

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\  
 Data File : VN065029.D  
 Acq On : 9 Dec 2020 18:38  
 Operator : JC/MD  
 Sample : PB133472ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB133472ZHE#10

Quant Time: Dec 10 04:53:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112320W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 23 13:54:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 161585   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 316156   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 328899   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 137021   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65    | 105315   | 56.06    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 112.12% |
| 35) Dibromofluoromethane  | 7.55   | 113   | 95716    | 50.60    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 101.20% |
| 50) Toluene-d8            | 10.06  | 98    | 391178   | 50.61    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 101.22% |
| 62) 4-Bromofluorobenzene  | 12.38  | 95    | 145478   | 52.59    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 105.18% |

## Target Compounds

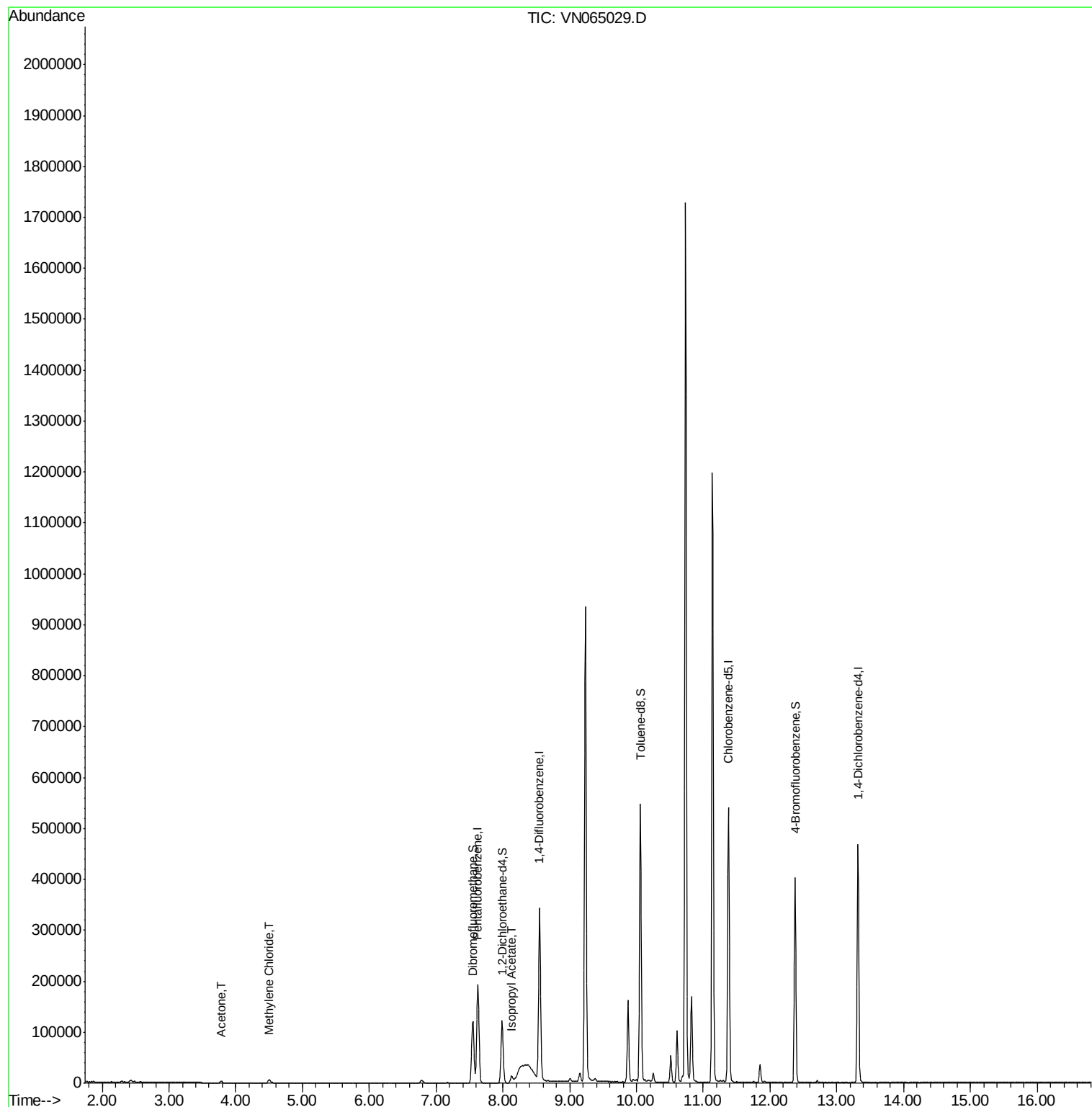
|                        |      |    |       |              | Qvalue |
|------------------------|------|----|-------|--------------|--------|
| 16) Acetone            | 3.78 | 43 | 5938  | 9.616 ug/l   | 89     |
| 20) Methylene Chloride | 4.51 | 84 | 5121  | 2.646 ug/l   | 94     |
| 43) Isopropyl Acetate  | 8.13 | 43 | 19406 | 4.272 ug/l # | 90     |

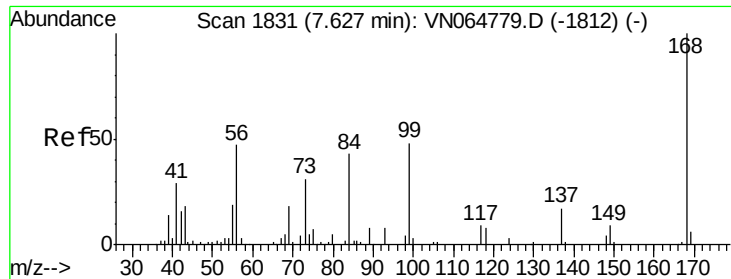
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112320W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 23 13:54:12 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN065029.D

Acq: 9 Dec 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

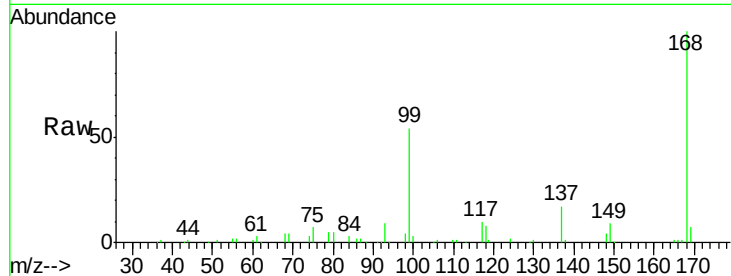
PB133472ZHE#10

Tot Ion:168 Resp: 161585

Ion Ratio Lower Upper

168 100

99 53.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN065029.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN065029.D (-1738) (-)

7.62

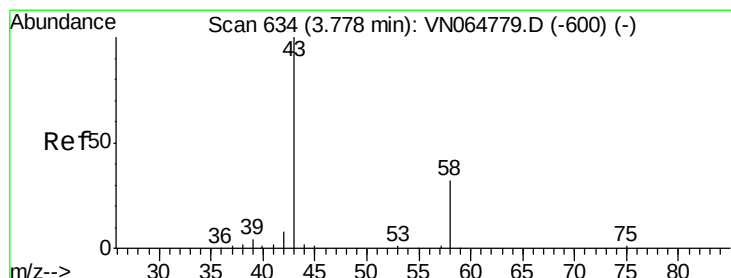
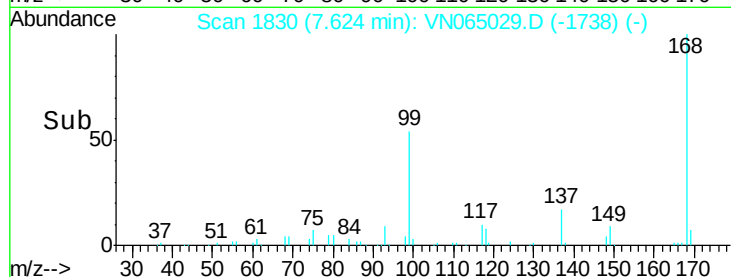
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 9.616 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN065029.D

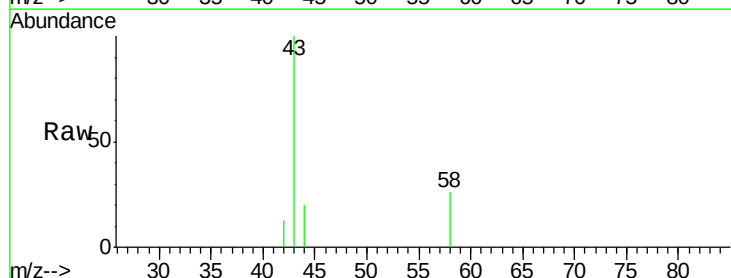
Acq: 9 Dec 2020 18:38

Tgt Ion: 43 Resp: 5938

Ion Ratio Lower Upper

43 100

58 26.2 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN065029.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN065029.D (-541) (-)

3.78

2500

2000

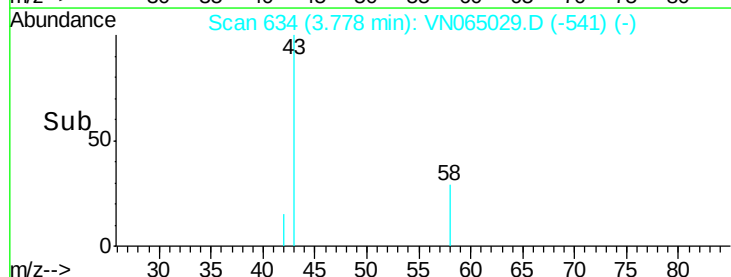
1500

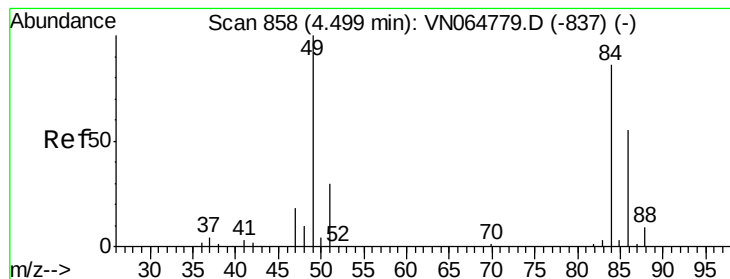
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 2.646 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN065029.D

Acq: 9 Dec 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

PB133472ZHE#10

Tot Ion: 84 Resp: 5121

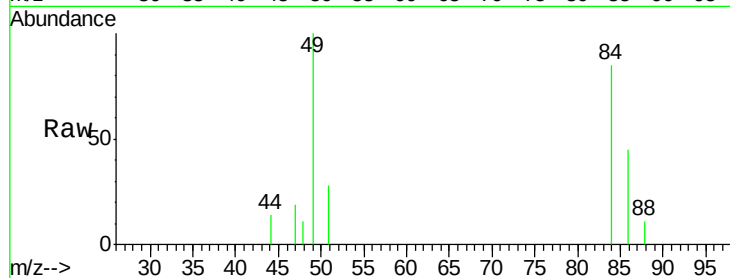
Ion Ratio Lower Upper

84 100

49 117.9 93.4 140.0

51 32.9 28.2 42.4

86 53.4 51.7 77.5

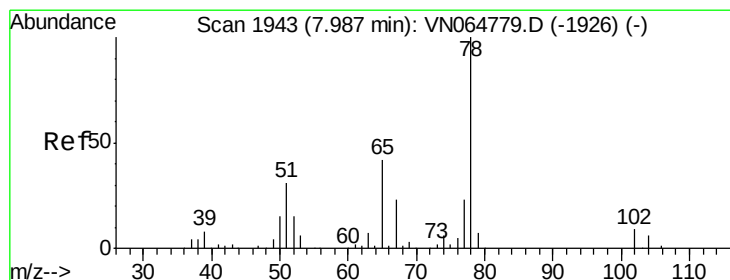
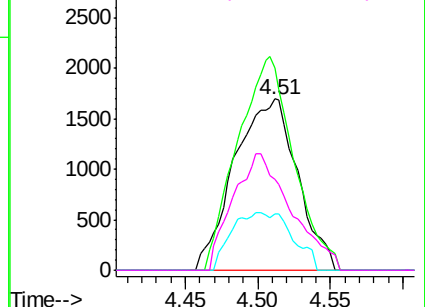
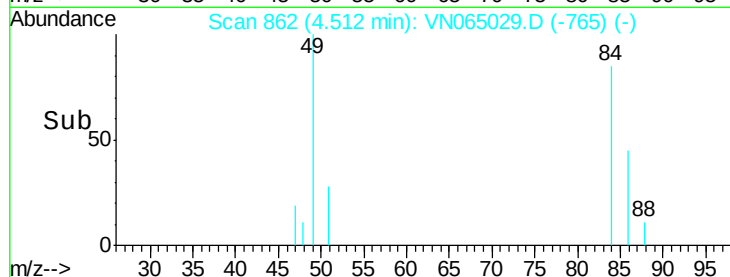


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 56.062 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065029.D

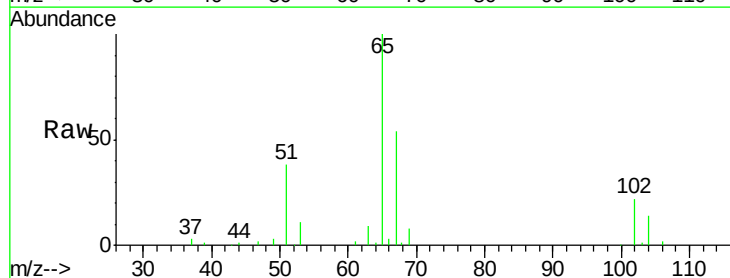
Acq: 9 Dec 2020 18:38

Tgt Ion: 65 Resp: 105315

Ion Ratio Lower Upper

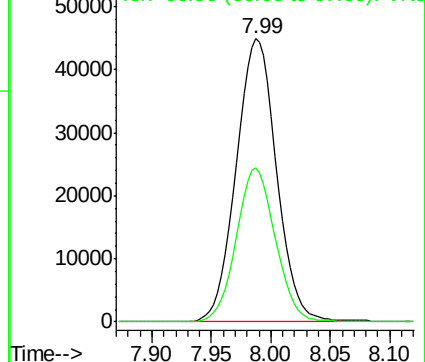
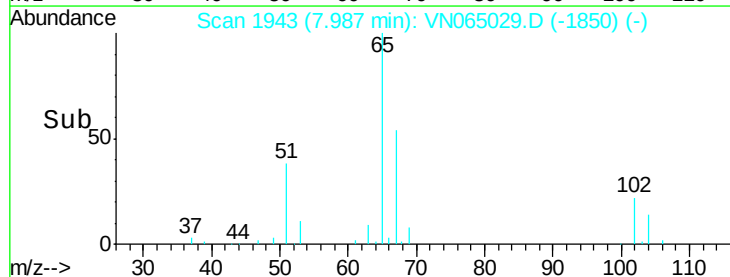
65 100

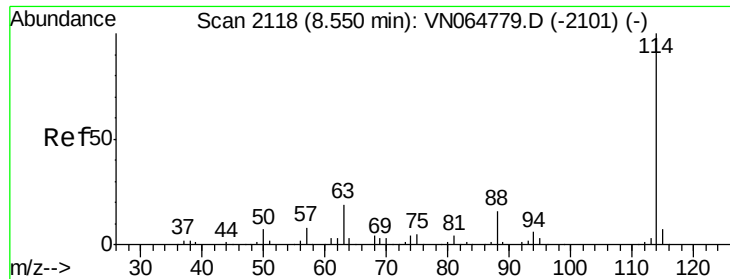
67 52.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

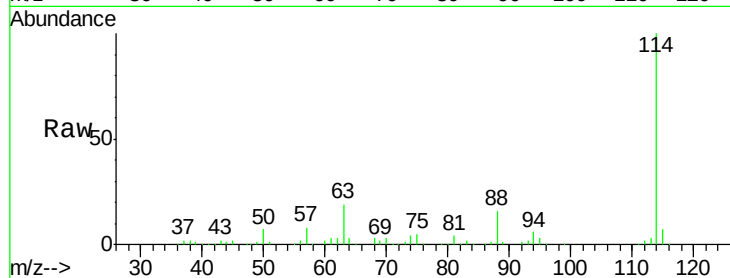




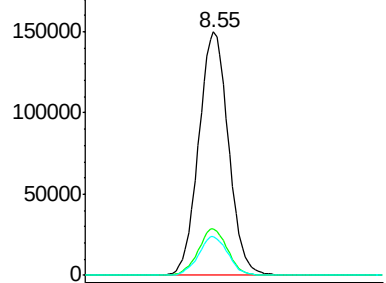
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2118  
Delta R.T. 0.00 min  
Lab File: VN065029.D  
Acq: 9 Dec 2020 18:38

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133472ZHE#10

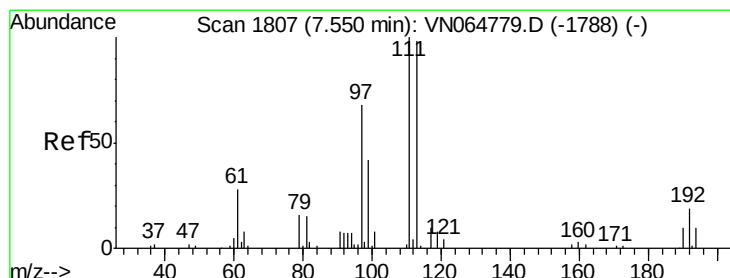
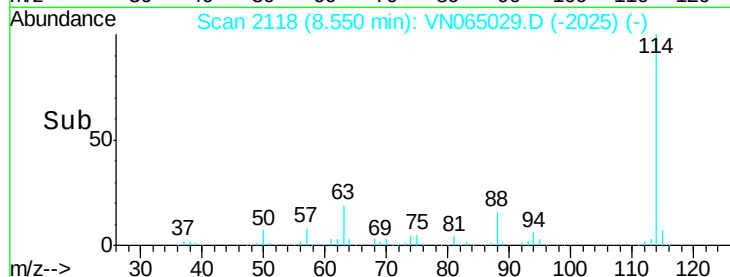
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.2  | 0.0   | 38.6  |
| 88      | 15.7  | 0.0   | 32.6  |



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

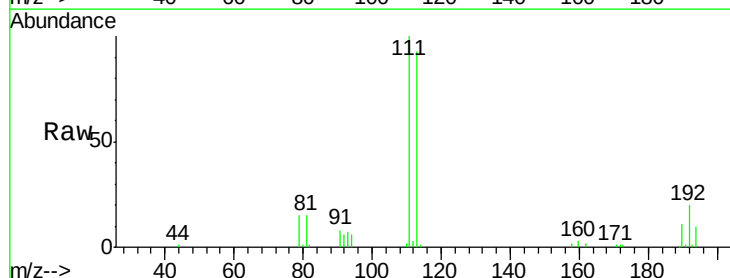


Time-->

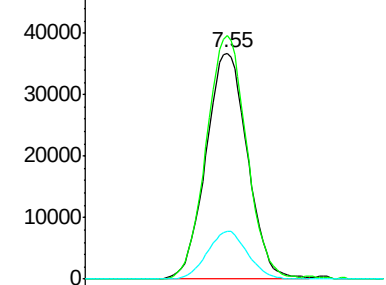


#35  
Dibromofluoromethane  
Concen: 50.596 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN065029.D  
Acq: 9 Dec 2020 18:38

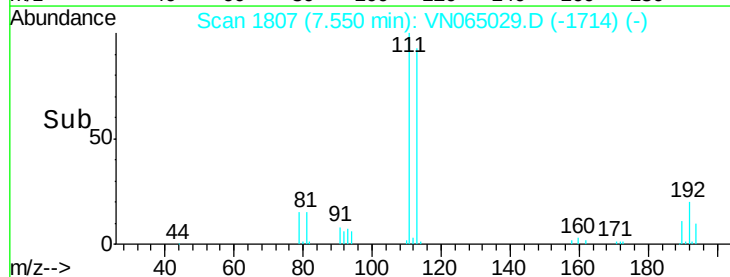
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.7 | 81.6  | 122.4 |
| 192     | 20.4  | 16.2  | 24.2  |

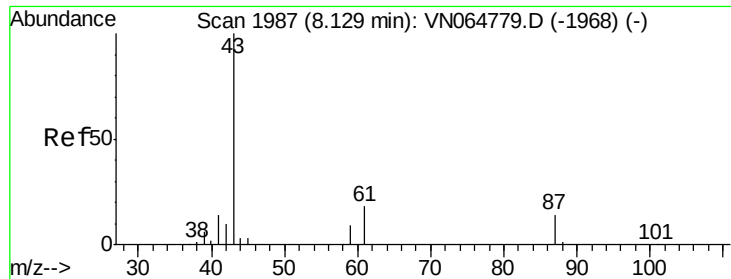


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



Time-->





#43

Isopropyl Acetate

Concen: 4.272 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN065029.D

Acq: 9 Dec 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

PB133472ZHE#10

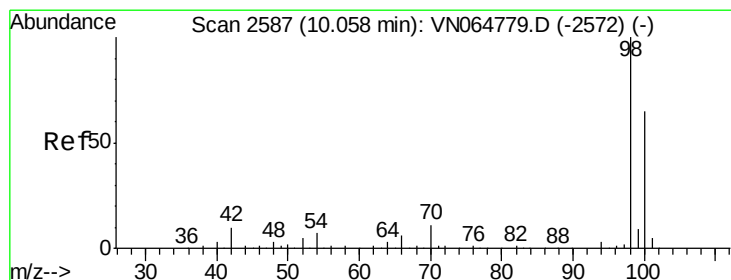
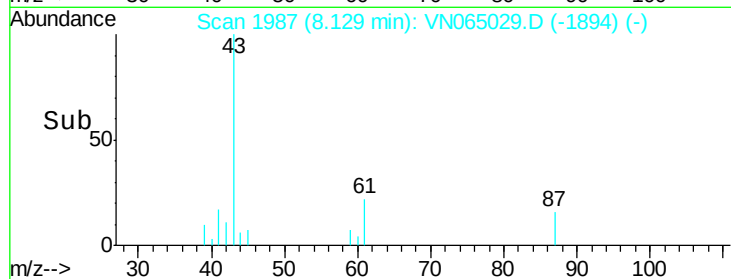
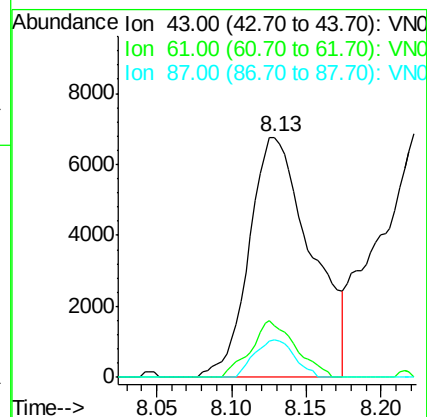
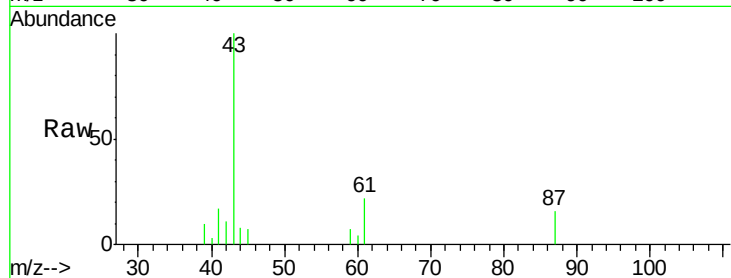
Tot Ion: 43 Resp: 19406

Ion Ratio Lower Upper

43 100

61 17.1 17.2 25.8#

87 10.1 11.4 17.0#



#50

Toluene-d8

Concen: 50.607 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065029.D

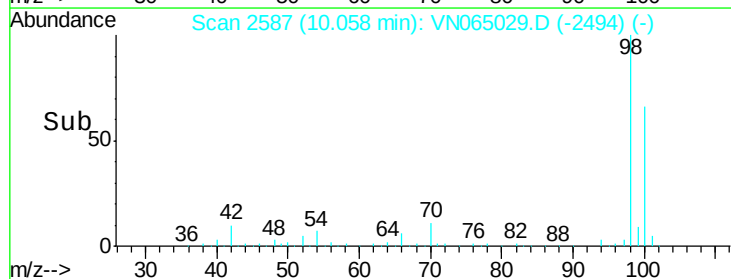
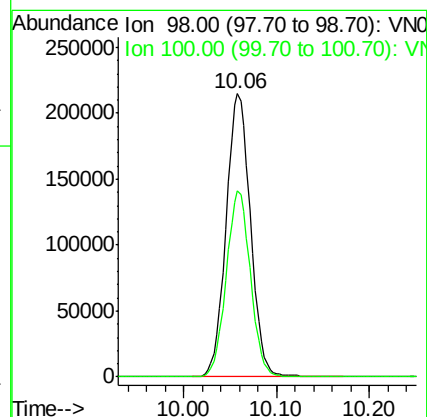
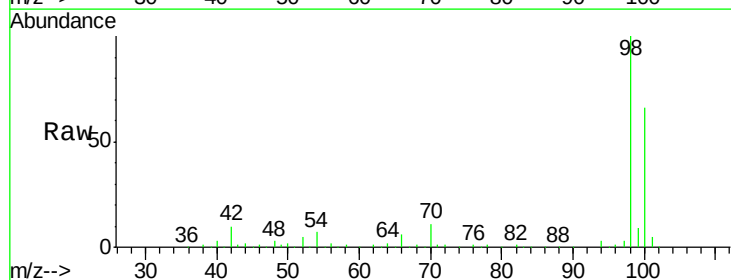
Acq: 9 Dec 2020 18:38

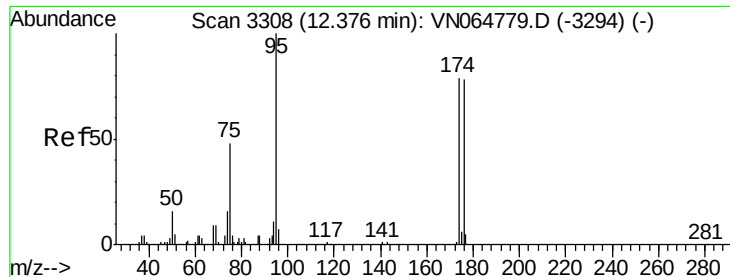
Tgt Ion: 98 Resp: 391178

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5

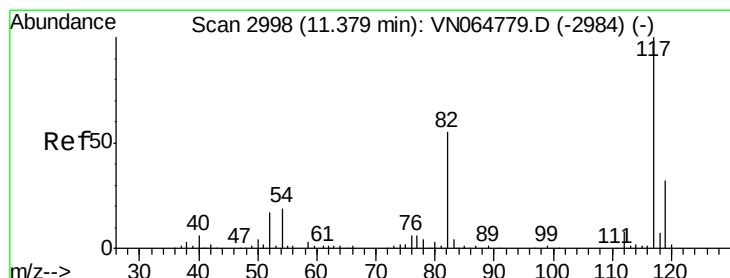
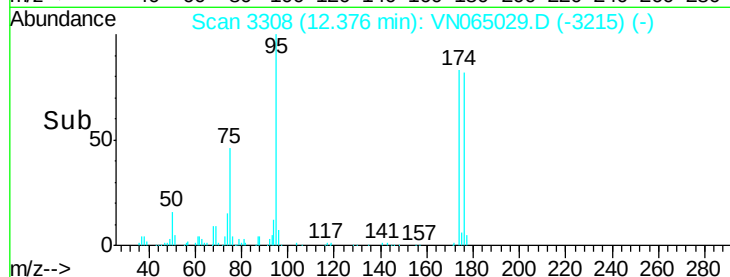
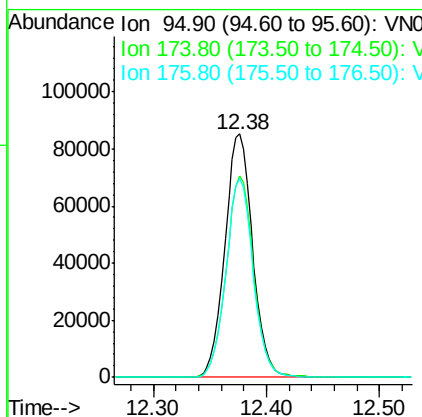
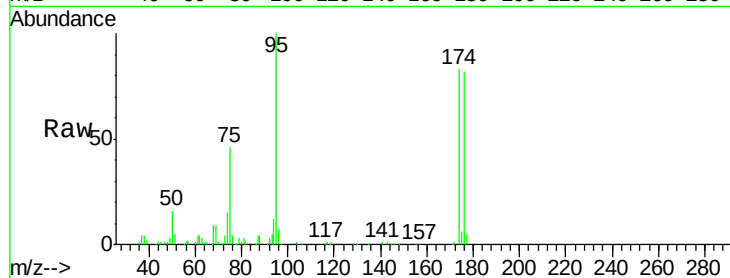




#62  
4-Bromofluorobenzene  
Concen: 52.590 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN065029.D  
Acq: 9 Dec 2020 18:38

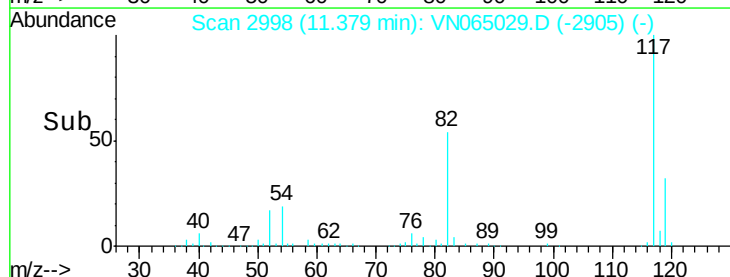
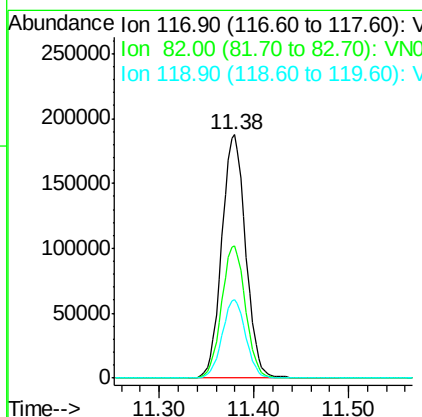
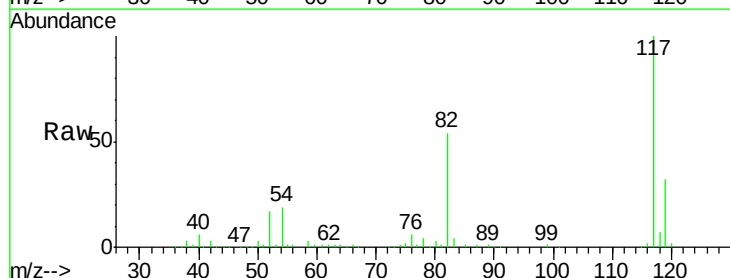
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB133472ZHE#10

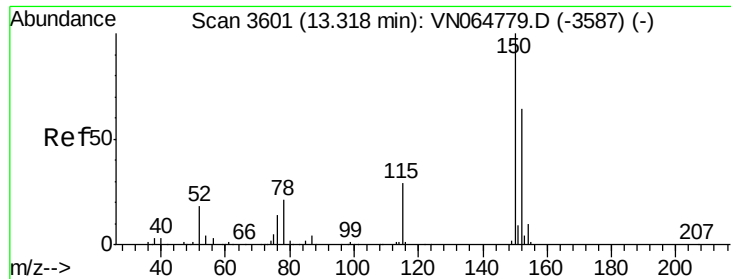
Tot Ion: 95 Resp: 145478  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 160.4  
176 80.0 0.0 158.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN065029.D  
Acq: 9 Dec 2020 18:38

Tgt Ion: 117 Resp: 328899  
Ion Ratio Lower Upper  
117 100  
82 54.2 44.2 66.2  
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065029.D

Acq: 9 Dec 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

PB133472ZHE#10

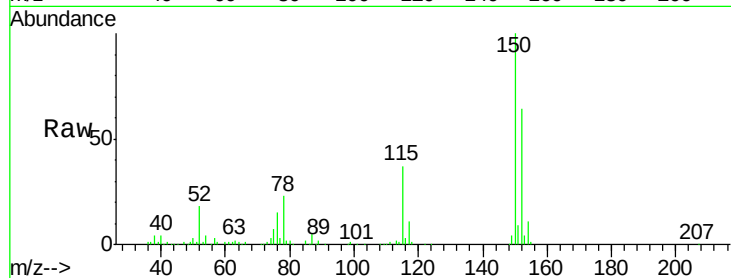
Tot Ion:152 Resp: 137021

Ion Ratio Lower Upper

152 100

115 57.5 29.7 89.1

150 156.8 0.0 350.6



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

