

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049420.D
 Acq On : 20 Jun 2018 7:03
 Operator : MD\SY
 Sample : J3249-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-061818-E

Quant Time: Jun 20 08:35:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1136290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1817600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1473263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	477205	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	763485	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	675645	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	10.09	98	2462519	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
62) 4-Bromofluorobenzene	12.40	95	644983	34.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.68%	

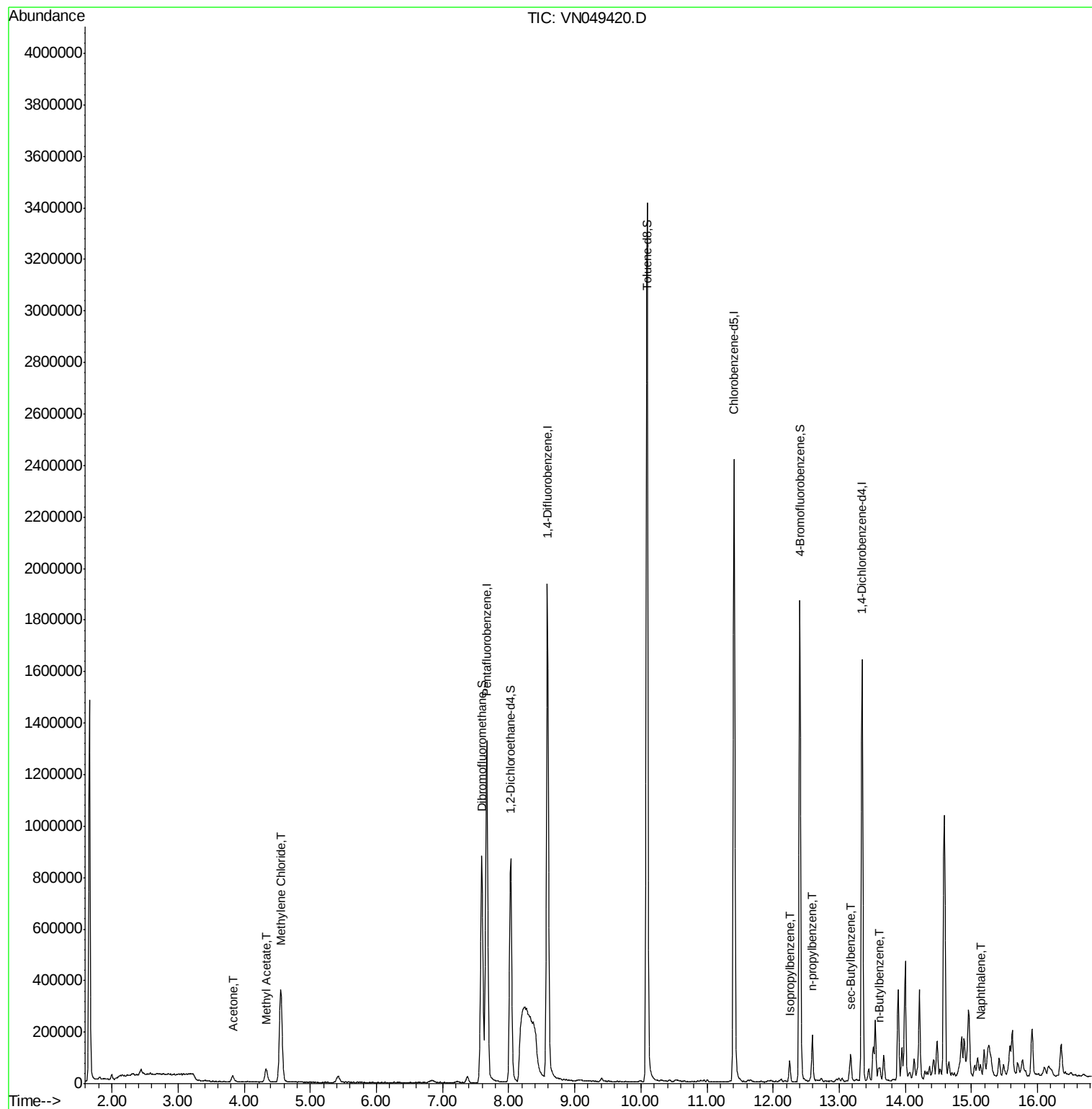
Target Compounds						Qvalue
16) Acetone	3.82	43	39485	10.790	ug/l	97
18) Methyl Acetate	4.33	43	100858	9.039	ug/l	98
20) Methylene Chloride	4.55	84	275665	18.037	ug/l	91
73) Isopropylbenzene	12.25	105	50758	1.211	ug/l	93
78) n-propylbenzene	12.59	91	134802	2.930	ug/l	99
85) sec-Butylbenzene	13.17	105	62422	1.607	ug/l	82
89) n-Butylbenzene	13.62	91	29954	1.182	ug/l #	77
95) Naphthalene	15.14	128	36563	4.825	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049420.D

Acq: 20 Jun 2018 7:03

Instrument :

MSVOA_N

ClientSampleId :

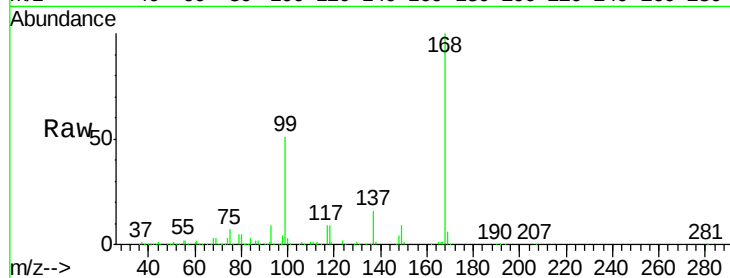
PL-01-061818-E

Tot Ion:168 Resp: 1136290

Ion Ratio Lower Upper

168 100

99 51.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

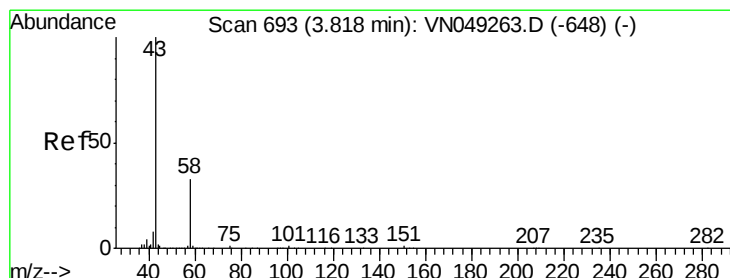
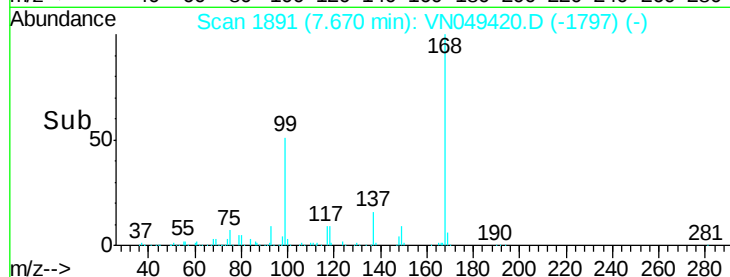
200000

100000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 10.790 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049420.D

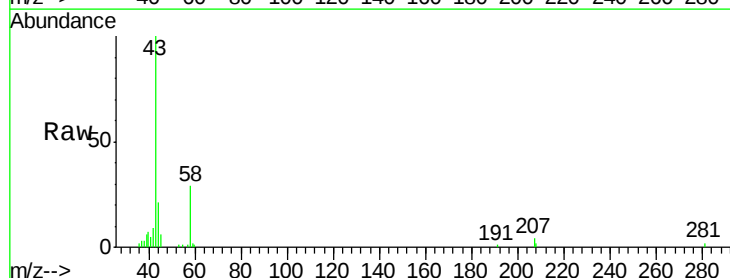
Acq: 20 Jun 2018 7:03

Tgt Ion: 43 Resp: 39485

Ion Ratio Lower Upper

43 100

58 29.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

15000

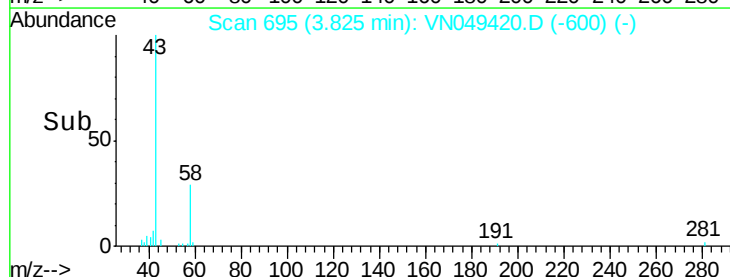
10000

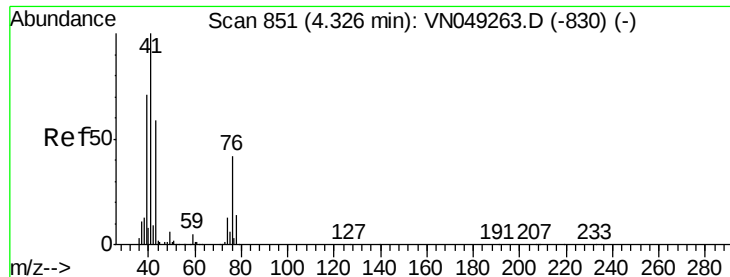
5000

0

Time-->

3.75 3.80 3.85 3.90

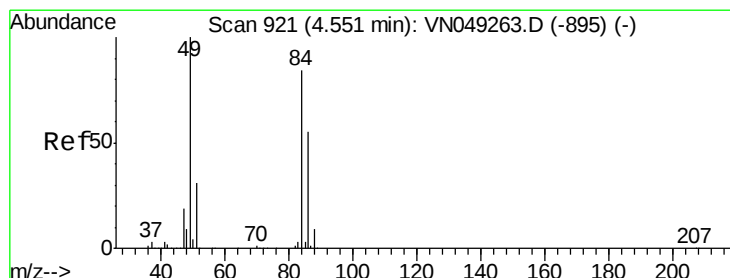
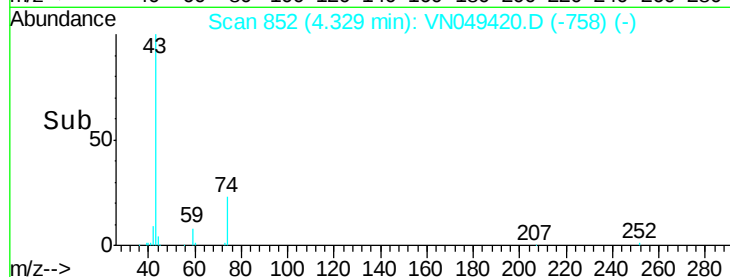
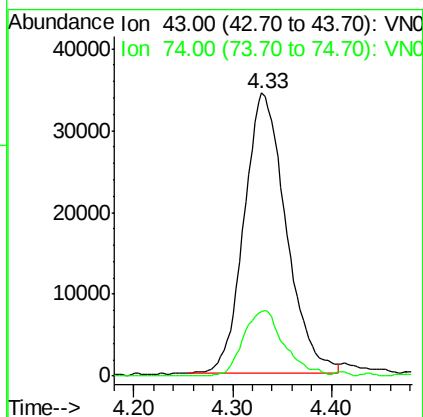
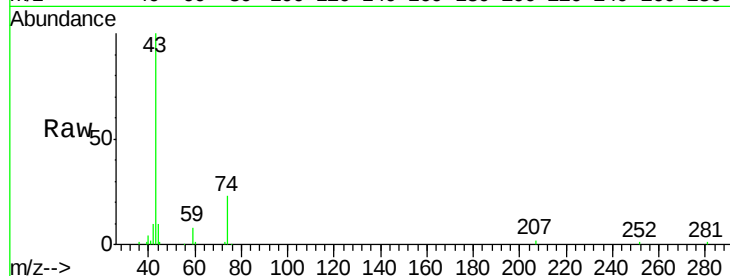




#18
Methvl Acetate
Concen: 9.039 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

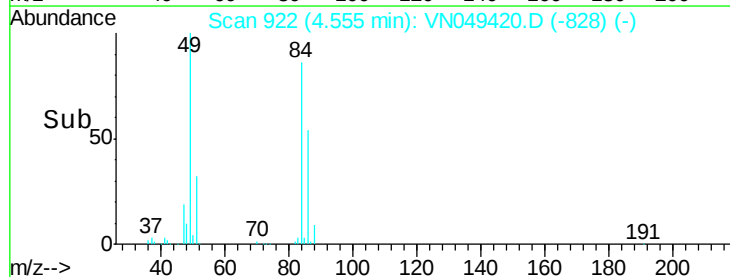
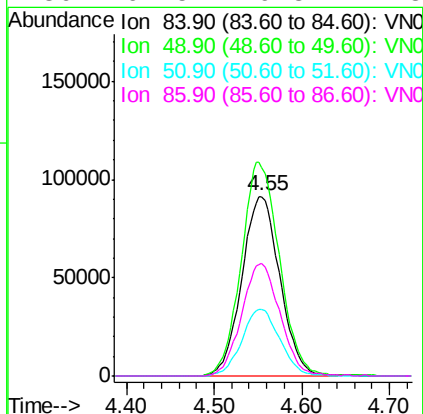
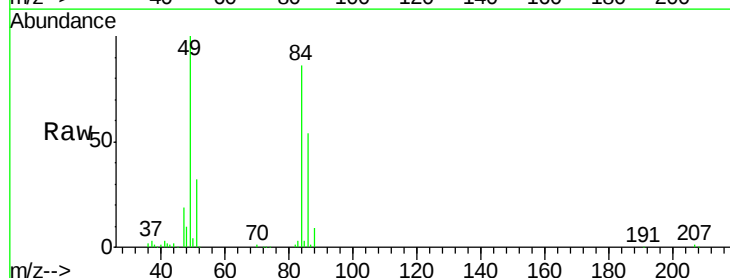
Instrument :
MSVOA_N
ClientSampleId :
PL-01-061818-E

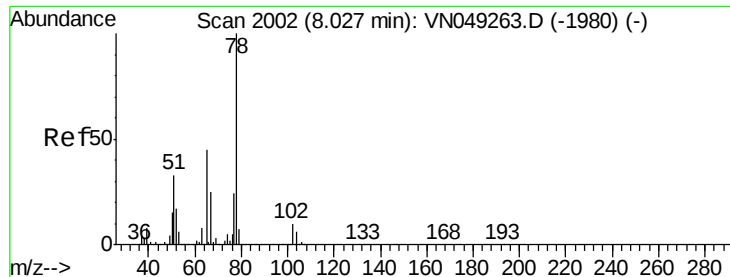
Tot Ion: 43 Resp: 100858
Ion Ratio Lower Upper
43 100
74 22.8 17.4 26.0



#20
Methylene Chloride
Concen: 18.037 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

Tgt Ion: 84 Resp: 275665
Ion Ratio Lower Upper
84 100
49 116.6 106.9 160.3
51 37.2 32.7 49.1
86 62.5 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 50.659 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049420.D

Acq: 20 Jun 2018 7:03

Instrument :

MSVOA_N

ClientSampleId :

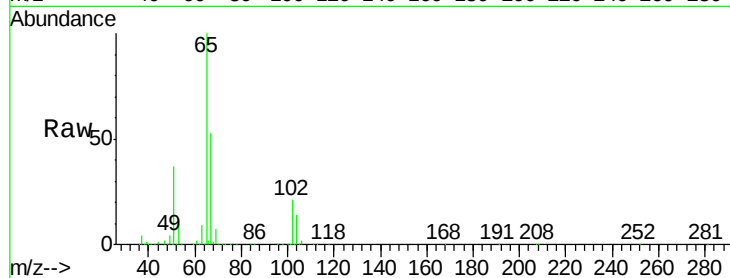
PL-01-061818-E

Tot Ion: 65 Resp: 763485

Ion Ratio Lower Upper

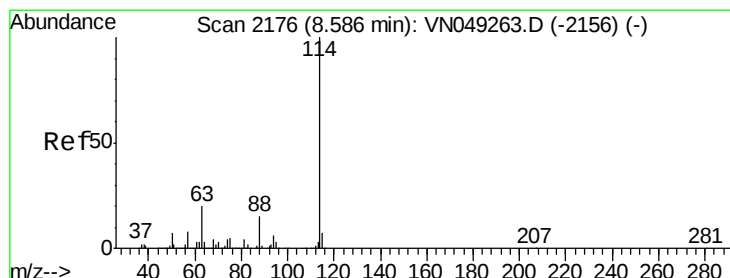
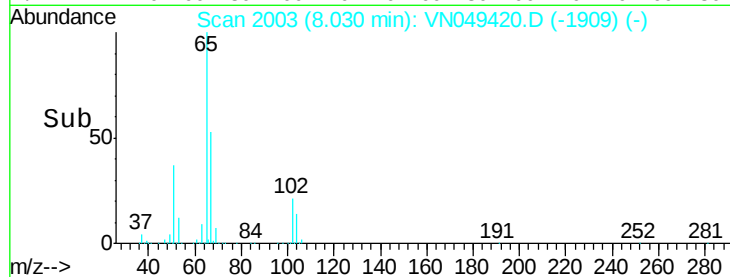
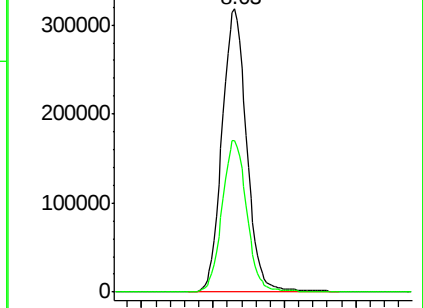
65 100

67 53.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049420.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049420.D (-1909) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049420.D

Acq: 20 Jun 2018 7:03

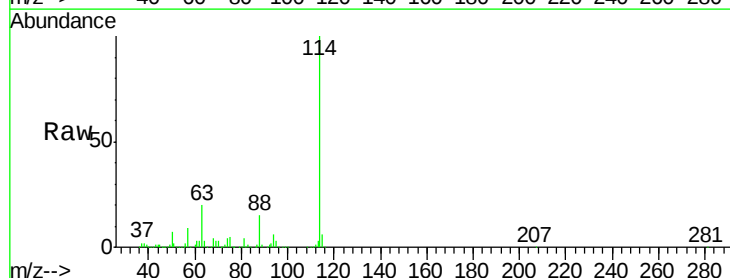
Tgt Ion: 114 Resp: 1817600

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.4

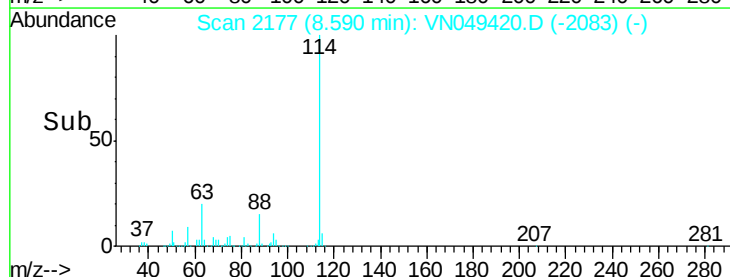
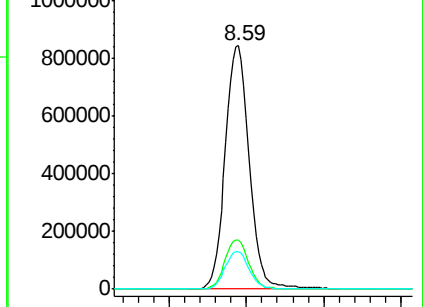
88 15.5 0.0 31.4

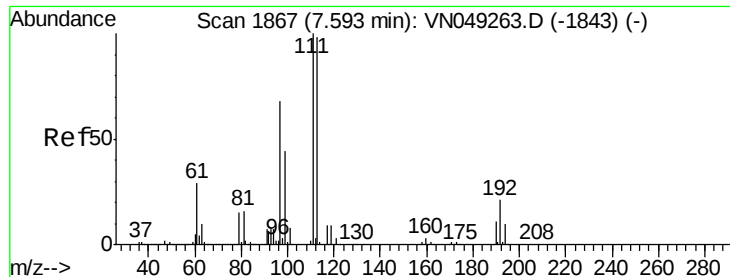


Abundance Ion 113.90 (113.60 to 114.60): VN049420.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049420.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049420.D (-2083) (-)

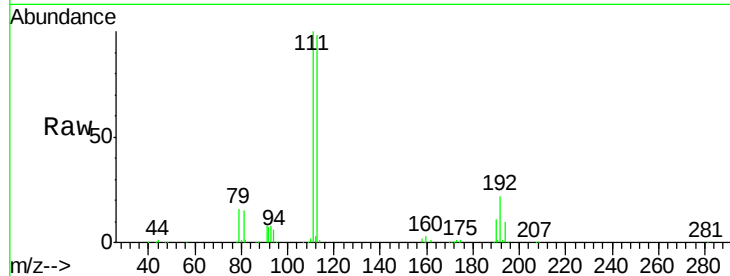




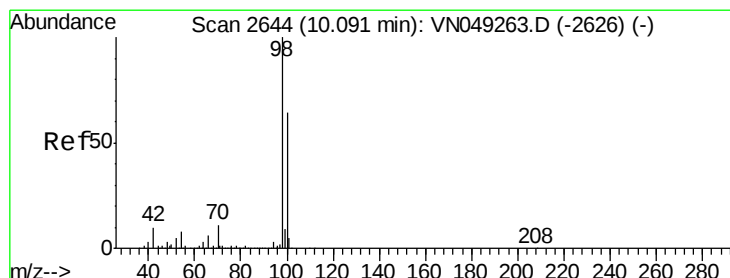
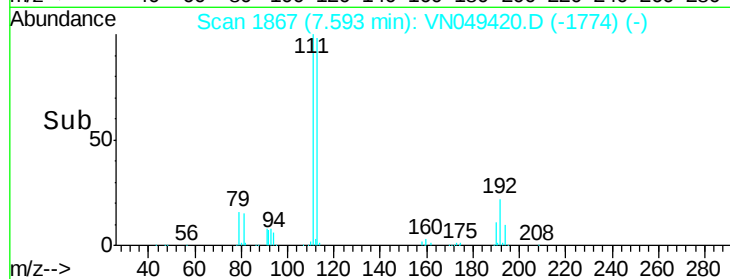
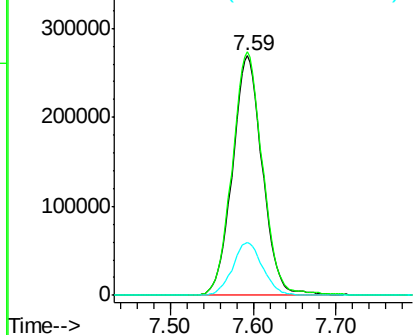
#35
 Dibromofluoromethane
 Concen: 45.946 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049420.D
 Acq: 20 Jun 2018 7:03

Instrument :
 MSVOA_N
 ClientSampled :
 PL-01-061818-E

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	22.3	15.0	22.6

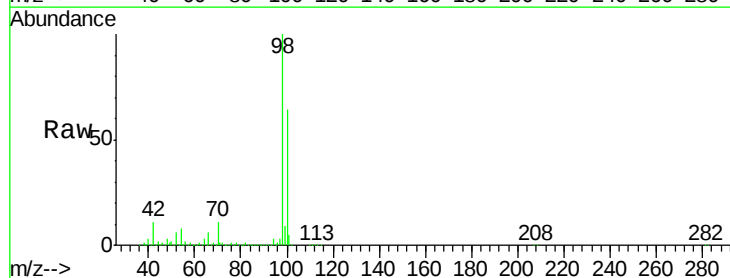


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

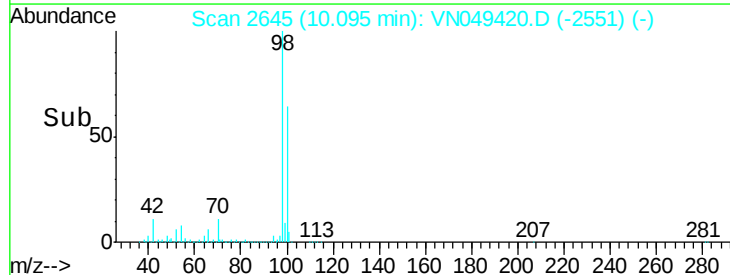
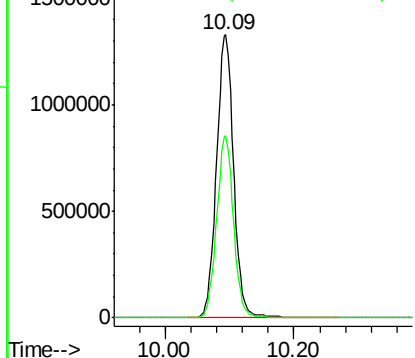


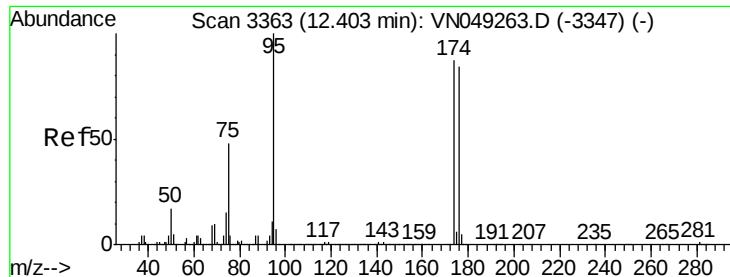
#50
 Toluene-d8
 Concen: 43.980 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN049420.D
 Acq: 20 Jun 2018 7:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.8



Abundance Ion 98.00 (97.70 to 98.70): V
 Ion 100.00 (99.70 to 100.70): V

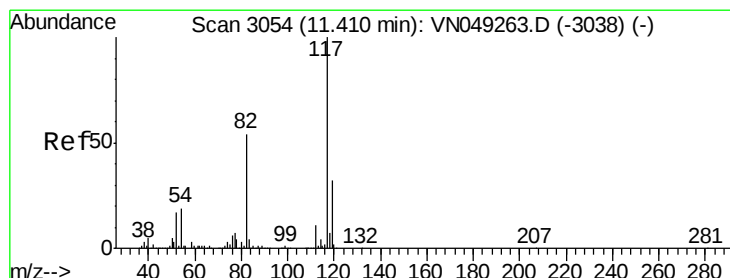
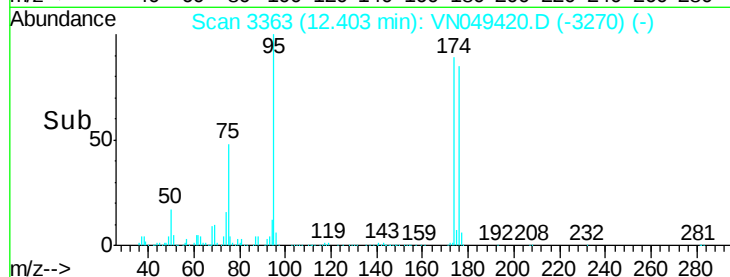
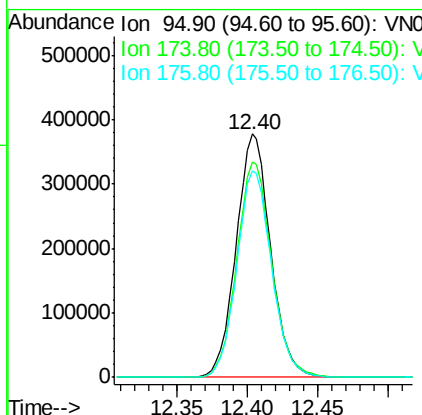
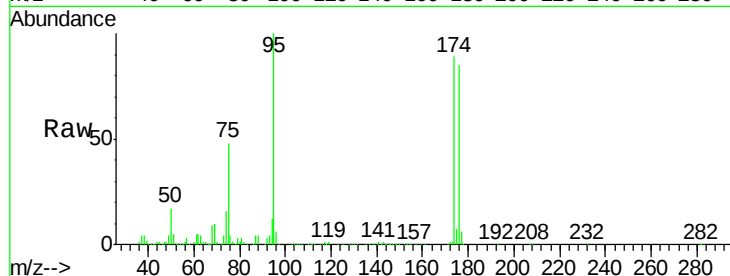




#62
4-Bromofluorobenzene
Concen: 34.838 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

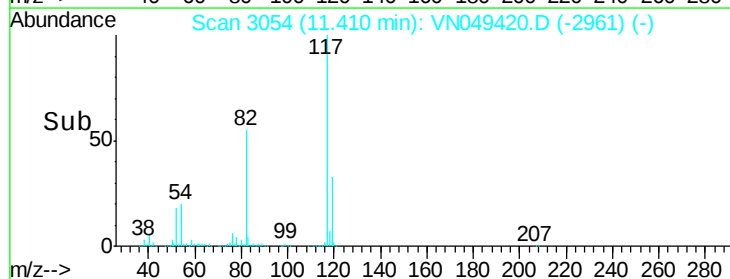
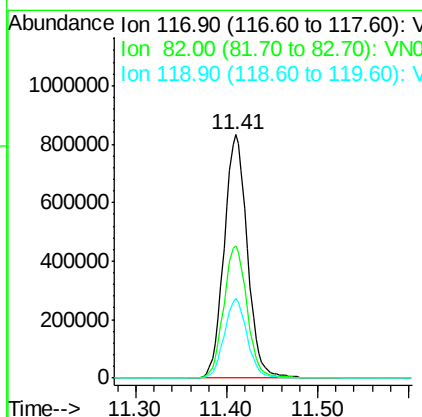
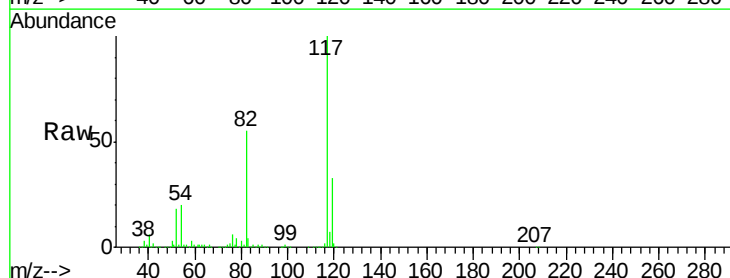
Instrument :
MSVOA_N
ClientSampleId :
PL-01-061818-E

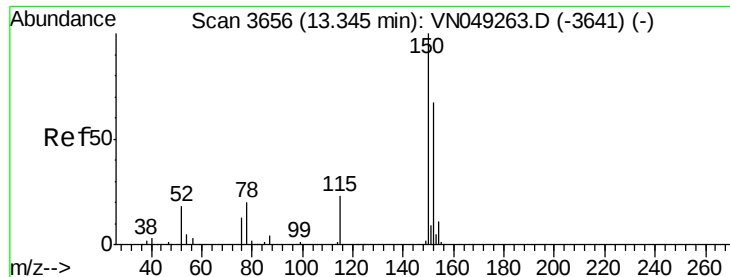
Tot Ion: 95 Resp: 644983
Ion Ratio Lower Upper
95 100
174 90.0 0.0 165.6
176 85.7 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

Tgt Ion: 117 Resp: 1473263
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049420.D

Acq: 20 Jun 2018 7:03

Instrument :

MSVOA_N

ClientSampleId :

PL-01-061818-E

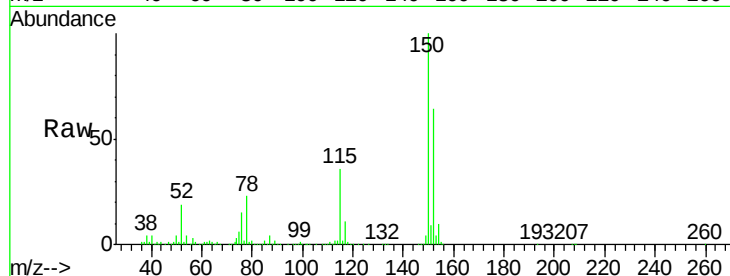
Tot Ion:152 Resp: 477205

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.1

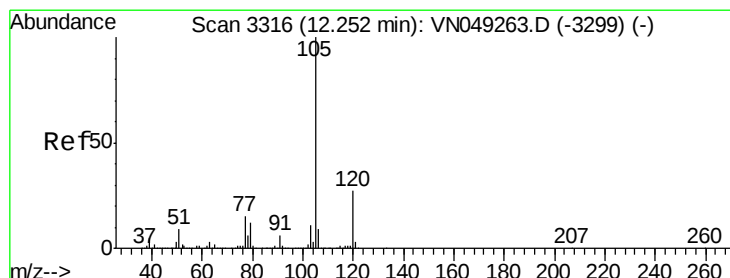
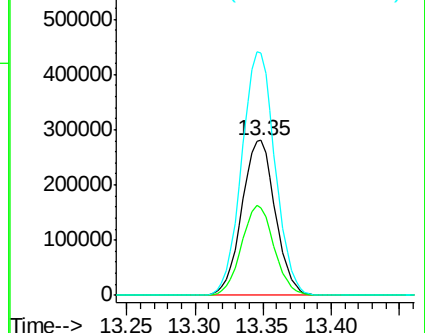
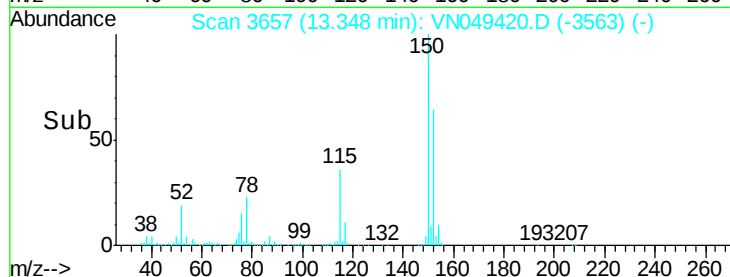
150 156.6 0.0 351.0



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



#73

Isopropylbenzene

Concen: 1.211 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049420.D

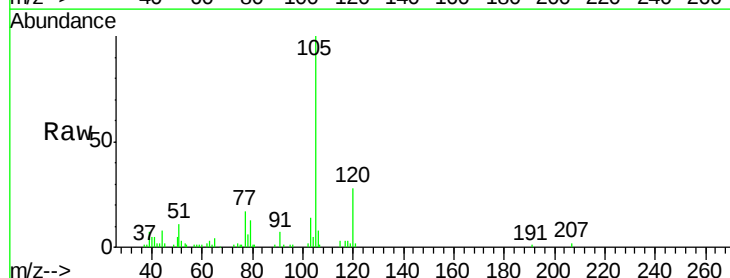
Acq: 20 Jun 2018 7:03

Tgt Ion:105 Resp: 50758

Ion Ratio Lower Upper

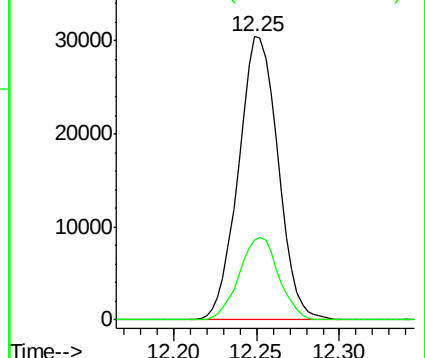
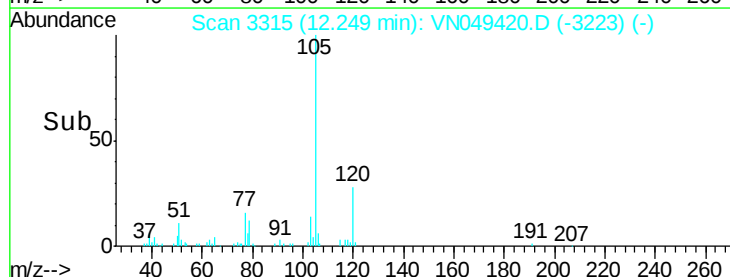
105 100

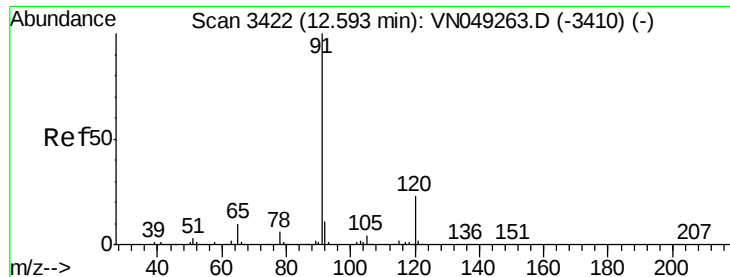
120 29.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.930 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049420.D

Acq: 20 Jun 2018 7:03

Instrument :

MSVOA_N

ClientSampleId :

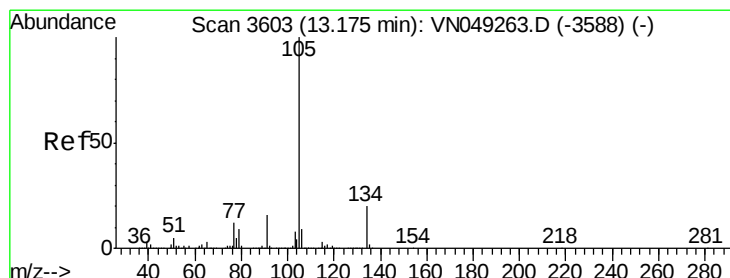
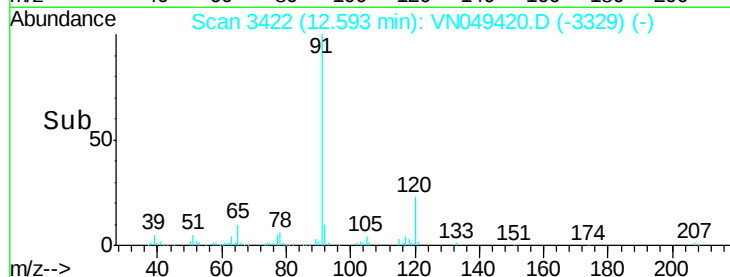
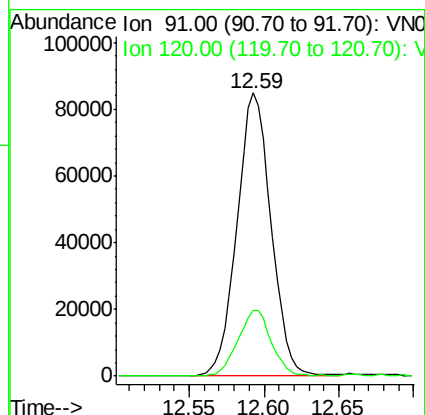
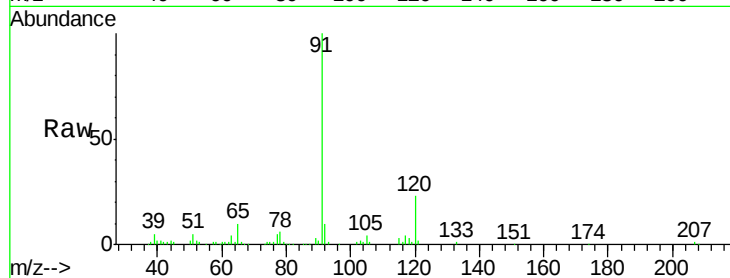
PL-01-061818-E

Tot Ion: 91 Resp: 134802

Ion Ratio Lower Upper

91 100

120 22.9 11.2 33.5



#85

sec-Butylbenzene

Concen: 1.607 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049420.D

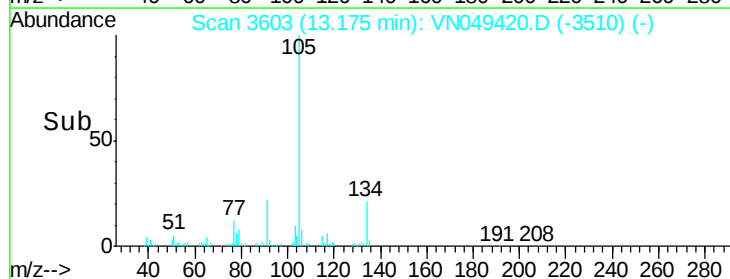
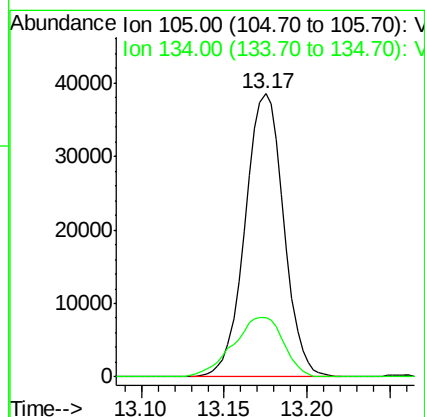
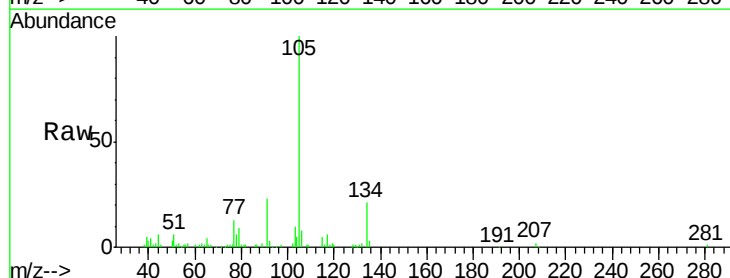
Acq: 20 Jun 2018 7:03

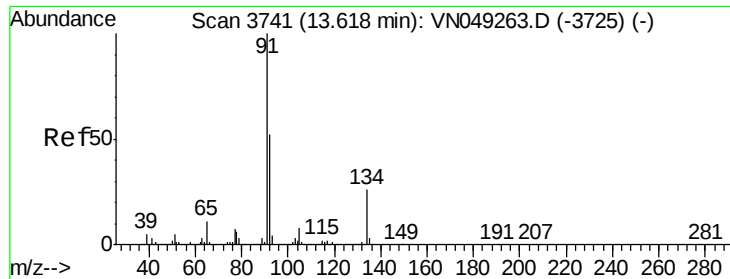
Tgt Ion: 105 Resp: 62422

Ion Ratio Lower Upper

105 100

134 27.5 9.8 29.3

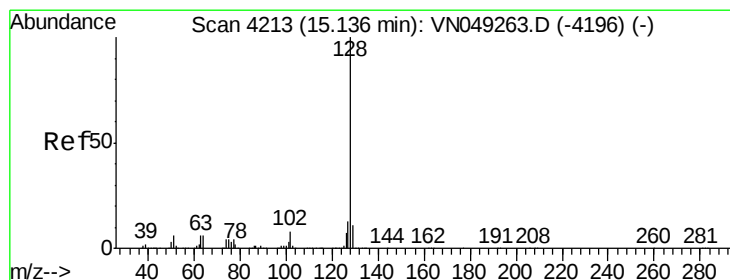
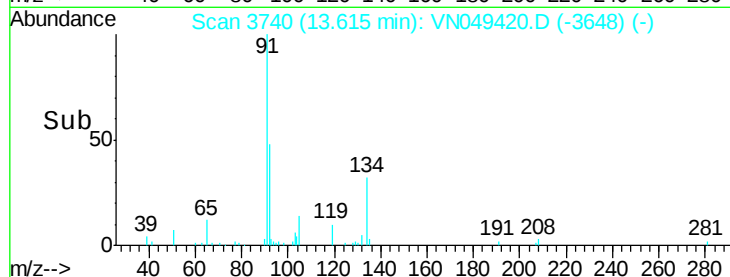
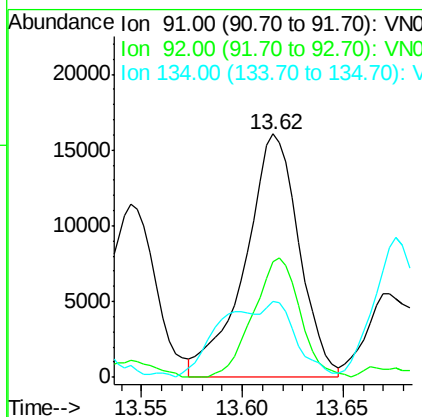
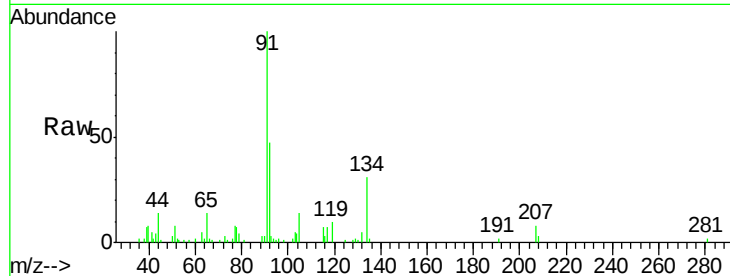




#89
n-Butylbenzene
Concen: 1.182 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

Instrument :
MSVOA_N
ClientSampled :
PL-01-061818-E

Tot Ion: 91 Resp: 29954
Ion Ratio Lower Upper
91 100
92 42.5 25.1 75.4
134 0.0 12.0 36.0#



#95
Naphthalene
Concen: 4.825 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049420.D
Acq: 20 Jun 2018 7:03

Tgt Ion: 128 Resp: 36563
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 12.2 8.5 12.7

