

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056714.D
 Acq On : 15 Jul 2019 16:02
 Operator : JC/SP
 Sample : PB121318TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121318TB

Quant Time: Jul 16 04:58:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

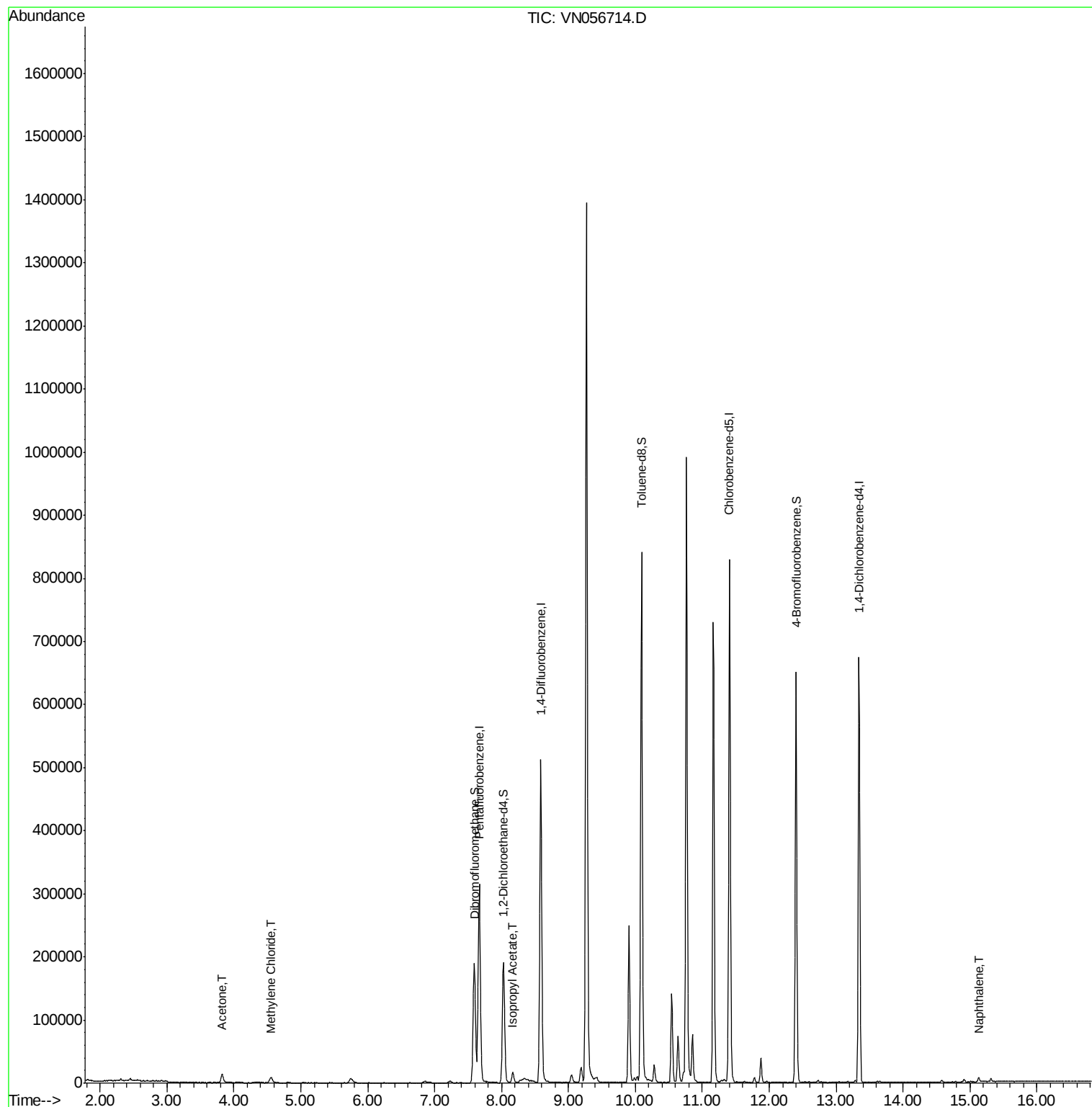
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	282387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	487734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	518808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	162173	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	145601	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.94%	
50) Toluene-d8	10.09	98	625325	53.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.40	95	229009	57.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.86%	
Target Compounds						
16) Acetone	3.82	43	23347	16.220	ug/l	Qvalue 100
20) Methylene Chloride	4.56	84	6613	2.102	ug/l	94
43) Isopropyl Acetate	8.17	43	19787	2.830	ug/l #	90
95) Naphthalene	15.13	128	6789	5.113	ug/l #	97

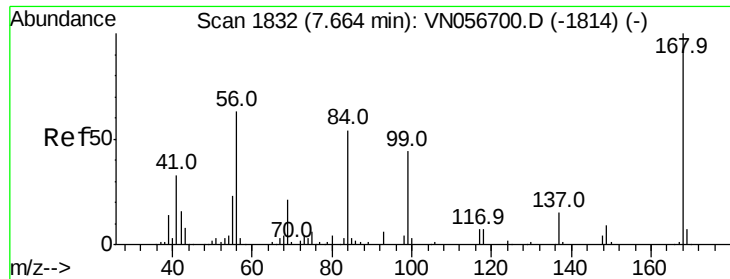
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

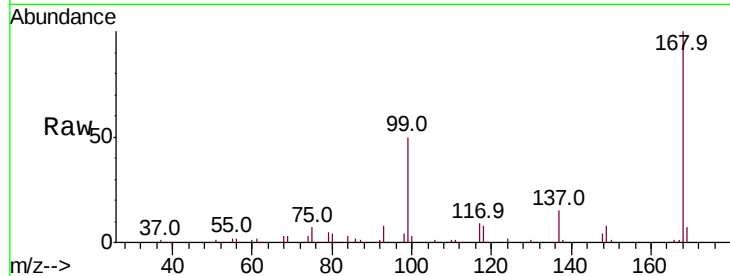
PB121318TB

Tot Ion:168 Resp: 282387

Ion Ratio Lower Upper

168 100

99 49.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056714.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056714.D (-1739) (-)

7.67

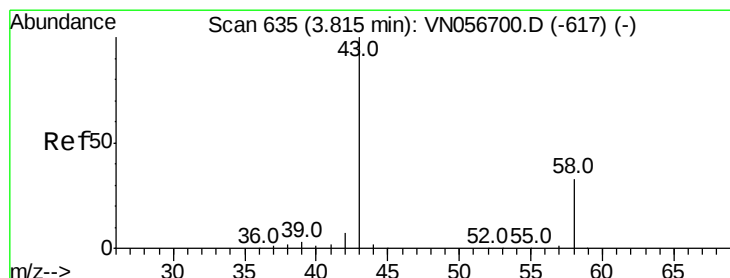
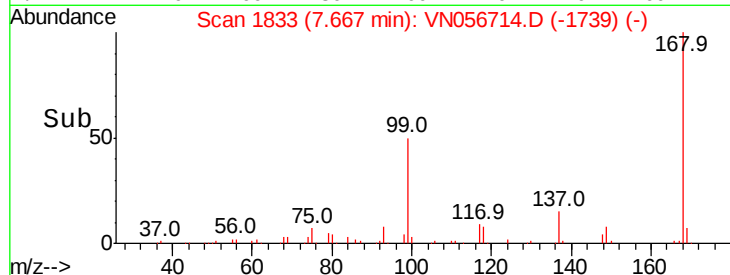
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 16.220 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056714.D

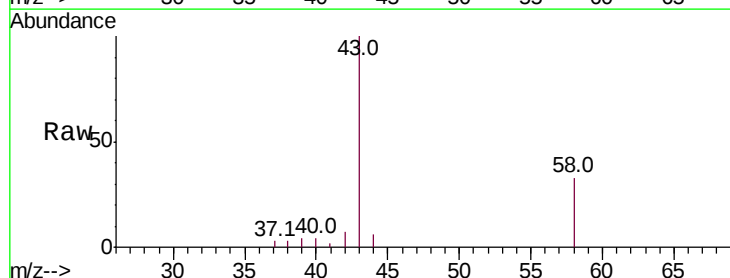
Acq: 15 Jul 2019 16:02

Tgt Ion: 43 Resp: 23347

Ion Ratio Lower Upper

43 100

58 33.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056714.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056714.D (-542) (-)

3.82

10000

8000

6000

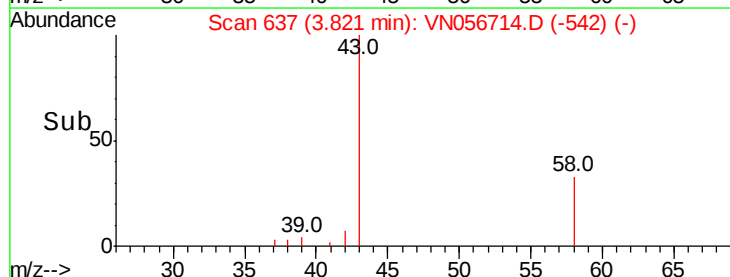
4000

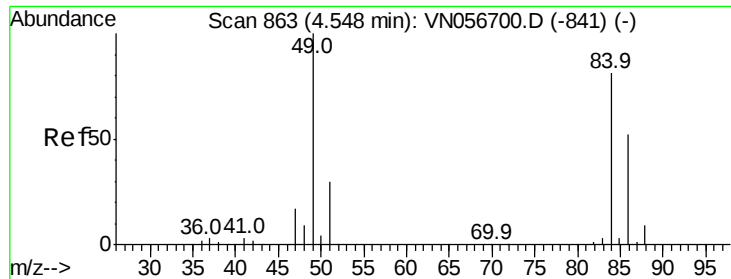
2000

0

Time-->

3.80 3.90

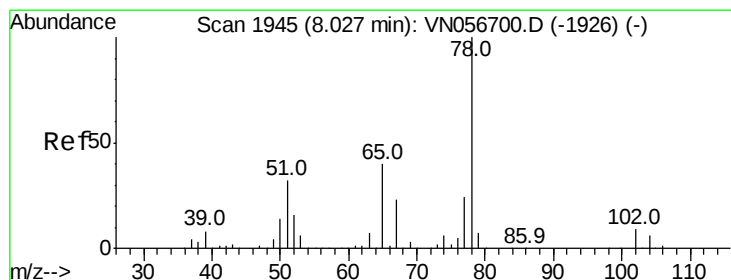
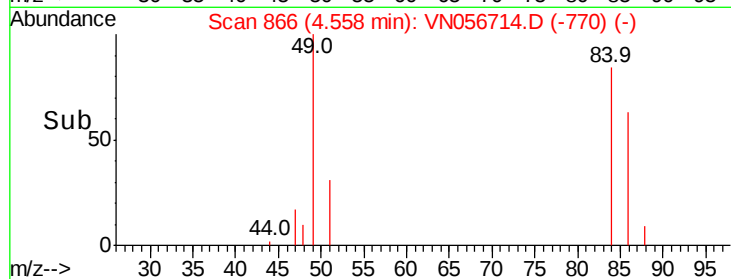
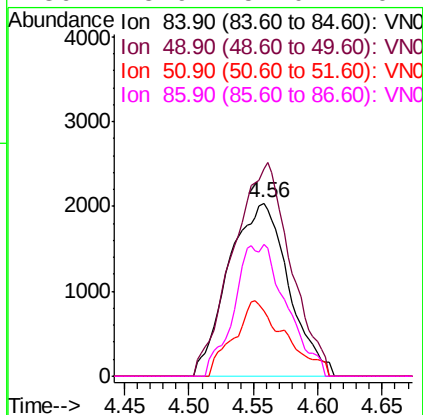
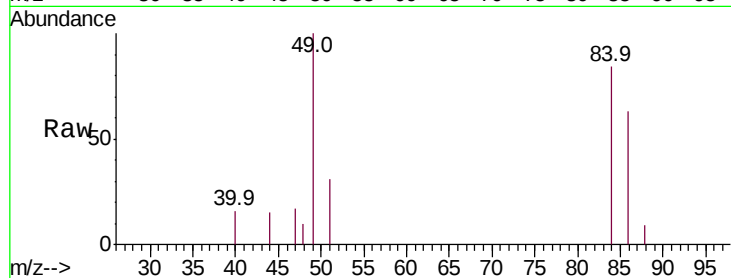




#20
Methvlene Chloride
Concen: 2.102 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN056714.D
Acq: 15 Jul 2019 16:02

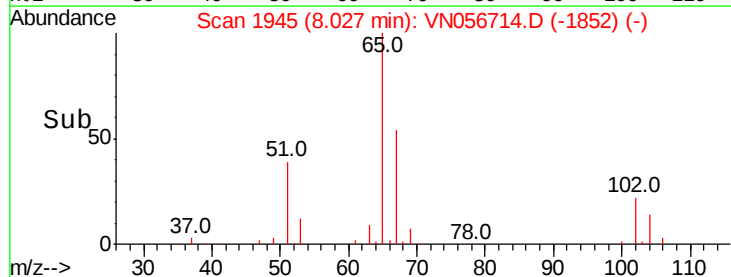
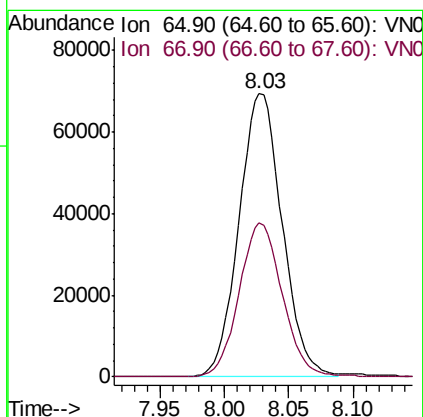
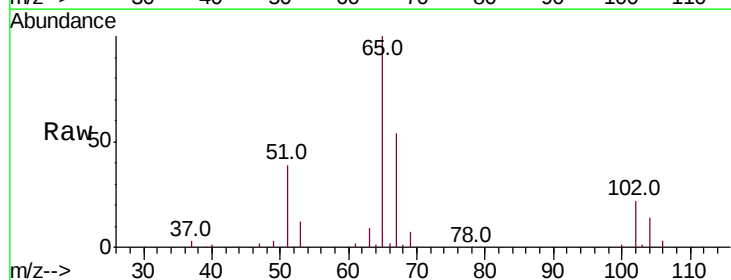
Instrument :
MSVOA_N
ClientSampleId :
PB121318TB

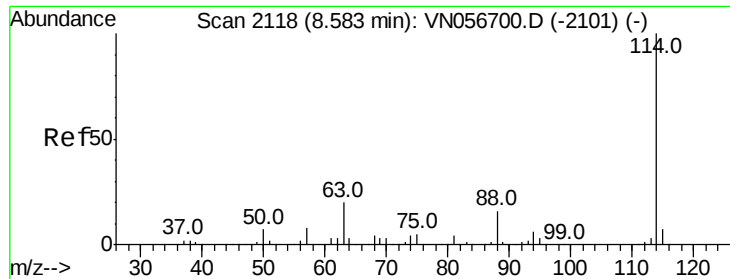
Tot Ion: 84 Resp: 6613
Ion Ratio Lower Upper
84 100
49 119.7 98.2 147.4
51 37.5 29.6 44.4
86 75.9 51.0 76.4



#33
1,2-Dichloroethane-d4
Concen: 51.919 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056714.D
Acq: 15 Jul 2019 16:02

Tgt Ion: 65 Resp: 162173
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0

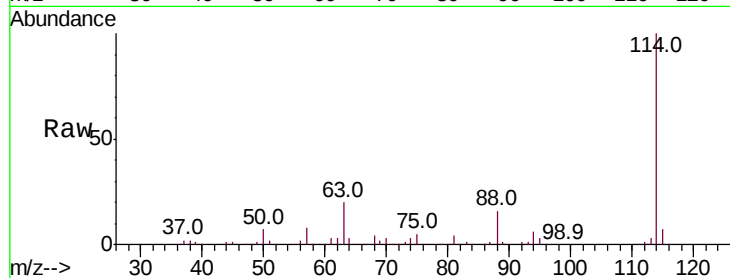




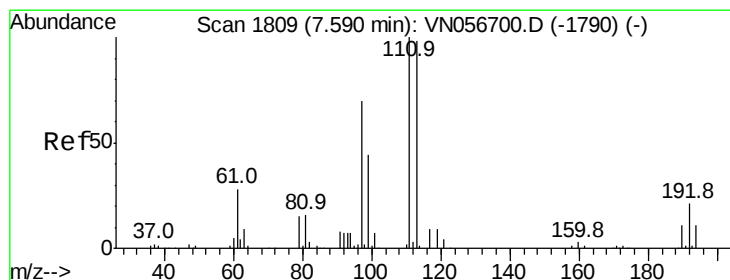
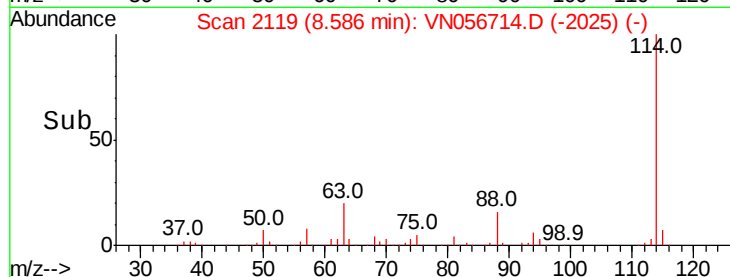
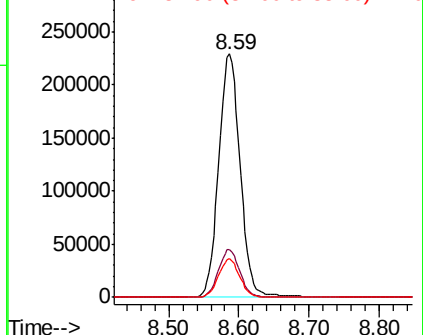
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056714.D
 Acq: 15 Jul 2019 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB121318TB

Tot Ion:114 Resp: 487734
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.7 0.0 31.2

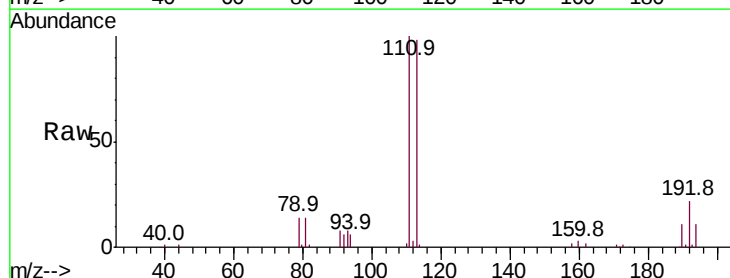


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

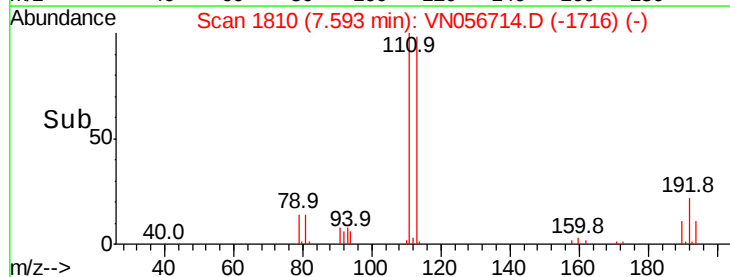
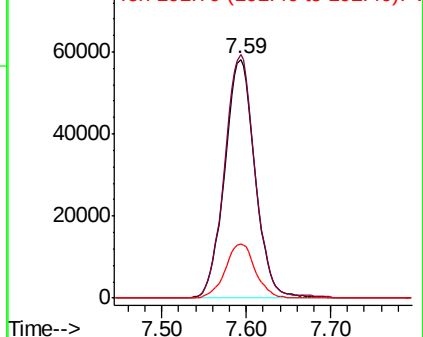


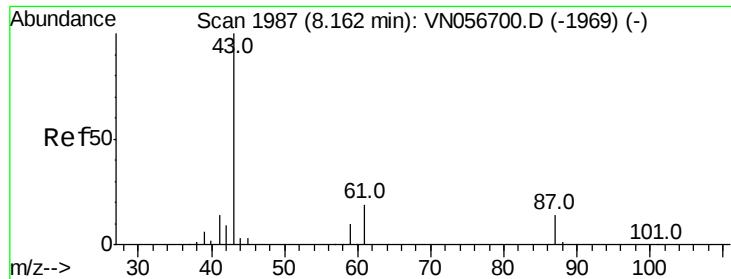
#35
 Dibromofluoromethane
 Concen: 47.970 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056714.D
 Acq: 15 Jul 2019 16:02

Tgt Ion:113 Resp: 145601
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.6
 192 22.4 17.5 26.3



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: 2.830 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

PB121318TB

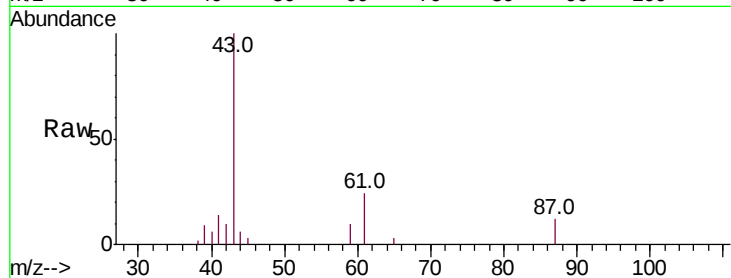
Tot Ion: 43 Resp: 19787

Ion Ratio Lower Upper

43 100

61 21.1 22.3 33.5#

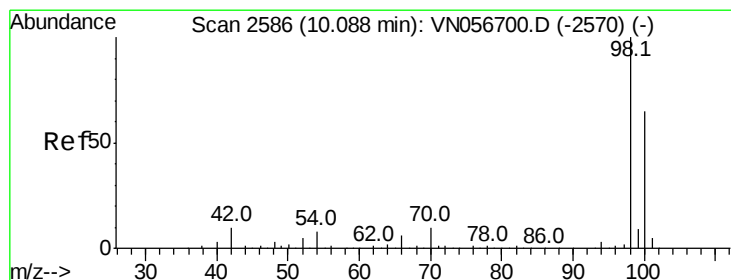
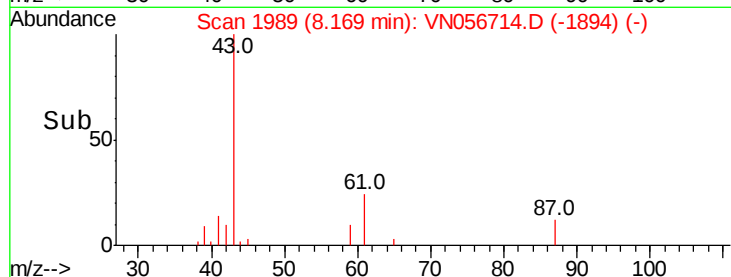
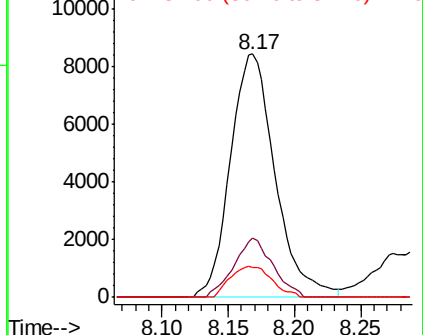
87 11.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 53.342 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056714.D

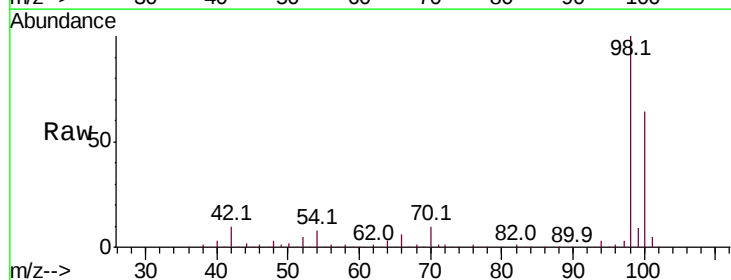
Acq: 15 Jul 2019 16:02

Tgt Ion: 98 Resp: 625325

Ion Ratio Lower Upper

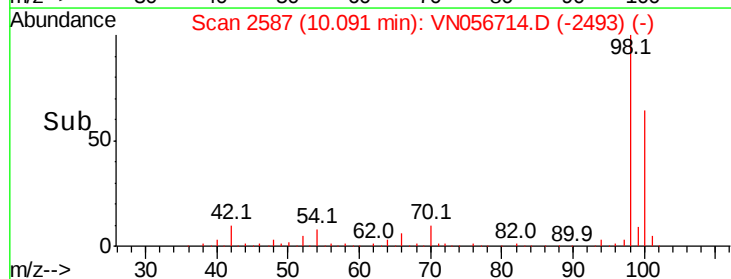
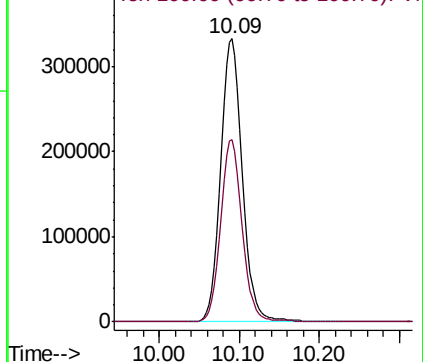
98 100

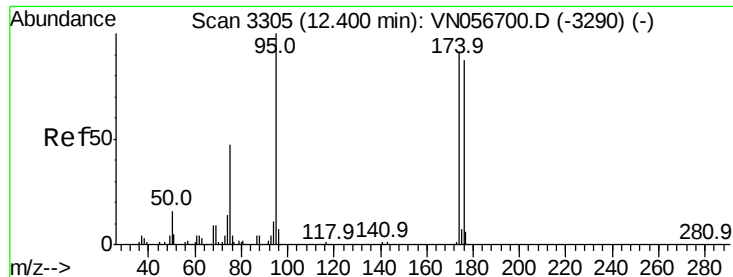
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 57.928 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

PB121318TB

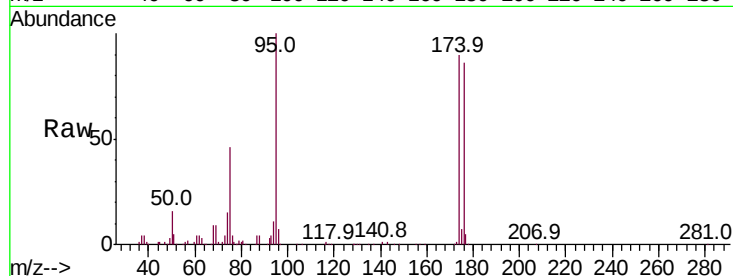
Tot Ion: 95 Resp: 229009

Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

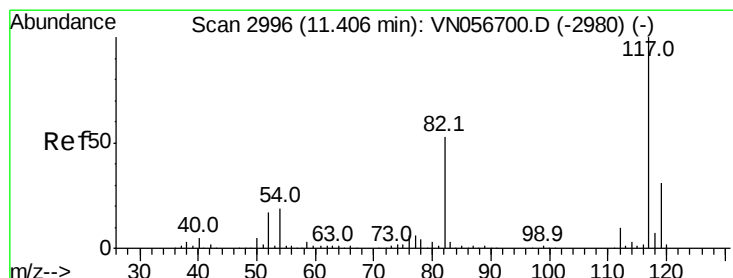
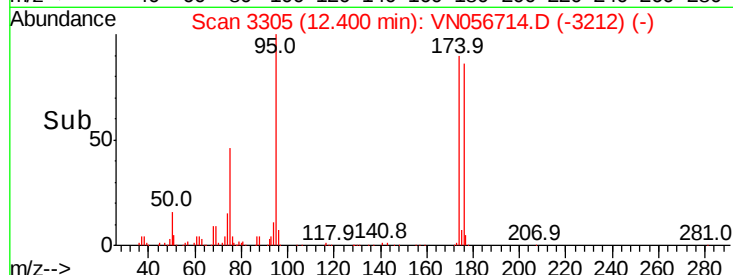
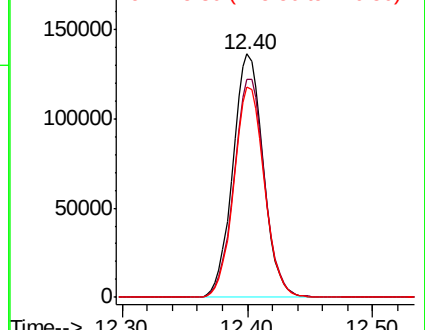
176 86.7 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056714.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056714.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056714.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

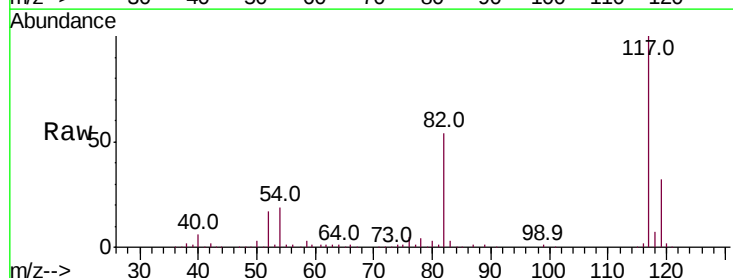
Tgt Ion: 117 Resp: 518808

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.2

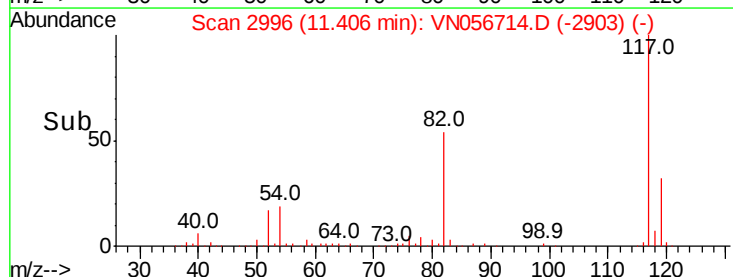
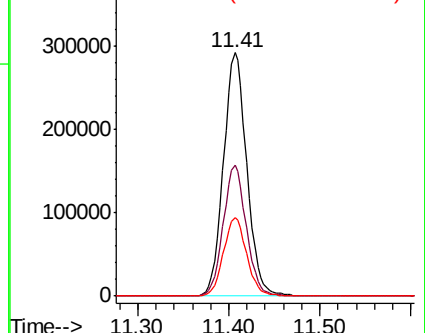
119 32.1 25.2 37.8

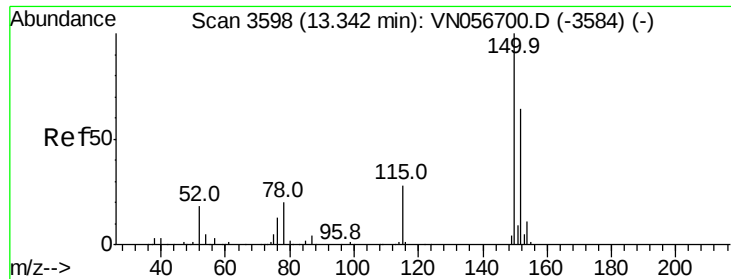


Abundance Ion 116.90 (116.60 to 117.60): VN056714.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056714.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056714.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

PB121318TB

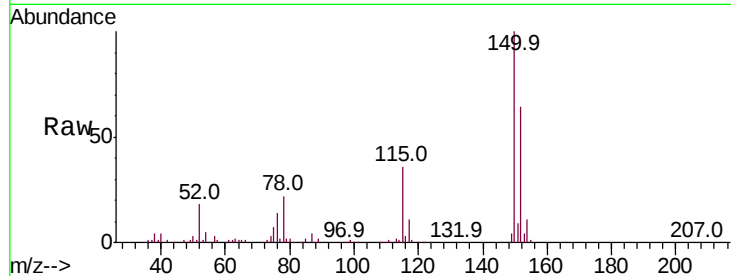
Tot Ion:152 Resp: 196060

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

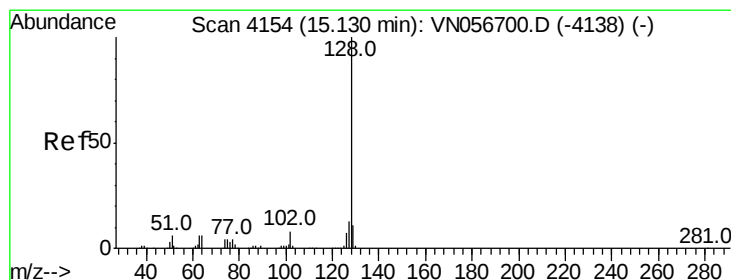
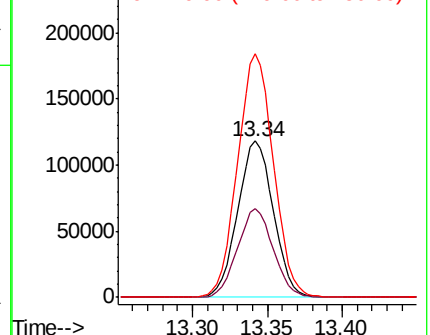
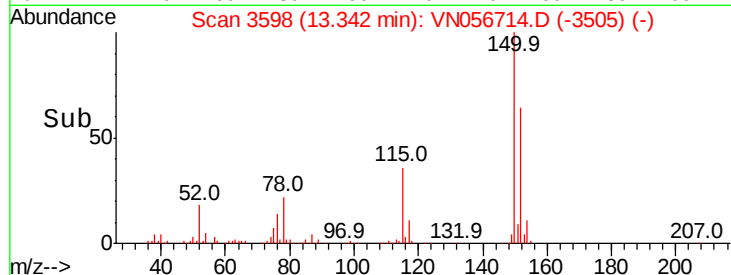
150 156.7 0.0 345.8



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



#95

Naphthalene

Concen: 5.113 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056714.D

Acq: 15 Jul 2019 16:02

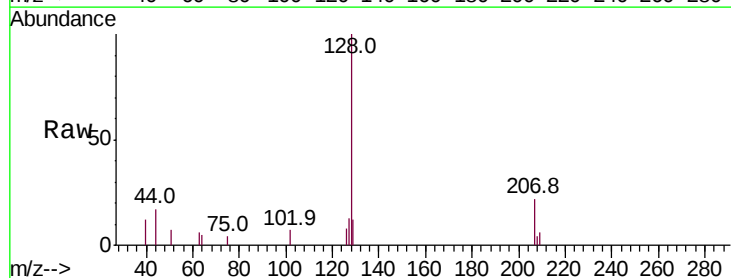
Tgt Ion:128 Resp: 6789

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 8.7 8.7 13.1#



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

