

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\  
 Data File : VN065065.D  
 Acq On : 11 Dec 2020 3:24  
 Operator : JC/MD  
 Sample : PB133501ZHE#13  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133501ZHE#13

Quant Time: Dec 11 04:57:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 10 16:04:22 2020  
 Response via : Initial Calibration

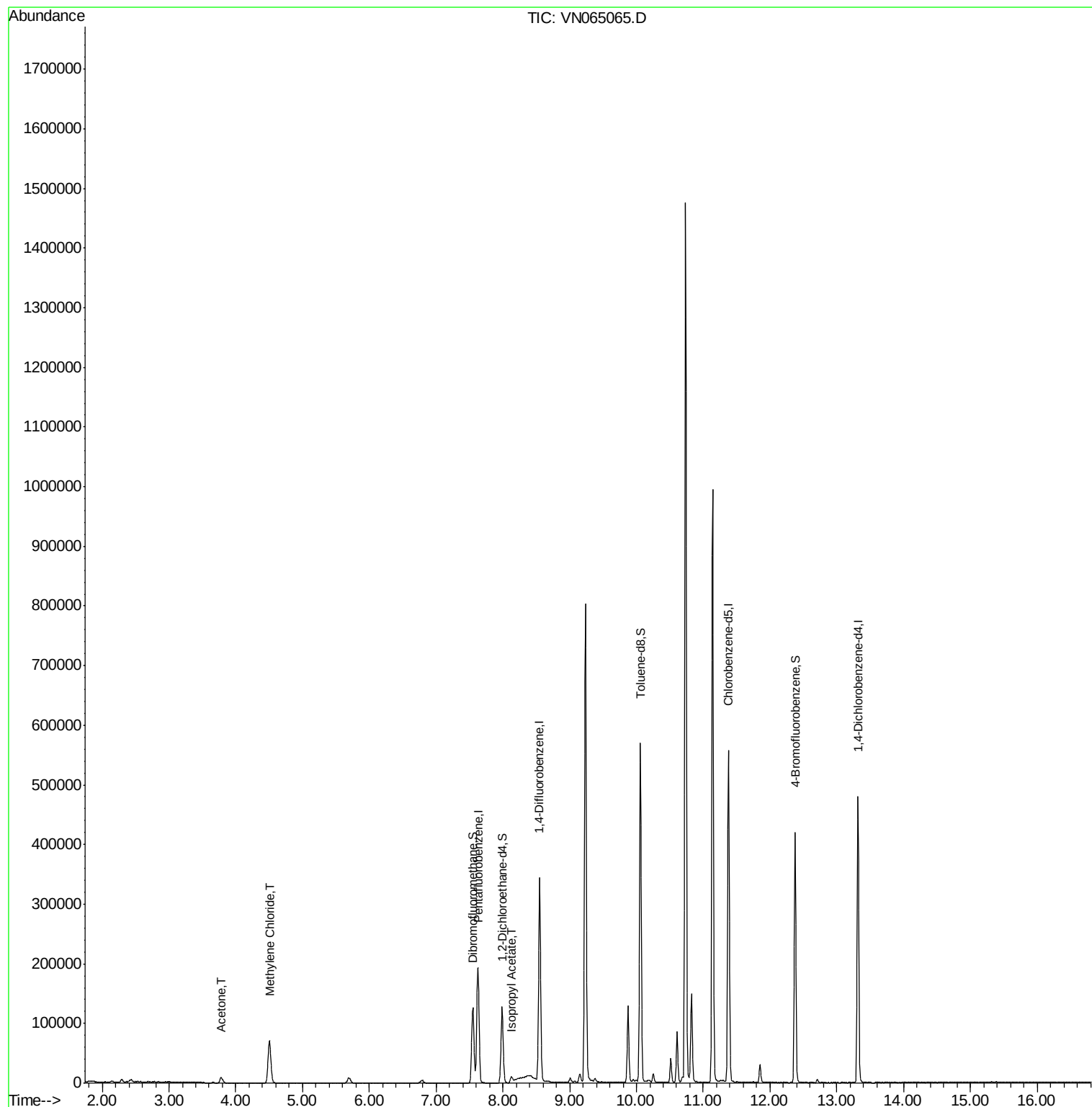
| Internal Standards          | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| 1) Pentafluorobenzene       | 7.63           | 168  | 163764     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55           | 114  | 314654     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.38          | 117  | 338201     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32          | 152  | 140696     | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.99           | 65   | 106795     | 54.77   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = | 109.54% |        |          |
| 35) Dibromofluoromethane    | 7.55           | 113  | 100170     | 48.12   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = | 96.24%  |        |          |
| 50) Toluene-d8              | 10.06          | 98   | 402219     | 50.36   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = | 100.72% |        |          |
| 62) 4-Bromofluorobenzene    | 12.38          | 95   | 148310     | 54.18   | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = | 108.36% |        |          |
| Target Compounds            |                |      |            |         |        |          |
| 16) Acetone                 | 3.78           | 43   | 16949      | 24.508  | ug/l   | 99       |
| 20) Methylene Chloride      | 4.50           | 84   | 55633      | 31.578  | ug/l   | 98       |
| 43) Isopropyl Acetate       | 8.13           | 43   | 14287      | 3.522   | ug/l # | 91       |

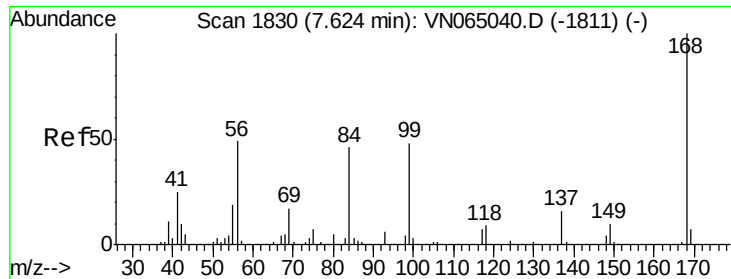
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121020\  
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MSVOA\_N  
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QLast Update : Thu Dec 10 16:04:22 2020  
Response via : Initial Calibration

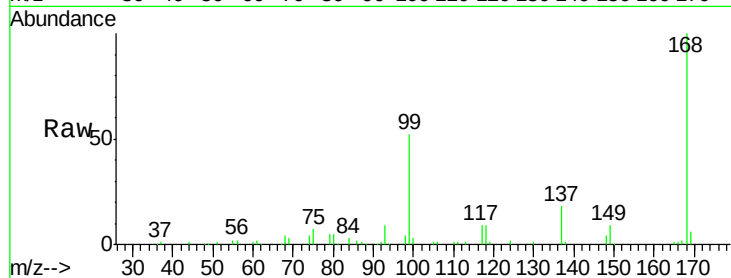




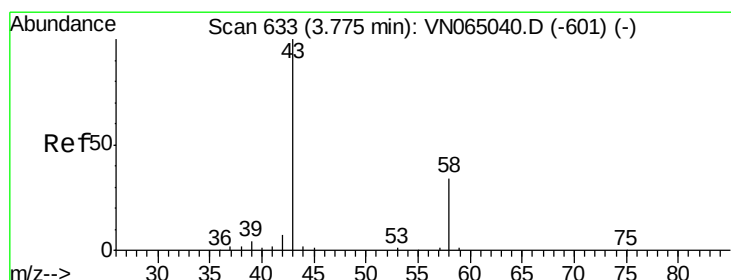
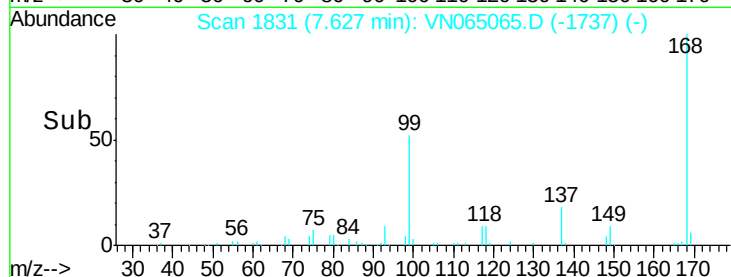
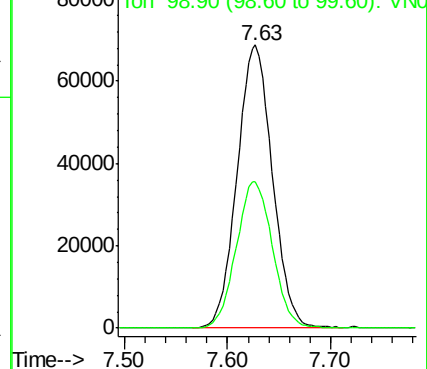
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.63 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: VN065065.D  
Acq: 11 Dec 2020 3:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133501ZHE#13

Tot Ion:168 Resp: 163764  
Ion Ratio Lower Upper  
168 100  
99 51.6 44.0 66.0

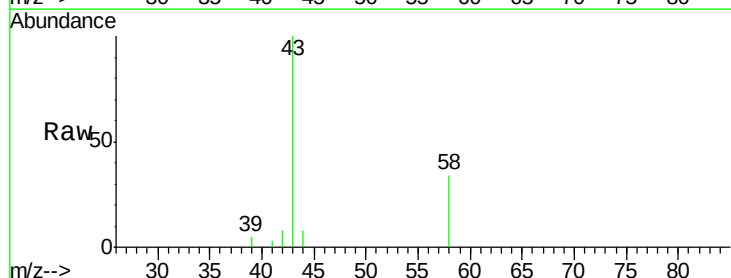


Abundance Ion 167.90 (167.60 to 168.60): V

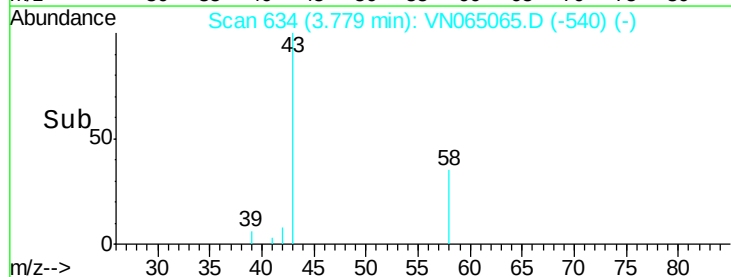
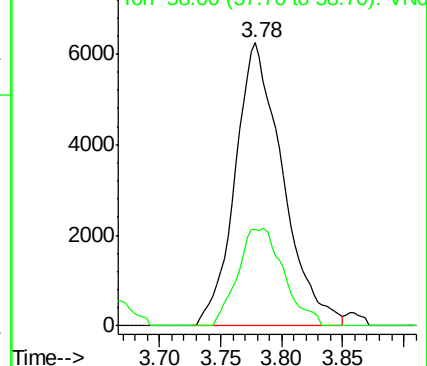


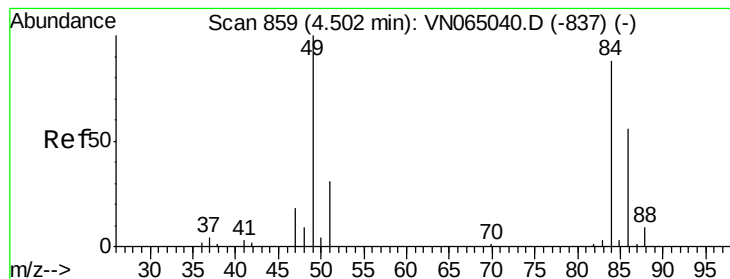
#16  
Acetone  
Concen: 24.508 ug/l  
RT: 3.78 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VN065065.D  
Acq: 11 Dec 2020 3:24

Tgt Ion: 43 Resp: 16949  
Ion Ratio Lower Upper  
43 100  
58 34.0 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VN





#20

Methylene Chloride

Concen: 31.578 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN065065.D

Acq: 11 Dec 2020 3:24

Instrument :

MSVOA\_N

ClientSampleId :

PB133501ZHE#13

Tot Ion: 84 Resp: 55633

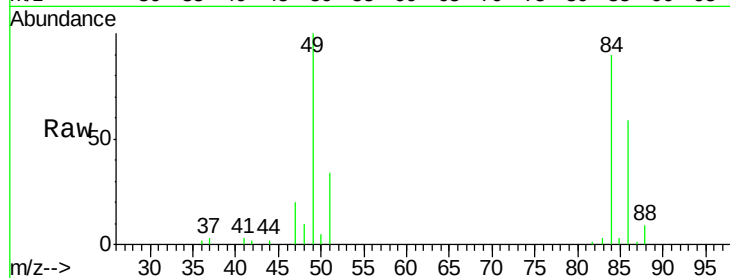
Ion Ratio Lower Upper

84 100

49 111.4 90.8 136.2

51 37.6 28.1 42.1

86 65.2 51.3 76.9

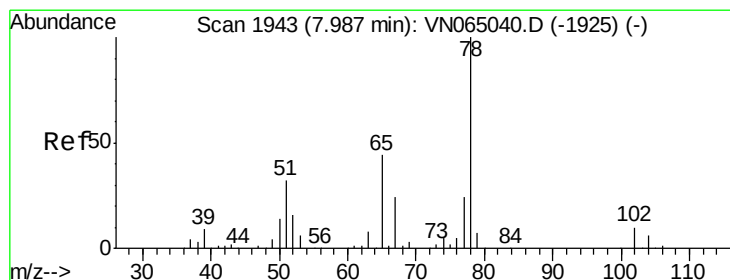
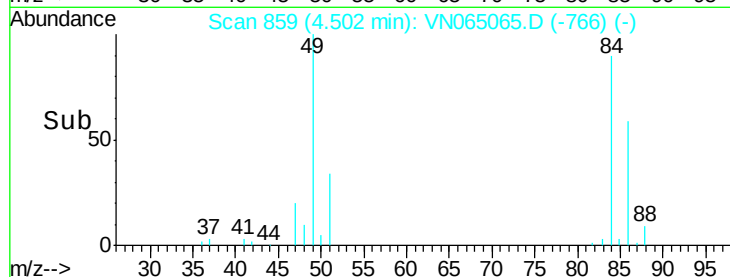
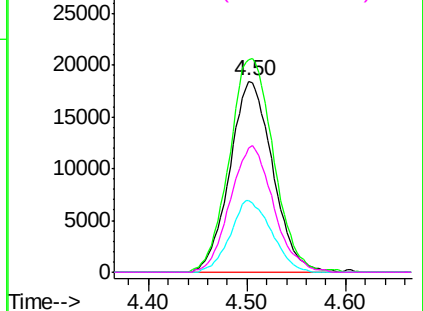


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.774 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065065.D

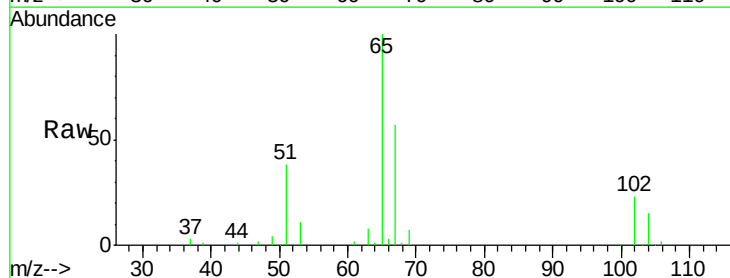
Acq: 11 Dec 2020 3:24

Tgt Ion: 65 Resp: 106795

Ion Ratio Lower Upper

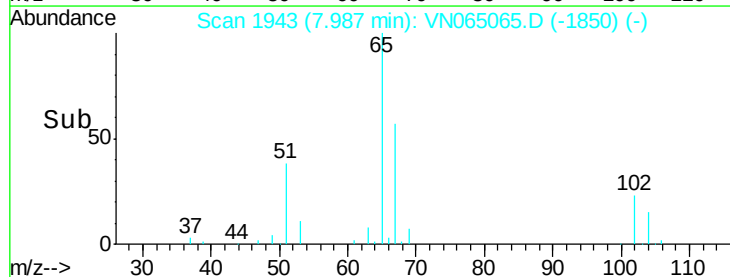
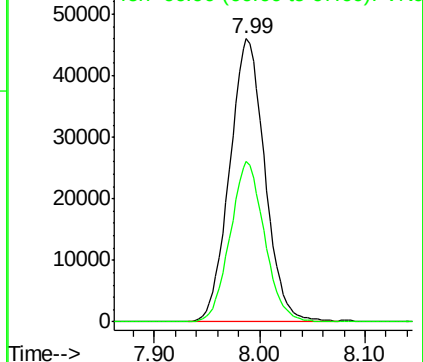
65 100

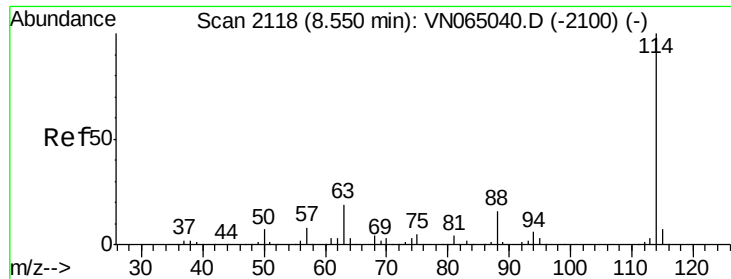
67 55.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

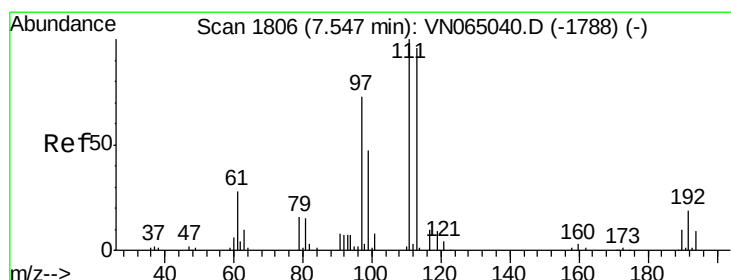
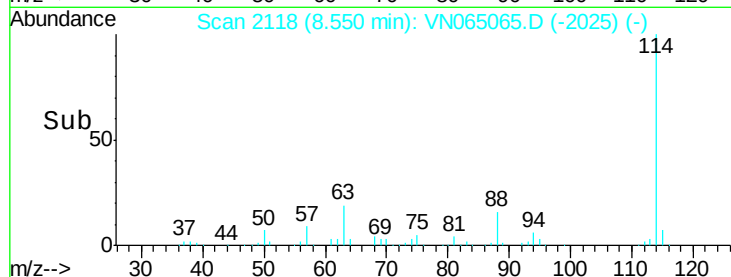
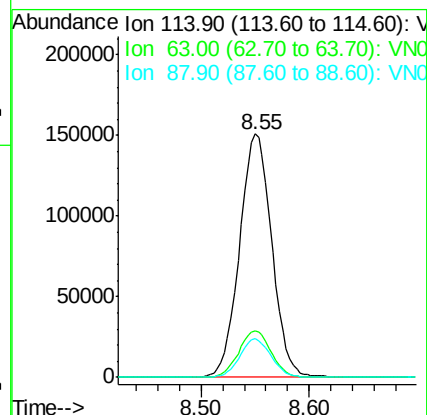
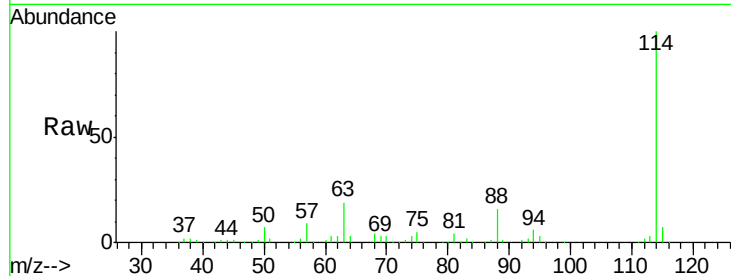




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN065065.D  
 Acq: 11 Dec 2020 3:24

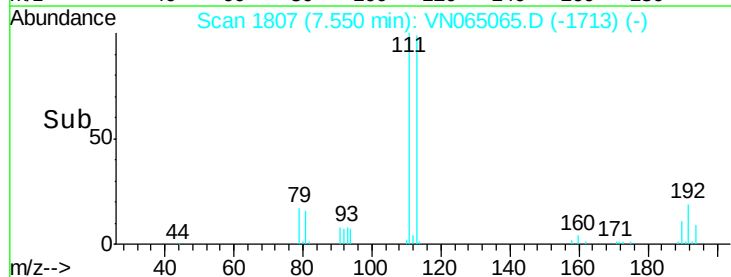
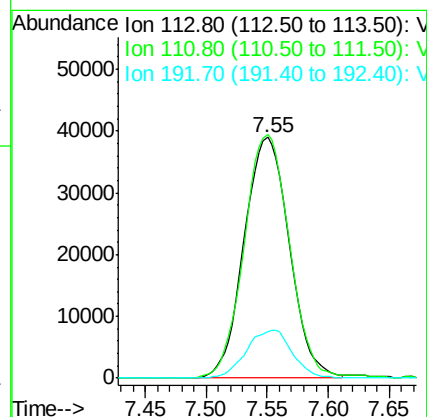
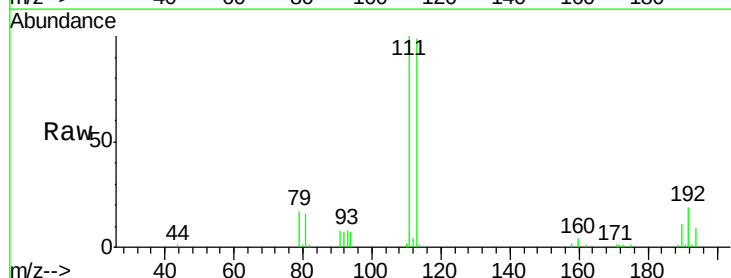
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133501ZHE#13

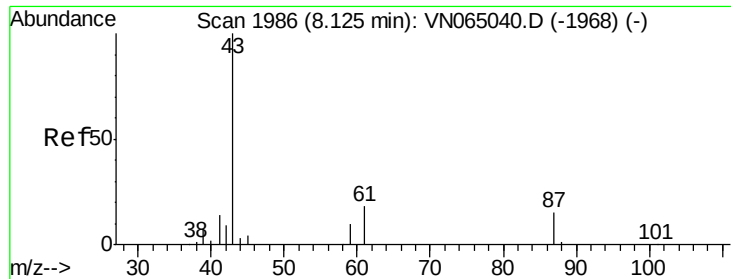
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.1  | 0.0   | 38.2  |
| 88      | 15.7  | 0.0   | 31.6  |



#35  
 Dibromofluoromethane  
 Concen: 48.120 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN065065.D  
 Acq: 11 Dec 2020 3:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 83.4  | 125.0 |
| 192     | 20.2  | 16.2  | 24.2  |





#43

Isopropyl Acetate

Concen: 3.522 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065065.D

Acq: 11 Dec 2020 3:24

Instrument :

MSVOA\_N

ClientSampleId :

PB133501ZHE#13

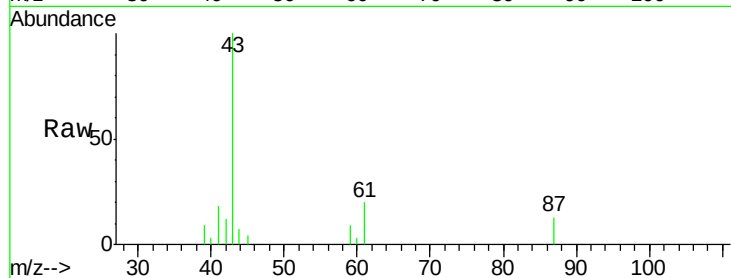
Tot Ion: 43 Resp: 14287

Ion Ratio Lower Upper

43 100

61 16.9 16.9 25.3

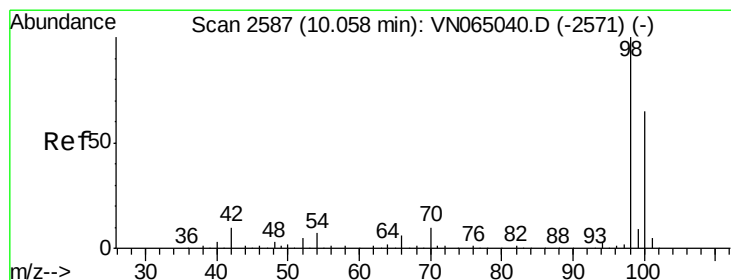
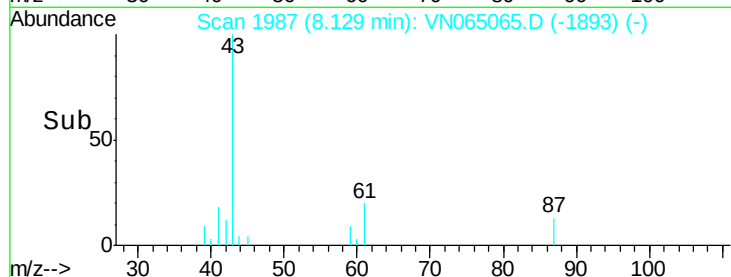
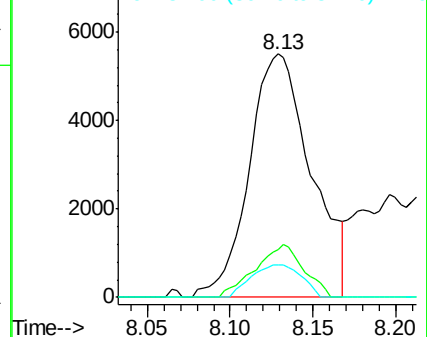
87 10.8 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN065040.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN065040.D (-1968) (-)



#50

Toluene-d8

Concen: 50.364 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065065.D

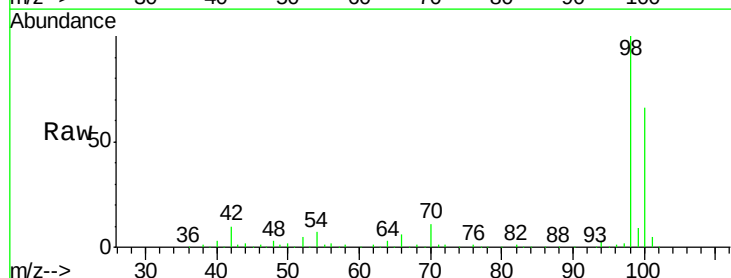
Acq: 11 Dec 2020 3:24

Tgt Ion: 98 Resp: 402219

Ion Ratio Lower Upper

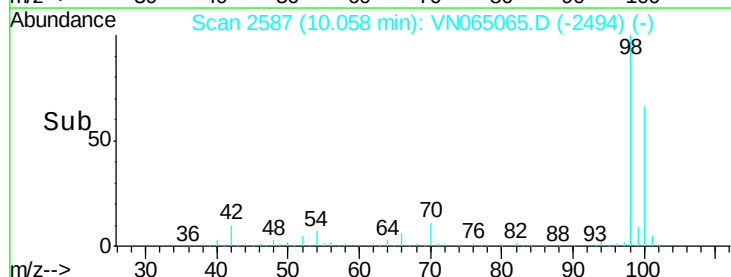
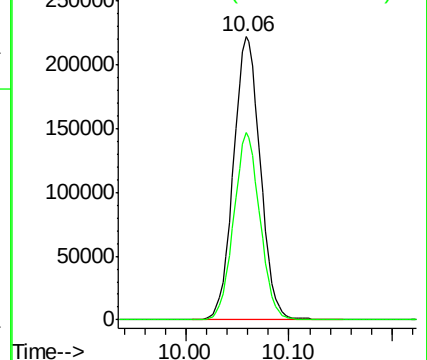
98 100

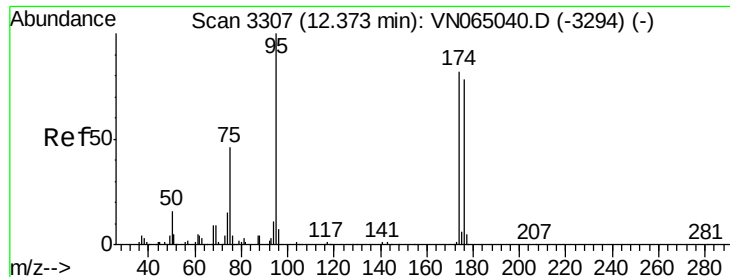
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN065040.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN065040.D (-2571) (-)





#62

4-Bromofluorobenzene

Concen: 54.182 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065065.D

Acq: 11 Dec 2020 3:24

Instrument :

MSVOA\_N

ClientSampleId :

PB133501ZHE#13

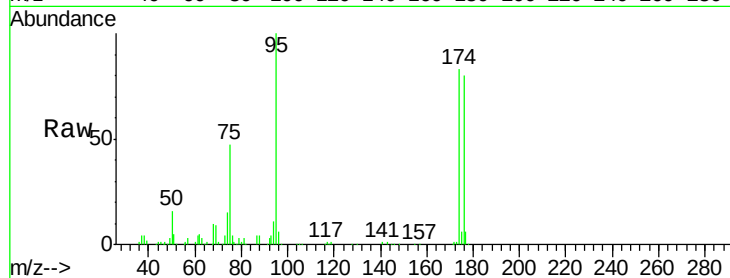
Tot Ion: 95 Resp: 148310

Ion Ratio Lower Upper

95 100

174 83.3 0.0 164.8

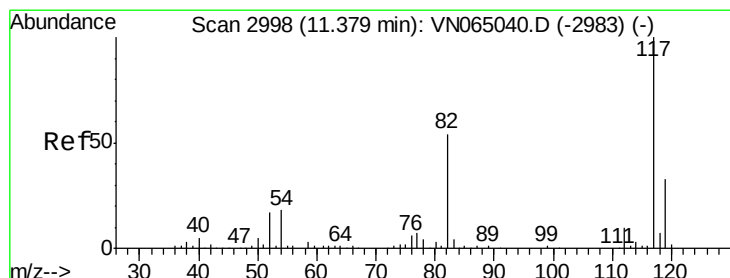
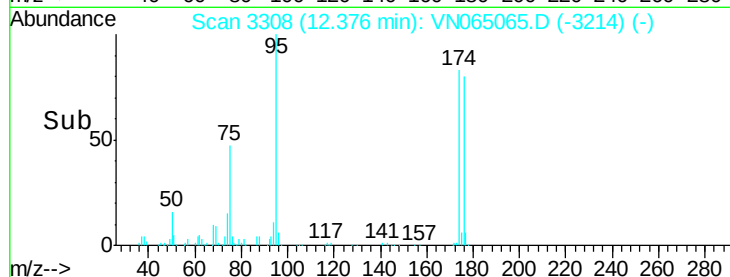
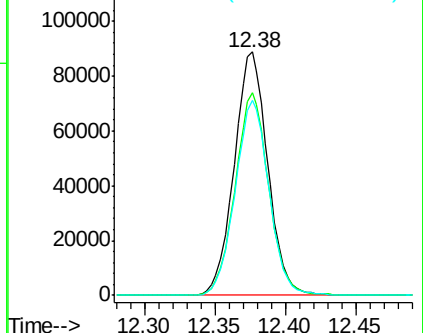
176 80.5 0.0 158.8



Abundance Ion 94.90 (94.60 to 95.60): VN065040.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN065040.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN065040.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065065.D

Acq: 11 Dec 2020 3:24

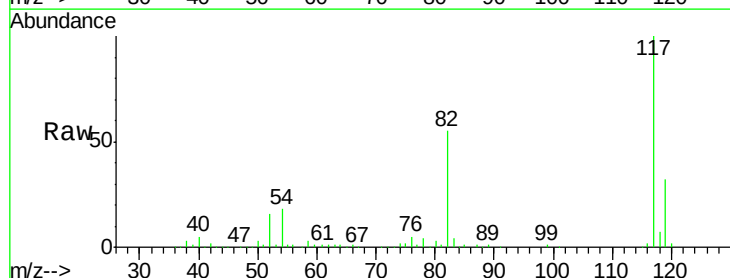
Tgt Ion: 117 Resp: 338201

Ion Ratio Lower Upper

117 100

82 55.2 43.5 65.3

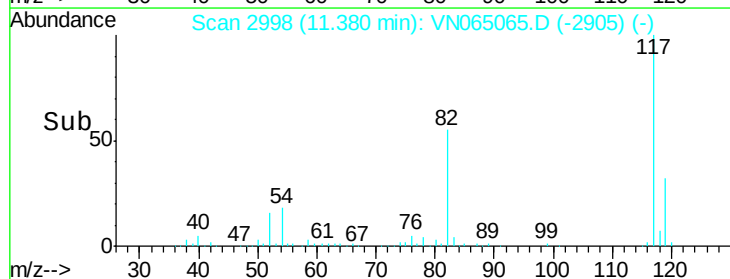
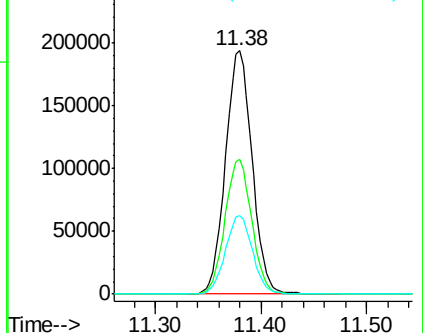
119 32.2 26.4 39.6

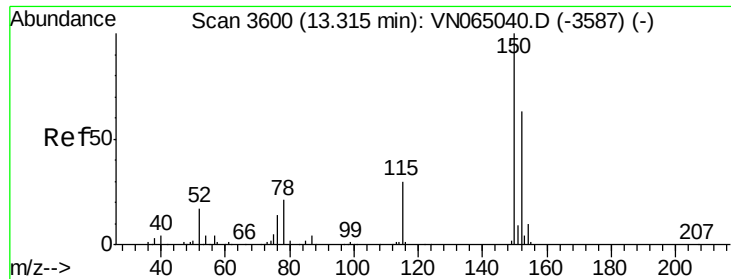


Abundance Ion 116.90 (116.60 to 117.60): VN065040.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN065040.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN065040.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065065.D

Acq: 11 Dec 2020 3:24

Instrument :

MSVOA\_N

ClientSampleId :

PB133501ZHE#13

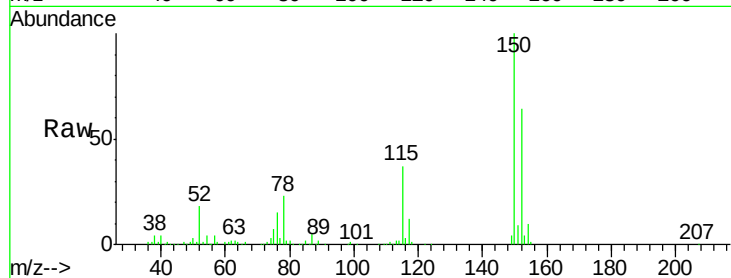
Tot Ion:152 Resp: 140696

Ion Ratio Lower Upper

152 100

115 57.1 29.3 88.0

150 156.6 0.0 345.8



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

