

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000767.D
 Acq On : 10 Apr 2018 23:44
 Operator : JC/MD
 Sample : J2155-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-01-040618-B

Quant Time: Apr 11 08:56:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243032	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	158672	39.64	ug/l	0.00
Spiked Amount			Recovery	=	79.28%	
35) Dibromofluoromethane	5.51	113	134894	39.83	ug/l	0.00
Spiked Amount			Recovery	=	79.66%	
50) Toluene-d8	8.73	98	506565	40.17	ug/l	0.00
Spiked Amount			Recovery	=	80.34%	
62) 4-Bromofluorobenzene	11.15	95	205223	39.34	ug/l	0.00
Spiked Amount			Recovery	=	78.68%	

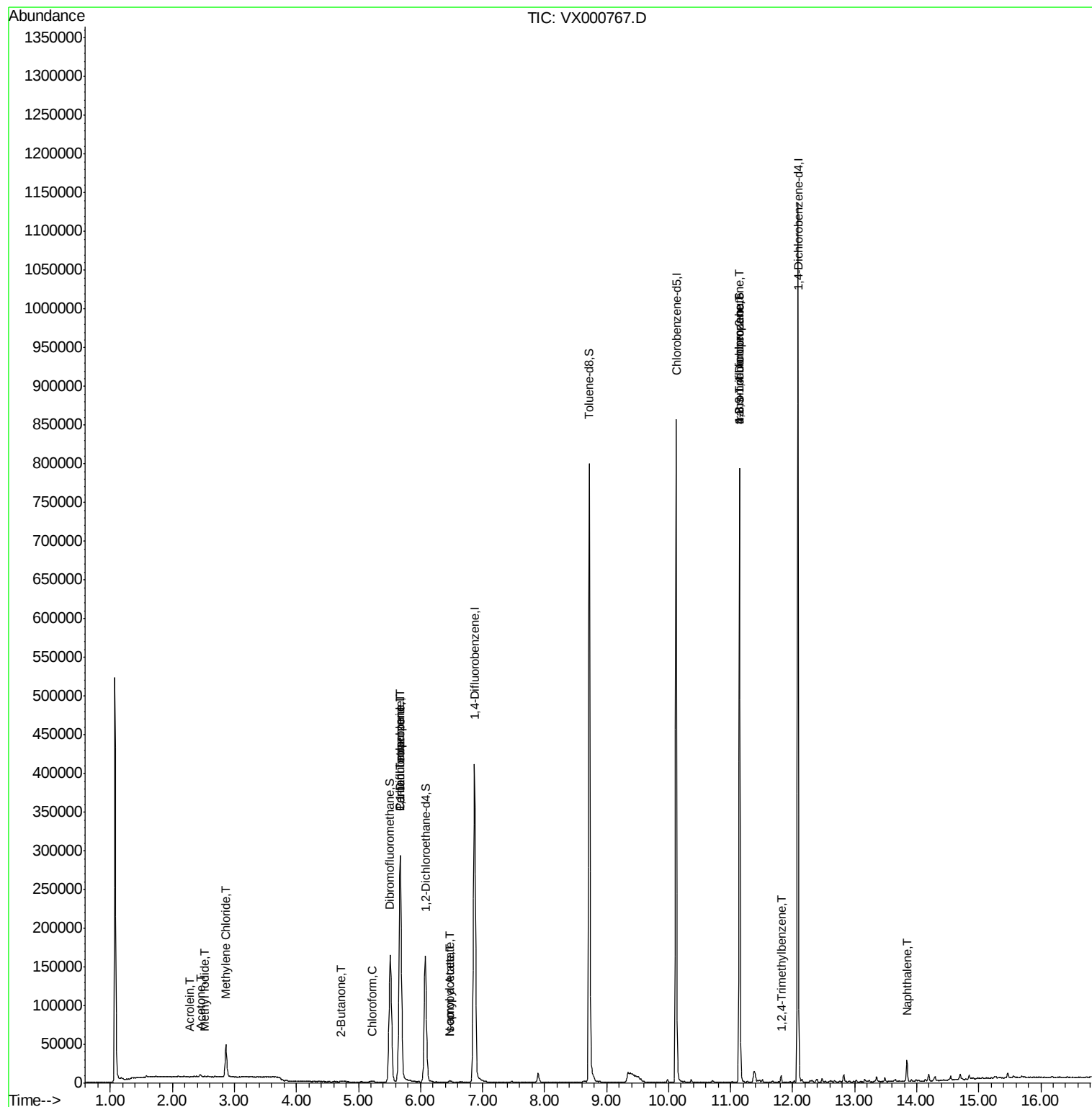
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	326	Below Cal		88
10) Methyl Iodide	2.51	142	252	8.32	ug/l #	53
13) Acrolein	2.28	56	110	0.32	ug/l #	39
16) Acetone	2.45	43	3671	2.66	ug/l #	86
20) Methylene Chloride	2.87	84	20302	6.32	ug/l	98
25) 2-Butanone	4.73	43	1098	0.48	ug/l #	85
30) Chloroform	5.23	83	1329	0.23	ug/l	99
36) 1,1-Dichloropropene	5.67	75	18511	3.82	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26894	4.96	ug/l #	15
43) Isopropyl Acetate	6.48	43	2399	0.30	ug/l #	93
74) N-amyl acetate	6.48	43	2399	0.35	ug/l #	95
76) 1,2,3-Trichloropropane	11.14	75	100514	23.98	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	100514	65.97	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.82	105	3849	0.28	ug/l	99
95) Naphthalene	13.84	128	17004	0.96	ug/l	99

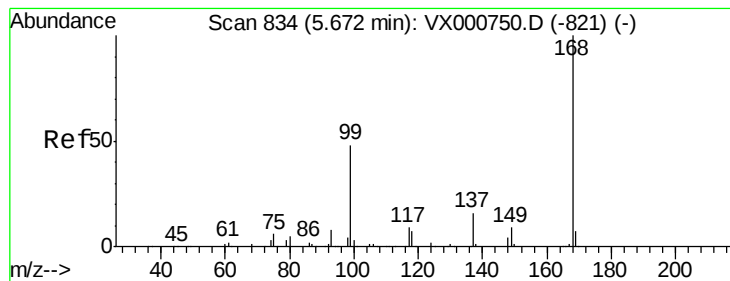
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

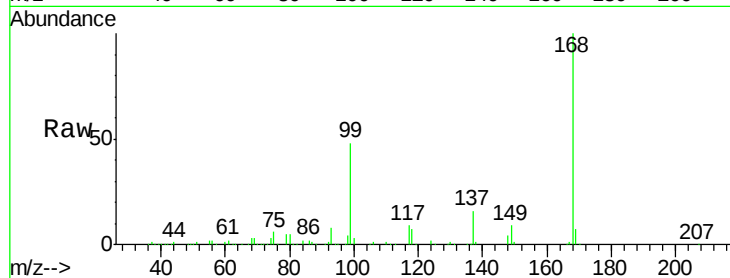
NB-01-040618-B

Tot Ion:168 Resp: 317498

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

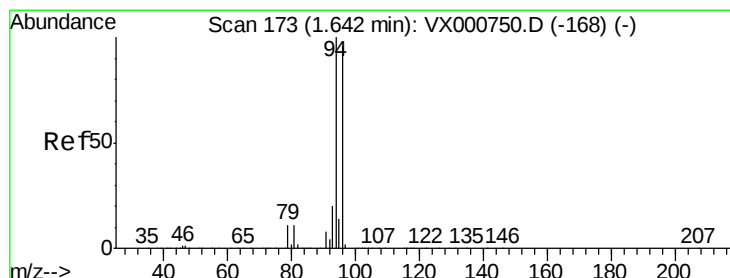
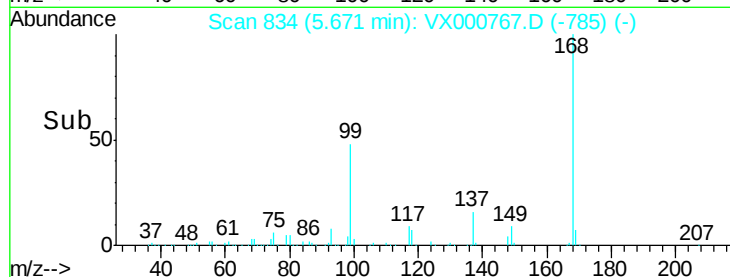
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000767.D

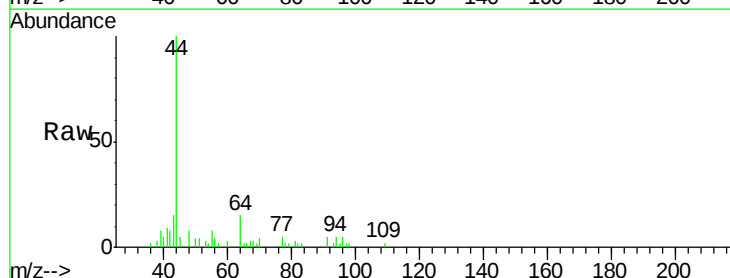
Acq: 10 Apr 2018 23:44

Tgt Ion: 94 Resp: 326

Ion Ratio Lower Upper

94 100

96 108.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

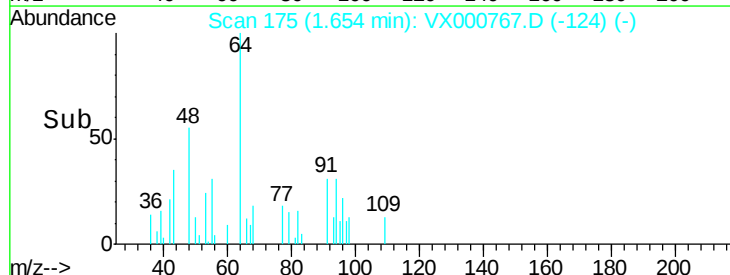
150

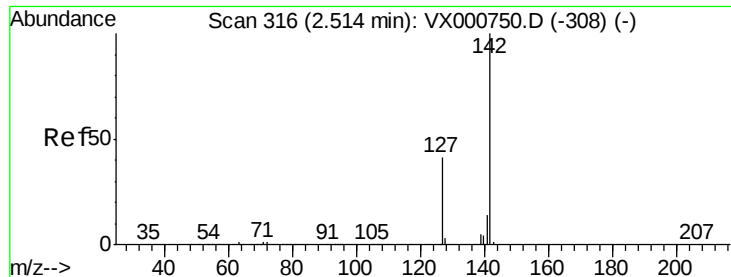
100

50

0

Time-->

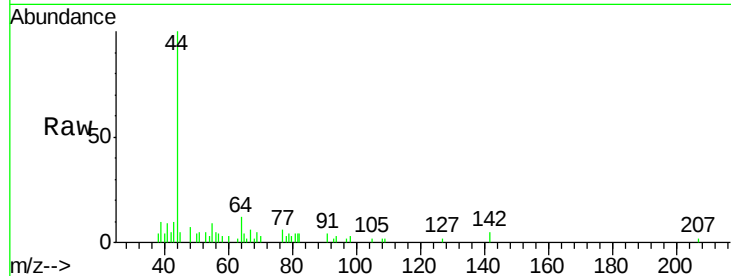




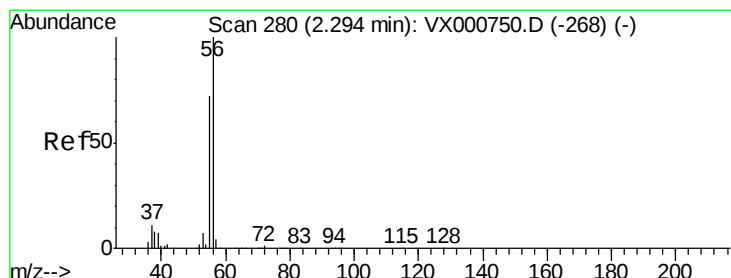
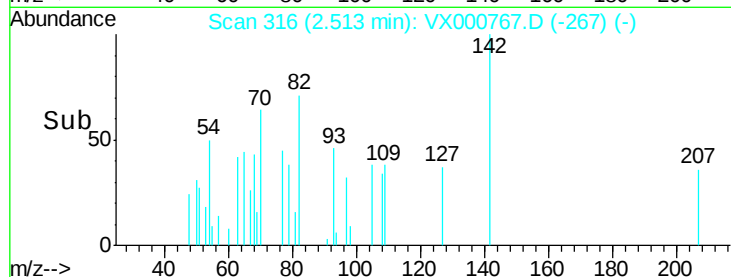
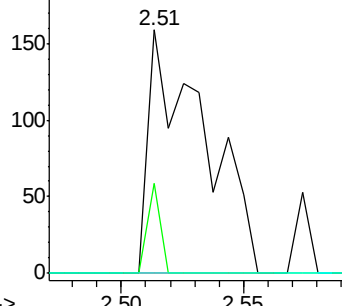
#10
Methvl Iodide
Concen: 8.32 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Instrument :
MSVOA_X
ClientSampleId :
NB-01-040618-B

Tot Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
127 8.7 32.6 49.0#
141 0.0 11.5 17.3#

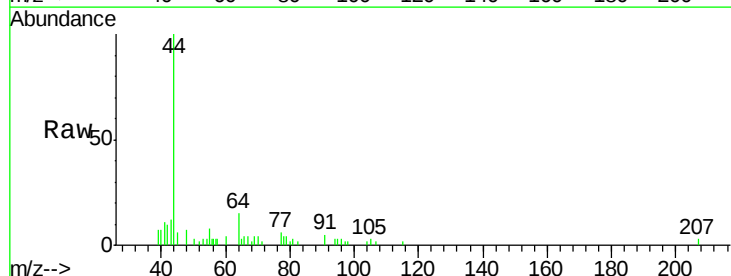


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

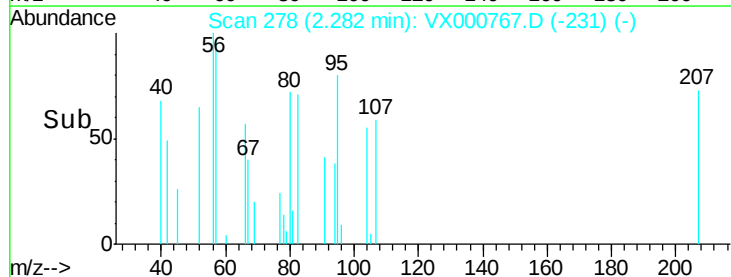
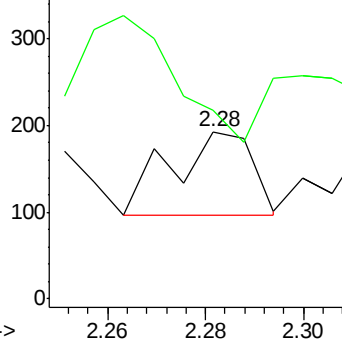


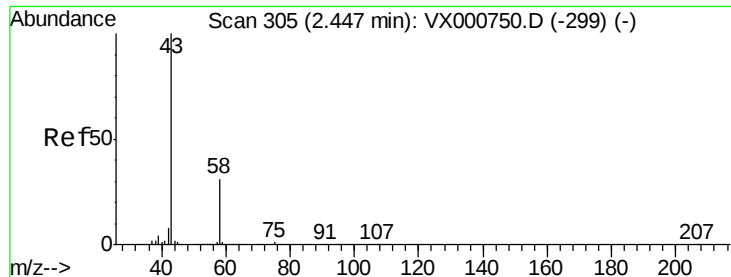
#13
Acrolein
Concen: 0.32 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 124.5 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

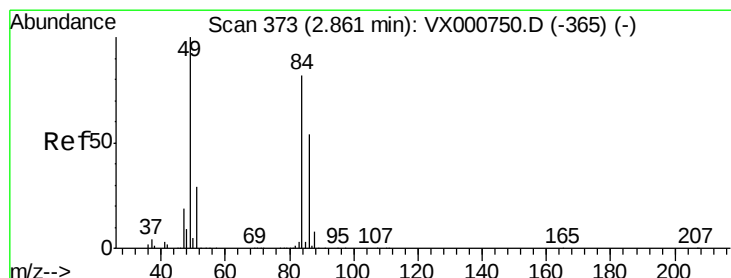
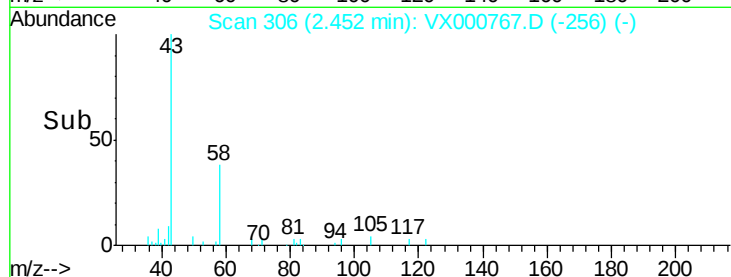
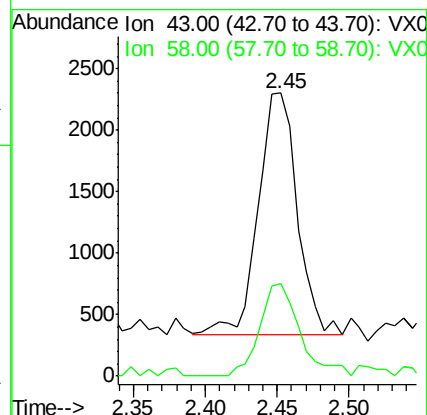
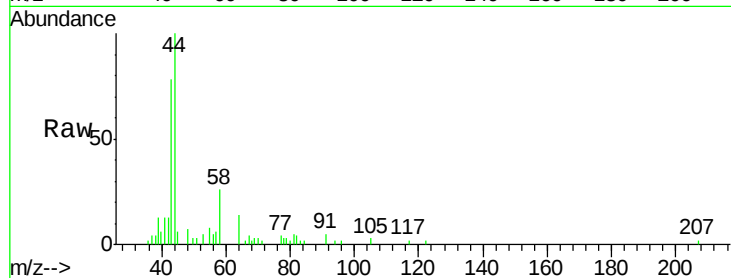
NB-01-040618-B

Tot Ion: 43 Resp: 3671

Ion Ratio Lower Upper

43 100

58 38.5 24.6 37.0#



#20

Methylene Chloride

Concen: 6.32 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Tgt Ion: 84 Resp: 20302

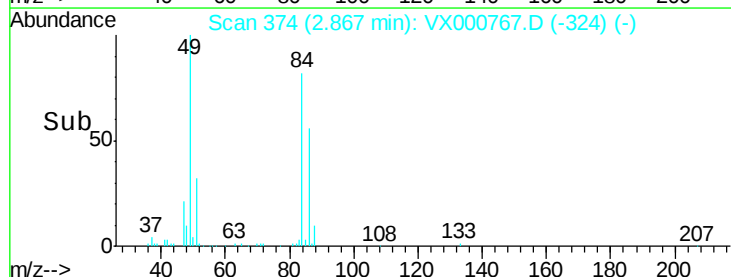
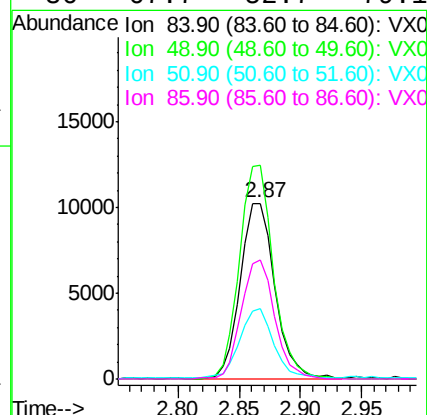
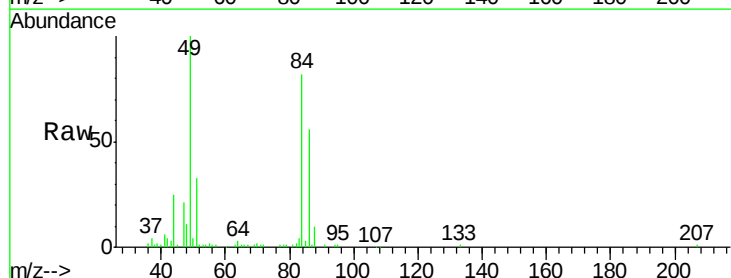
Ion Ratio Lower Upper

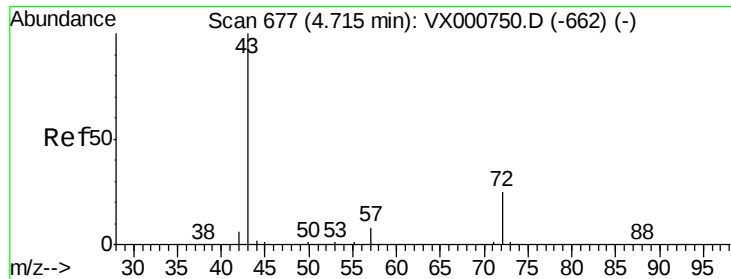
84 100

49 121.4 98.1 147.1

51 38.9 28.9 43.3

86 67.7 52.7 79.1

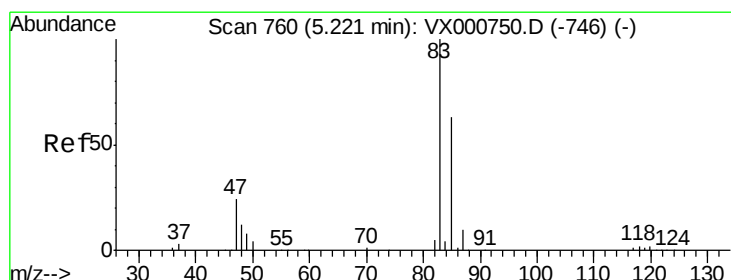
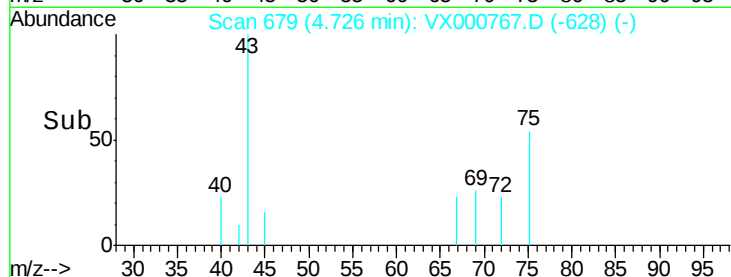
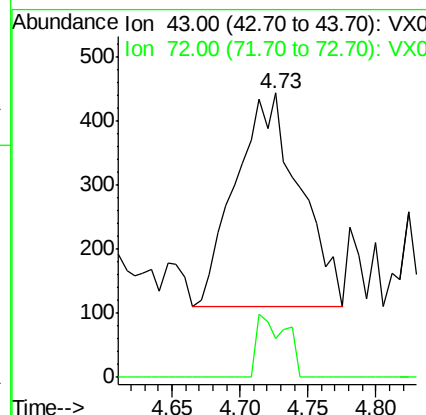
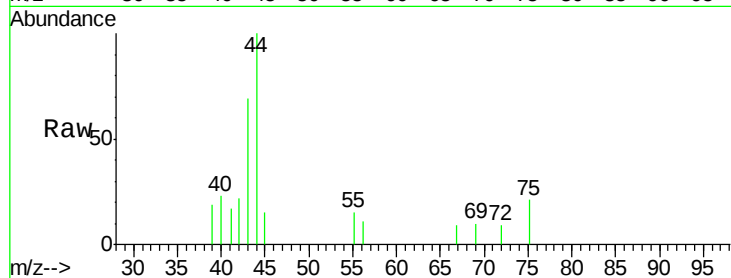




#25
2-Butanone
Concen: 0.48 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

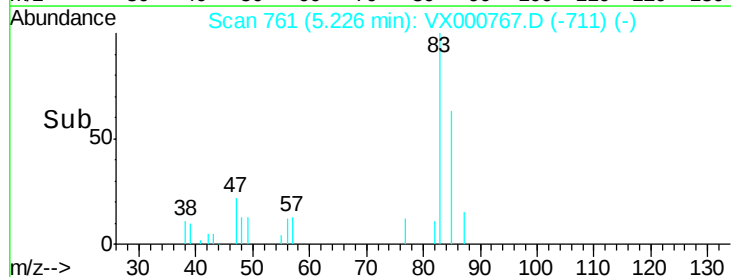
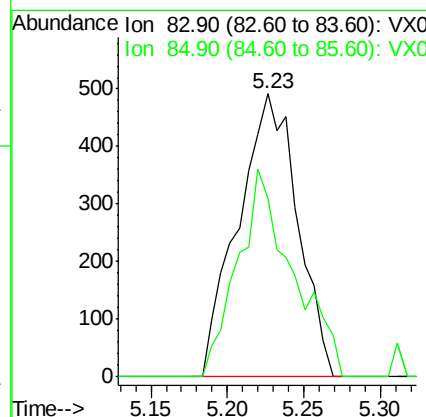
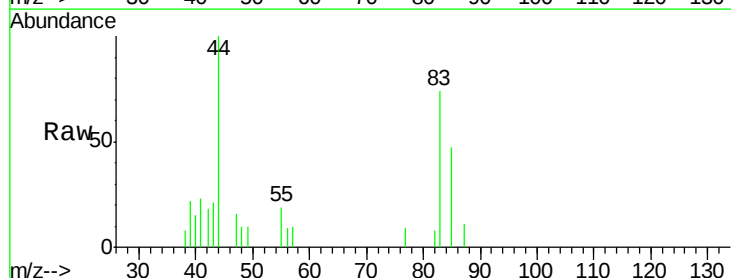
Instrument :
MSVOA_X
ClientSampled :
NB-01-040618-B

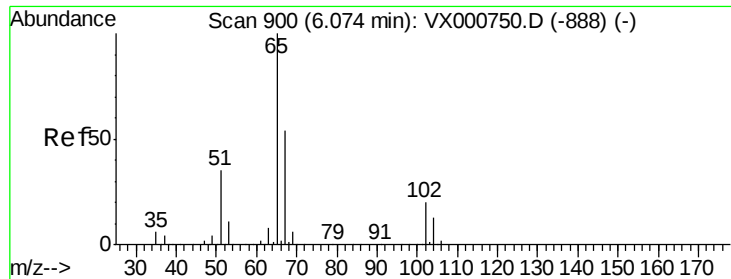
Tot Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
72 17.7 20.3 30.5#



#30
Chloroform
Concen: 0.23 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Tgt Ion: 83 Resp: 1329
Ion Ratio Lower Upper
83 100
85 63.0 50.7 76.1





#33

1,2-Dichloroethane-d4

Concen: 39.64 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

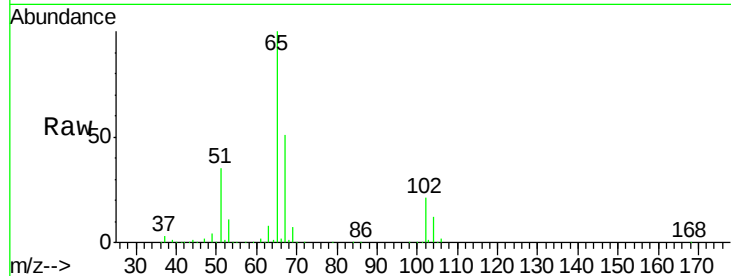
NB-01-040618-B

Tot Ion: 65 Resp: 158672

Ion Ratio Lower Upper

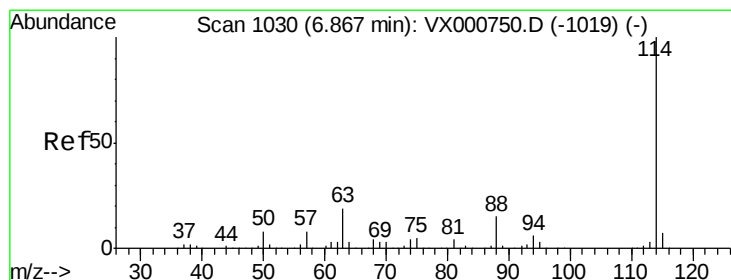
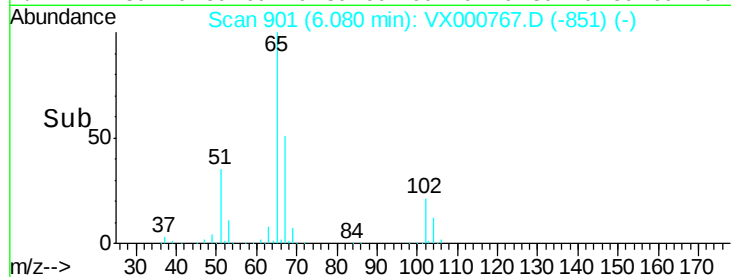
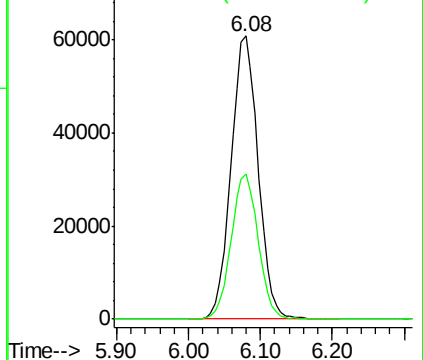
65 100

67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

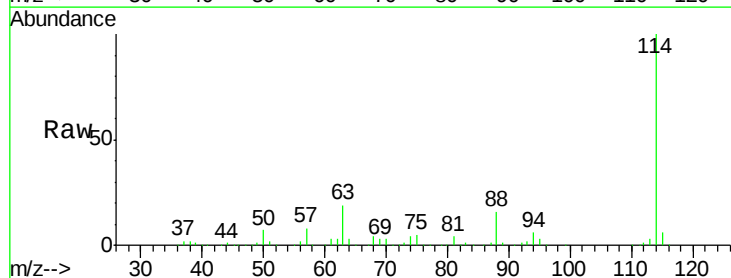
Tgt Ion: 114 Resp: 439559

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

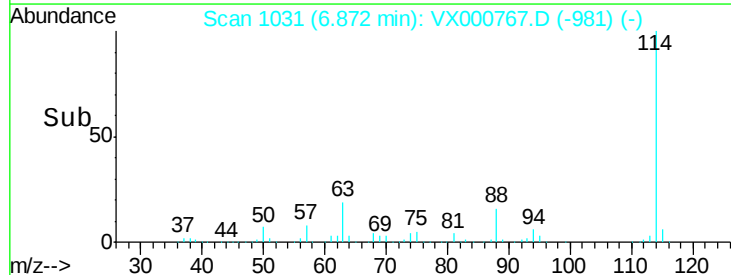
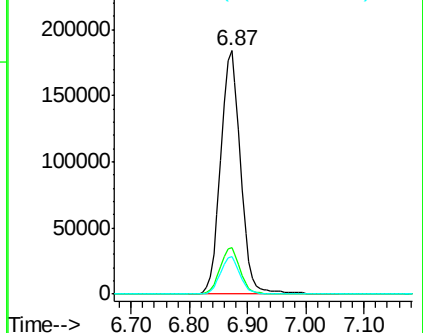
88 15.6 0.0 31.0

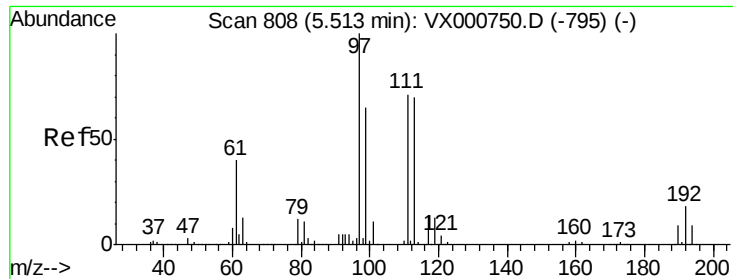


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

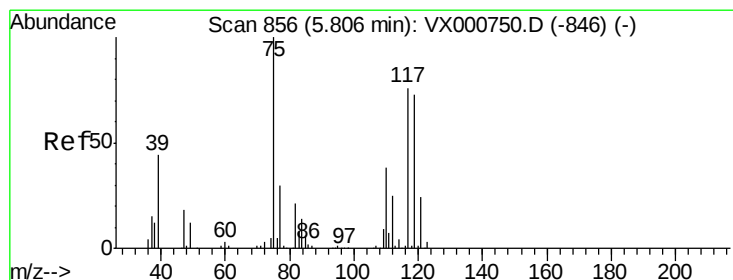
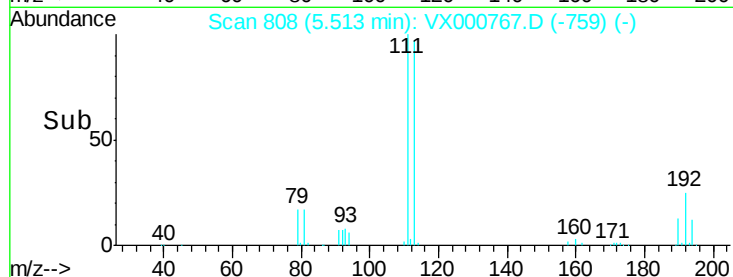
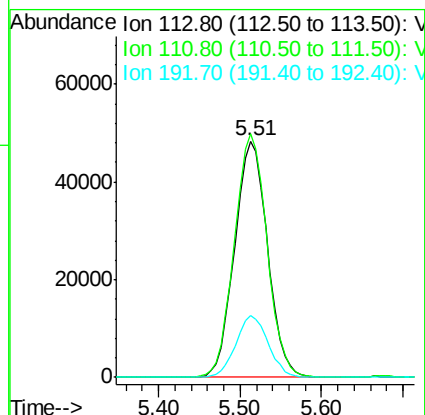
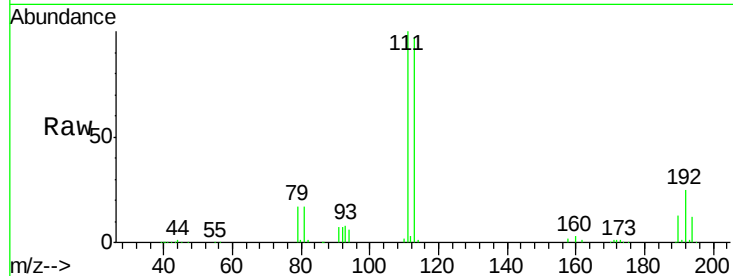




#35
 Dibromofluoromethane
 Concen: 39.83 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000767.D
 Acq: 10 Apr 2018 23:44

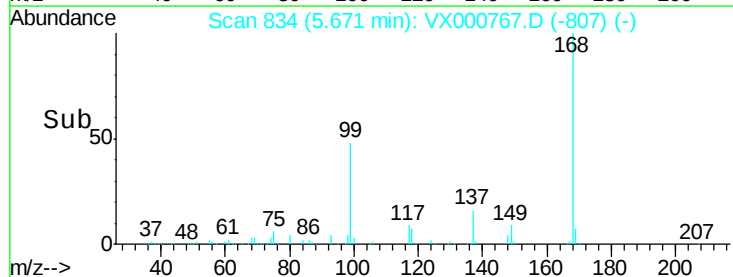
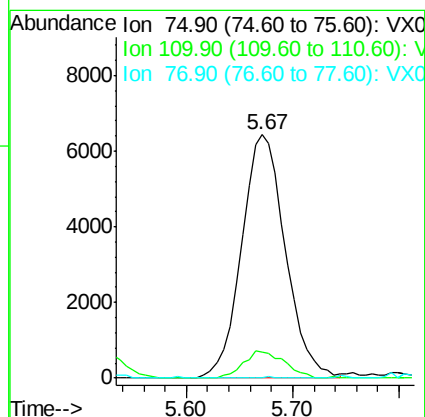
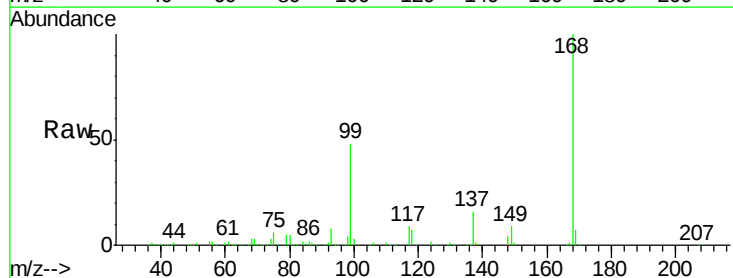
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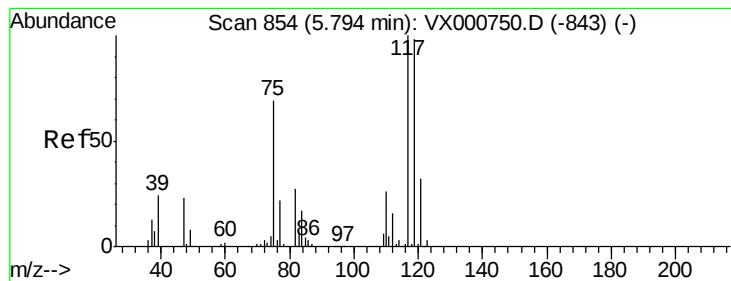
Tot Ion:113 Resp: 134894
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.5 122.3
 192 25.8 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000767.D
 Acq: 10 Apr 2018 23:44

Tgt Ion: 75 Resp: 18511
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.2 57.6#
 77 0.1 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

ClientSampled :

NB-01-040618-B

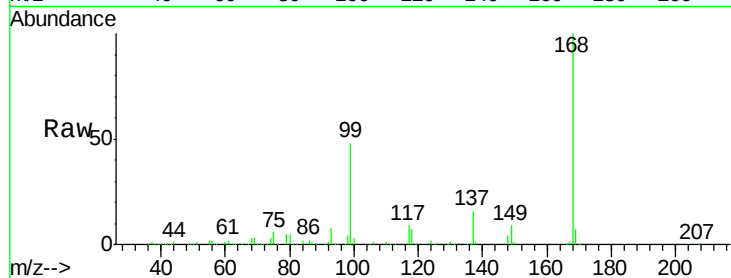
Tot Ion:117 Resp: 26894

Ion Ratio Lower Upper

117 100

119 5.2 78.4 117.6#

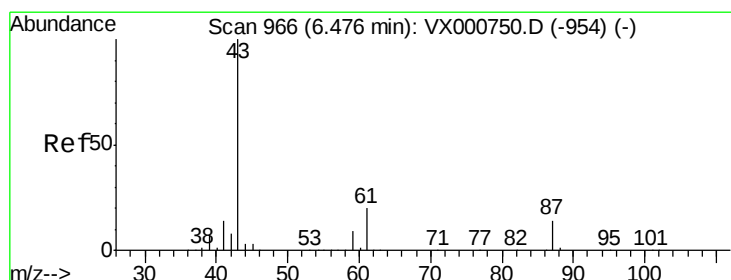
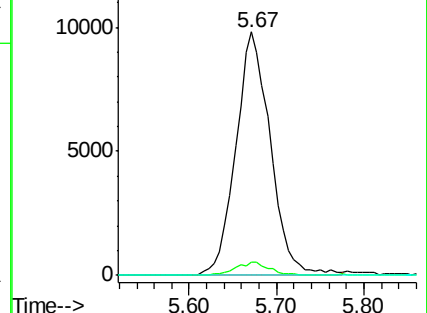
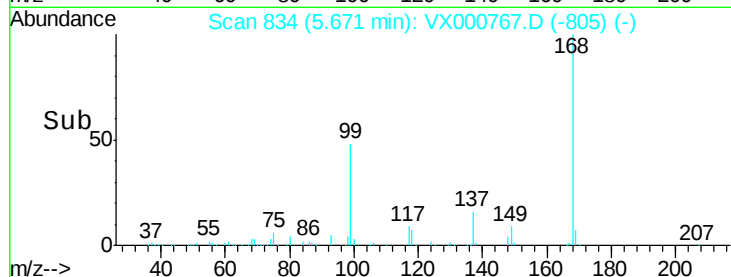
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

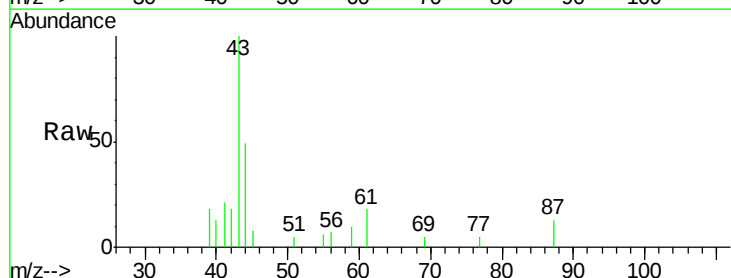
Tgt Ion: 43 Resp: 2399

Ion Ratio Lower Upper

43 100

61 17.2 15.6 23.4

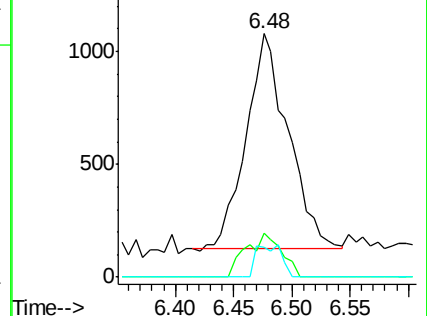
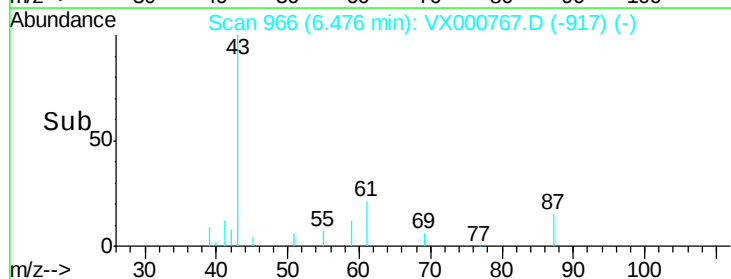
87 9.1 10.7 16.1#

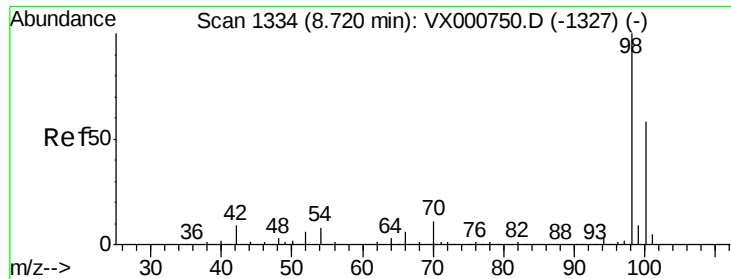


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

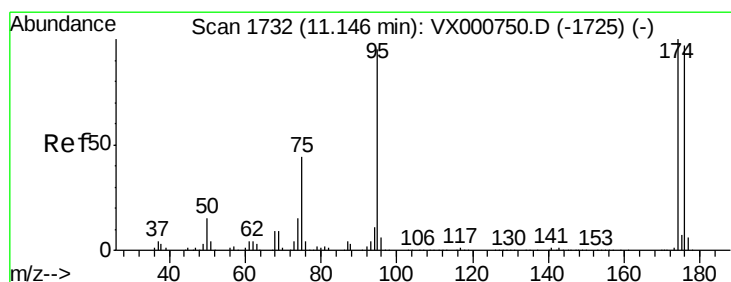
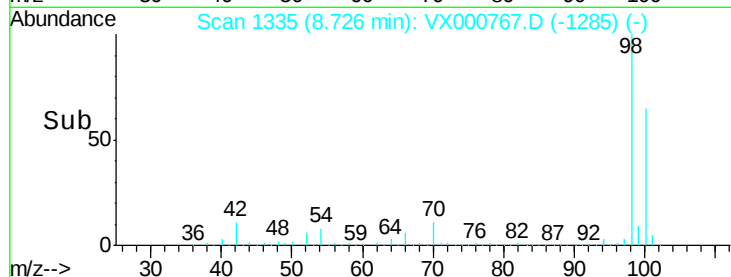
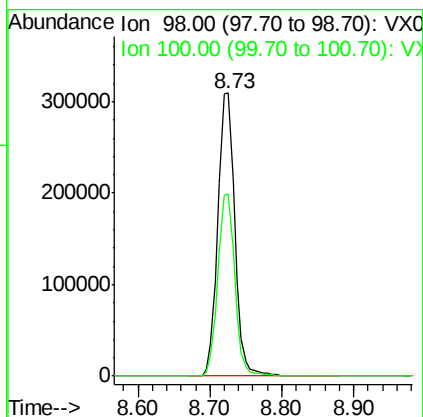
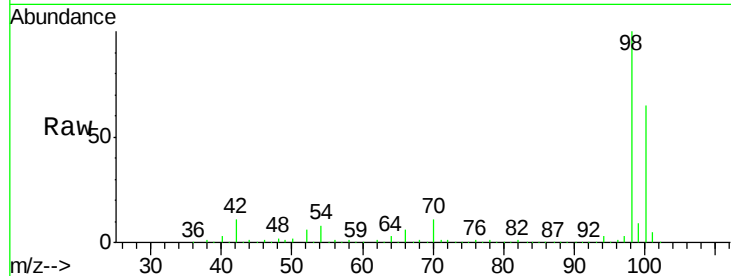




#50
Toluene-d8
Concen: 40.17 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

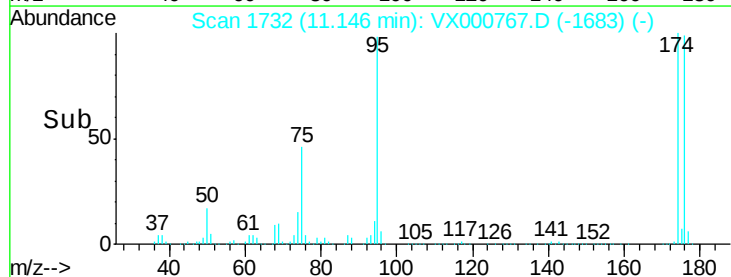
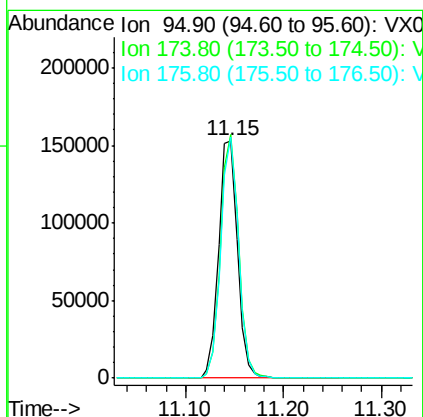
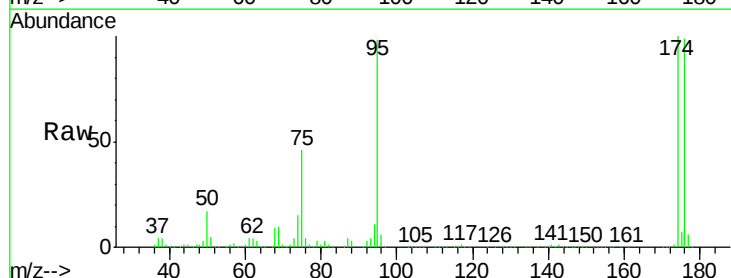
Instrument :
MSVOA_X
ClientSampleId :
NB-01-040618-B

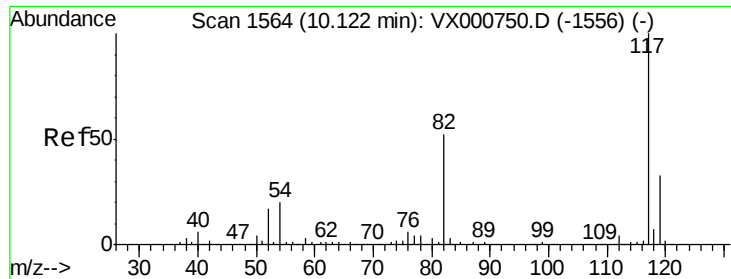
Tot Ion: 98 Resp: 506565
Ion Ratio Lower Upper
98 100
100 64.6 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 39.34 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Tgt Ion: 95 Resp: 205223
Ion Ratio Lower Upper
95 100
174 97.9 0.0 198.4
176 95.8 0.0 194.4

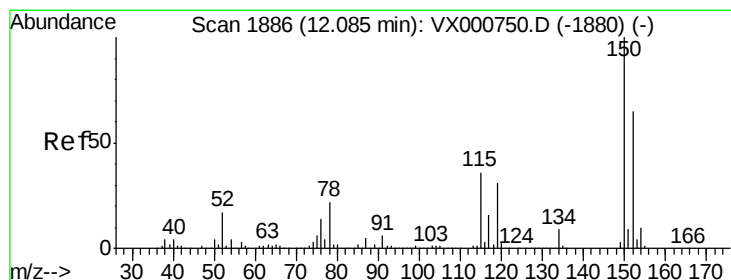
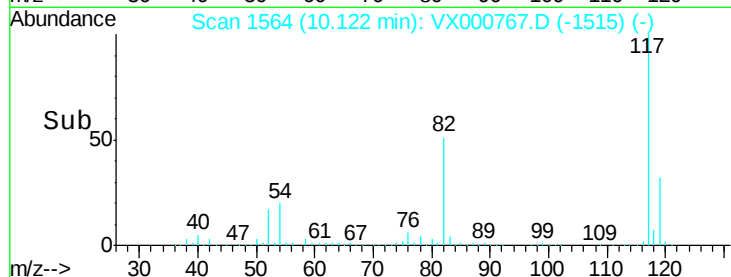
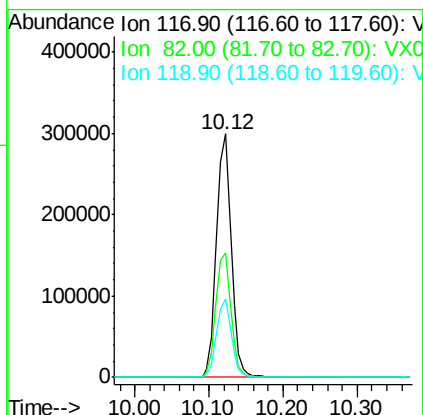
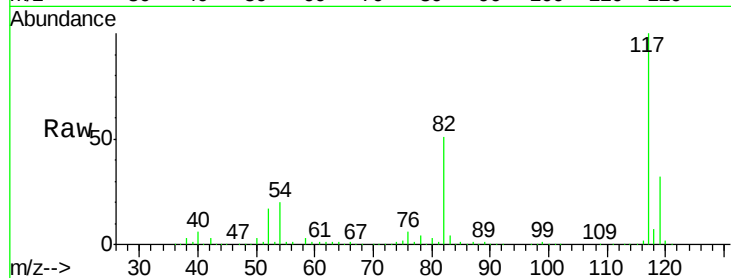




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

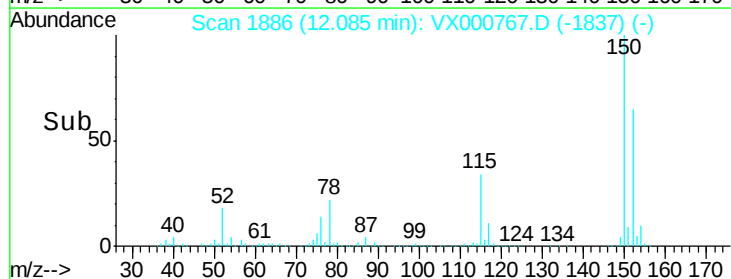
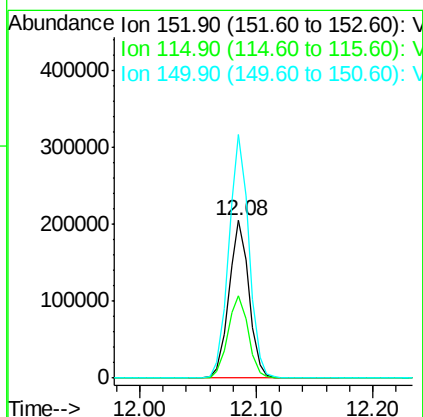
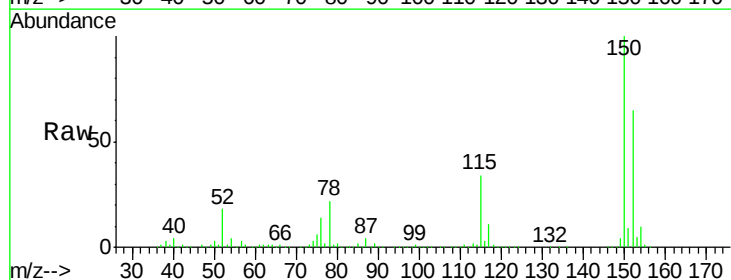
Instrument :
MSVOA_X
ClientSampleId :
NB-01-040618-B

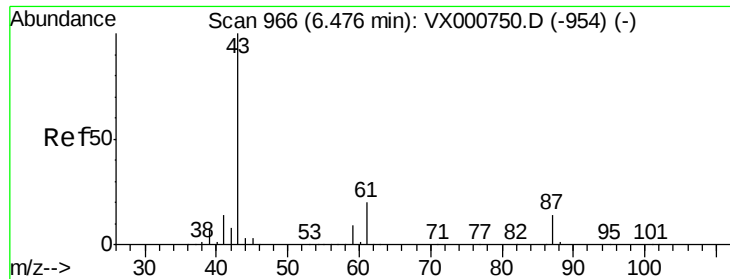
Tot Ion:117 Resp: 411083
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Tgt Ion:152 Resp: 243032
Ion Ratio Lower Upper
152 100
115 53.4 37.9 113.7
150 155.7 0.0 348.0





#74

N-amvl acetate

Concen: 0.35 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

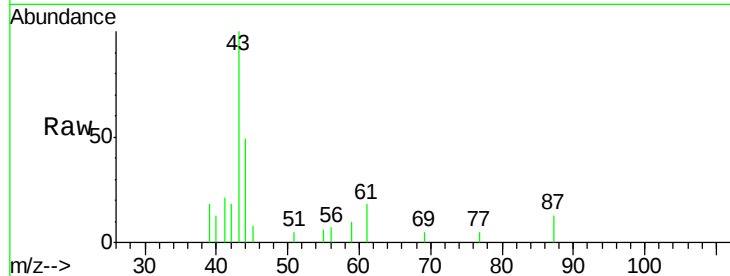
ClientSampleId :

NB-01-040618-B

Tot Ion: 43 Resp: 2399

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	3.6	0.0	0.0#
61	17.2	15.6	23.4

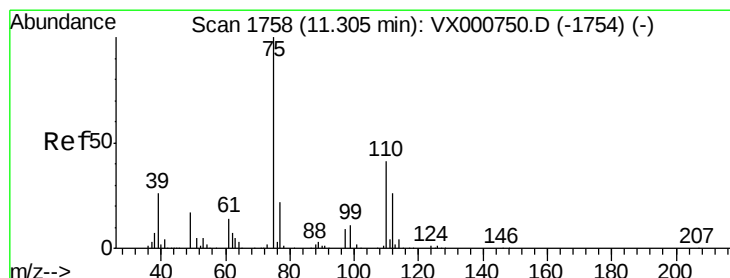
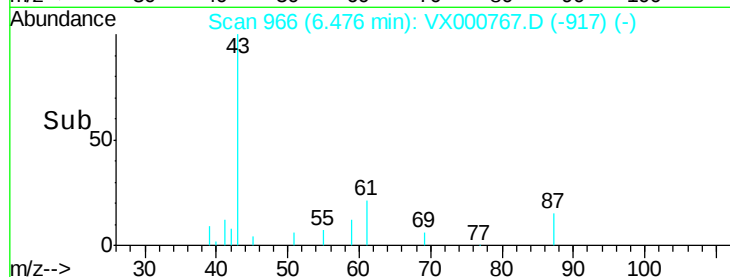
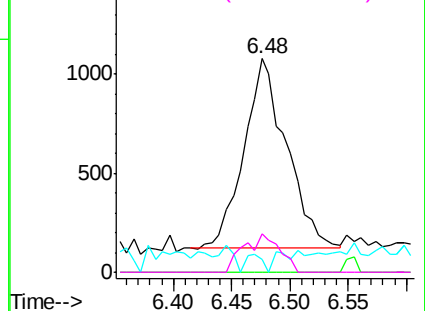


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.17 min

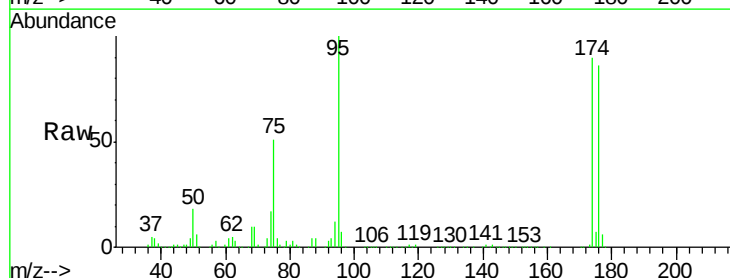
Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Tgt Ion: 75 Resp: 100514

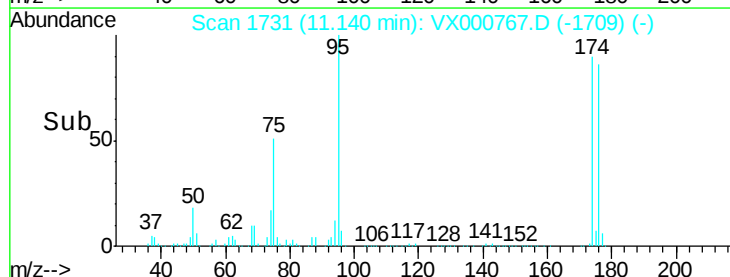
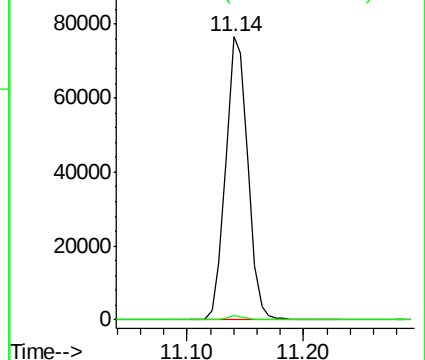
Ion Ratio Lower Upper

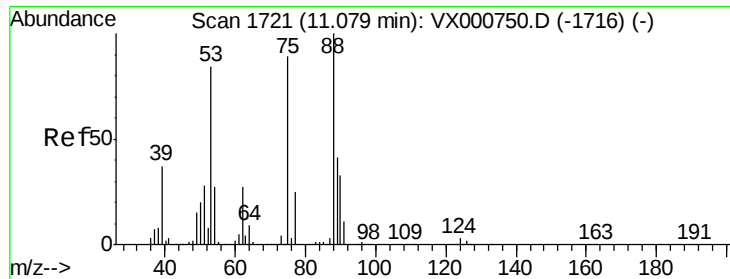
75	100		
77	1.3	20.5	61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000767.D

Acq: 10 Apr 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

NB-01-040618-B

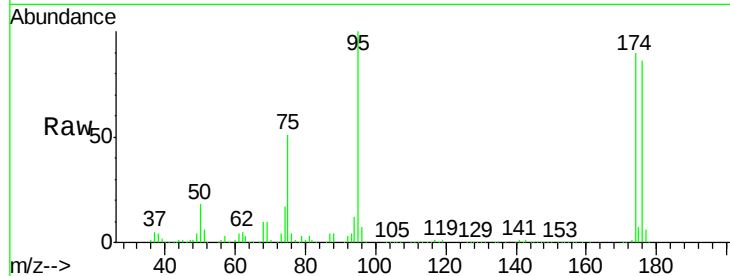
Tot Ion: 75 Resp: 100514

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

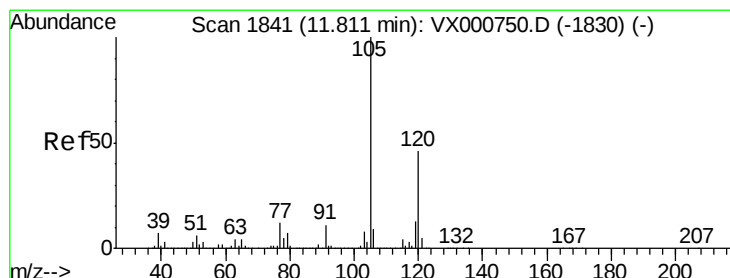
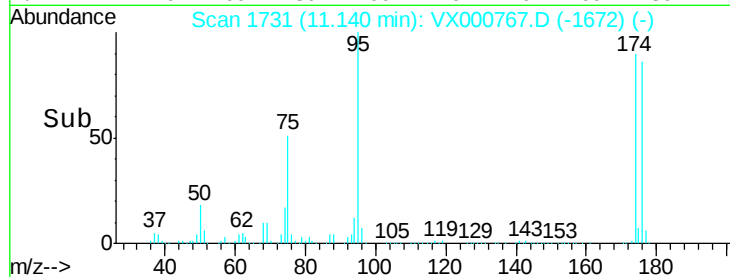
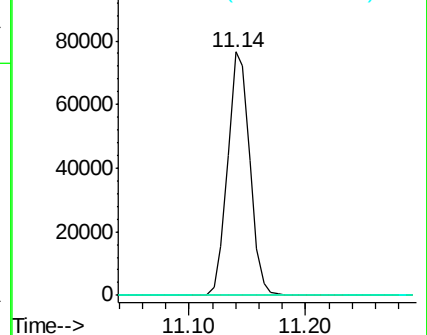
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.28 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VX000767.D

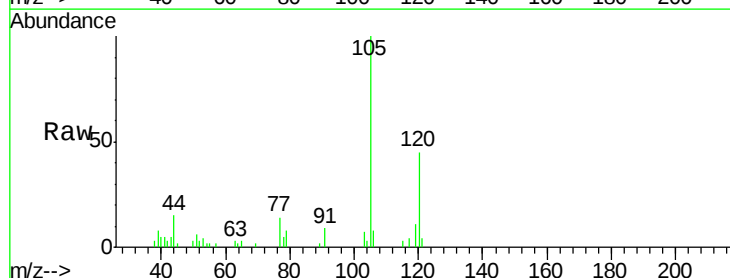
Acq: 10 Apr 2018 23:44

Tgt Ion: 105 Resp: 3849

Ion Ratio Lower Upper

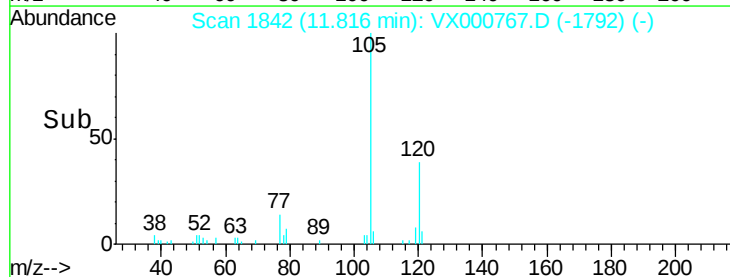
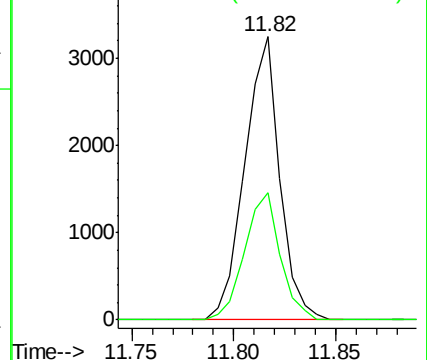
105 100

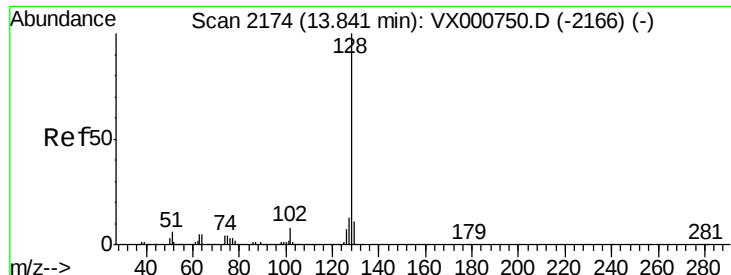
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

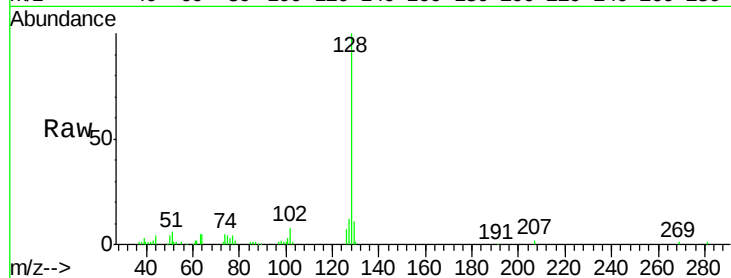




#95
Naphthalene
Concen: 0.96 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000767.D
Acq: 10 Apr 2018 23:44

Instrument :
MSVOA_X
ClientSampleId :
NB-01-040618-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.6	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

