

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\  
 Data File : VN060257.D  
 Acq On : 26 Feb 2020 17:28  
 Operator : JC/MD  
 Sample : PB127076ZHE#03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127076ZHE#03

Quant Time: Feb 27 05:49:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

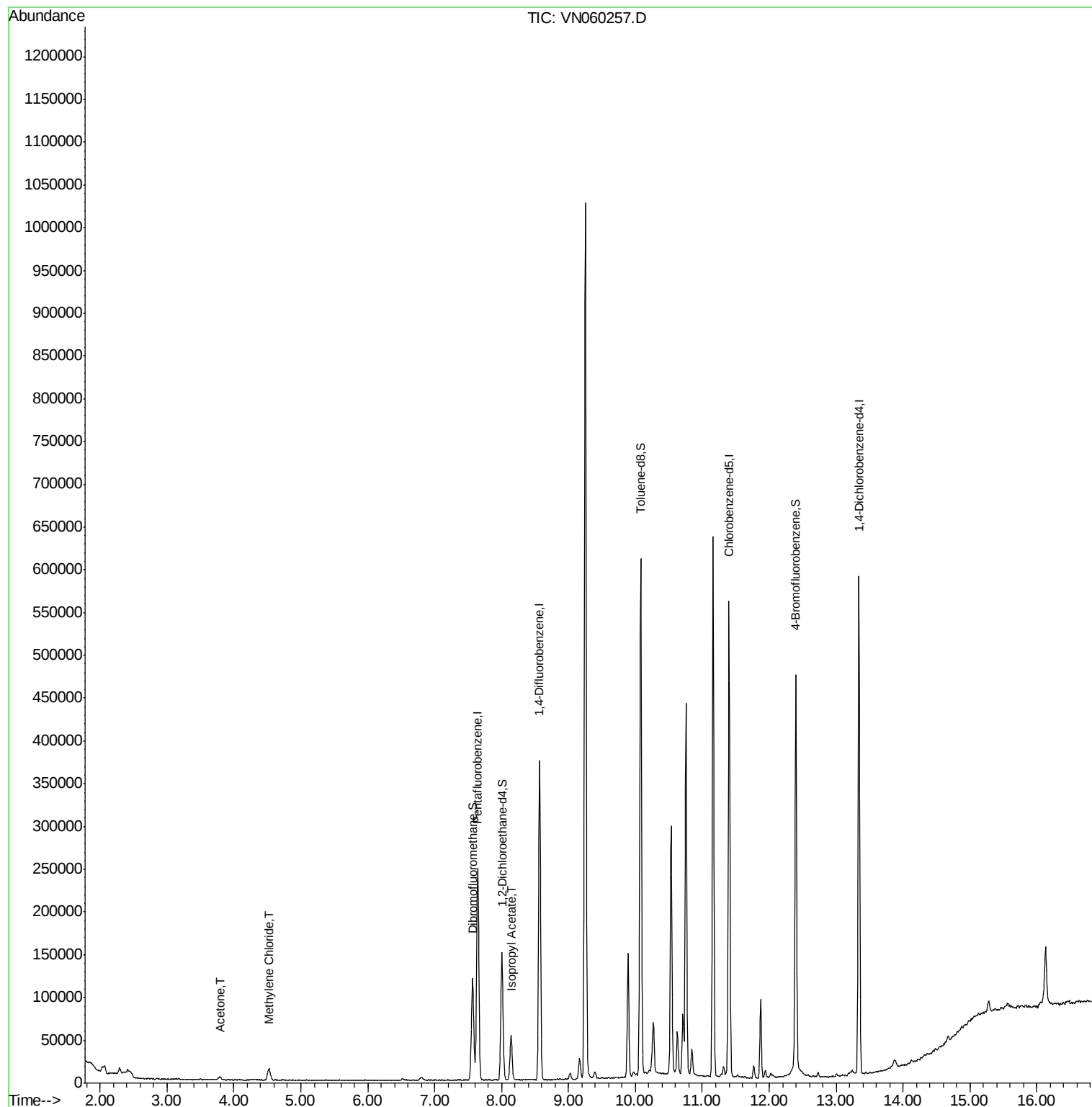
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 201383   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 328148   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 312091   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 155664   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 128810   | 52.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.14% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 89978    | 44.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.22%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 404228   | 50.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.78% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 155964   | 53.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.86% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 6440     | 6.025  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.53  | 84   | 10146    | 4.758  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 60559    | 12.897 | ug/l #  | 90       |

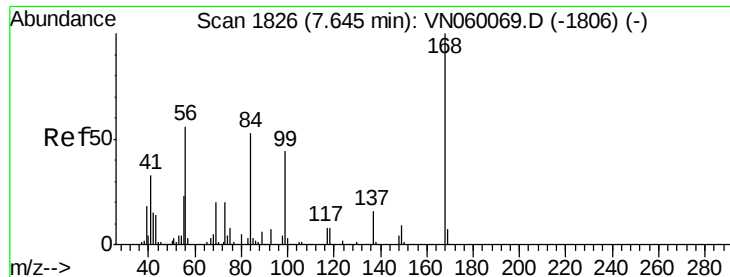
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060257.D

Acq: 26 Feb 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

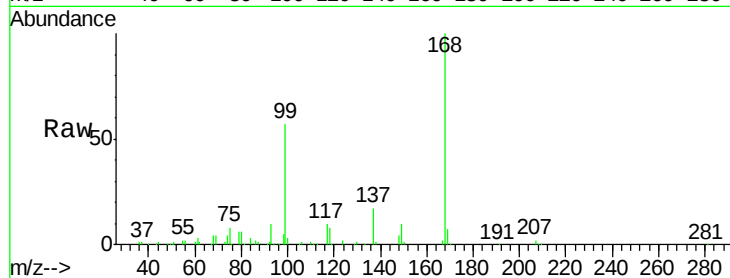
PB127076ZHE#03

Tot Ion:168 Resp: 201383

Ion Ratio Lower Upper

168 100

99 56.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

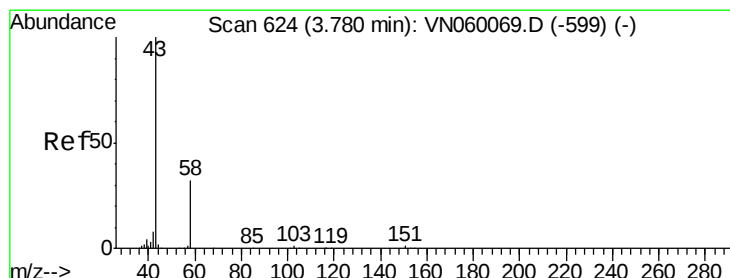
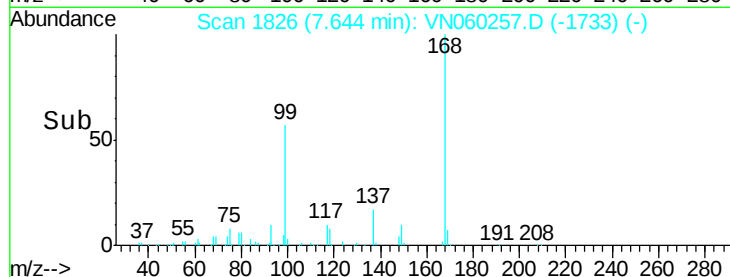
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 6.025 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060257.D

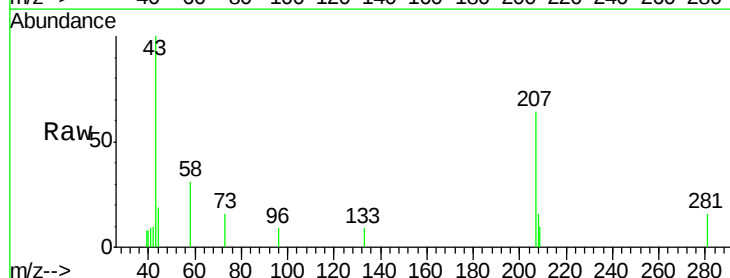
Acq: 26 Feb 2020 17:28

Tgt Ion: 43 Resp: 6440

Ion Ratio Lower Upper

43 100

58 31.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

2500

2000

1500

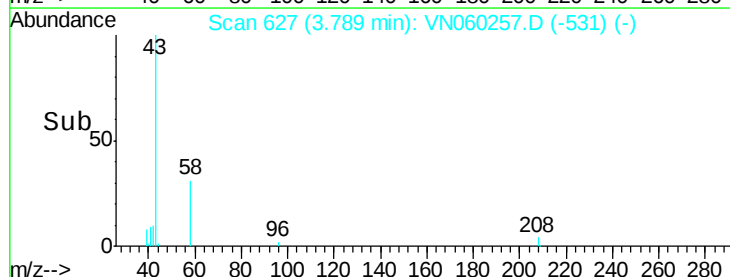
1000

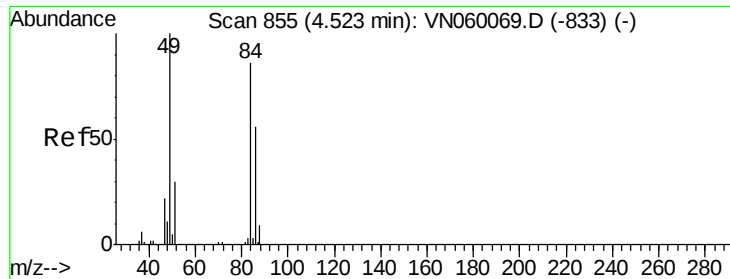
500

0

3.70 3.80 3.90

Time-->

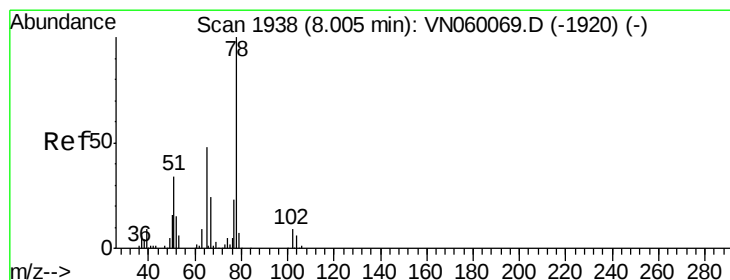
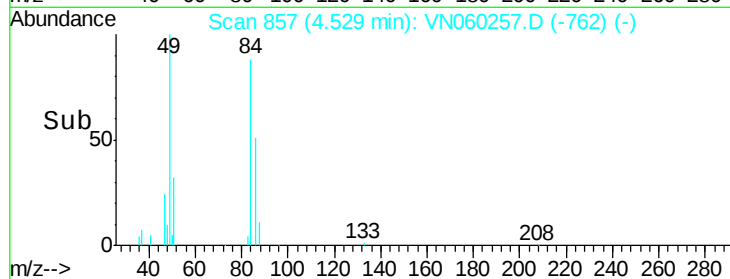
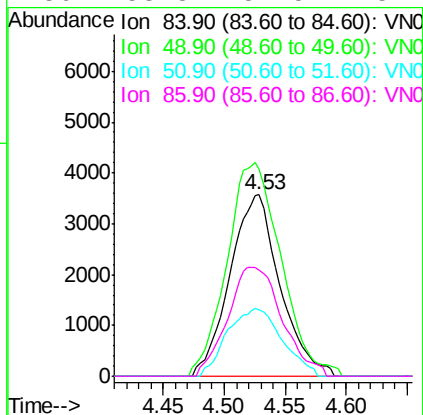
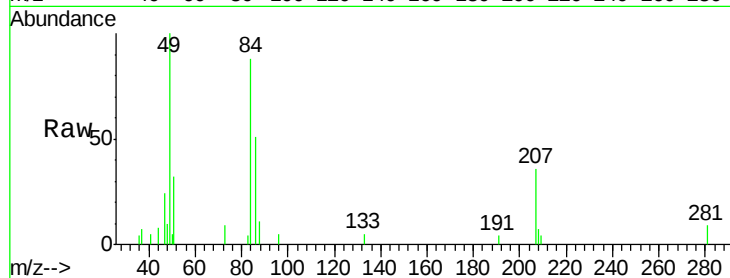




#20  
Methylene Chloride  
Concen: 4.758 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: VN060257.D  
Acq: 26 Feb 2020 17:28

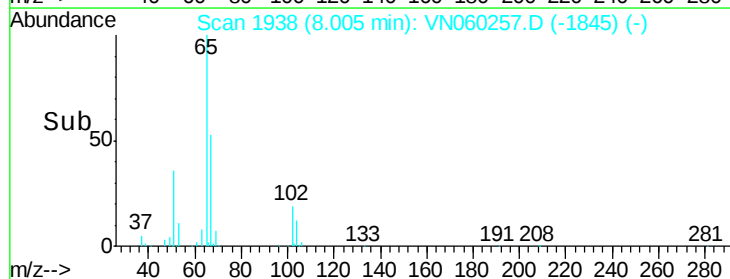
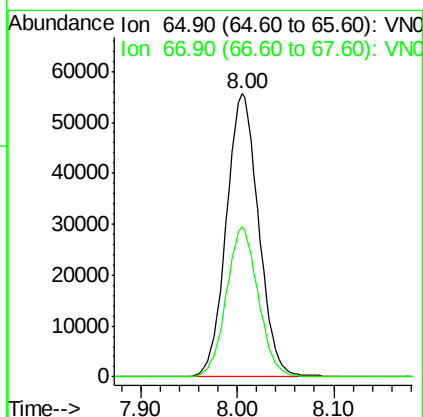
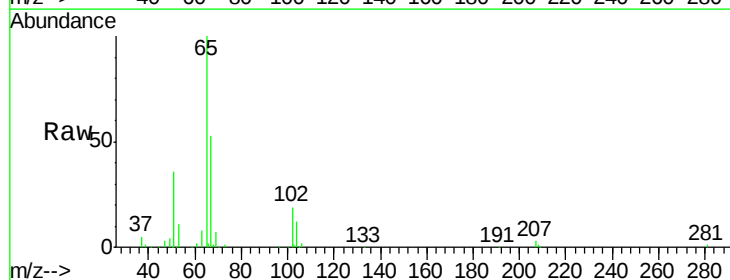
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127076ZHE#03

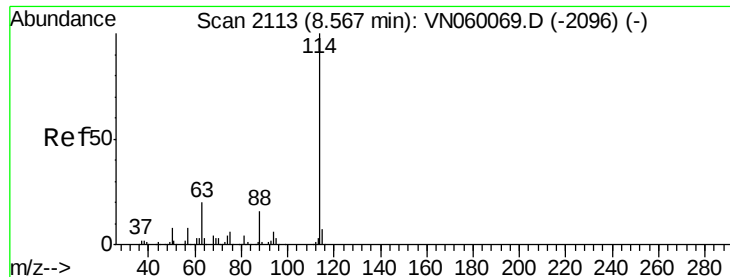
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 10146 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.2 | 93.4  | 140.0 |
| 51       | 36.8  | 28.4  | 42.6  |
| 86       | 58.8  | 52.5  | 78.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 52.565 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: VN060257.D  
Acq: 26 Feb 2020 17:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 128810 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.2  | 0.0   | 104.0  |

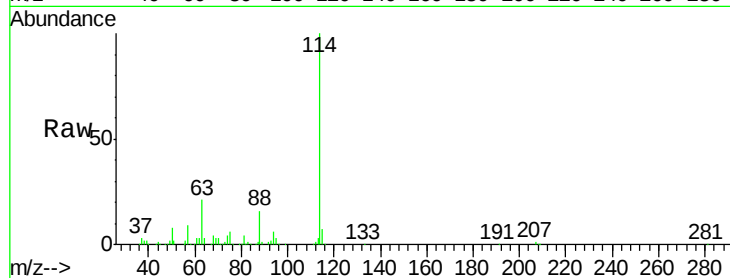




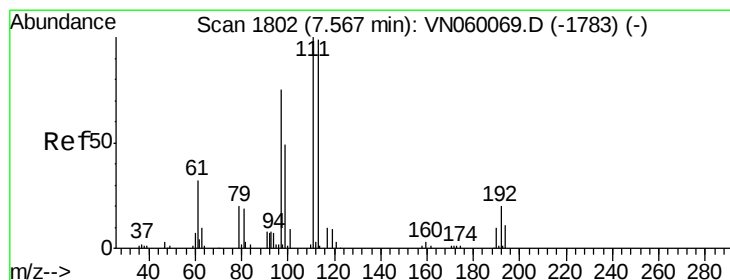
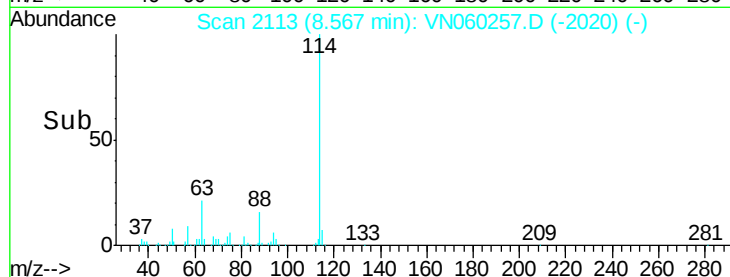
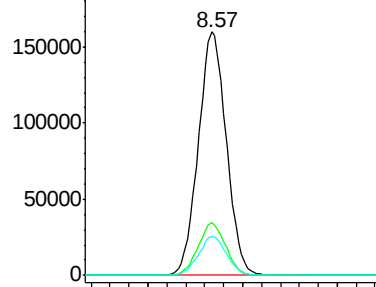
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060257.D  
 Acq: 26 Feb 2020 17:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127076ZHE#03

Tot Ion:114 Resp: 328148  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 40.0  
 88 16.2 0.0 31.6

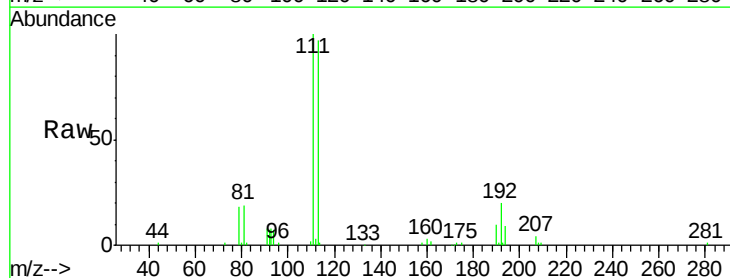


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

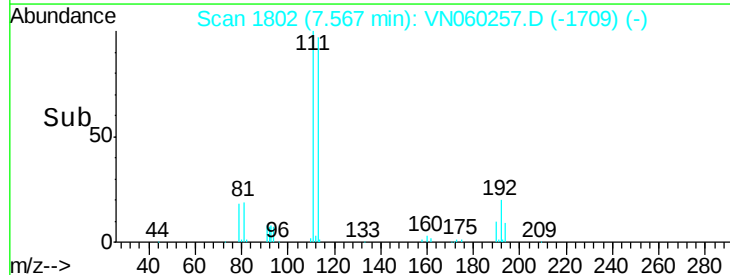
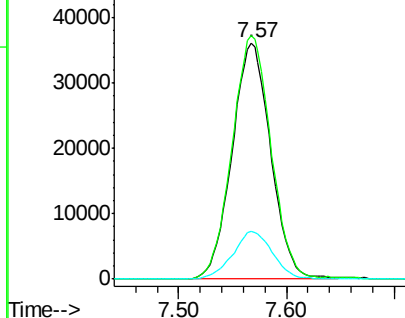


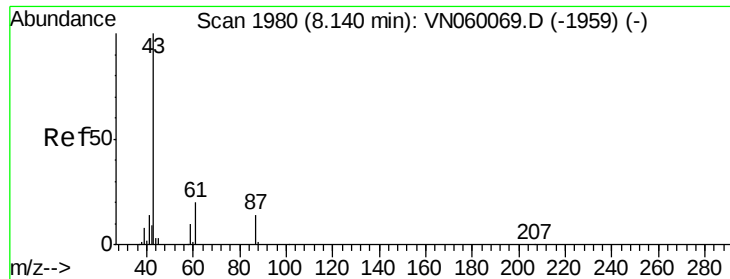
#35  
 Dibromofluoromethane  
 Concen: 44.607 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: VN060257.D  
 Acq: 26 Feb 2020 17:28

Tgt Ion:113 Resp: 89978  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 81.4 122.2  
 192 20.7 16.2 24.2



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: 12.897 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060257.D

Acq: 26 Feb 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

PB127076ZHE#03

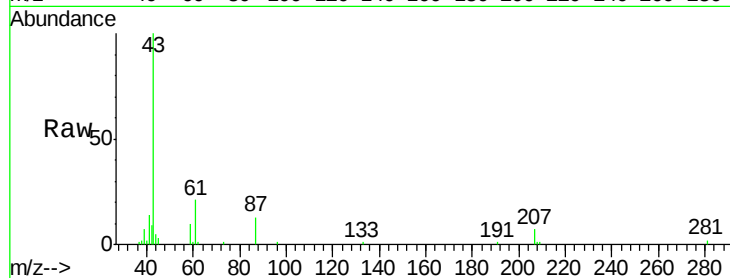
Tot Ion: 43 Resp: 60559

Ion Ratio Lower Upper

43 100

61 20.2 21.8 32.6#

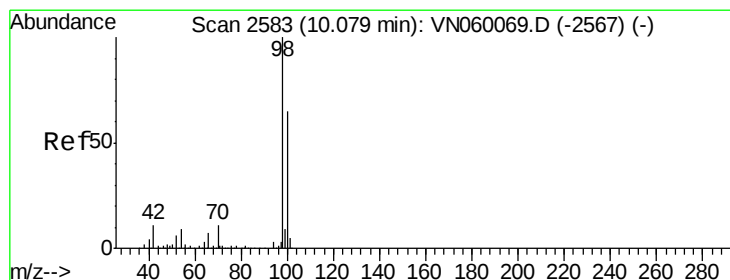
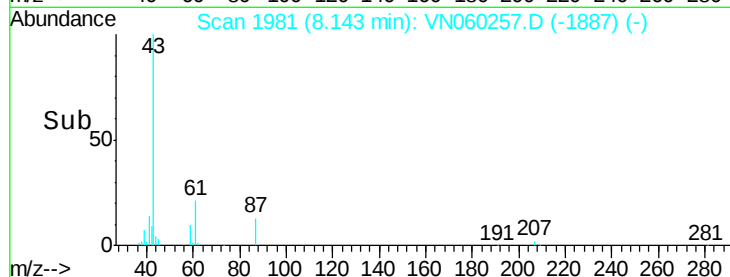
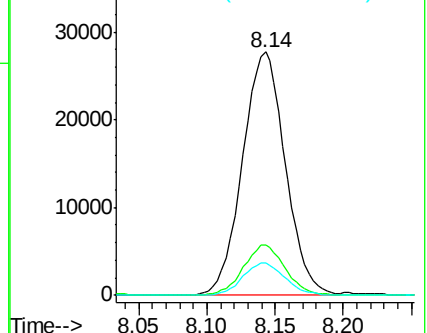
87 13.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#50

Toluene-d8

Concen: 50.889 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060257.D

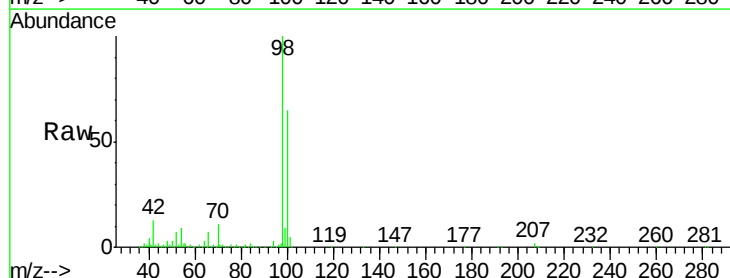
Acq: 26 Feb 2020 17:28

Tgt Ion: 98 Resp: 404228

Ion Ratio Lower Upper

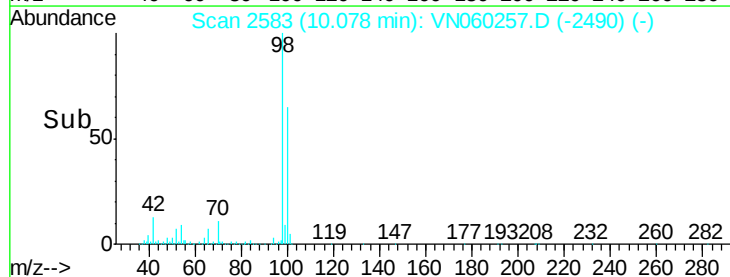
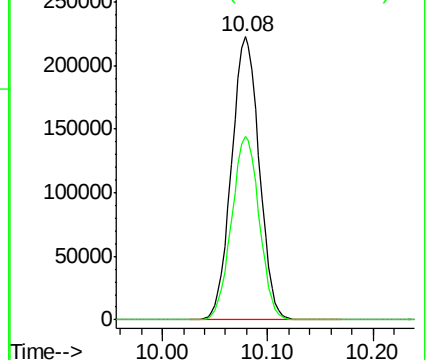
98 100

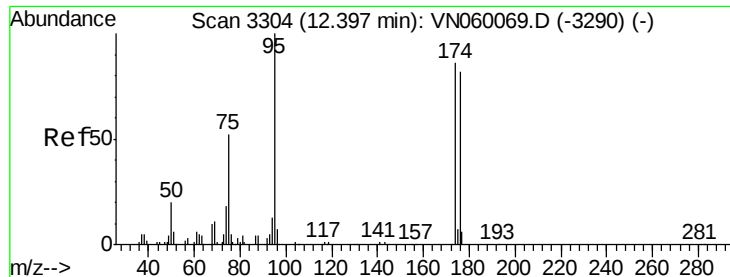
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060069.D (-2567) (-)





#62

4-Bromofluorobenzene

Concen: 53.434 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060257.D

Acq: 26 Feb 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

PB127076ZHE#03

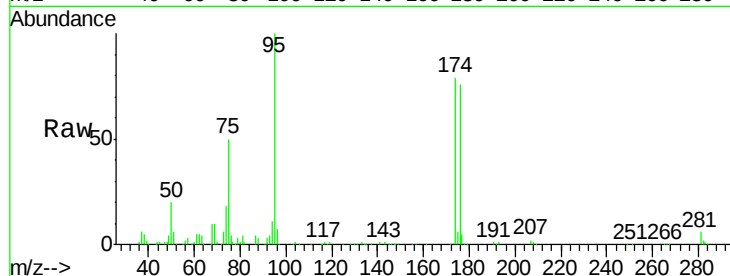
Tot Ion: 95 Resp: 155964

Ion Ratio Lower Upper

95 100

174 81.3 0.0 169.8

176 78.7 0.0 164.8

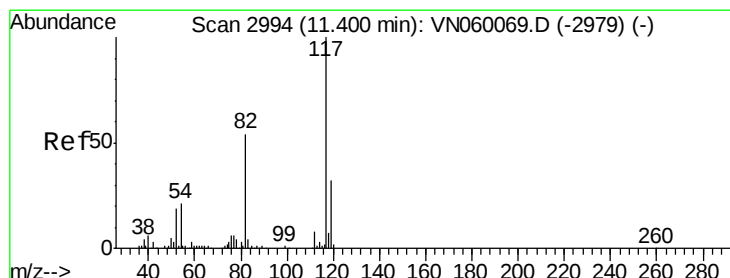
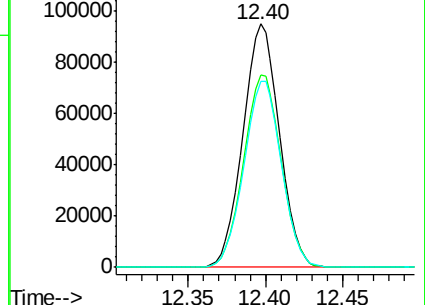
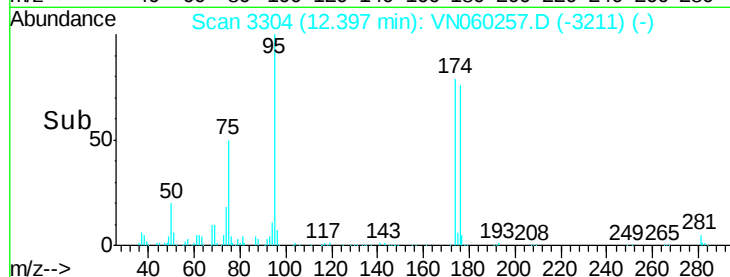


Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060257.D

Acq: 26 Feb 2020 17:28

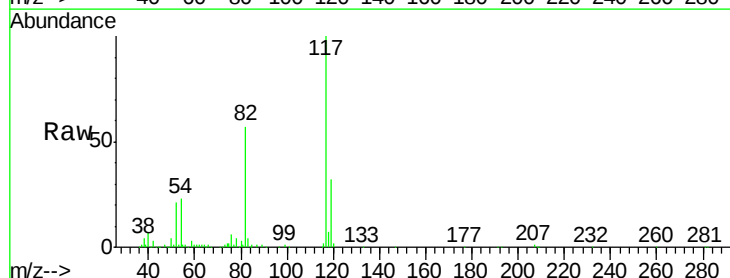
Tgt Ion: 117 Resp: 312091

Ion Ratio Lower Upper

117 100

82 57.2 43.4 65.0

119 31.9 25.8 38.6

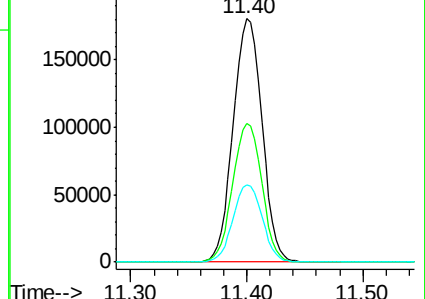
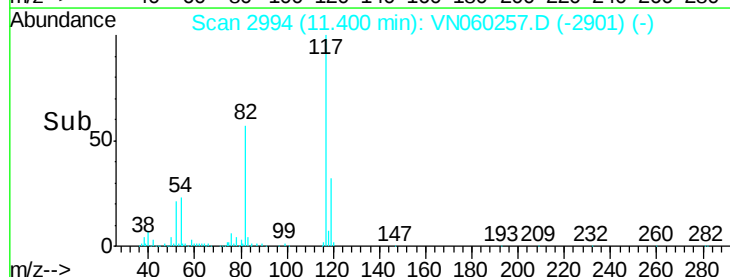


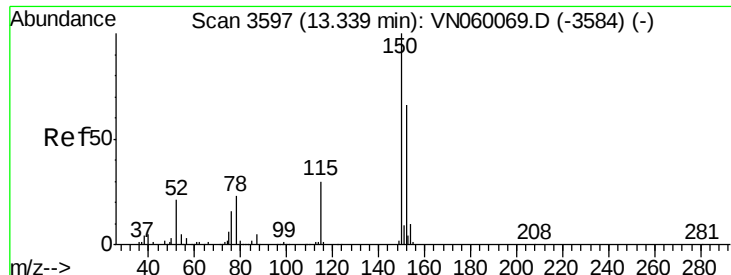
Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060257.D

Acq: 26 Feb 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

PB127076ZHE#03

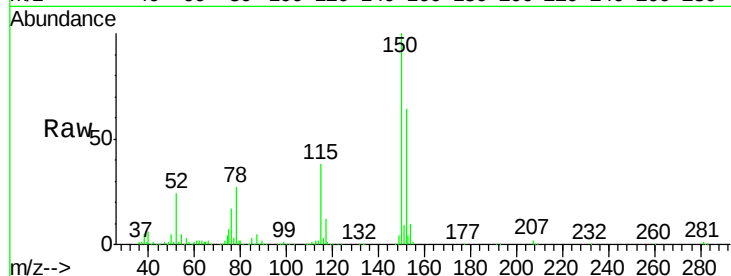
Tot Ion:152 Resp: 155664

Ion Ratio Lower Upper

152 100

115 59.9 28.9 86.8

150 155.5 0.0 342.4



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

