

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049267.D  
 Acq On : 15 Jun 2018 18:51  
 Operator : MD\SY  
 Sample : VN0616WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBL01

Quant Time: Jun 16 01:33:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1643605  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2532595  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 2138130  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 638375   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 1047403  | 48.05 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.10% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 960298   | 46.87 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.74% |      |
| 50) Toluene-d8              | 10.09  | 98  | 3563155  | 45.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.34% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 933145   | 36.17 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.34% |      |

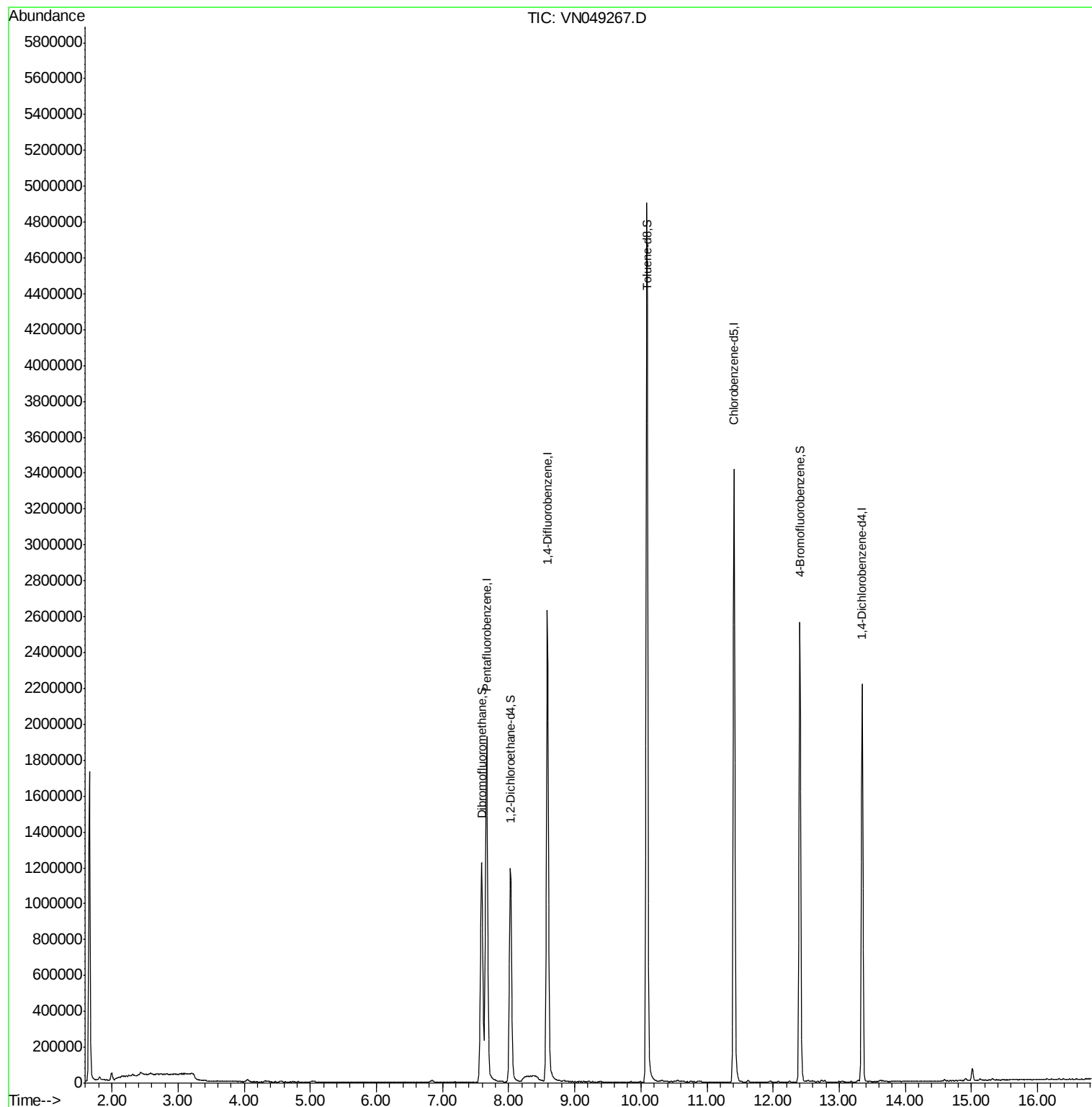
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

Instrument :

MSVOA\_N

ClientSampleId :

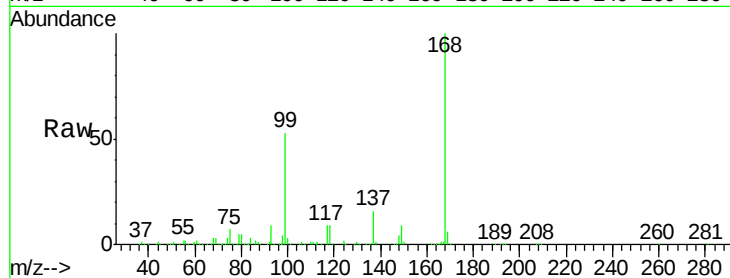
VN0616WBL01

Tot Ion:168 Resp: 1643605

Ion Ratio Lower Upper

168 100

99 52.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

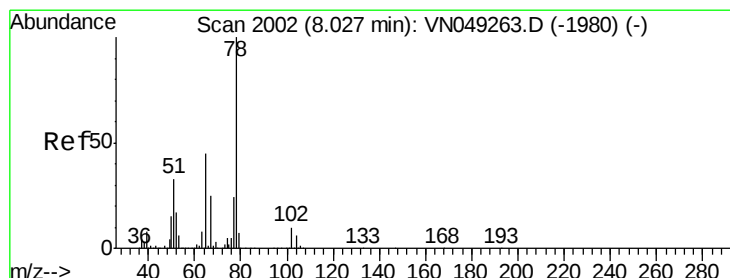
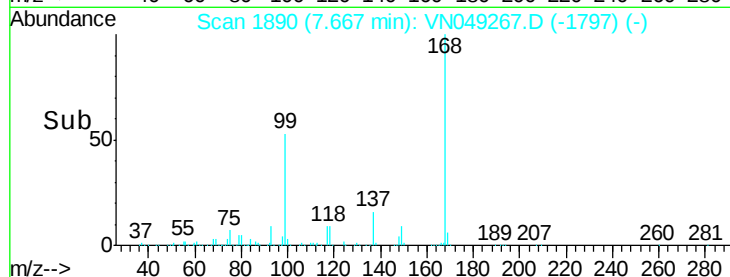
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 48.05 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049267.D

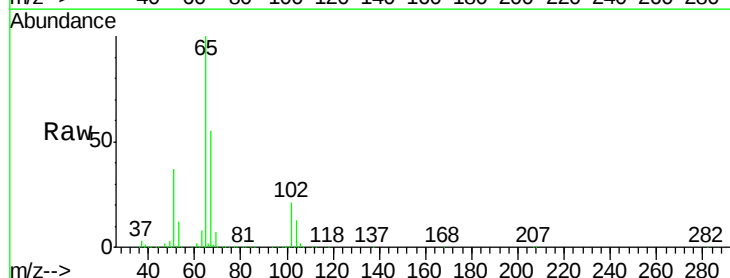
Acq: 15 Jun 2018 18:51

Tgt Ion: 65 Resp: 1047403

Ion Ratio Lower Upper

65 100

67 54.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

500000

400000

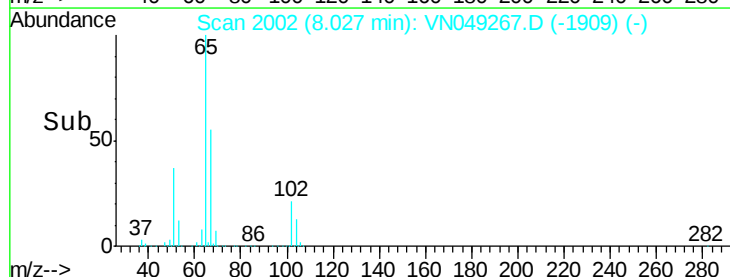
300000

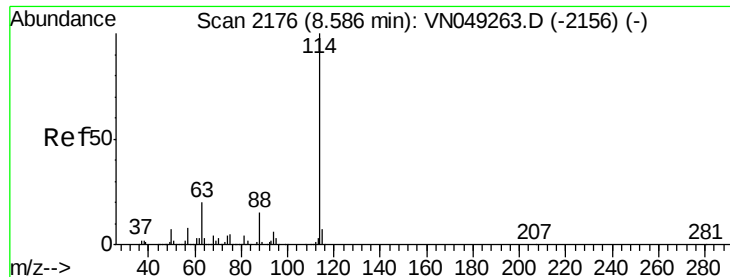
200000

100000

0

Time--> 7.90 8.00 8.10 8.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBL01

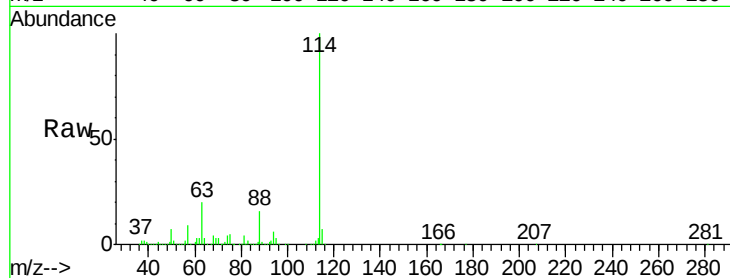
Tot Ion:114 Resp: 2532595

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

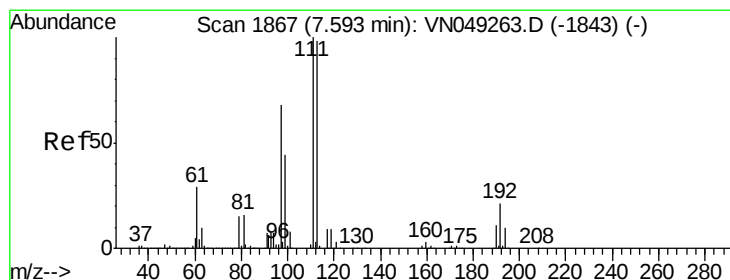
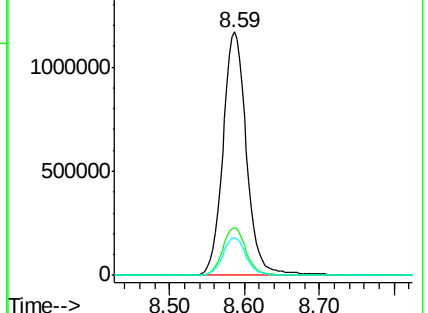
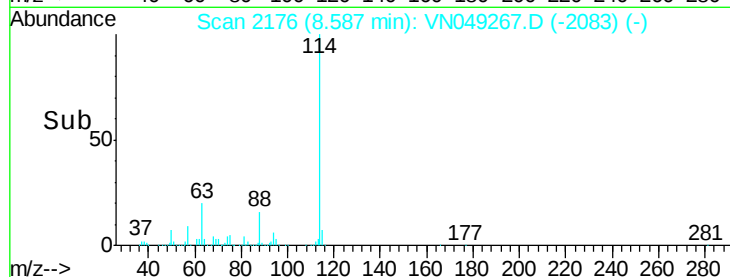
88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.87 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

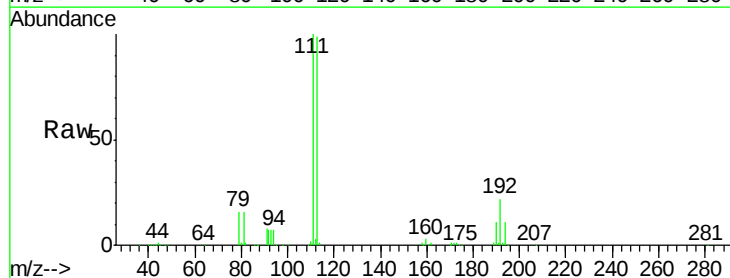
Tgt Ion:113 Resp: 960298

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

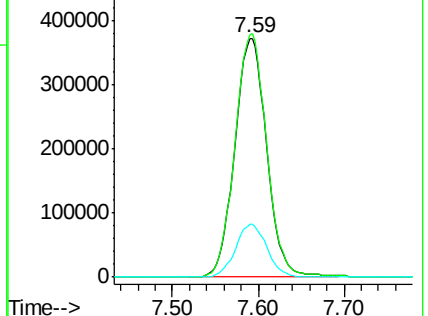
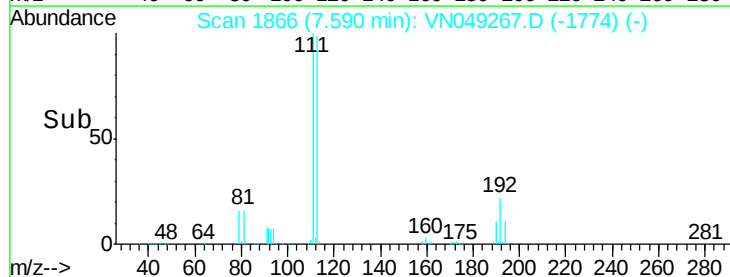
192 21.9 15.0 22.6

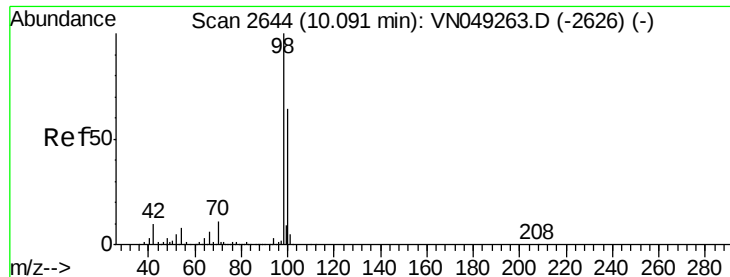


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.67 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

Instrument :

MSVOA\_N

ClientSampleId :

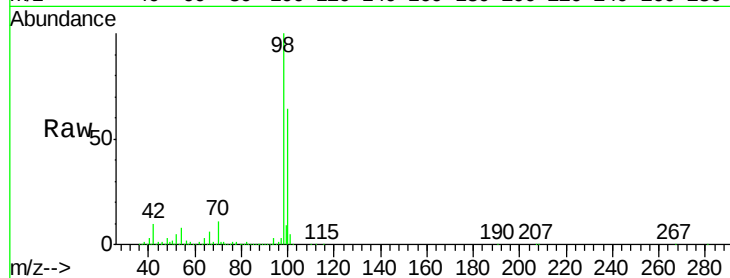
VN0616WBL01

Tot Ion: 98 Resp: 3563155

Ion Ratio Lower Upper

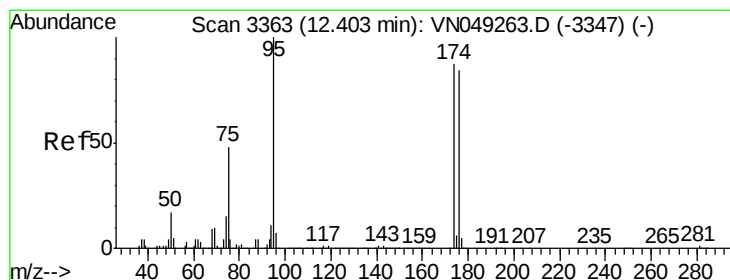
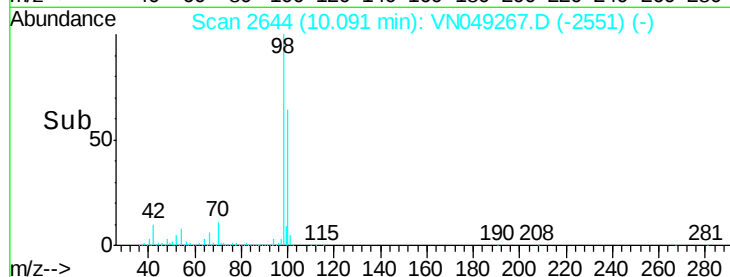
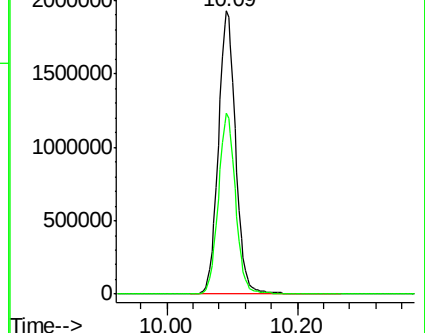
98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049267.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049267.D (-2626) (-)



#62

4-Bromofluorobenzene

Concen: 36.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

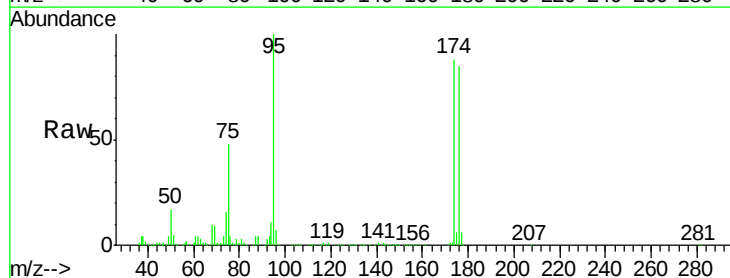
Tgt Ion: 95 Resp: 933145

Ion Ratio Lower Upper

95 100

174 88.3 0.0 165.6

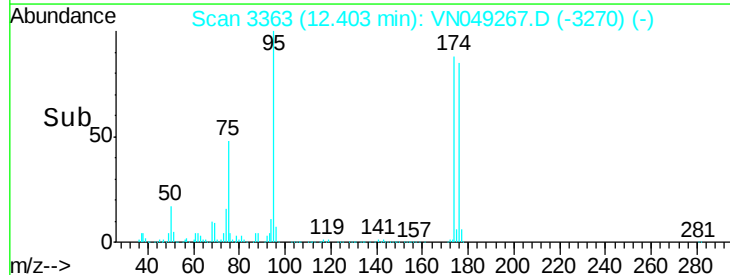
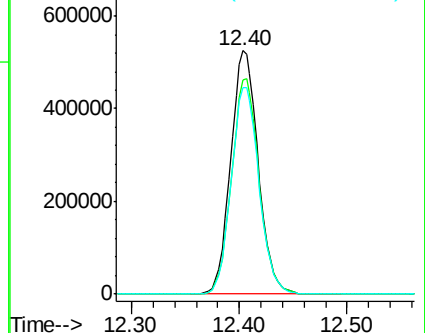
176 85.8 0.0 157.4

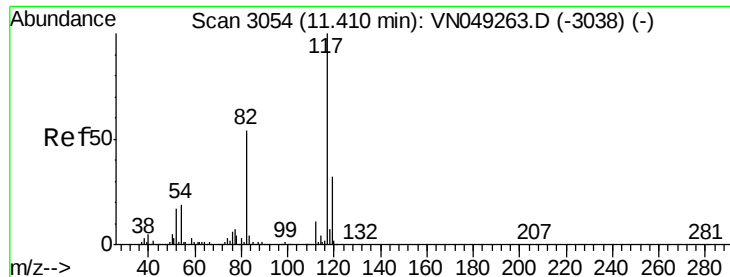


Abundance Ion 94.90 (94.60 to 95.60): VN049267.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049267.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049267.D (-3347) (-)





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBL01

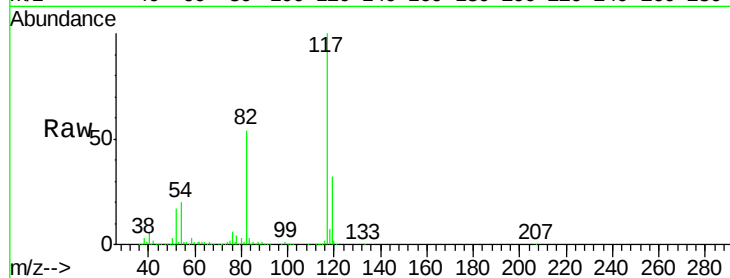
Tot Ion:117 Resp: 2138130

Ion Ratio Lower Upper

117 100

82 54.3 45.9 68.9

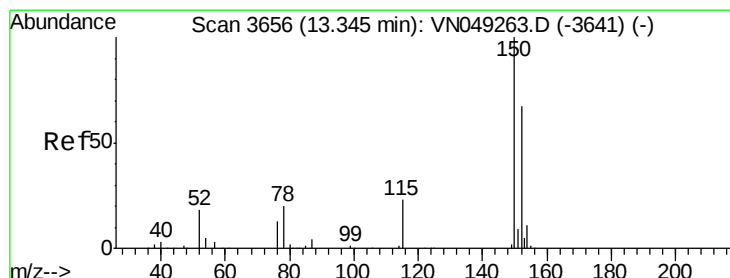
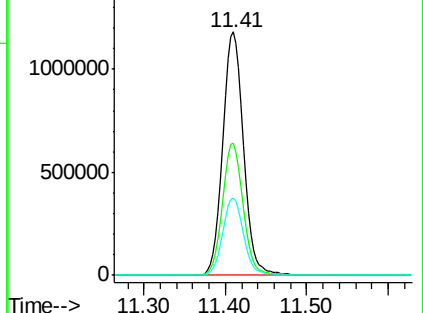
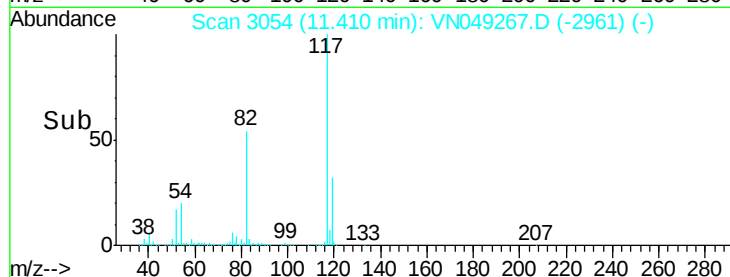
119 32.0 25.5 38.3



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: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049267.D

Acq: 15 Jun 2018 18:51

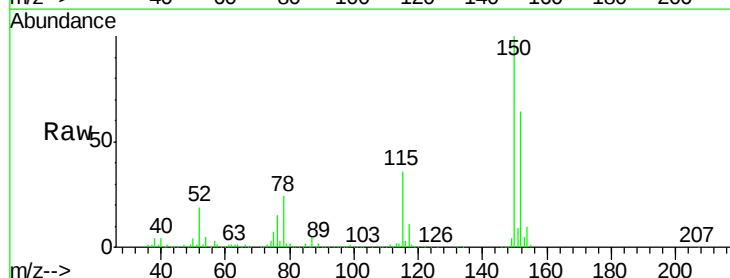
Tgt Ion:152 Resp: 638375

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.1

150 156.8 0.0 351.0



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

