

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\  
 Data File : VN050287.D  
 Acq On : 3 Aug 2018 1:43  
 Operator : MD\SY  
 Sample : J4285-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 KG-PIT-4

Quant Time: Aug 03 04:42:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

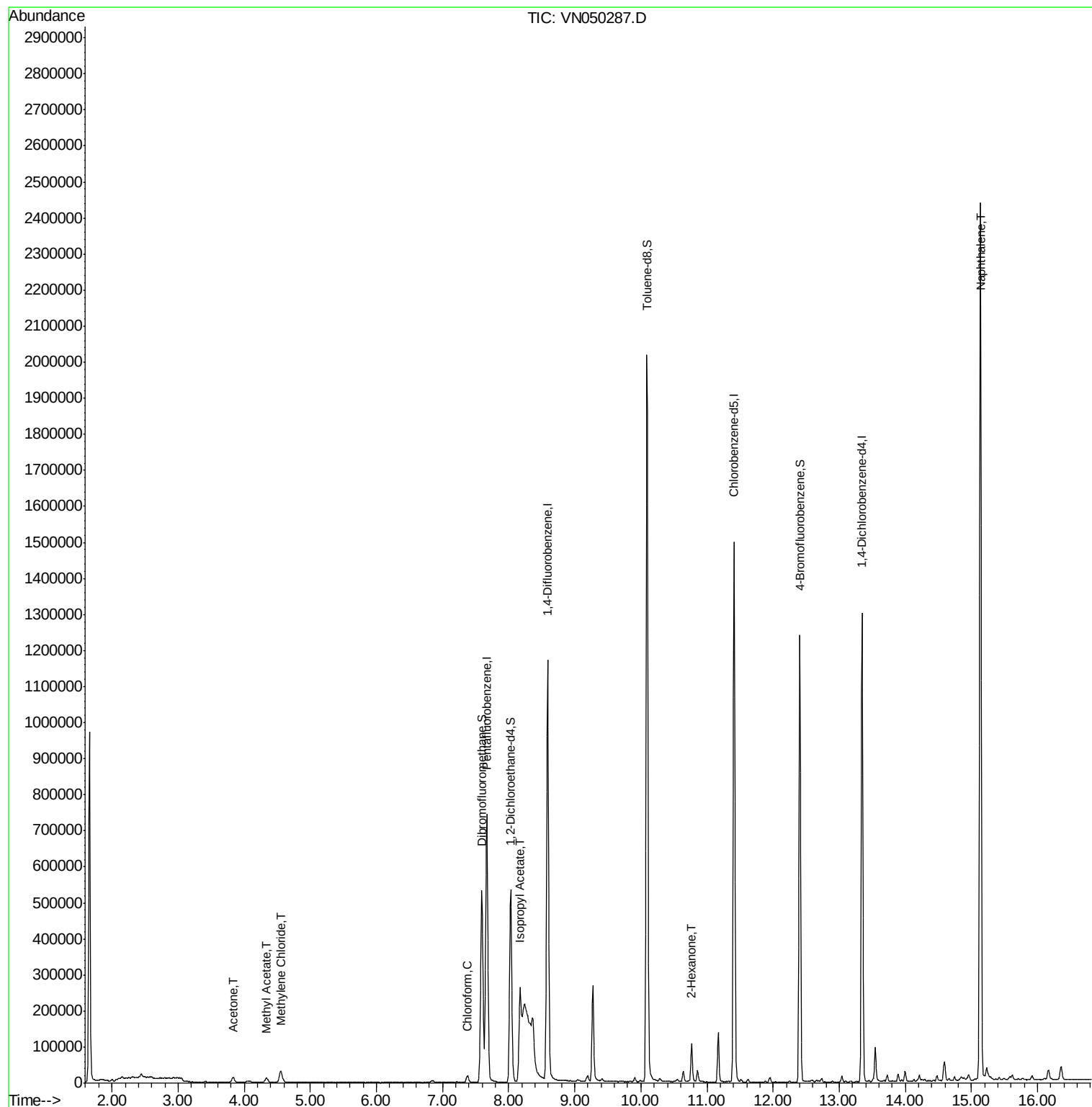
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 632611   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1071646  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 902868   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 364352   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 458774   | 51.98   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.96% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 411955   | 47.08   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.16%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1444955  | 44.92   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 89.84%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 406212   | 38.35   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 76.70%  |          |
| Target Compounds            |       |      |          |         |         |          |
|                             |       |      |          |         | Qvalue  |          |
| 16) Acetone                 | 3.83  | 43   | 26722    | 8.661   | ug/l    | 99       |
| 18) Methyl Acetate          | 4.33  | 43   | 26056    | 1.646   | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 25354    | 2.037   | ug/l    | 95       |
| 30) Chloroform              | 7.38  | 83   | 21255    | 1.421   | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 331679   | 20.231  | ug/l #  | 91       |
| 59) 2-Hexanone              | 10.77 | 43   | 16786    | 7.878   | ug/l    | 63       |
| 95) Naphthalene             | 15.14 | 128  | 2051498  | 116.818 | ug/l    | 100      |

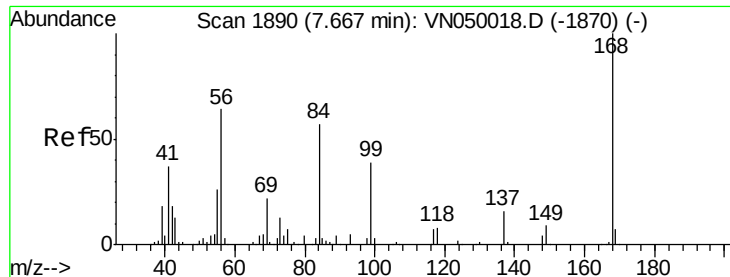
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

Instrument :

MSVOA\_N

ClientSampled :

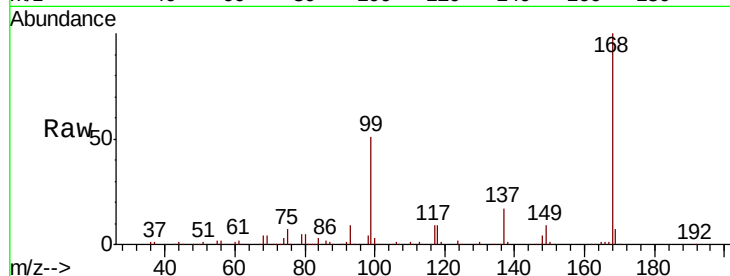
KG-PIT-4

Tot Ion:168 Resp: 632611

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

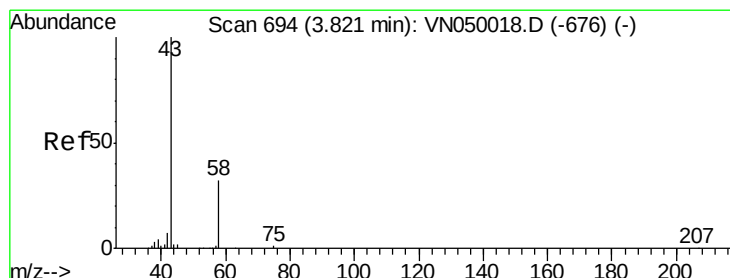
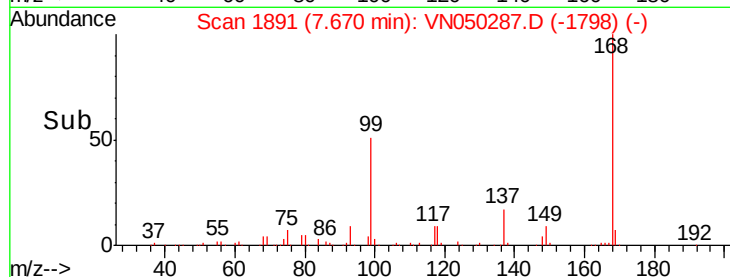
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.661 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050287.D

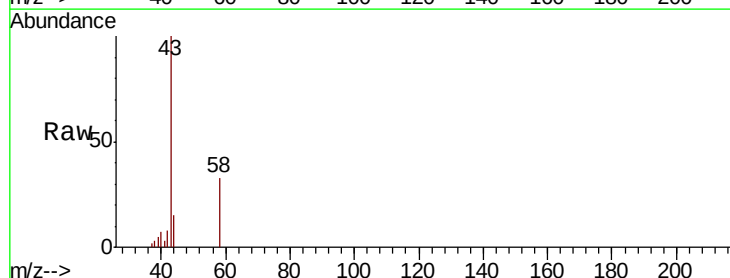
Acq: 3 Aug 2018 1:43

Tgt Ion: 43 Resp: 26722

Ion Ratio Lower Upper

43 100

58 32.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.83

10000

8000

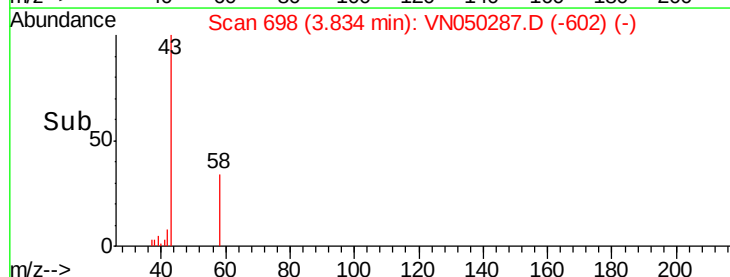
6000

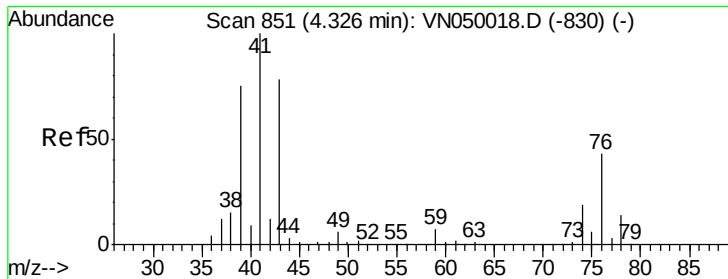
4000

2000

0

Time-->

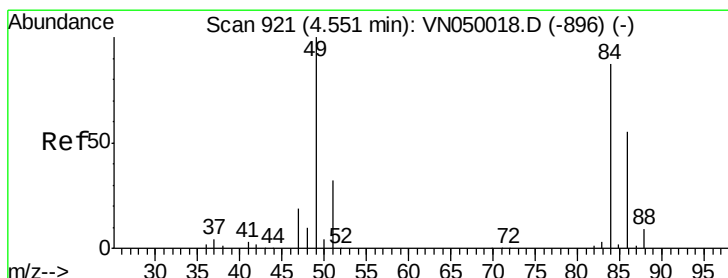
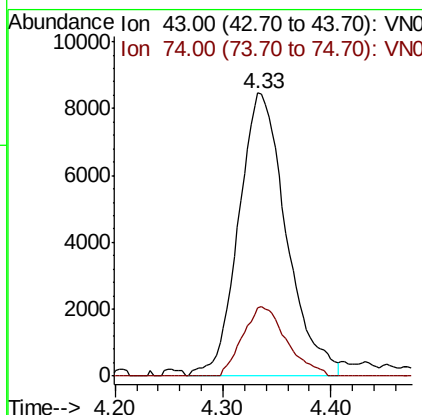
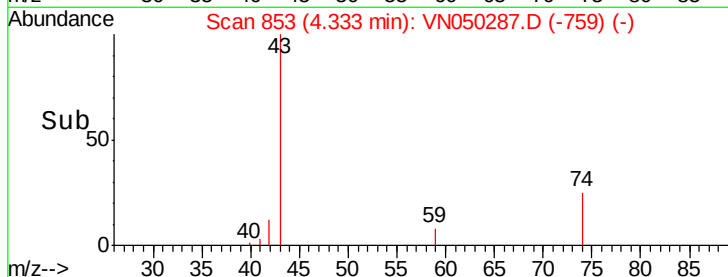
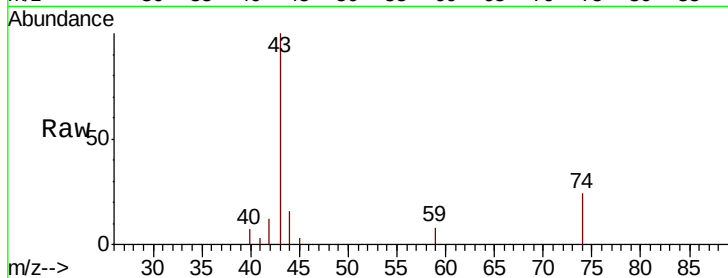




#18  
Methyl Acetate  
Concen: 1.646 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050287.D  
Acq: 3 Aug 2018 1:43

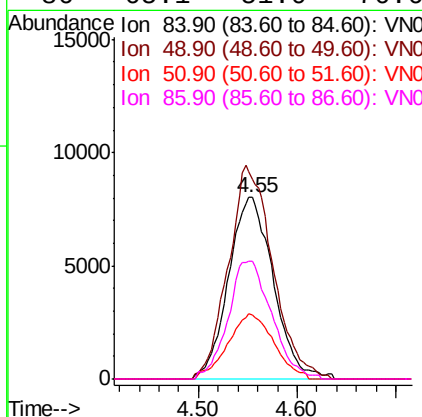
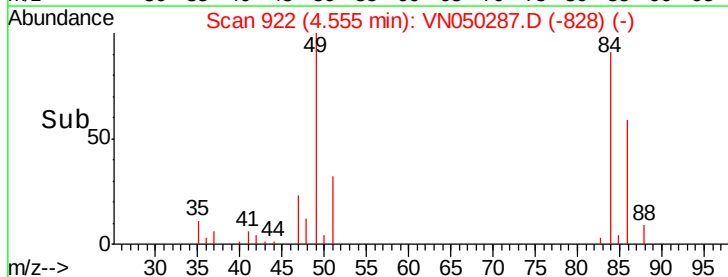
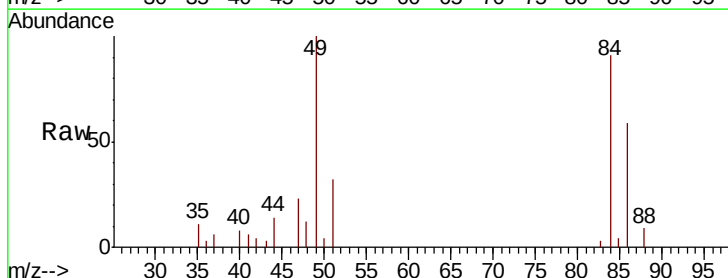
Instrument :  
MSVOA\_N  
ClientSampled :  
KG-PIT-4

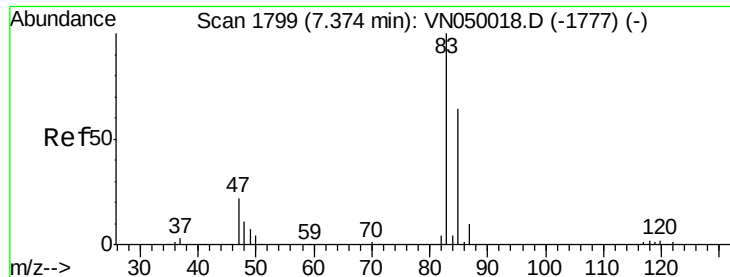
Tot Ion: 43 Resp: 26056  
Ion Ratio Lower Upper  
43 100  
74 22.6 19.2 28.8



#20  
Methylene Chloride  
Concen: 2.037 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050287.D  
Acq: 3 Aug 2018 1:43

Tgt Ion: 84 Resp: 25354  
Ion Ratio Lower Upper  
84 100  
49 110.1 94.8 142.2  
51 35.2 28.3 42.5  
86 65.1 51.0 76.6





#30

Chloroform

Concen: 1.421 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

Instrument :

MSVOA\_N

ClientSampleId :

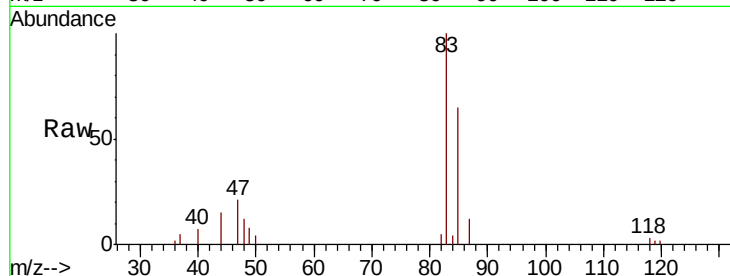
KG-PIT-4

Tot Ion: 83 Resp: 21255

Ion Ratio Lower Upper

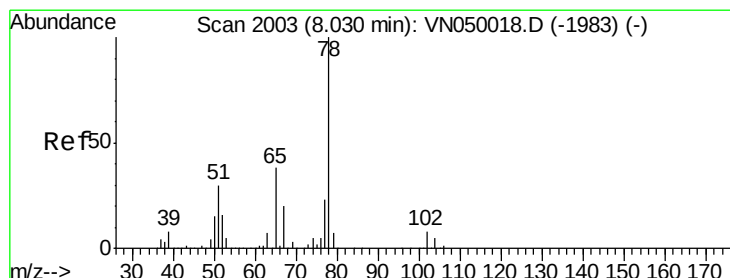
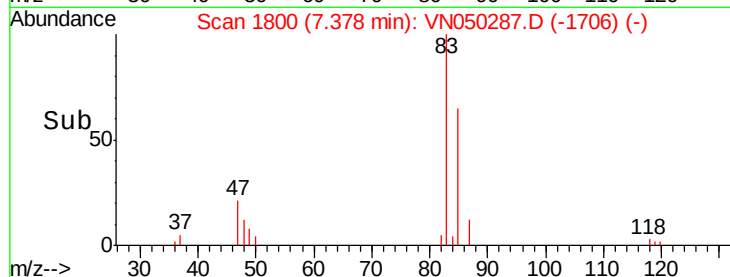
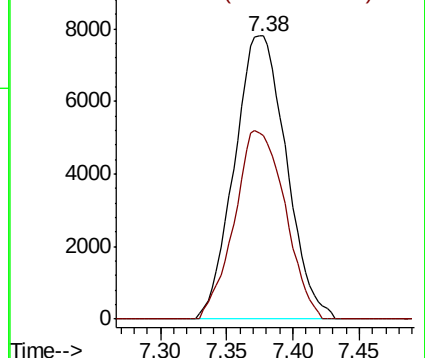
83 100

85 64.9 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.978 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050287.D

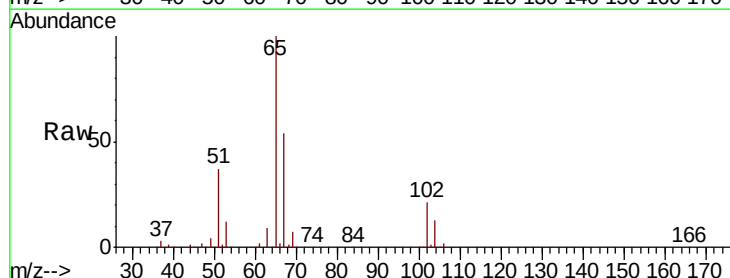
Acq: 3 Aug 2018 1:43

Tgt Ion: 65 Resp: 458774

Ion Ratio Lower Upper

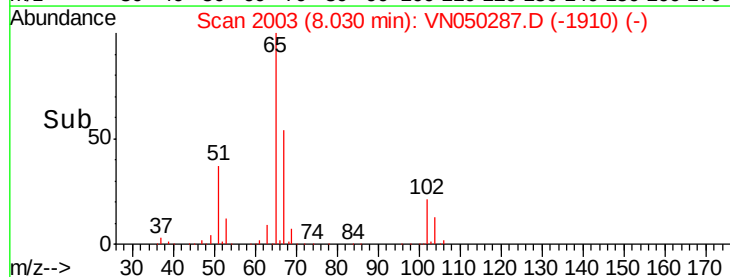
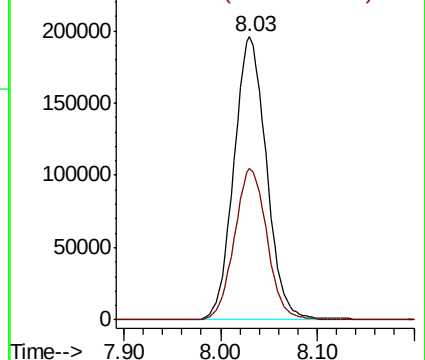
65 100

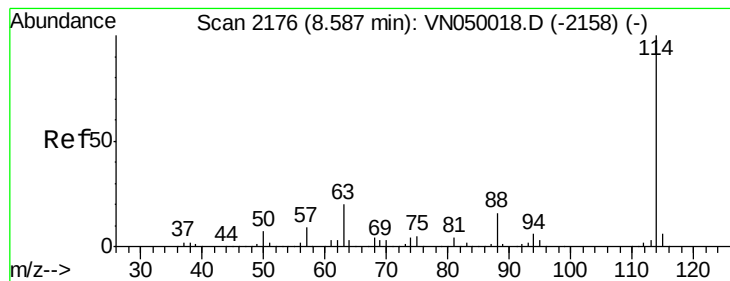
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

Instrument :

MSVOA\_N

ClientSampleId :

KG-PIT-4

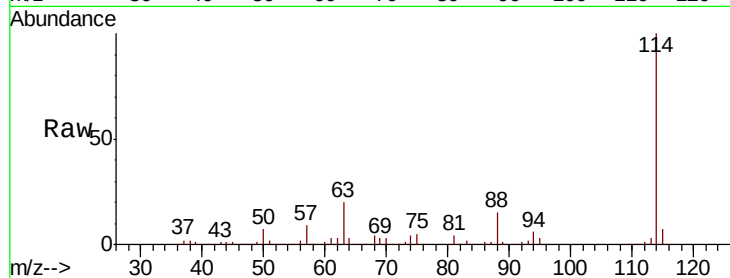
Tot Ion:114 Resp: 1071646

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

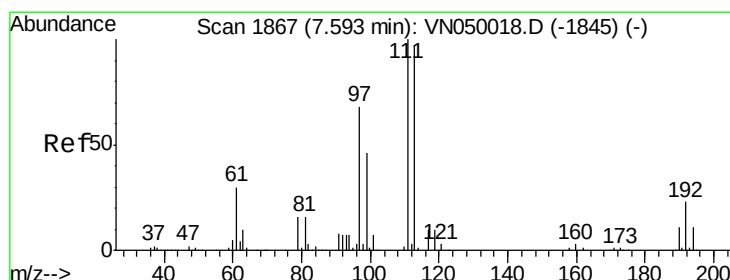
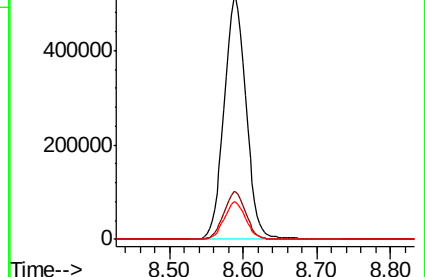
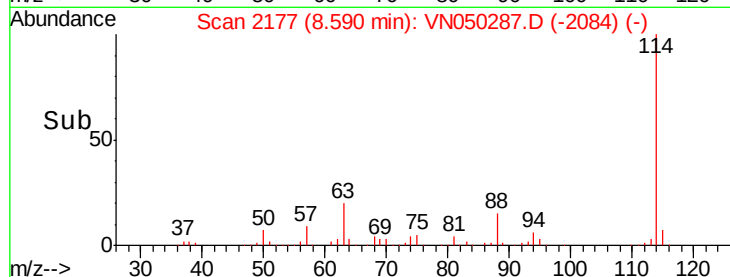
88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.082 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

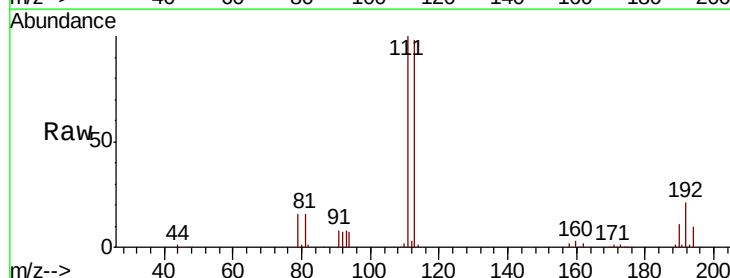
Tgt Ion:113 Resp: 411955

Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

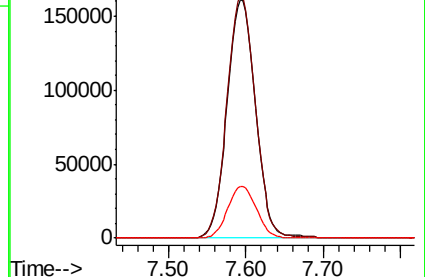
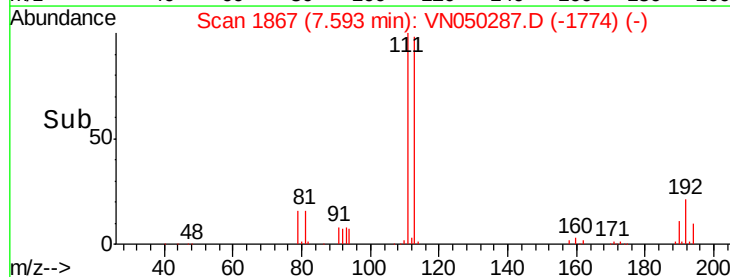
192 21.9 17.8 26.6

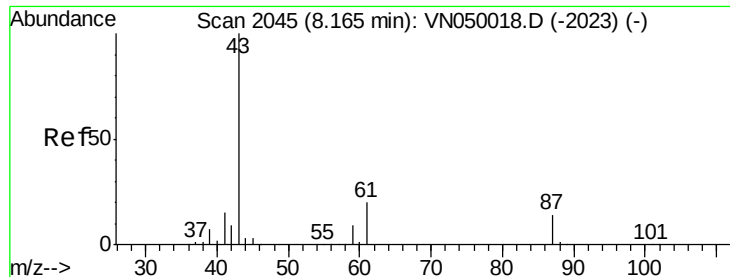


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 20.231 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

Instrument :

MSVOA\_N

ClientSampled :

KG-PIT-4

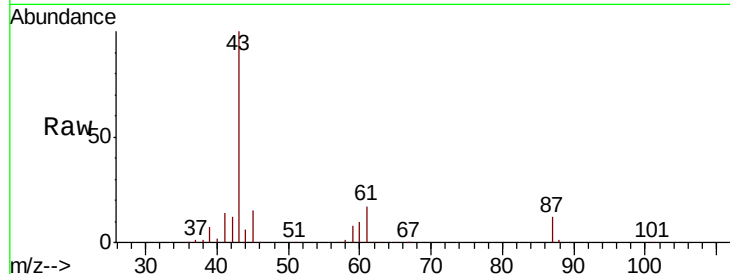
Tot Ion: 43 Resp: 331679

Ion Ratio Lower Upper

43 100

61 15.1 15.8 23.6#

87 10.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

150000

100000

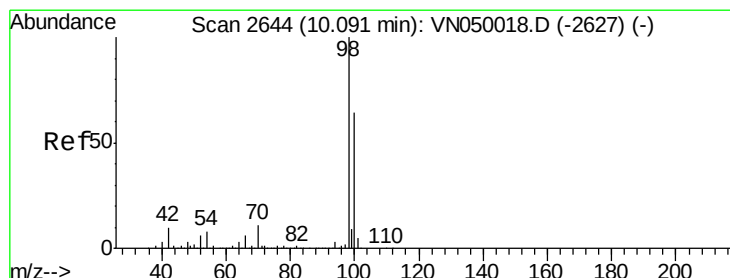
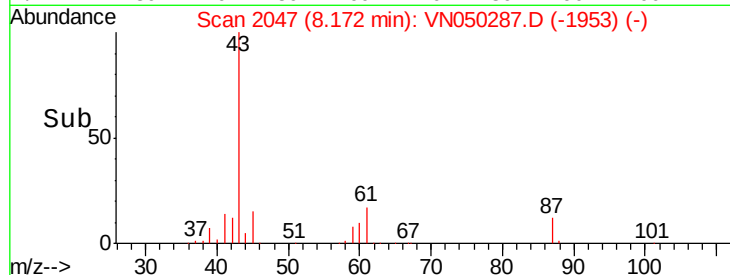
50000

0

8.17

8.05 8.10 8.15 8.20

Time-->



#50

Toluene-d8

Concen: 44.920 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050287.D

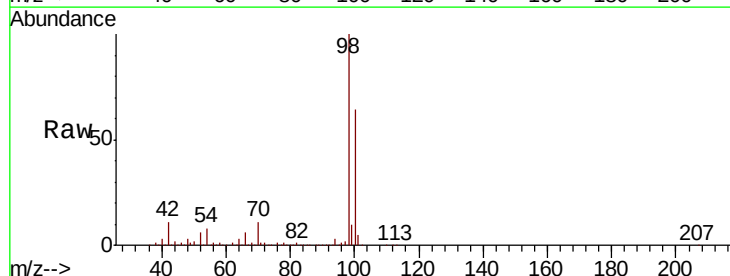
Acq: 3 Aug 2018 1:43

Tgt Ion: 98 Resp: 1444955

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

800000

600000

400000

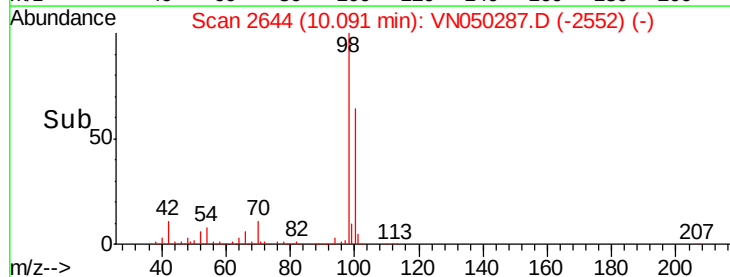
200000

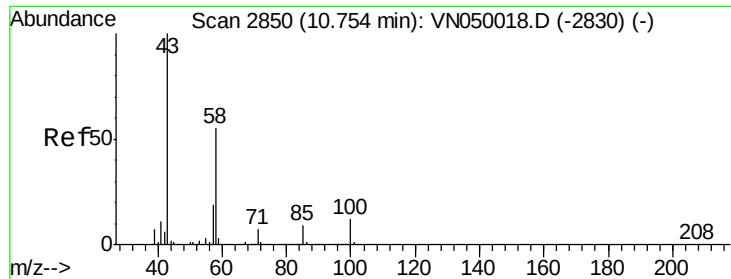
0

10.09

10.00 10.10 10.20 10.30

Time-->





#59

2-Hexanone

Concen: 7.878 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

Instrument :

MSVOA\_N

ClientSampled :

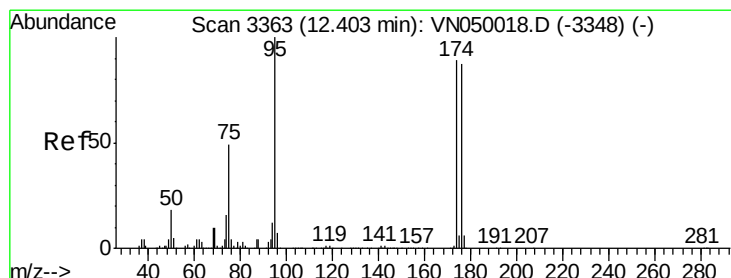
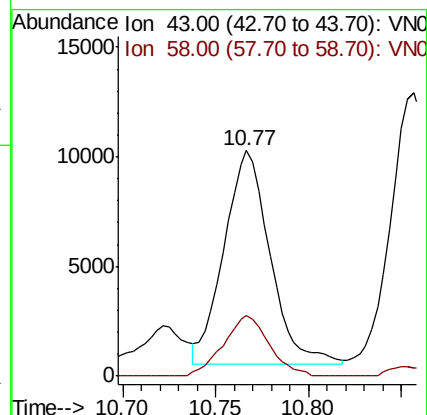
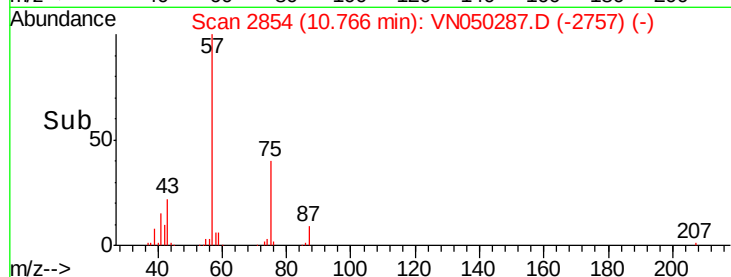
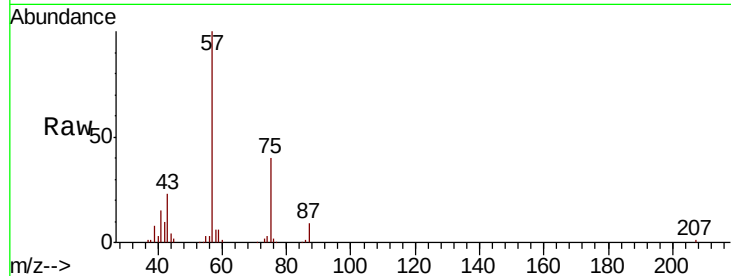
KG-PIT-4

Tot Ion: 43 Resp: 16786

Ion Ratio Lower Upper

43 100

58 28.1 27.6 82.7



#62

4-Bromofluorobenzene

Concen: 38.351 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050287.D

Acq: 3 Aug 2018 1:43

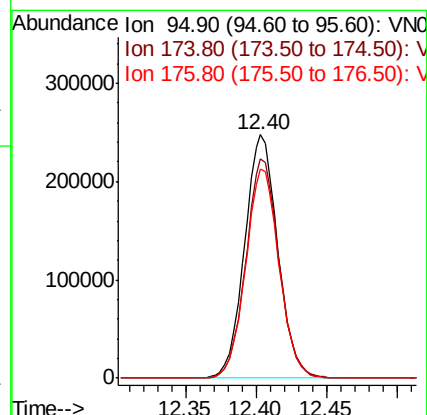
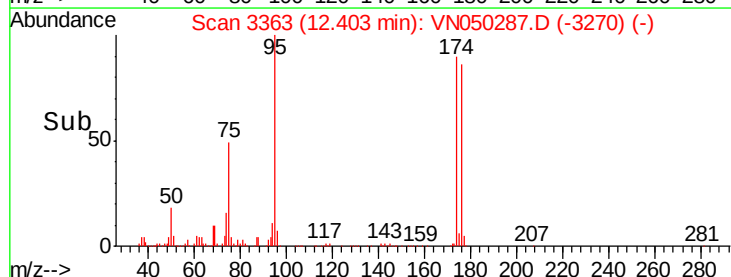
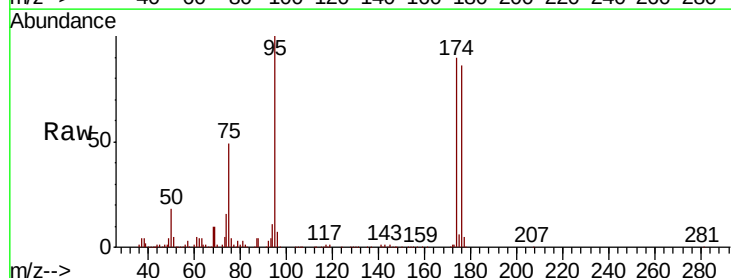
Tgt Ion: 95 Resp: 406212

Ion Ratio Lower Upper

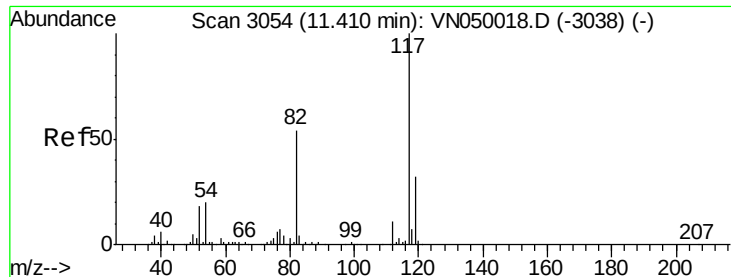
95 100

174 90.6 0.0 178.2

176 86.9 0.0 173.4



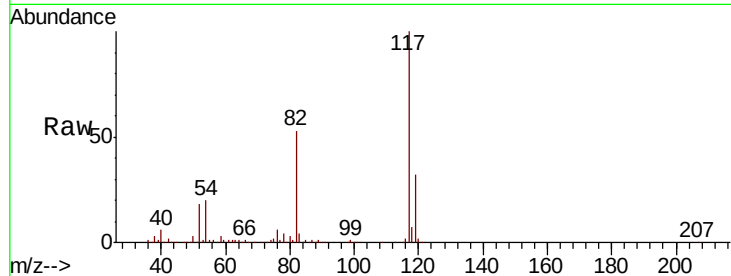




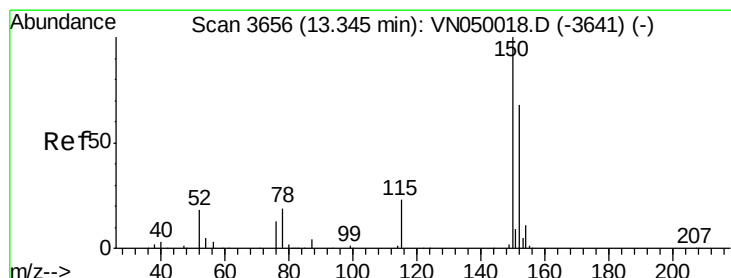
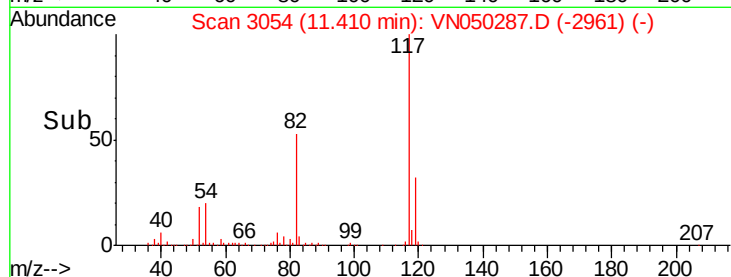
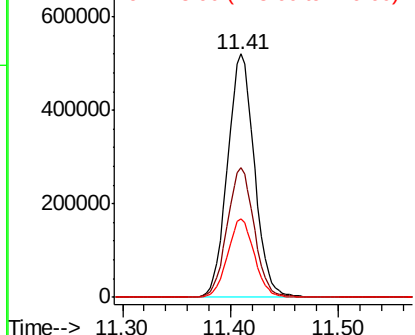
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050287.D  
Acq: 3 Aug 2018 1:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
KG-PIT-4

Tot Ion:117 Resp: 902868  
Ion Ratio Lower Upper  
117 100  
82 53.2 43.7 65.5  
119 32.4 26.1 39.1

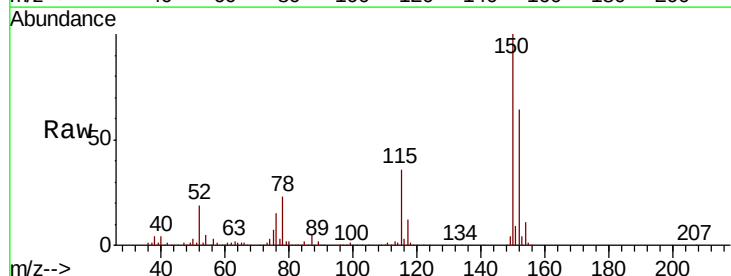


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

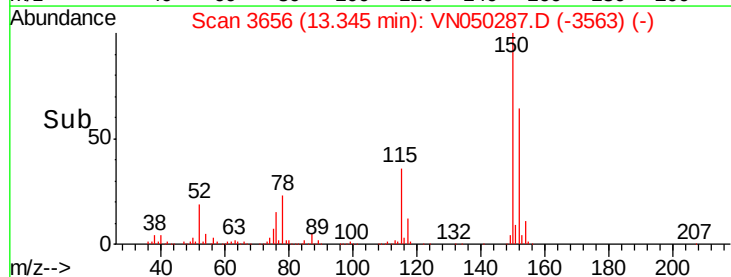
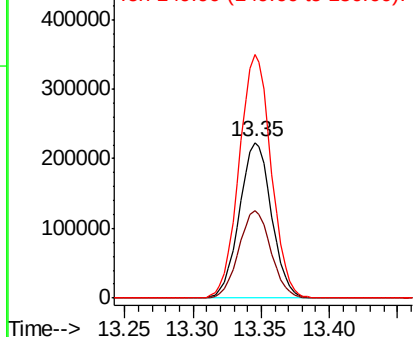


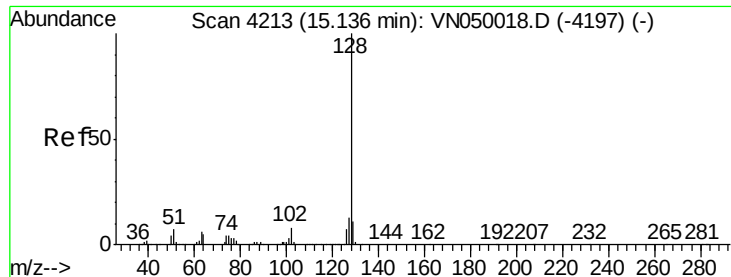
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050287.D  
Acq: 3 Aug 2018 1:43

Tgt Ion:152 Resp: 364352  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.8 83.3  
150 155.9 0.0 348.6



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





#95  
Naphthalene  
Concen: 116.818 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050287.D  
Acq: 3 Aug 2018 1:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
KG-PIT-4

Tot Ion:128 Resp: 2051498  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 10.9 8.8 13.2

