

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000826.D
 Acq On : 13 Apr 2018 02:20
 Operator : JC/MD
 Sample : J2163-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-A

Quant Time: Apr 13 07:01:30 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	5.68	168	284313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	376150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	162584	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	5.51	113	133648	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
50) Toluene-d8	8.73	98	513368	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.15	95	201234	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	

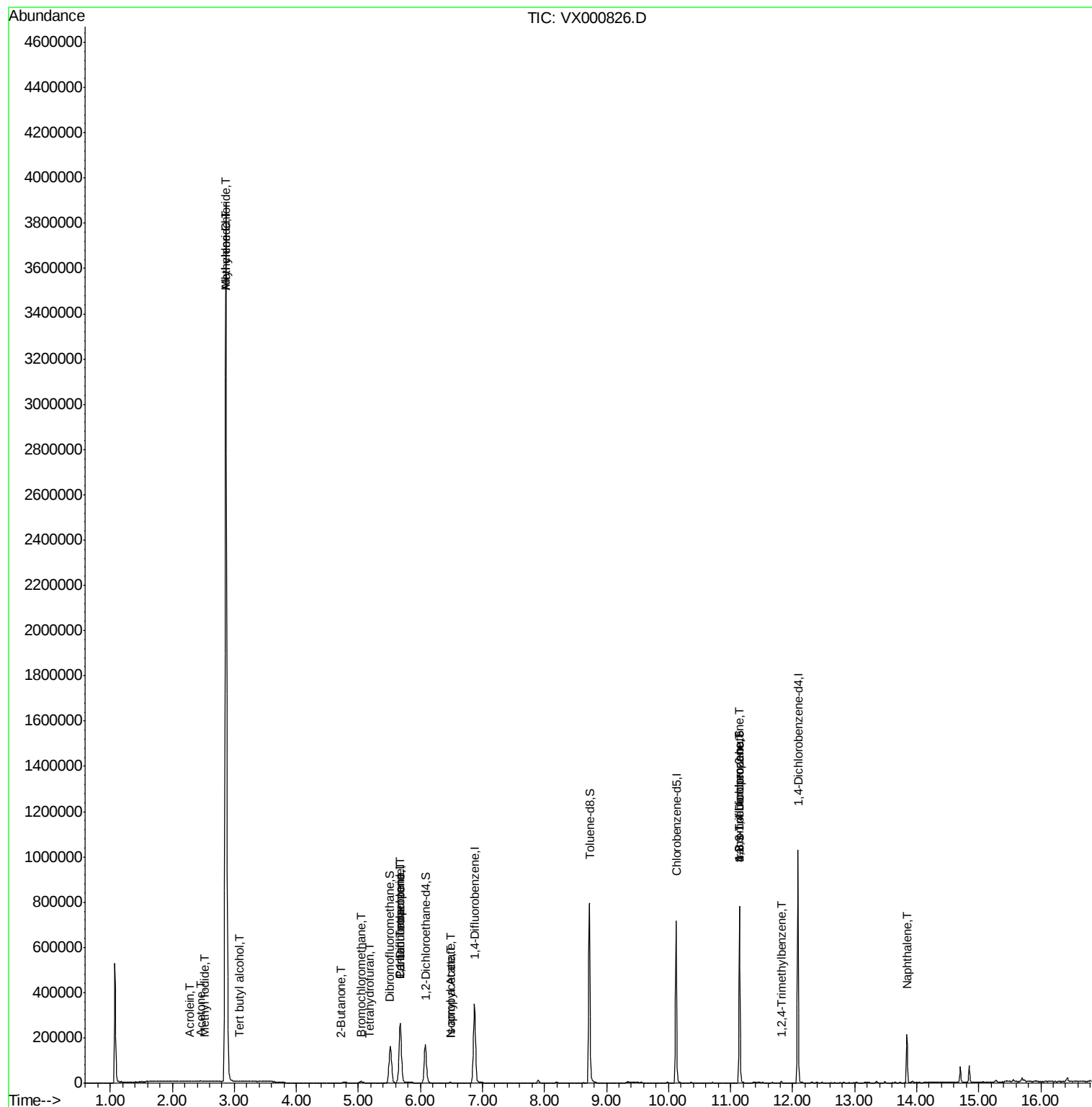
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	432	Below Cal	#	49
10) Methyl Iodide	2.52	142	174	8.30	ug/l #	42
11) Tert butyl alcohol	3.08	59	273	0.43	ug/l #	1
13) Acrolein	2.28	56	62	0.20	ug/l #	1
14) Allyl chloride	2.86	41	70618	14.64	ug/l #	27
16) Acetone	2.45	43	3601	2.91	ug/l	95
20) Methylene Chloride	2.86	84	1881239	654.26	ug/l	97
25) 2-Butanone	4.71	43	1394	0.68	ug/l #	87
28) Bromochloromethane	5.04	49	4453	2.22	ug/l #	94
29) Tetrahydrofuran	5.18	42	336	0.26	ug/l #	48
36) 1,1-Dichloropropene	5.68	75	16987	4.10	ug/l #	48
38) Carbon Tetrachloride	5.67	117	23920	5.16	ug/l #	15
43) Isopropyl Acetate	6.48	43	2343	0.34	ug/l	95
74) N-amyl acetate	6.48	43	2343	0.37	ug/l #	96
76) 1,2,3-Trichloropropane	11.15	75	97384	25.66	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	97384	70.57	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.82	105	2825	0.23	ug/l	94
95) Naphthalene	13.84	128	135064	8.43	ug/l	100

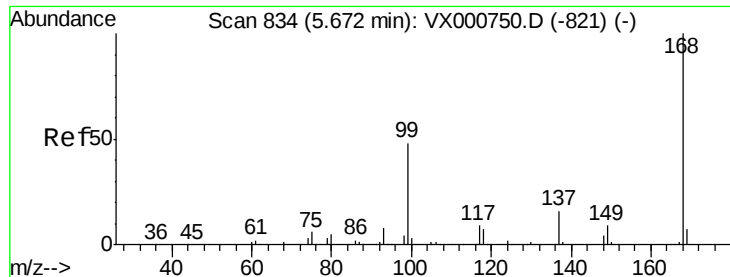
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

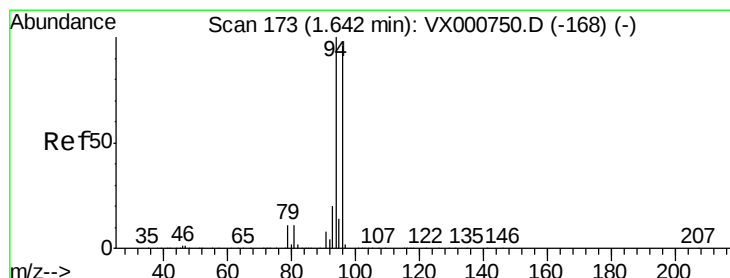
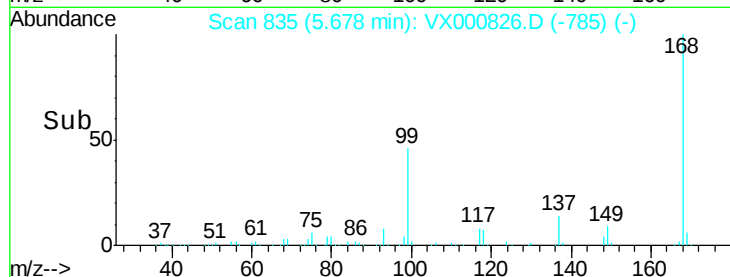
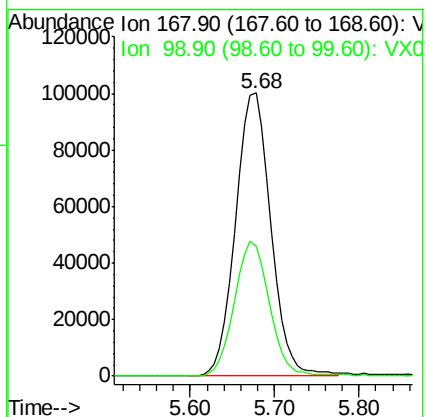
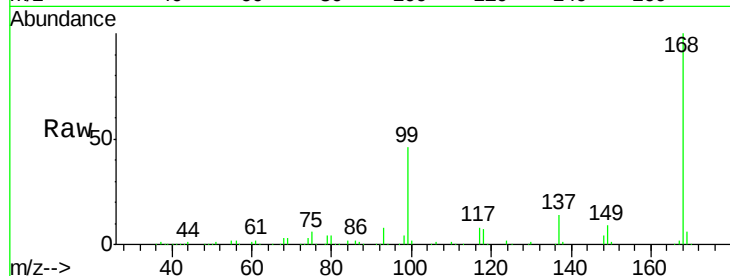
PL-01-041118-A

Tgt Ion:168 Resp: 284313

Ion Ratio Lower Upper

168 100

99 46.1 38.3 57.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000826.D

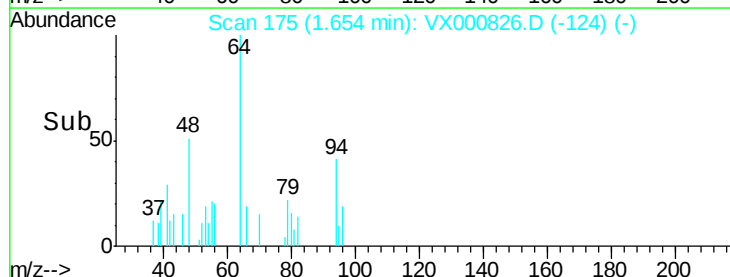
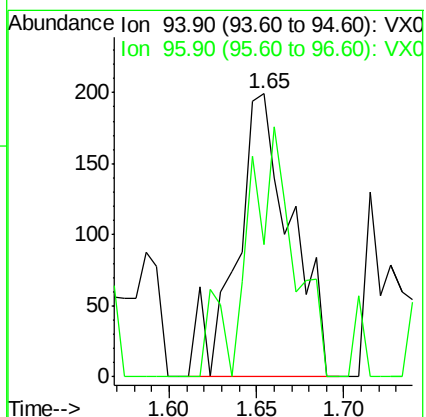
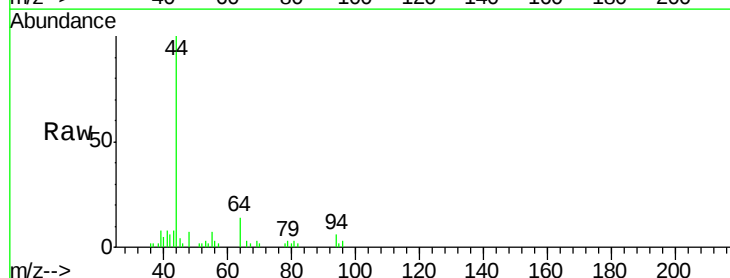
Acq: 13 Apr 2018 02:20

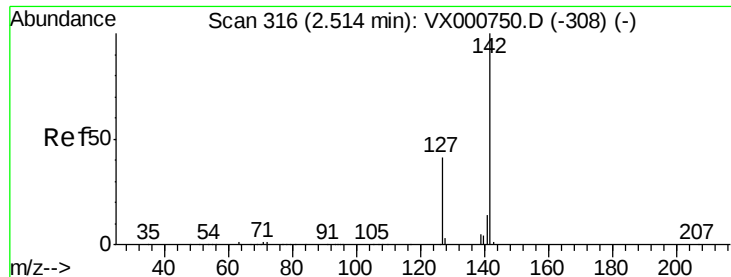
Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

94 100

96 46.7 77.0 115.6#

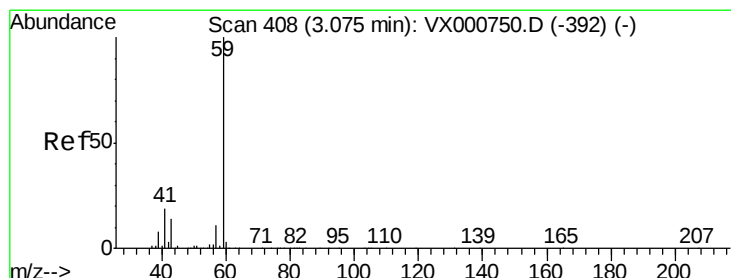
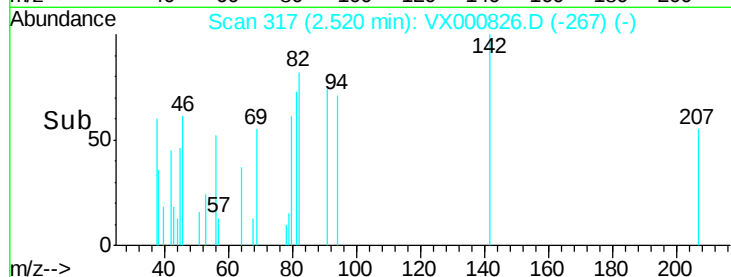
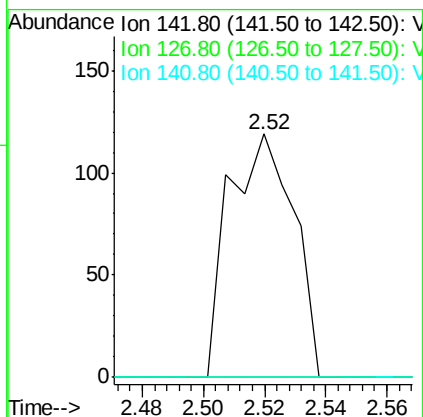
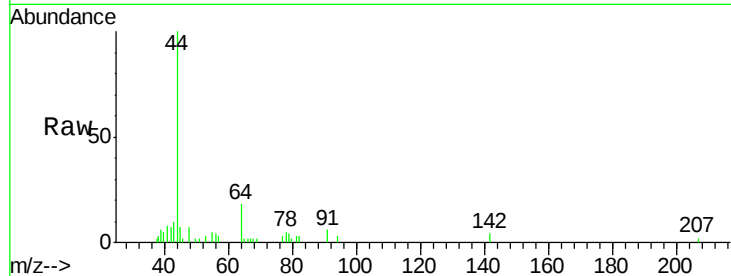




#10
Methyl Iodide
Concen: 8.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000826.D
Acq: 13 Apr 2018 02:20

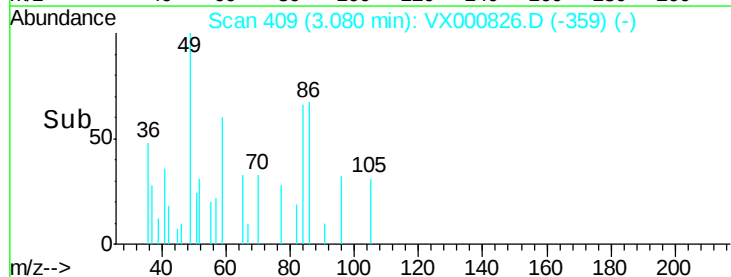
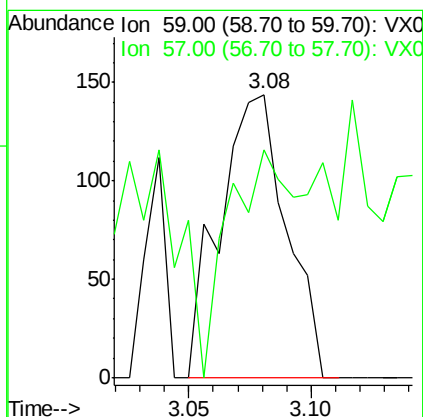
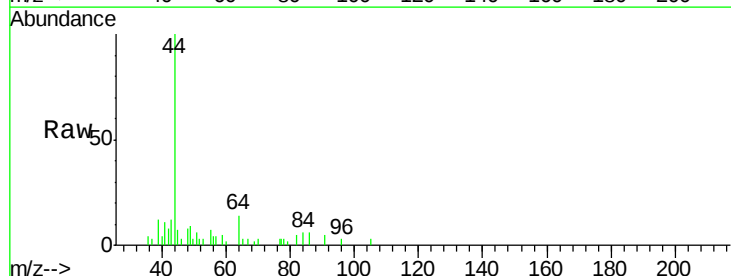
Instrument :
MSVOA_X
ClientSampleId :
PL-01-041118-A

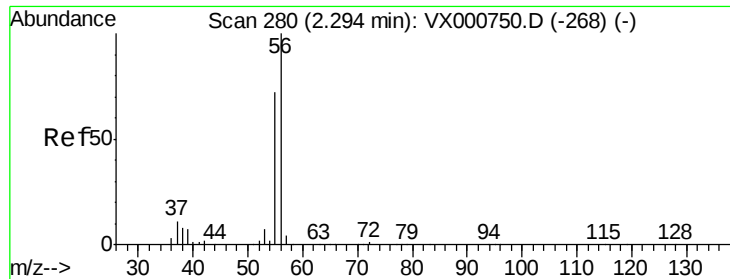
Tgt Ion:142 Resp: 174
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000826.D
Acq: 13 Apr 2018 02:20

Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 75.5 8.4 12.6#





#13

Acrolein

Concen: 0.20 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampled :

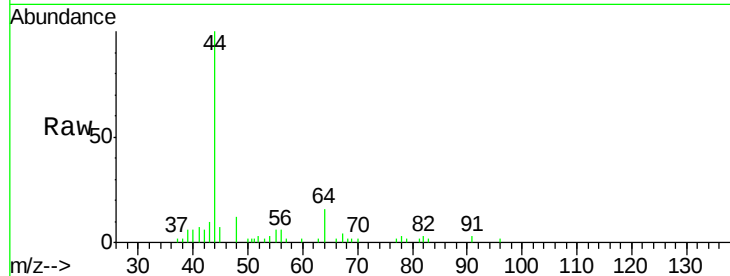
PL-01-041118-A

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

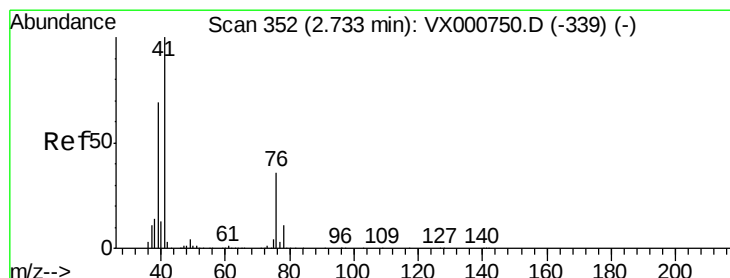
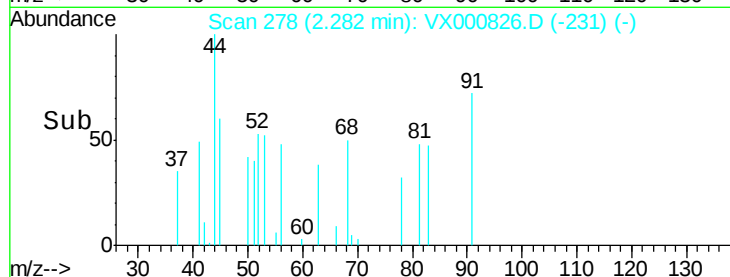
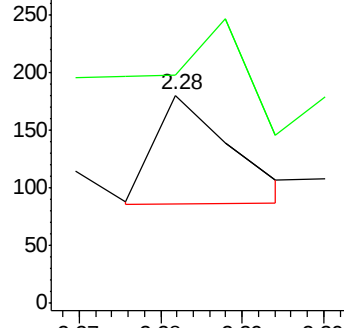
56 100

55 190.3 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 14.64 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.13 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

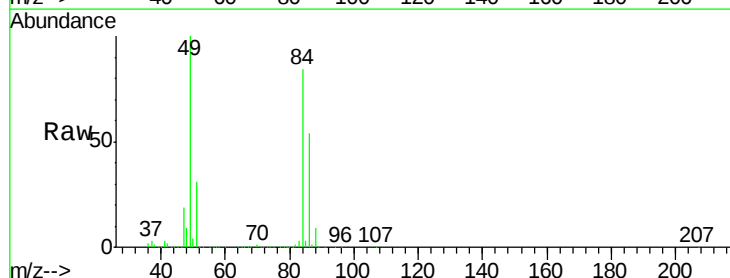
Tgt Ion: 41 Resp: 70618

Ion Ratio Lower Upper

41 100

39 1.2 51.5 77.3#

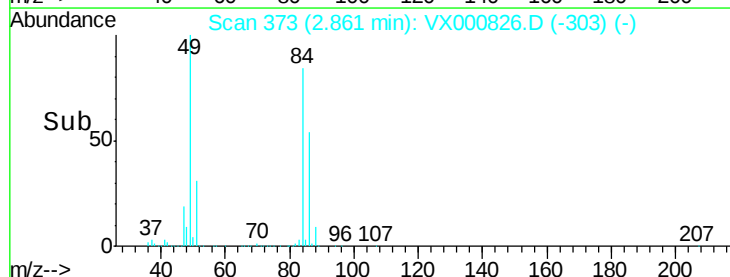
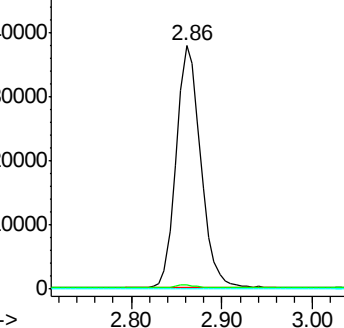
76 0.0 26.5 39.7#

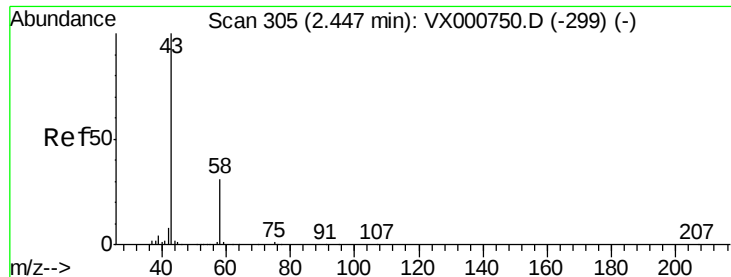


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 2.91 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

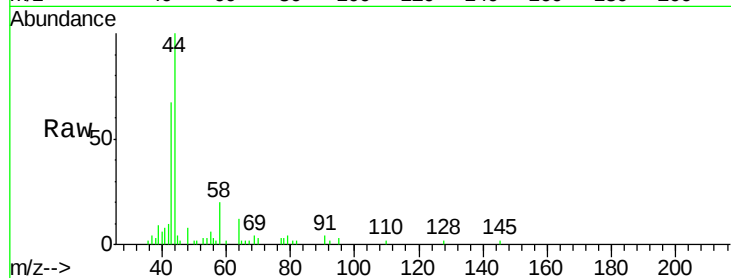
PL-01-041118-A

Tgt Ion: 43 Resp: 3601

Ion Ratio Lower Upper

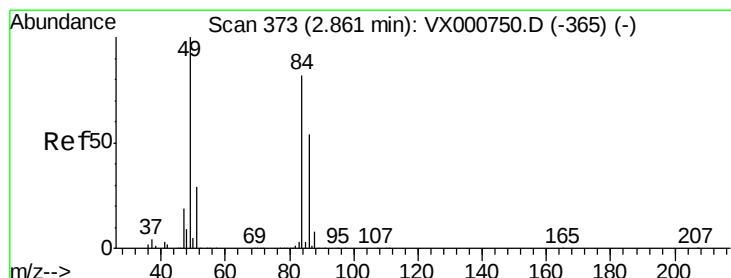
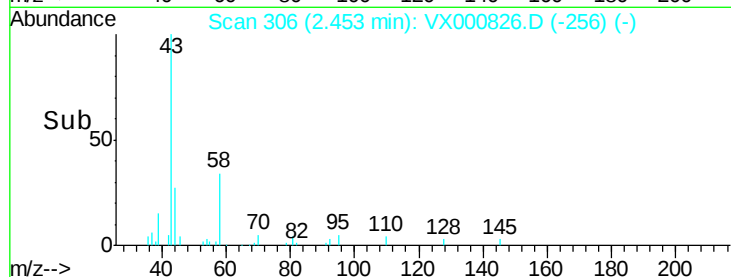
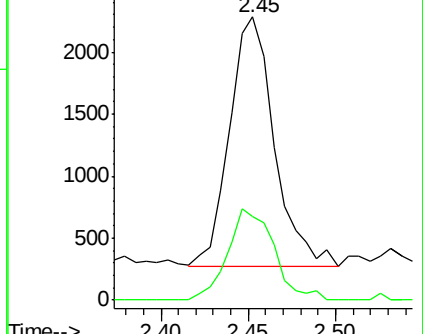
43 100

58 33.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 654.26 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Tgt Ion: 84 Resp: 1881239

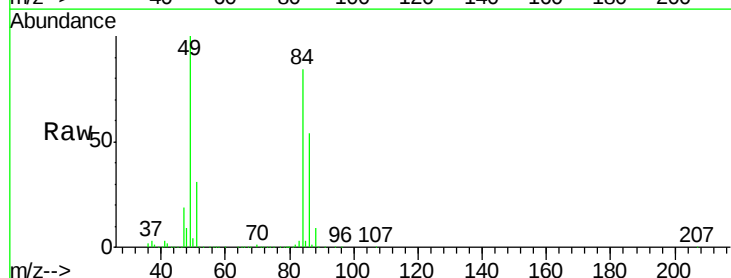
Ion Ratio Lower Upper

84 100

49 119.0 98.1 147.1

51 36.9 28.9 43.3

86 64.4 52.7 79.1

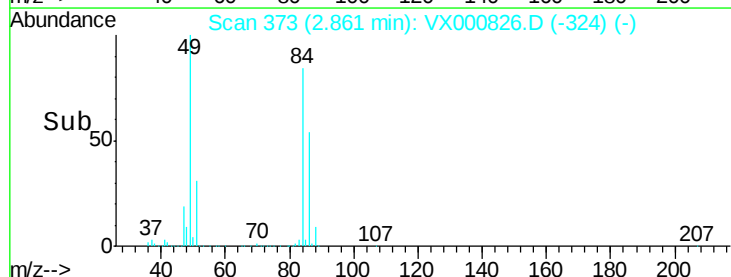
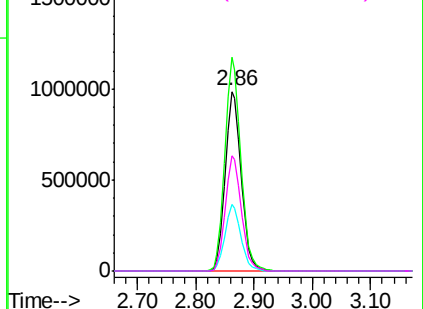


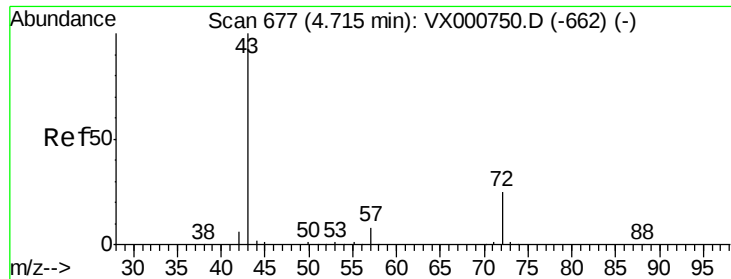
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.68 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampled :

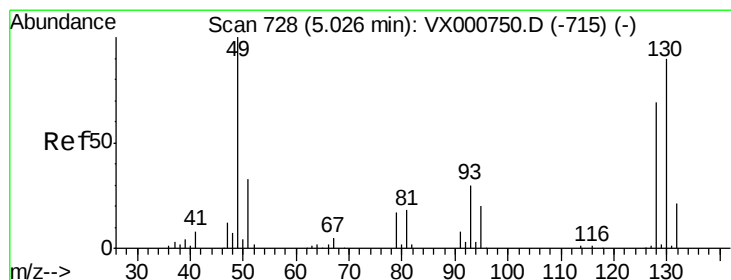
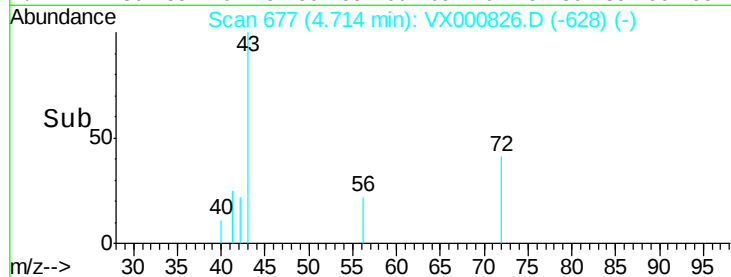
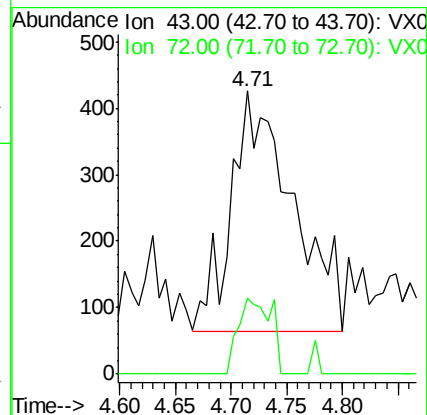
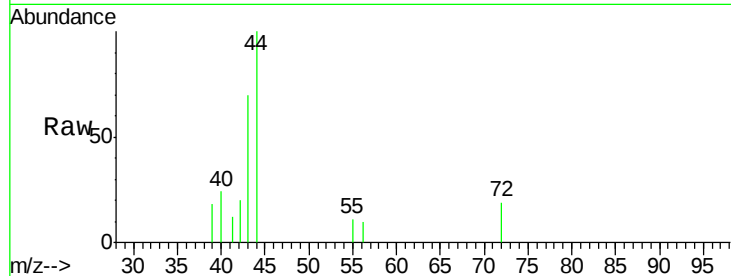
PL-01-041118-A

Tgt Ion: 43 Resp: 1394

Ion Ratio Lower Upper

43 100

72 31.8 20.3 30.5#



#28

Bromochloromethane

Concen: 2.22 ug/l

RT: 5.04 min Scan# 731

Delta R.T. 0.02 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

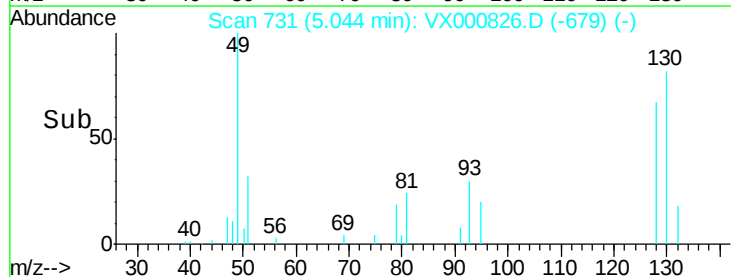
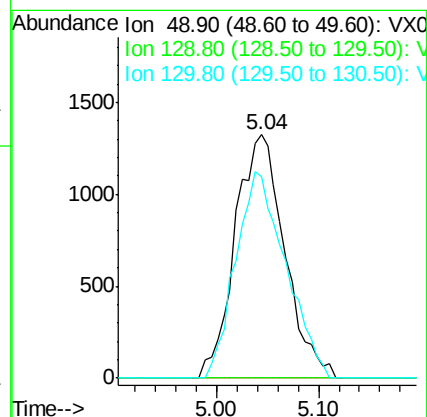
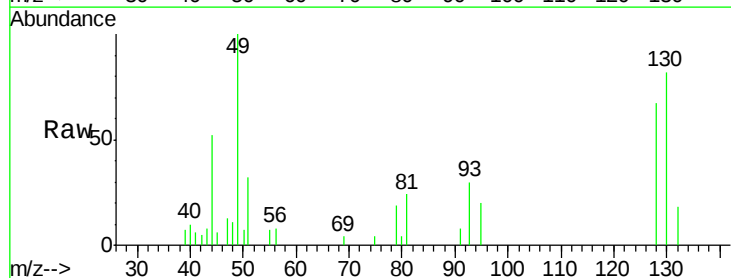
Tgt Ion: 49 Resp: 4453

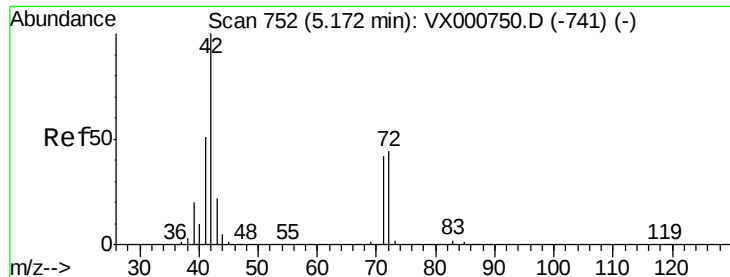
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 85.6 72.6 109.0





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-A

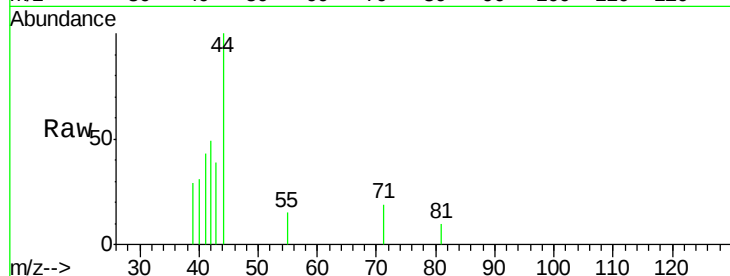
Tgt Ion: 42 Resp: 336

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

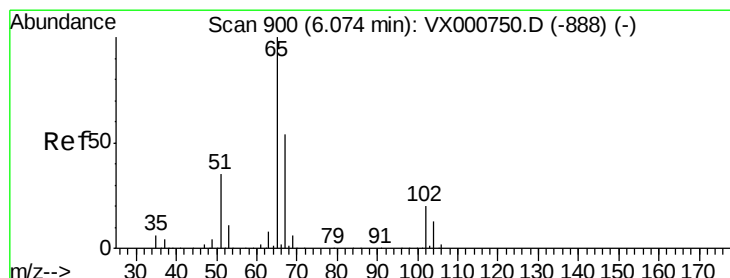
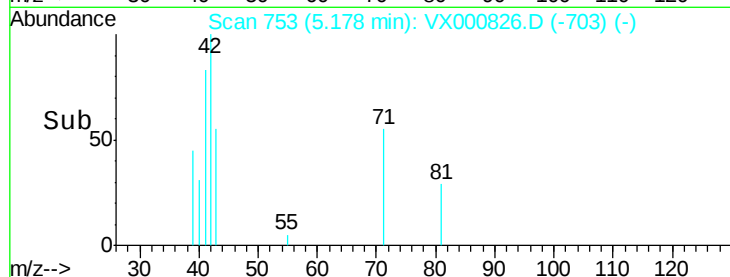
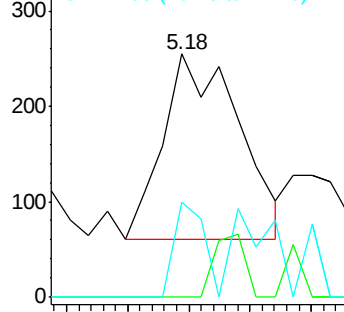
71 19.6 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.35 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000826.D

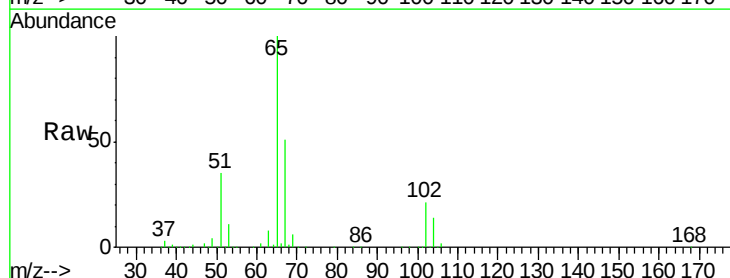
Acq: 13 Apr 2018 02:20

Tgt Ion: 65 Resp: 162584

Ion Ratio Lower Upper

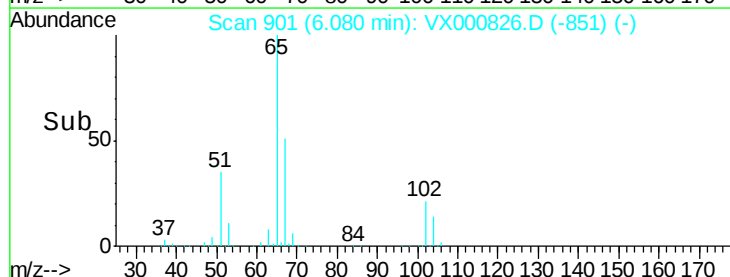
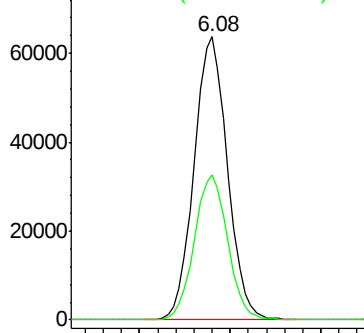
65 100

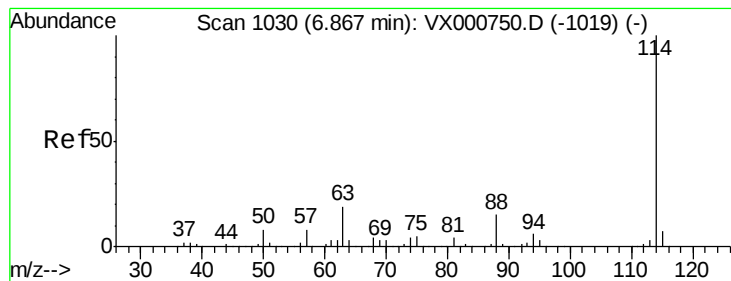
67 51.3 0.0 103.8



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: VX000826.D

Acq: 13 Apr 2018 02:20

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ClientSampleId :

PL-01-041118-A

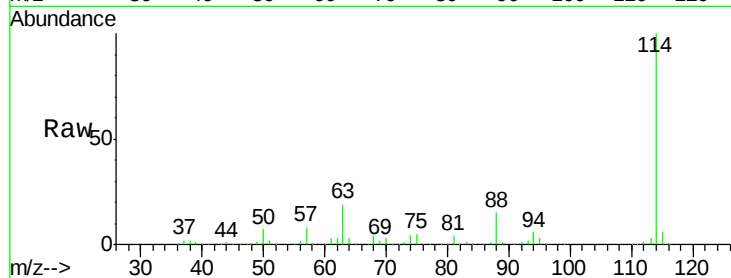
Tgt Ion:114 Resp: 376150

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

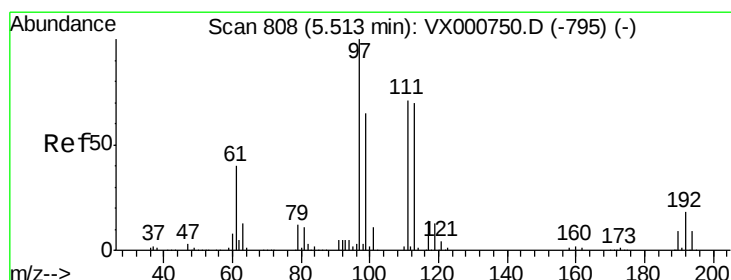
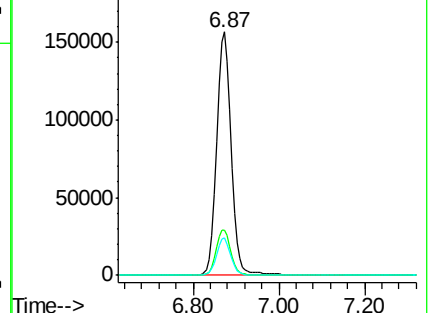
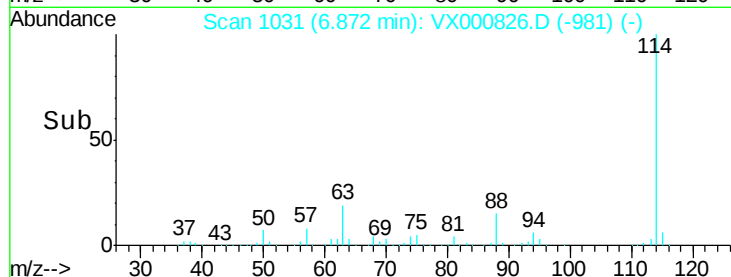
88 15.2 0.0 31.0



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: 46.12 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

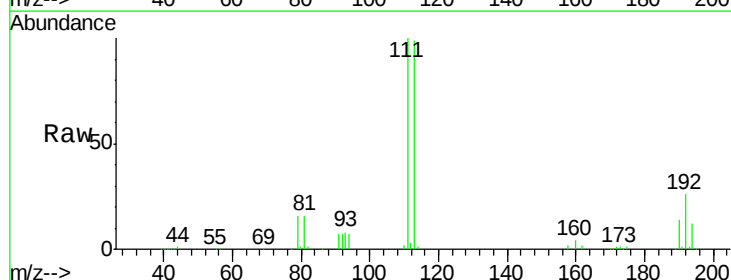
Tgt Ion:113 Resp: 133648

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

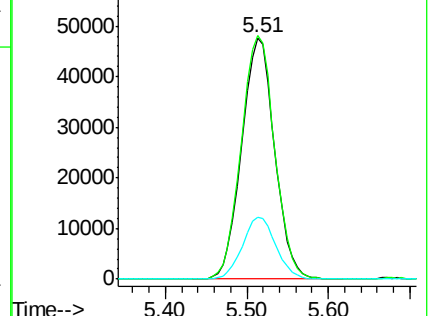
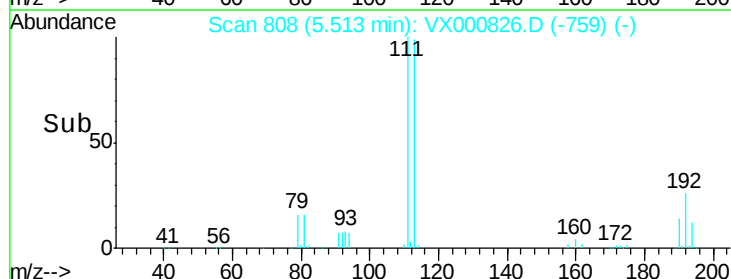
192 26.0 20.4 30.6

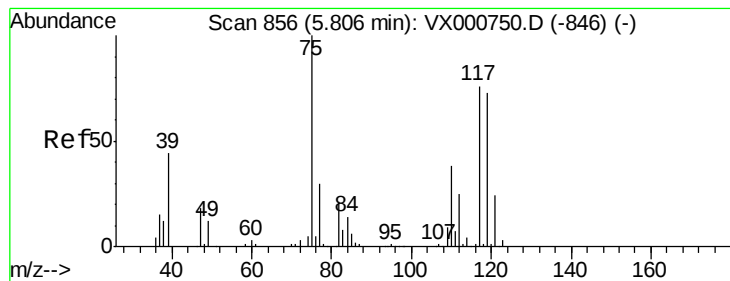


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.10 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-A

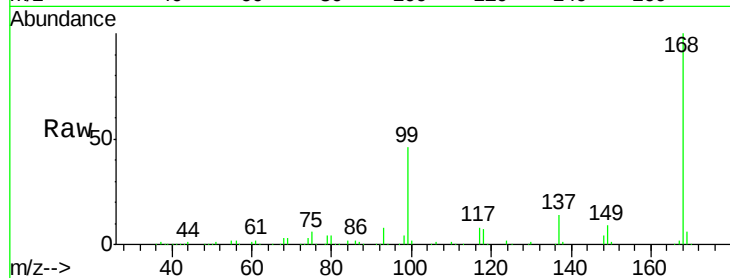
Tgt Ion: 75 Resp: 16987

Ion Ratio Lower Upper

75 100

110 10.0 19.2 57.6#

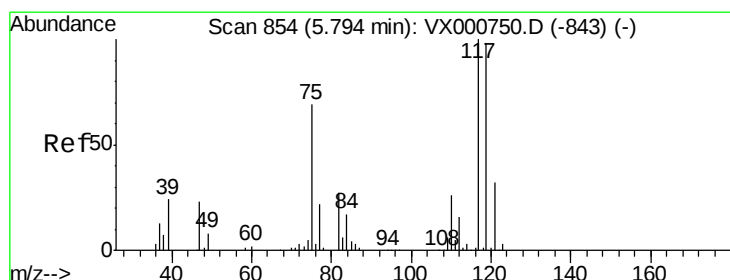
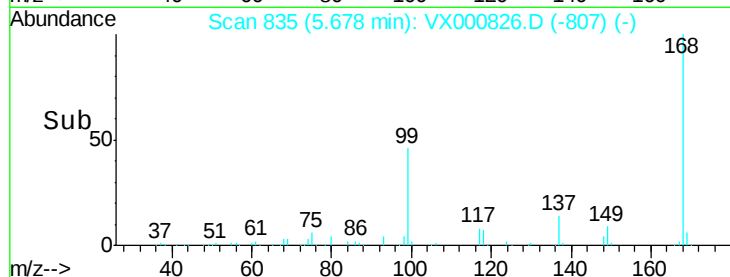
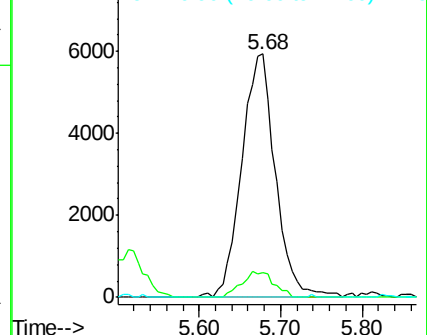
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

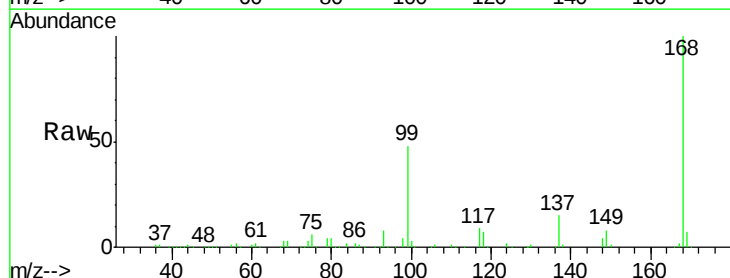
Tgt Ion: 117 Resp: 23920

Ion Ratio Lower Upper

117 100

119 5.1 78.4 117.6#

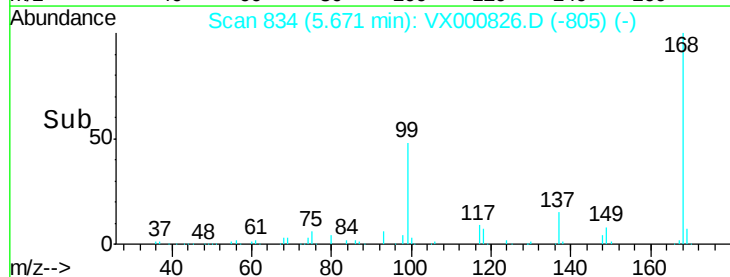
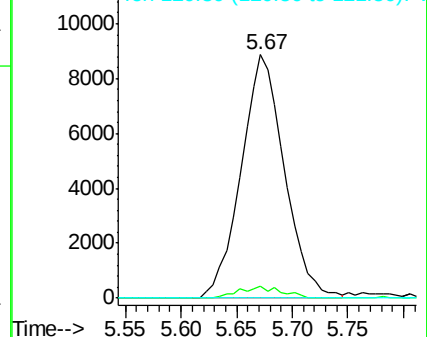
121 0.0 25.4 38.0#

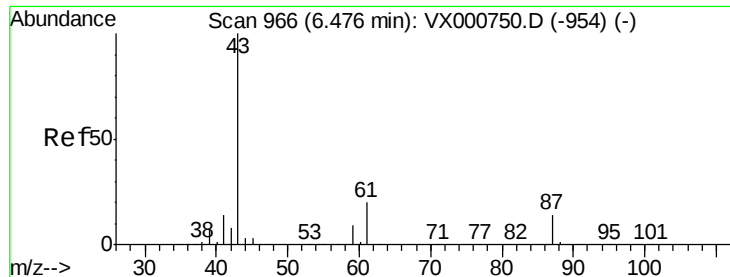


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.34 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-A

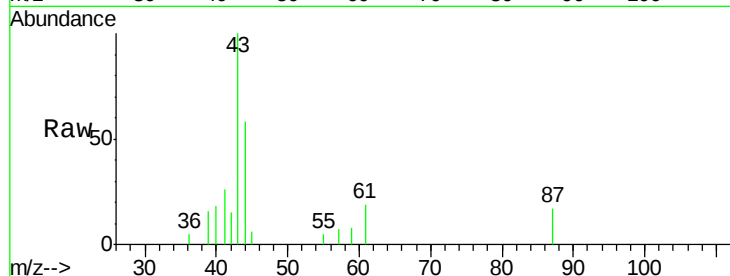
Tgt Ion: 43 Resp: 2343

Ion Ratio Lower Upper

43 100

61 17.6 15.6 23.4

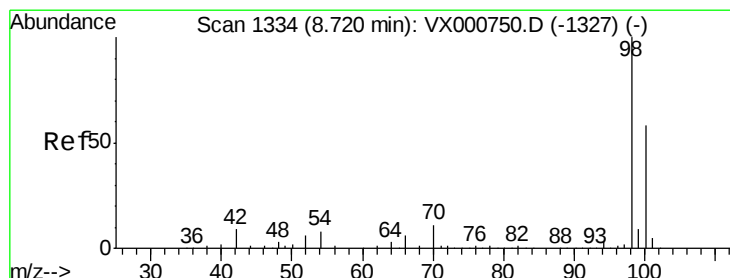
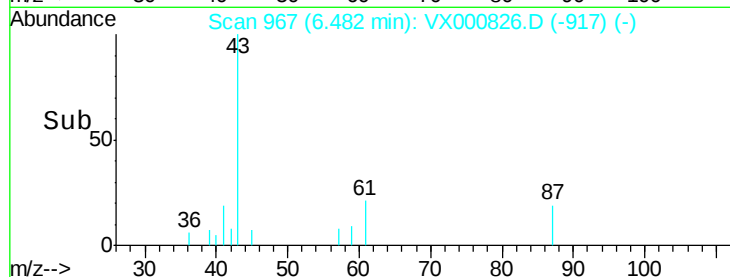
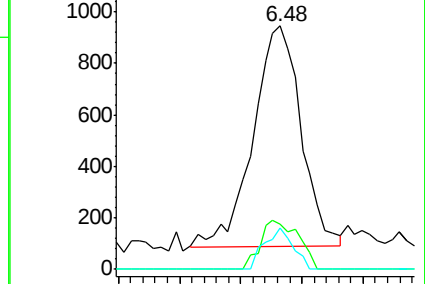
87 11.2 10.7 16.1



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: 47.58 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000826.D

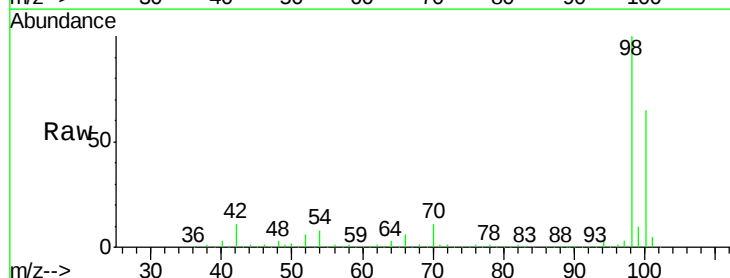
Acq: 13 Apr 2018 02:20

Tgt Ion: 98 Resp: 513368

Ion Ratio Lower Upper

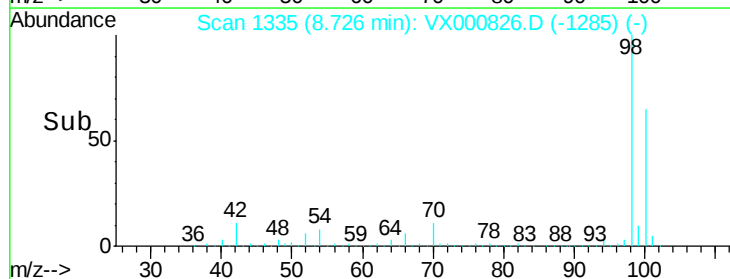
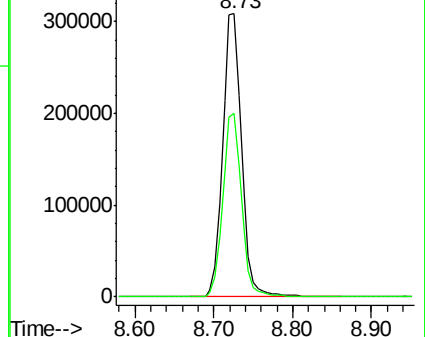
98 100

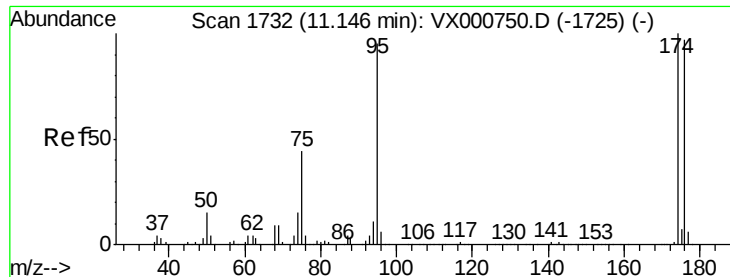
100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

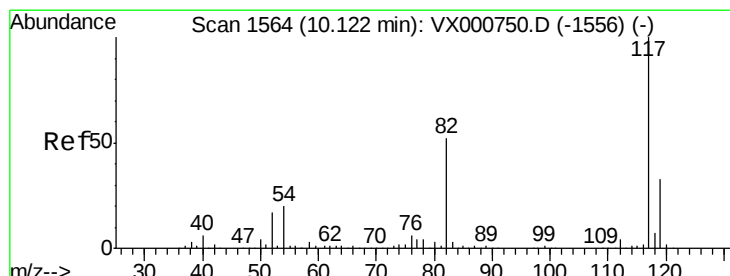
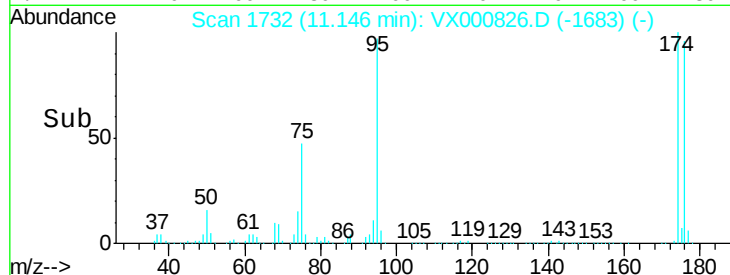
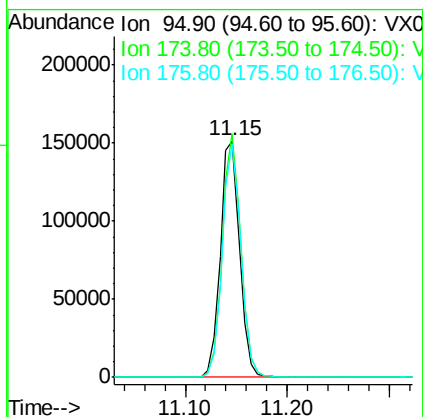
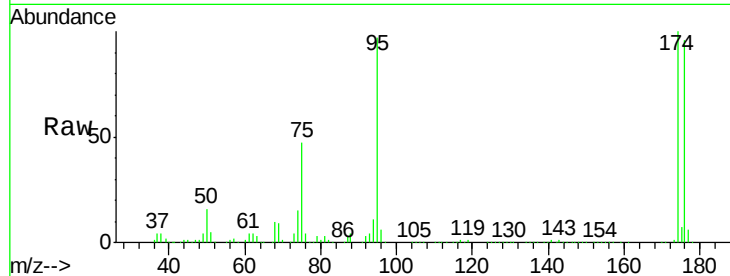




#62
 4-Bromofluorobenzene
 Concen: 45.08 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

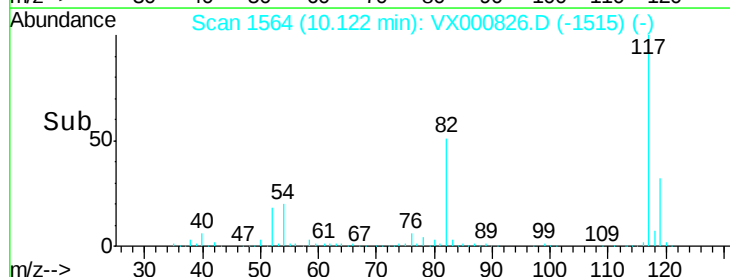
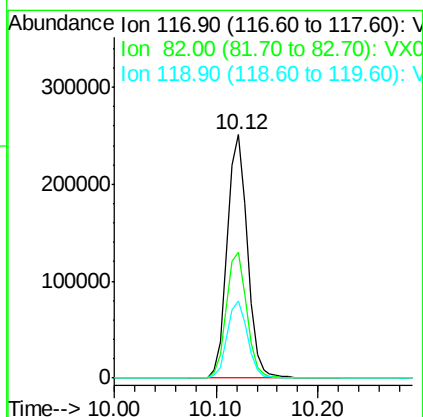
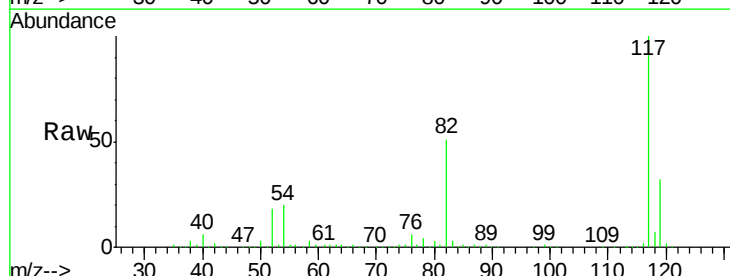
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-A

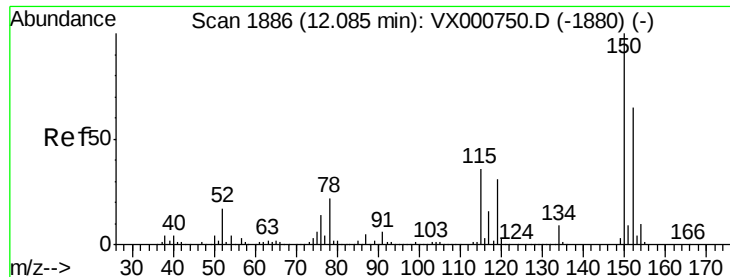
Tgt Ion: 95 Resp: 201234
 Ion Ratio Lower Upper
 95 100
 174 98.2 0.0 198.4
 176 94.9 0.0 194.4



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

Tgt Ion: 117 Resp: 342590
 Ion Ratio Lower Upper
 117 100
 82 51.5 41.9 62.9
 119 32.0 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: VX000826.D

Acq: 13 Apr 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

PL-01-041118-A

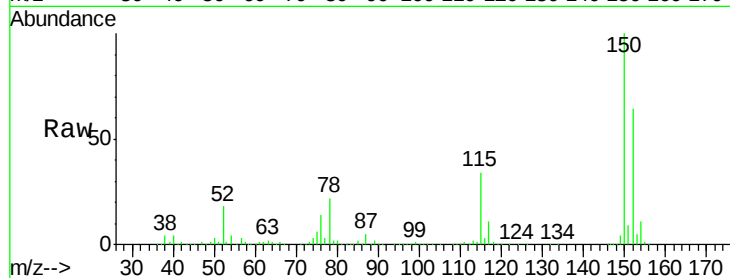
Tgt Ion:152 Resp: 220092

Ion Ratio Lower Upper

152 100

115 54.0 37.9 113.7

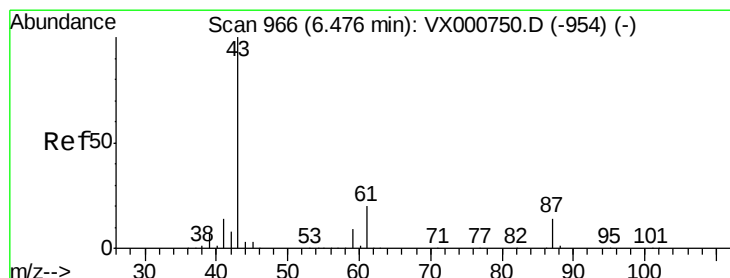
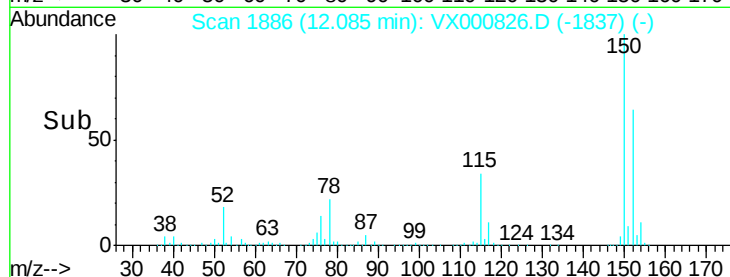
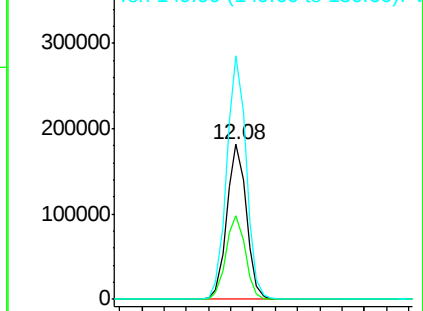
150 157.0 0.0 348.0



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: 0.37 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000826.D

Acq: 13 Apr 2018 02:20

Tgt Ion: 43 Resp: 2343

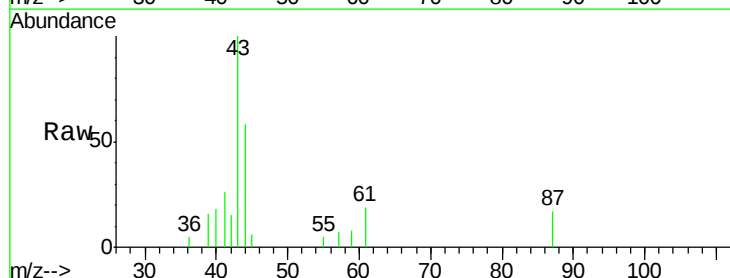
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 6.2 0.0 0.0#

61 17.6 15.6 23.4

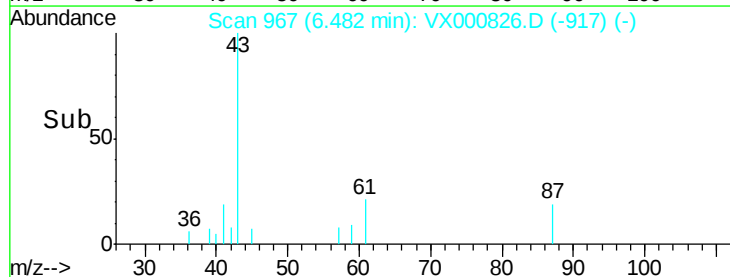
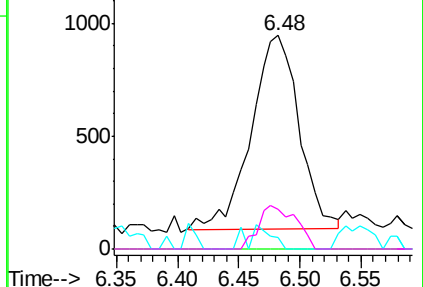


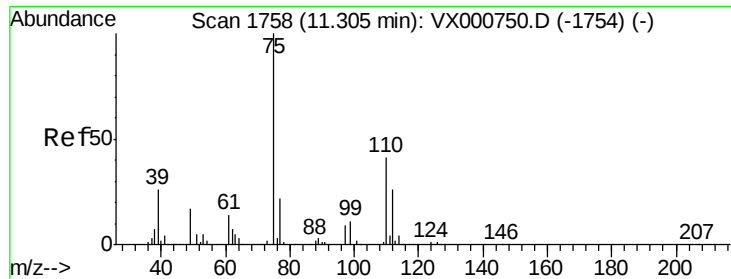
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

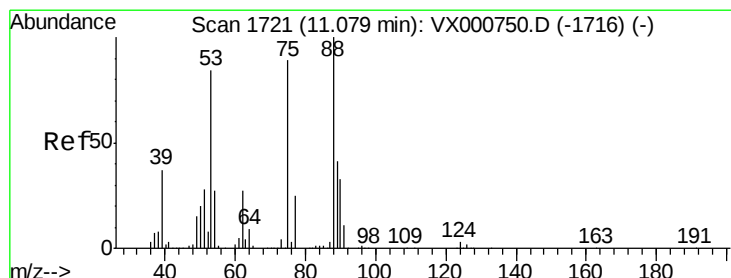
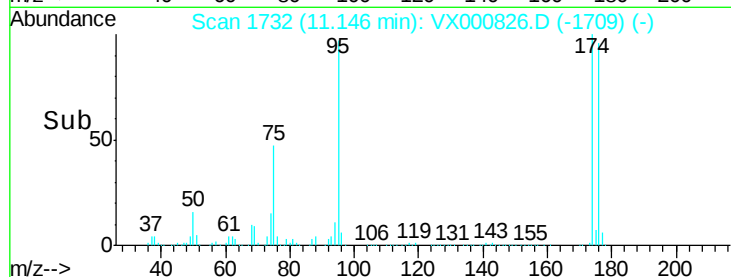
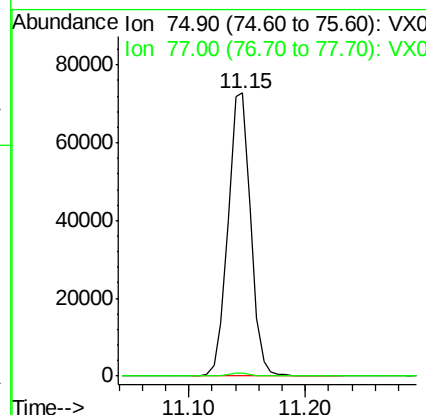
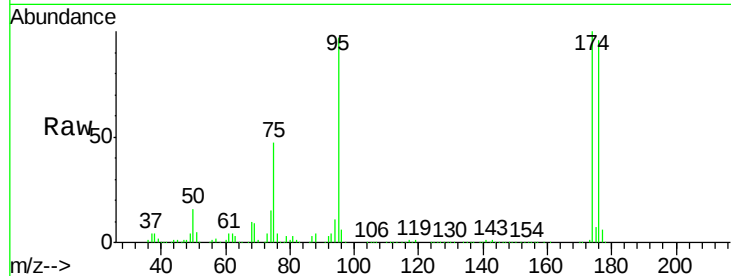




#76
 1,2,3-Trichloropropane
 Concen: 25.66 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

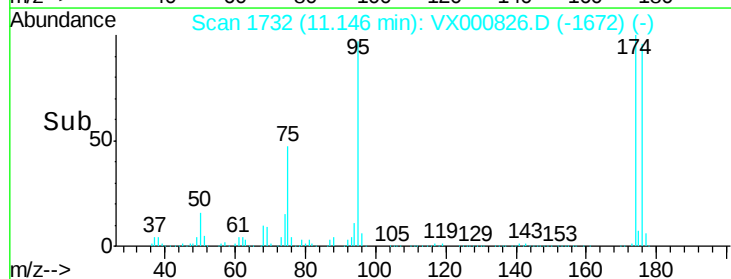
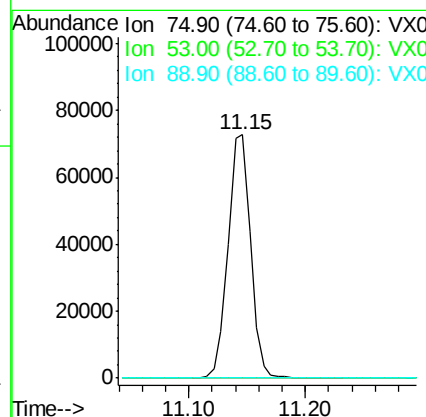
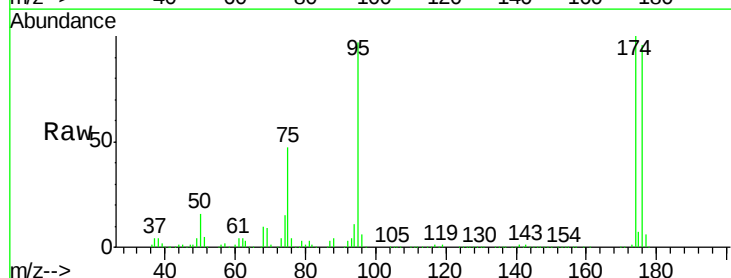
Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-A

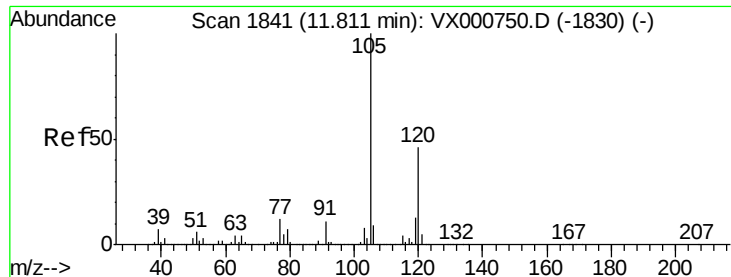
Tgt Ion: 75 Resp: 97384
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.57 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

Tgt Ion: 75 Resp: 97384
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

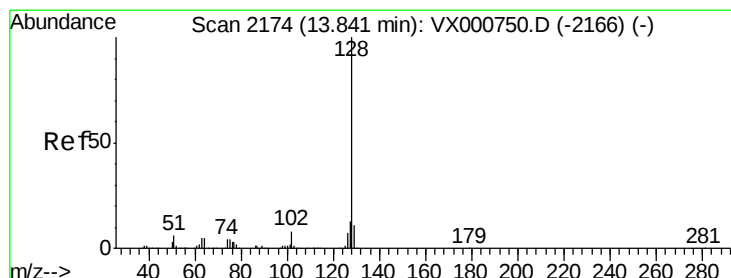
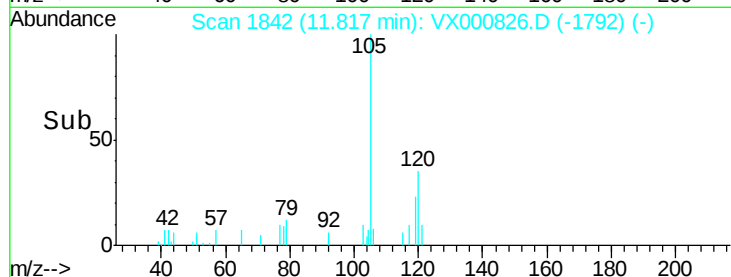
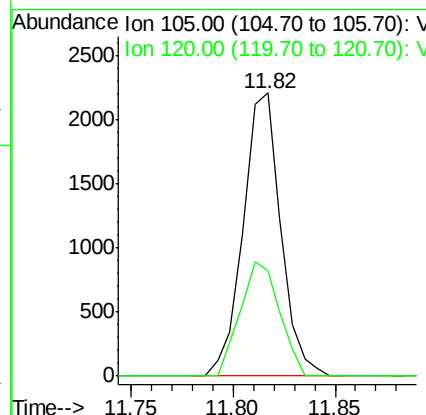
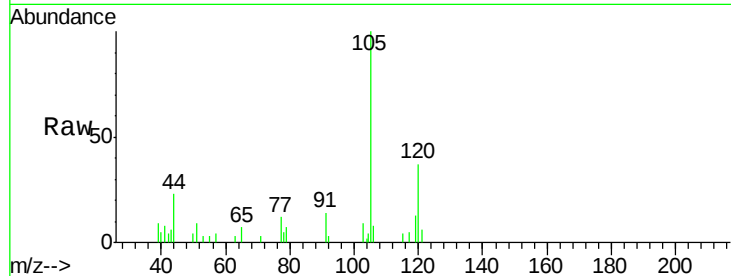




#84
 1,2,4-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 PL-01-041118-A

Tgt Ion:105 Resp: 2825
 Ion Ratio Lower Upper
 105 100
 120 42.0 23.1 69.3



#95
 Naphthalene
 Concen: 8.43 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000826.D
 Acq: 13 Apr 2018 02:20

Tgt Ion:128 Resp: 135064
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 10.9 8.7 13.1

