

Data File : VN052458.D  
Acq On : 26 Nov 2018 14:13  
Operator : MD\SY  
Sample : VSTDIC100  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Quant Time: Nov 27 00:36:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Nov 27 00:15:57 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 172573   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 1012957  | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 909002   | 30.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 355050   | 30.19    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 100.63% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 432902   | 31.13    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 103.77% |
| 63) Toluene-d8            | 10.09  | 98    | 1253465  | 29.74    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.13%  |

#### Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 993535  | 101.086 | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 1329201 | 101.973 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 1350267 | 102.635 | ug/l   | 98     |
| 5) Bromomethane               | 2.57 | 94  | 763698  | 101.808 | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 796412  | 101.795 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 1633037 | 100.578 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 611644  | 102.021 | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 1019988 | 99.098  | ug/l   | 99     |
| 10) 1,1-Dichloroethene        | 3.74 | 96  | 994534  | 102.768 | ug/l   | 99     |
| 11) Methyl Iodide             | 3.96 | 142 | 1479980 | 110.146 | ug/l   | 99     |
| 12) Methyl Acetate            | 4.32 | 43  | 833518  | 101.369 | ug/l   | 99     |
| 13) Acrolein                  | 3.61 | 56  | 502799  | 520.559 | ug/l   | 100    |
| 14) Acrylonitrile             | 4.99 | 53  | 1797330 | 513.006 | ug/l   | 98     |
| 15) Acetone                   | 3.81 | 58  | 431811  | 475.912 | ug/l   | 96     |
| 16) Carbon Disulfide          | 4.06 | 76  | 3139619 | 102.471 | ug/l   | 100    |
| 17) Allyl chloride            | 4.33 | 41  | 1809939 | 107.241 | ug/l   | 99     |
| 18) Methylene Chloride        | 4.55 | 84  | 1122729 | 100.198 | ug/l   | 99     |
| 19) trans-1,2-Dichloroethene  | 5.05 | 96  | 1065420 | 102.300 | ug/l   | 98     |
| 20) Diisopropyl ether         | 5.95 | 45  | 3660048 | 103.195 | ug/l   | 97     |
| 21) 1,1-Dichloroethane        | 5.85 | 63  | 2075095 | 102.653 | ug/l   | 100    |
| 22) cis-1,2-Dichloroethene    | 6.83 | 96  | 1223307 | 102.490 | ug/l   | 99     |
| 23) tert-Butyl Alcohol        | 4.78 | 59  | 256609  | 492.359 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.05 | 73  | 2633439 | 103.728 | ug/l   | 98     |
| 25) Chloroform                | 7.37 | 83  | 1969686 | 101.000 | ug/l   | 99     |
| 26) Cyclohexane               | 7.65 | 56  | 1961192 | 102.865 | ug/l # | 99     |
| 29) 1,1-Dichloropropene       | 7.79 | 75  | 1590898 | 102.845 | ug/l   | 100    |
| 30) 2-Butanone                | 6.83 | 43  | 2060713 | 497.850 | ug/l   | 100    |
| 31) 2,2-Dichloropropane       | 6.83 | 77  | 1473193 | 103.447 | ug/l   | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 1641953 | 102.011 | ug/l   | 98     |
| 33) Carbon Tetrachloride      | 7.78 | 117 | 1449536 | 102.924 | ug/l   | 99     |
| 34) Benzene                   | 8.04 | 78  | 4715392 | 101.389 | ug/l # | 92     |
| 35) Methacrylonitrile         | 7.17 | 41  | 542151  | 75.889  | ug/l   | 98     |
| 36) 1,2-Dichloroethane        | 8.12 | 62  | 1409490 | 100.012 | ug/l   | 100    |
| 37) Trichloroethene           | 8.84 | 130 | 1187763 | 100.715 | ug/l   | 99     |
| 38) Methylcyclohexane         | 9.08 | 83  | 1951439 | 101.908 | ug/l   | 98     |
| 39) 1,2-Dichloropropane       | 9.12 | 63  | 1261245 | 101.169 | ug/l   | 97     |
| 40) Dibromomethane            | 9.21 | 93  | 687552  | 102.058 | ug/l   | 99     |

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Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Quant Time: Nov 27 00:36:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Nov 27 00:15:57 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 1520238  | 102.136  | ug/l   | 99       |
| 42) Vinyl Acetate              | 5.90  | 43   | 11777849 | 525.895  | ug/l   | 99       |
| 43) Ethyl Acetate              | 6.93  | 43   | 902910   | 49.036   | ug/l # | 67       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 1618568  | 104.854  | ug/l # | 79       |
| 45) 1,4-Dioxane                | 9.20  | 88   | 166156   | 1967.585 | ug/l   | 95       |
| 46) Methyl methacrylate        | 9.20  | 41   | 852160   | 106.323  | ug/l   | 99       |
| 47) n-amyl Acetate             | 12.07 | 43   | 1439207  | 112.449  | ug/l   | 96       |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 1560121  | 108.100  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene    | 9.84  | 75   | 1856137  | 105.562  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 972506   | 101.837  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 1292156  | 107.735  | ug/l   | 98       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 1736786  | 102.176  | ug/l   | 99       |
| 53) Dibromochloromethane       | 10.90 | 129  | 1098805  | 104.512  | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 11.01 | 107  | 975295   | 104.516  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether  | 9.70  | 63   | 3751795  | 534.397  | ug/l   | 100      |
| 56) Bromoform                  | 12.13 | 173  | 731217   | 106.403  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 9.99  | 43   | 4494646  | 510.029  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 3078987  | 511.463  | ug/l   | 99       |
| 61) Tetrachloroethene          | 10.63 | 164  | 1106312  | 98.818   | ug/l   | 99       |
| 62) Toluene                    | 10.16 | 91   | 5040062  | 100.579  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.44 | 112  | 3122729  | 102.097  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 1092460  | 102.901  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 5596140  | 103.617  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 4159865  | 206.744  | ug/l   | 100      |
| 68) o-Xylene                   | 11.95 | 106  | 2018676  | 103.367  | ug/l   | 99       |
| 69) Styrene                    | 11.97 | 104  | 3346597  | 106.168  | ug/l   | 100      |
| 70) Isopropylbenzene           | 12.25 | 105  | 5409942  | 104.115  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 1156142  | 102.285  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 1494651  | 158.350  | ug/l   | 49       |
| 73) Bromobenzene               | 12.53 | 156  | 1325194  | 105.449  | ug/l   | 98       |
| 74) n-propylbenzene            | 12.59 | 91   | 6350877  | 104.900  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.68 | 91   | 3650058  | 103.868  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 4342623  | 103.471  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 339442   | 110.743  | ug/l   | 95       |
| 78) 4-Chlorotoluene            | 12.77 | 91   | 3706881  | 105.629  | ug/l   | 100      |
| 79) tert-butylbenzene          | 12.99 | 119  | 3815274  | 104.383  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 4416058  | 105.155  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 13.17 | 105  | 5312927  | 104.359  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 4592538  | 105.939  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 2356702  | 106.625  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 13.36 | 146  | 2303577  | 107.872  | ug/l   | 99       |
| 85) n-Butylbenzene             | 13.62 | 91   | 4055236  | 108.902  | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 782363   | 106.514  | ug/l   | 100      |
| 87) 1,2-Dichlorobenzene        | 13.65 | 146  | 2208415  | 104.997  | ug/l   | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 171400   | 108.255  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 1207062  | 116.483  | ug/l   | 100      |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 685624   | 100.860  | ug/l   | 100      |
| 91) Naphthalene                | 15.14 | 128  | 2440448  | 116.621  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 1076288  | 112.704  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112618\  
Quantitation Report (Not Reviewed)

Data File : VN052458.D  
Acq On : 26 Nov 2018 14:13  
Operator : MD\SY  
Sample : VSTDICC100  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Quant Time: Nov 27 00:36:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Nov 27 00:15:57 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

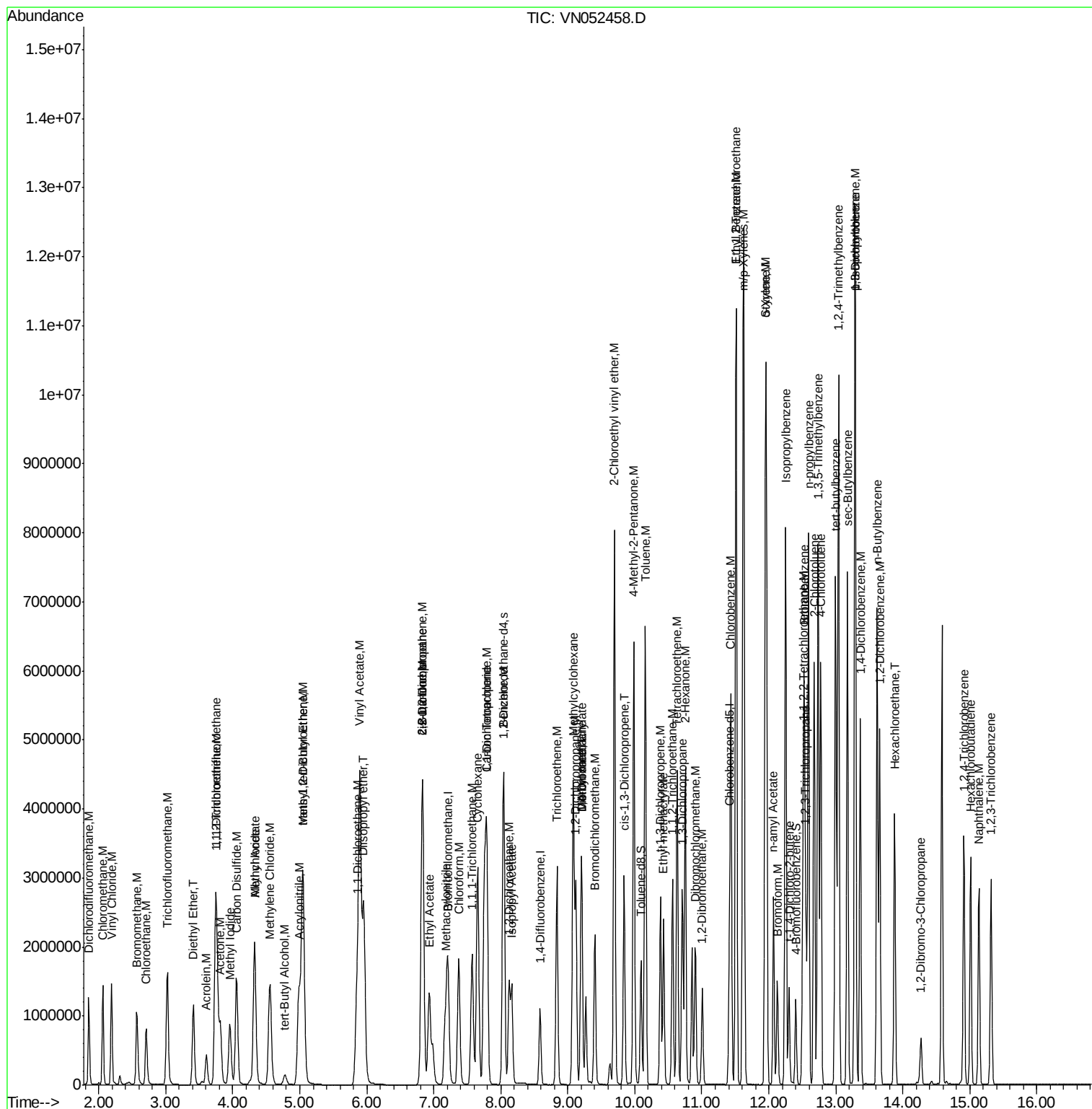
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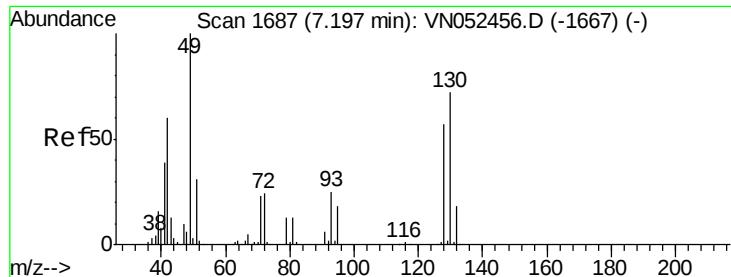
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN052458.D  
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Sample : VSTDIC100  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Quant Time: Nov 27 00:36:05 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N112618W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Nov 27 00:15:57 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

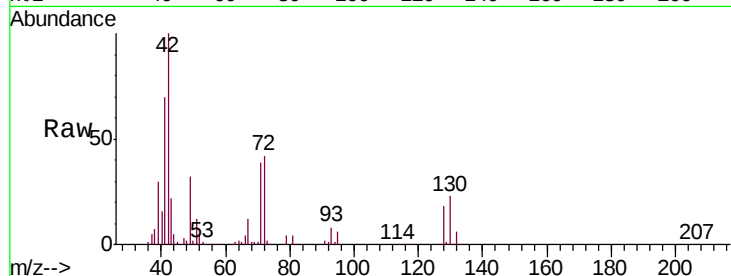
Tgt Ion:128 Resp: 172573

Ion Ratio Lower Upper

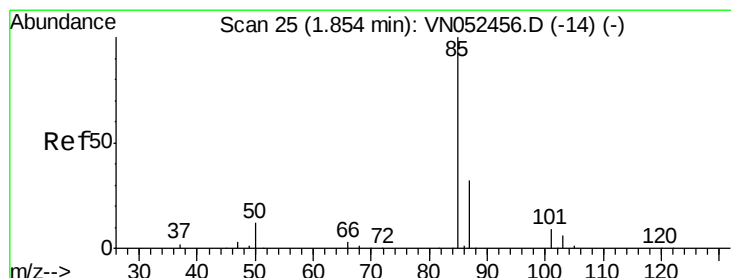
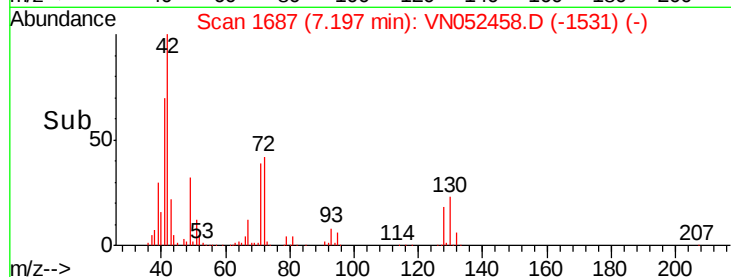
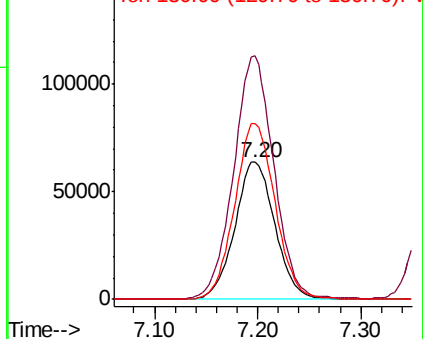
128 100

49 178.1 0.0 431.8

130 129.2 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VN  
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 101.086 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052458.D

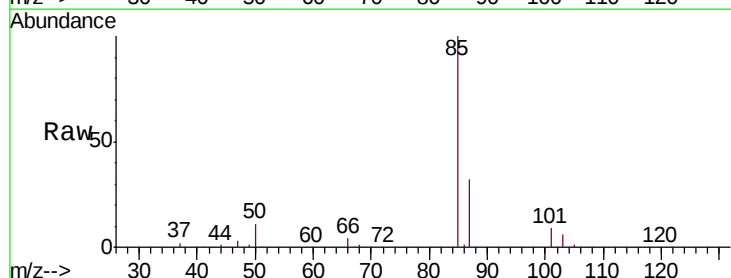
Acq: 26 Nov 2018 14:13

Tgt Ion: 85 Resp: 993535

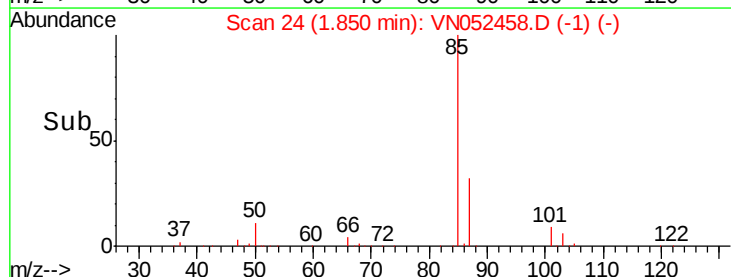
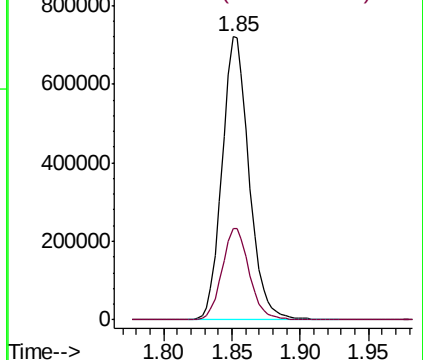
Ion Ratio Lower Upper

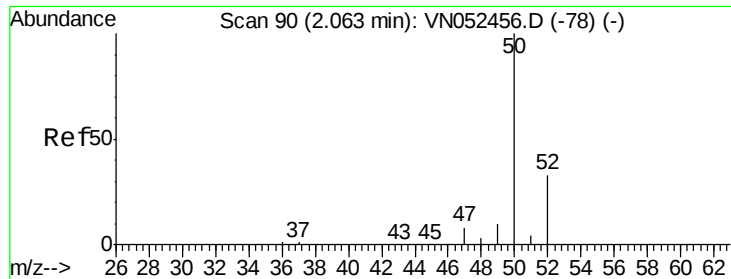
85 100

87 32.1 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN  
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 101.973 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

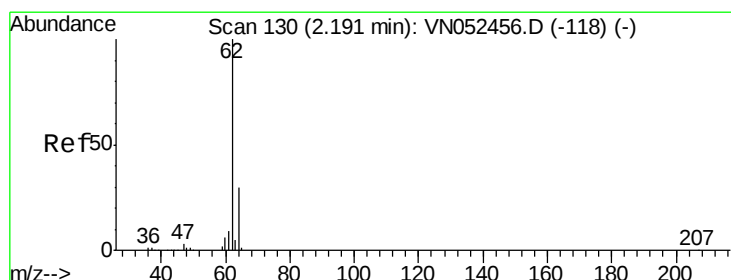
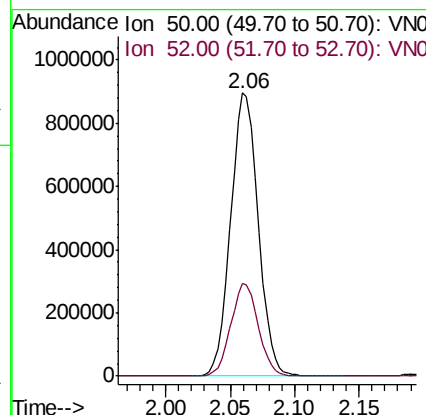
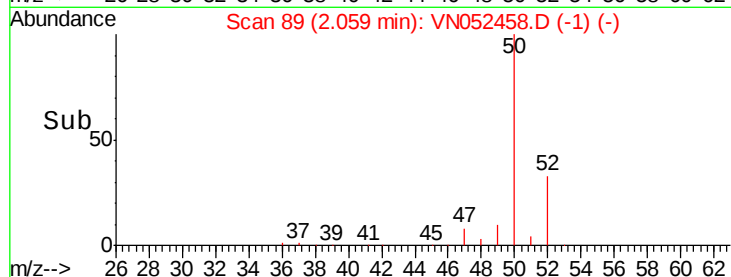
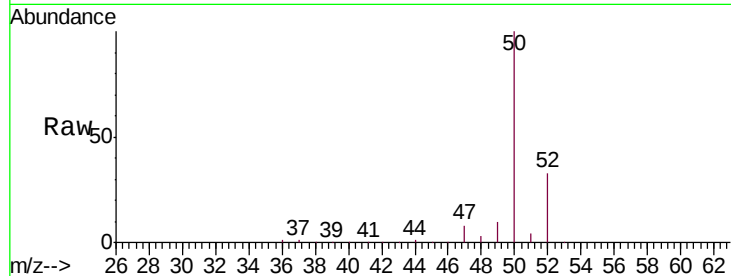
VSTDIC100

Tgt Ion: 50 Resp: 1329201

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 102.635 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052458.D

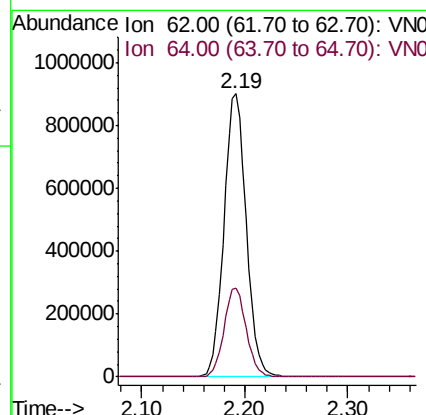
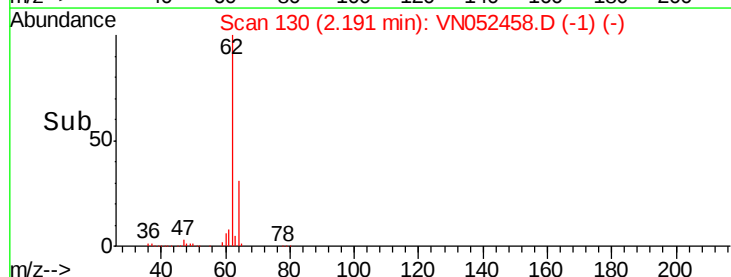
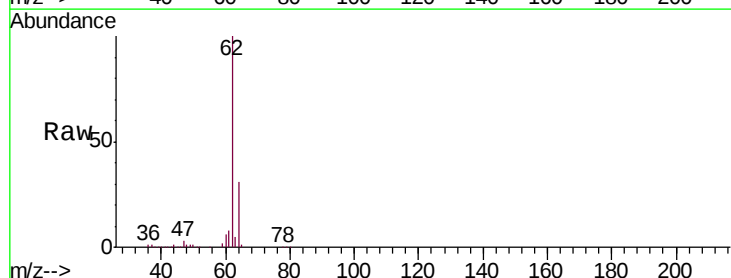
Acq: 26 Nov 2018 14:13

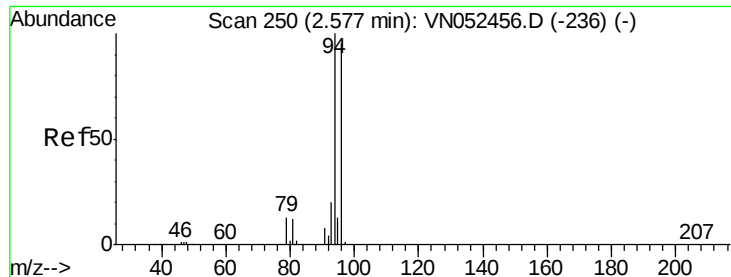
Tgt Ion: 62 Resp: 1350267

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 101.808 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

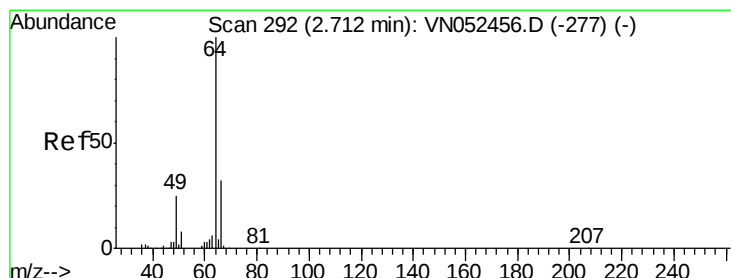
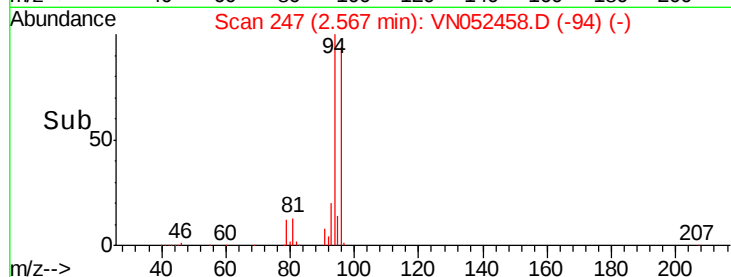
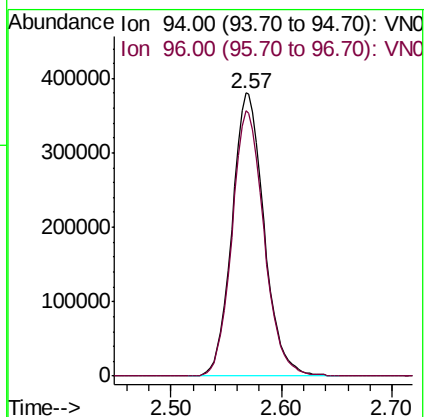
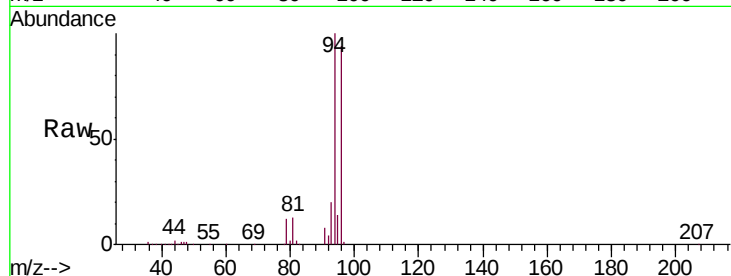
VSTDICC100

Tgt Ion: 94 Resp: 763698

Ion Ratio Lower Upper

94 100

96 93.7 76.2 114.2



#6

Chloroethane

Concen: 101.795 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052458.D

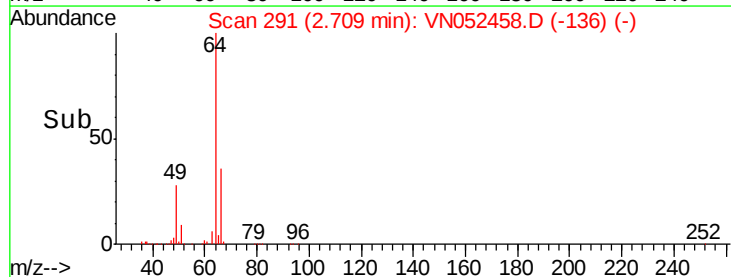
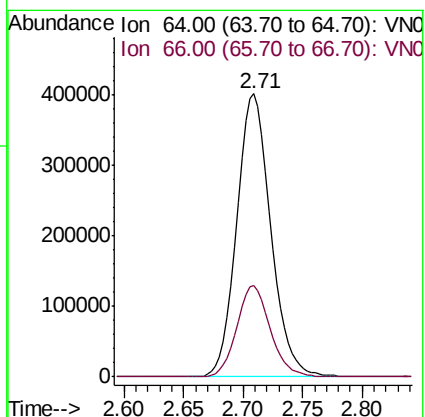
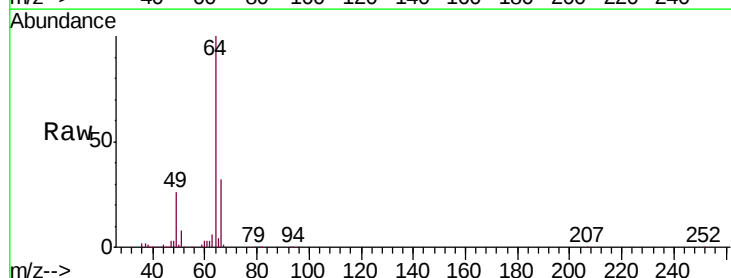
Acq: 26 Nov 2018 14:13

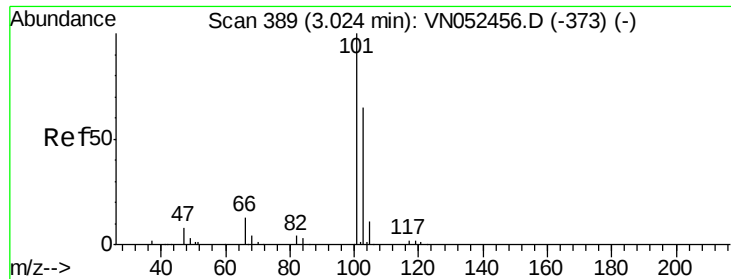
Tgt Ion: 64 Resp: 796412

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



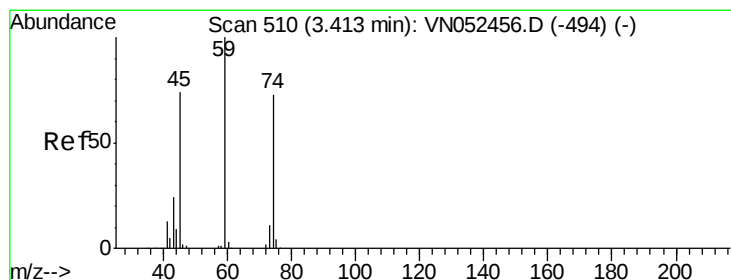
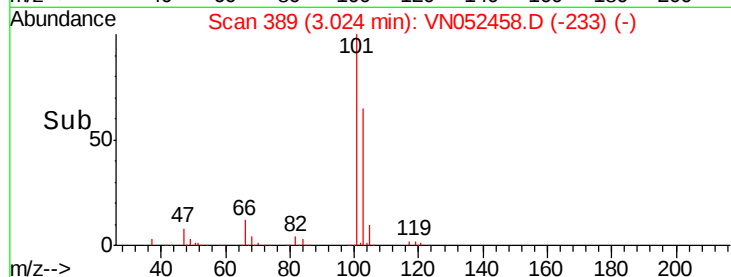
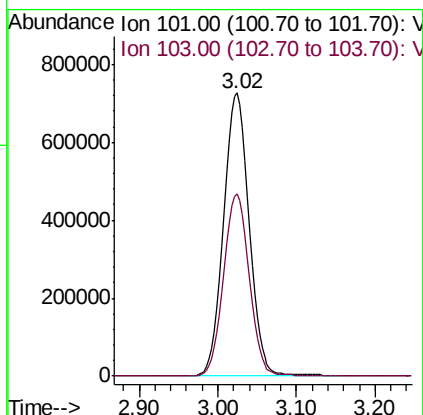
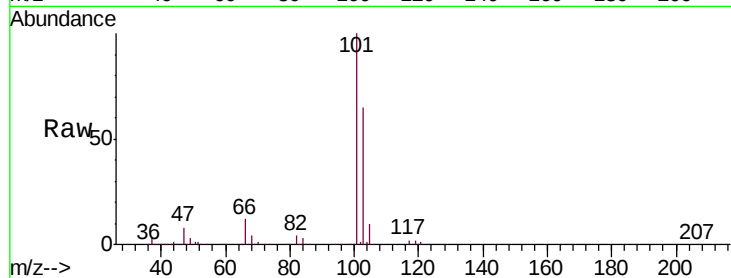


#7

Trichlorofluoromethane  
 Concen: 100.578 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

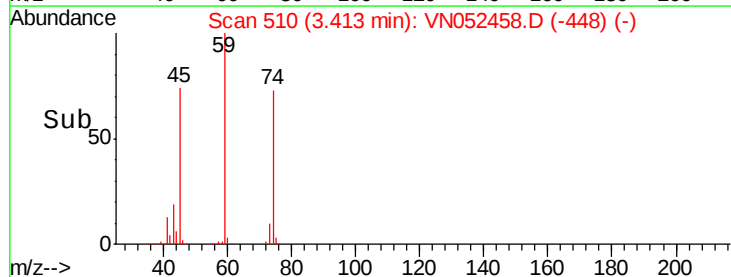
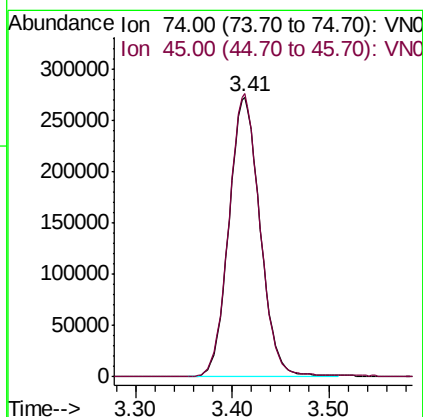
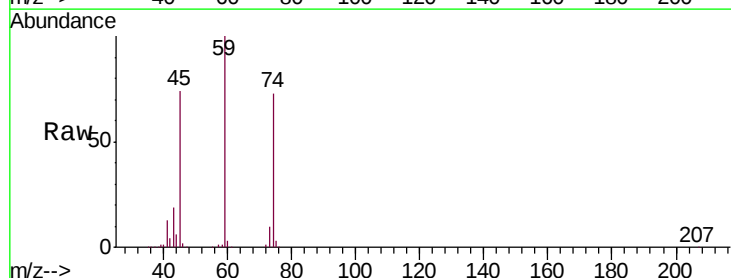
Tgt Ion:101 Resp: 1633037  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 52.1 78.1

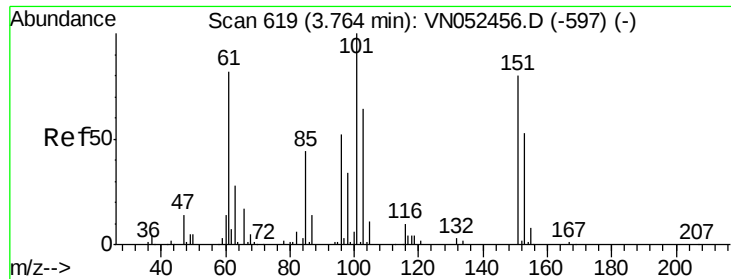


#8

Diethyl Ether  
 Concen: 102.021 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 74 Resp: 611644  
 Ion Ratio Lower Upper  
 74 100  
 45 100.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.098 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

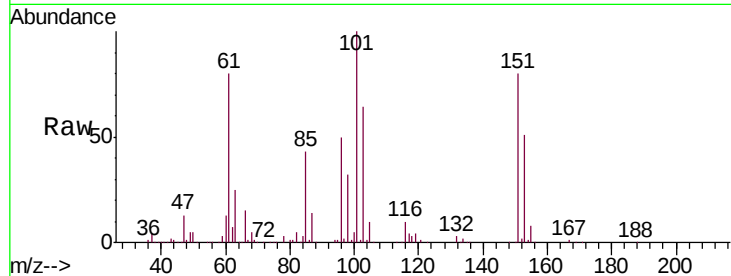
Tgt Ion:101 Resp: 1019988

Ion Ratio Lower Upper

101 100

85 42.3 0.0 82.6

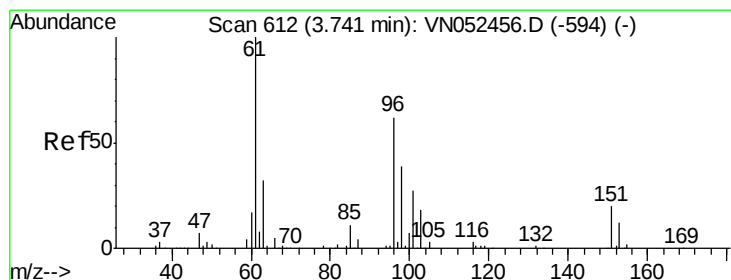
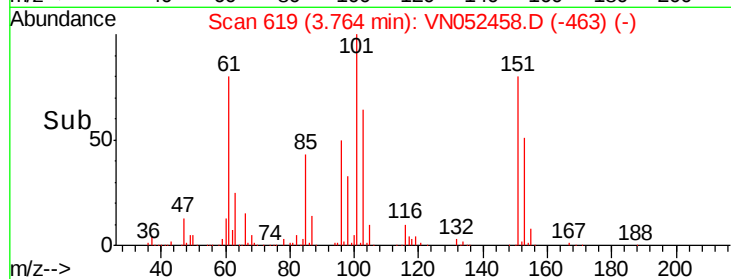
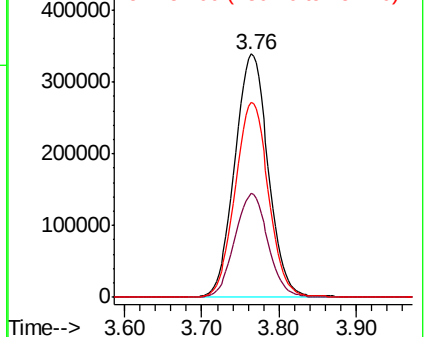
151 79.8 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 102.768 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

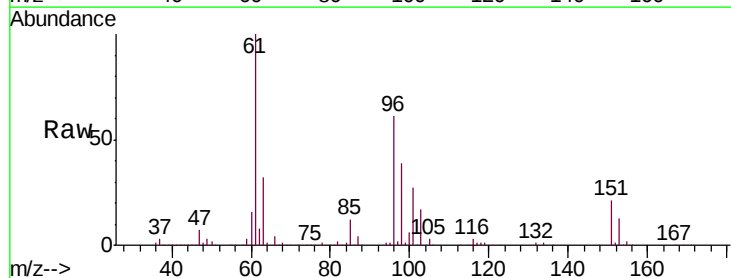
Tgt Ion: 96 Resp: 994534

Ion Ratio Lower Upper

96 100

61 163.8 129.4 194.2

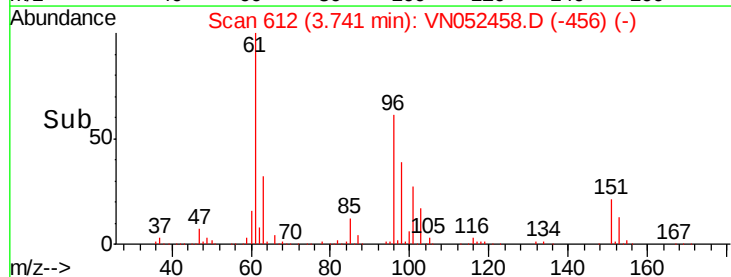
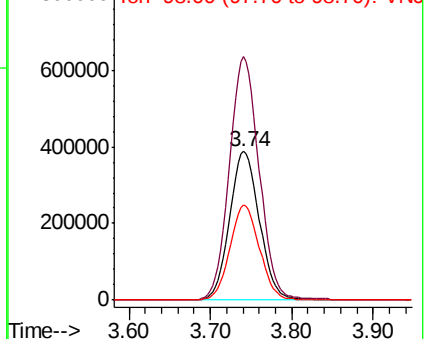
98 64.1 50.4 75.6

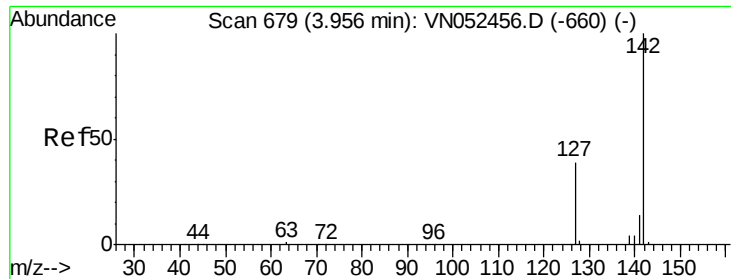


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

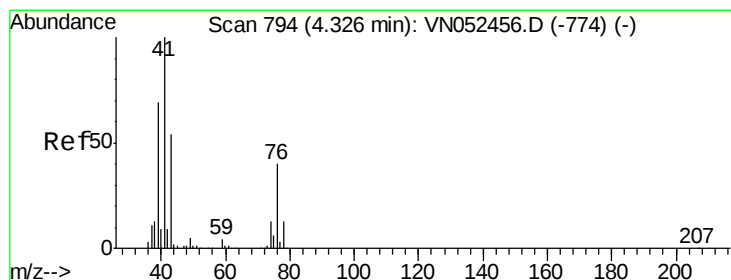
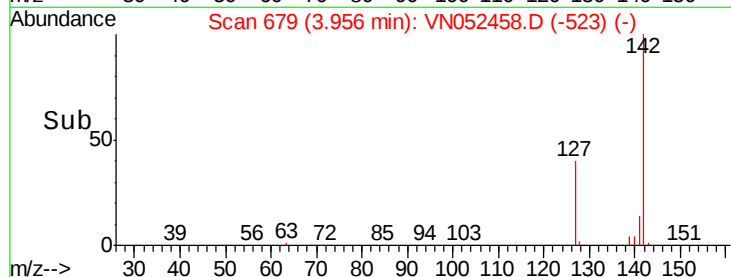
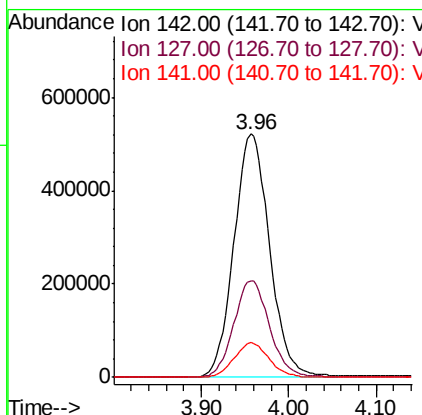
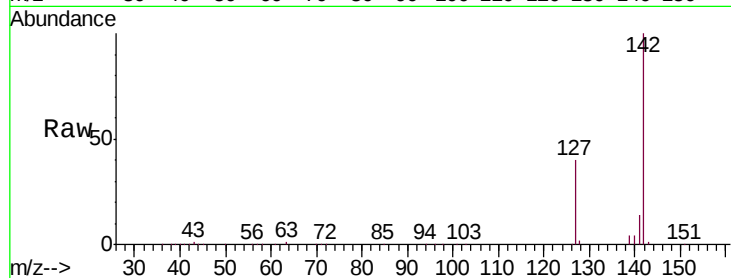




#11  
Methyl Iodide  
Concen: 110.146 ug/l  
RT: 3.96 min Scan# 679  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

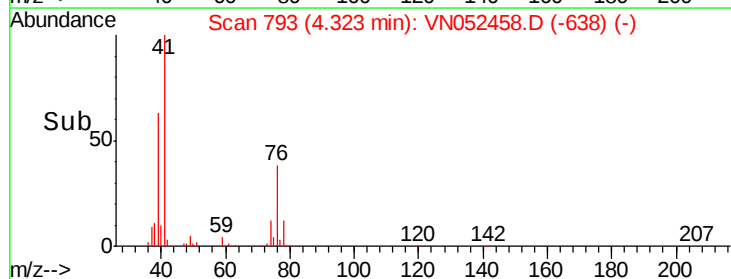
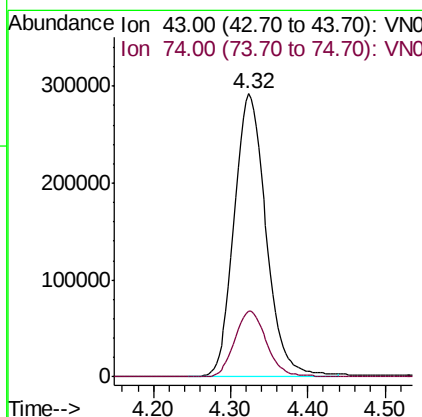
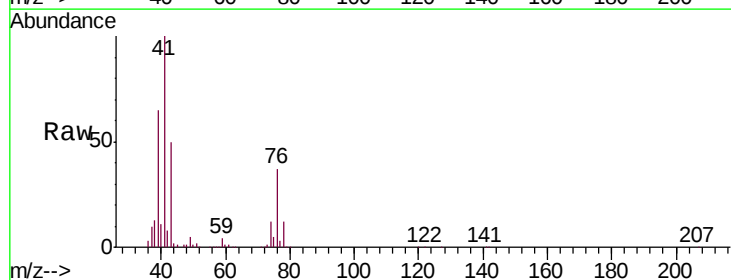
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

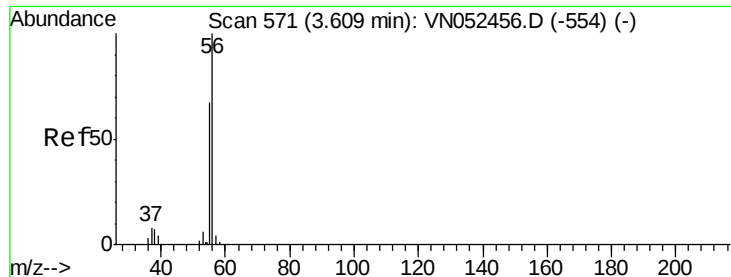
Tgt Ion:142 Resp: 1479980  
Ion Ratio Lower Upper  
142 100  
127 39.8 19.4 58.1  
141 14.2 7.2 21.6



#12  
Methyl Acetate  
Concen: 101.369 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 833518  
Ion Ratio Lower Upper  
43 100  
74 23.2 18.9 28.3





#13

Acrolein

Concen: 520.559 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

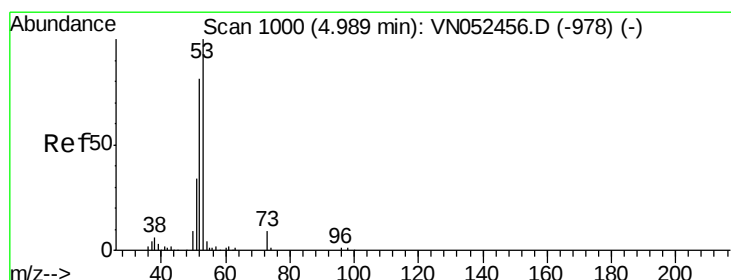
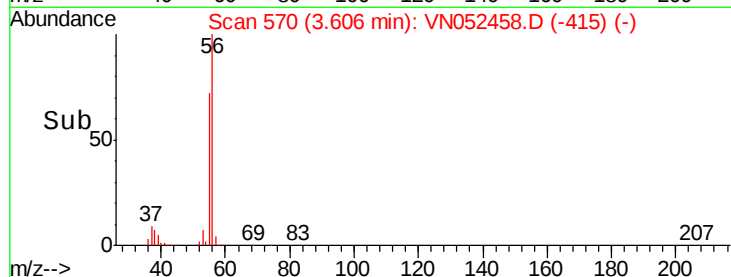
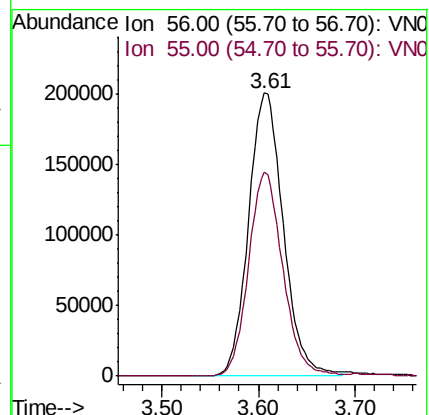
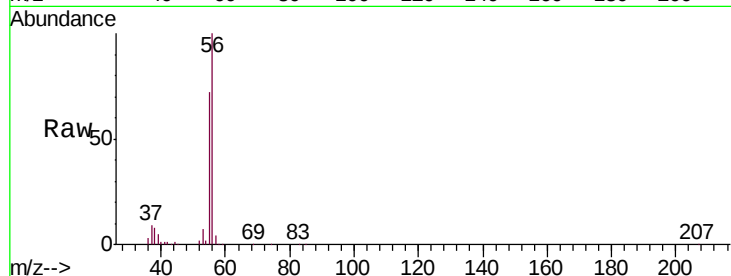
VSTDIC100

Tgt Ion: 56 Resp: 502799

Ion Ratio Lower Upper

56 100

55 70.5 56.7 85.1



#14

Acrylonitrile

Concen: 513.006 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

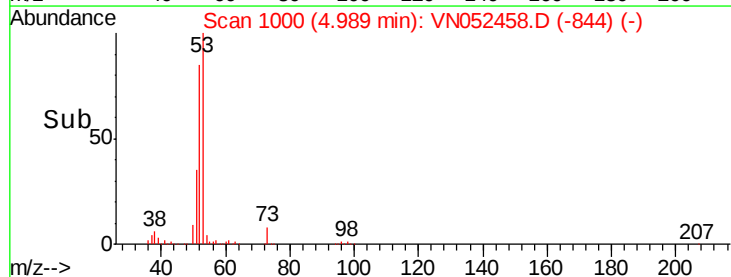
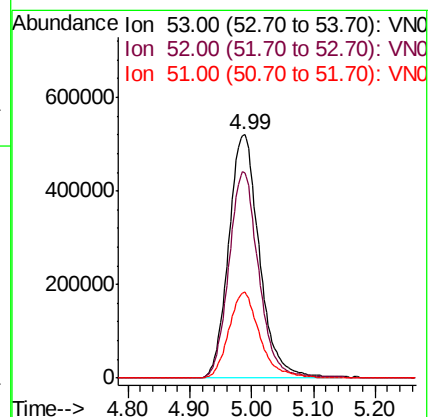
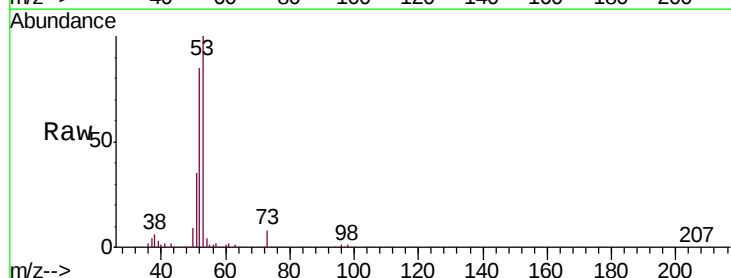
Tgt Ion: 53 Resp: 1797330

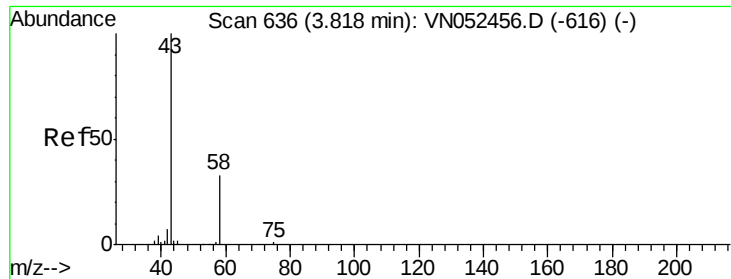
Ion Ratio Lower Upper

53 100

52 82.1 39.9 119.7

51 35.6 17.6 52.9





#15

Acetone

Concen: 475.912 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

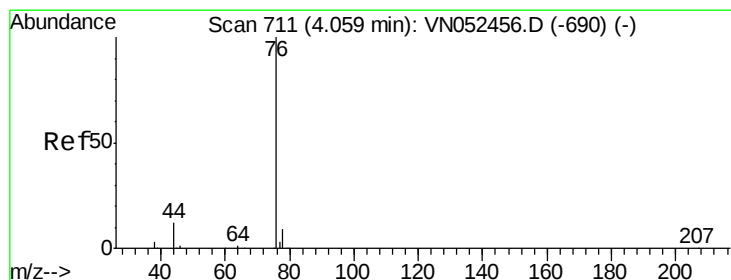
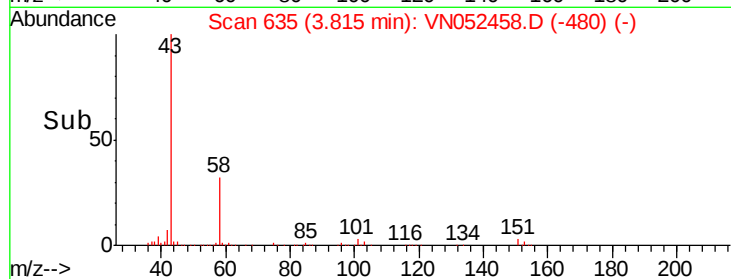
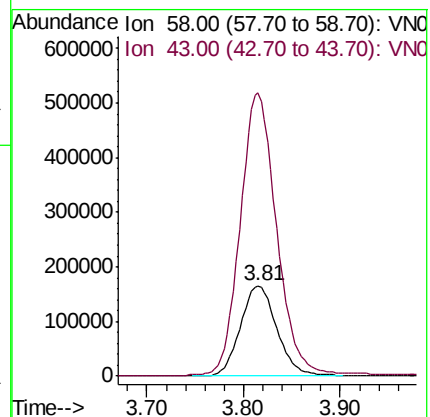
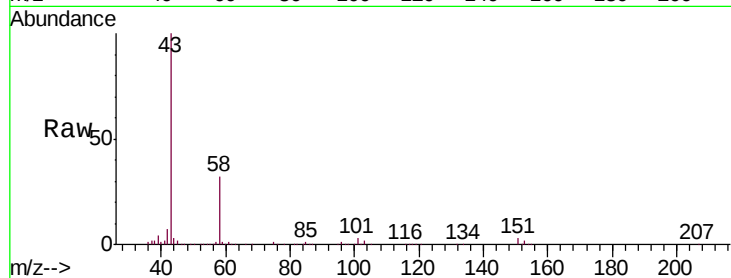
VSTDIC100

Tgt Ion: 58 Resp: 431811

Ion Ratio Lower Upper

58 100

43 313.3 243.6 365.4



#16

Carbon Disulfide

Concen: 102.471 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052458.D

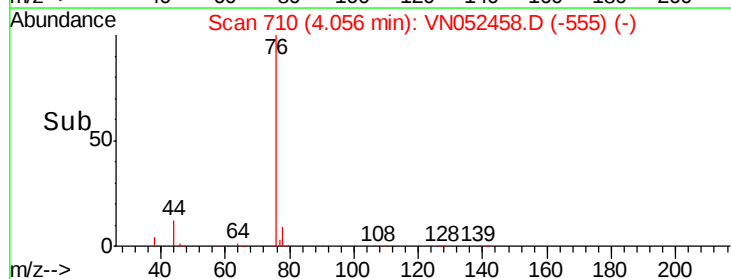
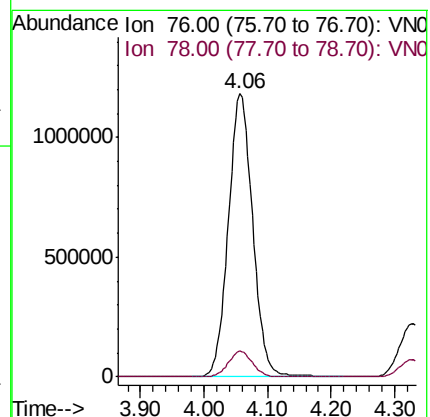
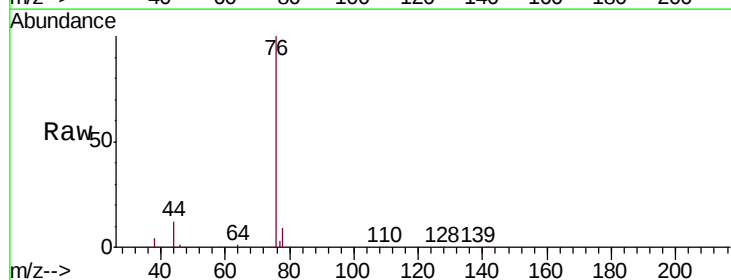
Acq: 26 Nov 2018 14:13

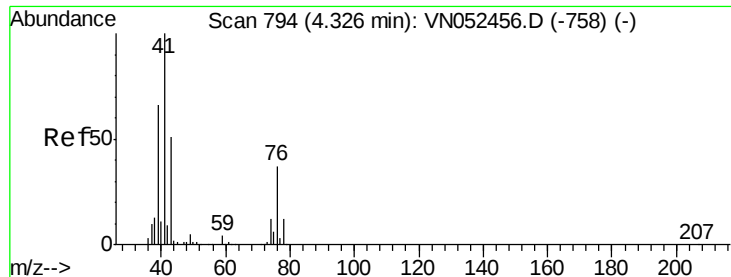
Tgt Ion: 76 Resp: 3139619

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allyl chloride

Concen: 107.241 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

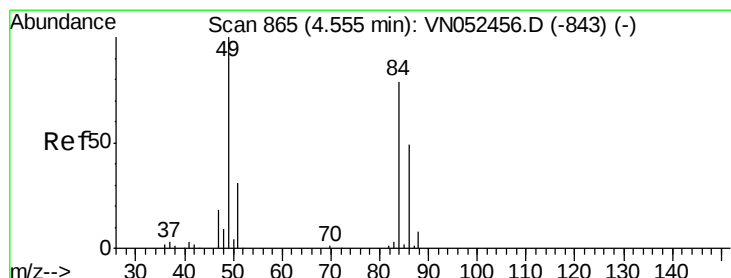
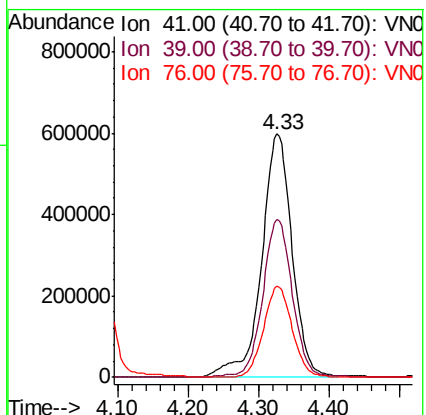
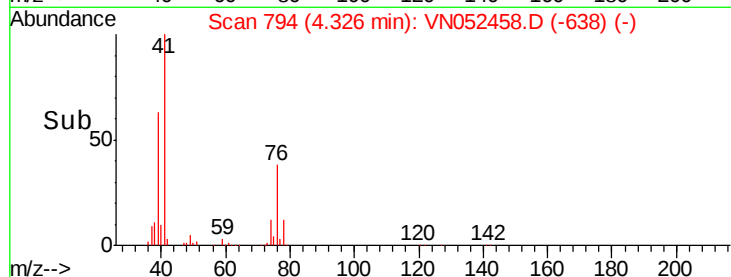
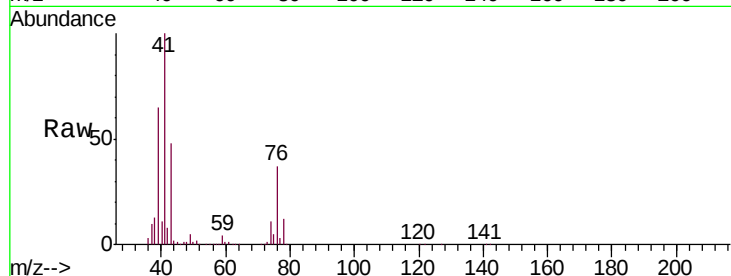
Tgt Ion: 41 Resp: 1809939

Ion Ratio Lower Upper

41 100

39 64.8 32.8 98.3

76 36.9 18.6 55.8



#18

Methylene Chloride

Concen: 100.198 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Tgt Ion: 84 Resp: 1122729

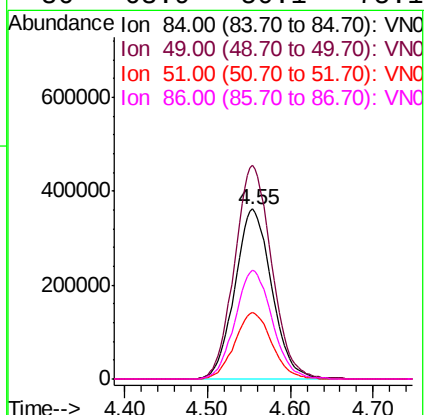
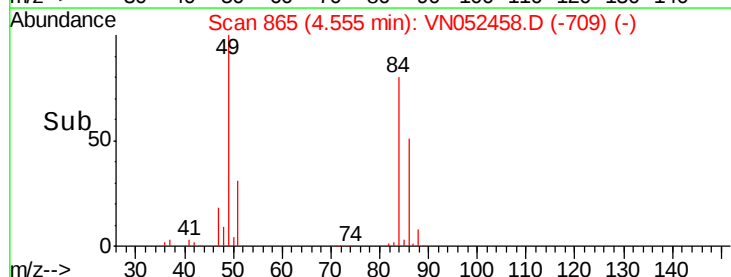
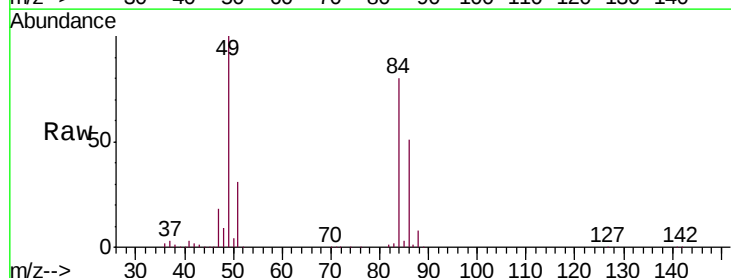
Ion Ratio Lower Upper

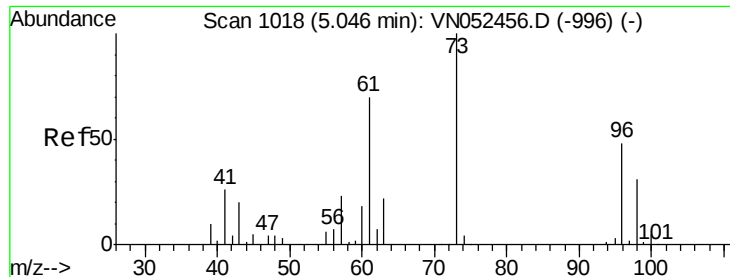
84 100

49 125.6 101.4 152.0

51 38.9 31.7 47.5

86 63.9 50.1 75.1

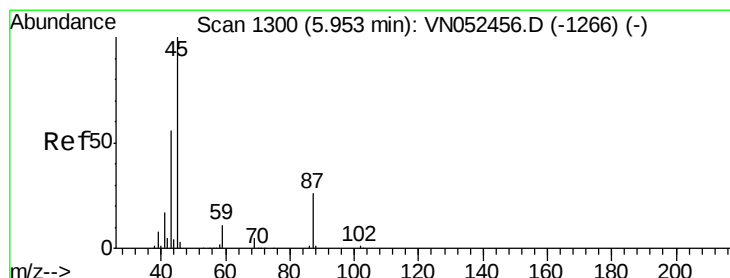
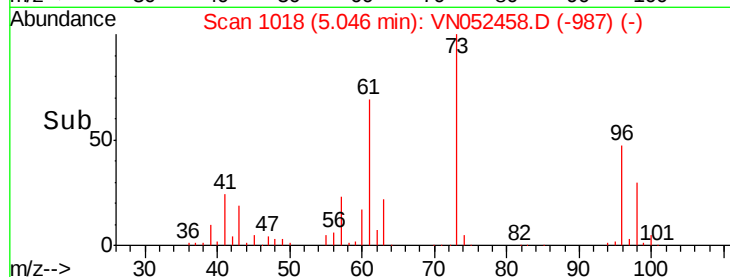
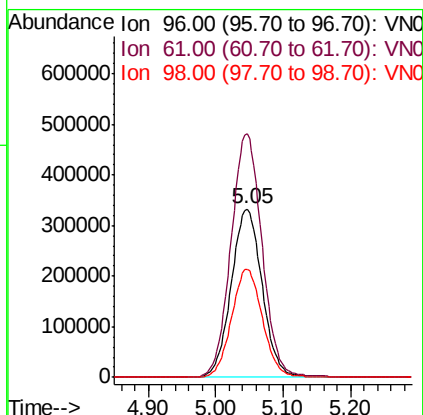
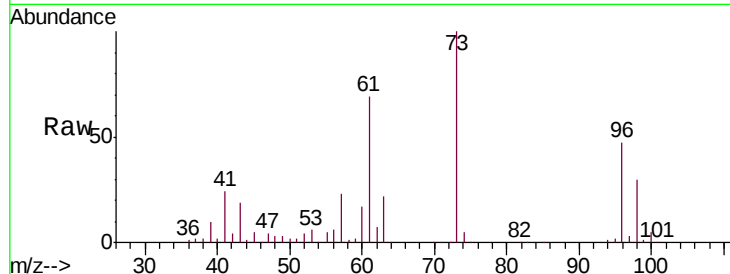




#19  
trans-1,2-Dichloroethene  
Concen: 102.300 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

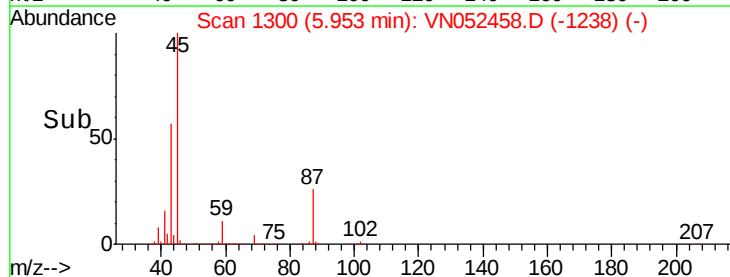
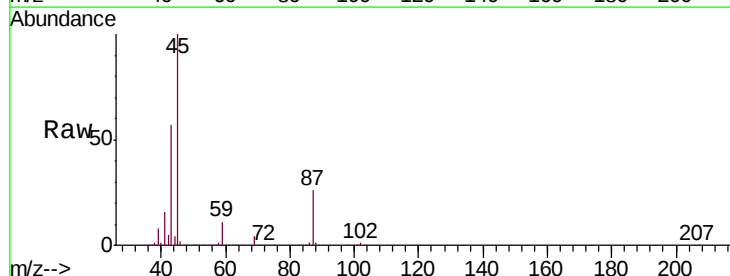
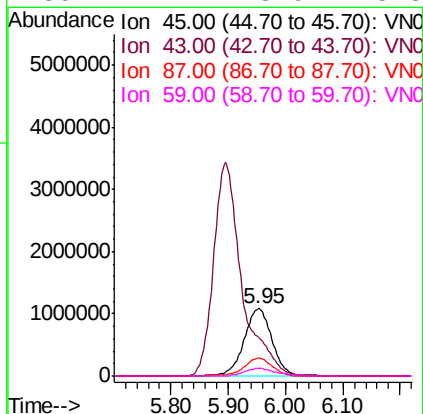
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

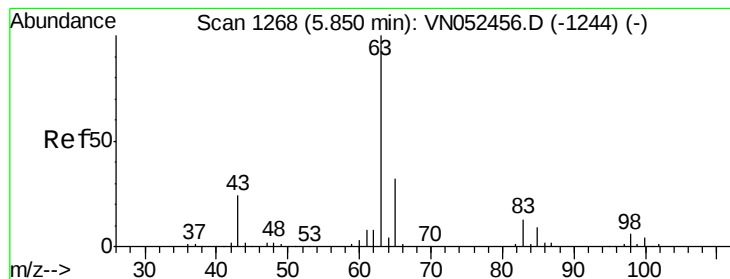
Tgt Ion: 96 Resp: 1065420  
Ion Ratio Lower Upper  
96 100  
61 144.8 118.2 177.4  
98 64.4 51.4 77.2



#20  
Diisopropyl ether  
Concen: 103.195 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 45 Resp: 3660048  
Ion Ratio Lower Upper  
45 100  
43 56.6 47.8 71.8  
87 26.1 21.3 31.9  
59 11.4 8.9 13.3





#21

1,1-Dichloroethane

Concen: 102.653 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

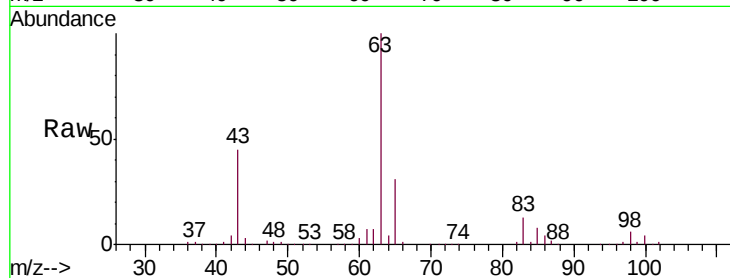
Tgt Ion: 63 Resp: 2075095

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

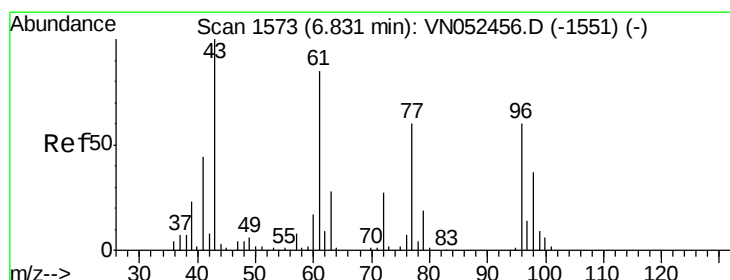
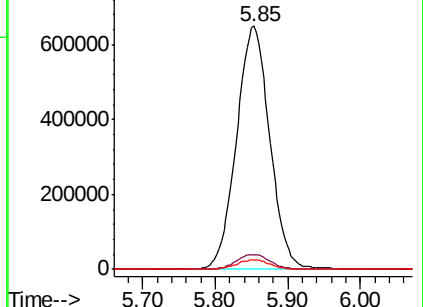
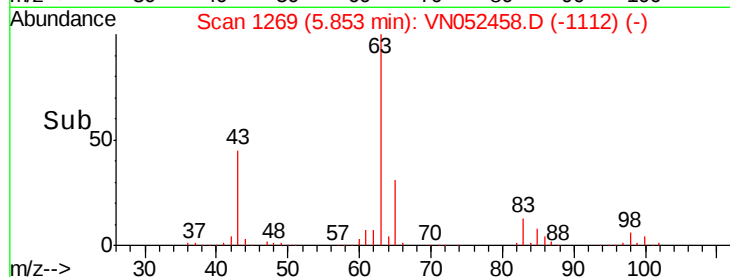
100 3.9 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN052458.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052458.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052458.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 102.490 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

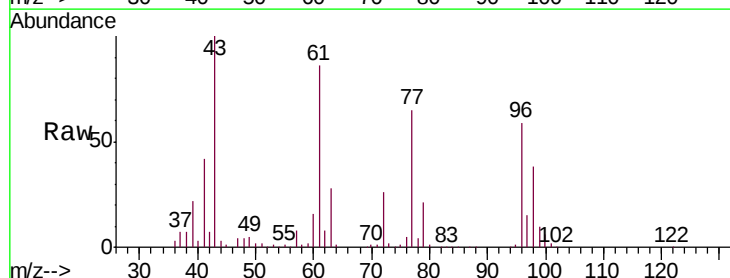
Tgt Ion: 96 Resp: 1223307

Ion Ratio Lower Upper

96 100

61 147.7 116.7 175.1

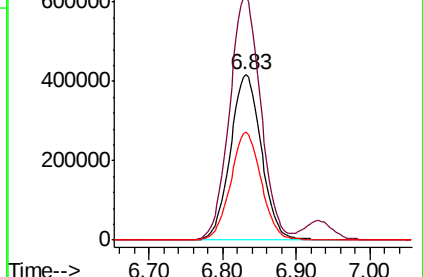
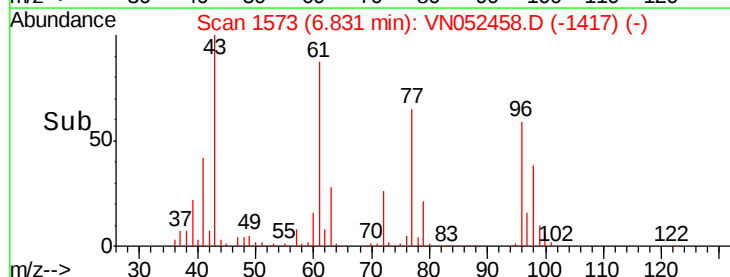
98 64.5 50.8 76.2

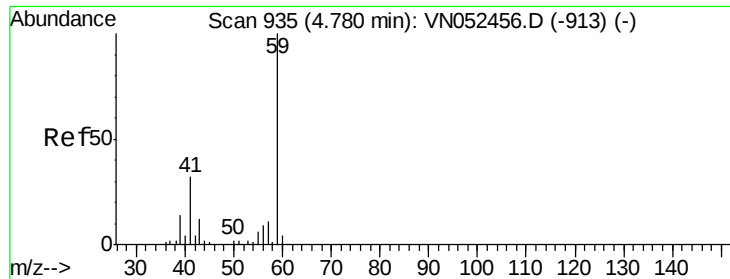


Abundance Ion 96.00 (95.70 to 96.70): VN052458.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052458.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052458.D (-1417) (-)

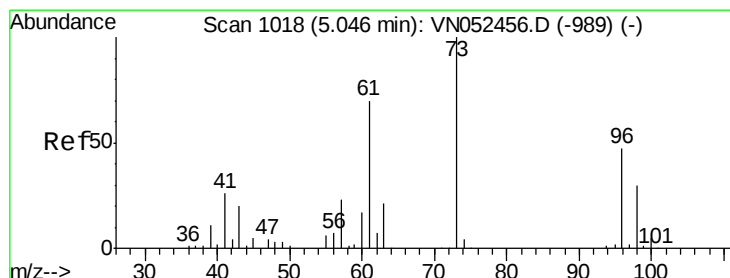
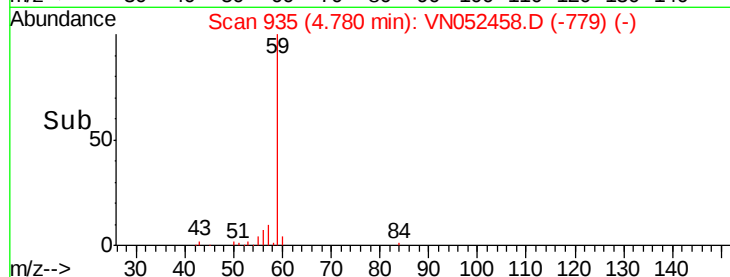
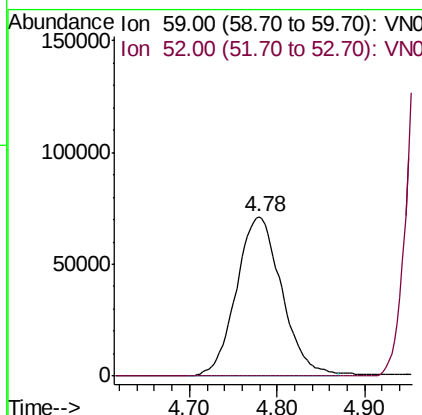
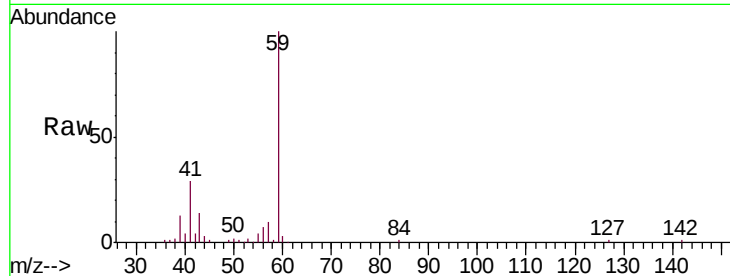




#23  
 tert-Butyl Alcohol  
 Concen: 492.359 ug/l  
 RT: 4.78 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

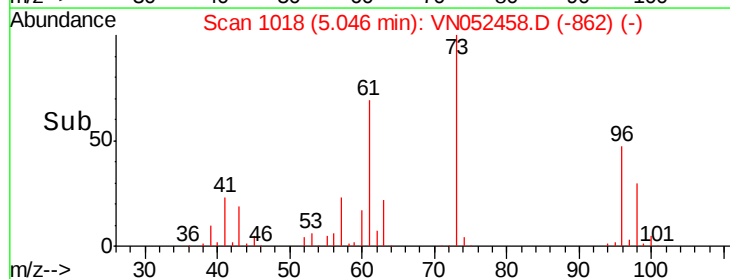
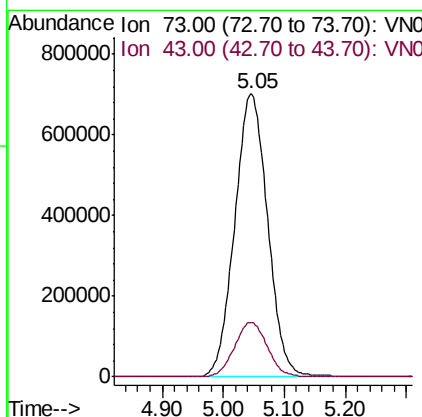
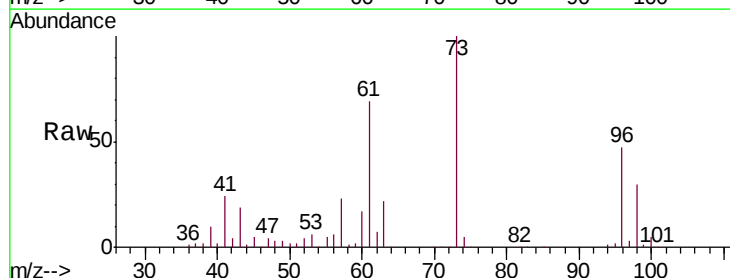
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC100

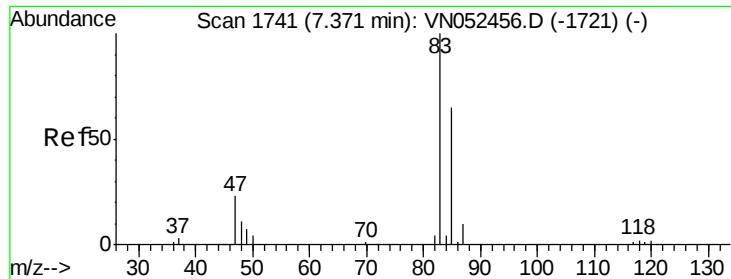
Tgt Ion: 59 Resp: 256609  
 Ion Ratio Lower Upper  
 59 100  
 52 0.0 0.0 0.0#



#24  
 Methyl tert-Butyl Ether  
 Concen: 103.728 ug/l  
 RT: 5.05 min Scan# 1018  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 73 Resp: 2633439  
 Ion Ratio Lower Upper  
 73 100  
 43 18.9 15.8 23.8

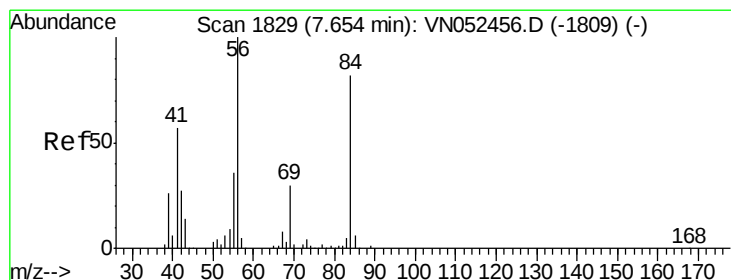
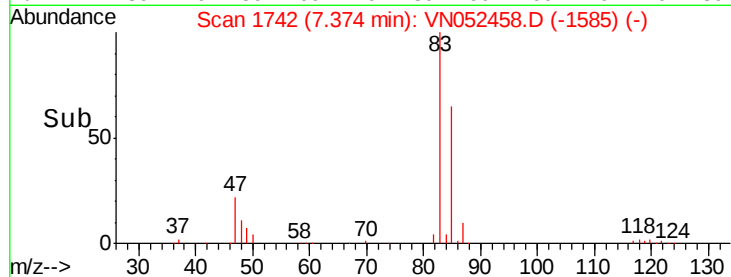
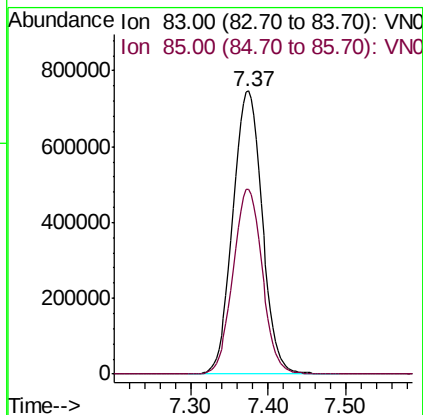
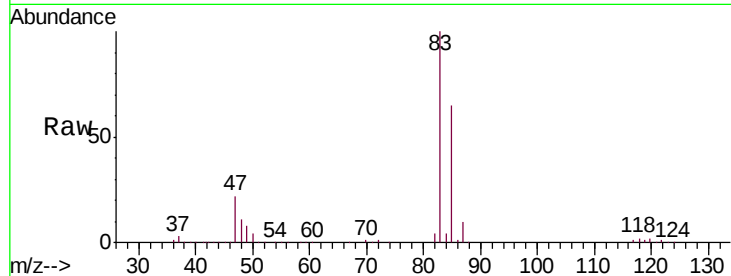




#25  
Chloroform  
Concen: 101.000 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

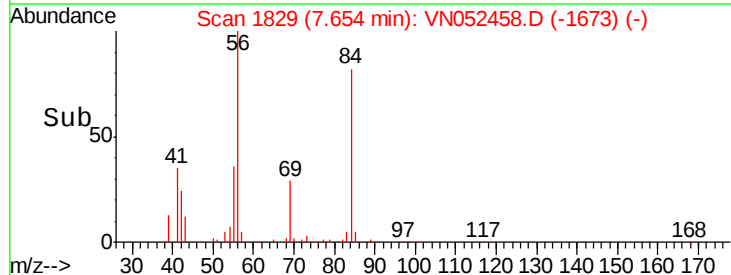
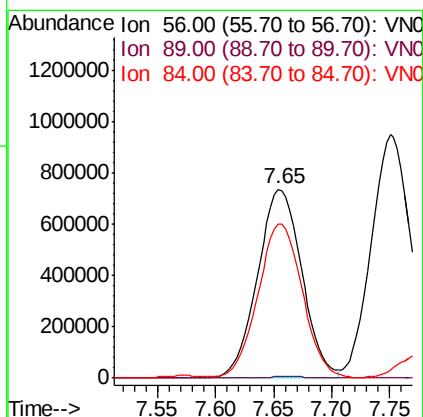
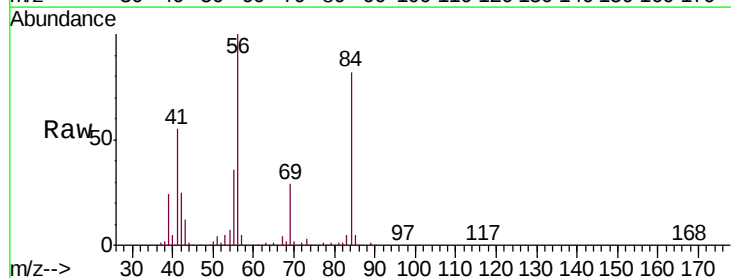
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

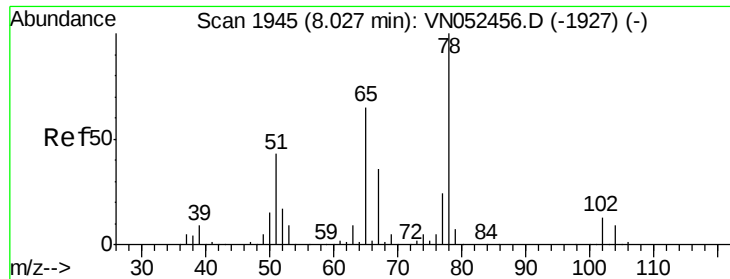
Tgt Ion: 83 Resp: 1969686  
Ion Ratio Lower Upper  
83 100  
85 65.4 51.7 77.5



#26  
Cyclohexane  
Concen: 102.865 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 56 Resp: 1961192  
Ion Ratio Lower Upper  
56 100  
89 0.7 0.5 0.7#  
84 82.1 66.2 99.2

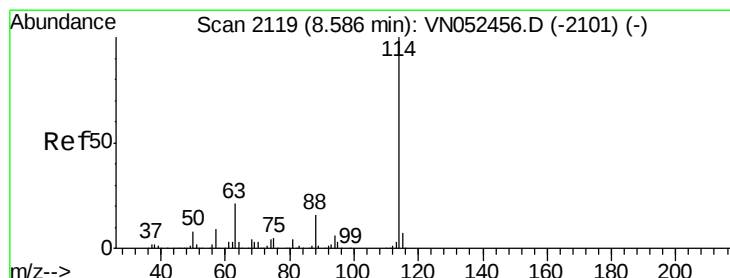
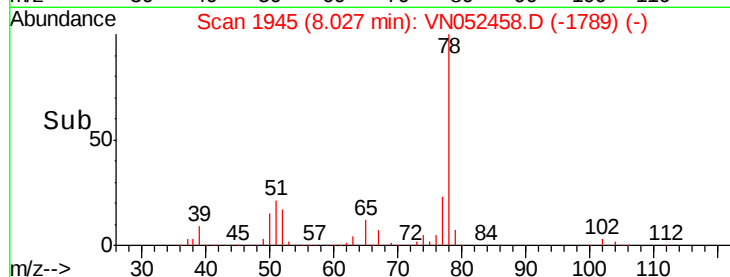
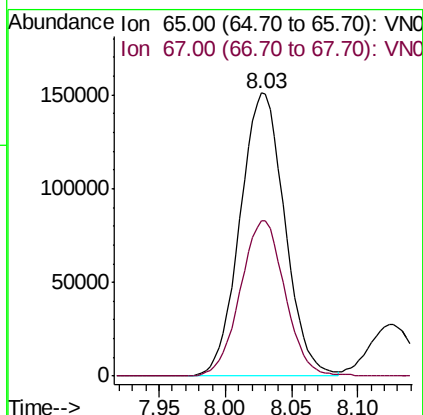
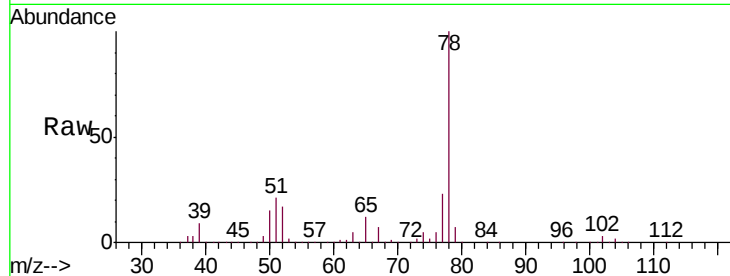




#27  
 1,2-Dichloroethane-d4  
 Concen: 102.865 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

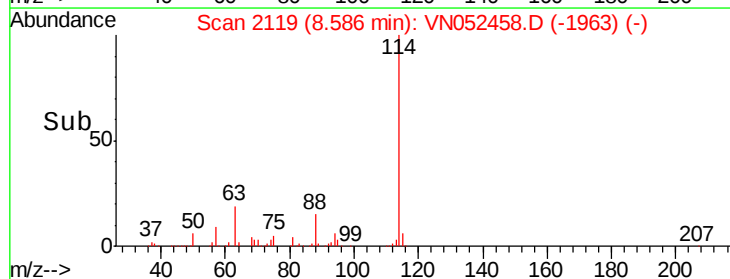
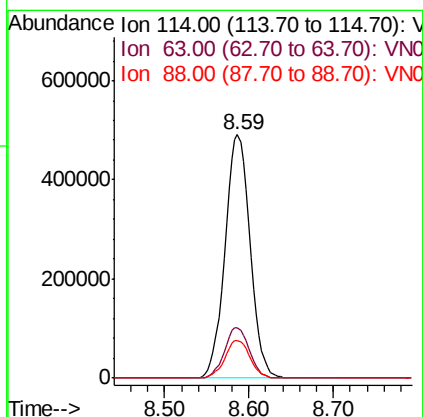
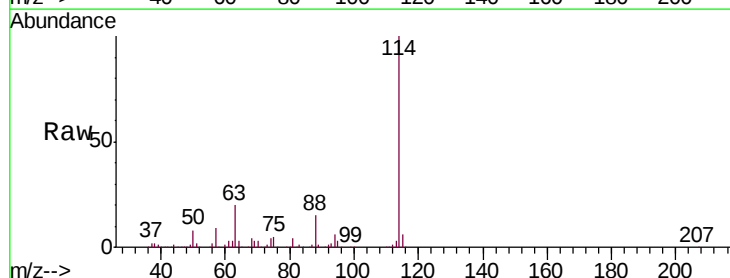
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

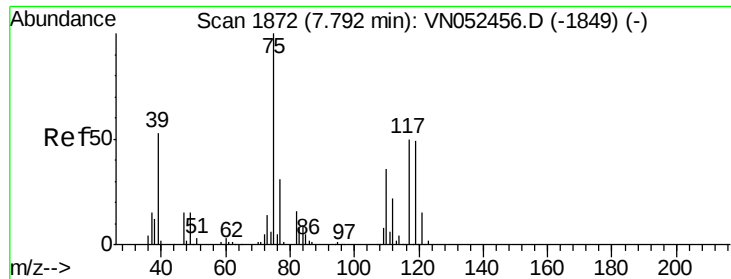
Tgt Ion: 65 Resp: 355050  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 44.6 66.8



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 114 Resp: 1012957  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 16.9 25.3  
 88 15.6 12.8 19.2

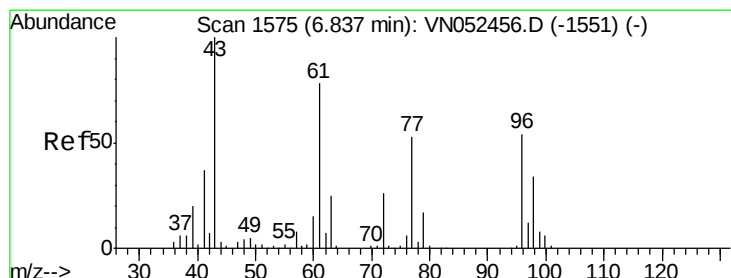
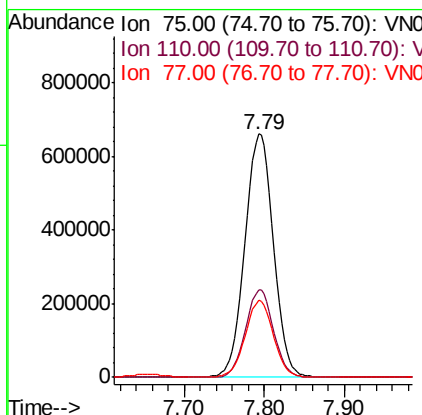
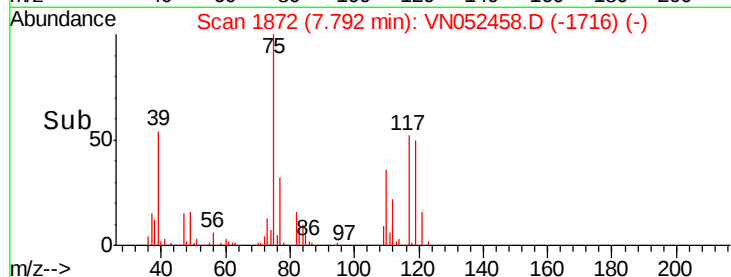
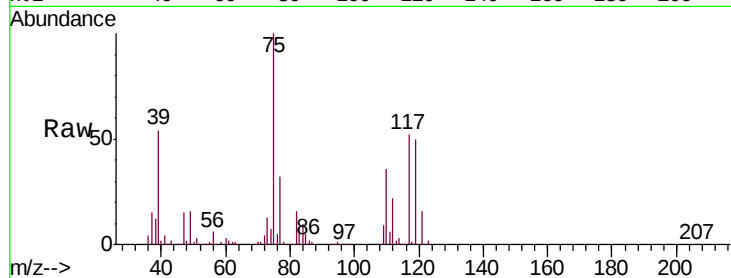




#29  
 1,1-Dichloropropene  
 Concen: 102.845 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

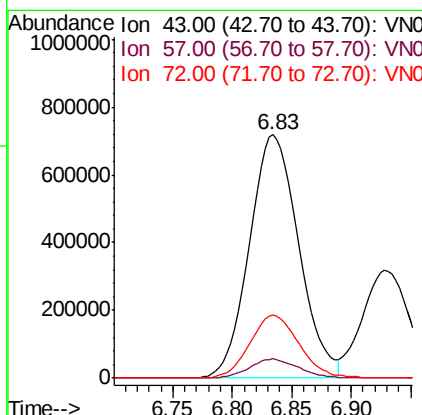
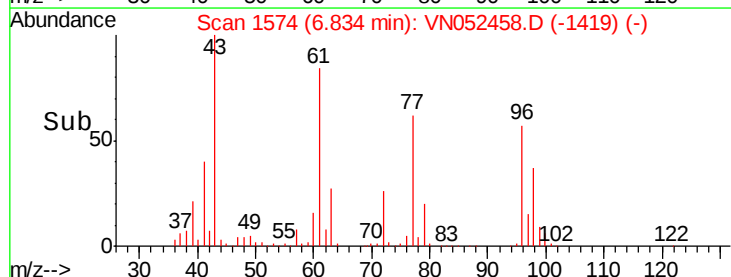
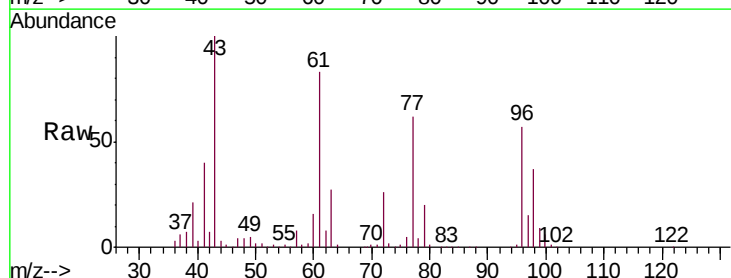
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

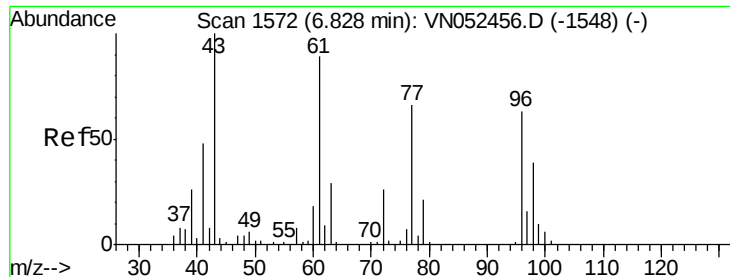
Tgt Ion: 75 Resp: 1590898  
 Ion Ratio Lower Upper  
 75 100  
 110 35.1 0.0 70.2  
 77 31.0 0.0 62.6



#30  
 2-Butanone  
 Concen: 497.850 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 2060713  
 Ion Ratio Lower Upper  
 43 100  
 57 8.0 6.2 9.4  
 72 26.1 21.0 31.6





#31

2,2-Dichloropropane

Concen: 103.447 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

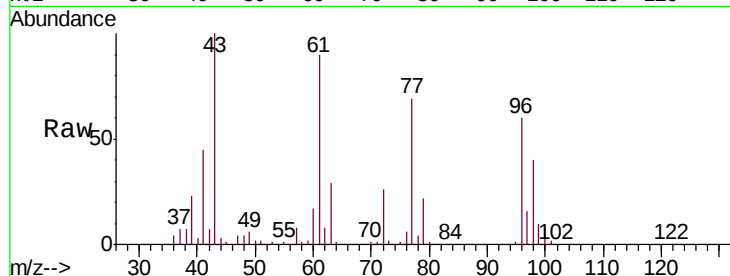
VSTDIC100

Tgt Ion: 77 Resp: 1473193

Ion Ratio Lower Upper

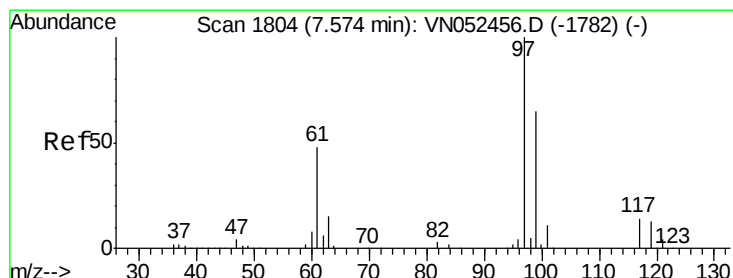
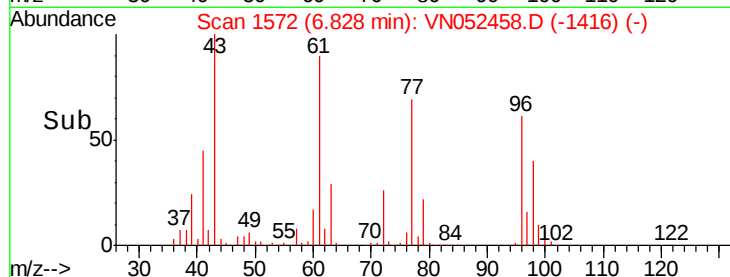
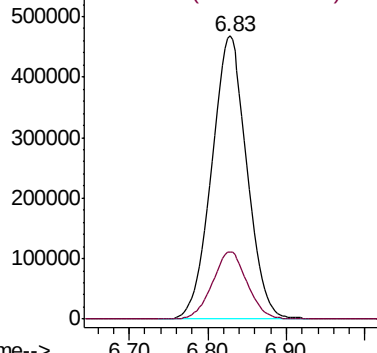
77 100

97 23.6 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 102.011 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

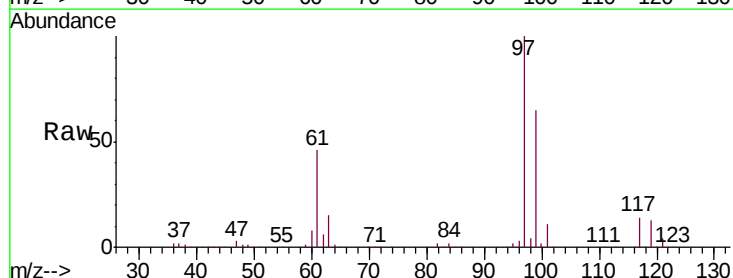
Tgt Ion: 97 Resp: 1641953

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

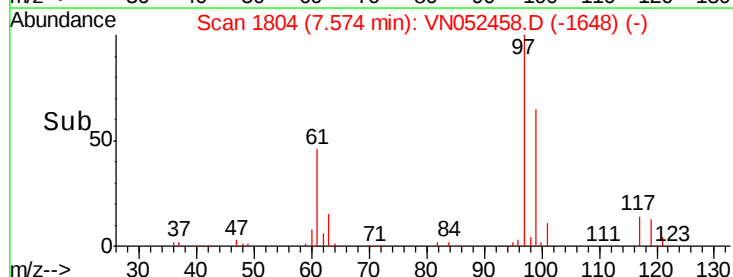
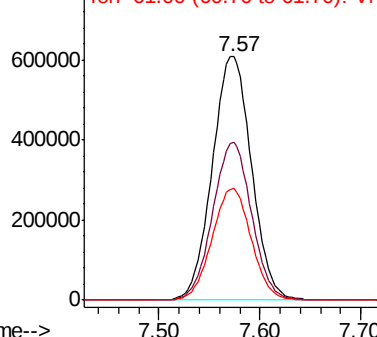
61 45.8 38.1 57.1

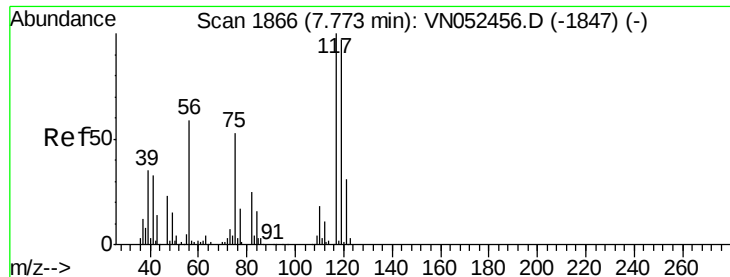


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

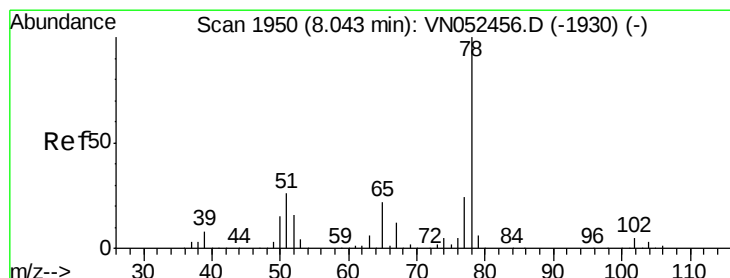
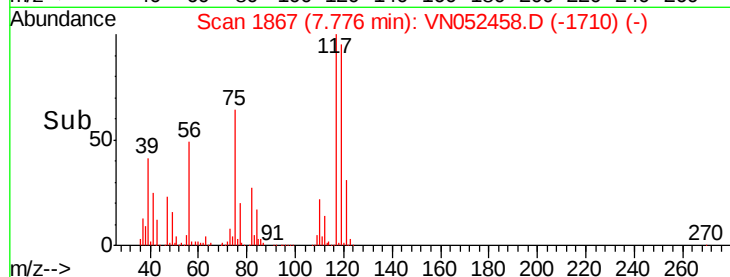
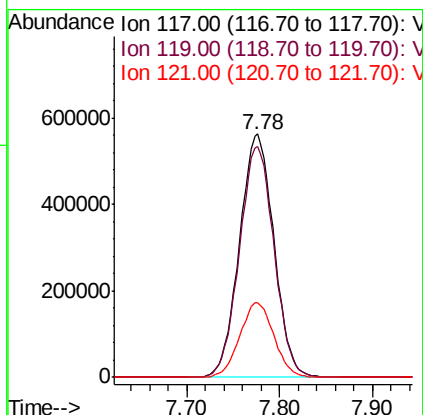
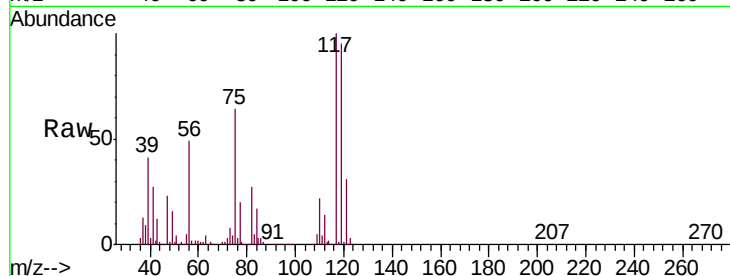




#33  
Carbon Tetrachloride  
Concen: 102.924 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

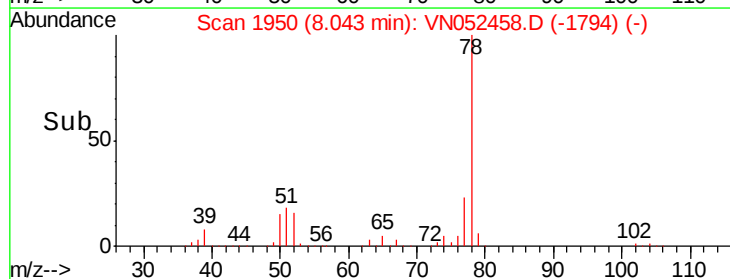
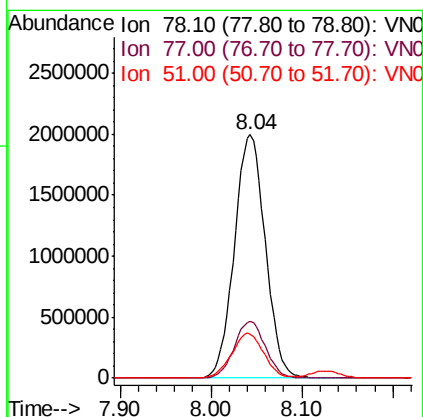
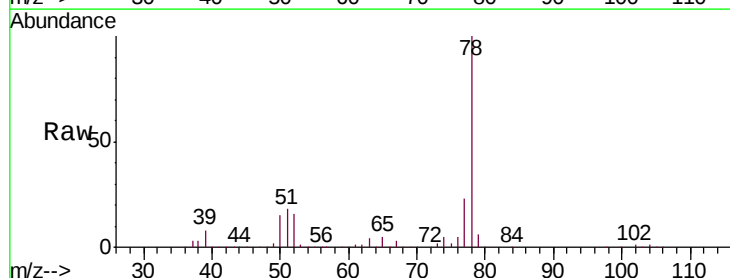
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

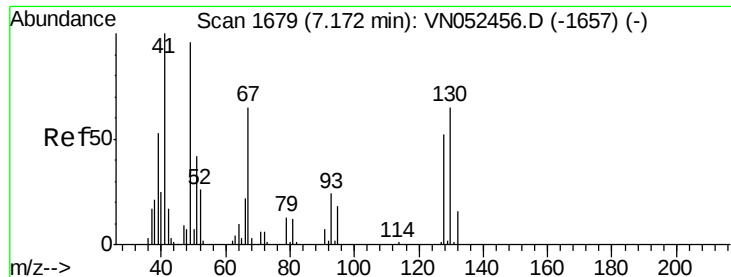
Tgt Ion:117 Resp: 1449536  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.3 115.9  
121 30.9 24.9 37.3



#34  
Benzene  
Concen: 101.389 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 78 Resp: 4715392  
Ion Ratio Lower Upper  
78 100  
77 23.2 19.0 28.6  
51 18.1 20.5 30.7#

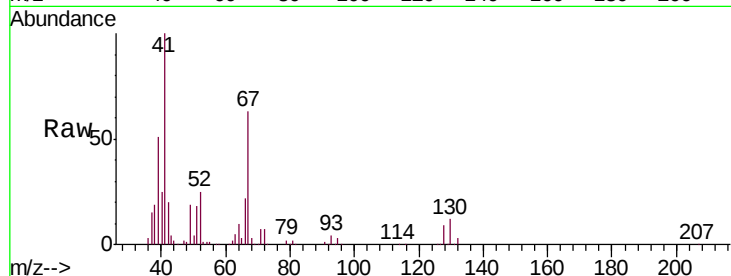




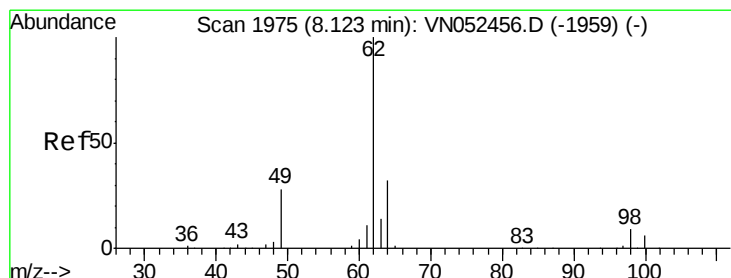
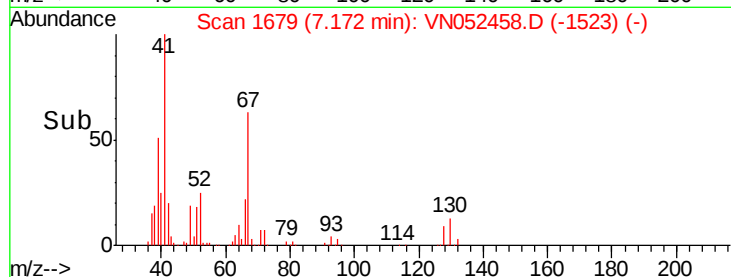
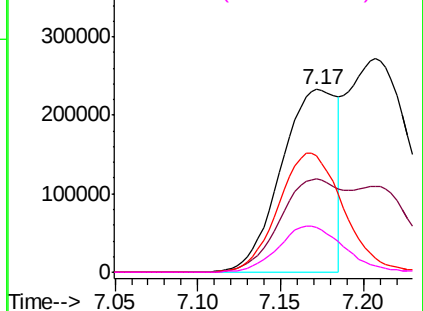
#35  
Methacrylonitrile  
Concen: 75.889 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 542151 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 50.9  | 26.6  | 79.7   |
| 67       | 63.4  | 32.3  | 96.9   |
| 52       | 24.6  | 13.0  | 38.9   |

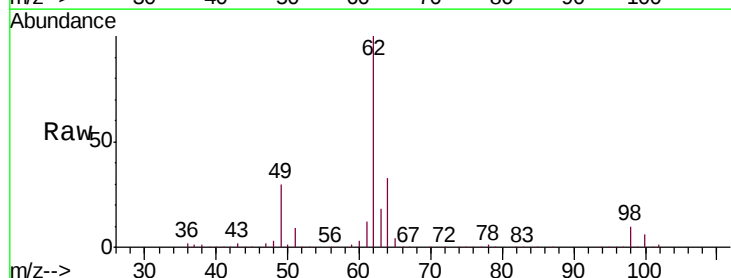


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

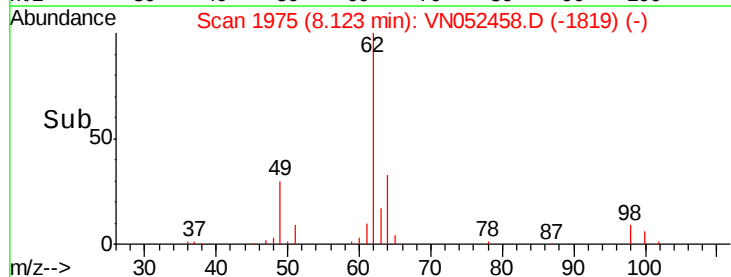
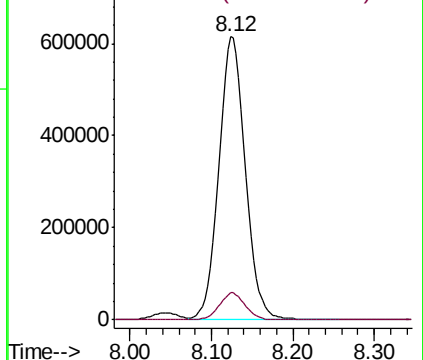


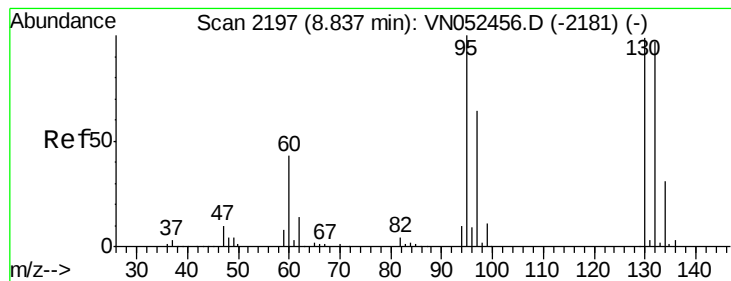
#36  
1,2-Dichloroethane  
Concen: 100.012 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 62    | Resp: | 1409490 |
| Ion      | Ratio | Lower | Upper   |
| 62       | 100   |       |         |
| 98       | 9.3   | 7.4   | 11.2    |



Abundance Ion 62.00 (61.70 to 62.70): VNO  
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 100.715 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

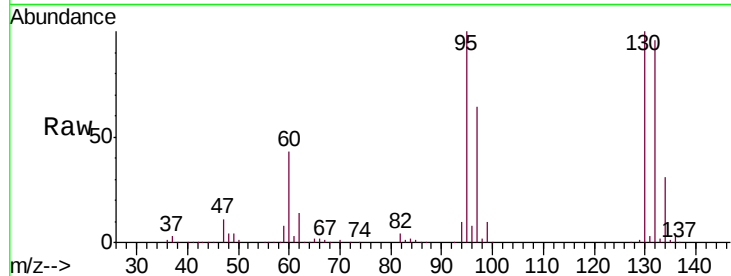
VSTDIC100

Tgt Ion:130 Resp: 1187763

Ion Ratio Lower Upper

130 100

95 100.1 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

600000

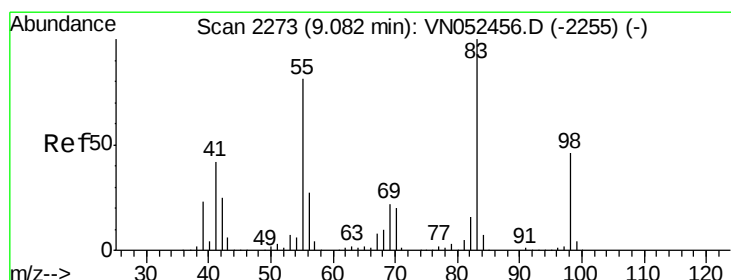
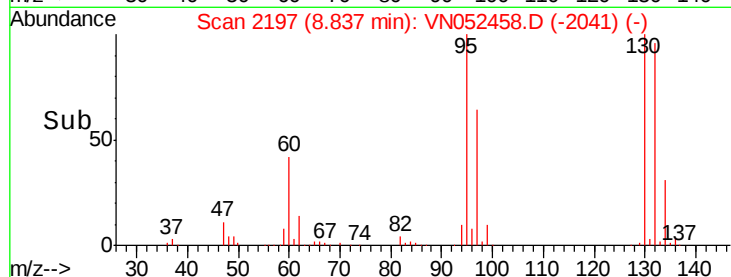
400000

200000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 101.908 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

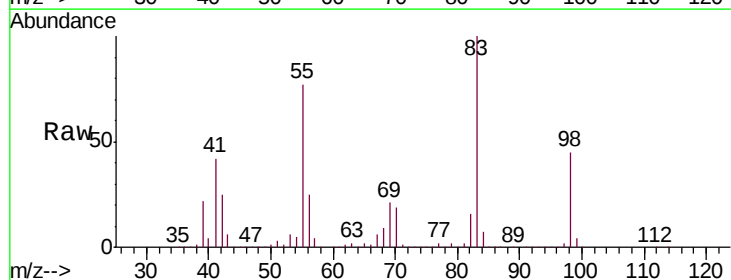
Tgt Ion: 83 Resp: 1951439

Ion Ratio Lower Upper

83 100

55 77.6 39.8 119.4

98 45.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

1200000

1000000

800000

600000

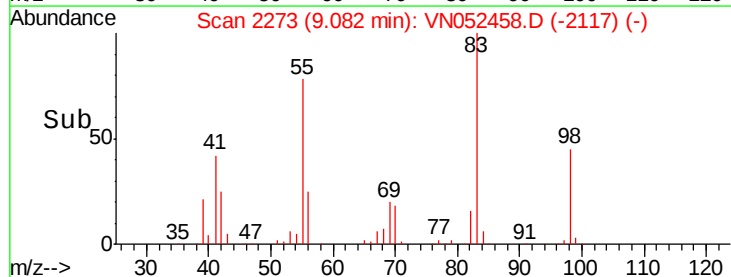
400000

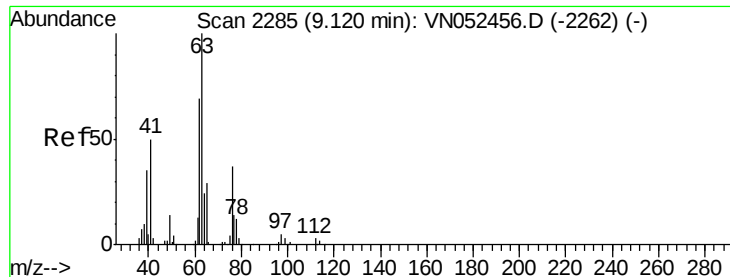
200000

0

9.00 9.10 9.20

Time-->

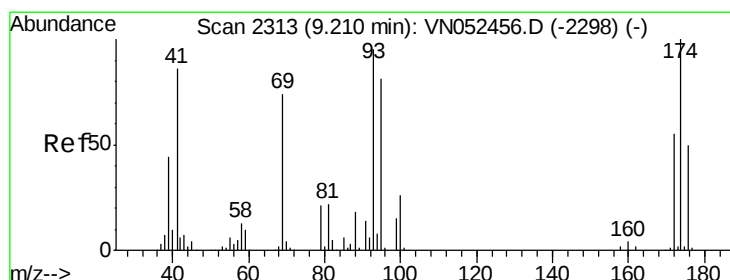
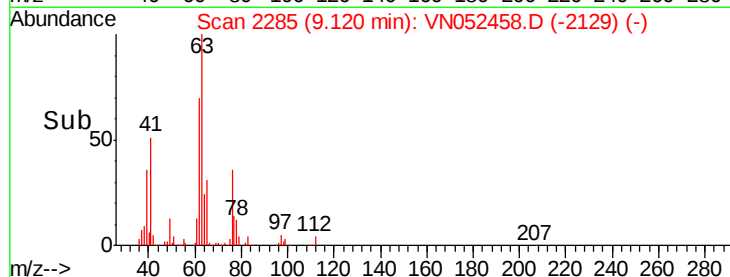
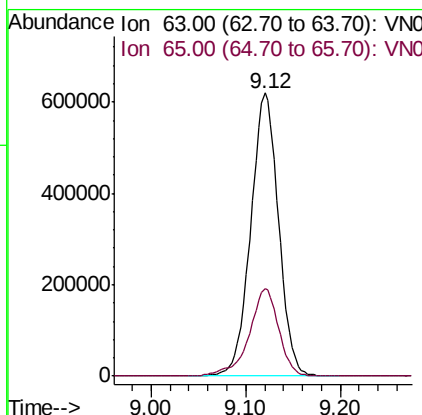
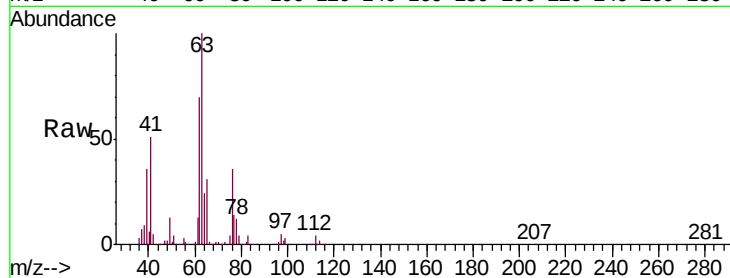




#39  
 1,2-Dichloropropane  
 Concen: 101.169 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

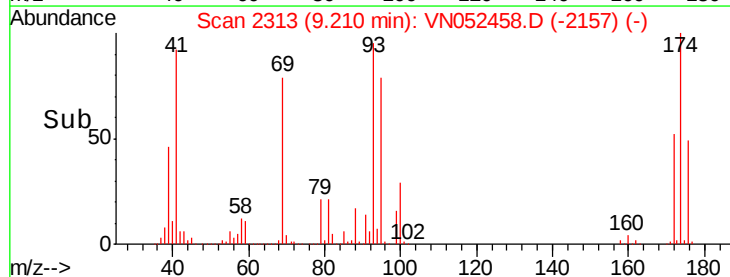
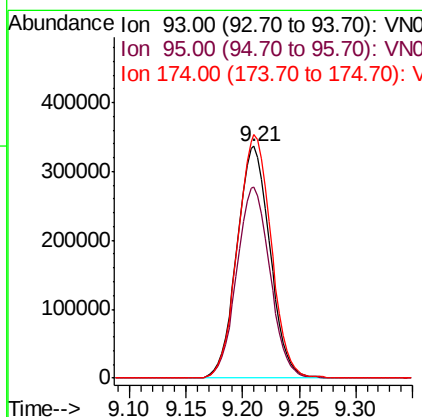
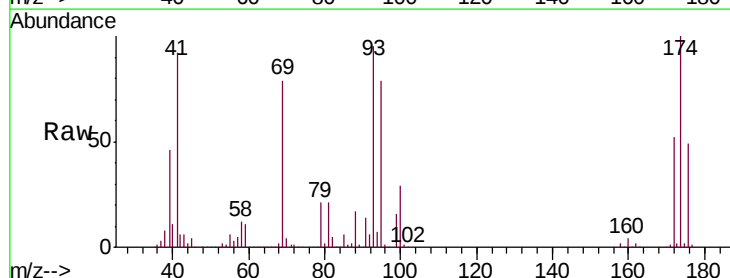
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

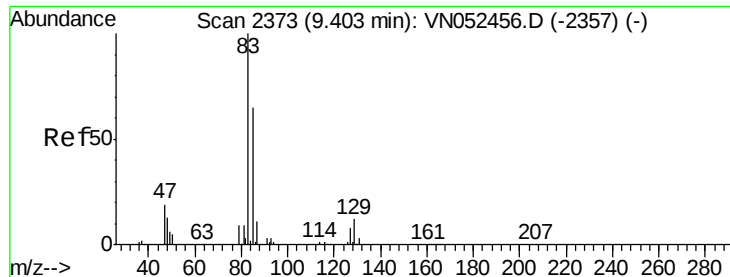
Tgt Ion: 63 Resp: 1261245  
 Ion Ratio Lower Upper  
 63 100  
 65 31.0 23.6 35.4



#40  
 Dibromomethane  
 Concen: 102.058 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 93 Resp: 687552  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 0.0 168.4  
 174 105.9 0.0 210.0





#41

Bromodichloromethane

Concen: 102.136 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC100

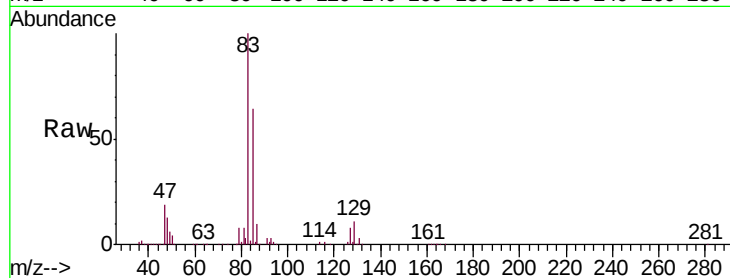
Tgt Ion: 83 Resp: 1520238

Ion Ratio Lower Upper

83 100

85 64.2 52.4 78.6

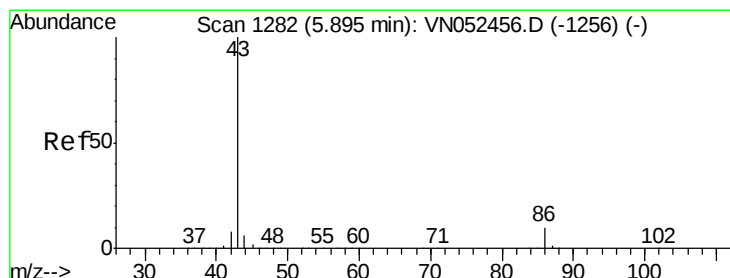
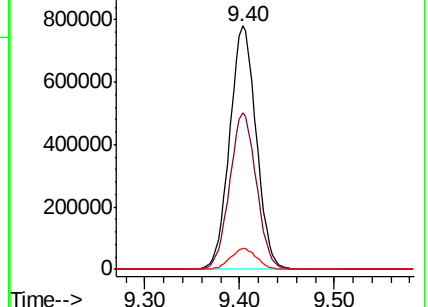
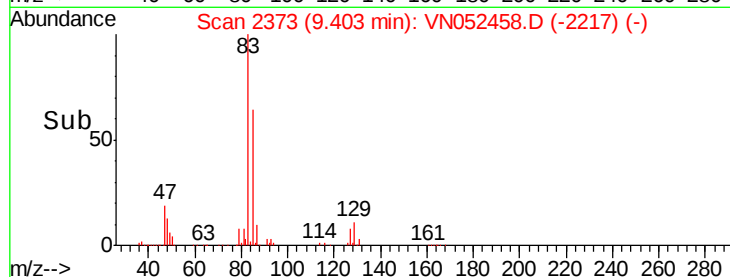
127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052458.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052458.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052458.D (-2217) (-)



#42

Vinyl Acetate

Concen: 525.895 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052458.D

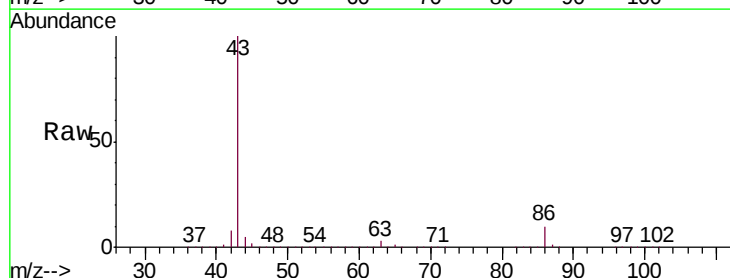
Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 11777849

Ion Ratio Lower Upper

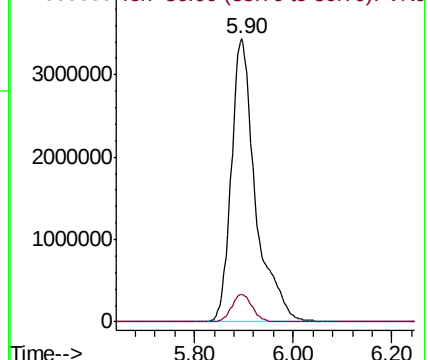
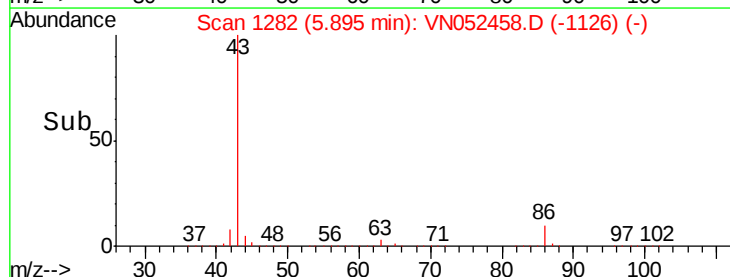
43 100

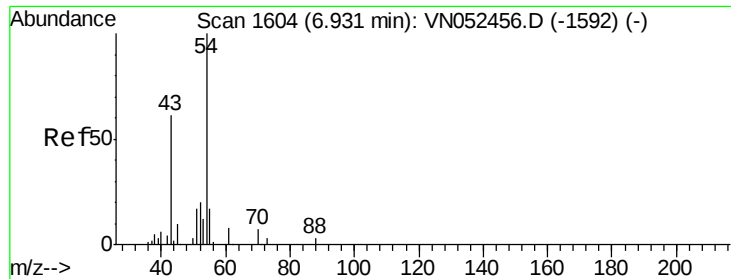
86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052458.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052458.D (-1126) (-)

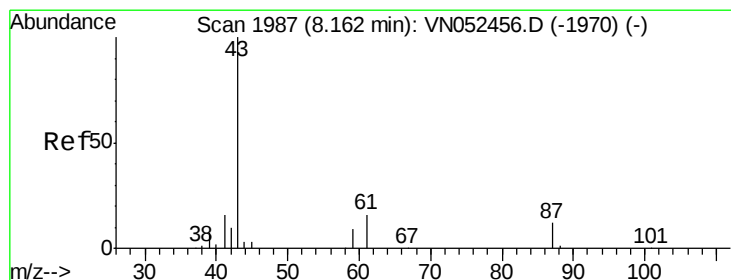
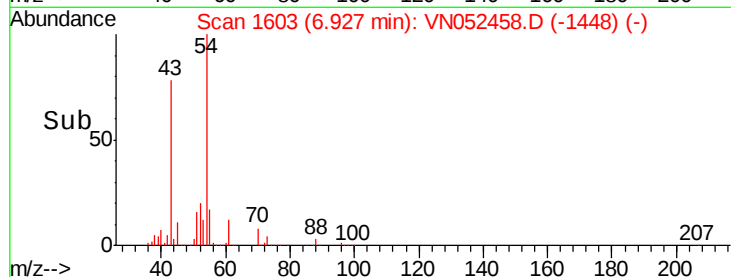
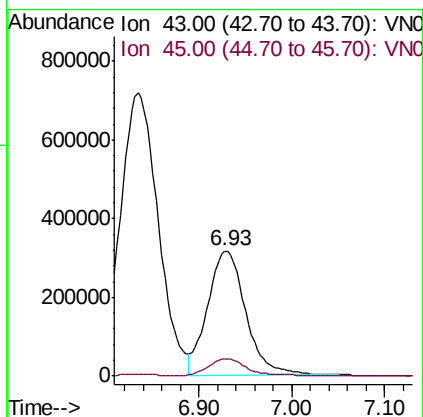
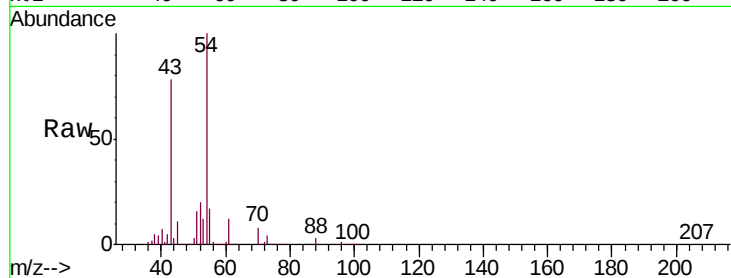




#43  
Ethyl Acetate  
Concen: 49.036 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

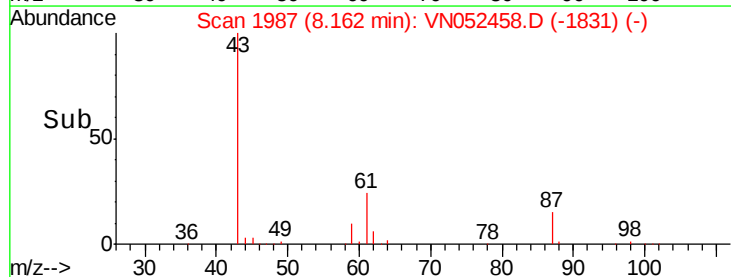
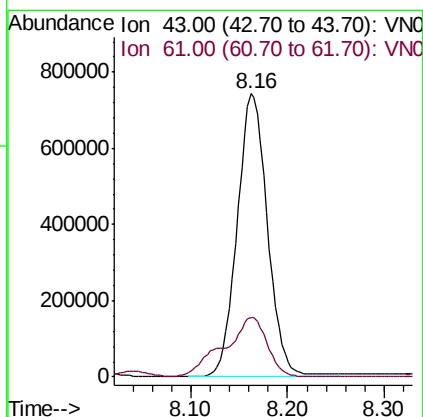
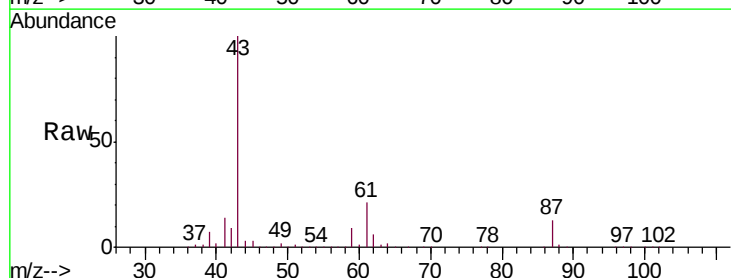
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

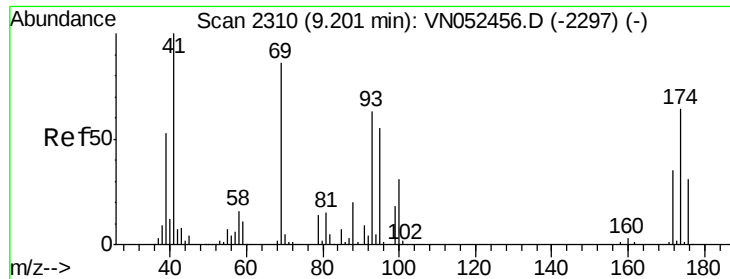
Tgt Ion: 43 Resp: 902910  
Ion Ratio Lower Upper  
43 100  
45 14.7 1.0 1.6#



#44  
Isopropyl Acetate  
Concen: 104.854 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 1618568  
Ion Ratio Lower Upper  
43 100  
61 29.9 16.0 24.0#

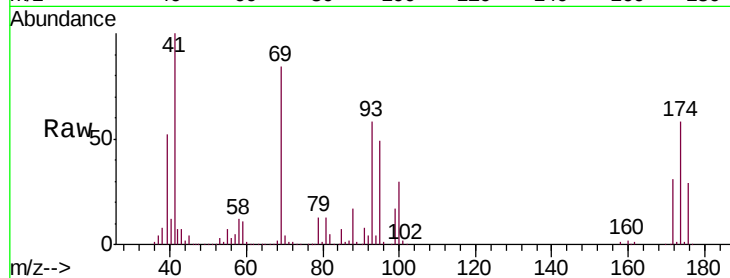




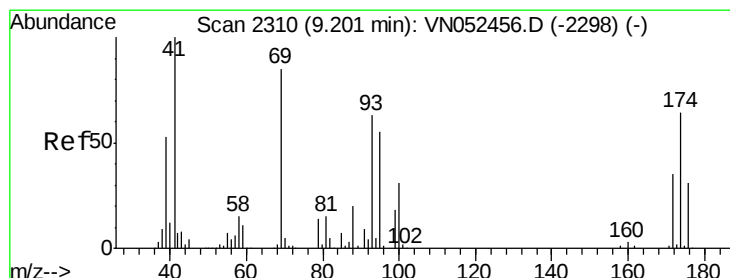
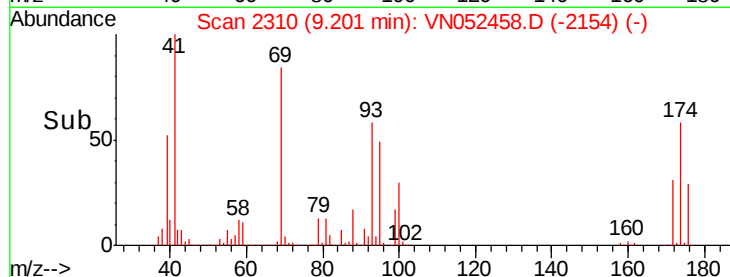
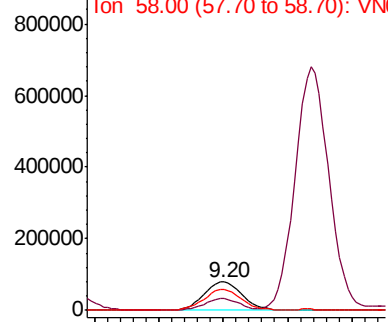
#45  
 1,4-Dioxane  
 Concen: 1967.585 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 88 Resp: 166156  
 Ion Ratio Lower Upper  
 88 100  
 43 35.3 29.5 44.3  
 58 71.5 61.5 92.3

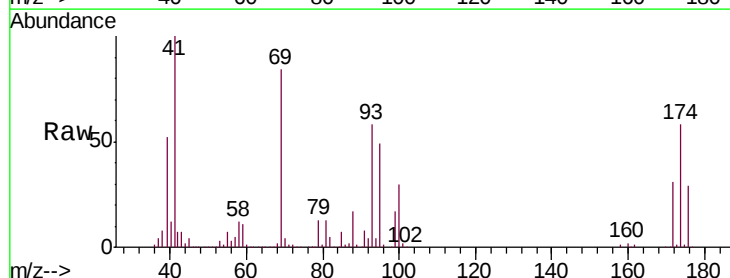


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

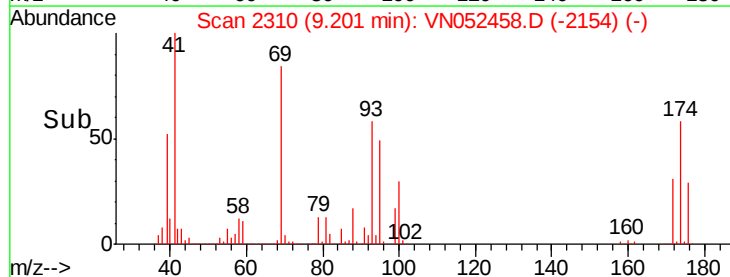
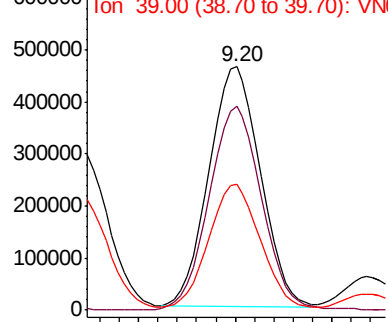


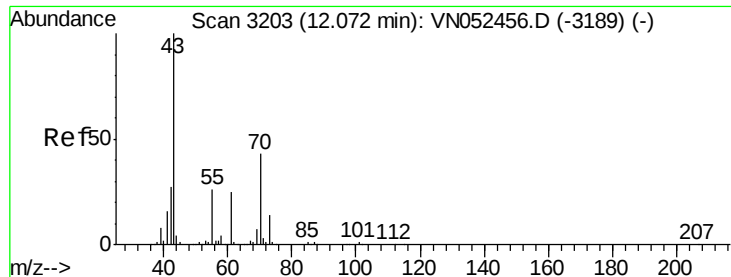
#46  
 Methyl methacrylate  
 Concen: 106.323 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 41 Resp: 852160  
 Ion Ratio Lower Upper  
 41 100  
 69 84.3 42.5 127.6  
 39 51.2 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN0  
 Ion 69.00 (68.70 to 69.70): VN0  
 Ion 39.00 (38.70 to 39.70): VN0

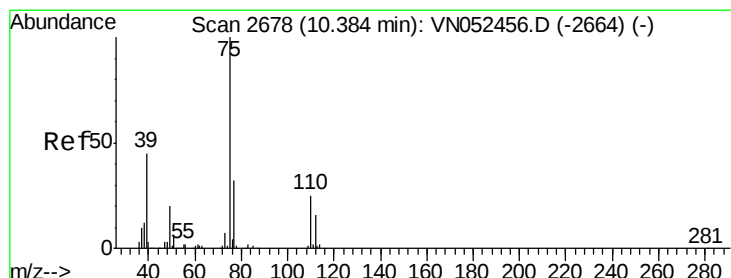
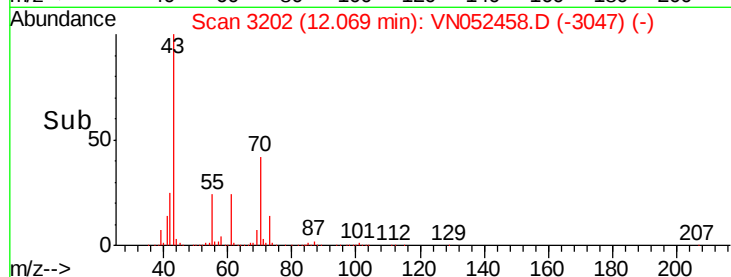
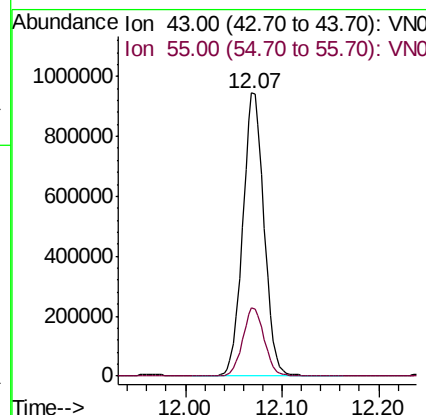
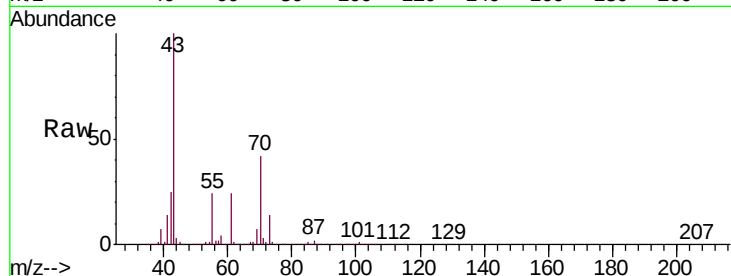




#47  
n-amy1 Acetate  
Concen: 112.449 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

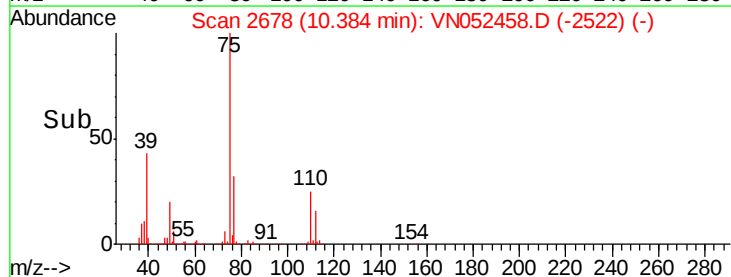
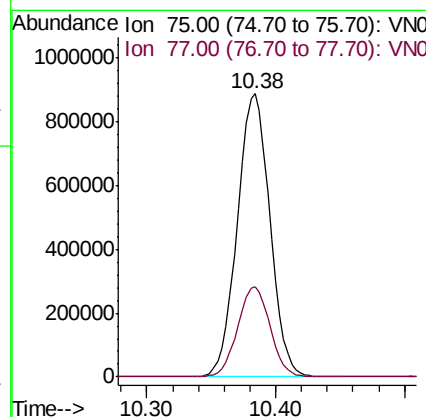
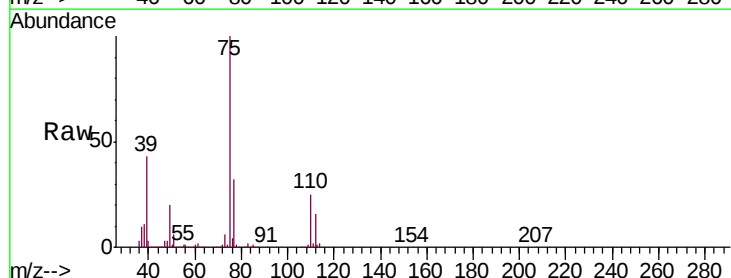
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC100

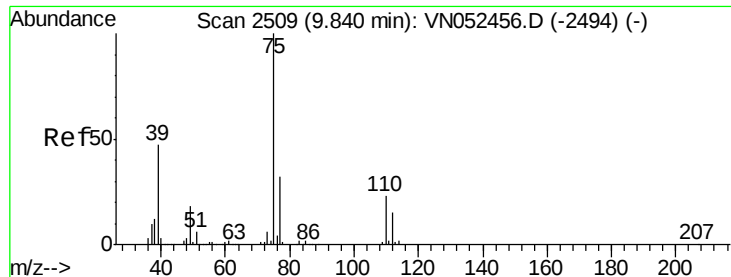
Tgt Ion: 43 Resp: 1439207  
Ion Ratio Lower Upper  
43 100  
55 24.5 21.1 31.7



#48  
t-1,3-Dichloropropene  
Concen: 108.100 ug/l  
RT: 10.38 min Scan# 2678  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 75 Resp: 1560121  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.6 38.4



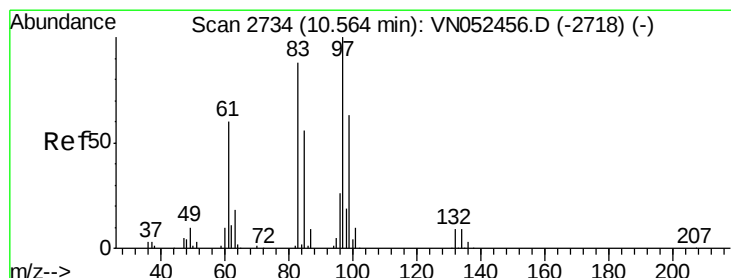
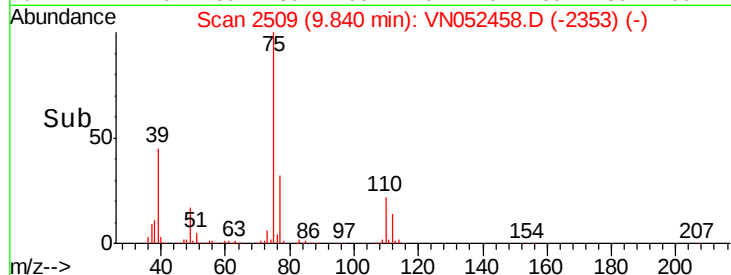
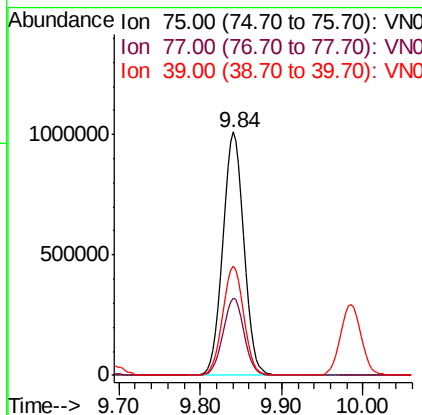
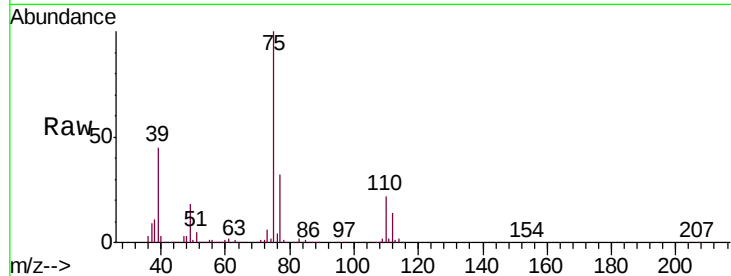


#49

cis-1,3-Dichloropropene  
 Concen: 105.562 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

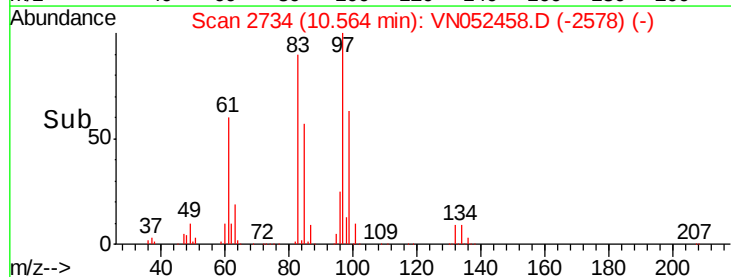
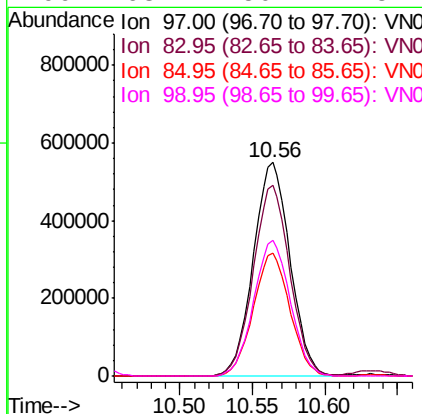
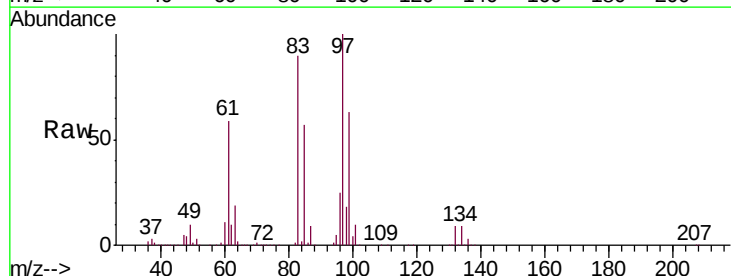
Tgt Ion: 75 Resp: 1856137  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.4 38.0  
 39 44.9 37.3 55.9

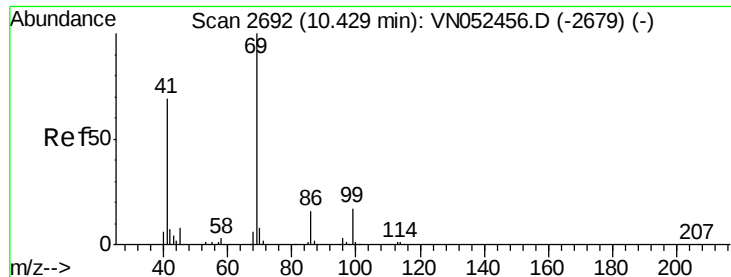


#50

1,1,2-Trichloroethane  
 Concen: 101.837 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 97 Resp: 972506  
 Ion Ratio Lower Upper  
 97 100  
 83 89.5 70.4 105.6  
 85 57.5 45.0 67.6  
 99 63.4 50.2 75.2





#51

Ethyl methacrylate

Concen: 107.735 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

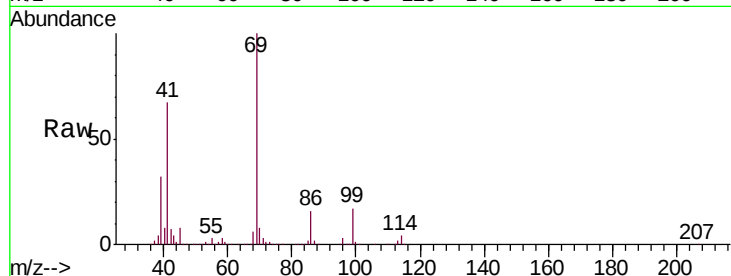
Tgt Ion: 69 Resp: 1292156

Ion Ratio Lower Upper

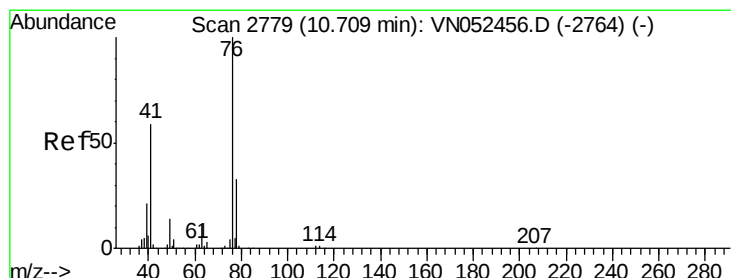
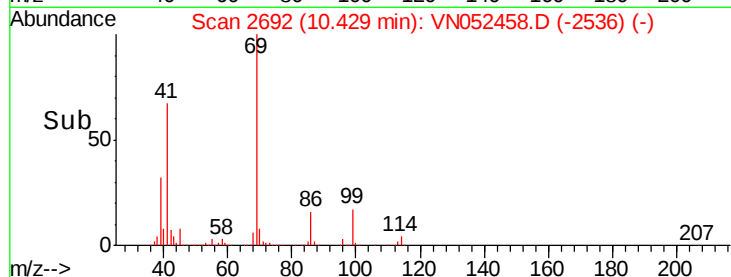
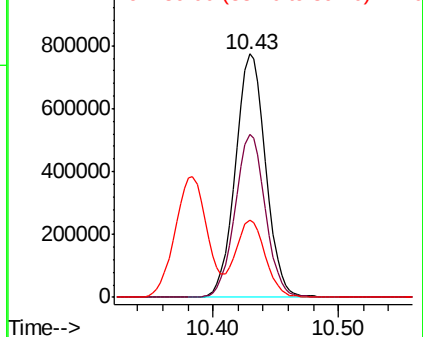
69 100

41 66.9 34.4 103.3

39 31.7 16.4 49.2



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



#52

1,3-Dichloropropane

Concen: 102.176 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052458.D

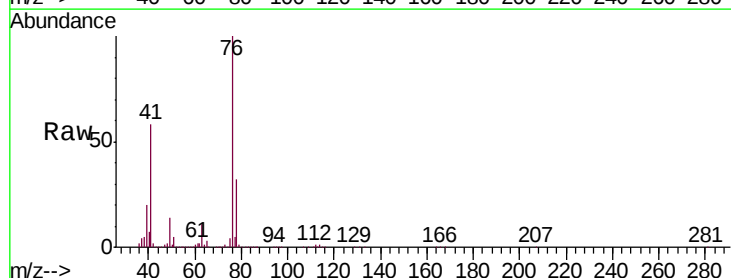
Acq: 26 Nov 2018 14:13

Tgt Ion: 76 Resp: 1736786

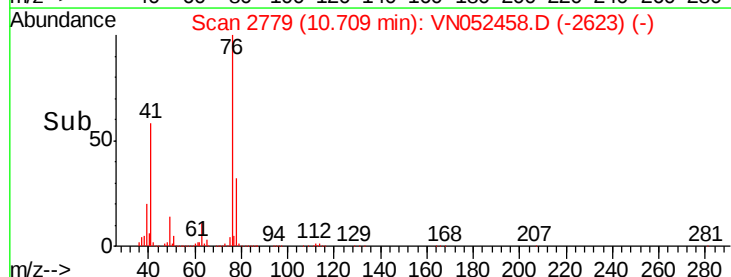
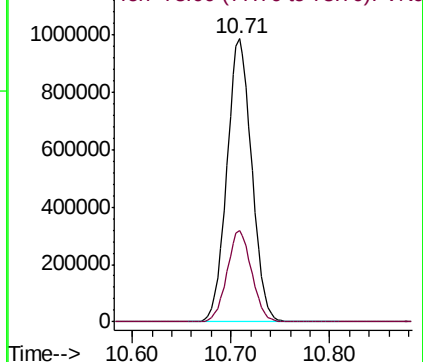
Ion Ratio Lower Upper

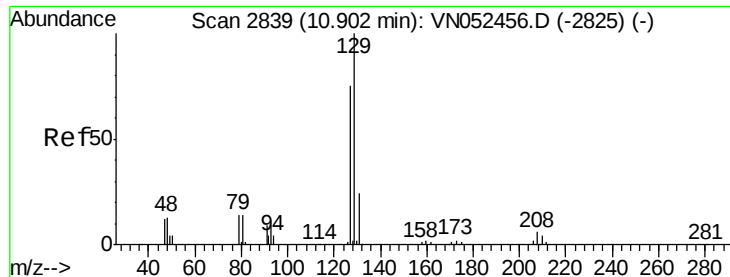
76 100

78 32.1 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0  
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 104.512 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

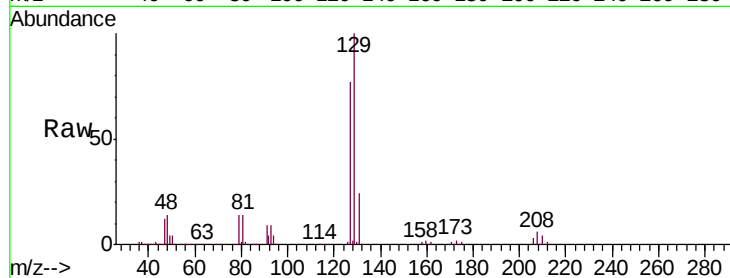
VSTDIC100

Tgt Ion:129 Resp: 1098805

Ion Ratio Lower Upper

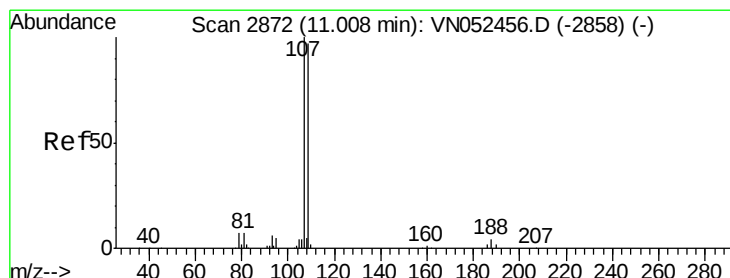
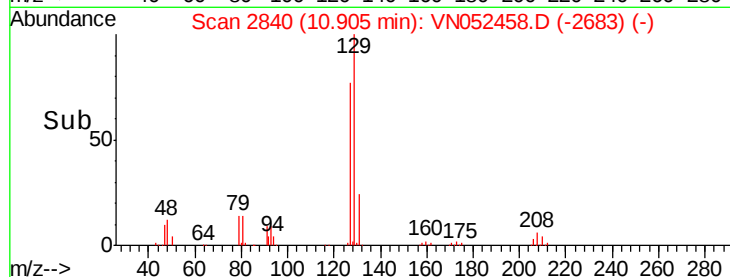
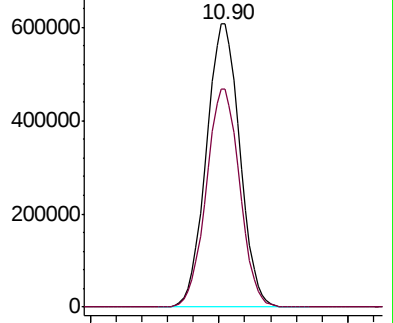
129 100

127 76.8 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 104.516 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052458.D

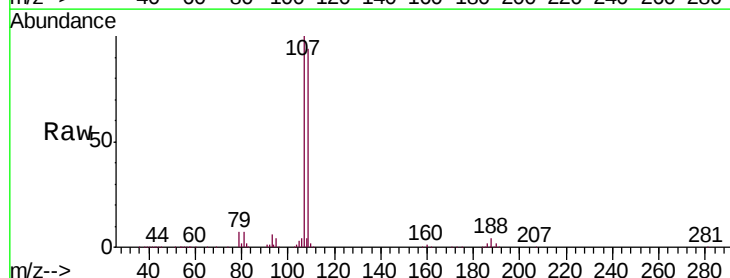
Acq: 26 Nov 2018 14:13

Tgt Ion:107 Resp: 975295

Ion Ratio Lower Upper

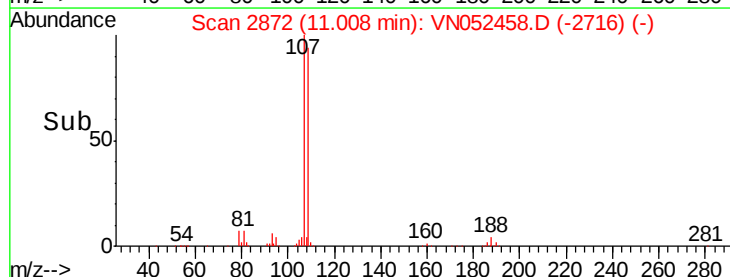
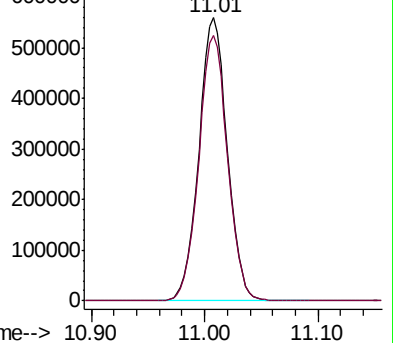
107 100

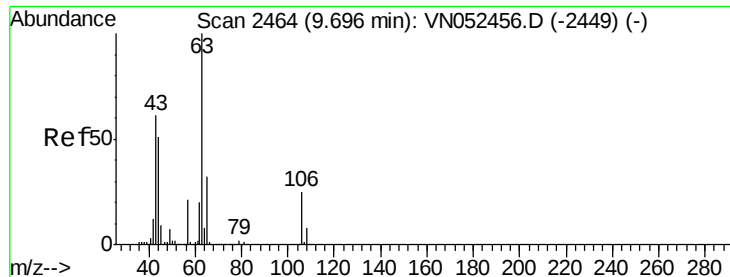
109 94.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 534.397 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

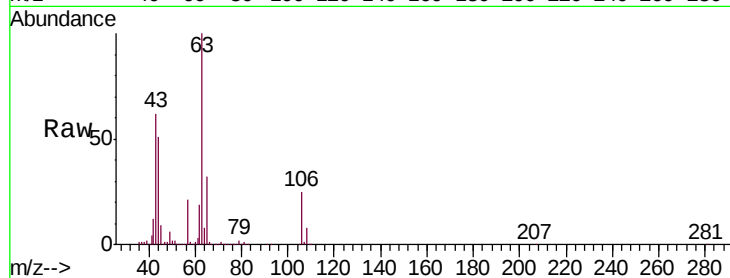
Tgt Ion: 63 Resp: 3751795

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

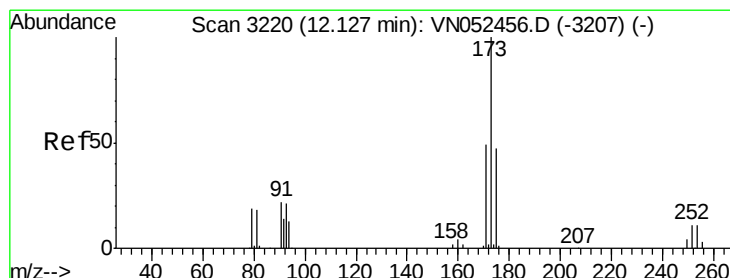
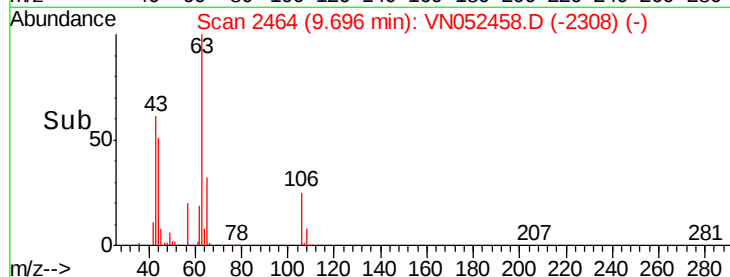
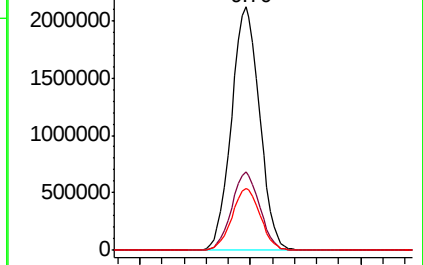
106 25.4 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052456.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052456.D (-2449) (-)



#56

Bromoform

Concen: 106.403 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

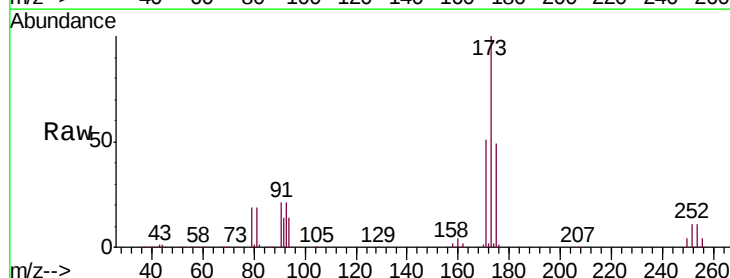
Tgt Ion: 173 Resp: 731217

Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

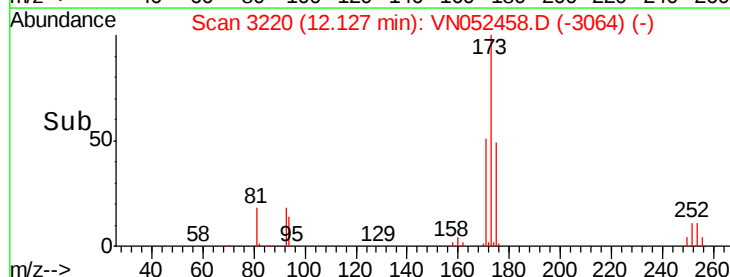
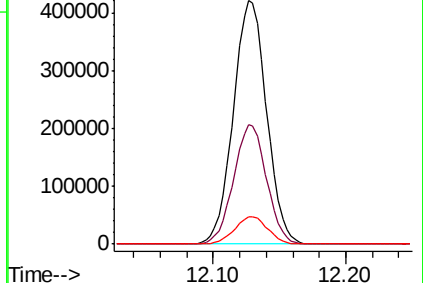
254 11.2 8.4 12.6

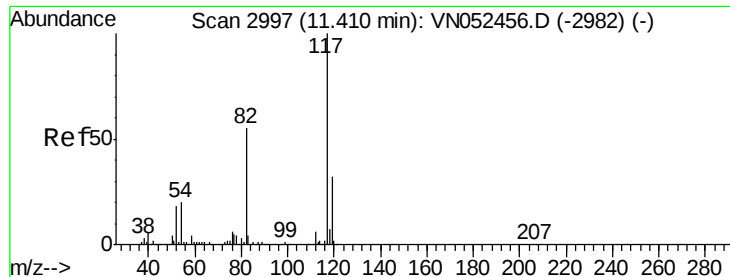


Abundance Ion 173.00 (172.70 to 173.70): VN052456.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN052456.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN052456.D (-3207) (-)

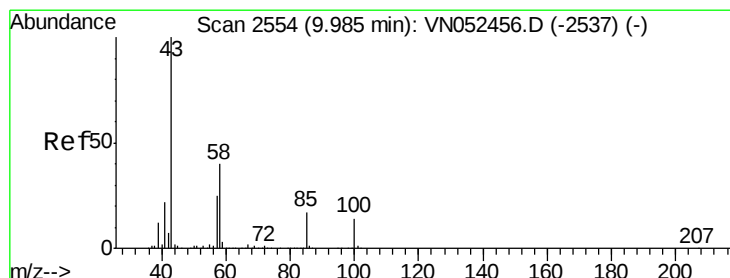
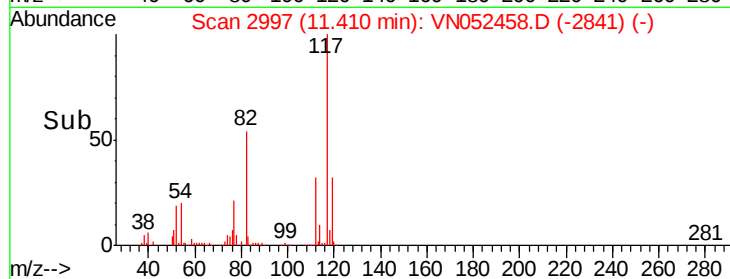
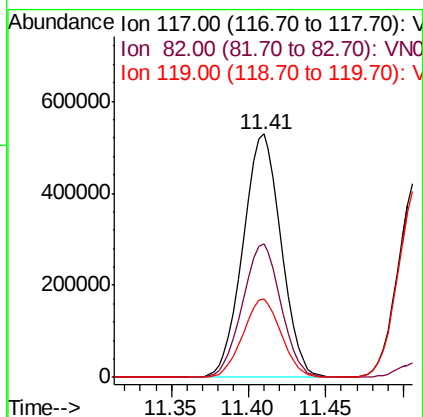
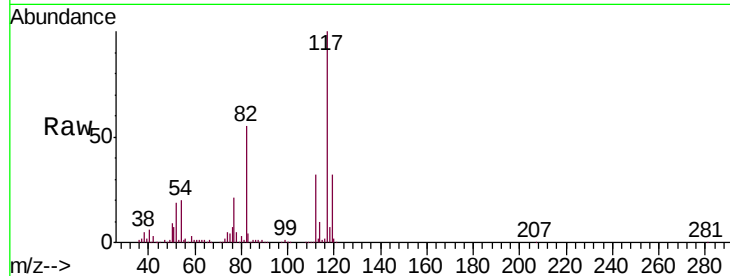




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

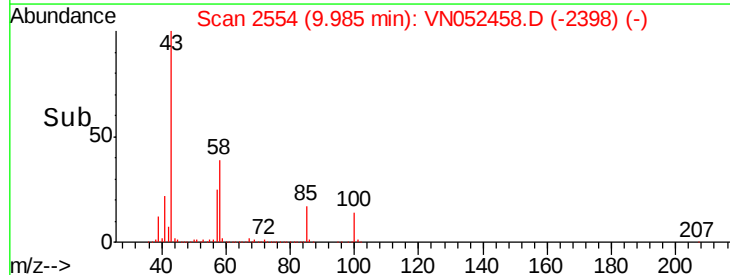
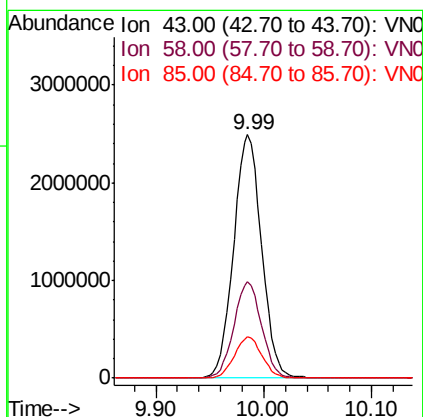
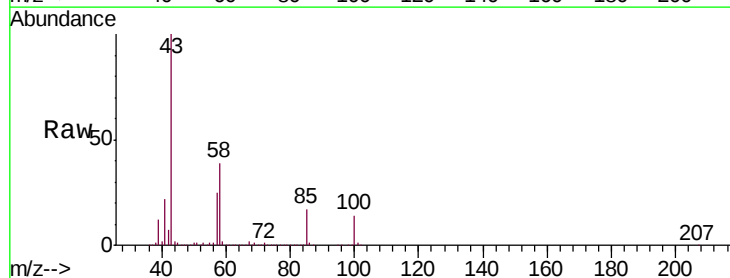
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

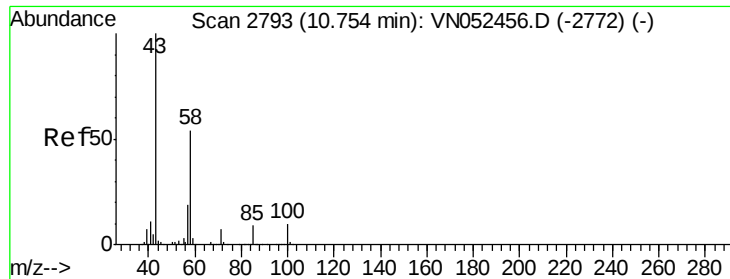
Tgt Ion: 117 Resp: 909002  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.2 66.2  
119 32.3 25.4 38.2



#58  
4-Methyl-2-Pentanone  
Concen: 510.029 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 4494646  
Ion Ratio Lower Upper  
43 100  
58 39.2 31.6 47.4  
85 16.8 13.3 19.9

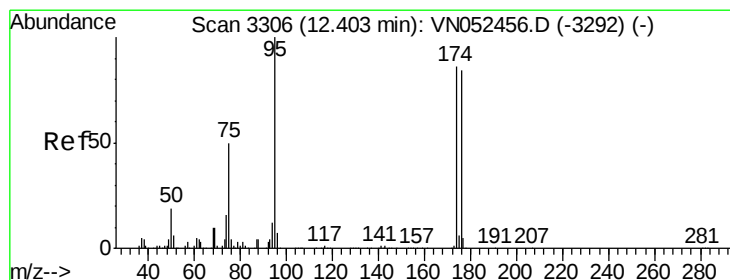
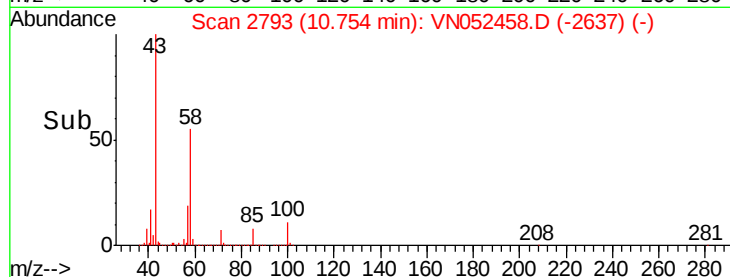
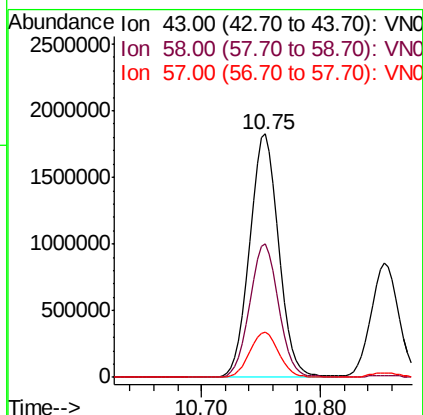
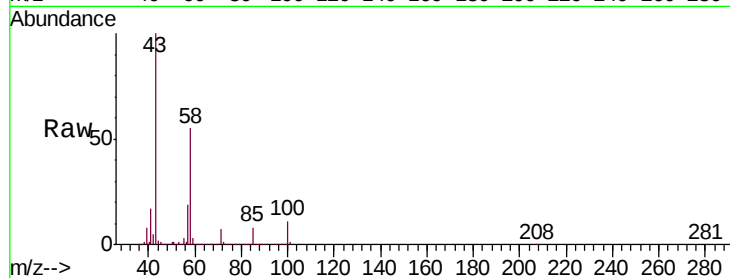




#59  
2-Hexanone  
Concen: 511.463 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

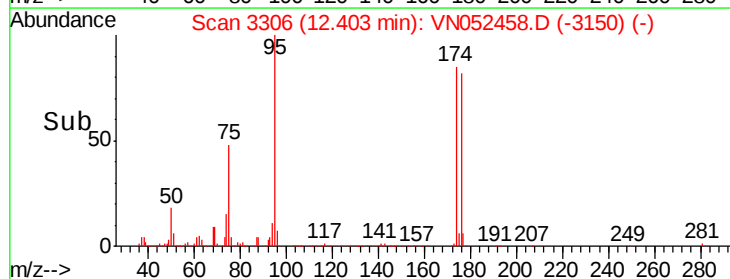
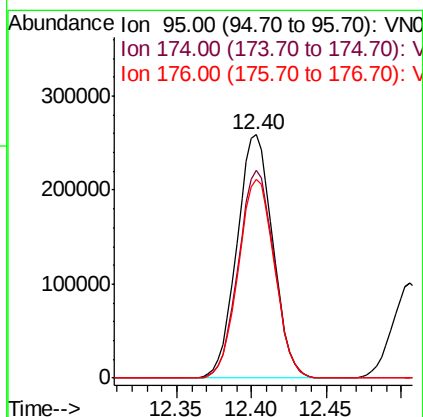
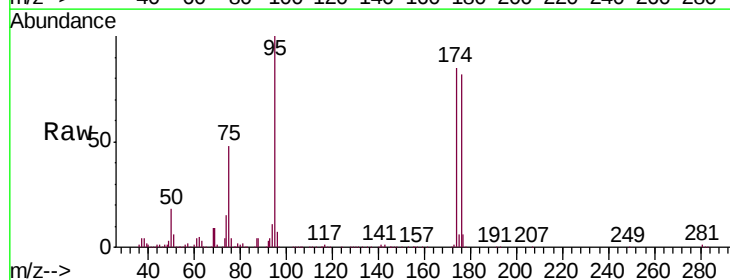
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

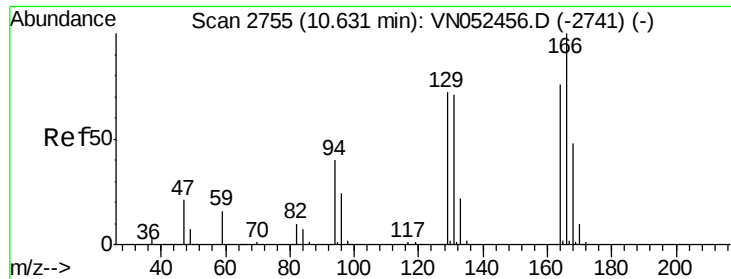
Tgt Ion: 43 Resp: 3078987  
Ion Ratio Lower Upper  
43 100  
58 54.8 43.2 64.8  
57 18.7 14.9 22.3



#60  
4-Bromofluorobenzene  
Concen: 511.463 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 95 Resp: 432902  
Ion Ratio Lower Upper  
95 100  
174 85.2 67.9 101.9  
176 82.4 66.4 99.6





#61

Tetrachloroethene

Concen: 98.818 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 1106312

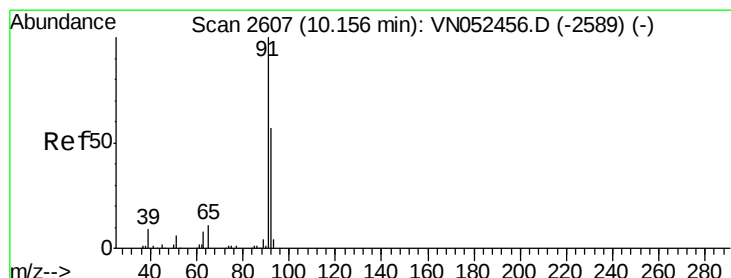
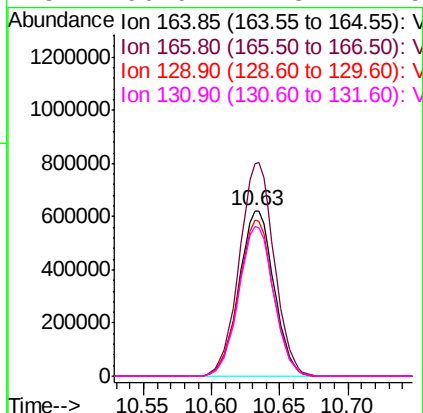
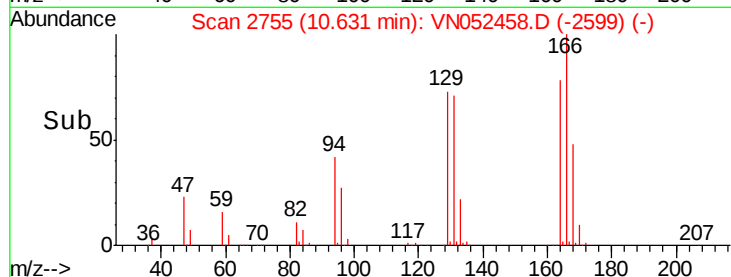
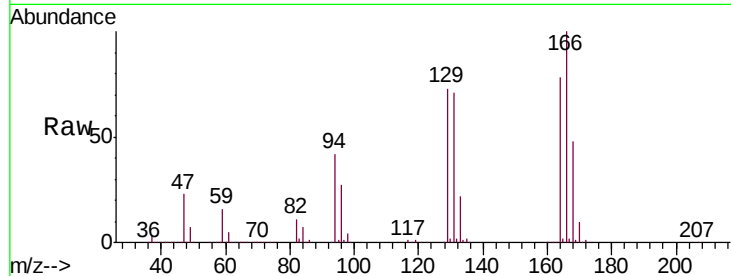
Ion Ratio Lower Upper

164 100

166 128.5 104.6 157.0

129 94.3 75.3 112.9

131 90.9 74.3 111.5



#62

Toluene

Concen: 100.579 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052458.D

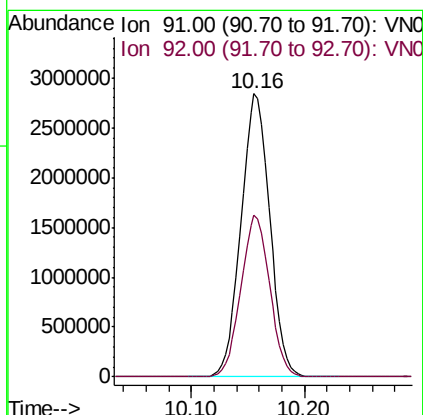
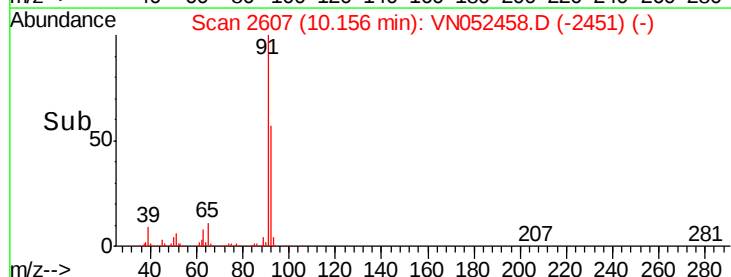
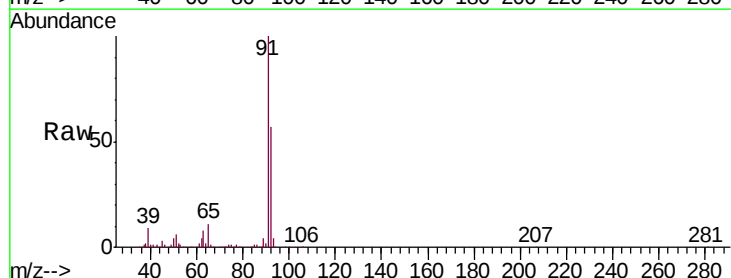
Acq: 26 Nov 2018 14:13

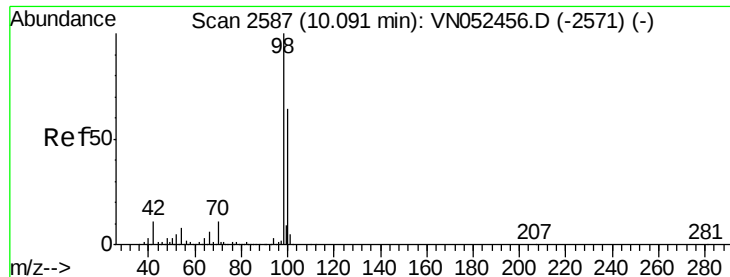
Tgt Ion: 91 Resp: 5040062

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2





#63

Toluene-d8

Concen: 100.579 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

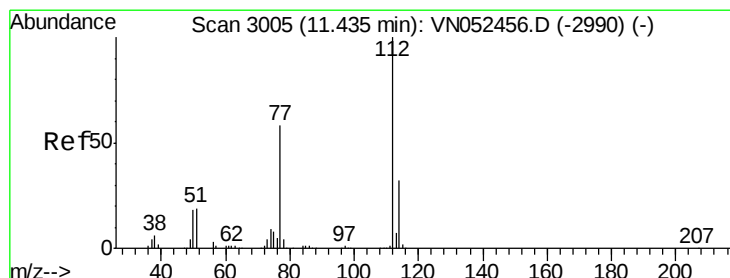
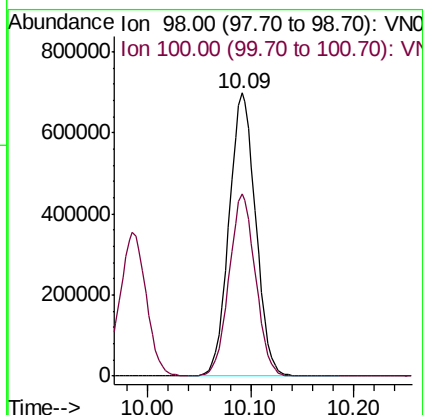
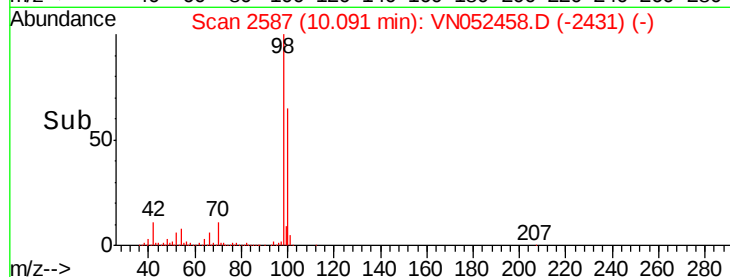
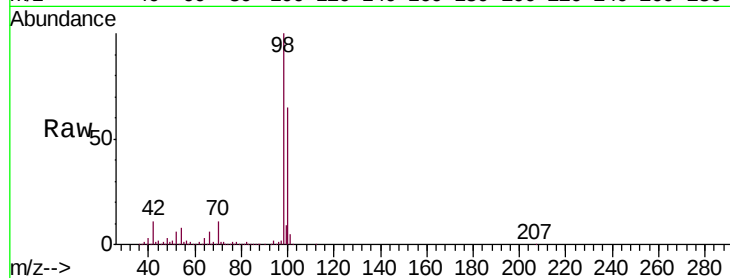
VSTDICC100

Tgt Ion: 98 Resp: 1253465

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#64

Chlorobenzene

Concen: 102.097 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052458.D

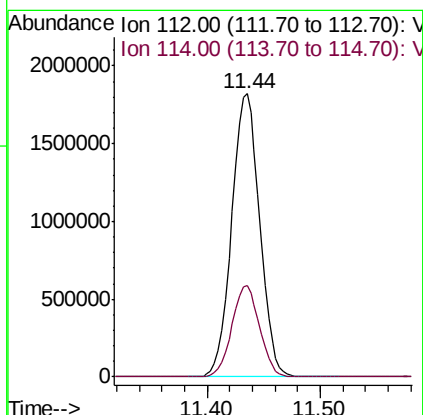
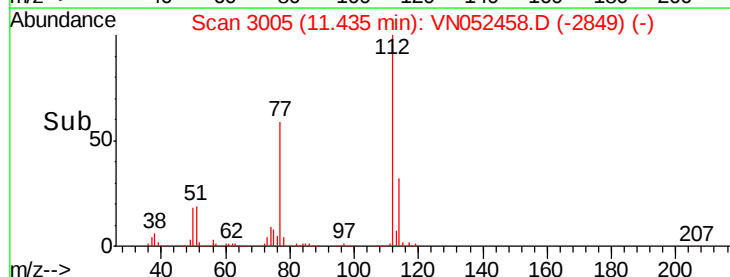
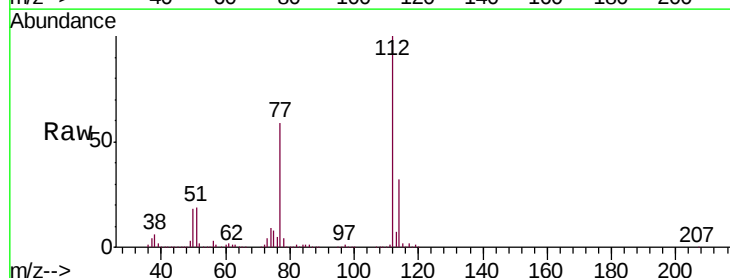
Acq: 26 Nov 2018 14:13

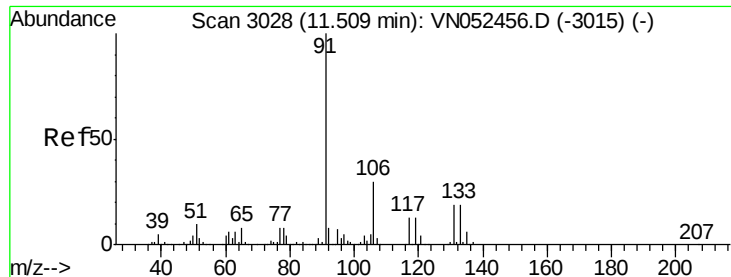
Tgt Ion: 112 Resp: 3122729

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 102.901 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

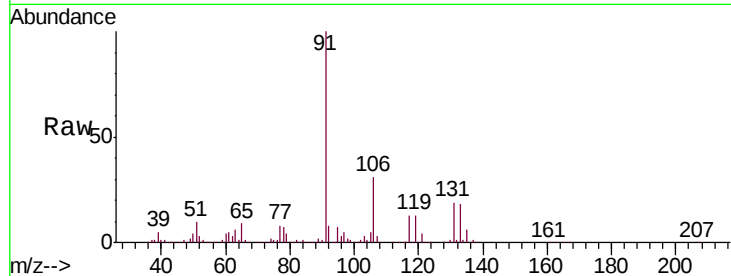
Tgt Ion:131 Resp: 1092460

Ion Ratio Lower Upper

131 100

133 95.0 0.0 193.4

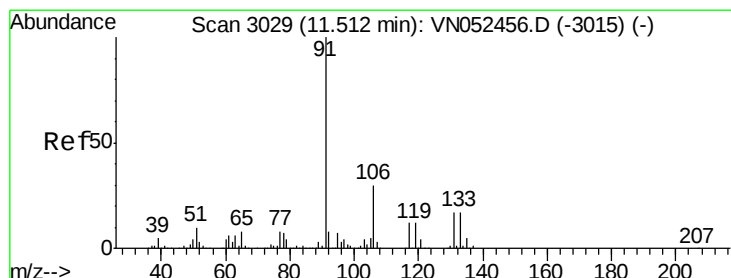
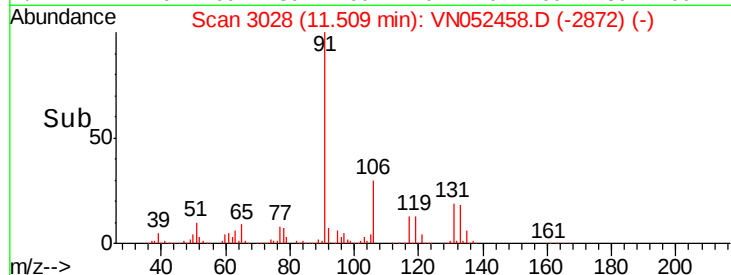
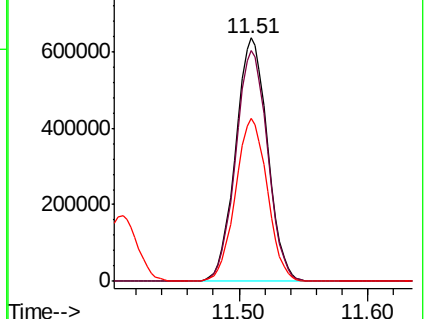
119 66.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 103.617 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052458.D

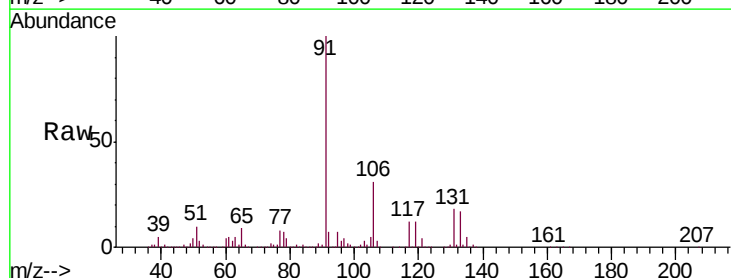
Acq: 26 Nov 2018 14:13

Tgt Ion: 91 Resp: 5596140

Ion Ratio Lower Upper

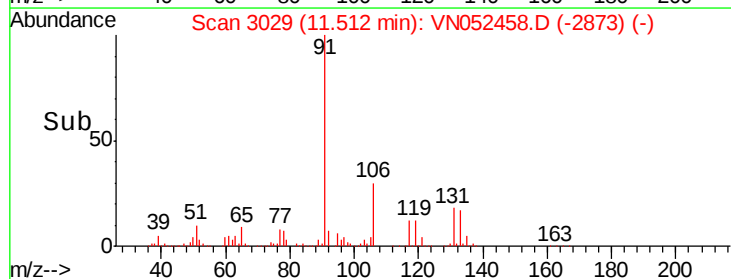
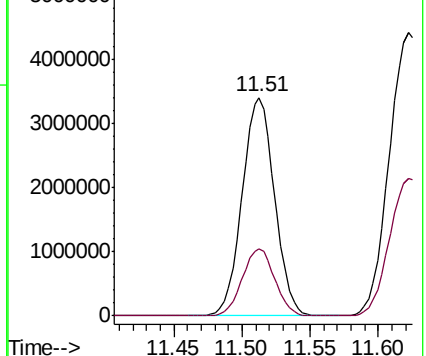
91 100

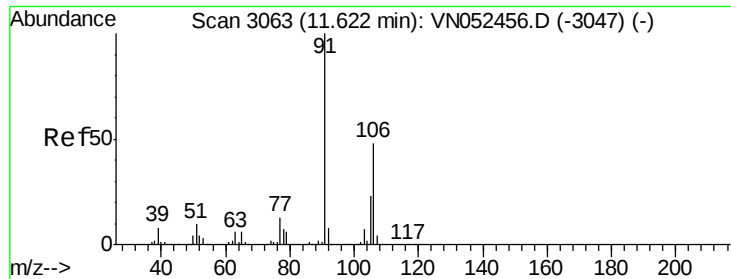
106 30.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

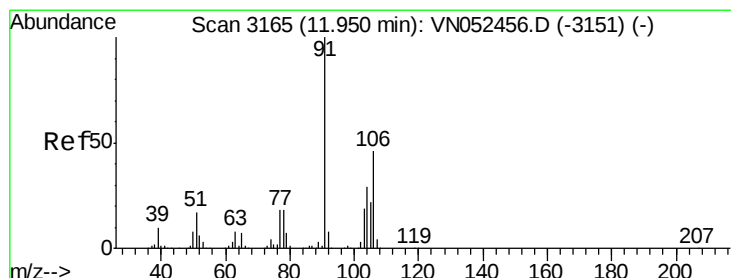
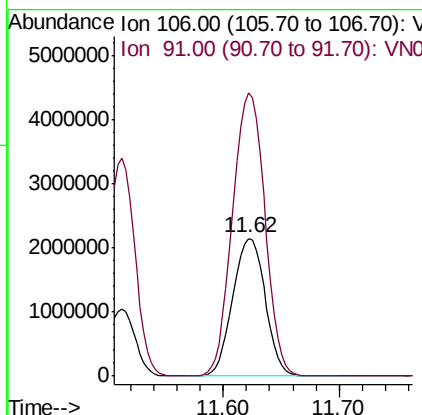
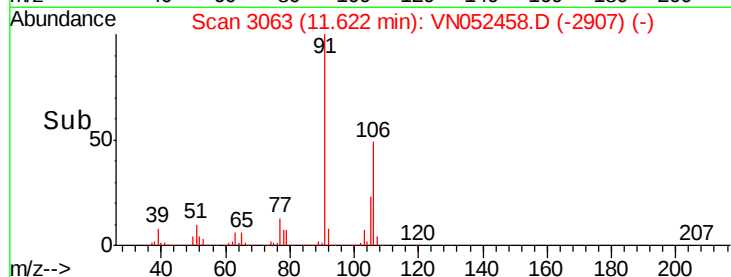
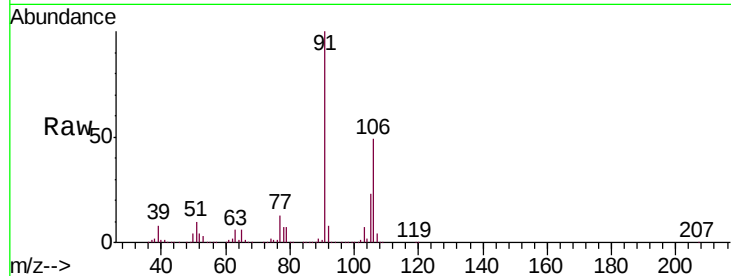




#67  
m/p-Xylenes  
Concen: 206.744 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

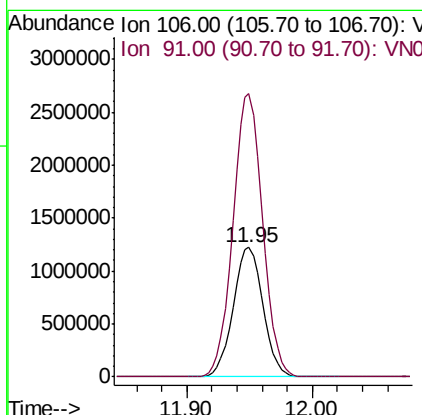
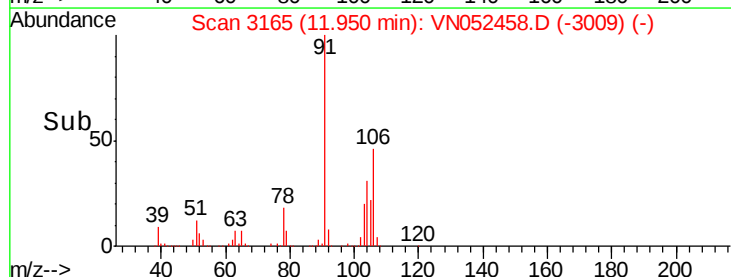
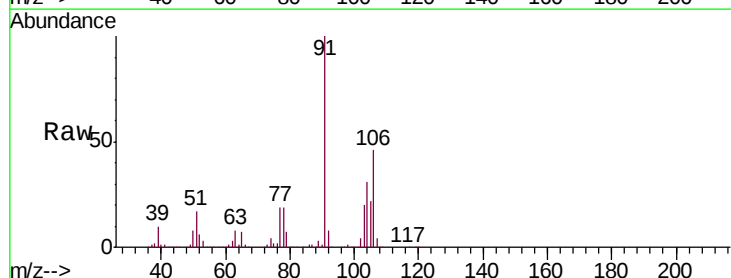
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

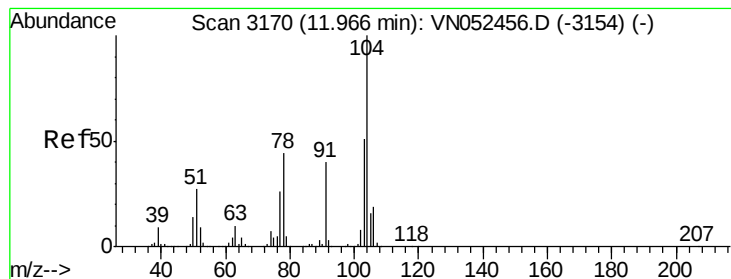
Tgt Ion:106 Resp: 4159865  
Ion Ratio Lower Upper  
106 100  
91 205.6 163.9 245.9



#68  
o-Xylene  
Concen: 103.367 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion:106 Resp: 2018676  
Ion Ratio Lower Upper  
106 100  
91 216.9 107.8 323.4





#69

Styrene

Concen: 106.168 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

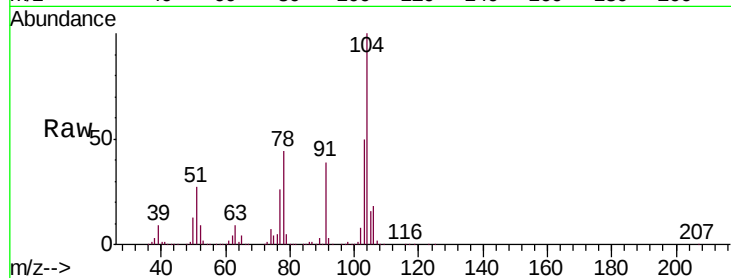
Tgt Ion:104 Resp: 3346597

Ion Ratio Lower Upper

104 100

78 49.3 39.3 58.9

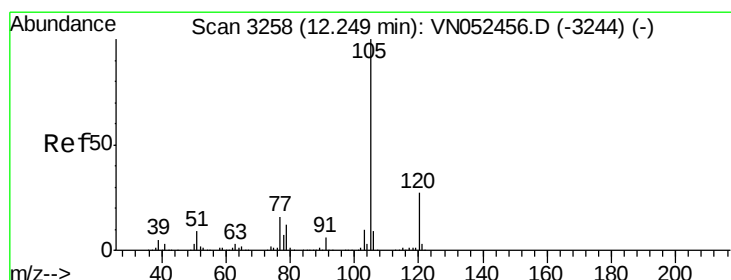
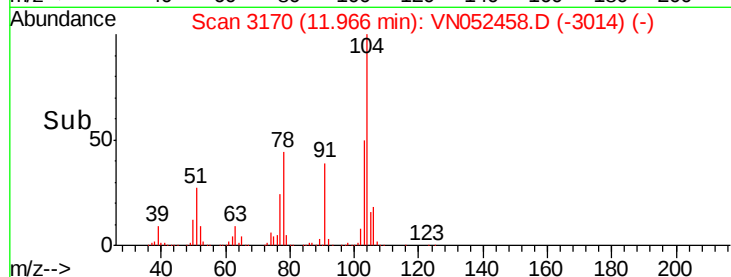
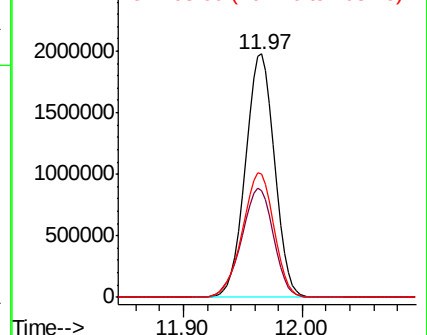
103 55.4 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 104.115 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052458.D

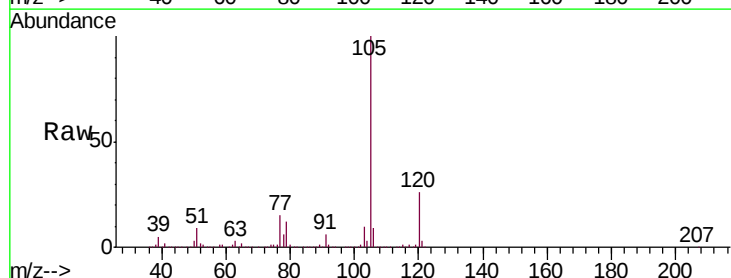
Acq: 26 Nov 2018 14:13

Tgt Ion:105 Resp: 5409942

Ion Ratio Lower Upper

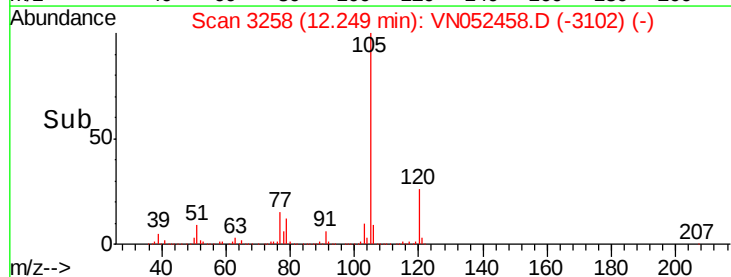
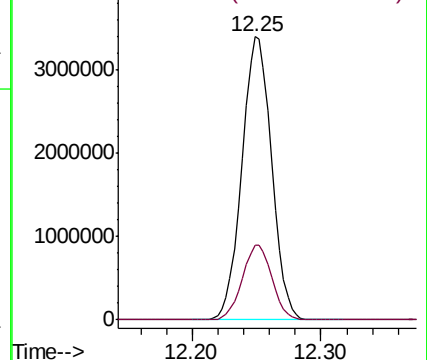
105 100

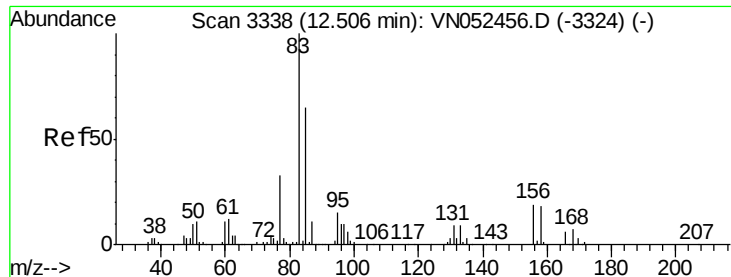
120 26.4 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 102.285 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

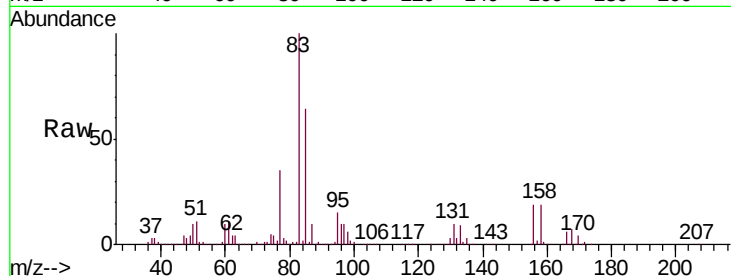
MSVOA\_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1156142

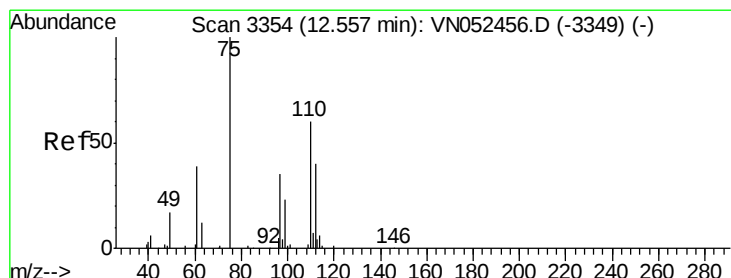
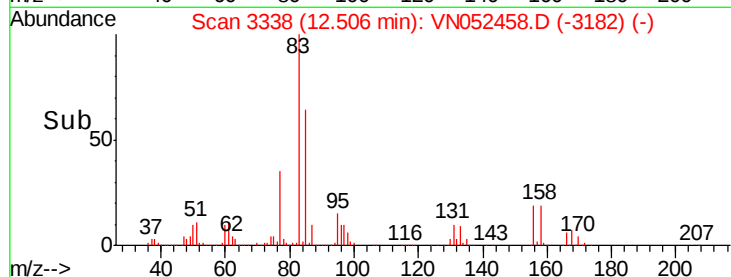
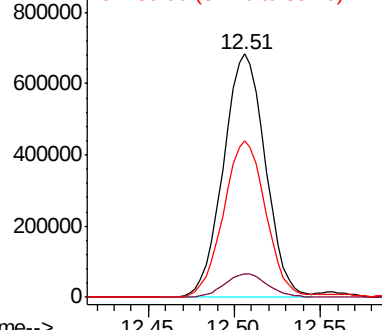
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.1  | 4.9   | 14.6  |
| 85  | 64.6  | 32.2  | 96.6  |



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 158.350 ug/l

RT: 12.55 min Scan# 3353

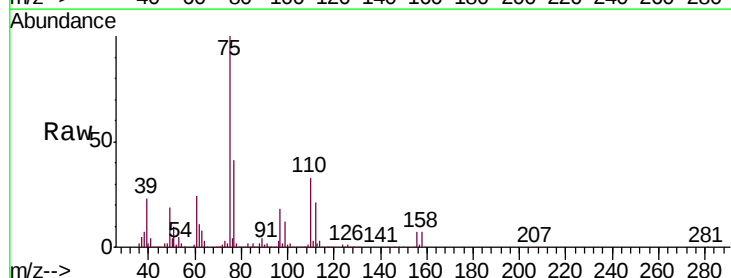
Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

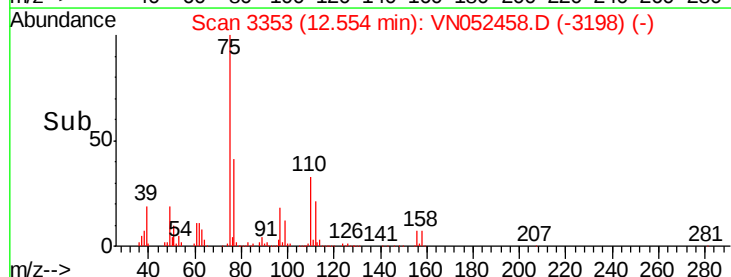
Tgt Ion: 75 Resp: 1494651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 166.2 | 0.0   | 514.8 |

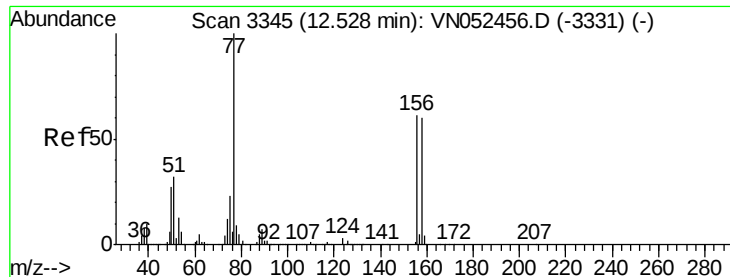


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#73

Bromobenzene

Concen: 105.449 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

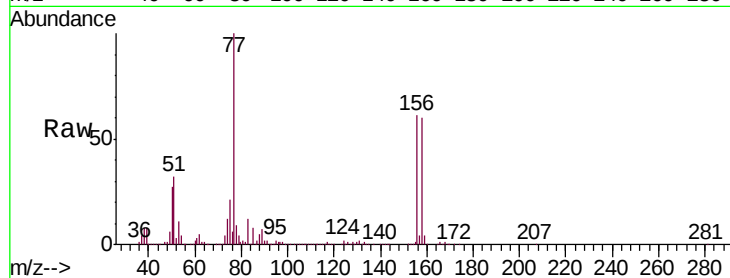
Tgt Ion:156 Resp: 1325194

Ion Ratio Lower Upper

156 100

77 187.4 0.0 382.6

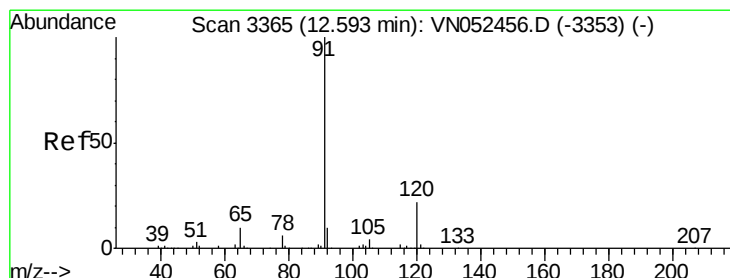
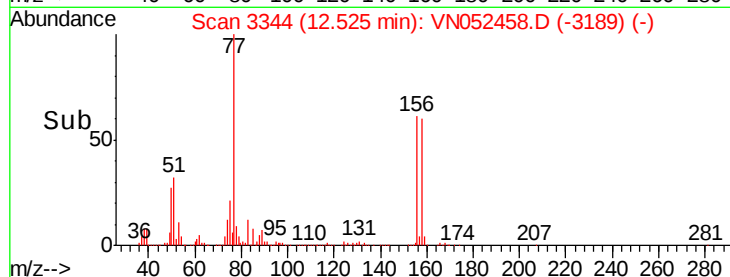
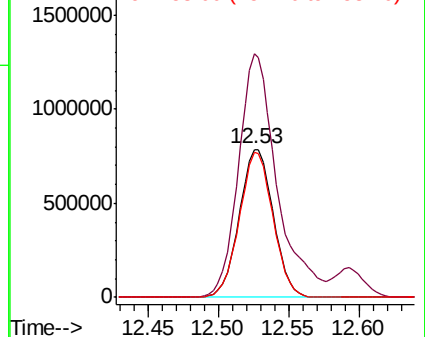
158 97.2 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 104.900 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052458.D

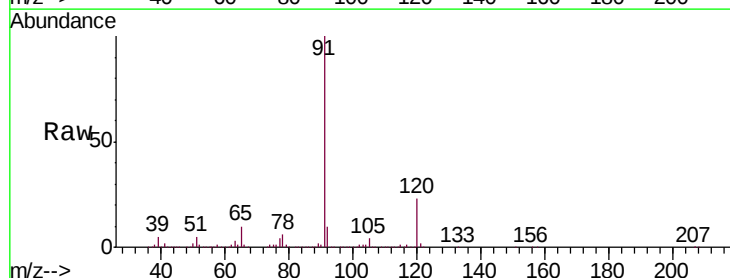
Acq: 26 Nov 2018 14:13

Tgt Ion: 91 Resp: 6350877

Ion Ratio Lower Upper

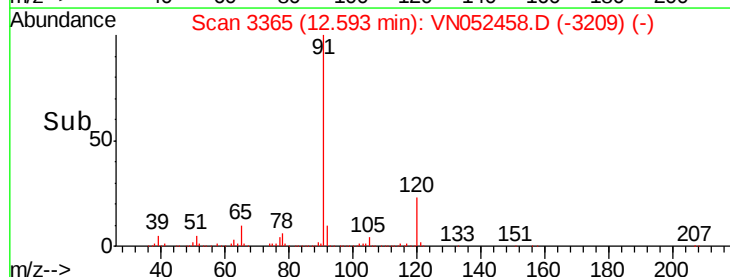
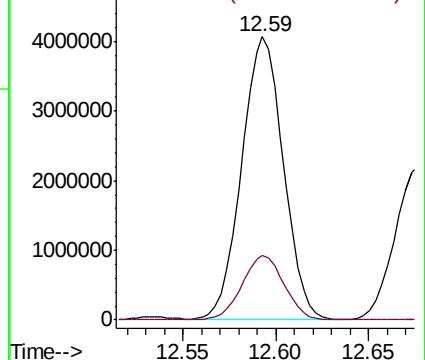
91 100

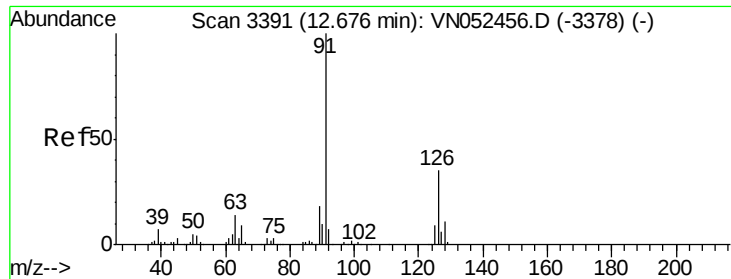
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 103.868 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

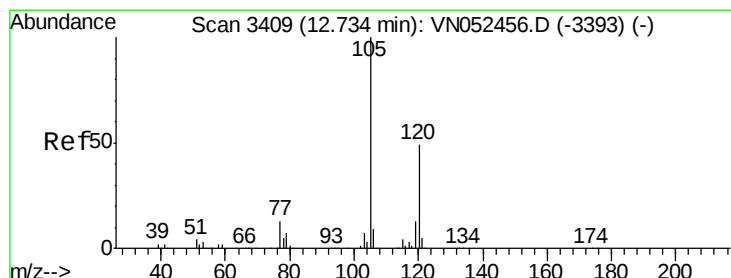
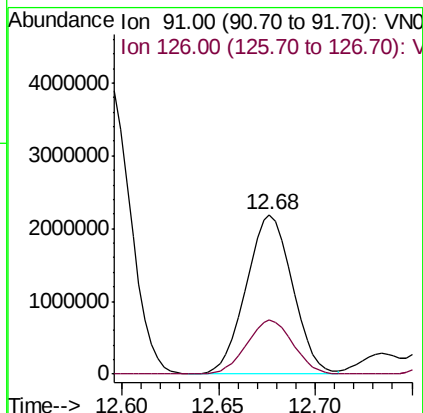
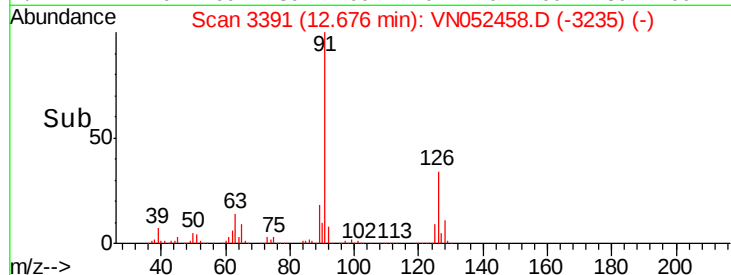
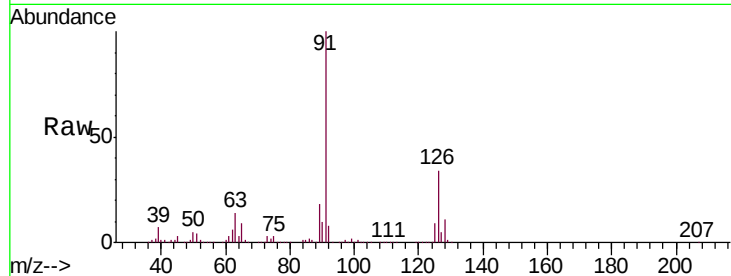
VSTDIC100

Tgt Ion: 91 Resp: 3650058

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 103.471 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052458.D

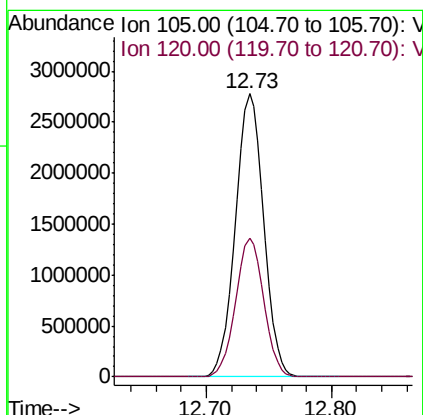
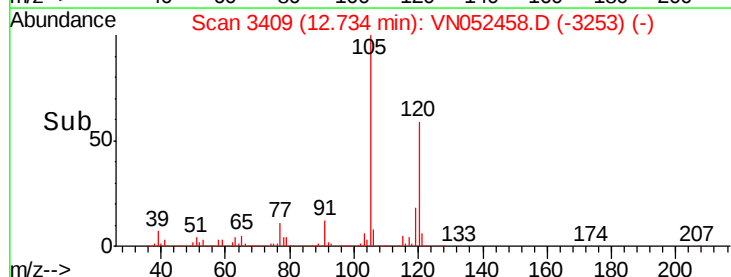
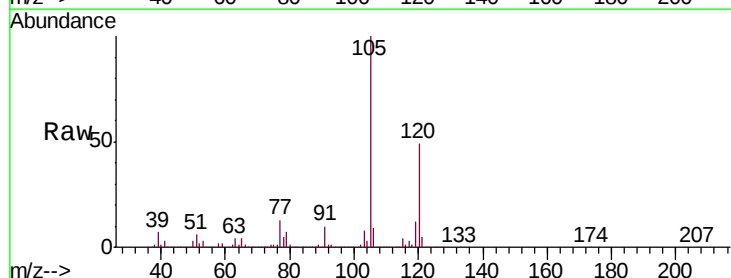
Acq: 26 Nov 2018 14:13

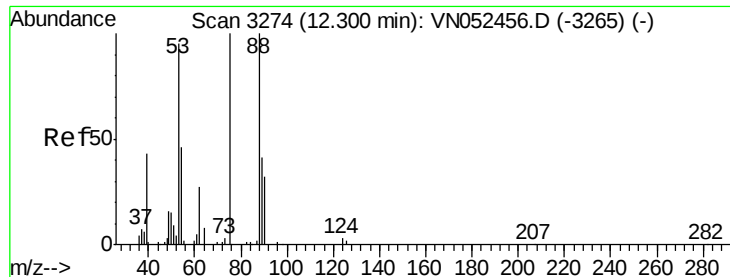
Tgt Ion: 105 Resp: 4342623

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 110.743 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC100

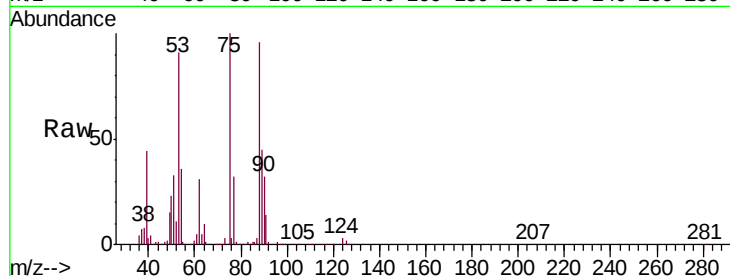
Tgt Ion: 75 Resp: 339442

Ion Ratio Lower Upper

75 100

53 91.4 48.5 145.6

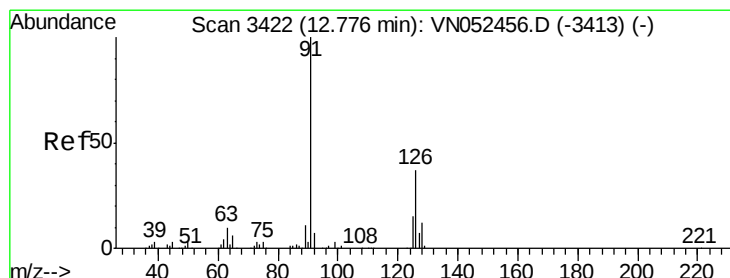
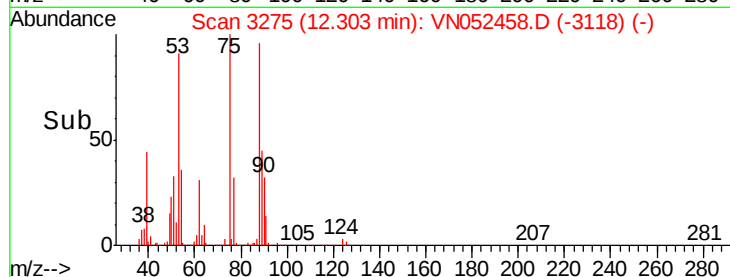
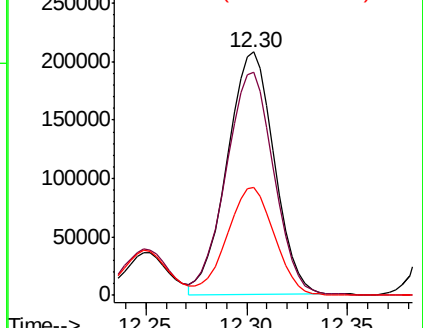
89 44.6 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 105.629 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052458.D

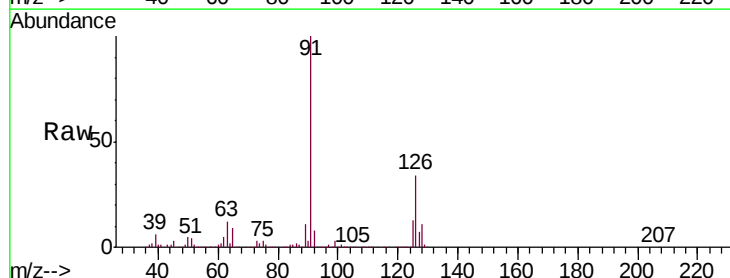
Acq: 26 Nov 2018 14:13

Tgt Ion: 91 Resp: 3706881

Ion Ratio Lower Upper

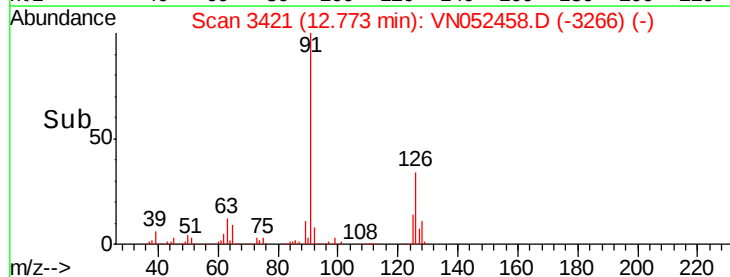
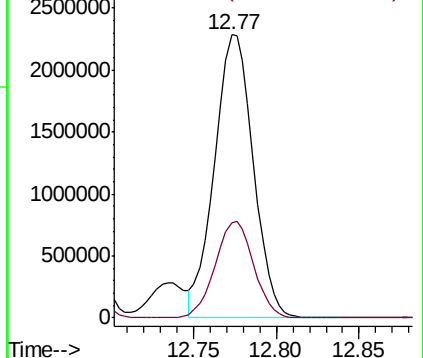
91 100

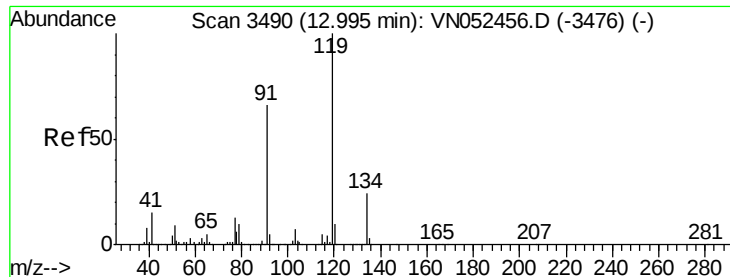
126 33.8 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

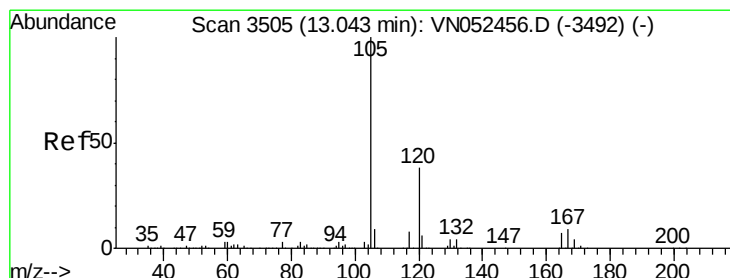
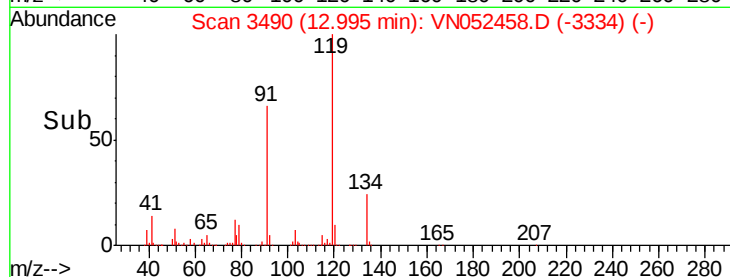
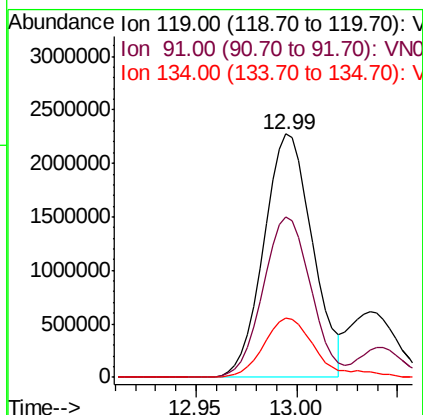
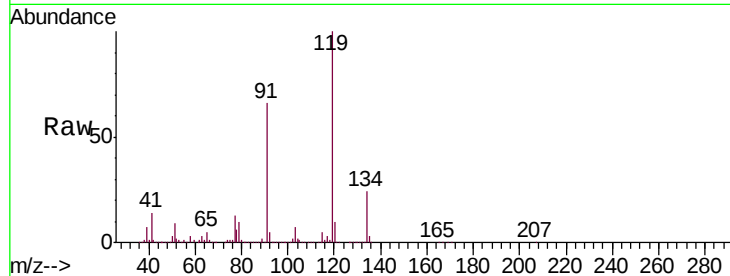




#79  
tert-butylbenzene  
Concen: 104.383 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

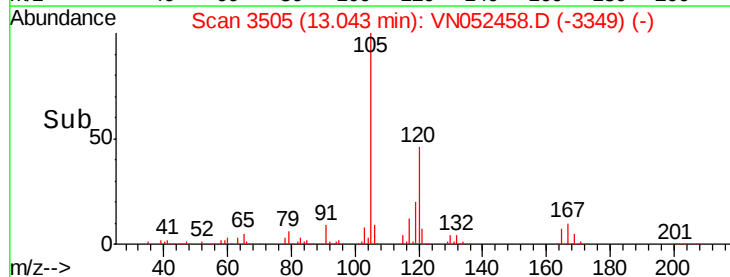
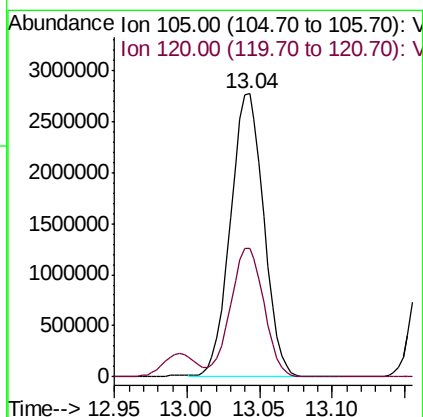
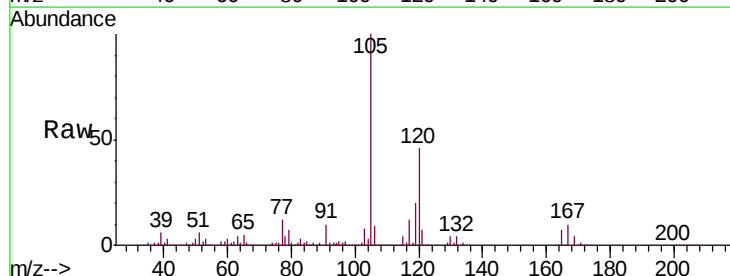
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

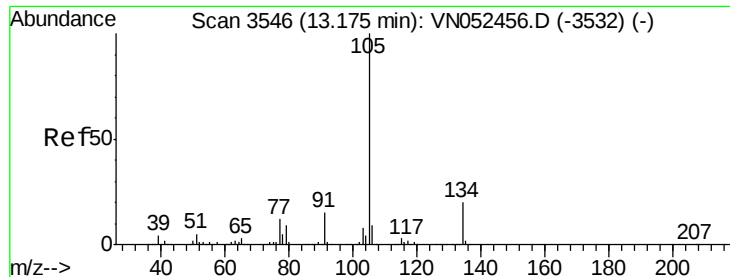
Tgt Ion:119 Resp: 3815274  
Ion Ratio Lower Upper  
119 100  
91 64.8 0.0 129.8  
134 24.6 0.0 52.2



#80  
1,2,4-Trimethylbenzene  
Concen: 105.155 ug/l  
RT: 13.04 min Scan# 3505  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion:105 Resp: 4416058  
Ion Ratio Lower Upper  
105 100  
120 45.4 0.0 91.0

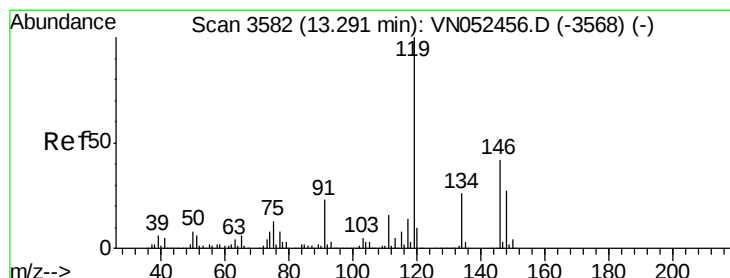
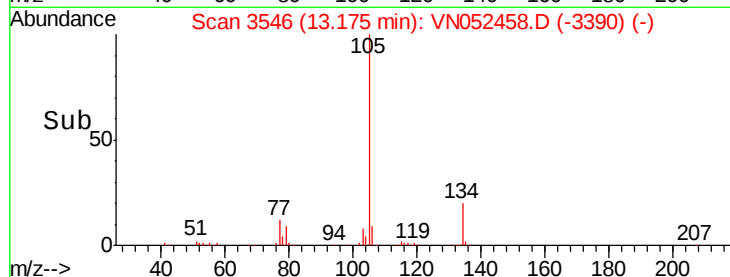
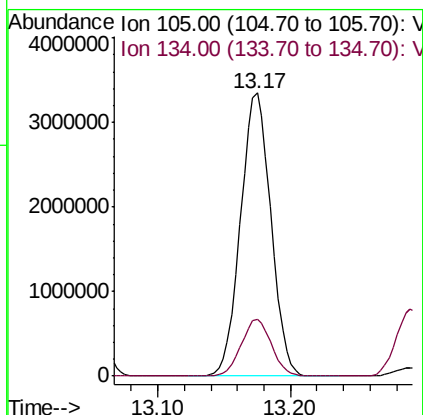
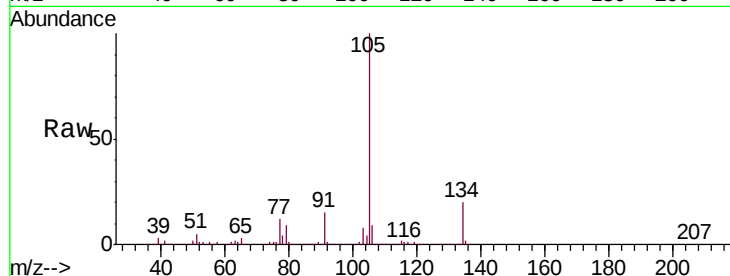




#81  
 sec-Butylbenzene  
 Concen: 104.359 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

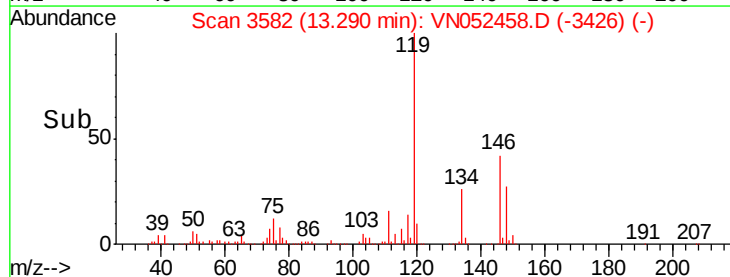
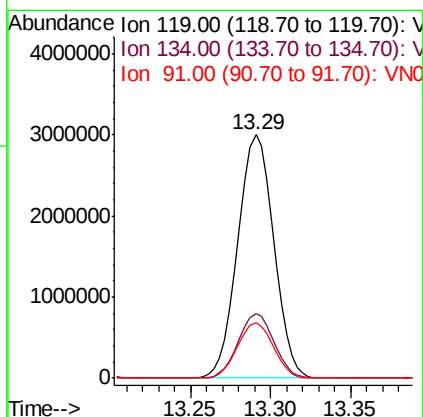
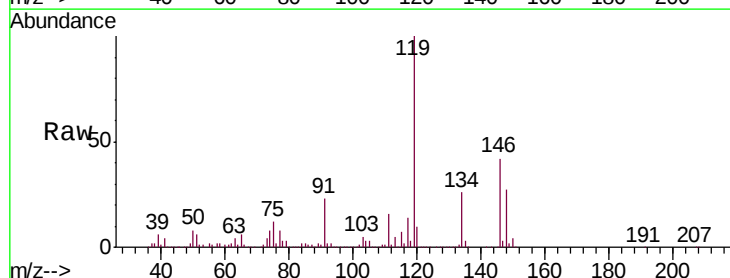
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

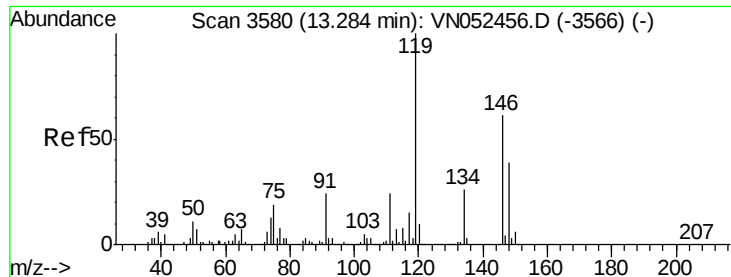
Tgt Ion:105 Resp: 5312927  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 0.0 40.4



#82  
 p-Isopropyltoluene  
 Concen: 105.939 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion:119 Resp: 4592538  
 Ion Ratio Lower Upper  
 119 100  
 134 26.4 0.0 52.6  
 91 22.7 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 106.625 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC100

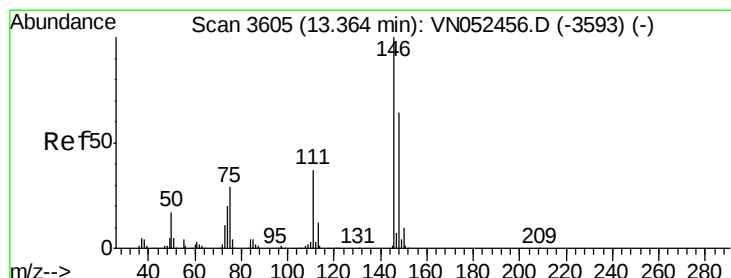
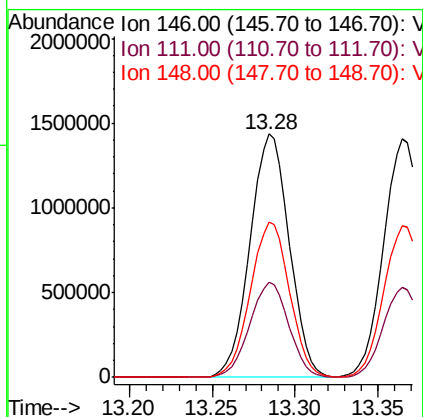
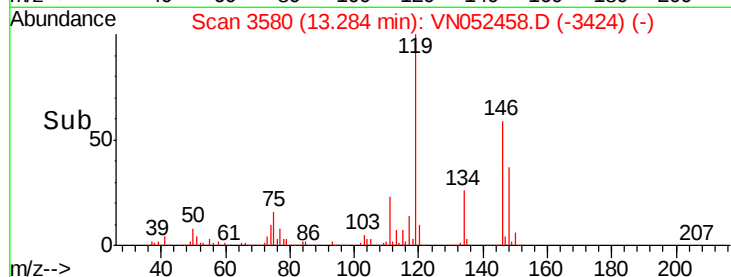
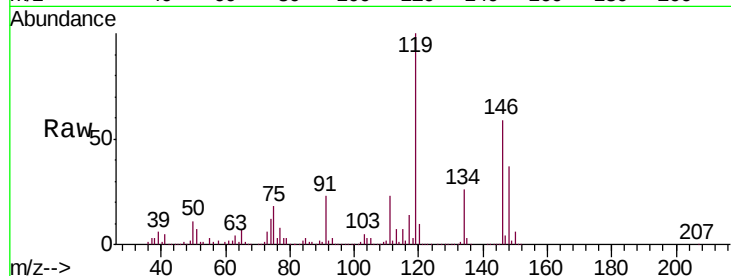
Tgt Ion:146 Resp: 2356702

Ion Ratio Lower Upper

146 100

111 38.9 19.7 59.0

148 63.8 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 107.872 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

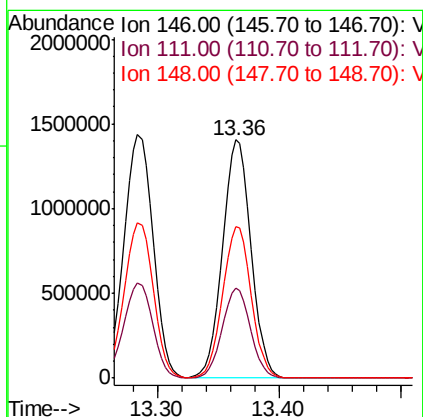
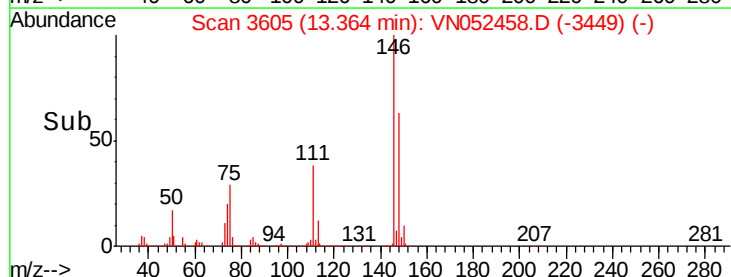
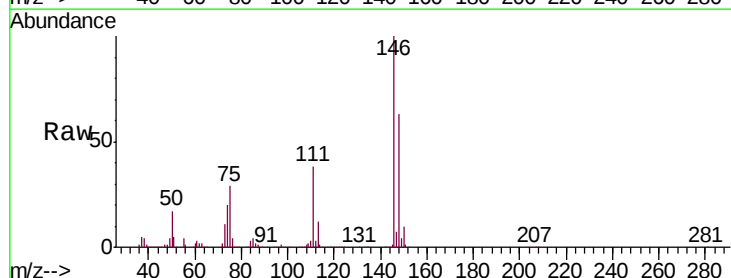
Tgt Ion:146 Resp: 2303577

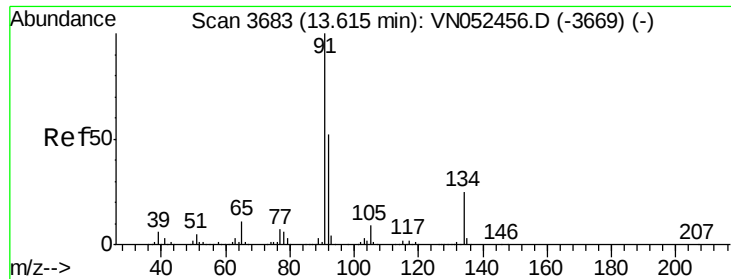
Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

148 64.0 32.5 97.4

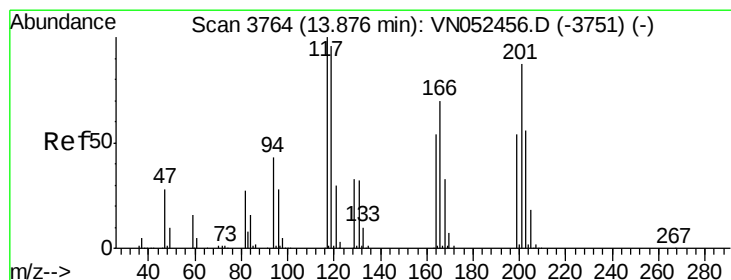
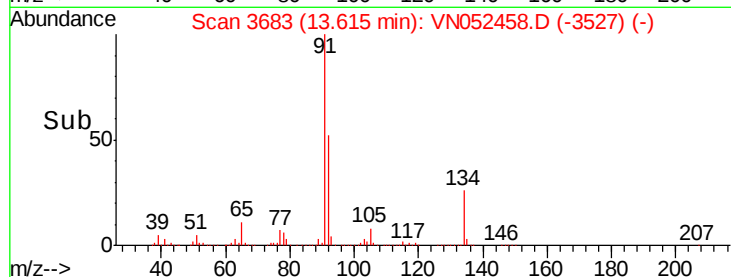
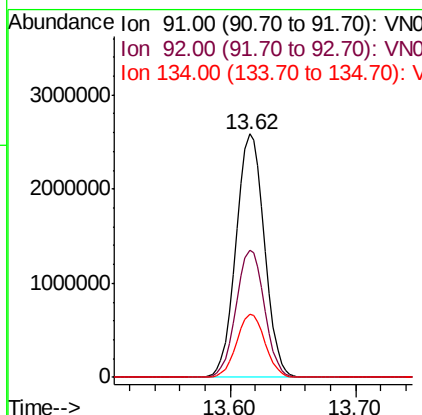
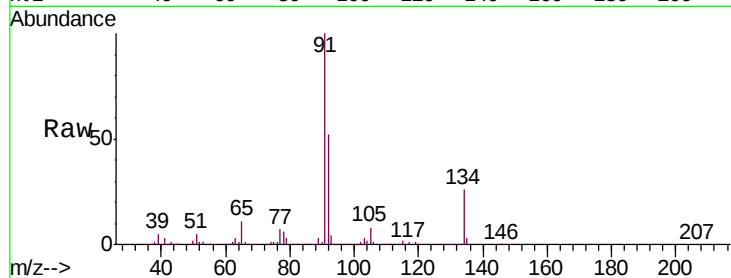




#85  
n-Butylbenzene  
Concen: 108.902 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

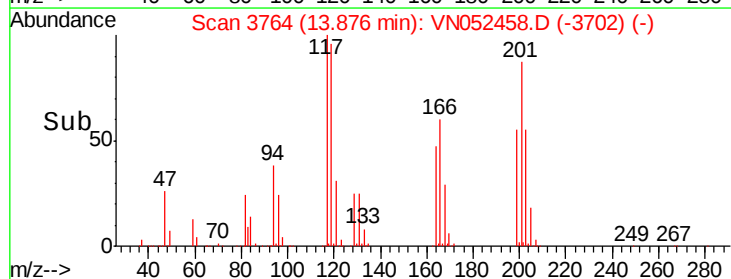
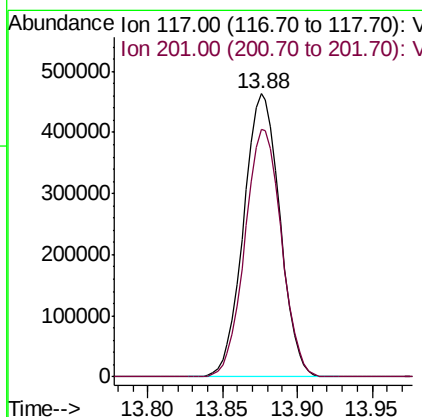
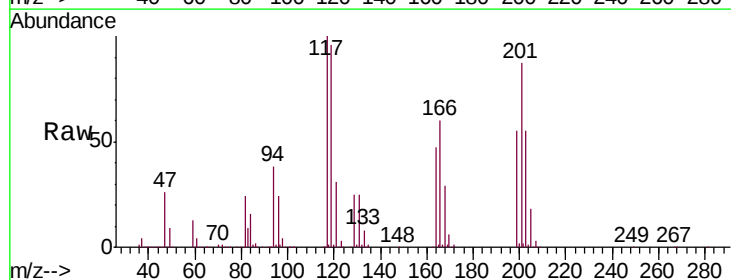
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

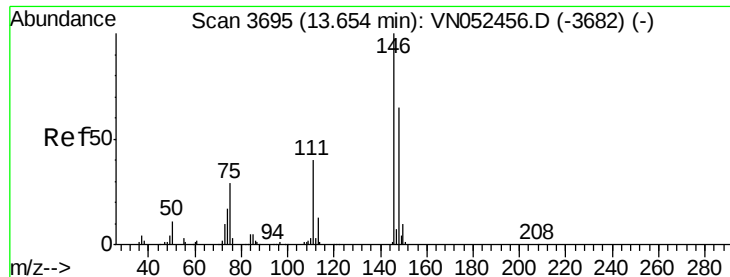
Tgt Ion: 91 Resp: 4055236  
Ion Ratio Lower Upper  
91 100  
92 52.4 0.0 104.2  
134 25.9 0.0 50.6



#86  
Hexachloroethane  
Concen: 106.514 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion: 117 Resp: 782363  
Ion Ratio Lower Upper  
117 100  
201 87.9 43.8 131.3

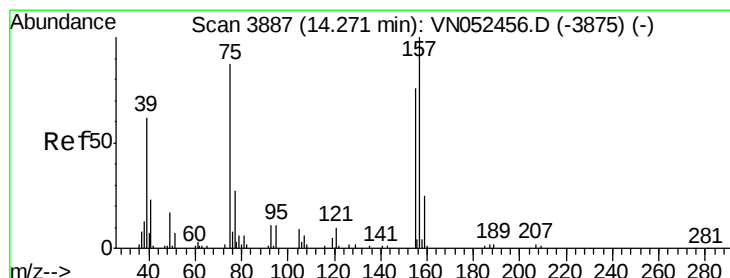
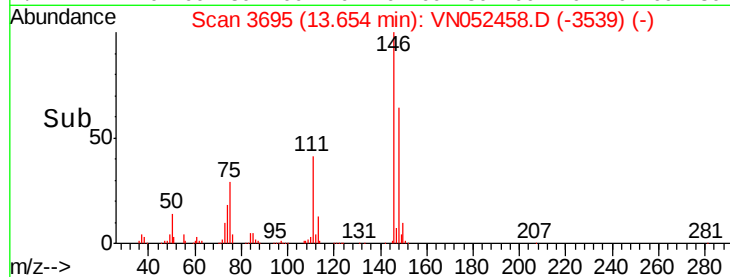
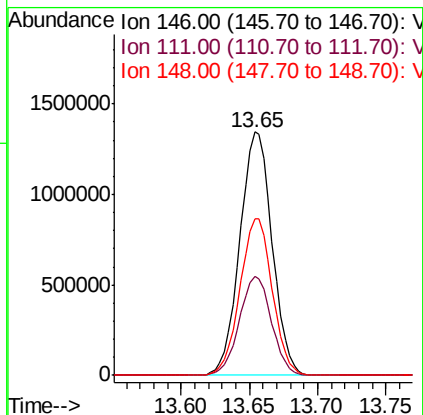
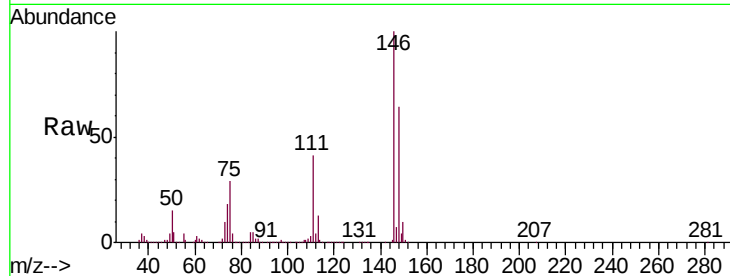




#87  
 1,2-Dichlorobenzene  
 Concen: 104.997 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

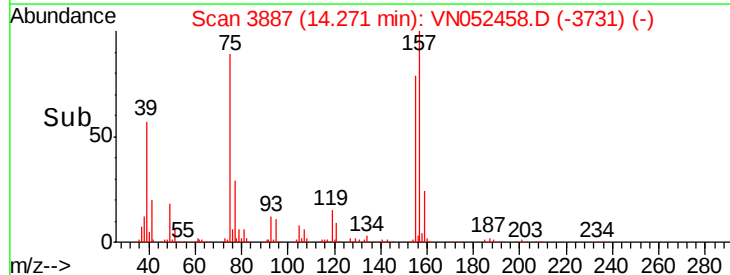
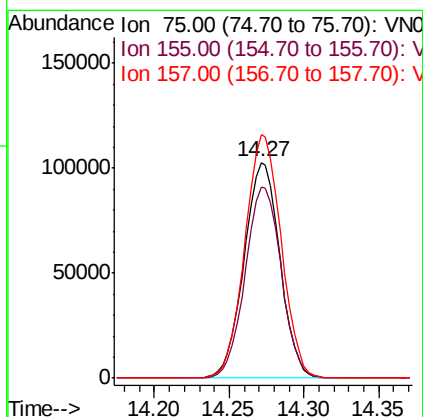
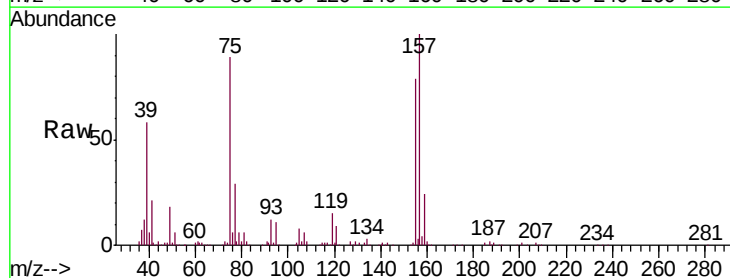
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

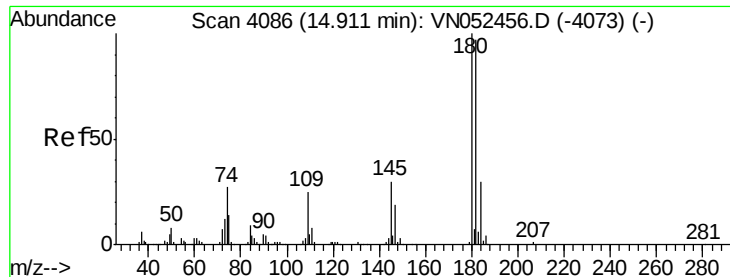
Tgt Ion:146 Resp: 2208415  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 20.3 60.8  
 148 64.4 32.1 96.5



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 108.255 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion: 75 Resp: 171400  
 Ion Ratio Lower Upper  
 75 100  
 155 89.1 72.2 108.2  
 157 114.2 94.2 141.2

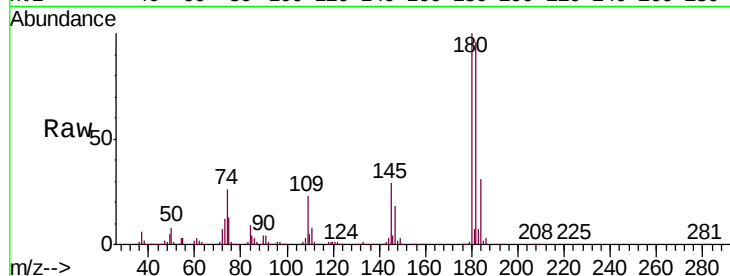




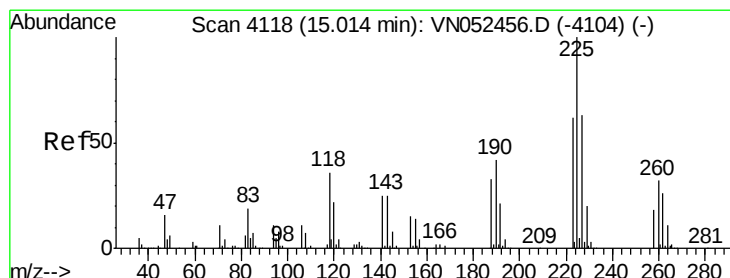
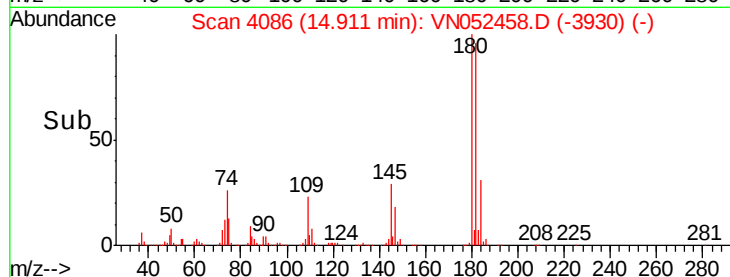
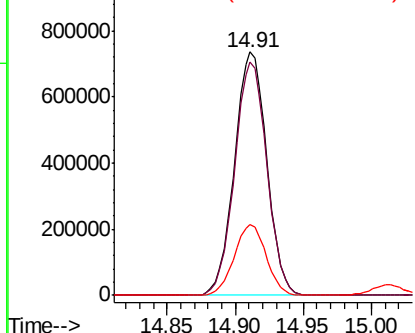
#89  
 1,2,4-Trichlorobenzene  
 Concen: 116.483 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:180 Resp: 1207062  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 76.6 114.8  
 145 28.8 23.6 35.4

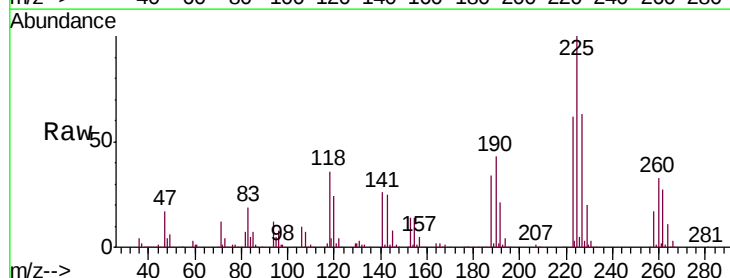


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

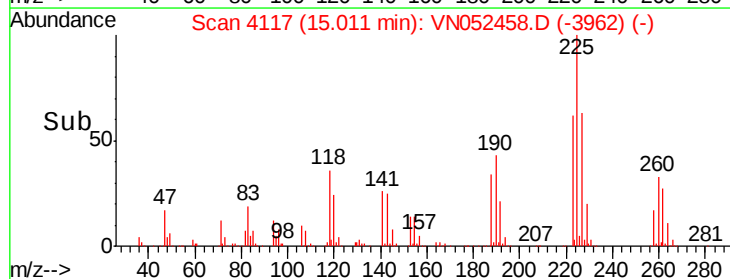
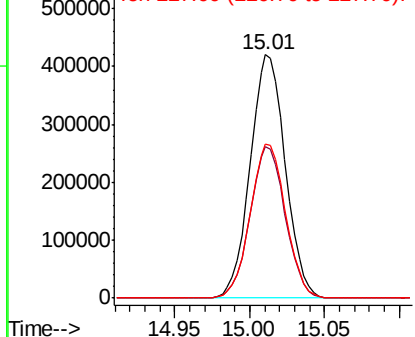


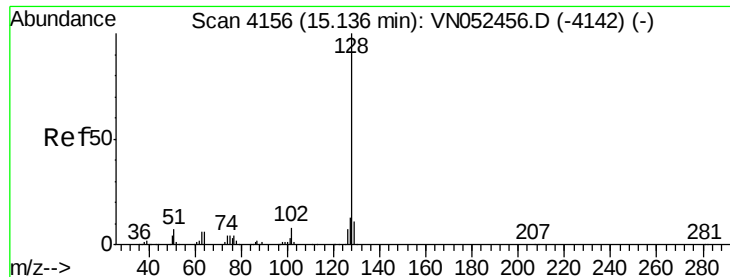
#90  
 Hexachlorobutadiene  
 Concen: 100.860 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN052458.D  
 Acq: 26 Nov 2018 14:13

Tgt Ion:225 Resp: 685624  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 0.0 125.6  
 227 63.9 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V  
 Ion 223.00 (222.70 to 223.70): V  
 Ion 227.00 (226.70 to 227.70): V

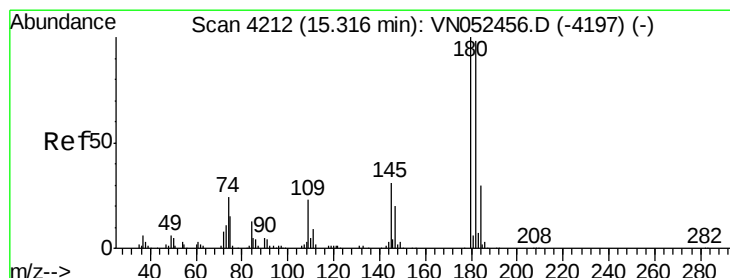
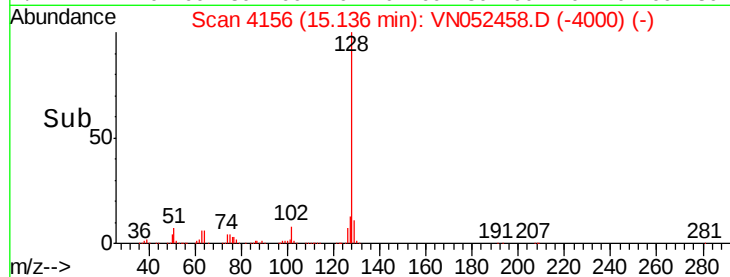
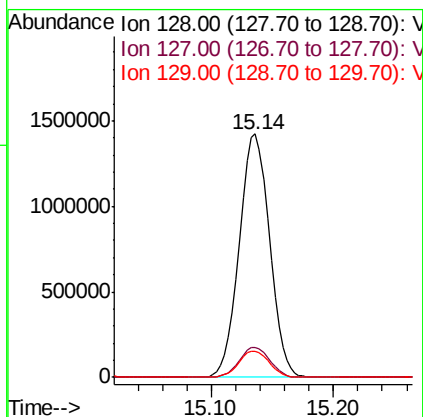
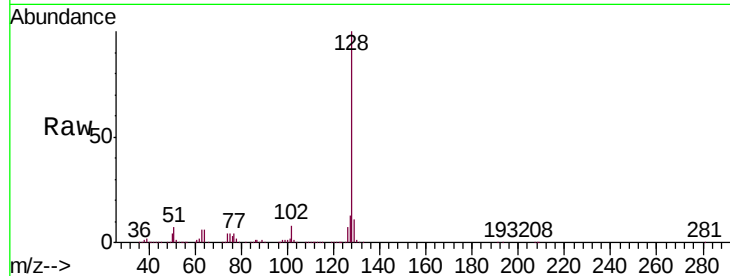




#91  
Naphthalene  
Concen: 116.621 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. -0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC100

Tgt Ion:128 Resp: 2440448  
Ion Ratio Lower Upper  
128 100  
127 12.6 9.9 14.9  
129 10.9 8.5 12.7



#92  
1,2,3-Trichlorobenzene  
Concen: 112.704 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN052458.D  
Acq: 26 Nov 2018 14:13

Tgt Ion:180 Resp: 1076288  
Ion Ratio Lower Upper  
180 100  
182 95.7 0.0 196.2  
145 30.4 0.0 62.2

