

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
 Data File : VN053083.D  
 Acq On : 21 Dec 2018 3:56  
 Operator : MD\SY  
 Sample : J6519-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 44 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP-122018-02

Quant Time: Dec 21 07:11:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1263661  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1928163  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1755294  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 804073   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 602610   | 46.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.98%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 537345   | 61.01 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 122.02% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2363358  | 49.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.96%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 822249   | 49.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.08%  |      |

## Target Compounds

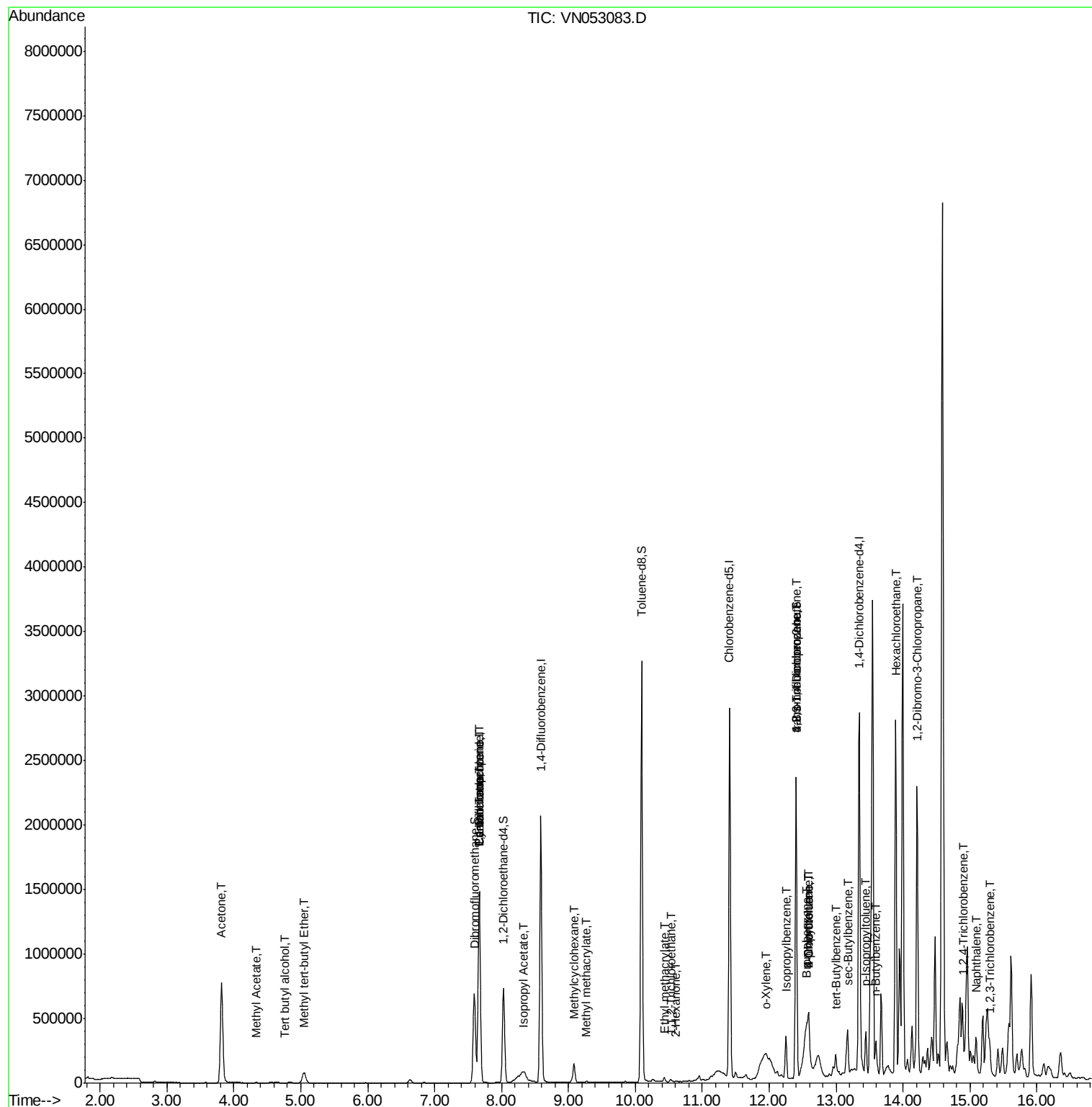
|                                |       |     |         |         |        | Qvalue |
|--------------------------------|-------|-----|---------|---------|--------|--------|
| 11) Tert butyl alcohol         | 4.76  | 59  | 374     | 0.478   | ug/l # | 74     |
| 16) Acetone                    | 3.82  | 43  | 1300438 | 517.209 | ug/l   | 96     |
| 18) Methyl Acetate             | 4.33  | 43  | 1500    | 1.121   | ug/l   | 95     |
| 19) Methyl tert-butyl Ether    | 5.05  | 73  | 141855  | 4.401   | ug/l   | 98     |
| 31) Cyclohexane                | 7.66  | 56  | 76255   | 2.436   | ug/l # | 69     |
| 36) 1,1-Dichloropropene        | 7.66  | 75  | 82256   | 4.445   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 108766  | 6.412   | ug/l # | 16     |
| 39) Methylcyclohexane          | 9.08  | 83  | 67395   | 2.998   | ug/l   | 97     |
| 43) Isopropyl Acetate          | 8.34  | 43  | 236684  | 11.024  | ug/l # | 53     |
| 48) Methyl methacrylate        | 9.27  | 41  | 2258    | 0.225   | ug/l # | 36     |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97  | 6795    | 0.571   | ug/l # | 20     |
| 56) Ethyl methacrylate         | 10.44 | 69  | 4537    | 0.288   | ug/l # | 32     |
| 59) 2-Hexanone                 | 10.61 | 43  | 3114    | 0.460   | ug/l   | 74     |
| 69) o-Xylene                   | 11.95 | 106 | 6832    | 0.280   | ug/l   | 89     |
| 73) Isopropylbenzene           | 12.25 | 105 | 220526  | 3.505   | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 380768  | 28.131  | ug/l # | 100    |
| 77) Bromobenzene               | 12.56 | 156 | 599450  | 36.656  | ug/l # | 1      |
| 78) n-propylbenzene            | 12.59 | 91  | 152162  | 2.124   | ug/l   | 100    |
| 79) 2-Chlorotoluene            | 12.59 | 91  | 152162  | 3.426   | ug/l # | 40     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 380768  | 90.668  | ug/l # | 12     |
| 82) 4-Chlorotoluene            | 12.59 | 91  | 152162  | 3.500   | ug/l # | 40     |
| 83) tert-Butylbenzene          | 12.99 | 119 | 73595   | 1.623   | ug/l   | 99     |
| 85) sec-Butylbenzene           | 13.17 | 105 | 238987  | 3.896   | ug/l # | 78     |
| 86) p-Isopropyltoluene         | 13.44 | 119 | 204420  | 3.857   | ug/l   | 97     |
| 89) n-Butylbenzene             | 13.60 | 91  | 14346   | 0.315   | ug/l # | 1      |
| 90) Hexachloroethane           | 13.89 | 117 | 141492  | 17.395  | ug/l # | 4      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.21 | 75  | 8565    | 4.013   | ug/l # | 1      |
| 93) 1,2,4-Trichlorobenzene     | 14.90 | 180 | 239     | 0.612   | ug/l # | 1      |
| 95) Naphthalene                | 15.09 | 128 | 4151    | 1.275   | ug/l # | 1      |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180 | 91      | 0.515   | ug/l # | 1      |

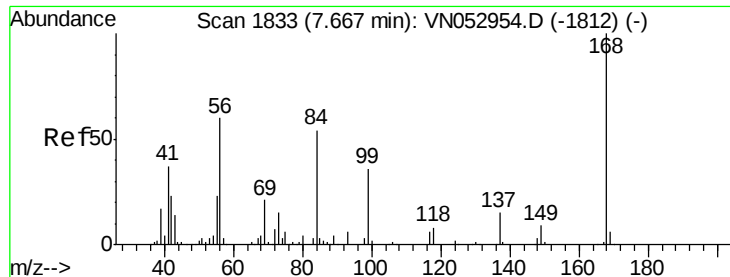
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

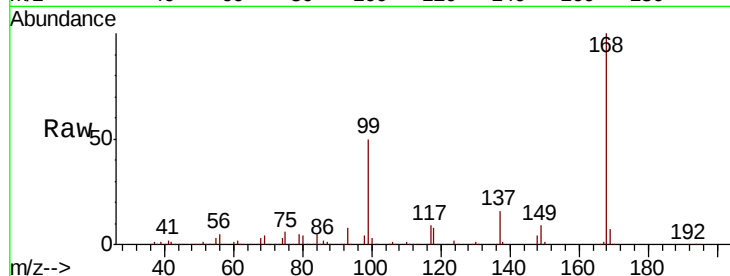
DUP-122018-02

Tot Ion:168 Resp: 1263661

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053083.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053083.D (-1740) (-)

7.67

600000

500000

400000

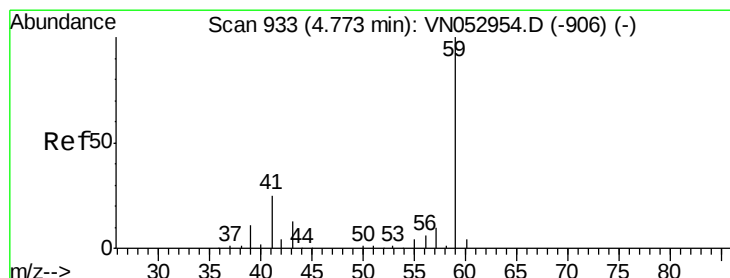
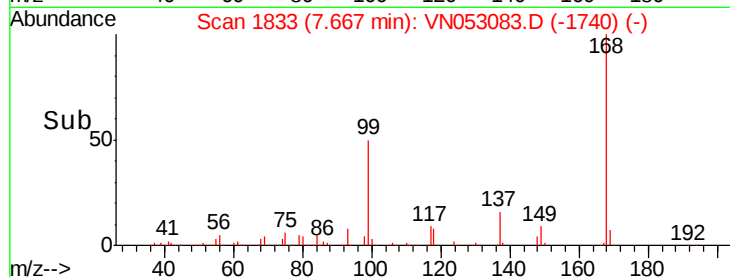
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.478 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.01 min

Lab File: VN053083.D

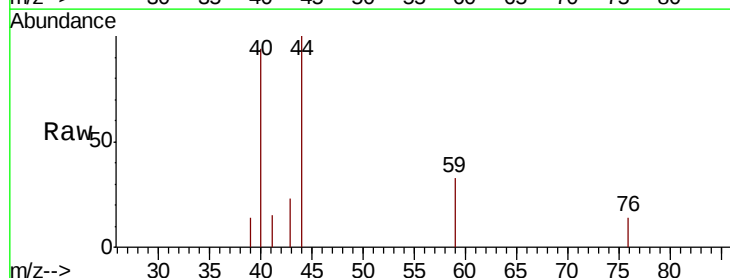
Acq: 21 Dec 2018 3:56

Tgt Ion: 59 Resp: 374

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN053083.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN053083.D (-840) (-)

4.76

400

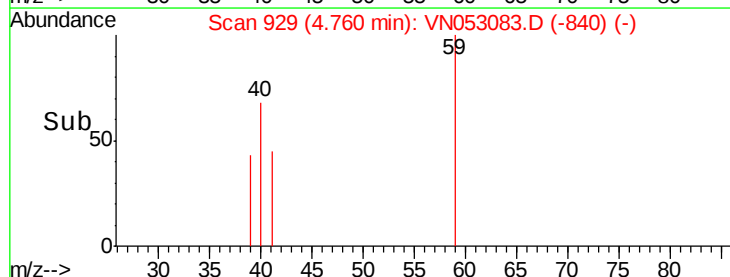
300

200

100

0

Time-->





#16

Acetone

Concen: 517.209 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

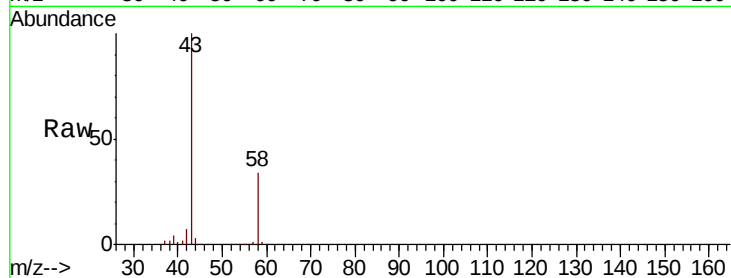
DUP-122018-02

Tot Ion: 43 Resp: 1300438

Ion Ratio Lower Upper

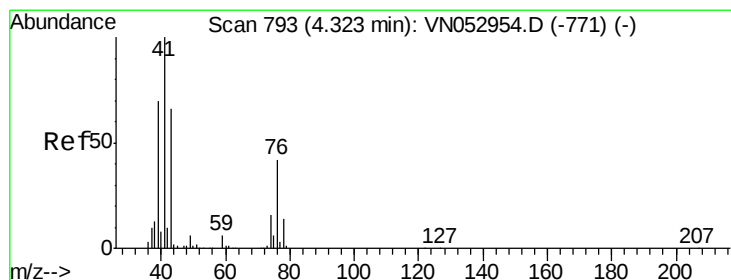
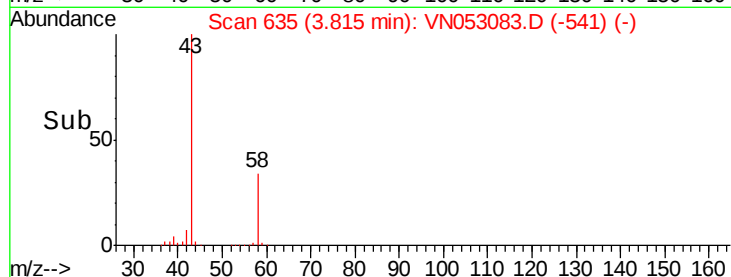
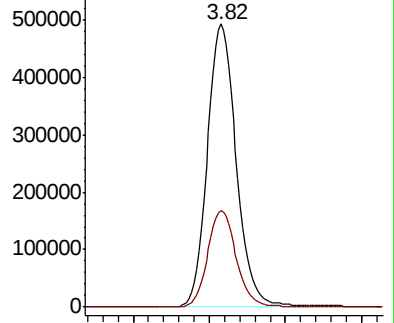
43 100

58 33.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.121 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053083.D

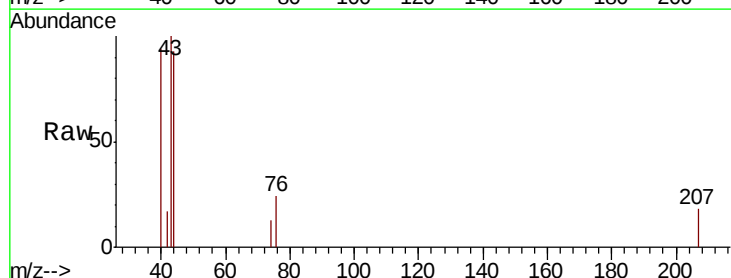
Acq: 21 Dec 2018 3:56

Tgt Ion: 43 Resp: 1500

Ion Ratio Lower Upper

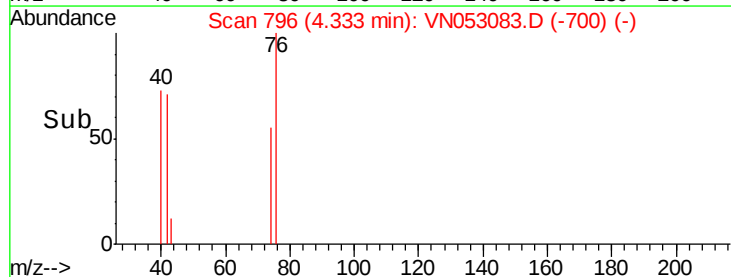
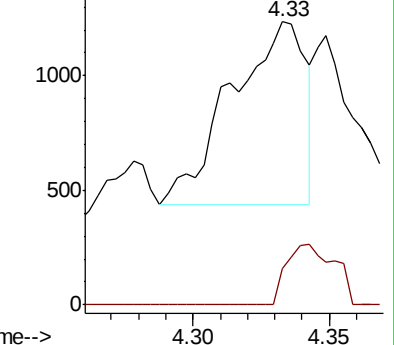
43 100

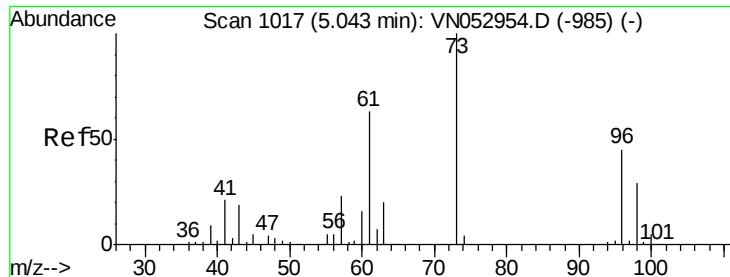
74 21.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

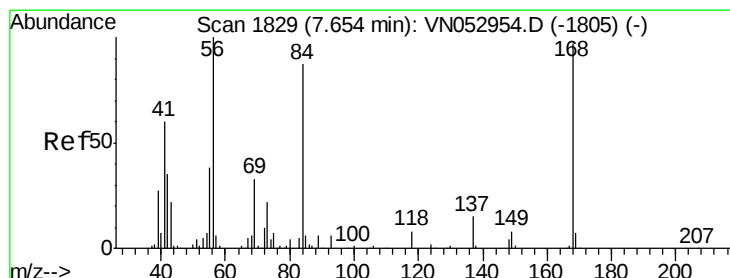
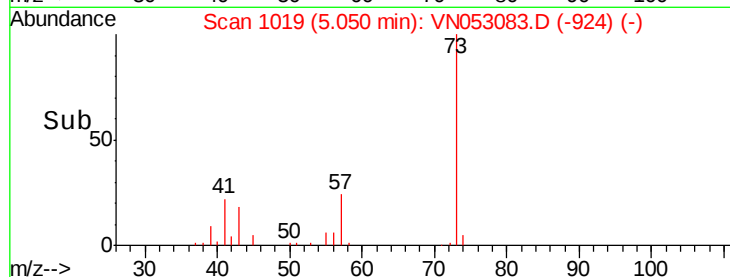
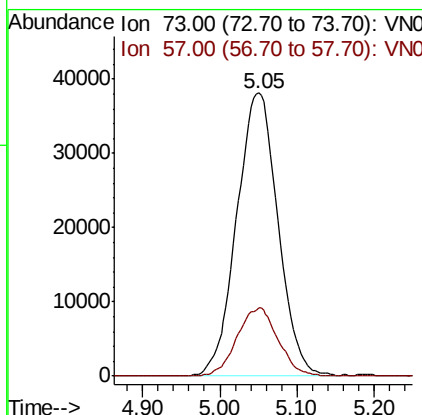
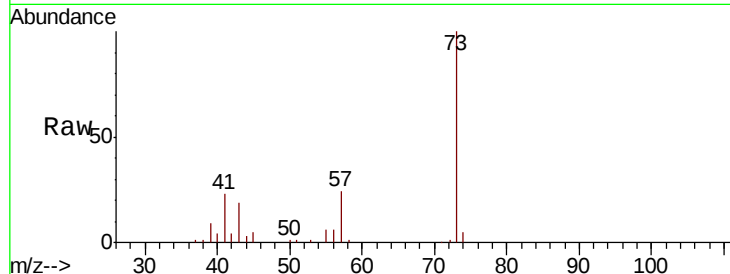




#19  
Methvl tert-butvl Ether  
Concen: 4.401 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

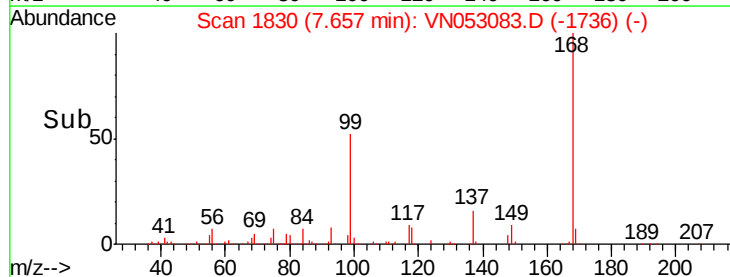
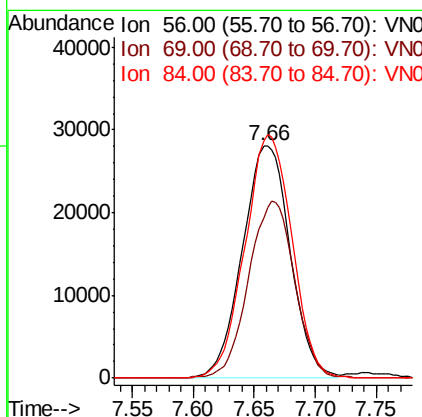
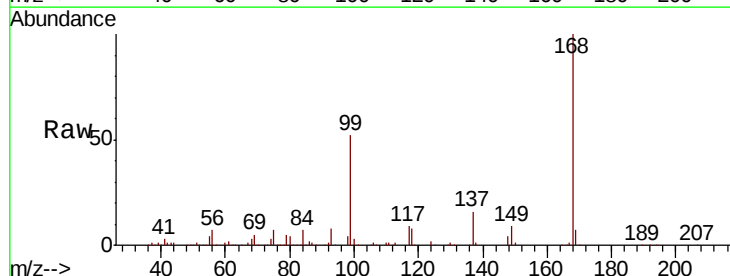
Instrument :  
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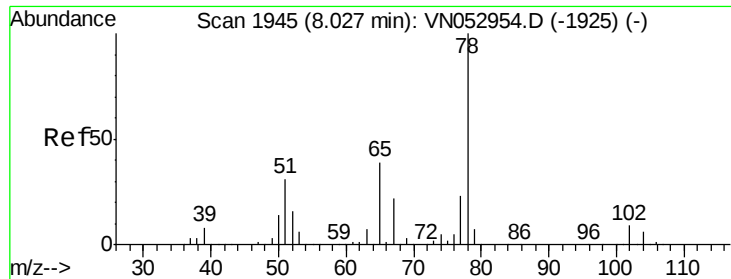
Tot Ion: 73 Resp: 141855  
Ion Ratio Lower Upper  
73 100  
57 23.9 18.4 27.6



#31  
Cyclohexane  
Concen: 2.436 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

Tgt Ion: 56 Resp: 76255  
Ion Ratio Lower Upper  
56 100  
69 69.1 26.6 39.8#  
84 102.0 68.4 102.6

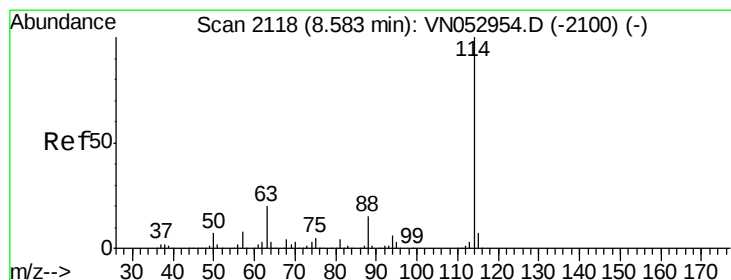
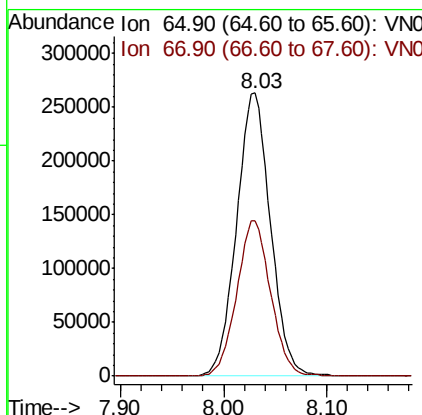
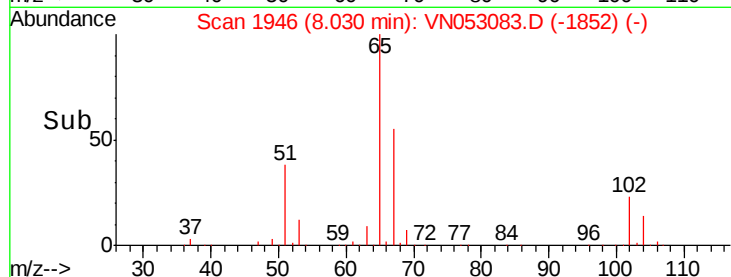
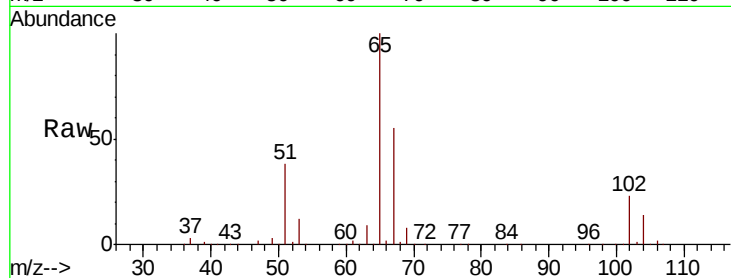




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN053083.D  
 Acq: 21 Dec 2018 3:56

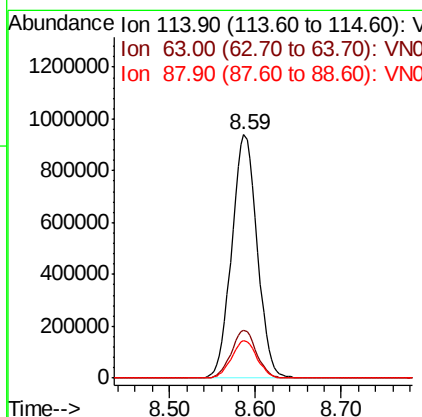
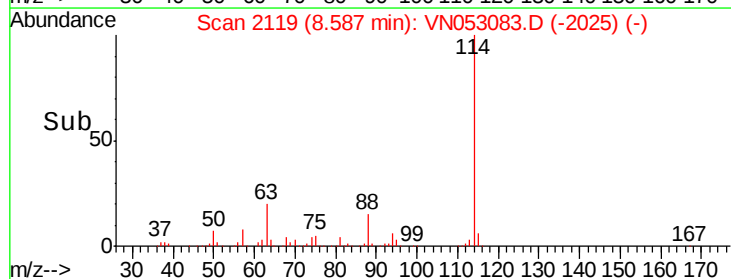
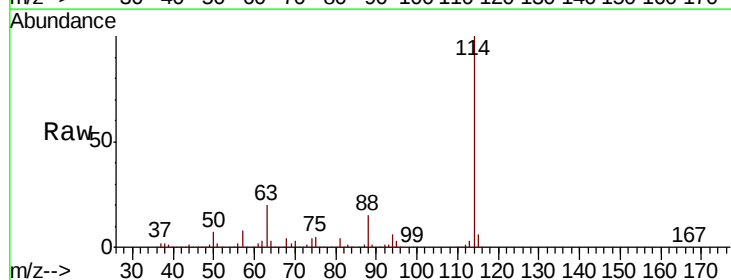
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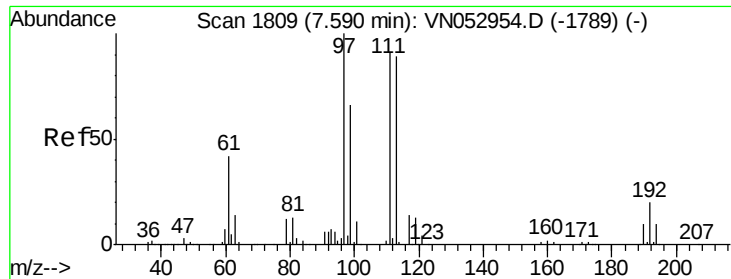
Tot Ion: 65 Resp: 602610  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053083.D  
 Acq: 21 Dec 2018 3:56

Tgt Ion: 114 Resp: 1928163  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 39.8  
 88 15.4 0.0 31.0

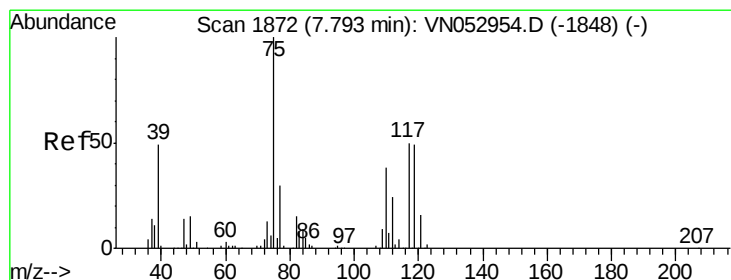
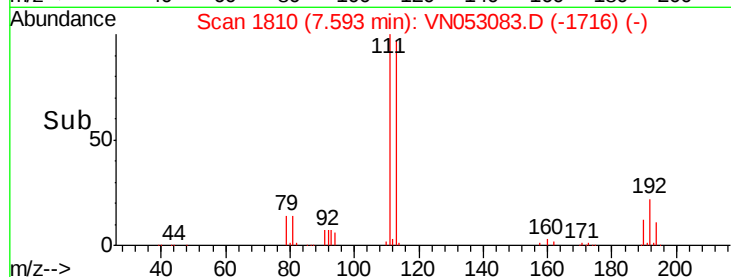
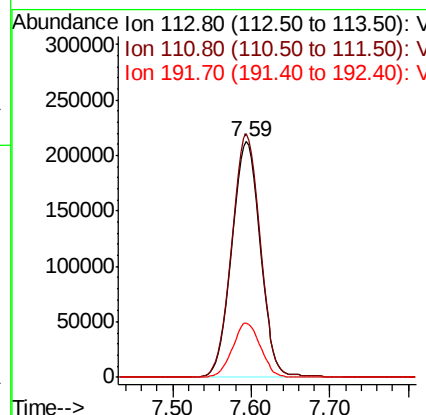
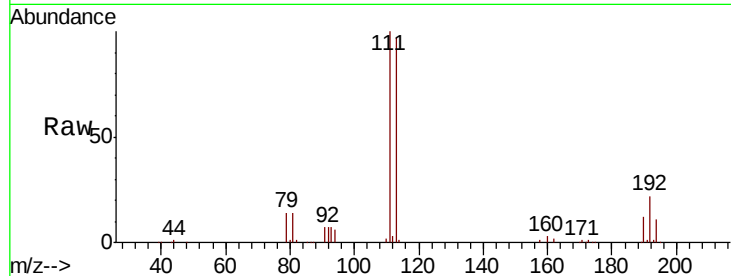




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053083.D  
 Acq: 21 Dec 2018 3:56

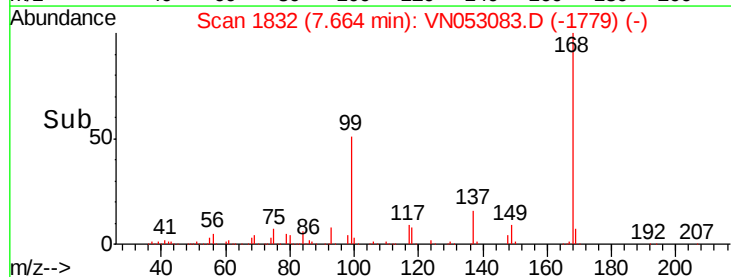
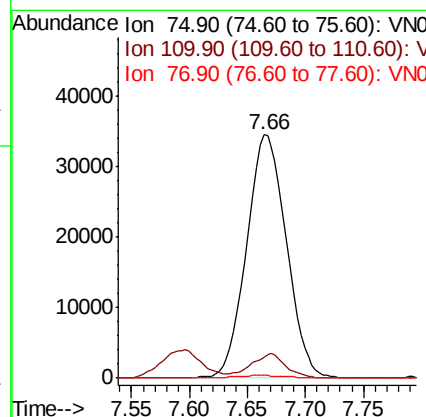
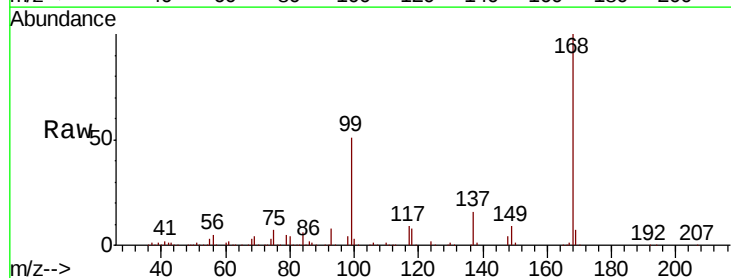
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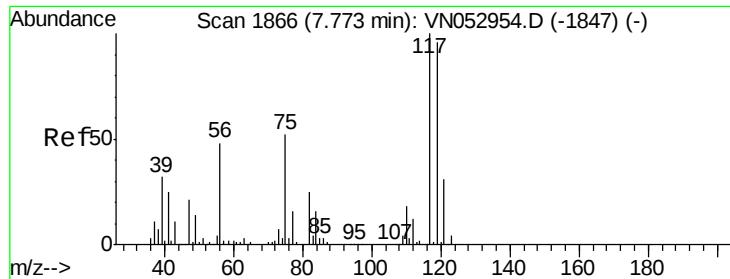
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 83.0  | 124.4 |
| 192     | 22.6  | 17.5  | 26.3  |



#36  
 1,1-Dichloropropene  
 Concen: 4.445 ug/l  
 RT: 7.66 min Scan# 1832  
 Delta R.T. -0.13 min  
 Lab File: VN053083.D  
 Acq: 21 Dec 2018 3:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.7   | 18.2  | 54.6# |
| 77      | 1.2   | 24.9  | 37.3# |





#38

Carbon Tetrachloride

Concen: 6.412 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

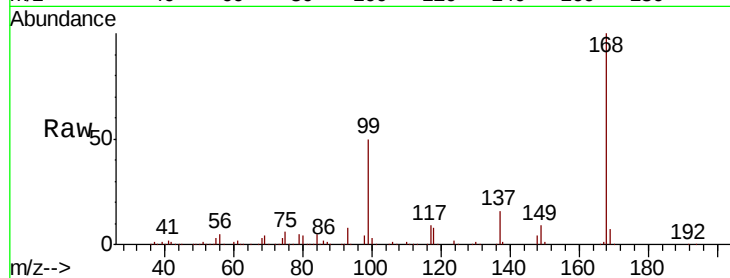
Tot Ion:117 Resp: 108766

Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

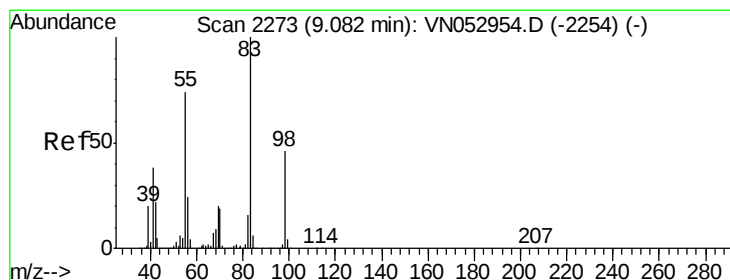
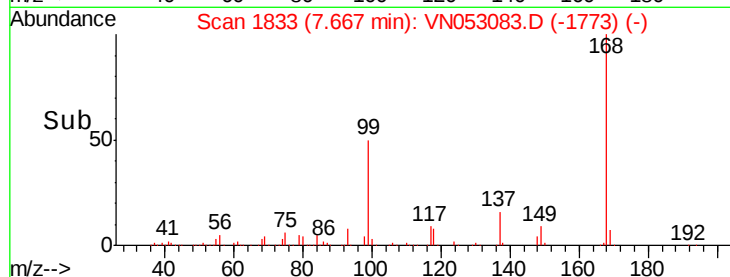
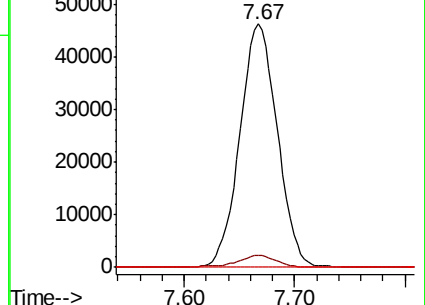
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.998 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

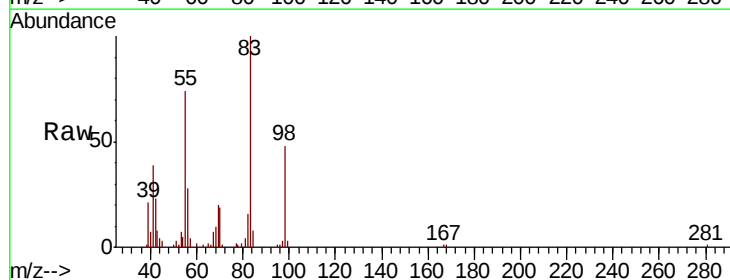
Tgt Ion: 83 Resp: 67395

Ion Ratio Lower Upper

83 100

55 73.3 61.3 91.9

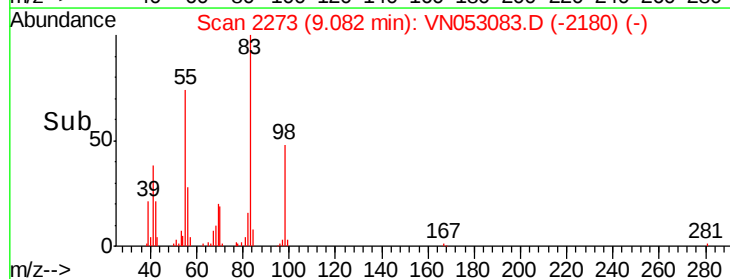
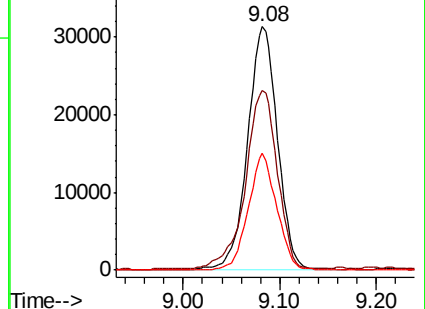
98 47.9 37.0 55.4

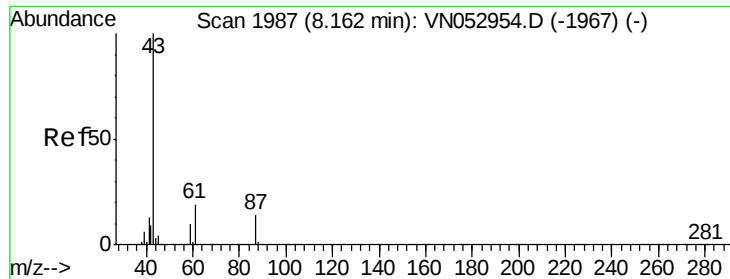


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: 11.024 ug/l

RT: 8.34 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

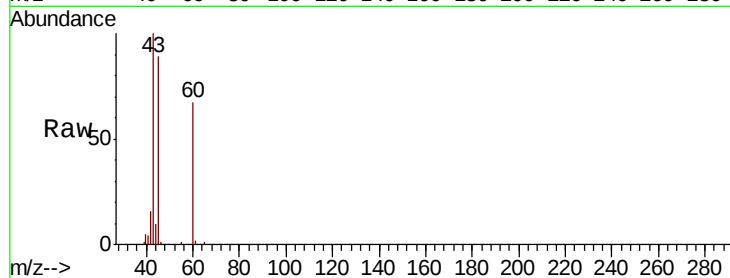
Tot Ion: 43 Resp: 236684

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

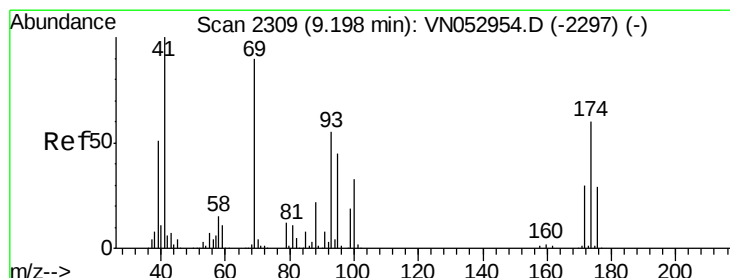
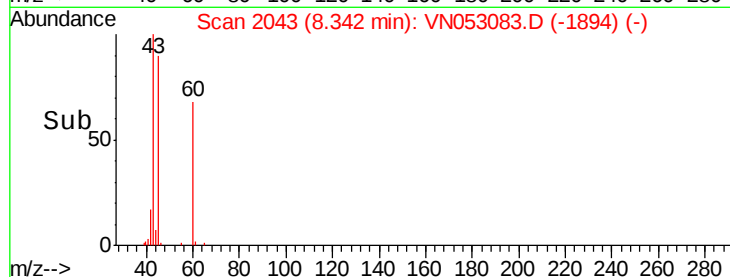
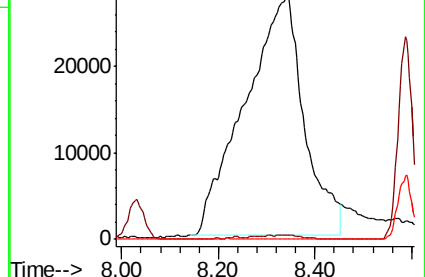
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053083.D (-2043) (-)

Ion 61.00 (60.70 to 61.70): VN053083.D (-2043) (-)

Ion 87.00 (86.70 to 87.70): VN053083.D (-2043) (-)



#48

Methyl methacrylate

Concen: 0.225 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

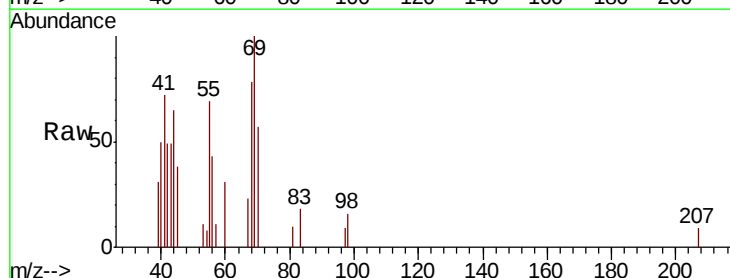
Tgt Ion: 41 Resp: 2258

Ion Ratio Lower Upper

41 100

69 186.0 72.2 108.2#

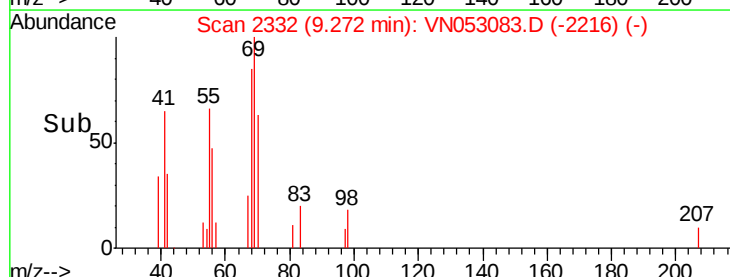
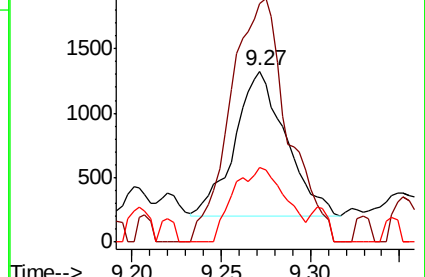
39 52.6 41.9 62.9

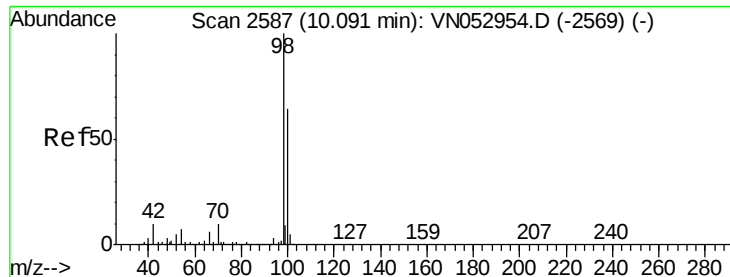


Abundance Ion 41.00 (40.70 to 41.70): VN053083.D (-2332) (-)

Ion 69.00 (68.70 to 69.70): VN053083.D (-2332) (-)

Ion 39.00 (38.70 to 39.70): VN053083.D (-2332) (-)





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

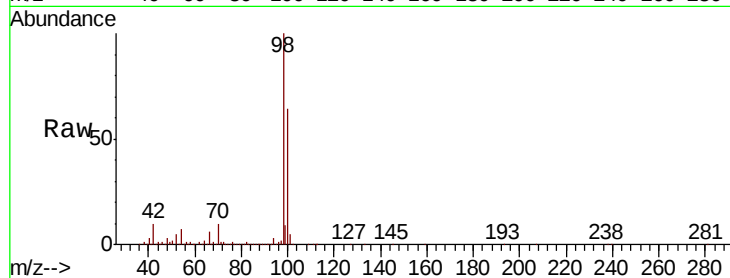
DUP-122018-02

Tot Ion: 98 Resp: 2363358

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

1500000 Ion 100.00 (99.70 to 100.70): VN

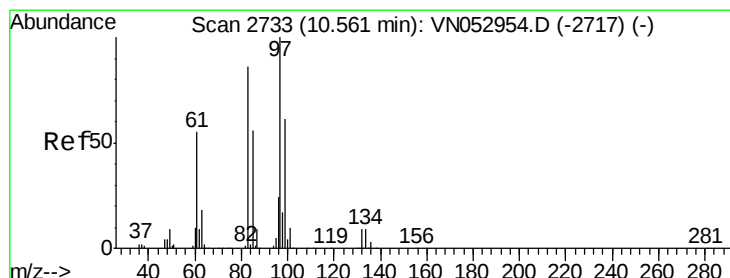
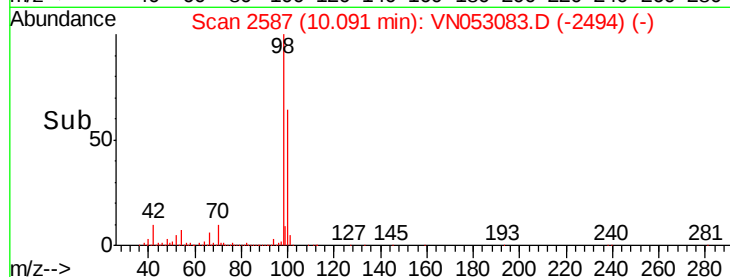
10.09

1000000

500000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.571 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Tgt Ion: 97 Resp: 6795

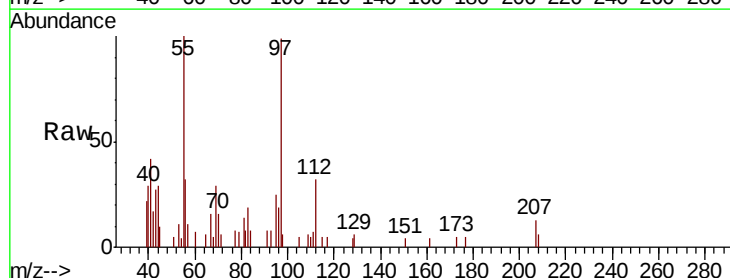
Ion Ratio Lower Upper

97 100

83 13.3 70.9 106.3#

85 0.0 45.4 68.2#

99 0.0 50.4 75.6#



Abundance Ion 96.90 (96.60 to 97.60): VN0

8000 Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

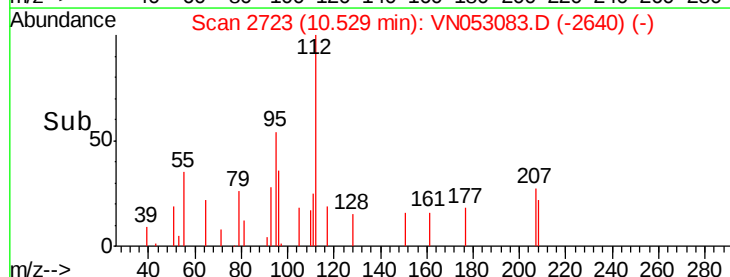
6000

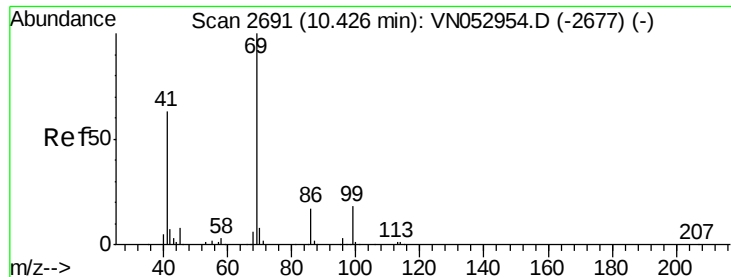
4000

2000

0

Time-->





#56

Ethyl methacrylate

Concen: 0.288 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

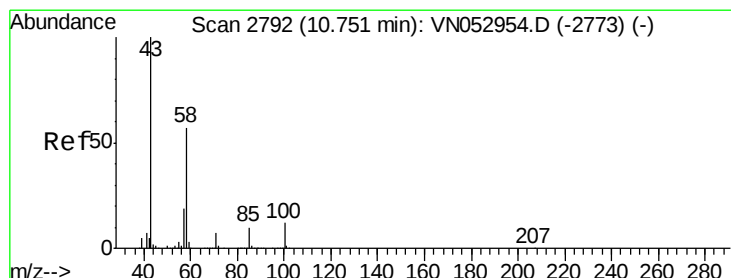
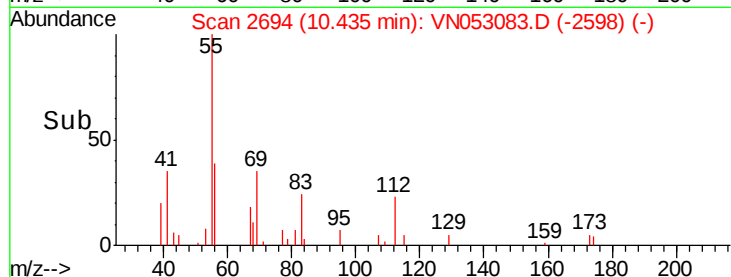
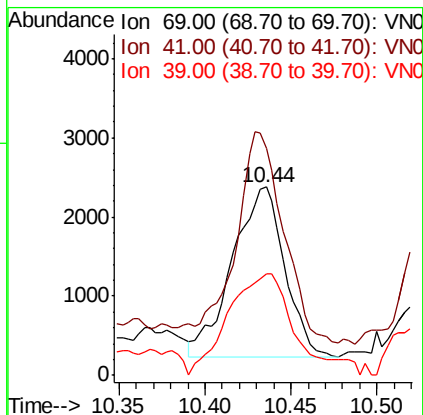
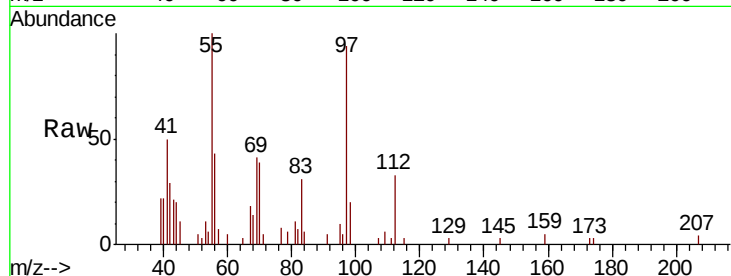
Tot Ion: 69 Resp: 4537

Ion Ratio Lower Upper

69 100

41 111.7 51.7 77.5#

39 76.7 24.6 37.0#



#59

2-Hexanone

Concen: 0.460 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.14 min

Lab File: VN053083.D

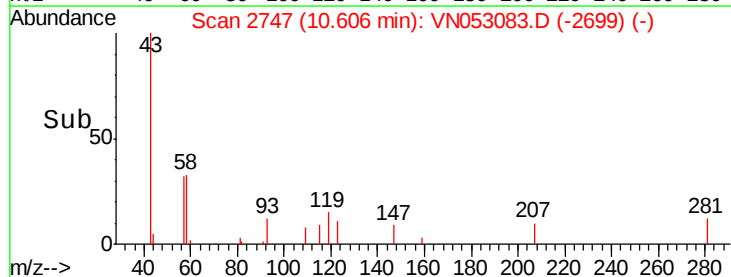
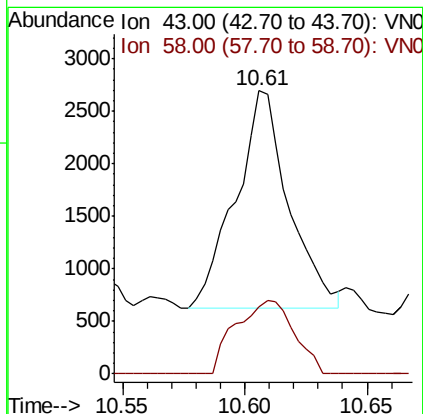
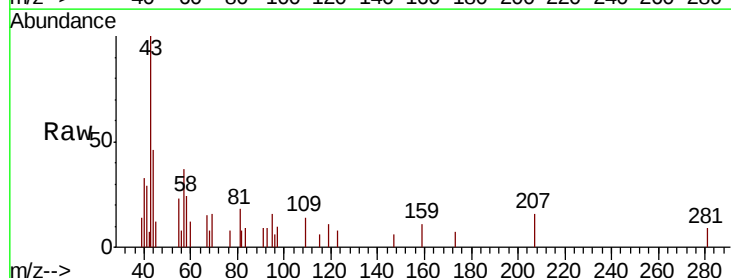
Acq: 21 Dec 2018 3:56

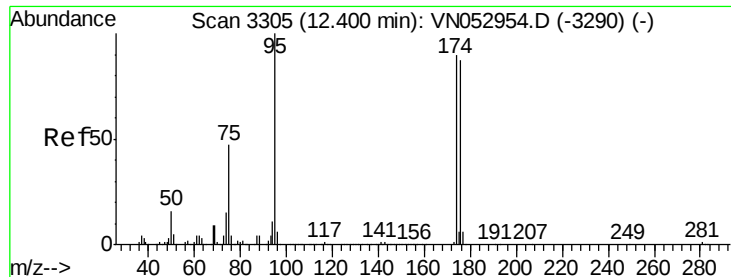
Tgt Ion: 43 Resp: 3114

Ion Ratio Lower Upper

43 100

58 37.3 28.1 84.3





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

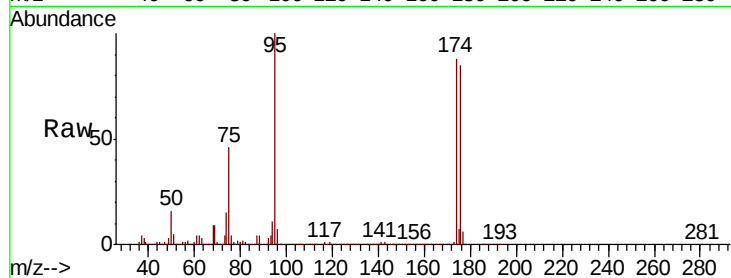
Tot Ion: 95 Resp: 822249

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 87.2 0.0 173.8



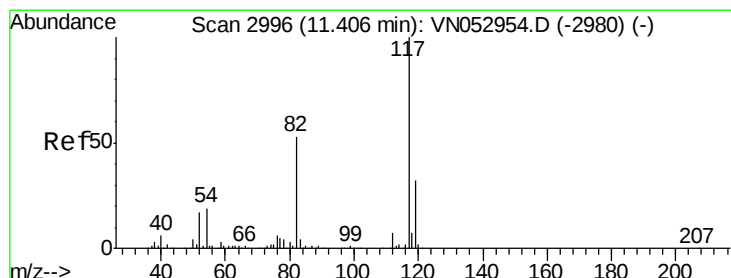
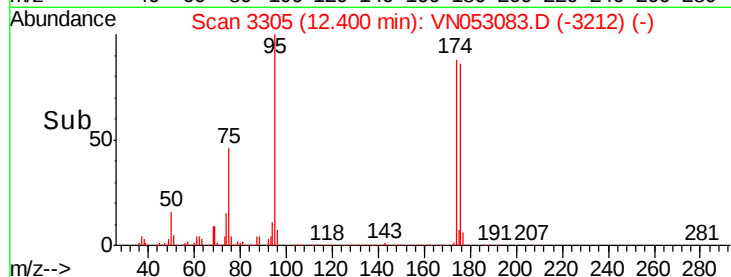
Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)

Time-->

12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

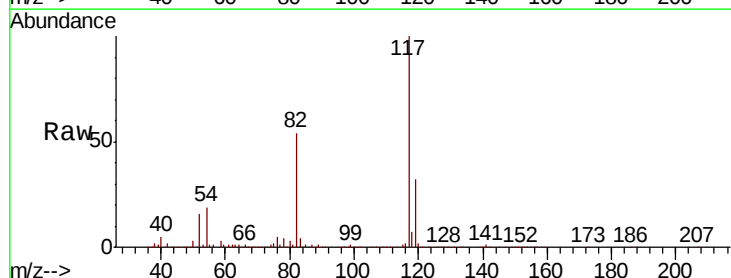
Tgt Ion: 117 Resp: 1755294

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.2 25.5 38.3



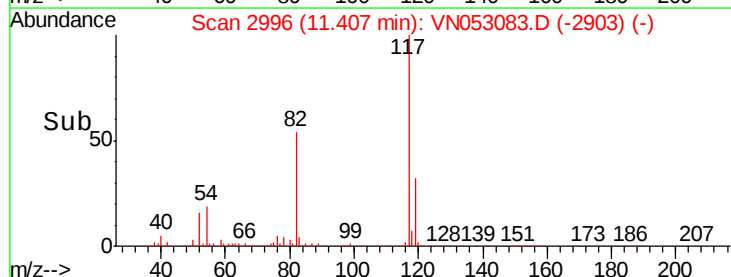
Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

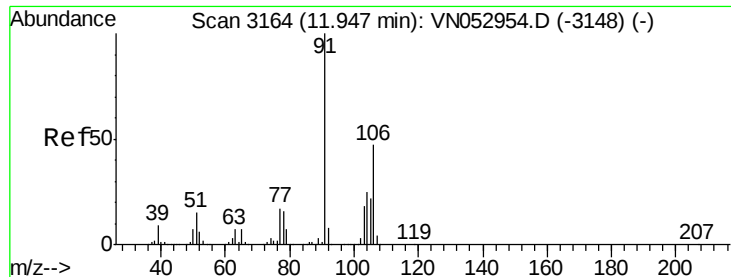
Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)

Time-->

11.30 11.40 11.50

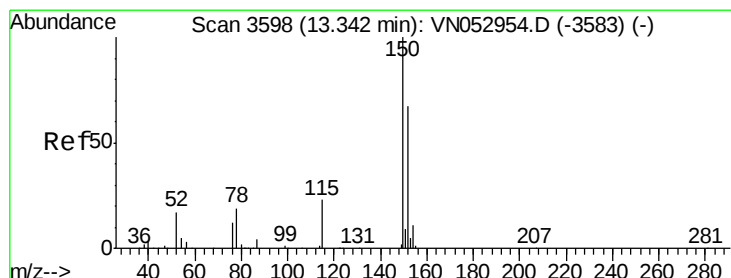
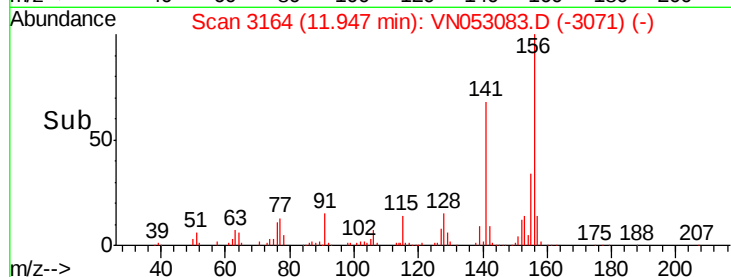
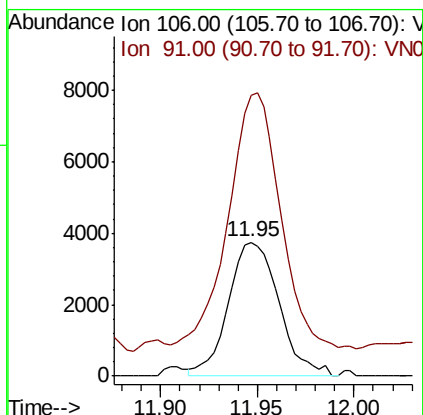
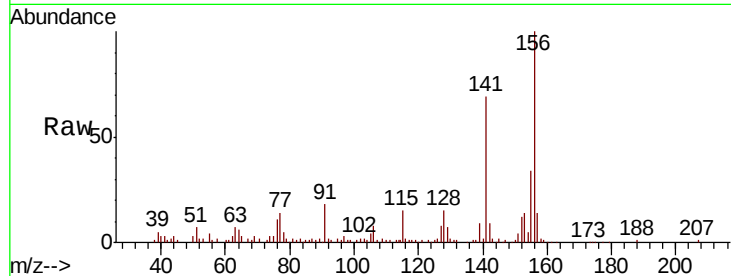




#69  
o-Xylene  
Concen: 0.280 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

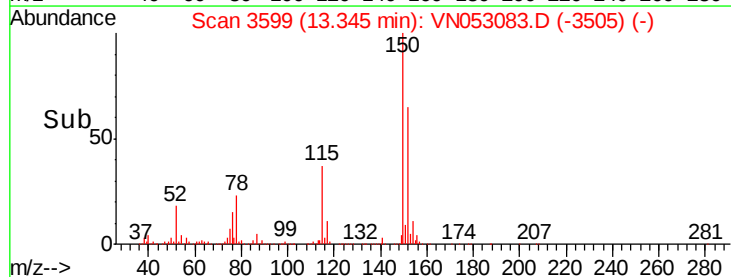
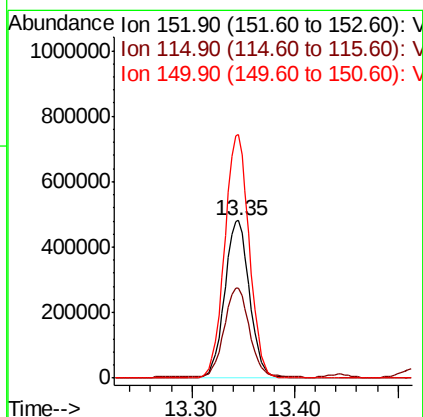
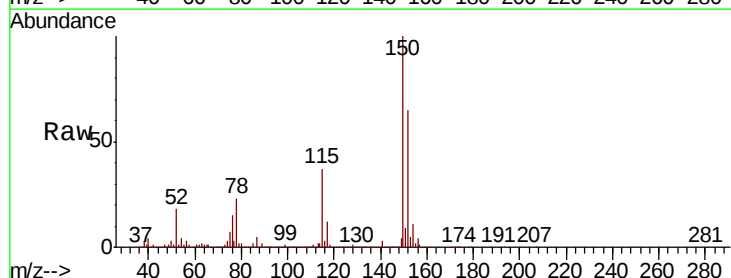
Instrument :  
MSVOA\_N  
ClientSampled :  
DUP-122018-02

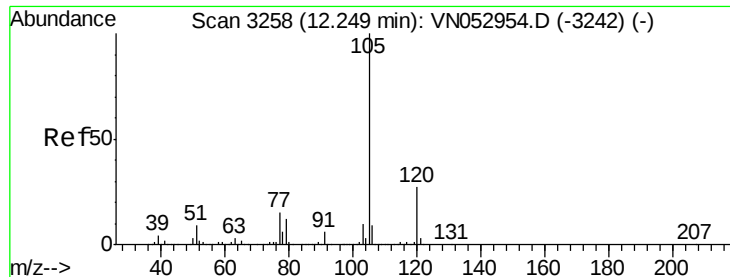
Tot Ion:106 Resp: 6832  
Ion Ratio Lower Upper  
106 100  
91 196.4 106.6 319.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

Tgt Ion:152 Resp: 804073  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.3 85.0  
150 152.9 0.0 347.8





#73

Isopropylbenzene

Concen: 3.505 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

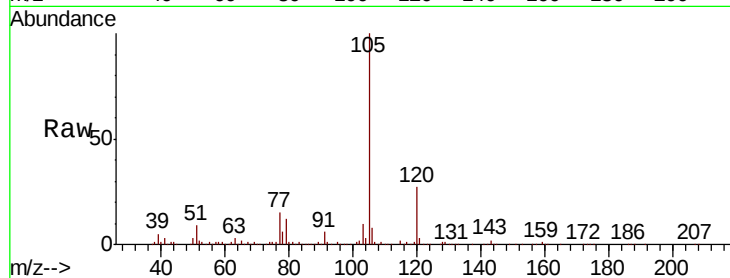
DUP-122018-02

Tot Ion:105 Resp: 220526

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

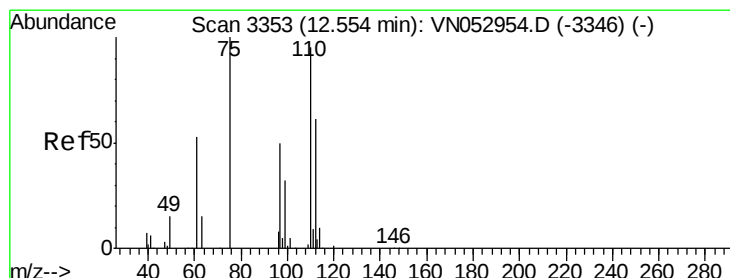
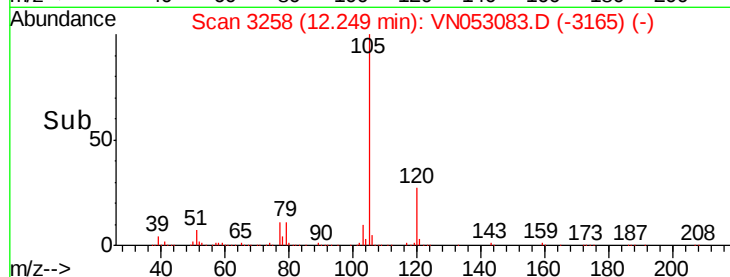
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053083.D

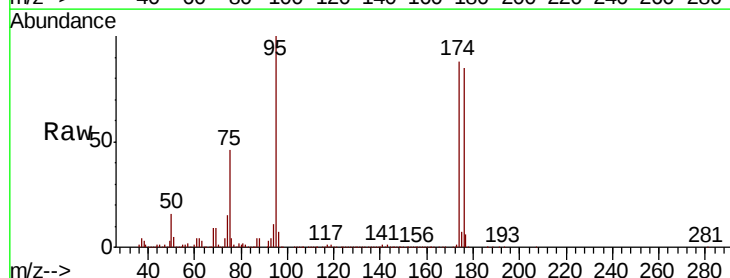
Acq: 21 Dec 2018 3:56

Tgt Ion: 75 Resp: 380768

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

250000

200000

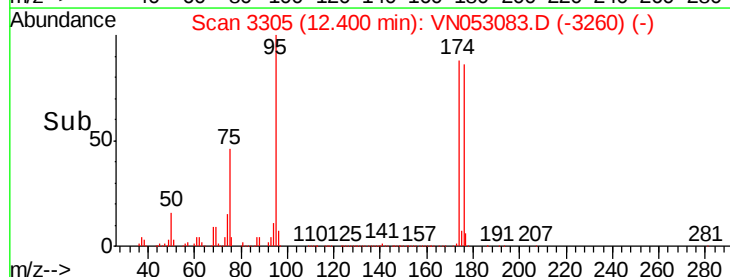
150000

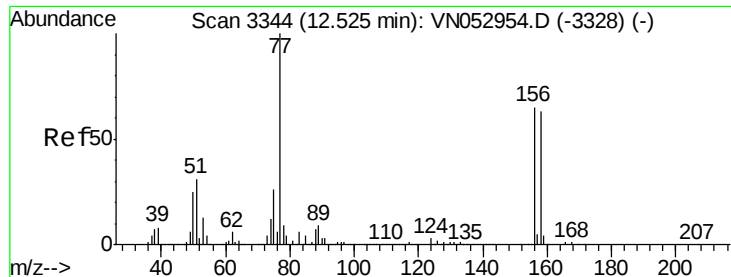
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 36.656 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampled :

DUP-122018-02

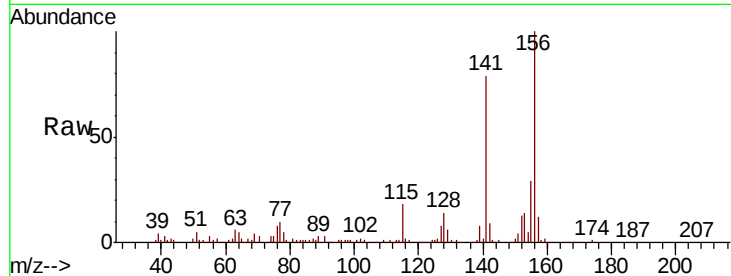
Tot Ion:156 Resp: 599450

Ion Ratio Lower Upper

156 100

77 5.9 91.3 273.8#

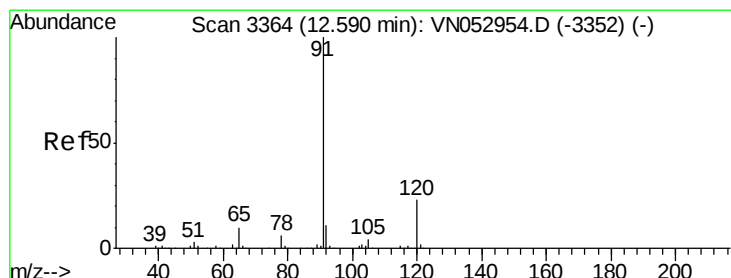
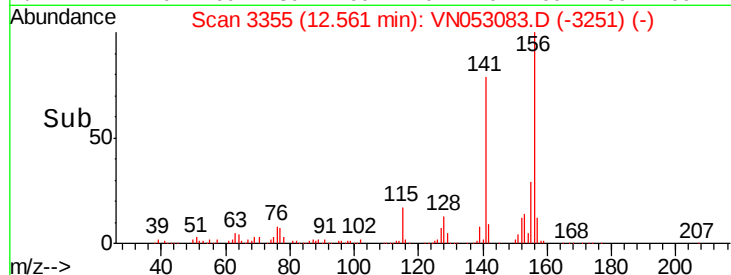
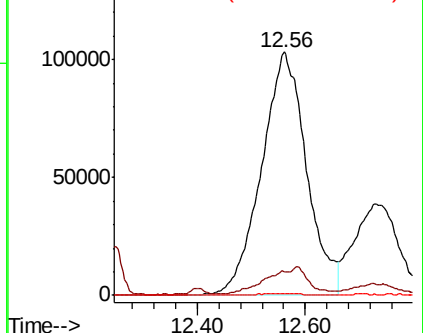
158 0.2 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.124 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053083.D

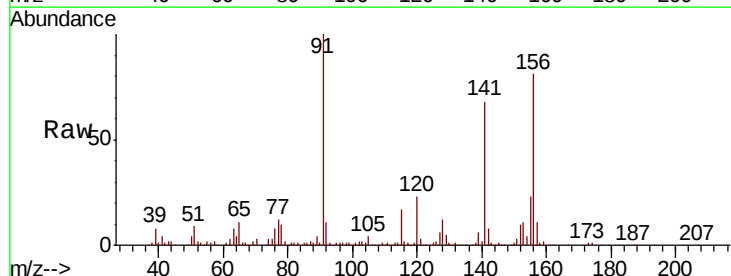
Acq: 21 Dec 2018 3:56

Tgt Ion: 91 Resp: 152162

Ion Ratio Lower Upper

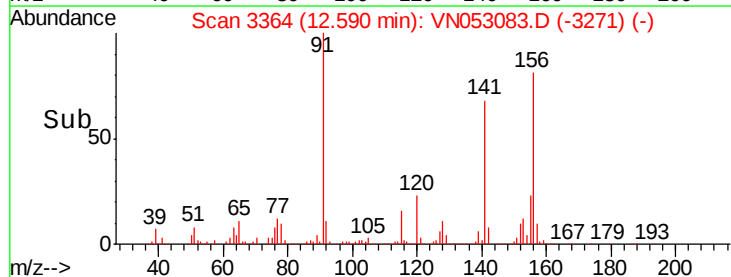
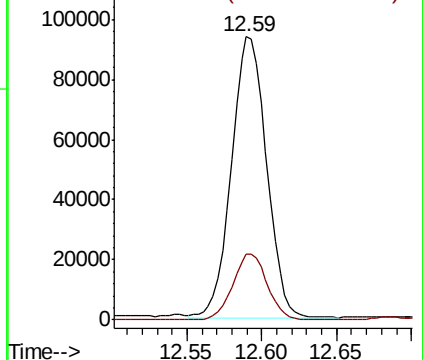
91 100

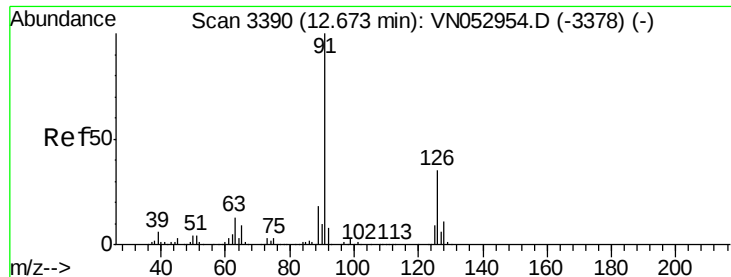
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

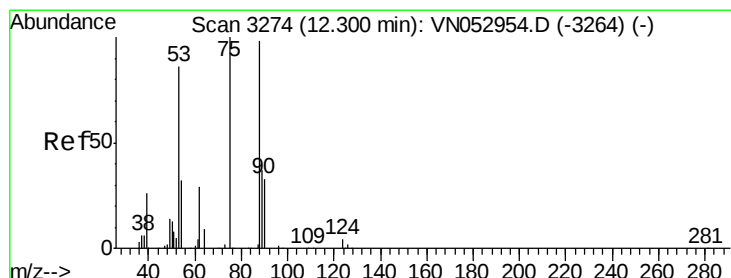
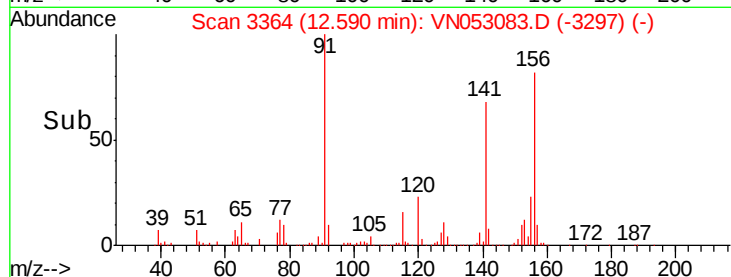
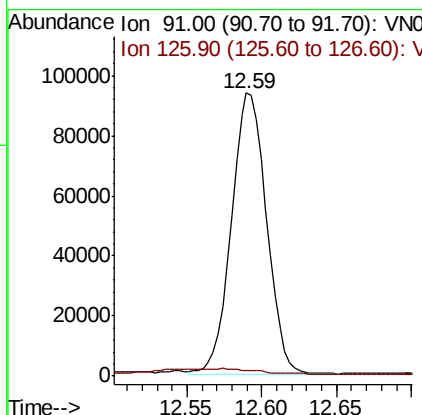
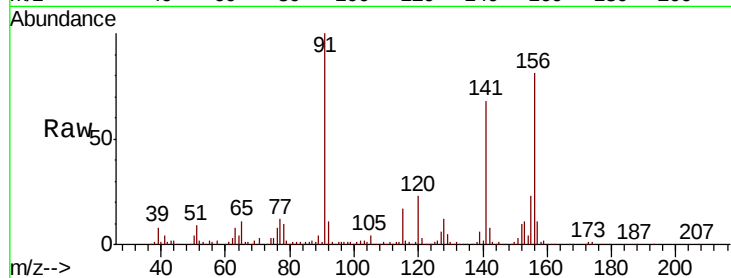




#79  
2-Chlorotoluene  
Concen: 3.426 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. -0.08 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

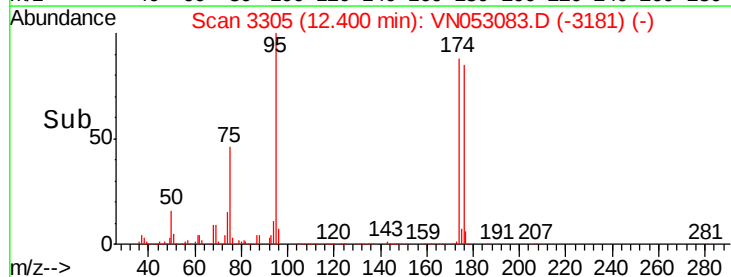
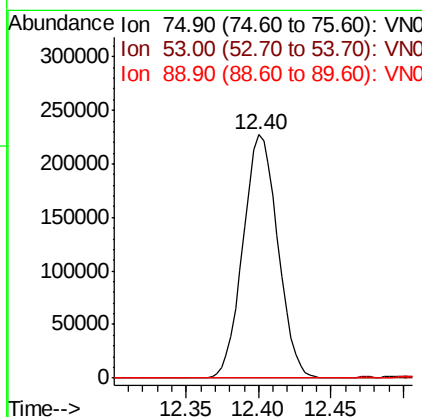
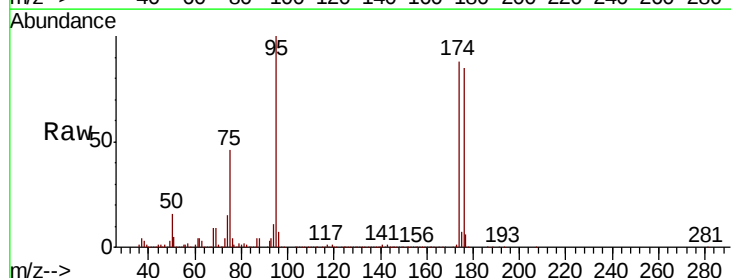
Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP-122018-02

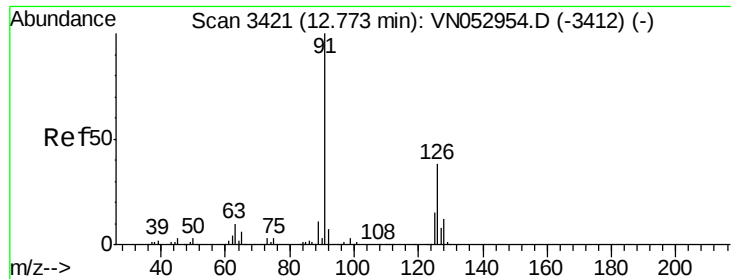
Tot Ion: 91 Resp: 152162  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.4 52.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.668 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.10 min  
Lab File: VN053083.D  
Acq: 21 Dec 2018 3:56

Tgt Ion: 75 Resp: 380768  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.7 112.1#  
89 0.1 36.1 54.1#





#82

4-Chlorotoluene

Concen: 3.500 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.18 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampled :

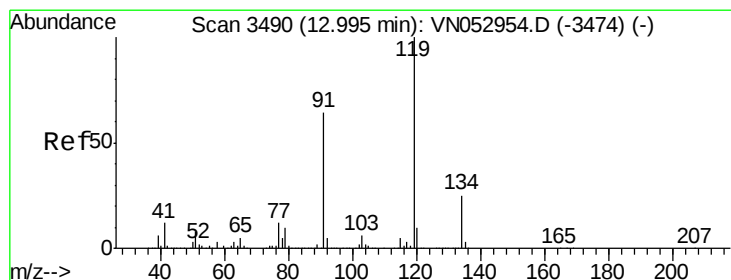
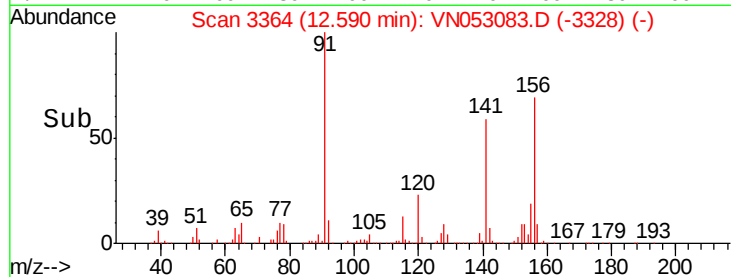
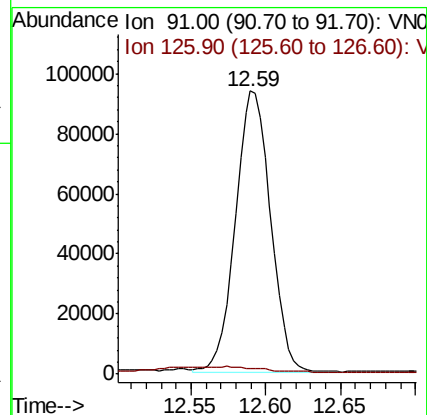
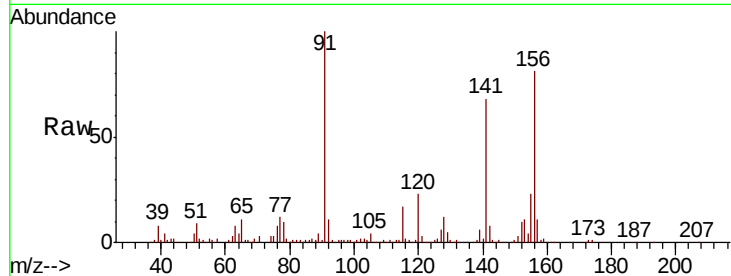
DUP-122018-02

Tot Ion: 91 Resp: 152162

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.7#



#83

tert-Butylbenzene

Concen: 1.623 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

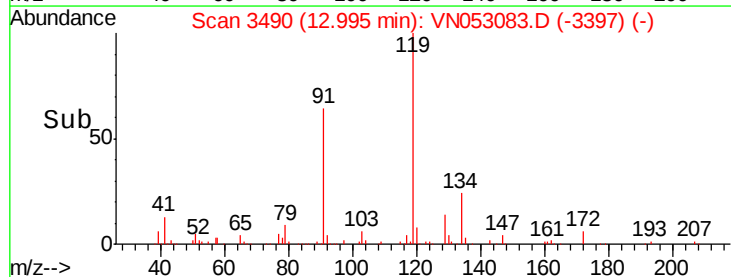
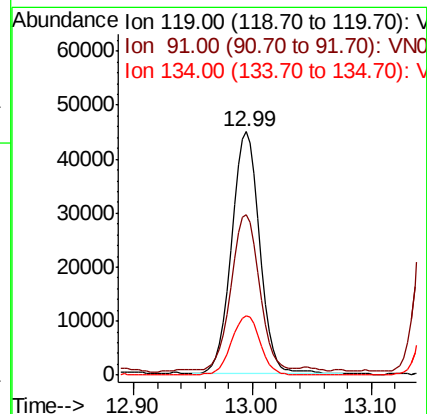
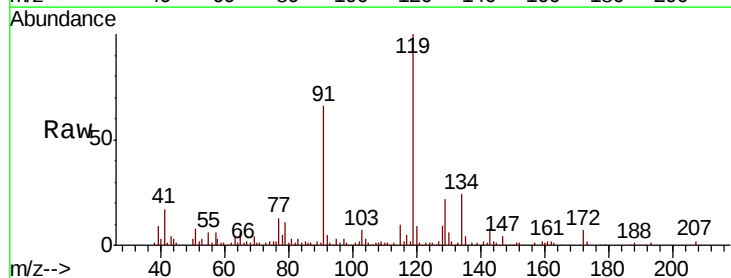
Tgt Ion: 119 Resp: 73595

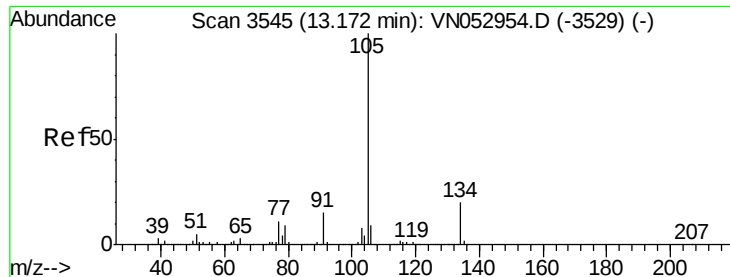
Ion Ratio Lower Upper

119 100

91 64.3 31.9 95.5

134 24.9 12.8 38.4





#85

sec-Butylbenzene

Concen: 3.896 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

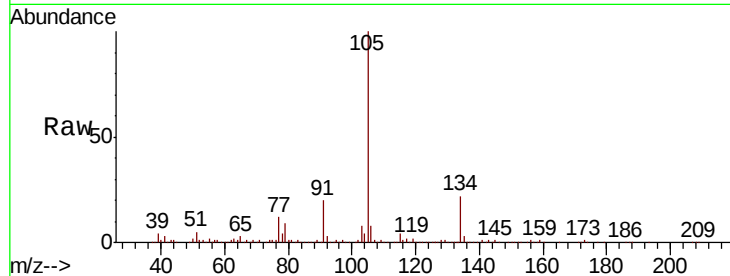
DUP-122018-02

Tot Ion:105 Resp: 238987

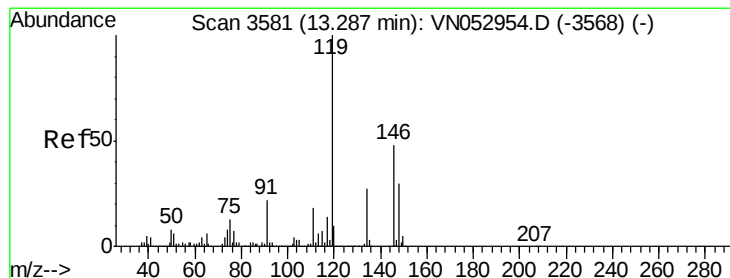
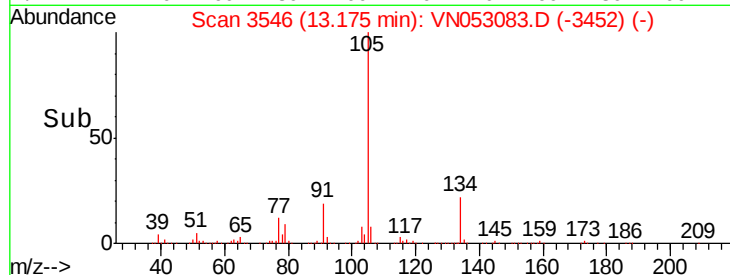
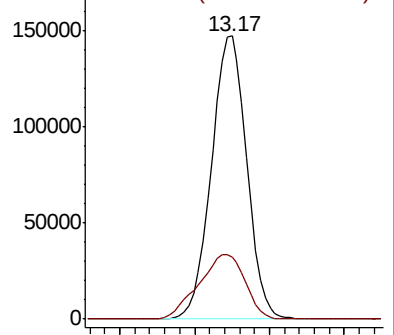
Ion Ratio Lower Upper

105 100

134 30.3 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 3.857 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

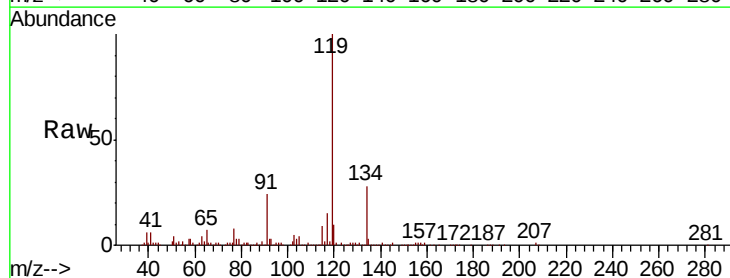
Tgt Ion:119 Resp: 204420

Ion Ratio Lower Upper

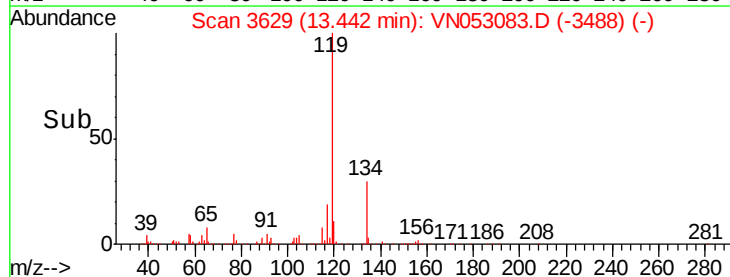
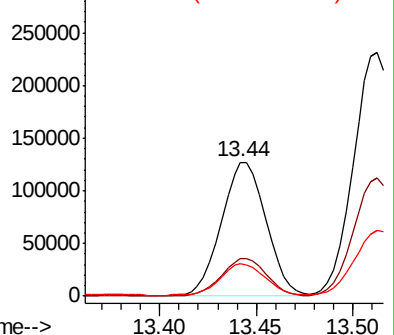
119 100

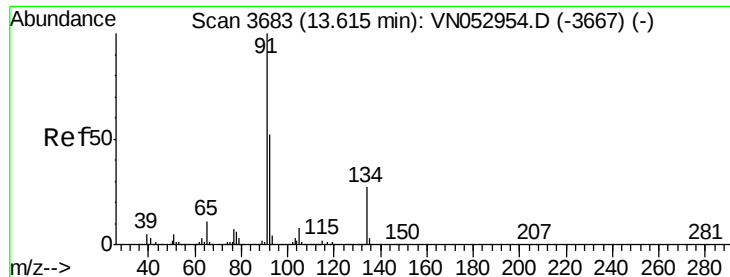
134 28.6 13.4 40.2

91 23.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V





#89

n-Butylbenzene

Concen: 0.315 ug/l

RT: 13.60 min Scan# 3677

Delta R.T. -0.02 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

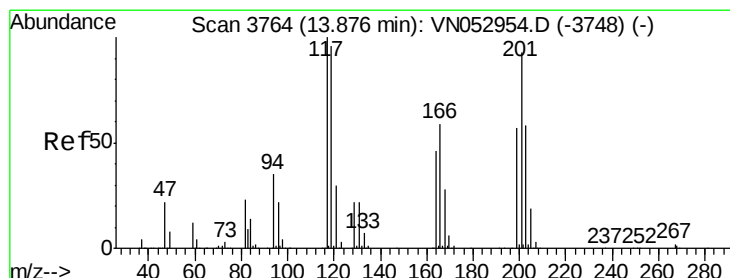
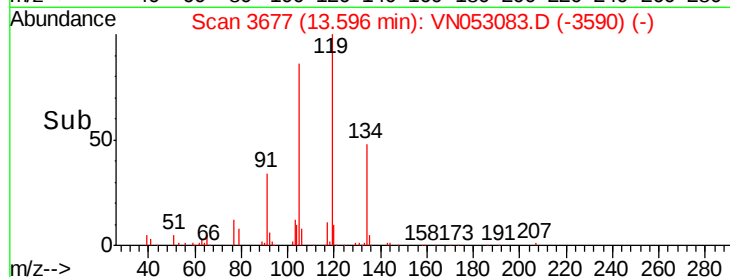
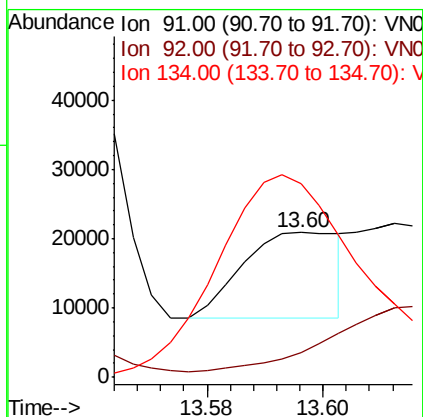
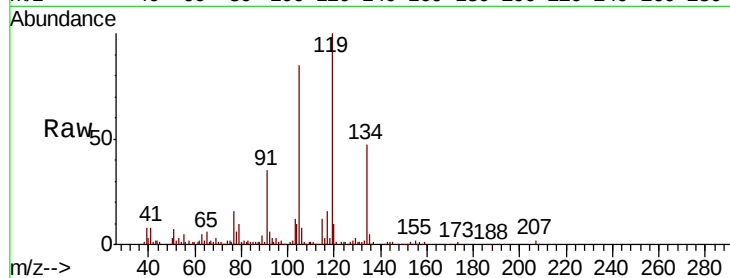
Tot Ion: 91 Resp: 14346

Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.9#

134 366.7 13.3 39.8#



#90

Hexachloroethane

Concen: 17.395 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053083.D

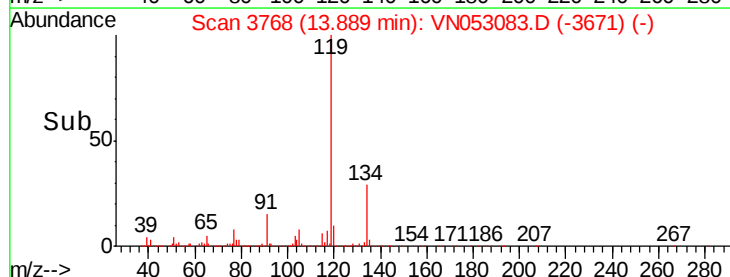
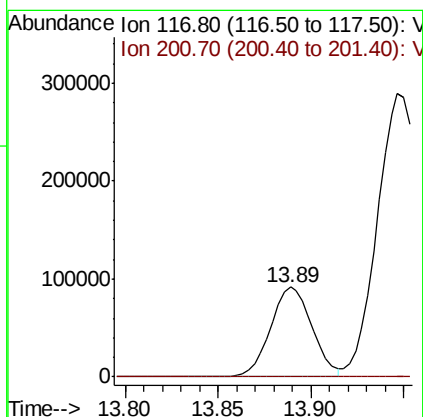
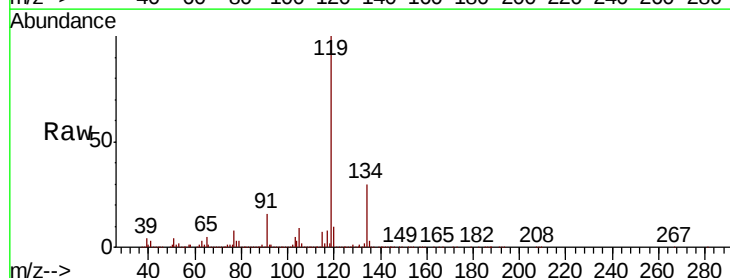
Acq: 21 Dec 2018 3:56

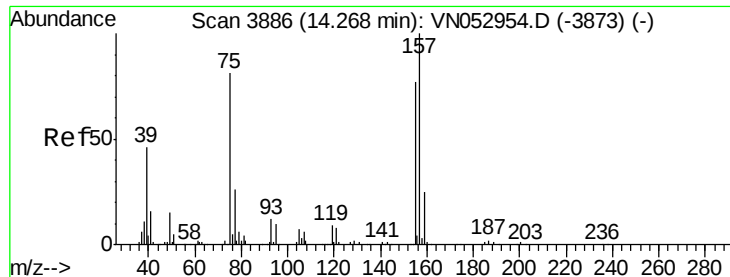
Tgt Ion: 117 Resp: 141492

Ion Ratio Lower Upper

117 100

201 0.0 45.7 137.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.013 ug/l

RT: 14.21 min Scan# 3868

Delta R.T. -0.06 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

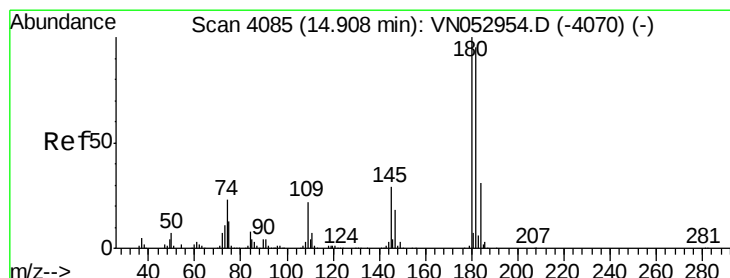
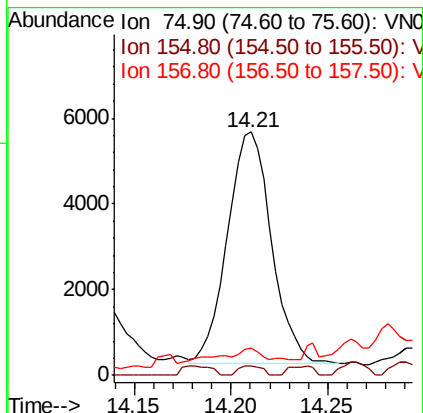
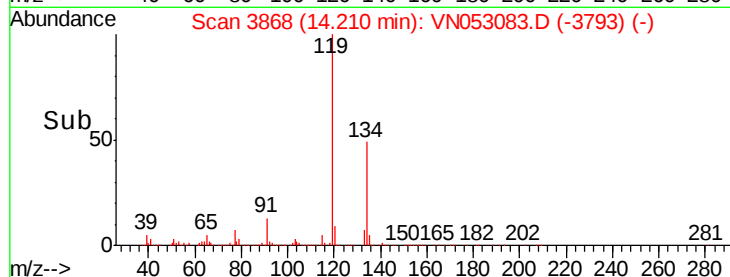
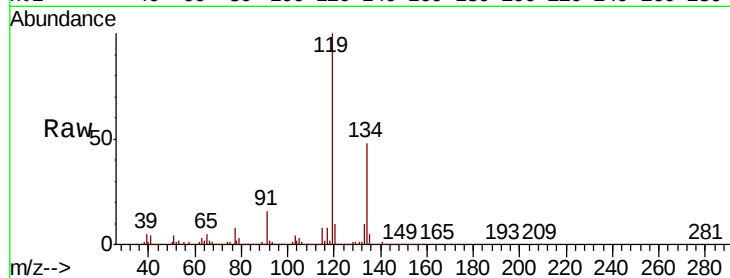
Tot Ion: 75 Resp: 8565

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 2.4 61.2 183.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.612 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

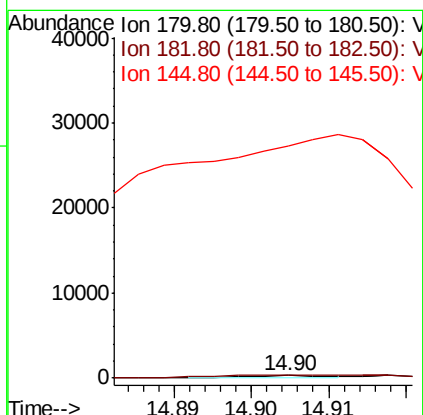
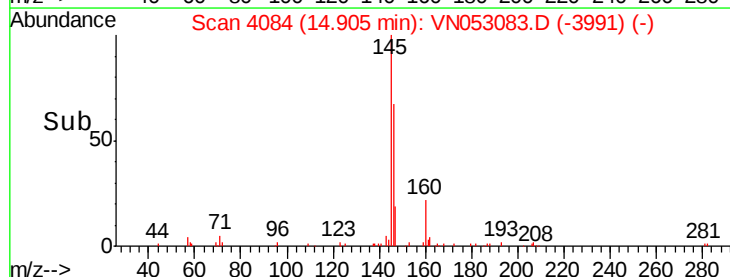
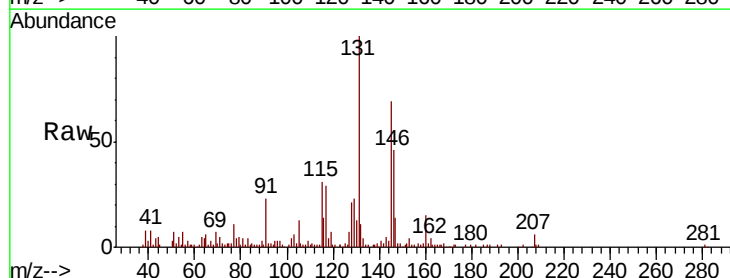
Tgt Ion:180 Resp: 239

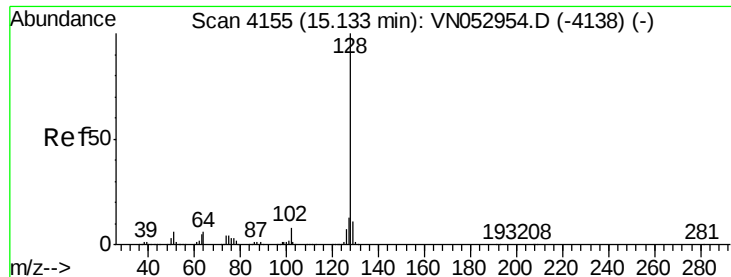
Ion Ratio Lower Upper

180 100

182 283.7 47.8 143.3#

145 32946.9 14.2 42.6#





#95

Naphthalene

Concen: 1.275 ug/l

RT: 15.09 min Scan# 4143

Delta R.T. -0.04 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

Instrument :

MSVOA\_N

ClientSampleId :

DUP-122018-02

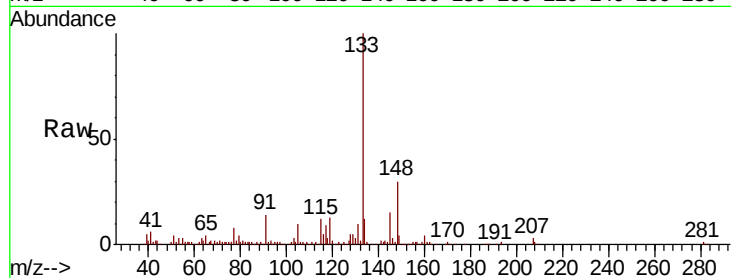
Tot Ion:128 Resp: 4151

Ion Ratio Lower Upper

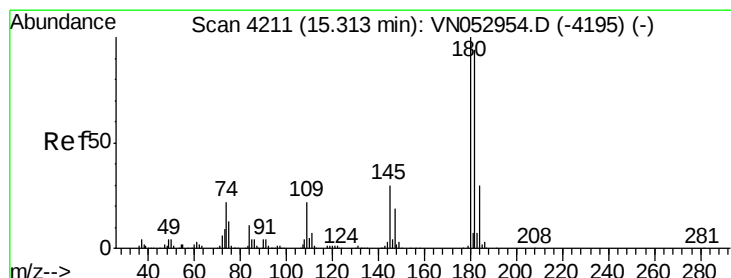
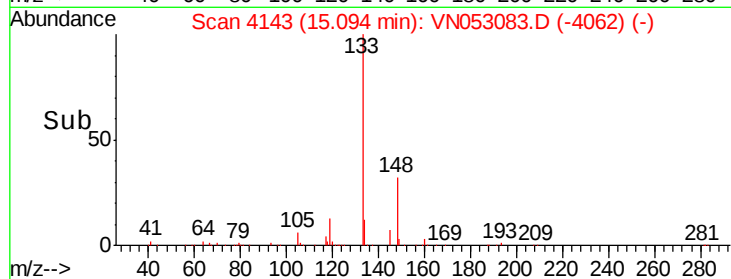
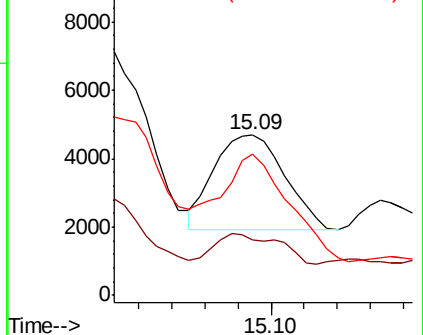
128 100

127 32.2 10.2 15.4#

129 97.6 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: 0.515 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053083.D

Acq: 21 Dec 2018 3:56

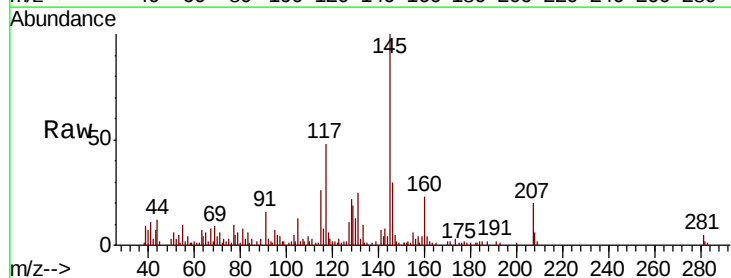
Tgt Ion:180 Resp: 91

Ion Ratio Lower Upper

180 100

182 228.6 47.9 143.7#

145 0.0 15.0 45.0#



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

