

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\  
 Data File : VN052659.D  
 Acq On : 4 Dec 2018 17:21  
 Operator : MD\SY  
 Sample : J6184-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RO-331

Quant Time: Dec 05 03:09:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1158619  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1800823  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1593727  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 603802   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 614823   | 48.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.48%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 551460   | 49.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.34%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2197441  | 50.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.70% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 697084   | 48.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.00%  |          |

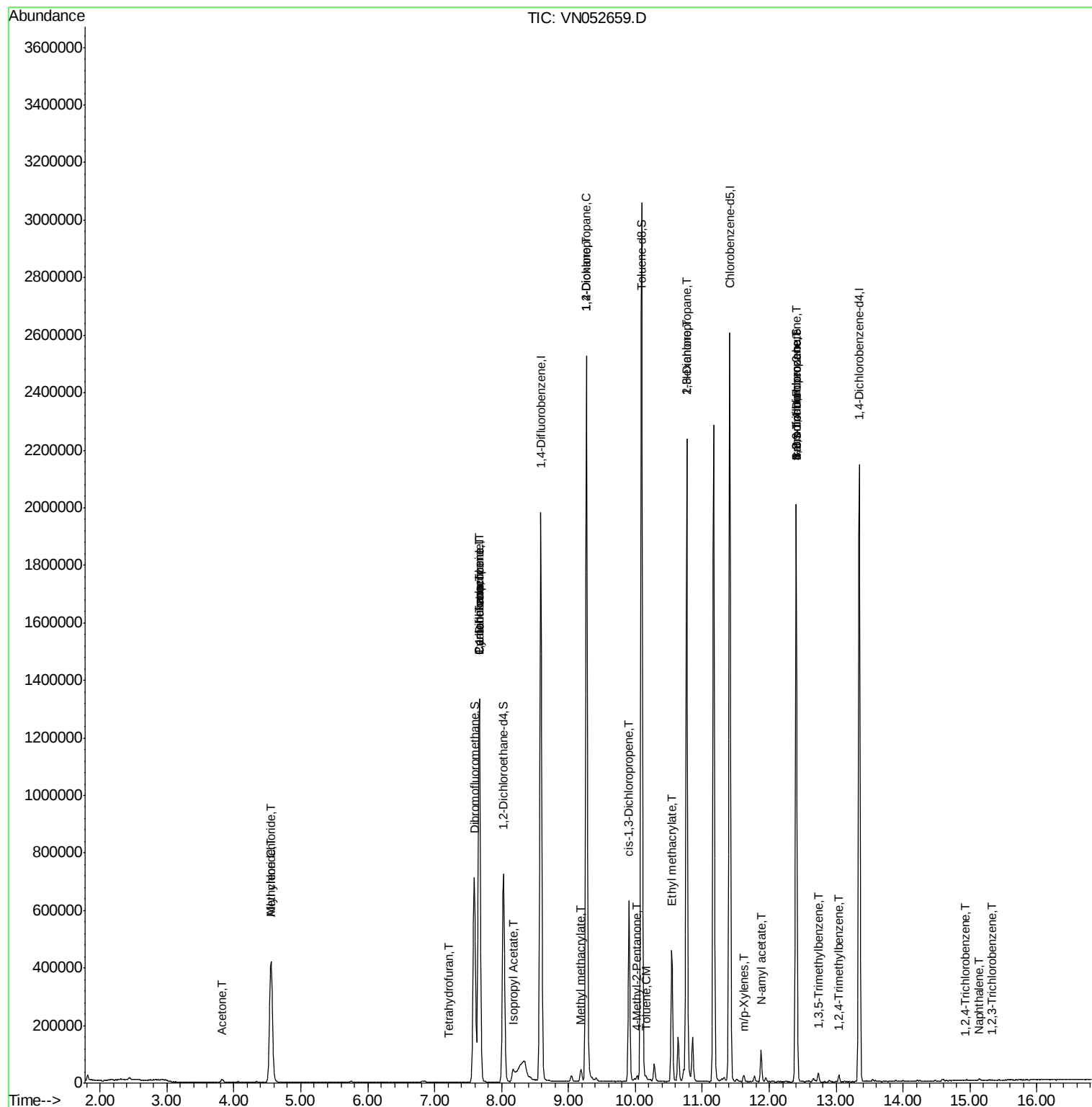
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 14) Allyl chloride             | 4.55  | 41   | 12728    | 0.680   | ug/l # | 27     |
| 16) Acetone                    | 3.82  | 43   | 18936    | 5.691   | ug/l   | 97     |
| 20) Methylene Chloride         | 4.56  | 84   | 331033   | 25.423  | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.22  | 42   | 1344     | 0.442   | ug/l # | 45     |
| 31) Cyclohexane                | 7.67  | 56   | 19907    | 0.555   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 79541    | 4.677   | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 100968   | 6.559   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 63984    | 3.643   | ug/l # | 74     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 3697     | 0.274   | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 14849    | 1.621   | ug/l # | 13     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 205      | 2.157   | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 15888    | 1.612   | ug/l # | 36     |
| 52) Toluene                    | 10.16 | 92   | 6317     | 0.210   | ug/l   | 97     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 114396   | 6.119   | ug/l # | 62     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1646     | 2.799   | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.77 | 76   | 23361    | 1.249   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.77 | 43   | 327477   | 49.515  | ug/l # | 52     |
| 68) m/p-Xylenes                | 11.62 | 106  | 7885     | 0.368   | ug/l   | 93     |
| 71) Bromoform                  | 12.40 | 173  | 4360     | 0.576   | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 34349    | 2.870   | ug/l # | 52     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 331122   | 35.563  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 14301    | 0.379   | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 331122   | 118.762 | ug/l # | 11     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 14159    | 0.374   | ug/l   | 99     |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180  | 141      | 2.842   | ug/l # | 52     |
| 95) Naphthalene                | 15.14 | 128  | 5271     | 3.644   | ug/l   | 97     |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 31       | 2.730   | ug/l # | 12     |

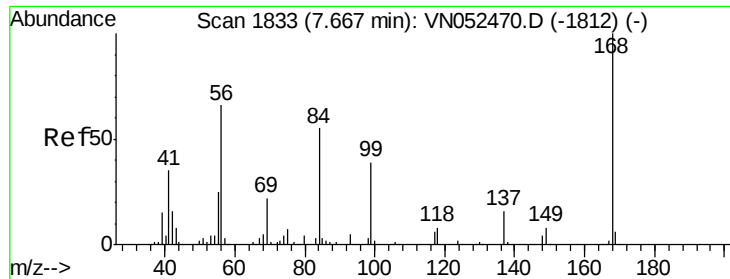
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120418\  
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ALS Vial : 16 Sample Multiplier: 28

Instrument :  
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ClientSampleId :  
RO-331

Quant Time: Dec 05 03:09:48 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 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: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

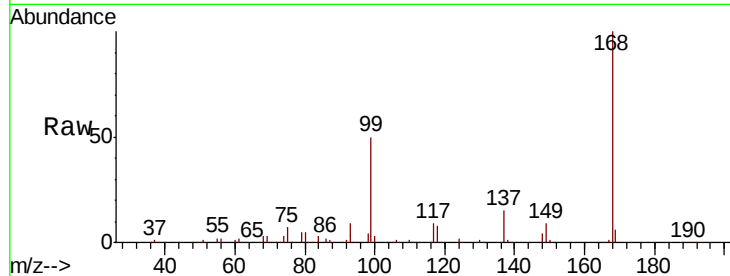
RO-331

Tot Ion:168 Resp: 1158619

Ion Ratio Lower Upper

168 100

99 49.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

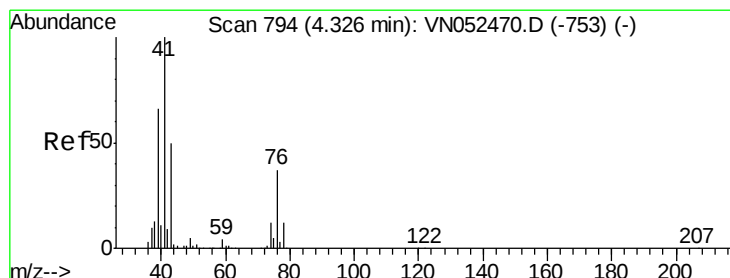
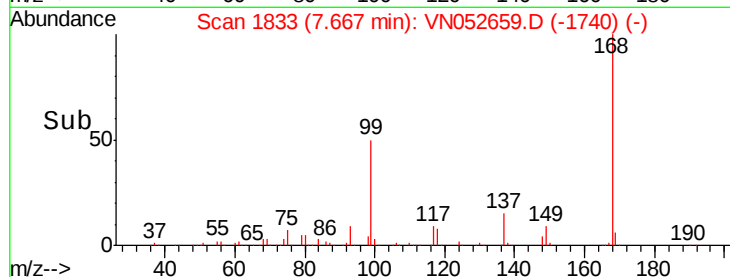
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 0.680 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

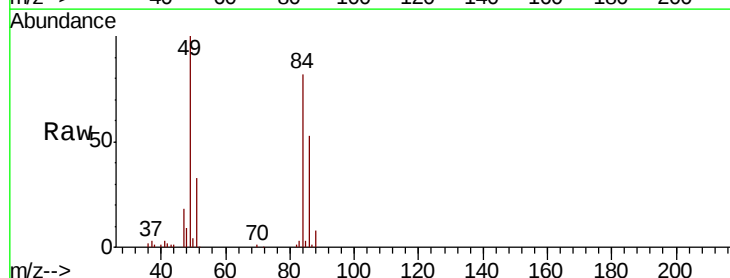
Tgt Ion: 41 Resp: 12728

Ion Ratio Lower Upper

41 100

39 1.0 50.6 76.0#

76 0.0 27.4 41.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.55

6000

5000

4000

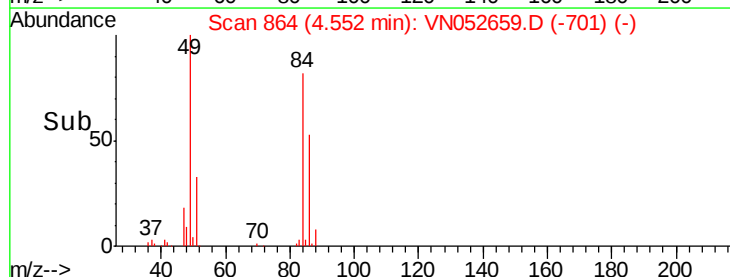
3000

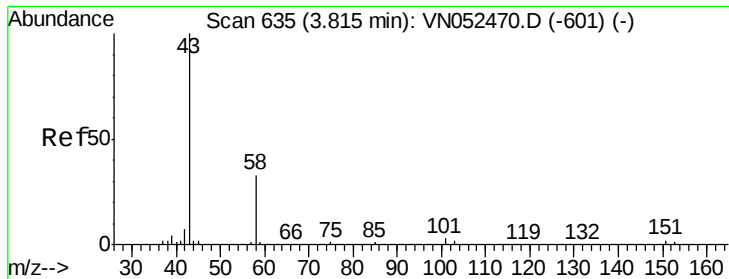
2000

1000

0

Time-->





#16

Acetone

Concen: 5.691 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampleId :

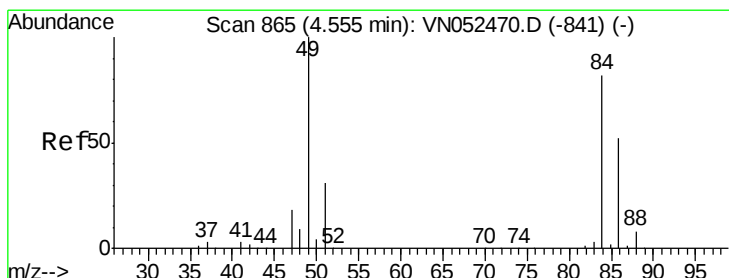
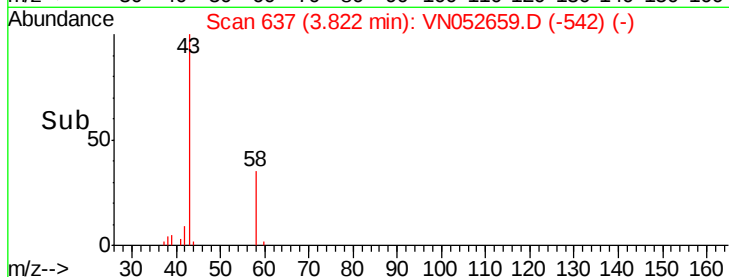
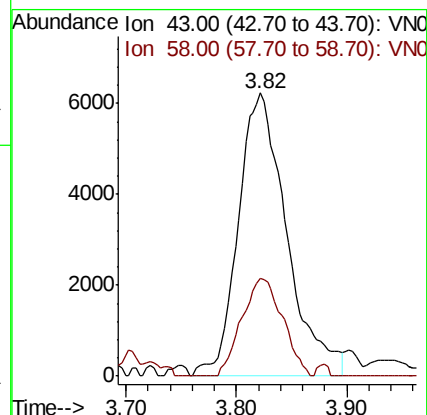
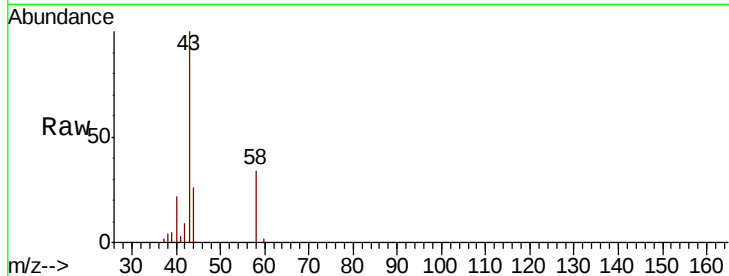
RO-331

Tot Ion: 43 Resp: 18936

Ion Ratio Lower Upper

43 100

58 34.4 26.0 39.0



#20

Methylene Chloride

Concen: 25.423 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Tgt Ion: 84 Resp: 331033

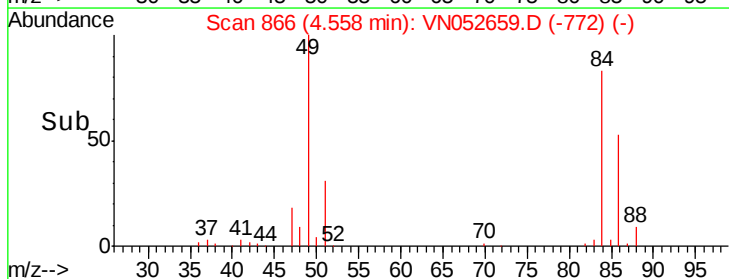
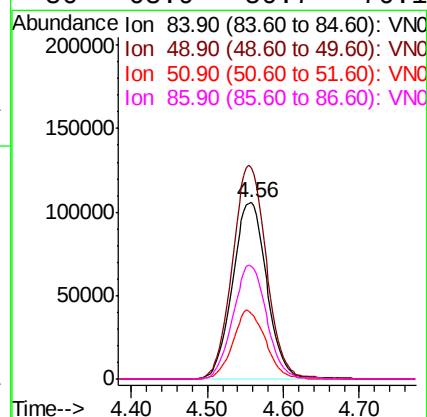
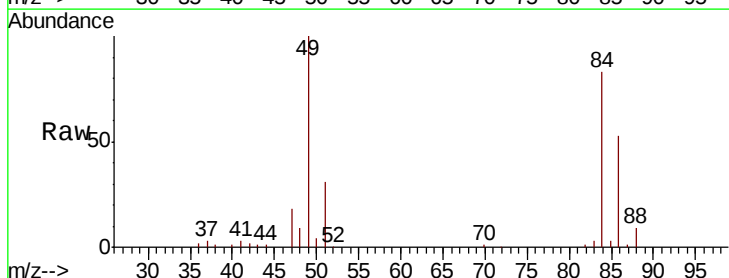
Ion Ratio Lower Upper

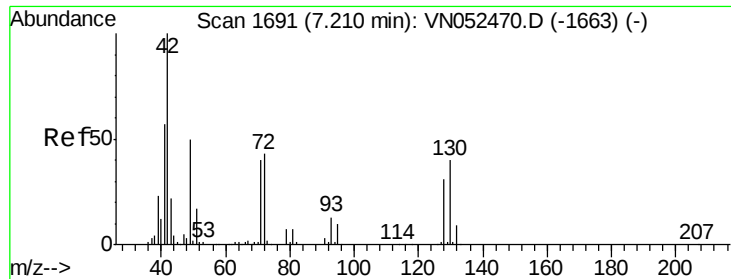
84 100

49 119.9 98.0 147.0

51 37.3 30.1 45.1

86 63.9 50.7 76.1

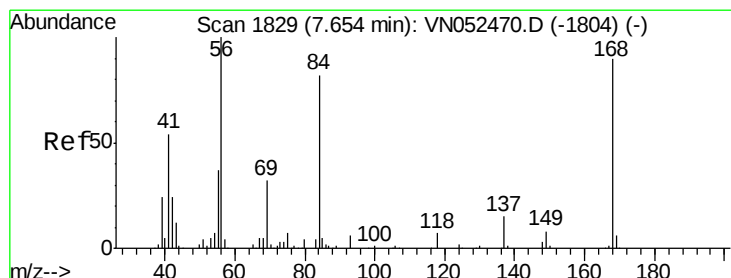
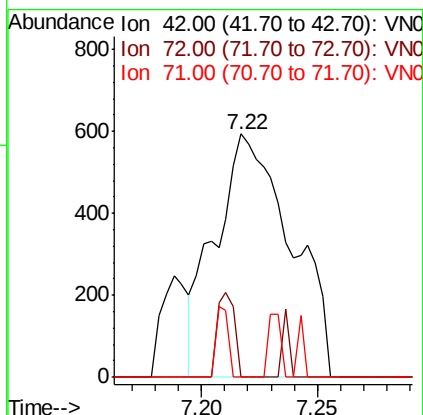
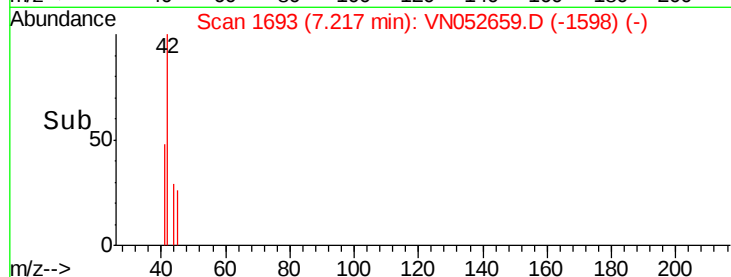
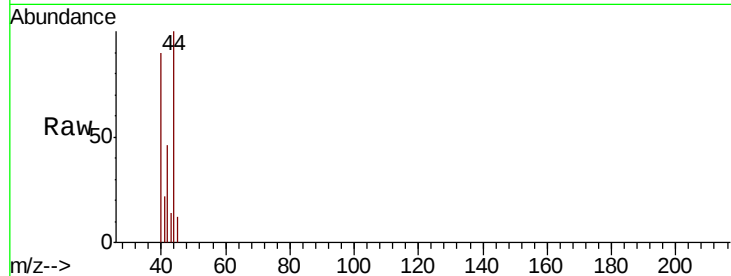




#29  
Tetrahydrofuran  
Concen: 0.442 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.01 min  
Lab File: VN052659.D  
Acq: 4 Dec 2018 17:21

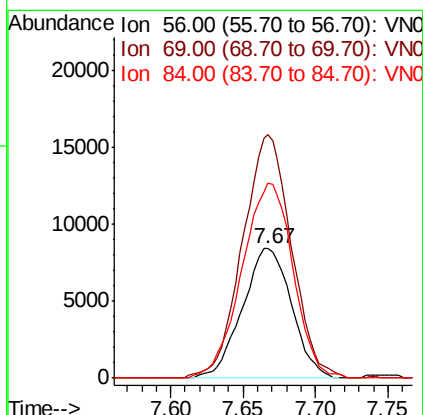
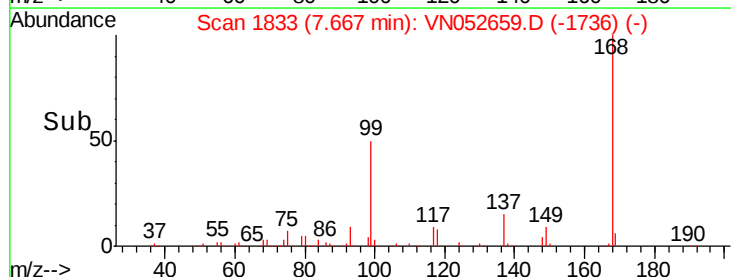
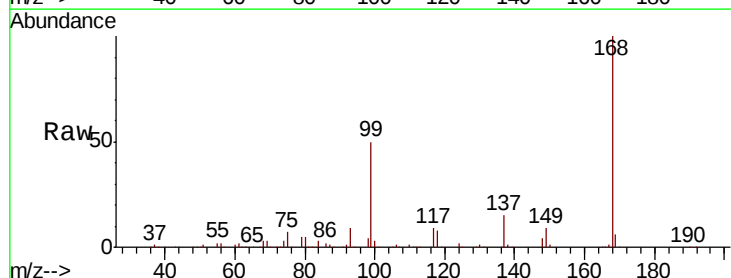
Instrument :  
MSVOA\_N  
ClientSampleId :  
RO-331

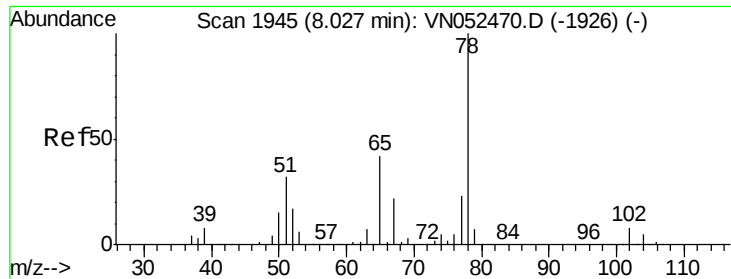
Tot Ion: 42 Resp: 1344  
Ion Ratio Lower Upper  
42 100  
72 8.1 33.3 49.9#  
71 4.8 32.0 48.0#



#31  
Cyclohexane  
Concen: 0.555 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: VN052659.D  
Acq: 4 Dec 2018 17:21

Tgt Ion: 56 Resp: 19907  
Ion Ratio Lower Upper  
56 100  
69 185.9 25.8 38.6#  
84 150.1 65.3 97.9#

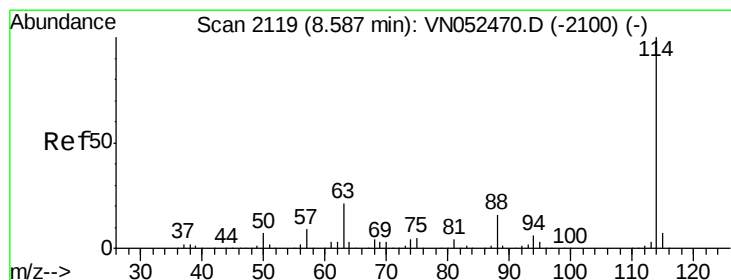
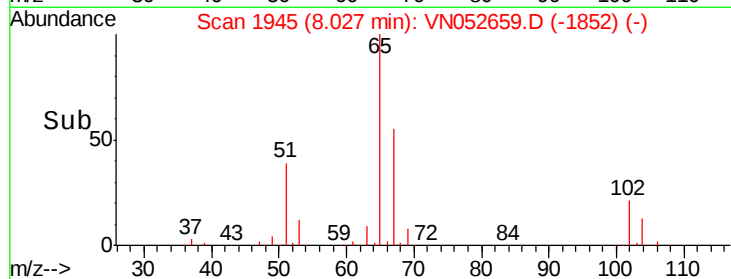
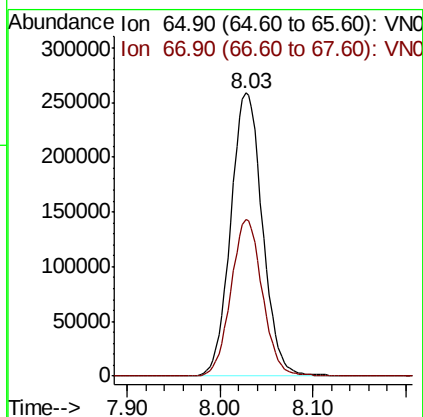
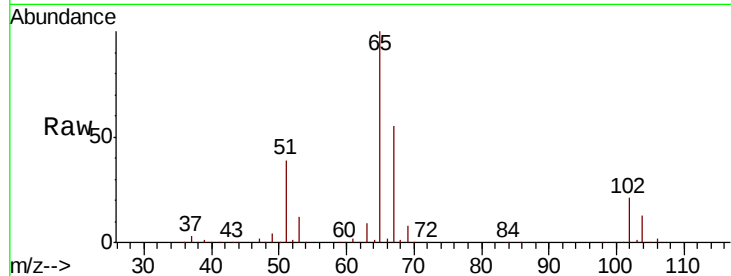




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

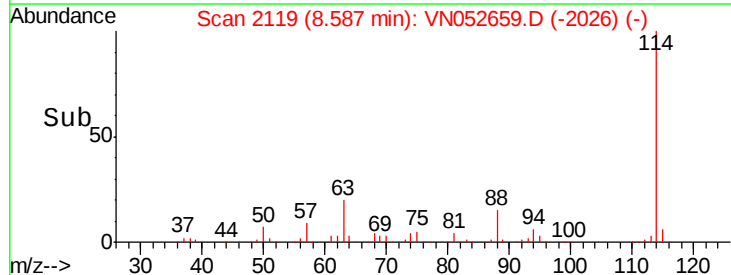
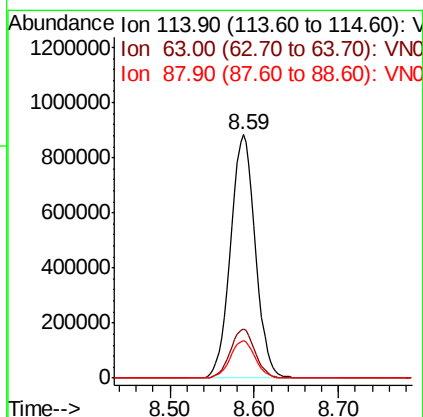
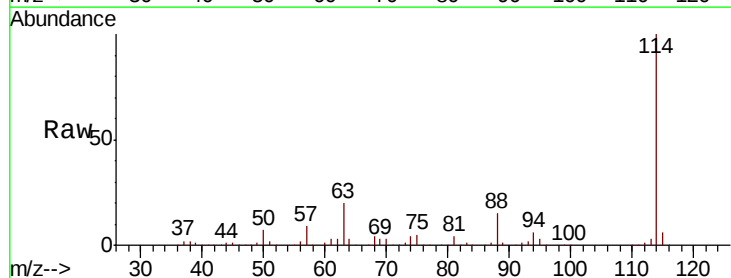
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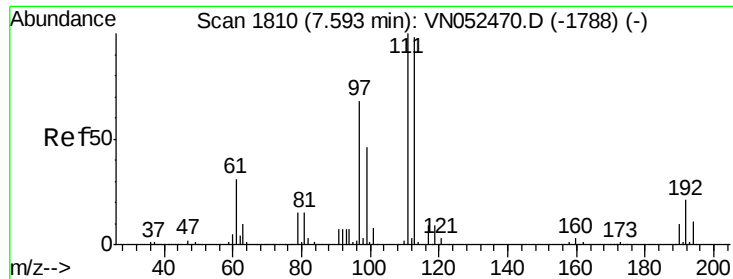
Tot Ion: 65 Resp: 614823  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Tgt Ion: 114 Resp: 1800823  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.8  
 88 15.4 0.0 31.6

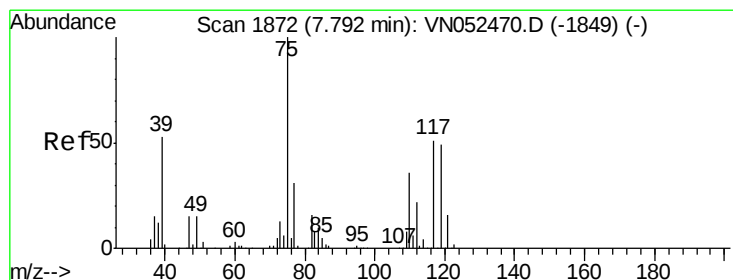
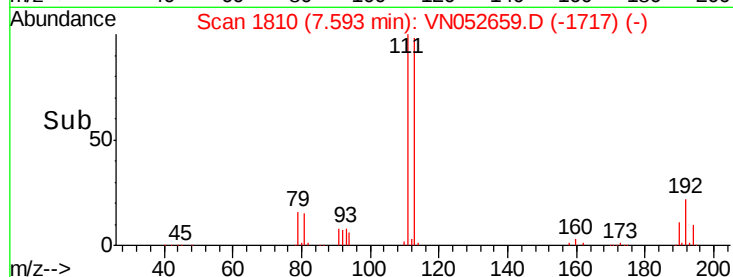
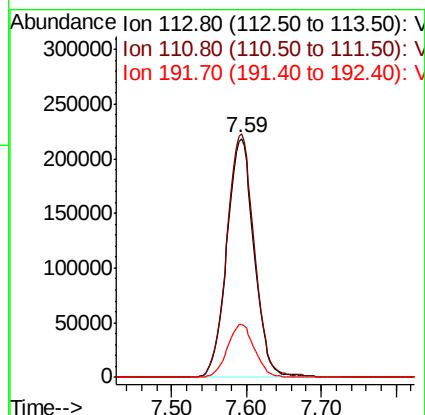
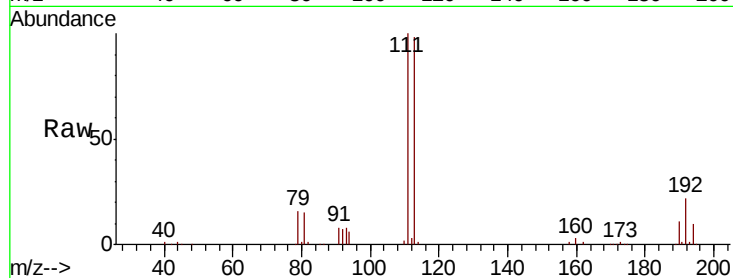




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

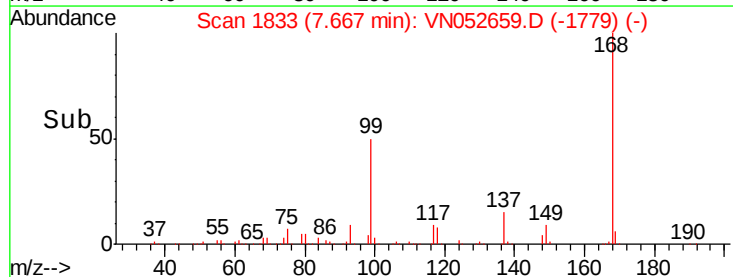
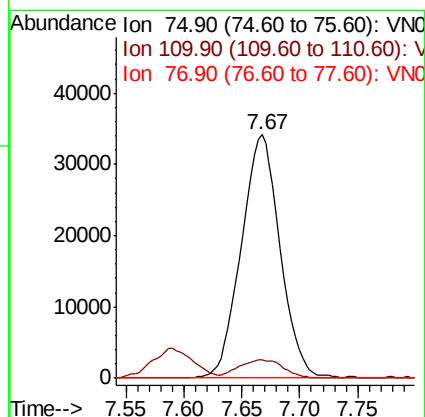
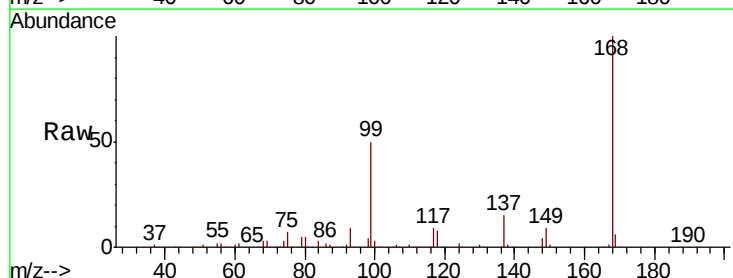
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 RO-331

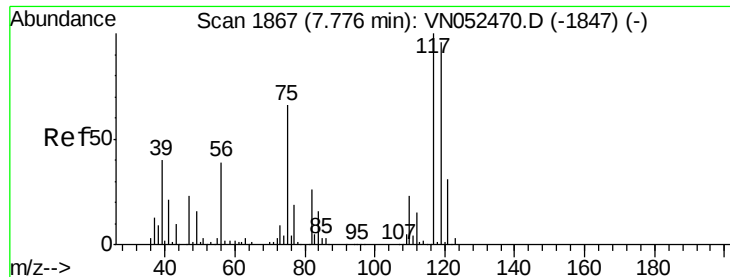
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.0  | 123.0 |
| 192     | 22.1  | 17.0  | 25.6  |



#36  
 1,1-Dichloropropene  
 Concen: 4.677 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.6   | 17.5  | 52.6# |
| 77      | 0.0   | 24.5  | 36.7# |





#38

Carbon Tetrachloride

Concen: 6.559 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

RO-331

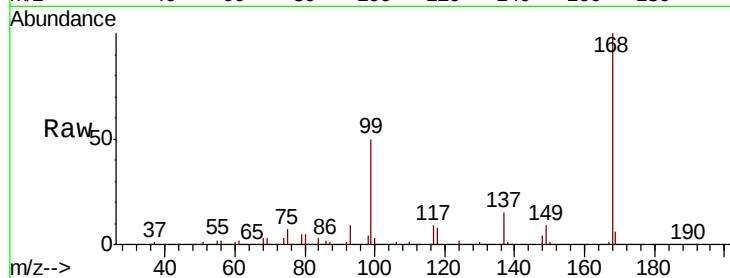
Tot Ion:117 Resp: 100968

Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

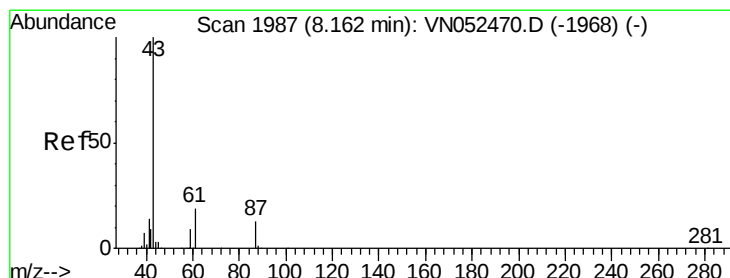
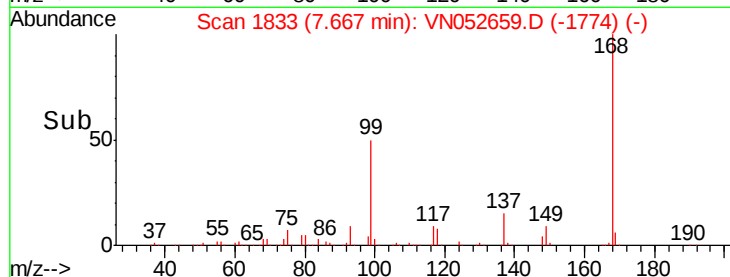
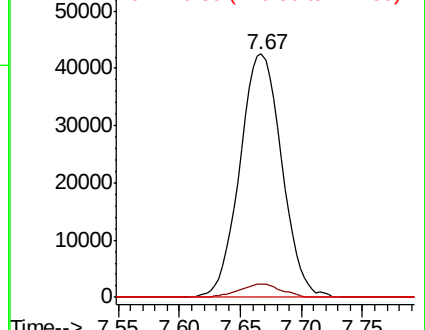
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 3.643 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

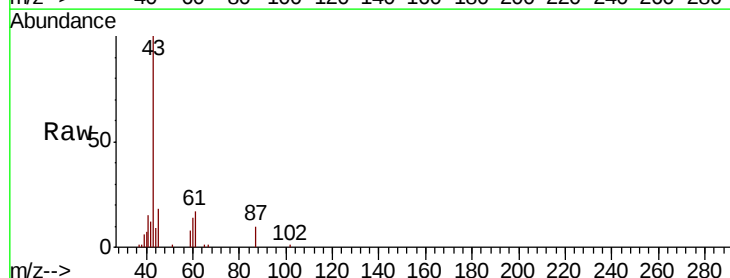
Tgt Ion: 43 Resp: 63984

Ion Ratio Lower Upper

43 100

61 13.0 24.1 36.1#

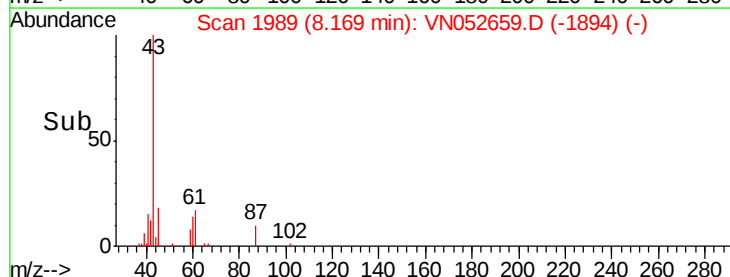
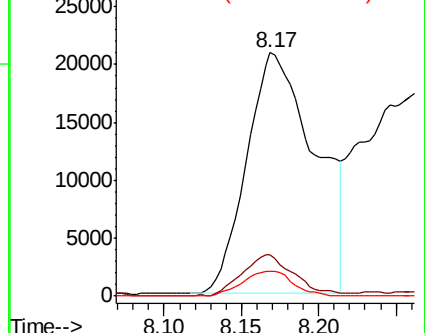
87 7.6 10.6 15.8#

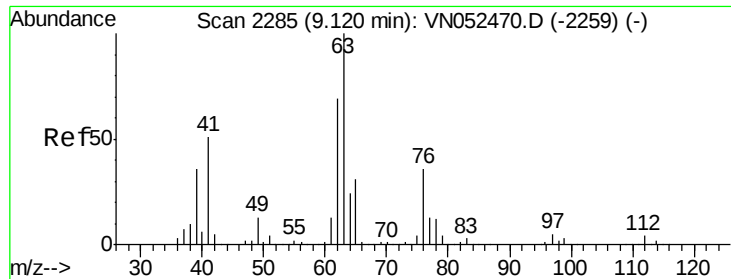


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

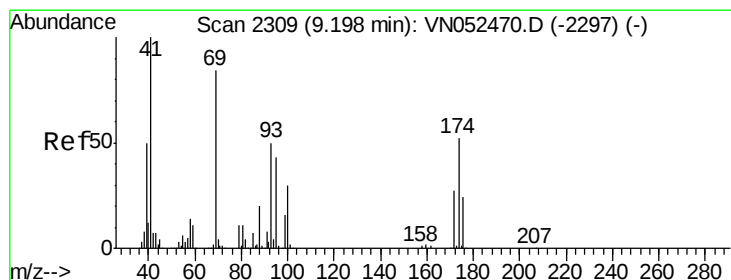
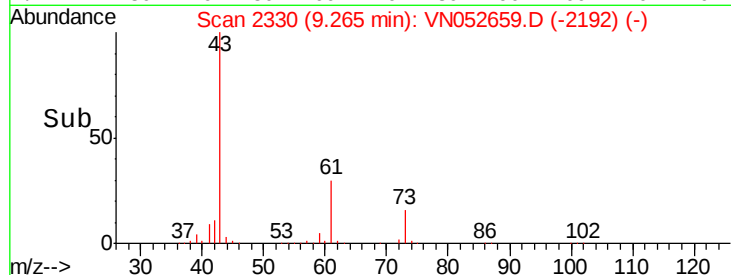
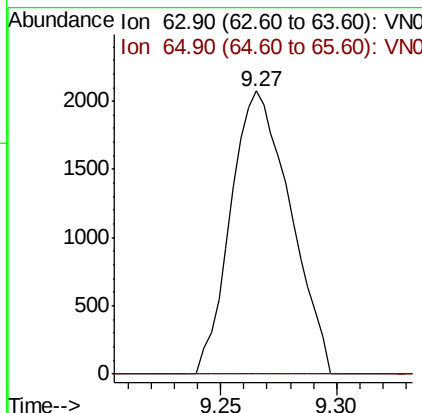
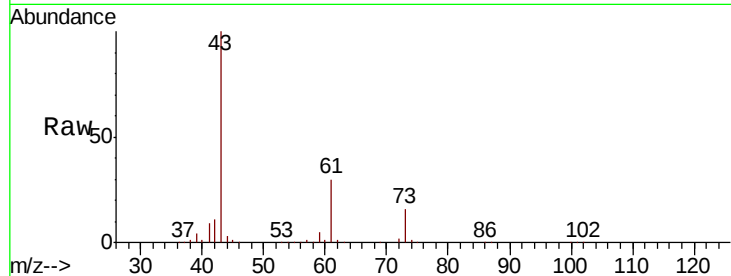




#45  
 1,2-Dichloropropane  
 Concen: 0.274 ug/l  
 RT: 9.27 min Scan# 2330  
 Delta R.T. 0.14 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

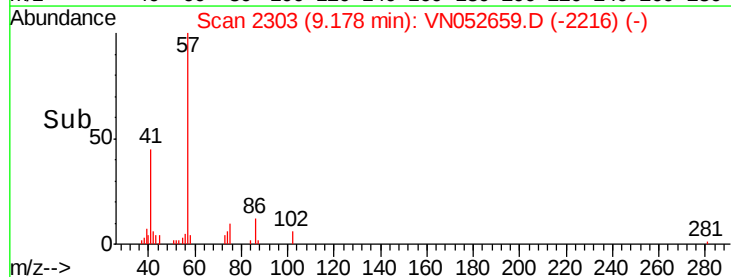
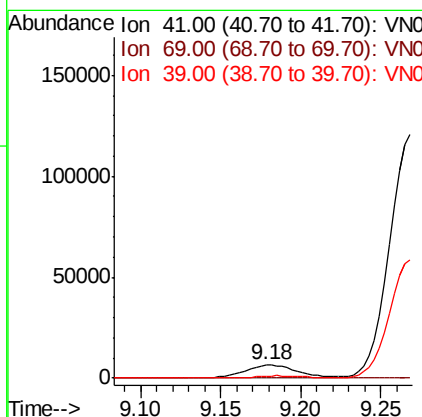
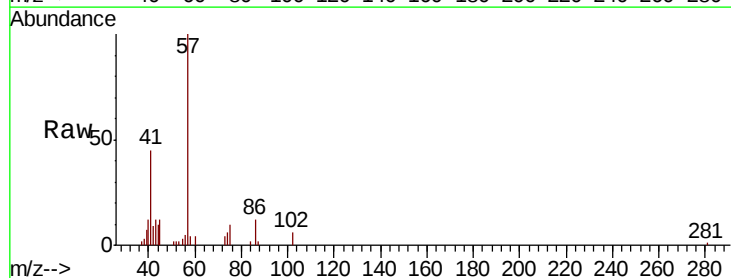
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RO-331

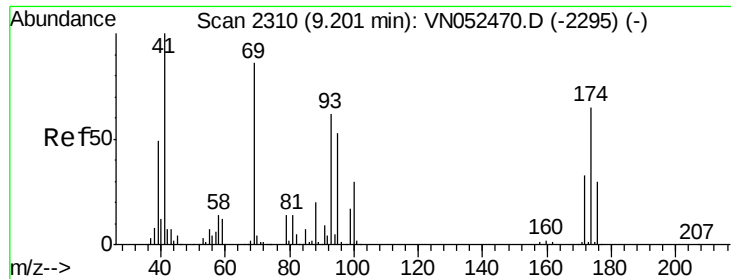
Tot Ion: 63 Resp: 3697  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.0 37.6#



#48  
 Methyl methacrylate  
 Concen: 1.621 ug/l  
 RT: 9.18 min Scan# 2303  
 Delta R.T. -0.02 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Tgt Ion: 41 Resp: 14849  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 70.0 105.0#  
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 2.157 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.07 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

RO-331

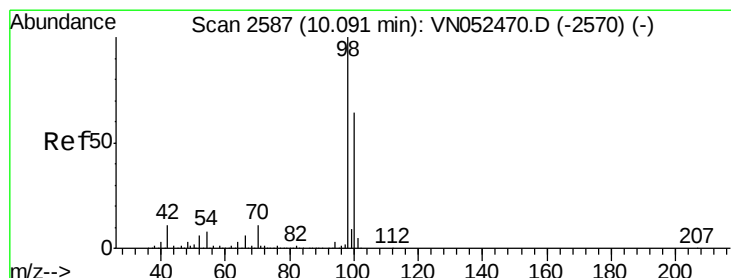
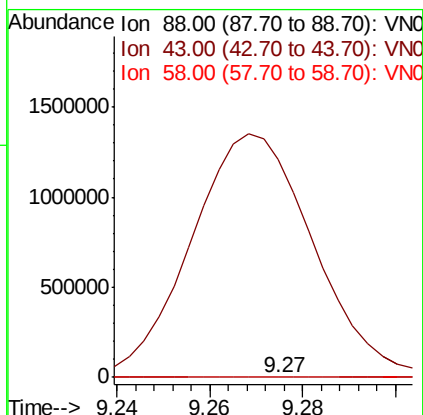
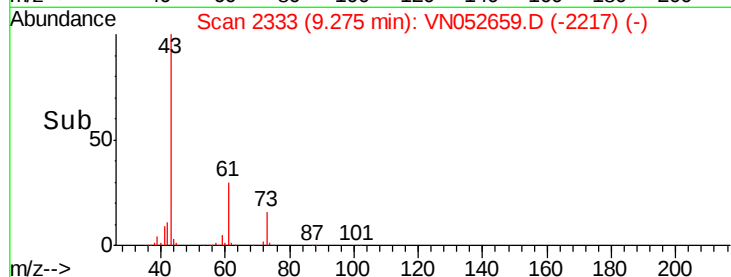
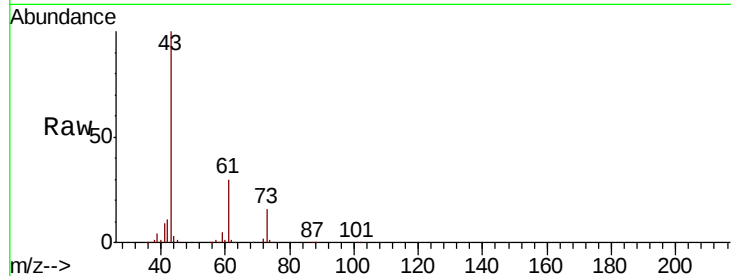
Tot Ion: 88 Resp: 205

Ion Ratio Lower Upper

88 100

43 1231507.8 26.4 39.6#

58 5763.9 55.4 83.0#



#50

Toluene-d8

Concen: 2.157 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052659.D

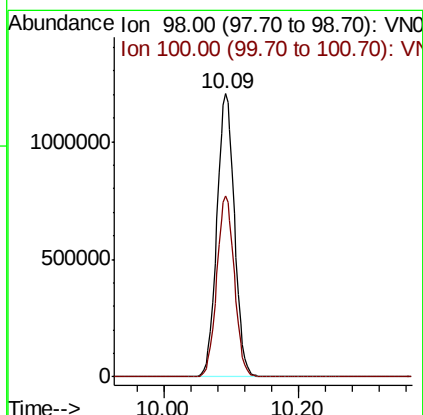
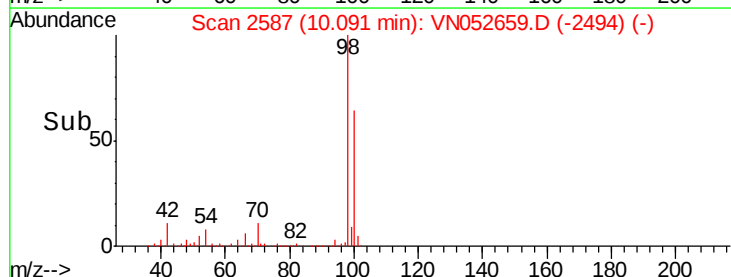
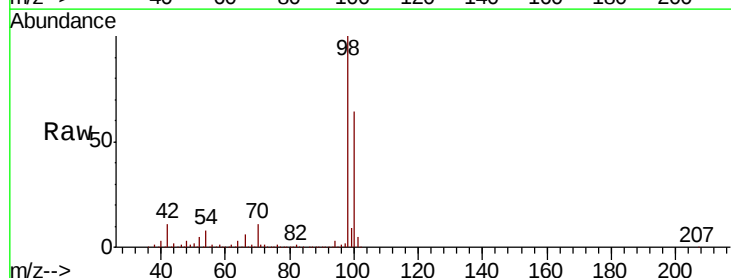
Acq: 4 Dec 2018 17:21

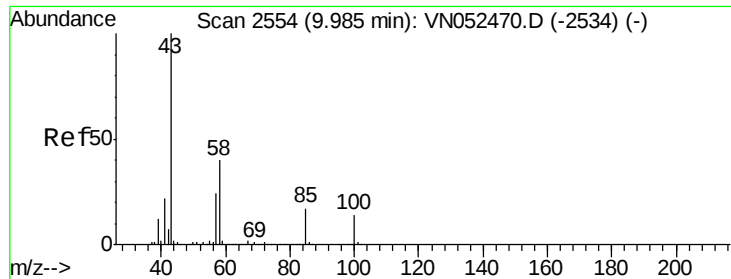
Tgt Ion: 98 Resp: 2197441

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 1.612 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

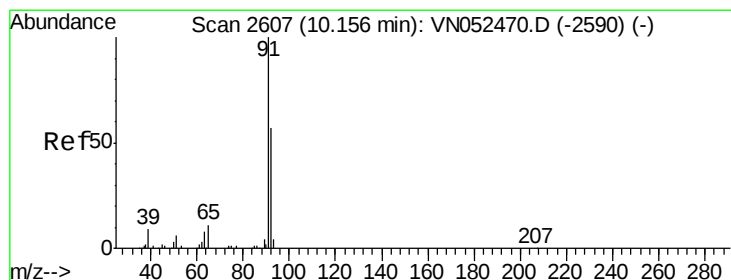
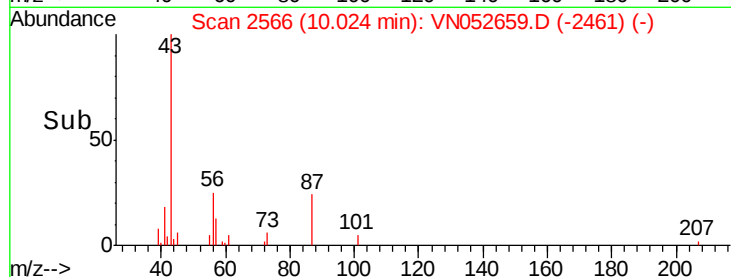
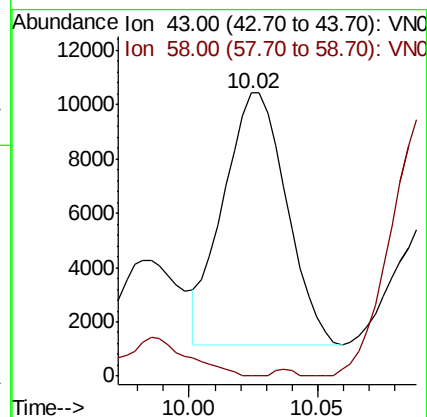
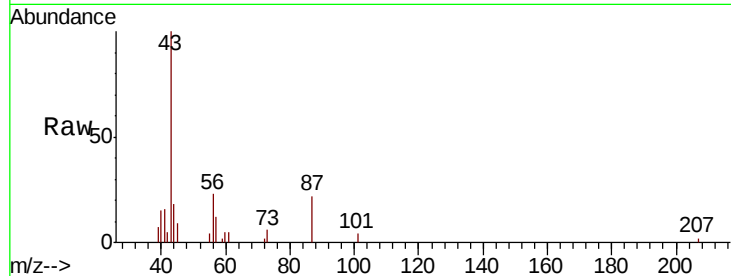
RO-331

Tot Ion: 43 Resp: 15888

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#52

Toluene

Concen: 0.210 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052659.D

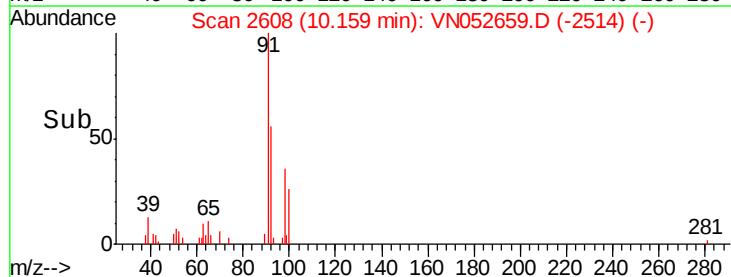
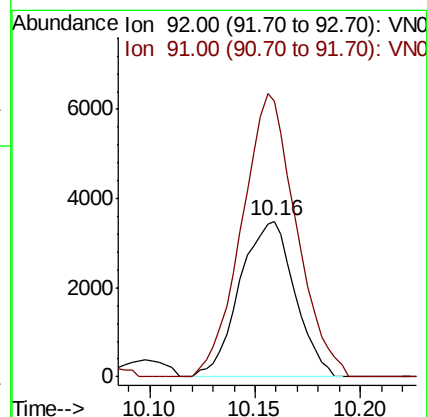
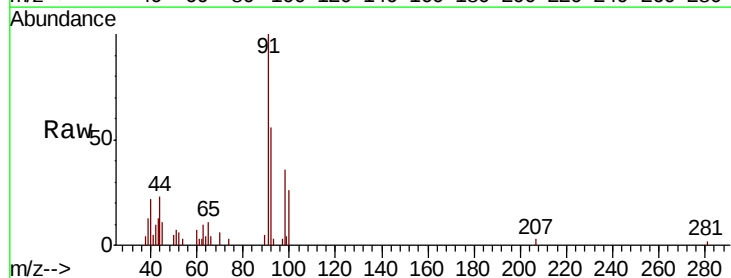
Acq: 4 Dec 2018 17:21

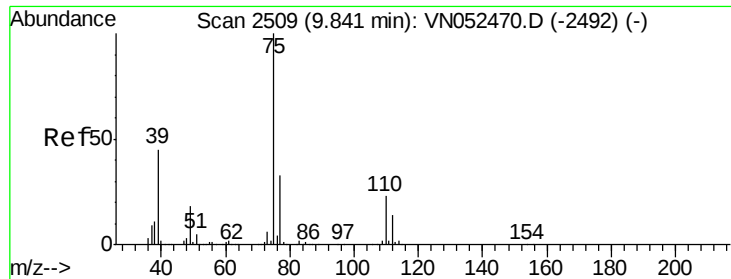
Tgt Ion: 92 Resp: 6317

Ion Ratio Lower Upper

92 100

91 180.8 141.0 211.4





#54

cis-1,3-Dichloropropene

Concen: 6.119 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

RO-331

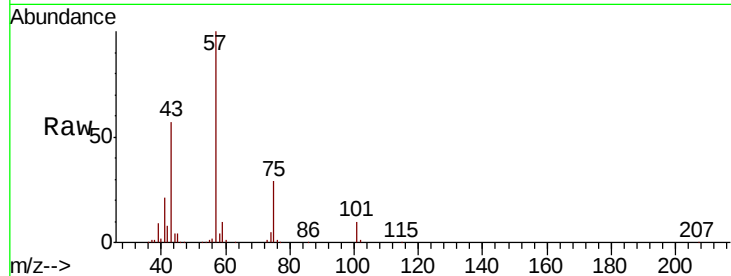
Tot Ion: 75 Resp: 114396

Ion Ratio Lower Upper

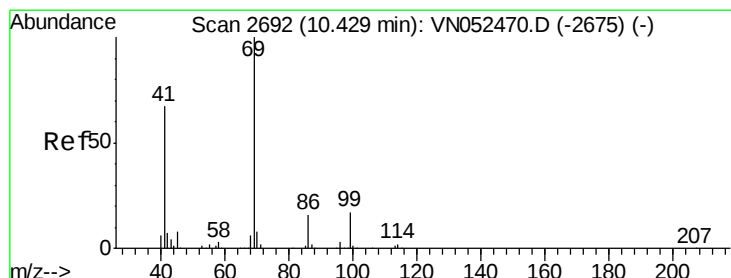
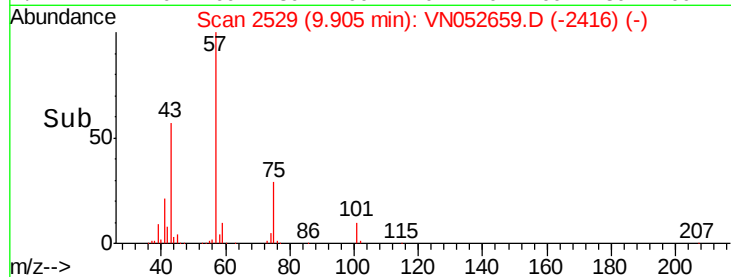
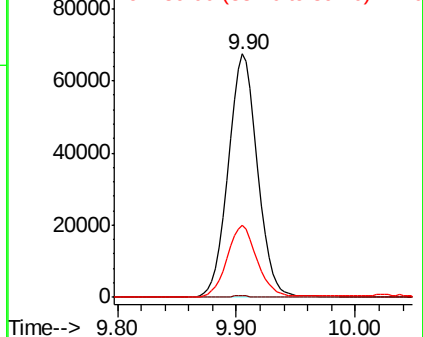
75 100

77 0.6 26.2 39.2#

39 29.2 36.0 54.0#



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



#56

Ethyl methacrylate

Concen: 2.799 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

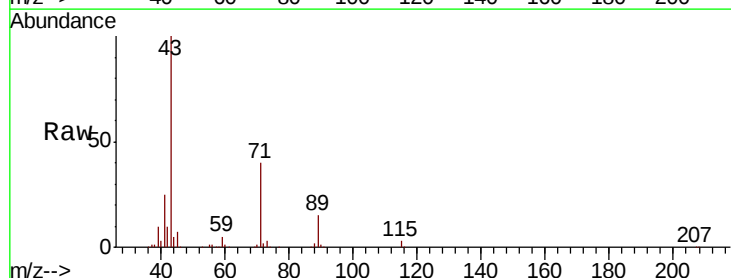
Tgt Ion: 69 Resp: 1646

Ion Ratio Lower Upper

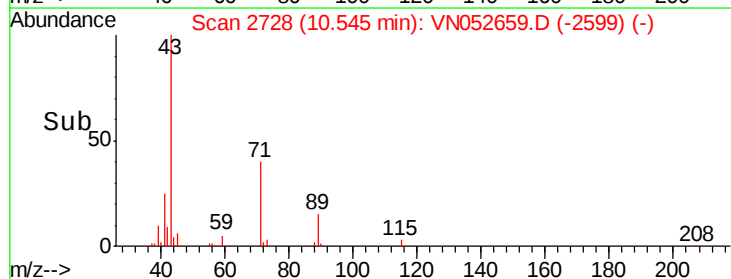
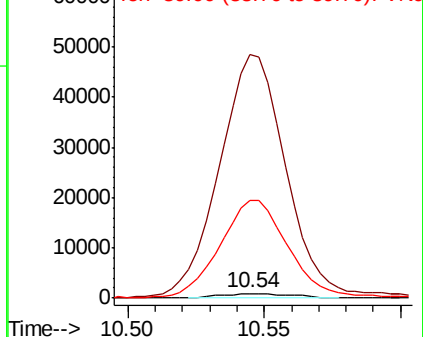
69 100

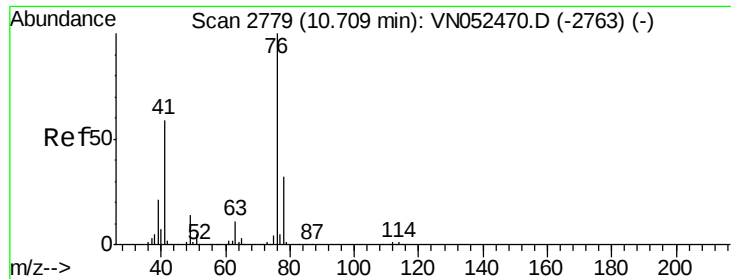
41 4980.2 52.6 79.0#

39 2073.7 25.9 38.9#



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

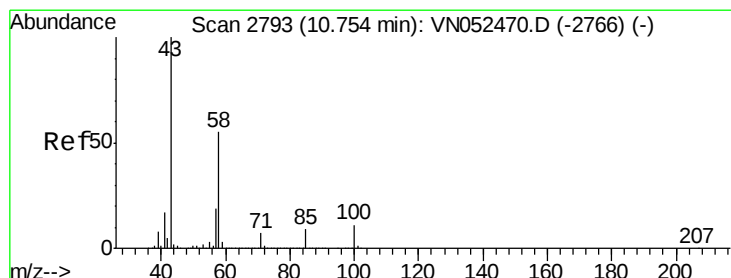
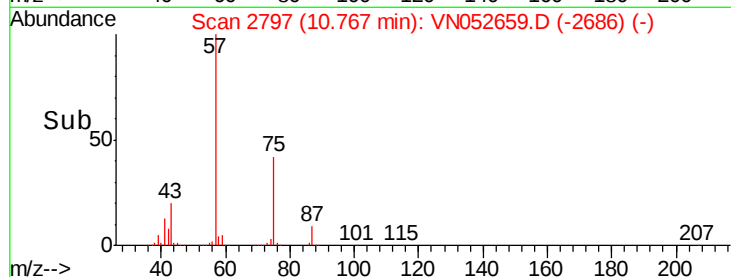
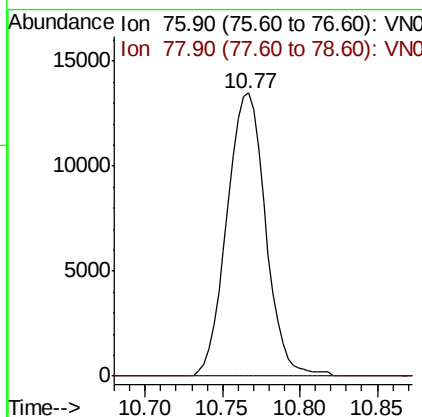
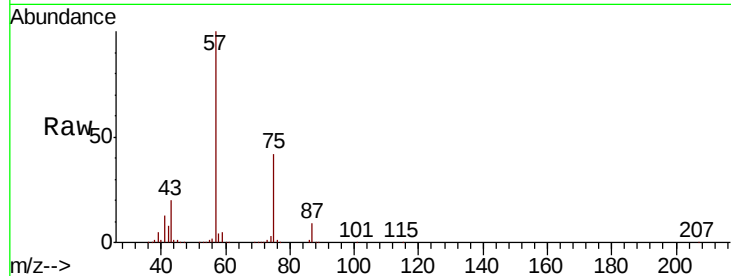




#57  
 1,3-Dichloropropane  
 Concen: 1.249 ug/l  
 RT: 10.77 min Scan# 2797  
 Delta R.T. 0.06 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

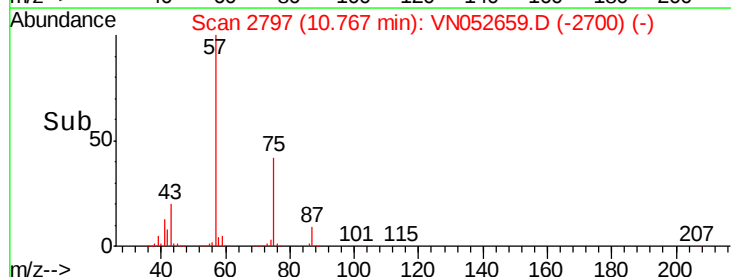
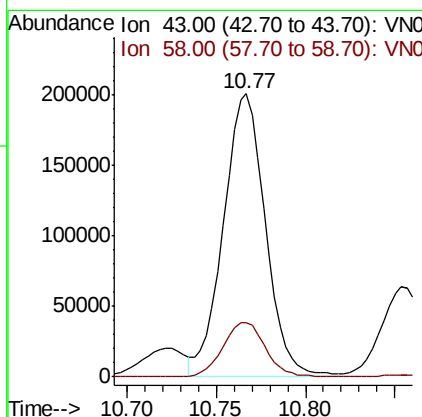
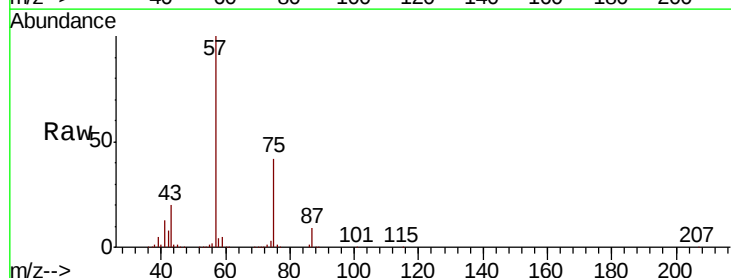
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 RO-331

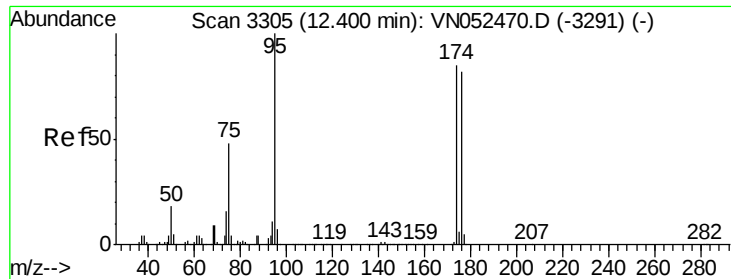
Tot Ion: 76 Resp: 23361  
 Ion Ratio Lower Upper  
 76 100  
 78 0.0 25.6 38.4#



#59  
 2-Hexanone  
 Concen: 49.515 ug/l  
 RT: 10.77 min Scan# 2797  
 Delta R.T. 0.01 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Tgt Ion: 43 Resp: 327477  
 Ion Ratio Lower Upper  
 43 100  
 58 19.8 27.4 82.0#

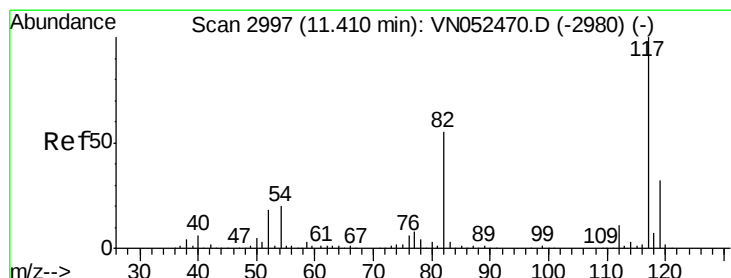
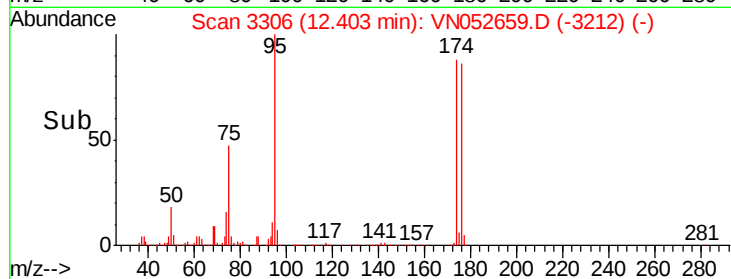
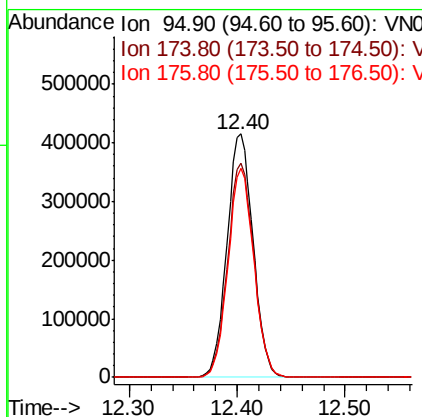
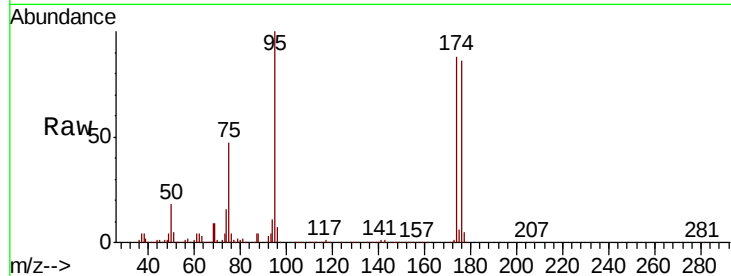




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052659.D  
Acq: 4 Dec 2018 17:21

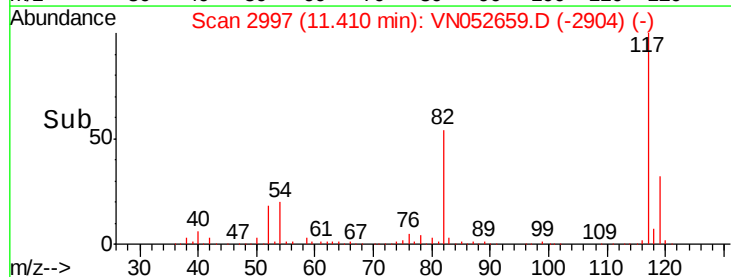
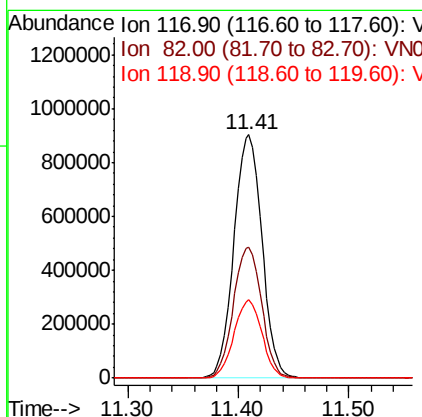
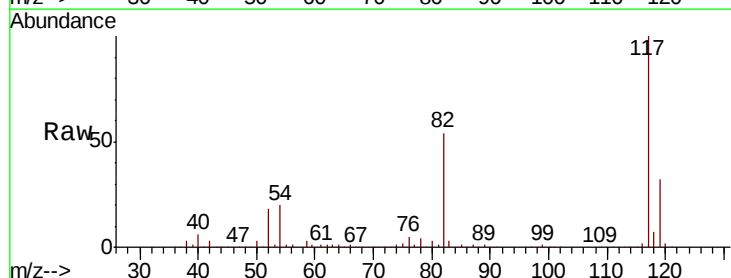
Instrument :  
MSVOA\_N  
ClientSampled :  
RO-331

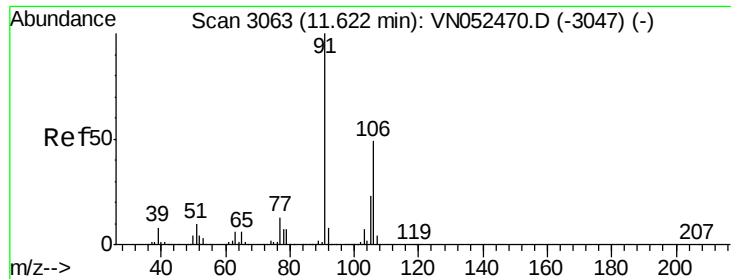
Tot Ion: 95 Resp: 697084  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 173.0  
176 84.8 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052659.D  
Acq: 4 Dec 2018 17:21

Tgt Ion: 117 Resp: 1593727  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.6 65.4  
119 32.0 25.4 38.2





#68

m/p-Xvlenes

Concen: 0.368 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

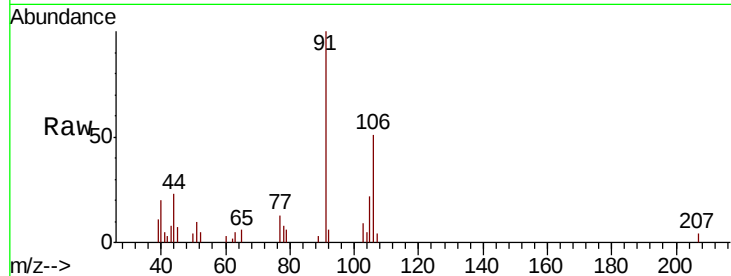
RO-331

Tot Ion:106 Resp: 7885

Ion Ratio Lower Upper

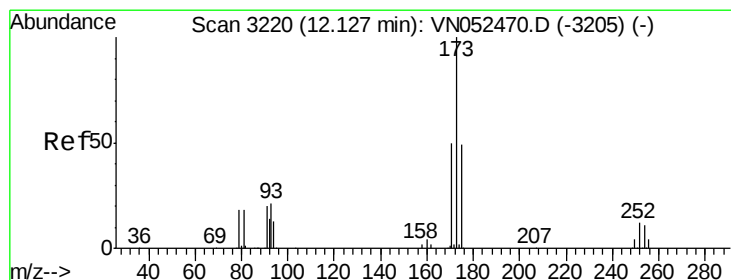
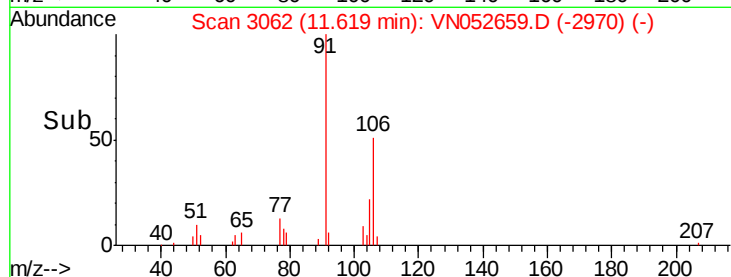
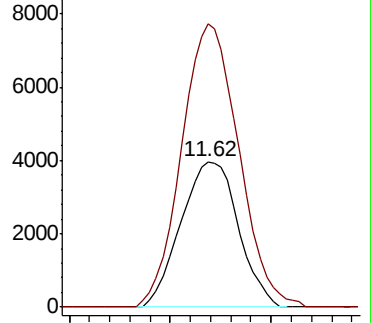
106 100

91 193.9 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.576 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

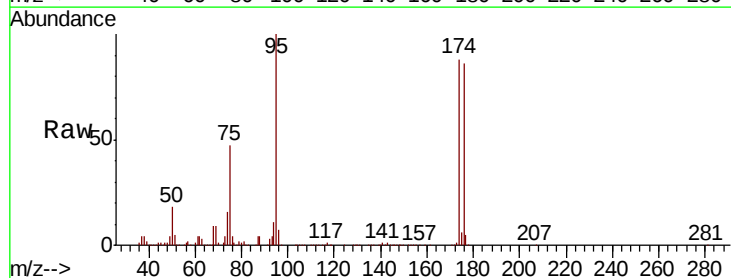
Tgt Ion:173 Resp: 4360

Ion Ratio Lower Upper

173 100

175 866.2 24.4 73.2#

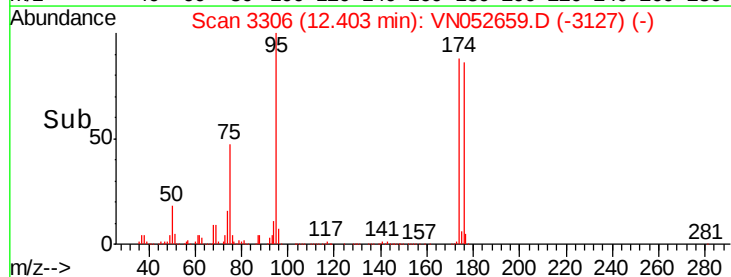
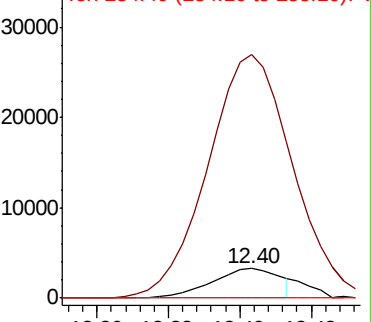
254 0.0 0.1 0.1#

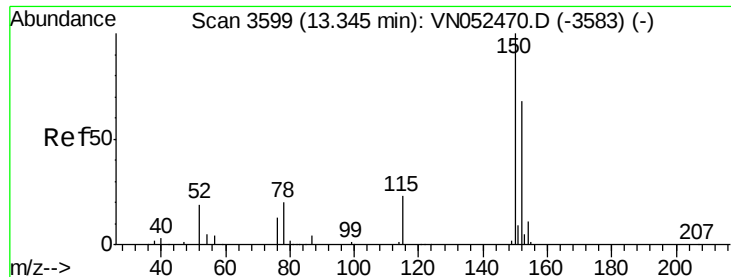


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

RO-331

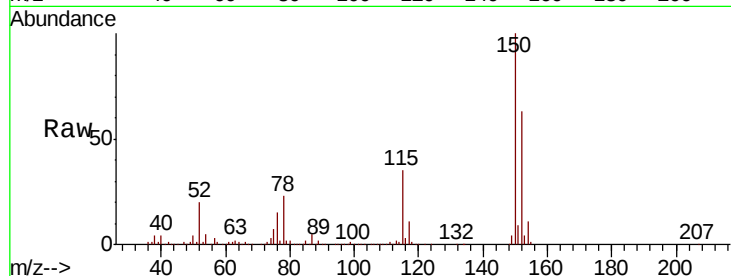
Tot Ion:152 Resp: 603802

Ion Ratio Lower Upper

152 100

115 56.3 28.4 85.2

150 158.5 0.0 346.0

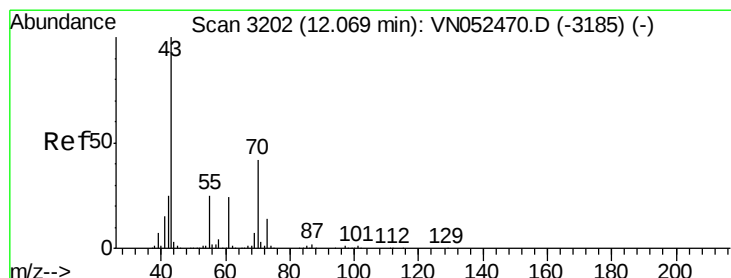
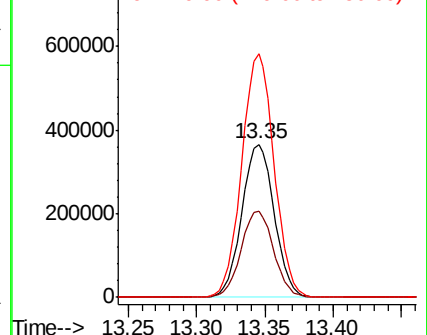
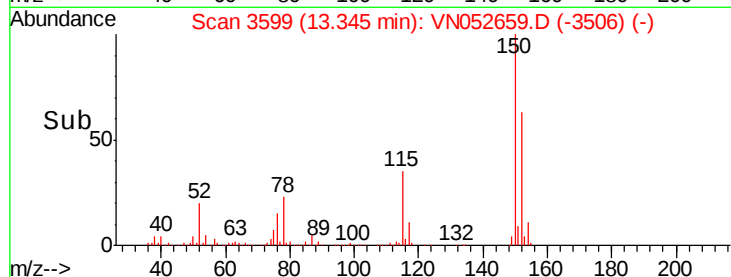


Abundance

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



#74

N-ethyl acetate

Concen: 2.870 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Tgt Ion: 43 Resp: 34349

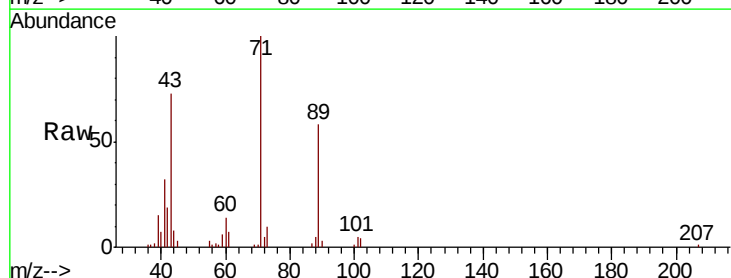
Ion Ratio Lower Upper

43 100

70 2.1 33.8 50.8#

55 2.5 20.0 30.0#

61 11.4 19.7 29.5#



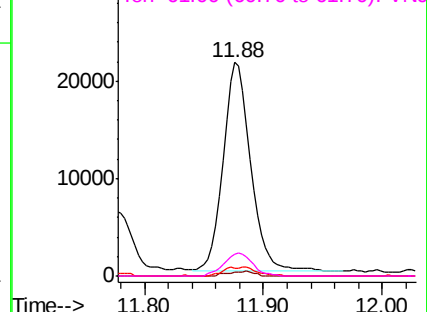
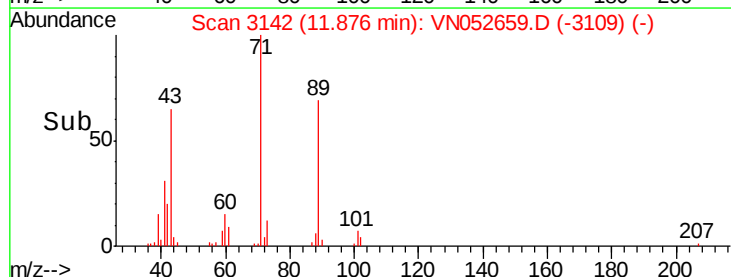
Abundance

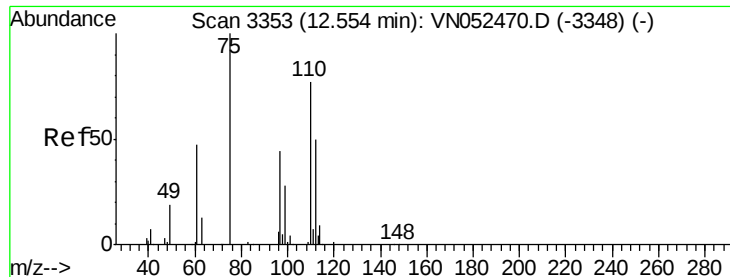
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.563 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampleId :

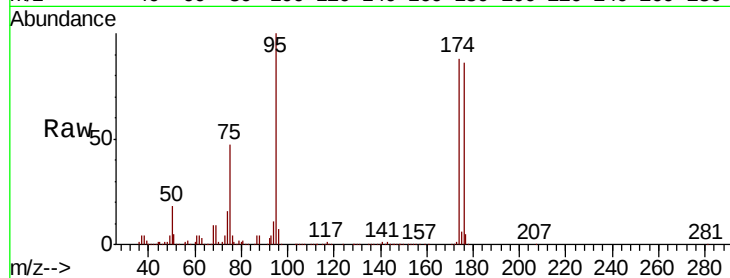
RO-331

Tot Ion: 75 Resp: 331122

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)

12.40

200000

150000

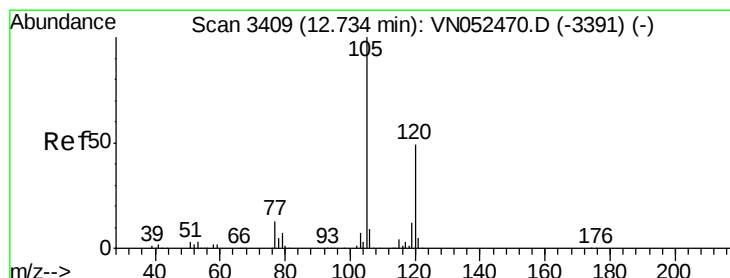
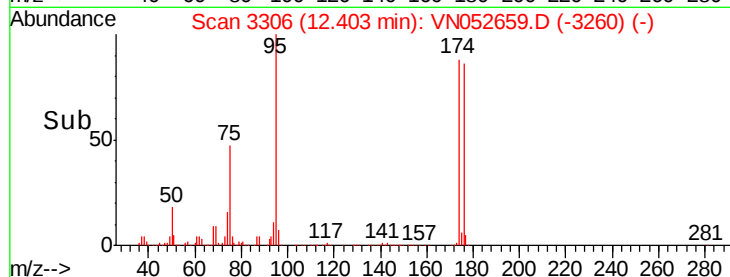
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.379 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052659.D

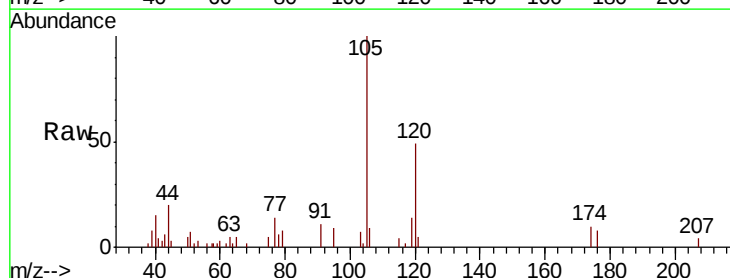
Acq: 4 Dec 2018 17:21

Tgt Ion: 105 Resp: 14301

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

12.73

10000

8000

6000

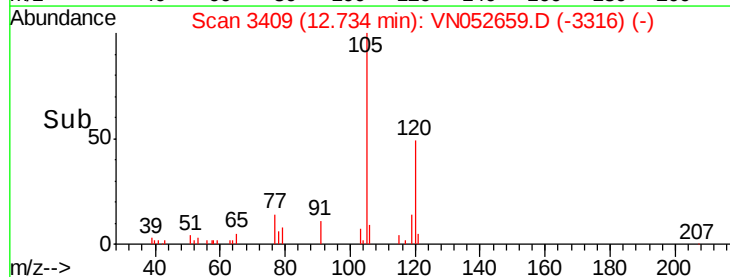
4000

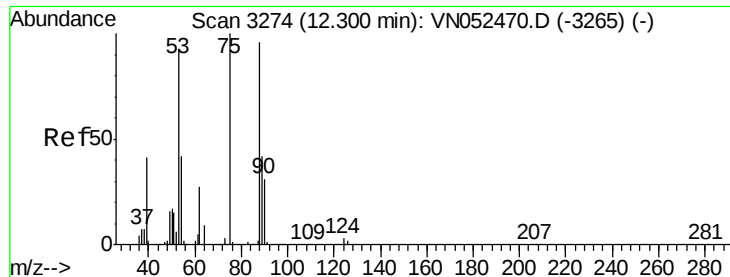
2000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 118.762 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052659.D

Acq: 4 Dec 2018 17:21

Instrument :

MSVOA\_N

ClientSampled :

RO-331

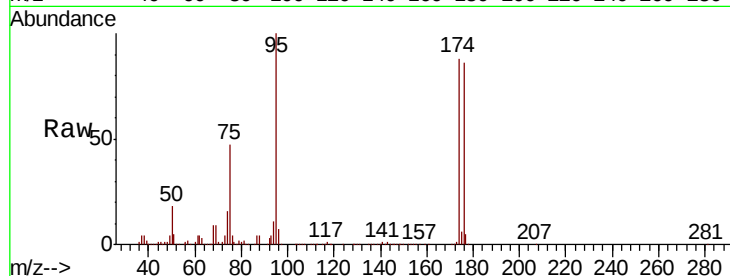
Tot Ion: 75 Resp: 331122

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)

12.40

200000

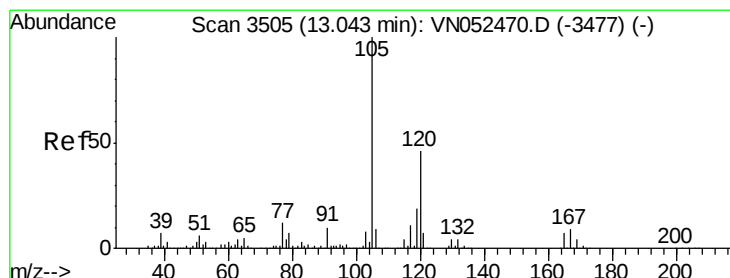
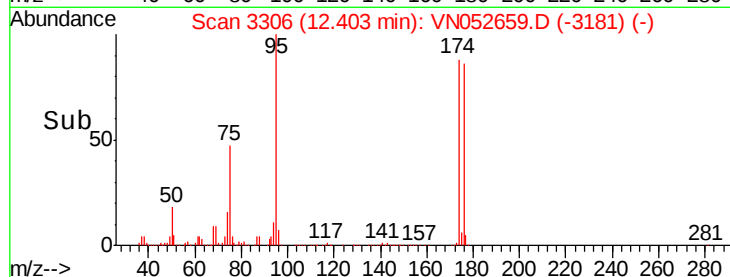
150000

100000

50000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.374 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052659.D

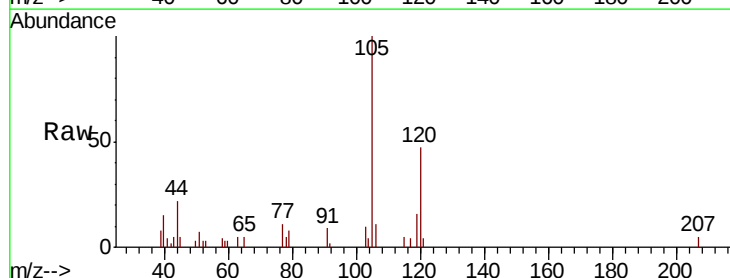
Acq: 4 Dec 2018 17:21

Tgt Ion: 105 Resp: 14159

Ion Ratio Lower Upper

105 100

120 46.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3477) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3477) (-)

10000

8000

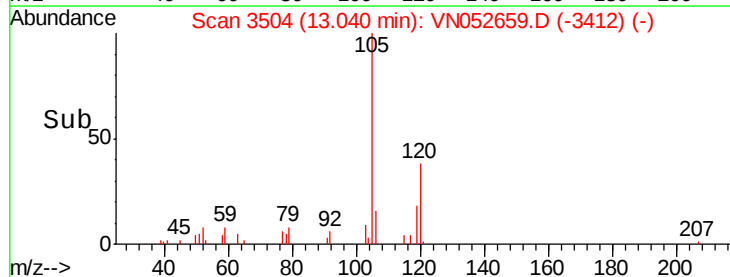
6000

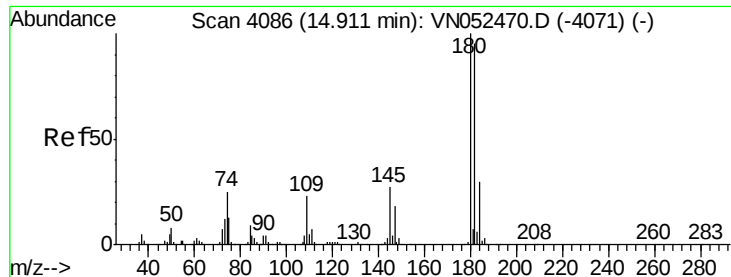
4000

2000

0

Time-->

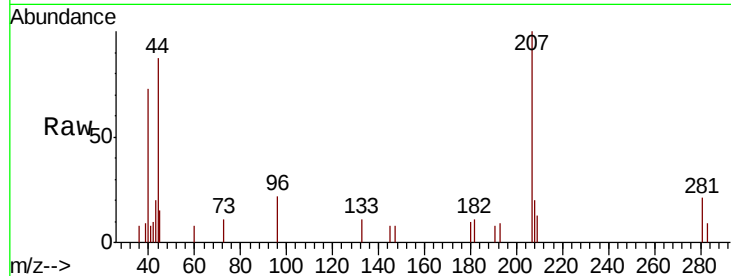




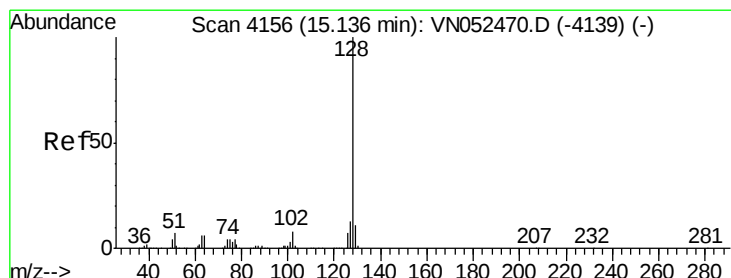
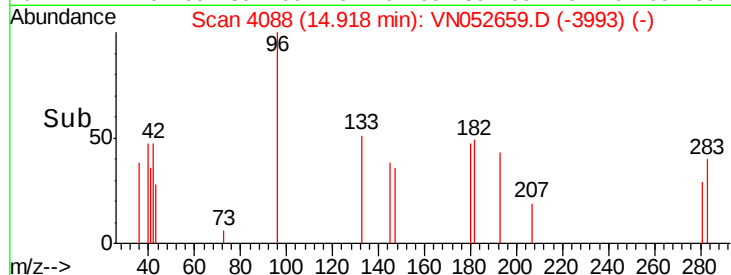
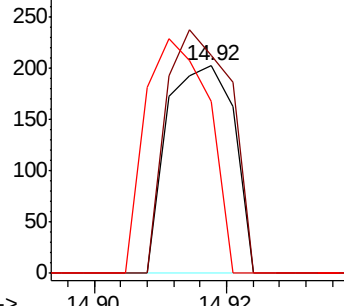
#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.842 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.01 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 RO-331

Tot Ion:180 Resp: 141  
 Ion Ratio Lower Upper  
 180 100  
 182 113.5 47.8 143.4  
 145 107.1 14.1 42.3#

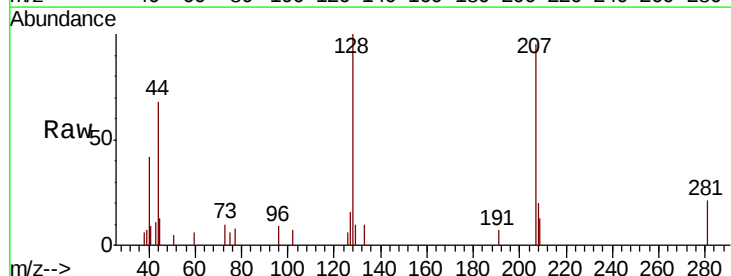


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

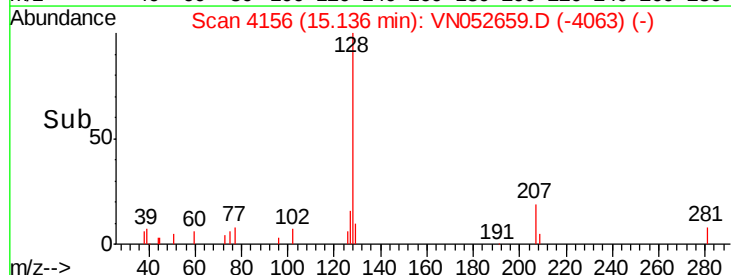
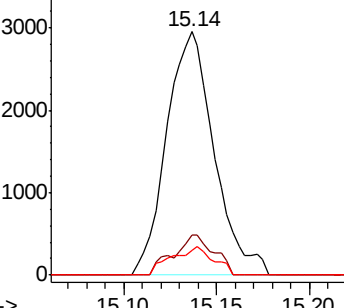


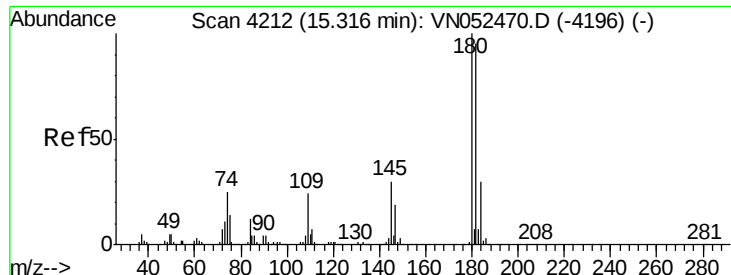
#95  
 Naphthalene  
 Concen: 3.644 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.00 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Tgt Ion:128 Resp: 5271  
 Ion Ratio Lower Upper  
 128 100  
 127 14.1 10.2 15.2  
 129 10.3 8.7 13.1



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

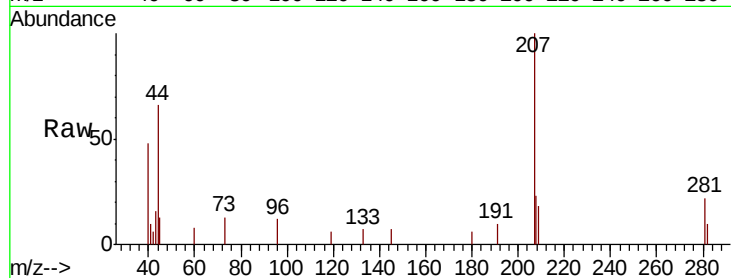




#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.730 ug/l  
 RT: 15.32 min Scan# 4213  
 Delta R.T. 0.00 min  
 Lab File: VN052659.D  
 Acq: 4 Dec 2018 17:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RO-331

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.5  | 47.8  | 143.3 |
| 145     | 225.8 | 15.2  | 45.5  |



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

