

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\  
 Data File : VN059613.D  
 Acq On : 16 Dec 2019 19:13  
 Operator : JC/SP  
 Sample : K6113-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-121319

Quant Time: Dec 17 06:31:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 13 23:17:39 2019  
 Response via : Initial Calibration

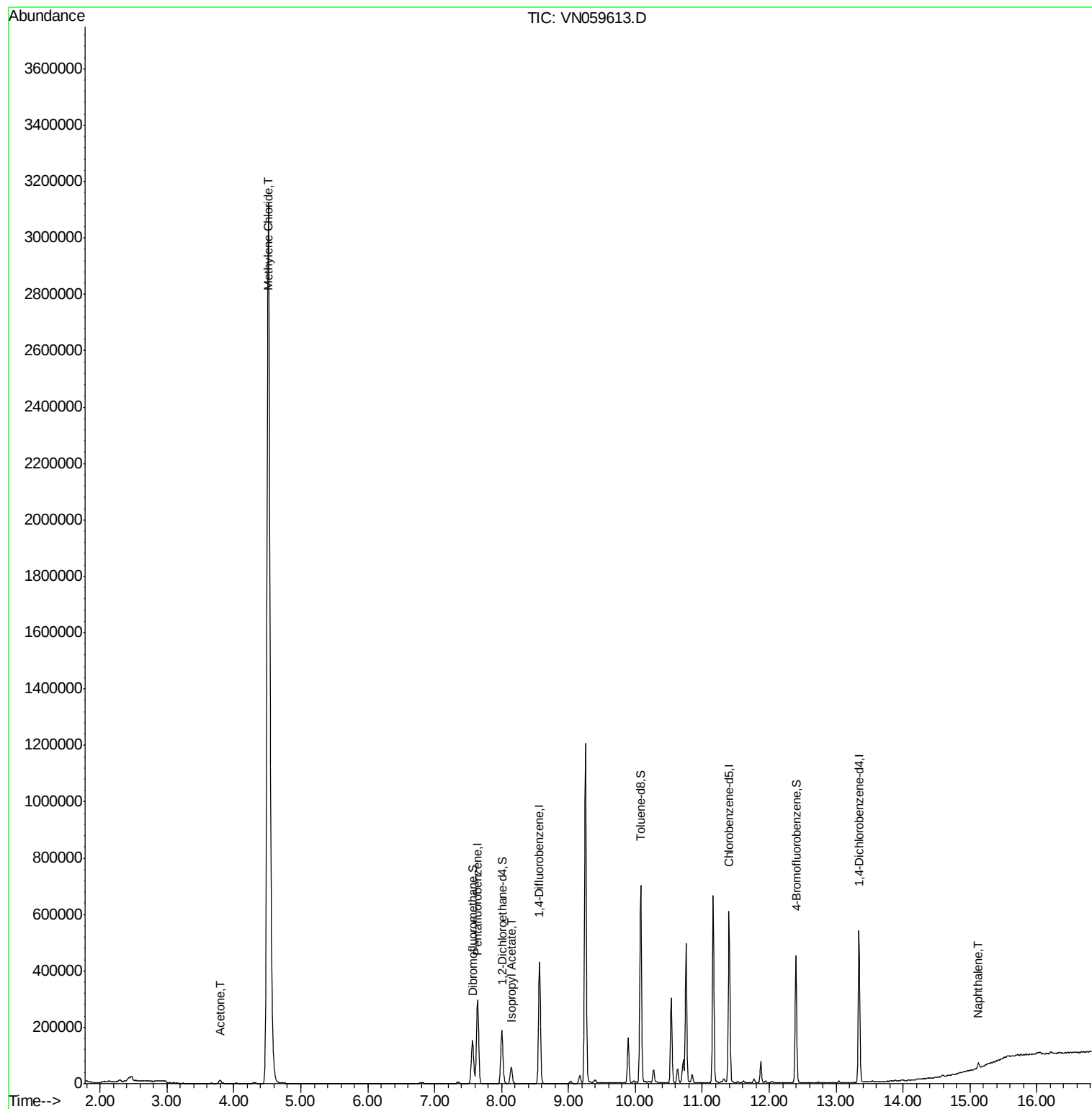
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 230914   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 366660   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 339882   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 135317   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 166926   | 49.68   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.36%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 117015   | 51.01   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.02% |          |
| 50) Toluene-d8              | 10.08 | 98   | 466696   | 51.38   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 102.76% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 155128   | 46.81   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 93.62%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 3.79  | 43   | 18825    | 9.436   | ug/l    | 98       |
| 20) Methylene Chloride      | 4.52  | 84   | 2397762  | 832.216 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 68506    | 9.915   | ug/l #  | 90       |
| 95) Naphthalene             | 15.13 | 128  | 14123    | 1.547   | ug/l    | 99       |

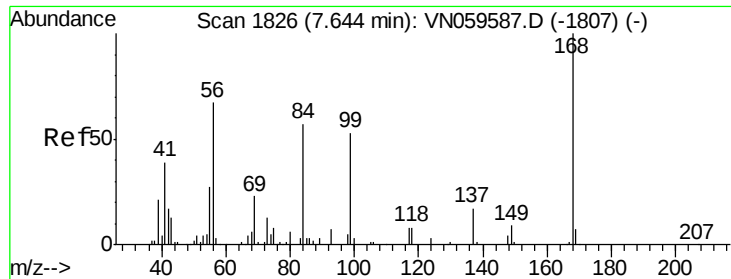
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121619\  
Data File : VN059613.D  
Acq On : 16 Dec 2019 19:13  
Operator : JC/SP  
Sample : K6113-10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-121319

Quant Time: Dec 17 06:31:18 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121319W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 13 23:17:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

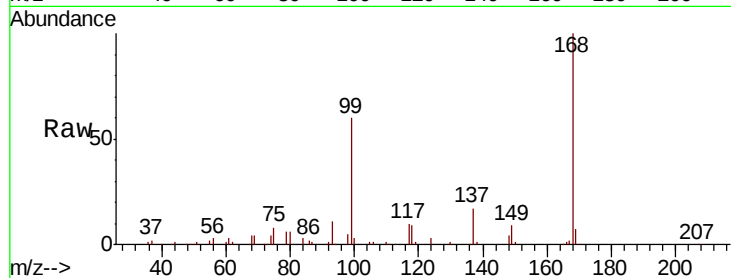
OR-02-121319

Tot Ion:168 Resp: 230914

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

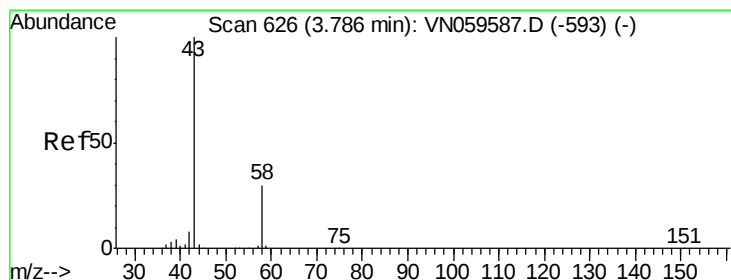
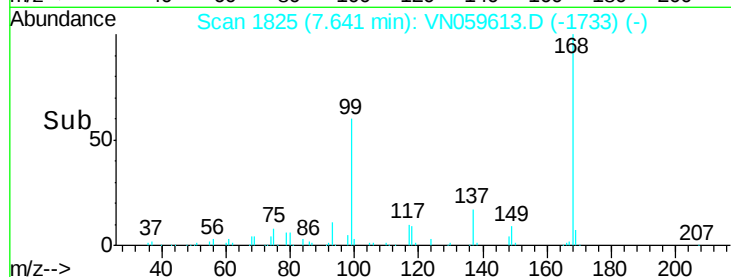
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 9.436 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059613.D

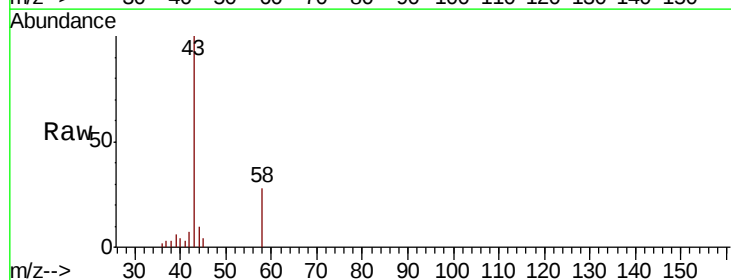
Acq: 16 Dec 2019 19:13

Tgt Ion: 43 Resp: 18825

Ion Ratio Lower Upper

43 100

58 28.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

3.79

8000

6000

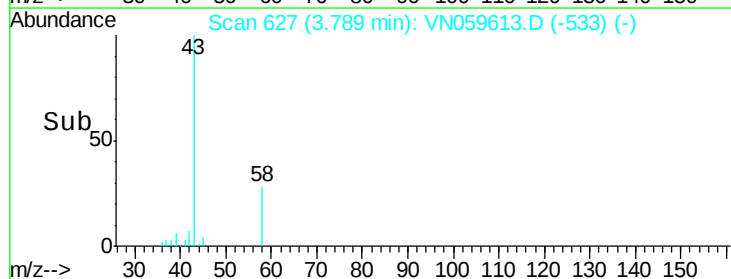
4000

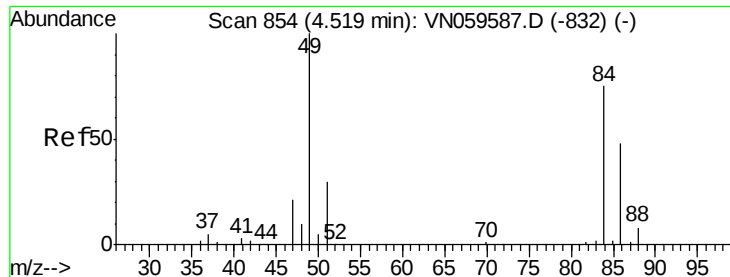
2000

0

3.70 3.75 3.80 3.85 3.90

Time-->





#20

Methylene Chloride

Concen: 832.216 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampled :

OR-02-121319

Tot Ion: 84 Resp: 2397762

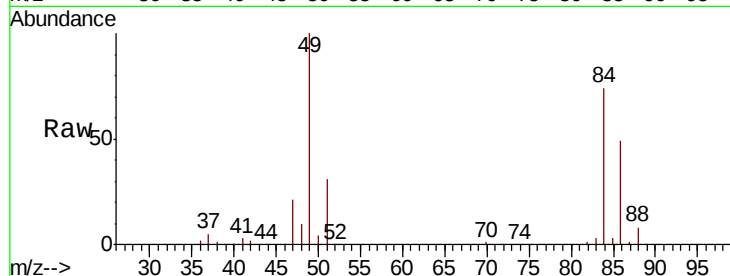
Ion Ratio Lower Upper

84 100

49 134.3 106.6 160.0

51 41.7 31.9 47.9

86 65.3 50.8 76.2

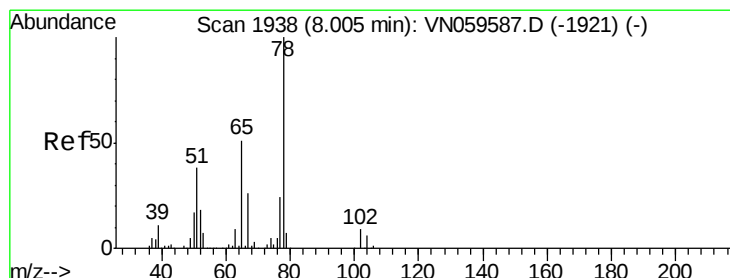
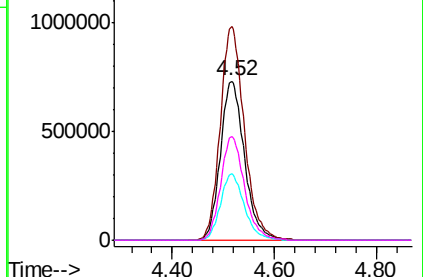
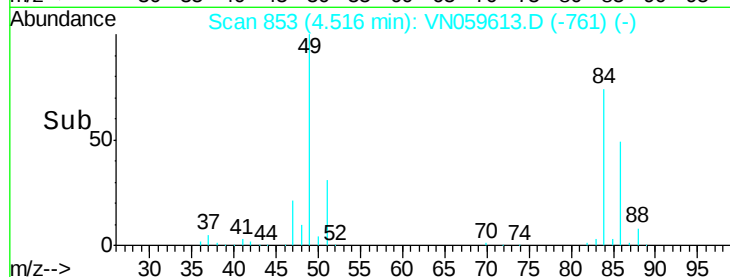


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.678 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059613.D

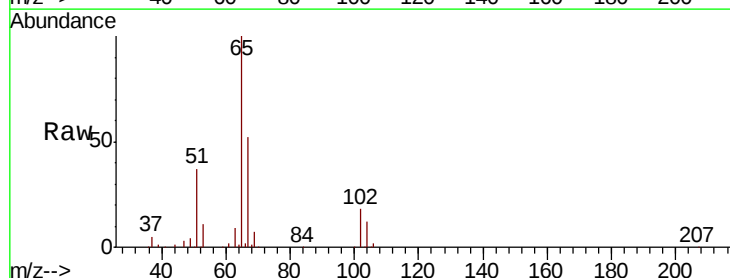
Acq: 16 Dec 2019 19:13

Tgt Ion: 65 Resp: 166926

Ion Ratio Lower Upper

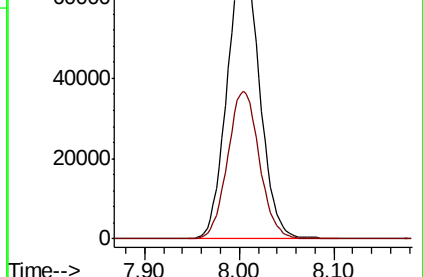
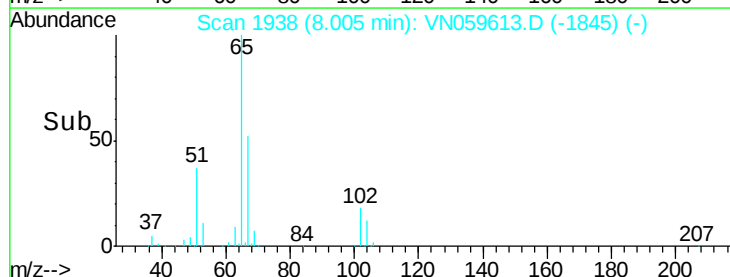
65 100

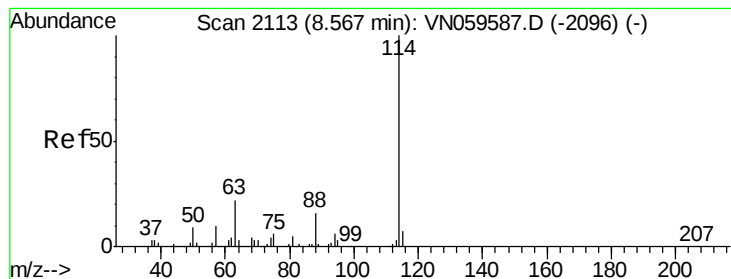
67 51.4 0.0 103.0



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: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

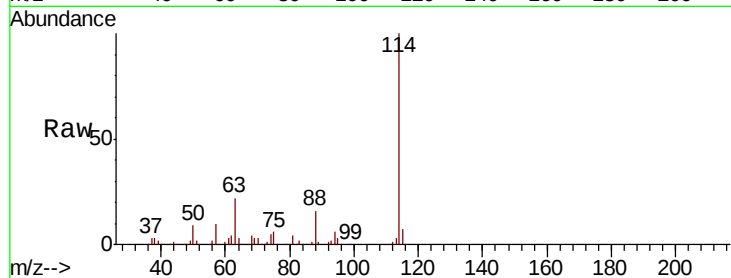
Tot Ion:114 Resp: 366660

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.6

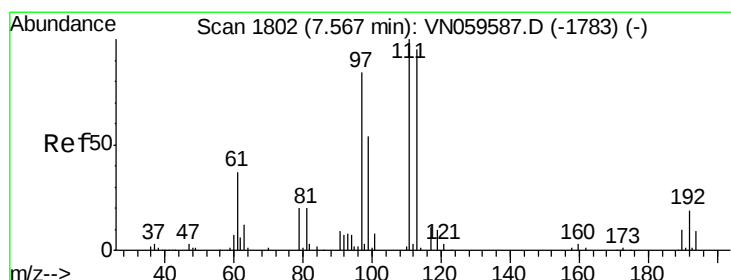
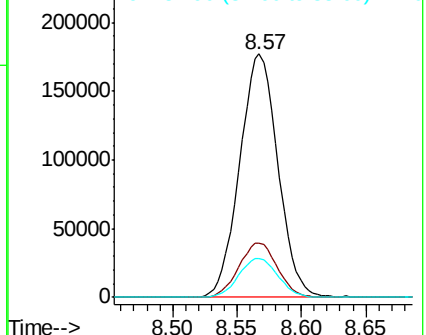
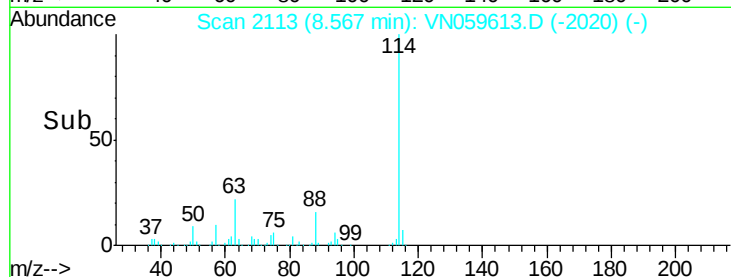
88 16.2 0.0 31.4



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: 51.006 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

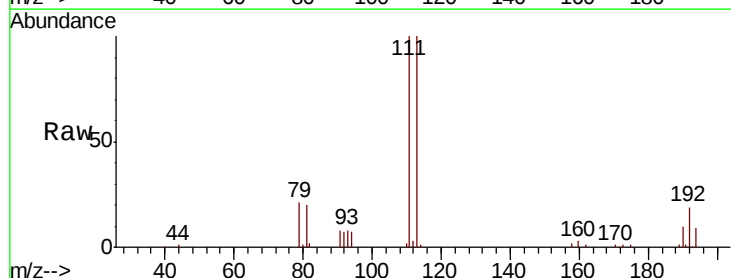
Tgt Ion:113 Resp: 117015

Ion Ratio Lower Upper

113 100

111 103.8 83.5 125.3

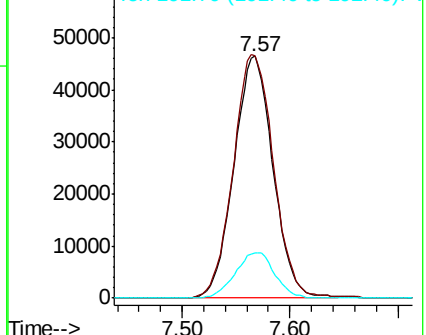
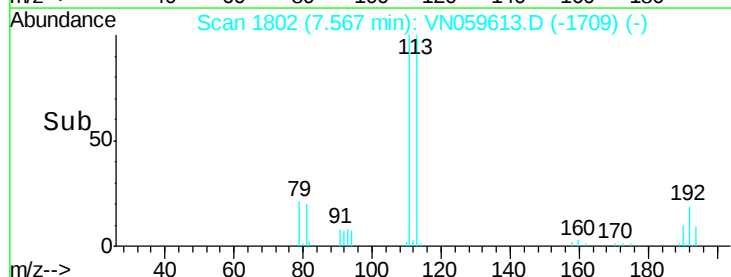
192 19.0 15.4 23.2

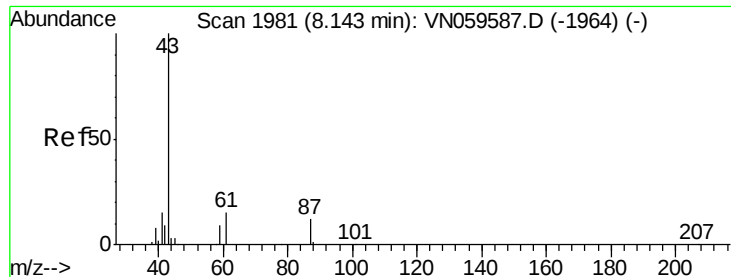


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.915 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

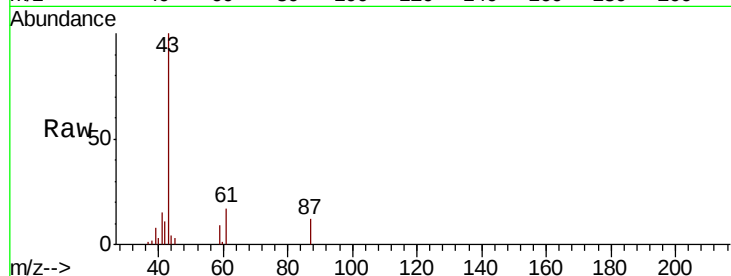
Tot Ion: 43 Resp: 68506

Ion Ratio Lower Upper

43 100

61 18.1 20.2 30.2#

87 11.5 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059613.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059613.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059613.D (-1888) (-)

8.14

40000

30000

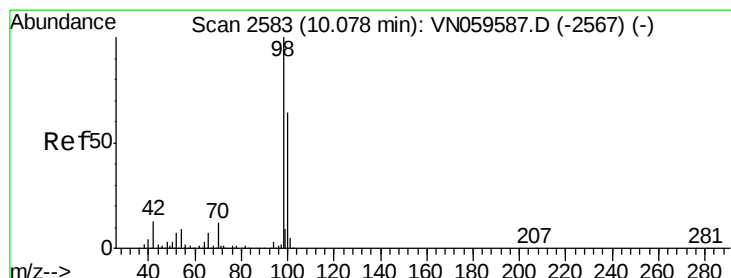
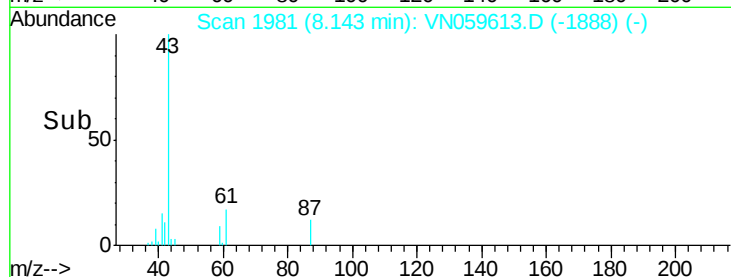
20000

10000

0

Time-->

8.05 8.10 8.15 8.20



#50

Toluene-d8

Concen: 51.382 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059613.D

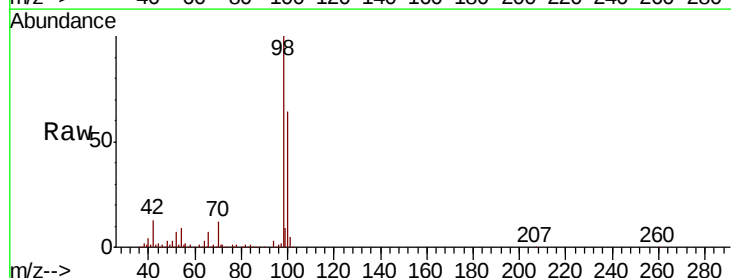
Acq: 16 Dec 2019 19:13

Tgt Ion: 98 Resp: 466696

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059613.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN059613.D (-2490) (-)

10.08

300000

250000

200000

150000

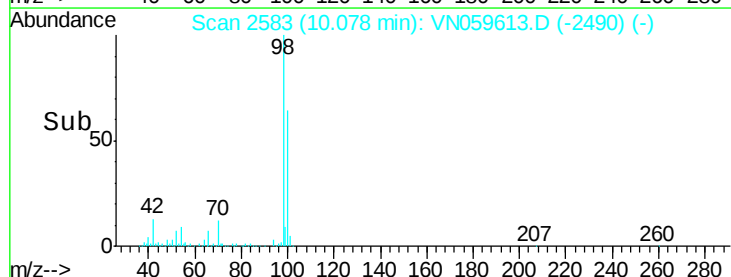
100000

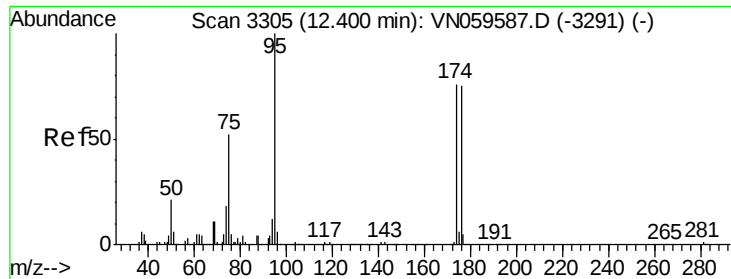
50000

0

Time-->

10.00 10.10 10.20





#62

4-Bromofluorobenzene

Concen: 46.806 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

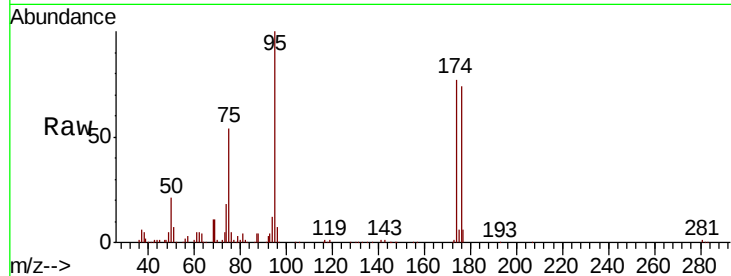
Tot Ion: 95 Resp: 155128

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.4

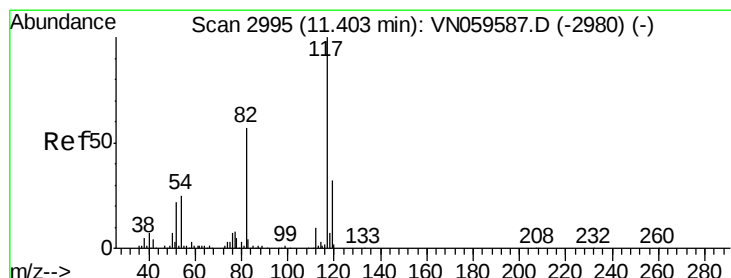
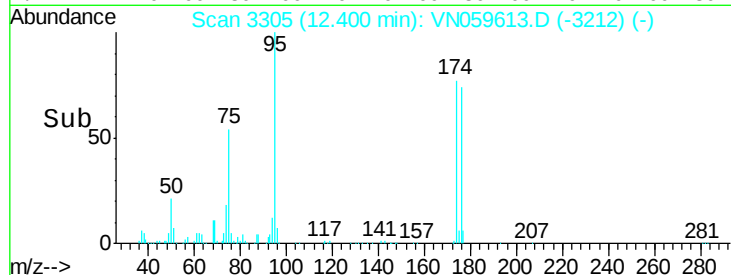
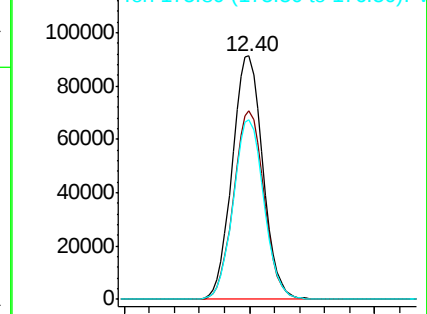
176 73.6 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059613.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059613.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059613.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

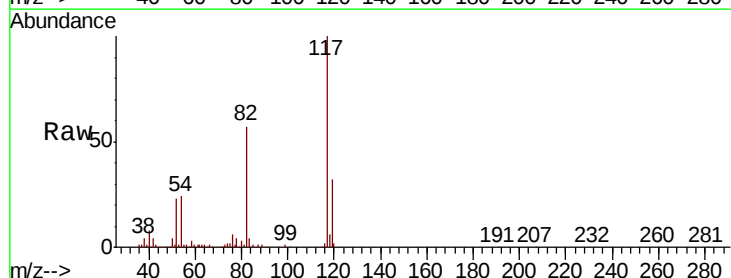
Tgt Ion: 117 Resp: 339882

Ion Ratio Lower Upper

117 100

82 57.0 45.9 68.9

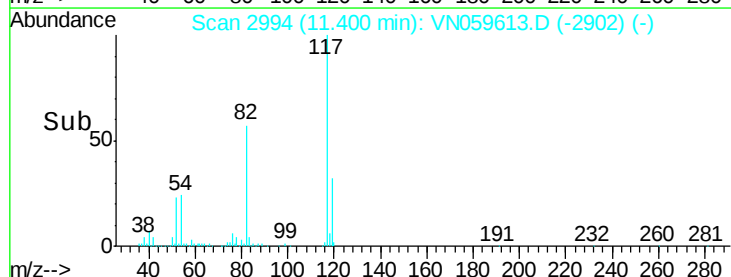
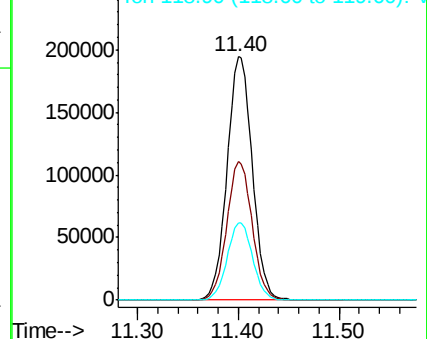
119 31.8 25.5 38.3

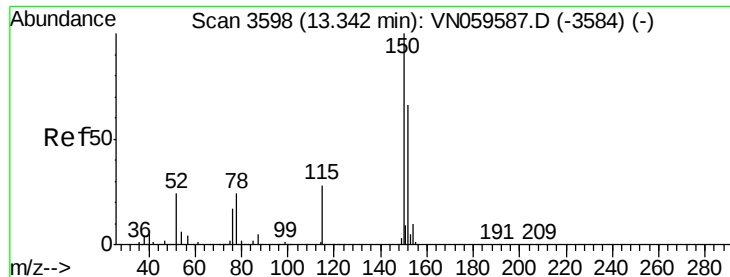


Abundance Ion 116.90 (116.60 to 117.60): VN059613.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059613.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059613.D (-2902) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-121319

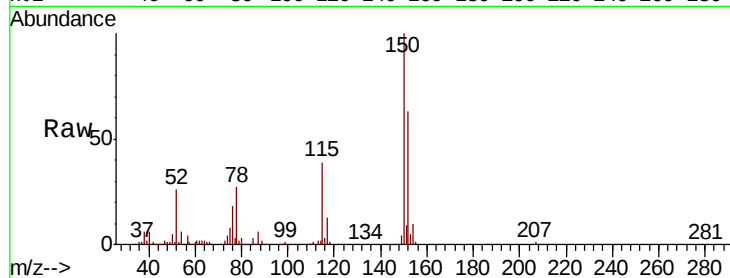
Tot Ion:152 Resp: 135317

Ion Ratio Lower Upper

152 100

115 60.9 30.3 90.9

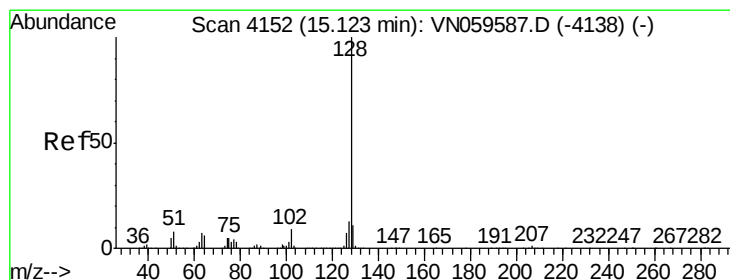
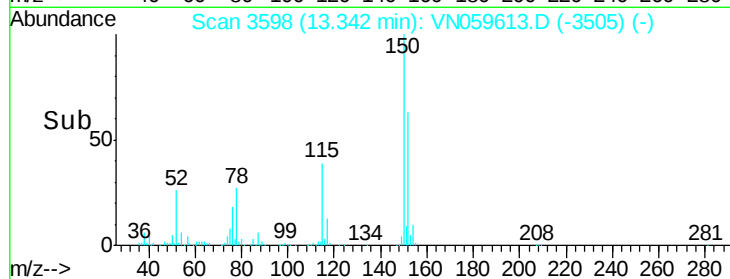
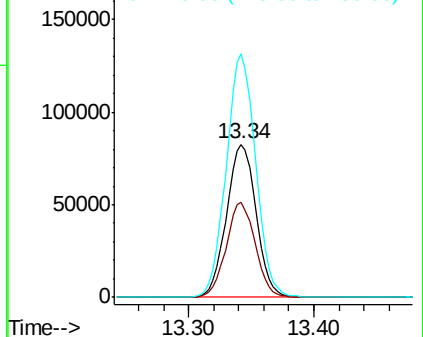
150 158.1 0.0 345.2



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: 1.547 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059613.D

Acq: 16 Dec 2019 19:13

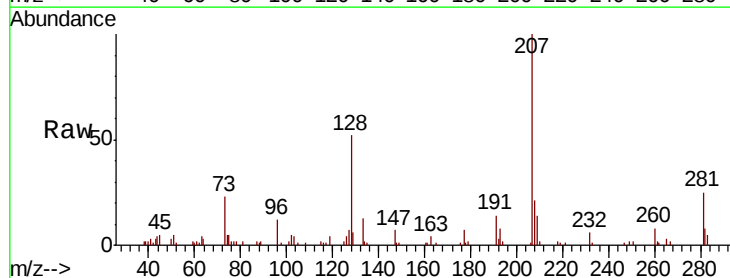
Tgt Ion:128 Resp: 14123

Ion Ratio Lower Upper

128 100

127 12.3 10.4 15.6

129 10.8 8.6 12.8



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

