

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\  
 Data File : VN058532.D  
 Acq On : 4 Oct 2019 12:09  
 Operator : JC/SP  
 Sample : K5169-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB-100119

Quant Time: Oct 05 00:37:20 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

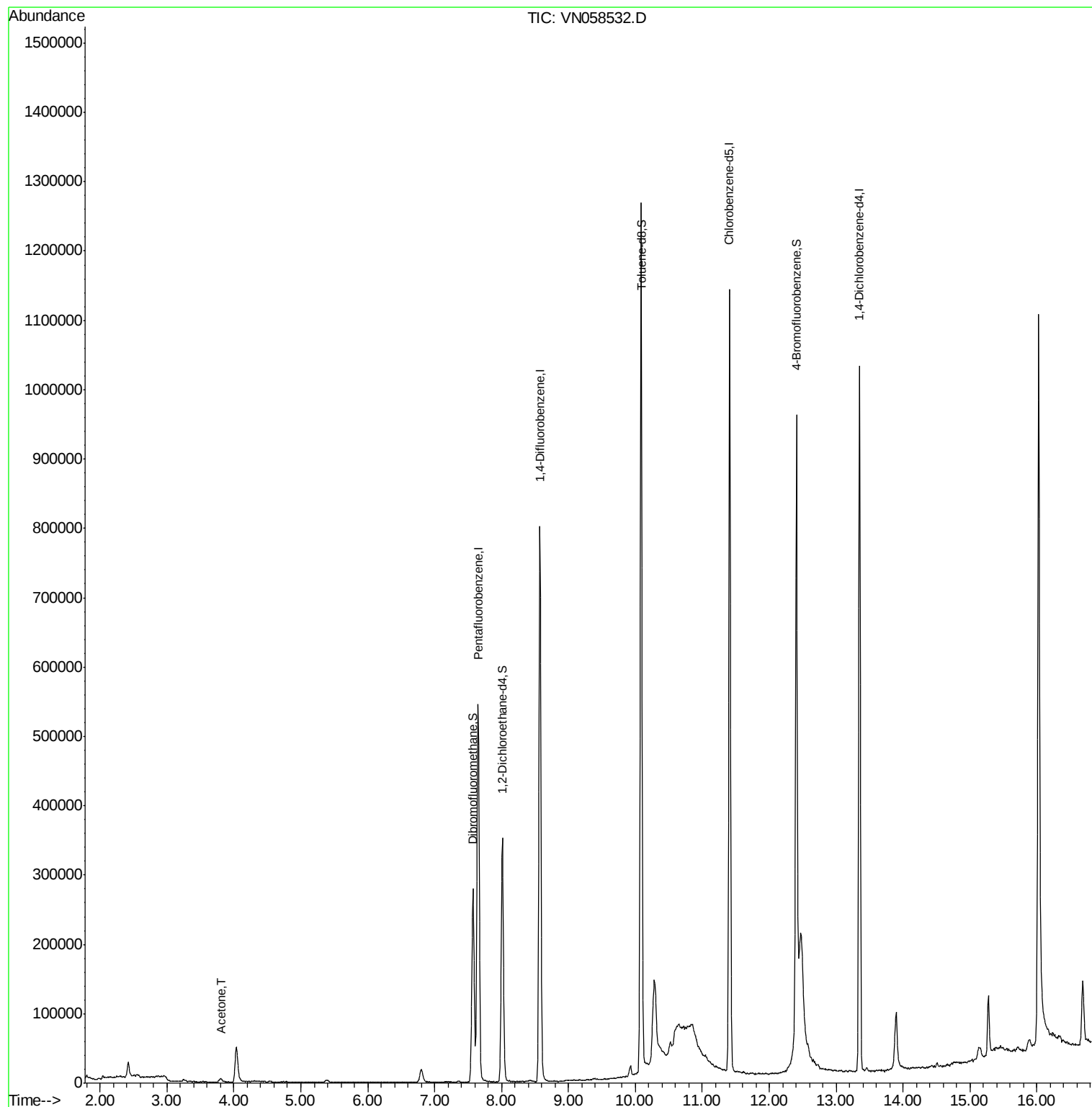
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 427490   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 695708   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 615516   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 255093   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 305900   | 48.97 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.94%  |            |
| 35) Dibromofluoromethane    | 7.57  | 113  | 210591   | 49.39 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.78%  |            |
| 50) Toluene-d8              | 10.08 | 98   | 853591   | 51.10 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.20% |            |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 290512   | 48.10 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.20%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 3.80  | 43   | 9674     | 4.543 | ug/l    | Qvalue 100 |

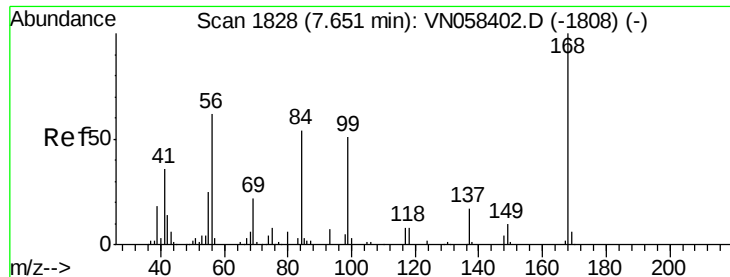
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1828

Delta R.T. -0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

Instrument :

MSVOA\_N

ClientSampleId :

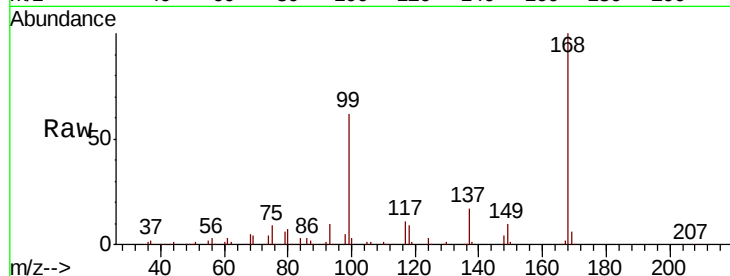
FB-100119

Tot Ion:168 Resp: 427490

Ion Ratio Lower Upper

168 100

99 61.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

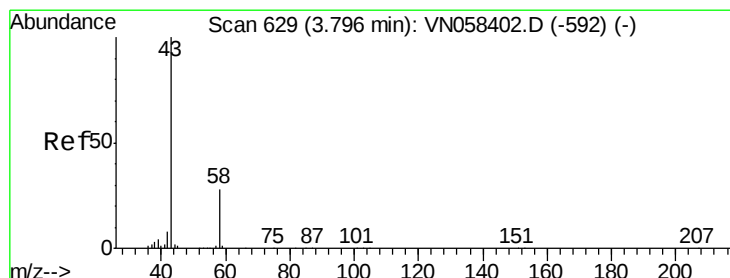
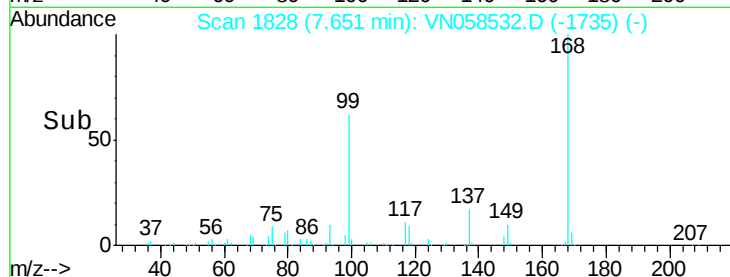
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.543 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058532.D

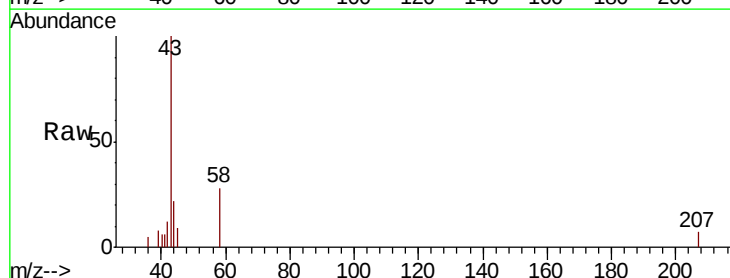
Acq: 4 Oct 2019 12:09

Tgt Ion: 43 Resp: 9674

Ion Ratio Lower Upper

43 100

58 27.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

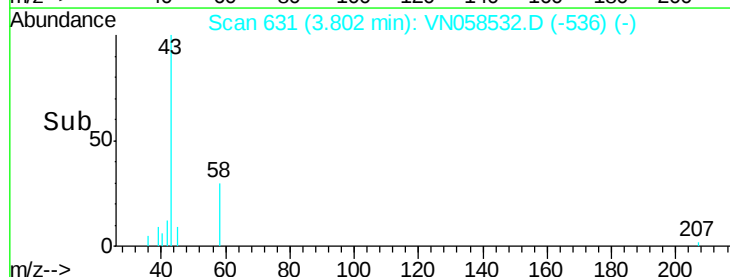
3000

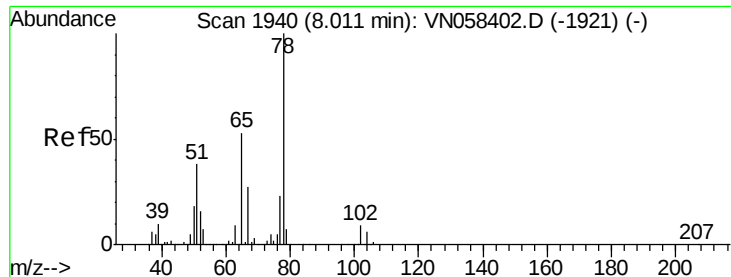
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.967 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

Instrument :

MSVOA\_N

ClientSampleId :

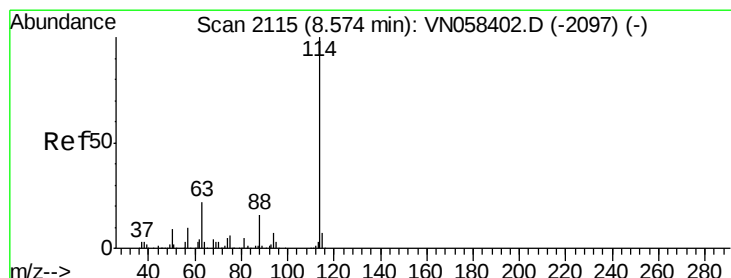
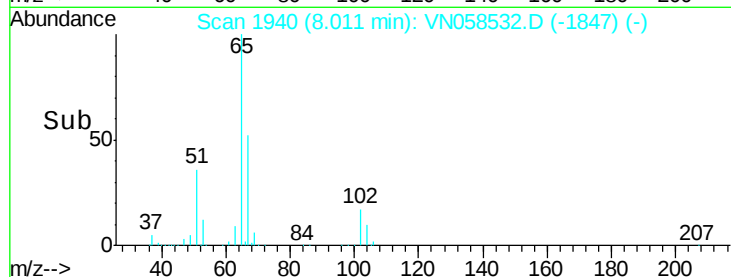
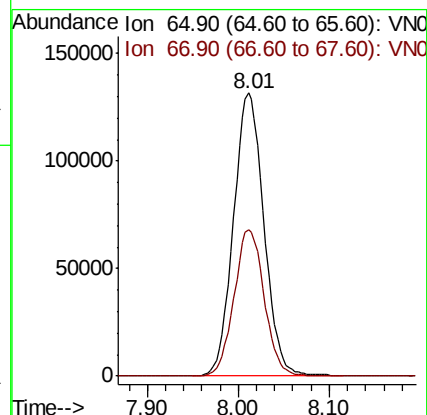
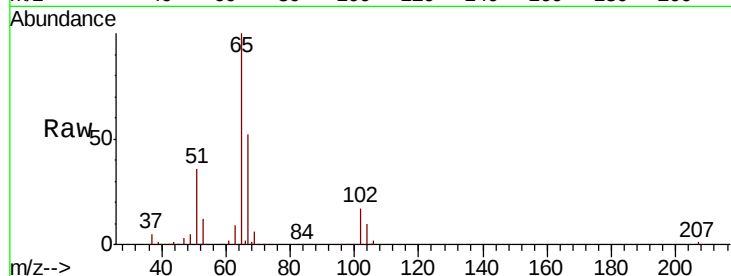
FB-100119

Tot Ion: 65 Resp: 305900

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

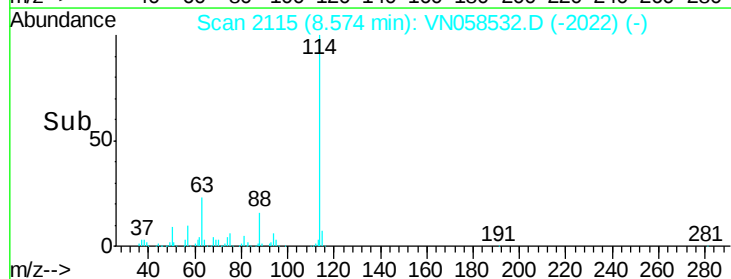
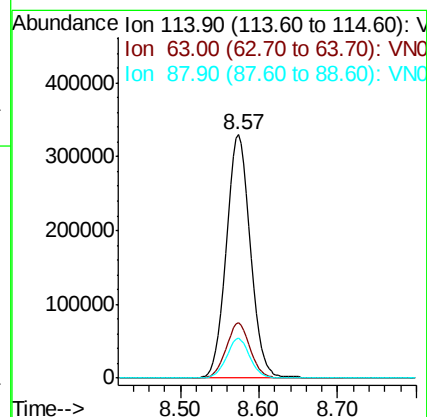
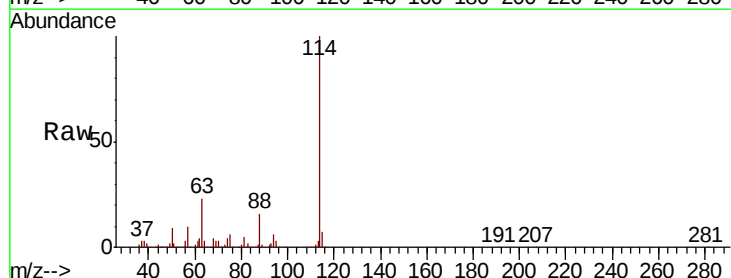
Tgt Ion: 114 Resp: 695708

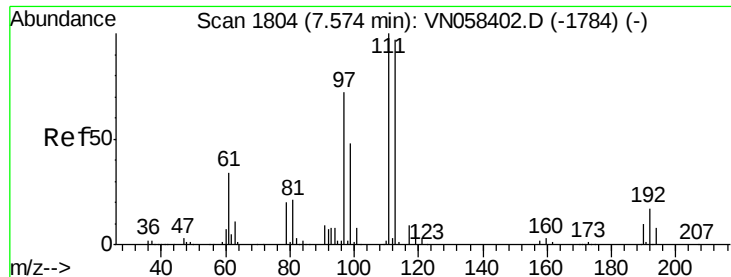
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 16.4 0.0 32.2

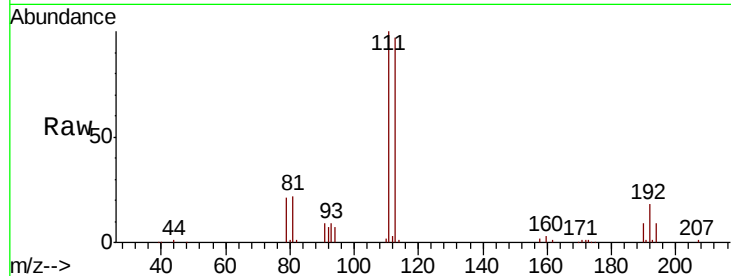




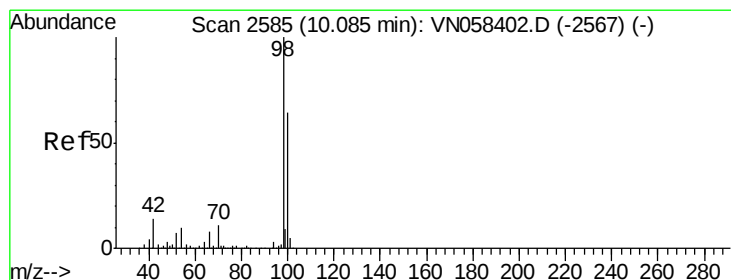
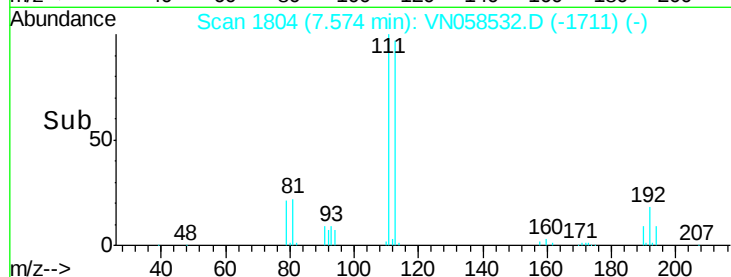
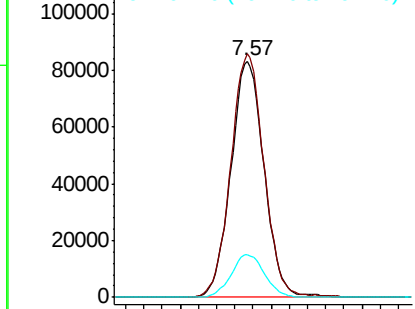
#35  
Dibromofluoromethane  
Concen: 49.389 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN058532.D  
Acq: 4 Oct 2019 12:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
FB-100119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 83.4  | 125.2 |
| 192     | 18.2  | 14.9  | 22.3  |

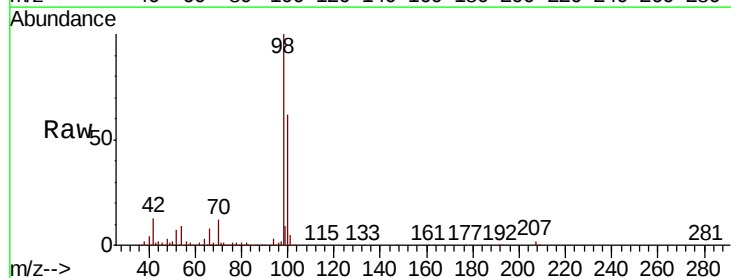


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

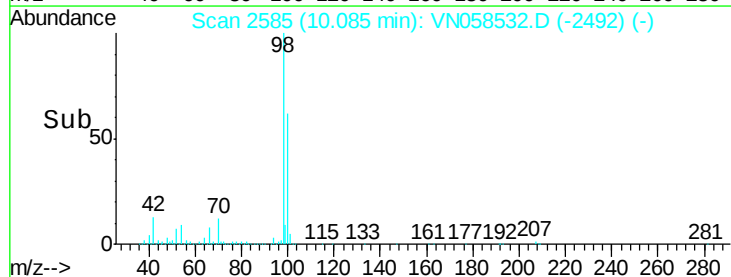
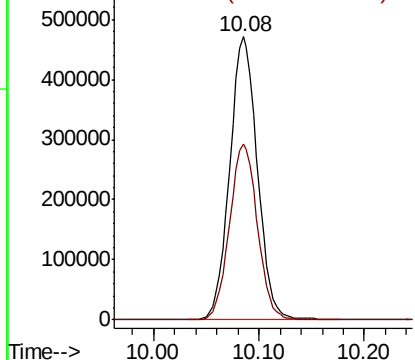


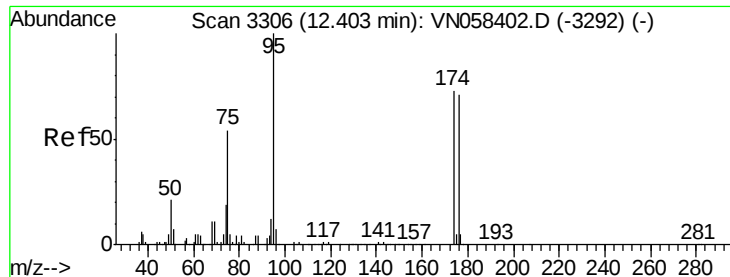
#50  
Toluene-d8  
Concen: 51.102 ug/l  
RT: 10.08 min Scan# 2585  
Delta R.T. -0.00 min  
Lab File: VN058532.D  
Acq: 4 Oct 2019 12:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.6  | 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: 48.100 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

Instrument :

MSVOA\_N

ClientSampleId :

FB-100119

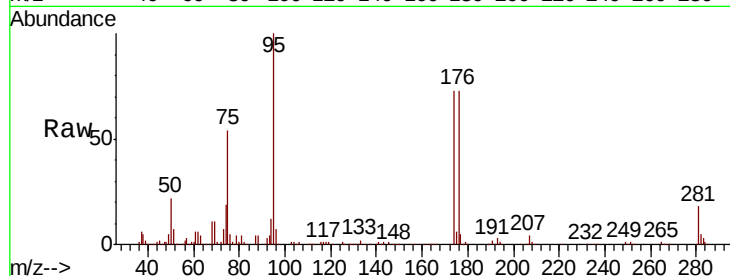
Tot Ion: 95 Resp: 290512

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.6

176 73.0 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

12.41

200000

150000

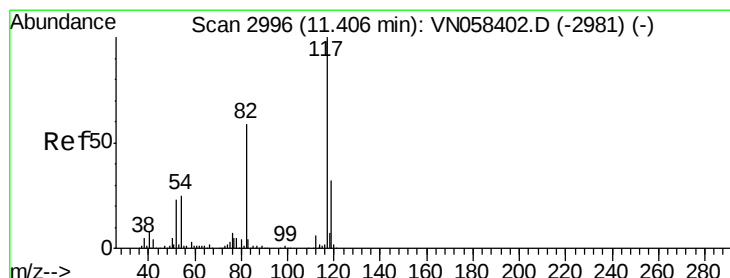
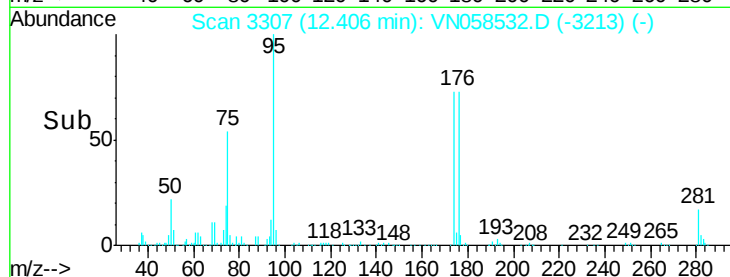
100000

50000

0

12.40 12.50

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

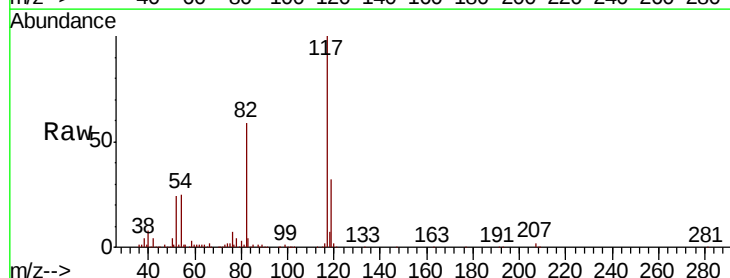
Tgt Ion: 117 Resp: 615516

Ion Ratio Lower Upper

117 100

82 58.5 47.4 71.0

119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

11.41

400000

300000

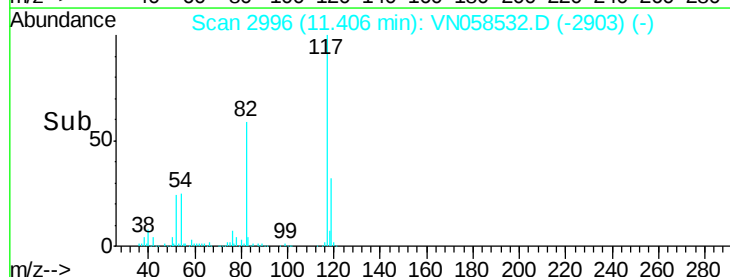
200000

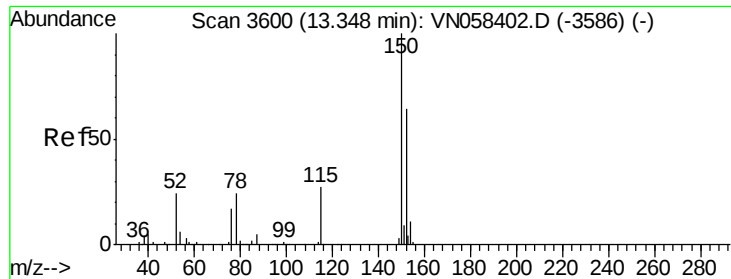
100000

0

11.30 11.40 11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058532.D

Acq: 4 Oct 2019 12:09

Instrument :

MSVOA\_N

ClientSampleId :

FB-100119

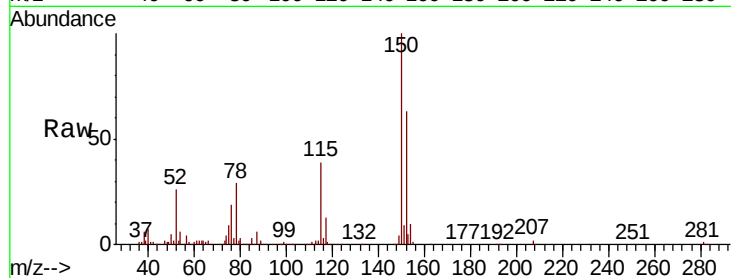
Tot Ion:152 Resp: 255093

Ion Ratio Lower Upper

152 100

115 61.1 30.0 90.0

150 159.2 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

