

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\  
 Data File : VN057255.D  
 Acq On : 13 Aug 2019 19:00  
 Operator : JC/SP  
 Sample : PB122204TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB122204TB

Quant Time: Aug 14 07:15:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 14 06:25:03 2019  
 Response via : Initial Calibration

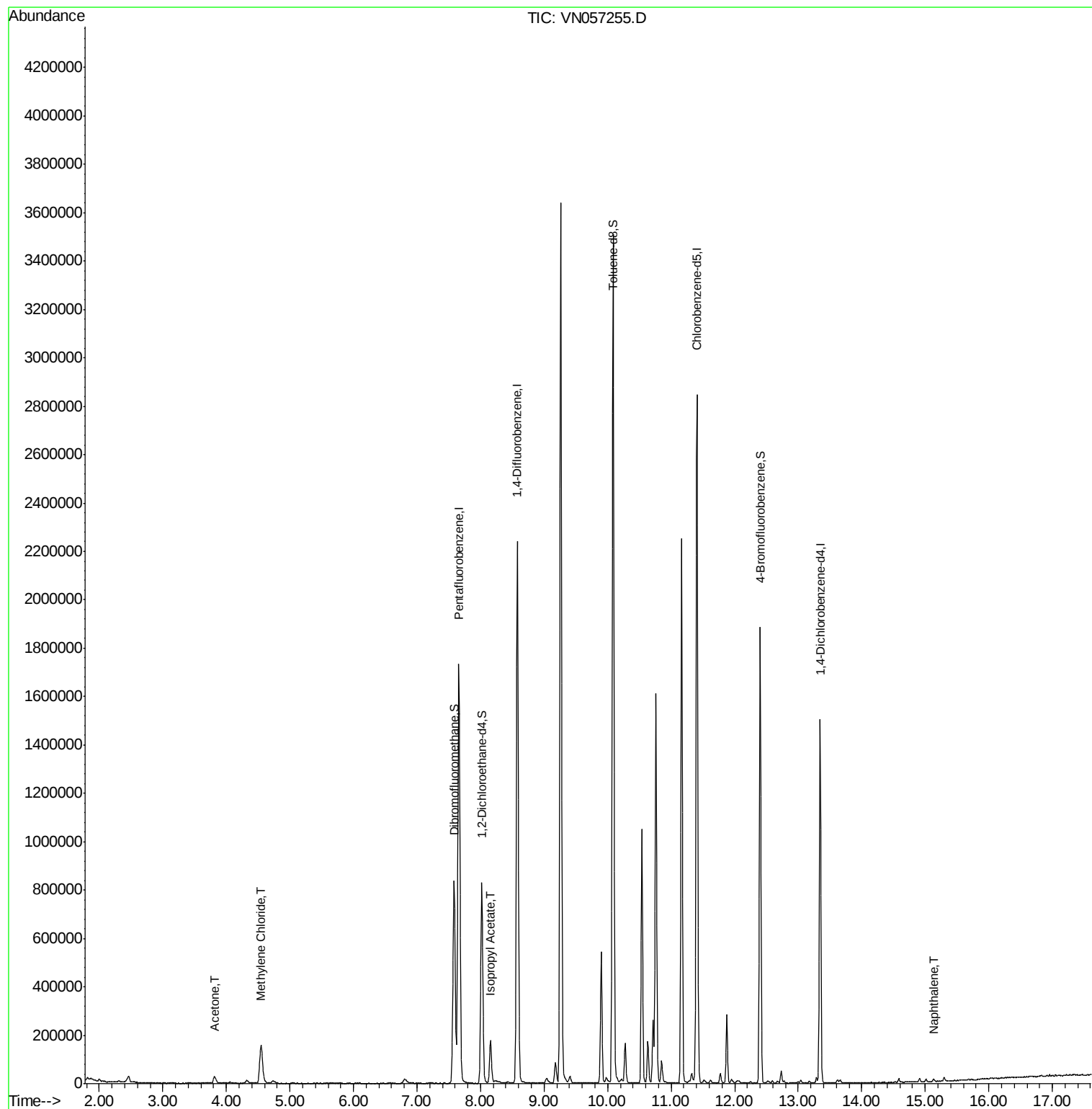
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 1582092  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 2181911  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1831178  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 440717   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 699407   | 43.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.64%  |          |
| 35) Dibromofluoromethane    | 7.58  | 113  | 653981   | 46.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.88%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2553192  | 50.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.48% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 657076   | 37.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.42%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.81  | 43   | 44500    | 8.133 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.54  | 84   | 136382   | 8.533 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 204193   | 8.086 | ug/l #  | 91       |
| 95) Naphthalene             | 15.13 | 128  | 9713     | 1.345 | ug/l    | 97       |

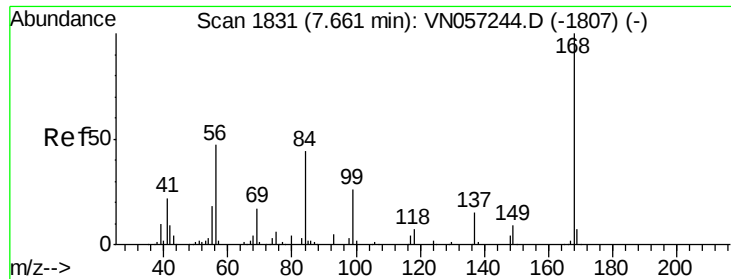
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081319\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081319W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 14 06:25:03 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA\_N

ClientSampleId :

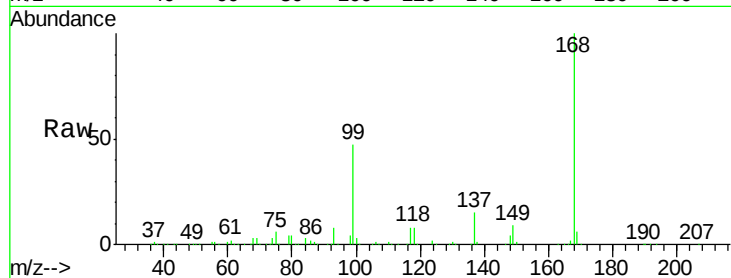
PB122204TB

Tot Ion:168 Resp: 1582092

Ion Ratio Lower Upper

168 100

99 47.5 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): VN057244.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN057244.D (-1807) (-)

7.66

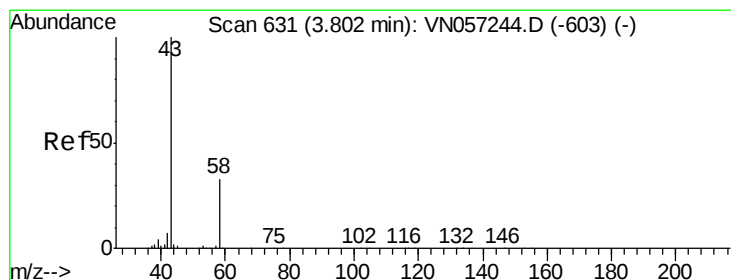
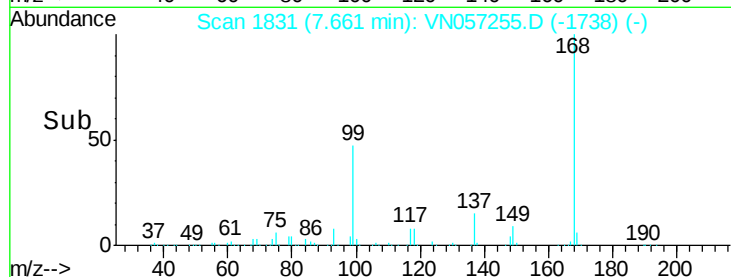
600000

400000

200000

0

Time-->



#16

Acetone

Concen: 8.133 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN057255.D

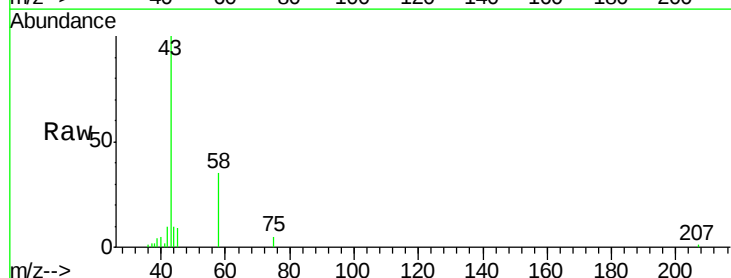
Acq: 13 Aug 2019 19:00

Tgt Ion: 43 Resp: 44500

Ion Ratio Lower Upper

43 100

58 34.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057244.D (-603) (-)

3.81

20000

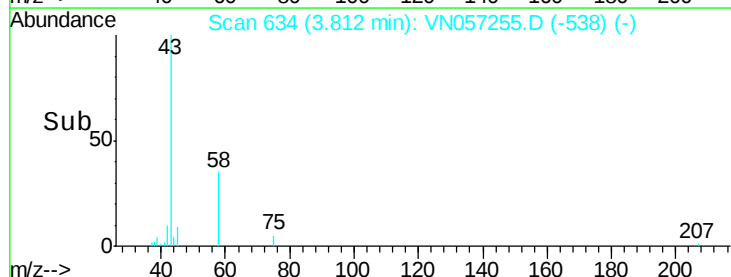
15000

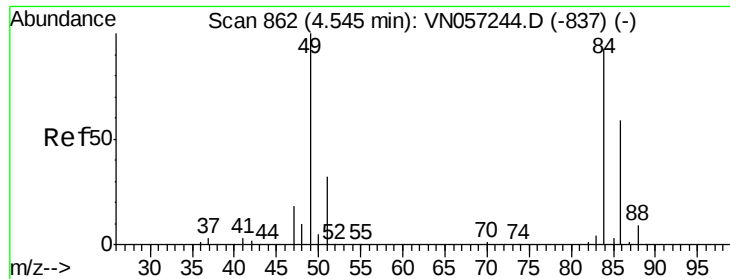
10000

5000

0

Time-->

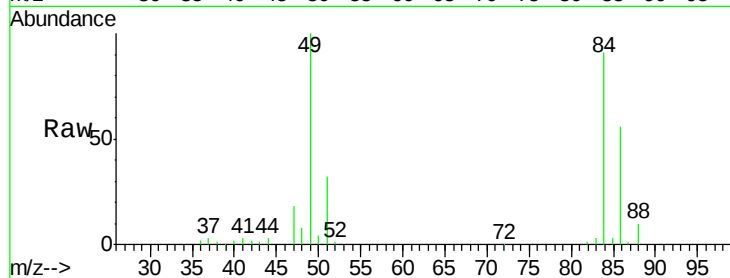




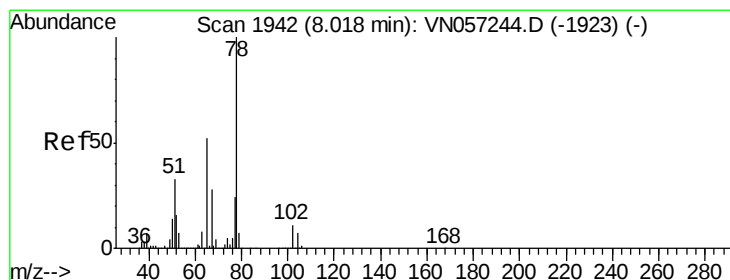
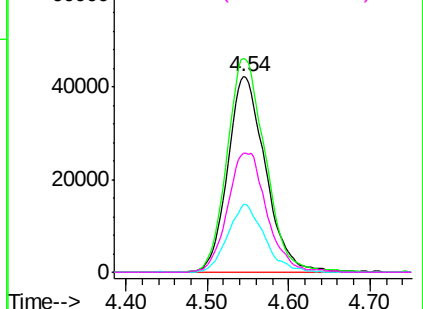
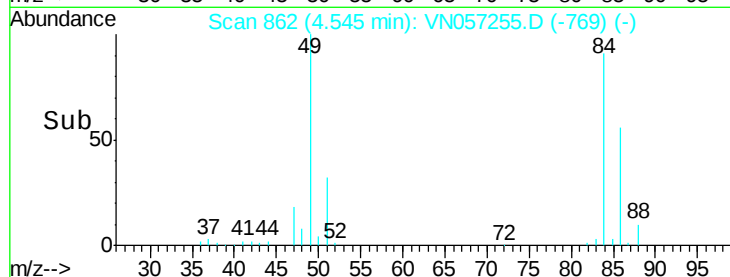
#20  
Methylene Chloride  
Concen: 8.533 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN057255.D  
Acq: 13 Aug 2019 19:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB122204TB

Tot Ion: 84 Resp: 136382  
Ion Ratio Lower Upper  
84 100  
49 109.0 85.9 128.9  
51 35.1 27.1 40.7  
86 60.8 51.0 76.6

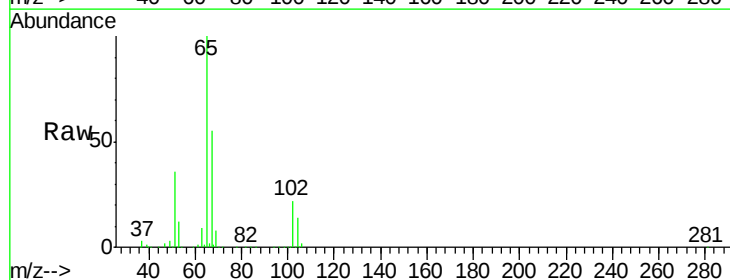


Abundance Ion 83.90 (83.60 to 84.60): VNC  
Ion 48.90 (48.60 to 49.60): VNC  
Ion 50.90 (50.60 to 51.60): VNC  
Ion 85.90 (85.60 to 86.60): VNC

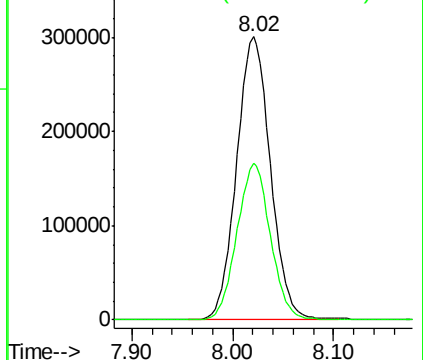
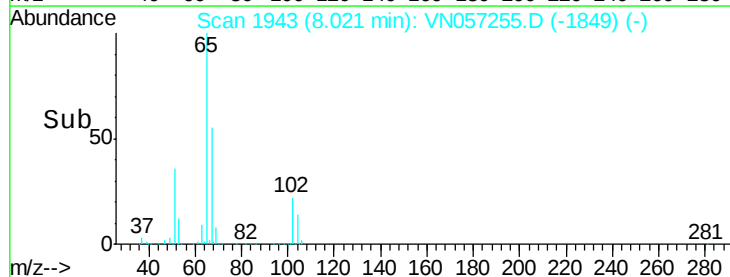


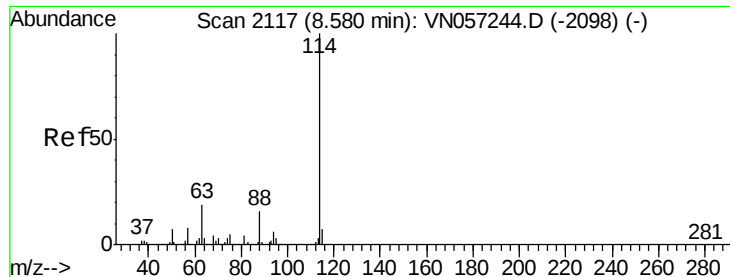
#33  
1,2-Dichloroethane-d4  
Concen: 43.823 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN057255.D  
Acq: 13 Aug 2019 19:00

Tgt Ion: 65 Resp: 699407  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VNC  
Ion 66.90 (66.60 to 67.60): VNC

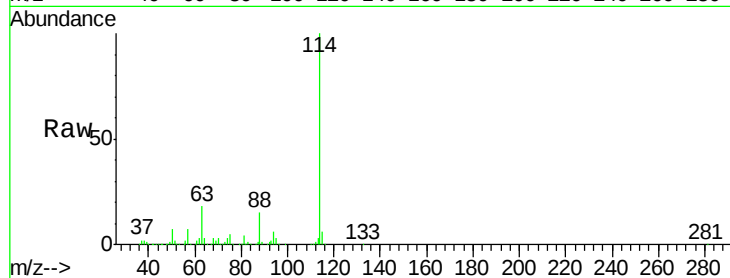




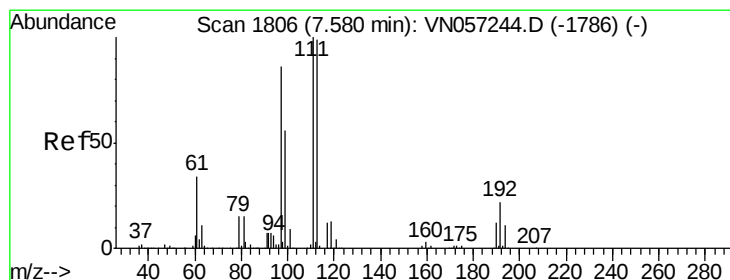
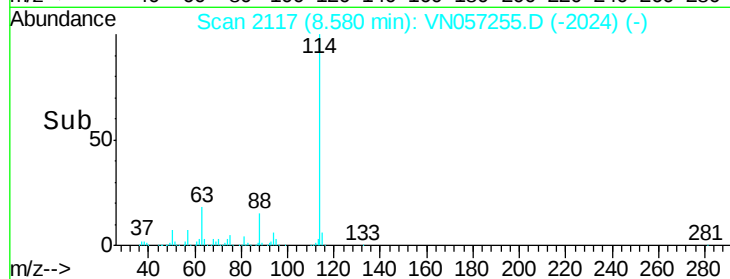
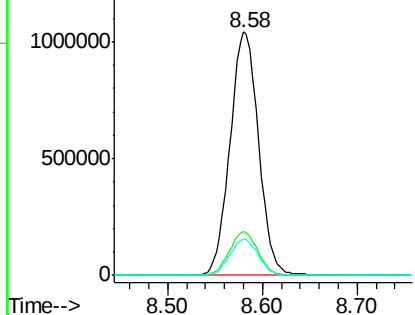
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: VN057255.D  
 Acq: 13 Aug 2019 19:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB122204TB

Tot Ion:114 Resp: 2181911  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 37.0  
 88 15.0 0.0 31.0

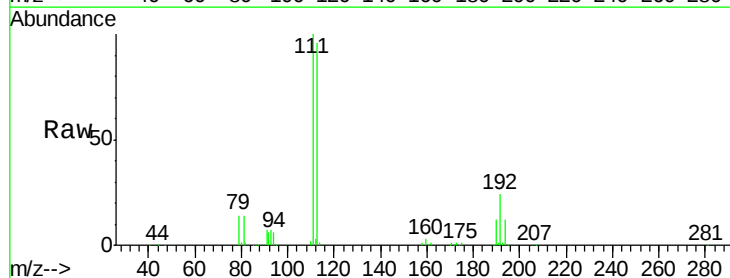


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

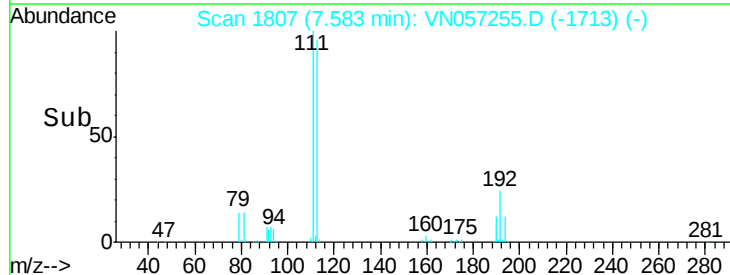
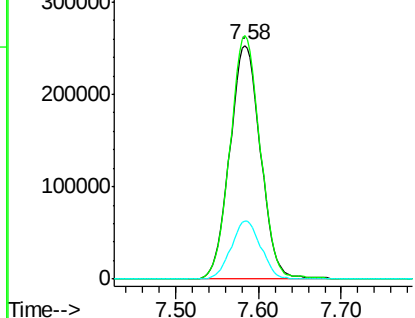


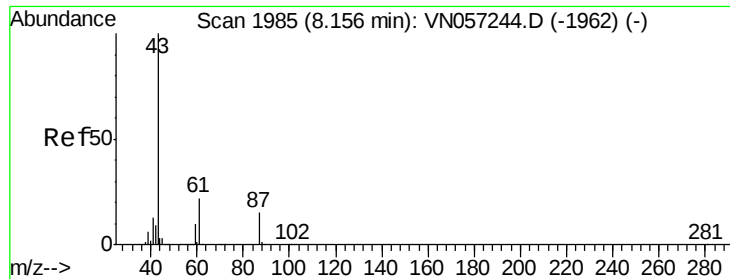
#35  
 Dibromofluoromethane  
 Concen: 46.941 ug/l  
 RT: 7.58 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN057255.D  
 Acq: 13 Aug 2019 19:00

Tgt Ion:113 Resp: 653981  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 81.4 122.2  
 192 24.0 18.8 28.2



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: 8.086 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA\_N

ClientSampleId :

PB122204TB

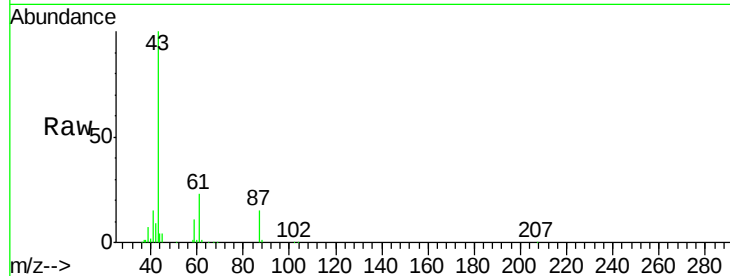
Tot Ion: 43 Resp: 204193

Ion Ratio Lower Upper

43 100

61 21.8 23.5 35.3#

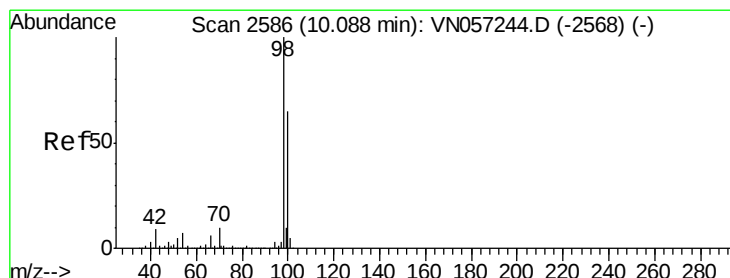
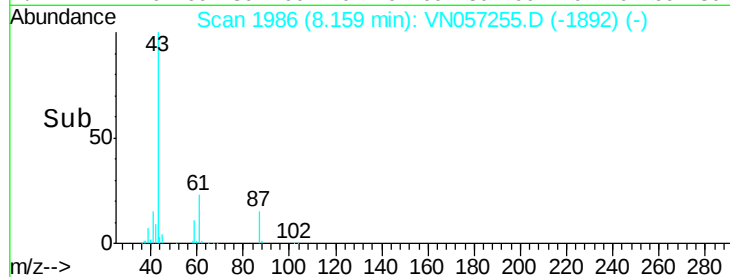
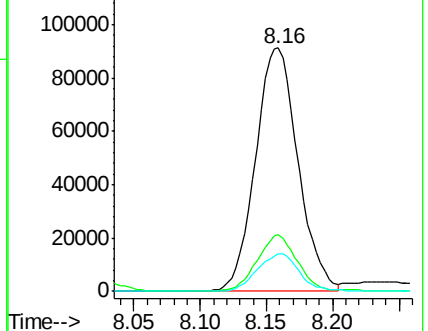
87 15.2 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VN057244.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN057244.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN057244.D (-1962) (-)



#50

Toluene-d8

Concen: 50.245 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN057255.D

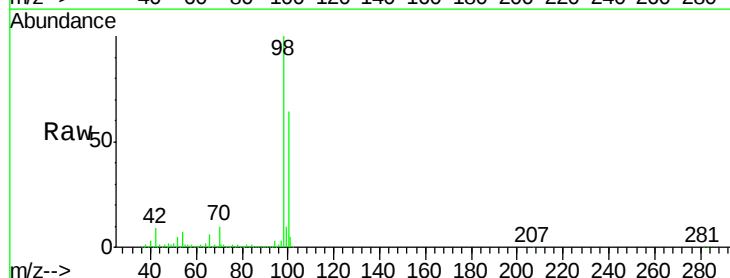
Acq: 13 Aug 2019 19:00

Tgt Ion: 98 Resp: 2553192

Ion Ratio Lower Upper

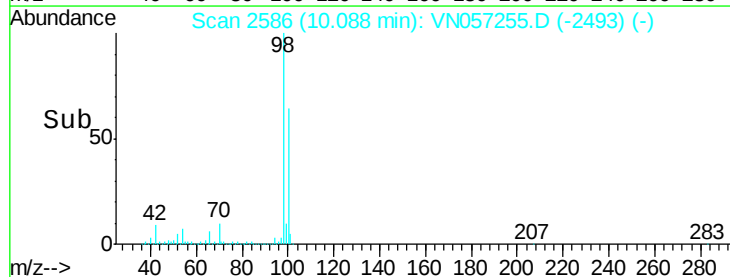
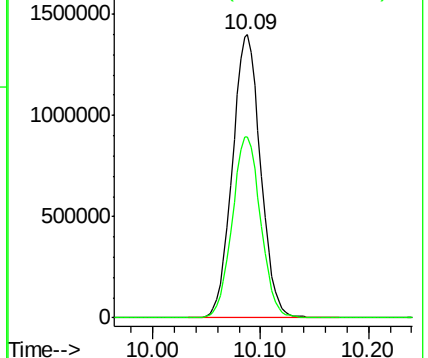
98 100

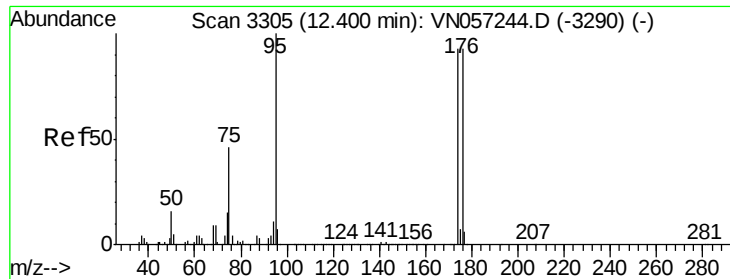
100 64.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN057244.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN057244.D (-2568) (-)

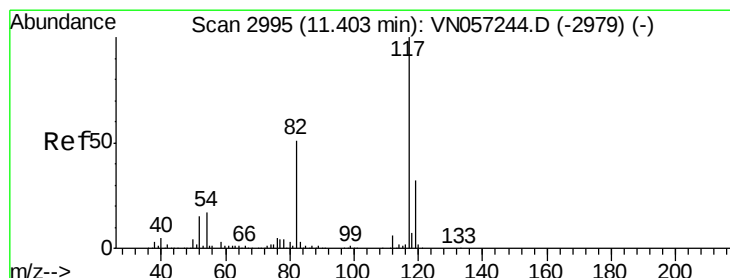
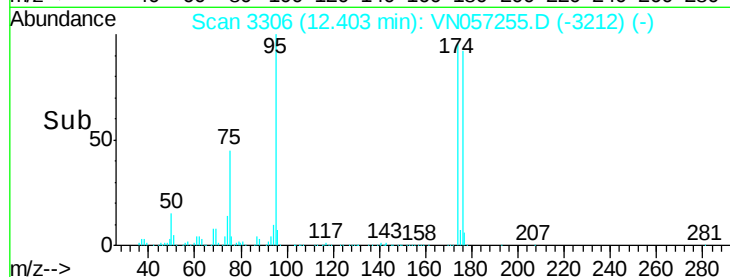
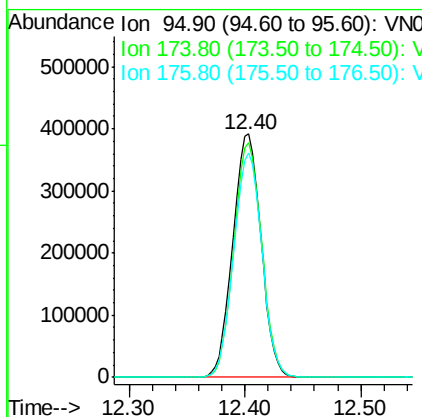
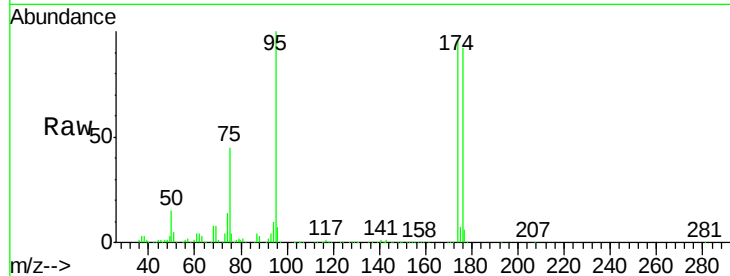




#62  
4-Bromofluorobenzene  
Concen: 37.705 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057255.D  
Acq: 13 Aug 2019 19:00

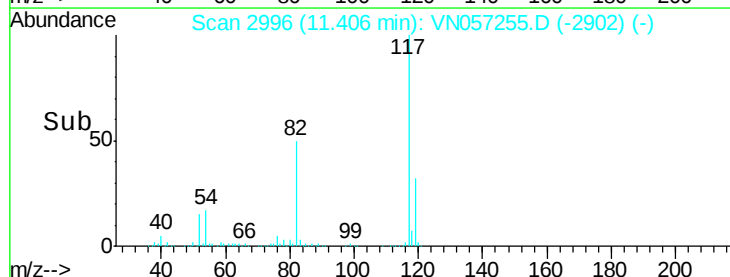
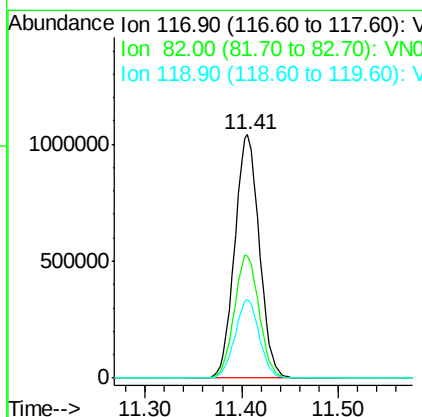
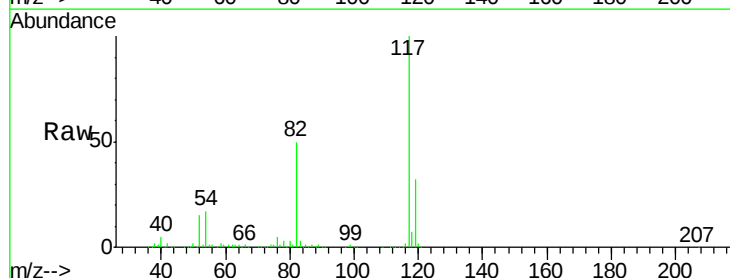
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB122204TB

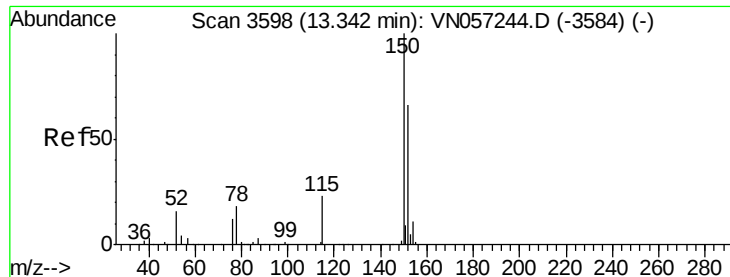
Tot Ion: 95 Resp: 657076  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 187.6  
176 91.8 0.0 185.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057255.D  
Acq: 13 Aug 2019 19:00

Tgt Ion: 117 Resp: 1831178  
Ion Ratio Lower Upper  
117 100  
82 50.3 40.9 61.3  
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

Instrument :

MSVOA\_N

ClientSampled :

PB122204TB

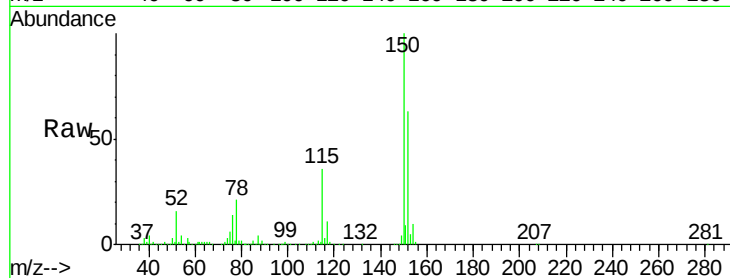
Tot Ion:152 Resp: 440717

Ion Ratio Lower Upper

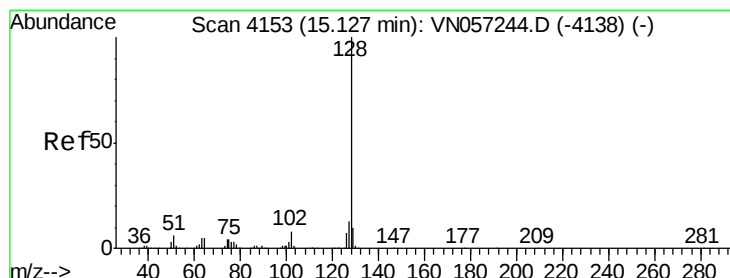
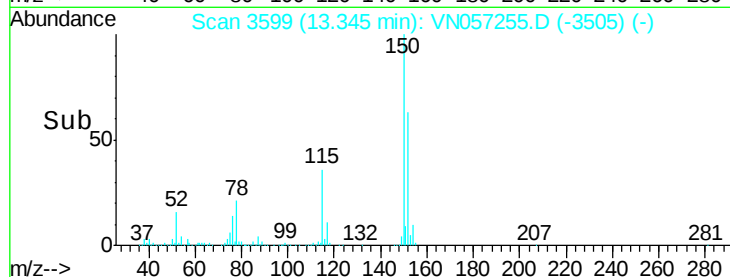
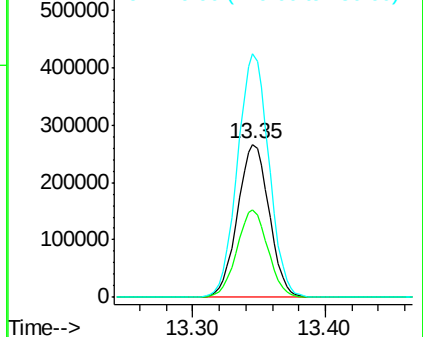
152 100

115 55.7 27.6 82.8

150 157.9 0.0 348.4



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: 1.345 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057255.D

Acq: 13 Aug 2019 19:00

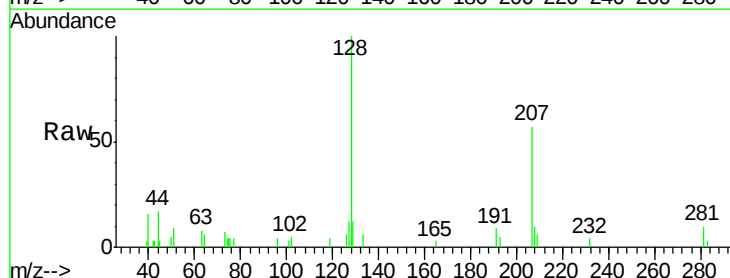
Tgt Ion:128 Resp: 9713

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 8.8 8.5 12.7



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

