

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057132.D
 Acq On : 8 Aug 2019 15:09
 Operator : JC/SP
 Sample : K4204-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 13967

Quant Time: Aug 09 04:05:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

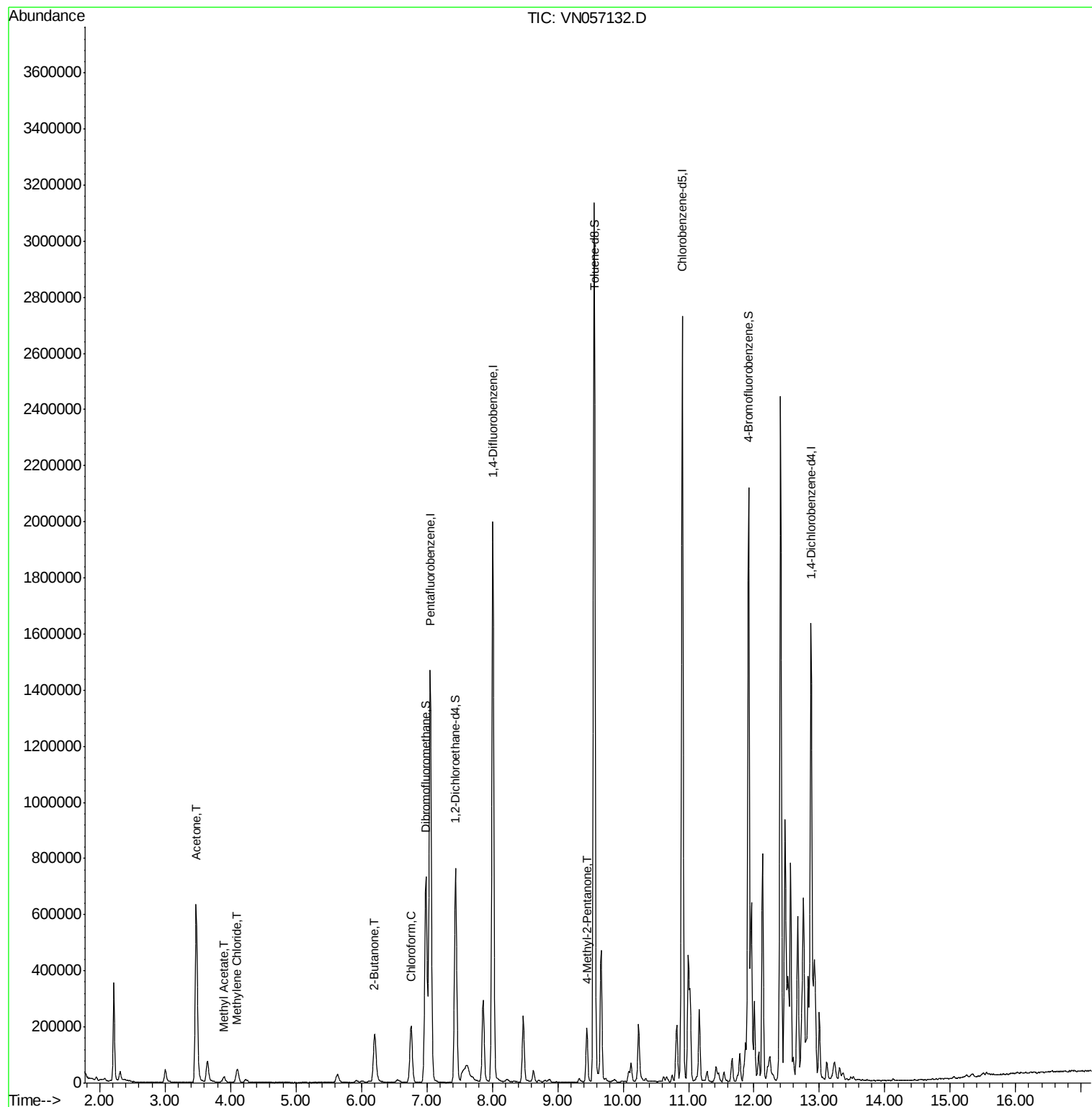
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1402493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1987175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1668952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	480076	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	657487	45.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.16%	
35) Dibromofluoromethane	6.99	113	598586	48.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.00%	
50) Toluene-d8	9.56	98	2308072	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.92	95	666654	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	
Target Compounds						
16) Acetone	3.47	43	970870	222.884	ug/l	99
18) Methyl Acetate	3.90	43	34440	2.023	ug/l	100
20) Methylene Chloride	4.10	84	35736	2.486	ug/l	96
25) 2-Butanone	6.20	43	339001	50.938	ug/l	100
30) Chloroform	6.76	83	232287	9.651	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	131807	9.840	ug/l	99

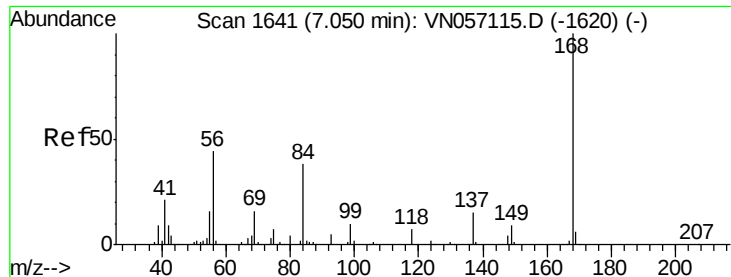
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

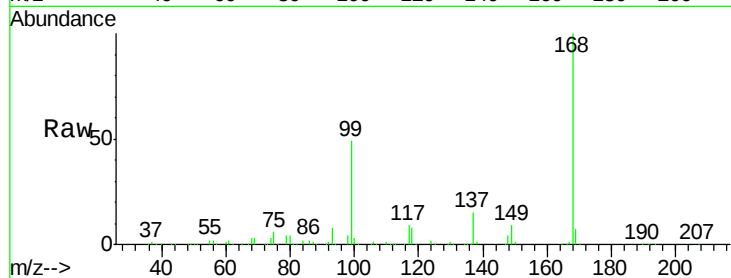
13967

Tot Ion:168 Resp: 1402493

Ion Ratio Lower Upper

168 100

99 49.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

600000

500000

400000

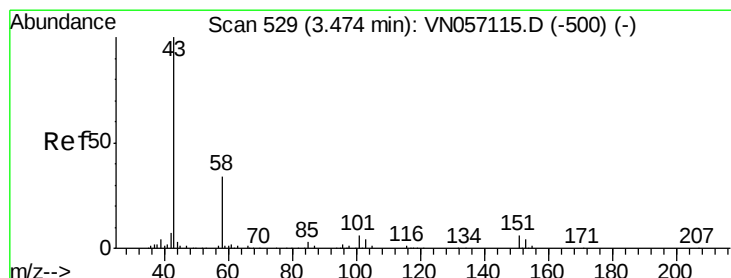
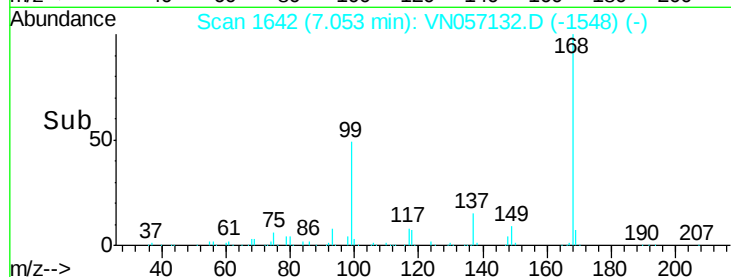
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 222.884 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057132.D

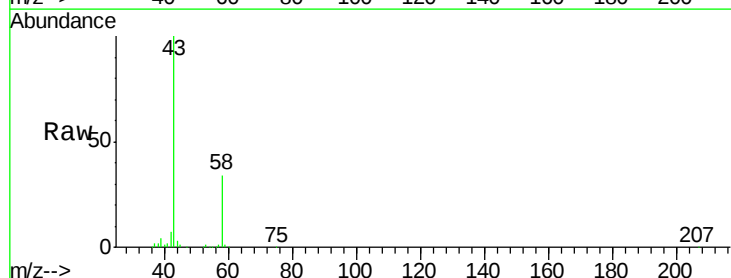
Acq: 8 Aug 2019 15:09

Tgt Ion: 43 Resp: 970870

Ion Ratio Lower Upper

43 100

58 33.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.47

400000

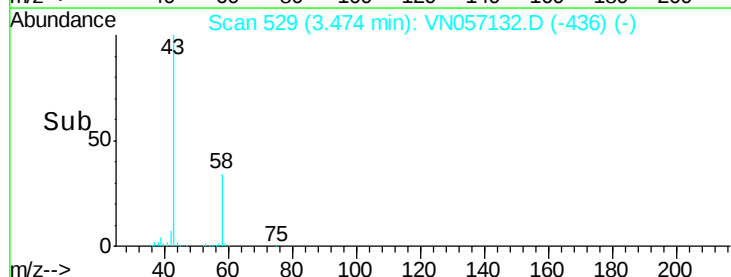
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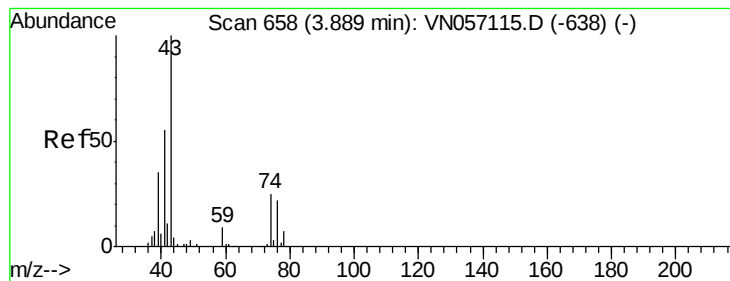
200000

100000

0

Time--> 3.40 3.50 3.60





#18

Methvl Acetate

Concen: 2.023 ug/l

RT: 3.90 min Scan# 661

Delta R.T. 0.01 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

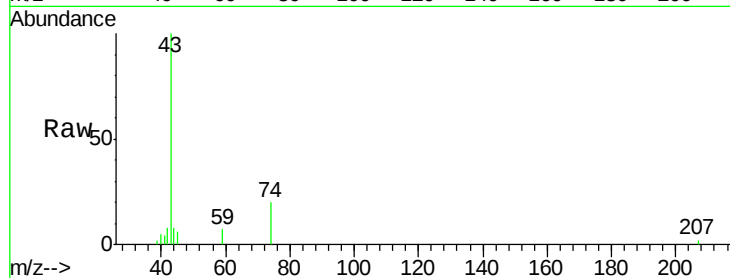
13967

Tot Ion: 43 Resp: 34440

Ion Ratio Lower Upper

43 100

74 25.5 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

3.90

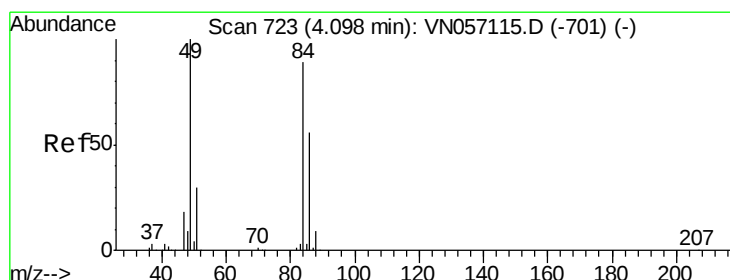
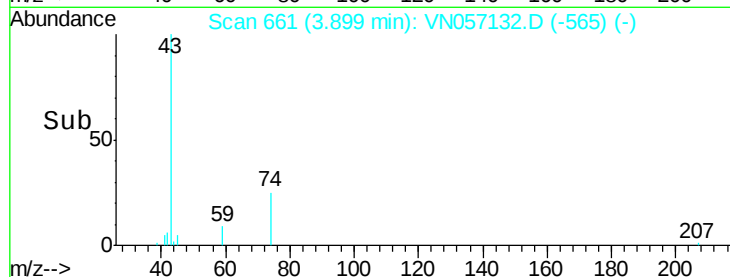
15000

10000

5000

0

Time--> 3.80 3.85 3.90 3.95



#20

Methylene Chloride

Concen: 2.486 ug/l

RT: 4.10 min Scan# 724

Delta R.T. 0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Tgt Ion: 84 Resp: 35736

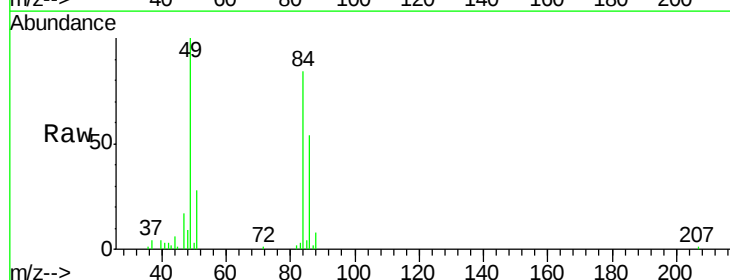
Ion Ratio Lower Upper

84 100

49 119.1 89.5 134.3

51 33.3 27.2 40.8

86 64.6 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

20000

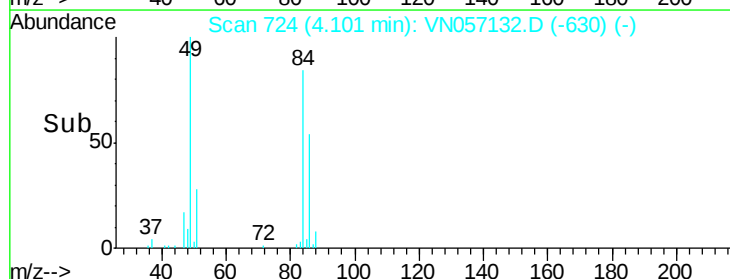
15000

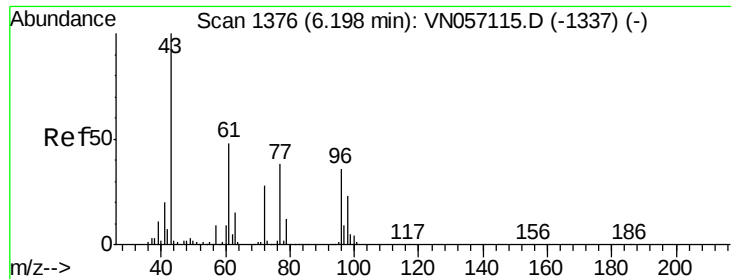
10000

5000

0

Time--> 4.00 4.05 4.10 4.15 4.20

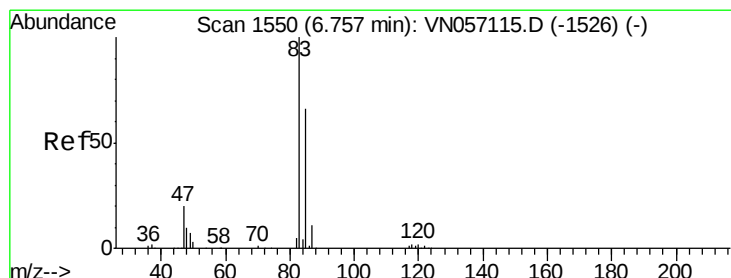
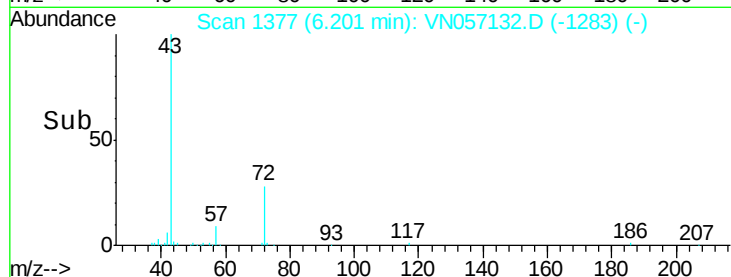
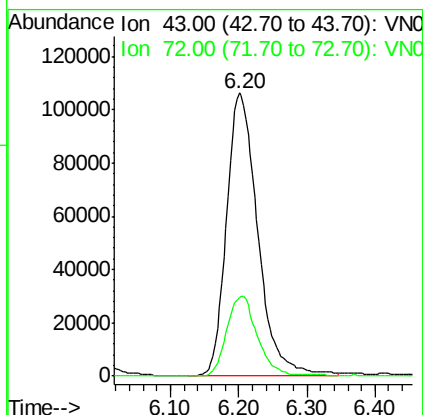
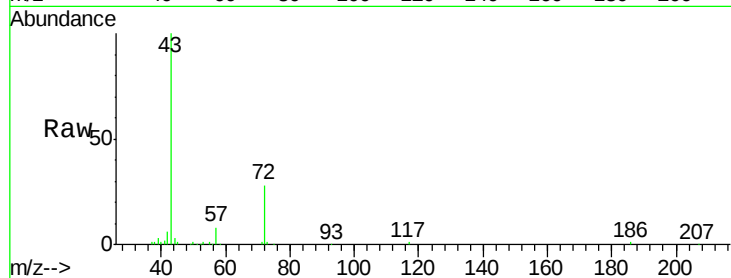




#25
2-Butanone
Concen: 50.938 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057132.D
Acq: 8 Aug 2019 15:09

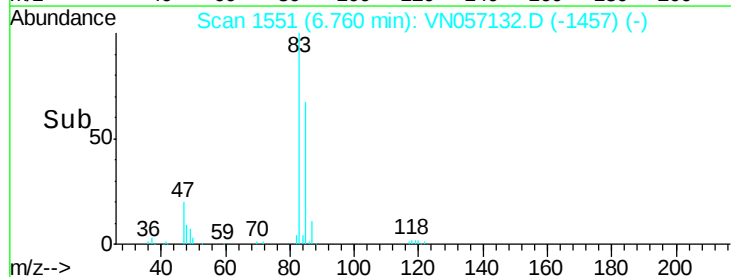
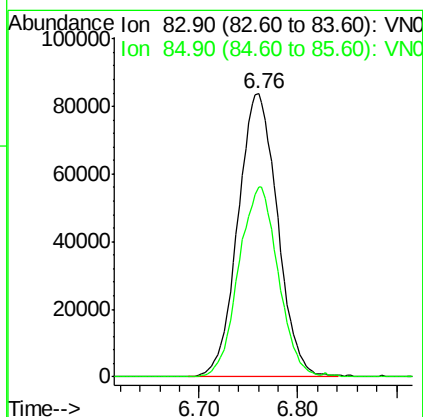
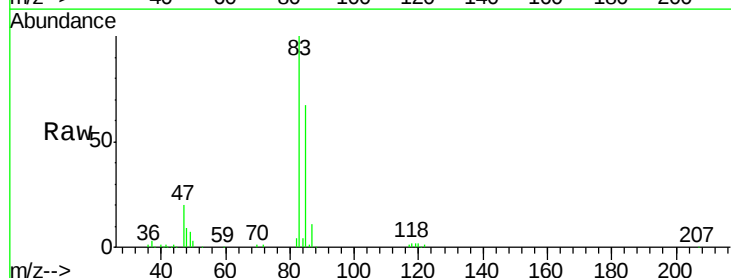
Instrument :
MSVOA_N
ClientSampled :
13967

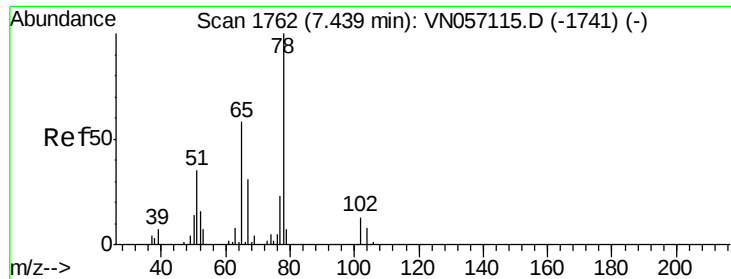
Tot Ion: 43 Resp: 339001
Ion Ratio Lower Upper
43 100
72 27.9 22.2 33.4



#30
Chloroform
Concen: 9.651 ug/l
RT: 6.76 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VN057132.D
Acq: 8 Aug 2019 15:09

Tgt Ion: 83 Resp: 232287
Ion Ratio Lower Upper
83 100
85 67.3 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 45.584 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Instrument :

MSVOA_N

ClientSampled :

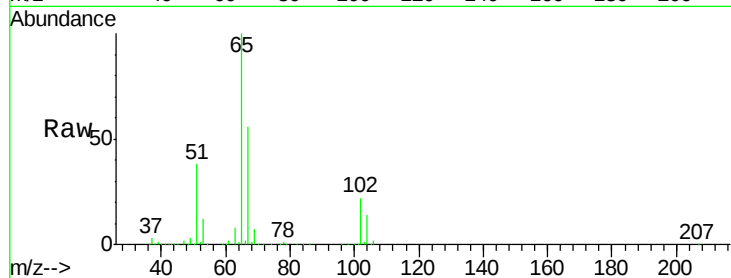
13967

Tot Ion: 65 Resp: 657487

Ion Ratio Lower Upper

65 100

67 55.3 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.44

300000

250000

200000

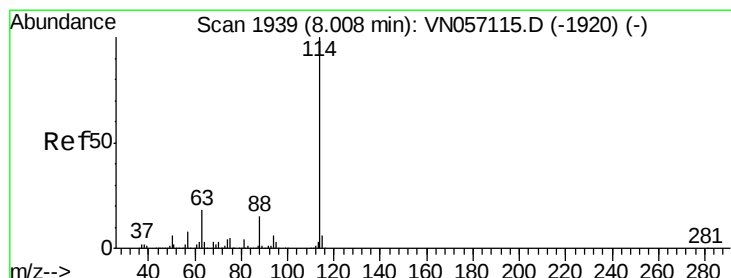
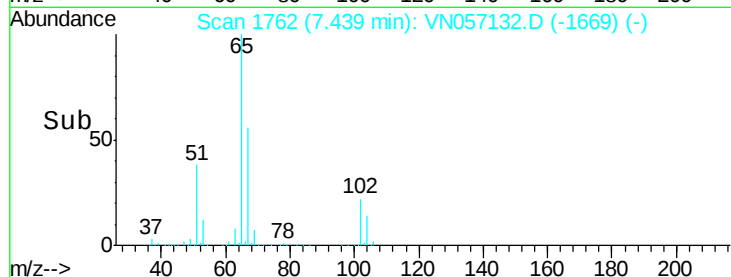
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

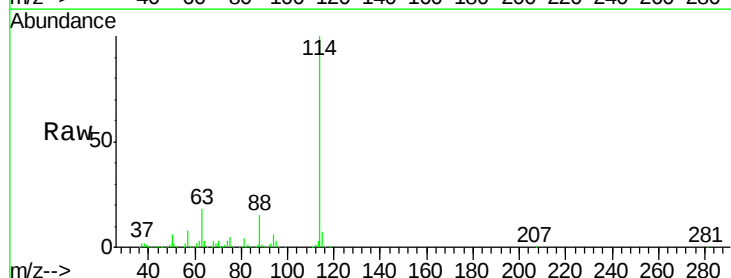
Tgt Ion: 114 Resp: 1987175

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.2

88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

1200000

1000000

800000

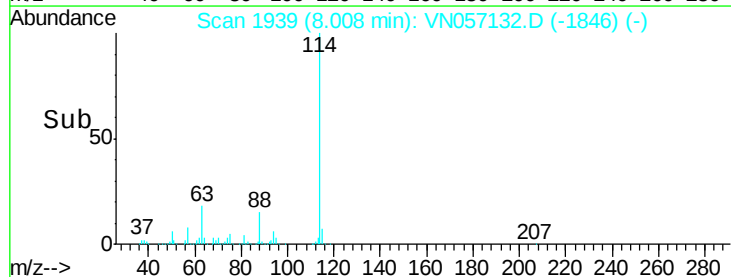
600000

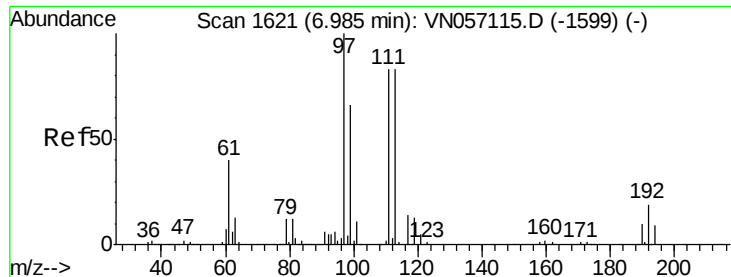
400000

200000

0

Time--> 7.90 8.00 8.10

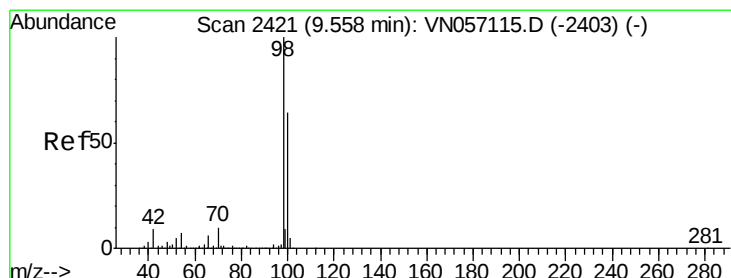
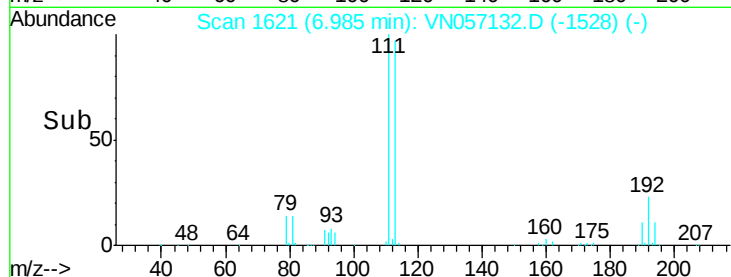
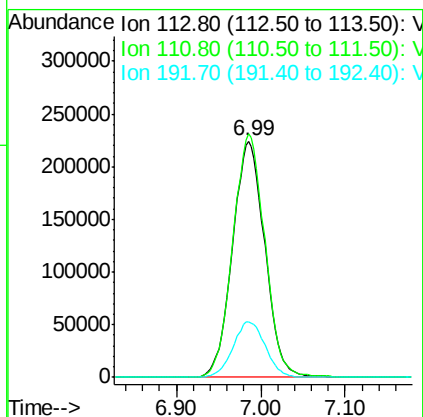
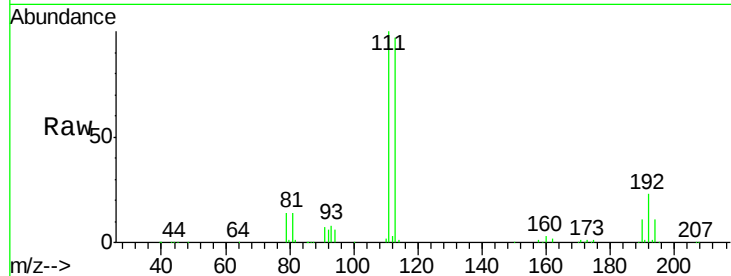




#35
 Dibromofluoromethane
 Concen: 48.003 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057132.D
 Acq: 8 Aug 2019 15:09

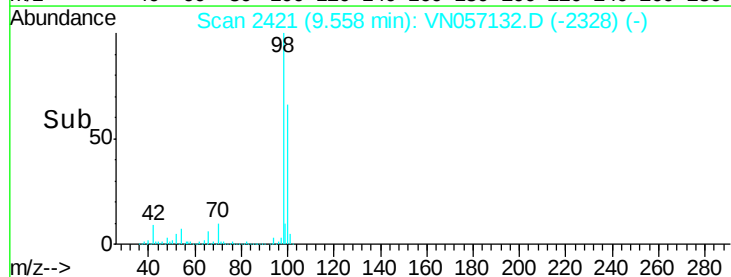
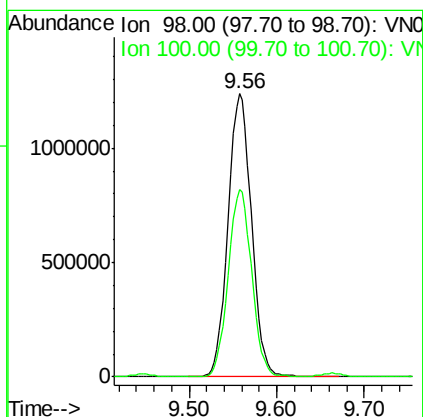
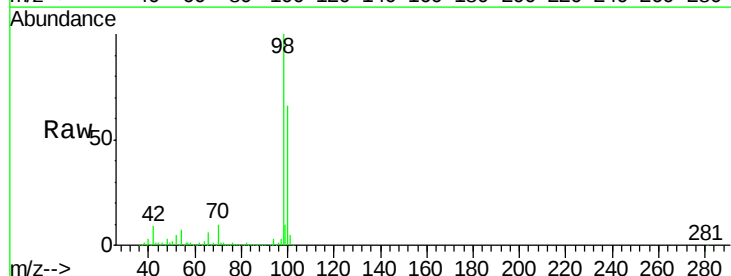
Instrument :
 MSVOA_N
 ClientSampled :
 13967

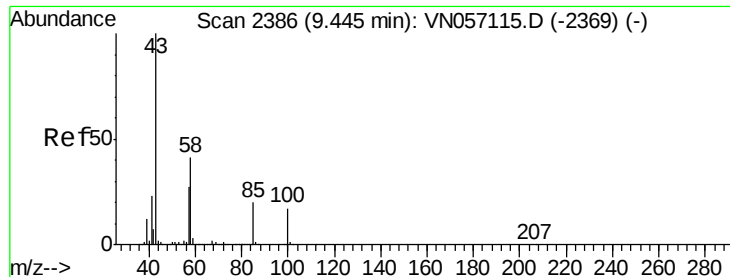
Tot Ion:113 Resp: 598586
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.3 121.9
 192 23.5 19.0 28.4



#50
 Toluene-d8
 Concen: 48.380 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: VN057132.D
 Acq: 8 Aug 2019 15:09

Tgt Ion: 98 Resp: 2308072
 Ion Ratio Lower Upper
 98 100
 100 66.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 9.840 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

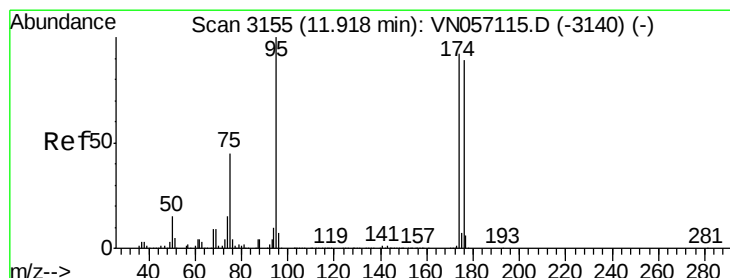
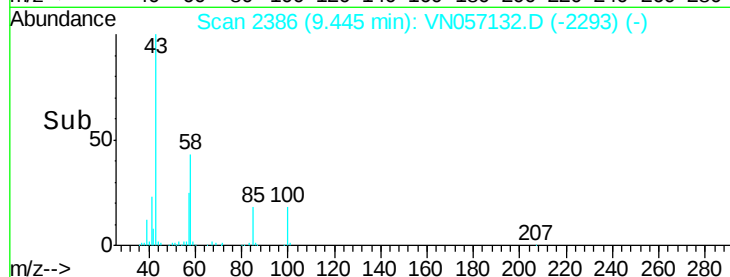
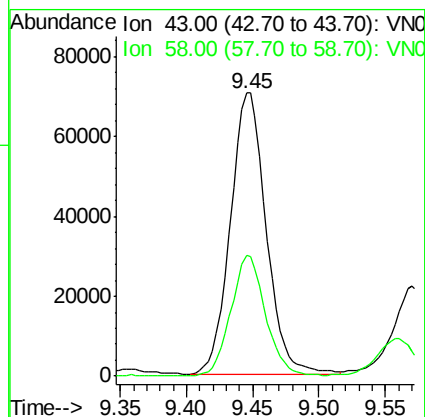
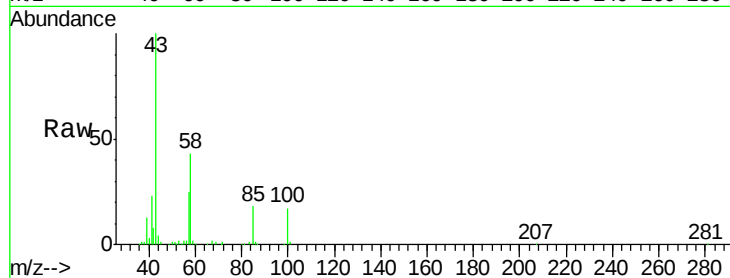
13967

Tot Ion: 43 Resp: 131807

Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8



#62

4-Bromofluorobenzene

Concen: 43.369 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

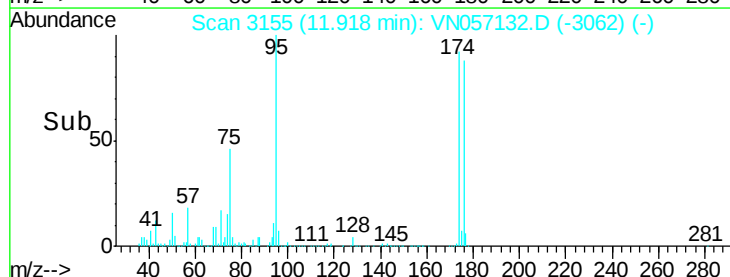
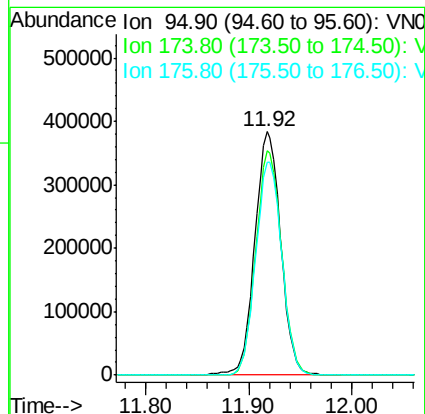
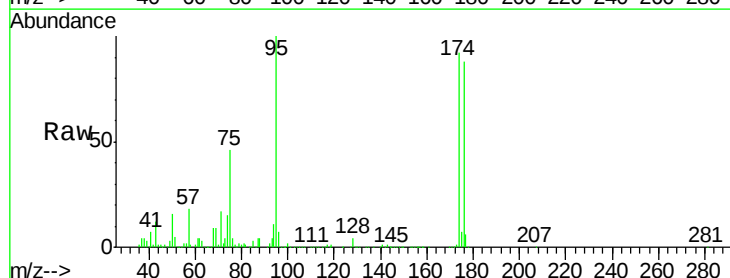
Tgt Ion: 95 Resp: 666654

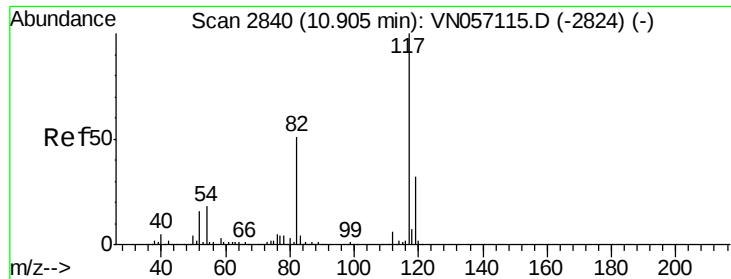
Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.0

176 88.1 0.0 181.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

Instrument :

MSVOA_N

ClientSampleId :

13967

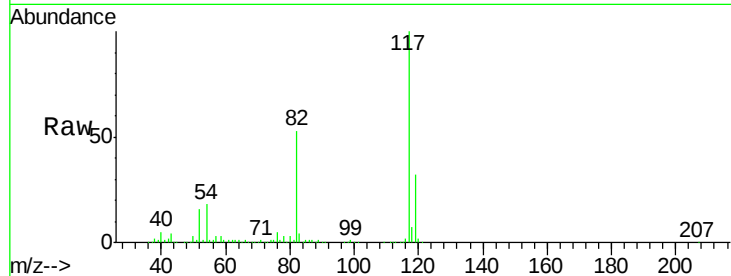
Tot Ion:117 Resp: 1668952

Ion Ratio Lower Upper

117 100

82 52.9 40.8 61.2

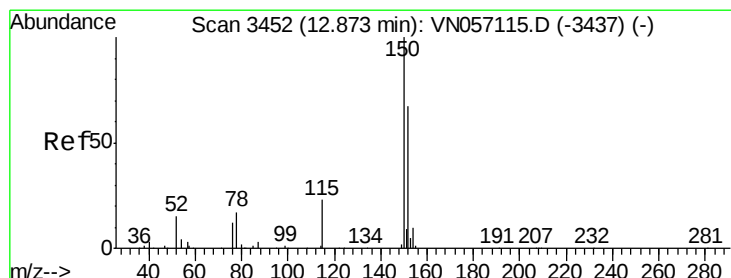
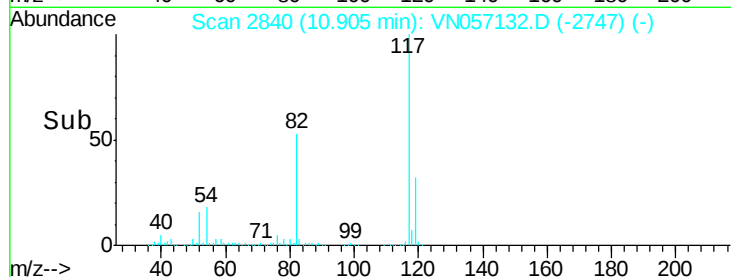
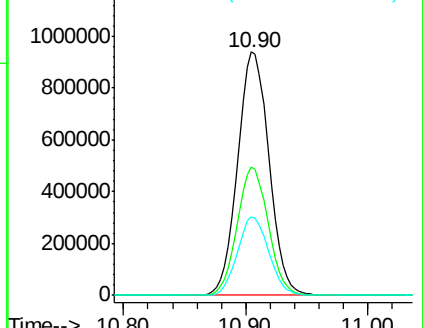
119 32.4 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. -0.00 min

Lab File: VN057132.D

Acq: 8 Aug 2019 15:09

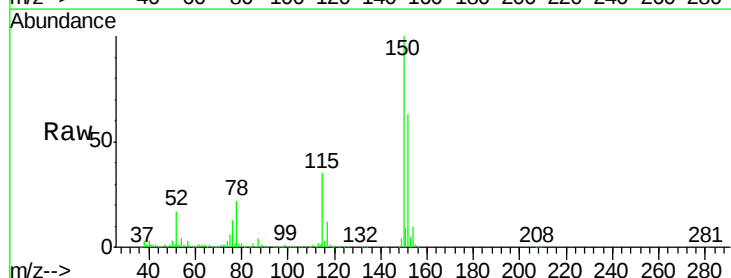
Tgt Ion:152 Resp: 480076

Ion Ratio Lower Upper

152 100

115 55.5 27.5 82.5

150 156.0 0.0 341.6



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

