

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\  
 Data File : VN053500.D  
 Acq On : 21 Jan 2019 12:18  
 Operator : JC/SP  
 Sample : K1204-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRE-COMP-1

Quant Time: Jan 22 04:04:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 851322   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1304052  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1229144  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 570887   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 409502   | 48.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.34%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 384734   | 51.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.38% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1612110  | 51.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.44% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 559122   | 50.66 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.32% |      |

## Target Compounds

|                                |       |     |        |        |        | Qvalue |
|--------------------------------|-------|-----|--------|--------|--------|--------|
| 11) Tert butyl alcohol         | 4.77  | 59  | 2604   | 6.324  | ug/l   | 100    |
| 13) Acrolein                   | 3.62  | 56  | 8675   | 32.553 | ug/l # | 14     |
| 16) Acetone                    | 3.82  | 43  | 77484  | 39.248 | ug/l # | 26     |
| 17) Carbon Disulfide           | 4.05  | 76  | 4769   | 0.208  | ug/l   | 98     |
| 18) Methyl Acetate             | 4.33  | 43  | 8585   | 1.291  | ug/l   | 96     |
| 25) 2-Butanone                 | 6.83  | 43  | 9125   | 2.999  | ug/l   | 96     |
| 31) Cyclohexane                | 7.66  | 56  | 15716  | 0.843  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.66  | 75  | 52872  | 4.452  | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.83  | 43  | 9125   | 1.335  | ug/l # | 75     |
| 38) Carbon Tetrachloride       | 7.66  | 117 | 73056  | 6.498  | ug/l # | 17     |
| 40) Benzene                    | 8.04  | 78  | 139778 | 3.873  | ug/l   | 100    |
| 41) Methacrylonitrile          | 7.18  | 41  | 64     | 0.683  | ug/l # | 20     |
| 43) Isopropyl Acetate          | 8.21  | 43  | 10226  | 0.832  | ug/l # | 51     |
| 49) 1,4-Dioxane                | 9.19  | 88  | 404    | 6.521  | ug/l # | 27     |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43  | 2514   | 0.375  | ug/l # | 64     |
| 52) Toluene                    | 10.16 | 92  | 82468  | 3.681  | ug/l   | 96     |
| 53) t-1,3-Dichloropropene      | 10.35 | 75  | 2501   | 0.214  | ug/l # | 53     |
| 56) Ethyl methacrylate         | 10.43 | 69  | 266    | 2.081  | ug/l # | 28     |
| 59) 2-Hexanone                 | 10.75 | 43  | 1762   | 0.374  | ug/l   | 95     |
| 67) Ethyl Benzene              | 11.51 | 91  | 15988  | 0.361  | ug/l   | 91     |
| 68) m/p-Xylenes                | 11.62 | 106 | 39523  | 2.361  | ug/l   | 100    |
| 69) o-Xylene                   | 11.95 | 106 | 16733  | 1.029  | ug/l   | 94     |
| 70) Styrene                    | 11.96 | 104 | 17385  | 0.659  | ug/l   | 94     |
| 71) Bromoform                  | 12.40 | 173 | 3987   | 0.640  | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.36 | 83  | 27747  | 3.165  | ug/l # | 32     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 264070 | 35.101 | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 8848   | 0.260  | ug/l   | 92     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 264070 | 86.864 | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 20264  | 0.591  | ug/l   | 98     |
| 89) n-Butylbenzene             | 13.61 | 91  | 6165   | 0.202  | ug/l   | 92     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 7096   | 3.618  | ug/l   | 98     |
| 94) Hexachlorobutadiene        | 15.01 | 225 | 2294   | 0.412  | ug/l   | 96     |
| 95) Naphthalene                | 15.13 | 128 | 86584  | 9.718  | ug/l   | 98     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180 | 7442   | 5.096  | ug/l   | 96     |

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Sample : K1204-01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 8 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRE-COMP-1

Quant Time: Jan 22 04:04:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
Response via : Initial Calibration

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

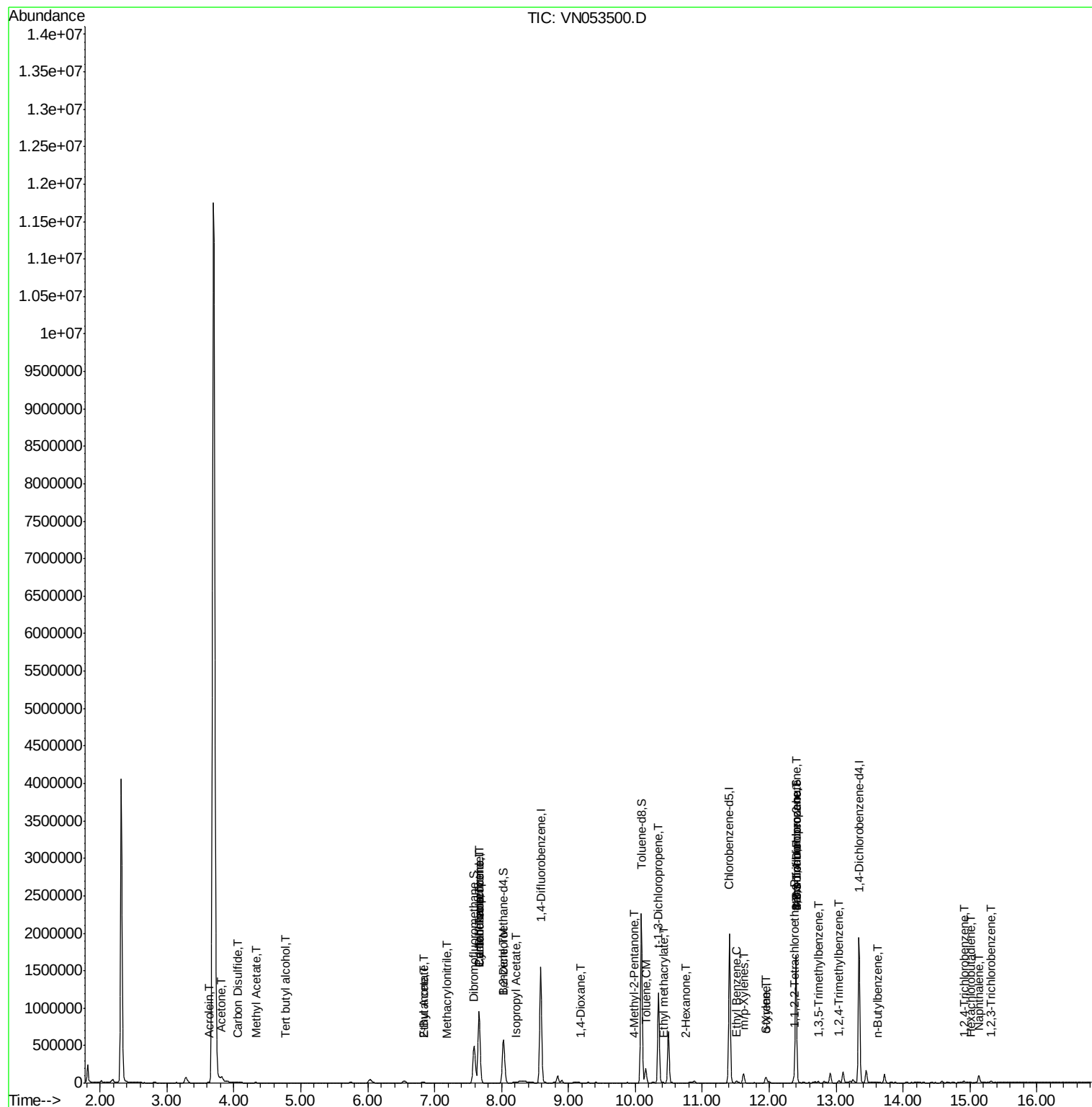
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

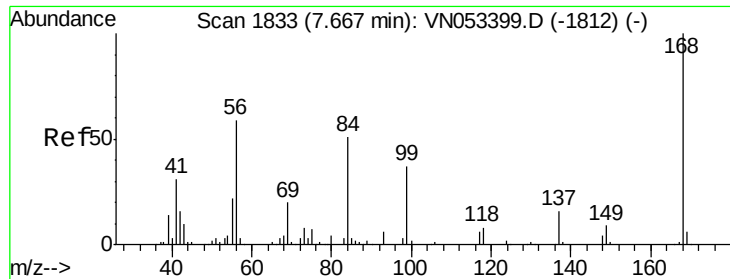
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampleId :

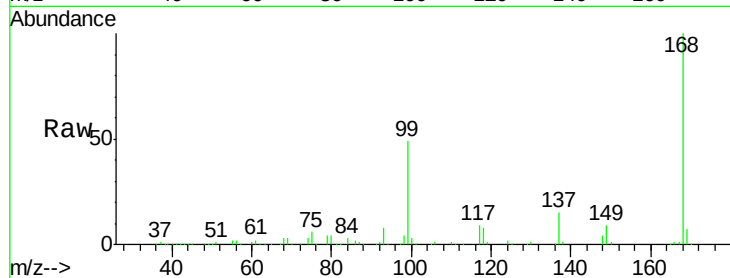
TRE-COMP-1

Tot Ion:168 Resp: 851322

Ion Ratio Lower Upper

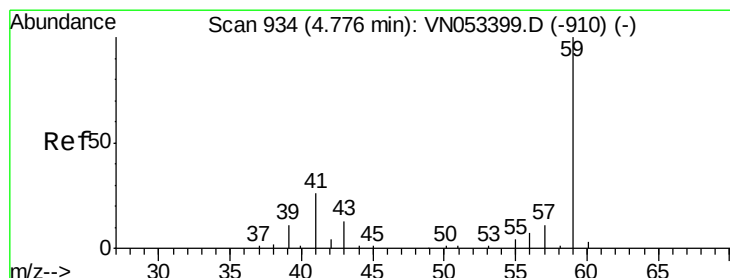
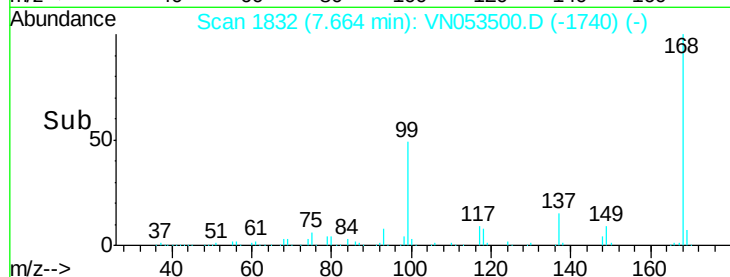
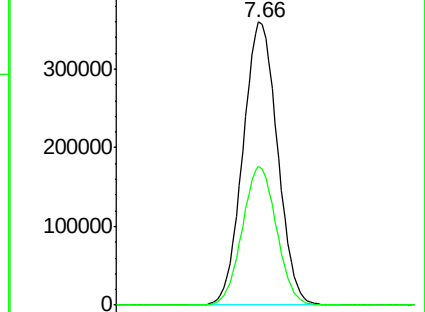
168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 6.324 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN053500.D

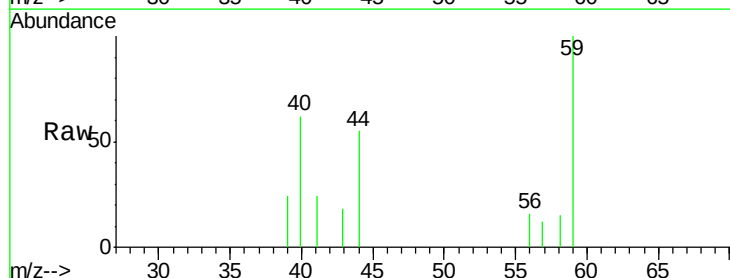
Acq: 21 Jan 2019 12:18

Tgt Ion: 59 Resp: 2604

Ion Ratio Lower Upper

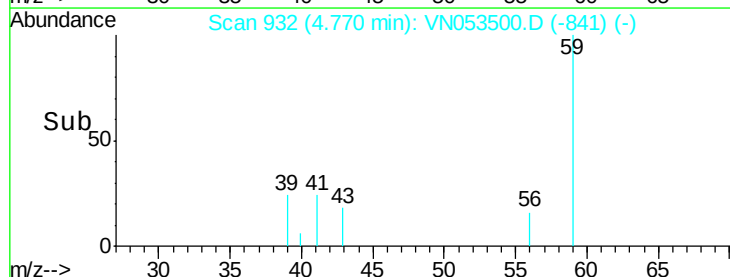
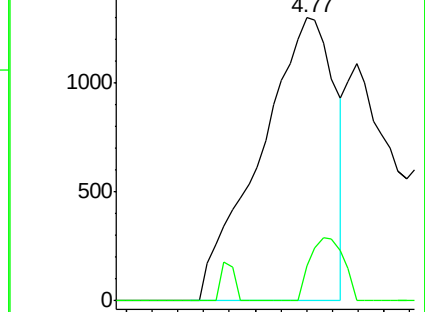
59 100

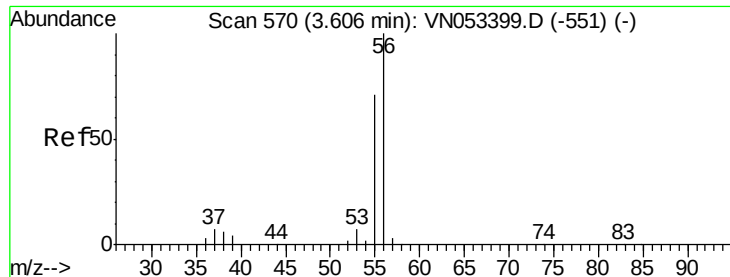
57 10.1 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

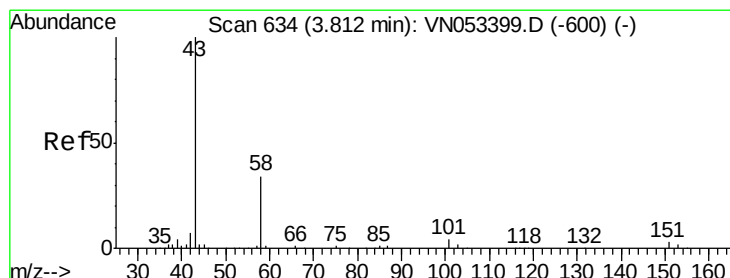
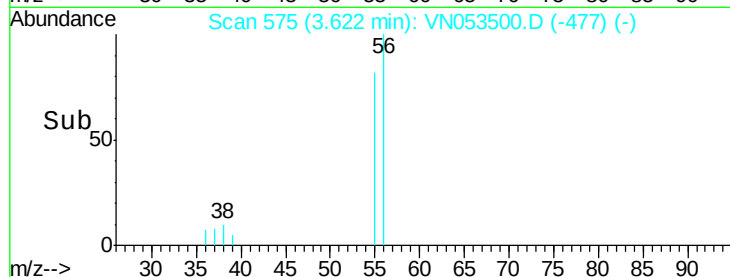
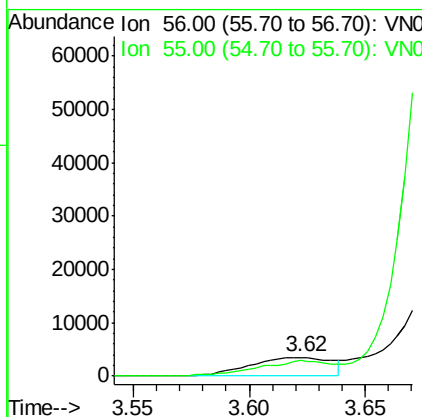
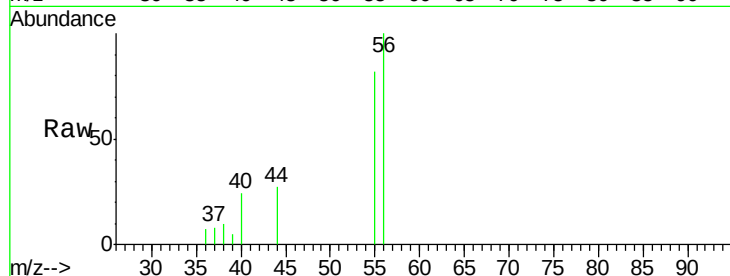




#13  
Acrolein  
Concen: 32.553 ug/l  
RT: 3.62 min Scan# 575  
Delta R.T. 0.02 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

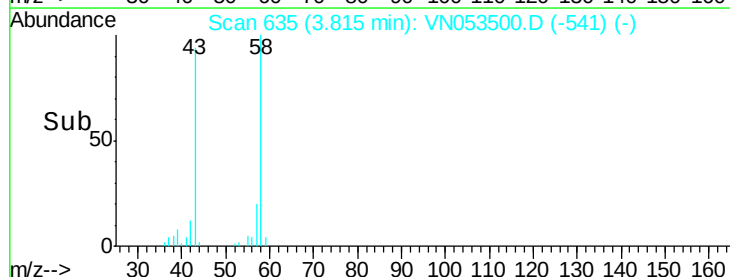
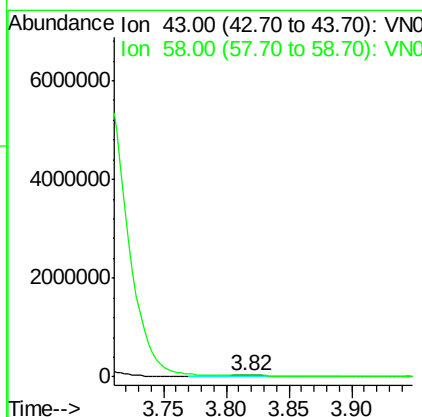
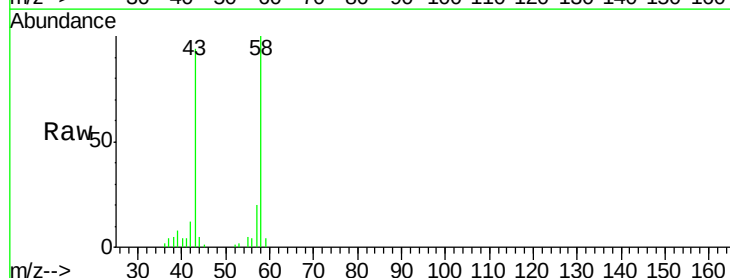
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRE-COMP-1

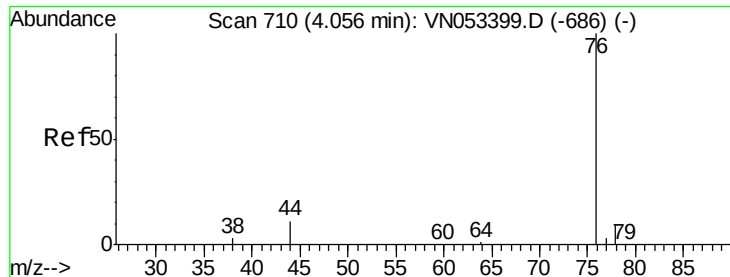
Tot Ion: 56 Resp: 8675  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.4 86.0#



#16  
Acetone  
Concen: 39.248 ug/l  
RT: 3.82 min Scan# 635  
Delta R.T. 0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion: 43 Resp: 77484  
Ion Ratio Lower Upper  
43 100  
58 76.5 27.1 40.7#





#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampleId :

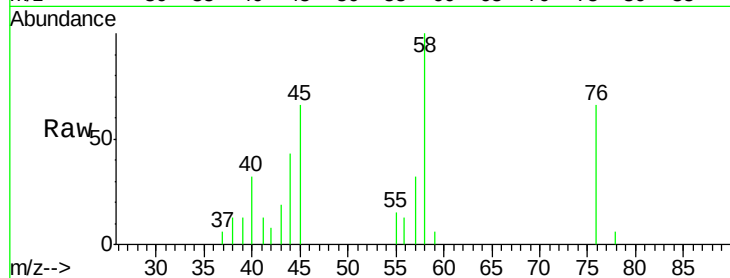
TRE-COMP-1

Tot Ion: 76 Resp: 4769

Ion Ratio Lower Upper

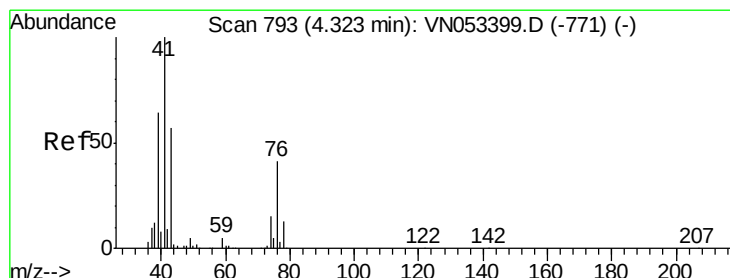
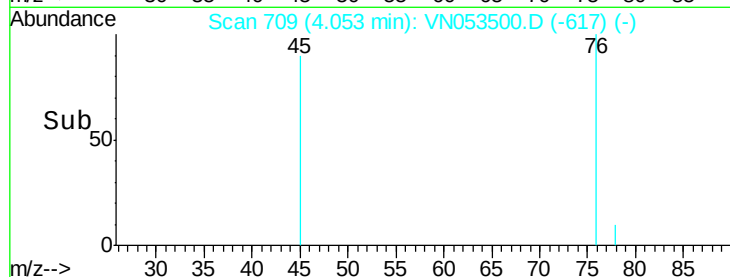
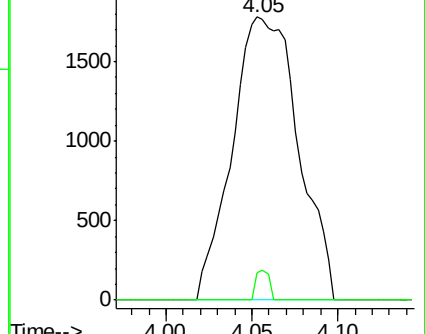
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.291 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053500.D

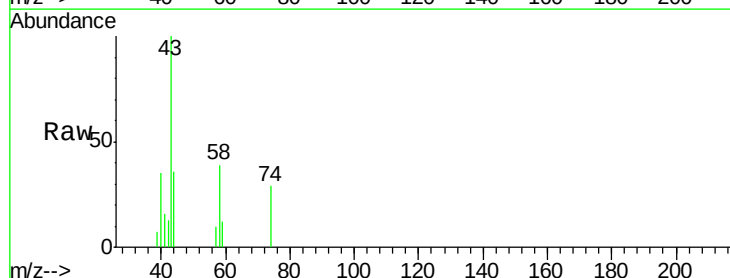
Acq: 21 Jan 2019 12:18

Tgt Ion: 43 Resp: 8585

Ion Ratio Lower Upper

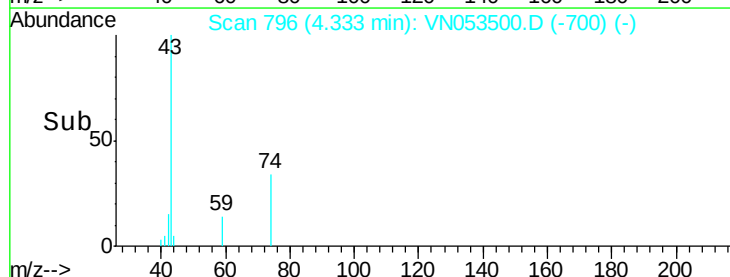
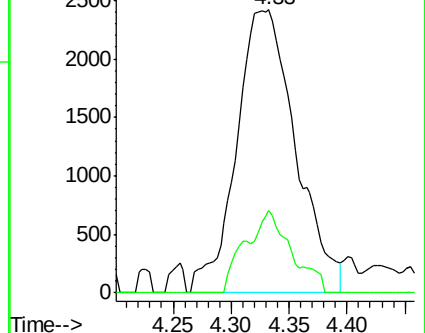
43 100

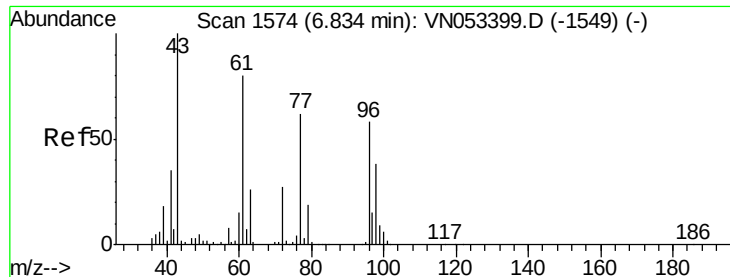
74 22.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

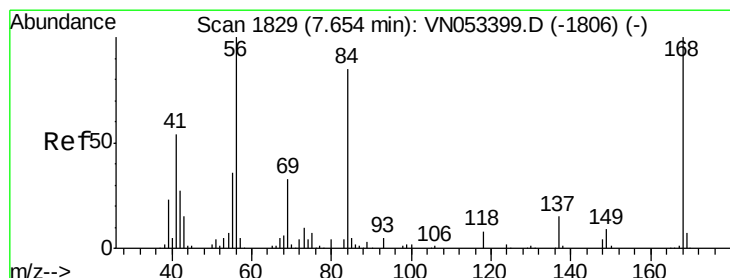
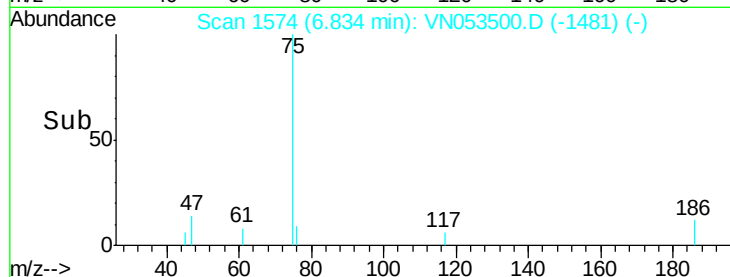
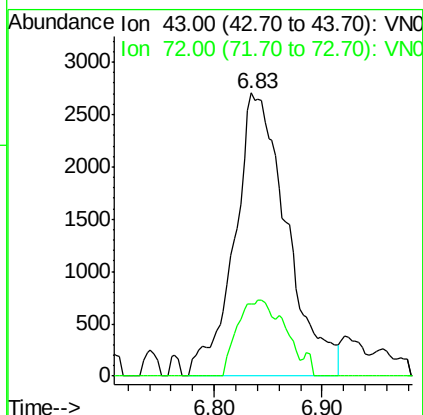
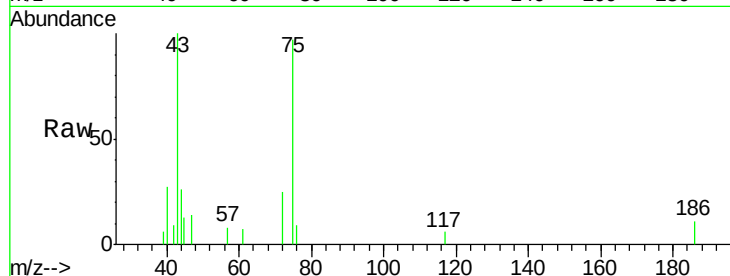




#25  
2-Butanone  
Concen: 2.999 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

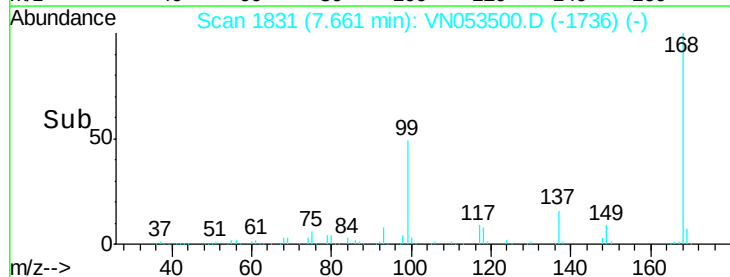
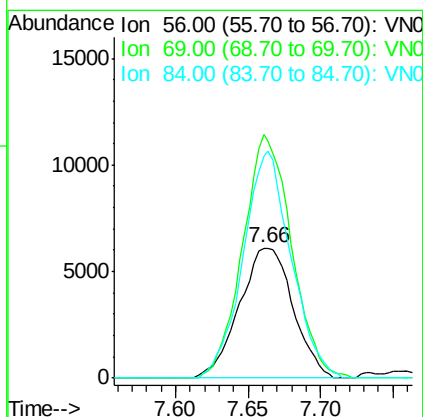
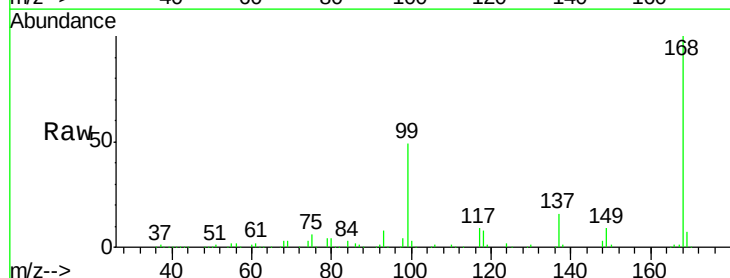
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRE-COMP-1

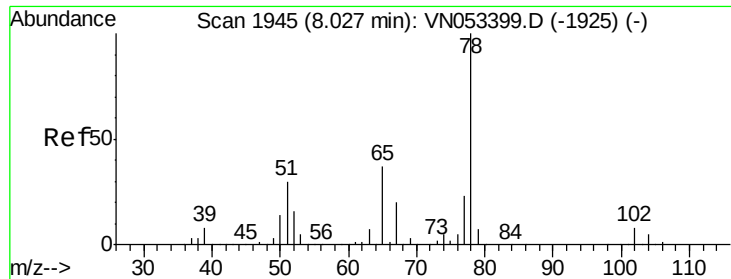
Tot Ion: 43 Resp: 9125  
Ion Ratio Lower Upper  
43 100  
72 25.4 22.0 33.0



#31  
Cyclohexane  
Concen: 0.843 ug/l  
RT: 7.66 min Scan# 1831  
Delta R.T. 0.01 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion: 56 Resp: 15716  
Ion Ratio Lower Upper  
56 100  
69 187.4 26.4 39.6#  
84 171.1 67.9 101.9#

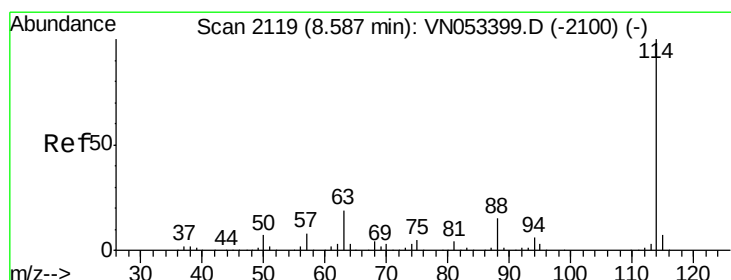
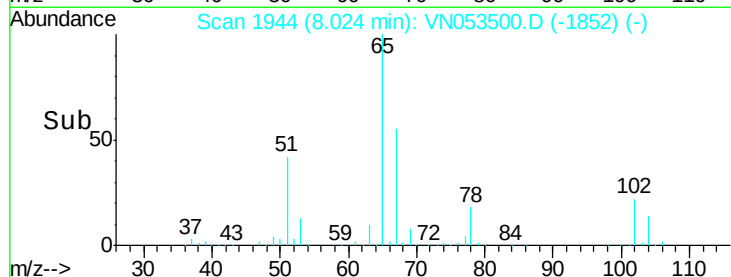
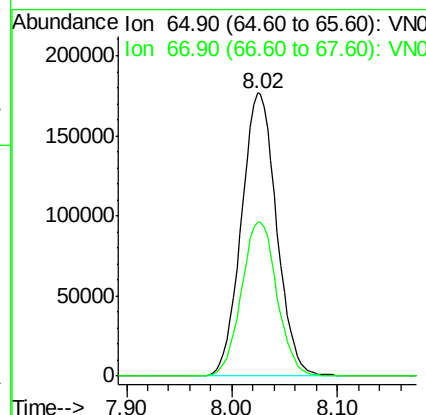
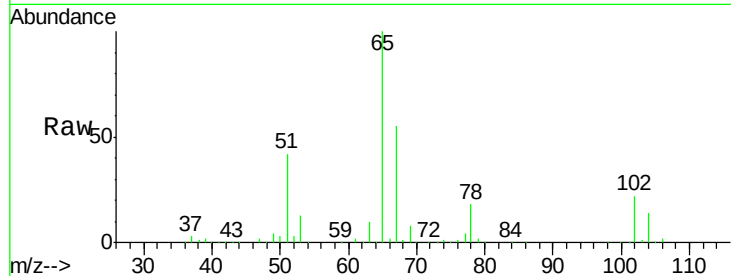




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

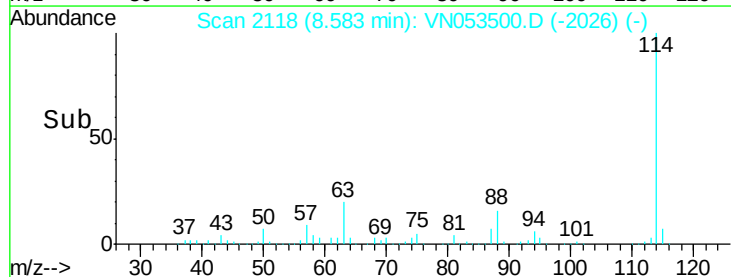
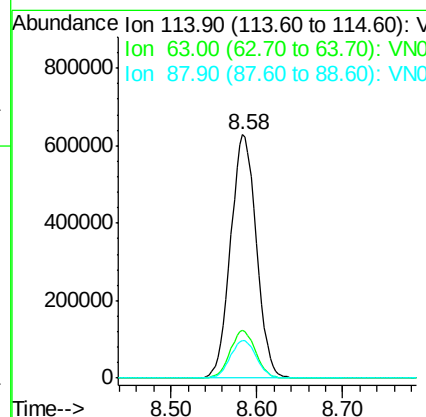
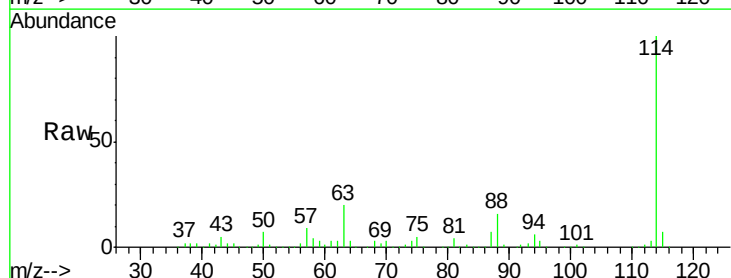
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRE-COMP-1

Tot Ion: 65 Resp: 409502  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 111.2

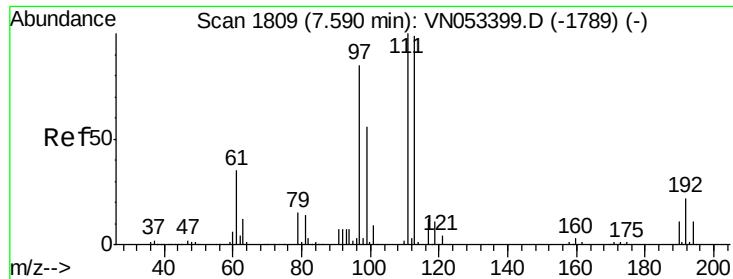


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

Tgt Ion:114 Resp: 1304052  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 38.6  
 88 15.6 0.0 30.4



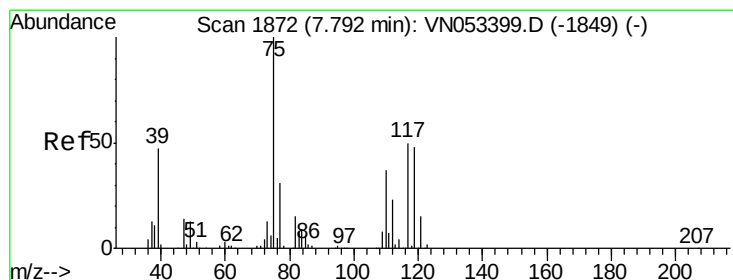
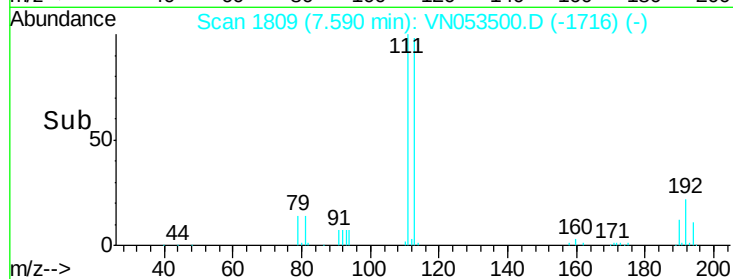
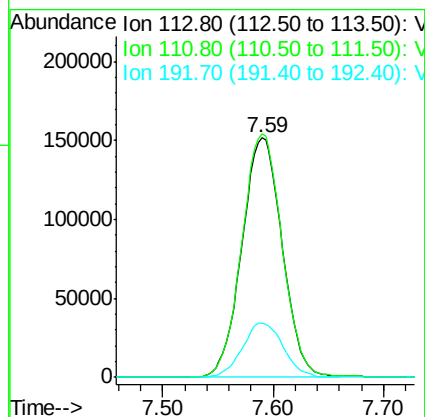
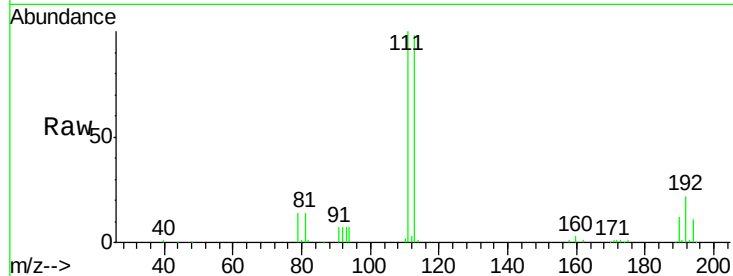




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

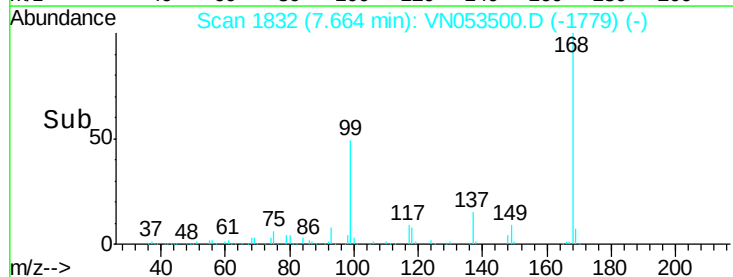
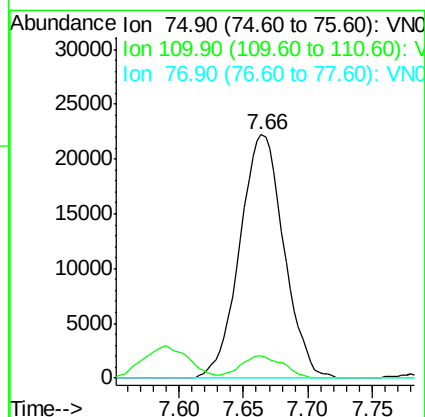
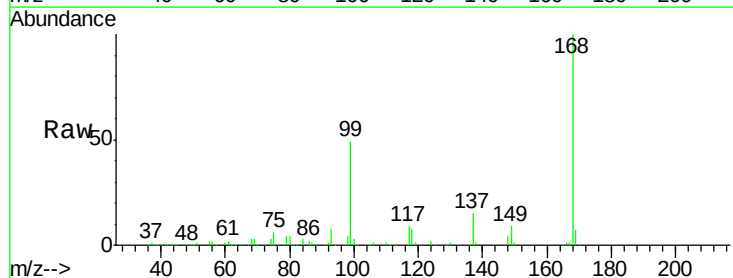
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRE-COMP-1

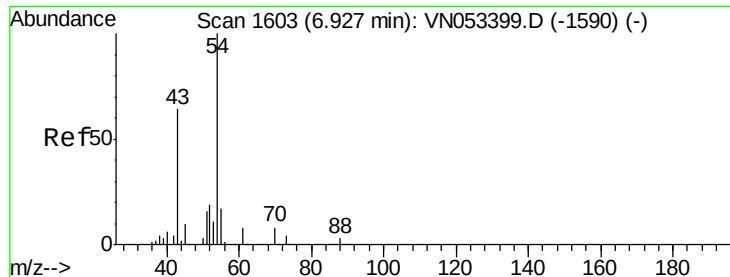
Tot Ion:113 Resp: 384734  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 81.1 121.7  
 192 23.0 18.2 27.2



#36  
 1,1-Dichloropropene  
 Concen: 4.452 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

Tgt Ion: 75 Resp: 52872  
 Ion Ratio Lower Upper  
 75 100  
 110 9.0 18.1 54.3#  
 77 0.0 25.1 37.7#

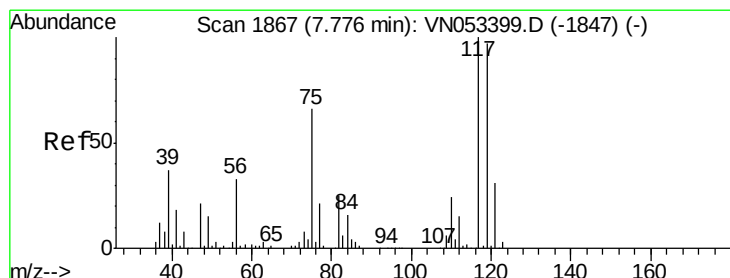
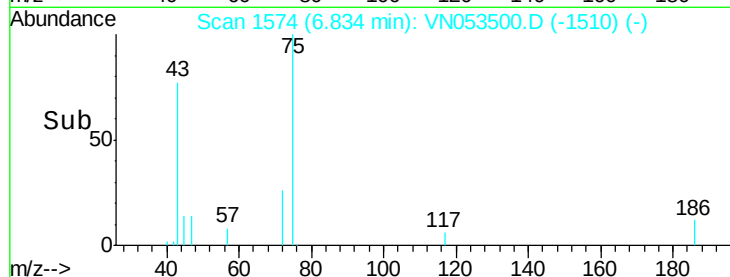
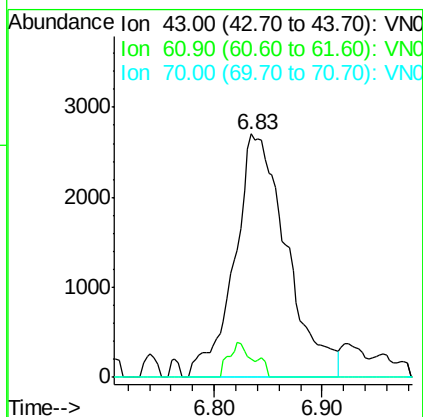
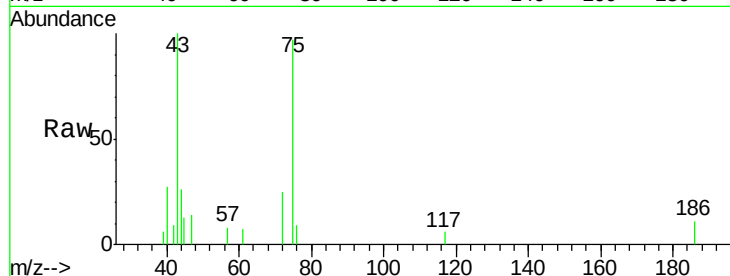




#37  
Ethyl Acetate  
Concen: 1.335 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. -0.09 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

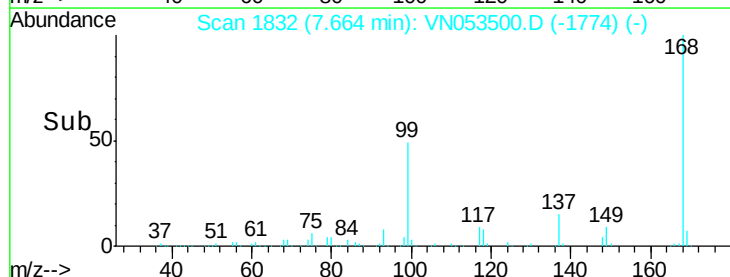
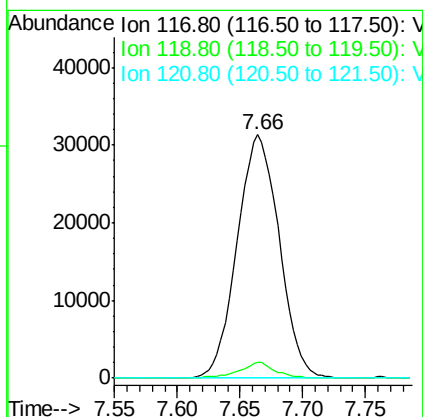
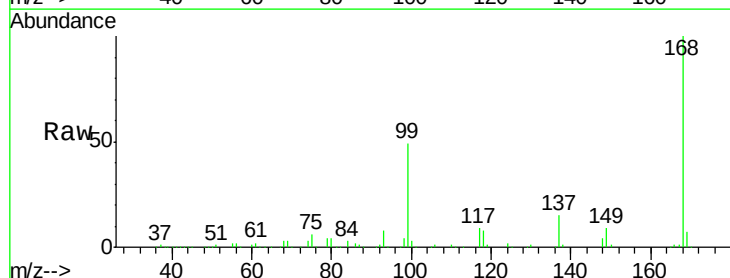
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRE-COMP-1

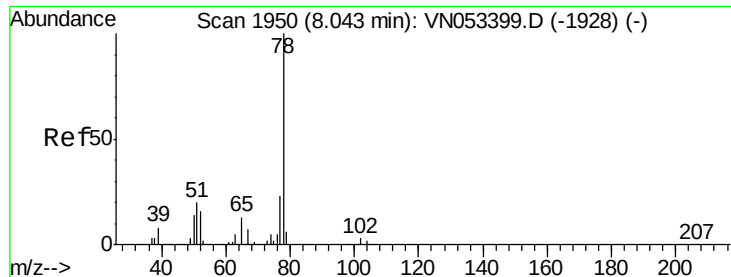
Tot Ion: 43 Resp: 9125  
Ion Ratio Lower Upper  
43 100  
61 5.5 11.8 17.6#  
70 0.0 8.6 12.8#



#38  
Carbon Tetrachloride  
Concen: 6.498 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. -0.11 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion: 117 Resp: 73056  
Ion Ratio Lower Upper  
117 100  
119 6.2 77.2 115.8#  
121 0.0 24.6 37.0#





#40

Benzene

Concen: 3.873 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampleId :

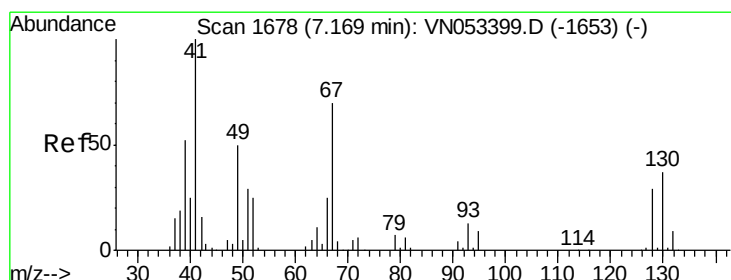
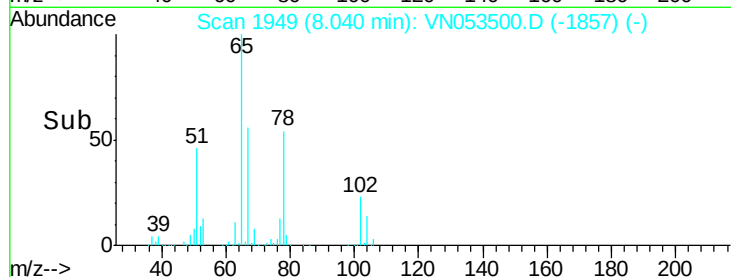
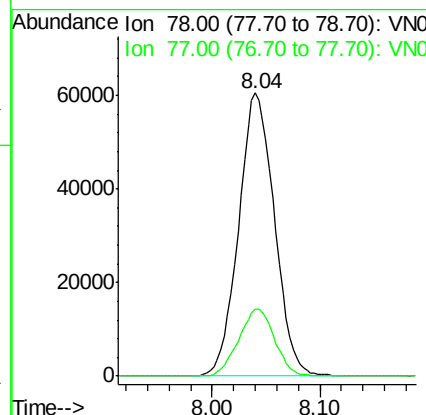
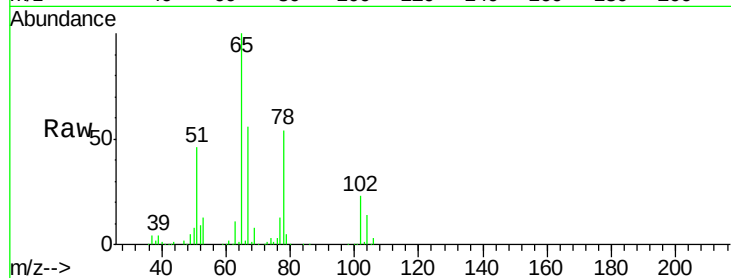
TRE-COMP-1

Tot Ion: 78 Resp: 139778

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2



#41

Methacrylonitrile

Concen: 0.683 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Tgt Ion: 41 Resp: 64

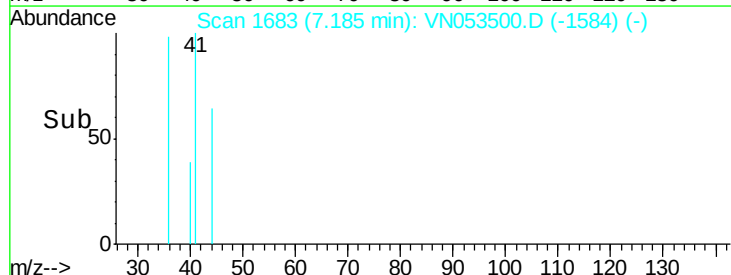
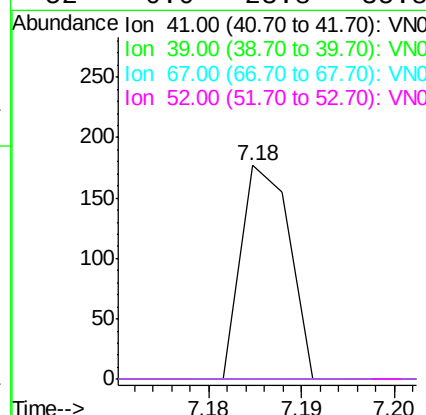
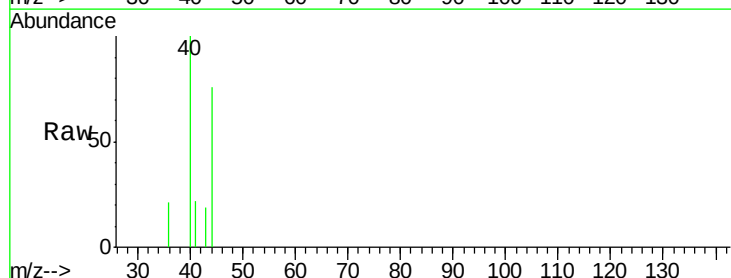
Ion Ratio Lower Upper

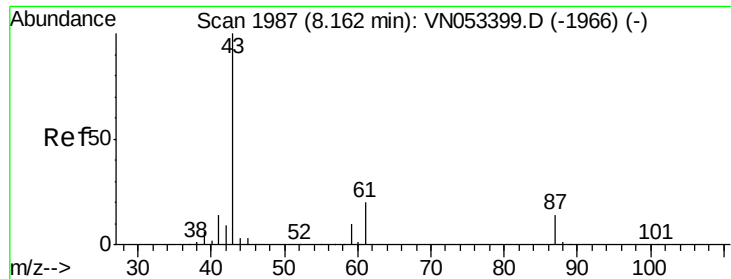
41 100

39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: 0.832 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.05 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

TRE-COMP-1

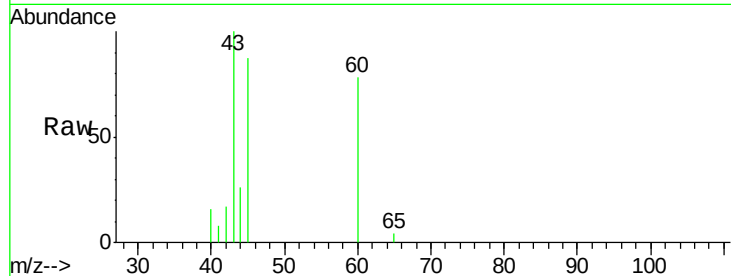
Tot Ion: 43 Resp: 10226

Ion Ratio Lower Upper

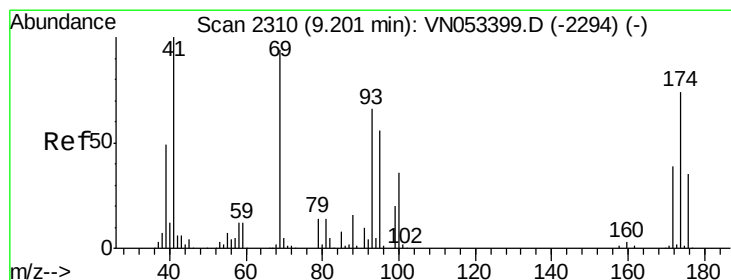
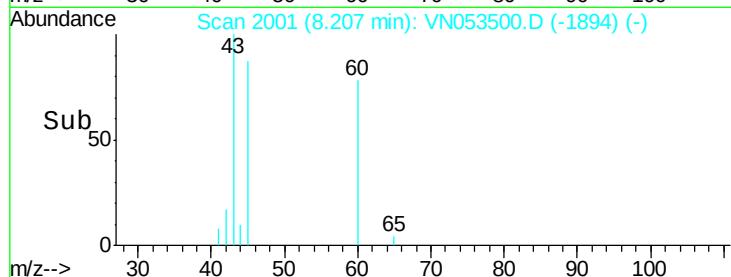
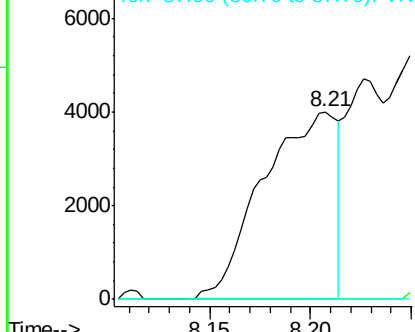
43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



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



#49

1,4-Dioxane

Concen: 6.521 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

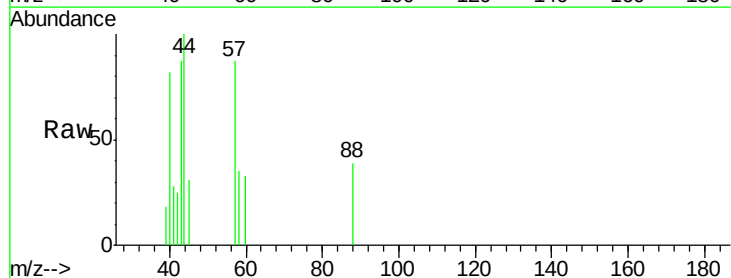
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

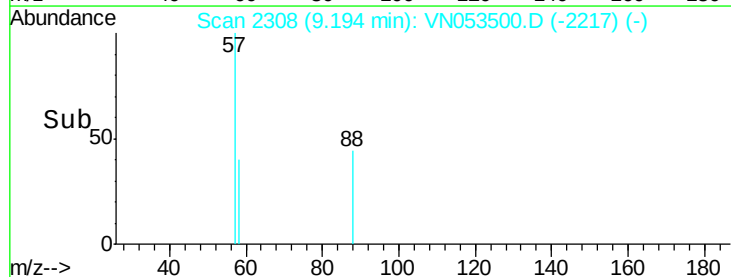
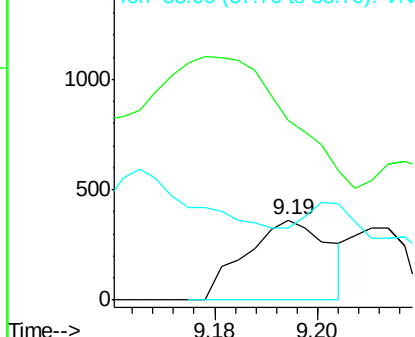
88 100

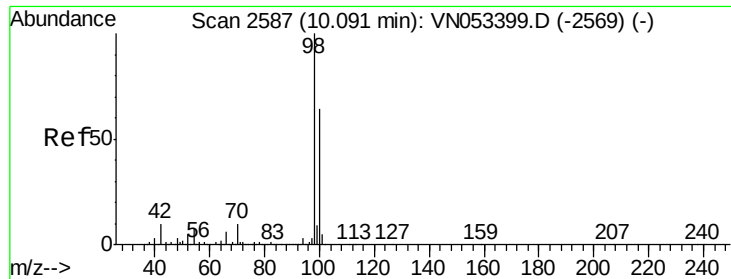
43 0.0 27.8 41.6#

58 136.4 56.5 84.7#



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





#50

Toluene-d8

Concen: 6.521 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

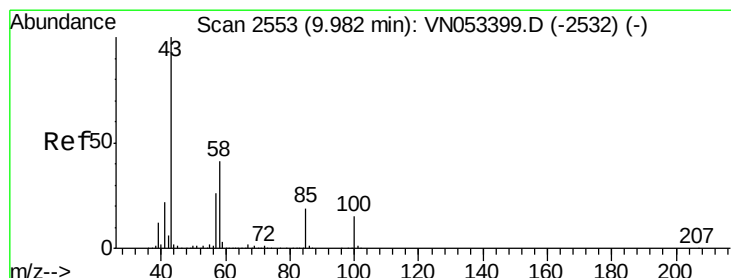
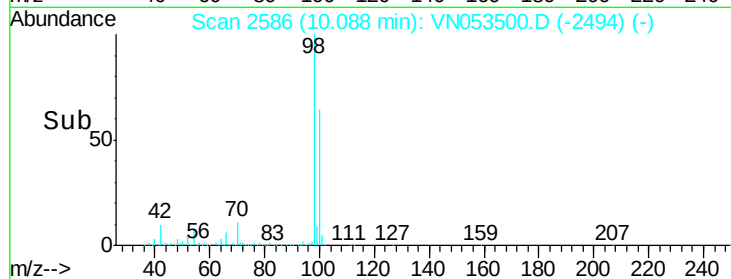
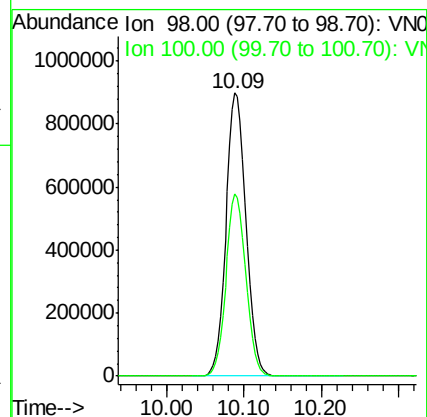
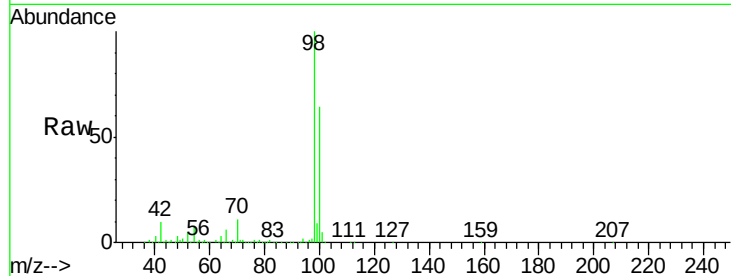
TRE-COMP-1

Tot Ion: 98 Resp: 1612110

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.375 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN053500.D

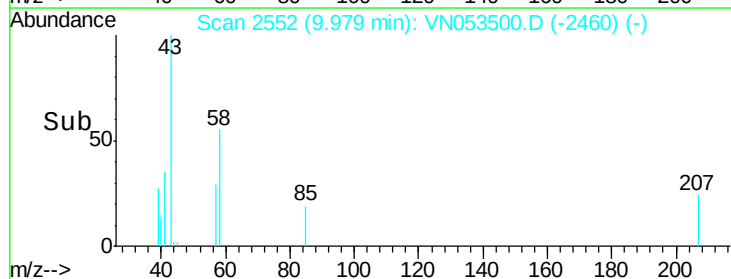
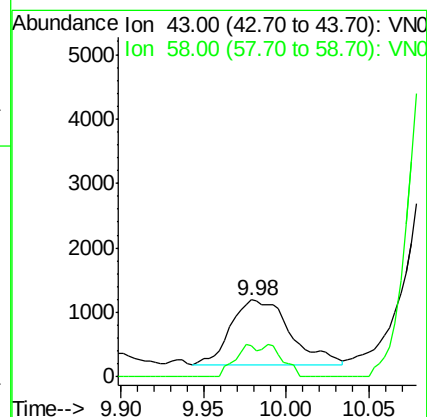
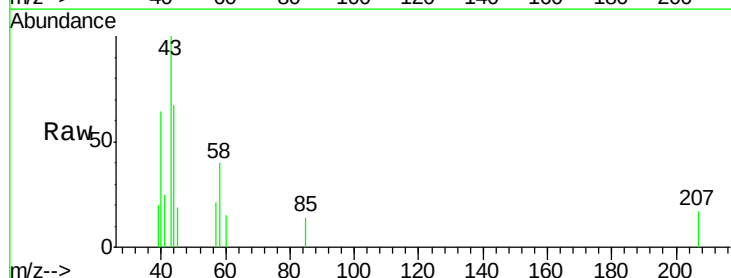
Acq: 21 Jan 2019 12:18

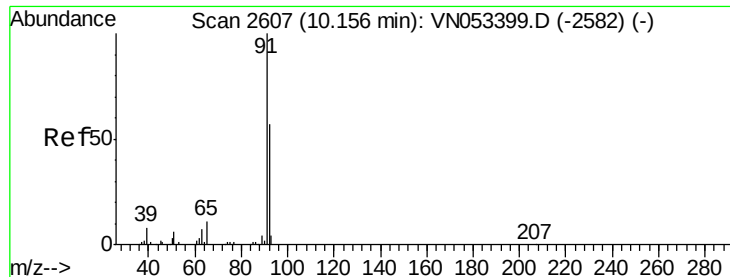
Tgt Ion: 43 Resp: 2514

Ion Ratio Lower Upper

43 100

58 18.3 32.8 49.2#





#52

Toluene

Concen: 3.681 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

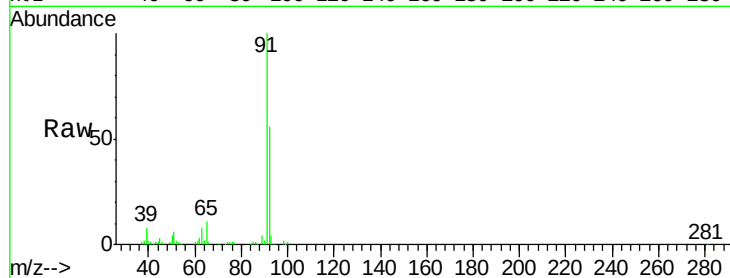
TRE-COMP-1

Tot Ion: 92 Resp: 82468

Ion Ratio Lower Upper

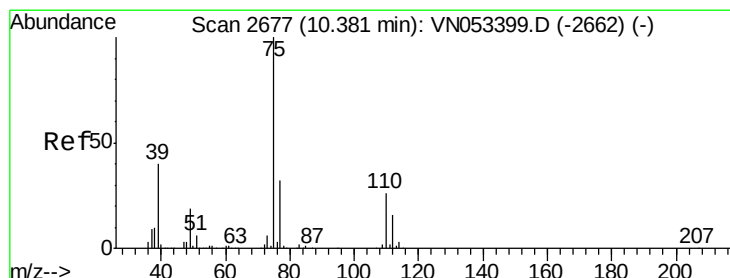
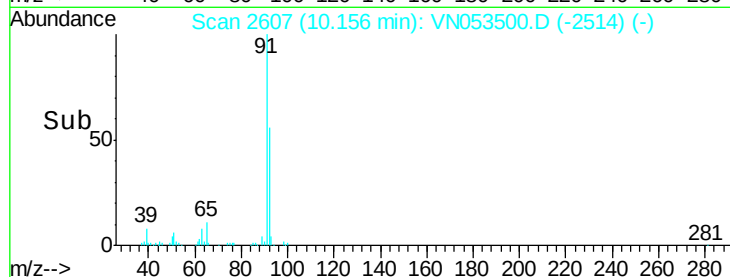
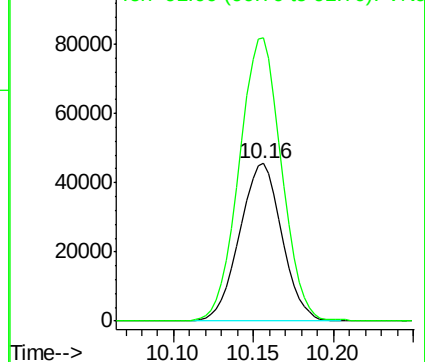
92 100

91 179.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.214 ug/l

RT: 10.35 min Scan# 2666

Delta R.T. -0.04 min

Lab File: VN053500.D

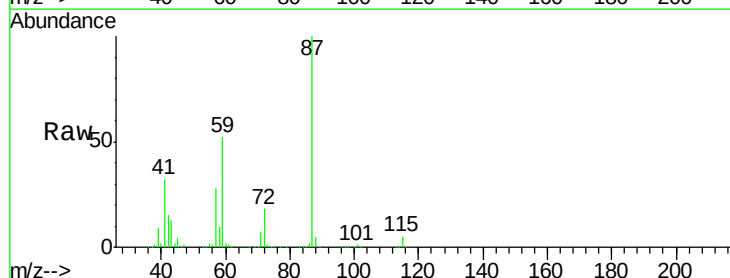
Acq: 21 Jan 2019 12:18

Tgt Ion: 75 Resp: 2501

Ion Ratio Lower Upper

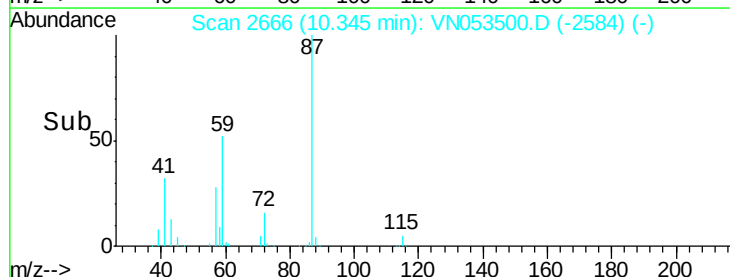
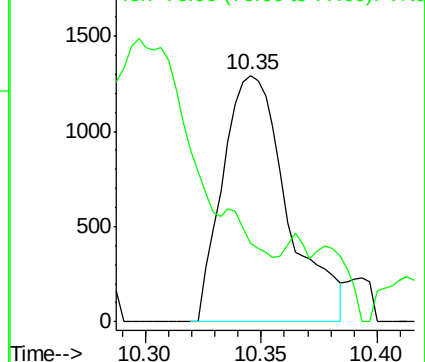
75 100

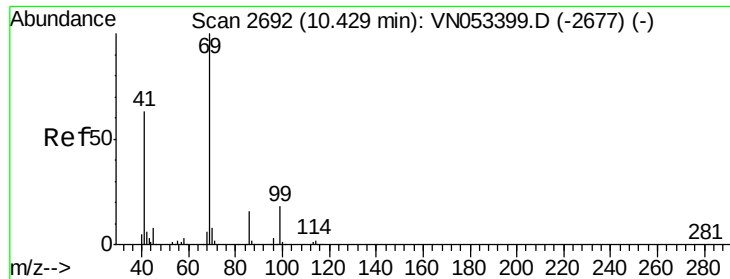
77 5.5 25.5 38.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#56

Ethyl methacrylate

Concen: 2.081 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

TRE-COMP-1

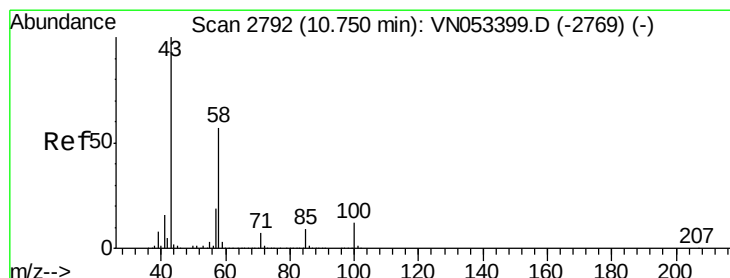
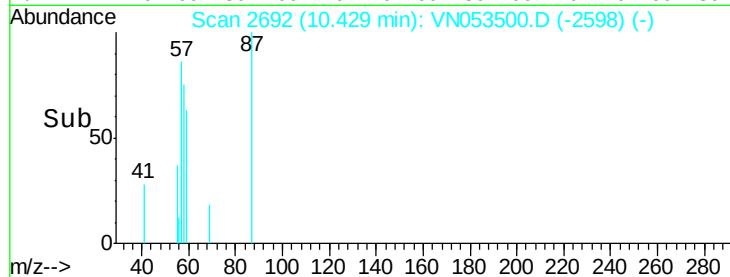
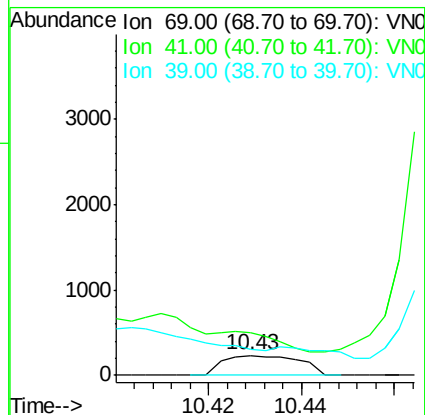
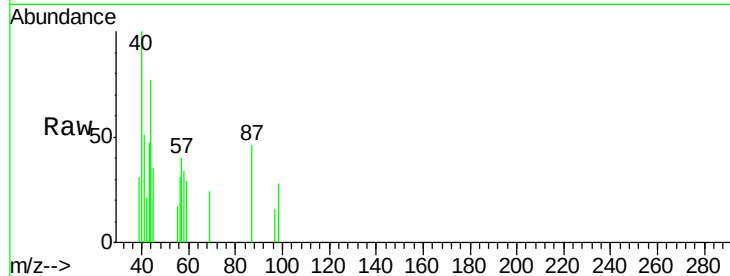
Tot Ion: 69 Resp: 266

Ion Ratio Lower Upper

69 100

41 0.0 49.4 74.0#

39 0.0 23.3 34.9#



#59

2-Hexanone

Concen: 0.374 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053500.D

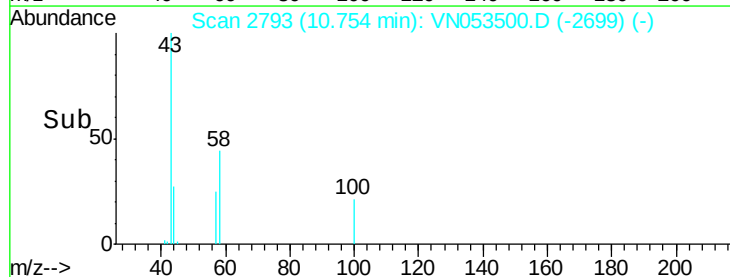
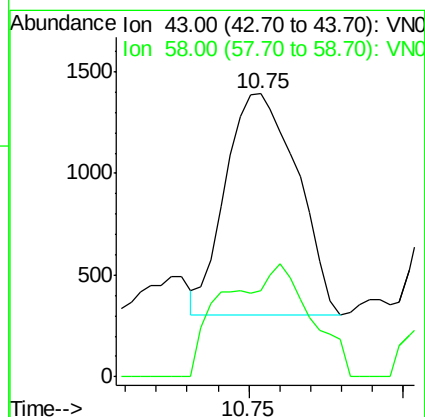
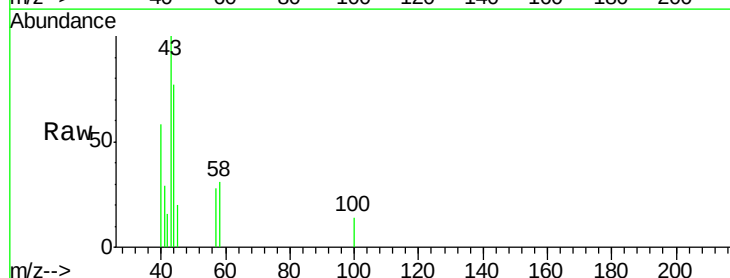
Acq: 21 Jan 2019 12:18

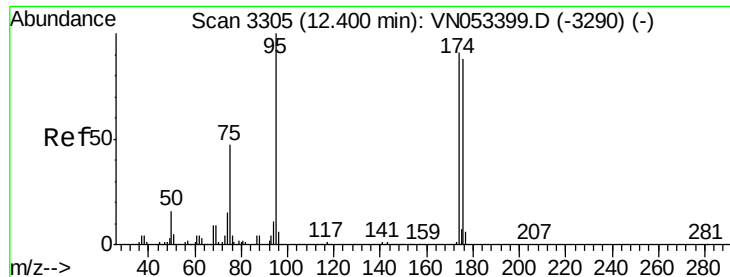
Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

58 60.8 28.6 85.8





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampleId :

TRE-COMP-1

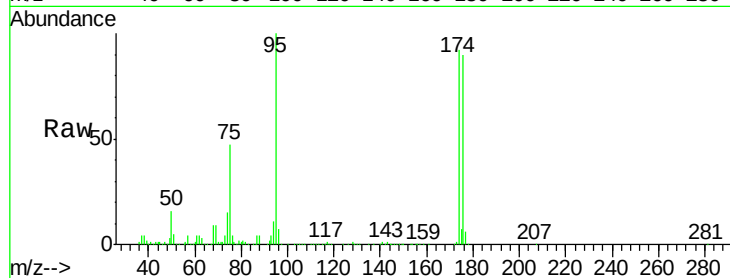
Tot Ion: 95 Resp: 559122

Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.2

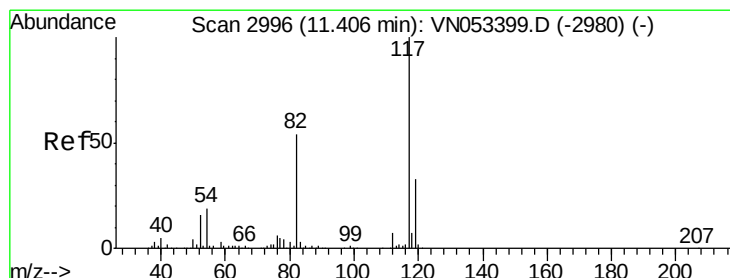
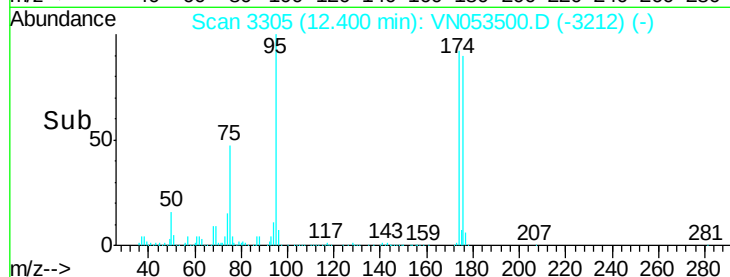
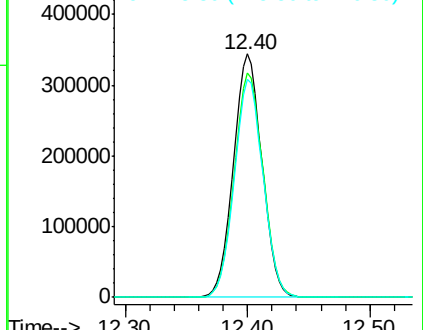
176 89.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

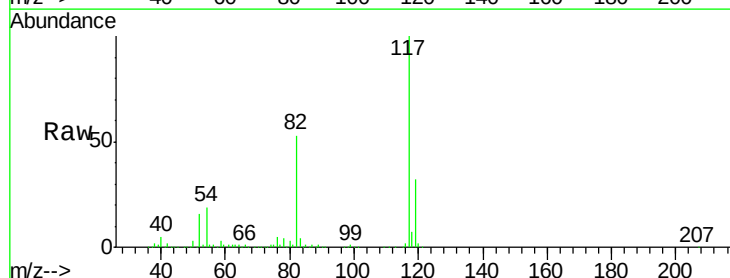
Tgt Ion: 117 Resp: 1229144

Ion Ratio Lower Upper

117 100

82 53.0 42.9 64.3

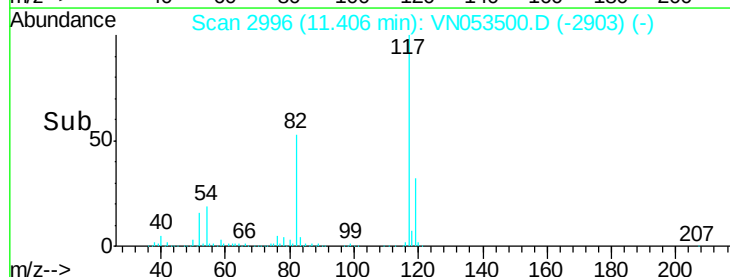
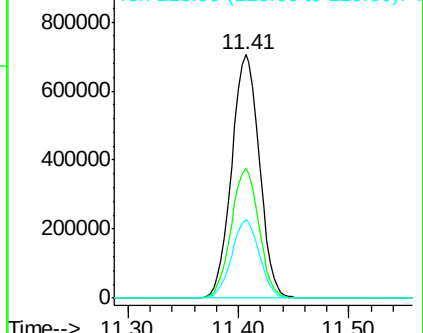
119 32.1 26.0 39.0



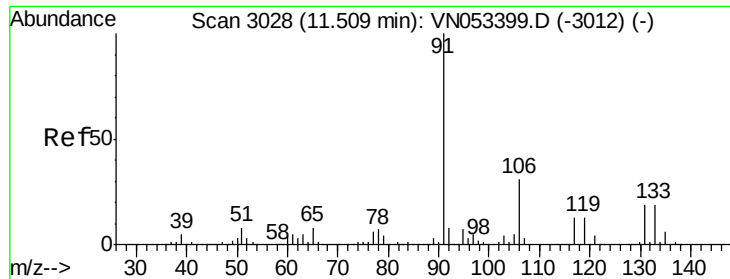
Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)



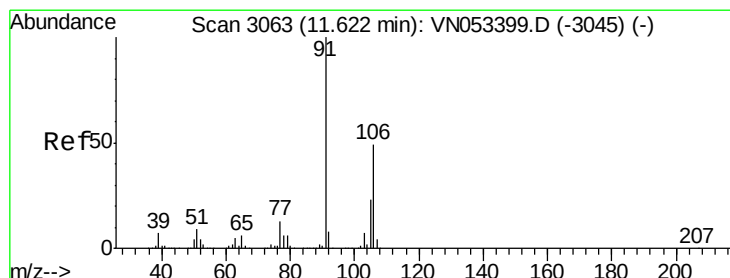
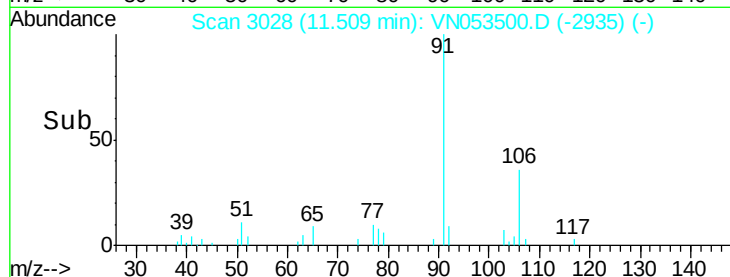
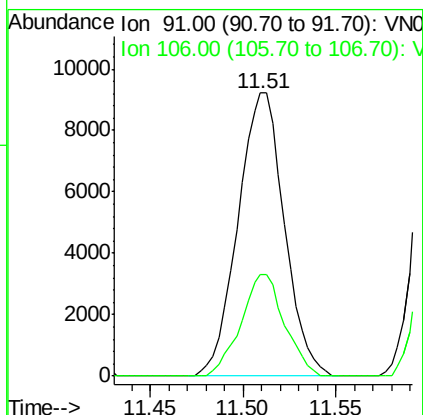
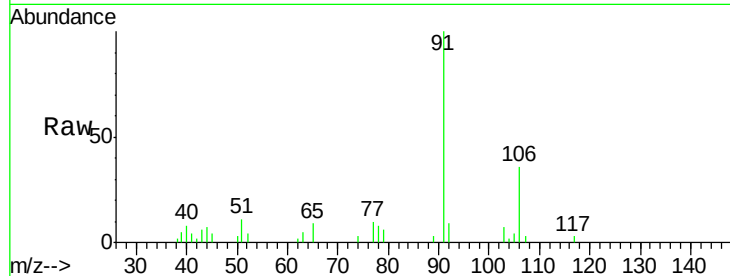




#67  
Ethyl Benzene  
Concen: 0.361 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

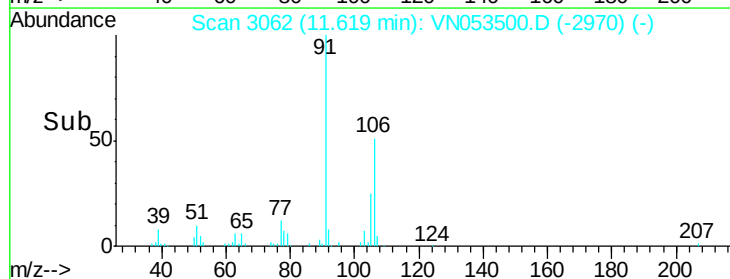
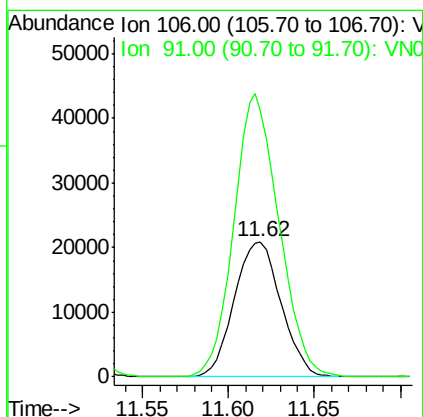
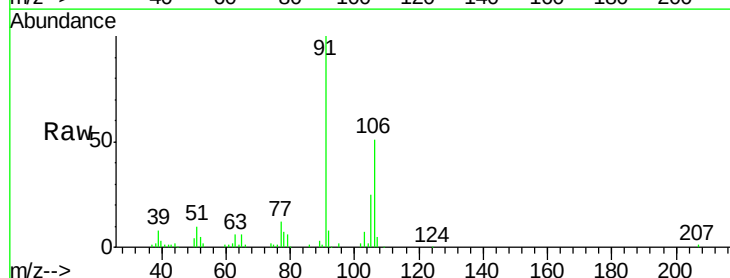
Instrument :  
MSVOA\_N  
ClientSampled :  
TRE-COMP-1

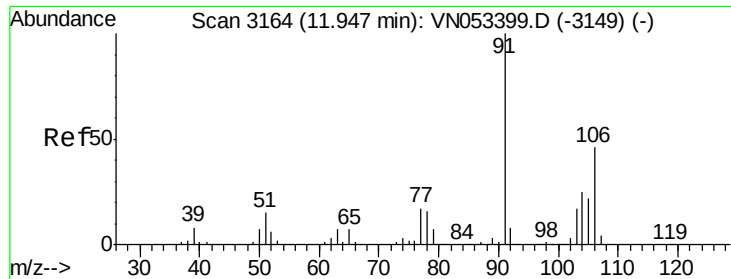
Tot Ion: 91 Resp: 15988  
Ion Ratio Lower Upper  
91 100  
106 36.0 25.0 37.6



#68  
m/p-Xylenes  
Concen: 2.361 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion: 106 Resp: 39523  
Ion Ratio Lower Upper  
106 100  
91 201.8 161.4 242.2

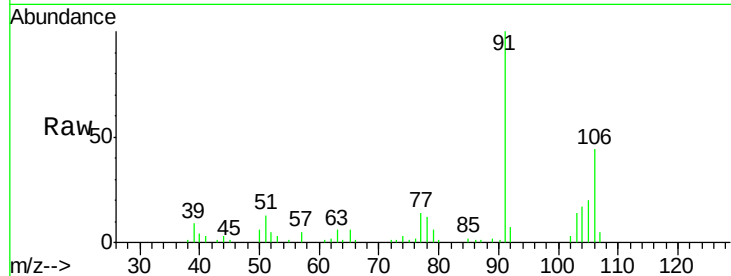




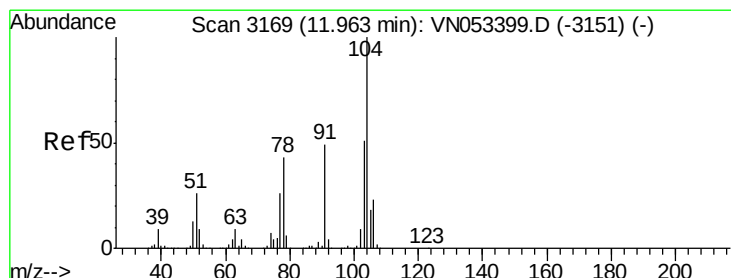
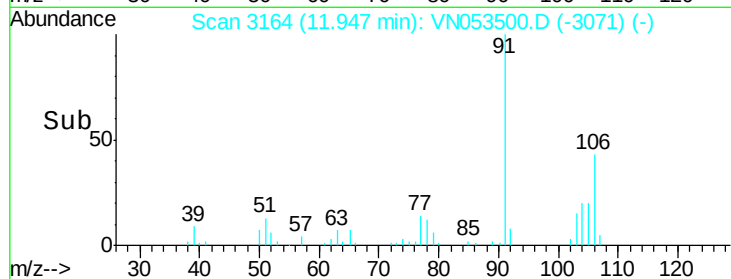
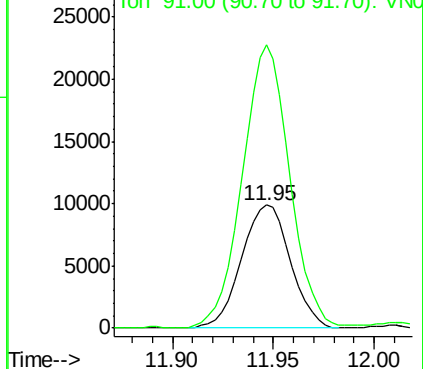
#69  
o-Xylene  
Concen: 1.029 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Instrument :  
MSVOA\_N  
ClientSampled :  
TRE-COMP-1

Tot Ion:106 Resp: 16733  
Ion Ratio Lower Upper  
106 100  
91 223.1 106.9 320.8

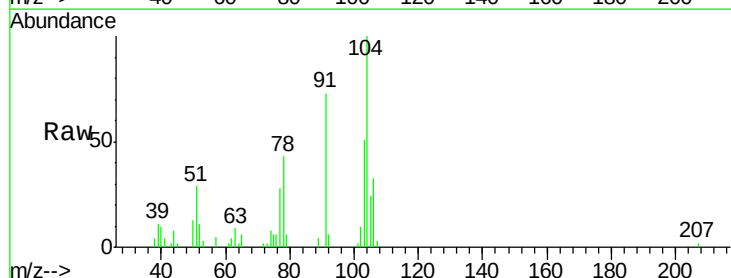


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

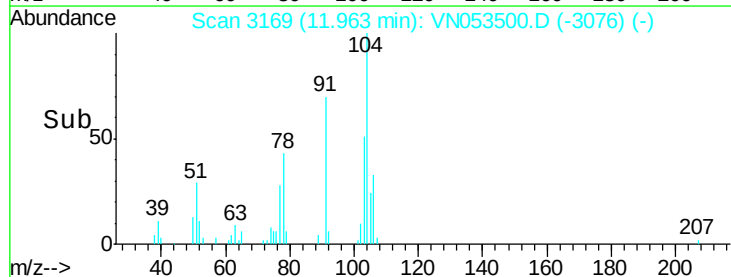
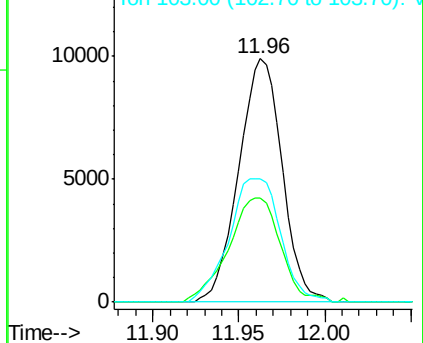


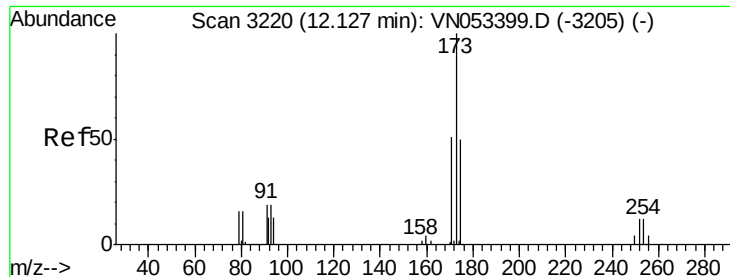
#70  
Styrene  
Concen: 0.659 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion:104 Resp: 17385  
Ion Ratio Lower Upper  
104 100  
78 51.4 38.2 57.2  
103 60.4 44.4 66.6



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

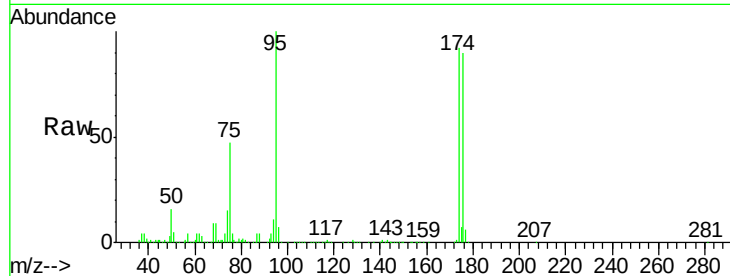




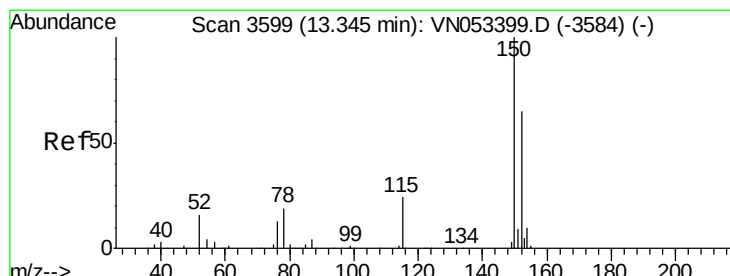
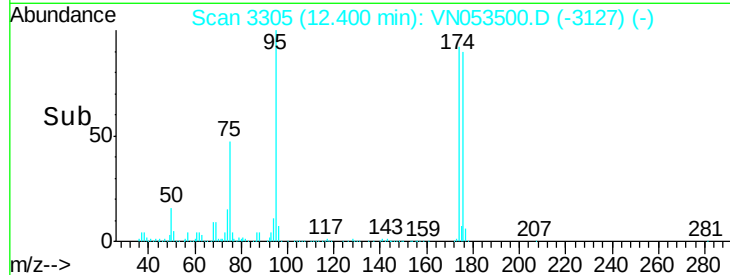
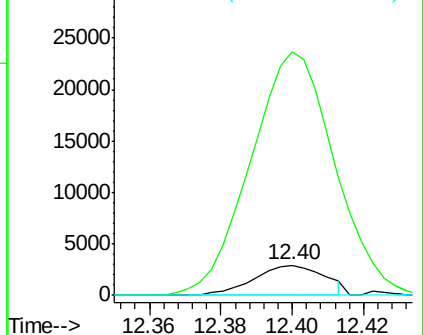
#71  
Bromoform  
Concen: 0.640 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Instrument :  
MSVOA\_N  
ClientSampled :  
TRE-COMP-1

Tot Ion:173 Resp: 3987  
Ion Ratio Lower Upper  
173 100  
175 872.7 24.6 74.0#  
254 0.0 0.2 0.2#

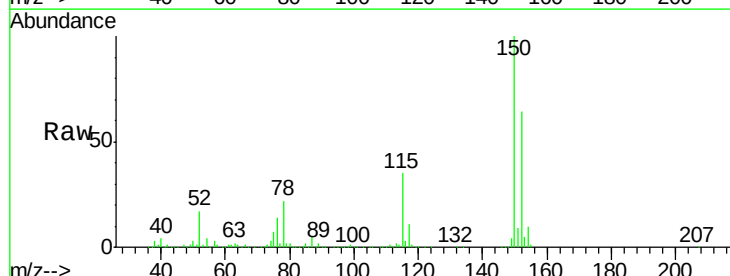


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

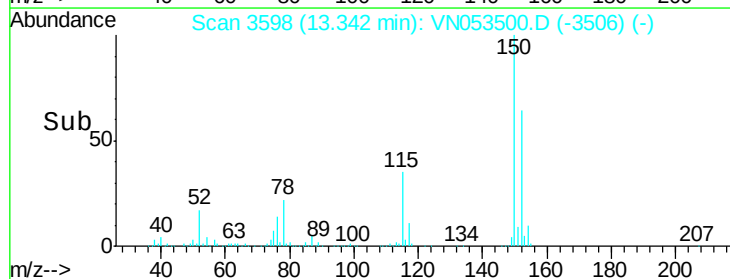
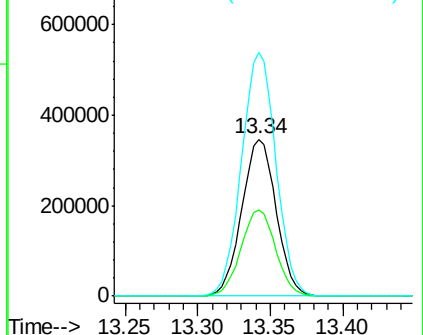


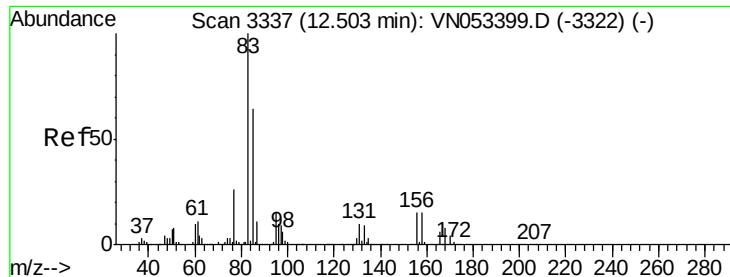
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053500.D  
Acq: 21 Jan 2019 12:18

Tgt Ion:152 Resp: 570887  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.8 83.4  
150 156.0 0.0 349.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: 3.165 ug/l

RT: 12.36 min Scan# 3294

Delta R.T. -0.14 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

TRE-COMP-1

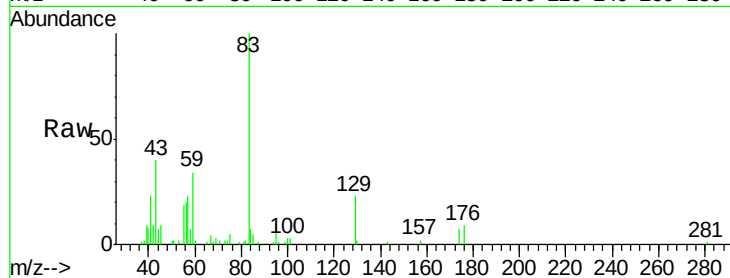
Tot Ion: 83 Resp: 27747

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

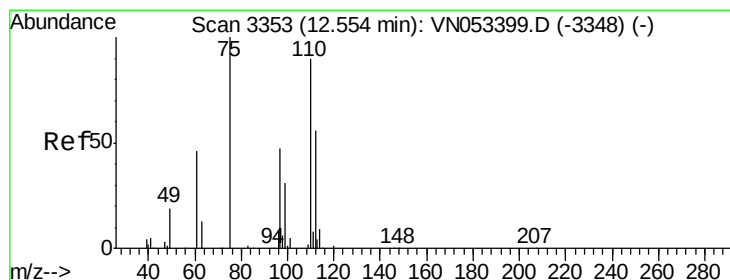
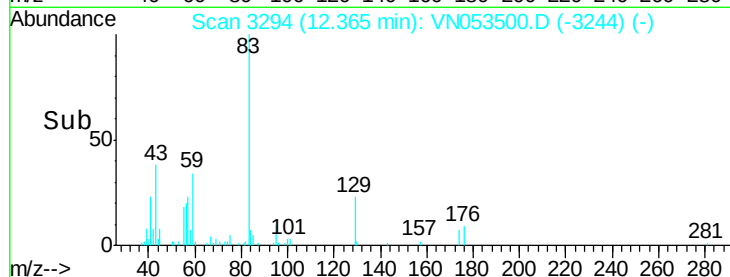
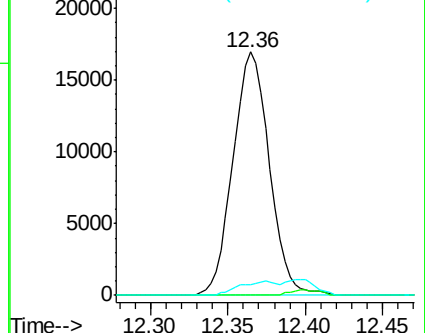
85 6.2 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.101 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053500.D

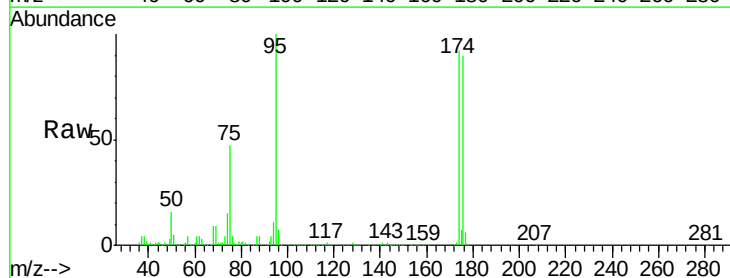
Acq: 21 Jan 2019 12:18

Tgt Ion: 75 Resp: 264070

Ion Ratio Lower Upper

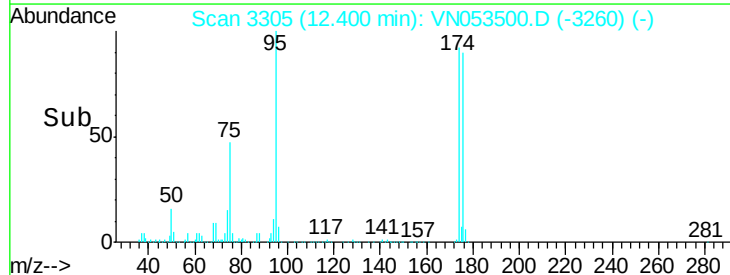
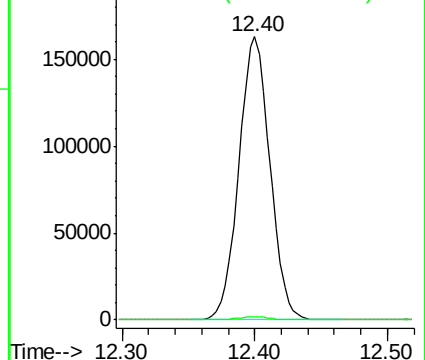
75 100

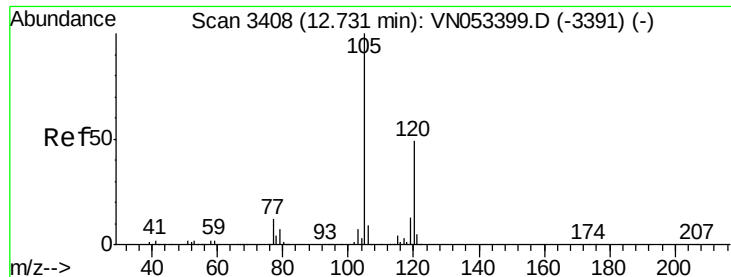
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.260 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

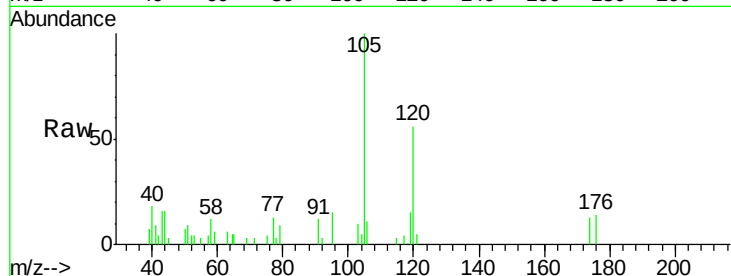
TRE-COMP-1

Tot Ion:105 Resp: 8848

Ion Ratio Lower Upper

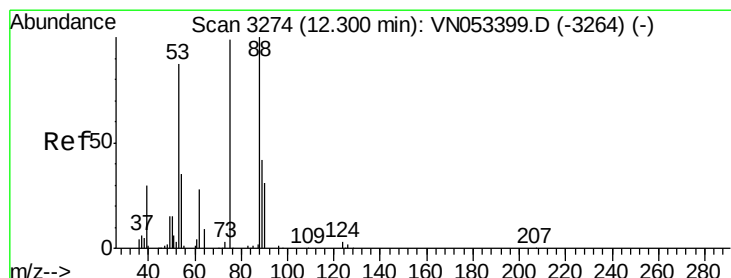
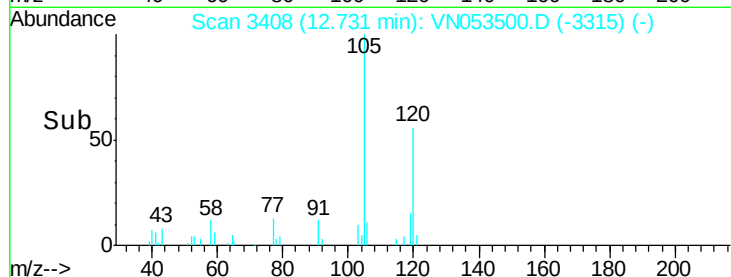
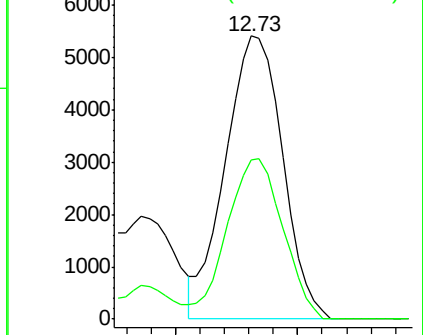
105 100

120 55.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 86.864 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

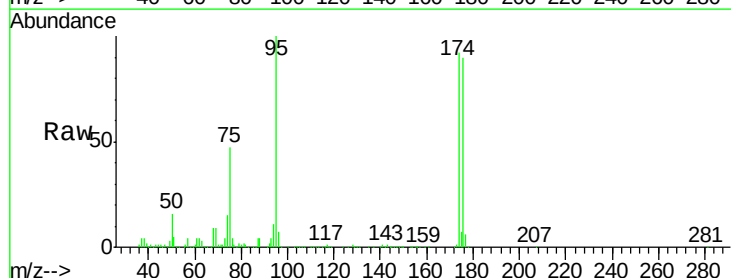
Tgt Ion: 75 Resp: 264070

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

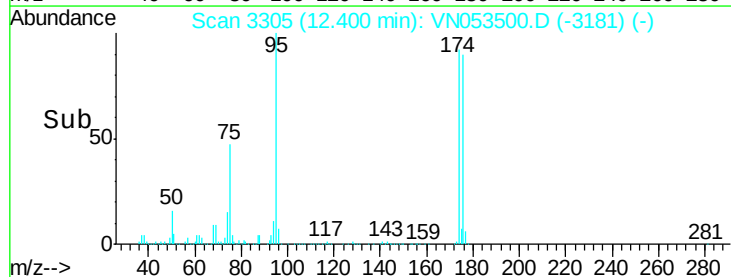
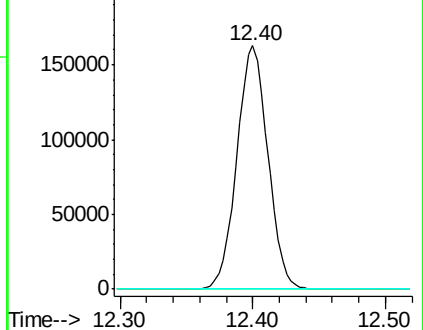
89 0.0 35.6 53.4#

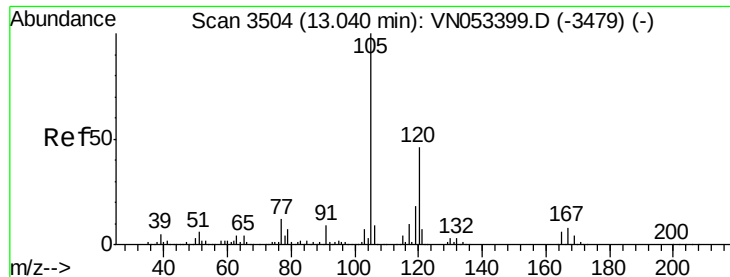


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.591 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampled :

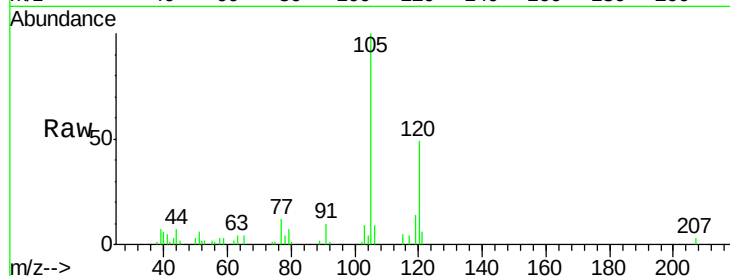
TRE-COMP-1

Tot Ion:105 Resp: 20264

Ion Ratio Lower Upper

105 100

120 47.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

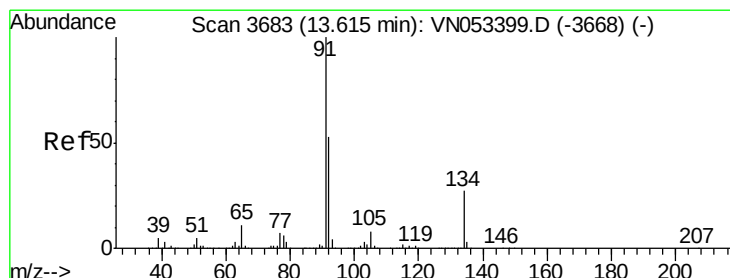
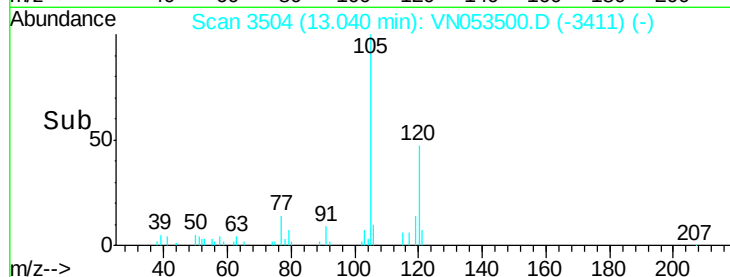
13.04

10000

5000

0

Time-->



#89

n-Butylbenzene

Concen: 0.202 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

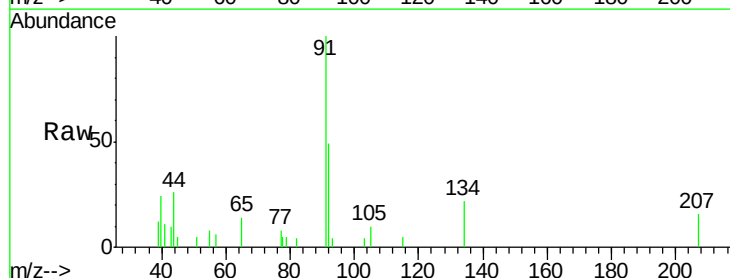
Tgt Ion: 91 Resp: 6165

Ion Ratio Lower Upper

91 100

92 46.9 26.3 78.8

134 22.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO

Ion 134.00 (133.70 to 134.70): VNO

13.61

5000

4000

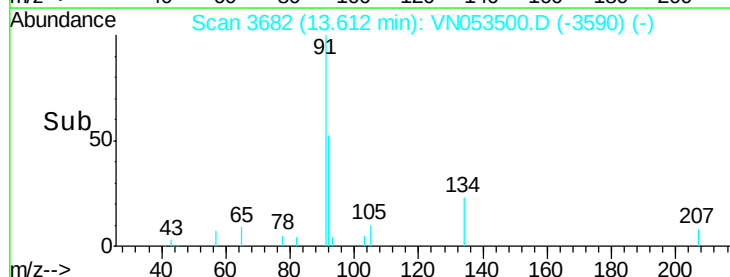
3000

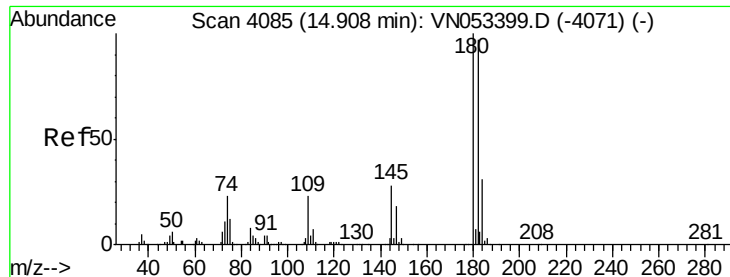
2000

1000

0

Time-->

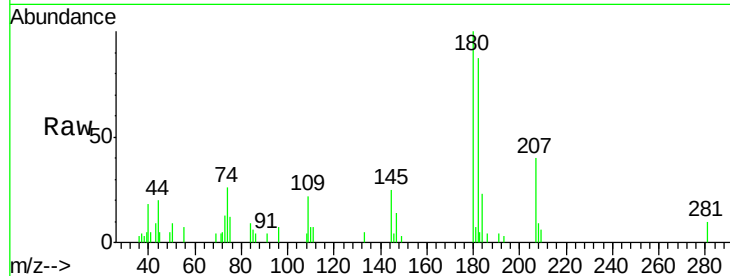




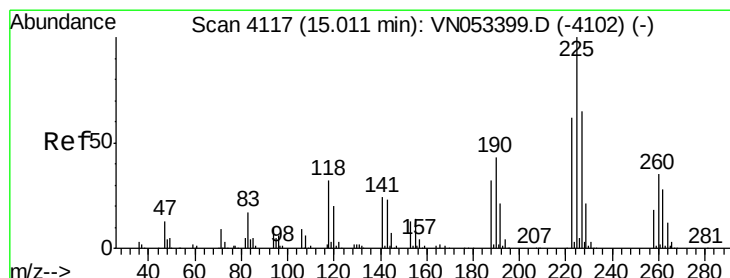
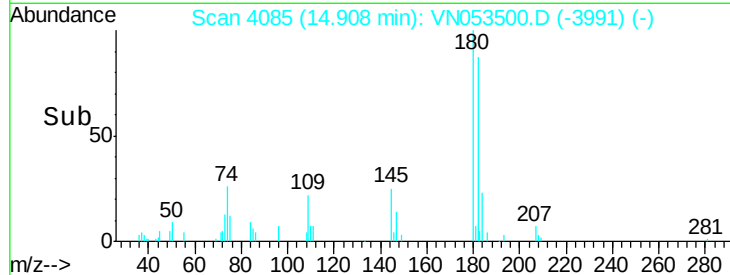
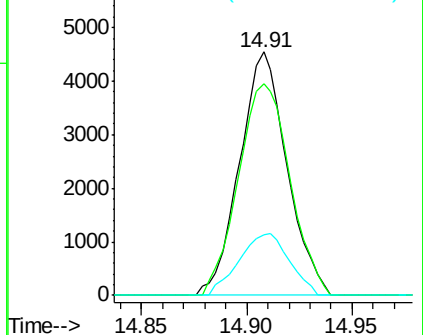
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.618 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TRE-COMP-1

Tot Ion:180 Resp: 7096  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 48.1 144.3  
 145 26.8 13.9 41.6

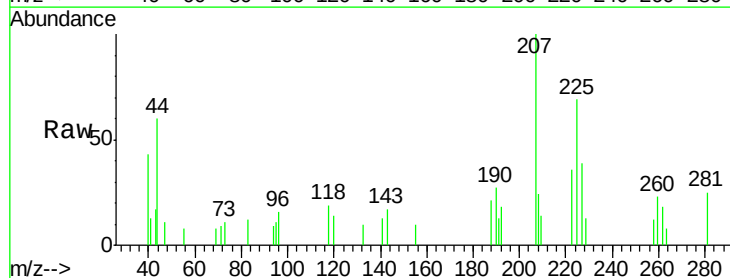


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

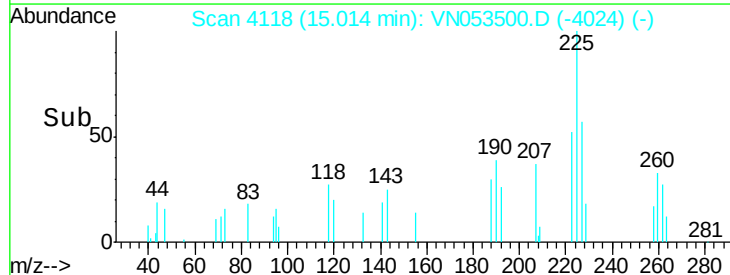
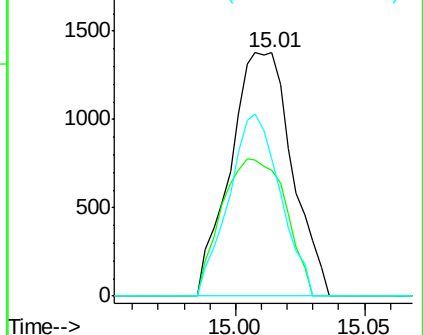


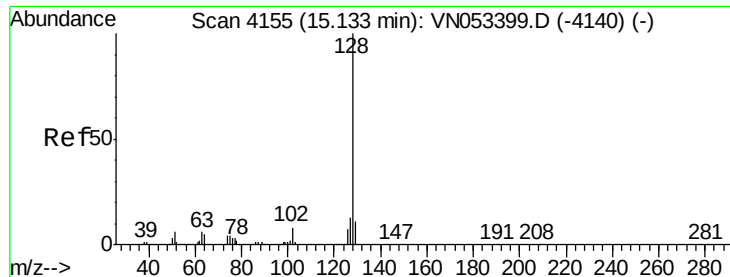
#94  
 Hexachlorobutadiene  
 Concen: 0.412 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN053500.D  
 Acq: 21 Jan 2019 12:18

Tgt Ion:225 Resp: 2294  
 Ion Ratio Lower Upper  
 225 100  
 223 58.5 31.1 93.2  
 227 62.2 32.0 96.2



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





#95

Naphthalene

Concen: 9.718 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

Instrument :

MSVOA\_N

ClientSampleId :

TRE-COMP-1

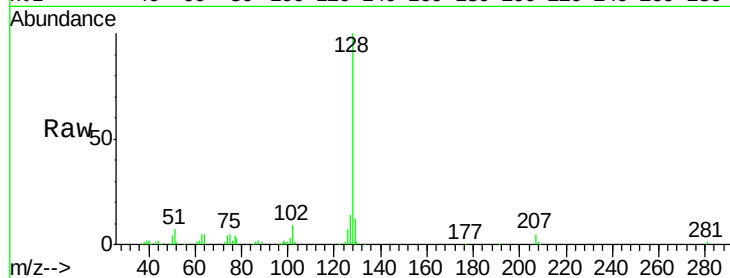
Tot Ion:128 Resp: 86584

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

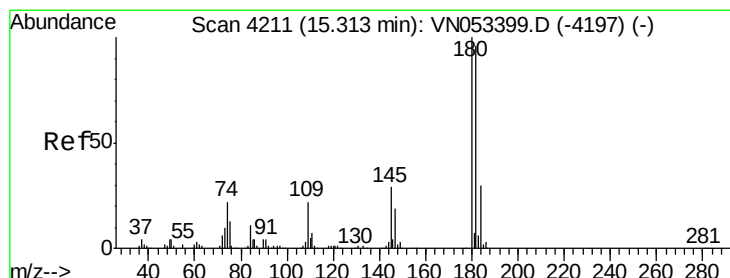
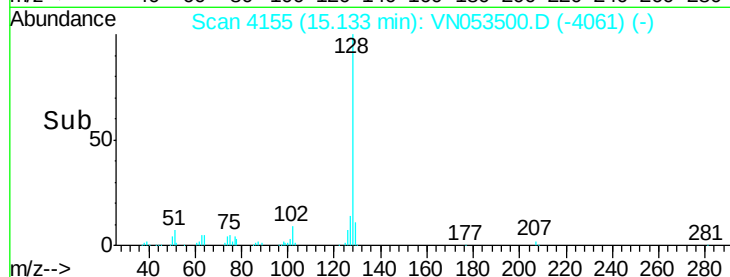
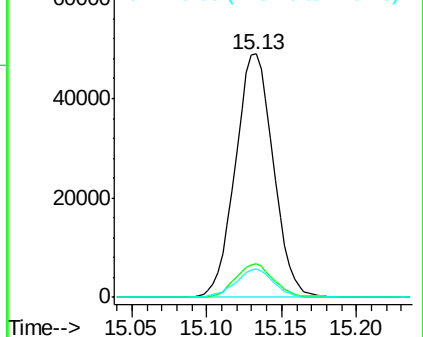
129 11.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.096 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053500.D

Acq: 21 Jan 2019 12:18

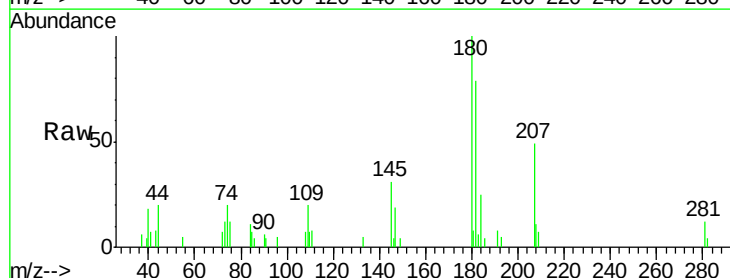
Tgt Ion:180 Resp: 7442

Ion Ratio Lower Upper

180 100

182 92.6 47.9 143.8

145 31.6 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

