

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\  
 Data File : VN064687.D  
 Acq On : 17 Nov 2020 17:55  
 Operator : JC/MD  
 Sample : PB133059TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133059TB

Quant Time: Nov 18 03:03:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 12:09:03 2020  
 Response via : Initial Calibration

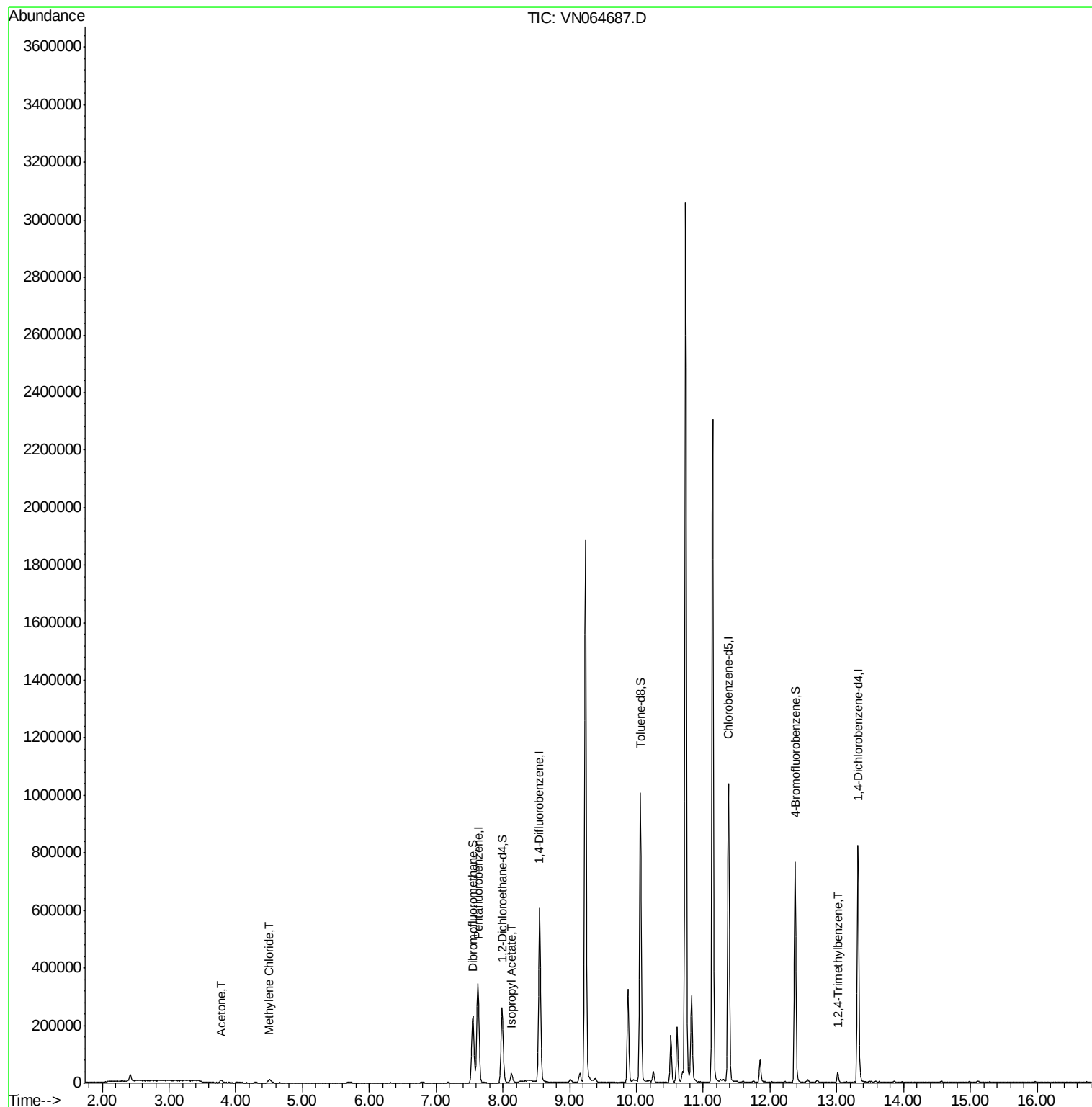
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 253000   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 509955   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 562791   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 211845   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 232525   | 52.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 174025   | 50.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.24% |          |
| 50) Toluene-d8              | 10.06 | 98   | 680250   | 50.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.38% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 270316   | 53.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.52% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 14288    | 8.512 | ug/l    | 96       |
| 20) Methylene Chloride      | 4.51  | 84   | 9031     | 2.712 | ug/l #  | 86       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 38375    | 4.395 | ug/l    | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.01 | 105  | 18602    | 1.332 | ug/l    | 99       |

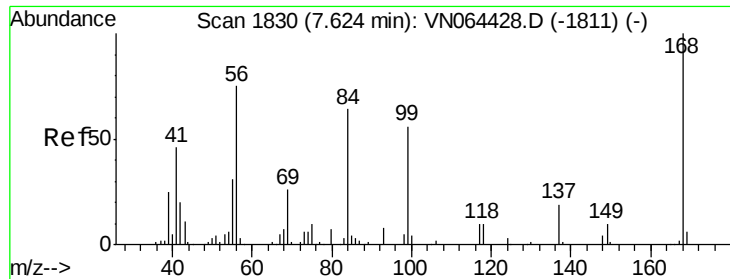
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 12:09:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064687.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA\_N

ClientSampleId :

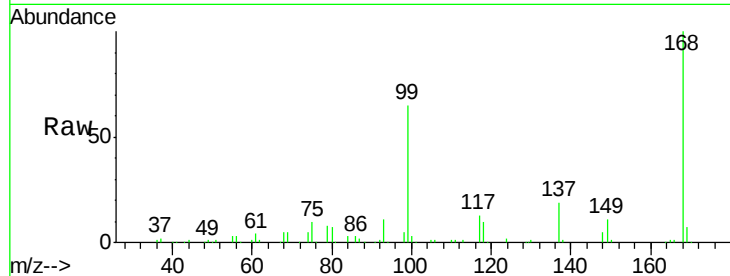
PB133059TB

Tot Ion:168 Resp: 253000

Ion Ratio Lower Upper

168 100

99 65.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

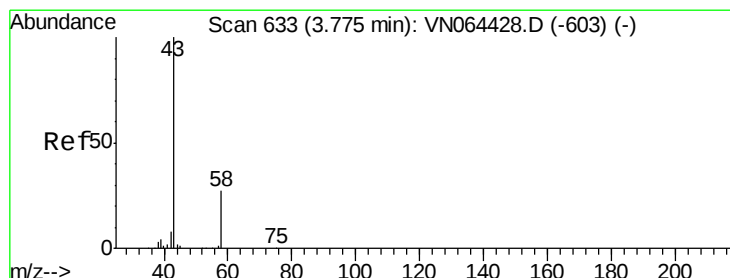
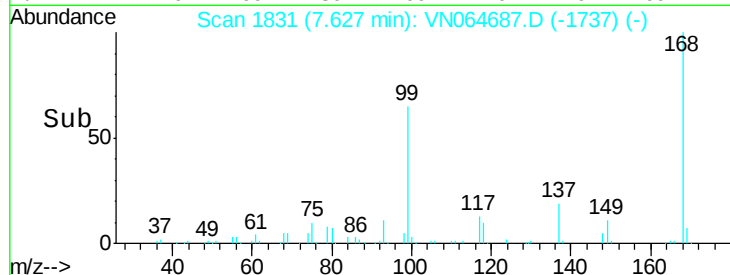
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 8.512 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064687.D

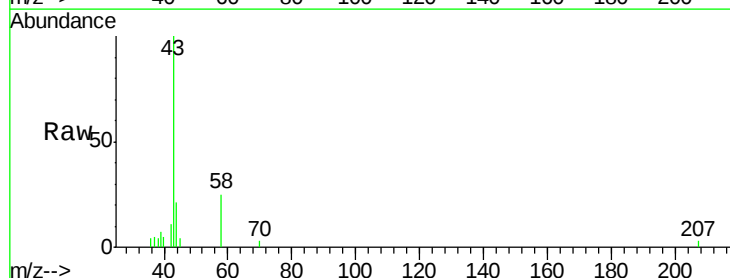
Acq: 17 Nov 2020 17:55

Tgt Ion: 43 Resp: 14288

Ion Ratio Lower Upper

43 100

58 24.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

6000

5000

4000

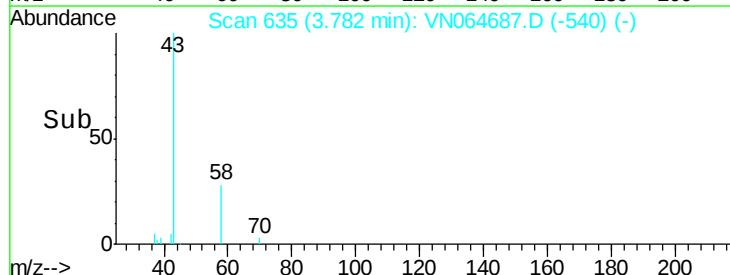
3000

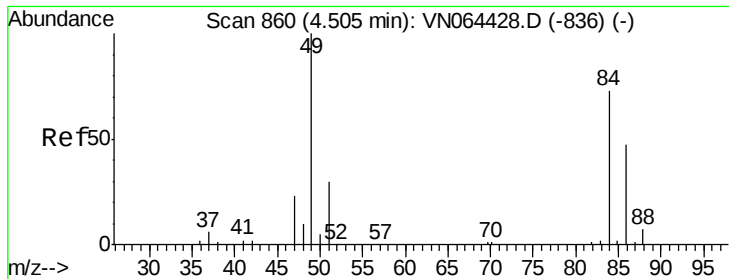
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

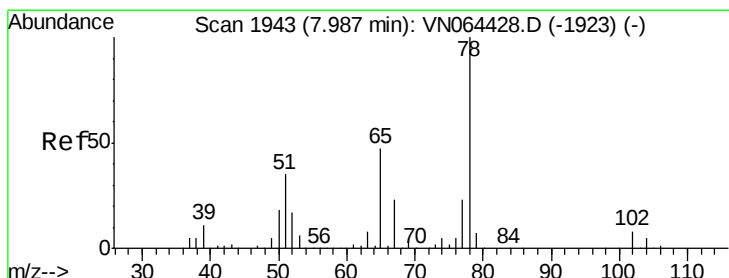
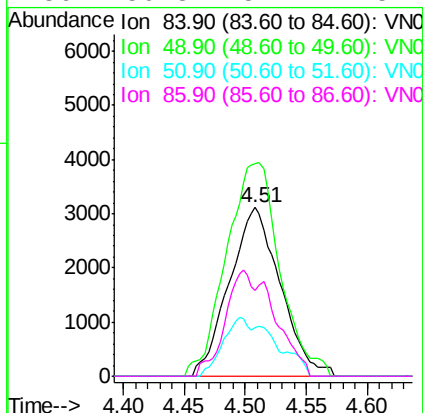
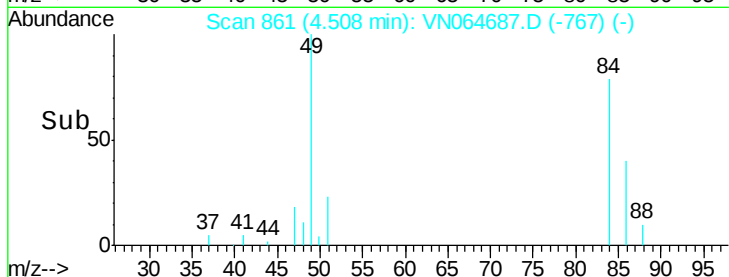
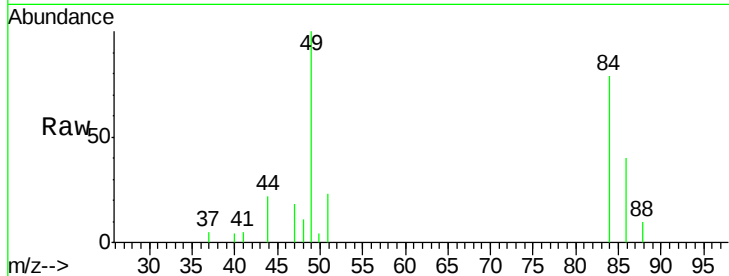




#20  
Methylene Chloride  
Concen: 2.712 ug/l  
RT: 4.51 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VN064687.D  
Acq: 17 Nov 2020 17:55

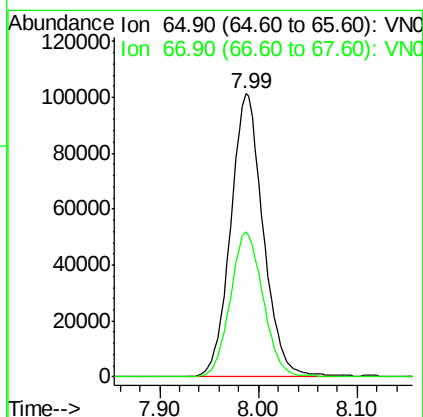
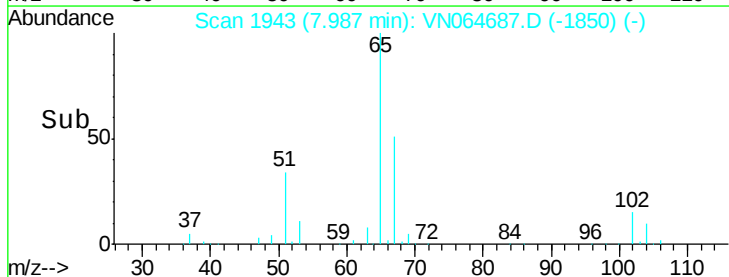
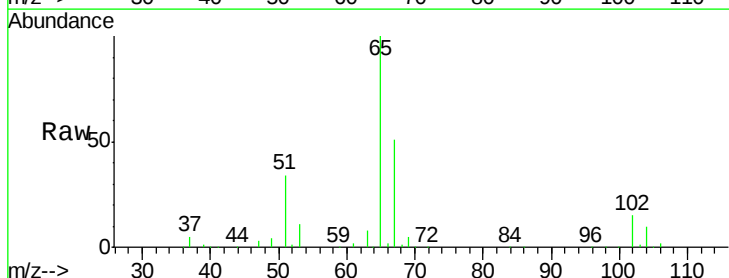
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133059TB

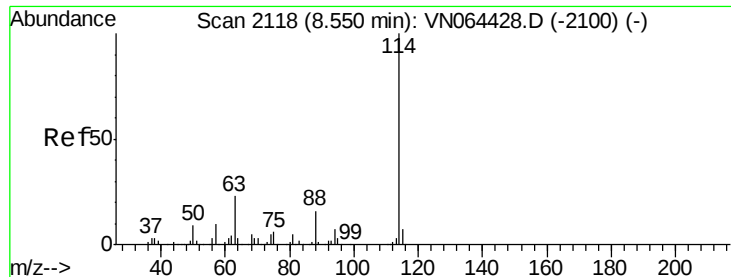
Tot Ion: 84 Resp: 9031  
Ion Ratio Lower Upper  
84 100  
49 125.9 110.1 165.1  
51 29.2 33.6 50.4#  
86 50.8 52.1 78.1#



#33  
1,2-Dichloroethane-d4  
Concen: 52.764 ug/l  
RT: 7.99 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN064687.D  
Acq: 17 Nov 2020 17:55

Tgt Ion: 65 Resp: 232525  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 101.6

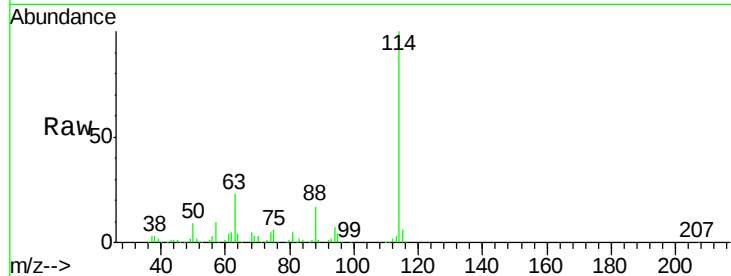




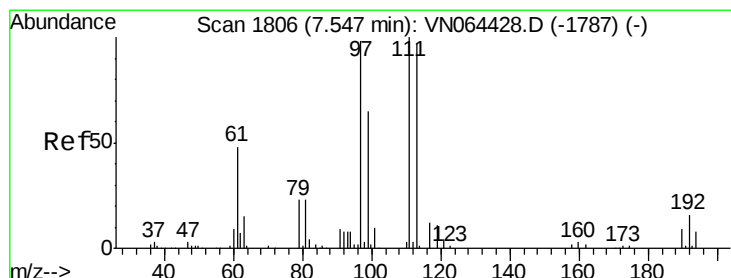
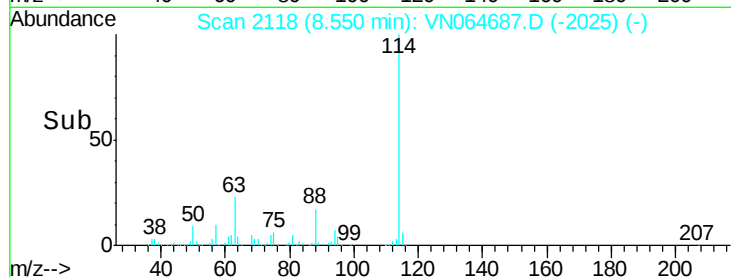
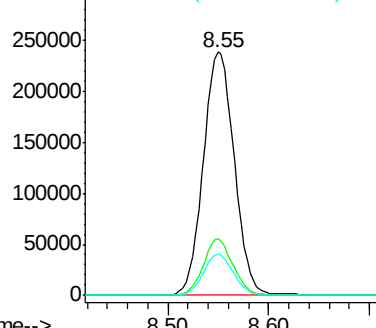
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN064687.D  
 Acq: 17 Nov 2020 17:55

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133059TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.2  | 0.0   | 45.6  |
| 88      | 16.8  | 0.0   | 32.8  |

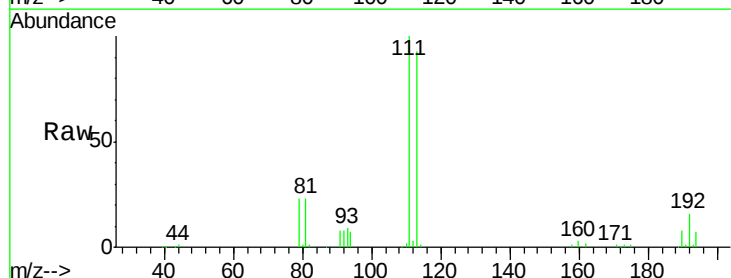


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

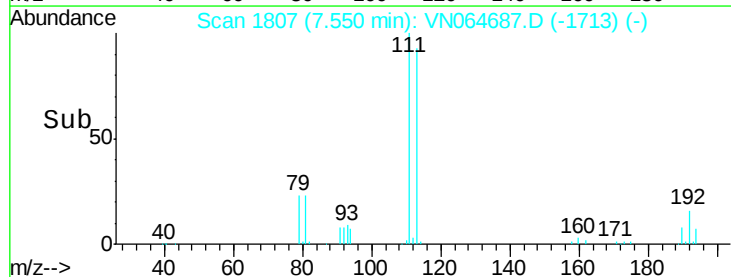
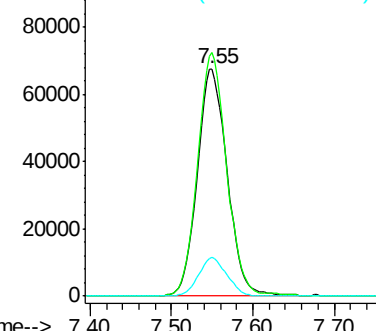


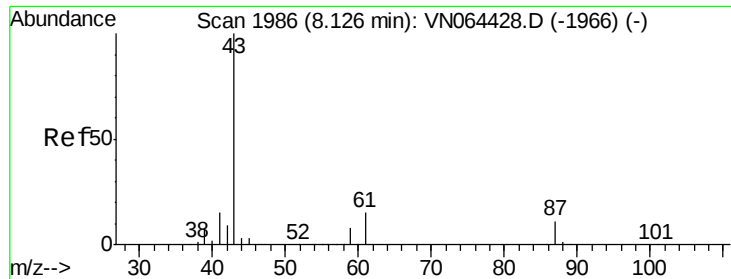
#35  
 Dibromofluoromethane  
 Concen: 50.121 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064687.D  
 Acq: 17 Nov 2020 17:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.3 | 81.1  | 121.7 |
| 192     | 16.0  | 12.8  | 19.2  |



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: 4.395 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064687.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA\_N

ClientSampleId :

PB133059TB

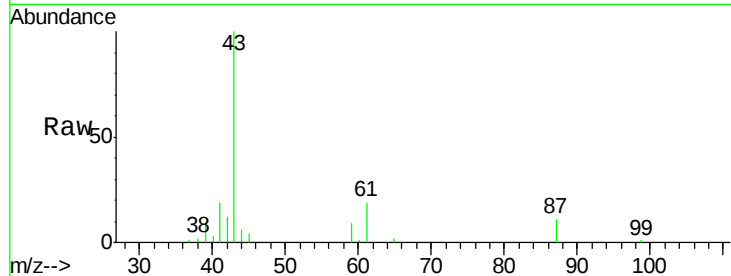
Tot Ion: 43 Resp: 38375

Ion Ratio Lower Upper

43 100

61 19.4 14.0 21.0

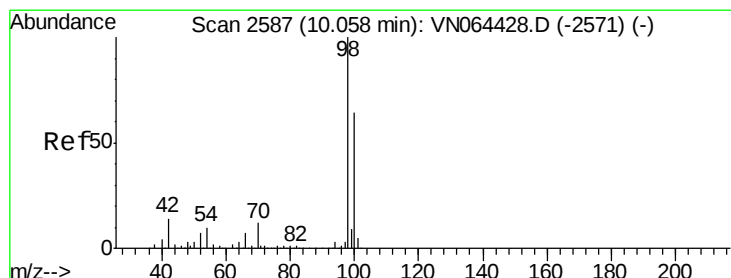
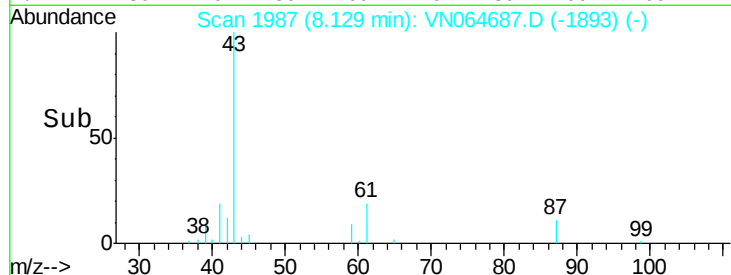
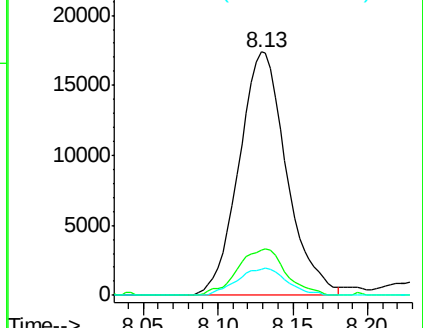
87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#50

Toluene-d8

Concen: 50.691 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064687.D

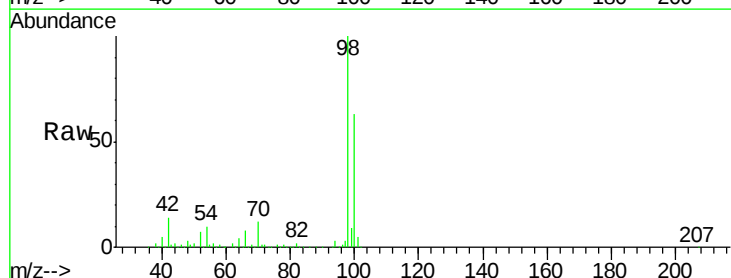
Acq: 17 Nov 2020 17:55

Tgt Ion: 98 Resp: 680250

Ion Ratio Lower Upper

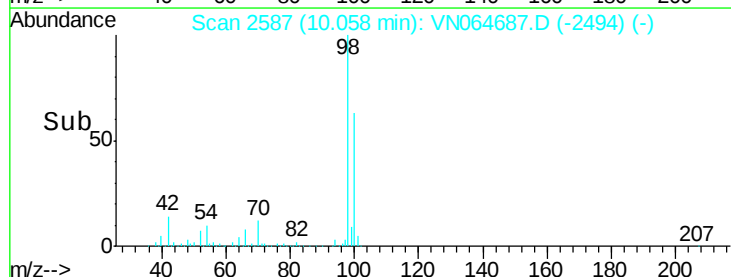
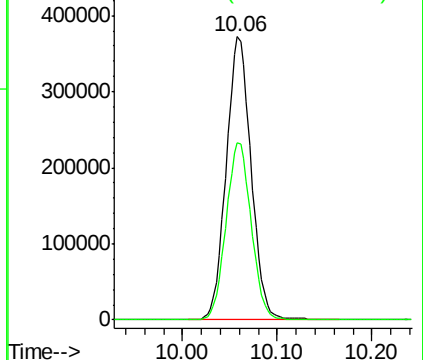
98 100

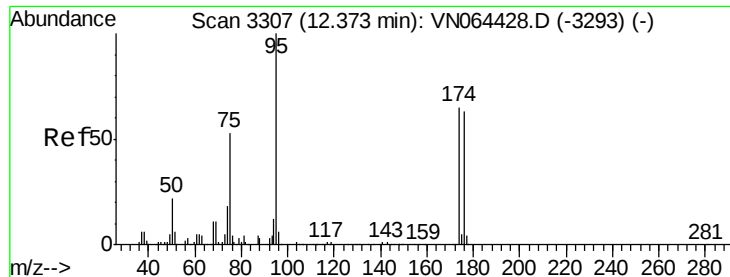
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#62

4-Bromofluorobenzene

Concen: 53.263 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064687.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA\_N

ClientSampleId :

PB133059TB

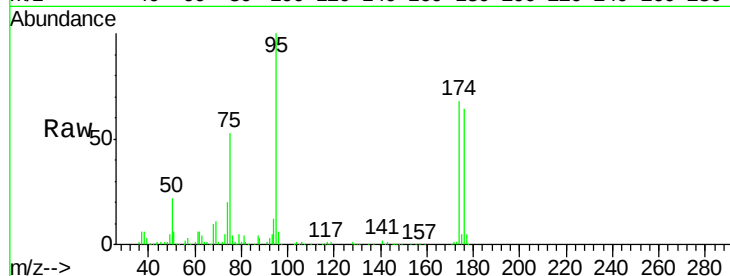
Tot Ion: 95 Resp: 270316

Ion Ratio Lower Upper

95 100

174 69.9 0.0 132.6

176 65.2 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)

12.38

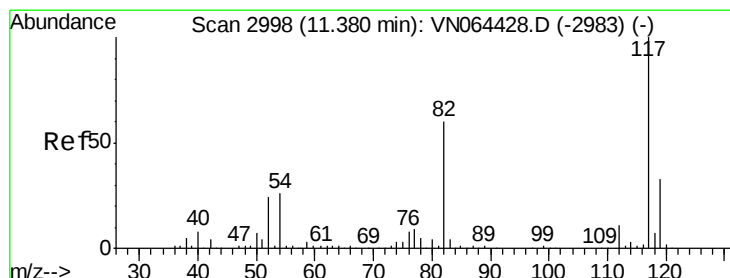
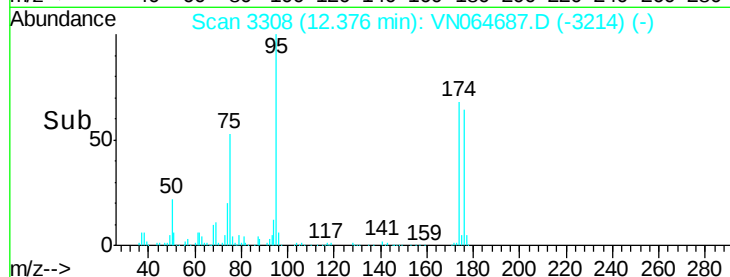
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064687.D

Acq: 17 Nov 2020 17:55

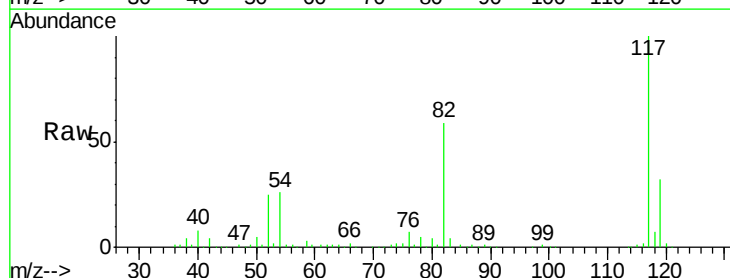
Tgt Ion: 117 Resp: 562791

Ion Ratio Lower Upper

117 100

82 58.9 48.1 72.1

119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)

11.38

400000

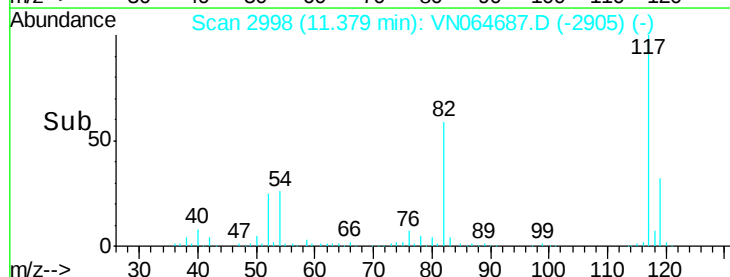
300000

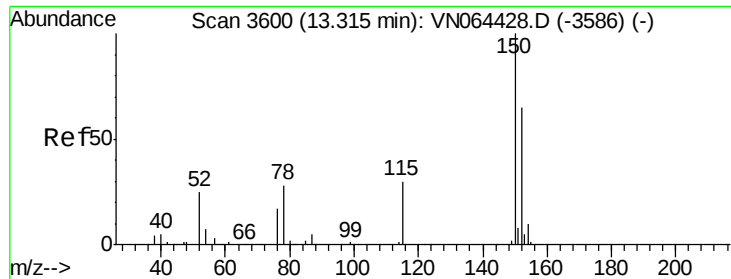
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064687.D

Acq: 17 Nov 2020 17:55

Instrument :

MSVOA\_N

ClientSampleId :

PB133059TB

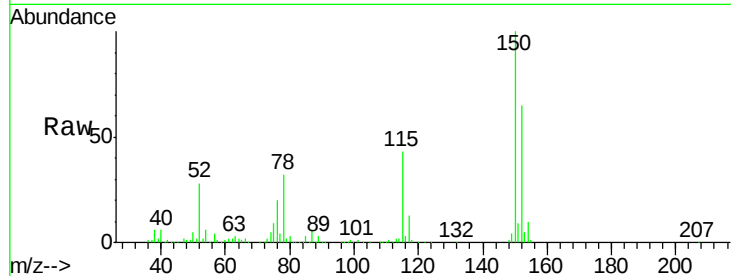
Tot Ion:152 Resp: 211845

Ion Ratio Lower Upper

152 100

115 64.1 32.0 96.0

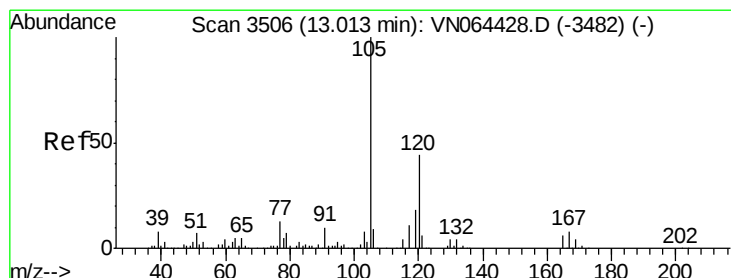
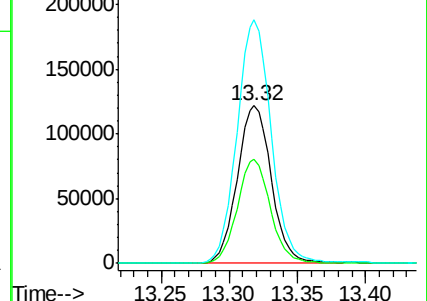
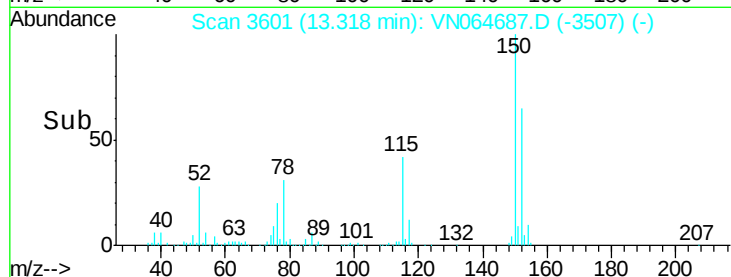
150 155.7 0.0 353.8



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



#84

1,2,4-Trimethylbenzene

Concen: 1.332 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064687.D

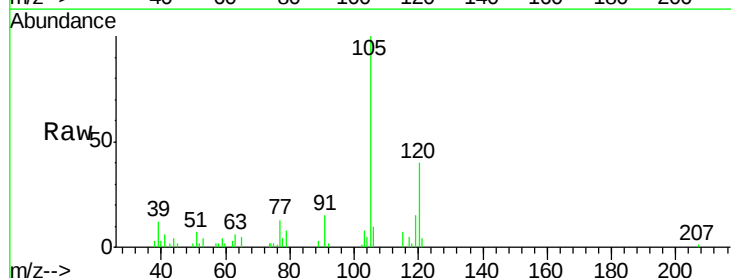
Acq: 17 Nov 2020 17:55

Tgt Ion:105 Resp: 18602

Ion Ratio Lower Upper

105 100

120 43.2 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

