

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000766.D
 Acq On : 10 Apr 2018 23:19
 Operator : JC/MD
 Sample : J2155-02 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Apr 11 08:55:58 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	321579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	450356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	250339	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	163568	40.34	ug/l	0.00
Spiked Amount			Recovery	=	80.68%	
35) Dibromofluoromethane	5.51	113	139149	40.10	ug/l	0.00
Spiked Amount			Recovery	=	80.20%	
50) Toluene-d8	8.73	98	517800	40.08	ug/l	0.00
Spiked Amount			Recovery	=	80.16%	
62) 4-Bromofluorobenzene	11.15	95	210286	39.34	ug/l	0.00
Spiked Amount			Recovery	=	78.68%	

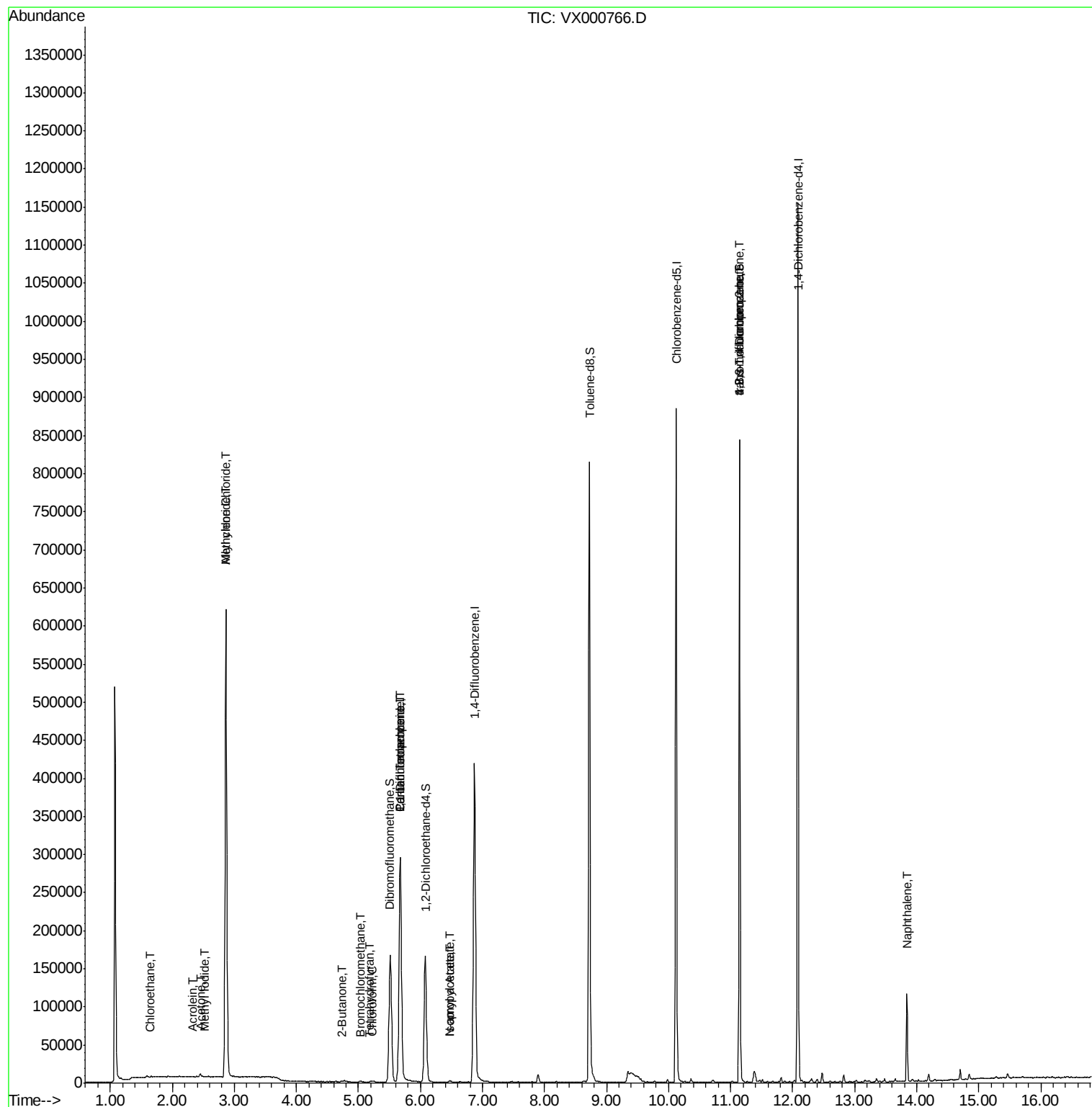
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	283	Below Cal		91
6) Chloroethane	1.64	64	566	0.27 ug/l		96
10) Methyl Iodide	2.53	142	226	8.31 ug/l #		53
13) Acrolein	2.32	56	96	0.27 ug/l		94
14) Allyl chloride	2.87	41	11179	2.05 ug/l #		27
16) Acetone	2.45	43	4464	3.19 ug/l		90
20) Methylene Chloride	2.87	84	294981	90.70 ug/l		98
25) 2-Butanone	4.73	43	1174	0.51 ug/l		98
28) Bromochloromethane	5.04	49	541	0.24 ug/l #		92
29) Tetrahydrofuran	5.18	42	371	0.25 ug/l #		43
30) Chloroform	5.22	83	1667	0.28 ug/l #		82
36) 1,1-Dichloropropene	5.67	75	19450	3.92 ug/l #		49
38) Carbon Tetrachloride	5.67	117	27358	4.93 ug/l #		15
43) Isopropyl Acetate	6.48	43	2186	0.26 ug/l		99
74) N-amyl acetate	6.48	43	2186	0.31 ug/l #		100
76) 1,2,3-Trichloropropane	11.15	75	104075	24.11 ug/l #		36
81) trans-1,4-Dichloro-2-buten	11.15	75	104075	66.31 ug/l #		11
95) Naphthalene	13.84	128	71011	3.90 ug/l		100

(#) = 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: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

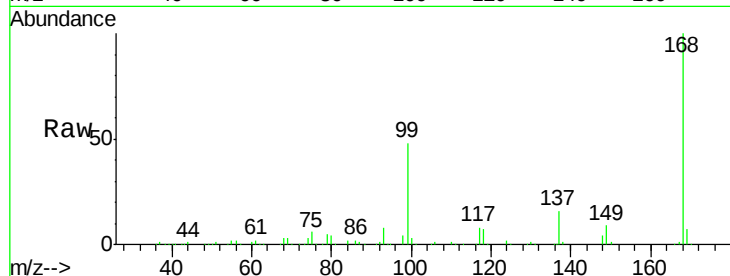
NB-01-040618-A

Tot Ion:168 Resp: 321579

Ion Ratio Lower Upper

168 100

99 47.6 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

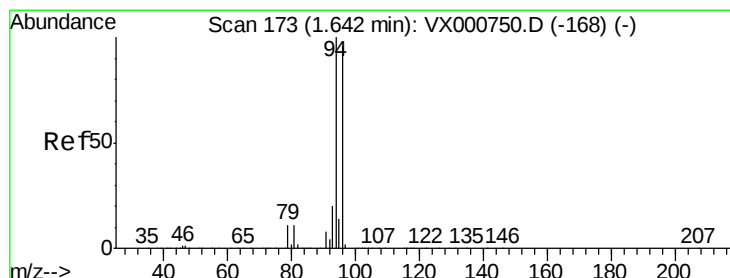
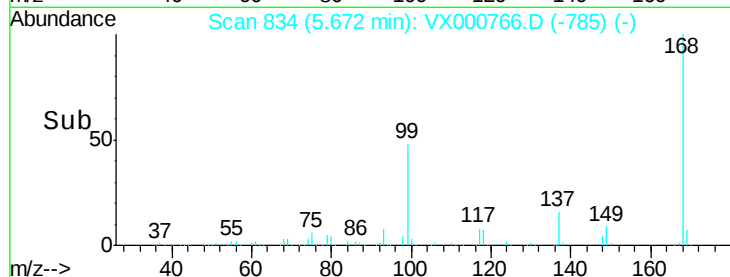
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000766.D

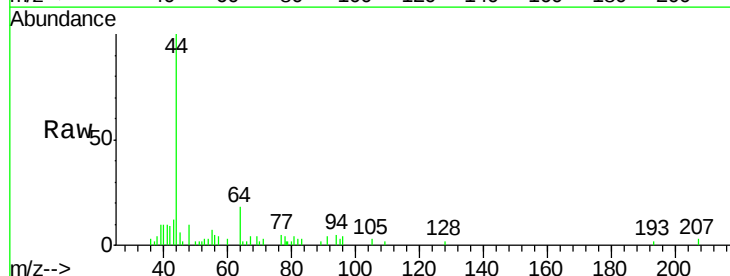
Acq: 10 Apr 2018 23:19

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 87.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

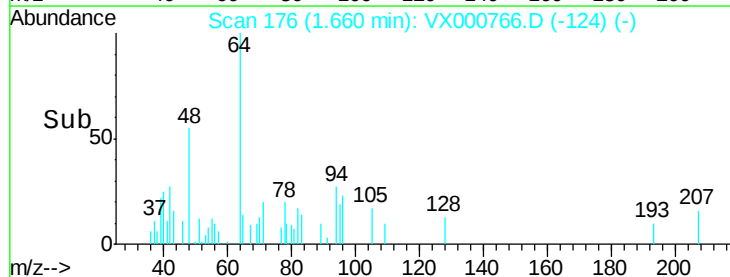
150

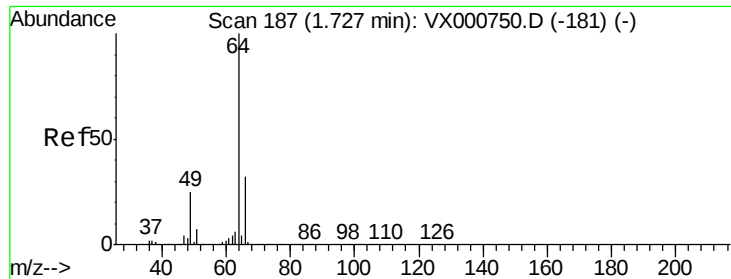
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.09 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

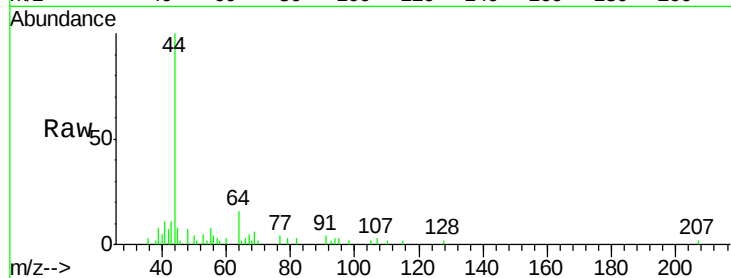
NB-01-040618-A

Tot Ion: 64 Resp: 566

Ion Ratio Lower Upper

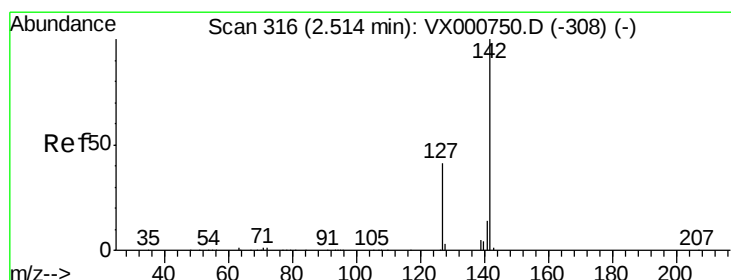
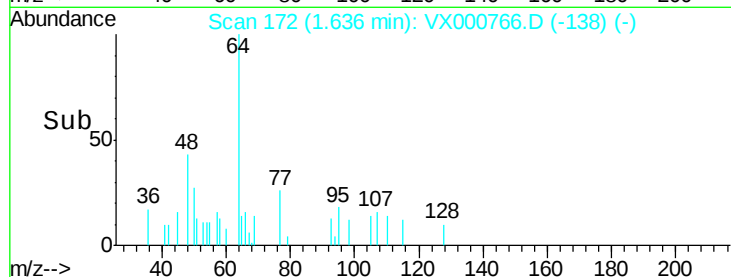
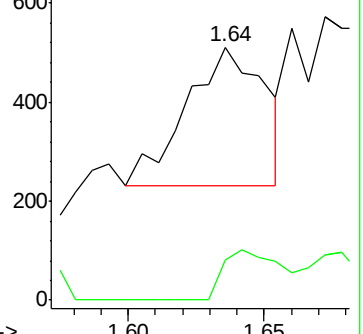
64 100

66 29.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.31 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

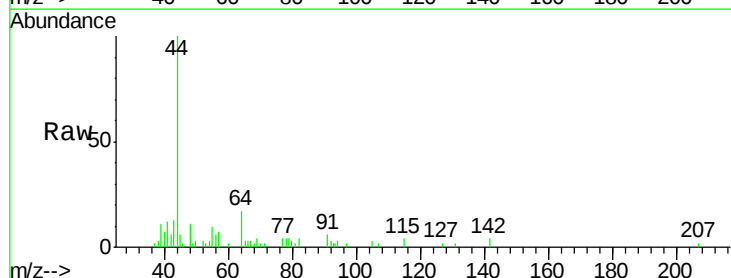
Tgt Ion: 142 Resp: 226

Ion Ratio Lower Upper

142 100

127 8.8 32.6 49.0#

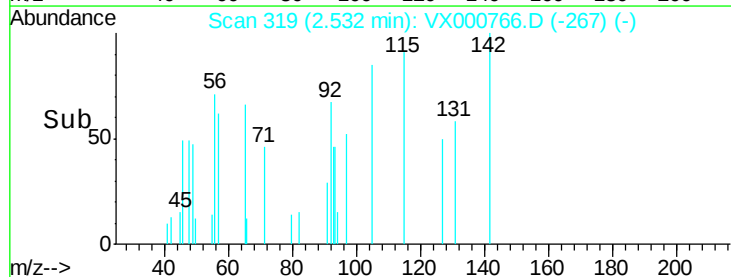
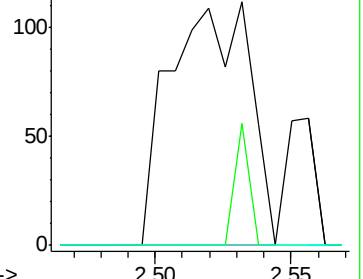
141 0.0 11.5 17.3#

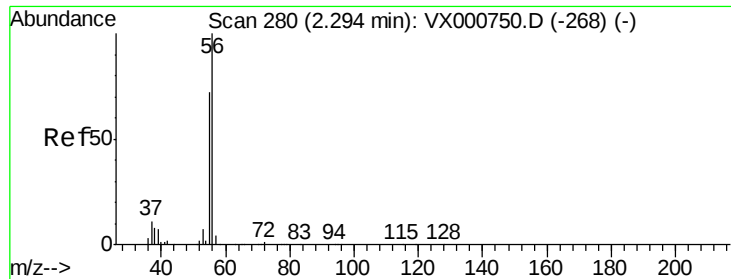


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.27 ug/l

RT: 2.32 min Scan# 285

Delta R.T. 0.03 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

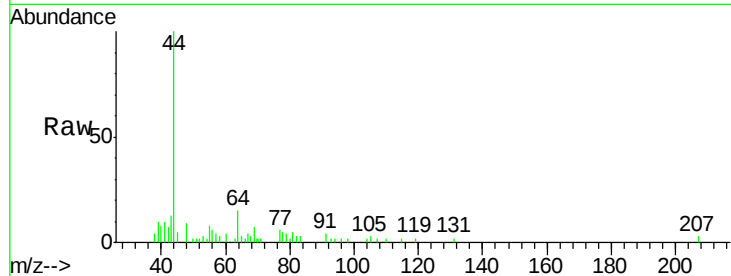
NB-01-040618-A

Tot Ion: 56 Resp: 96

Ion Ratio Lower Upper

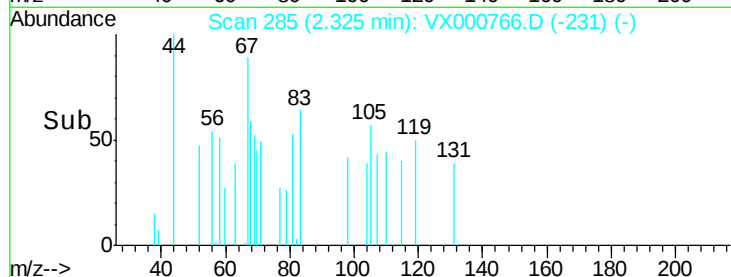
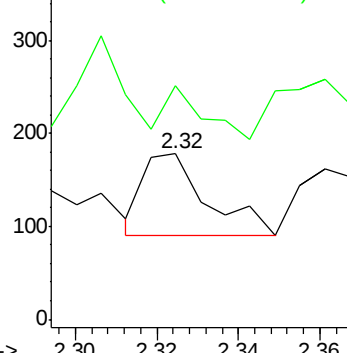
56 100

55 78.1 58.7 88.1

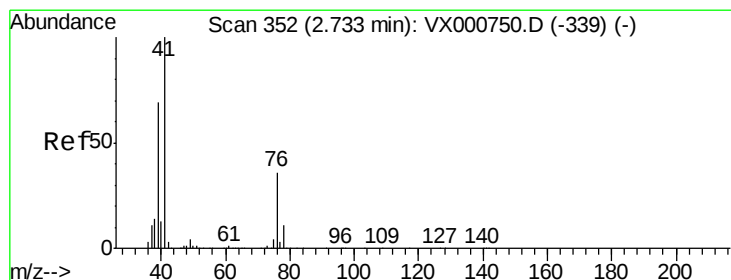


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 2.05 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.13 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

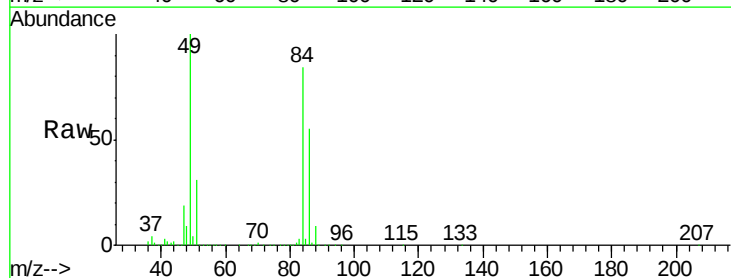
Tgt Ion: 41 Resp: 11179

Ion Ratio Lower Upper

41 100

39 1.8 51.5 77.3#

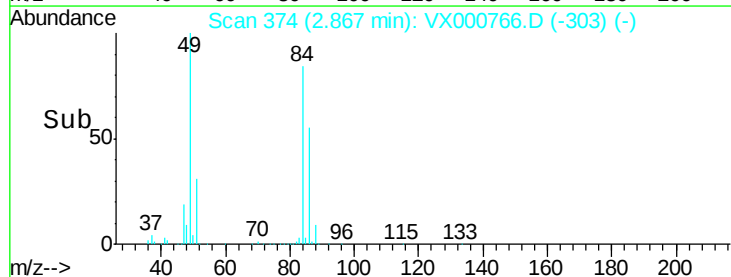
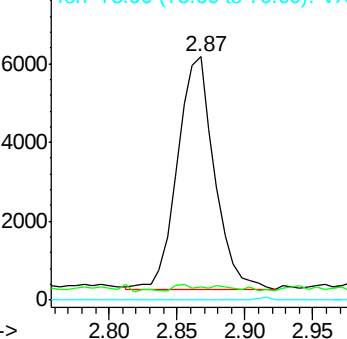
76 0.0 26.5 39.7#



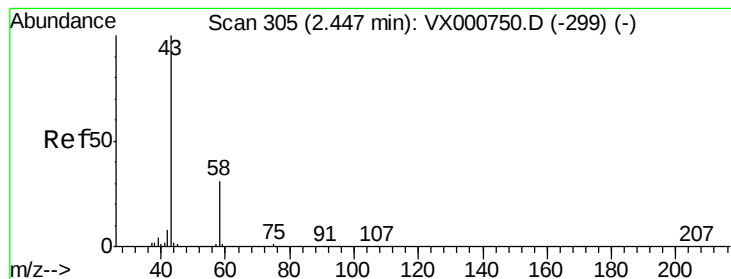
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->



#16

Acetone

Concen: 3.19 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

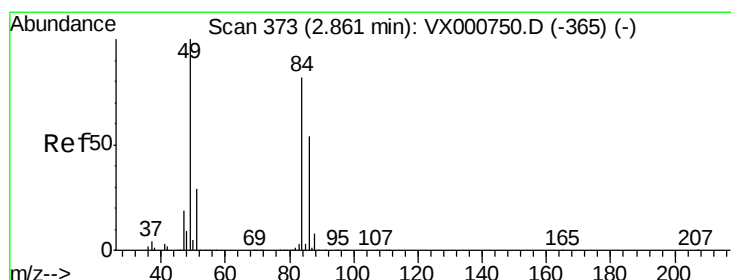
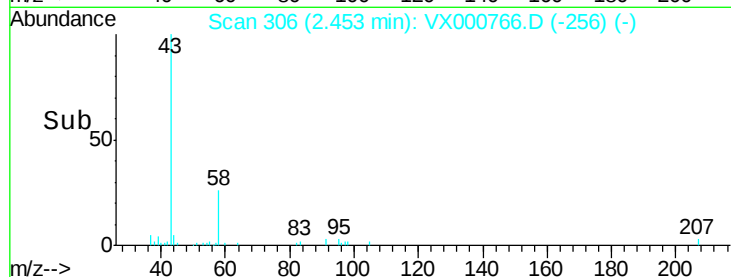
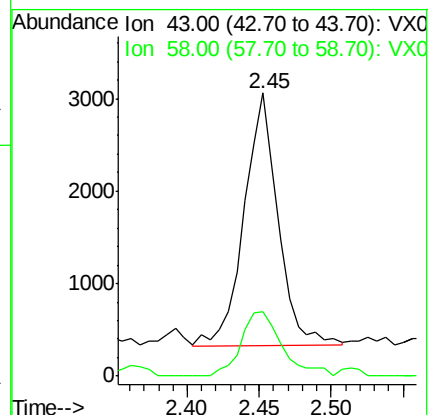
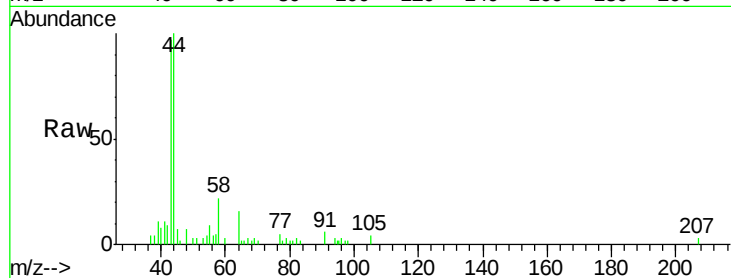
NB-01-040618-A

Tot Ion: 43 Resp: 4464

Ion Ratio Lower Upper

43 100

58 25.5 24.6 37.0



#20

Methylene Chloride

Concen: 90.70 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Tgt Ion: 84 Resp: 294981

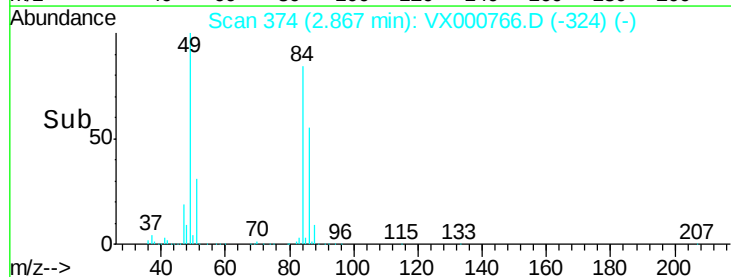
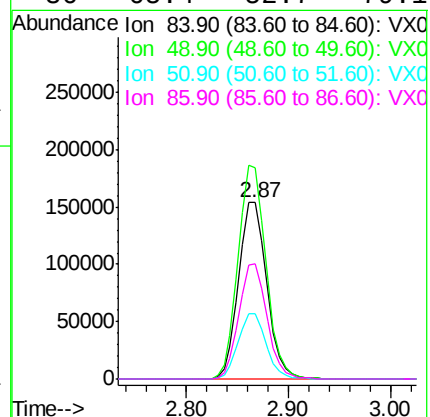
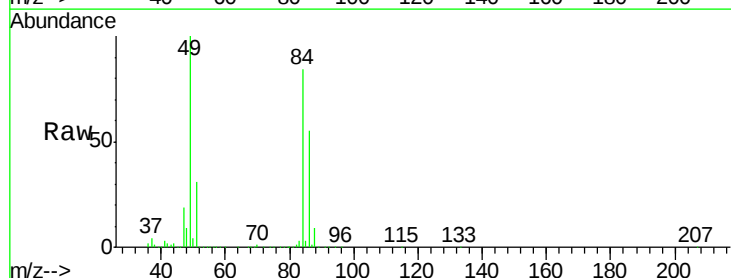
Ion Ratio Lower Upper

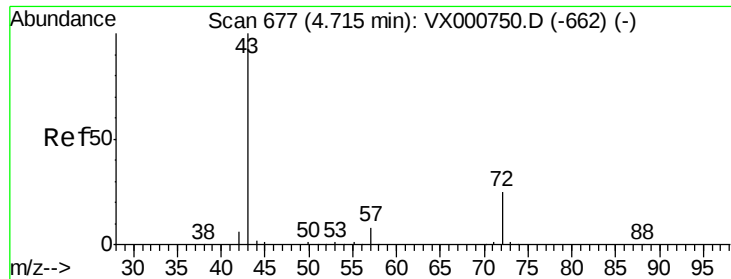
84 100

49 119.5 98.1 147.1

51 36.9 28.9 43.3

86 65.4 52.7 79.1





#25

2-Butanone

Concen: 0.51 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

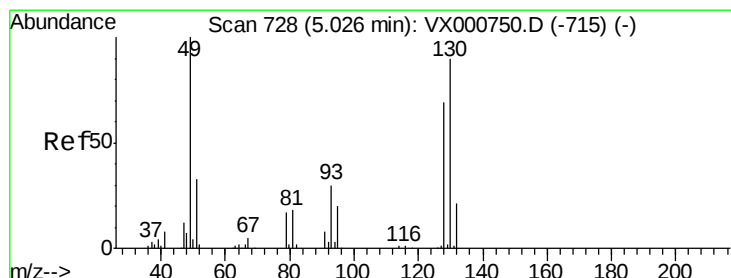
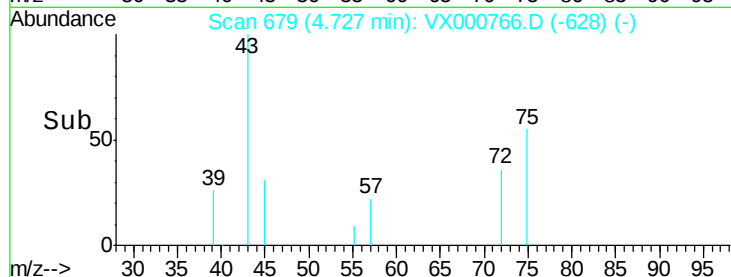
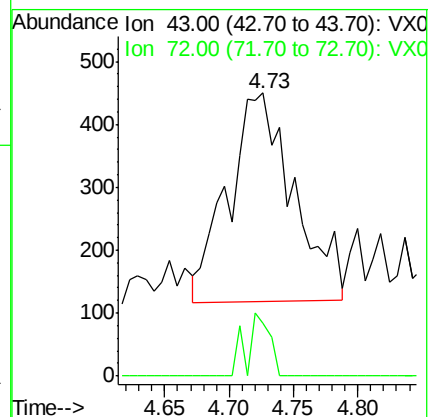
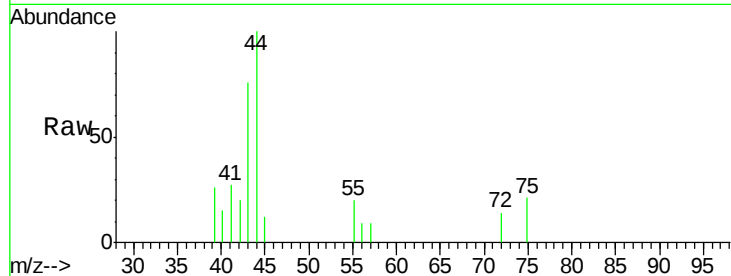
NB-01-040618-A

Tot Ion: 43 Resp: 1174

Ion Ratio Lower Upper

43 100

72 26.6 20.3 30.5



#28

Bromochloromethane

Concen: 0.24 ug/l

RT: 5.04 min Scan# 731

Delta R.T. 0.02 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

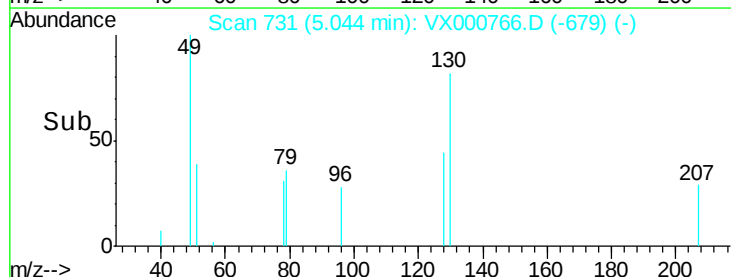
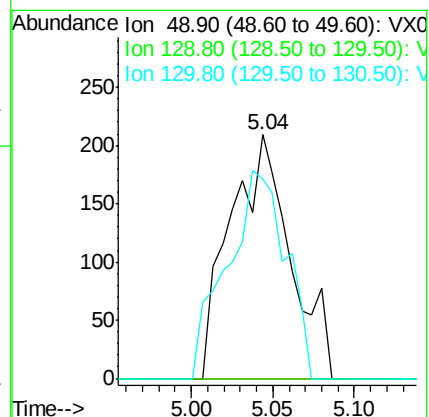
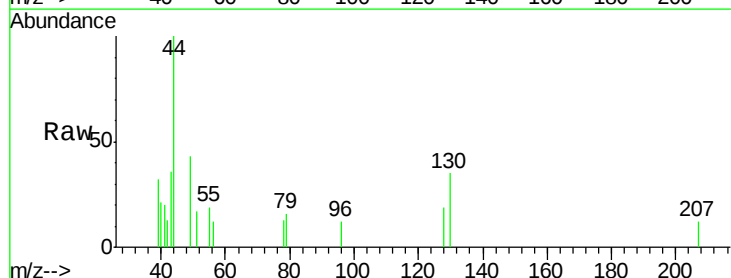
Tgt Ion: 49 Resp: 541

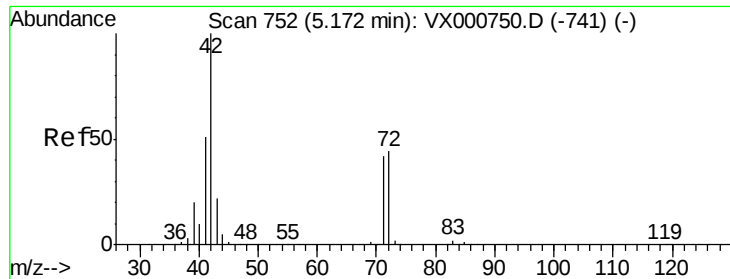
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 83.0 72.6 109.0





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

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NB-01-040618-A

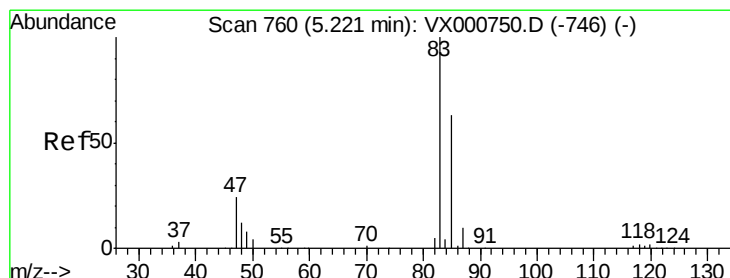
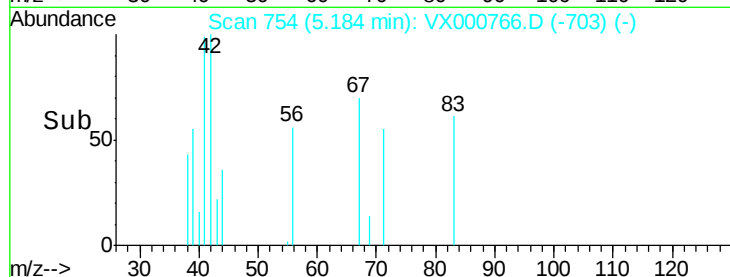
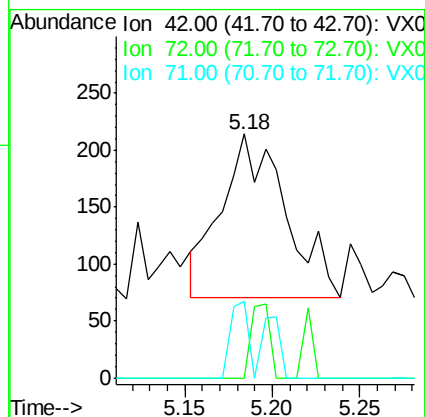
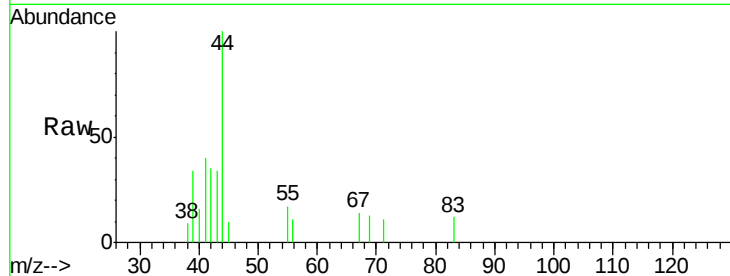
Tot Ion: 42 Resp: 371

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 12.9 32.8 49.2#



#30

Chloroform

Concen: 0.28 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX000766.D

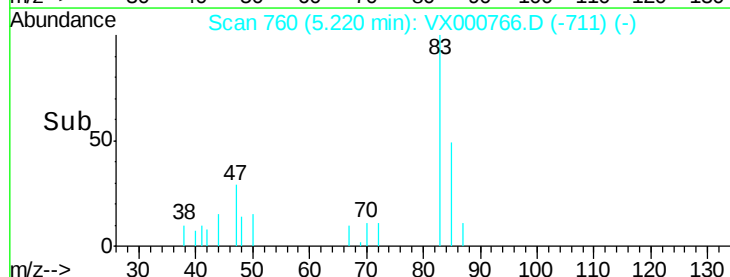
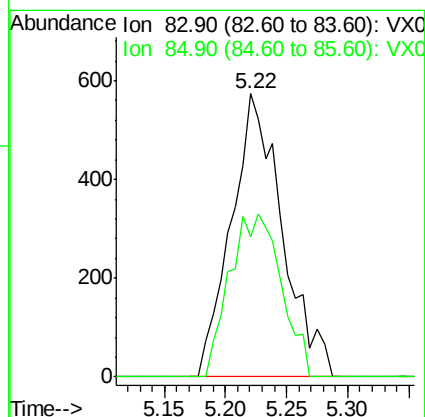
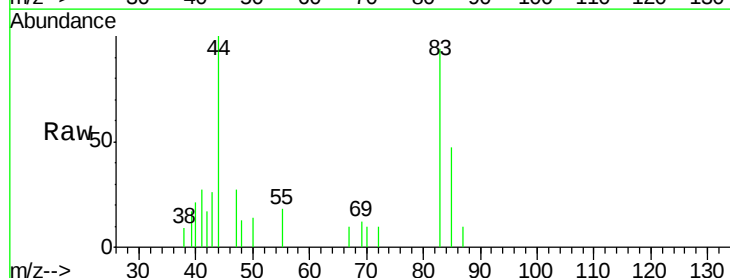
Acq: 10 Apr 2018 23:19

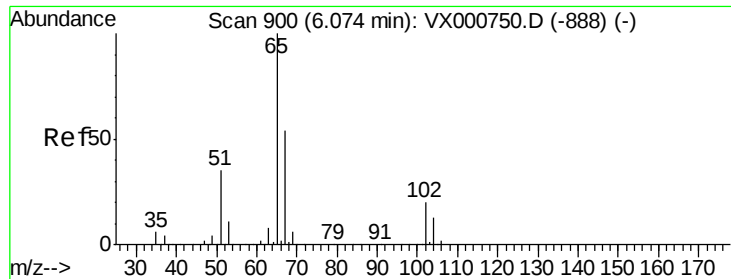
Tgt Ion: 83 Resp: 1667

Ion Ratio Lower Upper

83 100

85 49.4 50.7 76.1#





#33

1,2-Dichloroethane-d4

Concen: 40.34 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

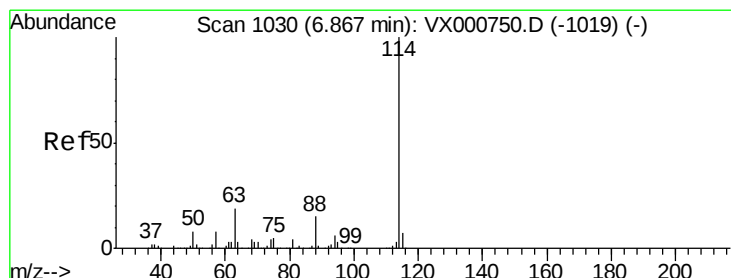
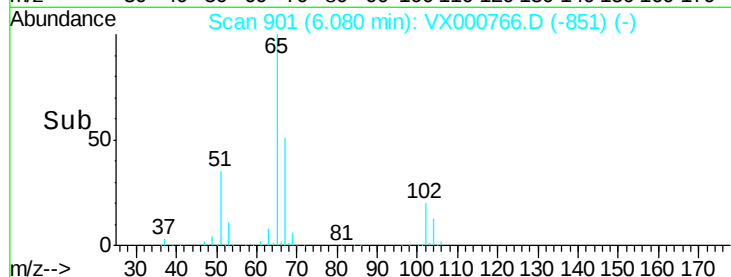
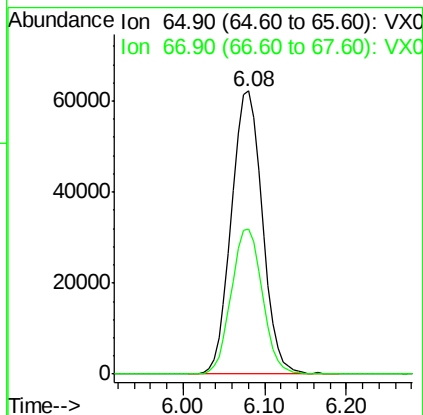
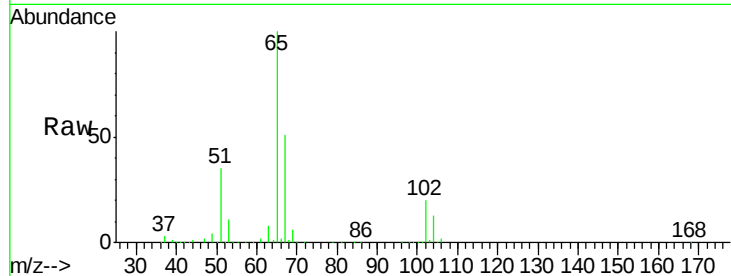
NB-01-040618-A

Tot Ion: 65 Resp: 163568

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

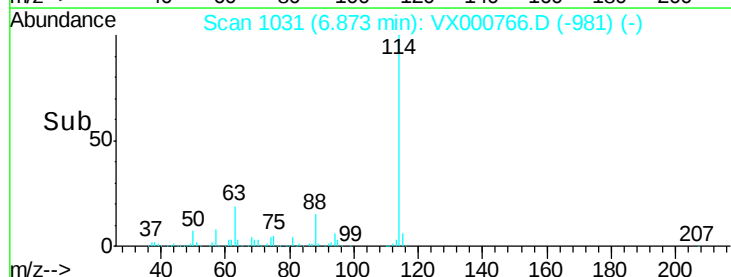
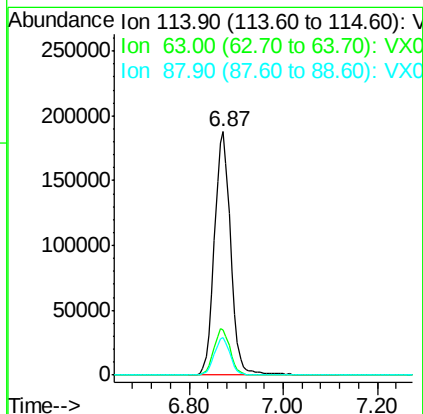
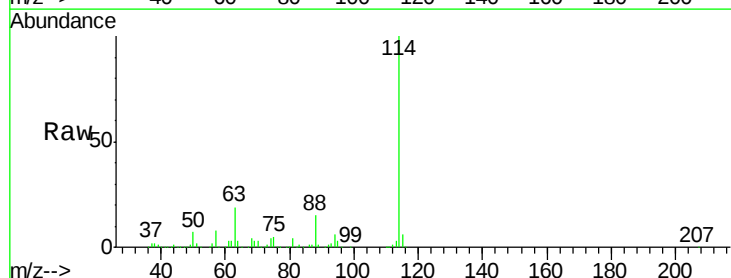
Tgt Ion: 114 Resp: 450356

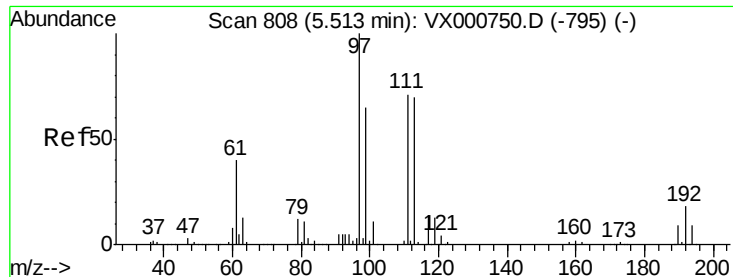
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 15.2 0.0 31.0

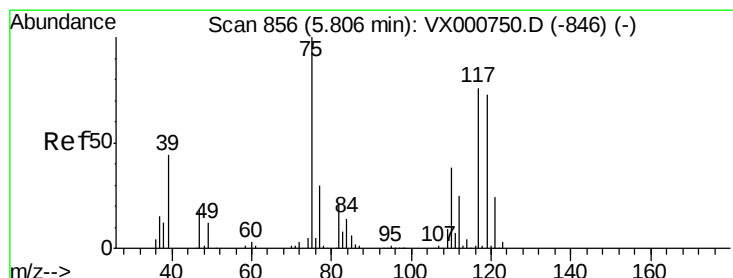
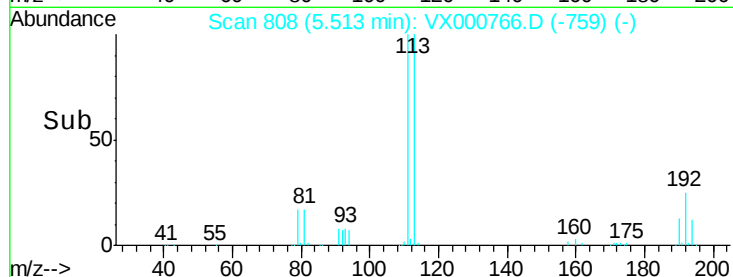
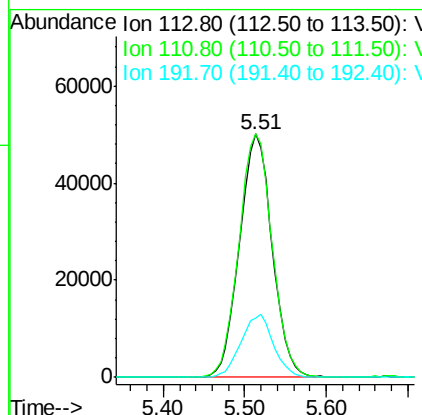
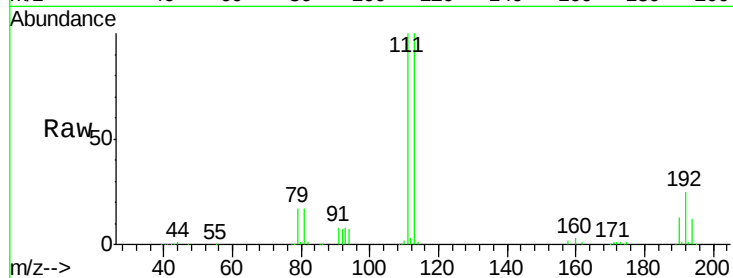




#35
 Dibromofluoromethane
 Concen: 40.10 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000766.D
 Acq: 10 Apr 2018 23:19

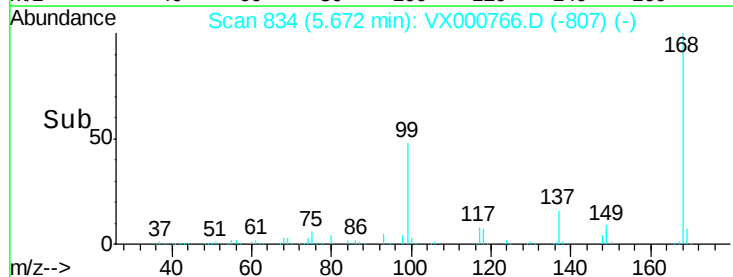
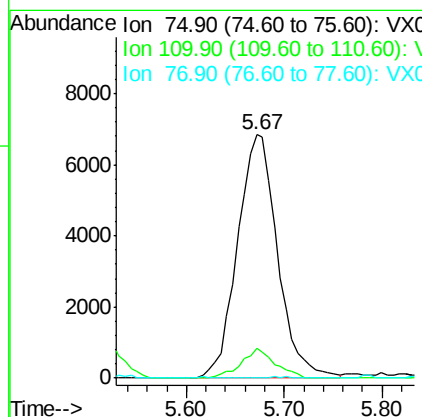
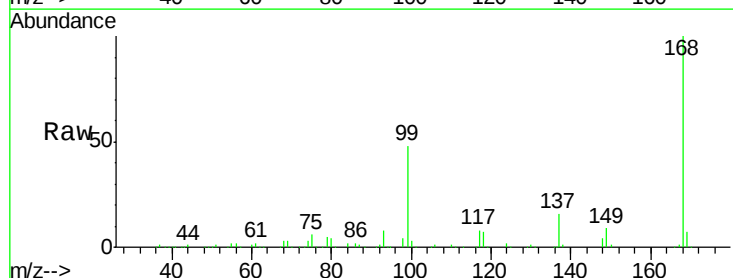
Instrument :
 MSVOA_X
 ClientSampleId :
 NB-01-040618-A

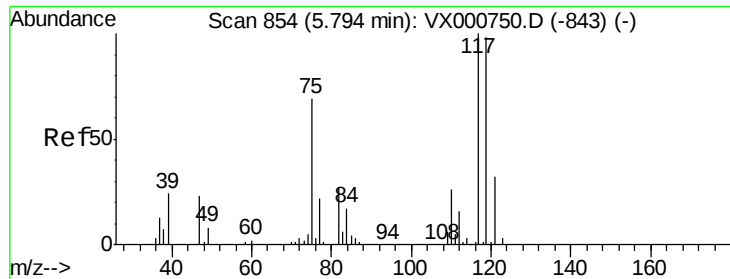
Tot Ion:113 Resp: 139149
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 25.9 20.4 30.6



#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000766.D
 Acq: 10 Apr 2018 23:19

Tgt Ion: 75 Resp: 19450
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.2 57.6#
 77 0.2 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.93 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

NB-01-040618-A

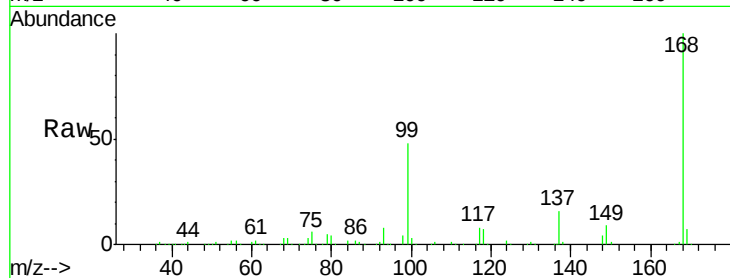
Tot Ion:117 Resp: 27358

Ion Ratio Lower Upper

117 100

119 5.6 78.4 117.6#

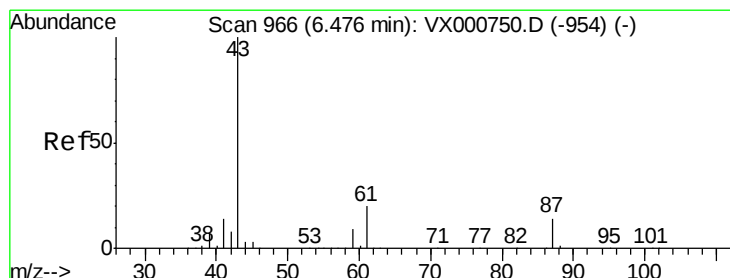
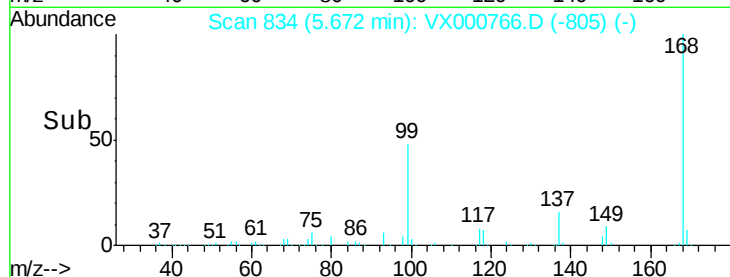
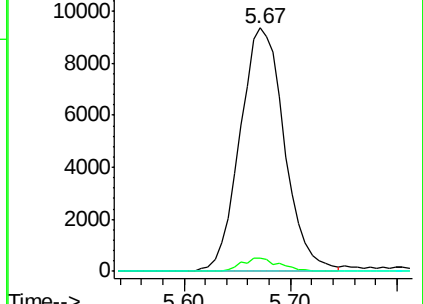
121 0.0 25.4 38.0#



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: 0.26 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

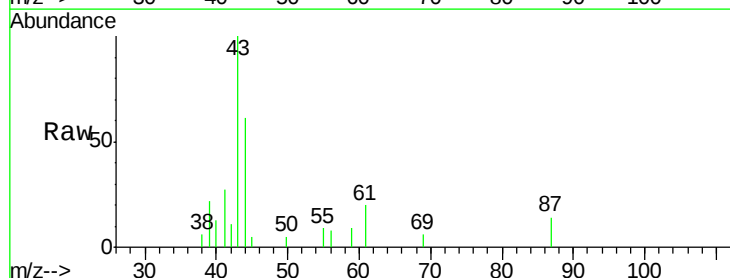
Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

61 19.6 15.6 23.4

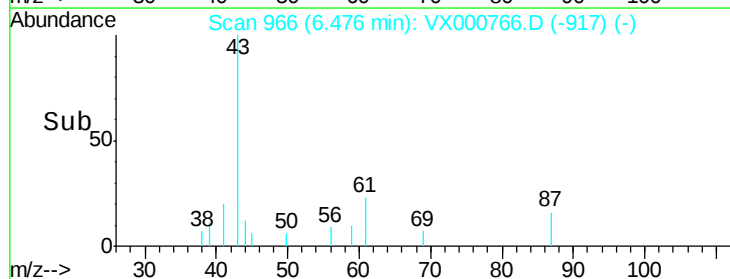
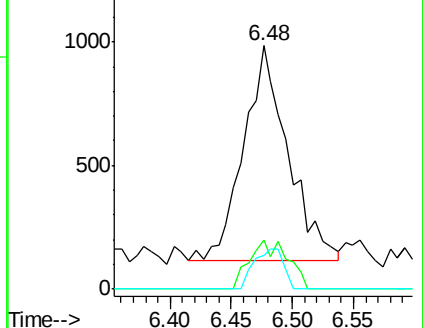
87 12.5 10.7 16.1

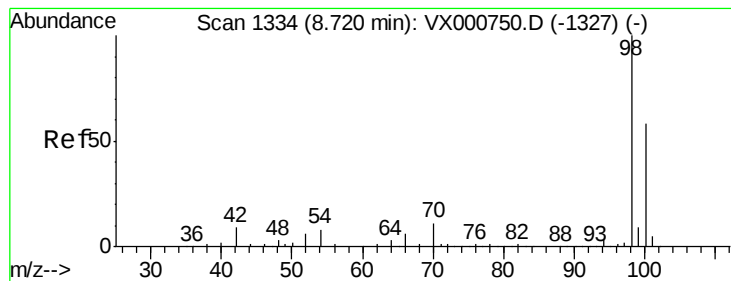


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 40.08 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

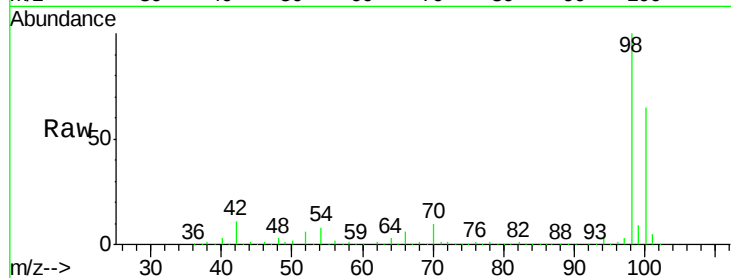
NB-01-040618-A

Tot Ion: 98 Resp: 517800

Ion Ratio Lower Upper

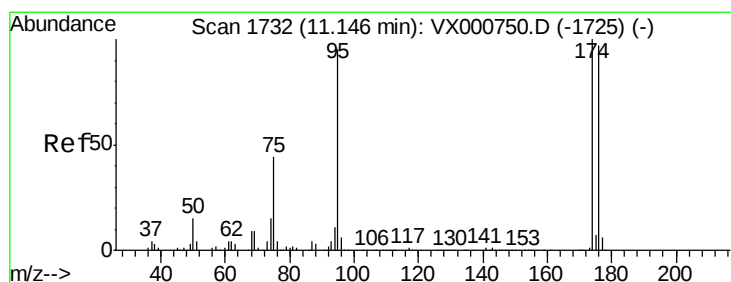
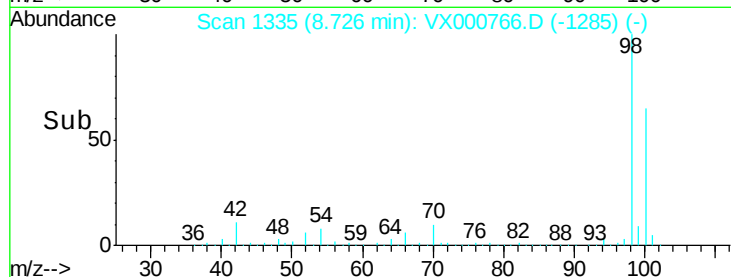
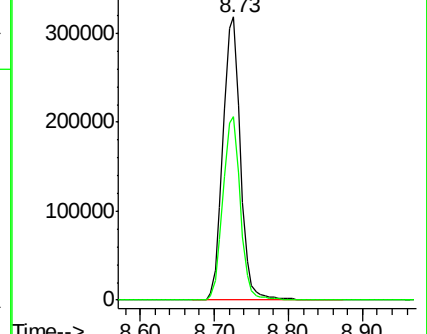
98 100

100 64.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 39.34 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

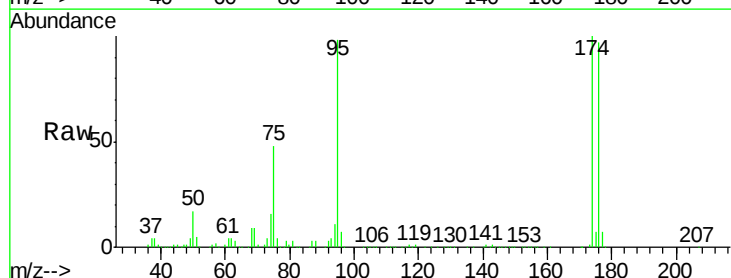
Tgt Ion: 95 Resp: 210286

Ion Ratio Lower Upper

95 100

174 98.8 0.0 198.4

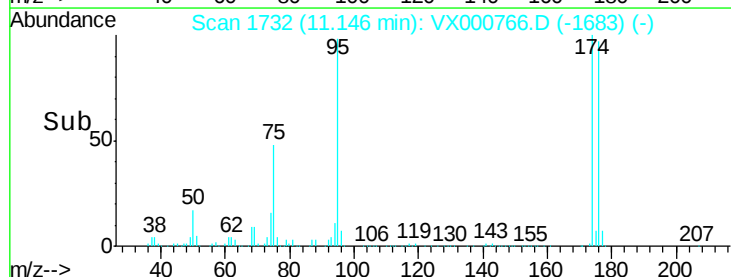
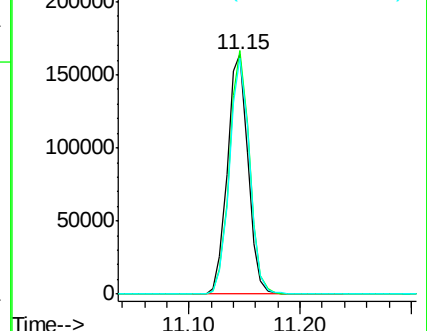
176 96.0 0.0 194.4

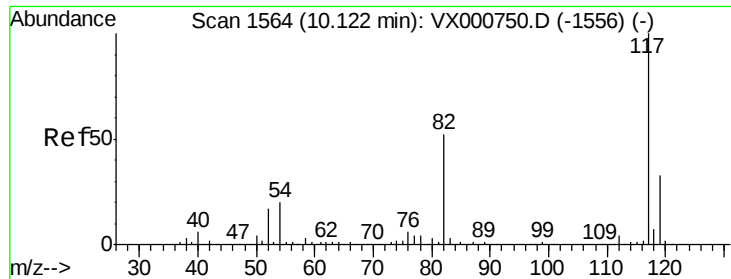


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

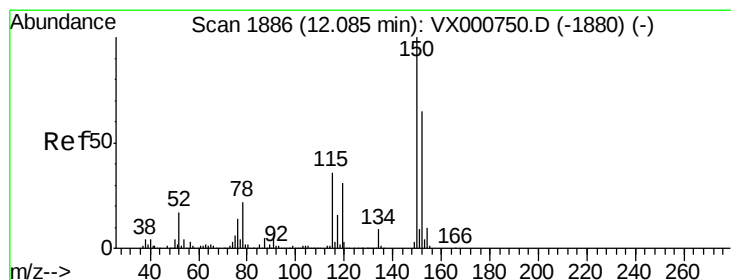
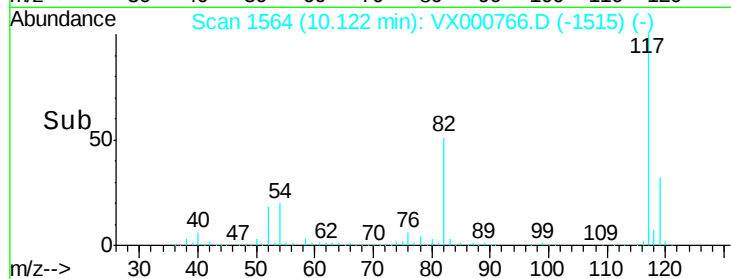
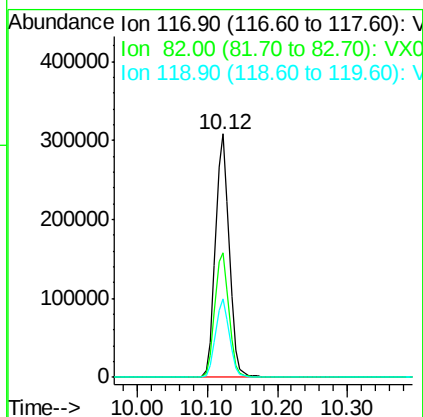
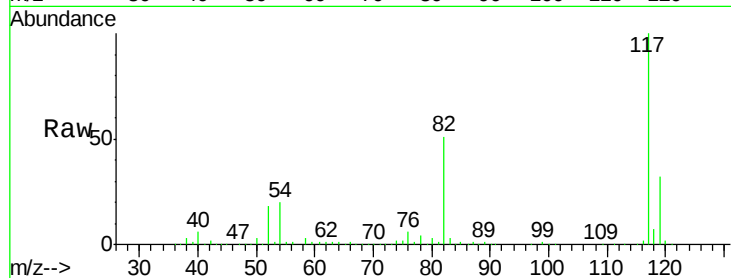




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000766.D
Acq: 10 Apr 2018 23:19

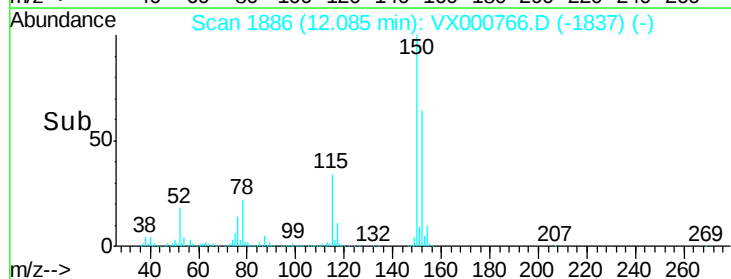
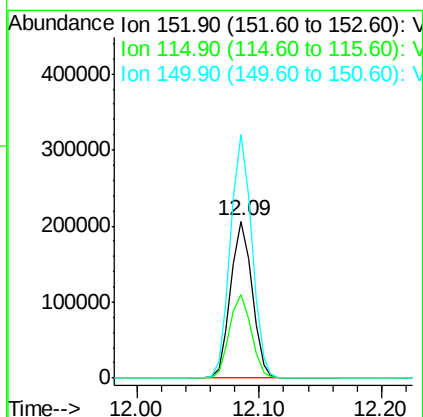
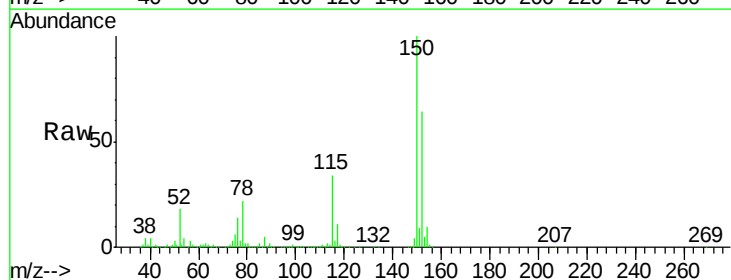
Instrument :
MSVOA_X
ClientSampleId :
NB-01-040618-A

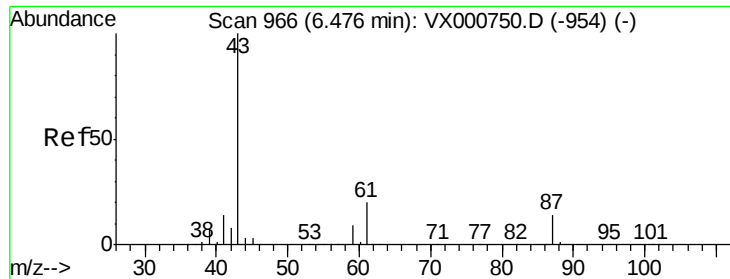
Tot Ion:117 Resp: 423538
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000766.D
Acq: 10 Apr 2018 23:19

Tgt Ion:152 Resp: 250339
Ion Ratio Lower Upper
152 100
115 53.9 37.9 113.7
150 154.6 0.0 348.0





#74

N-amvl acetate

Concen: 0.31 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

NB-01-040618-A

Tot Ion: 43 Resp: 2186

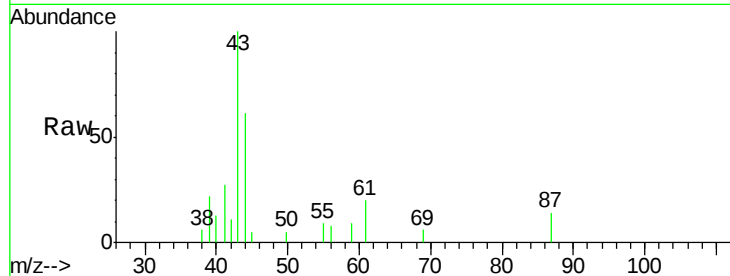
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.6 15.6 23.4

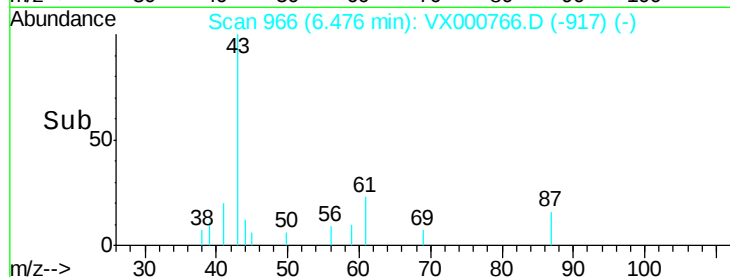


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



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

Time-->

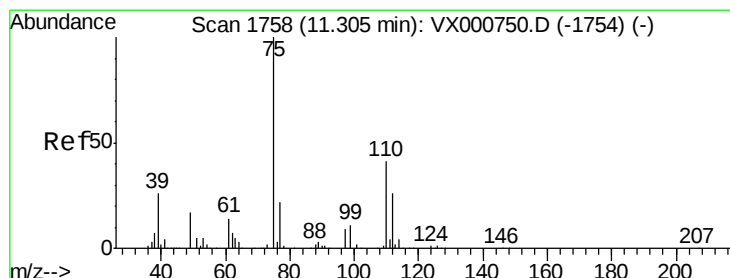
6.40 6.45 6.50 6.55

6.48

1000

500

0



#76

1,2,3-Trichloropropane

Concen: 24.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000766.D

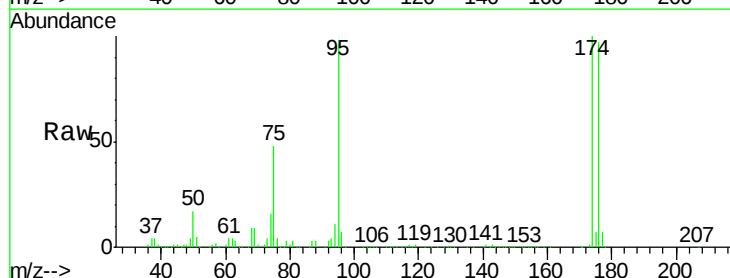
Acq: 10 Apr 2018 23:19

Tgt Ion: 75 Resp: 104075

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->

11.10 11.20

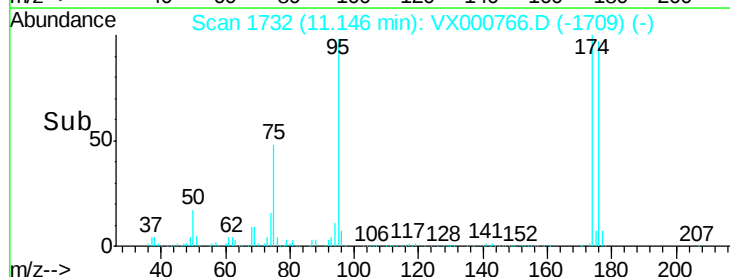
80000

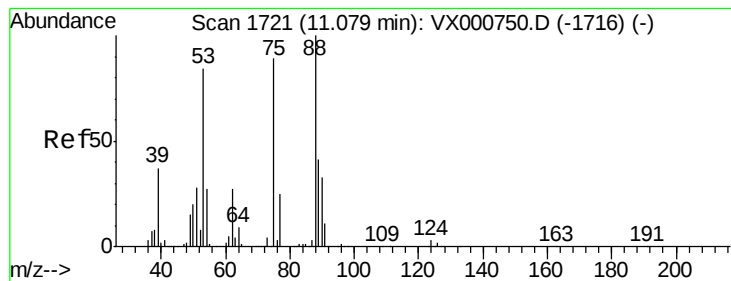
60000

40000

20000

0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.31 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

Instrument :

MSVOA_X

ClientSampleId :

NB-01-040618-A

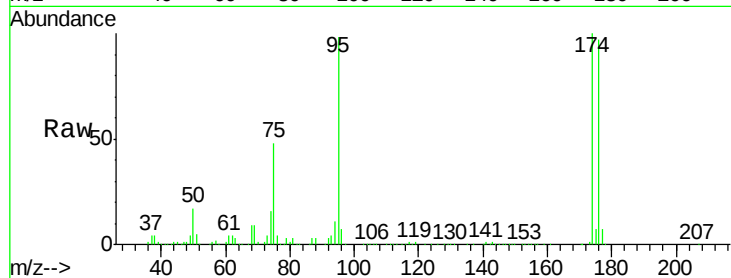
Tot Ion: 75 Resp: 104075

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

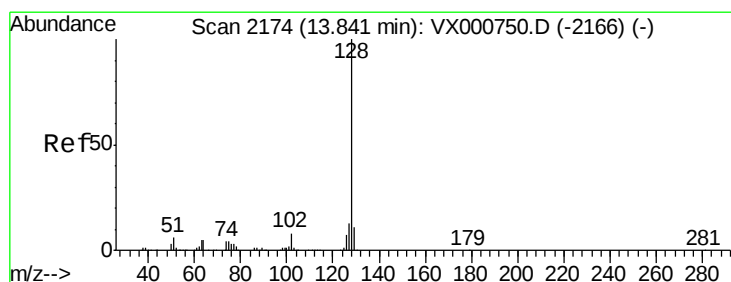
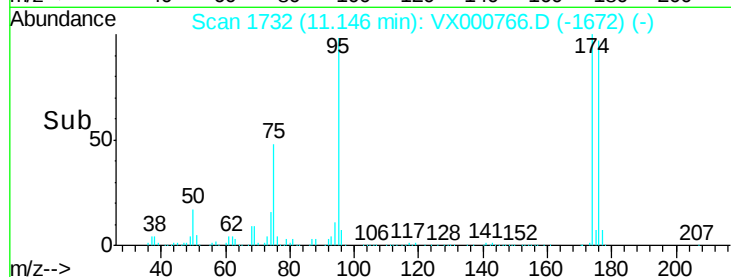
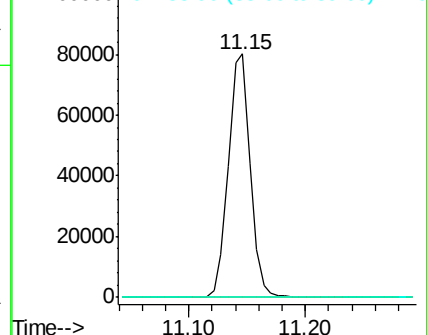
89 0.0 40.9 61.3#



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



#95

Naphthalene

Concen: 3.90 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000766.D

Acq: 10 Apr 2018 23:19

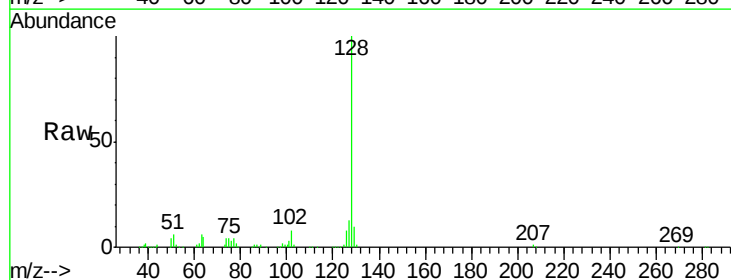
Tgt Ion:128 Resp: 71011

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 10.8 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

