

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\  
 Data File : VN051275.D  
 Acq On : 17 Sep 2018 17:24  
 Operator : MD\SY  
 Sample : J4773-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CL-01-091418-A

Quant Time: Sep 19 09:58:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 18 06:04:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 439261   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 640190   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 534113   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 168079   | 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   | 235298   | 49.29 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.58%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 251928   | 50.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.28% |          |
| 50) Toluene-d8              | 10.09 | 98   | 848355   | 46.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.26%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 221396   | 37.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 75.70%  |          |

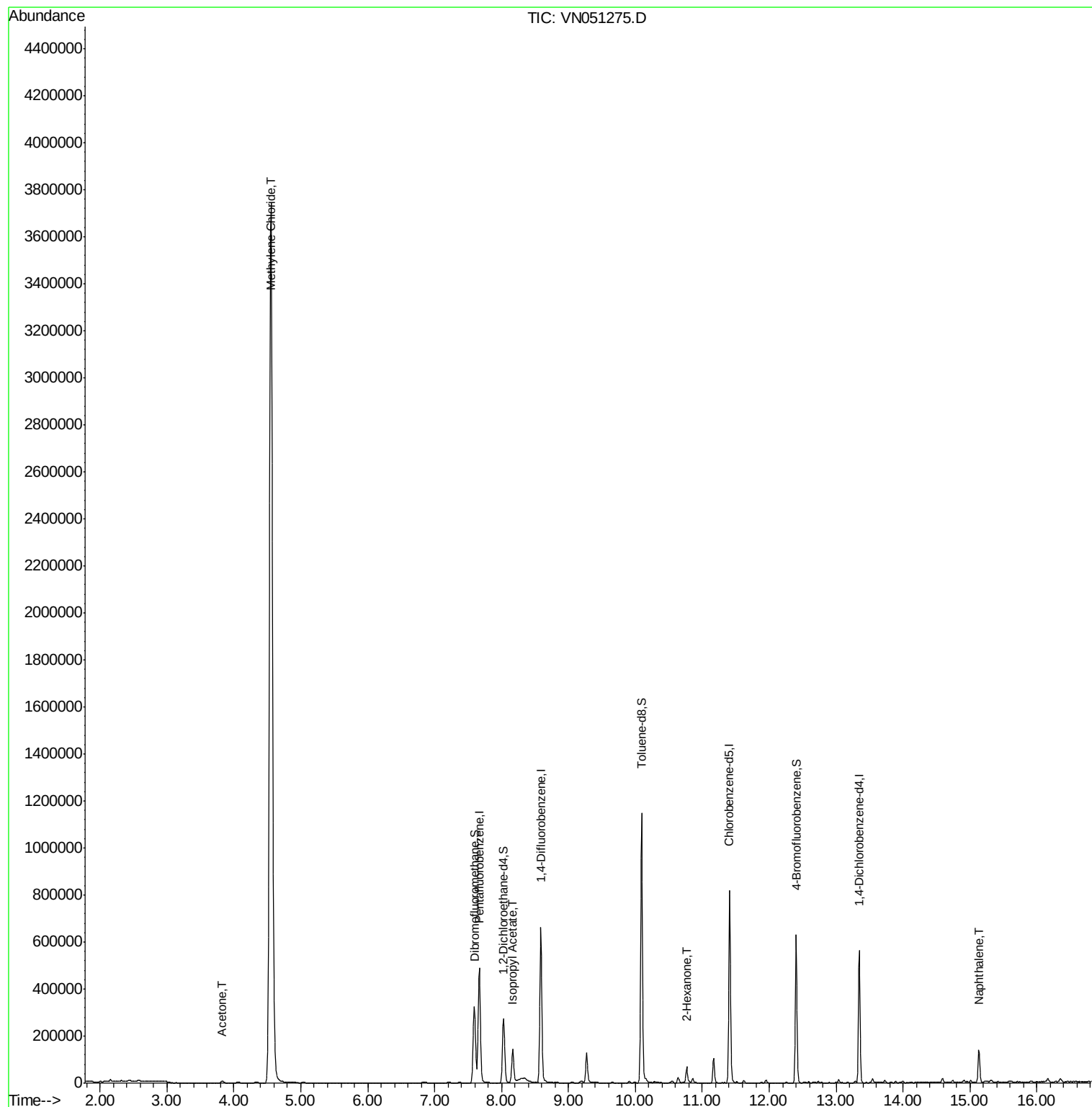
| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 16) Acetone            | 3.83  | 43   | 14079    | 3.44   | ug/l  | 91     |
| 20) Methylene Chloride | 4.55  | 84   | 3086922  | 590.80 | ug/l  | 99     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 164608   | 26.70  | ug/l  | 100    |
| 59) 2-Hexanone         | 10.76 | 43   | 11704    | 5.59   | ug/l  | 66     |
| 95) Naphthalene        | 15.13 | 128  | 129380   | 27.61  | ug/l  | 99     |

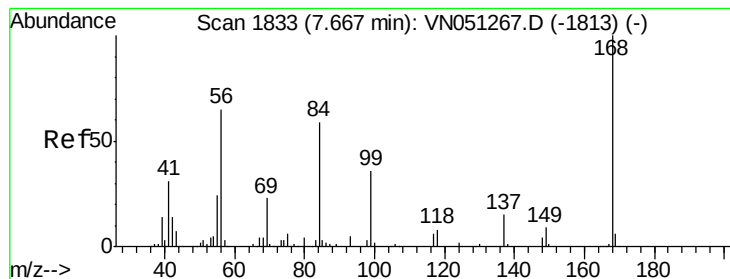
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091718\  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 18 06:04:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

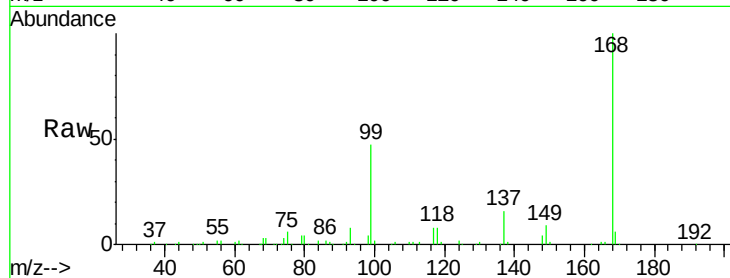
CL-01-091418-A

Tot Ion:168 Resp: 439261

Ion Ratio Lower Upper

168 100

99 47.4 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

200000

150000

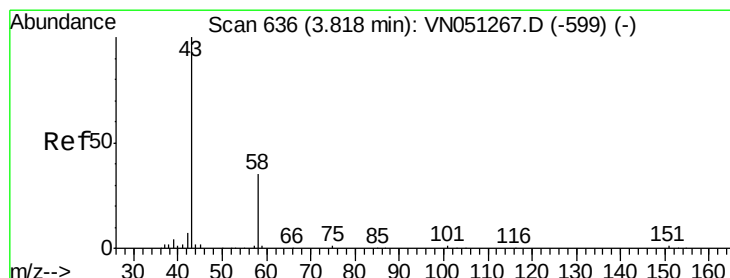
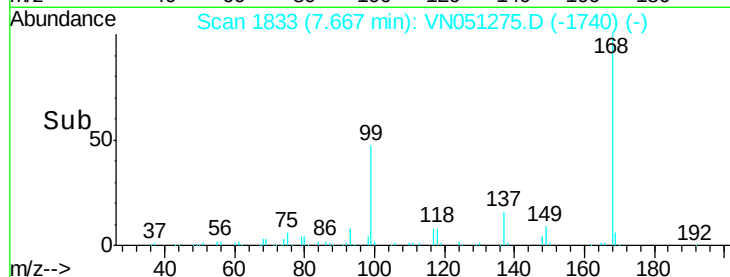
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 3.44 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051275.D

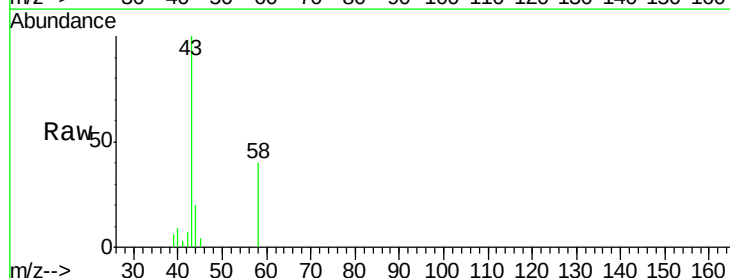
Acq: 17 Sep 2018 17:24

Tgt Ion: 43 Resp: 14079

Ion Ratio Lower Upper

43 100

58 40.4 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-599) (-)

3.83

5000

4000

3000

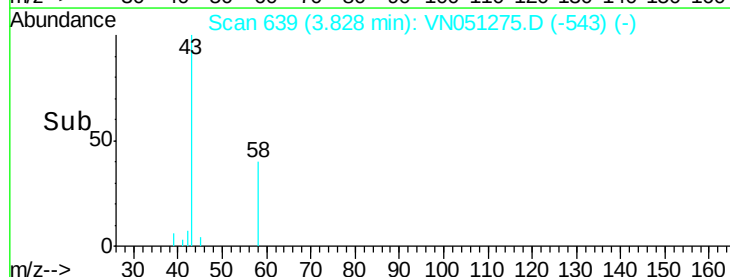
2000

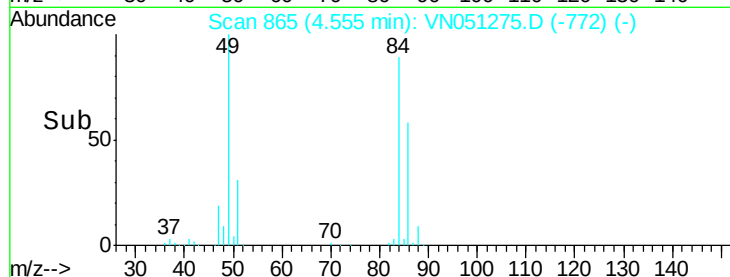
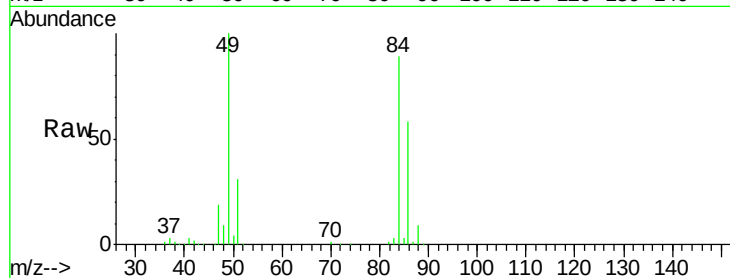
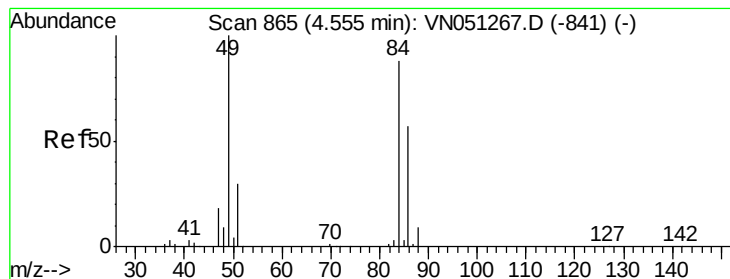
1000

0

3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 590.80 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-091418-A

Tot Ion: 84 Resp: 3086922

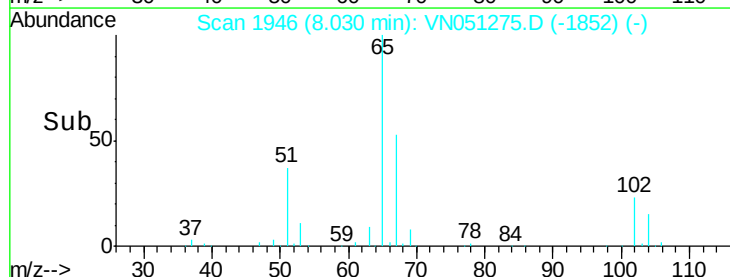
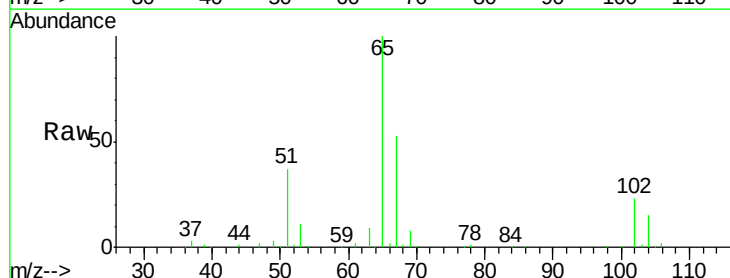
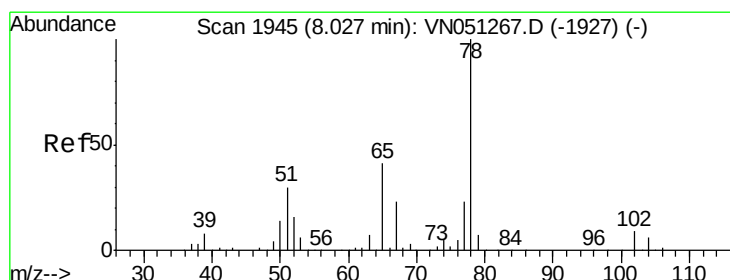
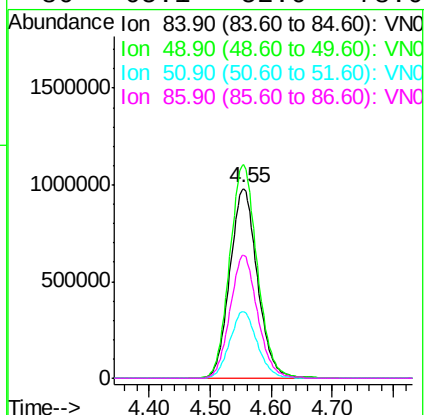
Ion Ratio Lower Upper

84 100

49 112.5 91.2 136.8

51 35.4 27.7 41.5

86 65.1 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 49.29 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051275.D

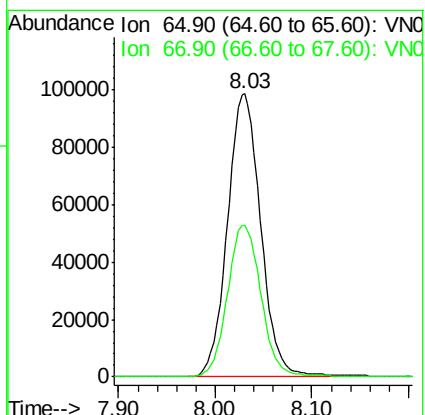
Acq: 17 Sep 2018 17:24

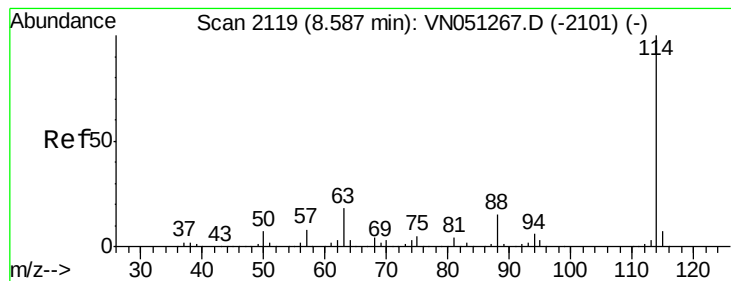
Tgt Ion: 65 Resp: 235298

Ion Ratio Lower Upper

65 100

67 54.1 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-091418-A

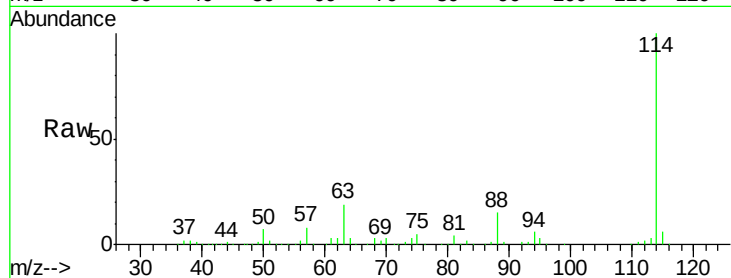
Tot Ion:114 Resp: 640190

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

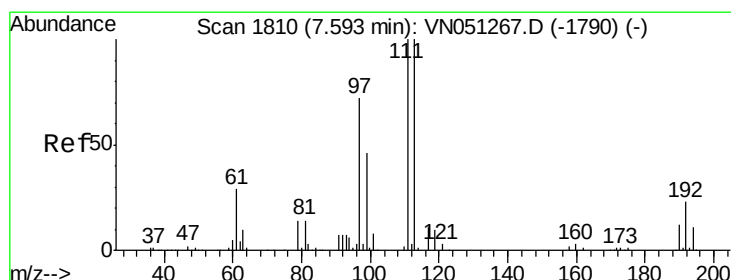
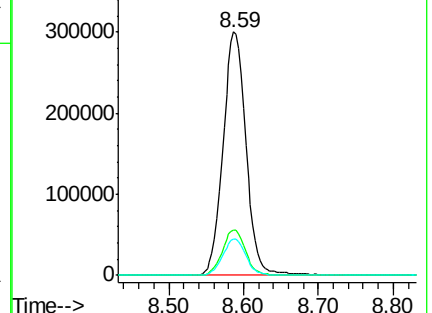
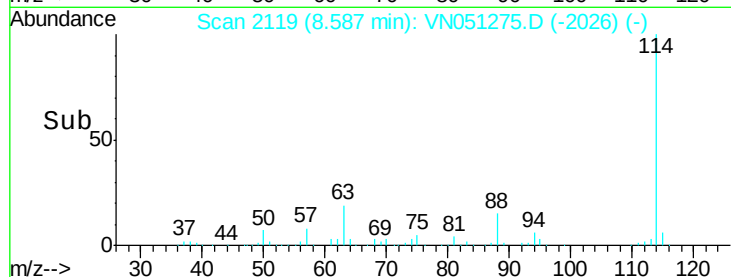
88 15.0 0.0 30.8



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: 50.64 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

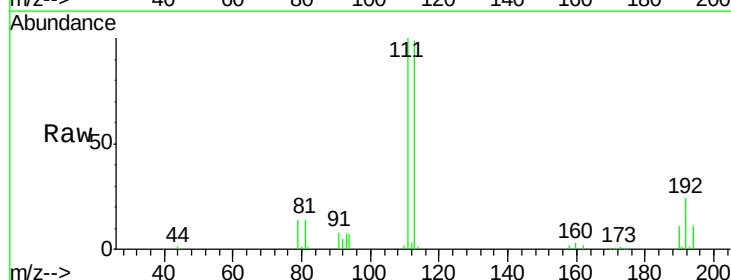
Tgt Ion:113 Resp: 251928

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

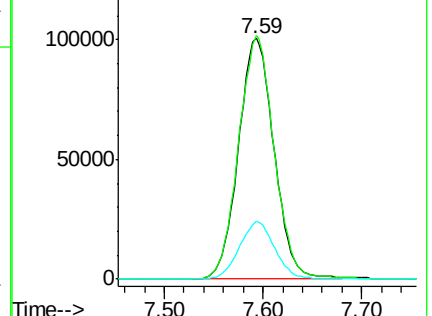
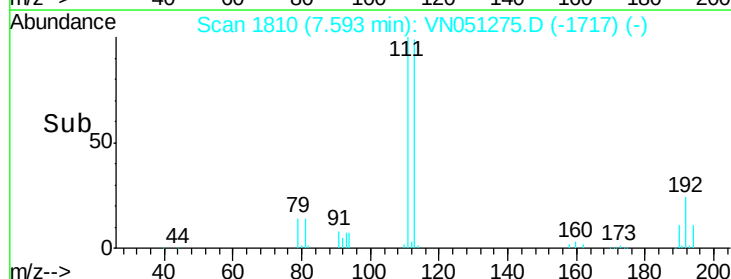
192 23.7 19.0 28.6

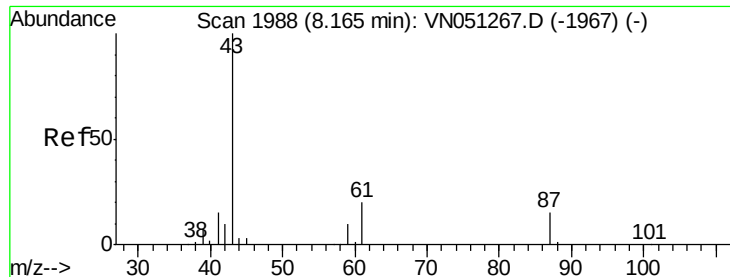


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 26.70 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-091418-A

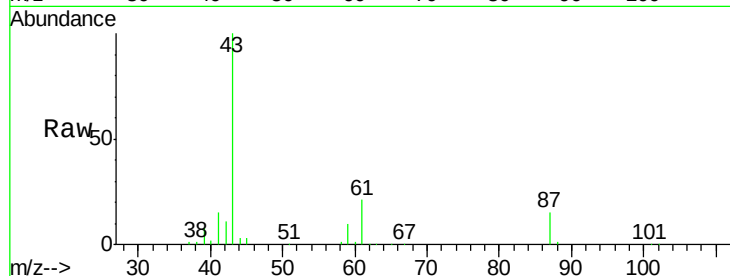
Tot Ion: 43 Resp: 164608

Ion Ratio Lower Upper

43 100

61 21.9 17.4 26.2

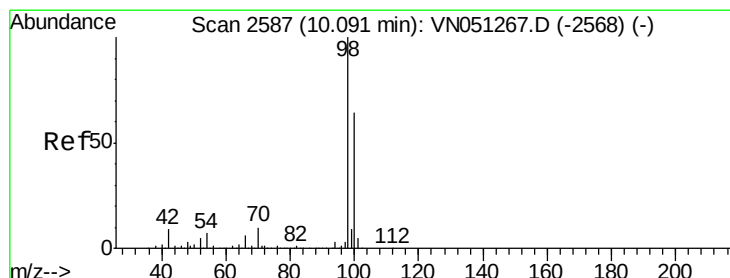
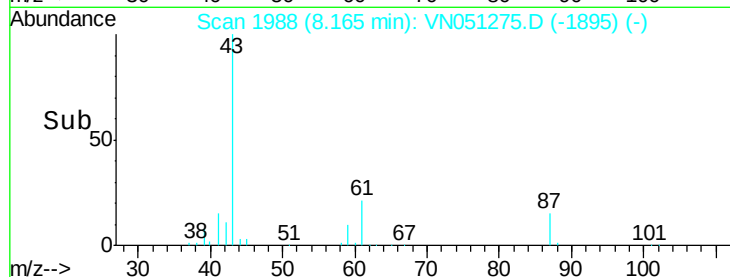
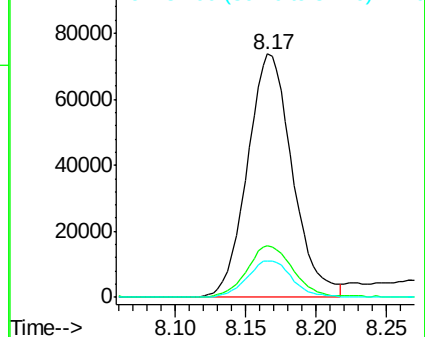
87 15.2 12.2 18.4



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



#50

Toluene-d8

Concen: 46.13 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051275.D

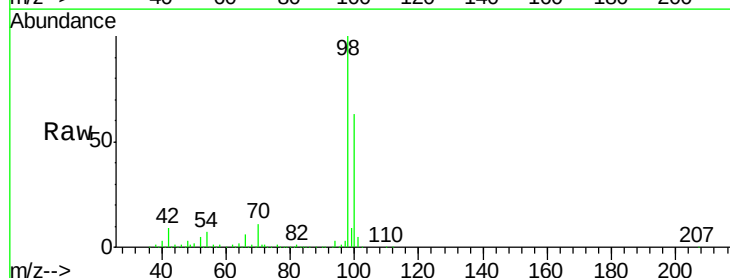
Acq: 17 Sep 2018 17:24

Tgt Ion: 98 Resp: 848355

Ion Ratio Lower Upper

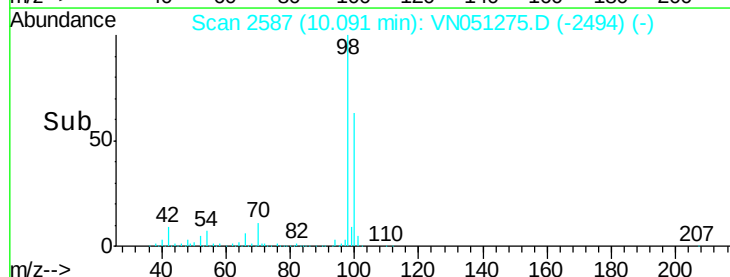
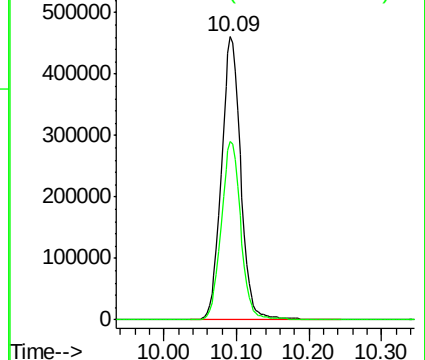
98 100

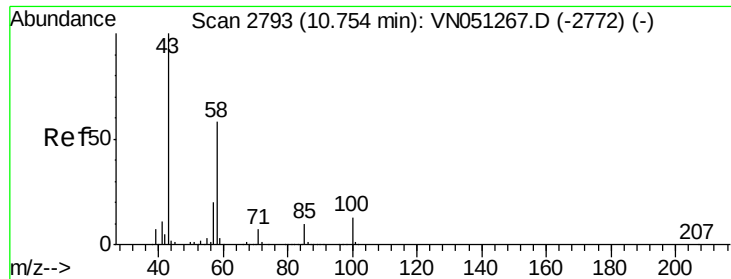
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

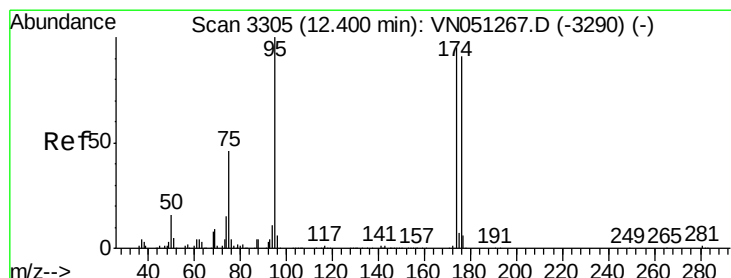
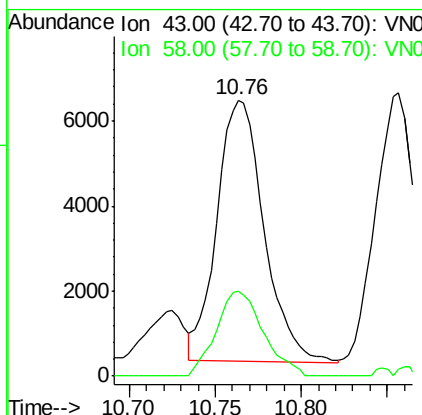
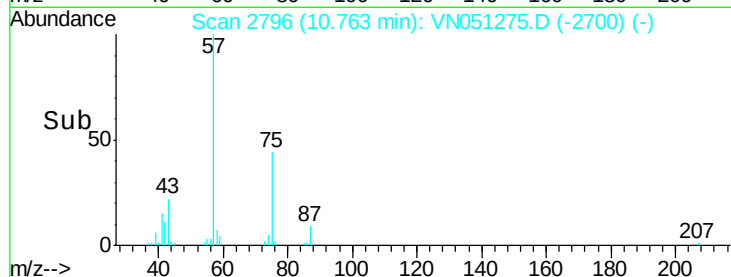
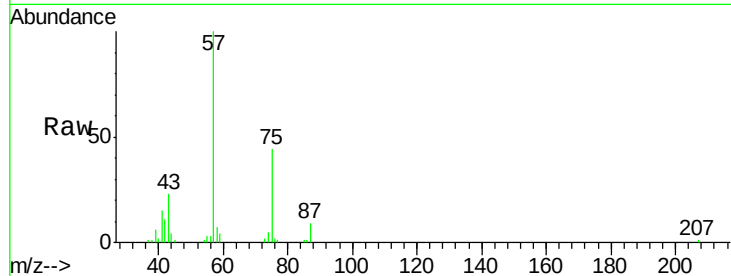




#59  
2-Hexanone  
Concen: 5.59 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN051275.D  
Acq: 17 Sep 2018 17:24

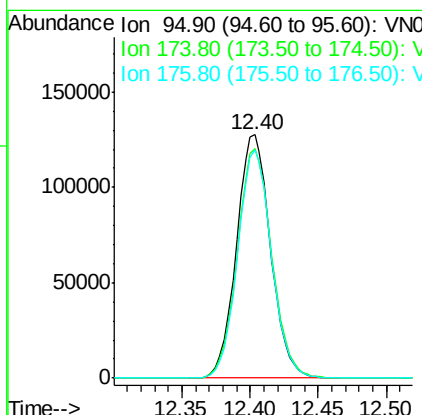
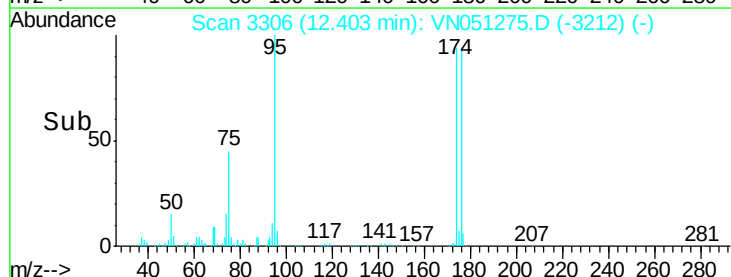
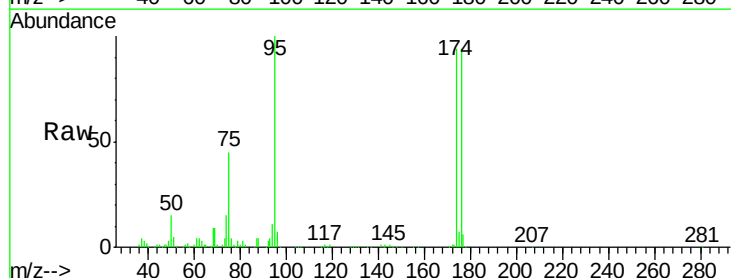
Instrument :  
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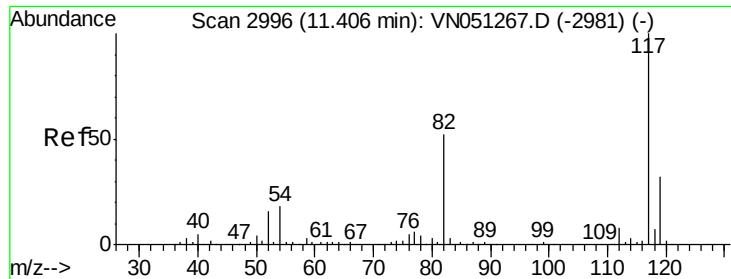
Tot Ion: 43 Resp: 11704  
Ion Ratio Lower Upper  
43 100  
58 32.6 28.9 86.8



#62  
4-Bromofluorobenzene  
Concen: 37.85 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051275.D  
Acq: 17 Sep 2018 17:24

Tgt Ion: 95 Resp: 221396  
Ion Ratio Lower Upper  
95 100  
174 95.1 0.0 189.6  
176 92.6 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-091418-A

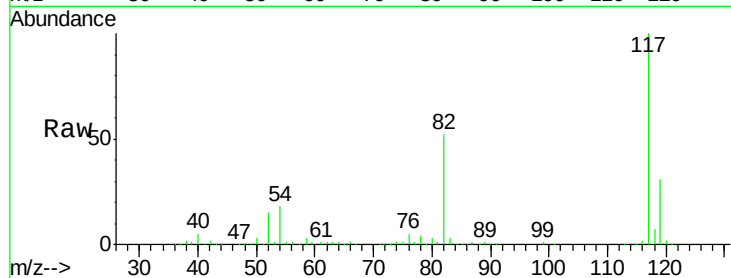
Tot Ion:117 Resp: 534113

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

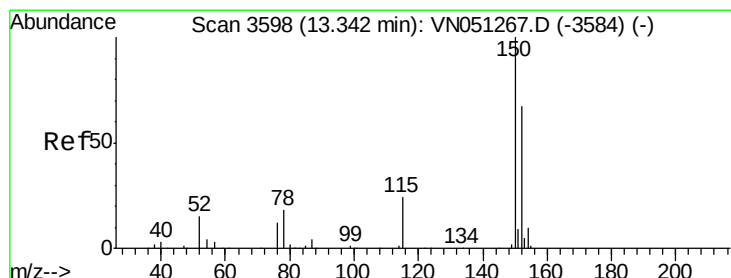
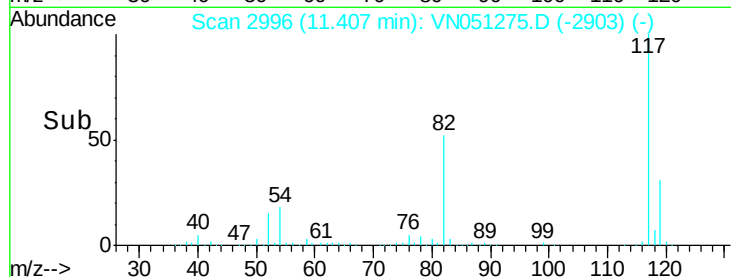
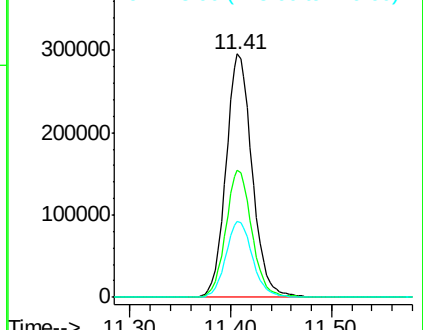
119 31.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051275.D

Acq: 17 Sep 2018 17:24

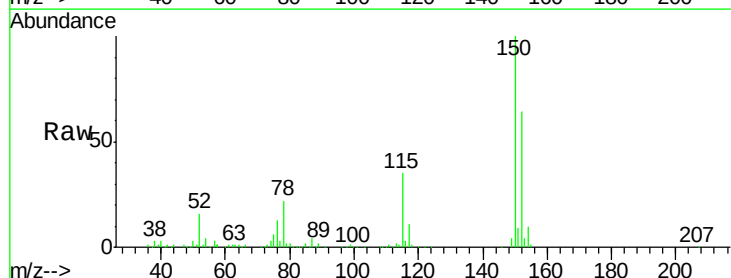
Tgt Ion:152 Resp: 168079

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

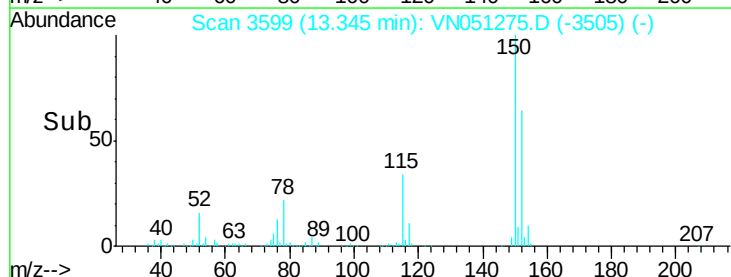
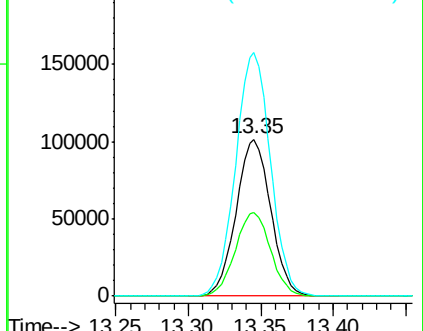
150 156.9 0.0 349.0



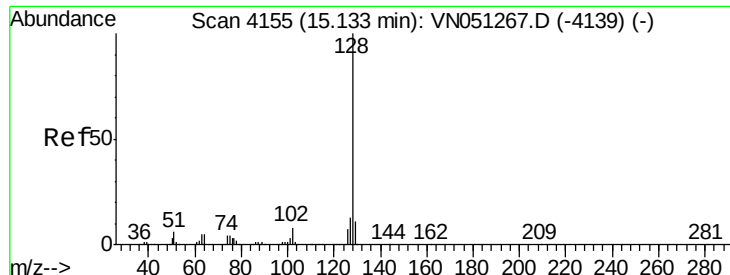
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#95

Naphthalene

Concen: 27.61 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051275.D

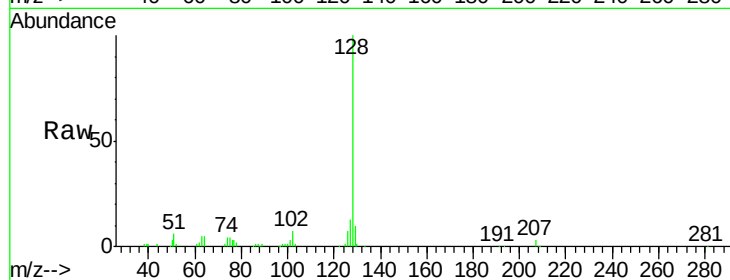
Acq: 17 Sep 2018 17:24

Instrument :

MSVOA\_N

ClientSampleId :

CL-01-091418-A



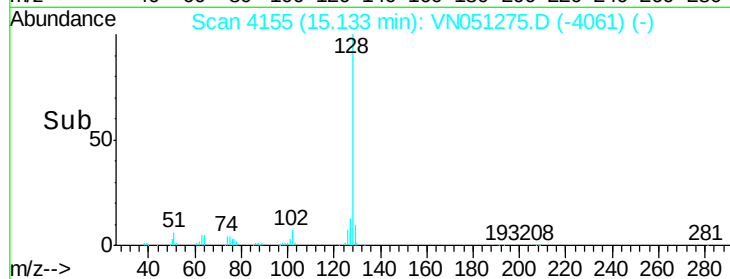
Tot Ion:128 Resp: 129380

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 10.6 8.9 13.3



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

