

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000334.D
 Acq On : 15 Mar 2018 17:36
 Operator : JC/MD
 Sample : J1752-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NB-08-031418

Quant Time: Mar 16 02:41:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	169672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	278605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	259239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118591	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	110946	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	87591	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	8.73	98	349084	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.15	95	113363	38.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.10%	

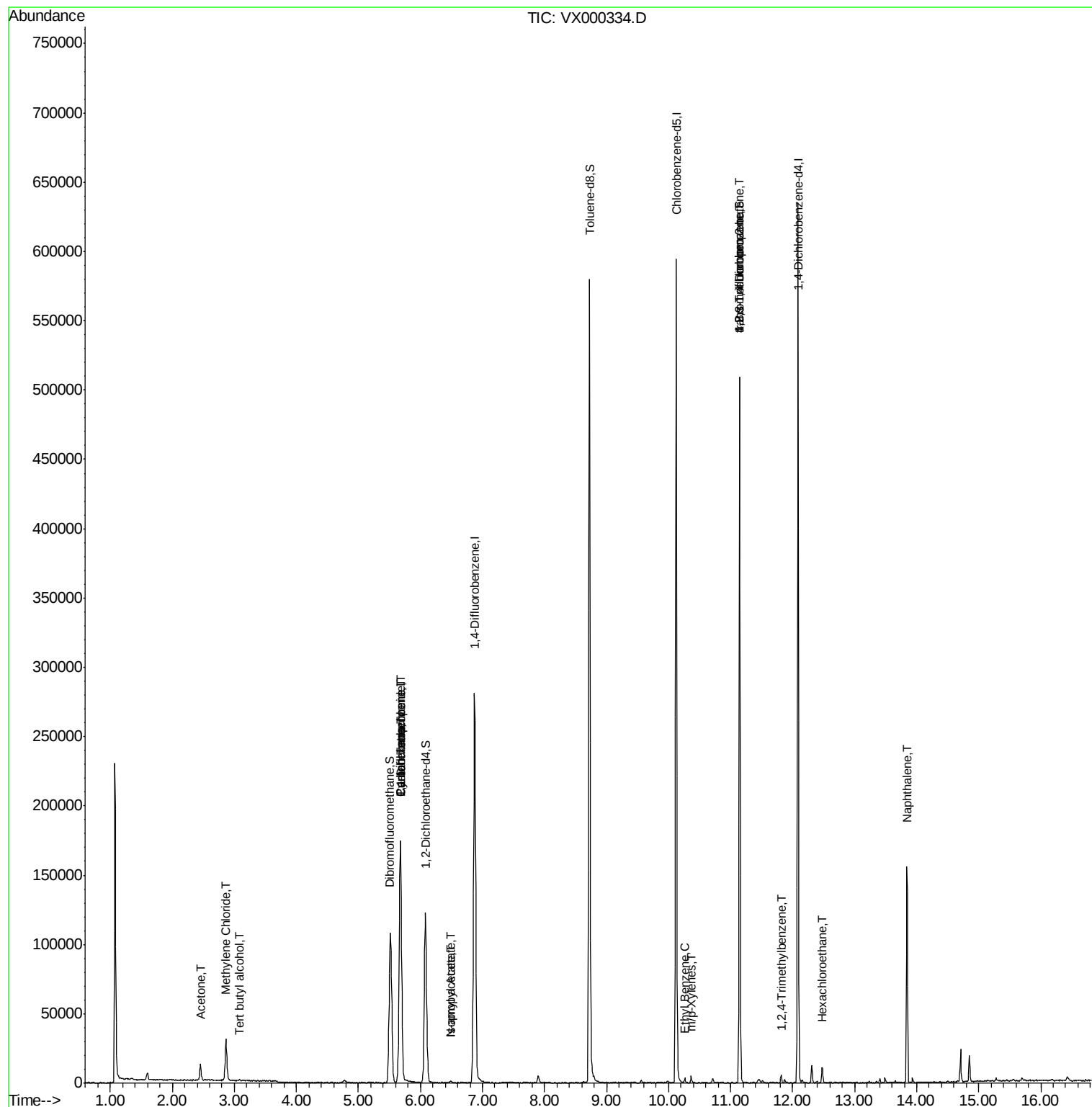
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	184	0.24	ug/l #	92
16) Acetone	2.45	43	12186	7.78	ug/l	97
20) Methylene Chloride	2.87	84	13434	6.62	ug/l	97
31) Cyclohexane	5.68	56	4041	1.52	ug/l #	44
36) 1,1-Dichloropropene	5.67	75	12718	5.02	ug/l #	53
38) Carbon Tetrachloride	5.68	117	16484	6.46	ug/l #	17
43) Isopropyl Acetate	6.48	43	1199	0.25	ug/l #	92
67) Ethyl Benzene	10.26	91	2126	0.24	ug/l #	86
68) m/p-Xylenes	10.37	106	1321	0.38	ug/l	87
74) N-amyl acetate	6.48	43	1199	0.35	ug/l #	99
76) 1,2,3-Trichloropropane	11.15	75	65807	29.88	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	65807	82.07	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	2557	0.41	ug/l	96
90) Hexachloroethane	12.48	117	512	0.48	ug/l #	12
95) Naphthalene	13.84	128	89938	10.10	ug/l	99

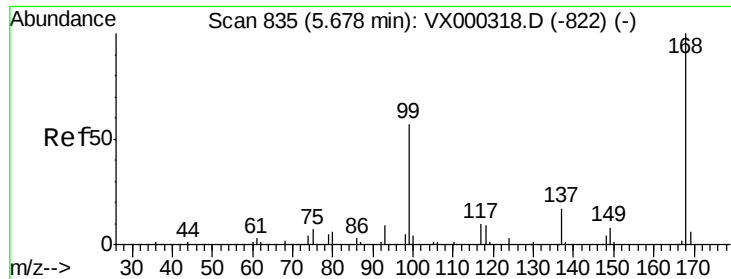
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

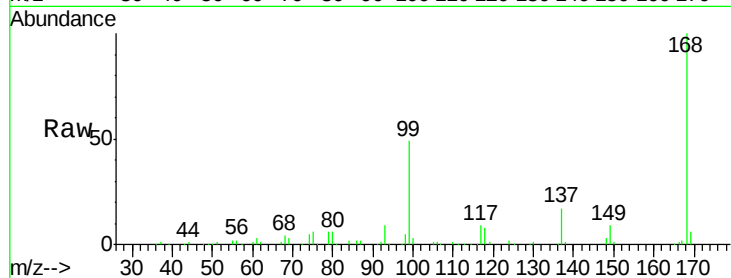
NB-08-031418

Tgt Ion: 168 Resp: 169672

Ion Ratio Lower Upper

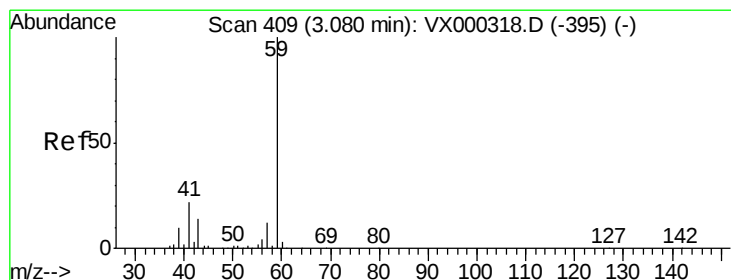
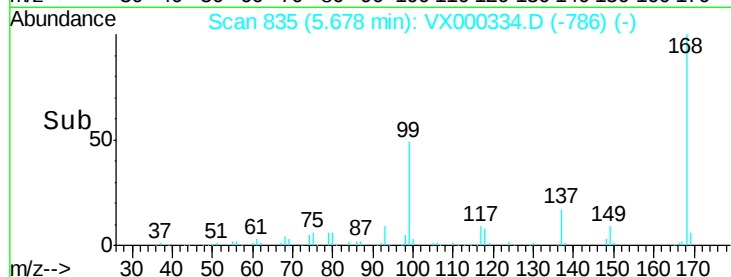
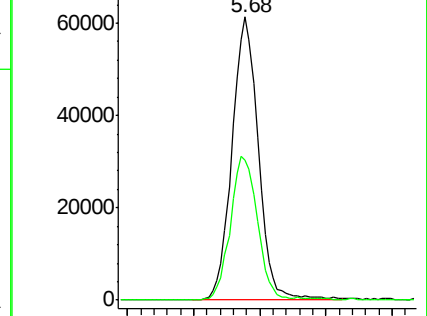
168 100

99 49.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX000334.D

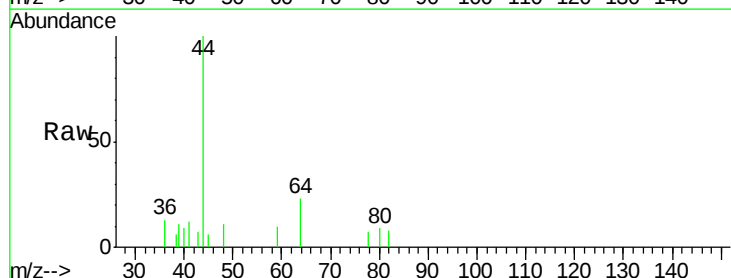
Acq: 15 Mar 2018 17:36

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

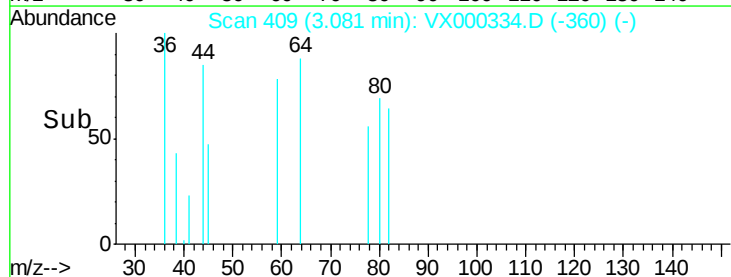
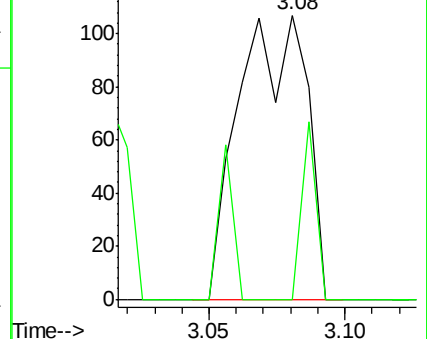
59 100

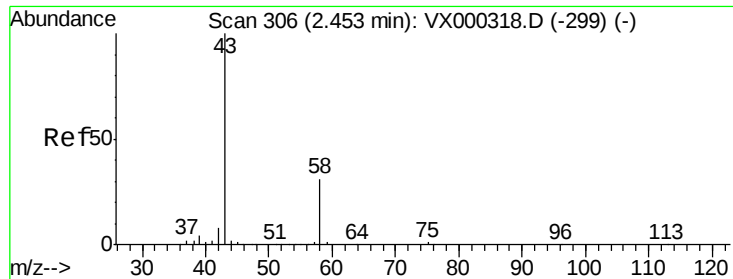
57 13.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 7.78 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

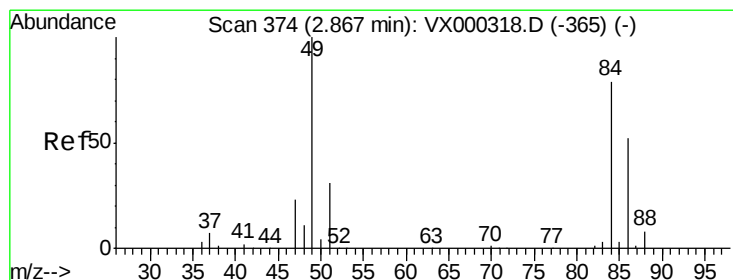
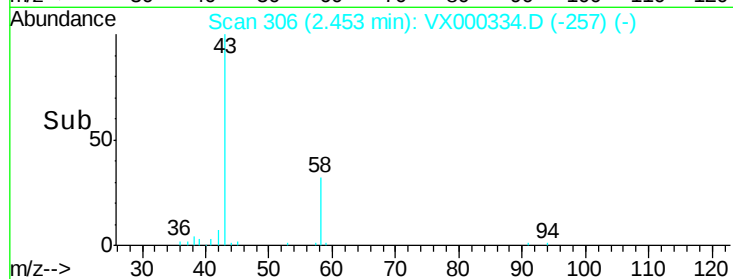
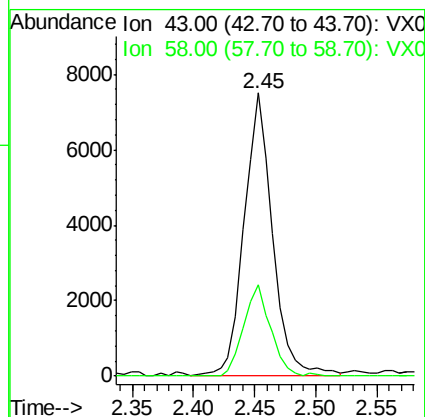
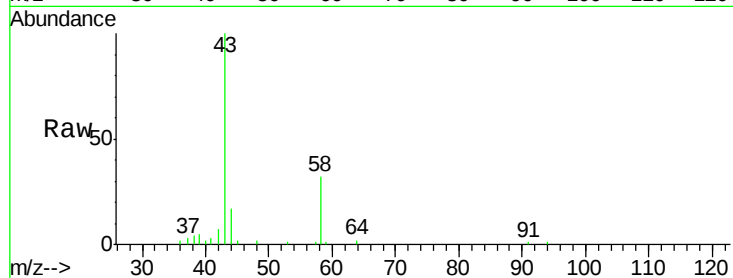
NB-08-031418

Tgt Ion: 43 Resp: 12186

Ion Ratio Lower Upper

43 100

58 32.3 24.7 37.1



#20

Methylene Chloride

Concen: 6.62 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Tgt Ion: 84 Resp: 13434

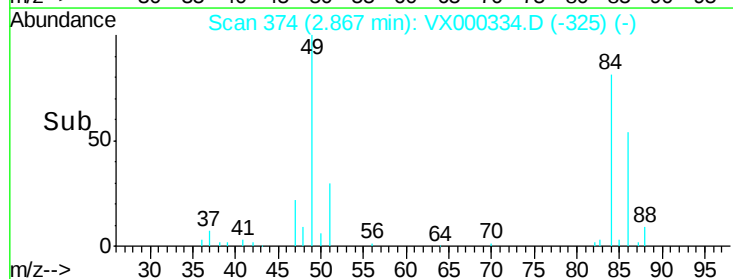
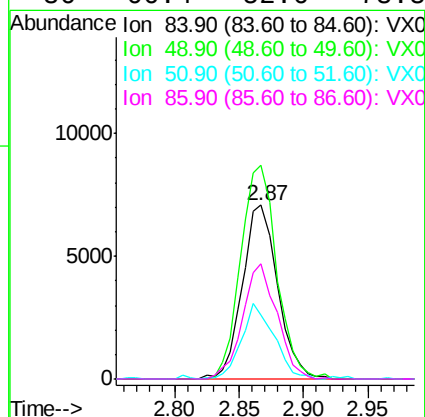
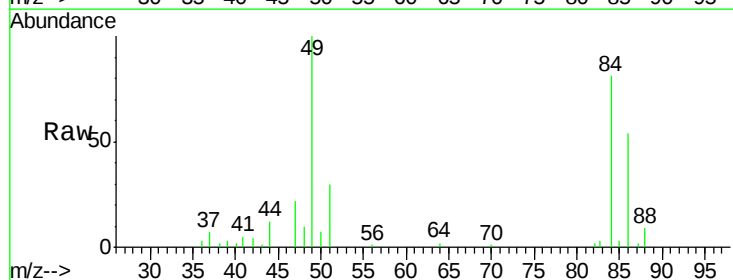
Ion Ratio Lower Upper

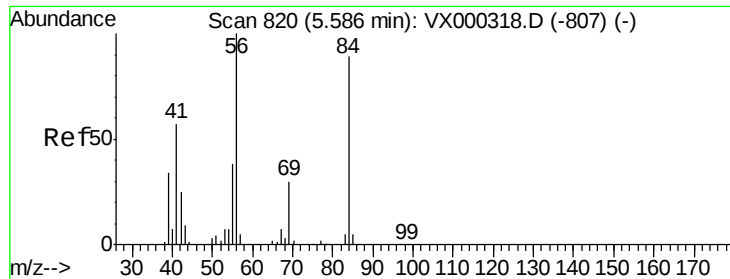
84 100

49 123.0 100.6 151.0

51 35.8 31.6 47.4

86 66.4 52.6 78.8

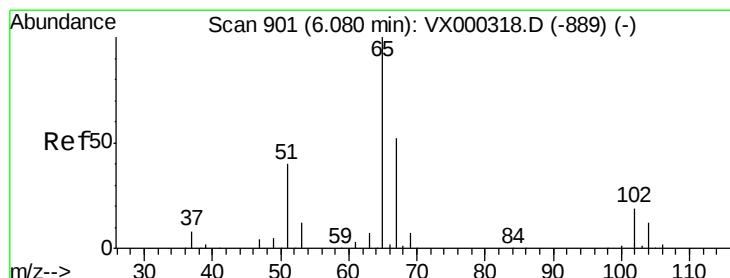
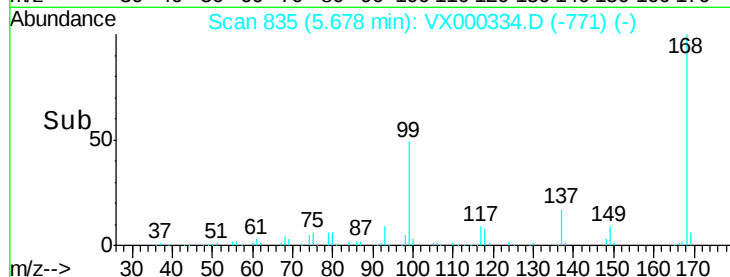
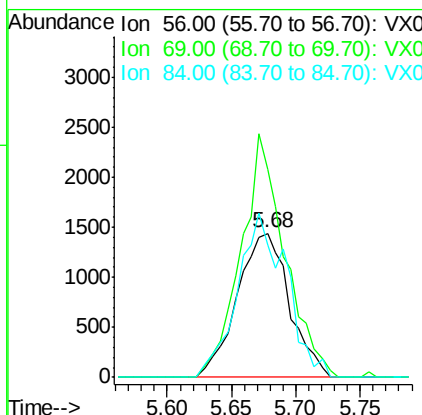
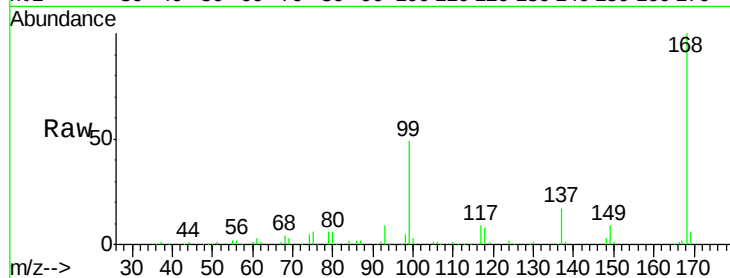




#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000334.D
Acq: 15 Mar 2018 17:36

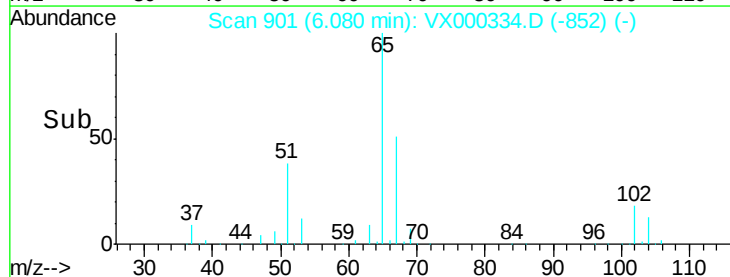
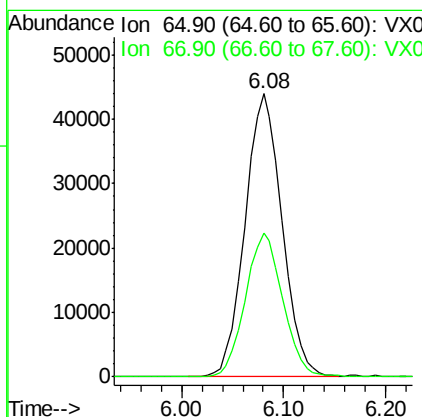
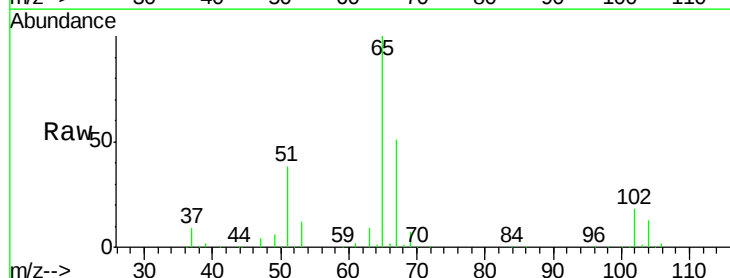
Instrument :
MSVOA_X
ClientSampleId :
NB-08-031418

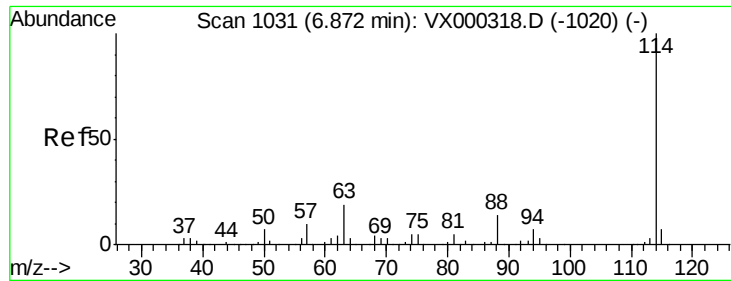
Tgt Ion: 56 Resp: 4041
Ion Ratio Lower Upper
56 100
69 144.5 23.4 35.0#
84 91.7 71.0 106.4



#33
1,2-Dichloroethane-d4
Concen: 47.27 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000334.D
Acq: 15 Mar 2018 17:36

Tgt Ion: 65 Resp: 110946
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.2

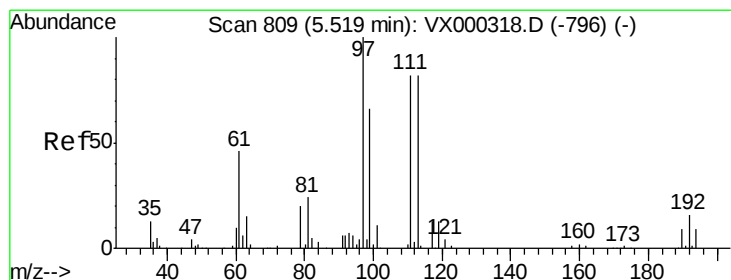
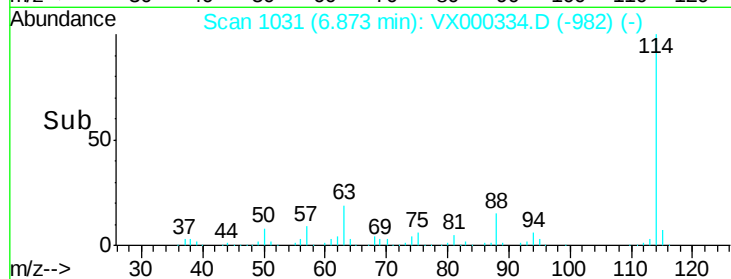
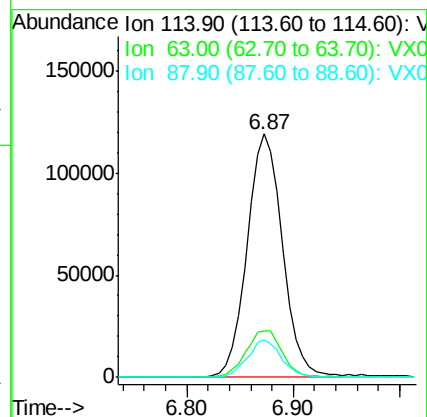
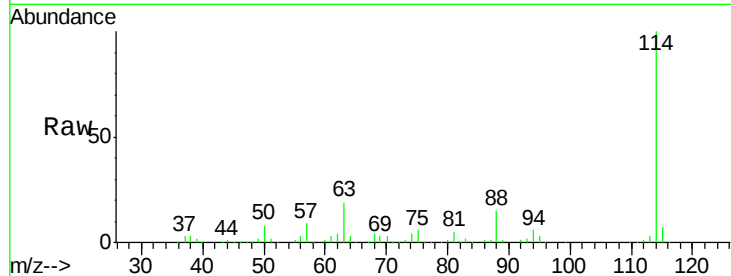




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

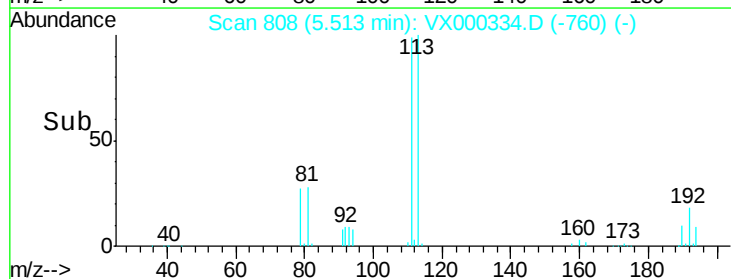
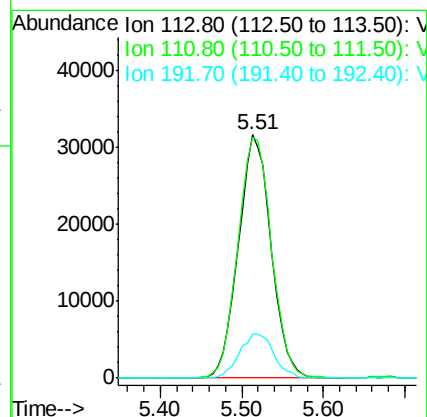
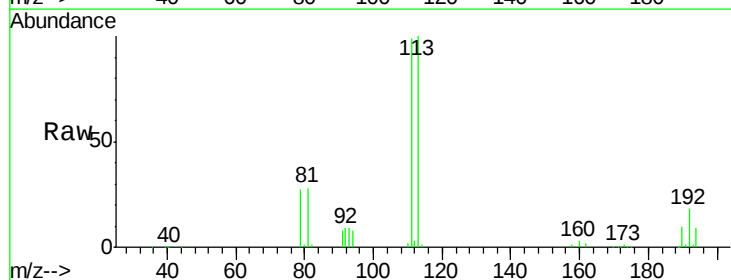
Instrument :
 MSVOA_X
 ClientSampleId :
 NB-08-031418

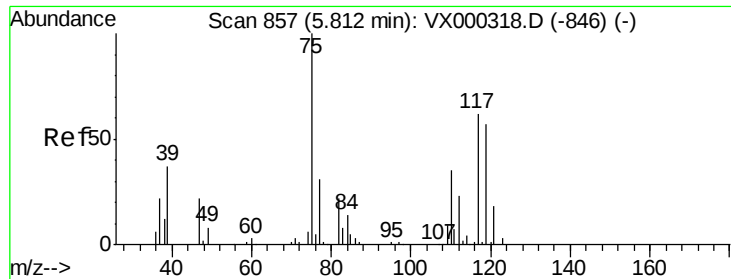
Tgt Ion:114 Resp: 278605
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 15.4 0.0 27.0



#35
 Dibromofluoromethane
 Concen: 49.83 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

Tgt Ion:113 Resp: 87591
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 19.3 15.8 23.6

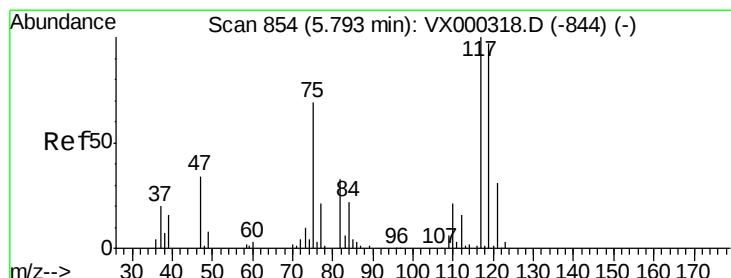
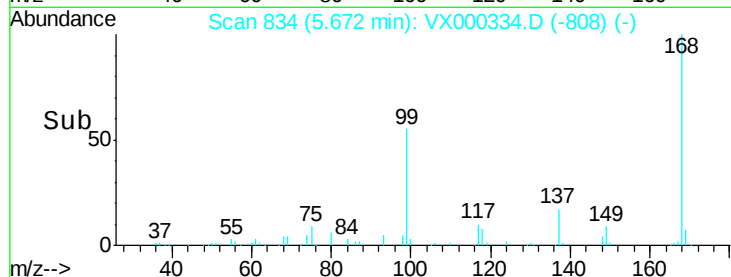
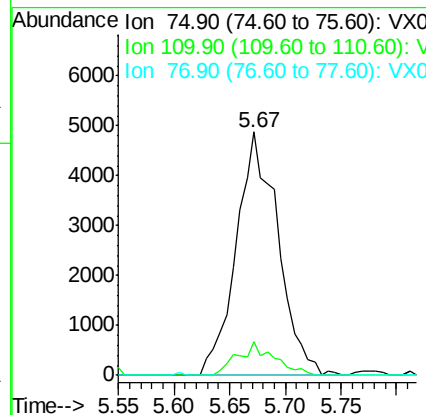
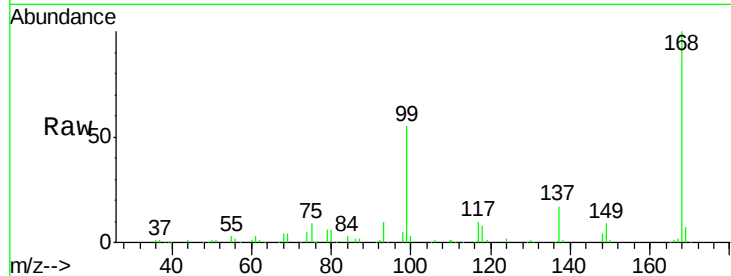




#36
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

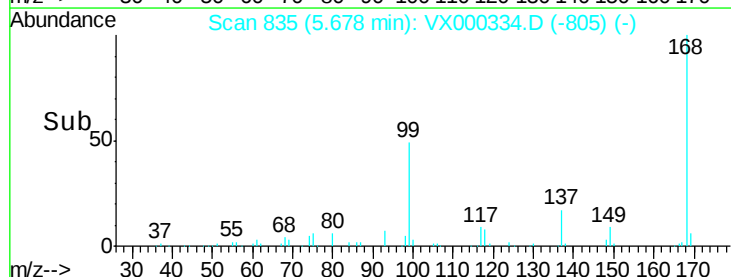
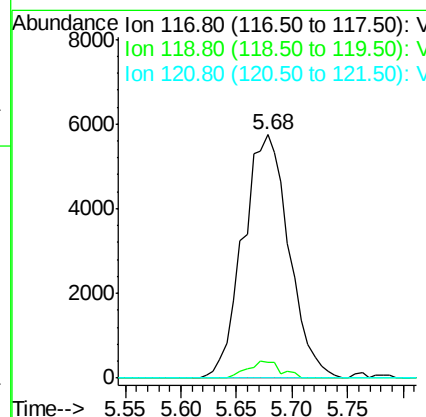
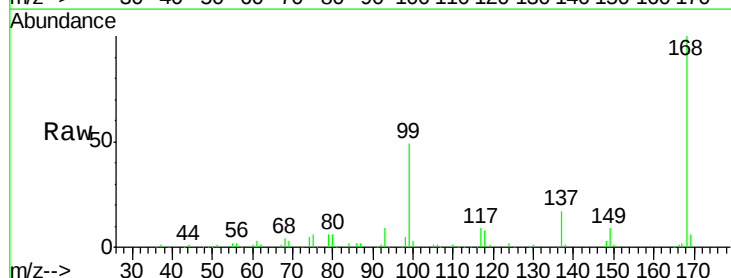
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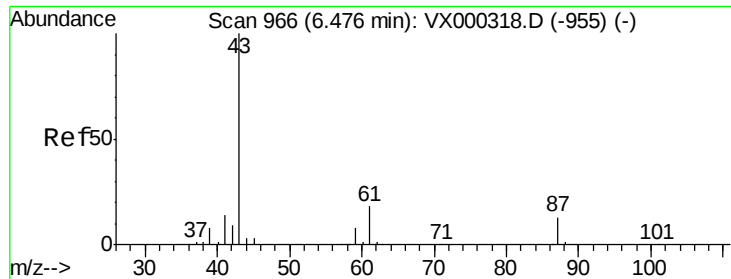
Tgt Ion: 75 Resp: 12718
 Ion Ratio Lower Upper
 75 100
 110 12.0 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 6.46 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

Tgt Ion: 117 Resp: 16484
 Ion Ratio Lower Upper
 117 100
 119 6.5 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.25 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

NB-08-031418

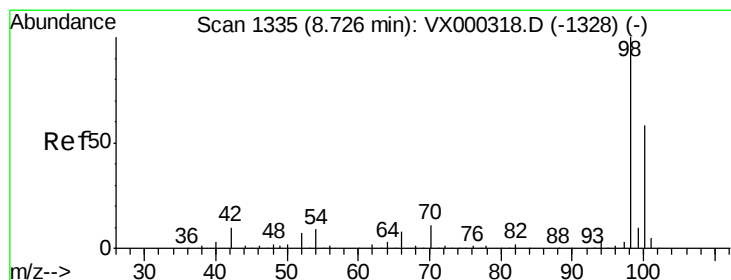
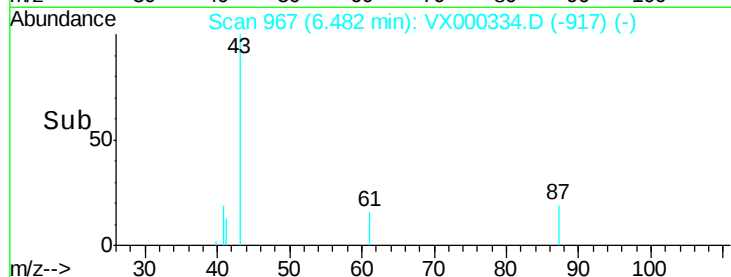
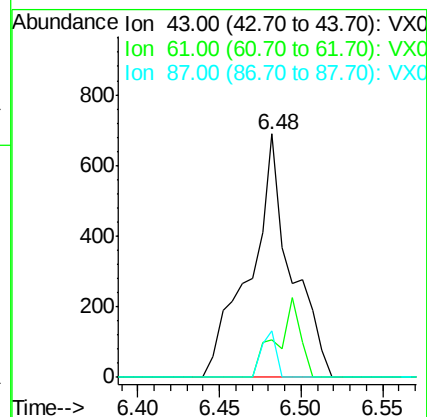
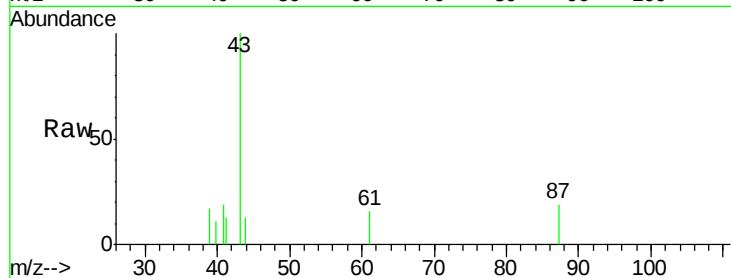
Tgt Ion: 43 Resp: 1199

Ion Ratio Lower Upper

43 100

61 18.6 14.4 21.6

87 6.9 11.0 16.4#



#50

Toluene-d8

Concen: 47.60 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000334.D

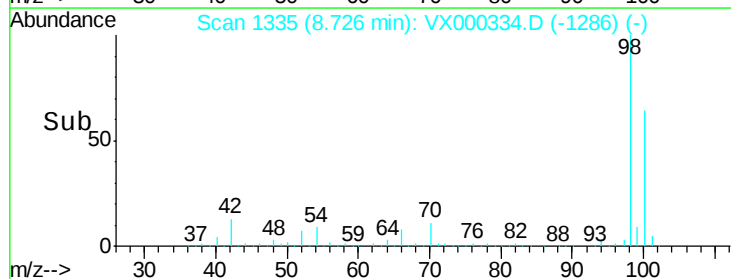
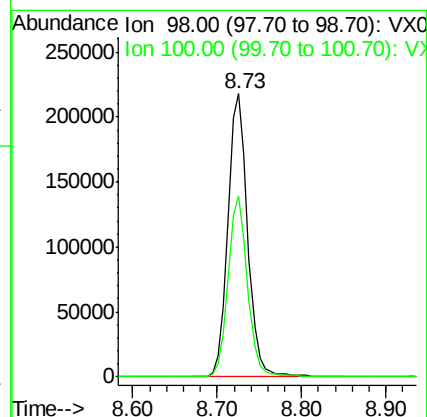
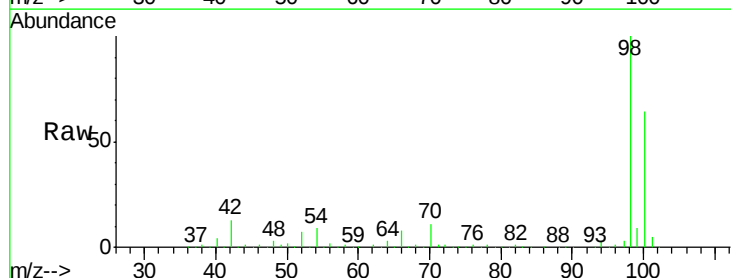
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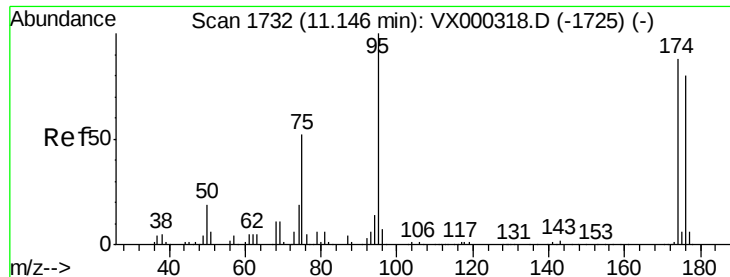
Tgt Ion: 98 Resp: 349084

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8

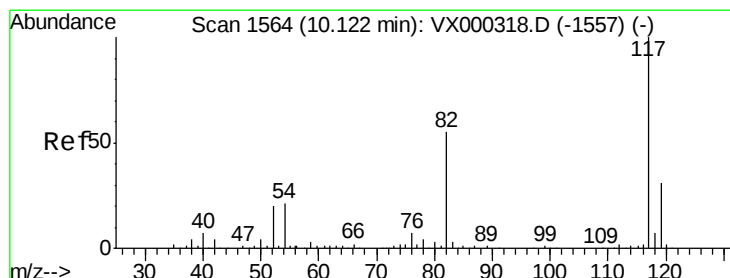
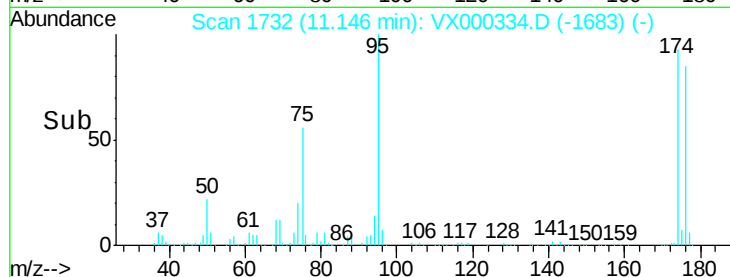
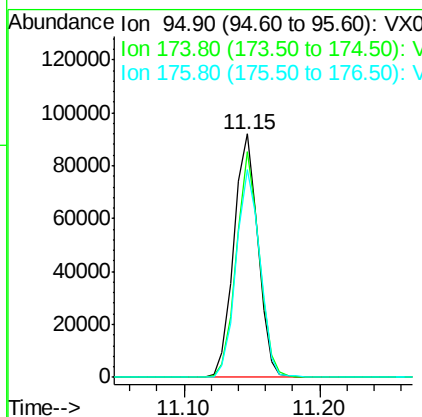
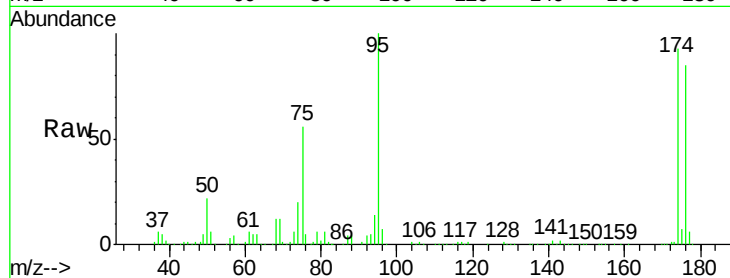




#62
 4-Bromofluorobenzene
 Concen: 38.55 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

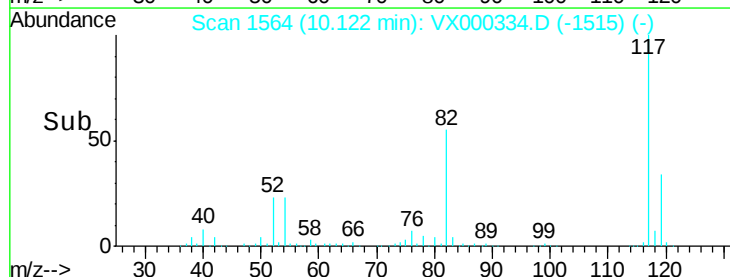
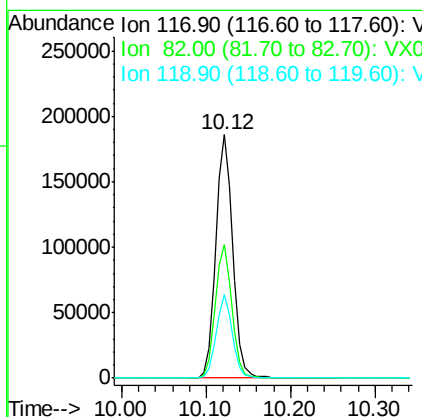
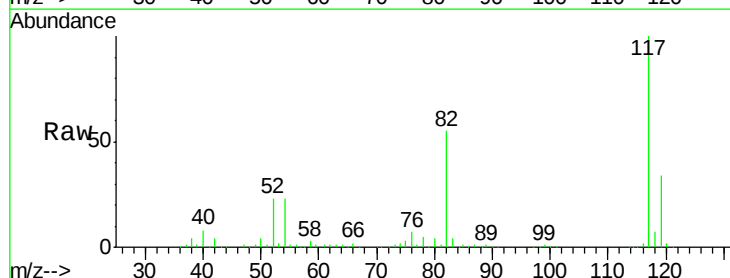
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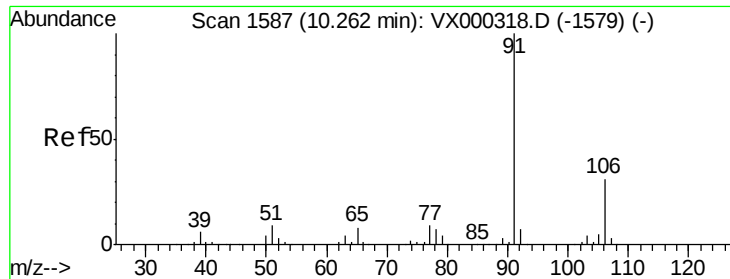
Tgt Ion: 95 Resp: 113363
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 173.6
 176 84.3 0.0 164.6



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

Tgt Ion: 117 Resp: 259239
 Ion Ratio Lower Upper
 117 100
 82 54.9 43.8 65.8
 119 34.2 24.9 37.3

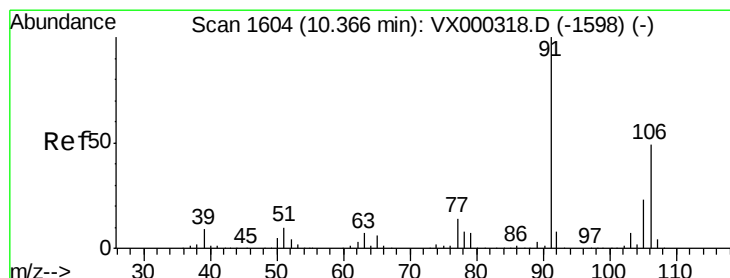
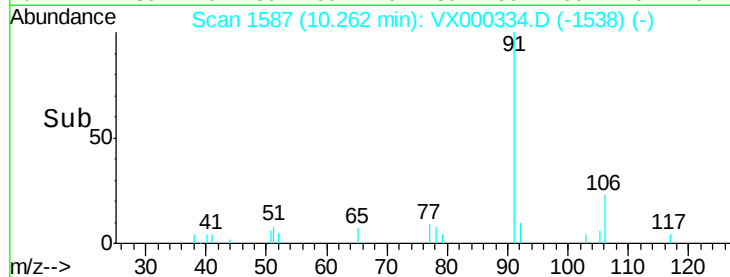
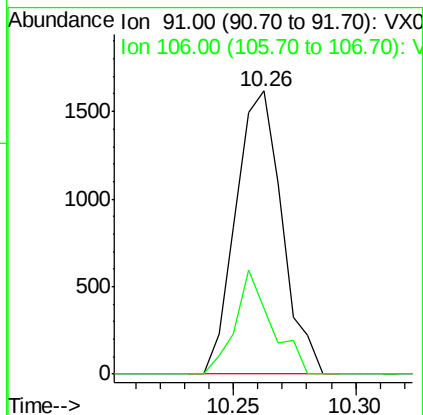
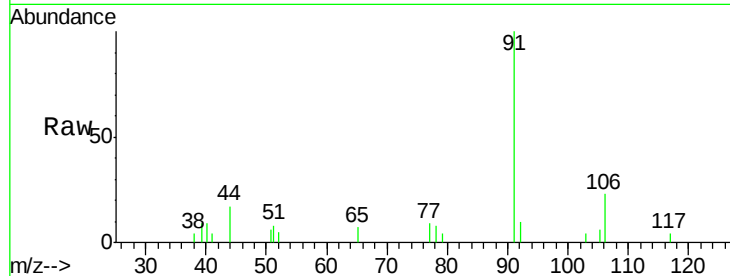




#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000334.D
Acq: 15 Mar 2018 17:36

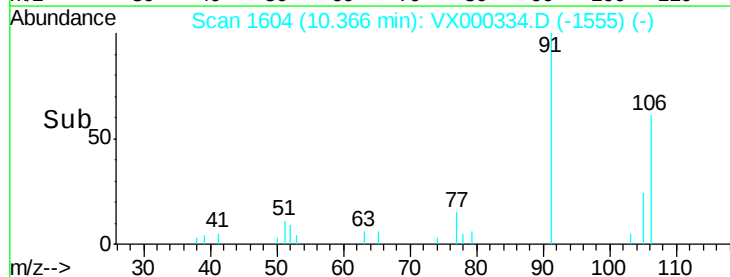
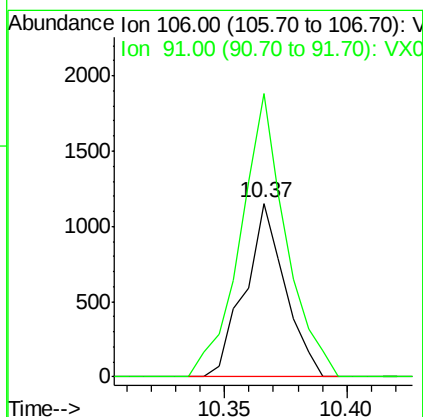
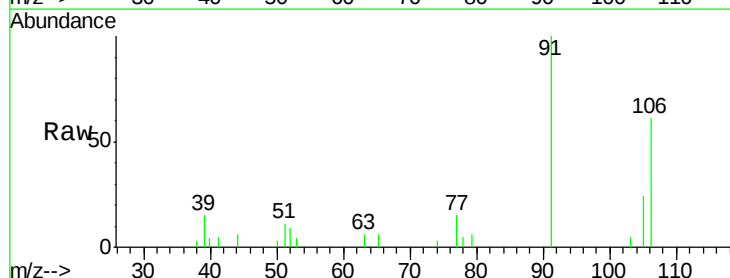
Instrument :
MSVOA_X
ClientSampleId :
NB-08-031418

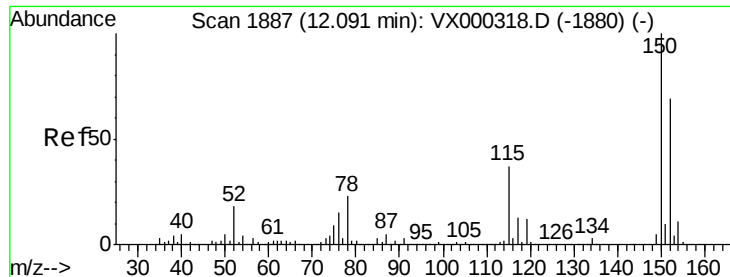
Tgt Ion: 91 Resp: 2126
Ion Ratio Lower Upper
91 100
106 23.3 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.38 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000334.D
Acq: 15 Mar 2018 17:36

Tgt Ion: 106 Resp: 1321
Ion Ratio Lower Upper
106 100
91 183.6 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

NB-08-031418

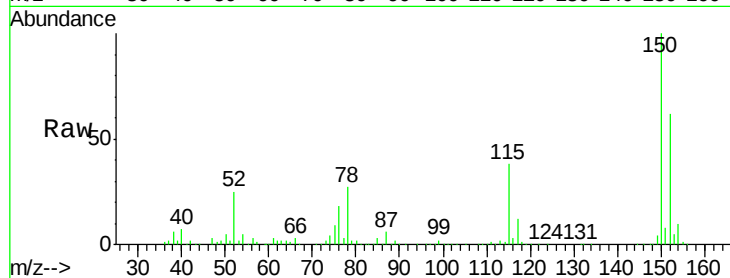
Tgt Ion:152 Resp: 118591

Ion Ratio Lower Upper

152 100

115 56.3 39.8 119.3

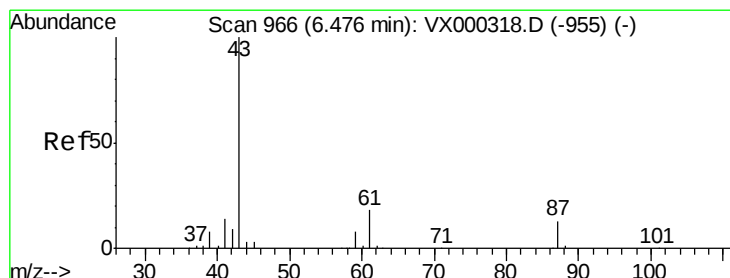
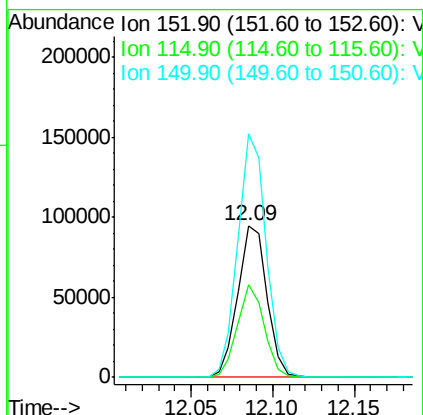
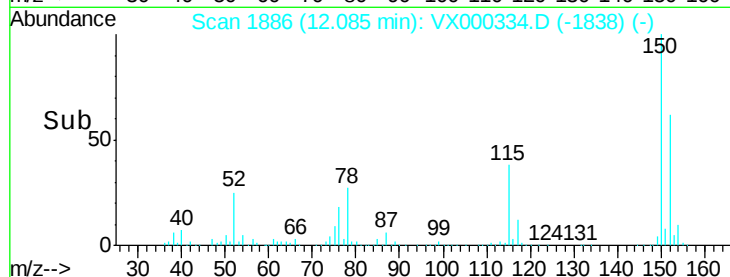
150 155.0 0.0 344.4



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



#74

N-ethyl acetate

Concen: 0.35 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Tgt Ion: 43 Resp: 1199

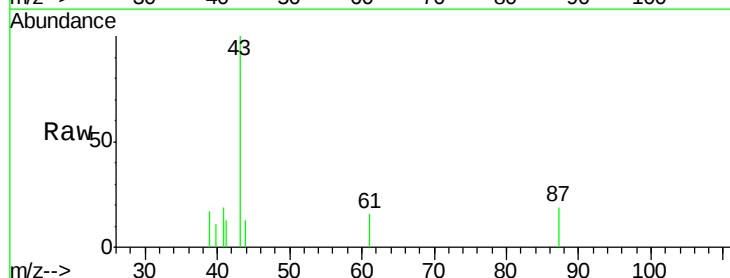
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.6 14.4 21.6

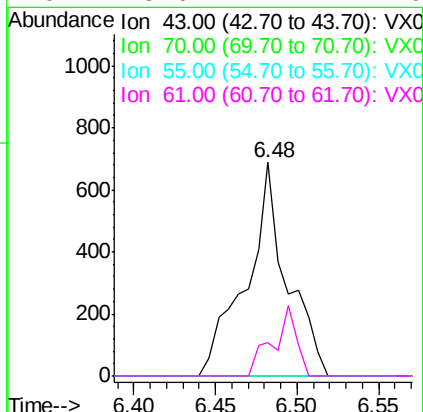
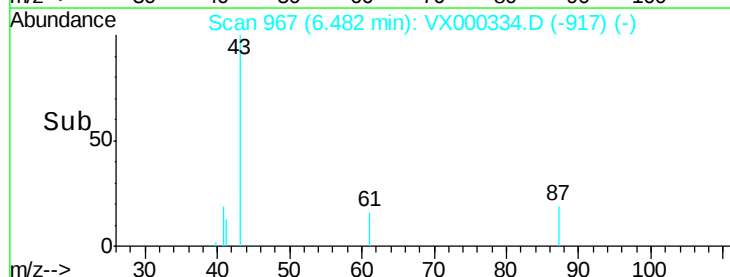


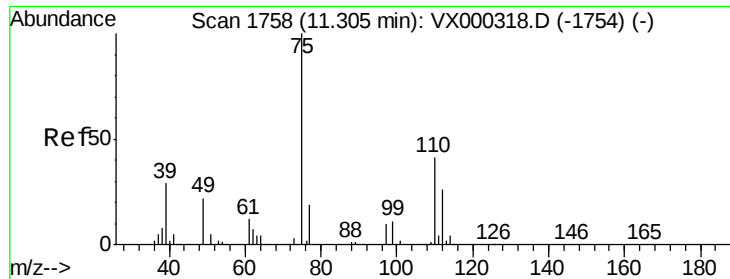
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

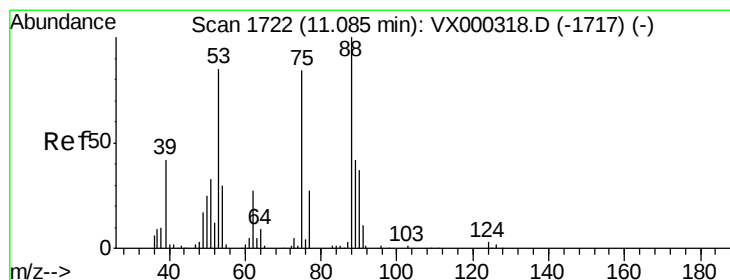
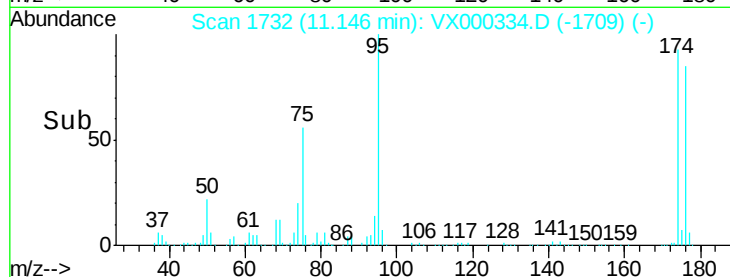
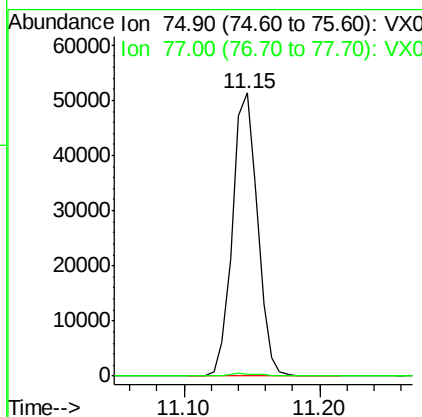
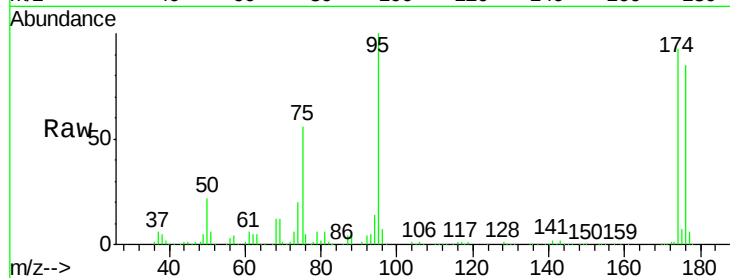




#76
 1,2,3-Trichloropropane
 Concen: 29.88 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

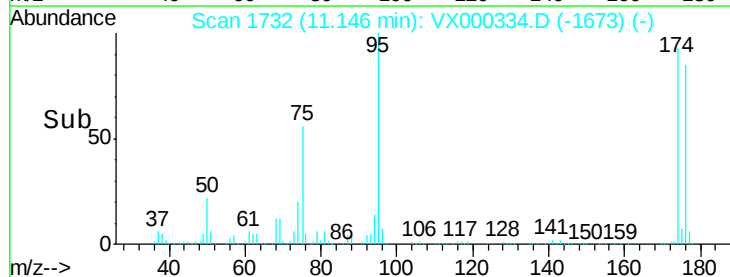
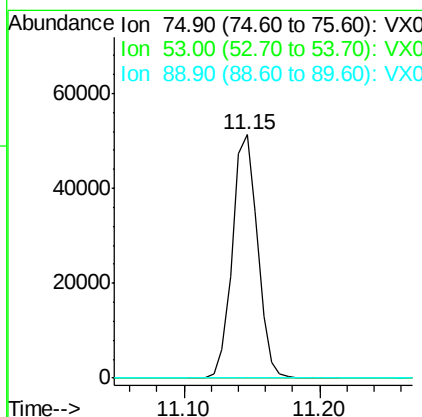
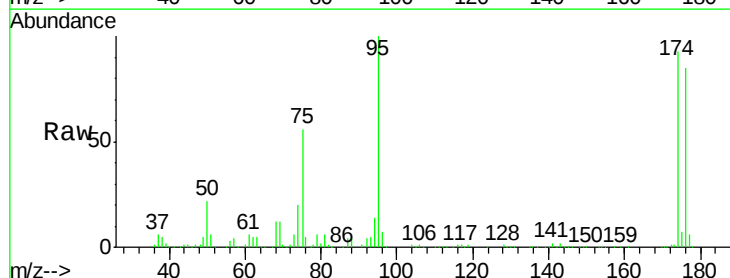
Instrument :
 MSVOA_X
 ClientSampled :
 NB-08-031418

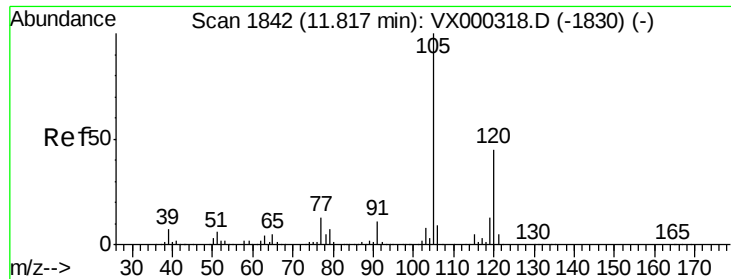
Tgt Ion: 75 Resp: 65807
 Ion Ratio Lower Upper
 75 100
 77 1.0 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.07 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

Tgt Ion: 75 Resp: 65807
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

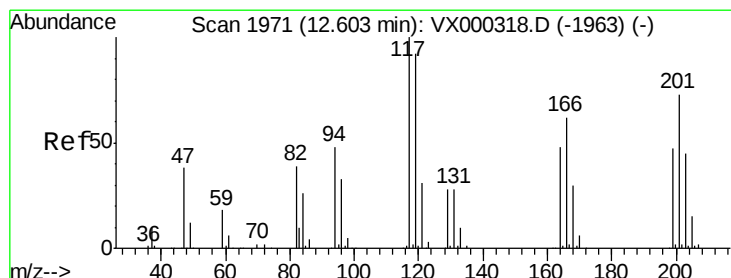
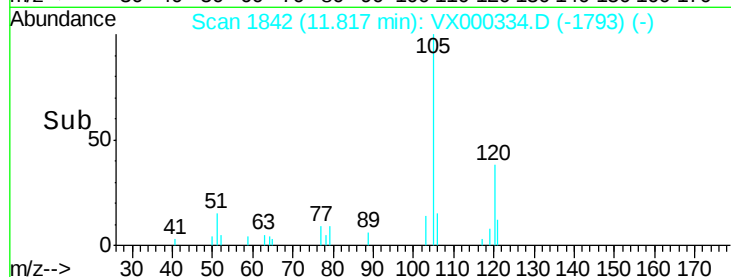
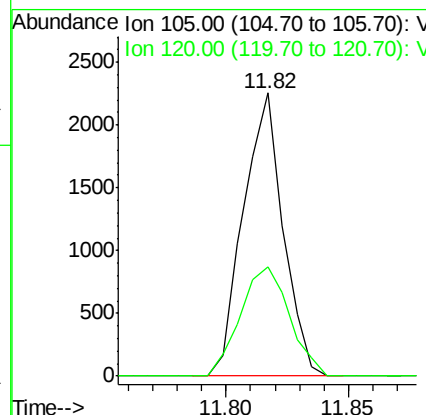
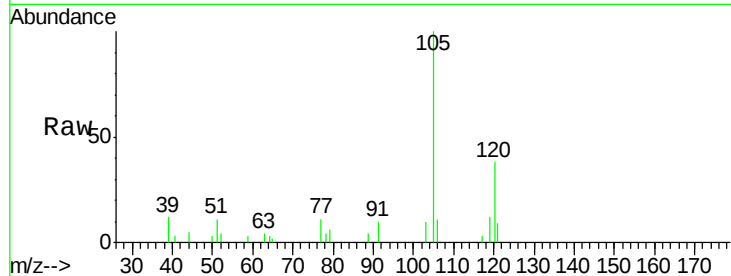




#84
 1,2,4-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

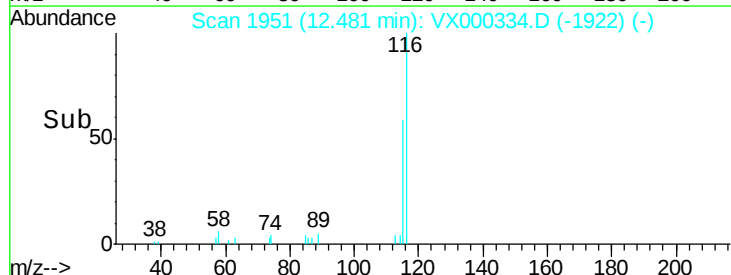
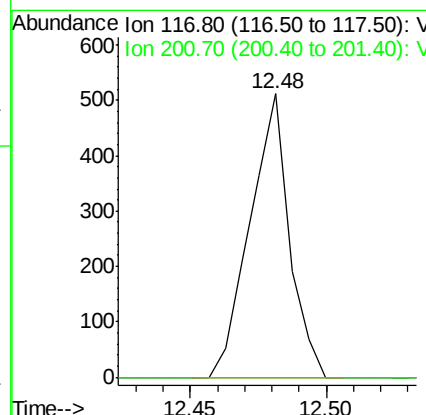
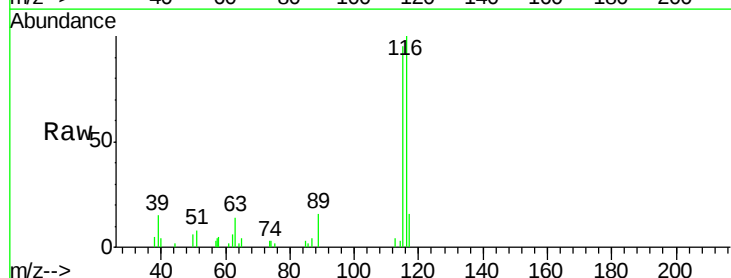
Instrument :
 MSVOA_X
 ClientSampleId :
 NB-08-031418

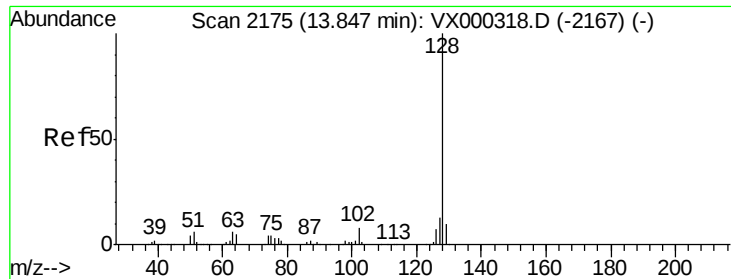
Tgt Ion:105 Resp: 2557
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.4 67.3



#90
 Hexachloroethane
 Concen: 0.48 ug/l
 RT: 12.48 min Scan# 1951
 Delta R.T. -0.12 min
 Lab File: VX000334.D
 Acq: 15 Mar 2018 17:36

Tgt Ion:117 Resp: 512
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.9 113.6#





#95

Naphthalene

Concen: 10.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VX000334.D

Acq: 15 Mar 2018 17:36

Instrument :

MSVOA_X

ClientSampleId :

NB-08-031418

Tgt Ion:128 Resp: 89938

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.6 8.9 13.3

