

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040318\
 Data File : VX000654.D
 Acq On : 03 Apr 2018 15:09
 Operator : JC/MD
 Sample : J2137-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0318-S-TCLP-64-1

Quant Time: Apr 04 02:56:41 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	5.67	168	123452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	205510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	206554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112646	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	81693	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.51	113	62427	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	8.73	98	257842	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.15	95	90623	41.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.46%	

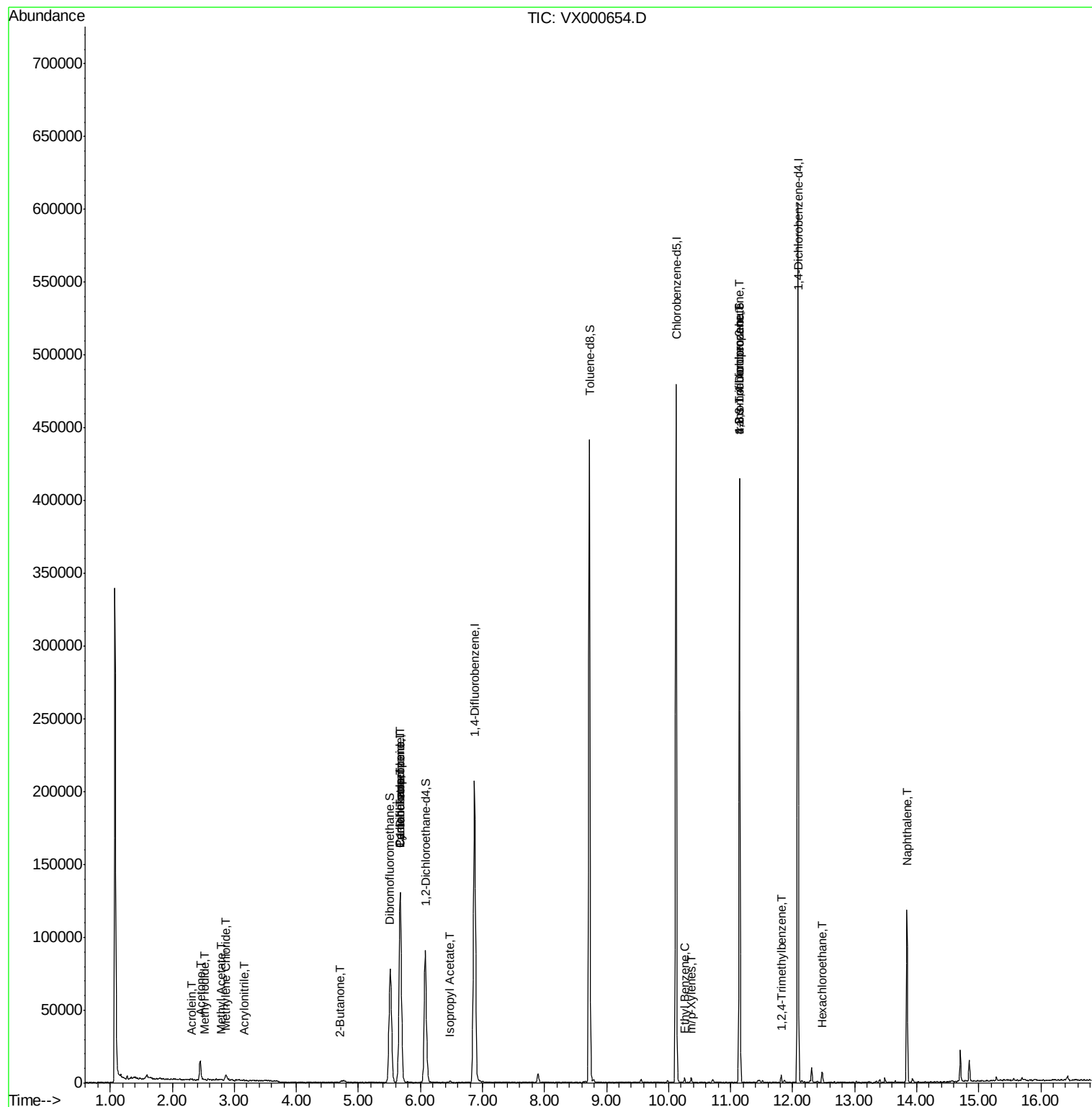
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	282	Below Cal	#	44
10) Methyl Iodide	2.52	142	93	4.33	ug/l #	68
13) Acrolein	2.31	56	20	14.68	ug/l #	74
15) Acrylonitrile	3.15	53	251	0.22	ug/l #	63
16) Acetone	2.45	43	14727	10.99	ug/l	99
18) Methyl Acetate	2.79	43	590	0.21	ug/l #	51
20) Methylene Chloride	2.87	84	1830	1.18	ug/l #	77
25) 2-Butanone	4.71	43	663	0.44	ug/l #	33
31) Cyclohexane	5.67	56	3182	1.57	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	9588	4.98	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12235	6.06	ug/l #	16
43) Isopropyl Acetate	6.48	43	1290	0.33	ug/l #	76
67) Ethyl Benzene	10.26	91	1595	0.20	ug/l #	84
68) m/p-Xylenes	10.37	106	938	0.31	ug/l	82
74) N-amyl acetate	6.48	43	1290	Below Cal	#	73
76) 1,2,3-Trichloropropane	11.14	75	52826	21.82	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	52826	70.65	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1963	0.30	ug/l	91
90) Hexachloroethane	12.48	117	301	0.27	ug/l #	12
95) Naphthalene	13.84	128	68142	7.40	ug/l	100

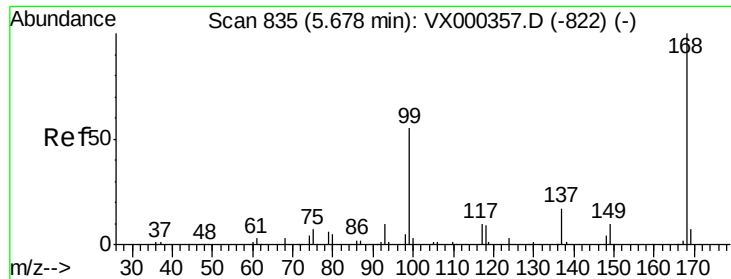
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

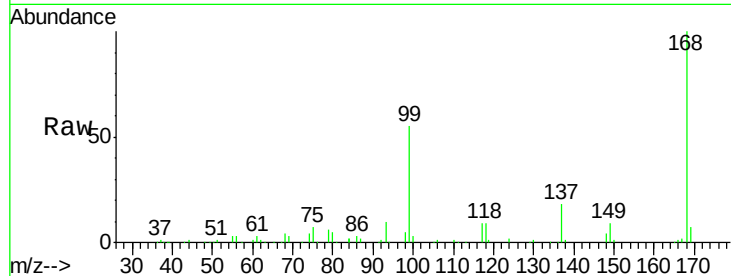
CB-0318-S-TCLP-64-1

Tgt Ion: 168 Resp: 123452

Ion Ratio Lower Upper

168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

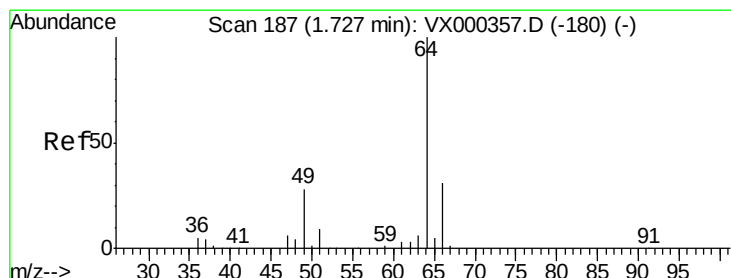
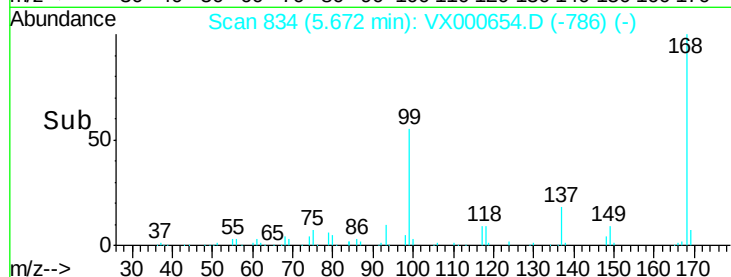
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000654.D

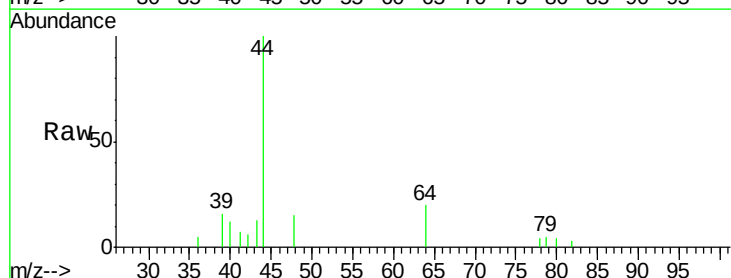
Acq: 03 Apr 2018 15:09

Tgt Ion: 64 Resp: 282

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

300

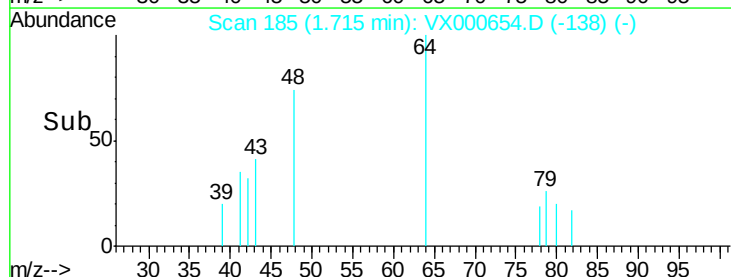
200

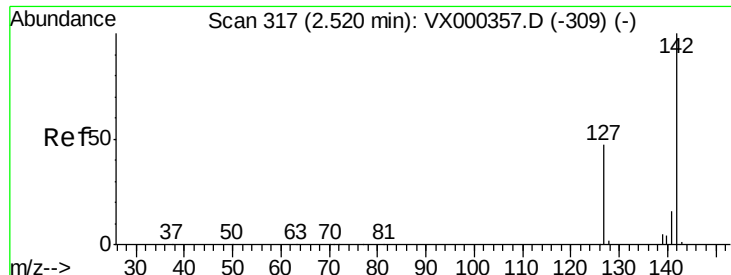
100

0

Time-->

1.68 1.70 1.72 1.74

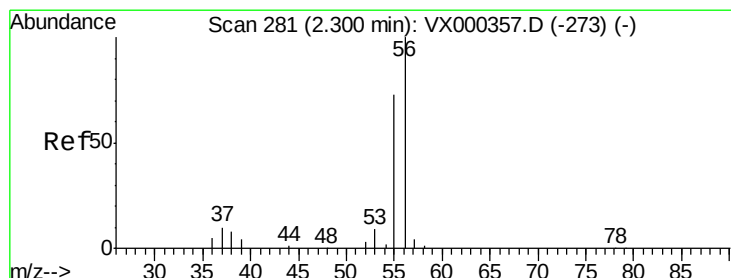
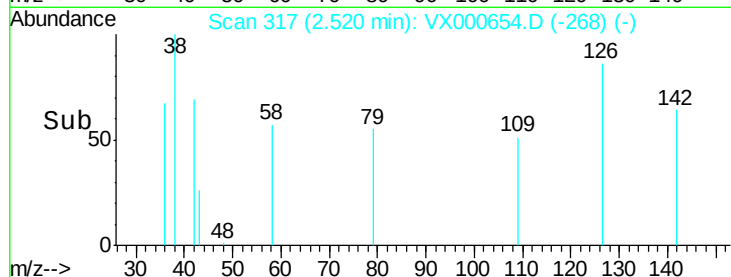
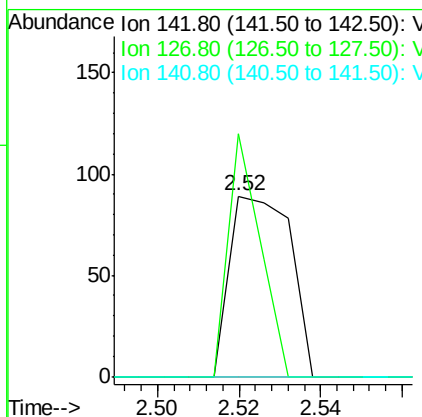
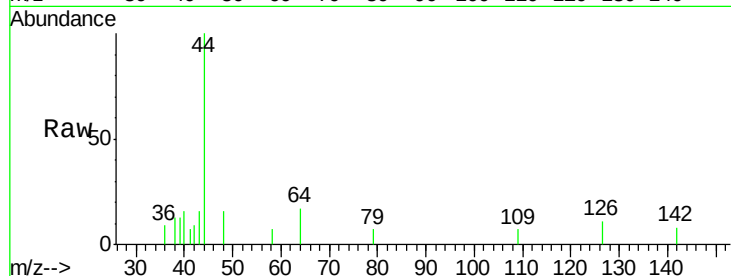




#10
Methyl Iodide
Concen: 4.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

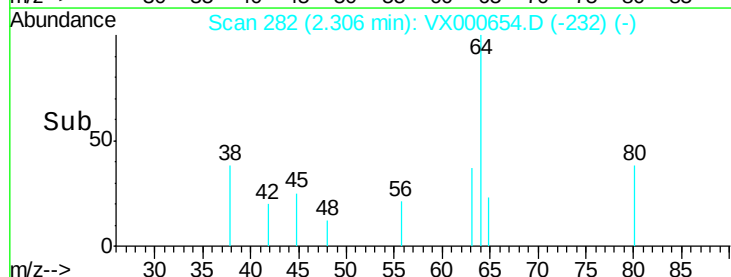
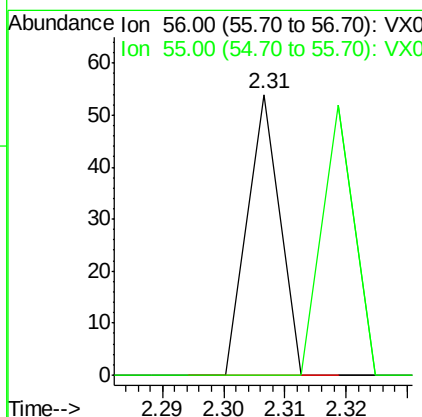
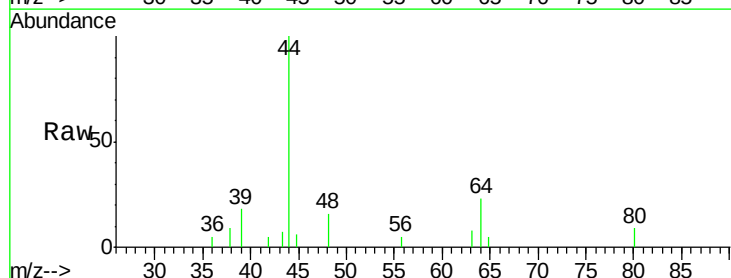
Instrument :
MSVOA_X
ClientSampleId :
CB-0318-S-TCLP-64-1

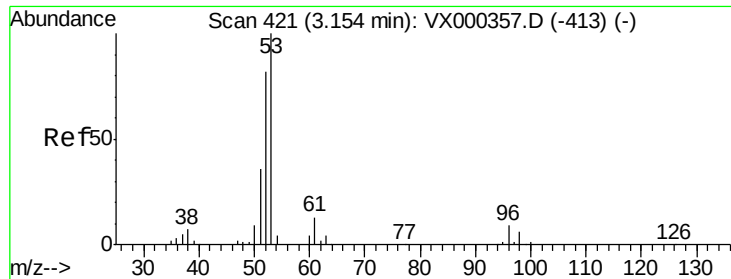
Tgt Ion:142 Resp: 93
Ion Ratio Lower Upper
142 100
127 69.9 39.2 58.8#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 14.68 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 95.0 58.8 88.2#

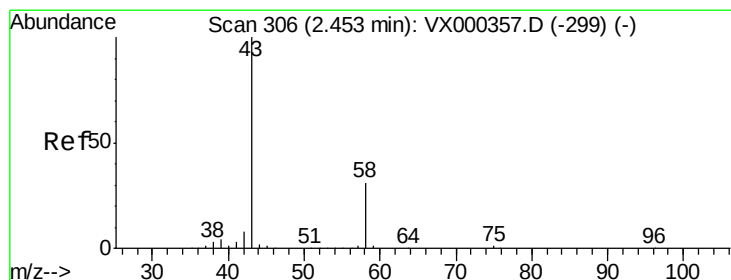
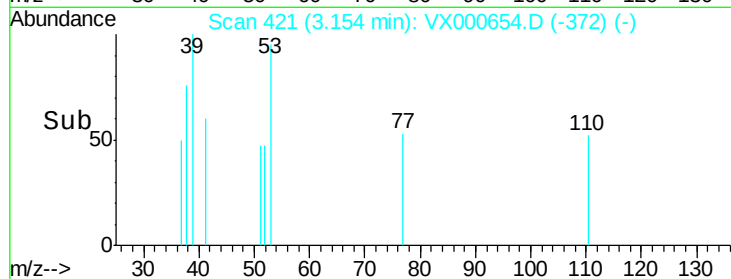
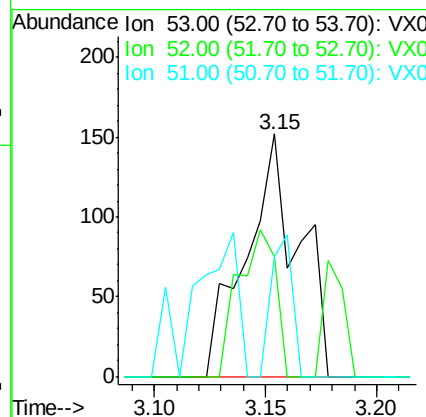
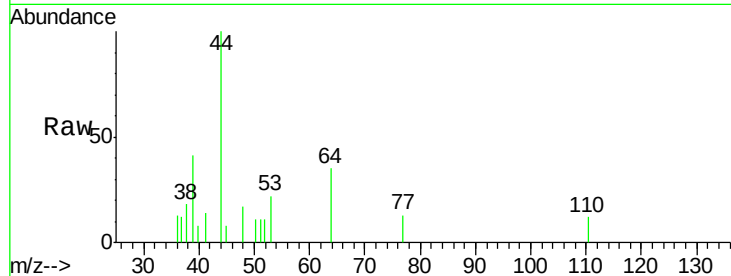




#15
 Acrylonitrile
 Concen: 0.22 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

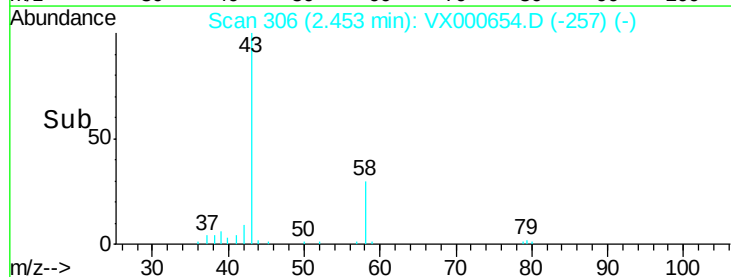
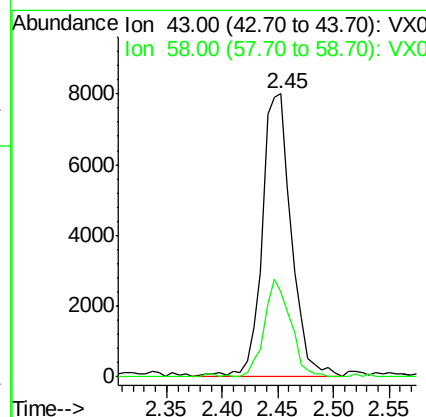
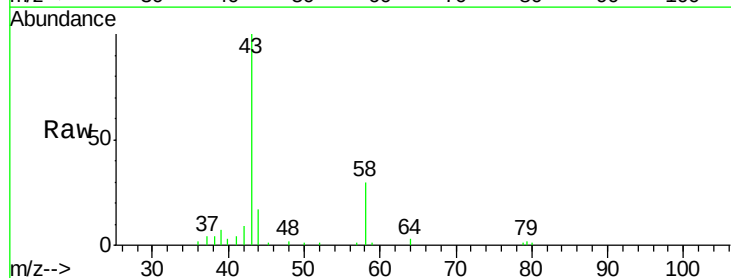
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0318-S-TCLP-64-1

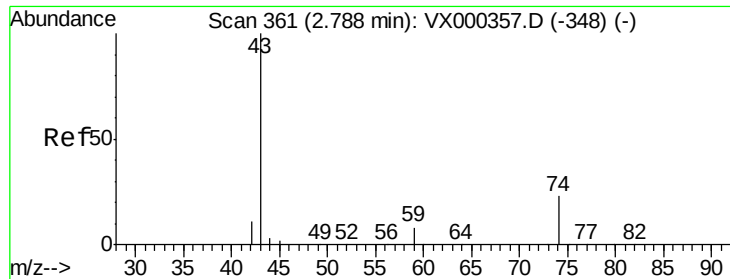
Tgt Ion: 53 Resp: 251
 Ion Ratio Lower Upper
 53 100
 52 43.0 66.6 99.8#
 51 23.9 29.3 43.9#



#16
 Acetone
 Concen: 10.99 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

Tgt Ion: 43 Resp: 14727
 Ion Ratio Lower Upper
 43 100
 58 30.1 24.7 37.1

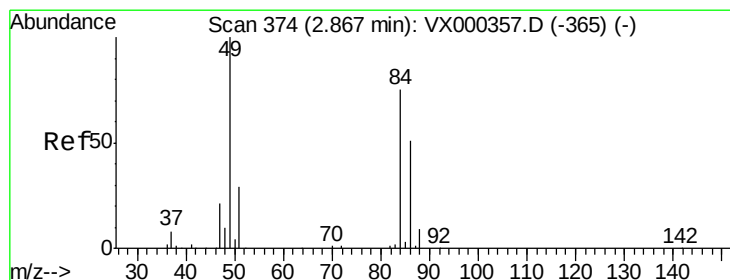
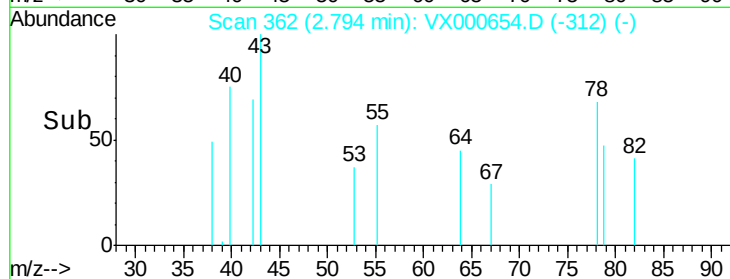
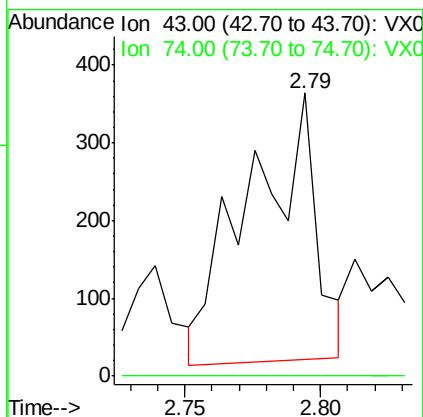
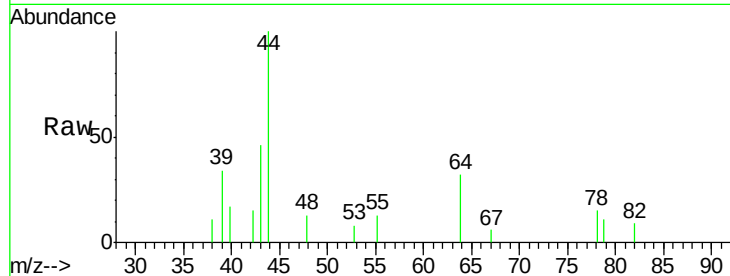




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

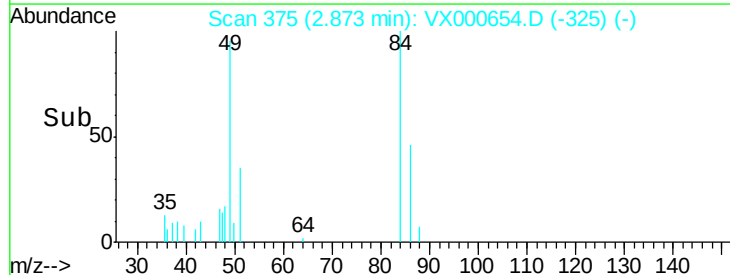
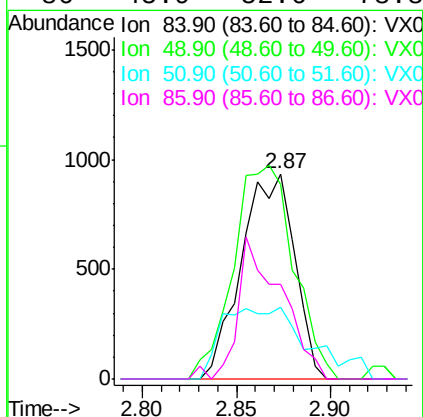
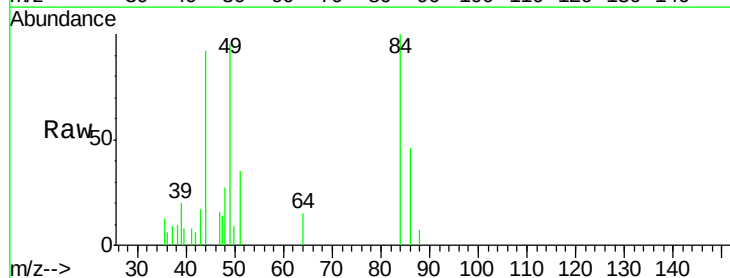
Instrument :
MSVOA_X
ClientSampleId :
CB-0318-S-TCLP-64-1

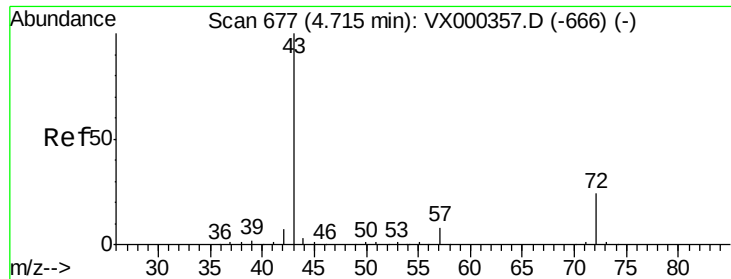
Tgt Ion: 43 Resp: 590
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

Tgt Ion: 84 Resp: 1830
Ion Ratio Lower Upper
84 100
49 94.7 100.6 151.0#
51 35.0 31.6 47.4
86 45.9 52.6 78.8#

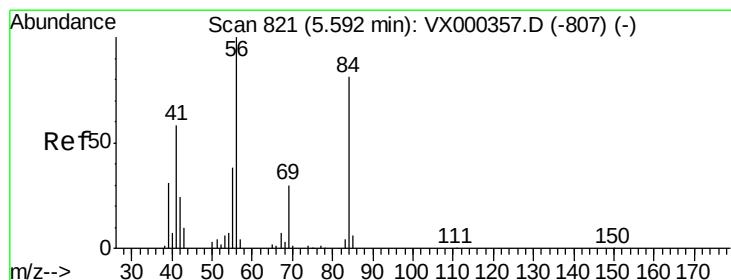
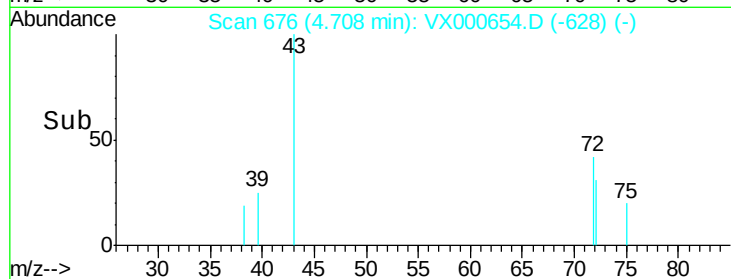
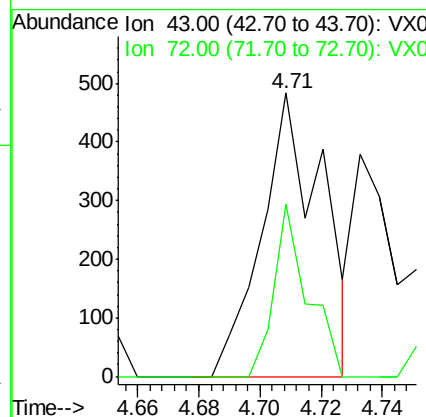
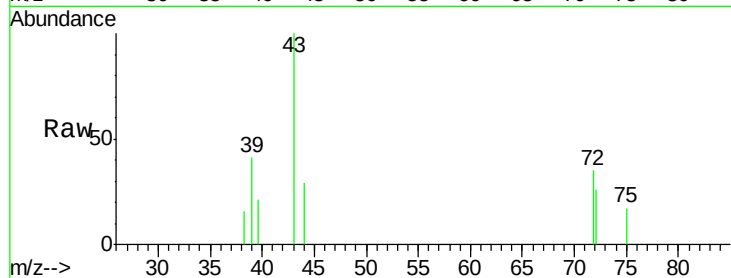




#25
2-Butanone
Concen: 0.44 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

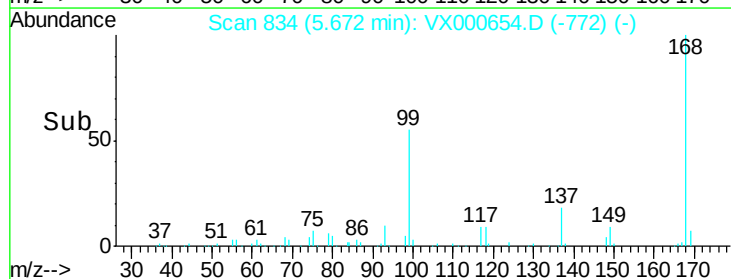
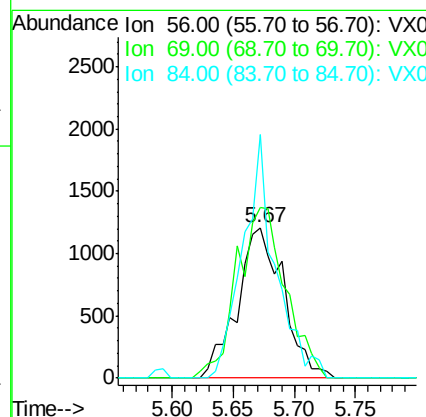
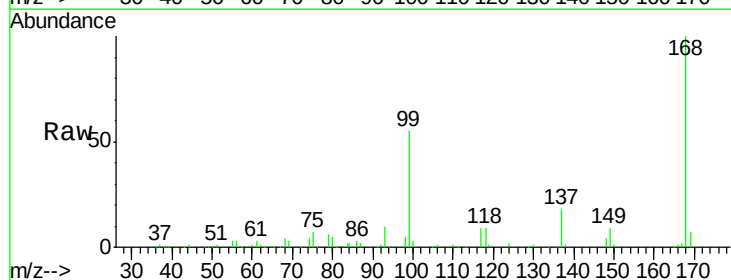
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ClientSampleId :
CB-0318-S-TCLP-64-1

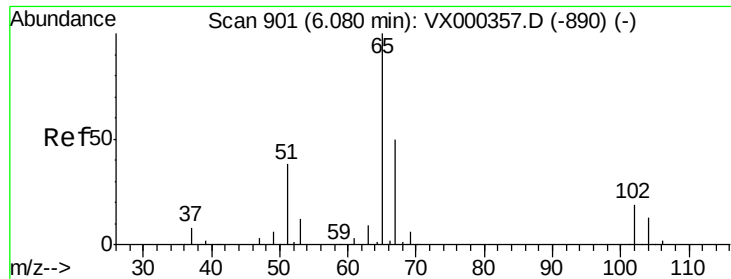
Tgt Ion: 43 Resp: 663
Ion Ratio Lower Upper
43 100
72 60.7 21.0 31.6#



#31
Cyclohexane
Concen: 1.57 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.08 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

Tgt Ion: 56 Resp: 3182
Ion Ratio Lower Upper
56 100
69 113.2 23.4 35.0#
84 161.7 71.0 106.4#

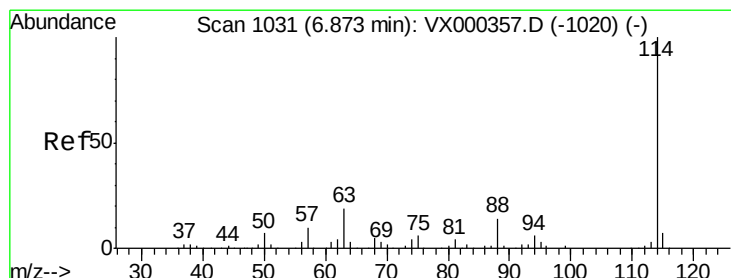
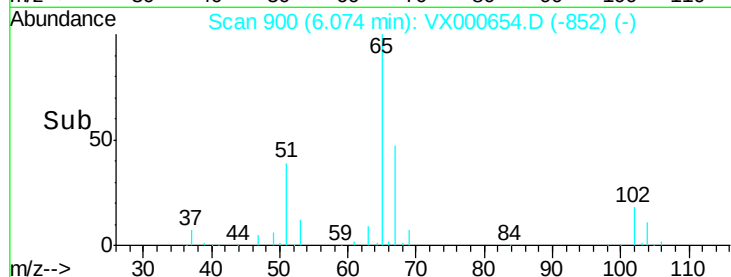
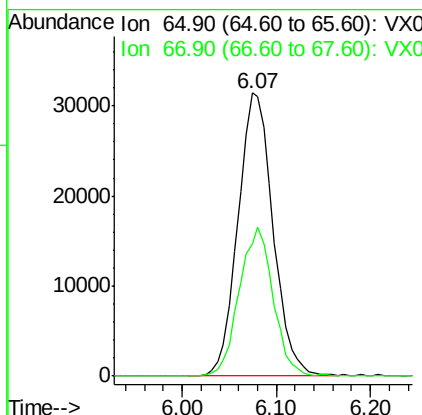
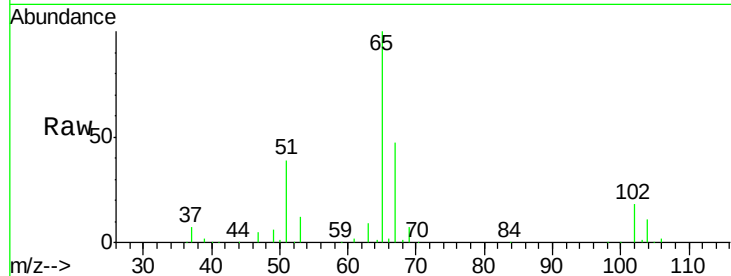




#33
 1,2-Dichloroethane-d4
 Concen: 50.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

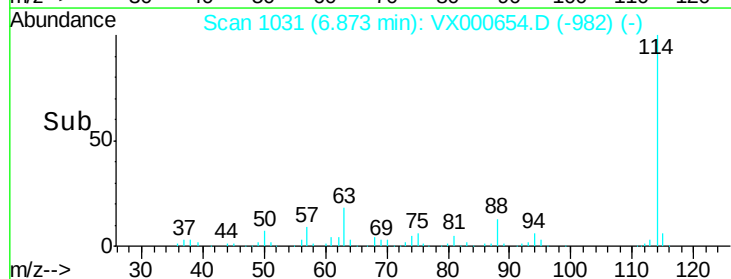
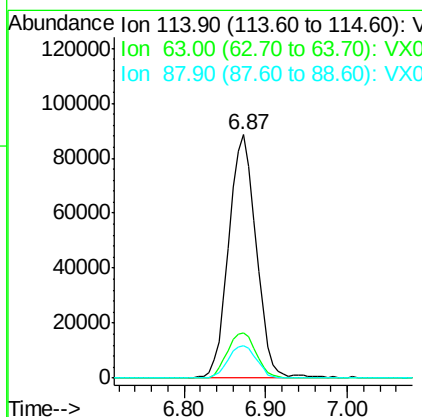
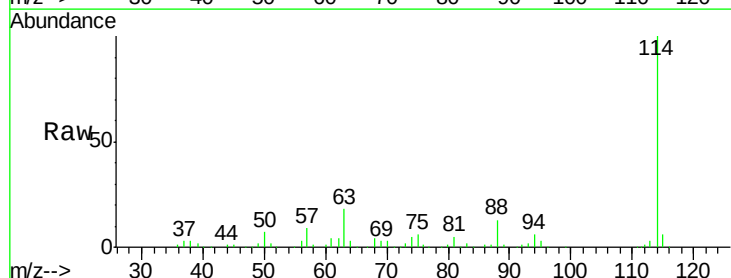
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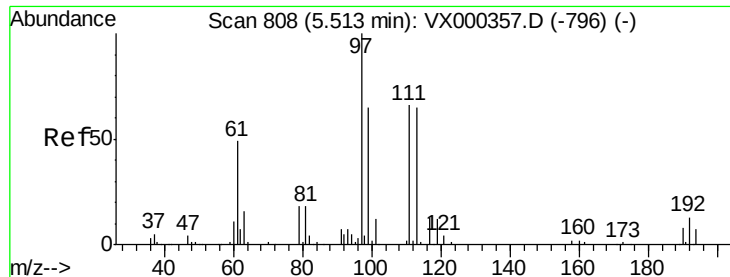
Tgt Ion: 65 Resp: 81693
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

Tgt Ion: 114 Resp: 205510
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.4
 88 13.2 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.21 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

CB-0318-S-TCLP-64-1

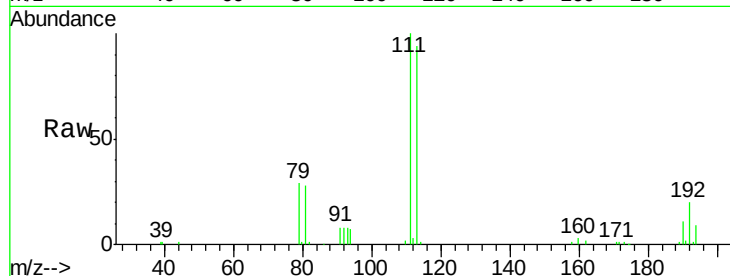
Tgt Ion:113 Resp: 62427

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

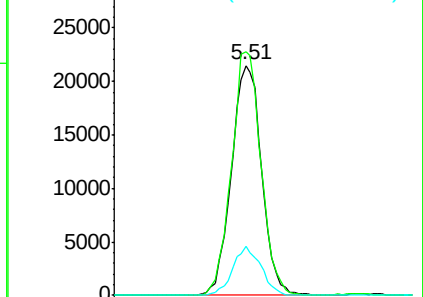
192 20.0 15.8 23.6



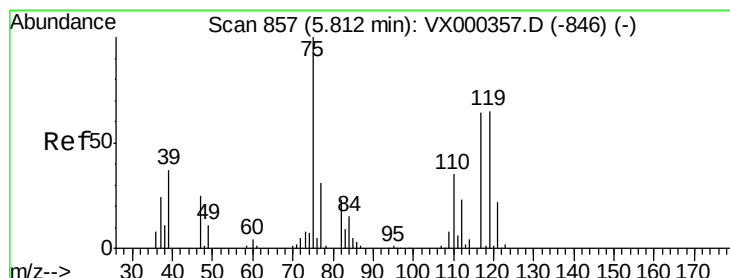
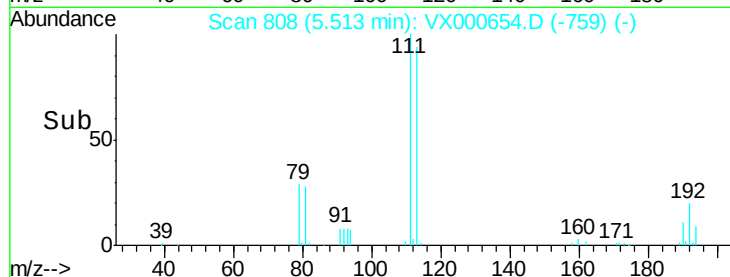
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

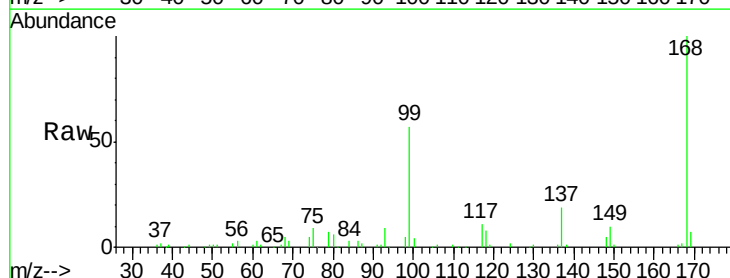
Tgt Ion: 75 Resp: 9588

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.7#

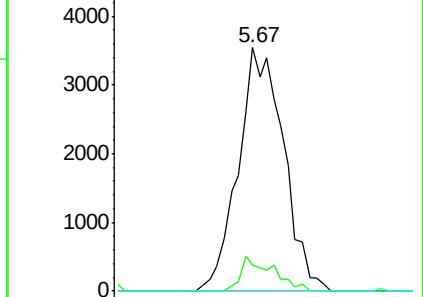
77 0.0 24.0 36.0#



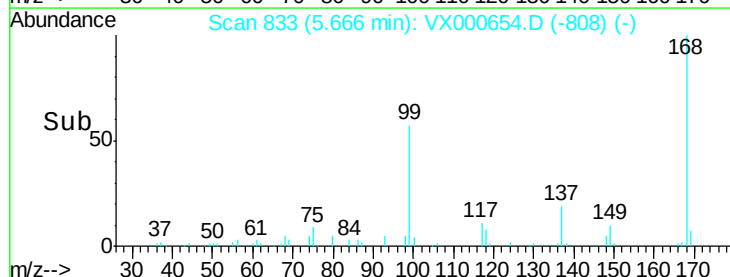
Abundance Ion 74.90 (74.60 to 75.60): VX0

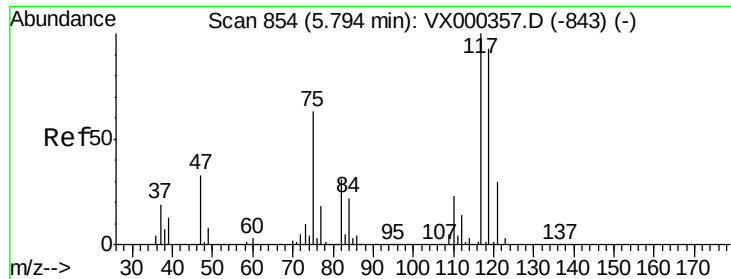
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



Time-->

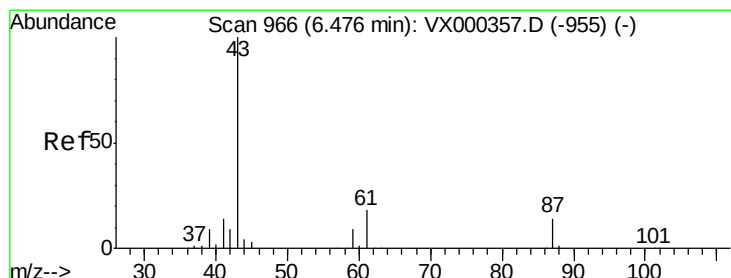
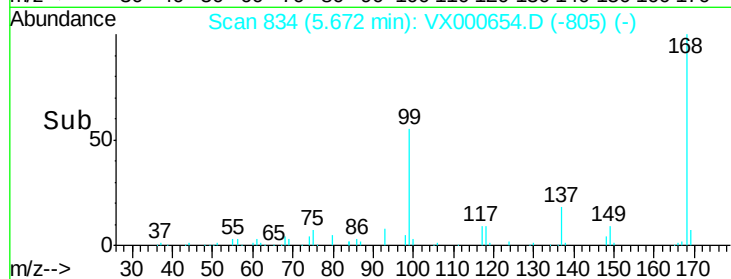
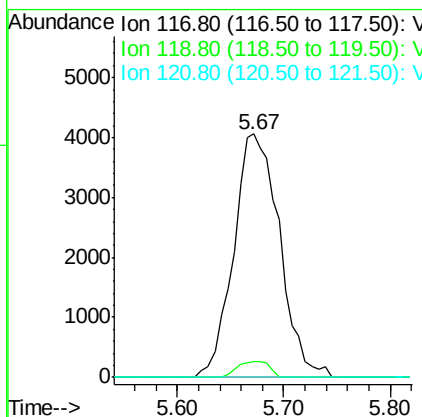
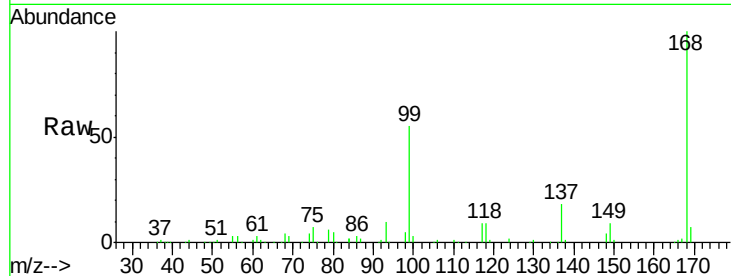




#38
 Carbon Tetrachloride
 Concen: 6.06 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

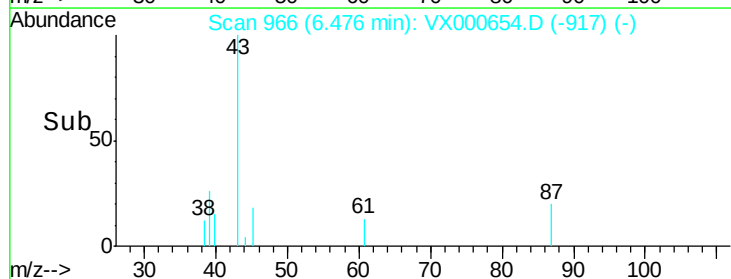
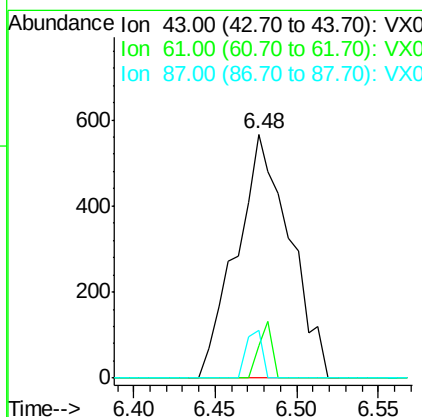
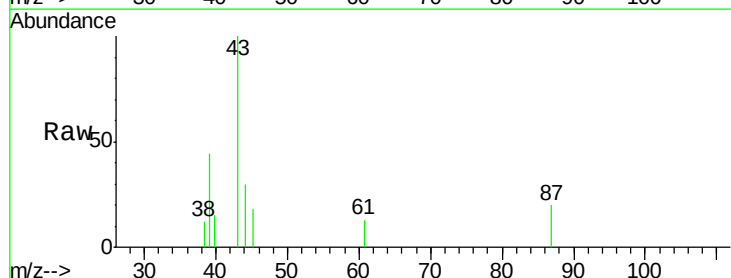
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-0318-S-TCLP-64-1

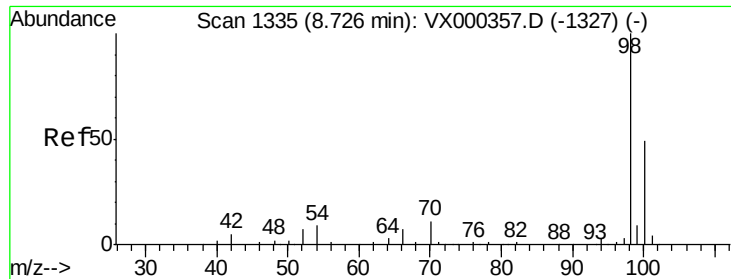
Tgt Ion: 117 Resp: 12235
 Ion Ratio Lower Upper
 117 100
 119 6.2 77.4 116.2#
 121 0.0 24.8 37.2#



#43
 Isopropyl Acetate
 Concen: 0.33 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000654.D
 Acq: 03 Apr 2018 15:09

Tgt Ion: 43 Resp: 1290
 Ion Ratio Lower Upper
 43 100
 61 5.9 14.4 21.6#
 87 5.9 11.0 16.4#





#50

Toluene-d8

Concen: 48.08 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

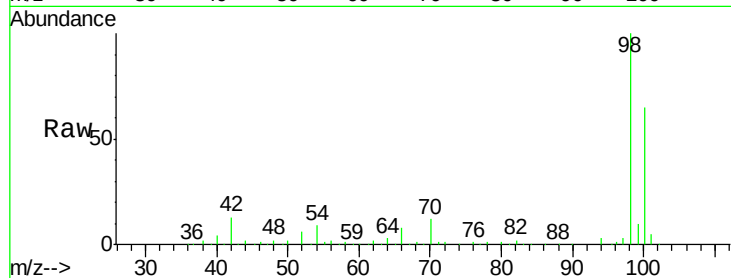
CB-0318-S-TCLP-64-1

Tgt Ion: 98 Resp: 257842

Ion Ratio Lower Upper

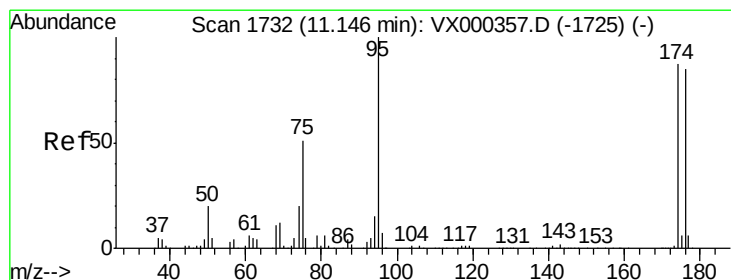
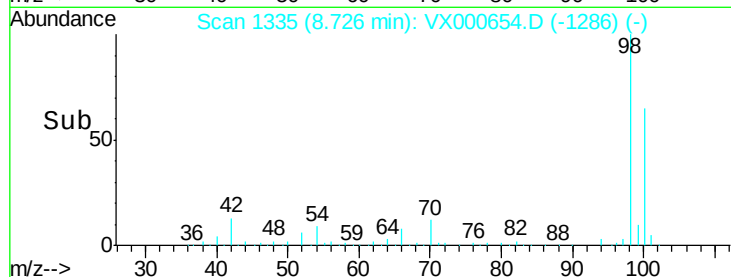
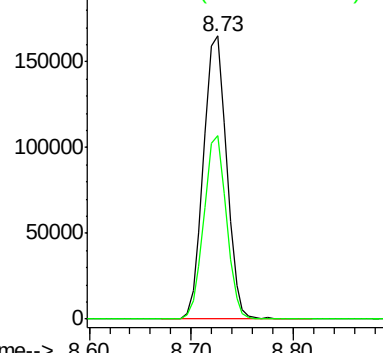
98 100

100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 41.23 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

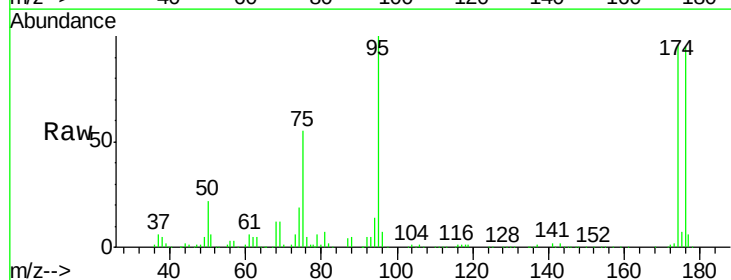
Tgt Ion: 95 Resp: 90623

Ion Ratio Lower Upper

95 100

174 93.2 0.0 173.6

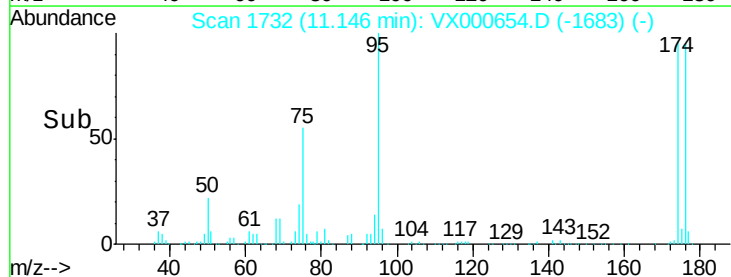
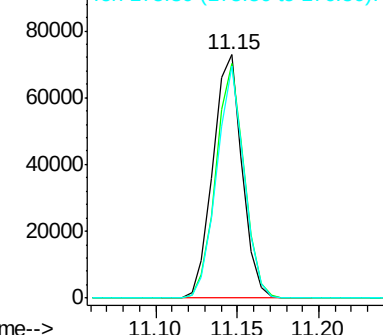
176 90.0 0.0 164.6

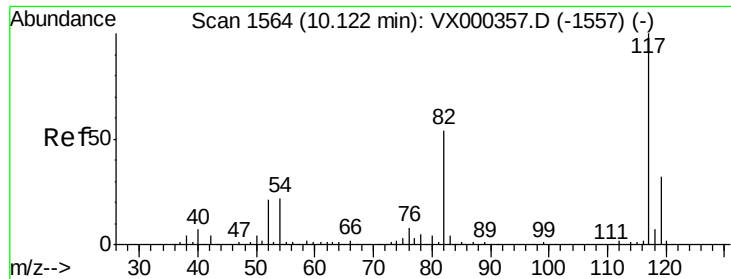


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

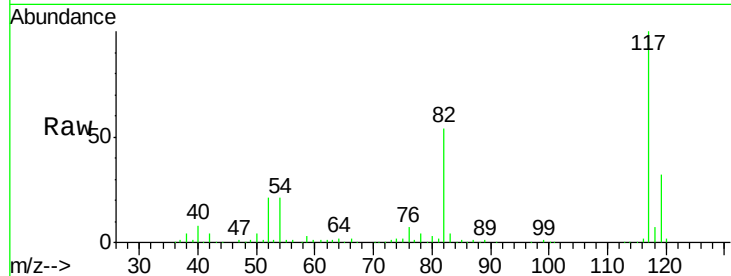




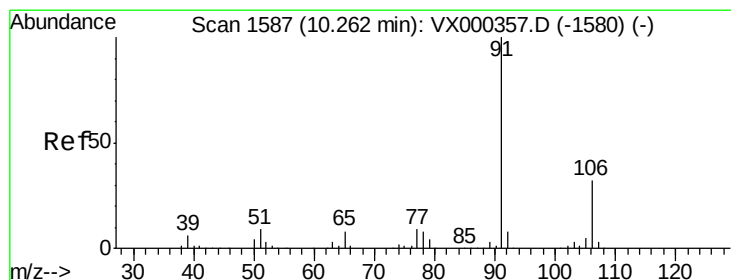
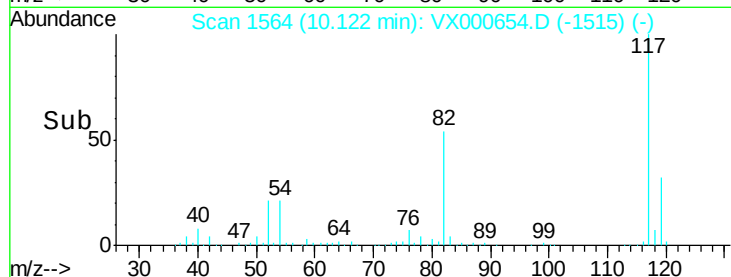
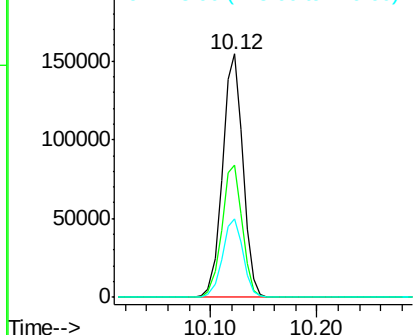
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
CB-0318-S-TCLP-64-1

Tgt Ion: 117 Resp: 206554
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 32.1 24.9 37.3

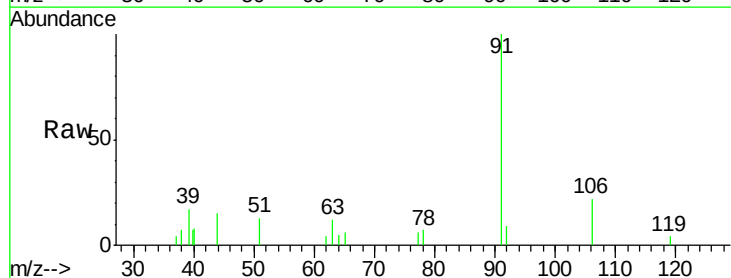


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

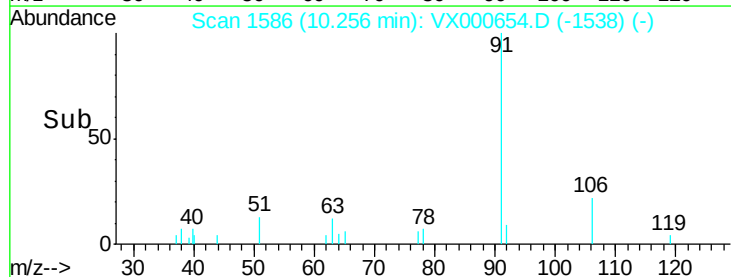
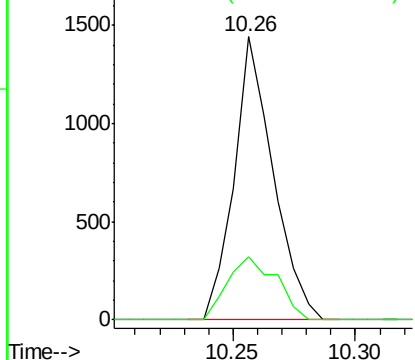


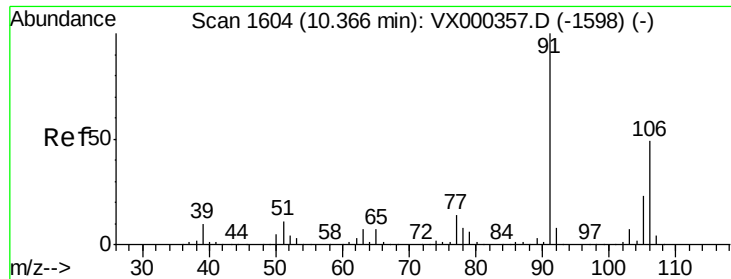
#67
Ethyl Benzene
Concen: 0.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000654.D
Acq: 03 Apr 2018 15:09

Tgt Ion: 91 Resp: 1595
Ion Ratio Lower Upper
91 100
106 22.4 25.0 37.6#



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





#68

m/p-Xylenes

Concen: 0.31 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

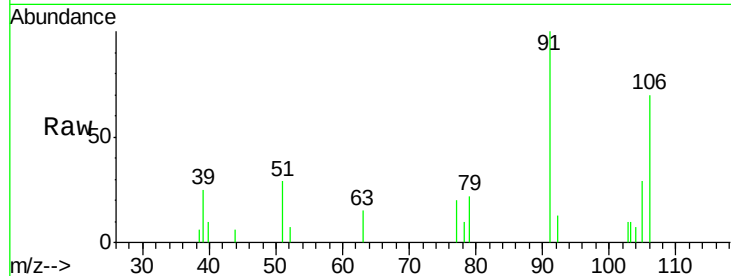
CB-0318-S-TCLP-64-1

Tgt Ion:106 Resp: 938

Ion Ratio Lower Upper

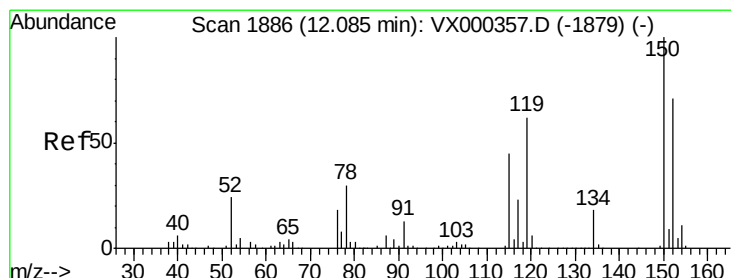
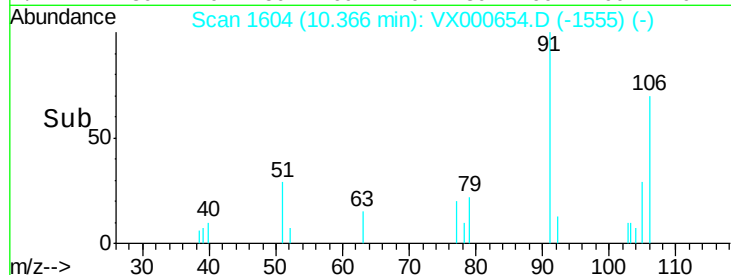
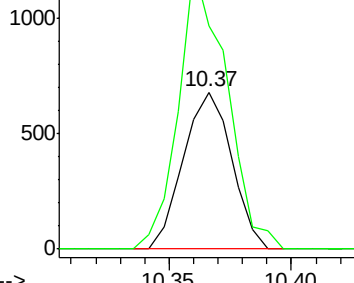
106 100

91 176.0 163.4 245.2



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: VX000654.D

Acq: 03 Apr 2018 15:09

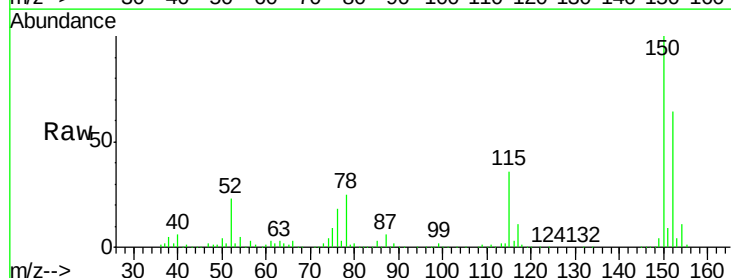
Tgt Ion:152 Resp: 112646

Ion Ratio Lower Upper

152 100

115 56.1 39.8 119.3

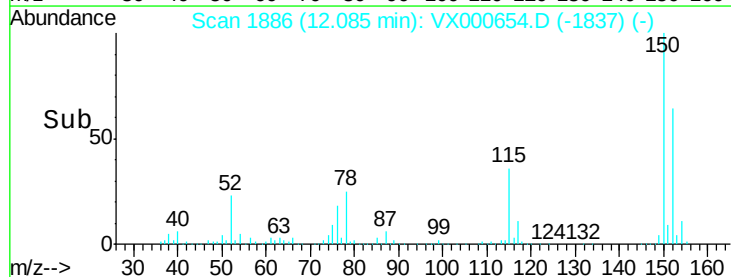
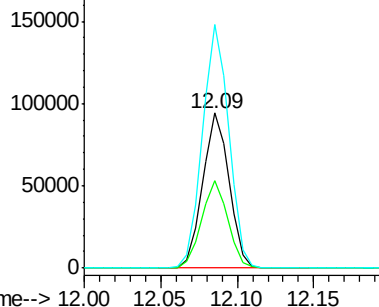
150 156.3 0.0 344.4

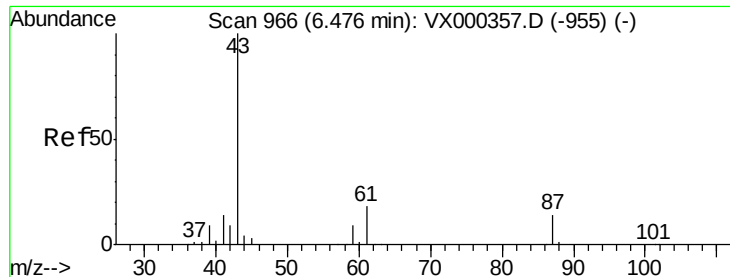


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

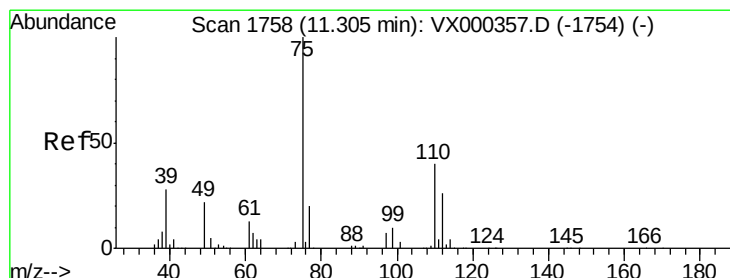
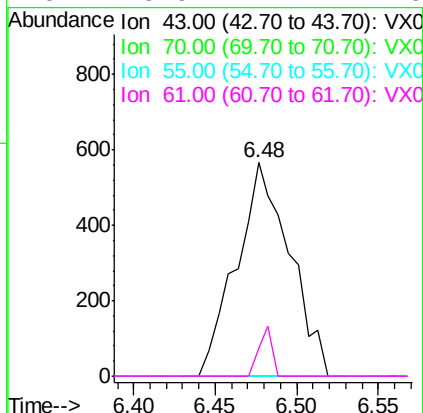
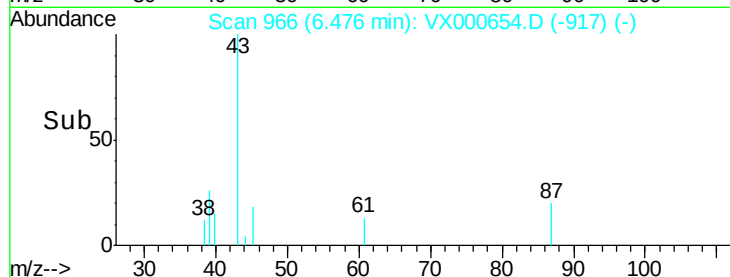
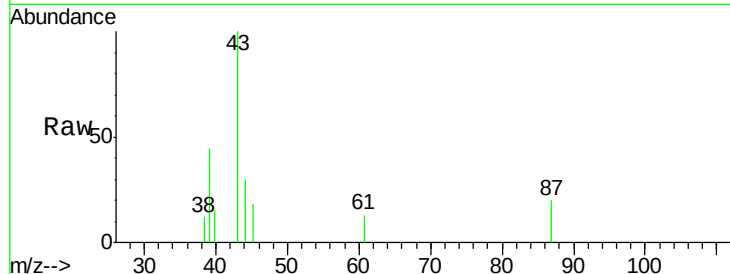
Instrument :

MSVOA_X

ClientSampleId :

CB-0318-S-TCLP-64-1

Tgt Ion:	43	Resp:	1290
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	5.9	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 21.82 ug/l

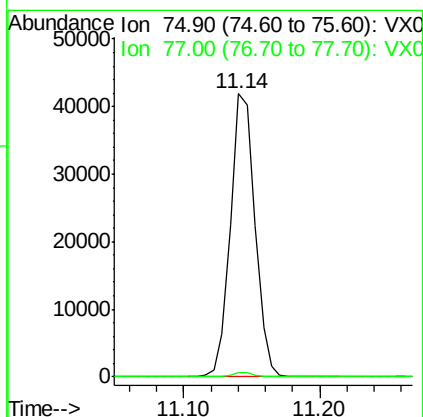
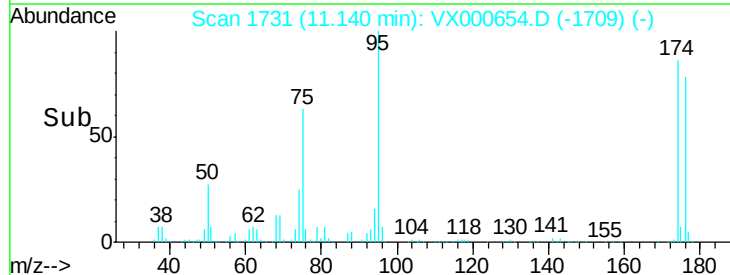
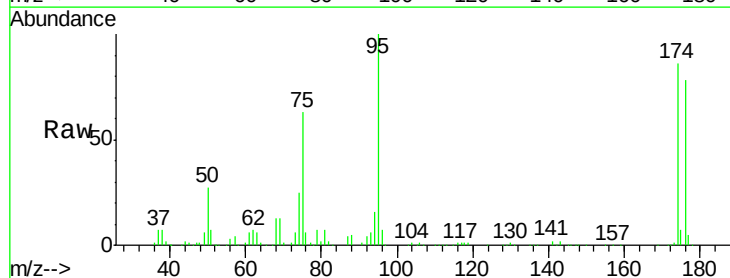
RT: 11.14 min Scan# 1731

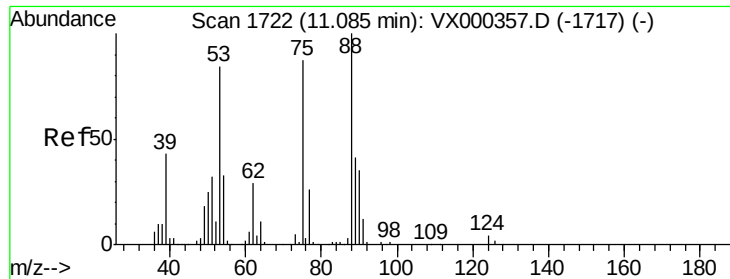
Delta R.T. -0.16 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Tgt Ion:	75	Resp:	52826
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

CB-0318-S-TCLP-64-1

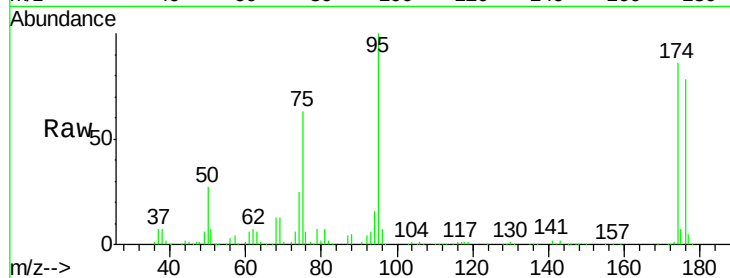
Tgt Ion: 75 Resp: 52826

Ion Ratio Lower Upper

75 100

53 0.2 80.7 121.1#

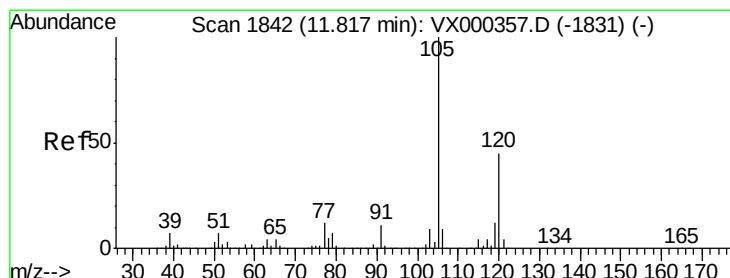
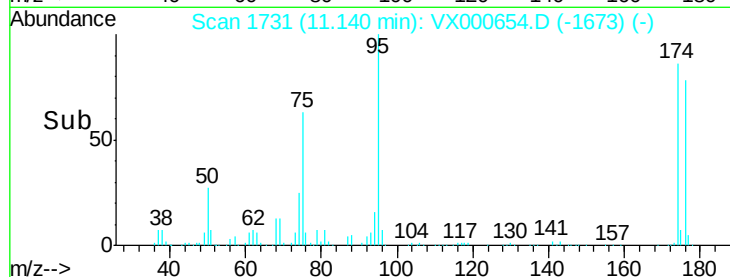
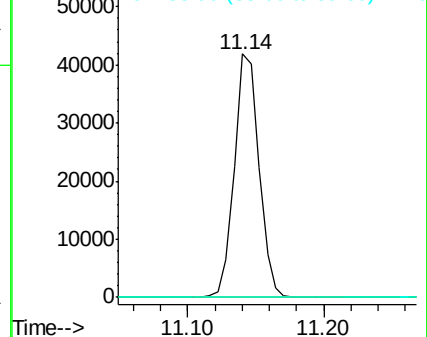
89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.30 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000654.D

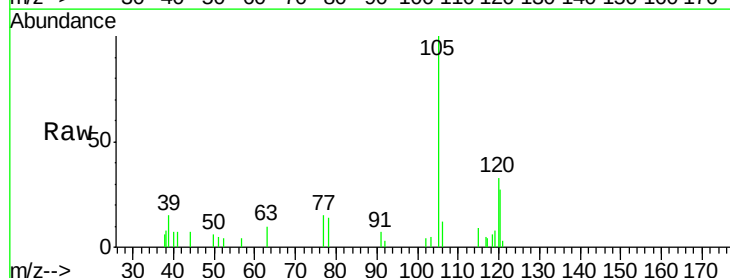
Acq: 03 Apr 2018 15:09

Tgt Ion: 105 Resp: 1963

Ion Ratio Lower Upper

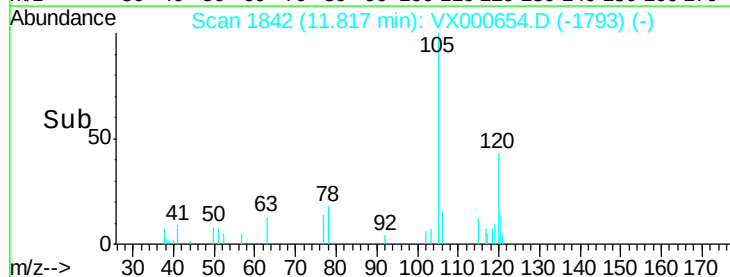
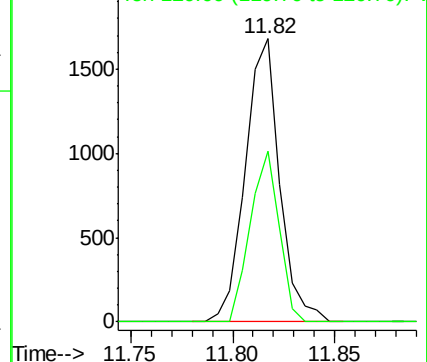
105 100

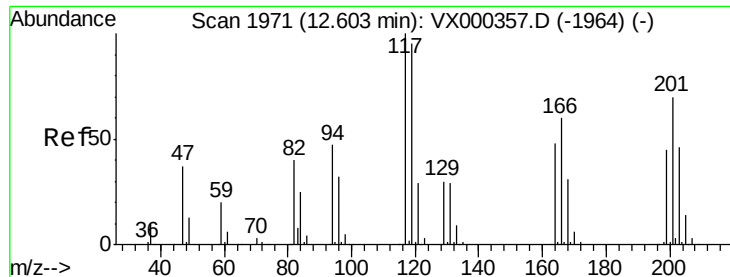
120 50.6 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.27 ug/l

RT: 12.48 min Scan# 1951

Delta R.T. -0.12 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

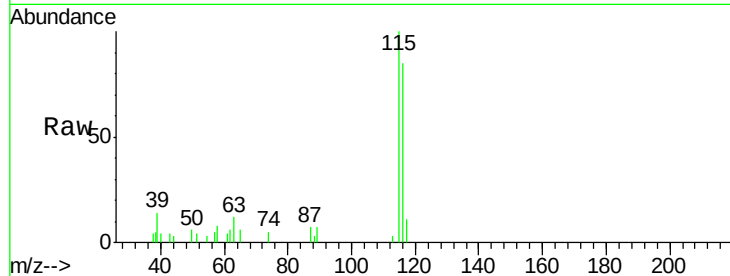
CB-0318-S-TCLP-64-1

Tgt Ion:117 Resp: 301

Ion Ratio Lower Upper

117 100

201 0.0 37.9 113.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.48

250

200

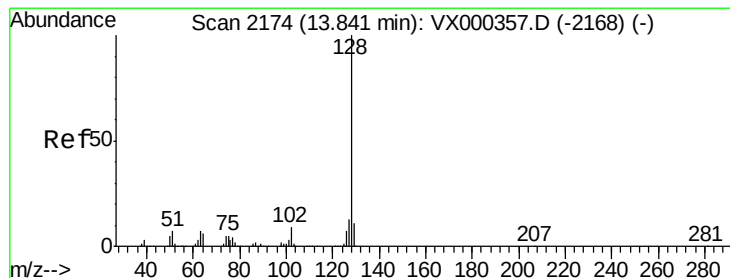
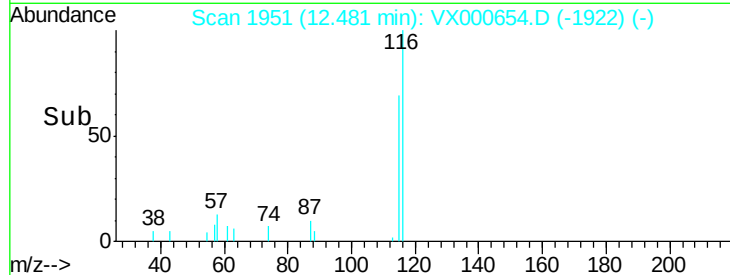
150

100

50

0

Time-->



#95

Naphthalene

Concen: 7.40 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000654.D

Acq: 03 Apr 2018 15:09

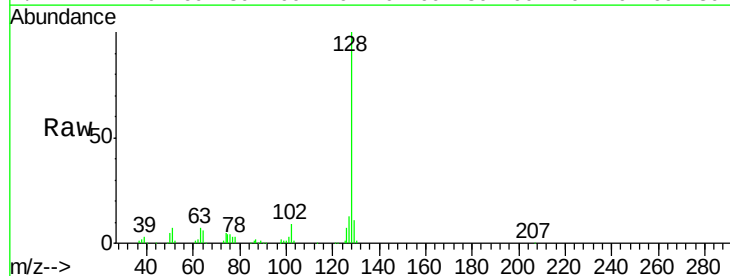
Tgt Ion:128 Resp: 68142

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.8 8.9 13.3



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

13.84

60000

40000

20000

0

Time-->

