

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054845.D
 Acq On : 31 Mar 2019 12:53
 Operator : JC/SP
 Sample : K1689-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-08-032919-A

Quant Time: Apr 01 03:06:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

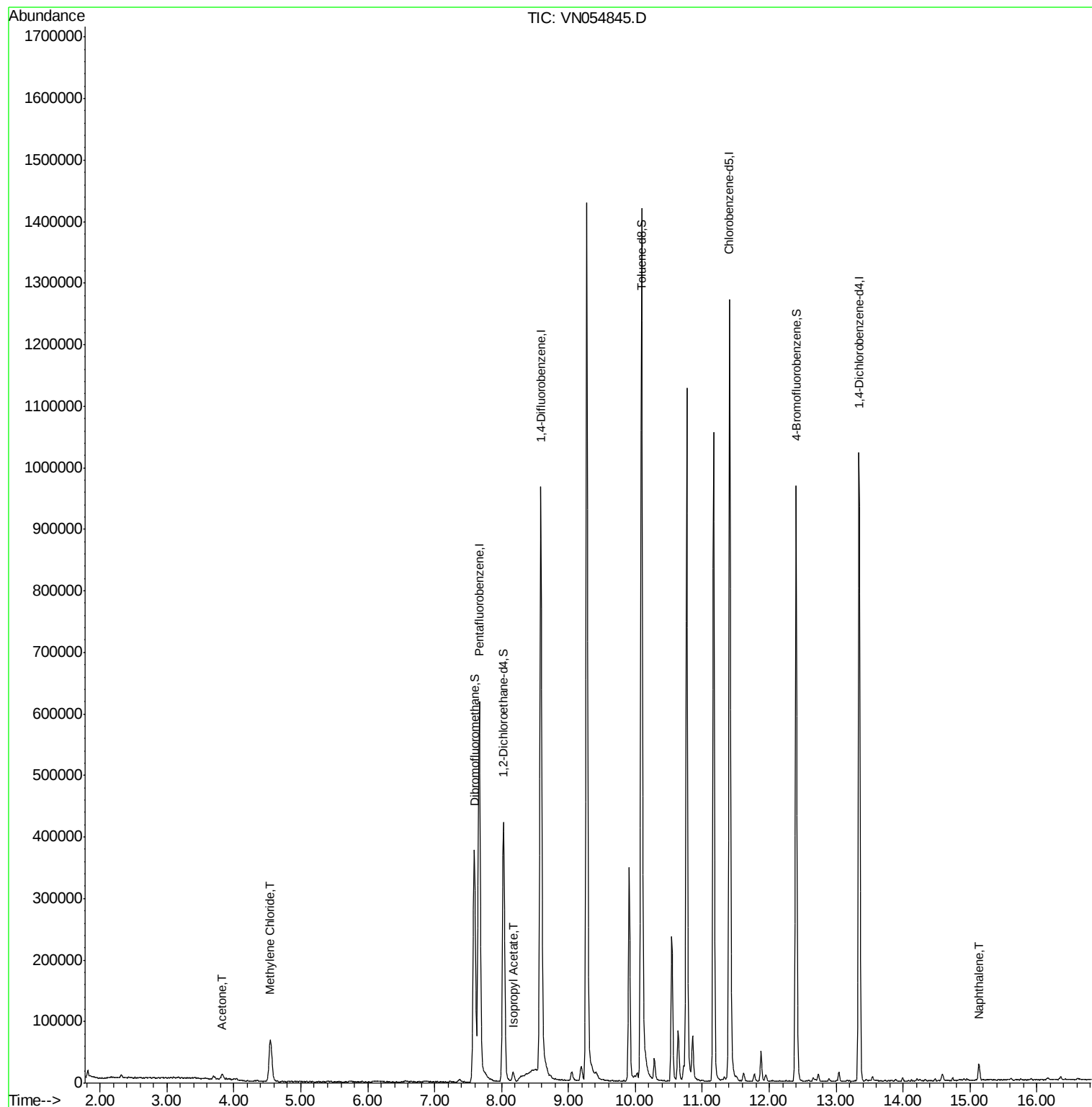
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	526154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	873616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	749106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	276457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	364844	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.88%	
35) Dibromofluoromethane	7.59	113	281146	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1054738	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	324830	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
Target Compounds						
16) Acetone	3.82	43	14631	8.650	ug/l #	75
20) Methylene Chloride	4.54	84	47687	7.993	ug/l #	86
43) Isopropyl Acetate	8.17	43	18204	1.877	ug/l #	94
95) Naphthalene	15.13	128	22397	2.248	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 2019
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: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

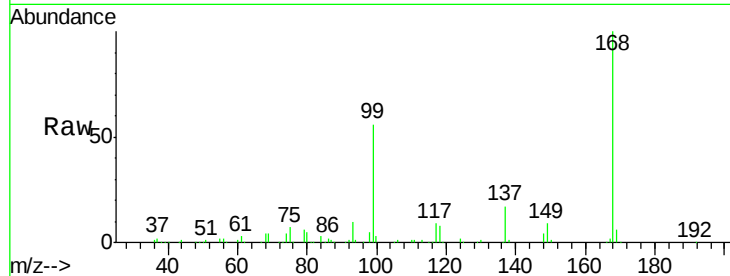
NB-08-032919-A

Tgt Ion:168 Resp: 526154

Ion Ratio Lower Upper

168 100

99 56.3 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054762.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054762.D (-1813) (-)

7.67

250000

200000

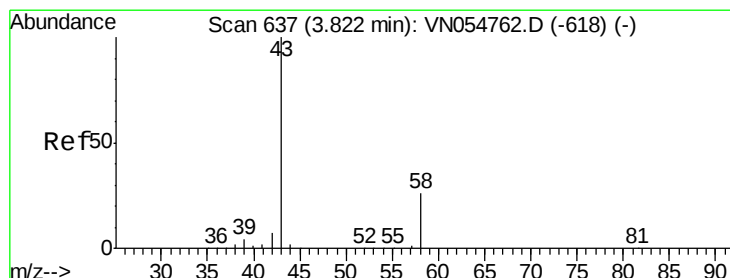
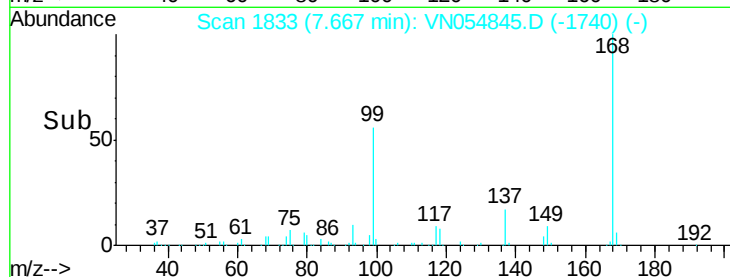
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.650 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054845.D

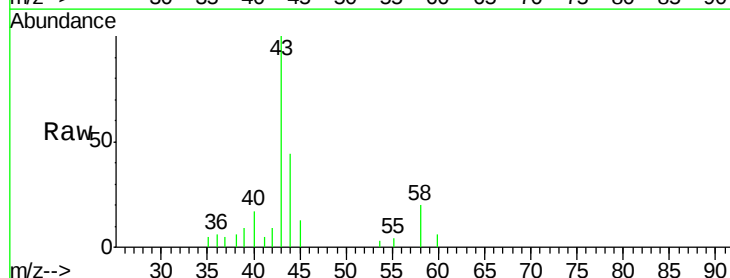
Acq: 31 Mar 2019 12:53

Tgt Ion: 43 Resp: 14631

Ion Ratio Lower Upper

43 100

58 22.4 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

3.82

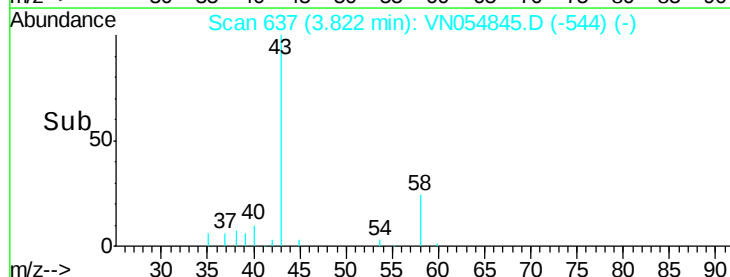
6000

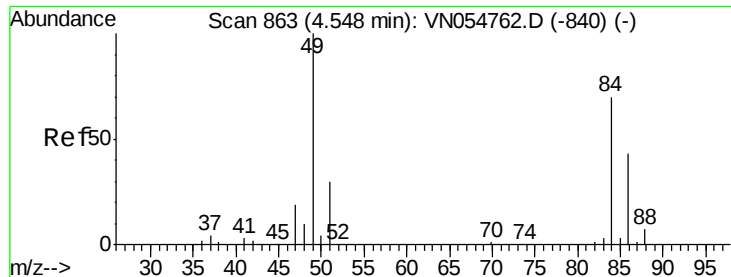
4000

2000

0

Time-->

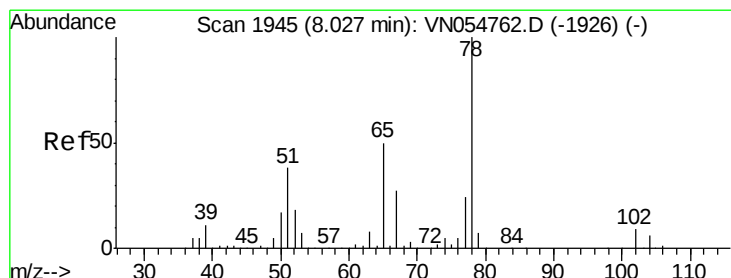
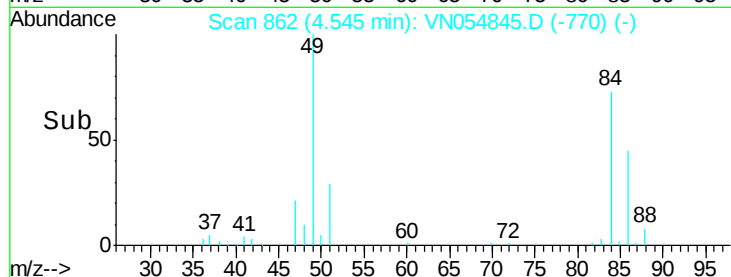
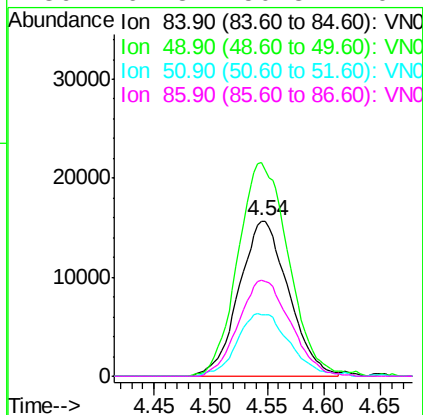
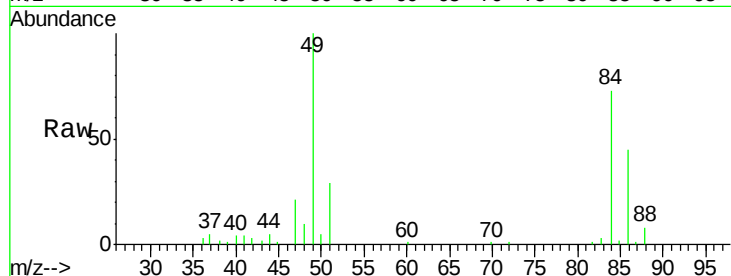




#20
Methylene Chloride
Concen: 7.993 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

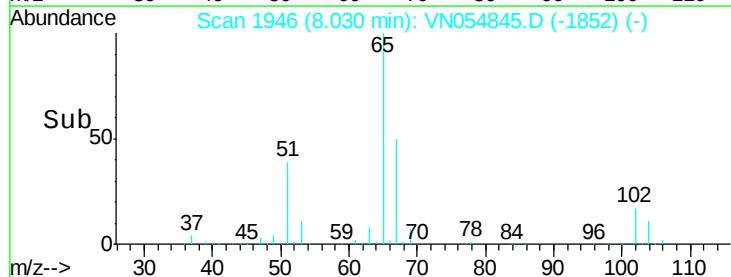
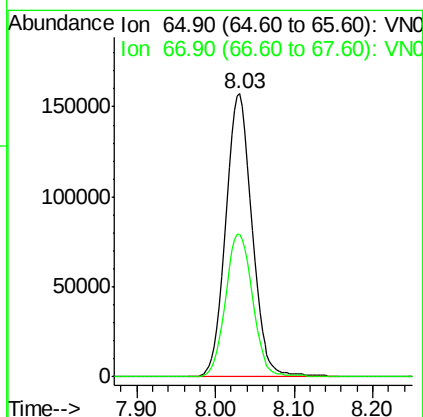
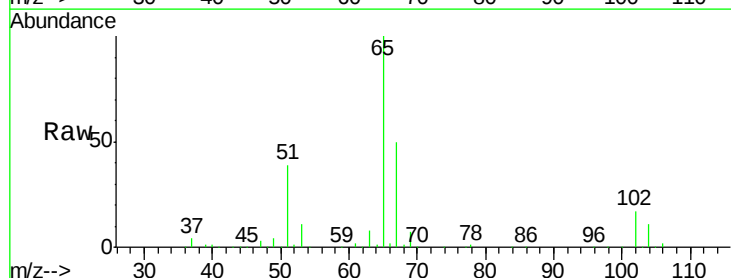
Instrument :
MSVOA_N
ClientSampleId :
NB-08-032919-A

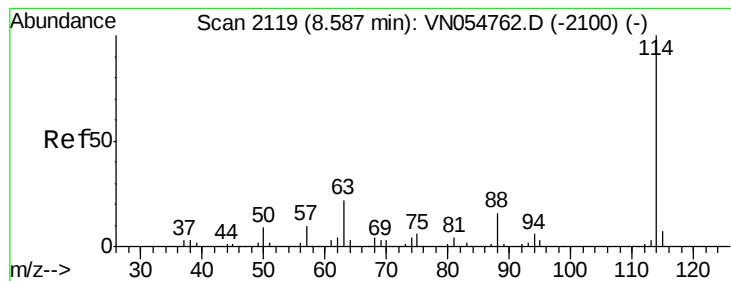
Tgt Ion: 84 Resp: 47687
Ion Ratio Lower Upper
84 100
49 137.4 89.7 134.5#
51 39.7 28.2 42.4
86 61.8 50.8 76.2



#33
1,2-Dichloroethane-d4
Concen: 51.439 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054845.D
Acq: 31 Mar 2019 12:53

Tgt Ion: 65 Resp: 364844
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

NB-08-032919-A

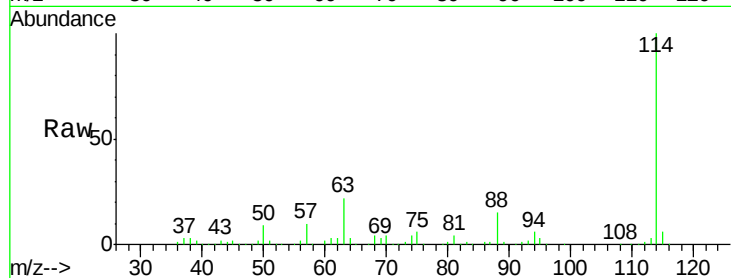
Tgt Ion:114 Resp: 873616

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

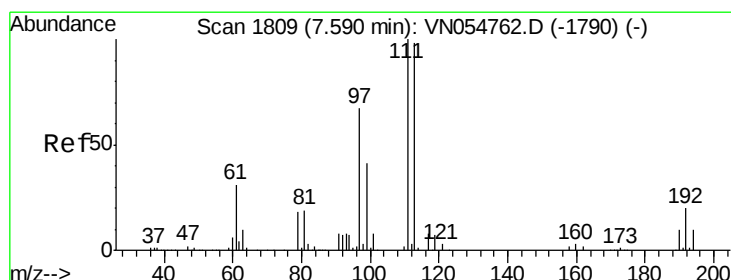
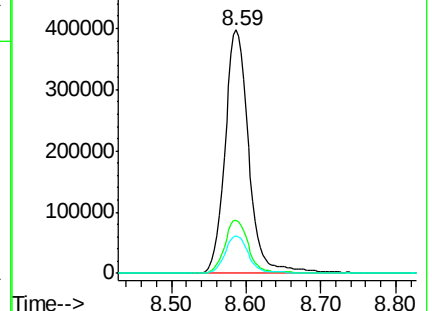
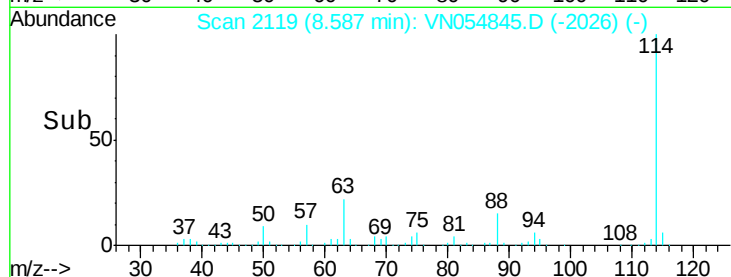
88 15.3 0.0 30.2



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: 48.271 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

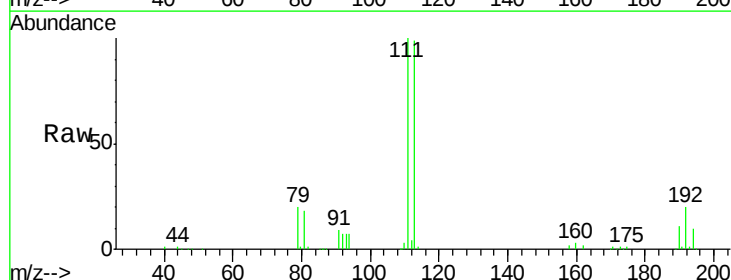
Tgt Ion:113 Resp: 281146

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

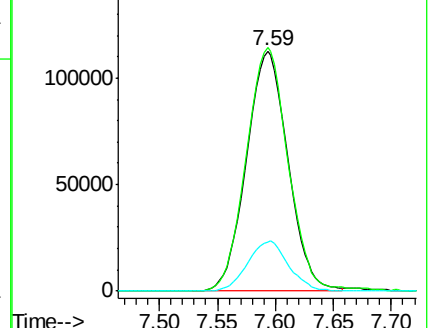
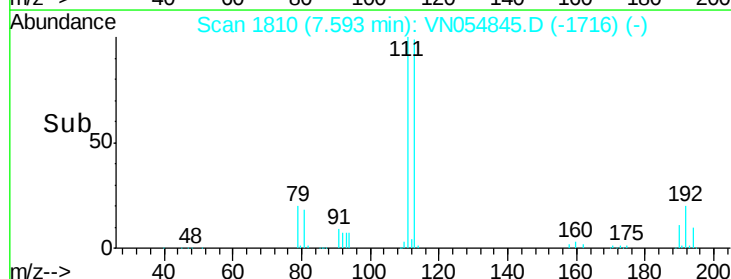
192 20.5 19.2 28.8

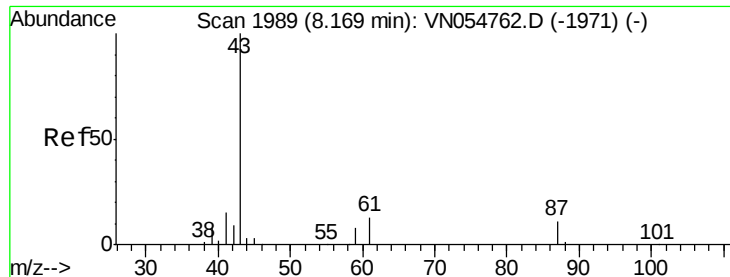


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.877 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

NB-08-032919-A

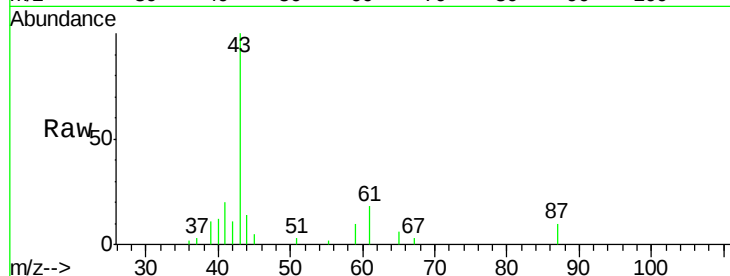
Tgt Ion: 43 Resp: 18204

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.8

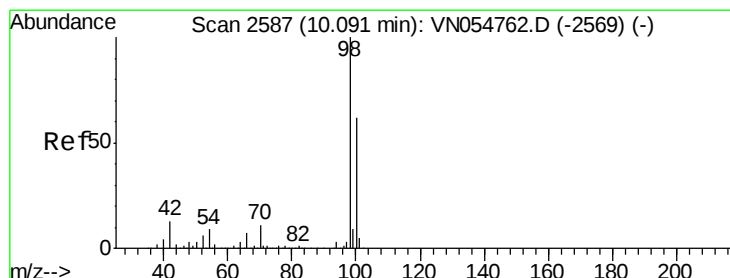
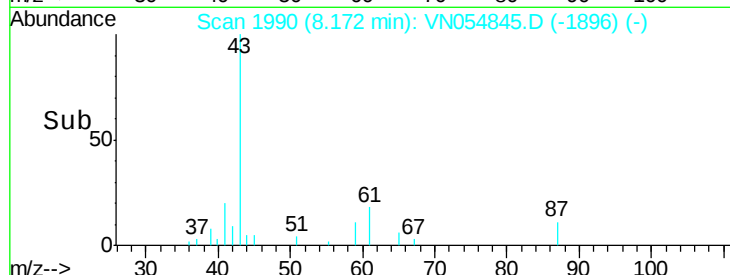
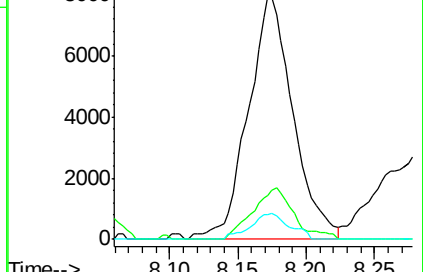
87 9.3 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054762.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054762.D (-1971) (-)



#50

Toluene-d8

Concen: 48.710 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054845.D

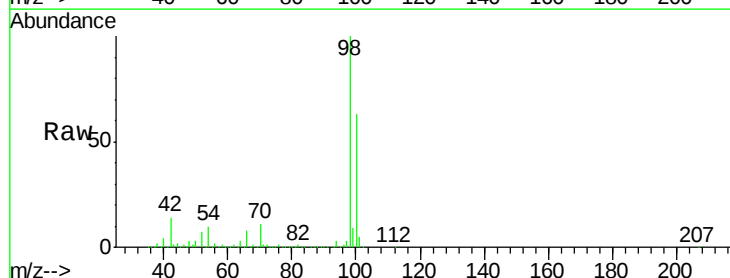
Acq: 31 Mar 2019 12:53

Tgt Ion: 98 Resp: 1054738

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

Ion 112.00 (111.70 to 112.70): VN054762.D (-2569) (-)

Ion 207.00 (206.70 to 207.70): VN054762.D (-2569) (-)

Ion 229.00 (228.70 to 229.70): VN054762.D (-2569) (-)

Ion 254.00 (253.70 to 254.70): VN054762.D (-2569) (-)

Ion 281.00 (280.70 to 281.70): VN054762.D (-2569) (-)

Ion 306.00 (305.70 to 306.70): VN054762.D (-2569) (-)

Ion 331.00 (330.70 to 331.70): VN054762.D (-2569) (-)

Ion 356.00 (355.70 to 356.70): VN054762.D (-2569) (-)

Ion 381.00 (380.70 to 381.70): VN054762.D (-2569) (-)

Ion 406.00 (405.70 to 406.70): VN054762.D (-2569) (-)

Ion 431.00 (430.70 to 431.70): VN054762.D (-2569) (-)

Ion 456.00 (455.70 to 456.70): VN054762.D (-2569) (-)

Ion 481.00 (480.70 to 481.70): VN054762.D (-2569) (-)

Ion 506.00 (505.70 to 506.70): VN054762.D (-2569) (-)

Ion 531.00 (530.70 to 531.70): VN054762.D (-2569) (-)

Ion 556.00 (555.70 to 556.70): VN054762.D (-2569) (-)

Ion 581.00 (580.70 to 581.70): VN054762.D (-2569) (-)

Ion 606.00 (605.70 to 606.70): VN054762.D (-2569) (-)

Ion 631.00 (630.70 to 631.70): VN054762.D (-2569) (-)

Ion 656.00 (655.70 to 656.70): VN054762.D (-2569) (-)

Ion 681.00 (680.70 to 681.70): VN054762.D (-2569) (-)

Ion 706.00 (705.70 to 706.70): VN054762.D (-2569) (-)

Ion 731.00 (730.70 to 731.70): VN054762.D (-2569) (-)

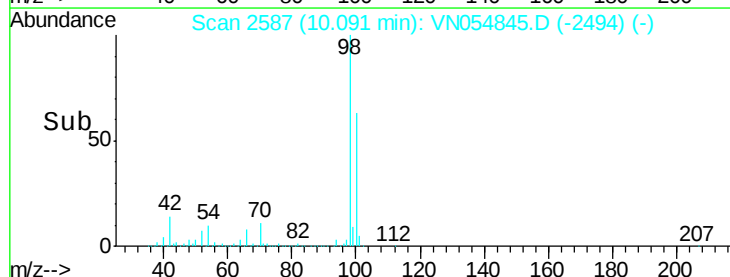
Ion 756.00 (755.70 to 756.70): VN054762.D (-2569) (-)

Ion 781.00 (780.70 to 781.70): VN054762.D (-2569) (-)

Ion 806.00 (805.70 to 806.70): VN054762.D (-2569) (-)

Ion 831.00 (830.70 to 831.70): VN054762.D (-2569) (-)

Ion 856.00 (855.70 to 856.70): VN054762.D (-2569) (-)



Abundance Ion 98.00 (97.70 to 98.70): VN054845.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054845.D (-2494) (-)

Ion 112.00 (111.70 to 112.70): VN054845.D (-2494) (-)

Ion 207.00 (206.70 to 207.70): VN054845.D (-2494) (-)

Ion 229.00 (228.70 to 229.70): VN054845.D (-2494) (-)

Ion 254.00 (253.70 to 254.70): VN054845.D (-2494) (-)

Ion 281.00 (280.70 to 281.70): VN054845.D (-2494) (-)

Ion 306.00 (305.70 to 306.70): VN054845.D (-2494) (-)

Ion 331.00 (330.70 to 331.70): VN054845.D (-2494) (-)

Ion 356.00 (355.70 to 356.70): VN054845.D (-2494) (-)

Ion 381.00 (380.70 to 381.70): VN054845.D (-2494) (-)

Ion 406.00 (405.70 to 406.70): VN054845.D (-2494) (-)

Ion 431.00 (430.70 to 431.70): VN054845.D (-2494) (-)

Ion 456.00 (455.70 to 456.70): VN054845.D (-2494) (-)

Ion 481.00 (480.70 to 481.70): VN054845.D (-2494) (-)

Ion 506.00 (505.70 to 506.70): VN054845.D (-2494) (-)

Ion 531.00 (530.70 to 531.70): VN054845.D (-2494) (-)

Ion 556.00 (555.70 to 556.70): VN054845.D (-2494) (-)

Ion 581.00 (580.70 to 581.70): VN054845.D (-2494) (-)

Ion 606.00 (605.70 to 606.70): VN054845.D (-2494) (-)

Ion 631.00 (630.70 to 631.70): VN054845.D (-2494) (-)

Ion 656.00 (655.70 to 656.70): VN054845.D (-2494) (-)

Ion 681.00 (680.70 to 681.70): VN054845.D (-2494) (-)

Ion 706.00 (705.70 to 706.70): VN054845.D (-2494) (-)

Ion 731.00 (730.70 to 731.70): VN054845.D (-2494) (-)

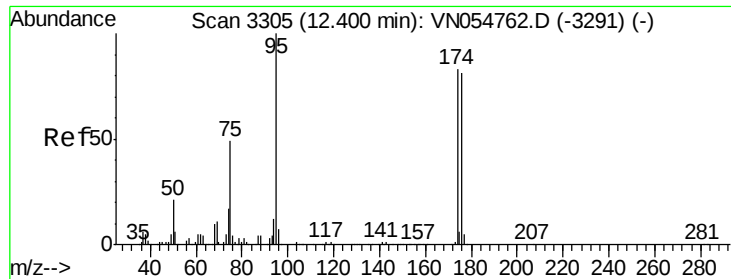
Ion 756.00 (755.70 to 756.70): VN054845.D (-2494) (-)

Ion 781.00 (780.70 to 781.70): VN054845.D (-2494) (-)

Ion 806.00 (805.70 to 806.70): VN054845.D (-2494) (-)

Ion 831.00 (830.70 to 831.70): VN054845.D (-2494) (-)

Ion 856.00 (855.70 to 856.70): VN054845.D (-2494) (-)



#62

4-Bromofluorobenzene

Concen: 45.106 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

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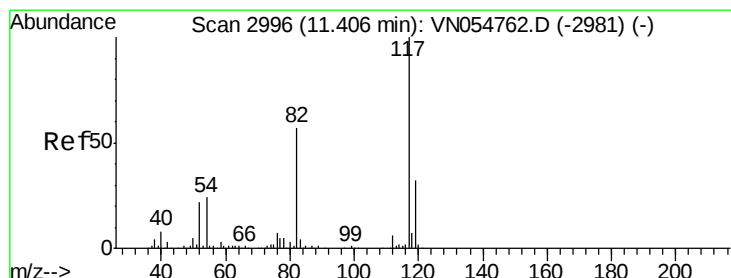
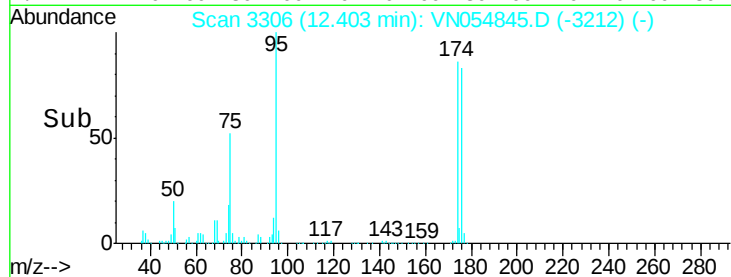
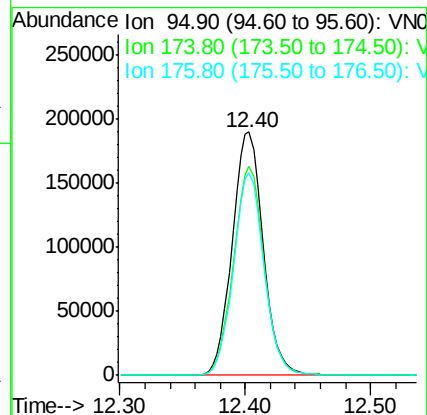
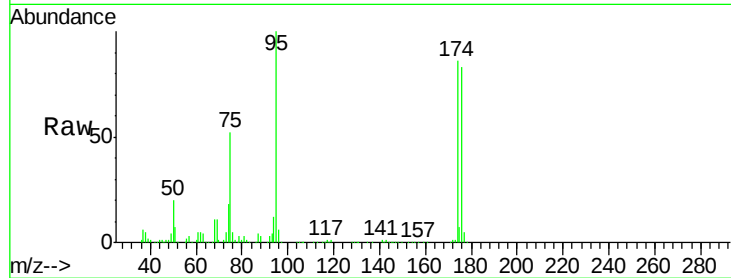
Tgt Ion: 95 Resp: 324830

Ion Ratio Lower Upper

95 100

174 85.1 0.0 191.0

176 82.2 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

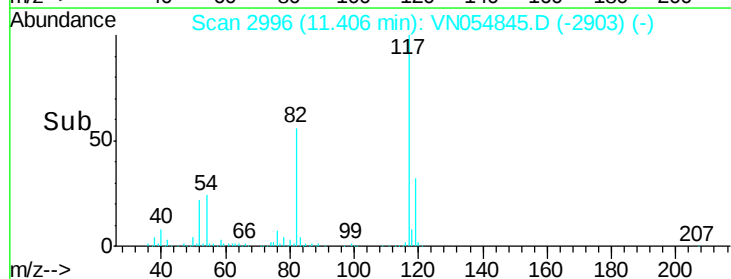
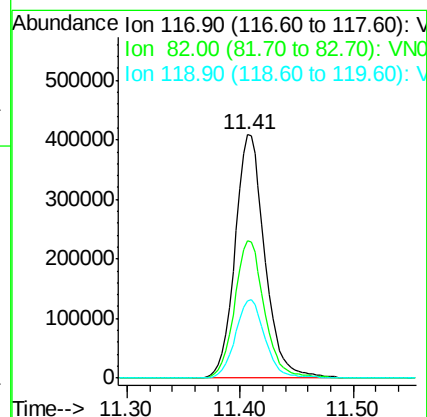
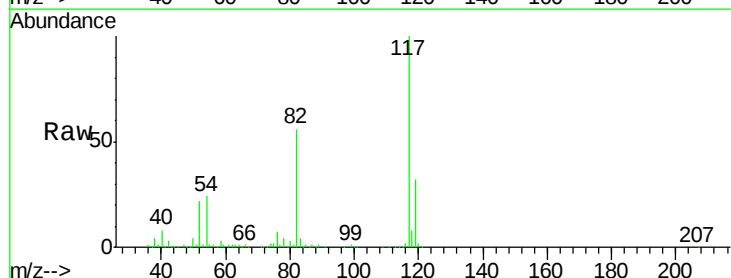
Tgt Ion: 117 Resp: 749106

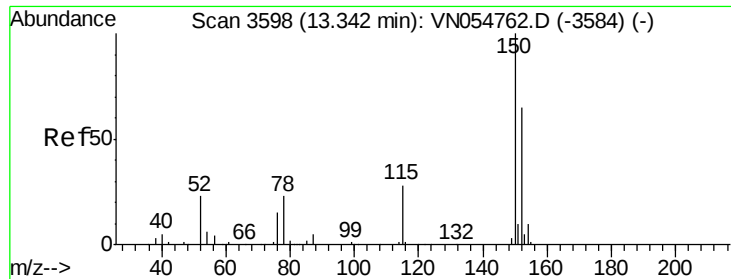
Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054845.D

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NB-08-032919-A

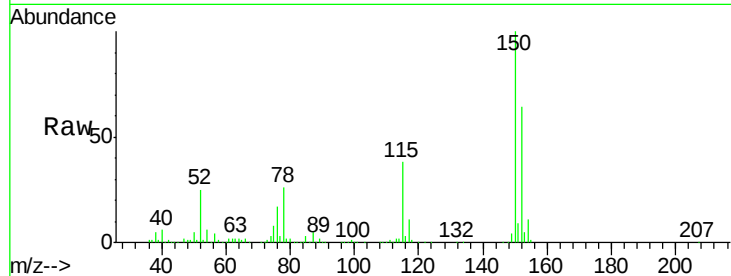
Tgt Ion:152 Resp: 276457

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

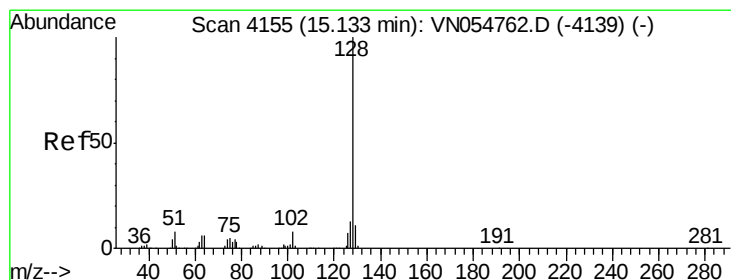
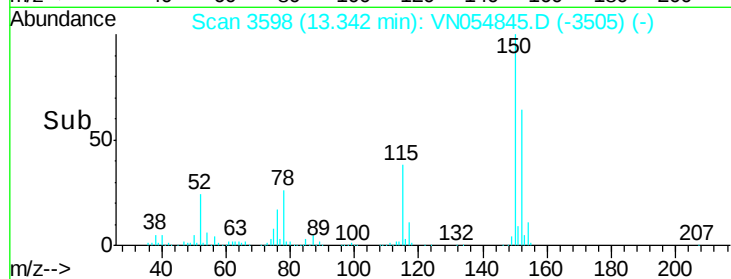
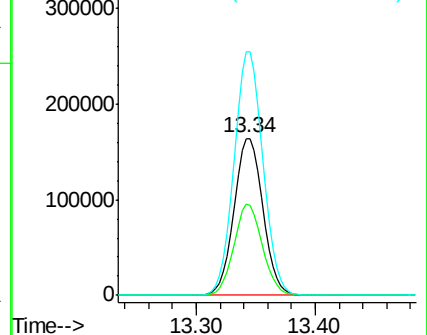
150 155.1 0.0 349.2



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: 2.248 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054845.D

Acq: 31 Mar 2019 12:53

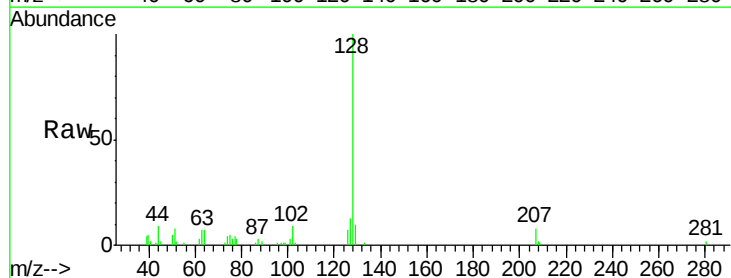
Tgt Ion:128 Resp: 22397

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 9.9 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

