

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\  
 Data File : VN058663.D  
 Acq On : 9 Oct 2019 23:56  
 Operator : JC/SP  
 Sample : K5261-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 S49-0556

Quant Time: Oct 10 05:51:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092719W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 30 08:07:38 2019  
 Response via : Initial Calibration

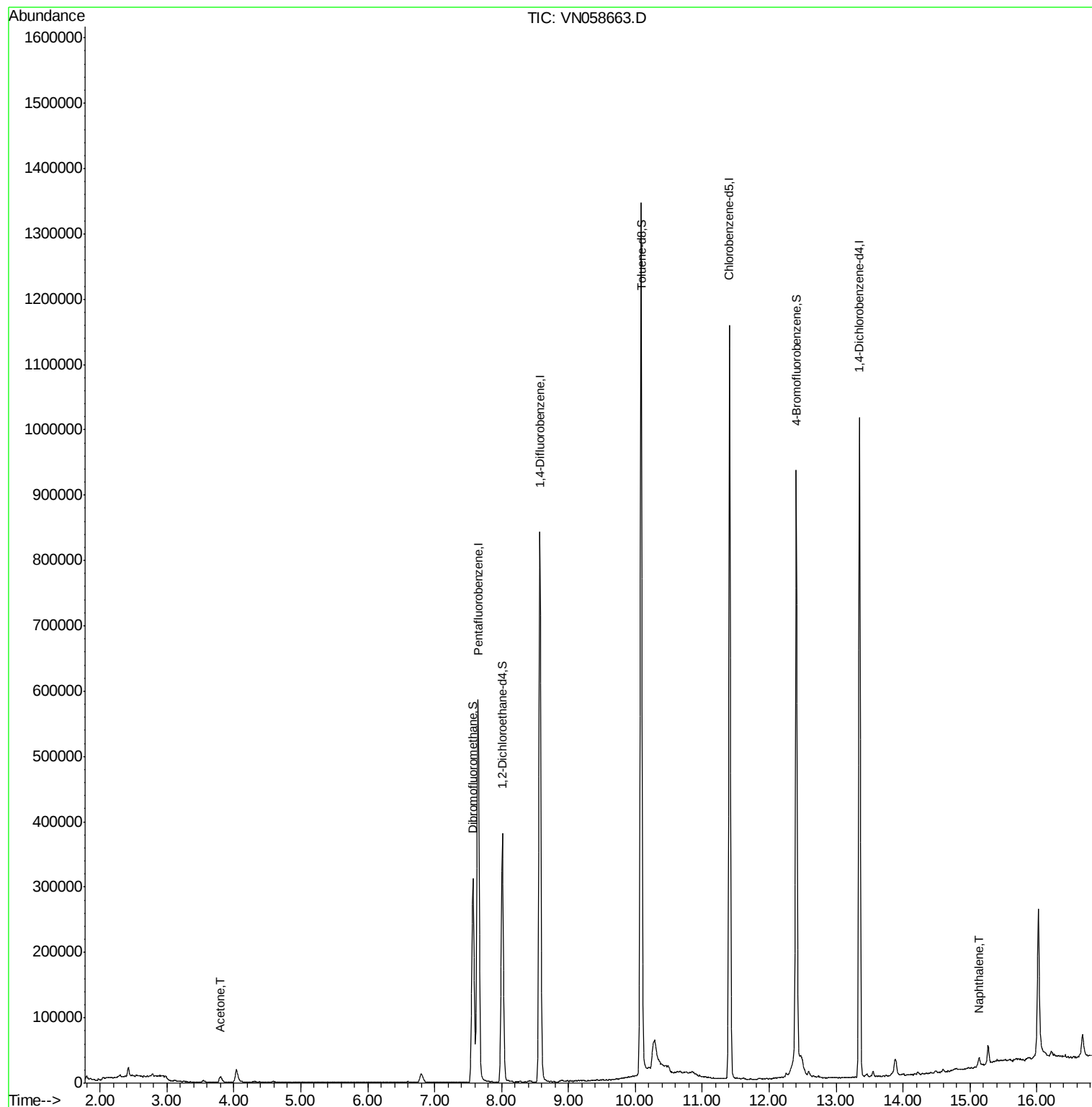
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 468843   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 742920   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 647473   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 261314   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 335467   | 48.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.92%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 240855   | 52.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.80% |          |
| 50) Toluene-d8              | 10.08 | 98   | 927569   | 52.00 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 306700   | 47.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.10%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.80  | 43   | 14969    | 6.409 | ug/l    | 96       |
| 95) Naphthalene             | 15.14 | 128  | 5767     | 0.423 | ug/l #  | 91       |

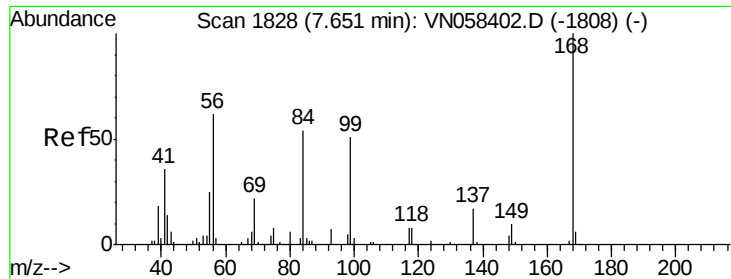
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 30 08:07:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA\_N

ClientSampleId :

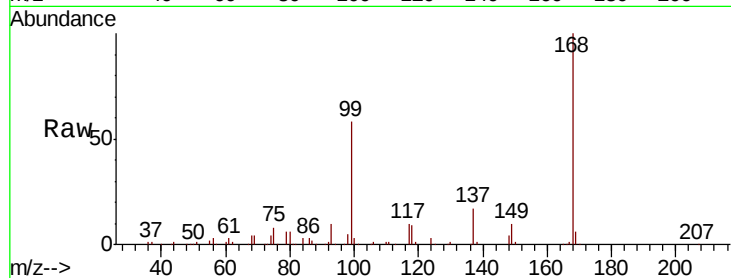
S49-0556

Tot Ion:168 Resp: 468843

Ion Ratio Lower Upper

168 100

99 58.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

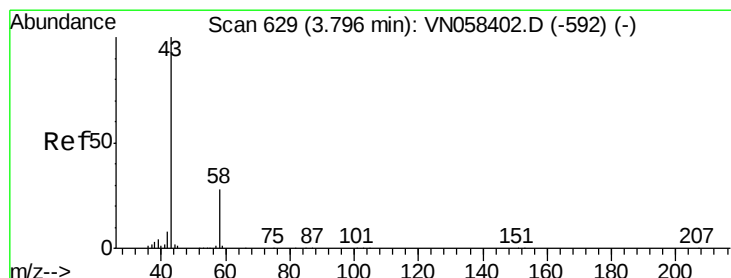
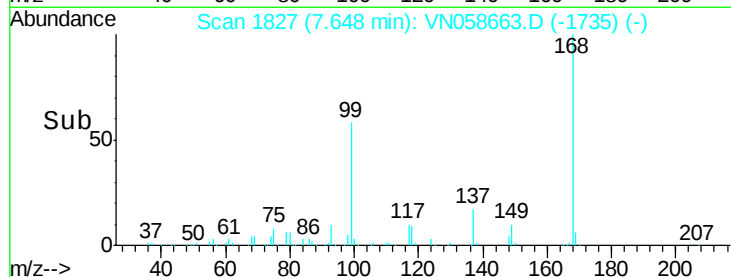
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.409 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058663.D

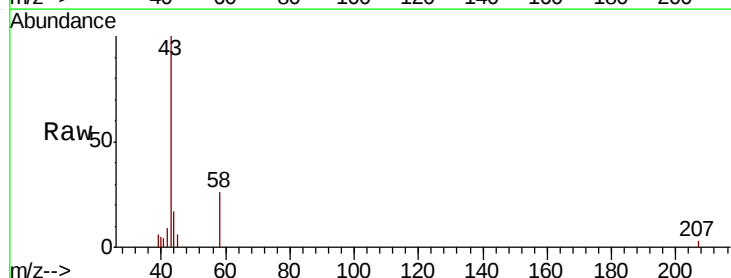
Acq: 9 Oct 2019 23:56

Tgt Ion: 43 Resp: 14969

Ion Ratio Lower Upper

43 100

58 26.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

6000

5000

4000

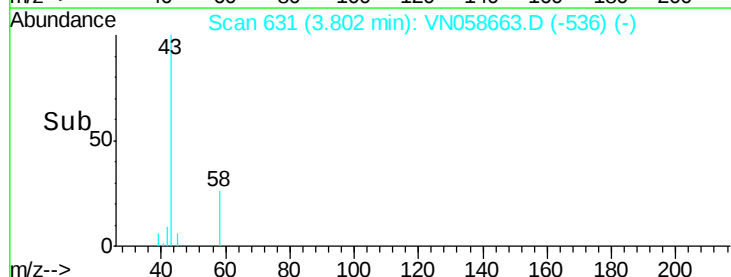
3000

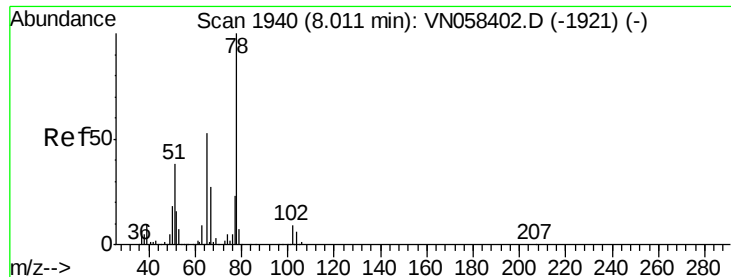
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.963 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA\_N

ClientSampleId :

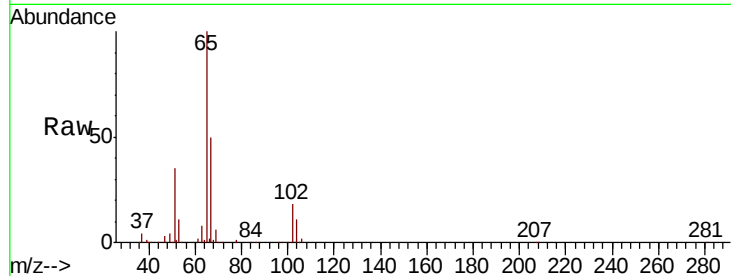
S49-0556

Tot Ion: 65 Resp: 335467

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

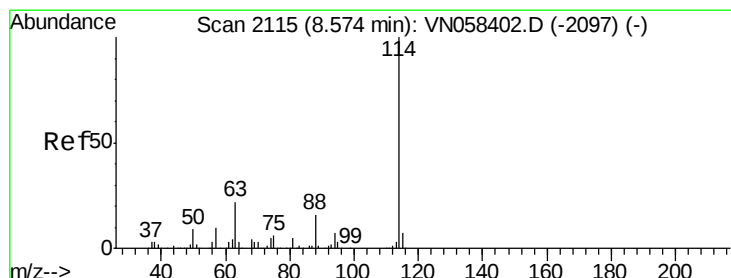
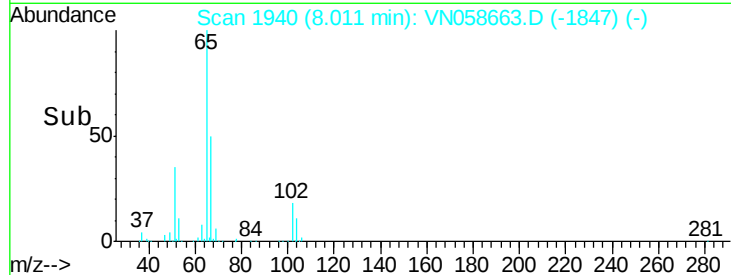
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

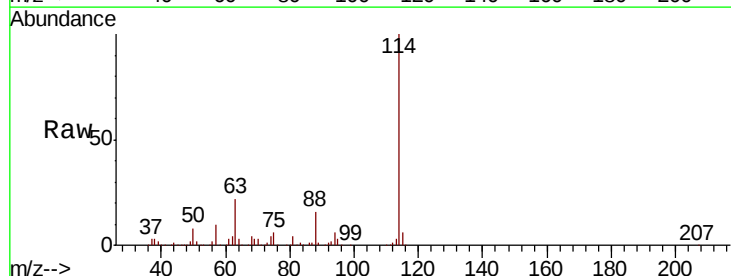
Tgt Ion: 114 Resp: 742920

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

400000

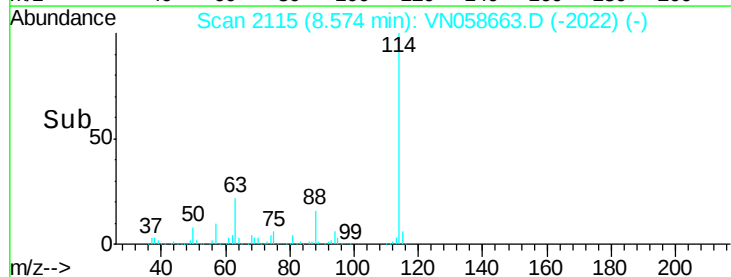
300000

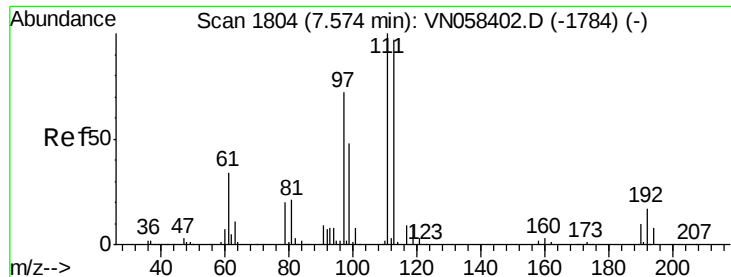
200000

100000

0

Time-->

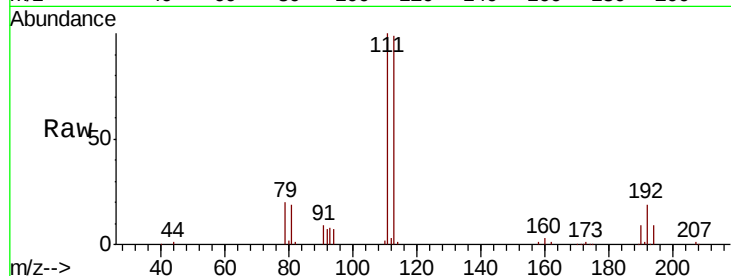




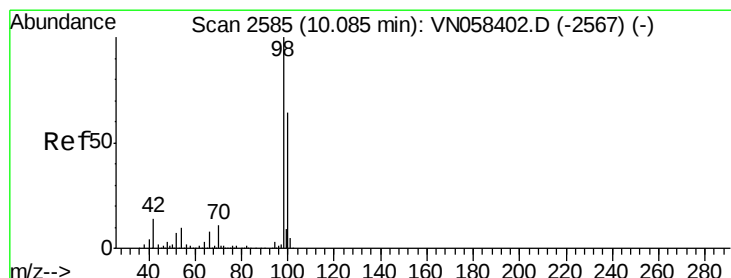
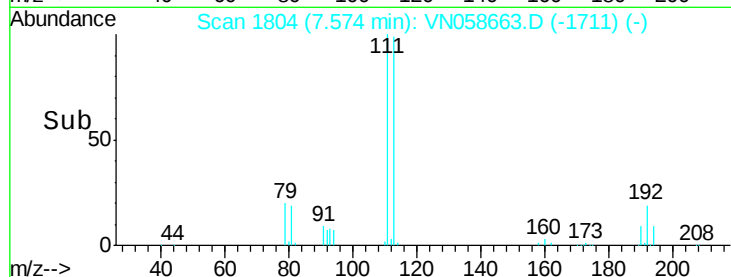
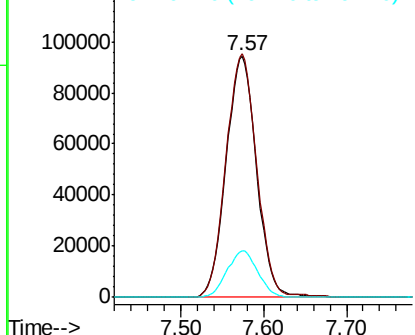
#35  
Dibromofluoromethane  
Concen: 52.897 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN058663.D  
Acq: 9 Oct 2019 23:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
S49-0556

Tot Ion:113 Resp: 240855  
Ion Ratio Lower Upper  
113 100  
111 101.0 83.4 125.2  
192 19.6 14.9 22.3

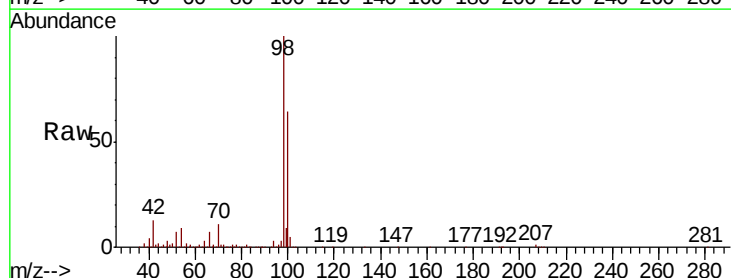


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

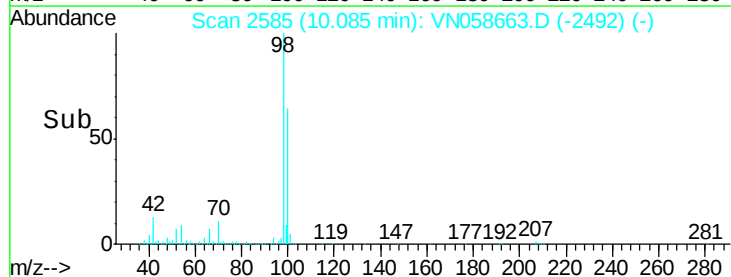
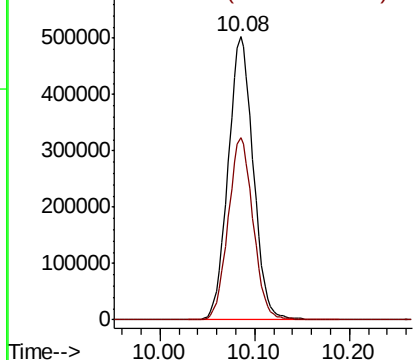


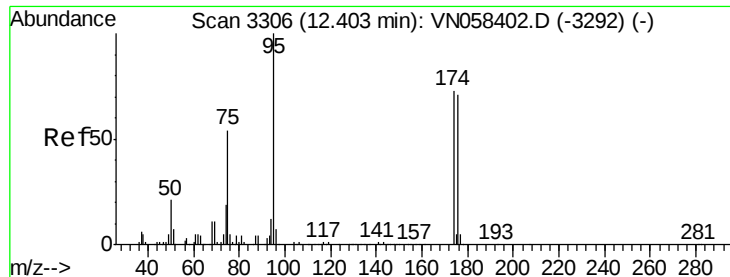
#50  
Toluene-d8  
Concen: 52.002 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058663.D  
Acq: 9 Oct 2019 23:56

Tgt Ion: 98 Resp: 927569  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN  
Ion 100.00 (99.70 to 100.70): VN

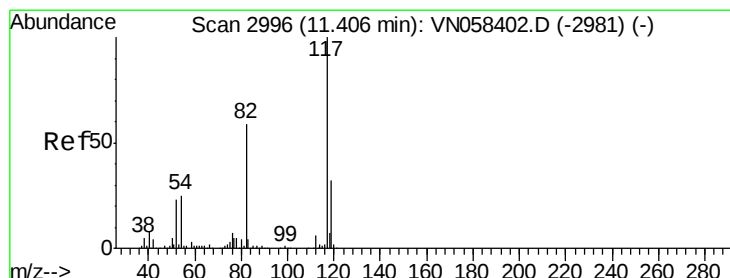
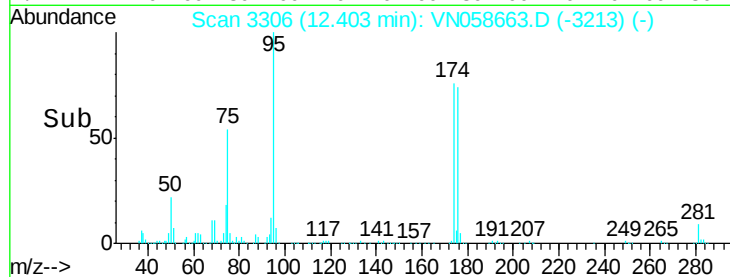
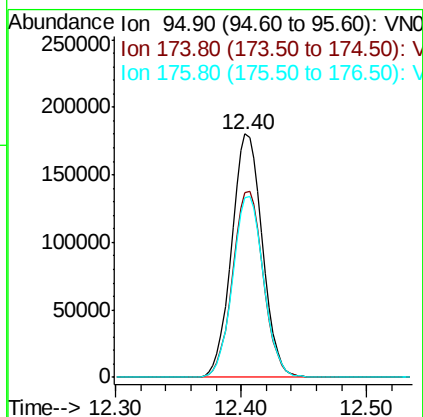
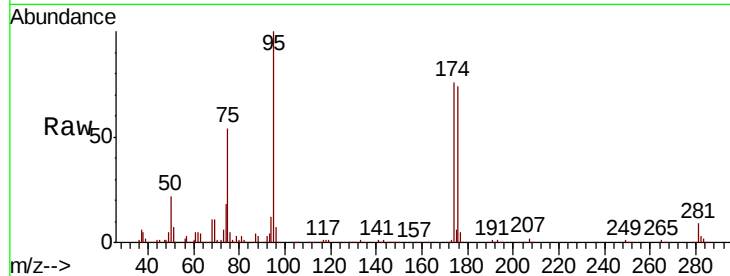




#62  
4-Bromofluorobenzene  
Concen: 47.554 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN058663.D  
Acq: 9 Oct 2019 23:56

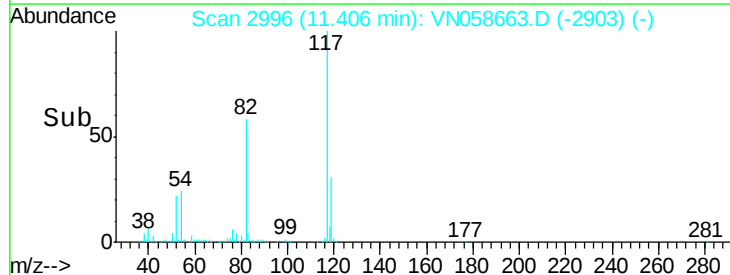
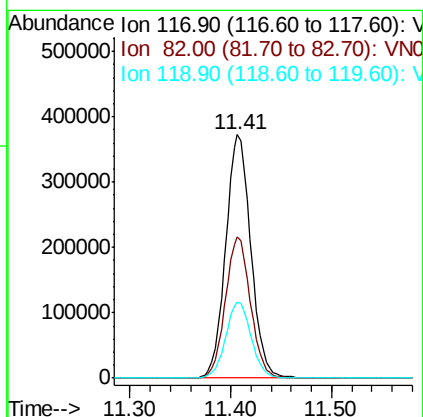
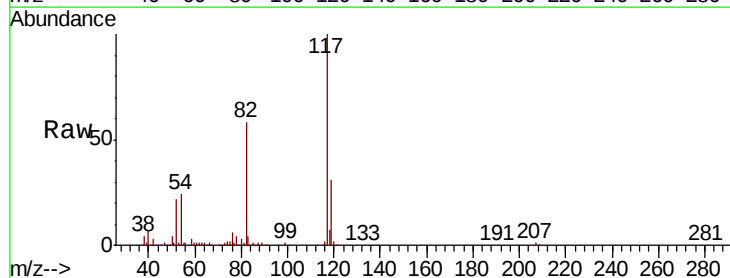
Instrument :  
MSVOA\_N  
ClientSampleId :  
S49-0556

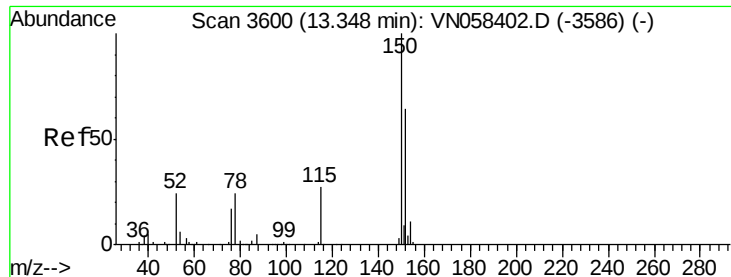
Tot Ion: 95 Resp: 306700  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 150.6  
176 74.7 0.0 146.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058663.D  
Acq: 9 Oct 2019 23:56

Tgt Ion: 117 Resp: 647473  
Ion Ratio Lower Upper  
117 100  
82 58.1 47.4 71.0  
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

Instrument :

MSVOA\_N

ClientSampleId :

S49-0556

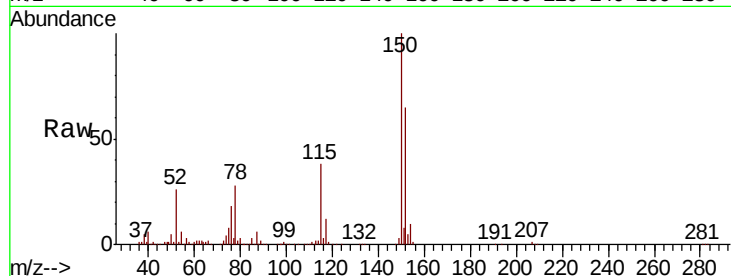
Tot Ion:152 Resp: 261314

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

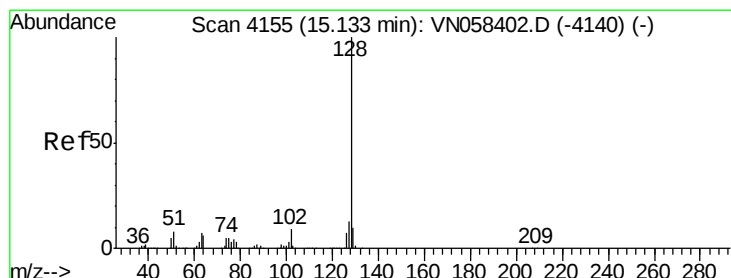
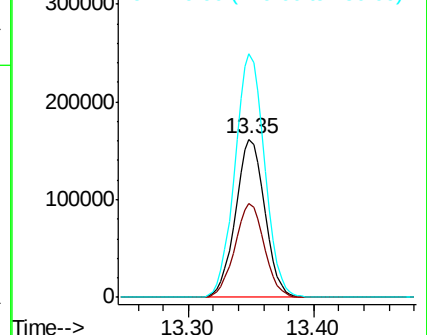
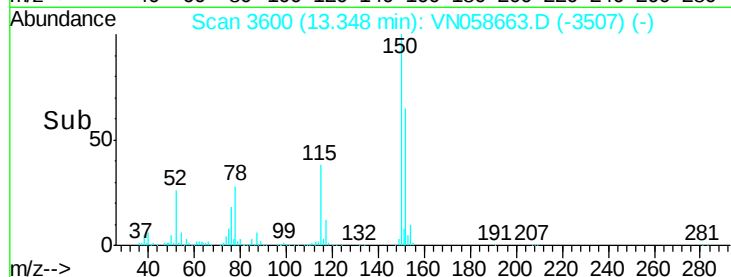
150 156.8 0.0 348.2



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: 0.423 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058663.D

Acq: 9 Oct 2019 23:56

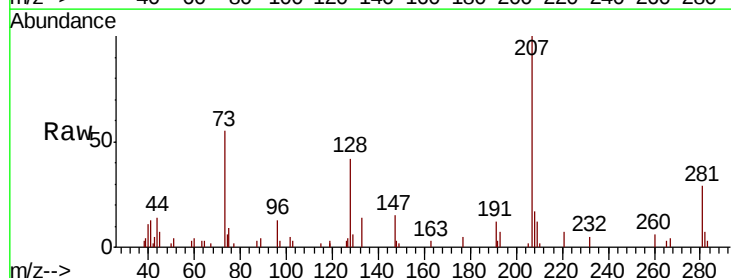
Tgt Ion:128 Resp: 5767

Ion Ratio Lower Upper

128 100

127 7.2 10.2 15.4#

129 11.2 8.3 12.5



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

