

Data File : VN055653.D  
Acq On : 18 May 2019 9:14  
Operator : JC/SP  
Sample : K2896-08  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 61 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-20-S

Quant Time: May 20 02:19:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 417671   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 592347   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 508828   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 219539   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 192678   | 42.08 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.16% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 183582   | 48.79 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.58% |      |
| 50) Toluene-d8              | 10.09  | 98  | 683440   | 48.04 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.08% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 227875   | 46.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.76% |      |

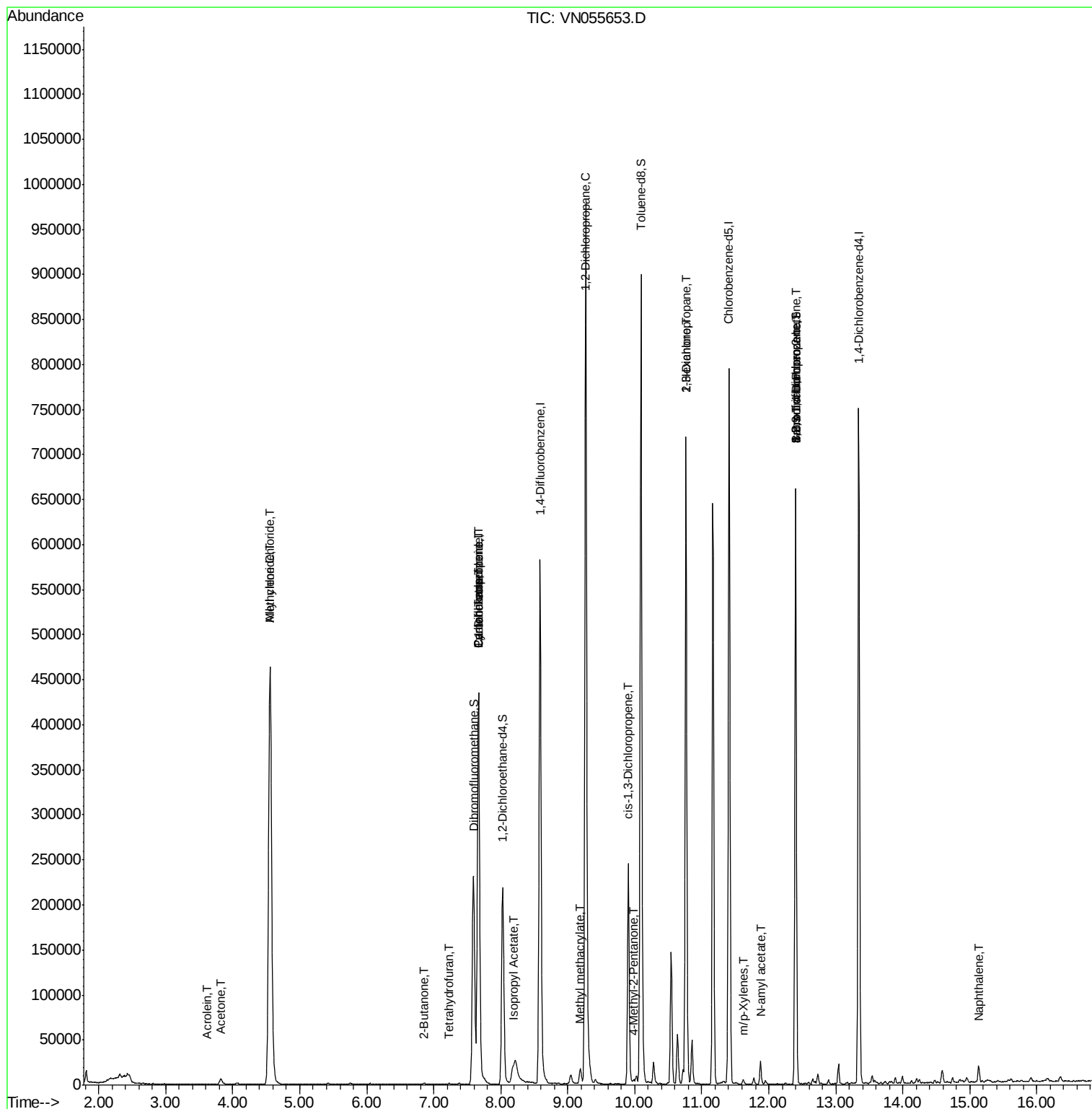
| Target Compounds               |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 13) Acrolein                   | 3.62  | 56  | 58     | 1.494     | ug/l # | 1   |
| 14) Allyl chloride             | 4.55  | 41  | 13655  | 2.217     | ug/l # | 26  |
| 16) Acetone                    | 3.82  | 43  | 10763  | 5.760     | ug/l # | 88  |
| 20) Methylene Chloride         | 4.56  | 84  | 387355 | 90.840    | ug/l   | 98  |
| 25) 2-Butanone                 | 6.85  | 43  | 2972   | 1.138     | ug/l # | 87  |
| 29) Tetrahydrofuran            | 7.21  | 42  | 488    | 0.282     | ug/l # | 31  |
| 31) Cyclohexane                | 7.66  | 56  | 6491   | 0.956     | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 24503  | 4.640     | ug/l # | 49  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 33848  | 5.998     | ug/l # | 15  |
| 43) Isopropyl Acetate          | 8.18  | 43  | 18078  | 2.181     | ug/l # | 83  |
| 45) 1,2-Dichloropropane        | 9.27  | 63  | 1408   | 0.344     | ug/l # | 43  |
| 48) Methyl methacrylate        | 9.18  | 41  | 6842   | 1.847     | ug/l # | 11  |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 3335   | 0.686     | ug/l   | 95  |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 50624  | 7.649     | ug/l # | 56  |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 8360   | 1.316     | ug/l # | 42  |
| 59) 2-Hexanone                 | 10.76 | 43  | 106889 | 31.222    | ug/l # | 50  |
| 68) m/p-Xylenes                | 11.62 | 106 | 1939   | 0.280     | ug/l   | 97  |
| 71) Bromoform                  | 12.40 | 173 | 1288   | 0.367     | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.25 | 105 | 967    | Below Cal | #      | 67  |
| 74) N-amyl acetate             | 11.88 | 43  | 7950   | 1.290     | ug/l # | 51  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 105036 | 23.447    | ug/l # | 100 |
| 79) 2-Chlorotoluene            | 12.68 | 91  | 355    | Below Cal | #      | 39  |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 5800   | Below Cal |        | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 105036 | 60.272    | ug/l # | 17  |
| 83) tert-Butylbenzene          | 12.99 | 119 | 231    | Below Cal | #      | 28  |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 13422  | Below Cal |        | 98  |
| 85) sec-Butylbenzene           | 13.17 | 105 | 1096   | Below Cal |        | 100 |
| 86) p-Isopropyltoluene         | 13.23 | 119 | 871    | Below Cal |        | 91  |
| 90) Hexachloroethane           | 13.89 | 117 | 282    | Below Cal | #      | 3   |
| 95) Naphthalene                | 15.13 | 128 | 17672  | 3.258     | ug/l   | 98  |

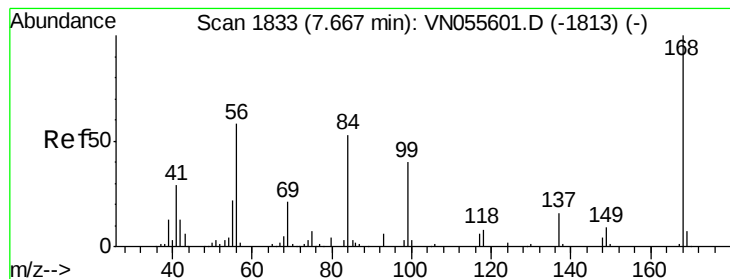
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

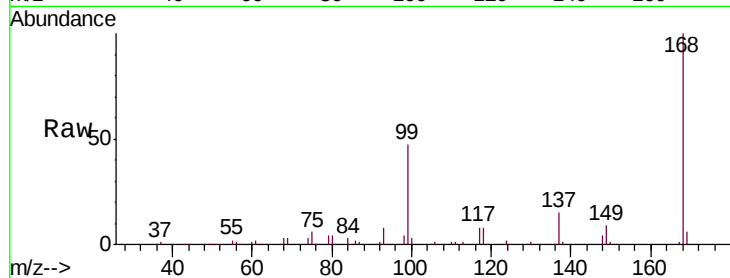
TP-20-S

Tgt Ion:168 Resp: 417671

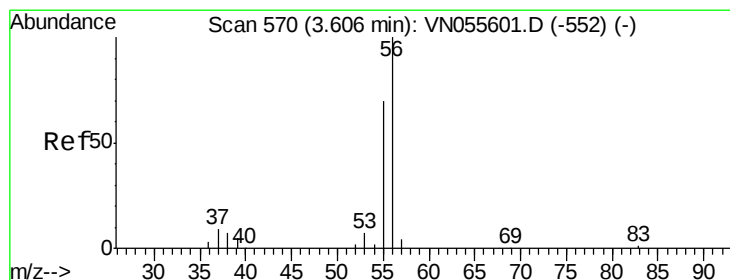
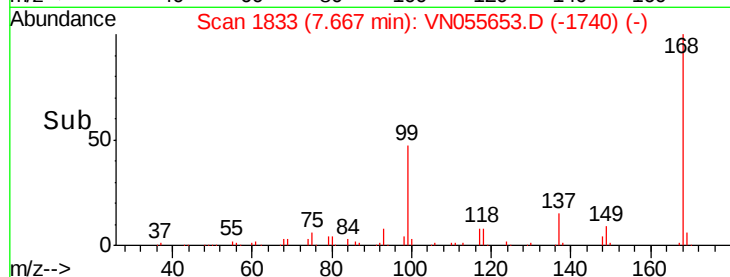
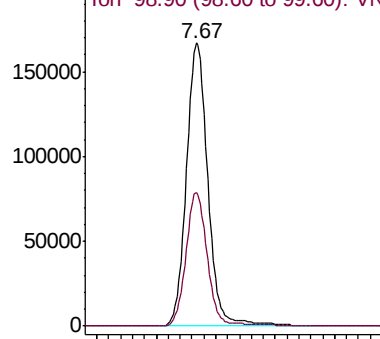
Ion Ratio Lower Upper

168 100

99 47.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055653.D (-1740) (-)



#13

Acrolein

Concen: 1.494 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055653.D

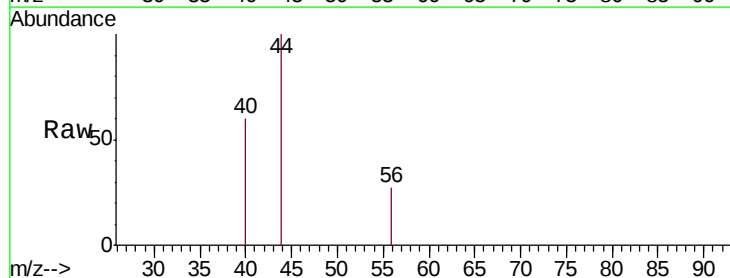
Acq: 18 May 2019 9:14

Tgt Ion: 56 Resp: 58

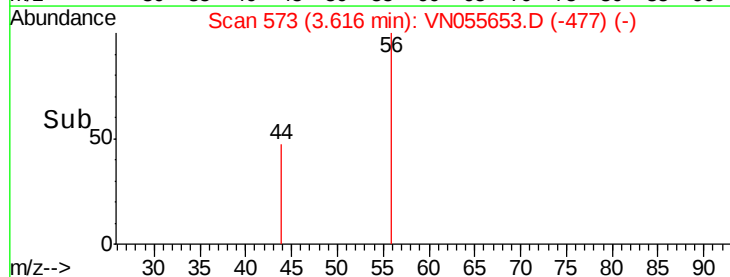
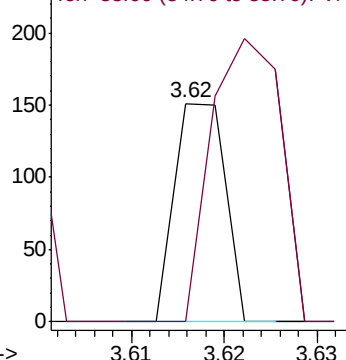
Ion Ratio Lower Upper

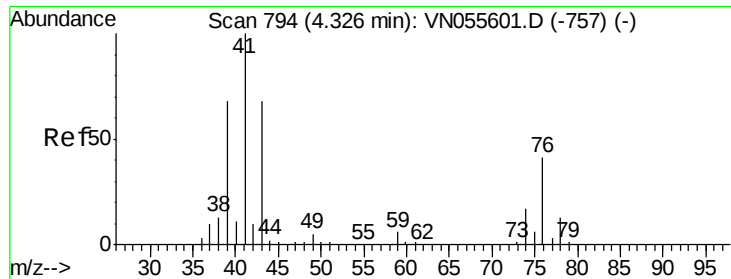
56 100

55 175.9 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN055653.D (-477) (-)





#14

Allyl chloride

Concen: 2.217 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampled :

TP-20-S

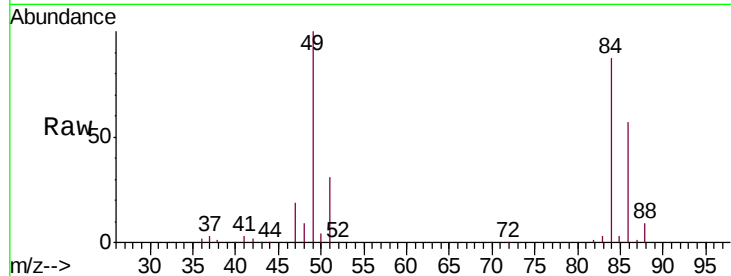
Tgt Ion: 41 Resp: 13655

Ion Ratio Lower Upper

41 100

39 0.0 50.5 75.7#

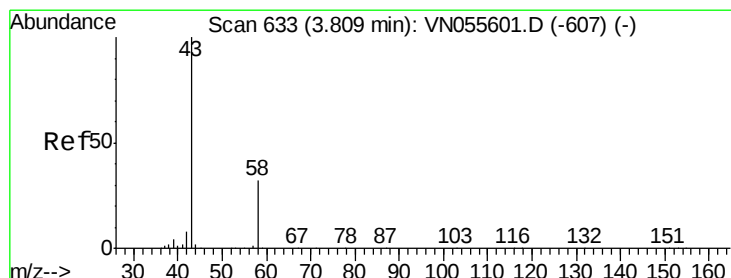
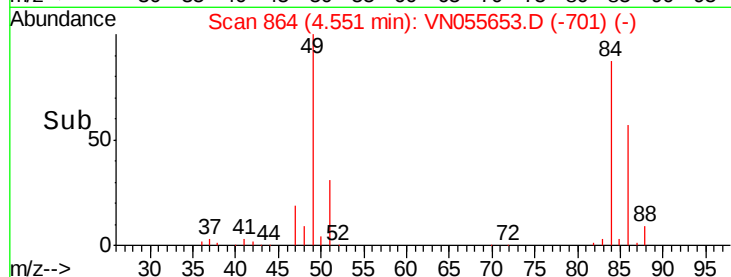
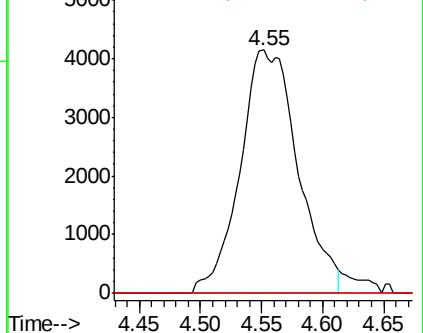
76 0.0 29.2 43.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 5.760 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055653.D

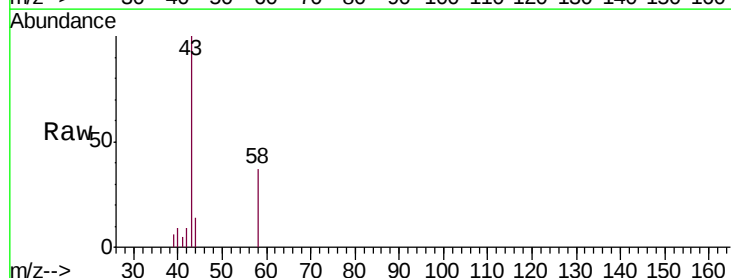
Acq: 18 May 2019 9:14

Tgt Ion: 43 Resp: 10763

Ion Ratio Lower Upper

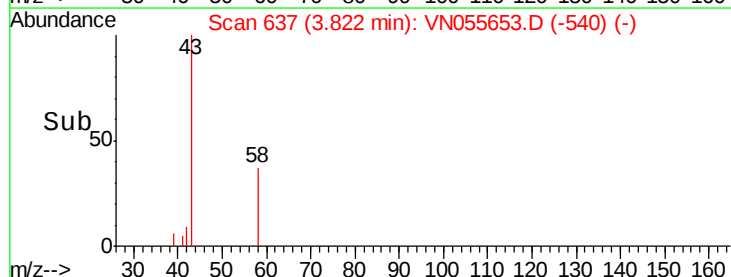
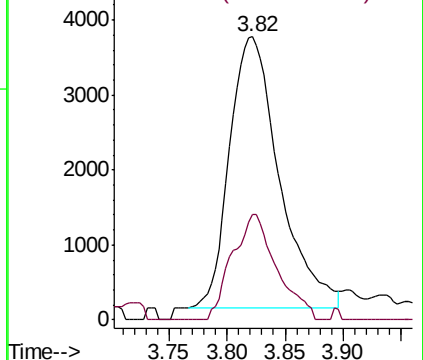
43 100

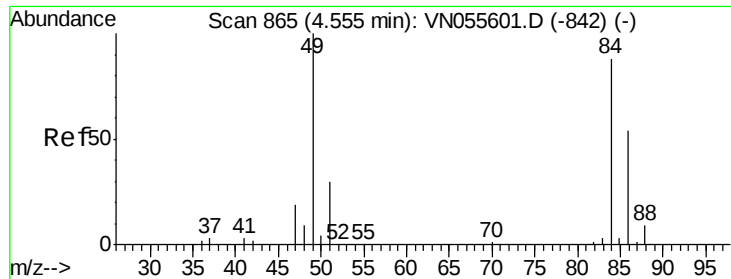
58 39.1 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

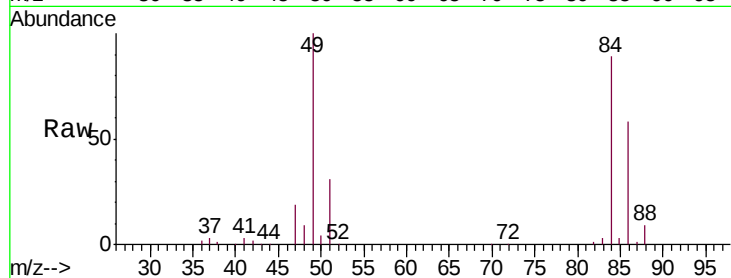




#20  
Methylene Chloride  
Concen: 90.840 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-20-S

Tgt Ion: 84 Resp: 387355  
Ion Ratio Lower Upper  
84 100  
49 112.0 91.0 136.4  
51 35.1 27.5 41.3  
86 65.2 49.4 74.0



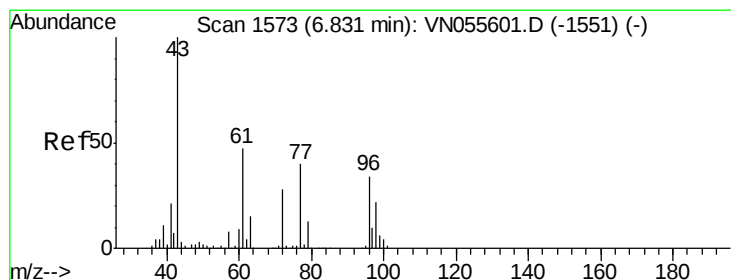
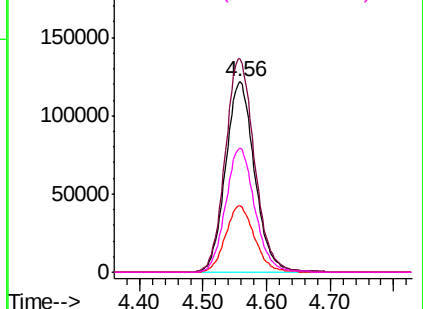
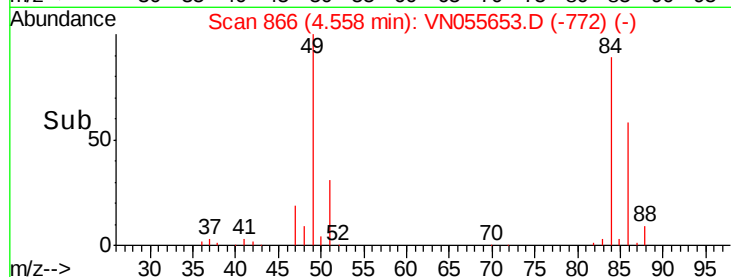
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

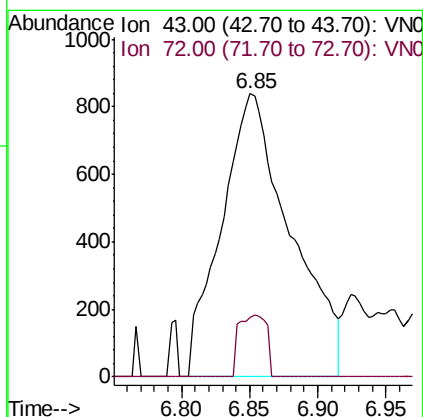
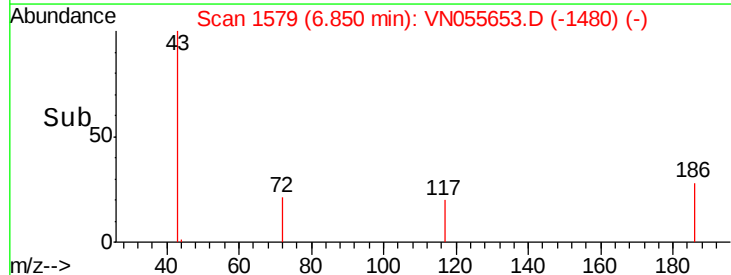
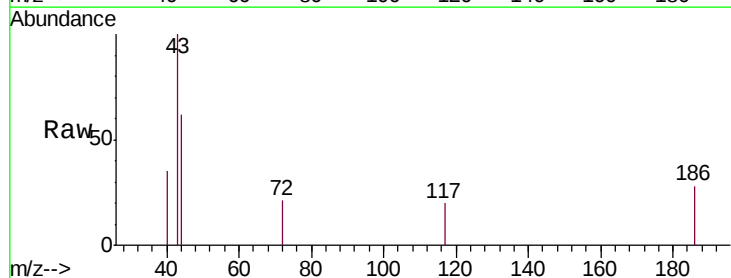
Ion 50.90 (50.60 to 51.60): VN0

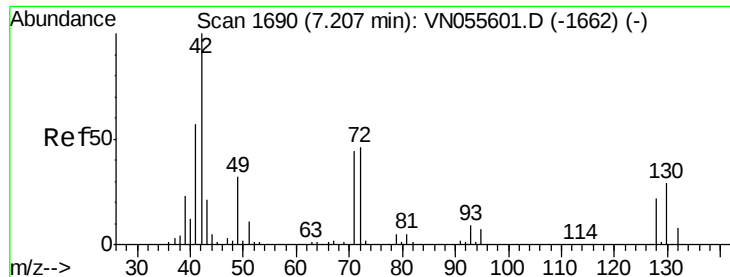
Ion 85.90 (85.60 to 86.60): VN0



#25  
2-Butanone  
Concen: 1.138 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.02 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Tgt Ion: 43 Resp: 2972  
Ion Ratio Lower Upper  
43 100  
72 20.9 22.3 33.5#





#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

TP-20-S

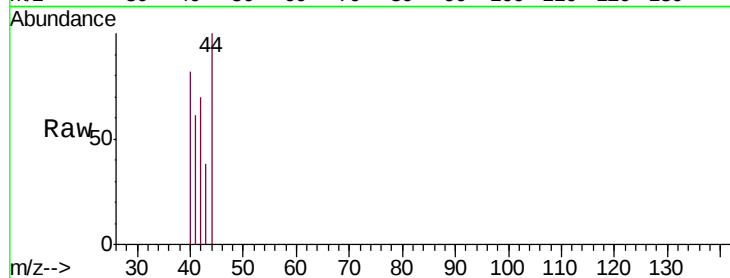
Tgt Ion: 42 Resp: 488

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

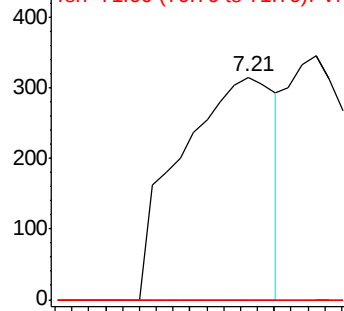
71 0.0 34.9 52.3#



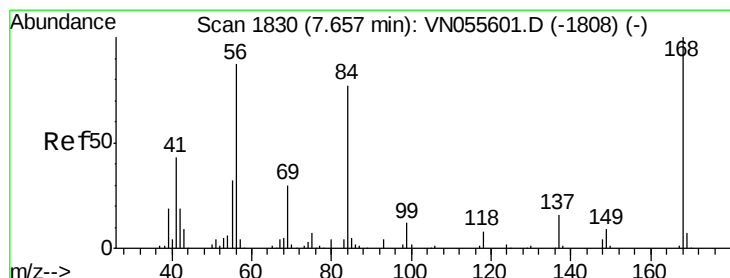
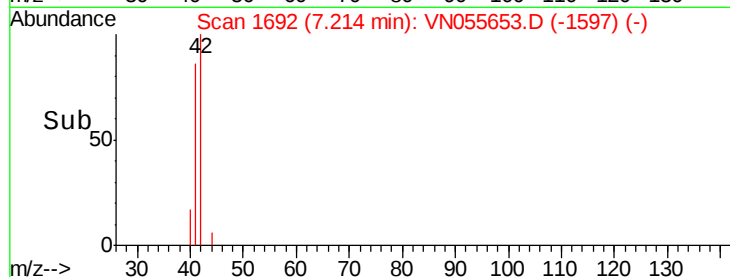
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 0.956 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

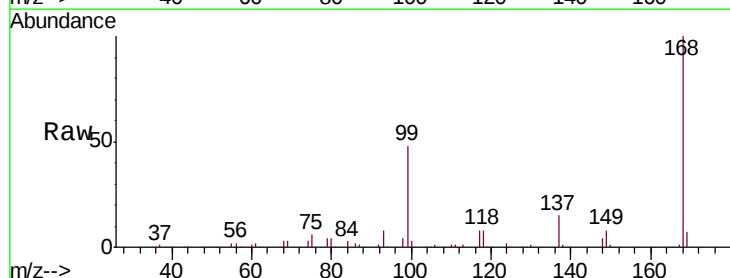
Tgt Ion: 56 Resp: 6491

Ion Ratio Lower Upper

56 100

69 181.1 27.2 40.8#

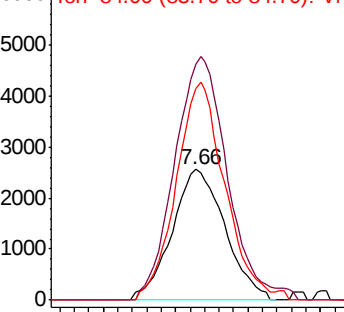
84 162.5 71.3 106.9#



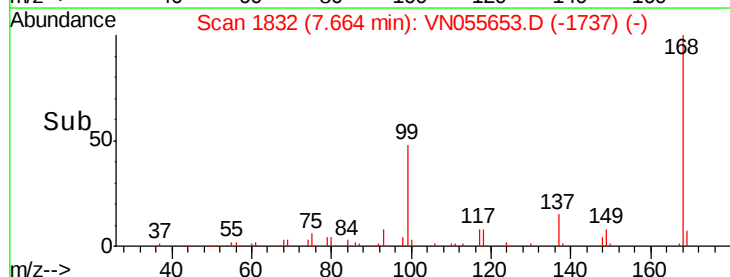
Abundance Ion 56.00 (55.70 to 56.70): VN0

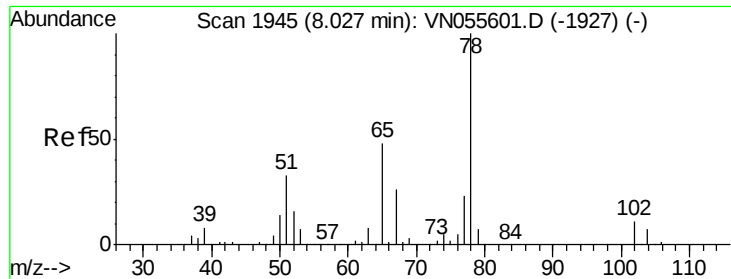
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

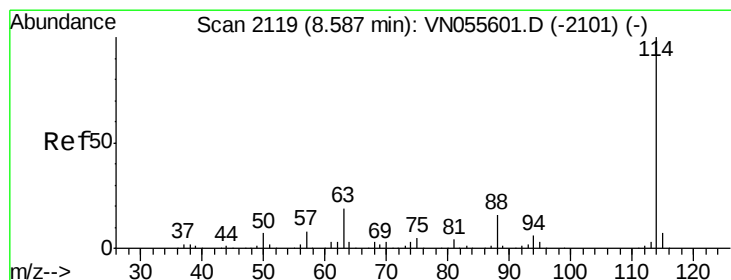
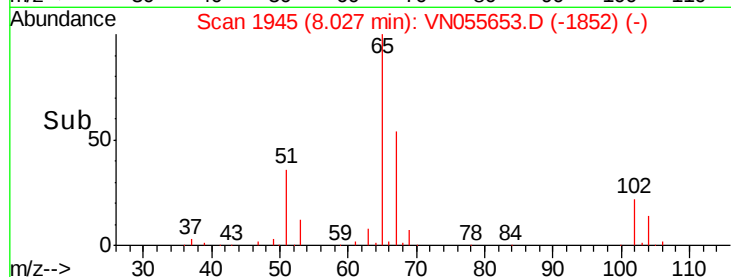
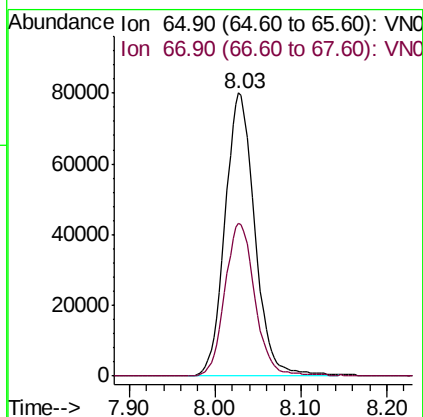
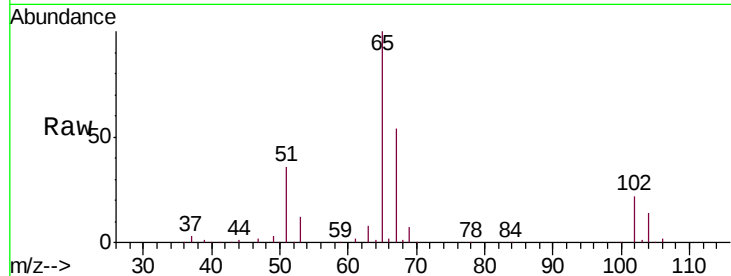




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.083 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

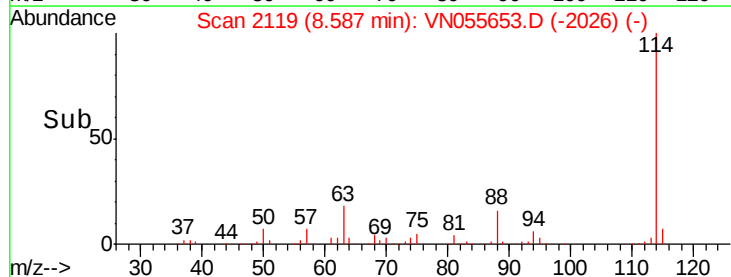
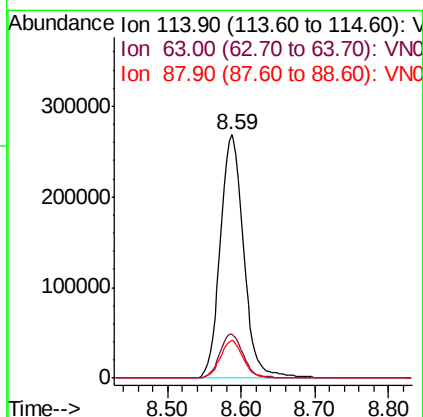
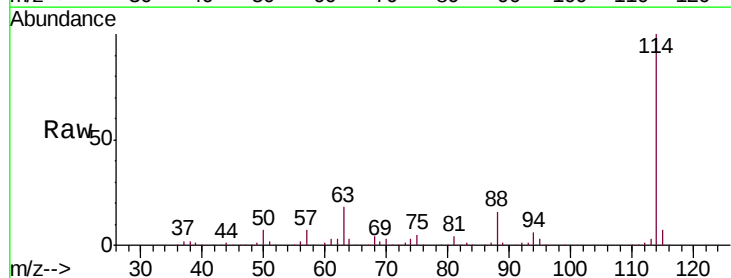
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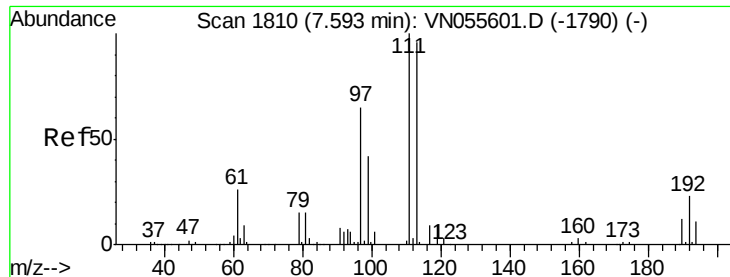
Tgt Ion: 65 Resp: 192678  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Tgt Ion: 114 Resp: 592347  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 38.2  
 88 15.5 0.0 31.0

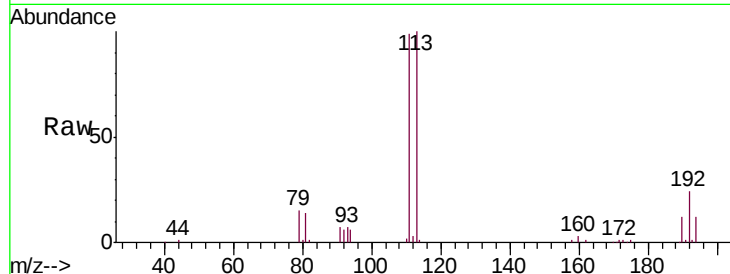




#35  
 Dibromofluoromethane  
 Concen: 48.788 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-20-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 82.5  | 123.7 |
| 192     | 23.4  | 18.7  | 28.1  |

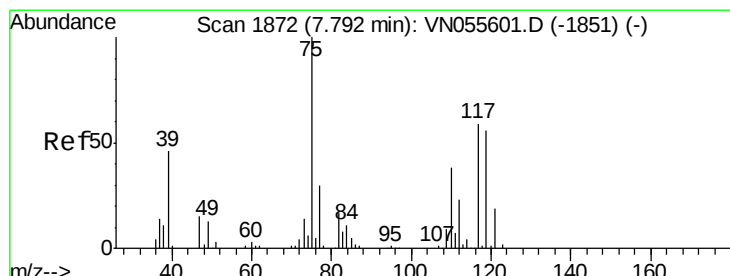
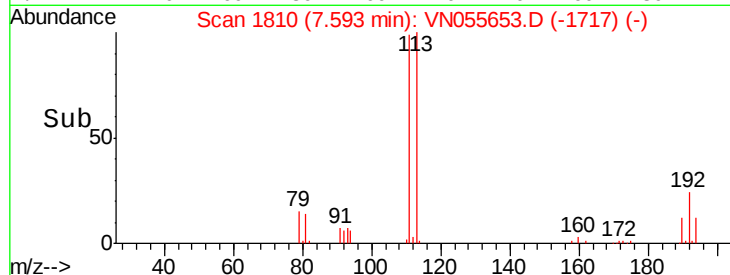
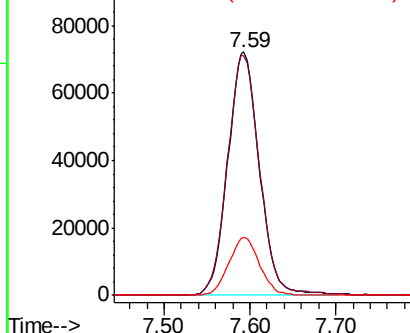


Abundance

Ion 112.80 (112.50 to 113.50): V

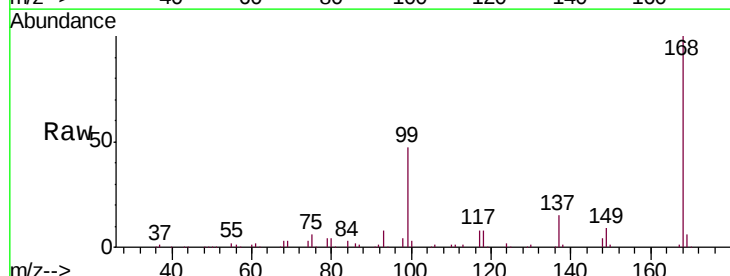
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 4.640 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.0   | 18.6  | 55.6# |
| 77      | 0.0   | 24.9  | 37.3# |

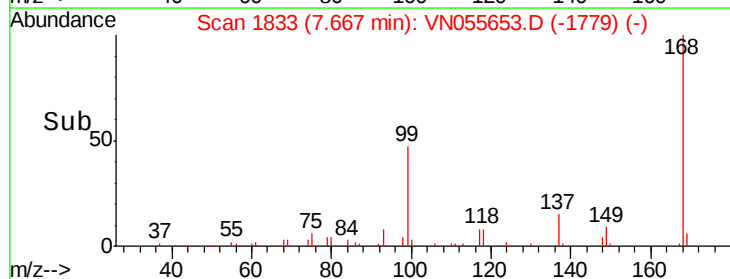
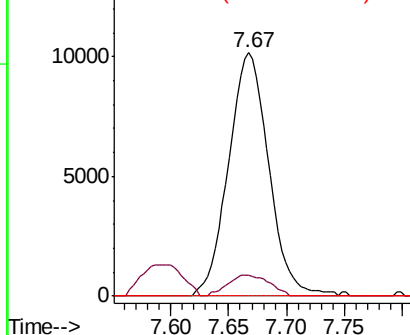


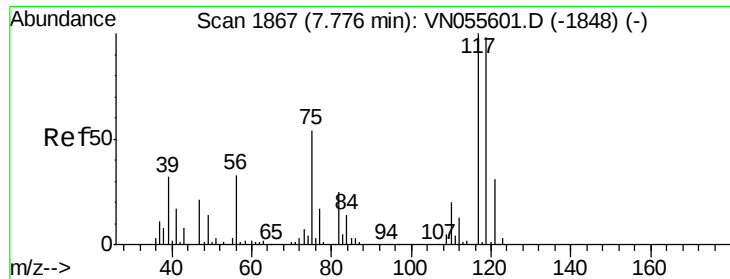
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

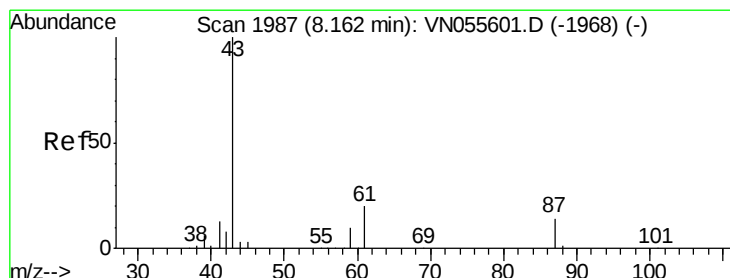
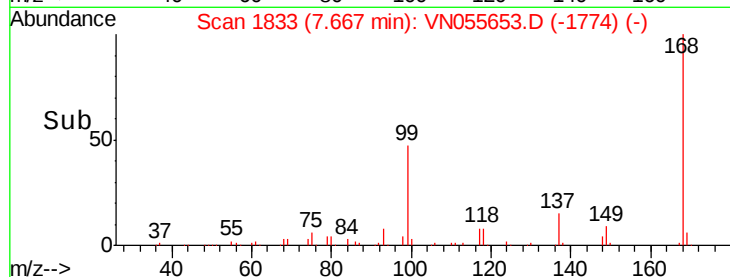
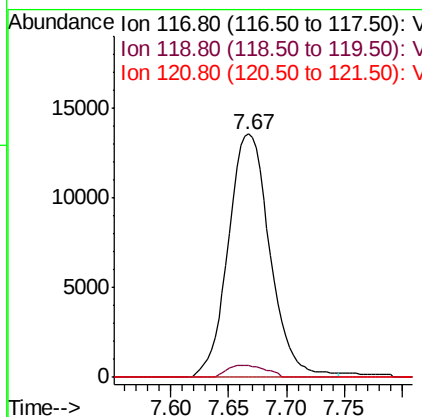
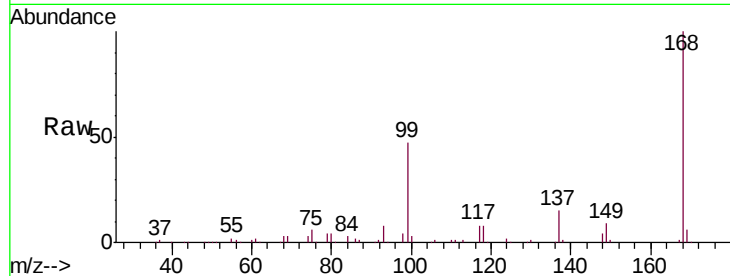




#38  
Carbon Tetrachloride  
Concen: 5.998 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.11 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

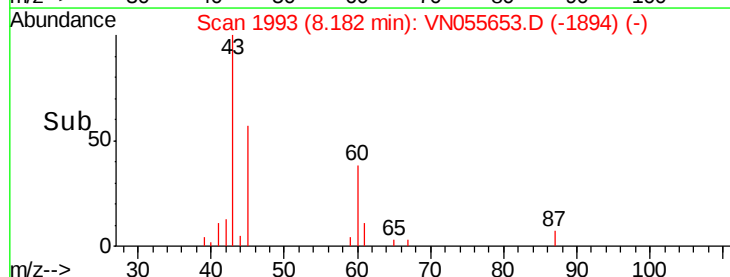
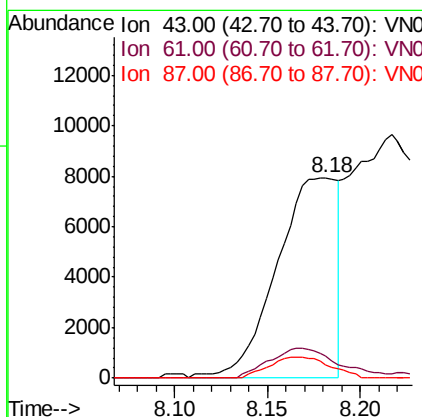
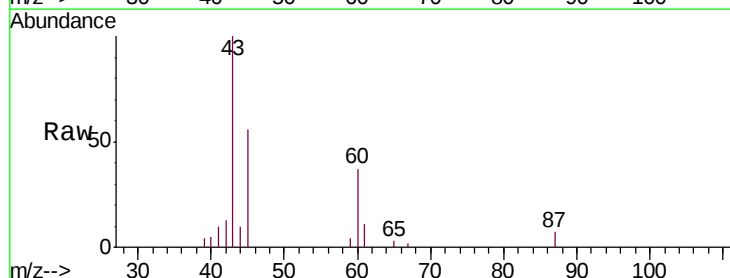
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-20-S

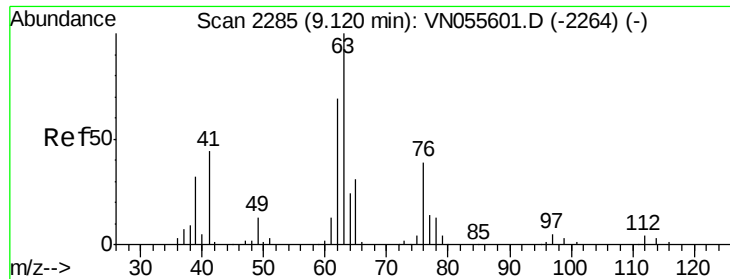
Tgt Ion: 117 Resp: 33848  
Ion Ratio Lower Upper  
117 100  
119 5.0 77.8 116.8#  
121 0.0 24.6 37.0#



#43  
Isopropyl Acetate  
Concen: 2.181 ug/l  
RT: 8.18 min Scan# 1993  
Delta R.T. 0.02 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Tgt Ion: 43 Resp: 18078  
Ion Ratio Lower Upper  
43 100  
61 17.0 22.1 33.1#  
87 10.4 11.8 17.6#





#45

1,2-Dichloropropane

Concen: 0.344 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

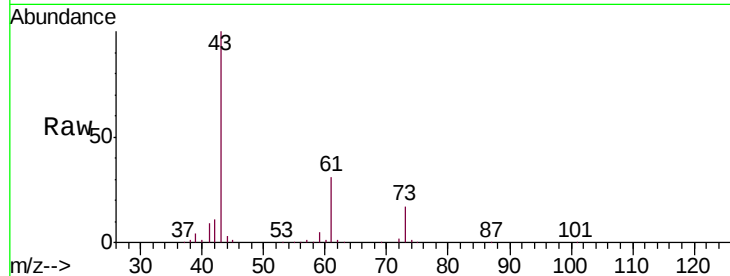
TP-20-S

Tgt Ion: 63 Resp: 1408

Ion Ratio Lower Upper

63 100

65 0.0 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.27

800

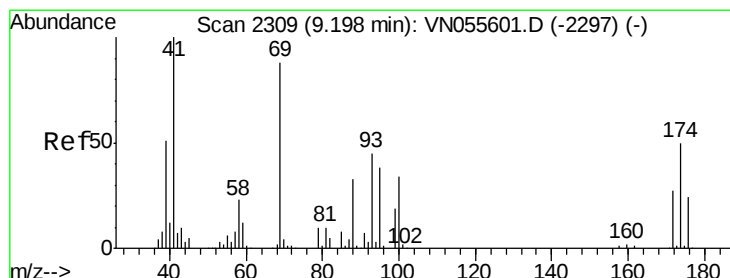
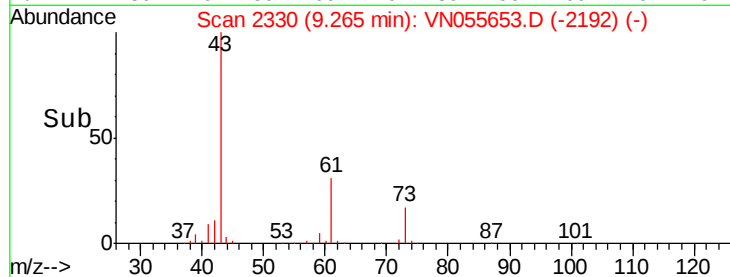
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.847 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

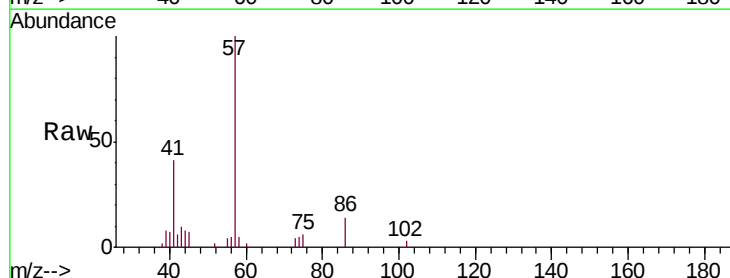
Tgt Ion: 41 Resp: 6842

Ion Ratio Lower Upper

41 100

69 0.0 74.2 111.2#

39 0.0 43.8 65.8#



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

60000

50000

40000

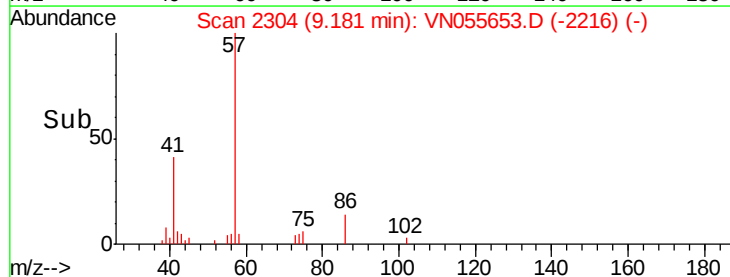
30000

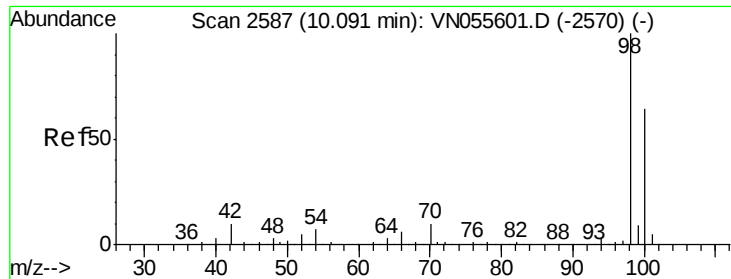
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 48.035 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampled :

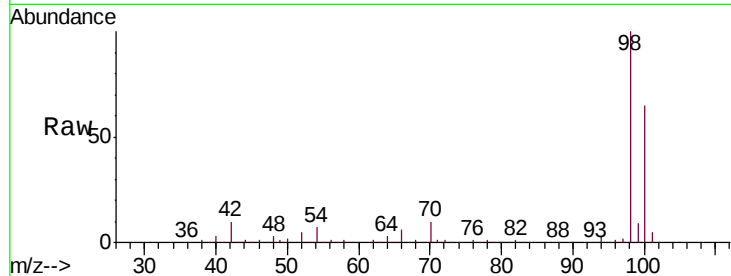
TP-20-S

Tgt Ion: 98 Resp: 683440

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055601.D (-2570) (-)

10.09

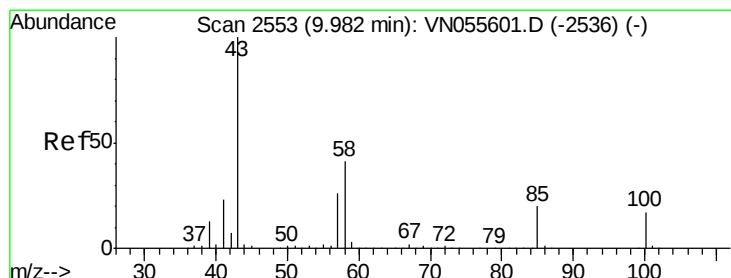
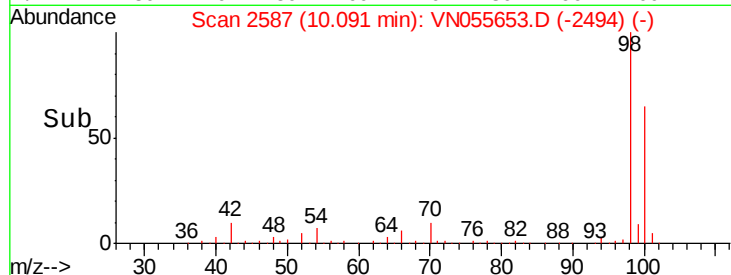
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.686 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055653.D

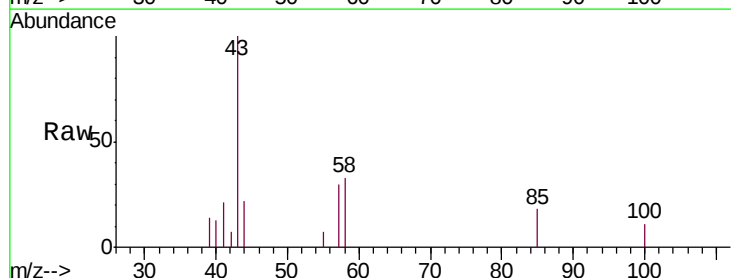
Acq: 18 May 2019 9:14

Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

58 44.0 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

5000

4000

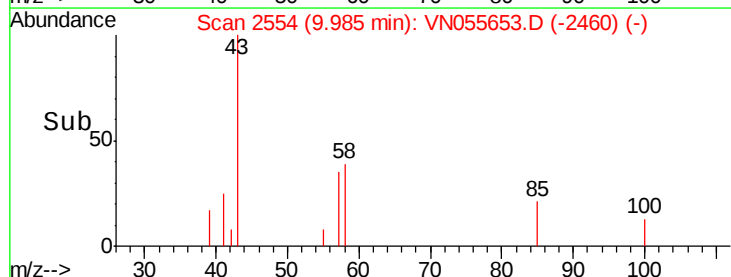
3000

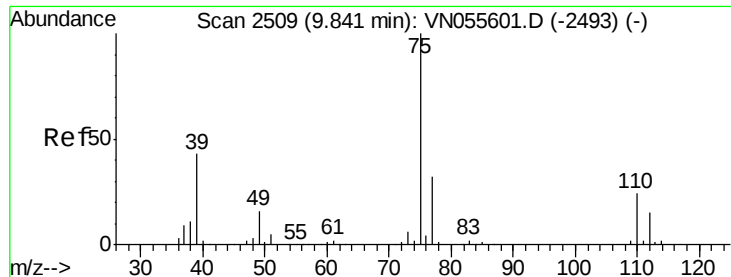
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.649 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

TP-20-S

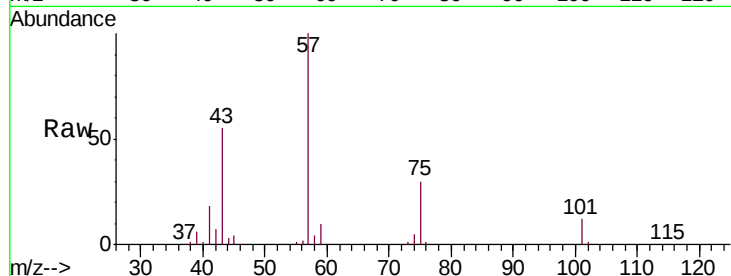
Tgt Ion: 75 Resp: 50624

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

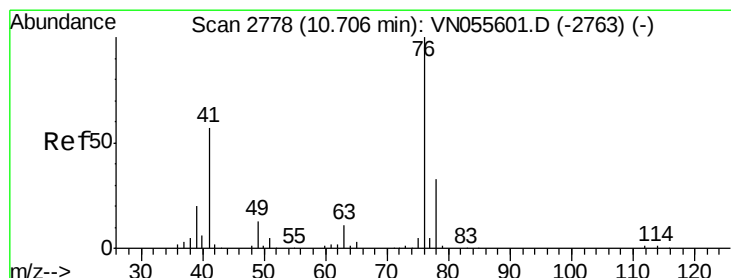
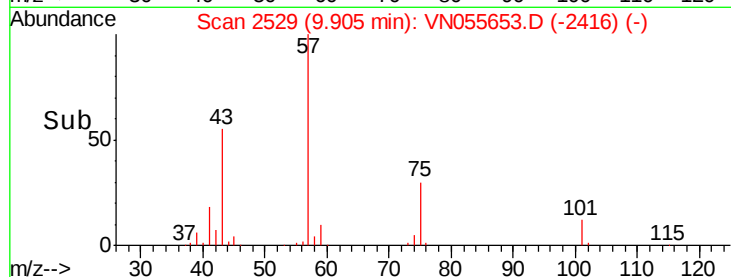
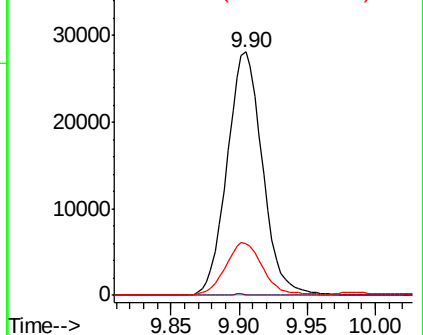
39 21.3 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 1.316 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055653.D

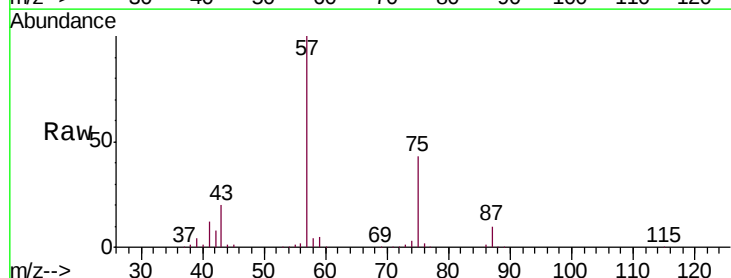
Acq: 18 May 2019 9:14

Tgt Ion: 76 Resp: 8360

Ion Ratio Lower Upper

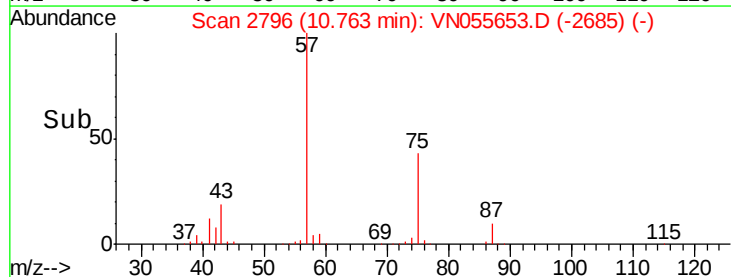
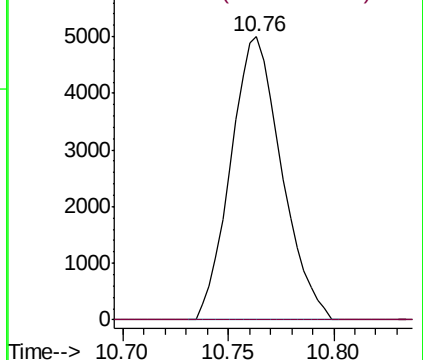
76 100

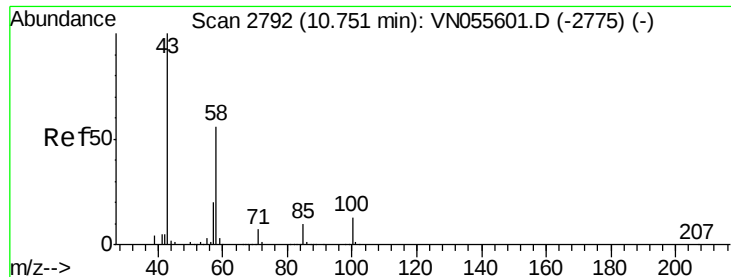
78 0.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

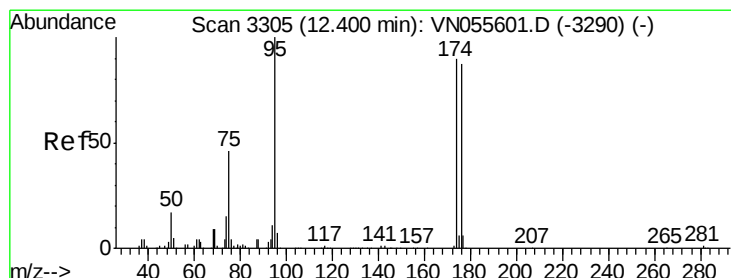
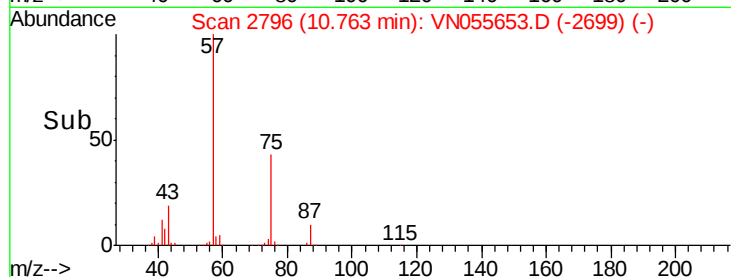
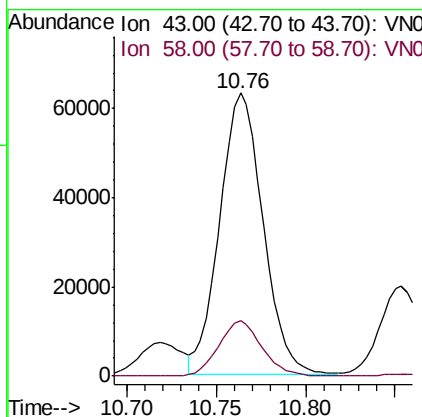
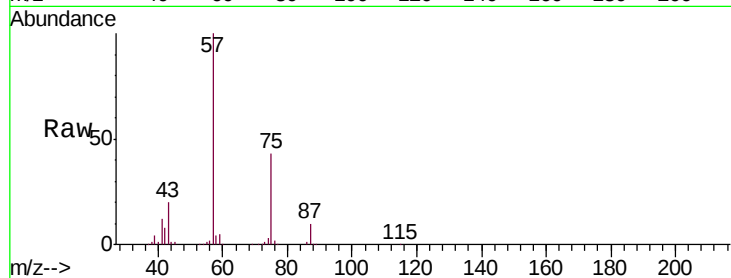




#59  
2-Hexanone  
Concen: 31.222 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

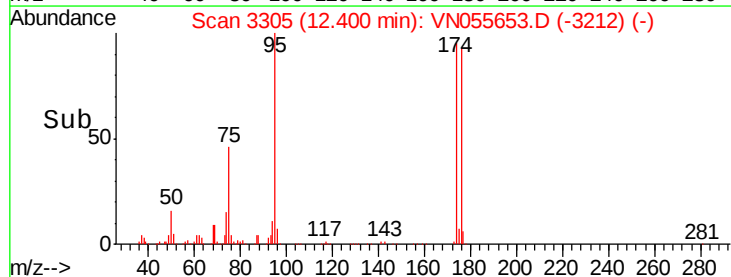
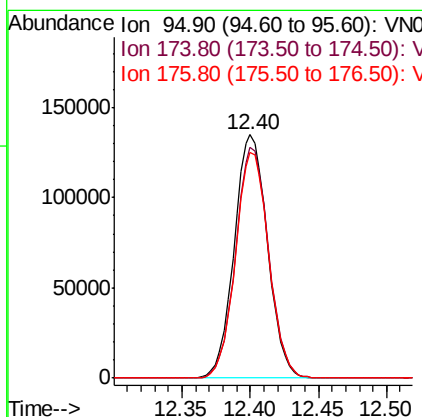
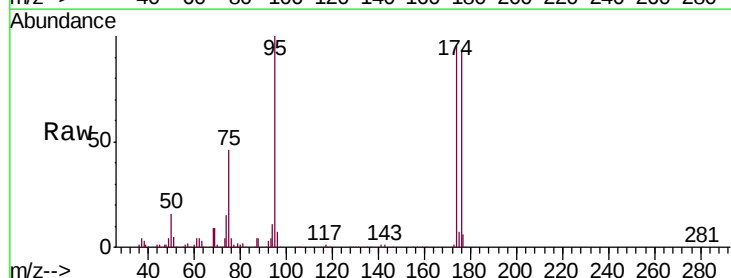
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-20-S

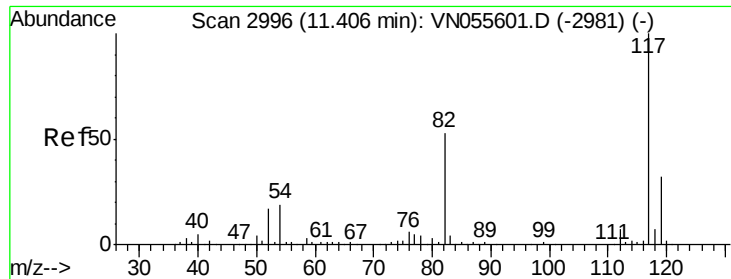
Tgt Ion: 43 Resp: 106889  
Ion Ratio Lower Upper  
43 100  
58 19.5 28.1 84.4#



#62  
4-Bromofluorobenzene  
Concen: 46.381 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Tgt Ion: 95 Resp: 227875  
Ion Ratio Lower Upper  
95 100  
174 94.1 0.0 180.6  
176 92.6 0.0 177.4

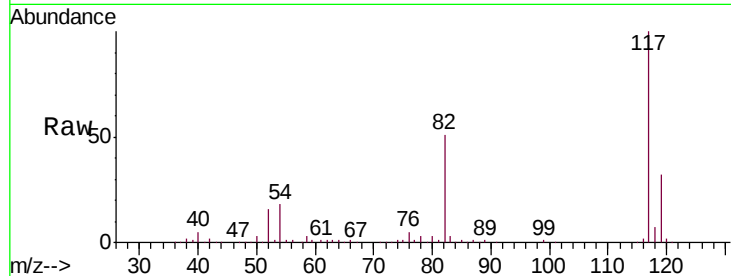




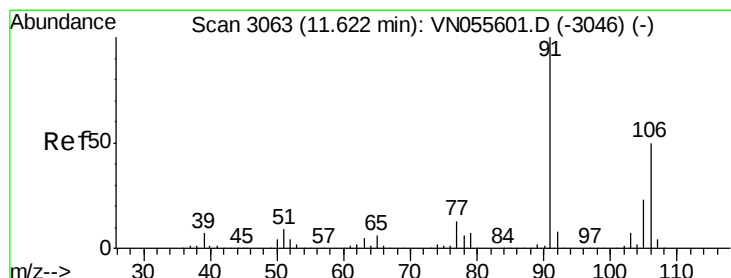
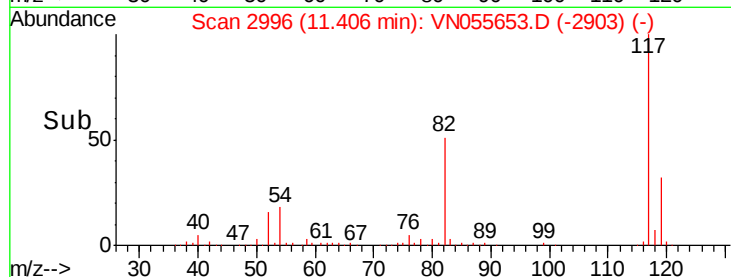
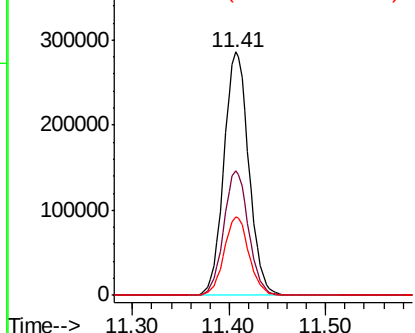
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-20-S

Tgt Ion:117 Resp: 508828  
Ion Ratio Lower Upper  
117 100  
82 51.1 42.3 63.5  
119 32.1 25.4 38.2

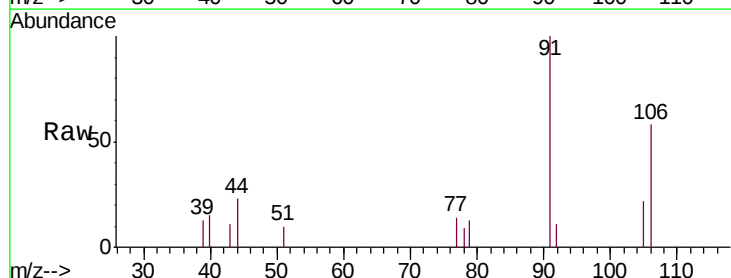


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

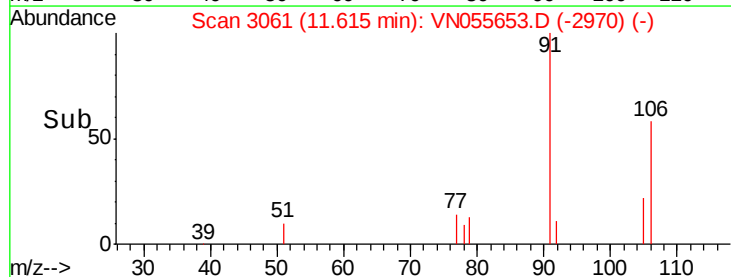
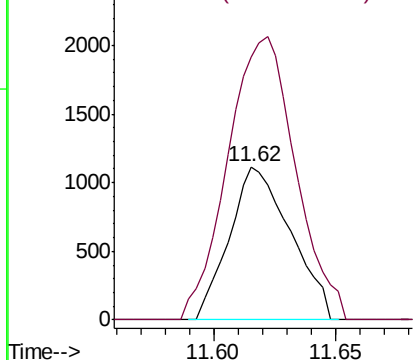


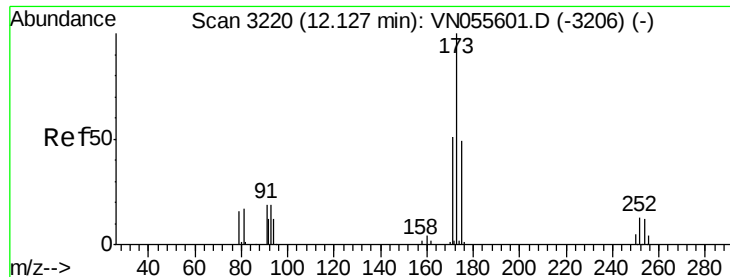
#68  
m/p-Xylenes  
Concen: 0.280 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN055653.D  
Acq: 18 May 2019 9:14

Tgt Ion:106 Resp: 1939  
Ion Ratio Lower Upper  
106 100  
91 205.6 160.5 240.7



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





#71

Bromoform

Concen: 0.367 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

TP-20-S

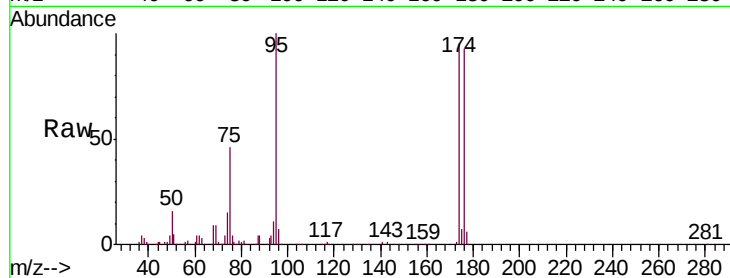
Tgt Ion:173 Resp: 1288

Ion Ratio Lower Upper

173 100

175 1061.8 24.3 72.9#

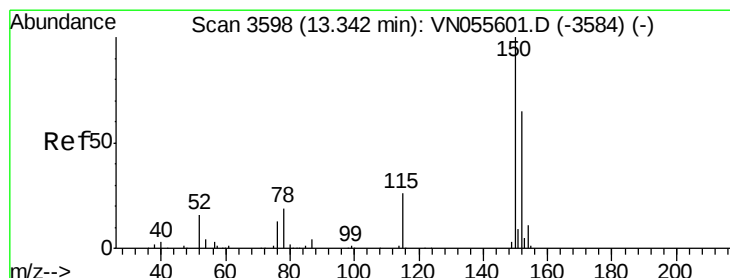
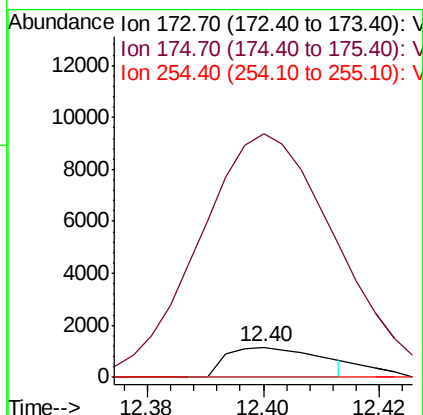
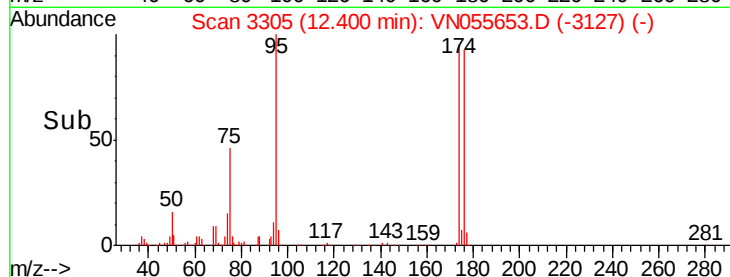
254 0.0 0.1 0.1#



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: VN055653.D

Acq: 18 May 2019 9:14

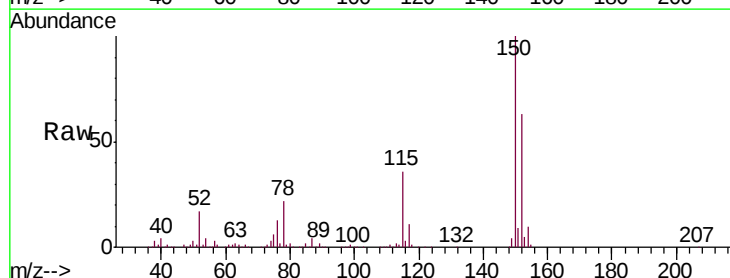
Tgt Ion:152 Resp: 219539

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

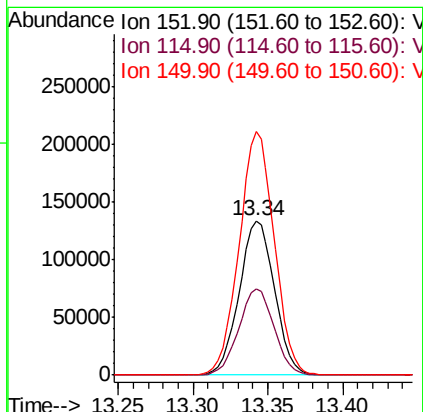
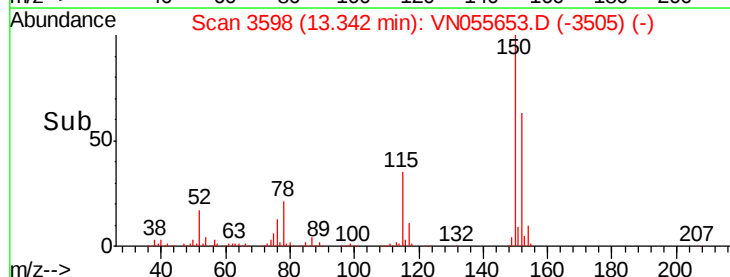
150 156.6 0.0 348.0

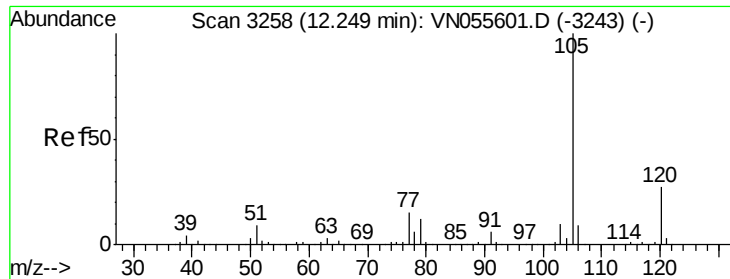


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

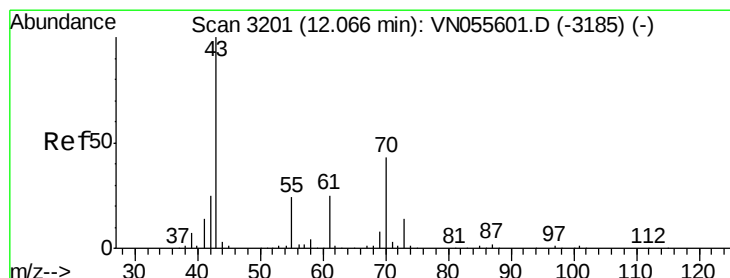
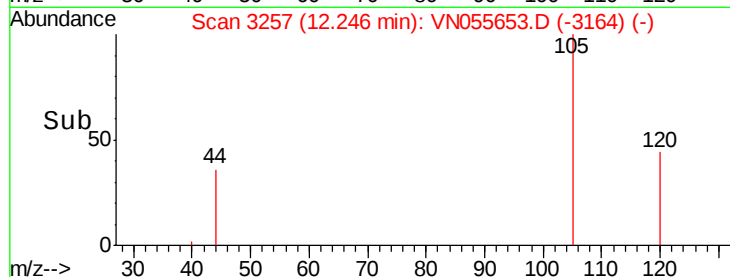
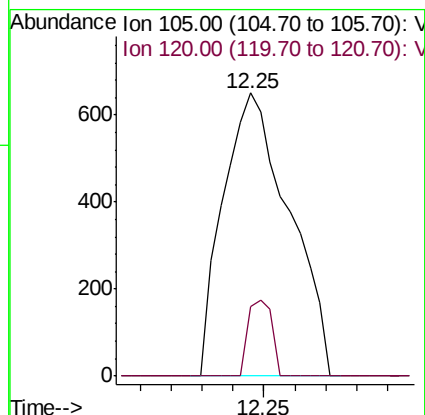
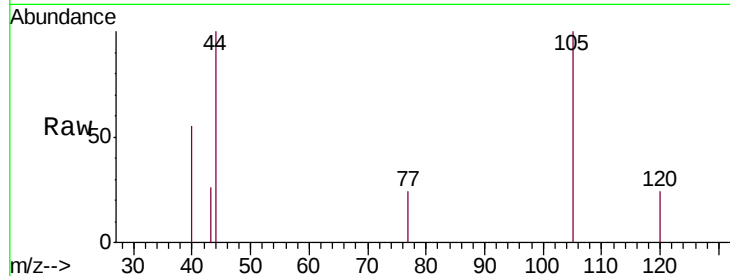
TP-20-S

Tgt Ion: 105 Resp: 967

Ion Ratio Lower Upper

105 100

120 9.8 13.4 40.2#



#74

N-ethyl acetate

Concen: 1.290 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Tgt Ion: 43 Resp: 7950

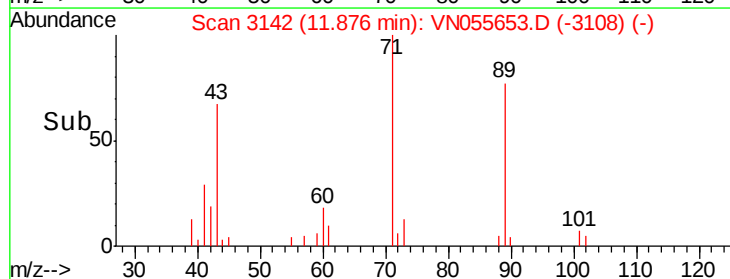
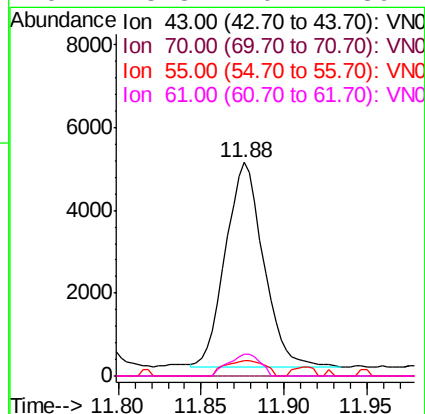
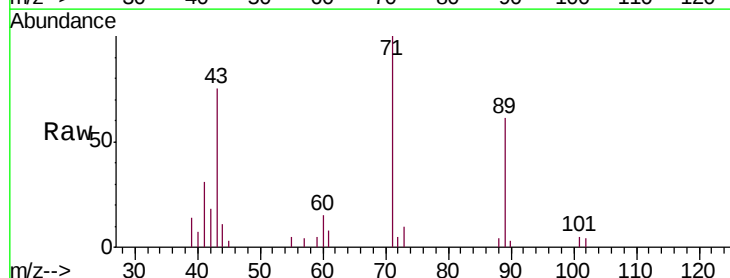
Ion Ratio Lower Upper

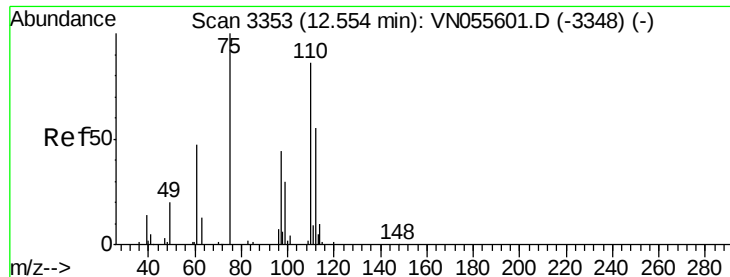
43 100

70 0.0 35.0 52.6#

55 7.7 18.9 28.3#

61 8.8 20.1 30.1#





#76

1,2,3-Trichloropropane

Concen: 23.447 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

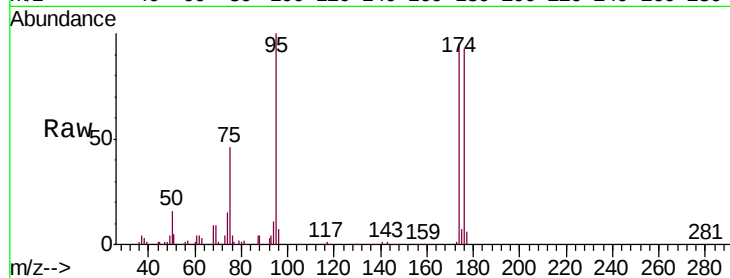
TP-20-S

Tgt Ion: 75 Resp: 105036

Ion Ratio Lower Upper

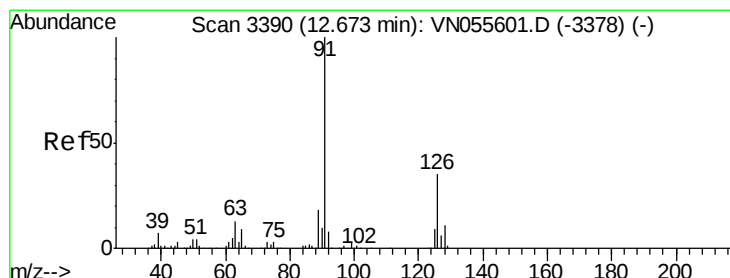
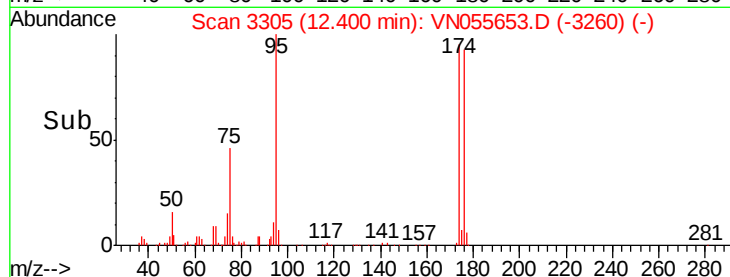
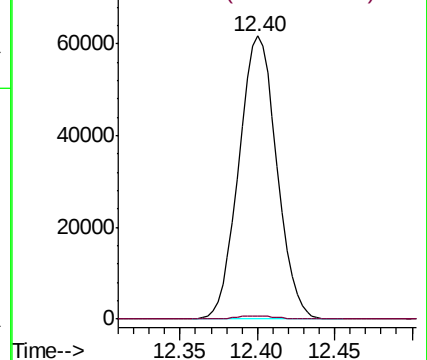
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055653.D

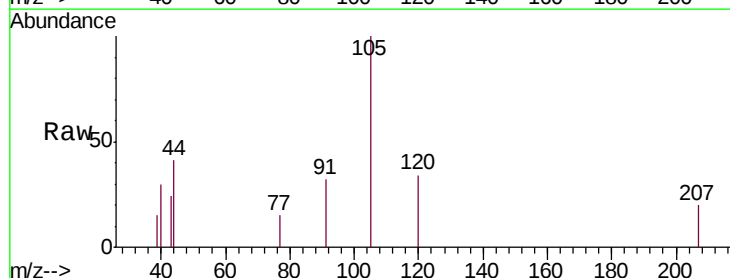
Acq: 18 May 2019 9:14

Tgt Ion: 91 Resp: 355

Ion Ratio Lower Upper

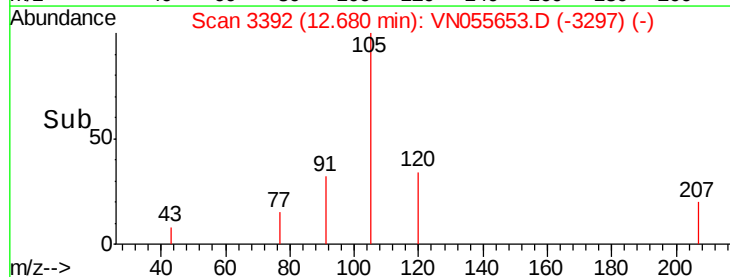
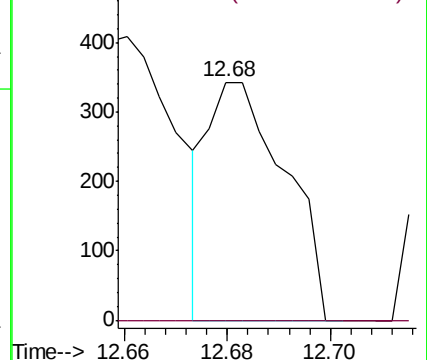
91 100

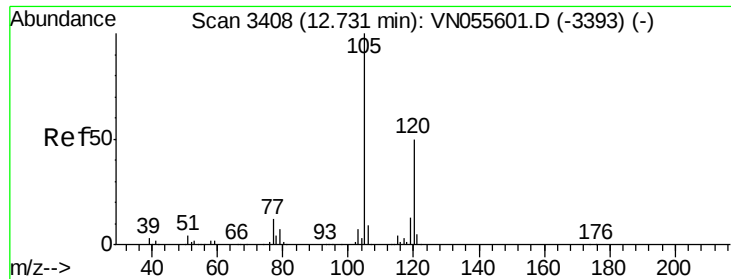
126 0.0 17.8 53.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

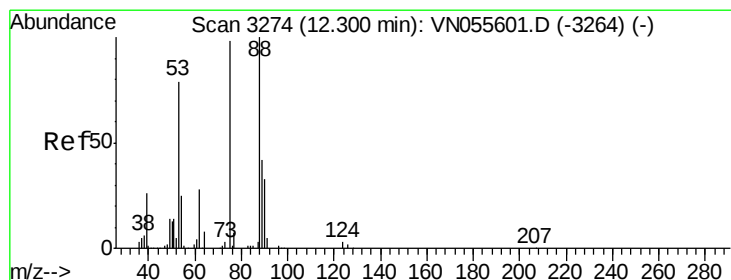
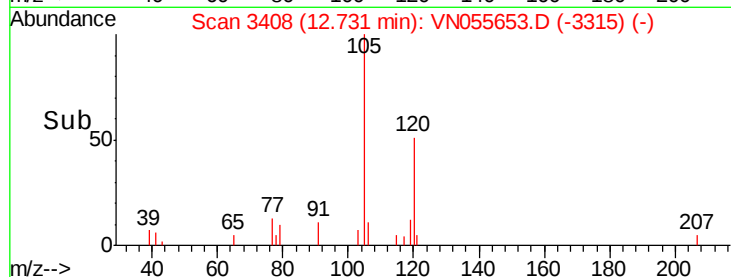
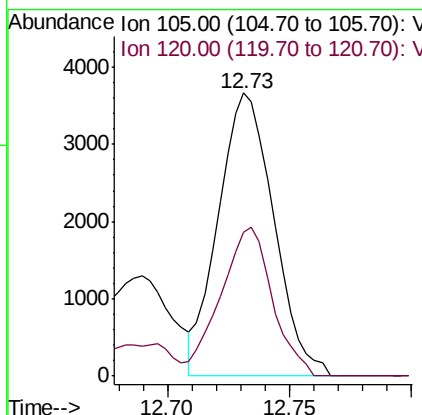
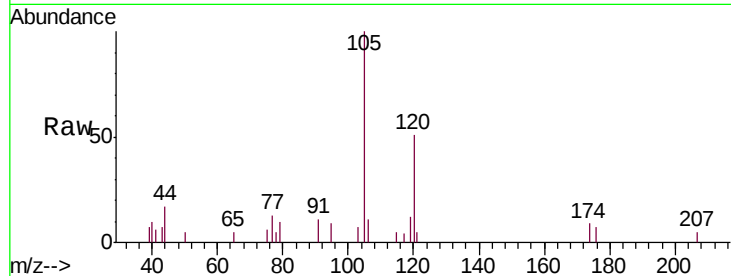




#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

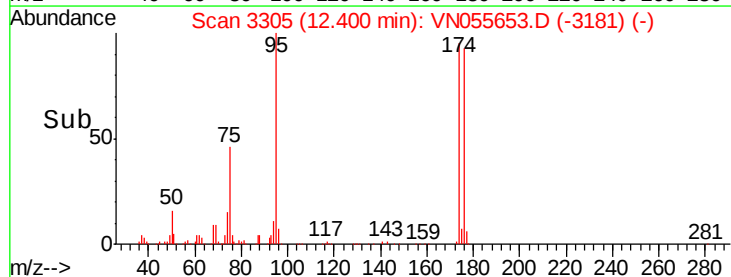
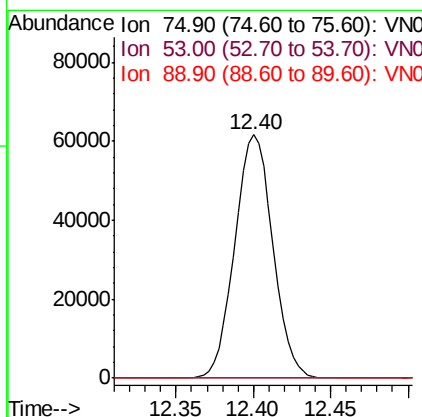
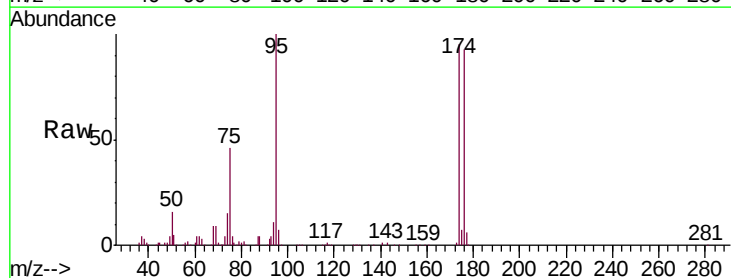
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-20-S

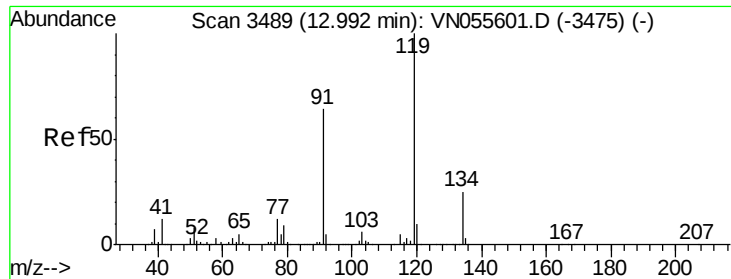
Tgt Ion: 105 Resp: 5800  
 Ion Ratio Lower Upper  
 105 100  
 120 49.1 24.6 74.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 60.272 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Tgt Ion: 75 Resp: 105036  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 65.1 97.7#  
 89 0.0 36.4 54.6#

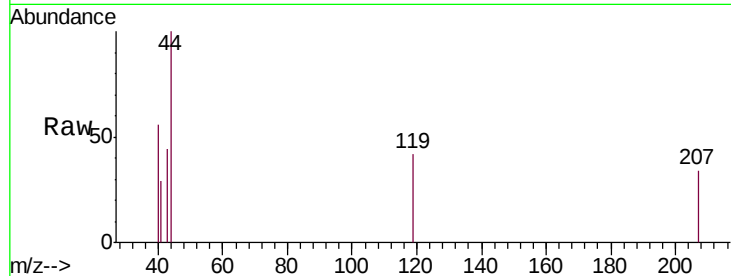




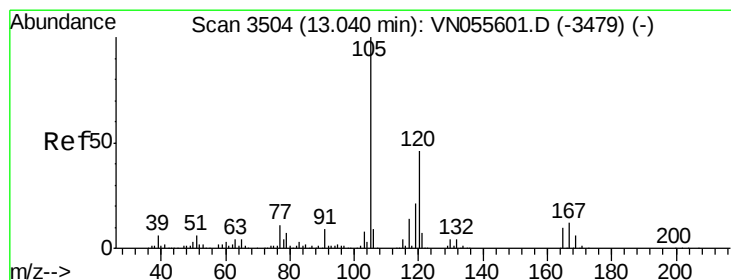
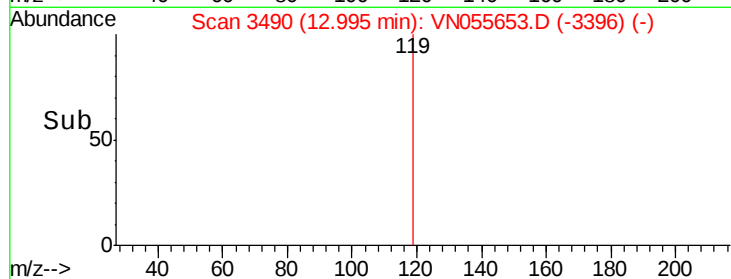
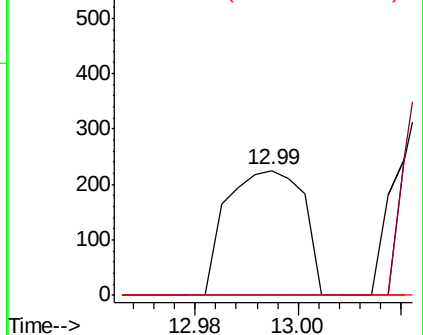
#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-20-S

Tgt Ion:119 Resp: 231  
 Ion Ratio Lower Upper  
 119 100  
 91 0.0 31.3 93.8#  
 134 0.0 13.2 39.6#

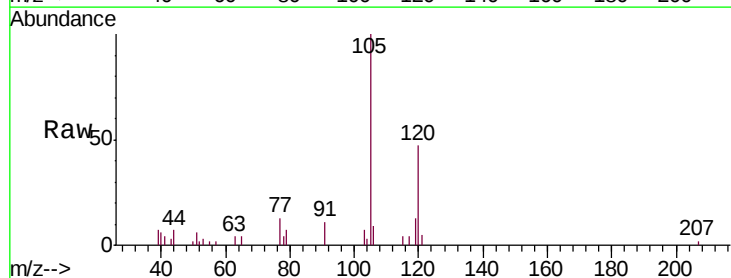


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

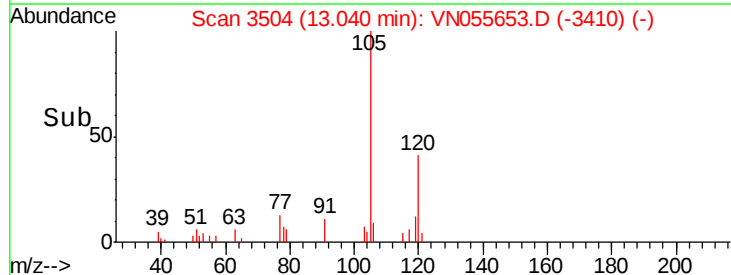
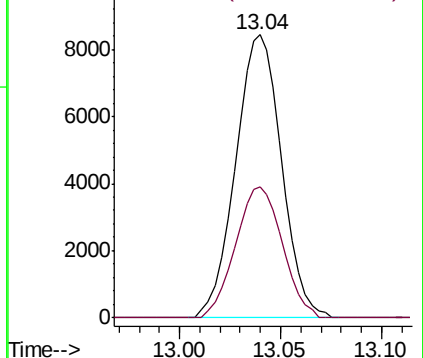


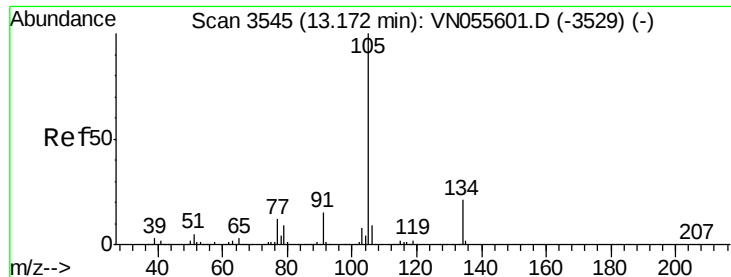
#84  
 1,2,4-Trimethylbenzene  
 Concen: Below Cal  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Tgt Ion:105 Resp: 13422  
 Ion Ratio Lower Upper  
 105 100  
 120 47.2 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V

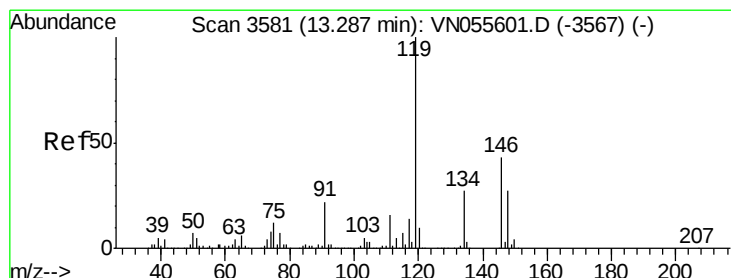
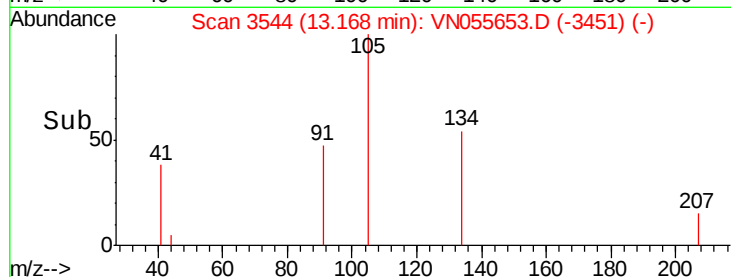
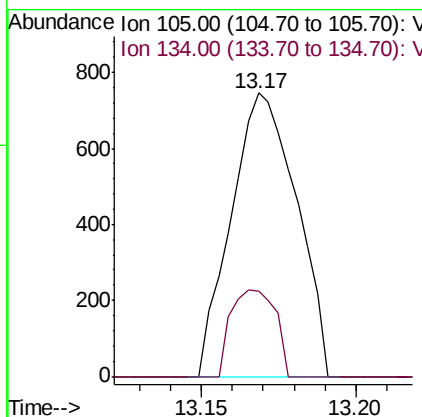
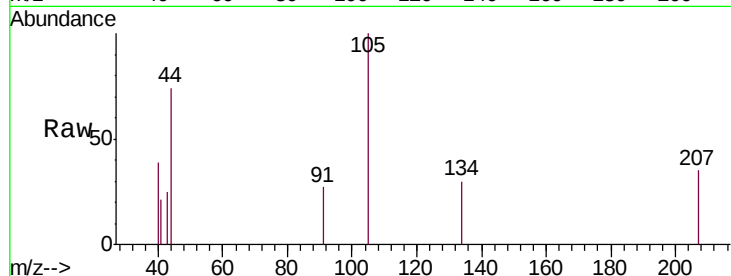




#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3544  
 Delta R.T. -0.00 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

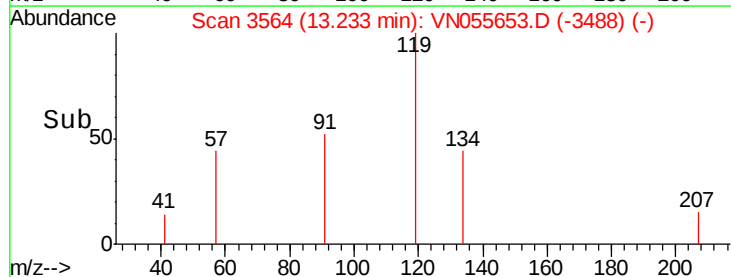
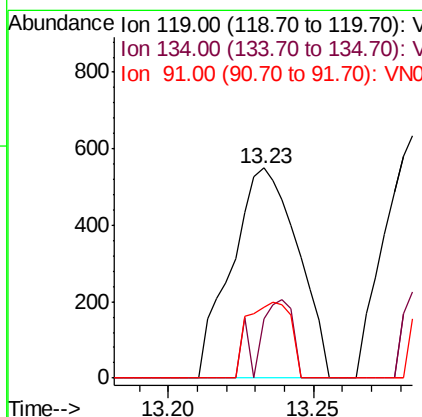
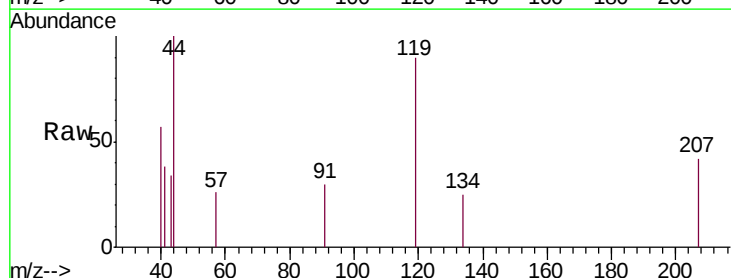
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-20-S

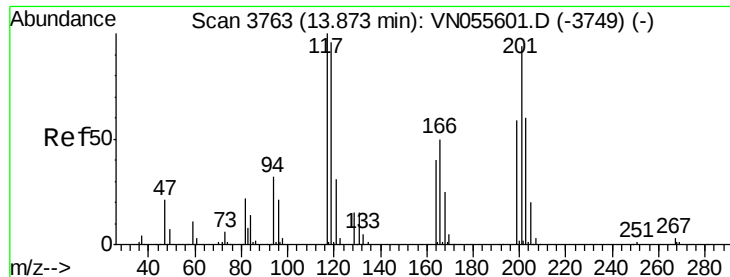
Tgt Ion:105 Resp: 1096  
 Ion Ratio Lower Upper  
 105 100  
 134 20.8 10.3 30.9



#86  
 p-Isopropyltoluene  
 Concen: Below Cal  
 RT: 13.23 min Scan# 3564  
 Delta R.T. -0.05 min  
 Lab File: VN055653.D  
 Acq: 18 May 2019 9:14

Tgt Ion:119 Resp: 871  
 Ion Ratio Lower Upper  
 119 100  
 134 19.7 13.4 40.2  
 91 23.8 11.0 33.0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

Instrument :

MSVOA\_N

ClientSampleId :

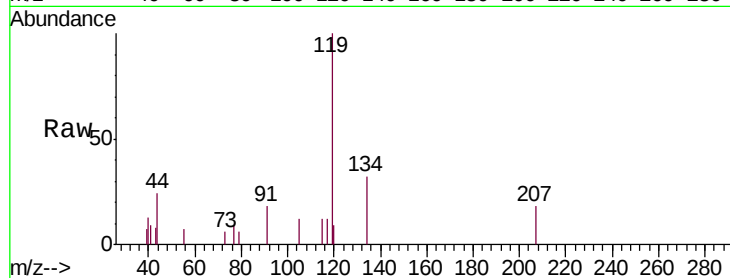
TP-20-S

Tgt Ion:117 Resp: 282

Ion Ratio Lower Upper

117 100

201 0.0 47.1 141.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

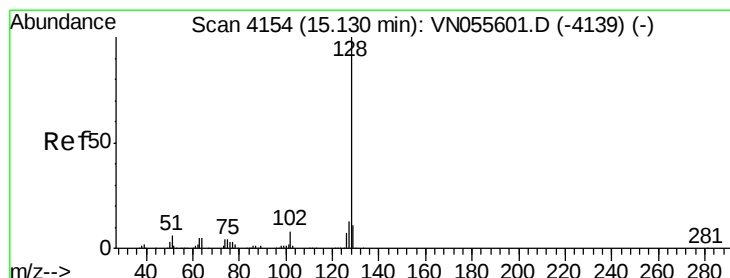
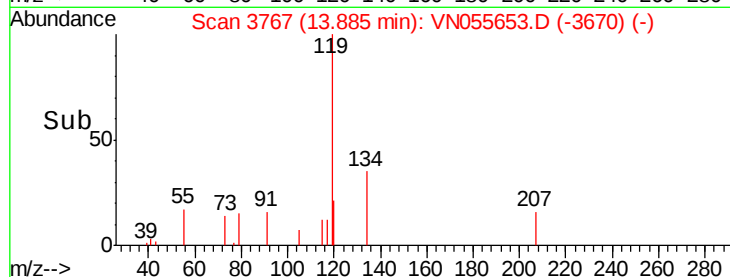
300

200

100

0

Time--> 13.86 13.88 13.90



#95

Naphthalene

Concen: 3.258 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055653.D

Acq: 18 May 2019 9:14

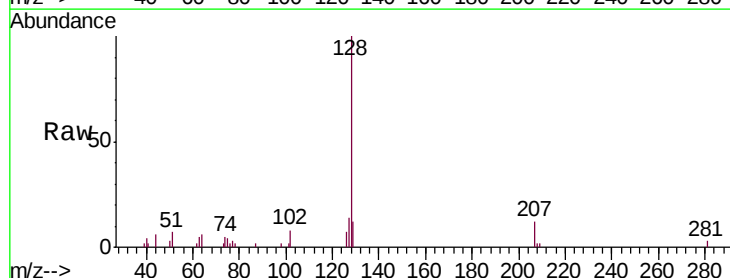
Tgt Ion:128 Resp: 17672

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 11.7 8.6 12.8



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

15.13

12000

10000

8000

6000

4000

2000

0

Time--> 15.05 15.10 15.15 15.20

