

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\  
 Data File : VN060537.D  
 Acq On : 16 Mar 2020 20:31  
 Operator : JC/MD  
 Sample : PB127541ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127541ZHE#10

Quant Time: Mar 17 09:20:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

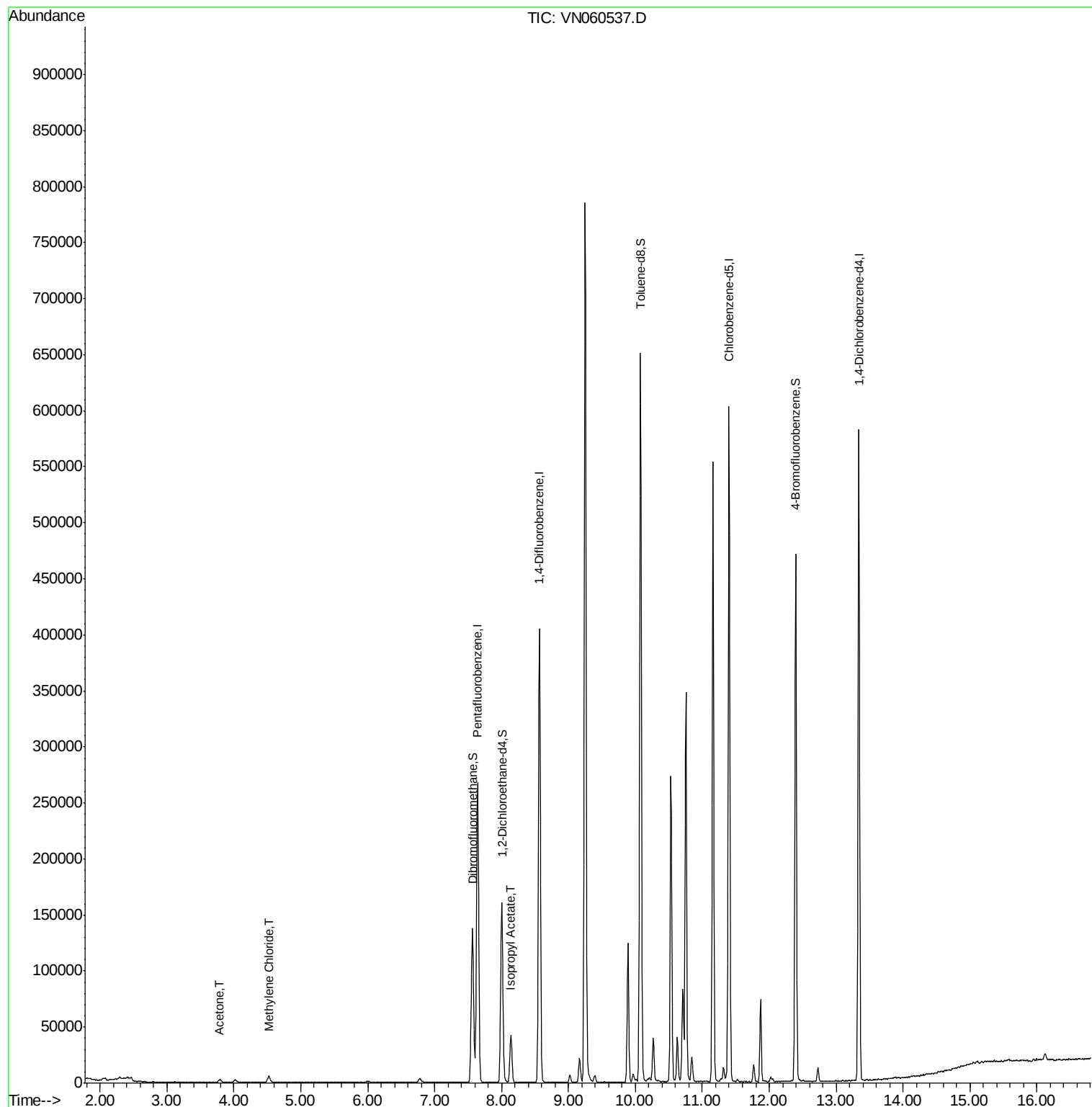
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 216174   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 361645   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 340154   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 153518   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 139809   | 50.41 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.82% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 106547   | 63.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 126.94% |          |
| 50) Toluene-d8              | 10.08 | 98   | 446389   | 52.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 166932   | 51.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.66% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 5316     | 5.935 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.52  | 84   | 4050     | 1.646 | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 50311    | 8.806 | ug/l #  | 91       |

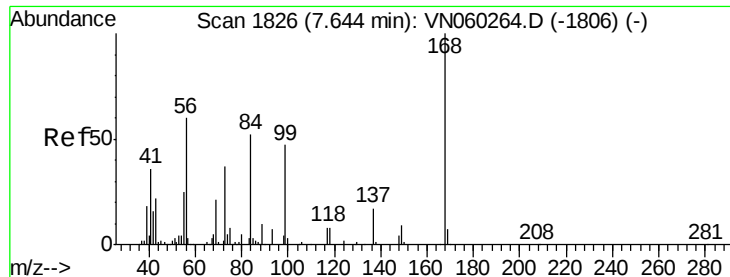
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
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: VN060537.D

Acq: 16 Mar 2020 20:31

Instrument :

MSVOA\_N

ClientSampleId :

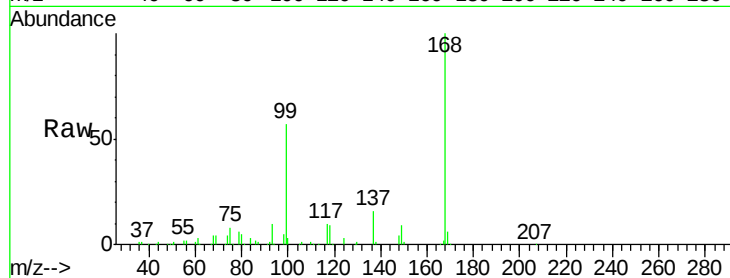
PB127541ZHE#10

Tot Ion:168 Resp: 216174

Ion Ratio Lower Upper

168 100

99 57.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

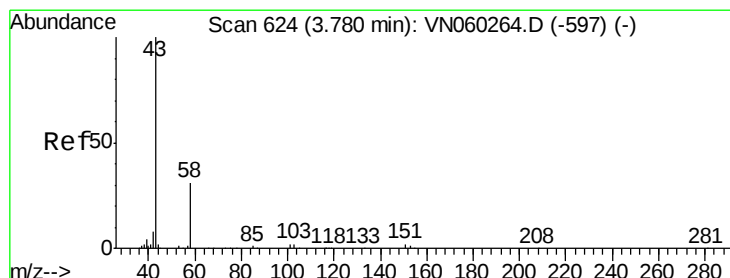
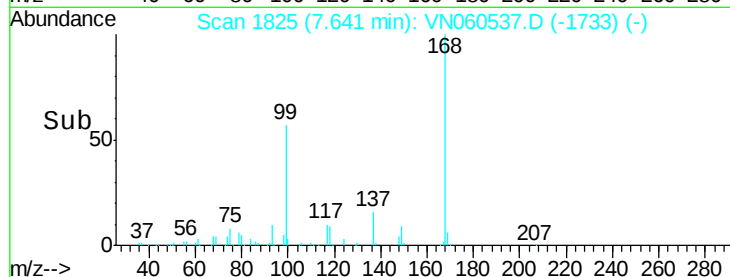
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 5.935 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060537.D

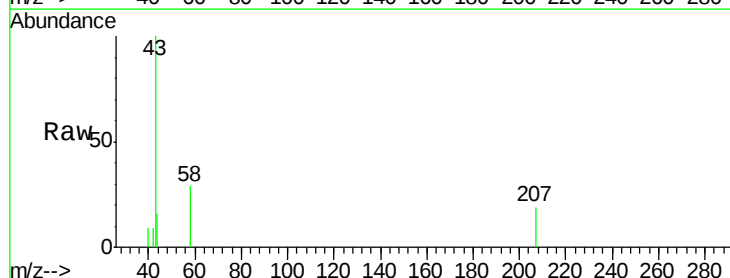
Acq: 16 Mar 2020 20:31

Tgt Ion: 43 Resp: 5316

Ion Ratio Lower Upper

43 100

58 28.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

2000

1500

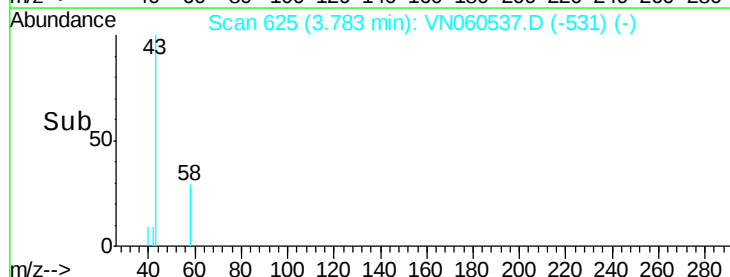
1000

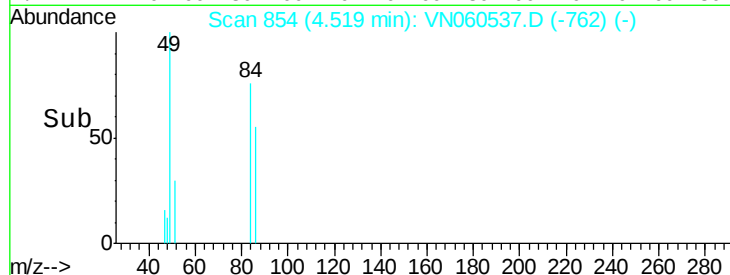
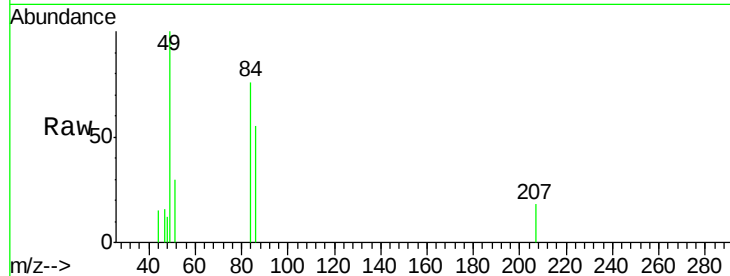
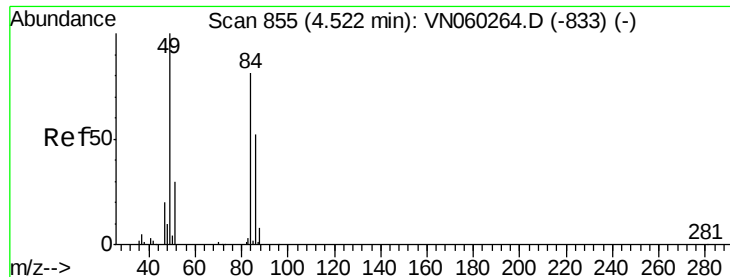
500

0

3.70 3.75 3.80 3.85

Time-->

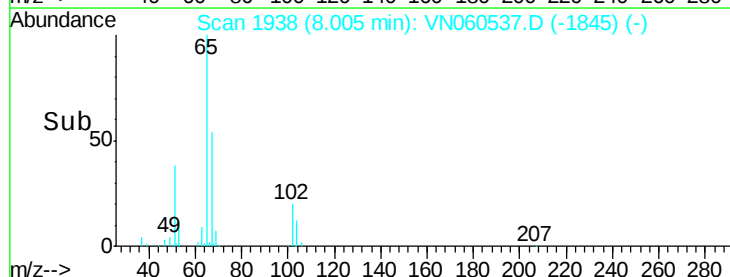
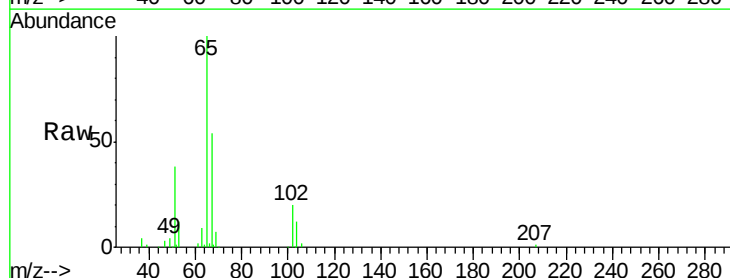
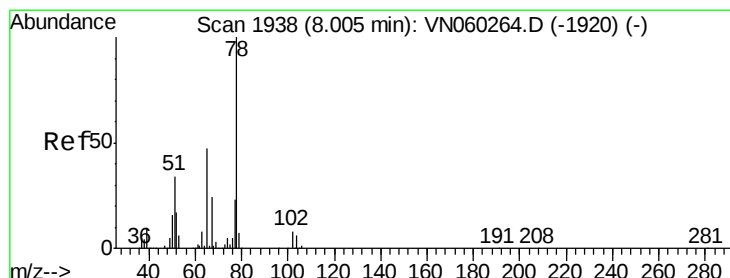
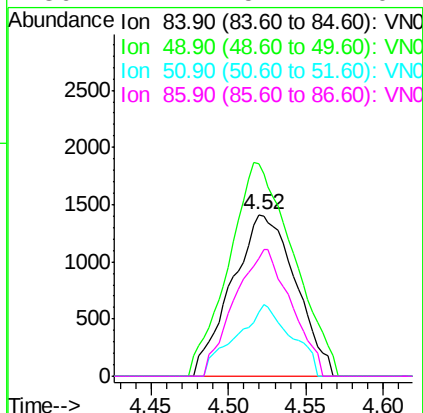




#20  
Methylene Chloride  
Concen: 1.646 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060537.D  
Acq: 16 Mar 2020 20:31

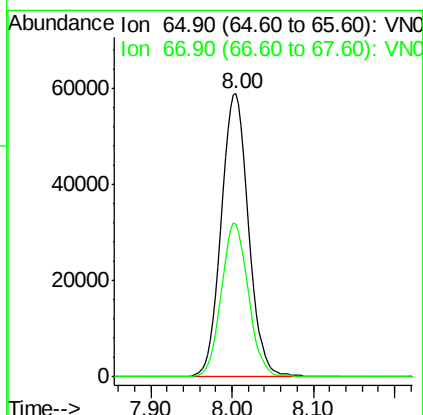
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127541ZHE#10

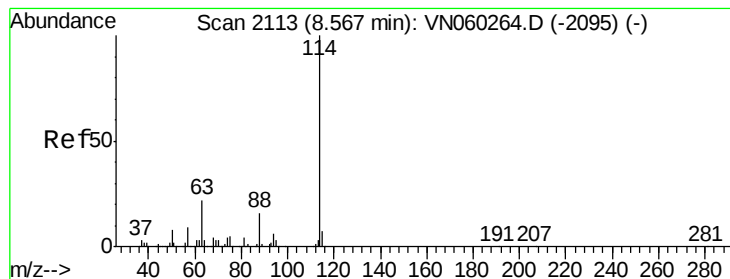
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 4050  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.7 | 99.3  | 148.9 |
| 51       | 39.8  | 30.1  | 45.1  |
| 86       | 72.7  | 51.1  | 76.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 50.408 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: VN060537.D  
Acq: 16 Mar 2020 20:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 139809 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.7  | 0.0   | 103.8  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060537.D

Acq: 16 Mar 2020 20:31

Instrument :

MSVOA\_N

ClientSampleId :

PB127541ZHE#10

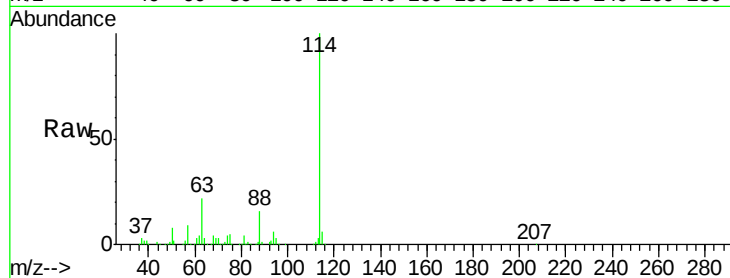
Tot Ion:114 Resp: 361645

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

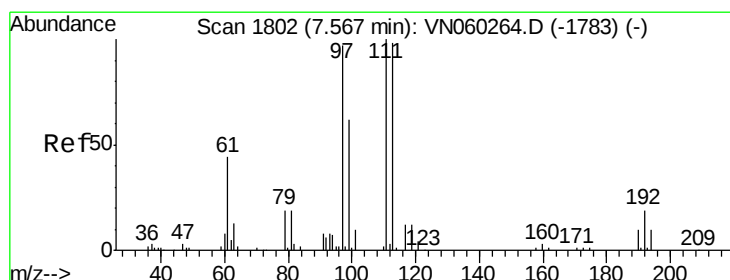
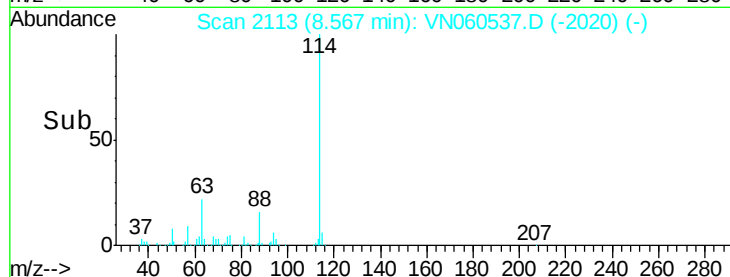
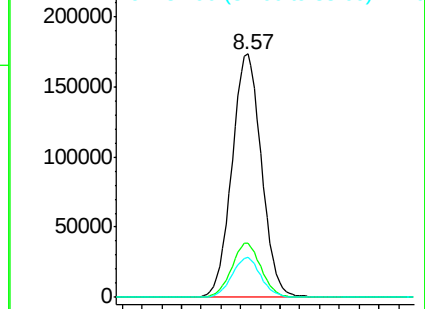
88 16.3 0.0 31.6



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: 63.472 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060537.D

Acq: 16 Mar 2020 20:31

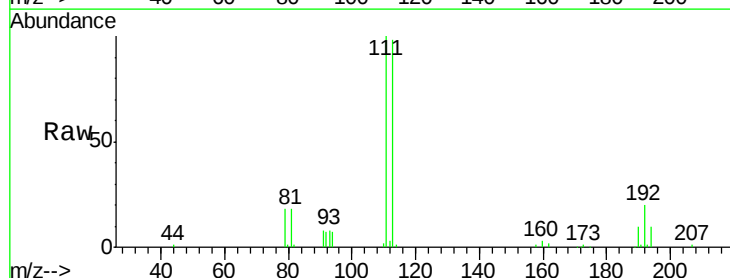
Tgt Ion:113 Resp: 106547

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

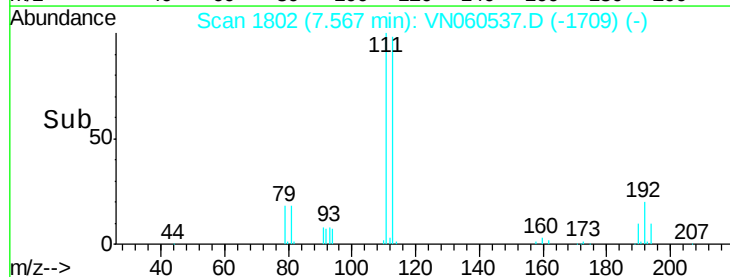
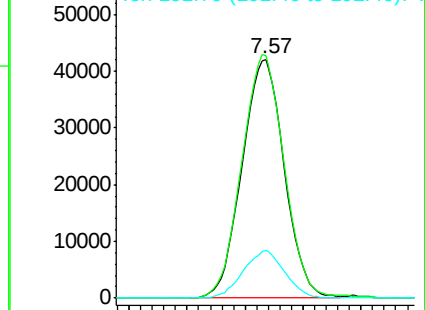
192 19.6 16.2 24.2

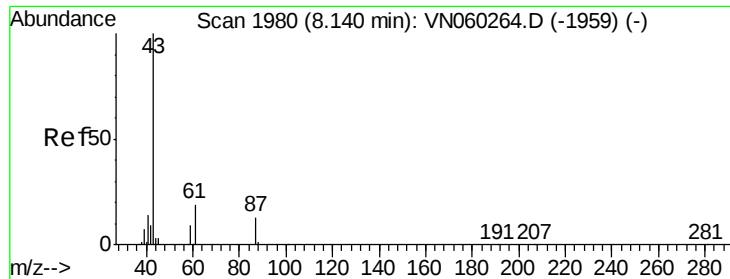


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



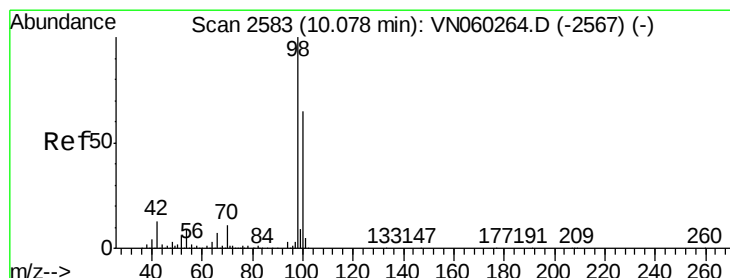
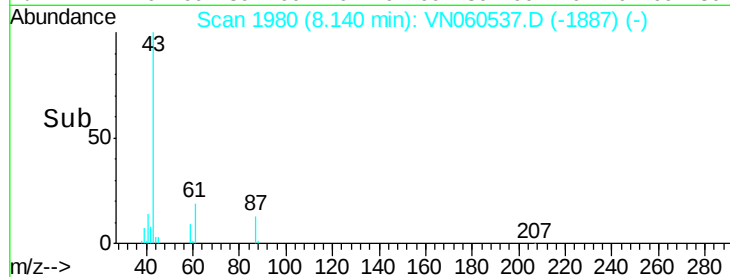
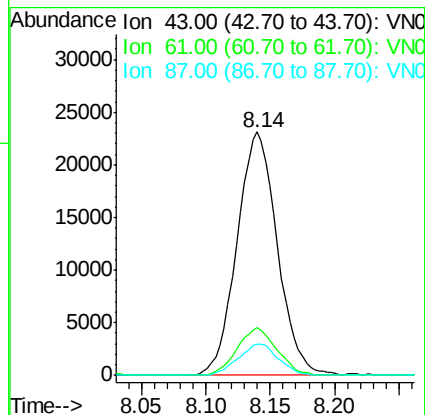
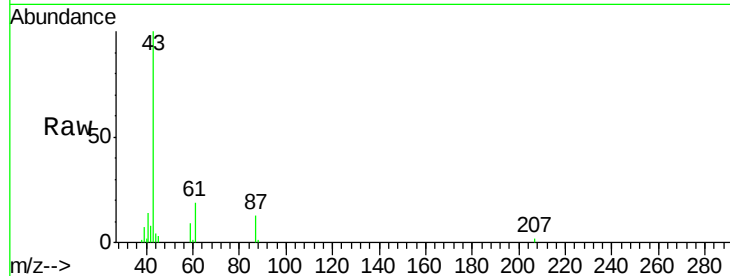


#43

Isopropyl Acetate  
 Concen: 8.806 ug/l  
 RT: 8.14 min Scan# 1980  
 Delta R.T. 0.00 min  
 Lab File: VN060537.D  
 Acq: 16 Mar 2020 20:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127541ZHE#10

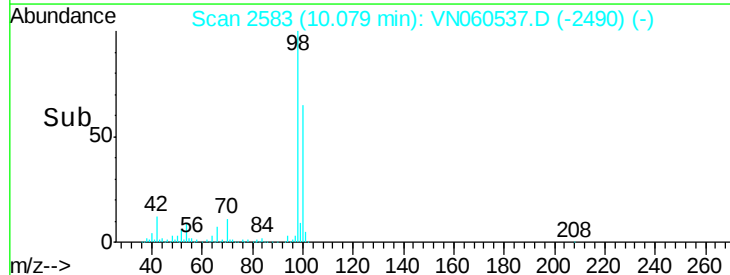
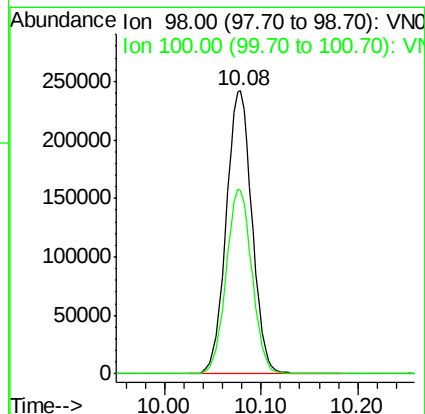
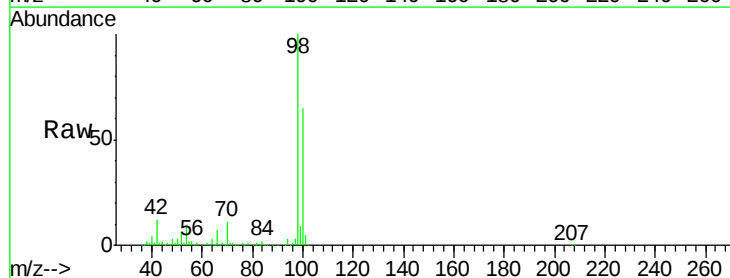
| Tot Ion   | 43    | Resp  | 50311 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 19.3  | 20.9  | 31.3# |
| 87        | 12.7  | 10.6  | 16.0  |

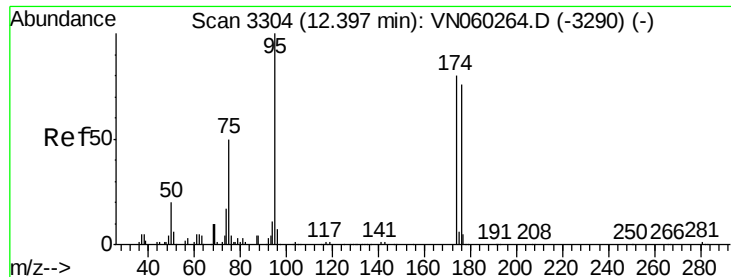


#50

Toluene-d8  
 Concen: 52.542 ug/l  
 RT: 10.08 min Scan# 2583  
 Delta R.T. 0.00 min  
 Lab File: VN060537.D  
 Acq: 16 Mar 2020 20:31

| Tgt Ion   | 98    | Resp  | 446389 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.4  | 52.2  | 78.2   |





#62

4-Bromofluorobenzene

Concen: 51.833 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060537.D

Acq: 16 Mar 2020 20:31

Instrument :

MSVOA\_N

ClientSampleId :

PB127541ZHE#10

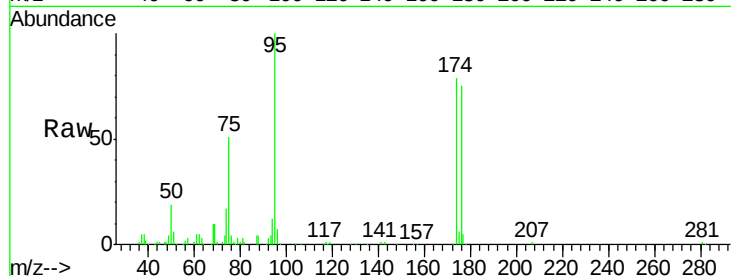
Tot Ion: 95 Resp: 166932

Ion Ratio Lower Upper

95 100

174 77.9 0.0 159.2

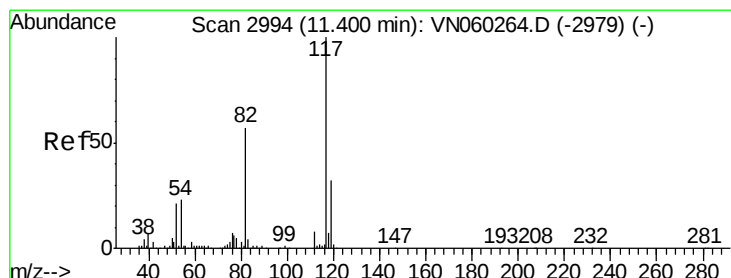
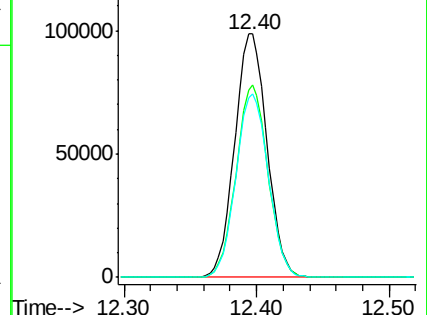
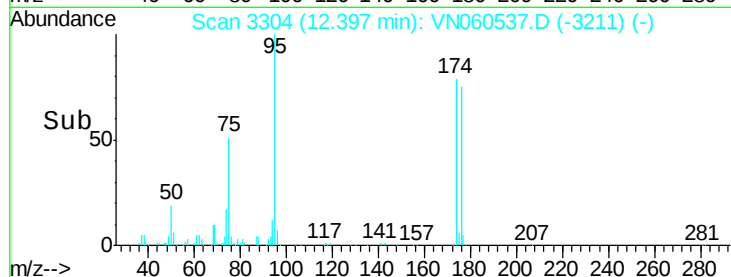
176 75.8 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060537.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060537.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060537.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060537.D

Acq: 16 Mar 2020 20:31

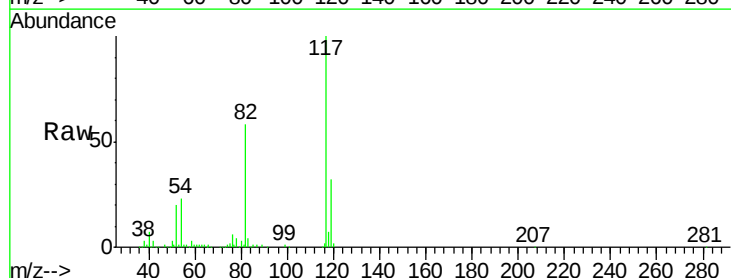
Tgt Ion: 117 Resp: 340154

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.6

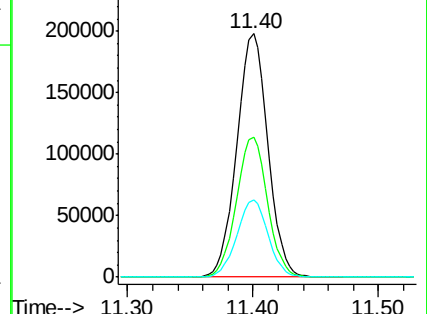
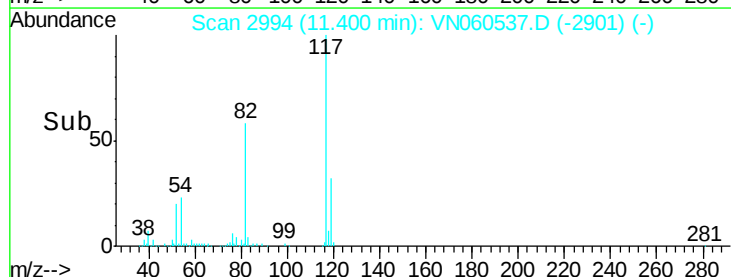
119 31.6 25.8 38.8

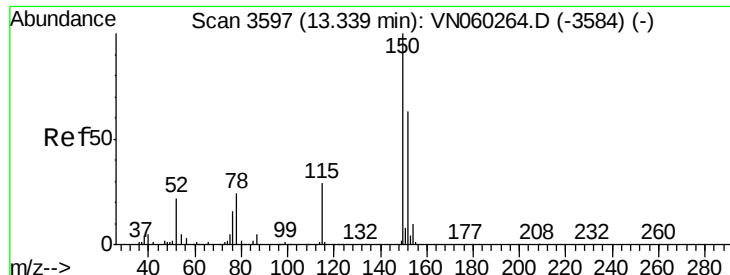


Abundance Ion 116.90 (116.60 to 117.60): VN060537.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060537.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060537.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060537.D

Acq: 16 Mar 2020 20:31

Instrument :

MSVOA\_N

ClientSampleId :

PB127541ZHE#10

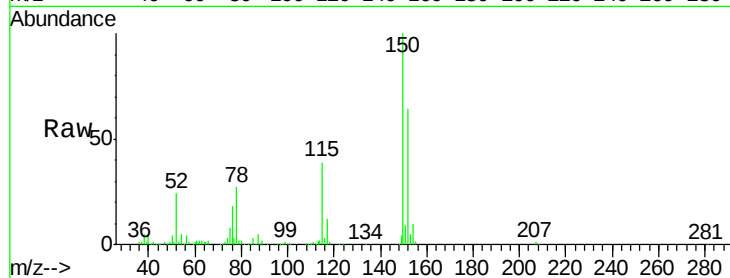
Tot Ion:152 Resp: 153518

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

150 156.5 0.0 349.6



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

