

Data File : VX000524.D

Acq On : 29 Mar 2018 20:14

Operator : JC/MD

Sample : J2098-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LIC-PY-FIELD-BLANK-3.27.18

Quant Time: Mar 30 06:56:32 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	115203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	207765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	215683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	84091	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	5.52	113	66329	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	8.73	98	276483	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.15	95	97350	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	504	0.34	ug/l	# 80
6) Chloroethane	1.72	64	248	Below	Cal	92
11) Tert butyl alcohol	3.09	59	2973	5.75	ug/l	# 84
13) Acrolein	2.31	56	70	14.98	ug/l	# 1
14) Allyl chloride	2.71	41	667	0.20	ug/l	# 41
16) Acetone	2.45	43	6734	5.38	ug/l	# 88
20) Methylene Chloride	2.87	84	2305	1.60	ug/l	# 78
25) 2-Butanone	4.72	43	1218	0.87	ug/l	98
29) Tetrahydrofuran	5.18	42	336	0.39	ug/l	# 48
31) Cyclohexane	5.68	56	2760	1.45	ug/l	# 7
36) 1,1-Dichloropropene	5.68	75	9127	4.69	ug/l	# 51
37) Ethyl Acetate	4.89	43	1074	0.40	ug/l	# 69
38) Carbon Tetrachloride	5.67	117	11535	5.65	ug/l	# 14
52) Toluene	8.79	92	970	0.25	ug/l	90
68) m/p-Xylenes	10.37	106	805	0.25	ug/l	95
74) N-amyl acetate	6.49	43	19	Below	Cal	# 59
76) 1,2,3-Trichloropropane	11.15	75	53411	22.11	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	53411	71.58	ug/l	# 9

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

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ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LIC-PY-FIELD-BLANK-3.27.18

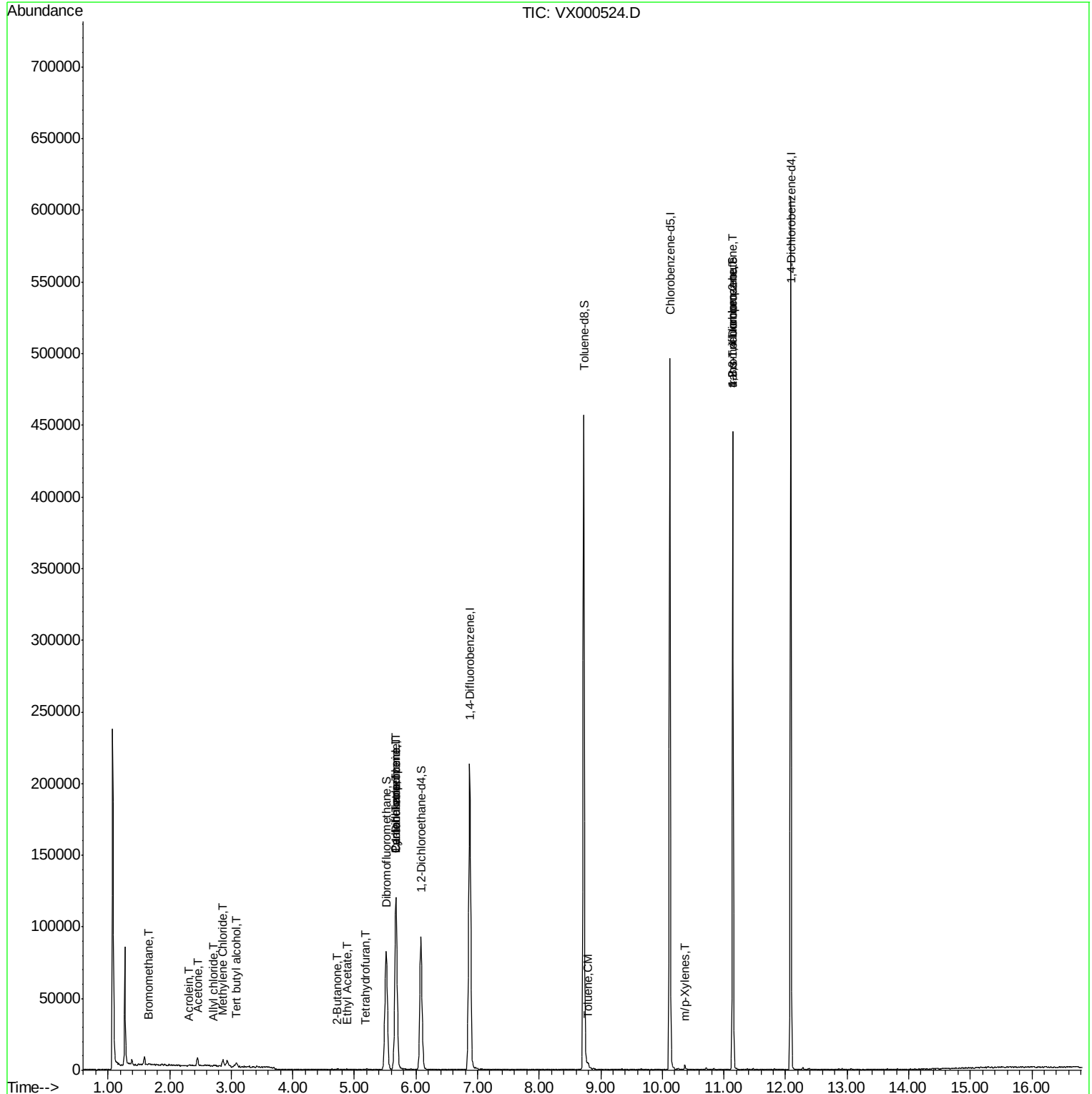
Quant Time: Mar 30 06:56:32 2018

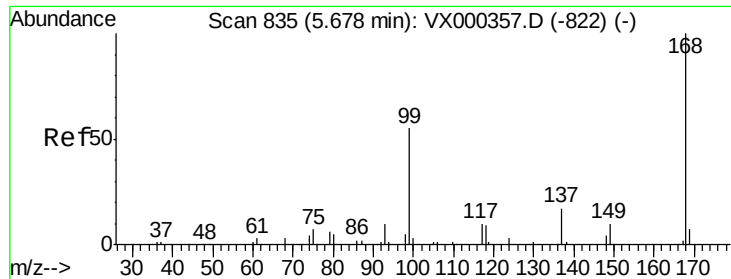
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

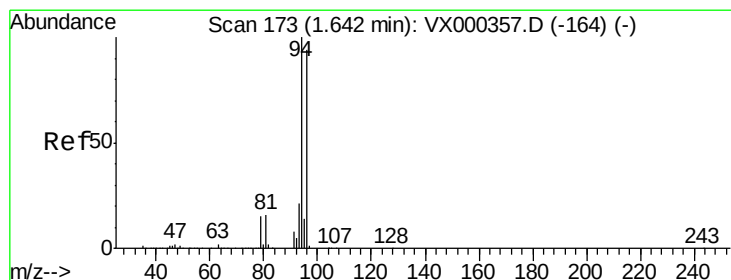
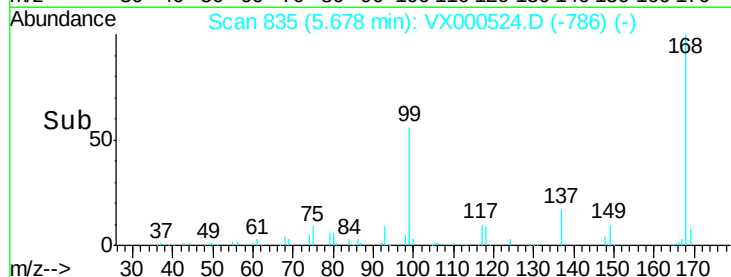
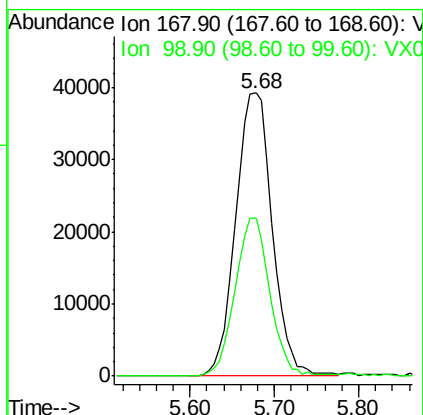
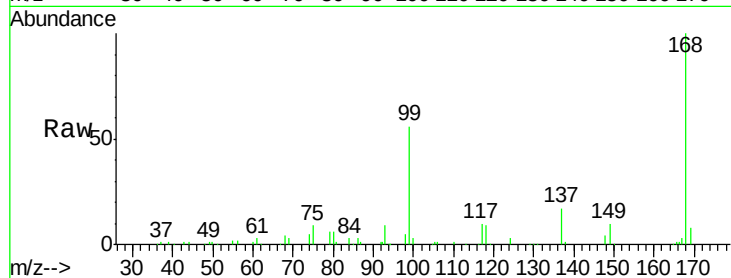




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

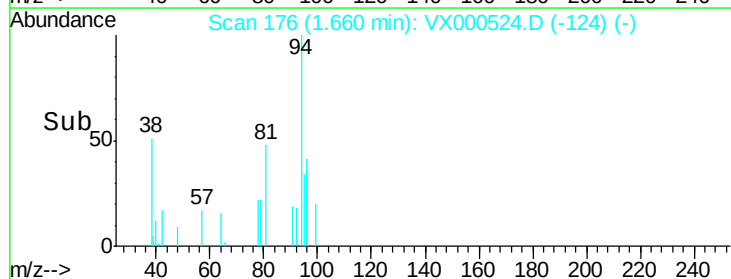
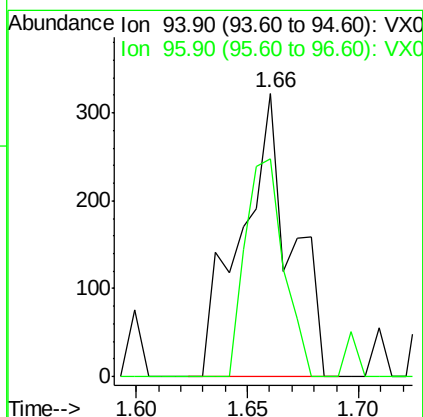
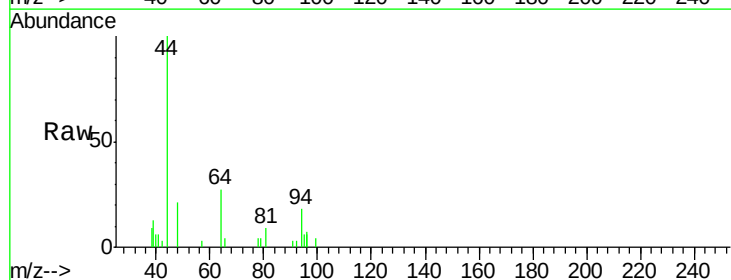
Instrument :
MSVOA_X
ClientSampleId :
LIC-PY-FIELD-BLANK-3.27.18

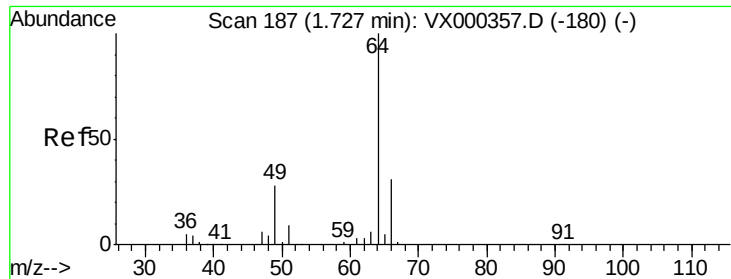
Tgt Ion:168 Resp: 115203
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#5
Bromomethane
Concen: 0.34 ug/l
RT: 1.66 min Scan# 176
Delta R.T. 0.02 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 77.0 77.7 116.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

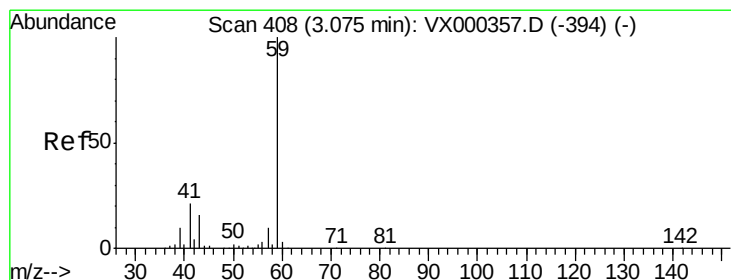
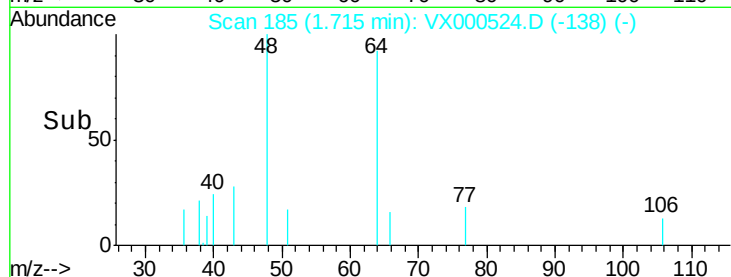
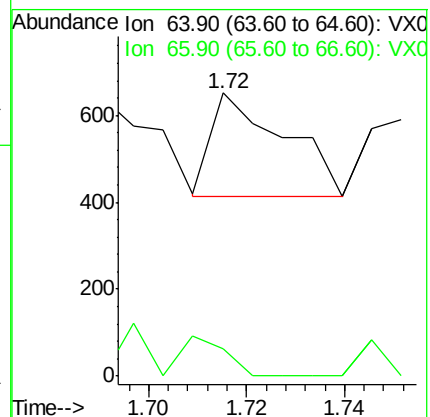
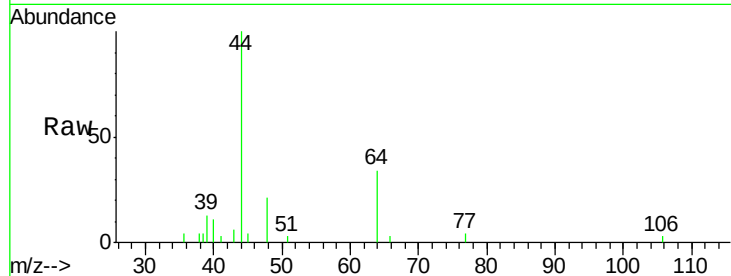
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 64 Resp: 248

Ion Ratio Lower Upper

64 100

66 26.4 24.8 37.2



#11

Tert butyl alcohol

Concen: 5.75 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX000524.D

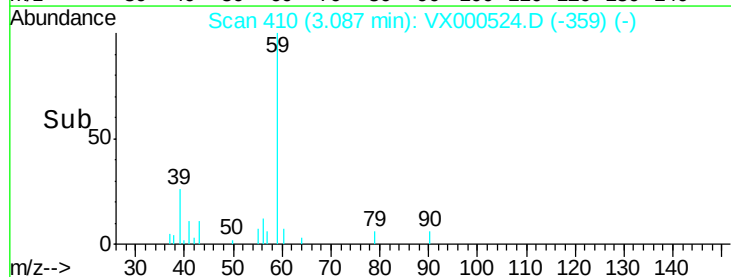
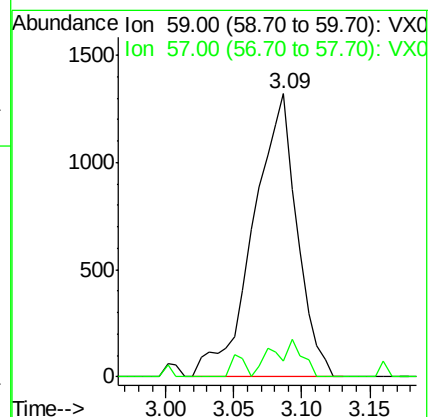
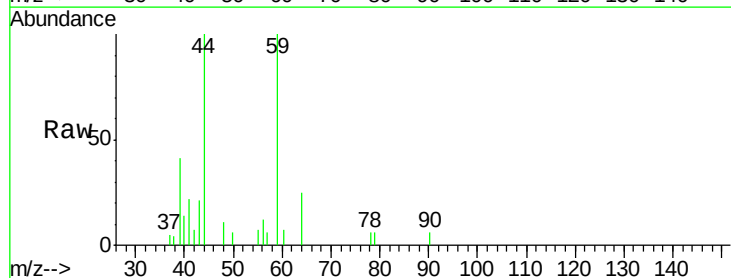
Acq: 29 Mar 2018 20:14

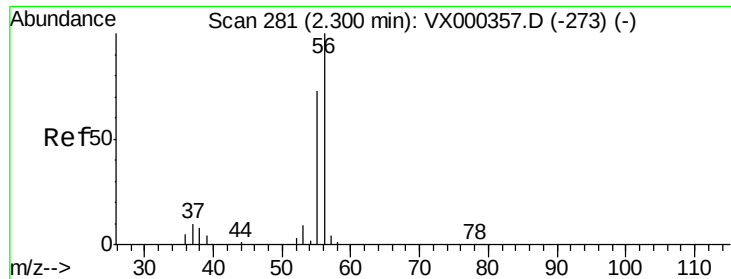
Tgt Ion: 59 Resp: 2973

Ion Ratio Lower Upper

59 100

57 4.4 8.4 12.6#





#13

Acrolein

Concen: 14.98 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

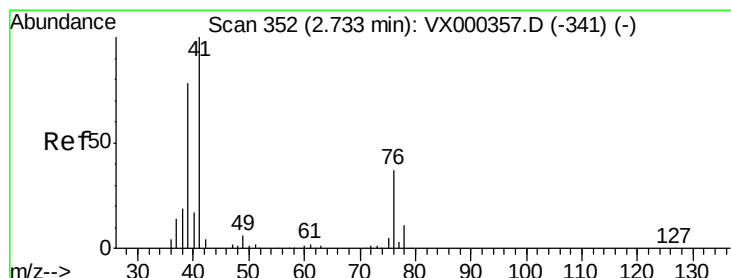
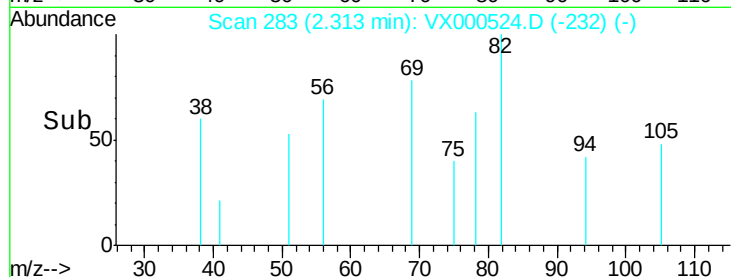
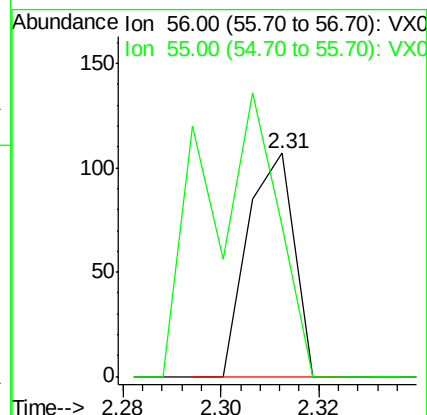
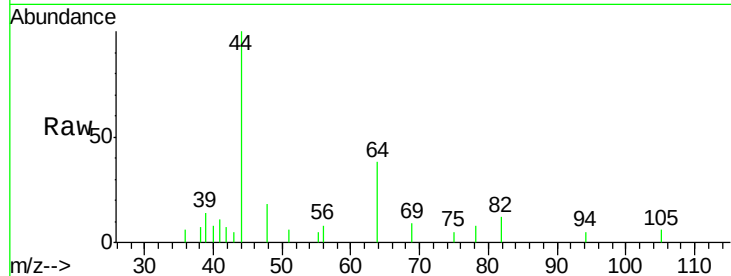
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 200.0 58.8 88.2#



#14

Allyl chloride

Concen: 0.20 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

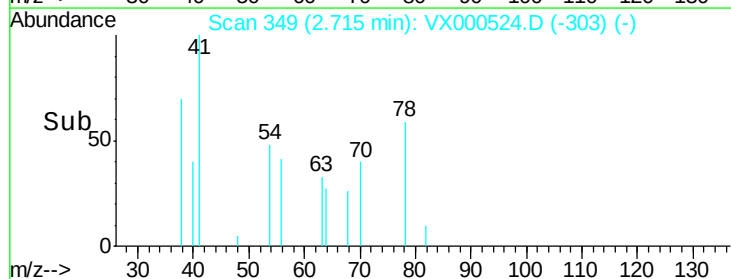
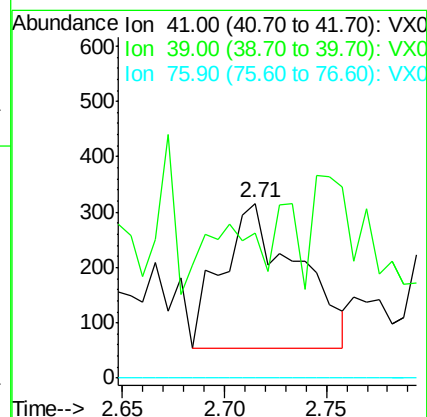
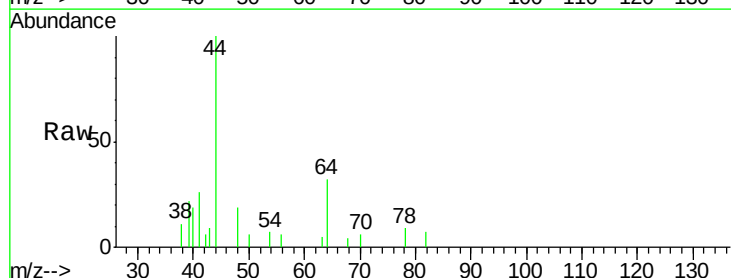
Tgt Ion: 41 Resp: 667

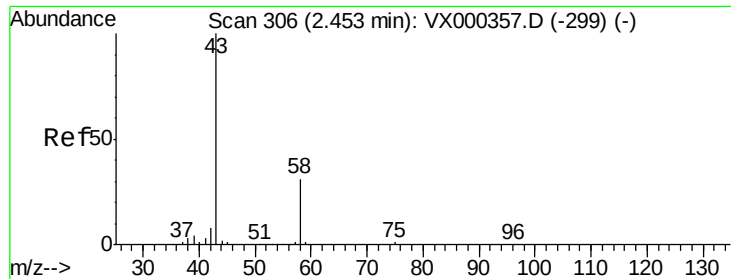
Ion Ratio Lower Upper

41 100

39 23.4 57.6 86.4#

76 0.0 27.3 40.9#





#16

Acetone

Concen: 5.38 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

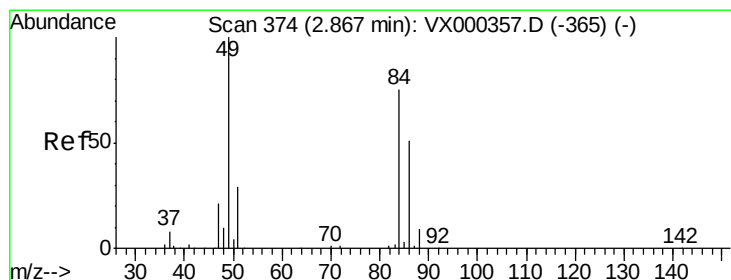
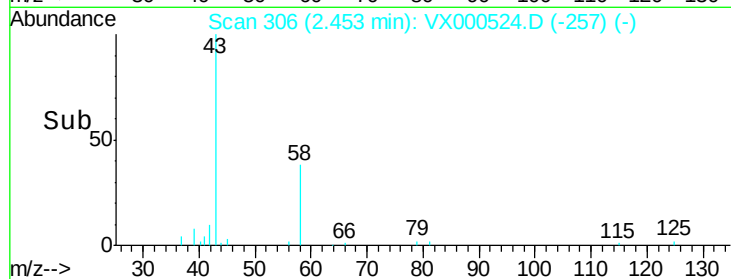
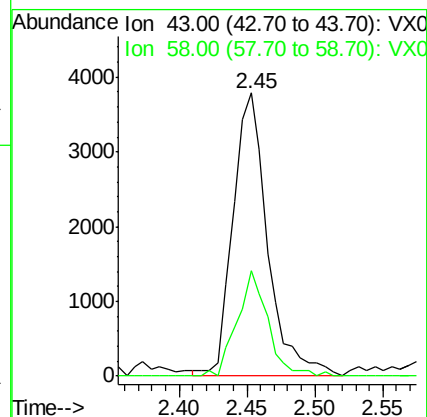
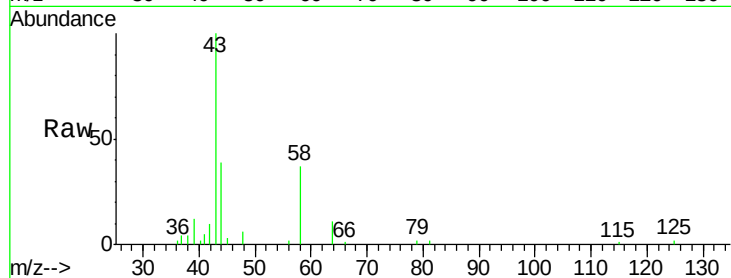
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 43 Resp: 6734

Ion Ratio Lower Upper

43 100

58 37.3 24.7 37.1#



#20

Methylene Chloride

Concen: 1.60 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Tgt Ion: 84 Resp: 2305

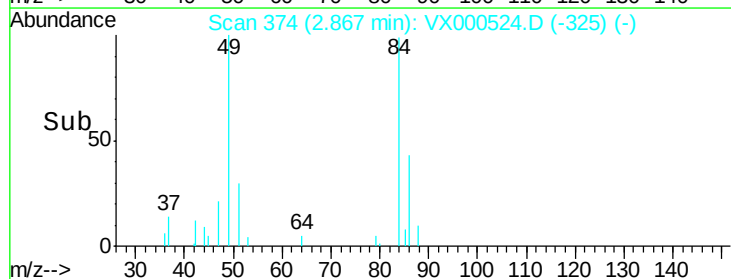
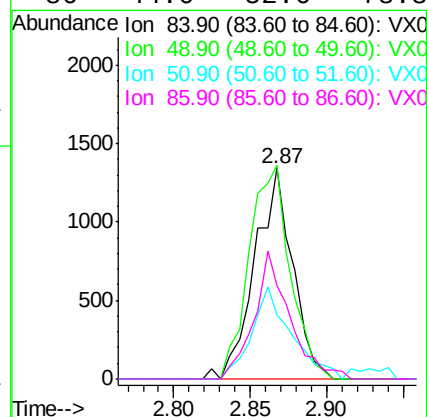
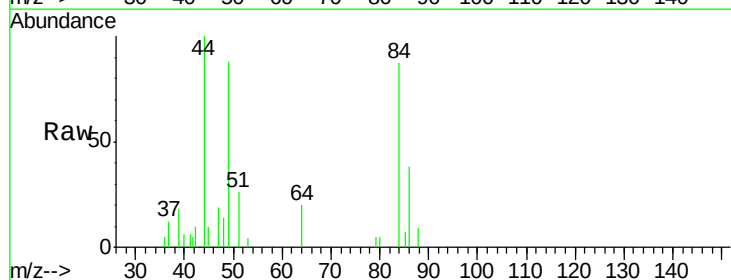
Ion Ratio Lower Upper

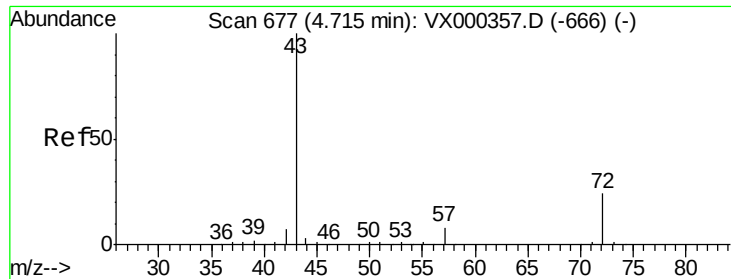
84 100

49 101.3 100.6 151.0

51 30.4 31.6 47.4#

86 44.0 52.6 78.8#





#25

2-Butanone

Concen: 0.87 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

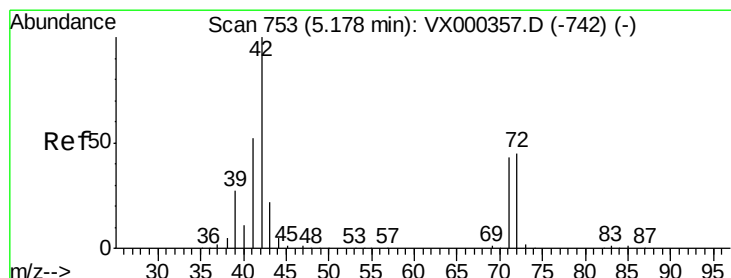
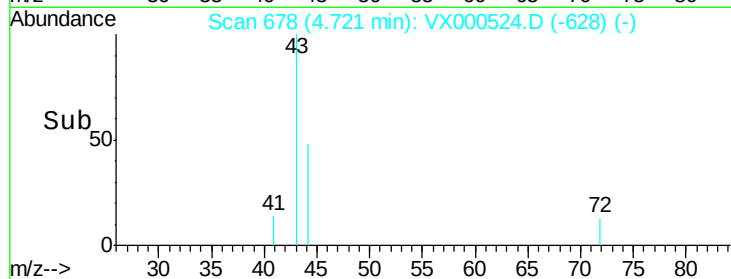
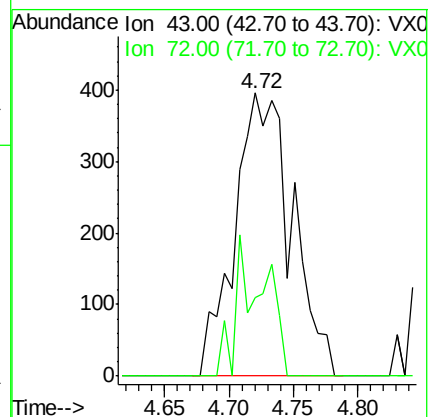
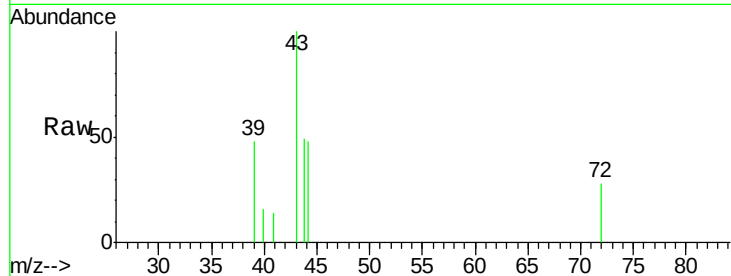
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

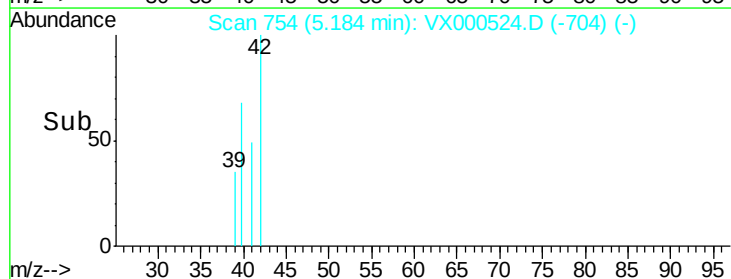
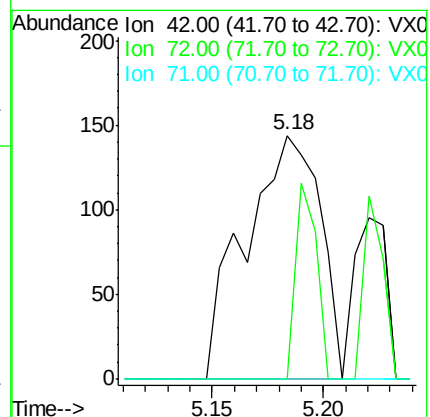
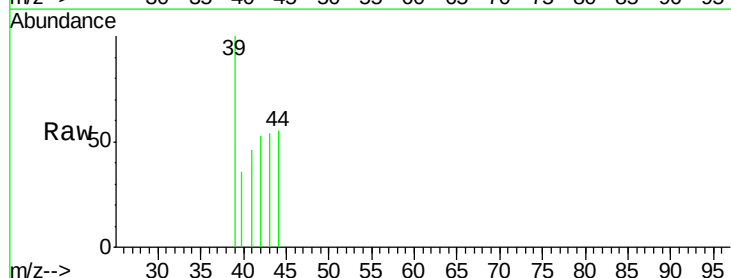
Tgt Ion: 42 Resp: 336

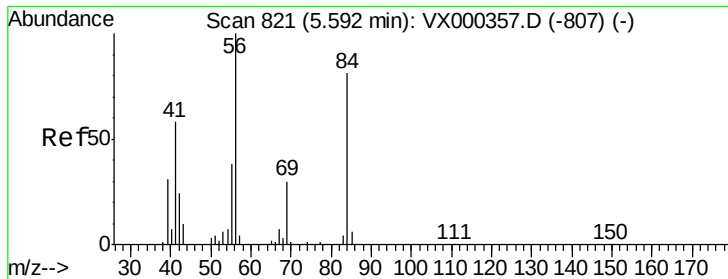
Ion Ratio Lower Upper

42 100

72 22.0 37.9 56.9#

71 0.0 34.4 51.6#

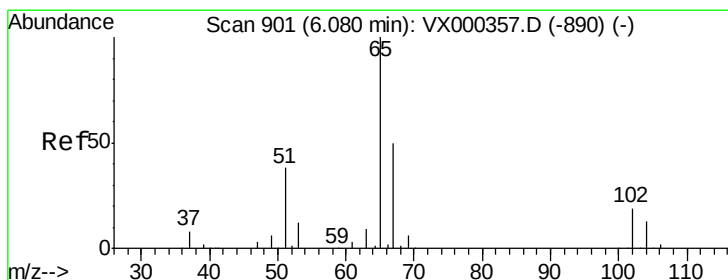
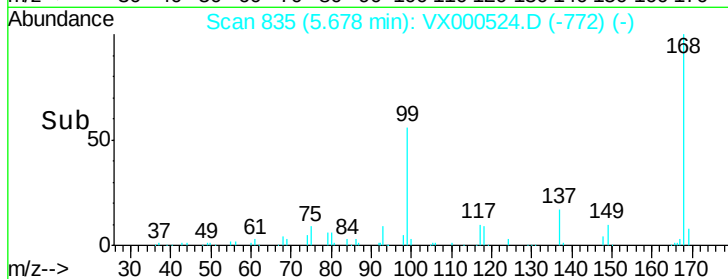
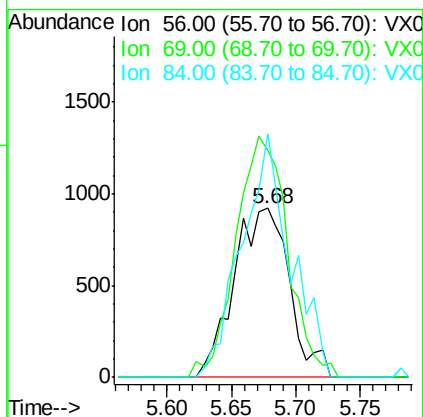
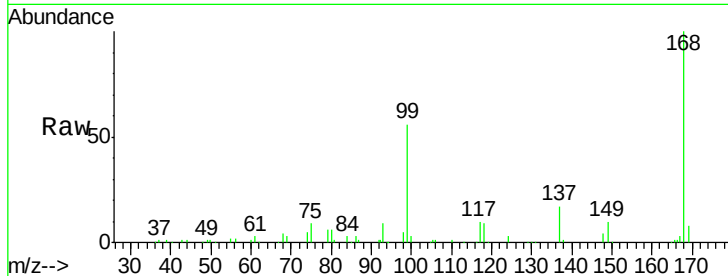




#31
Cyclohexane
Concen: 1.45 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

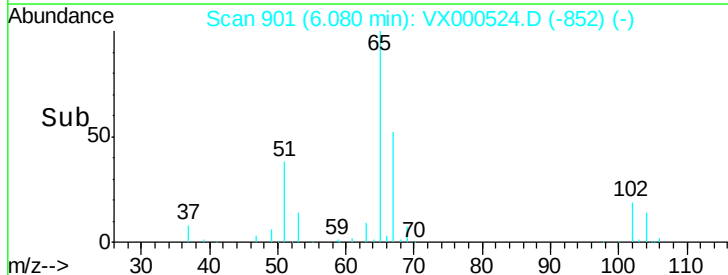
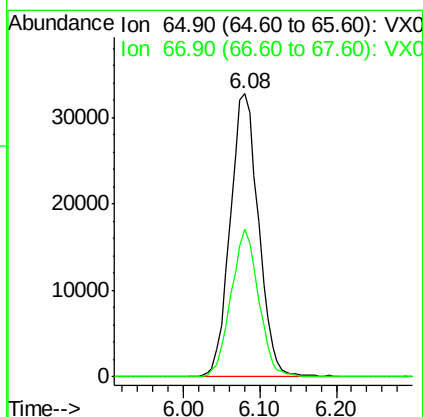
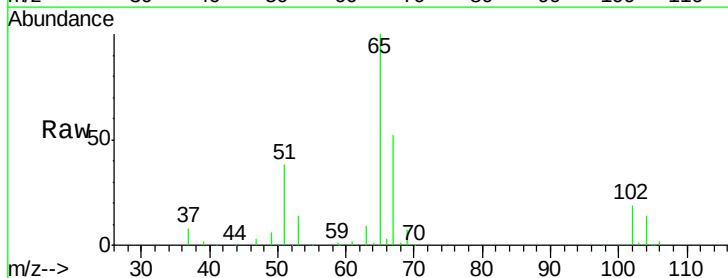
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LIC-PY-FIELD-BLANK-3.27.18

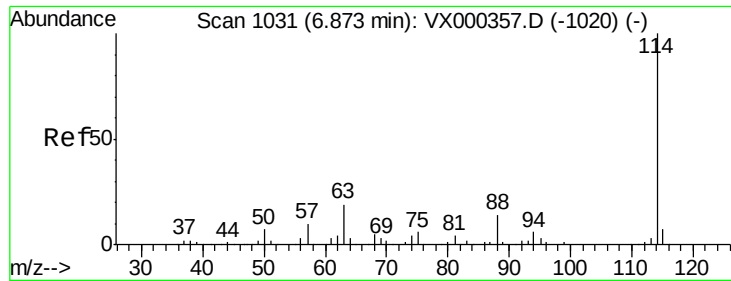
Tgt Ion: 56 Resp: 2760
Ion Ratio Lower Upper
56 100
69 134.6 23.4 35.0#
84 144.1 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 55.92 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

Tgt Ion: 65 Resp: 84091
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.2

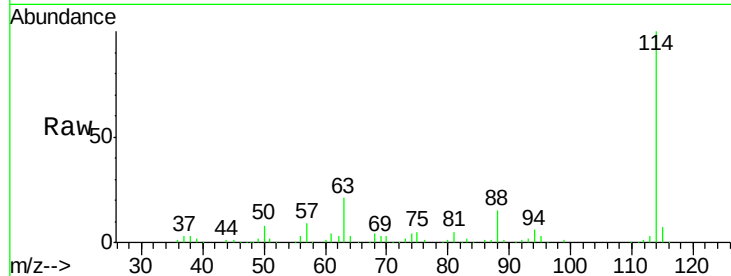




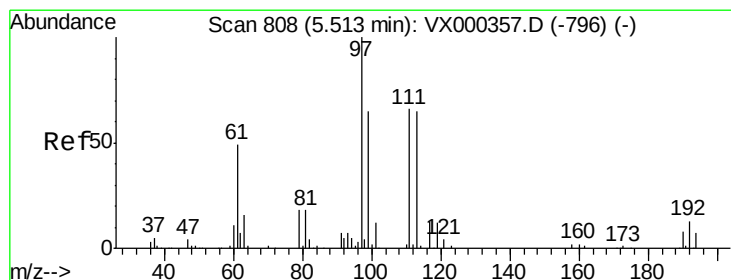
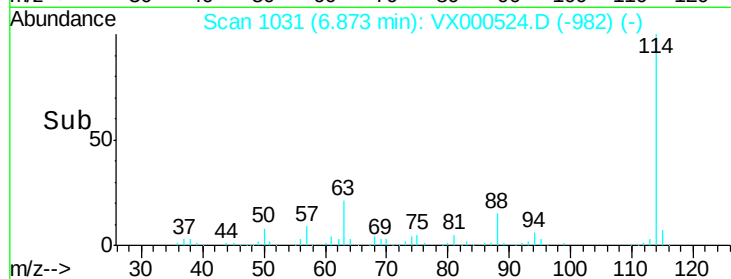
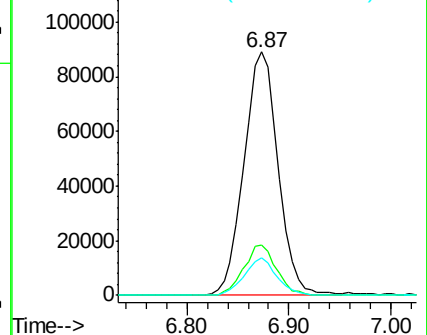
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion:114 Resp: 207765
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.4
 88 15.2 0.0 27.0

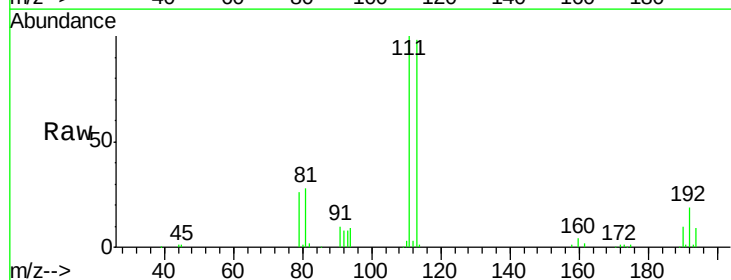


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

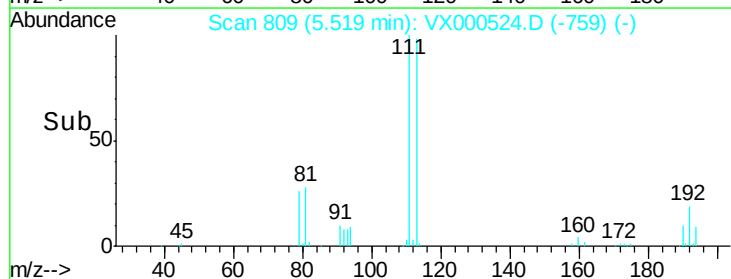
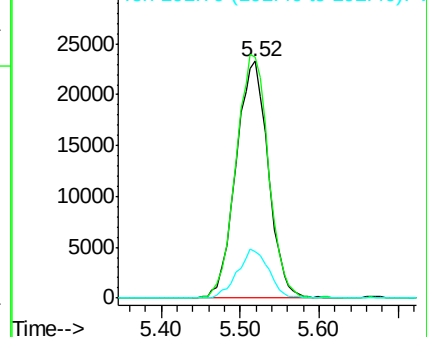


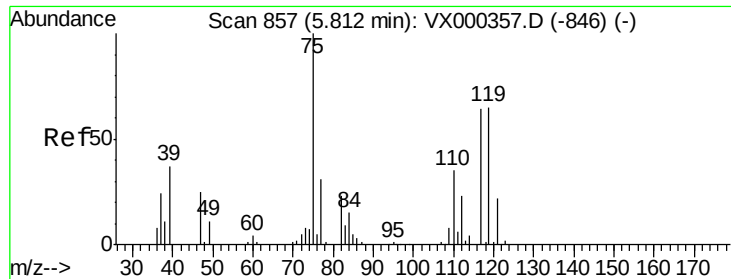
#35
 Dibromofluoromethane
 Concen: 50.67 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

Tgt Ion:113 Resp: 66329
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.4 123.6
 192 20.0 15.8 23.6



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

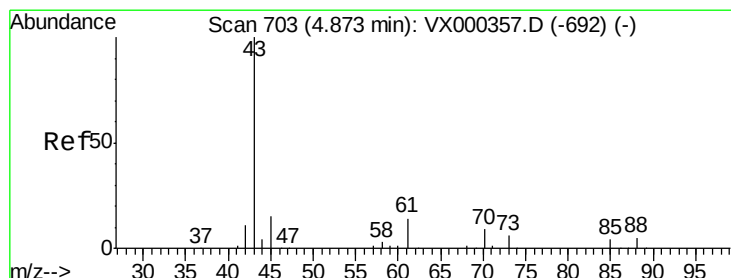
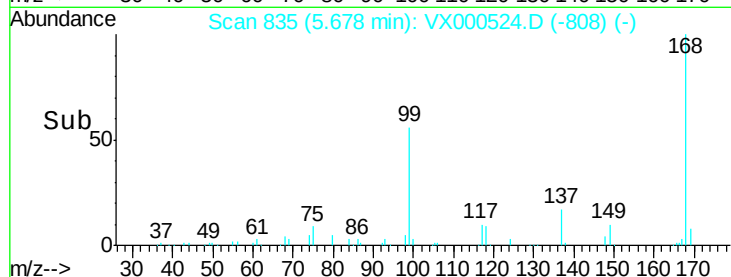
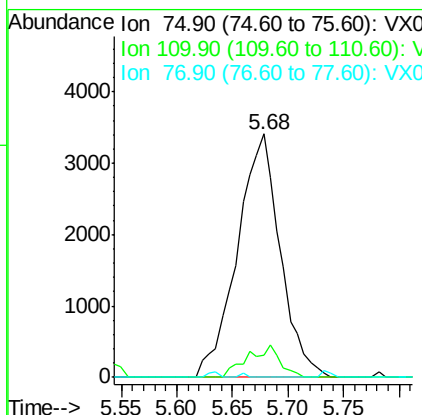
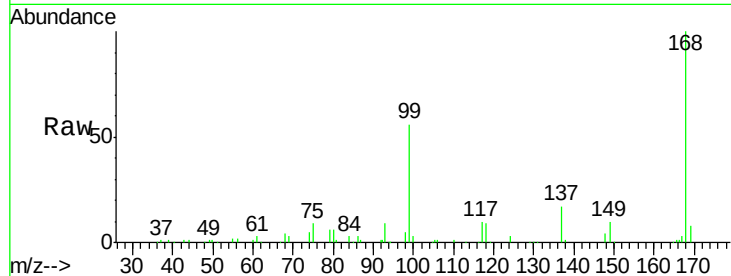




#36
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

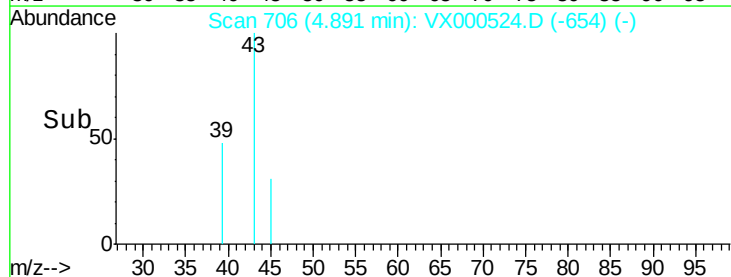
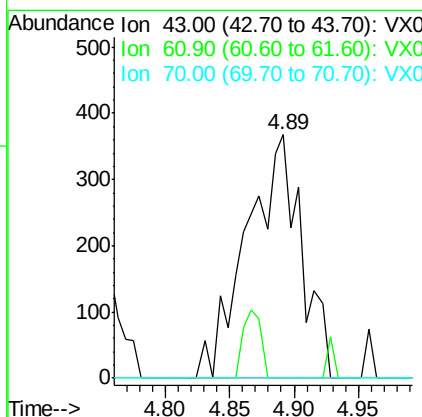
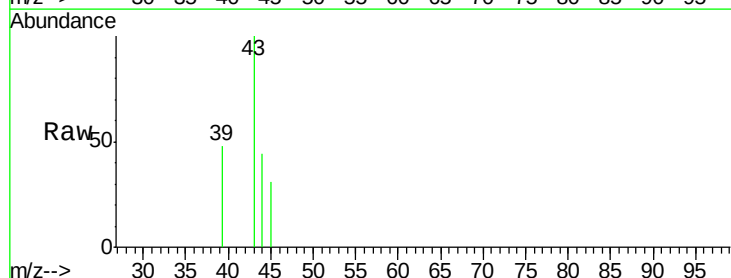
Instrument :
 MSVOA_X
 ClientSampleId :
 LIC-PY-FIELD-BLANK-3.27.18

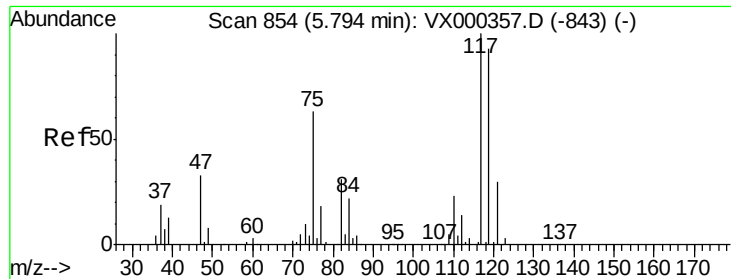
Tgt Ion: 75 Resp: 9127
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.9 53.7#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.40 ug/l
 RT: 4.89 min Scan# 706
 Delta R.T. 0.02 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

Tgt Ion: 43 Resp: 1074
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.65 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

LIC-PY-FIELD-BLANK-3.27.18

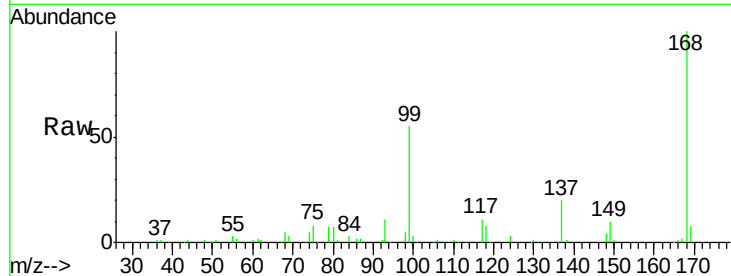
Tgt Ion:117 Resp: 11535

Ion Ratio Lower Upper

117 100

119 2.9 77.4 116.2#

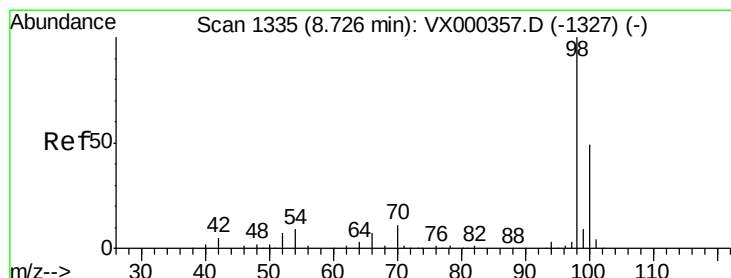
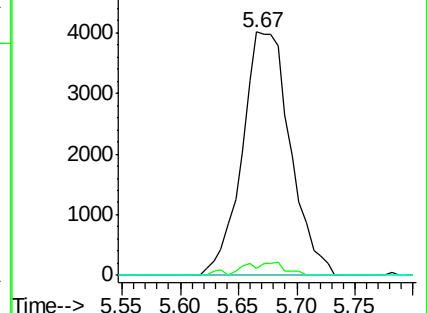
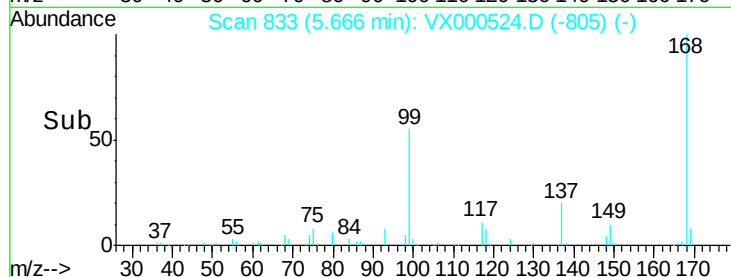
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 50.99 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000524.D

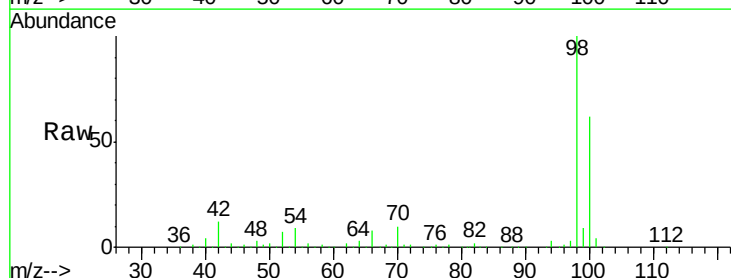
Acq: 29 Mar 2018 20:14

Tgt Ion: 98 Resp: 276483

Ion Ratio Lower Upper

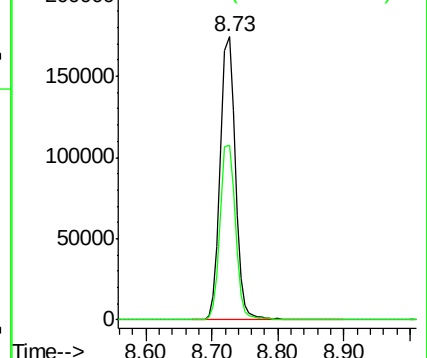
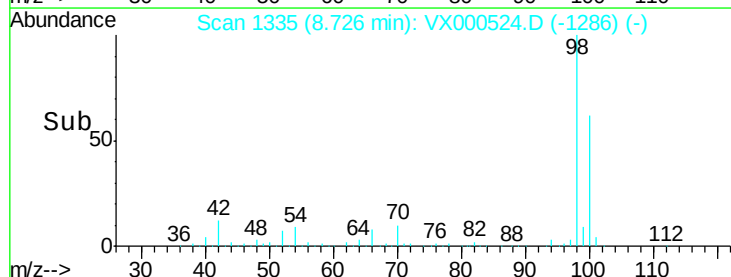
98 100

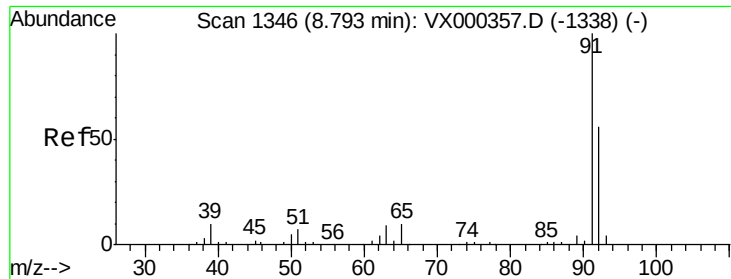
100 62.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.25 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

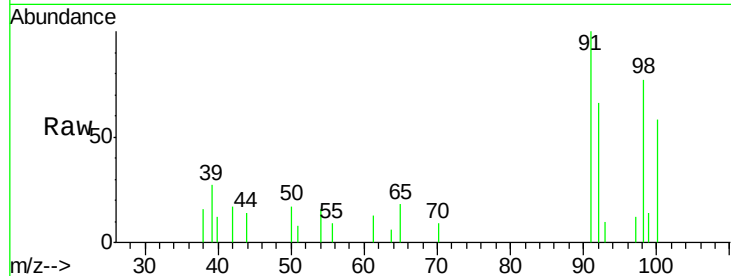
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 92 Resp: 970

Ion Ratio Lower Upper

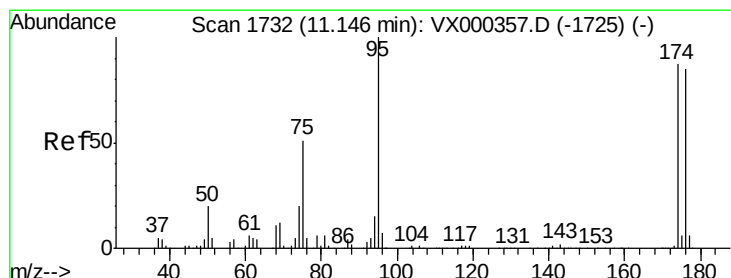
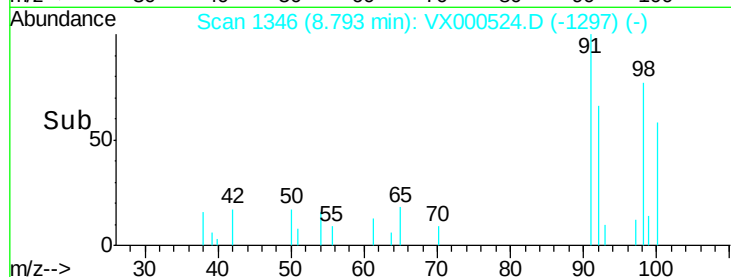
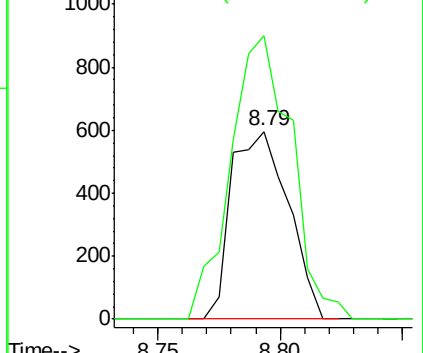
92 100

91 160.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

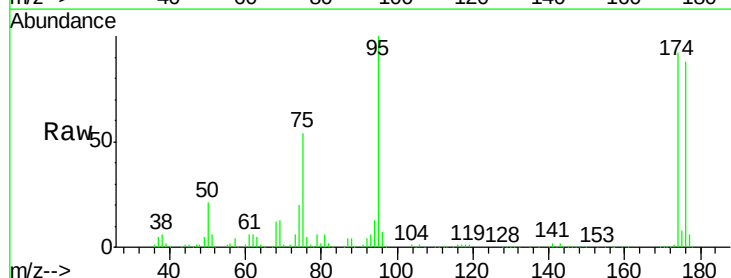
Tgt Ion: 95 Resp: 97350

Ion Ratio Lower Upper

95 100

174 90.0 0.0 173.6

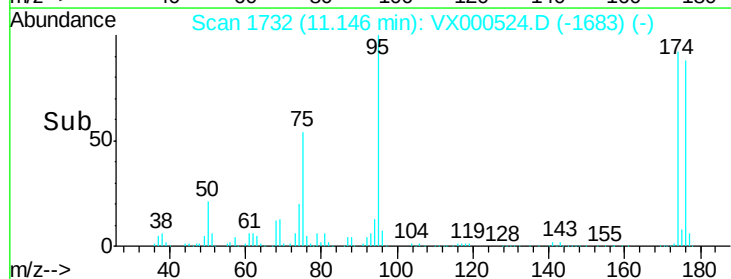
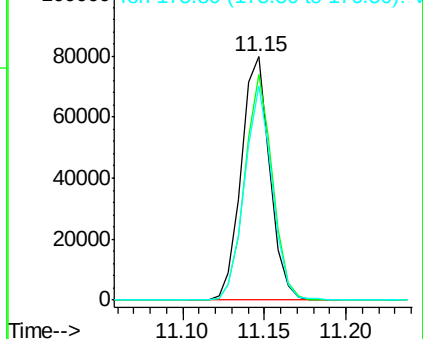
176 85.6 0.0 164.6

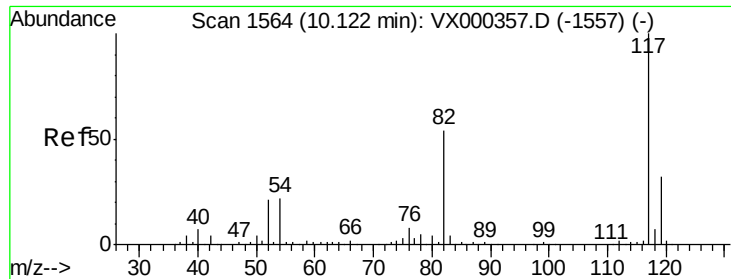


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

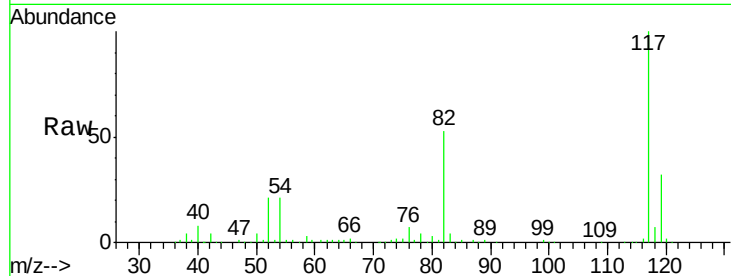




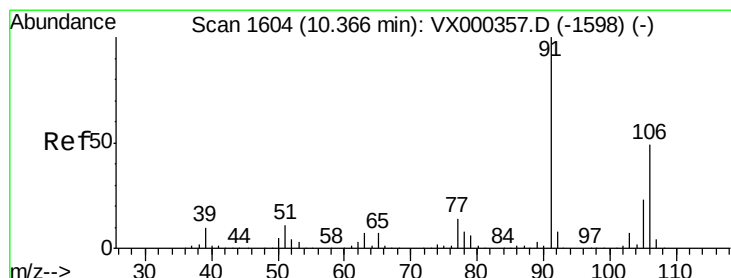
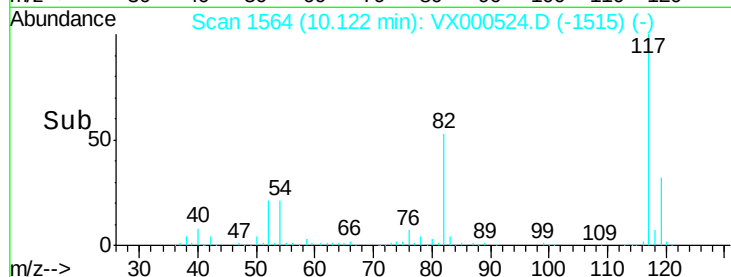
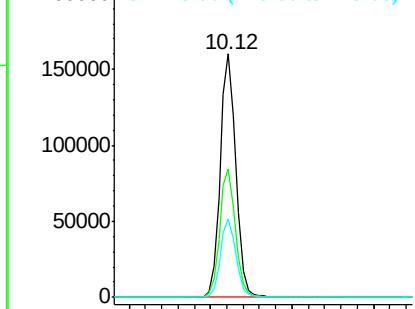
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion:117 Resp: 215683
Ion Ratio Lower Upper
117 100
82 52.9 43.8 65.8
119 32.1 24.9 37.3

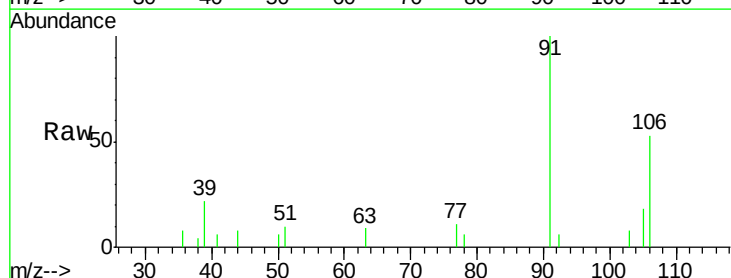


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

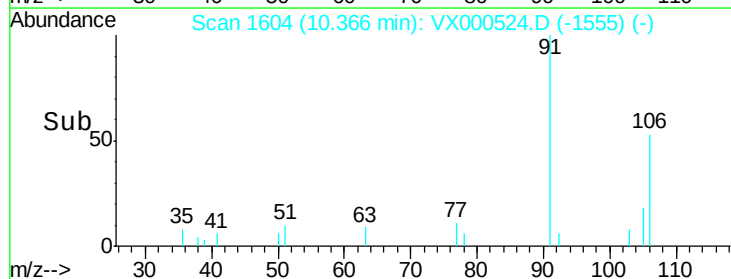
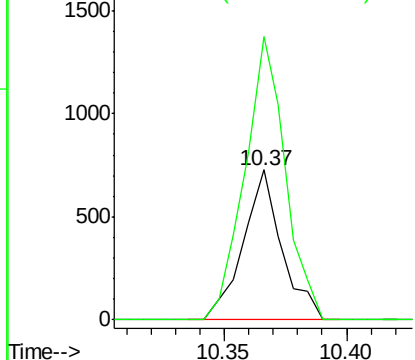


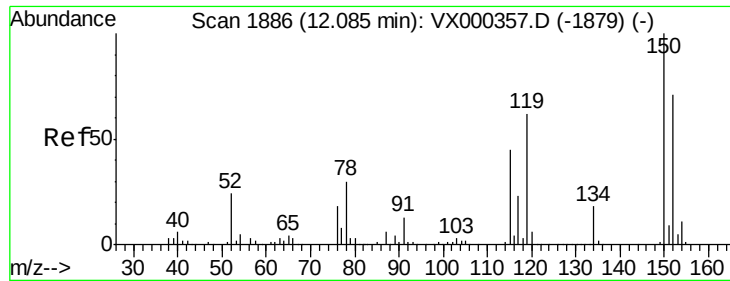
#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000524.D
Acq: 29 Mar 2018 20:14

Tgt Ion:106 Resp: 805
Ion Ratio Lower Upper
106 100
91 196.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

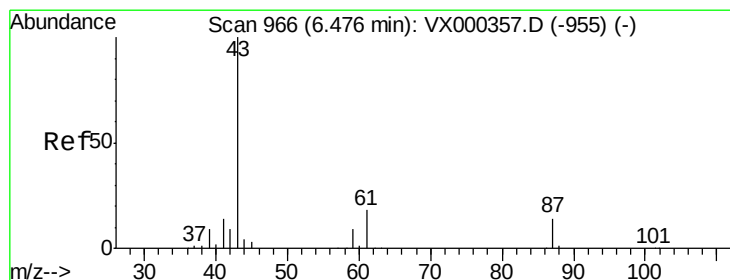
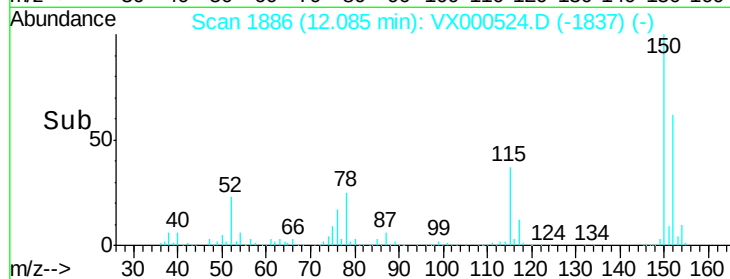
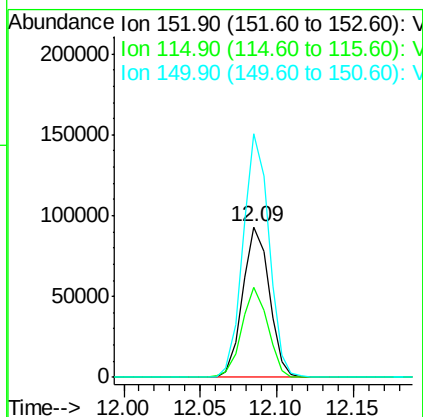
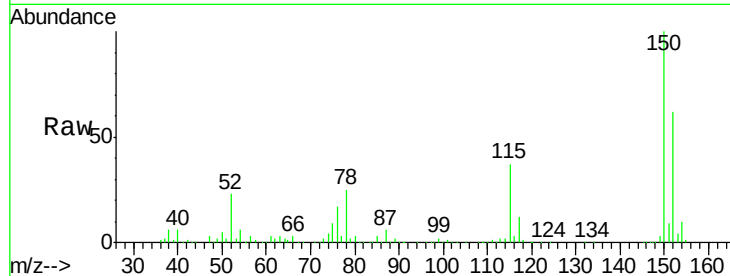




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

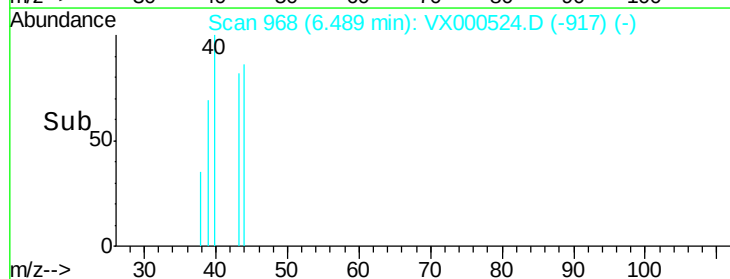
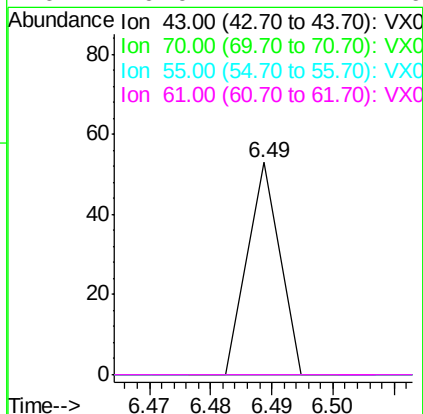
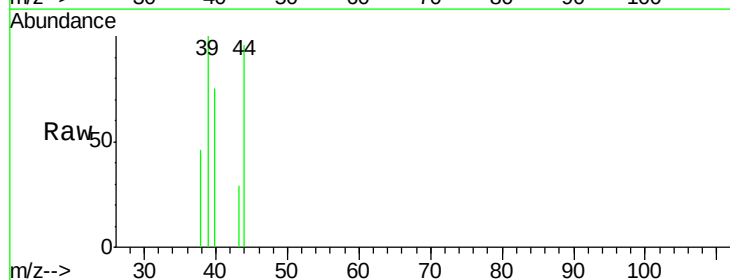
Instrument :
 MSVOA_X
 ClientSampleId :
 LIC-PY-FIELD-BLANK-3.27.18

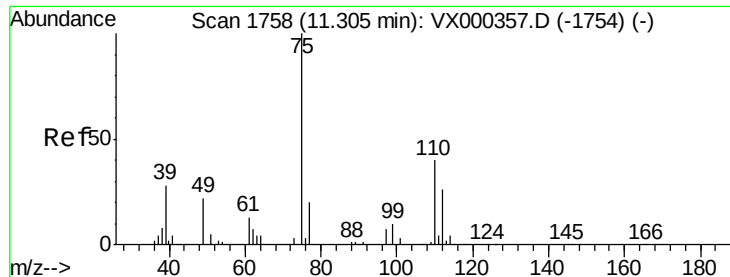
Tgt Ion:152 Resp: 112402
 Ion Ratio Lower Upper
 152 100
 115 58.6 39.8 119.3
 150 158.1 0.0 344.4



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000524.D
 Acq: 29 Mar 2018 20:14

Tgt Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 70 0.0 0.0 0.0
 55 0.0 0.0 0.0
 61 0.0 14.4 21.6#





#76

1,2,3-Trichloropropane

Concen: 22.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

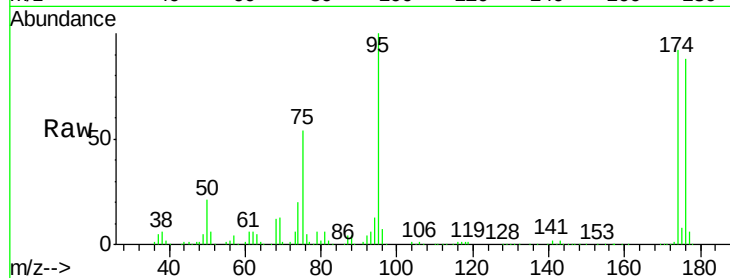
LIC-PY-FIELD-BLANK-3.27.18

Tgt Ion: 75 Resp: 53411

Ion Ratio Lower Upper

75 100

77 1.6 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

40000

30000

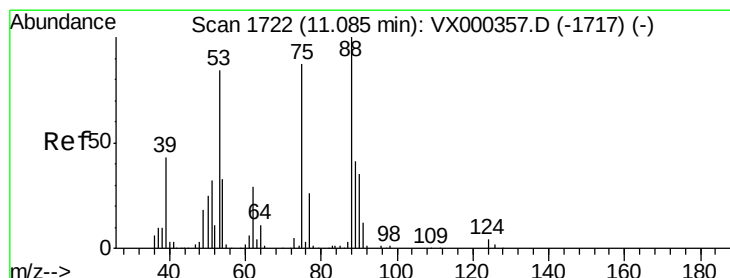
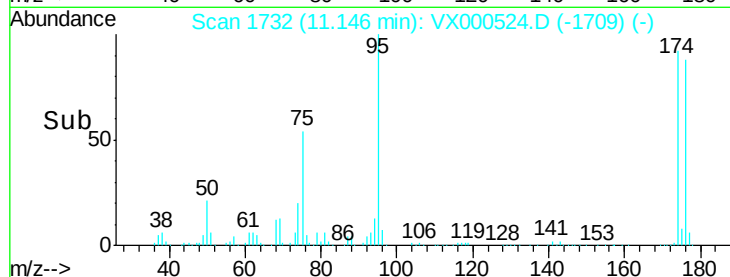
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 71.58 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000524.D

Acq: 29 Mar 2018 20:14

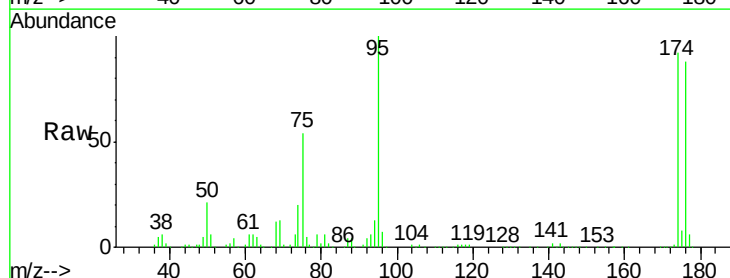
Tgt Ion: 75 Resp: 53411

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 39.4 59.0#



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

11.15

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.15 11.20

