

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055087.D
 Acq On : 16 Apr 2019 19:04
 Operator : JC/SP
 Sample : K2411-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

Quant Time: Apr 17 03:20:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

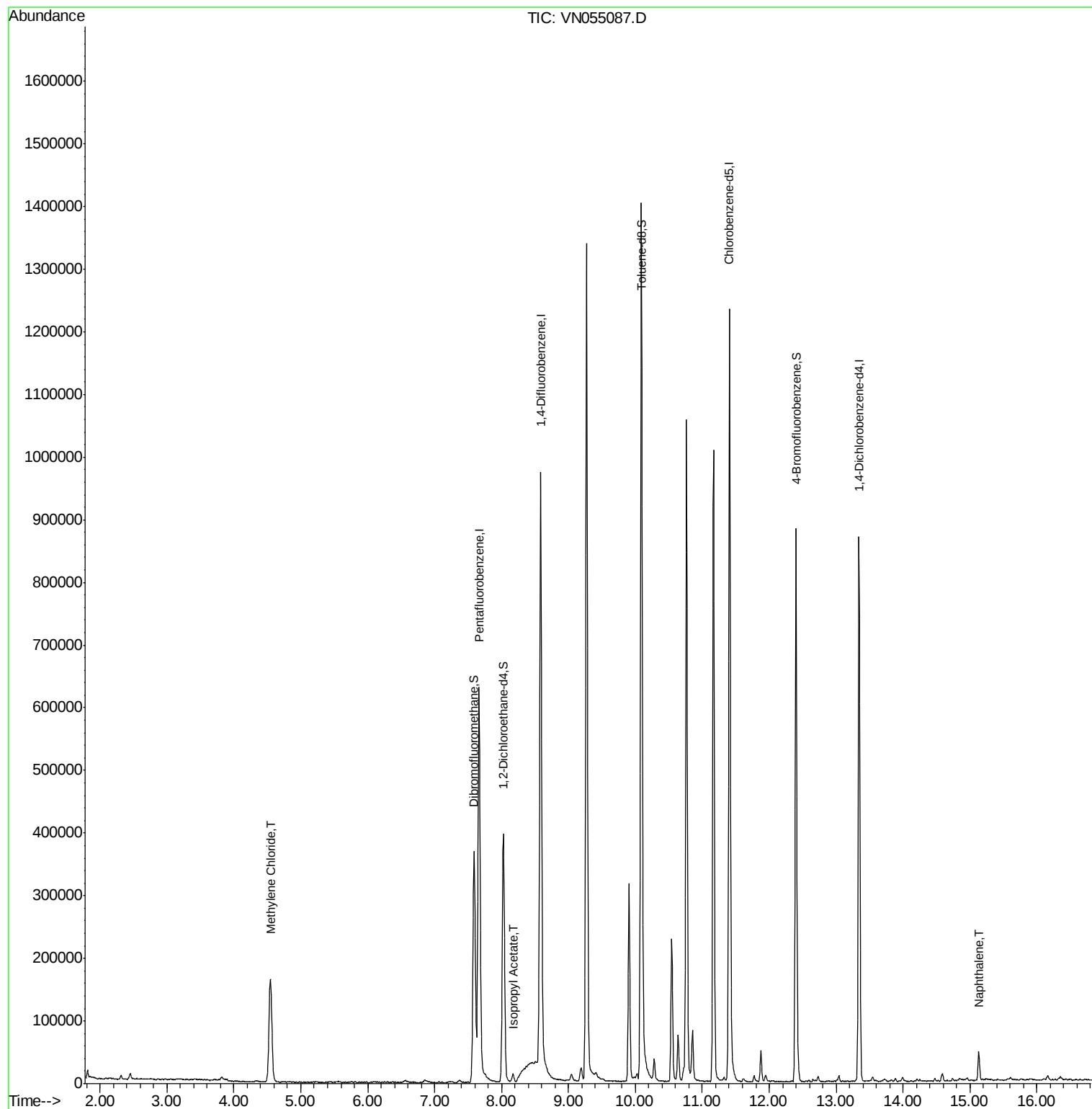
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	550836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	880285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	730893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236406	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	341635	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.32%	
35) Dibromofluoromethane	7.59	113	274377	46.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.28%	
50) Toluene-d8	10.09	98	1038900	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	297147	43.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.82%	
Target Compounds						
20) Methylene Chloride	4.55	84	115706	16.562	ug/l	99
43) Isopropyl Acetate	8.17	43	14933	1.435	ug/l	98
95) Naphthalene	15.13	128	38267	7.314	ug/l	99

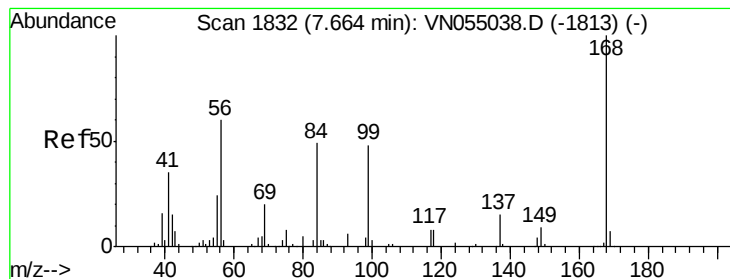
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041619\
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QLast Update : Mon Apr 15 12:28:28 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

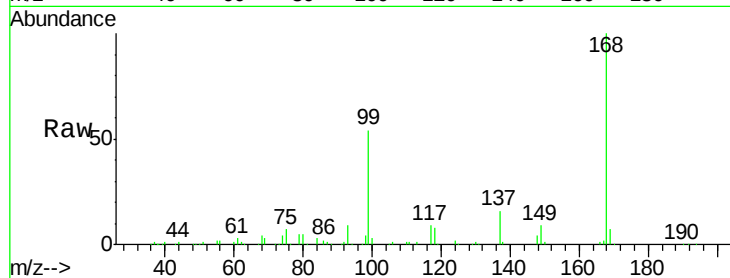
TP-14-S

Tot Ion:168 Resp: 550836

Ion Ratio Lower Upper

168 100

99 53.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

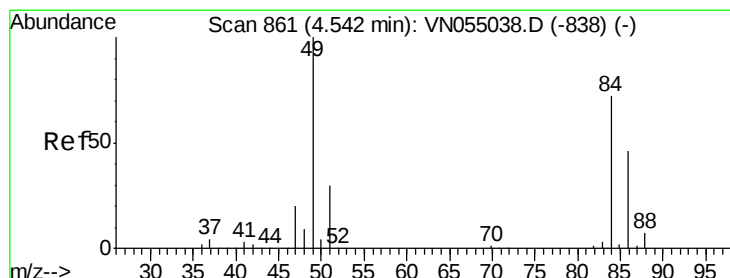
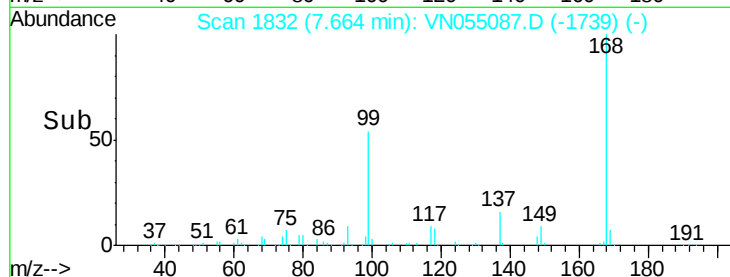
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#20

Methylene Chloride

Concen: 16.562 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

Tgt Ion: 84 Resp: 115706

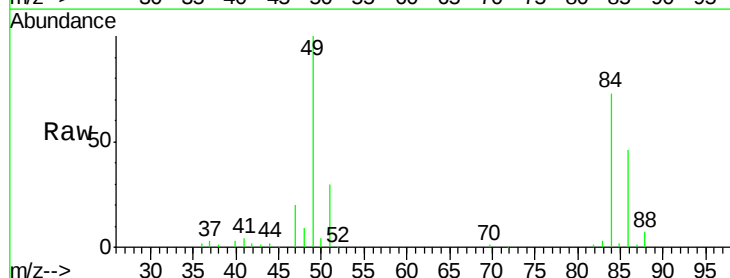
Ion Ratio Lower Upper

84 100

49 137.7 109.4 164.2

51 41.5 32.2 48.4

86 63.4 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

80000

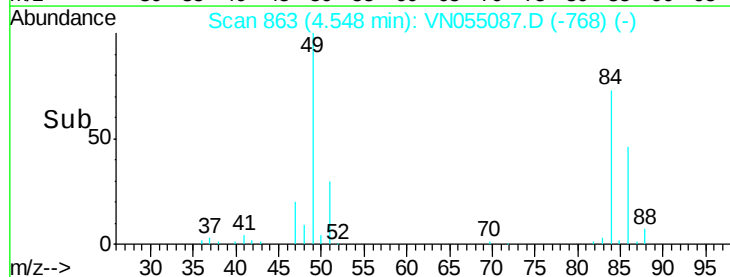
60000

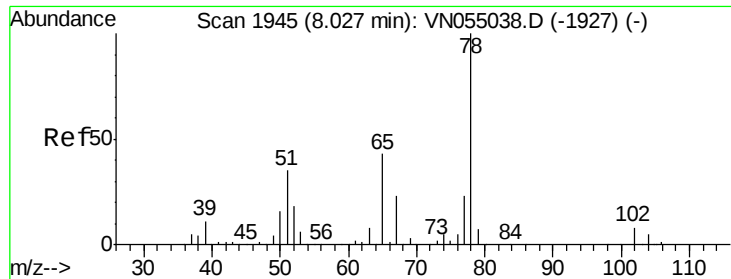
40000

20000

0

Time--> 4.40 4.50 4.60

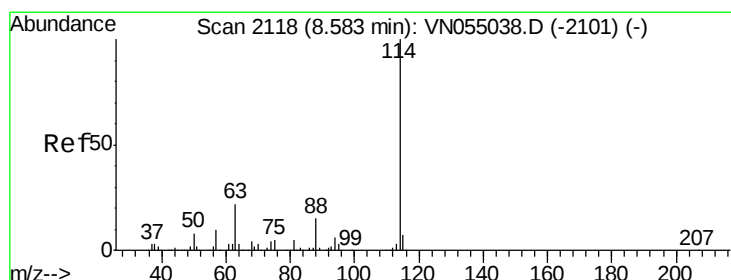
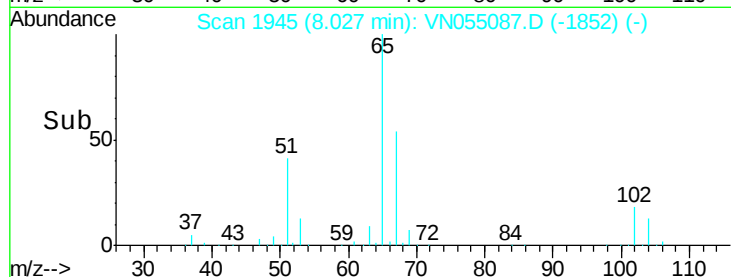
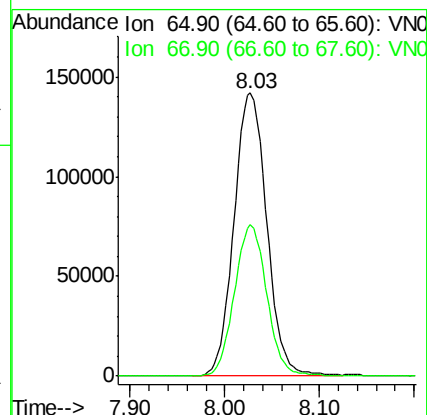
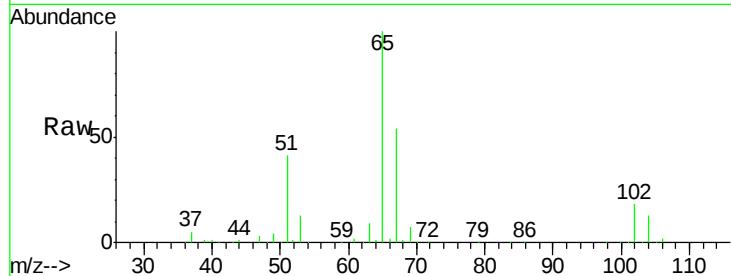




#33
 1,2-Dichloroethane-d4
 Concen: 46.659 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055087.D
 Acq: 16 Apr 2019 19:04

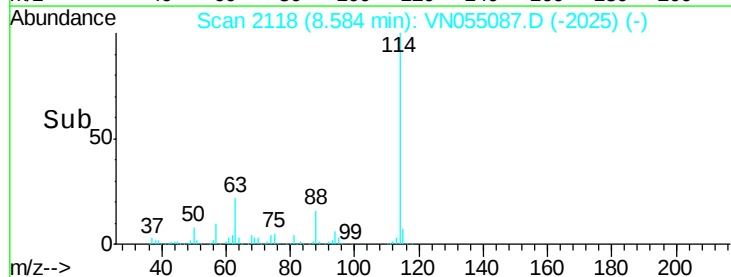
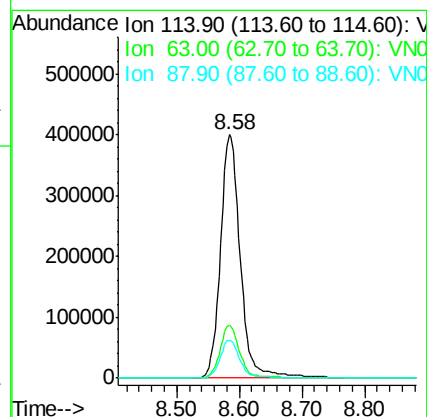
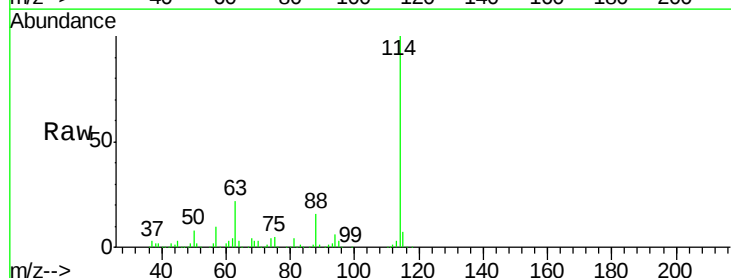
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

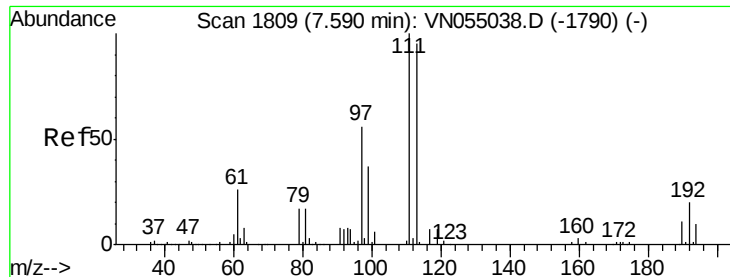
Tot Ion: 65 Resp: 341635
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055087.D
 Acq: 16 Apr 2019 19:04

Tgt Ion: 114 Resp: 880285
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.2
 88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.639 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampled :

TP-14-S

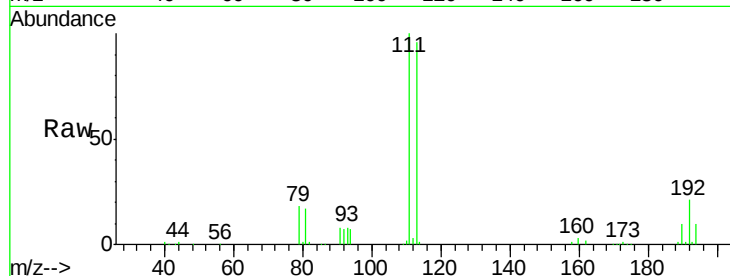
Tot Ion:113 Resp: 274377

Ion Ratio Lower Upper

113 100

111 104.5 82.1 123.1

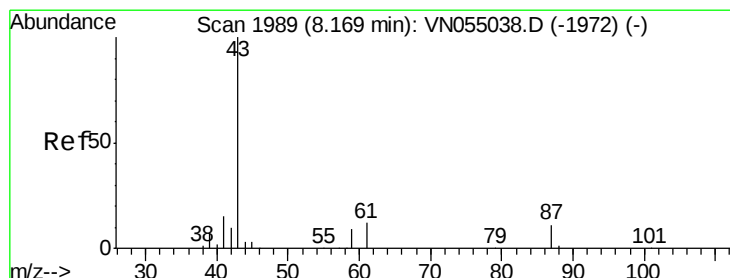
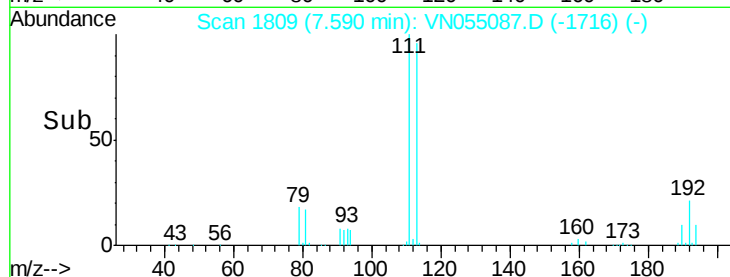
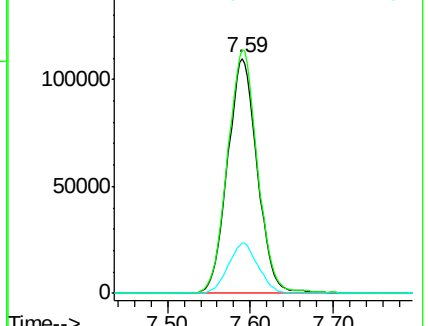
192 21.5 16.5 24.7



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: 1.435 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

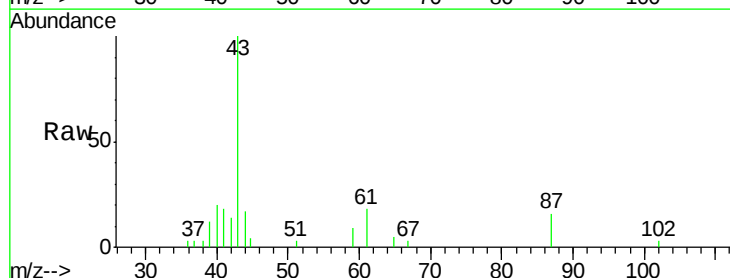
Tgt Ion: 43 Resp: 14933

Ion Ratio Lower Upper

43 100

61 17.0 14.3 21.5

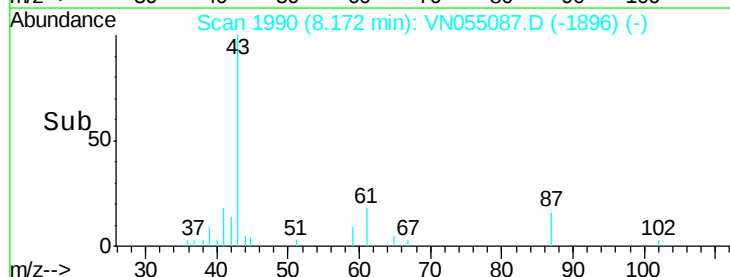
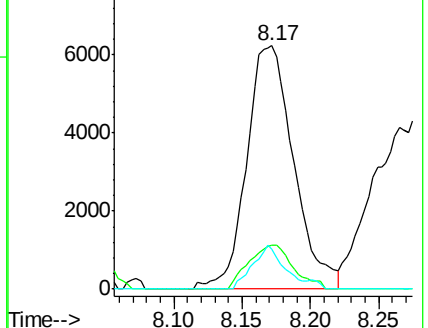
87 11.9 8.6 13.0

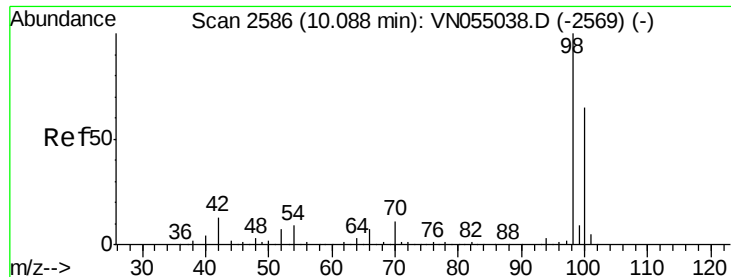


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.340 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

Instrument :

MSVOA_N

ClientSampleId :

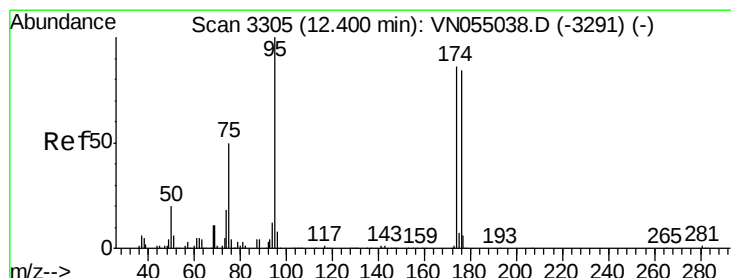
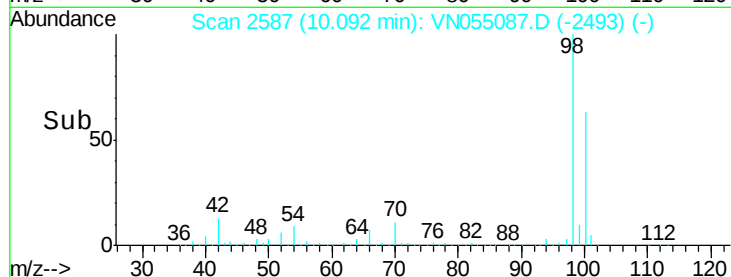
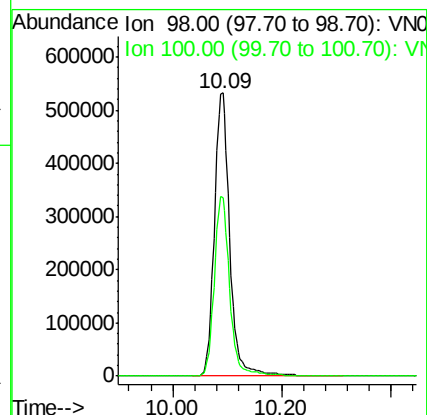
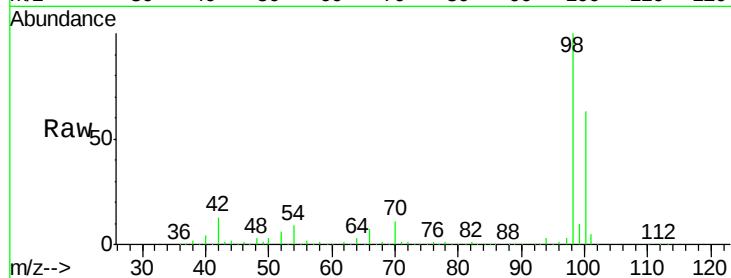
TP-14-S

Tot Ion: 98 Resp: 1038900

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.410 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

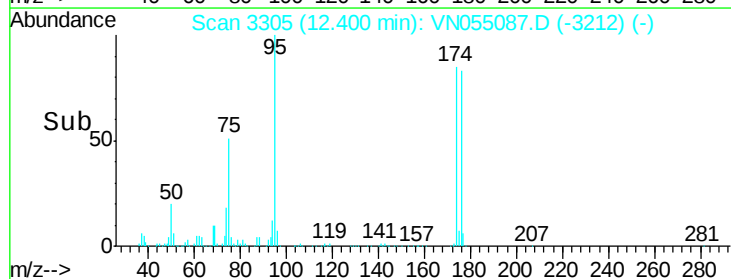
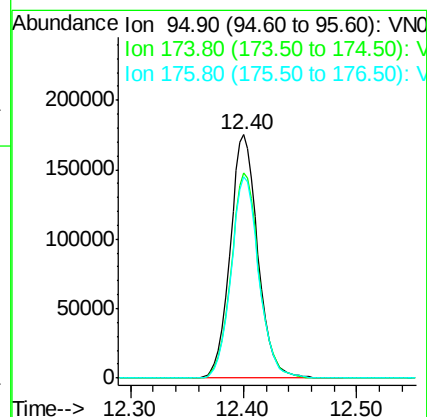
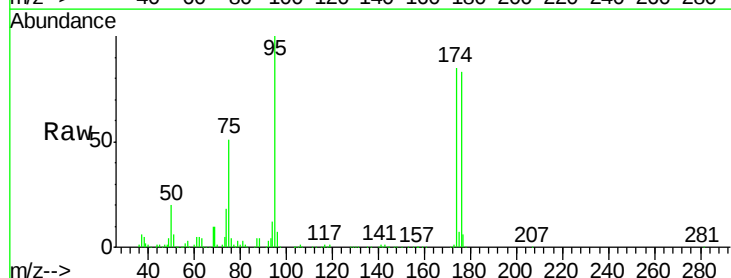
Tgt Ion: 95 Resp: 297147

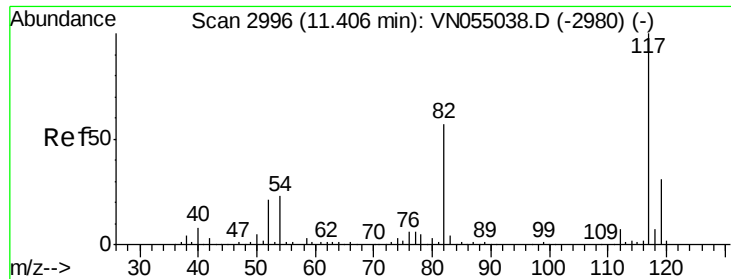
Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.4

176 82.9 0.0 166.8

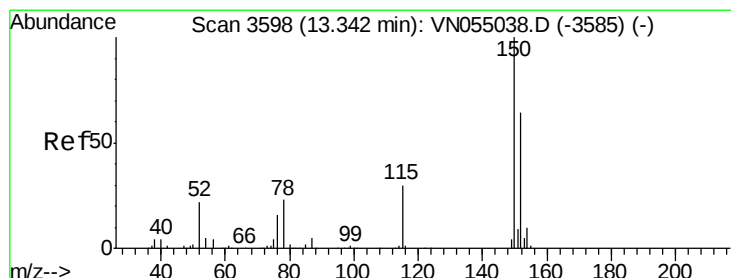
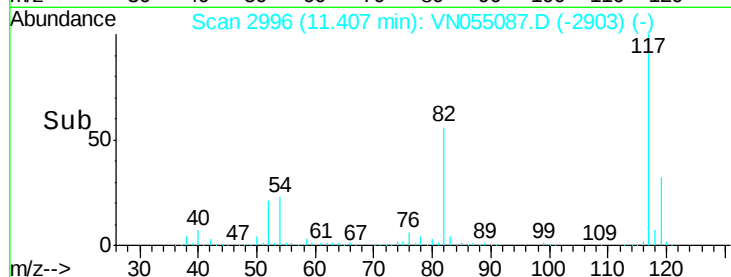
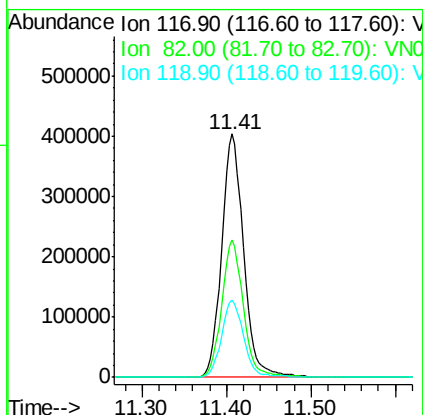
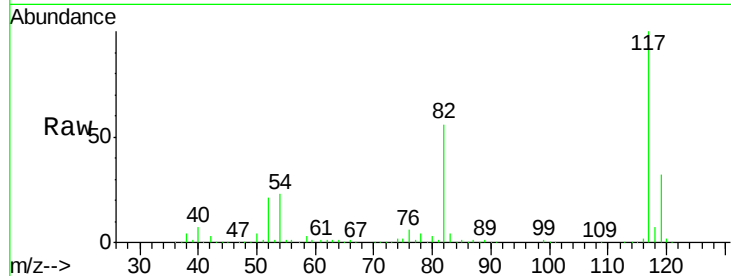




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055087.D
Acq: 16 Apr 2019 19:04

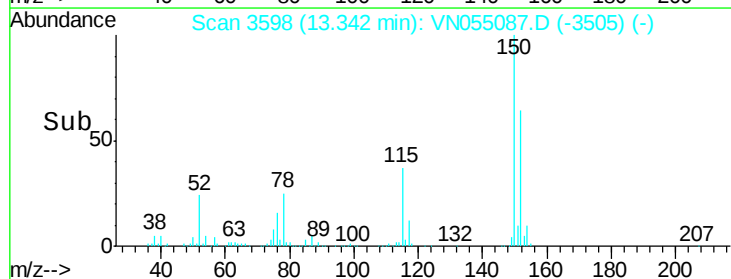
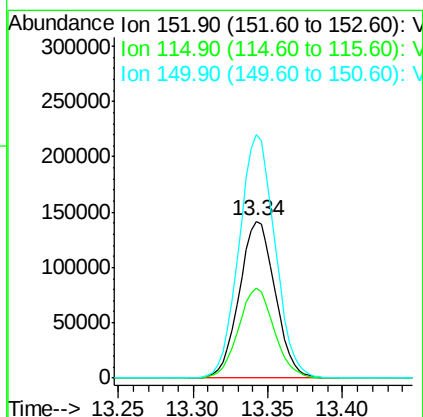
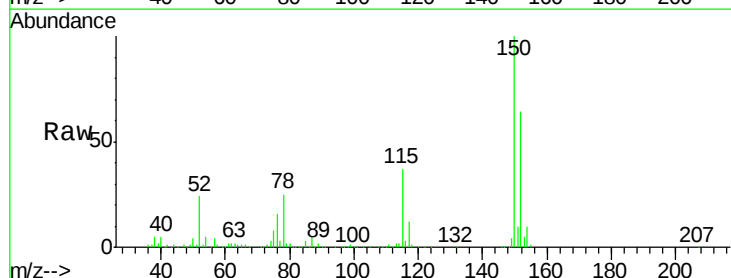
Instrument :
MSVOA_N
ClientSampled :
TP-14-S

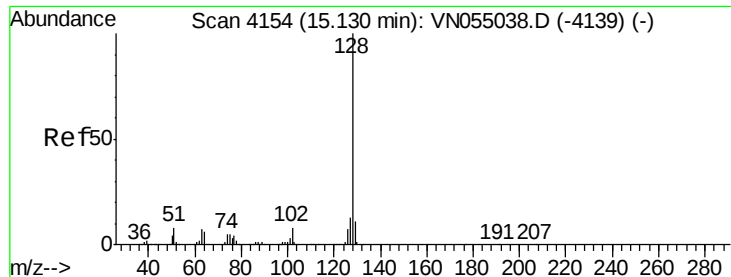
Tot Ion:117 Resp: 730893
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055087.D
Acq: 16 Apr 2019 19:04

Tgt Ion:152 Resp: 236406
Ion Ratio Lower Upper
152 100
115 57.5 28.5 85.6
150 156.0 0.0 347.2





#95

Naphthalene

Concen: 7.314 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055087.D

Acq: 16 Apr 2019 19:04

Instrument :

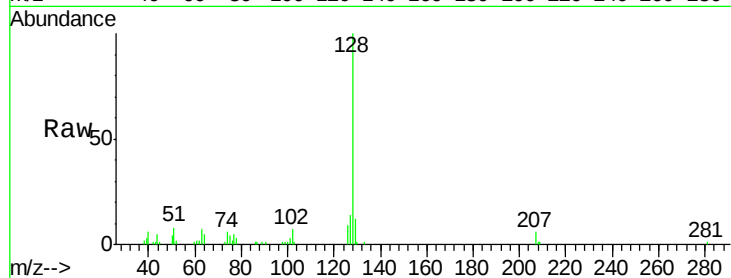
MSVOA_N

ClientSampleId :

TP-14-S

Tot Ion:128 Resp: 38267

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

