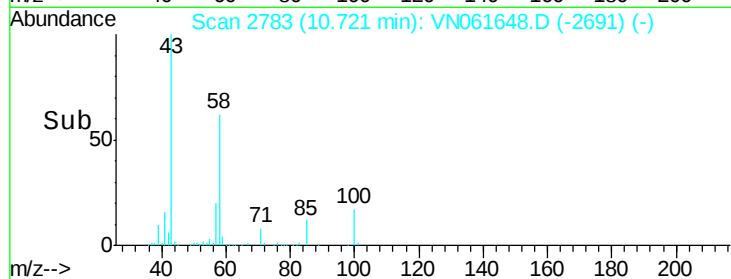
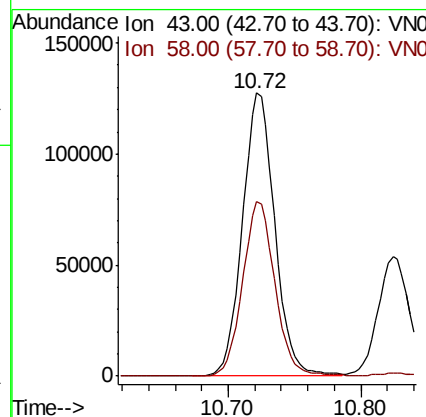
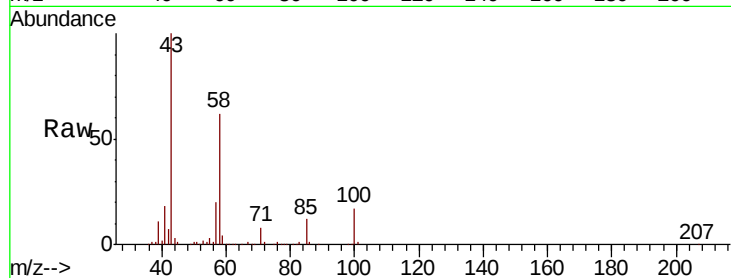




#59  
2-Hexanone  
Concen: 84.480 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

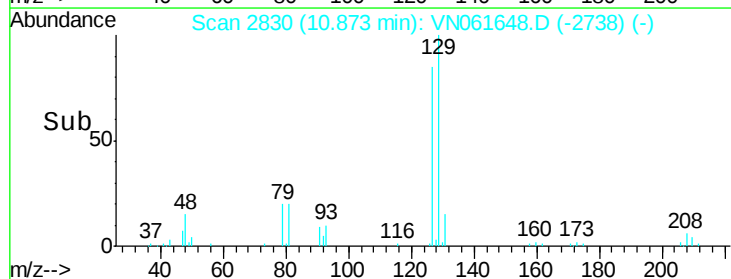
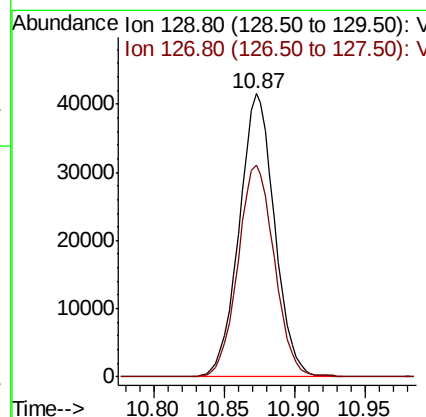
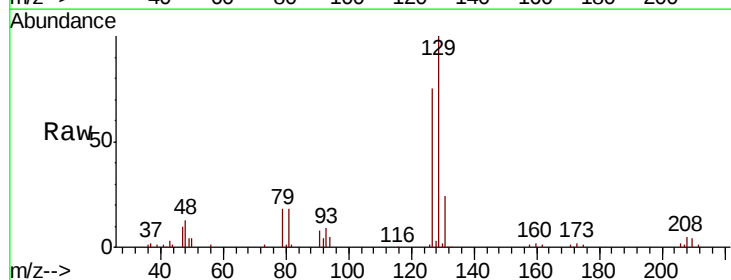
Instrument :  
MSVOA\_N  
ClientSampled :

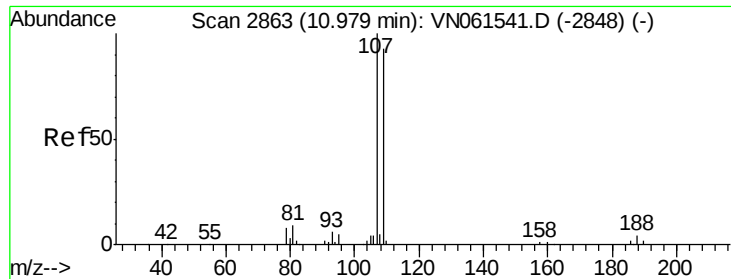
Tot Ion: 43 Resp: 216020  
Ion Ratio Lower Upper  
43 100  
58 61.8 30.7 92.1



#60  
Dibromochloromethane  
Concen: 18.322 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 129 Resp: 72870  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.841 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

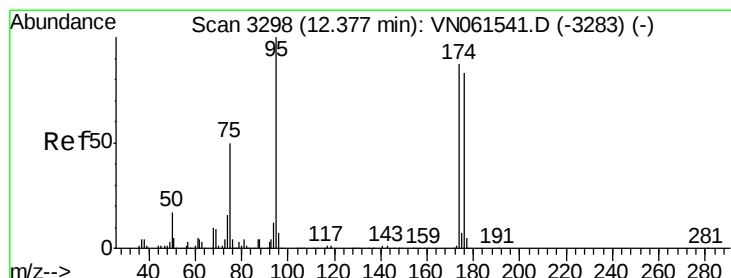
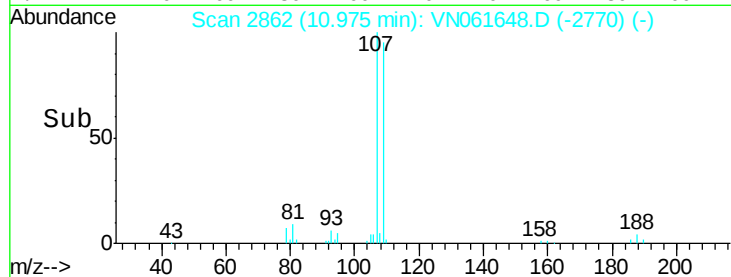
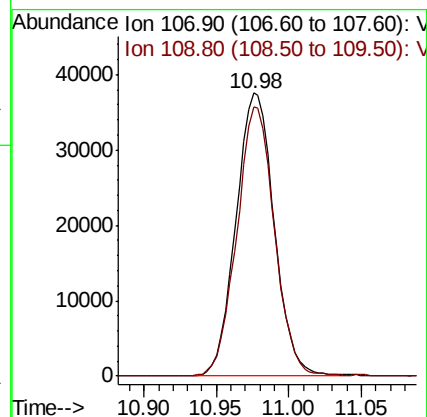
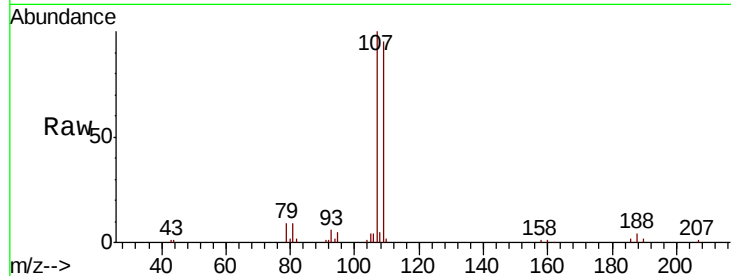
ClientSampleId :

Tot Ion:107 Resp: 68742

Ion Ratio Lower Upper

107 100

109 93.7 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 47.435 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

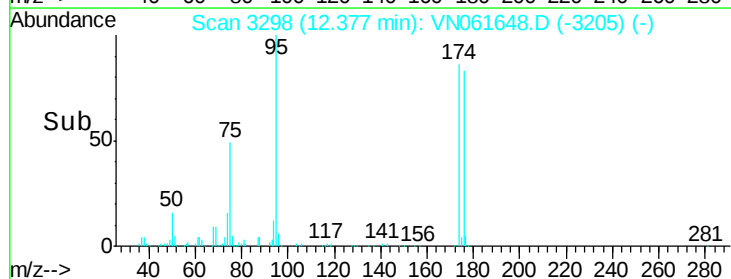
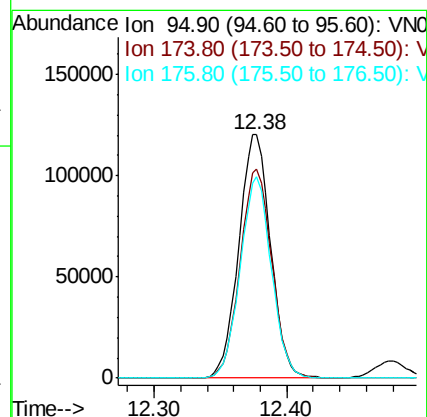
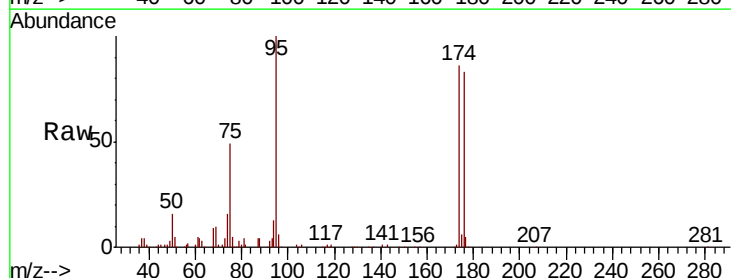
Tgt Ion: 95 Resp: 200378

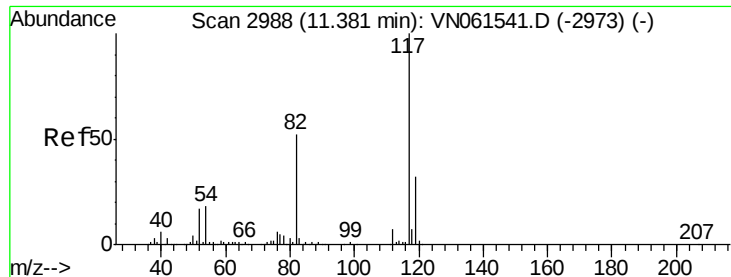
Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.8

176 81.0 0.0 164.8

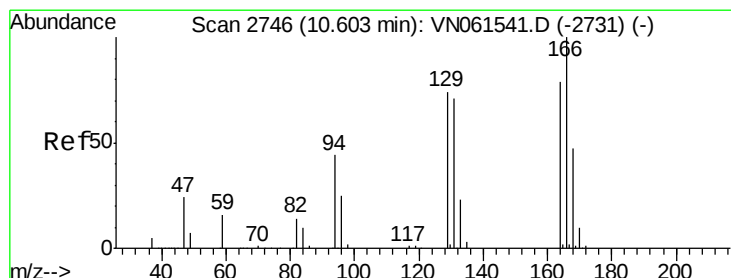
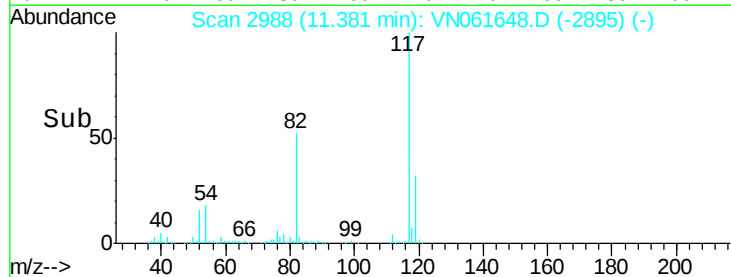
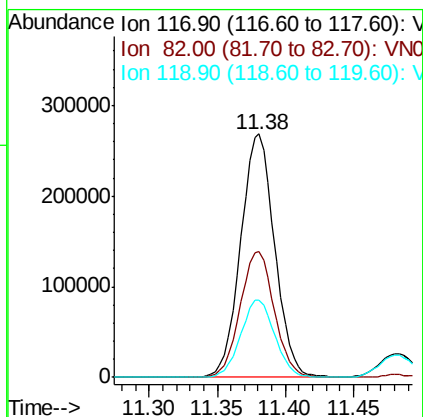
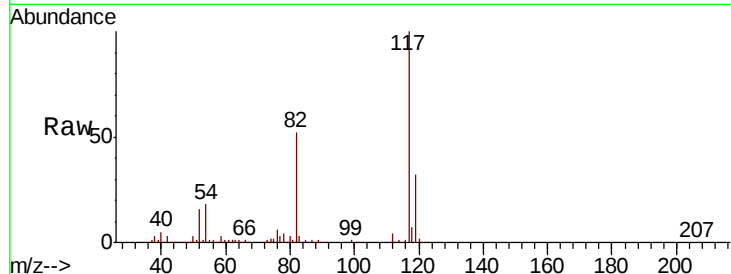




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

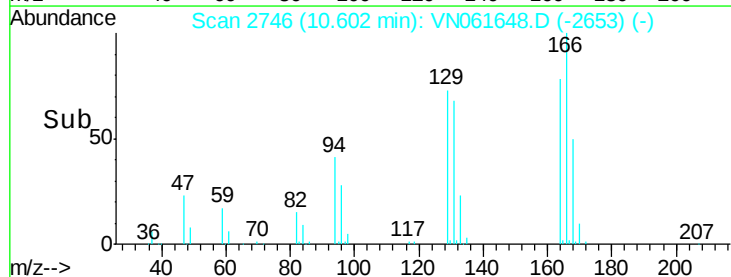
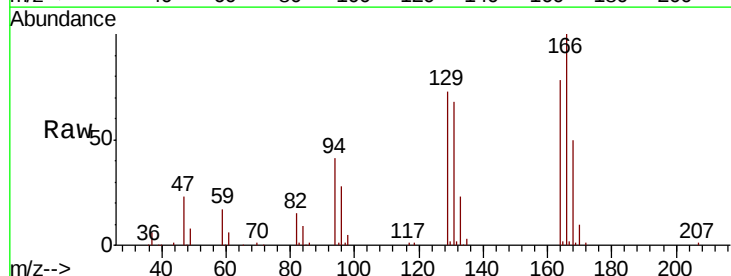
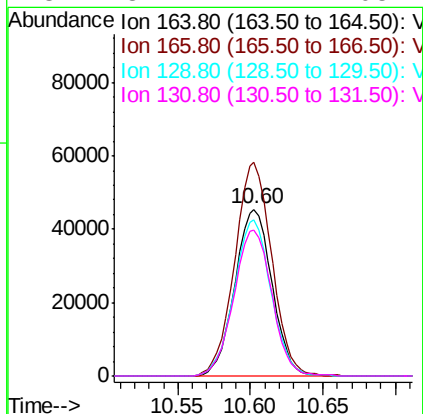
Instrument :  
MSVOA\_N  
ClientSampled :

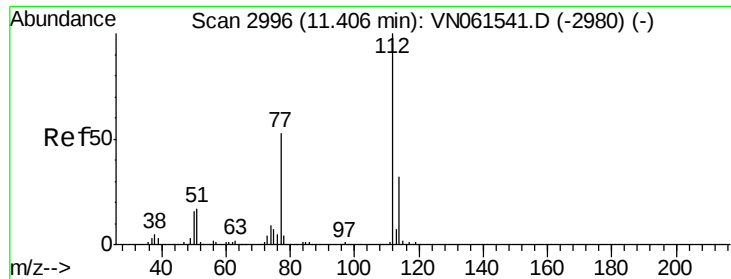
Tot Ion:117 Resp: 463045  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.5 62.3  
119 31.8 25.6 38.4



#64  
Tetrachloroethene  
Concen: 18.523 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion:164 Resp: 80735  
Ion Ratio Lower Upper  
164 100  
166 127.9 101.5 152.3  
129 93.8 74.9 112.3  
131 87.1 72.2 108.2





#65

Chlorobenzene

Concen: 18.724 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

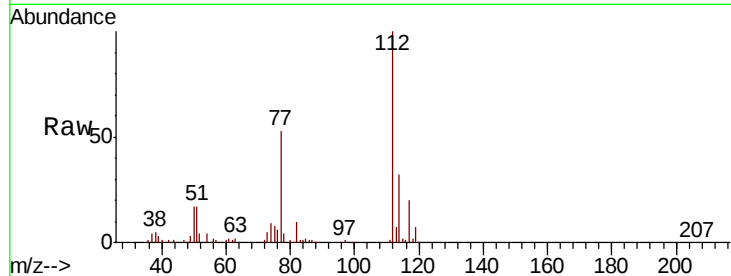
ClientSampleId :

Tot Ion:112 Resp: 180215

Ion Ratio Lower Upper

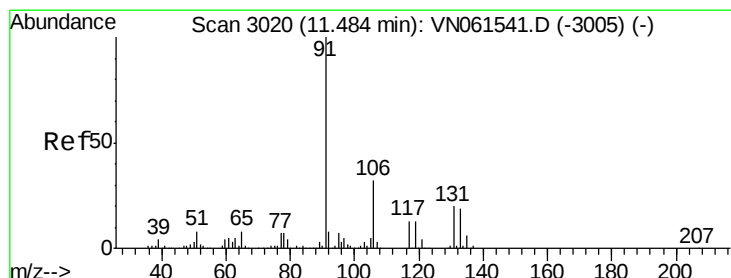
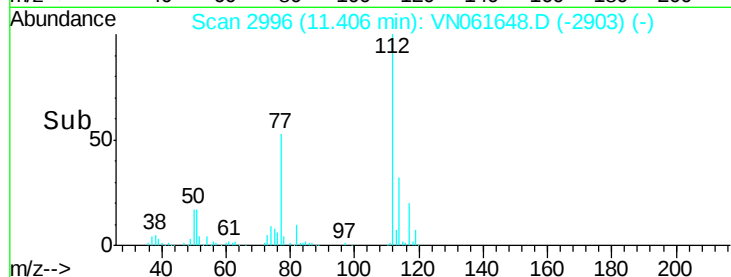
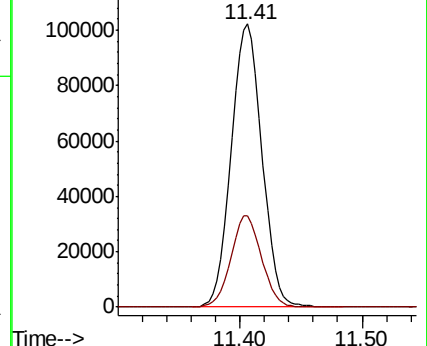
112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.836 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

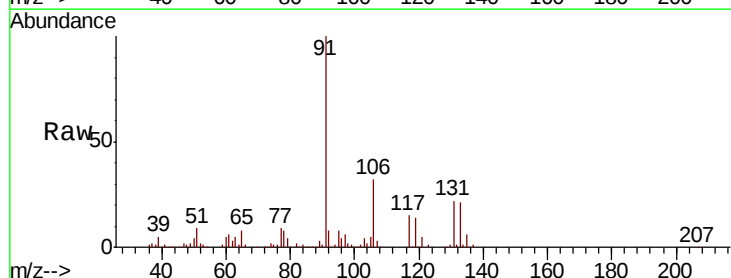
Tgt Ion:131 Resp: 67507

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.2

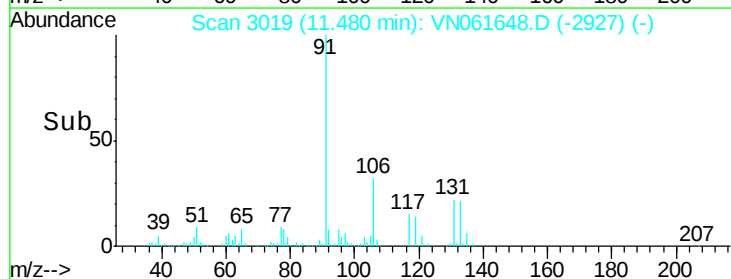
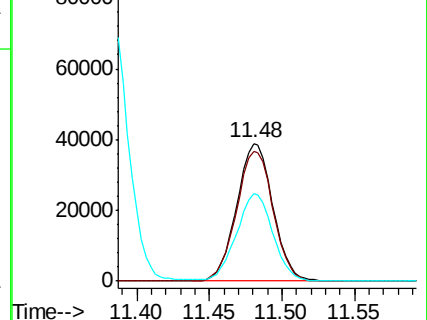
119 64.0 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

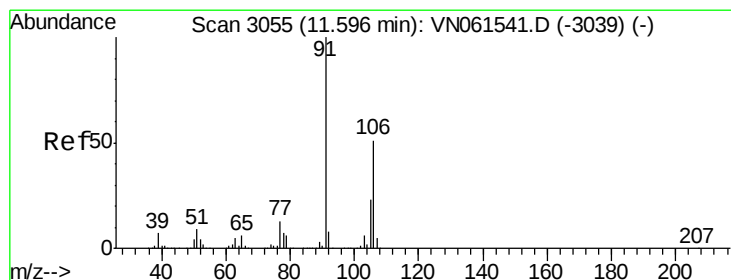
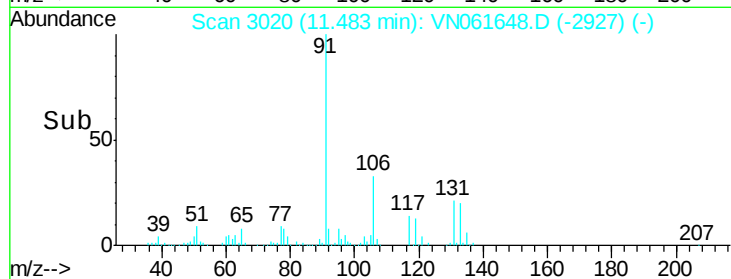
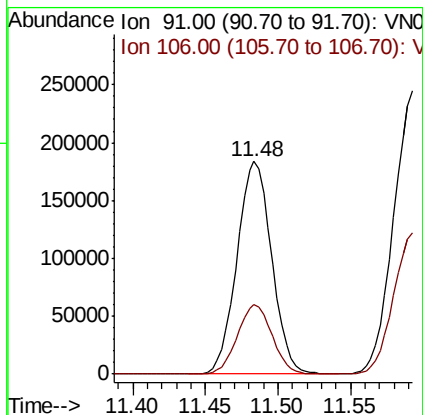
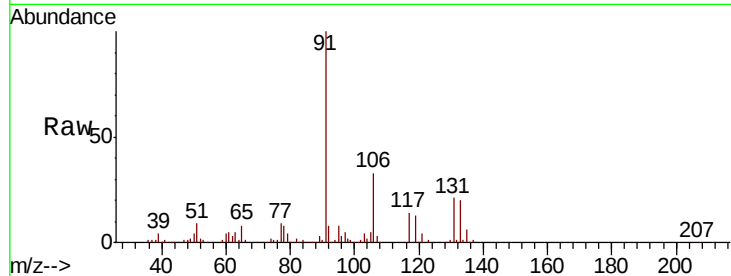




#67  
Ethyl Benzene  
Concen: 18.412 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

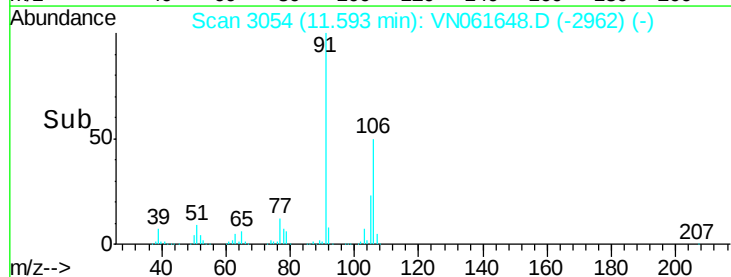
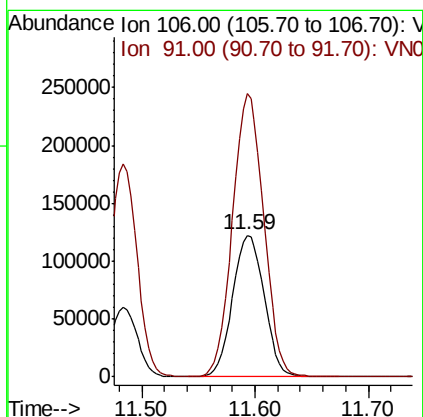
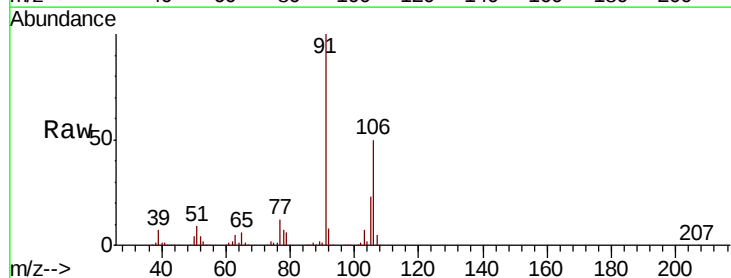
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 91 Resp: 306305  
Ion Ratio Lower Upper  
91 100  
106 32.6 25.6 38.4



#68  
m/p-Xylenes  
Concen: 36.244 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion: 106 Resp: 239072  
Ion Ratio Lower Upper  
106 100  
91 196.0 156.2 234.4

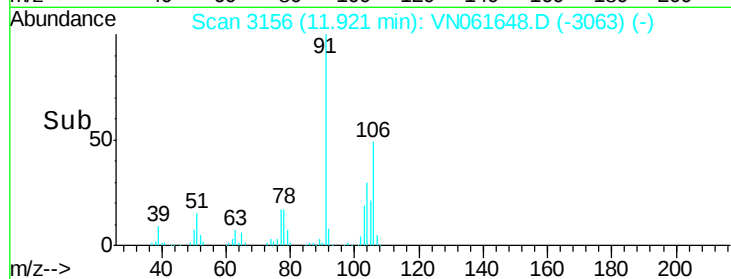
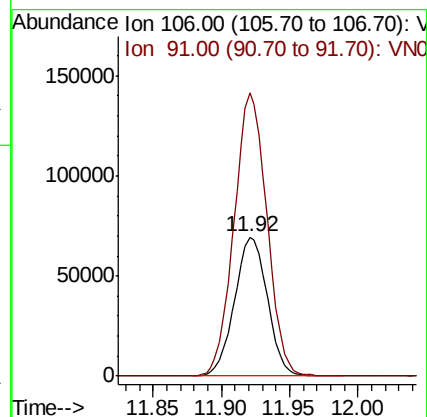
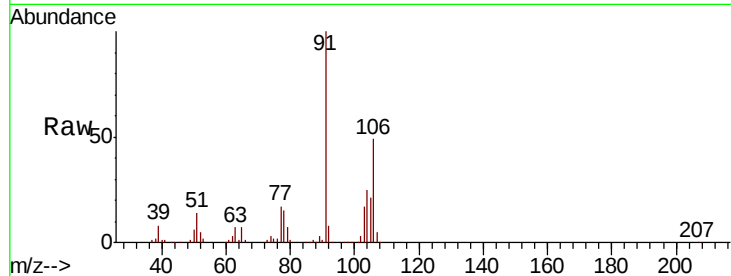




#69  
o-Xylene  
Concen: 18.579 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

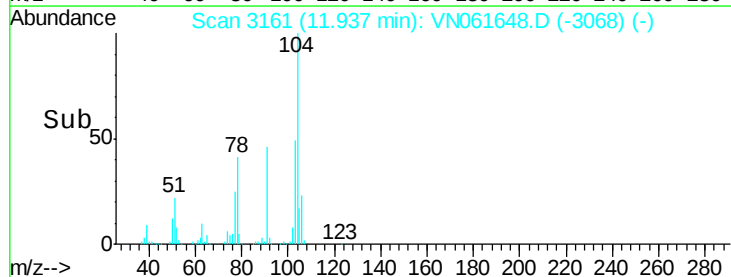
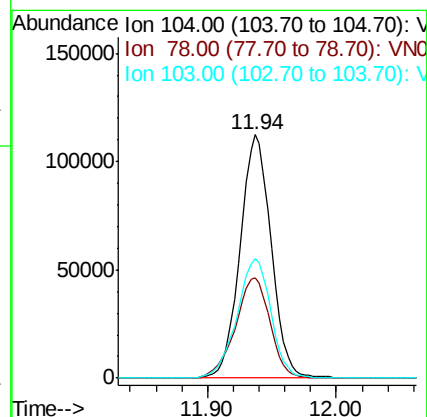
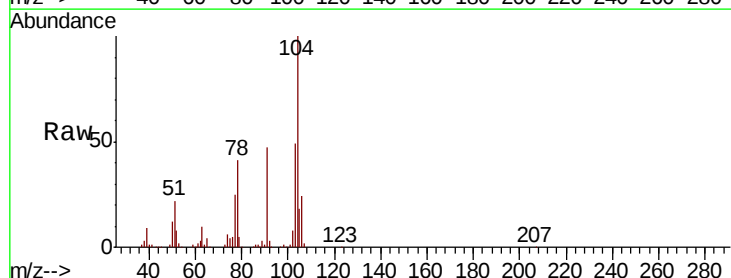
Instrument :  
MSVOA\_N  
ClientSampled :

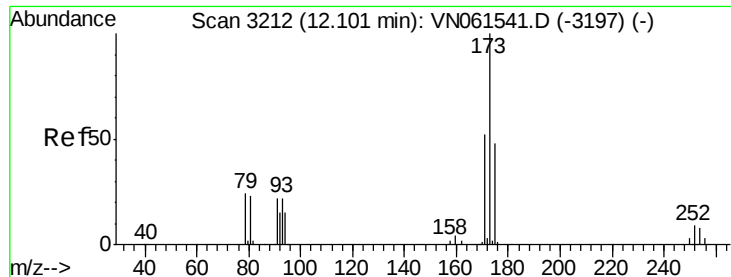
Tot Ion:106 Resp: 116397  
Ion Ratio Lower Upper  
106 100  
91 203.2 103.3 309.8



#70  
Styrene  
Concen: 18.152 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion:104 Resp: 188326  
Ion Ratio Lower Upper  
104 100  
78 46.0 37.4 56.0  
103 53.5 42.3 63.5





#71

Bromoform

Concen: 17.579 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampleId :

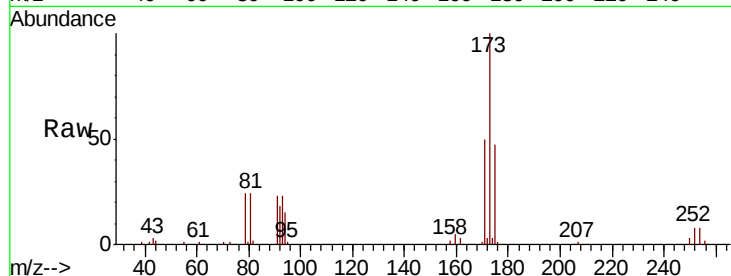
Tot Ion:173 Resp: 48545

Ion Ratio Lower Upper

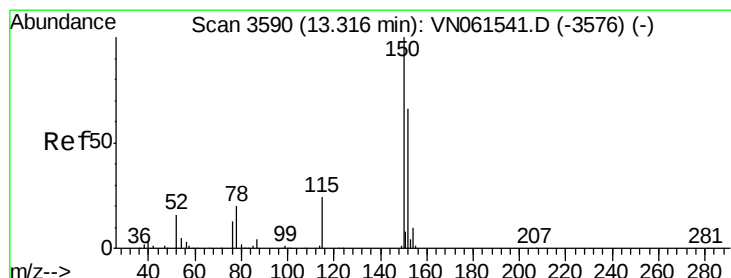
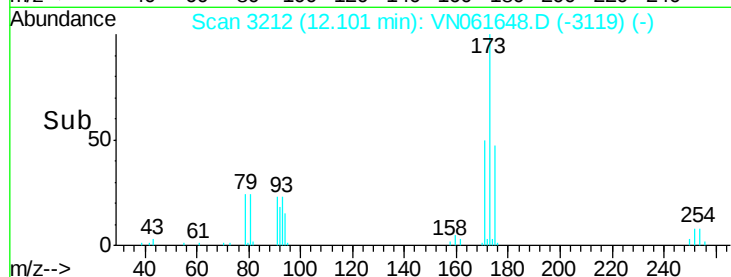
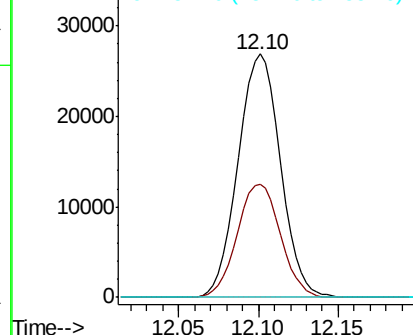
173 100

175 47.3 24.4 73.2

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# 3591

Delta R.T. 0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

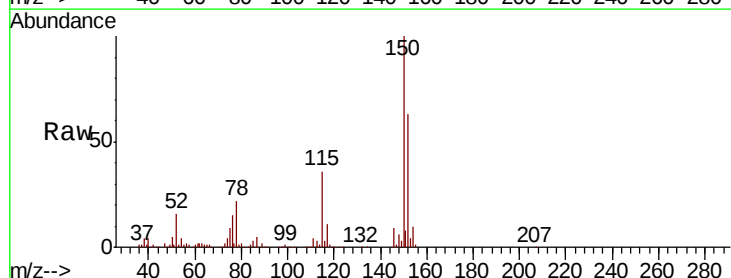
Tgt Ion:152 Resp: 224033

Ion Ratio Lower Upper

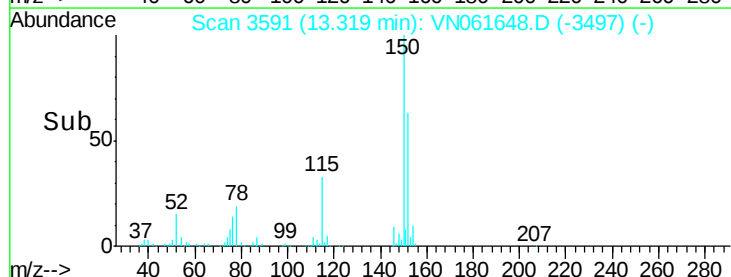
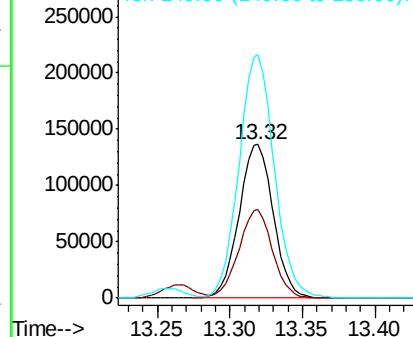
152 100

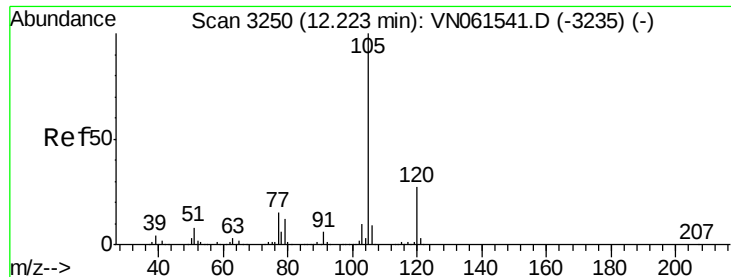
115 57.0 28.0 84.0

150 164.1 0.0 344.0



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: 18.616 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

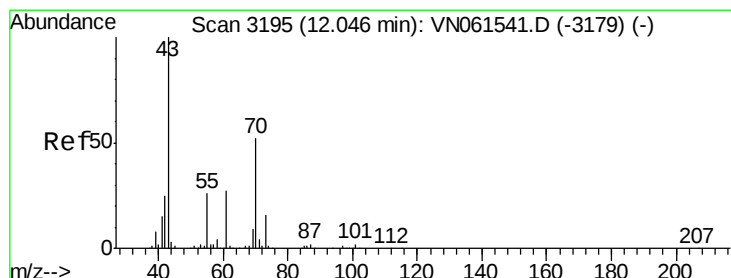
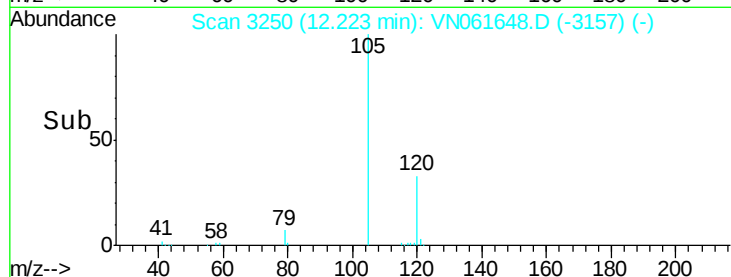
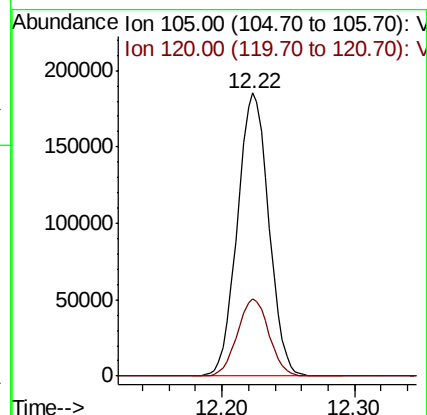
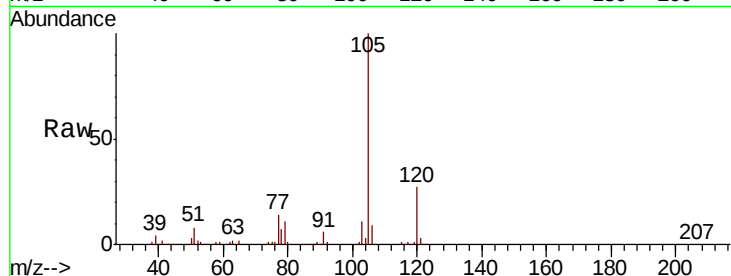
ClientSampleId :

Tot Ion:105 Resp: 304393

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



#74

N-ethyl acetate

Concen: 16.537 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Tgt Ion: 43 Resp: 85159

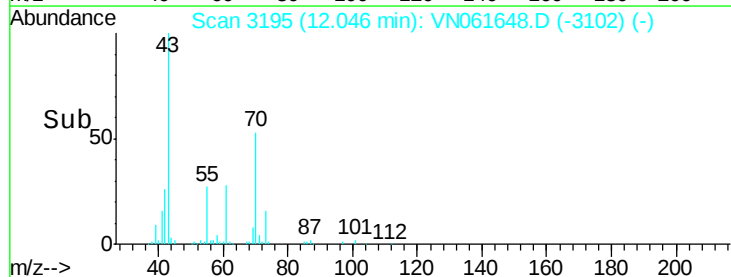
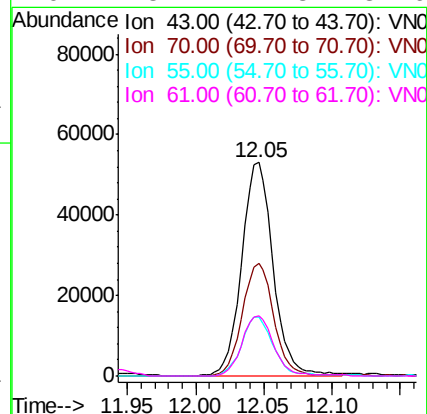
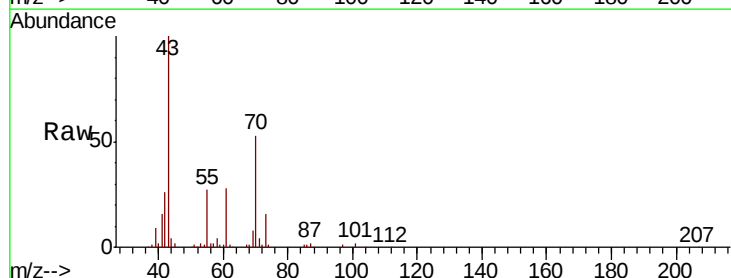
Ion Ratio Lower Upper

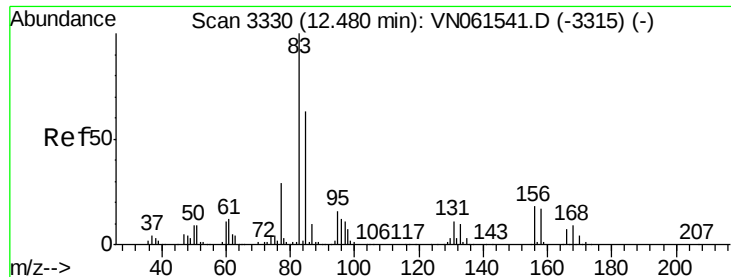
43 100

70 52.6 40.5 60.7

55 28.0 20.6 31.0

61 28.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.126 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampled :

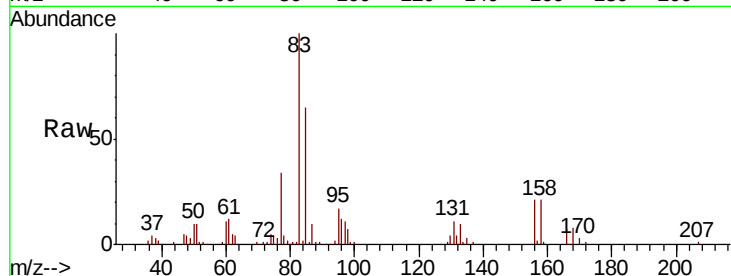
Tot Ion: 83 Resp: 83056

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

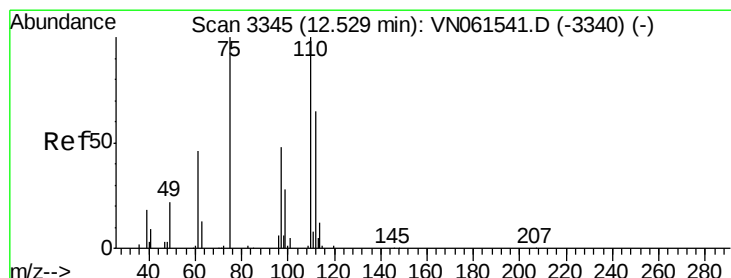
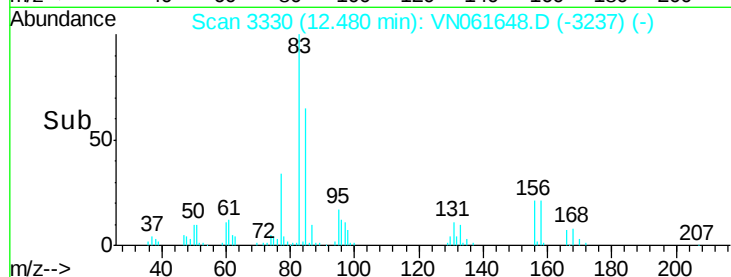
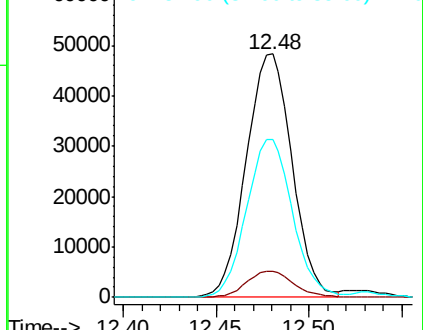
85 64.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.845 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061648.D

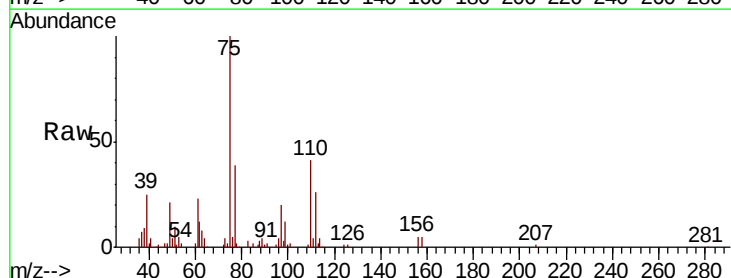
Acq: 4 Jun 2020 13:07

Tgt Ion: 75 Resp: 105288

Ion Ratio Lower Upper

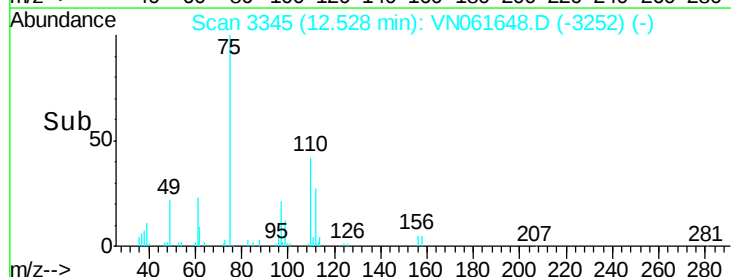
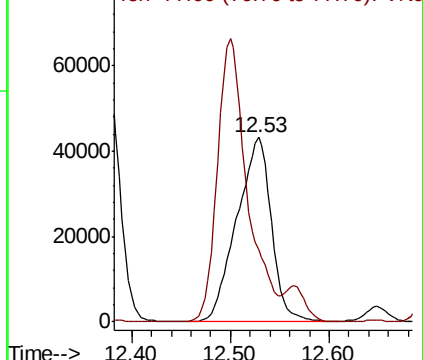
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.494 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampleId :

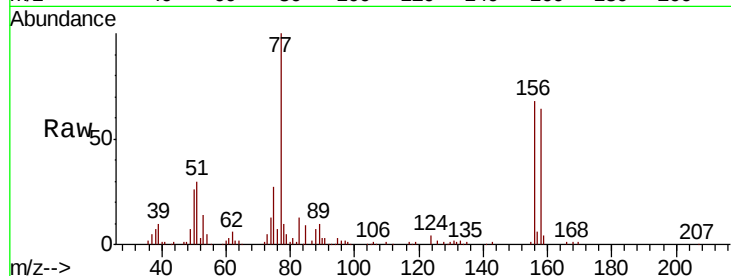
Tot Ion:156 Resp: 77190

Ion Ratio Lower Upper

156 100

77 181.9 90.9 272.7

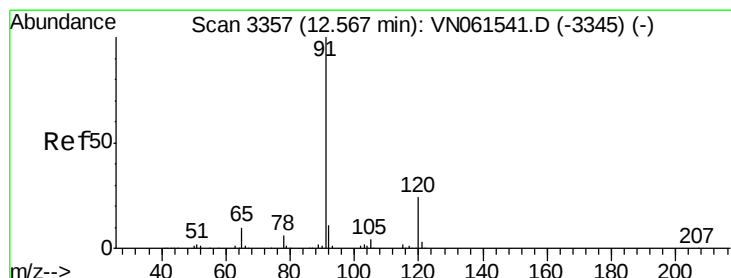
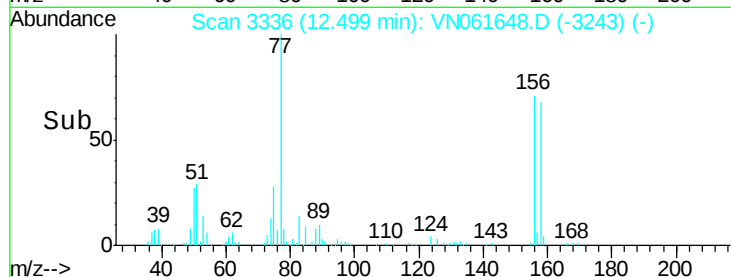
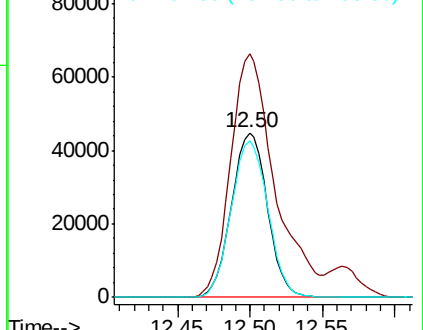
158 97.1 48.4 145.3



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: 18.468 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061648.D

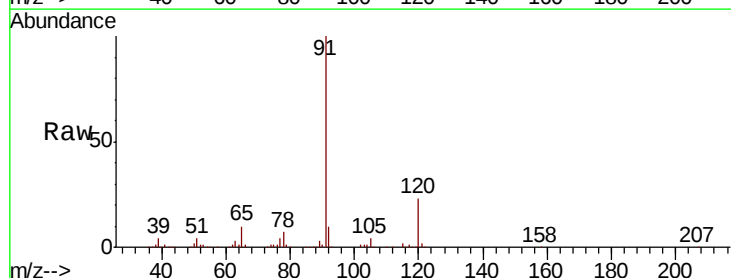
Acq: 4 Jun 2020 13:07

Tgt Ion: 91 Resp: 337123

Ion Ratio Lower Upper

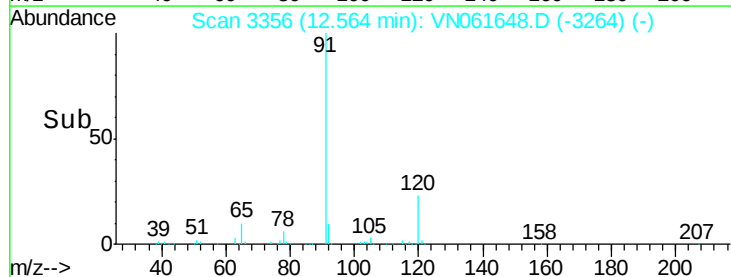
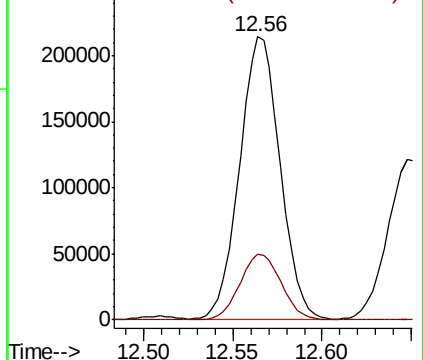
91 100

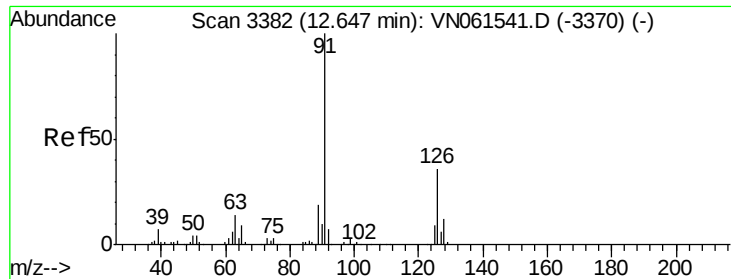
120 23.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.218 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

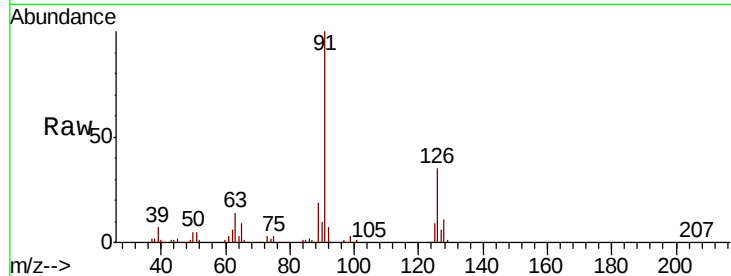
ClientSampled :

Tot Ion: 91 Resp: 198296

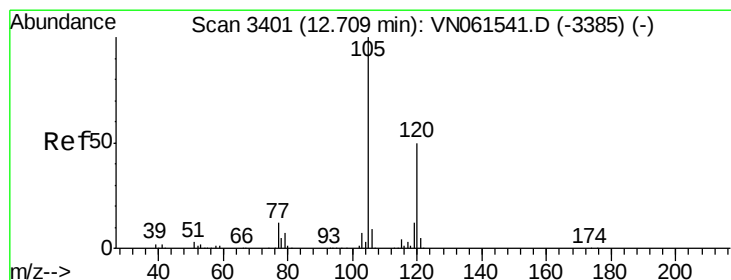
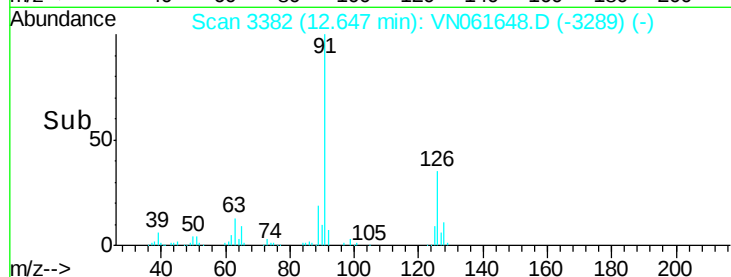
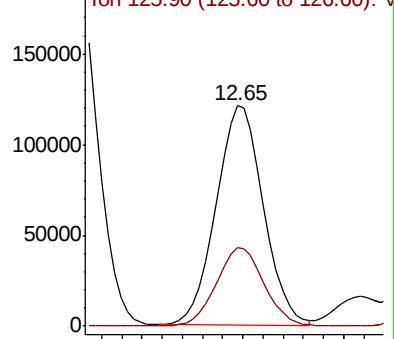
Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061648.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.327 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061648.D

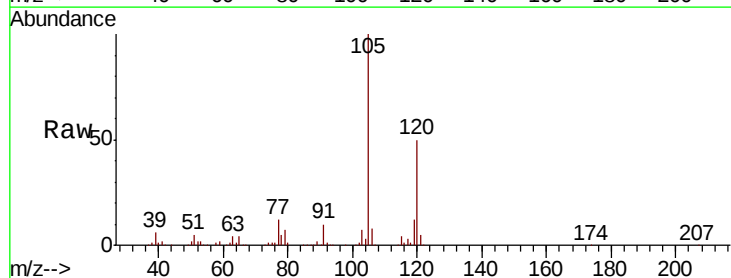
Acq: 4 Jun 2020 13:07

Tgt Ion:105 Resp: 250478

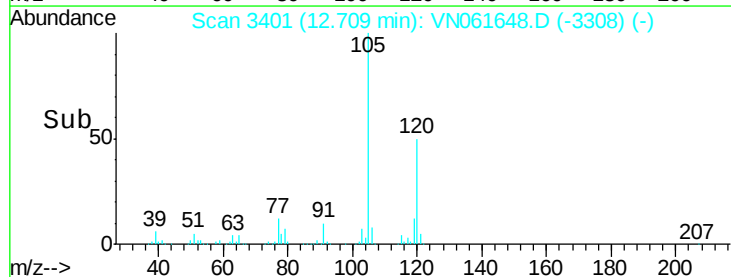
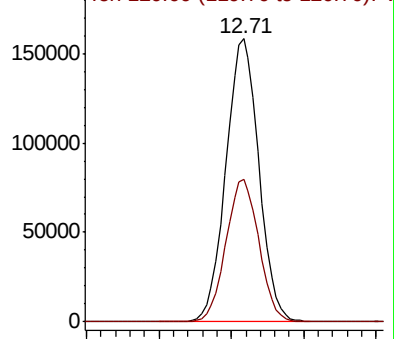
Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061648.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.049 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

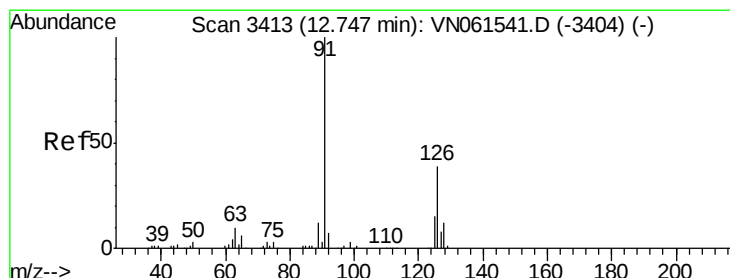
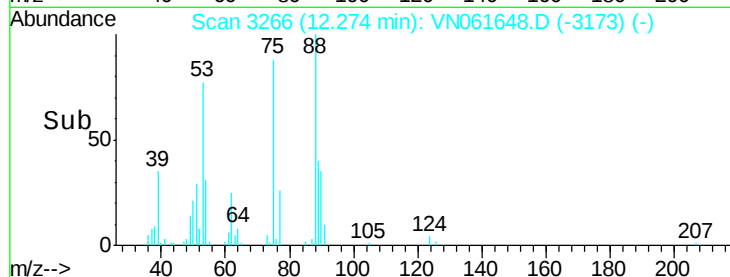
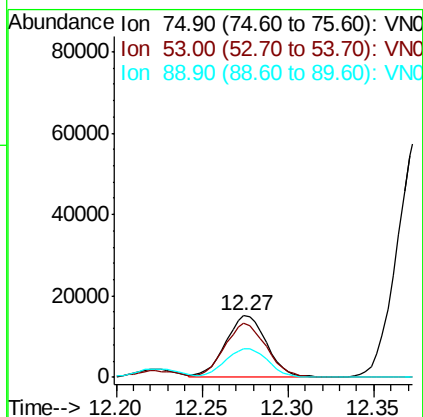
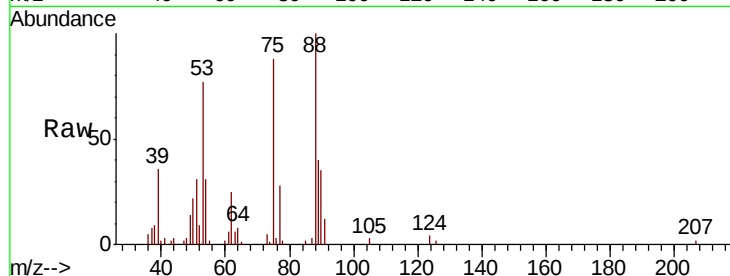
Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 75 Resp: 25567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 88.7  | 67.8  | 101.8 |
| 89  | 47.6  | 37.1  | 55.7  |



#82

4-Chlorotoluene

Concen: 17.874 ug/l

RT: 12.75 min Scan# 3413

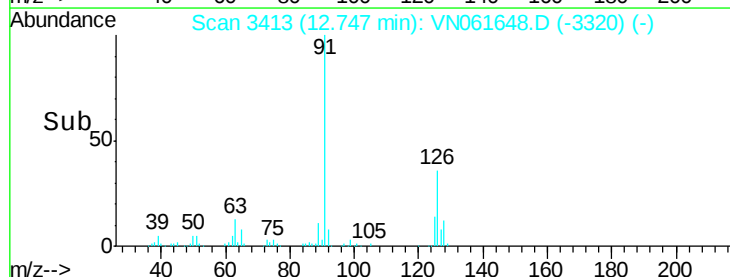
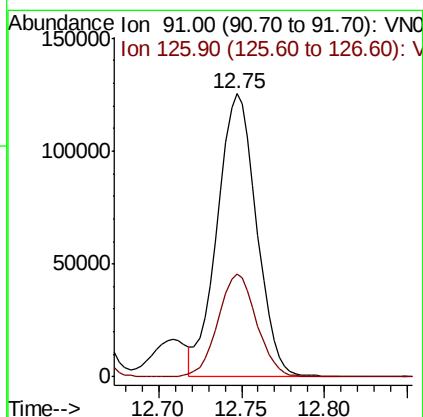
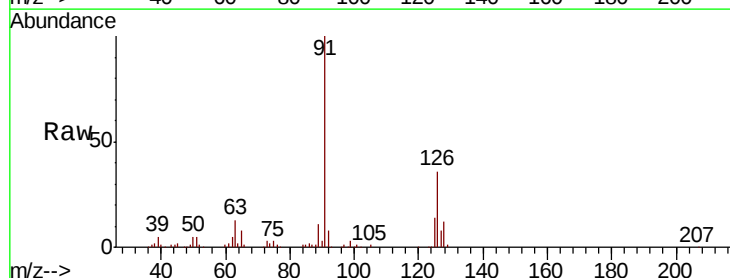
Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Tgt Ion: 91 Resp: 204676

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 35.9  | 17.5  | 52.6  |

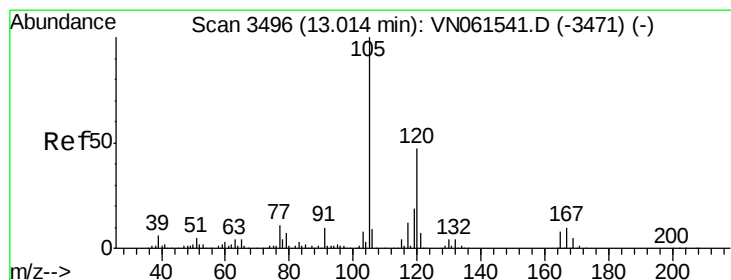
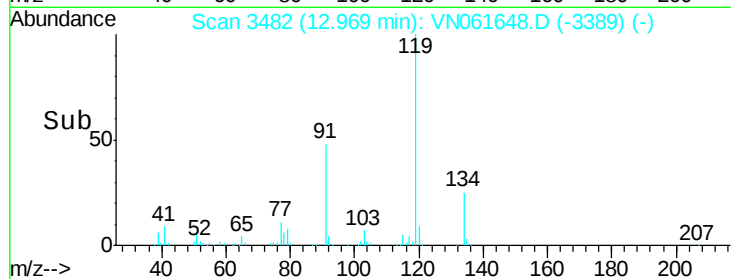
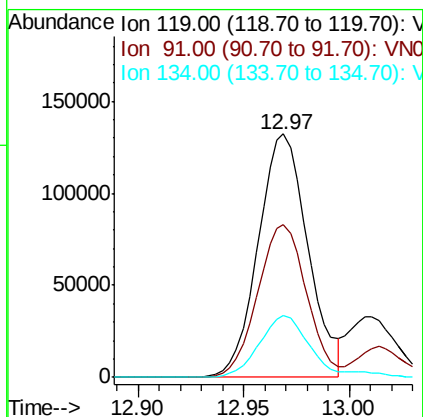
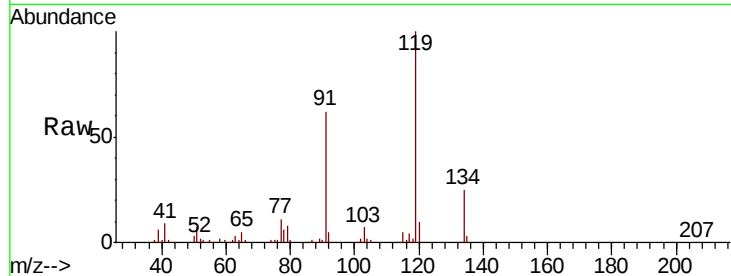




#83  
tert-Butylbenzene  
Concen: 17.969 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

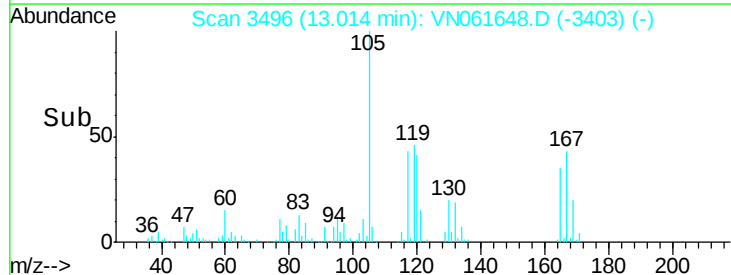
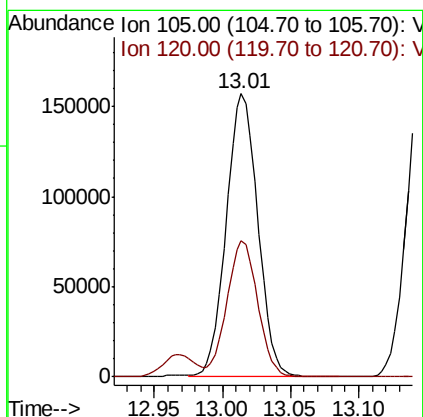
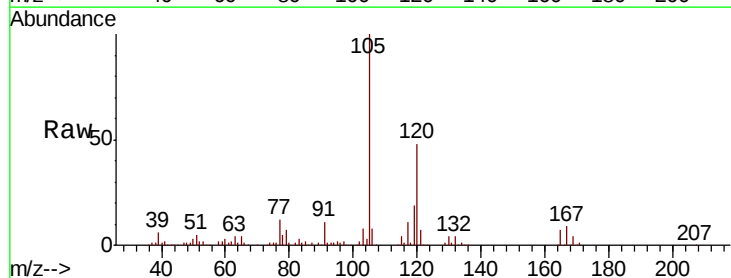
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:119 Resp: 216976  
Ion Ratio Lower Upper  
119 100  
91 61.7 31.3 93.8  
134 26.8 13.5 40.4



#84  
1,2,4-Trimethylbenzene  
Concen: 18.525 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. -0.00 min  
Lab File: VN061648.D  
Acq: 4 Jun 2020 13:07

Tgt Ion:105 Resp: 251513  
Ion Ratio Lower Upper  
105 100  
120 47.2 23.2 69.5





#85

sec-Butylbenzene

Concen: 17.677 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

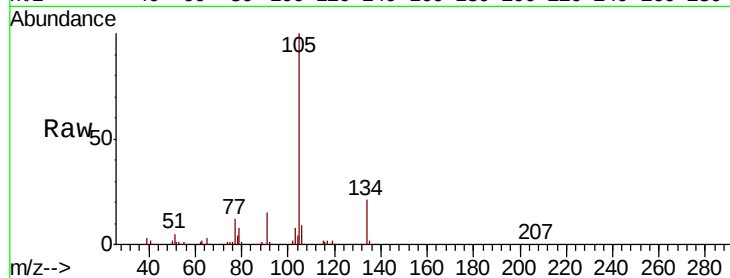
ClientSampled :

Tot Ion:105 Resp: 275050

Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

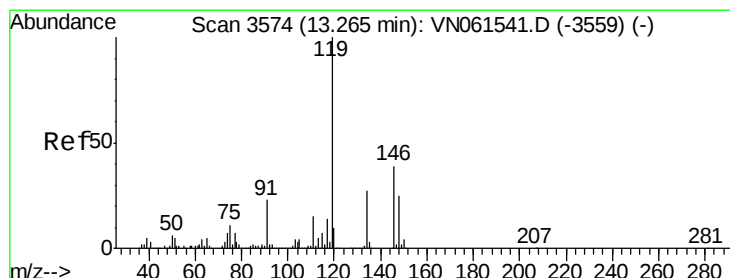
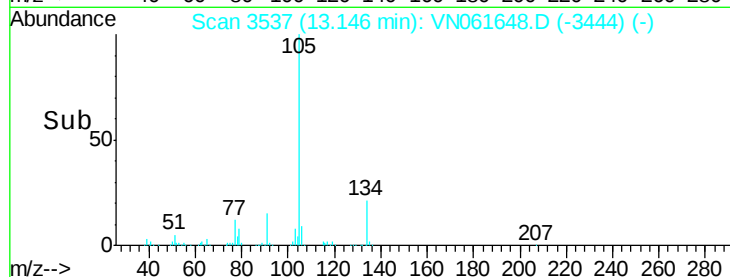
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 17.902 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

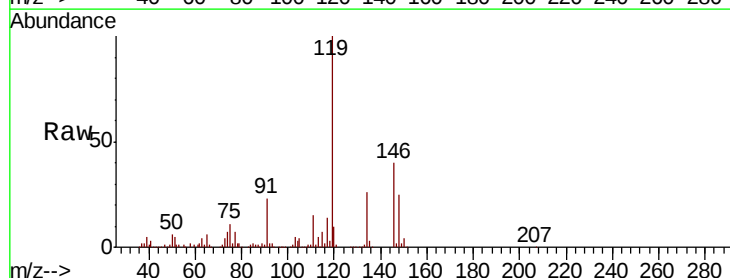
Tgt Ion:119 Resp: 256532

Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.5

91 22.6 11.4 34.1



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

200000

150000

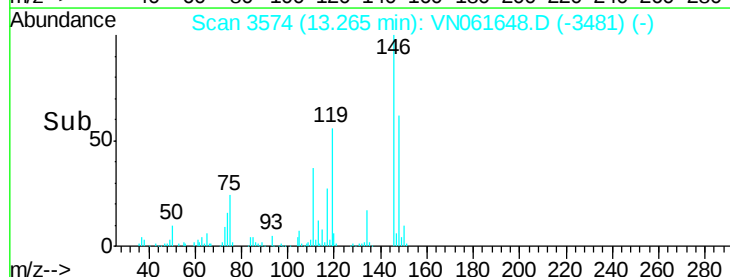
100000

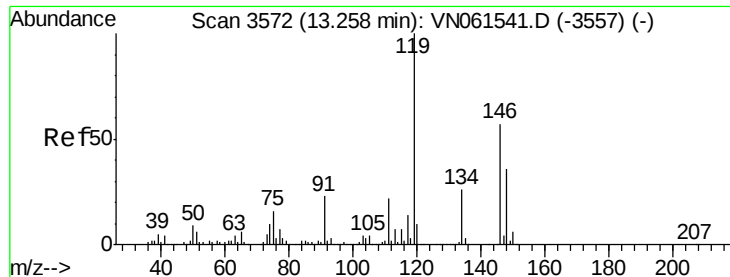
50000

0

13.20 13.30

Time-->

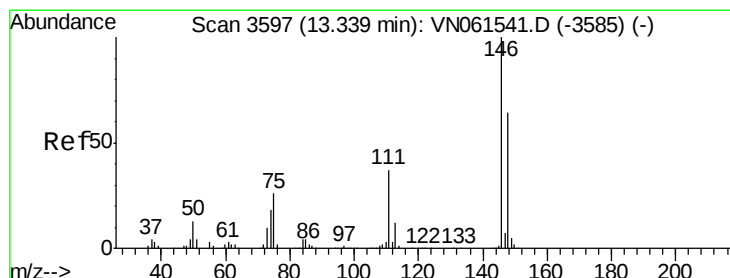
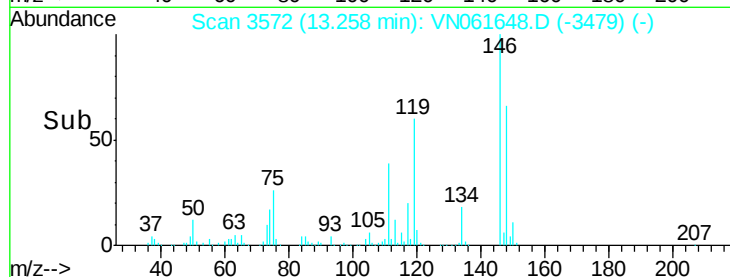
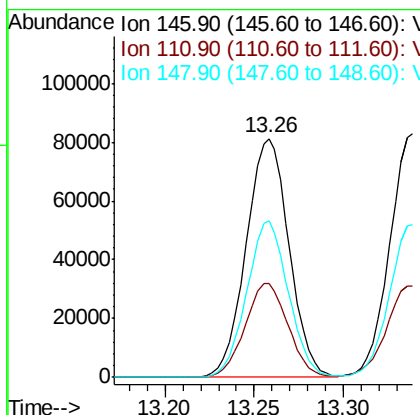
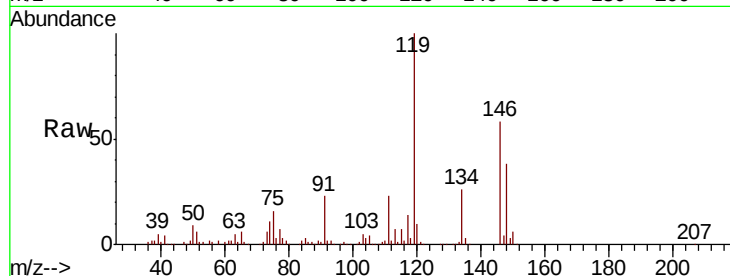




#87  
 1,3-Dichlorobenzene  
 Concen: 18.489 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

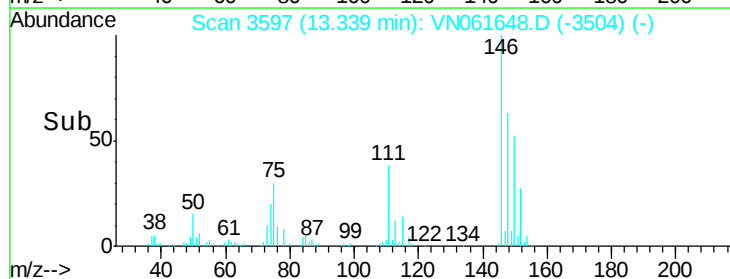
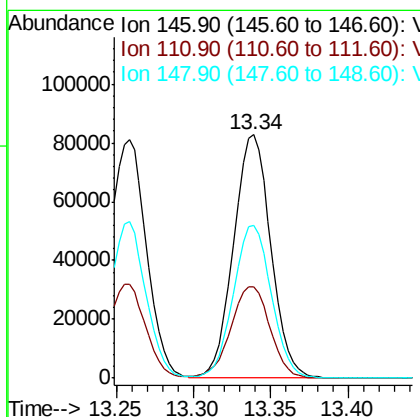
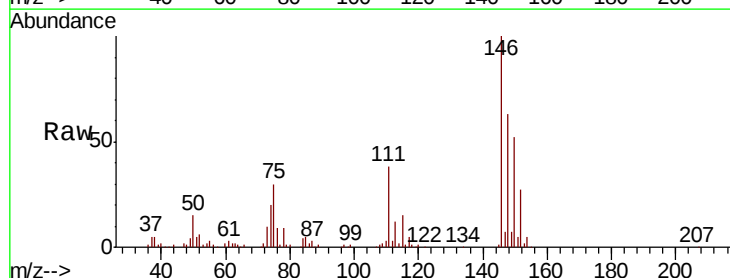
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:146 Resp: 136654  
 Ion Ratio Lower Upper  
 146 100  
 111 39.3 19.2 57.6  
 148 63.6 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 18.402 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

Tgt Ion:146 Resp: 138559  
 Ion Ratio Lower Upper  
 146 100  
 111 39.7 18.9 56.9  
 148 63.5 31.8 95.3





#89

n-Butylbenzene

Concen: 17.147 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampled :

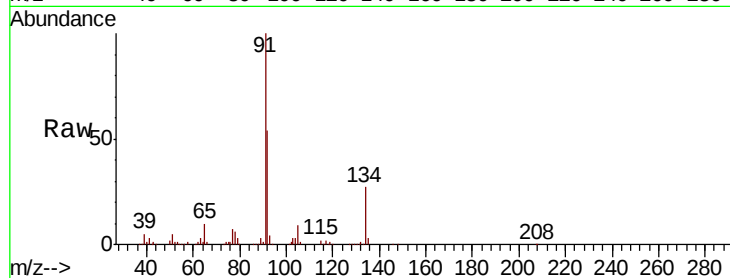
Tot Ion: 91 Resp: 205807

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

134 27.5 14.0 42.0

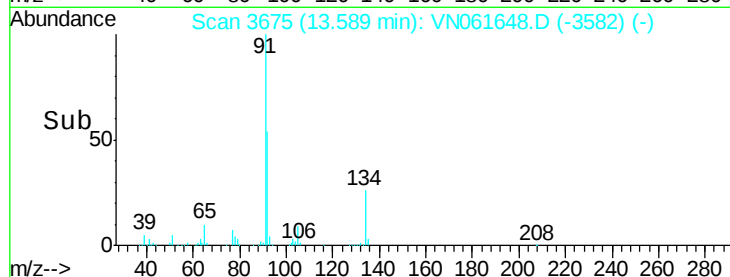


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time--> 13.50 13.55 13.60 13.65

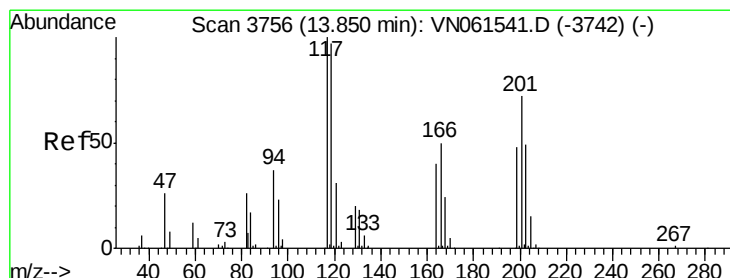


Abundance Ion 91.00 (90.70 to 91.70): VN061648.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061648.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061648.D (-3582) (-)

Time--> 13.50 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 21.181 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061648.D

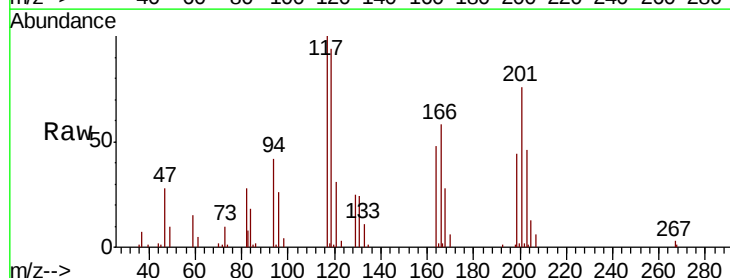
Acq: 4 Jun 2020 13:07

Tgt Ion: 117 Resp: 33566

Ion Ratio Lower Upper

117 100

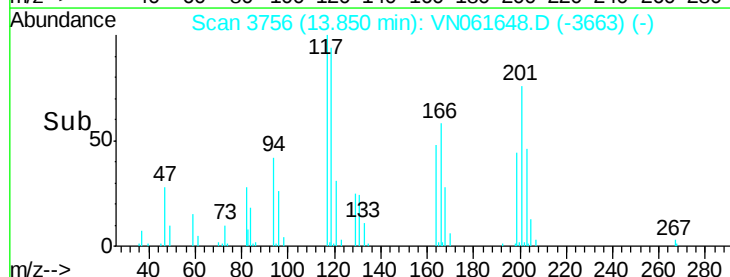
201 75.1 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time--> 13.80 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN061648.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061648.D (-3663) (-)

Time--> 13.80 13.85 13.90



#91

1,2-Dichlorobenzene

Concen: 19.200 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampled :

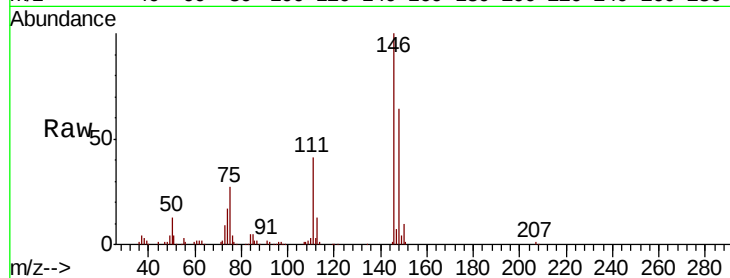
Tot Ion:146 Resp: 135617

Ion Ratio Lower Upper

146 100

111 39.1 20.1 60.2

148 62.9 31.9 95.5



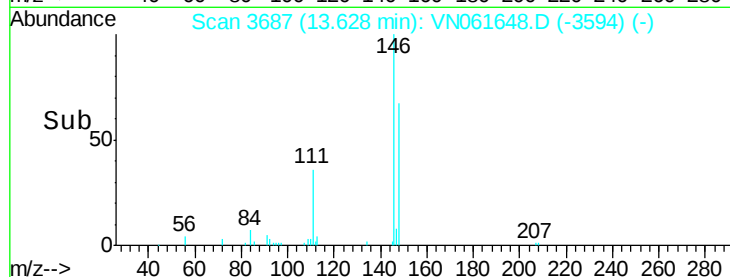
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

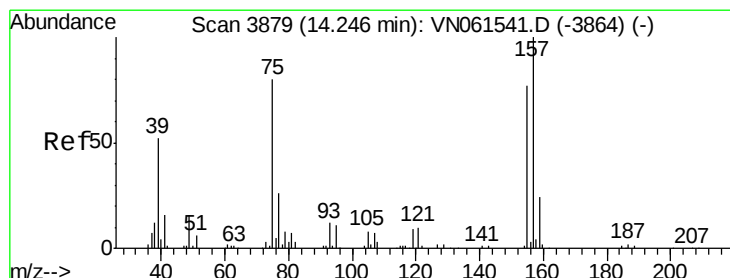
Ion 147.90 (147.60 to 148.60): V

13.63

Time-->



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.390 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

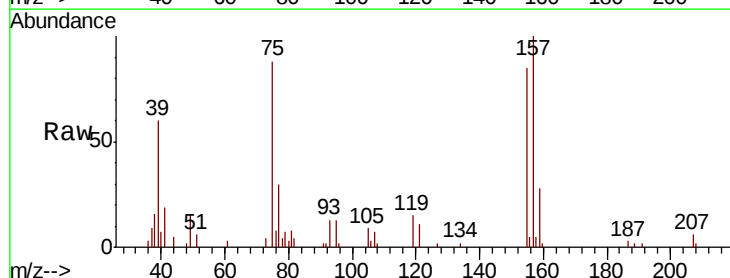
Tgt Ion: 75 Resp: 15317

Ion Ratio Lower Upper

75 100

155 90.8 47.1 141.4

157 113.8 60.3 180.8



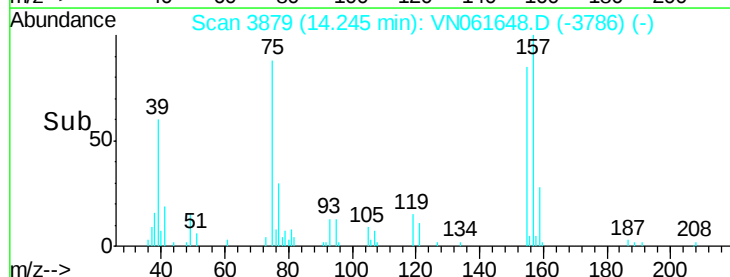
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.25

Time-->



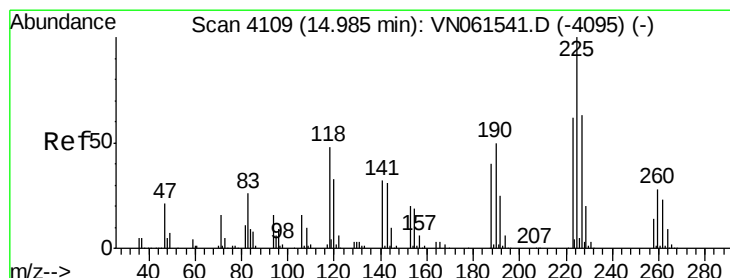
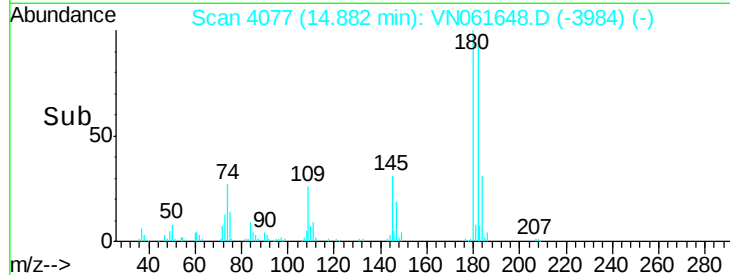
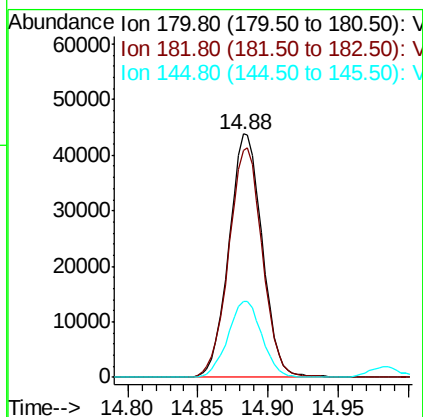
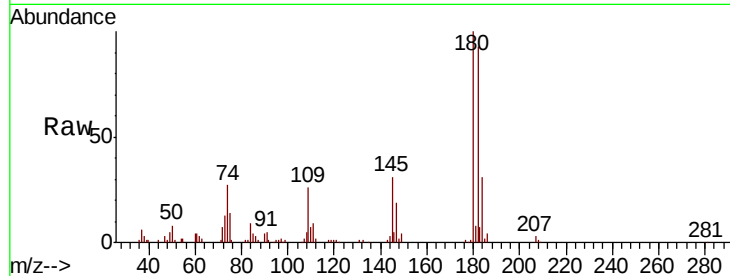
Time-->



#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.487 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

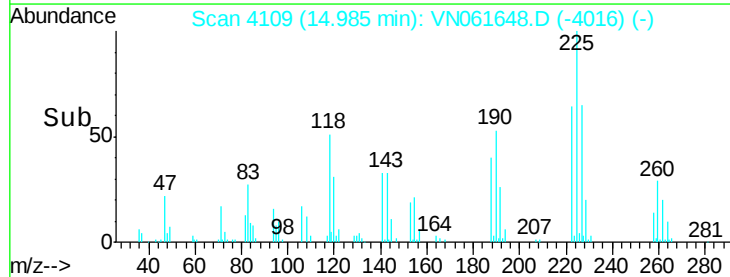
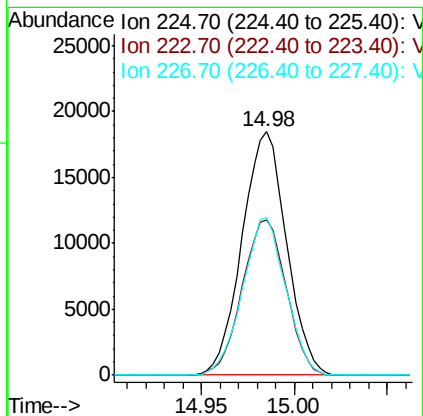
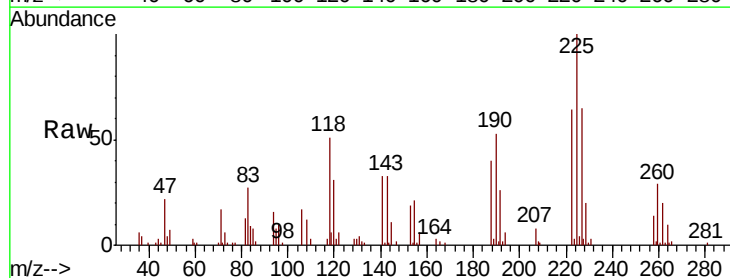
Instrument :  
 MSVOA\_N  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.8  | 143.3 |
| 145     | 31.9  | 15.5  | 46.5  |



#94  
 Hexachlorobutadiene  
 Concen: 17.415 ug/l  
 RT: 14.98 min Scan# 4109  
 Delta R.T. -0.00 min  
 Lab File: VN061648.D  
 Acq: 4 Jun 2020 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.1  | 31.9  | 95.5  |
| 227     | 62.8  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 16.947 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

Instrument :

MSVOA\_N

ClientSampleId :

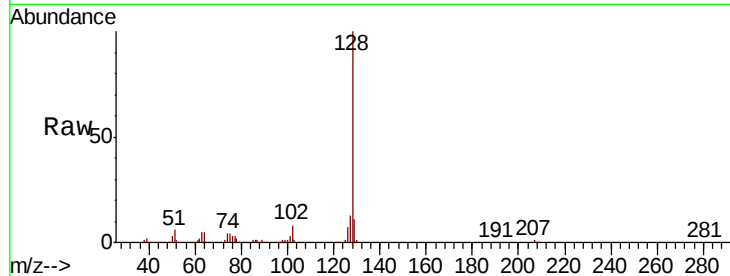
Tot Ion:128 Resp: 213076

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

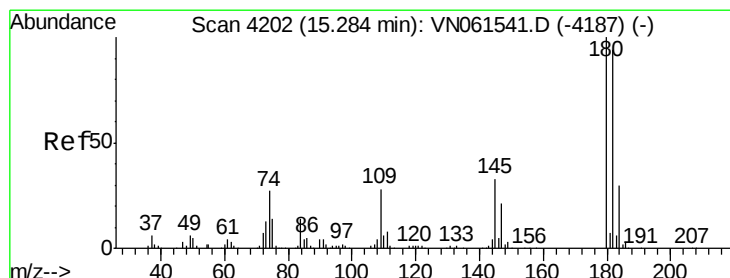
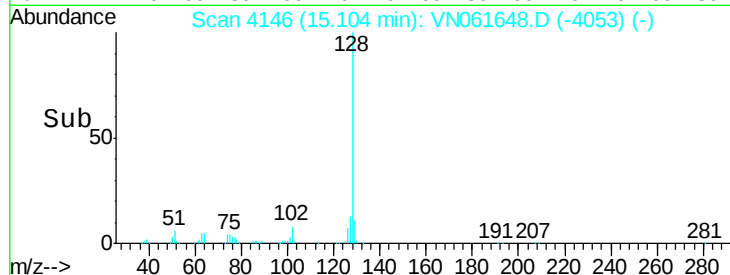
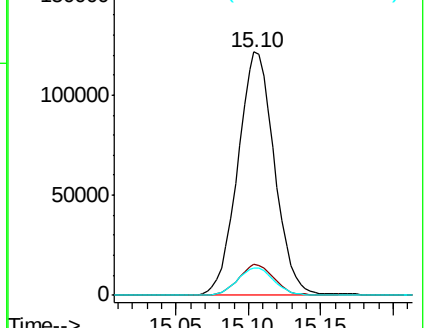
129 11.3 8.5 12.7



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: 17.820 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061648.D

Acq: 4 Jun 2020 13:07

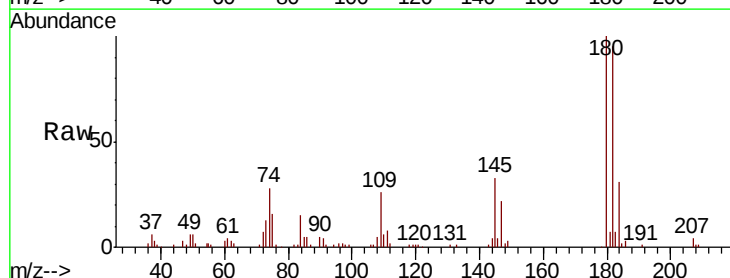
Tgt Ion:180 Resp: 72375

Ion Ratio Lower Upper

180 100

182 95.8 47.1 141.3

145 33.2 16.3 48.9



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

