

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040318\
 Data File : VX000653.D
 Acq On : 03 Apr 2018 14:43
 Operator : JC/MD
 Sample : J2185-17 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOWER-CONCRETE-SLAB-2

Quant Time: Apr 04 02:56:25 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	124430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	207226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	207717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	112031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	79345	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	5.51	113	60505	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
50) Toluene-d8	8.72	98	261699	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	11.15	95	91177	41.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.30%	

Target Compounds

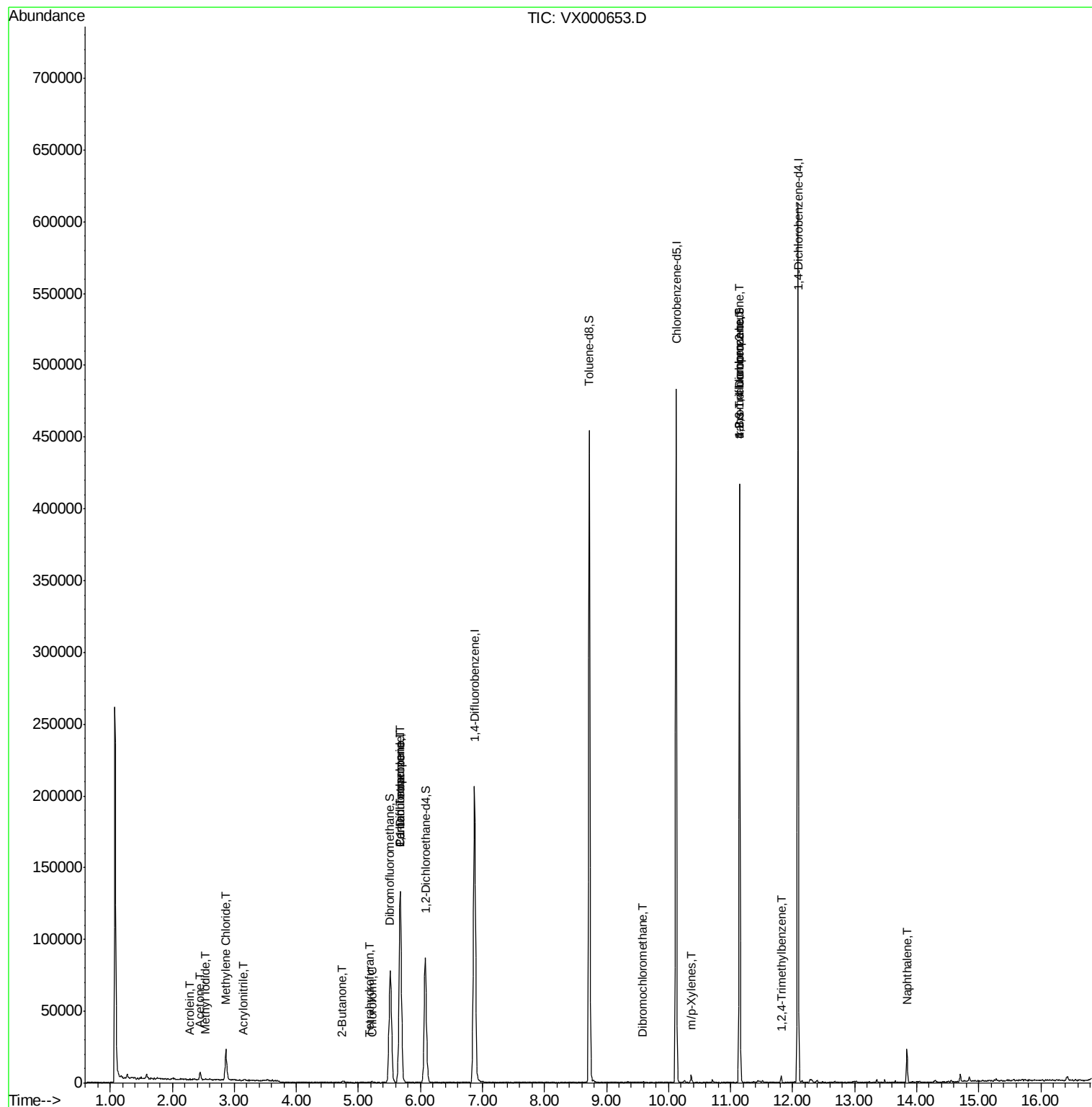
						Qvalue
6) Chloroethane	1.71	64	263	Below Cal	#	36
10) Methyl Iodide	2.53	142	25	4.29	ug/l #	37
13) Acrolein	2.27	56	75	14.97	ug/l #	13
14) Allyl chloride	2.71	41	189	Below Cal	#	58
15) Acrylonitrile	3.14	53	254	0.22	ug/l #	42
16) Acetone	2.45	43	5529	4.09	ug/l	96
20) Methylene Chloride	2.87	84	8714	5.58	ug/l #	83
25) 2-Butanone	4.73	43	448	0.29	ug/l #	49
29) Tetrahydrofuran	5.18	42	270	0.29	ug/l #	39
30) Chloroform	5.22	83	914	0.37	ug/l #	82
36) 1,1-Dichloropropene	5.68	75	9931	5.12	ug/l #	52
38) Carbon Tetrachloride	5.67	117	13029	6.40	ug/l #	14
60) Dibromochloromethane	9.59	129	50	4.14	ug/l	56
68) m/p-Xylenes	10.37	106	1211	0.39	ug/l	99
74) N-amyl acetate	6.52	43	20	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	52984	22.01	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	52984	71.25	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1944	0.30	ug/l	95
95) Naphthalene	13.84	128	12583	1.37	ug/l	98

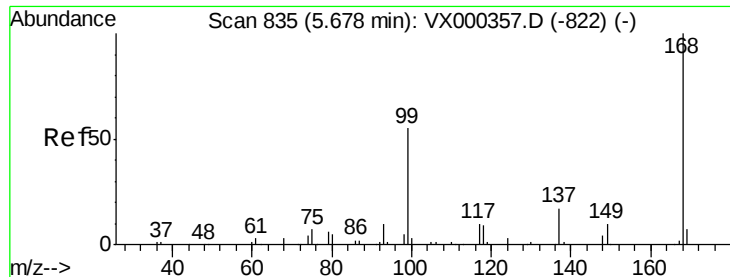
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

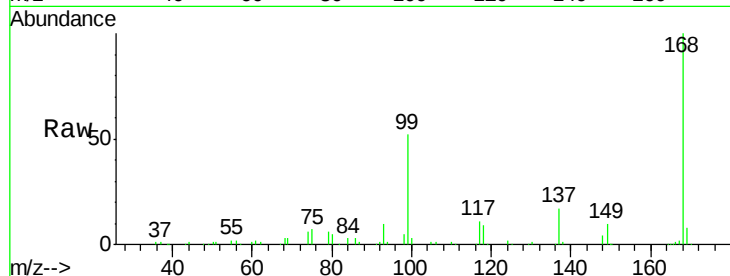
LOWER-CONCRETE-SLAB-2

Tgt Ion:168 Resp: 124430

Ion Ratio Lower Upper

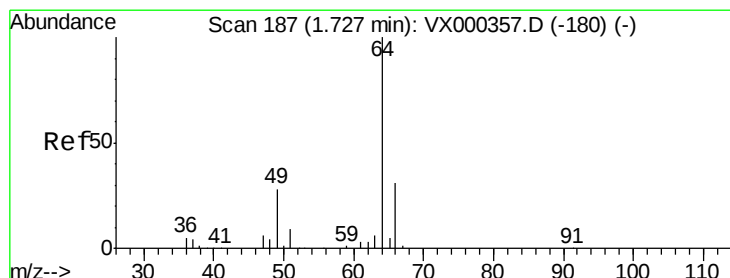
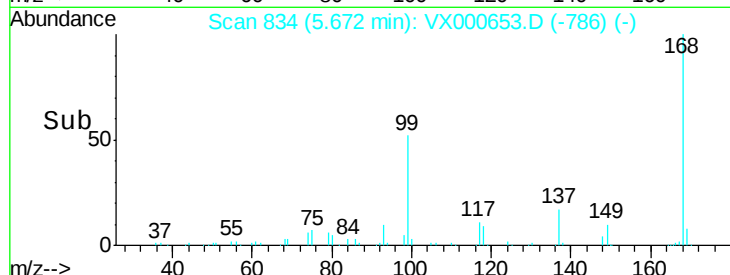
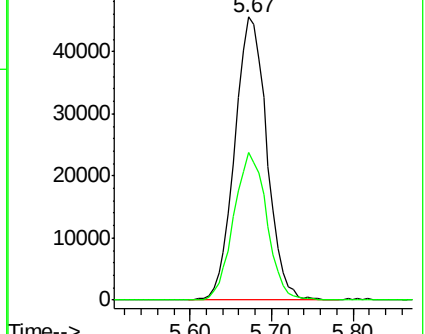
168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000653.D

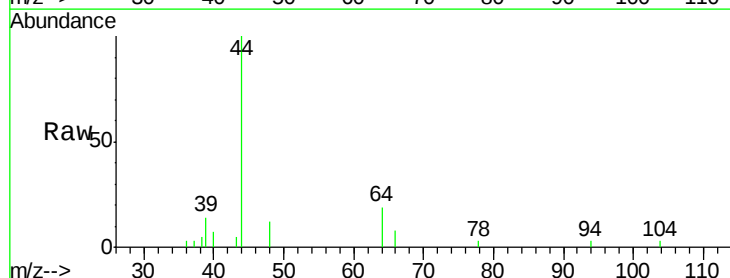
Acq: 03 Apr 2018 14:43

Tgt Ion: 64 Resp: 263

Ion Ratio Lower Upper

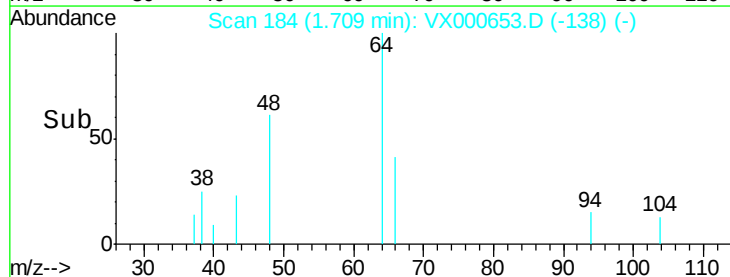
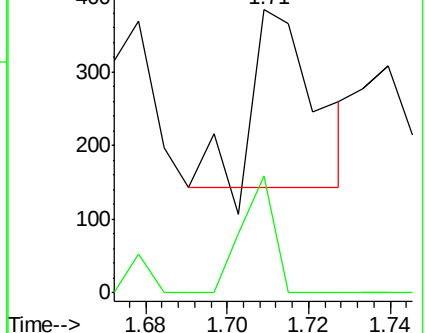
64 100

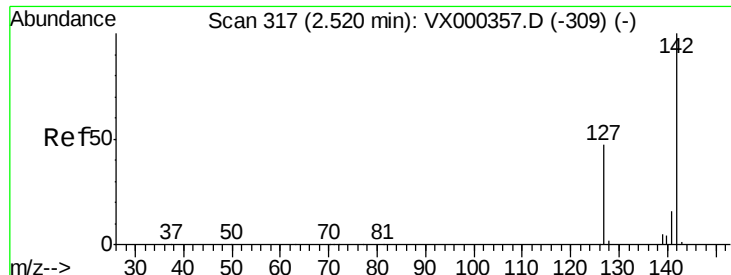
66 66.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

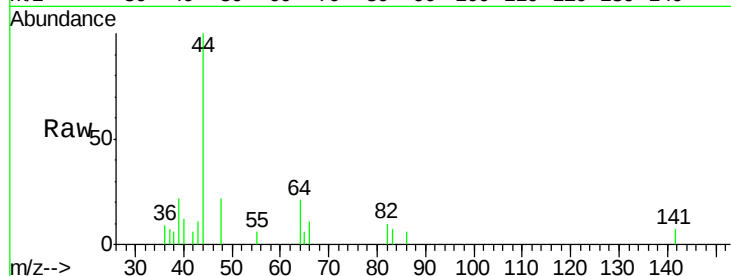




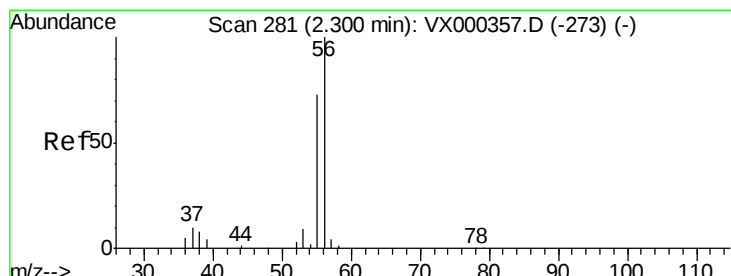
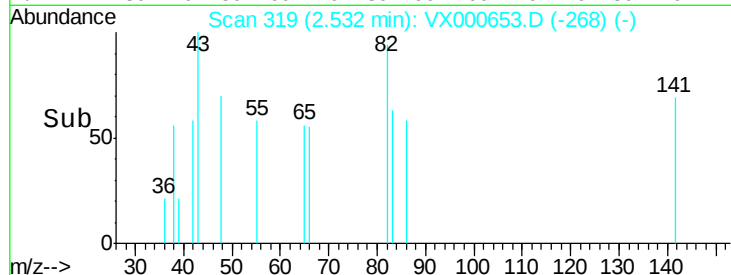
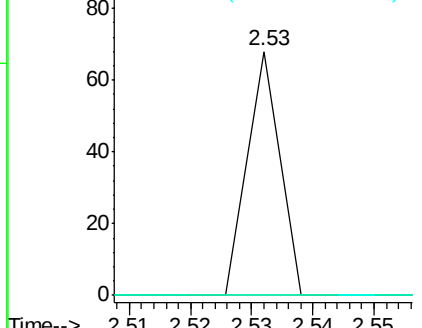
#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-2

Tgt Ion: 142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

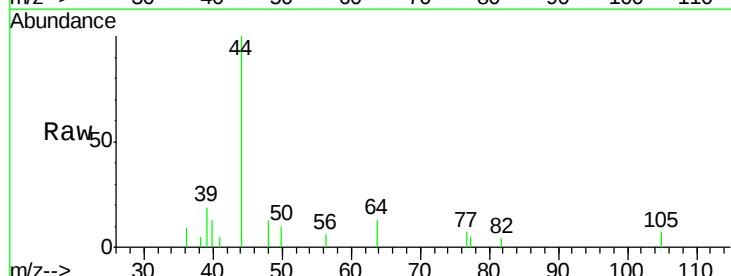


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

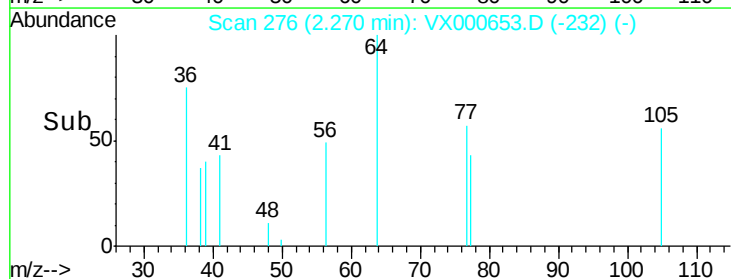
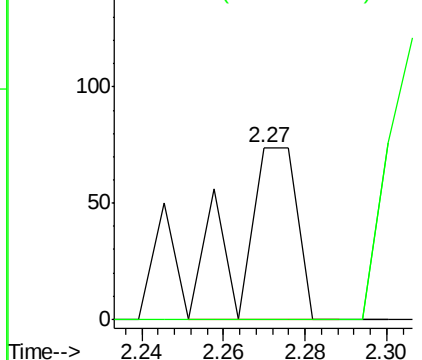


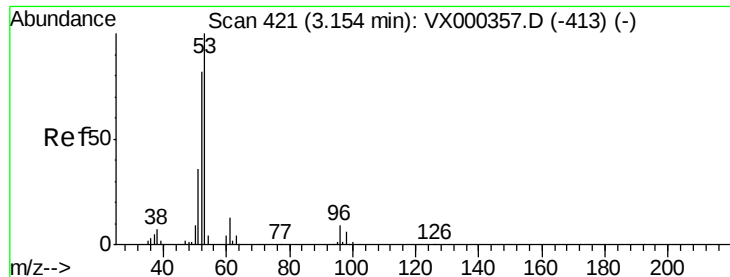
#13
Acrolein
Concen: 14.97 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.03 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-2

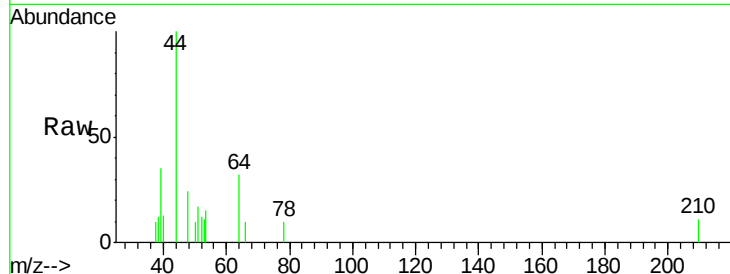
Tgt Ion: 53 Resp: 254

Ion Ratio Lower Upper

53 100

52 11.8 66.6 99.8#

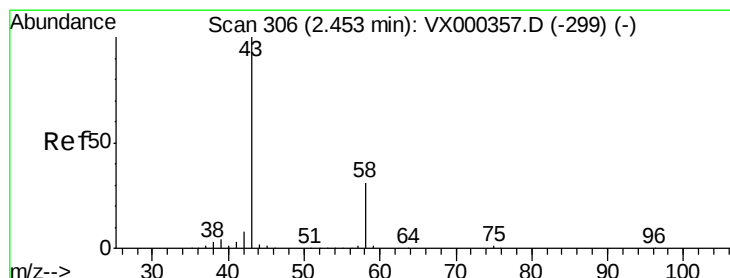
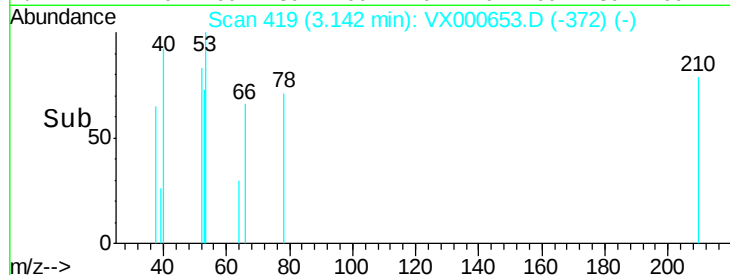
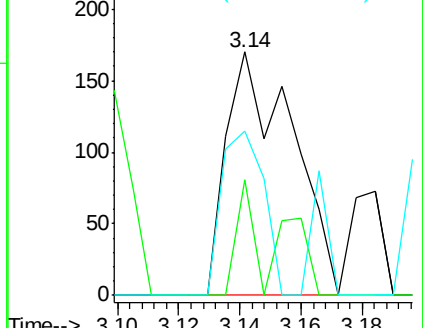
51 42.9 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000653.D

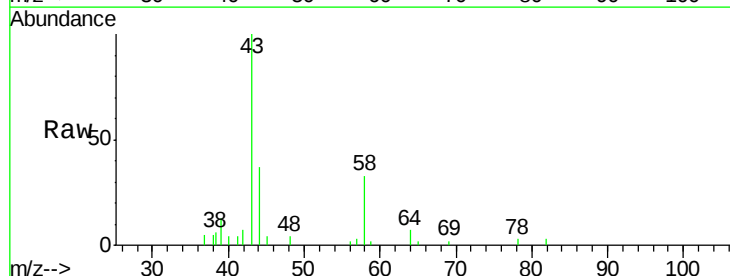
Acq: 03 Apr 2018 14:43

Tgt Ion: 43 Resp: 5529

Ion Ratio Lower Upper

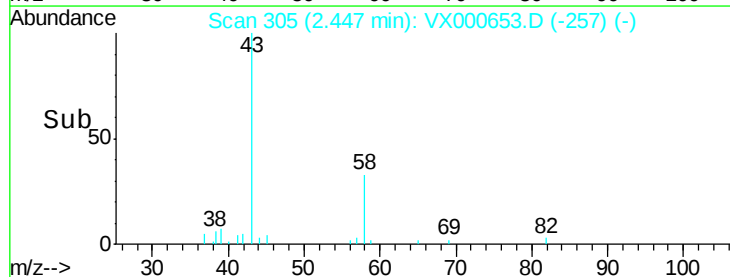
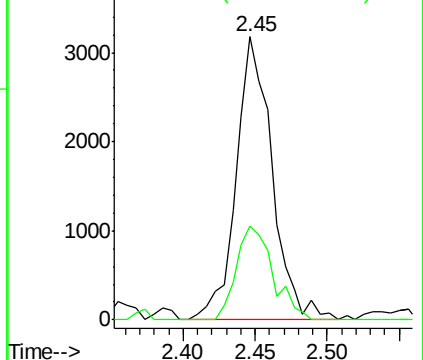
43 100

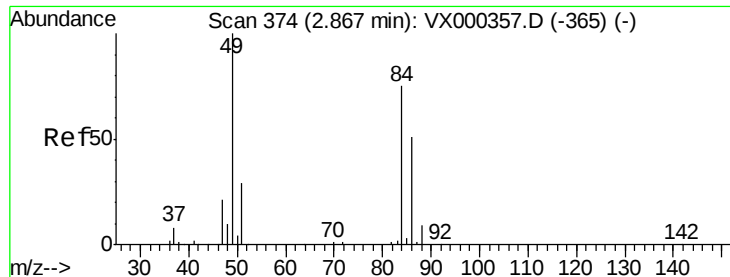
58 33.4 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

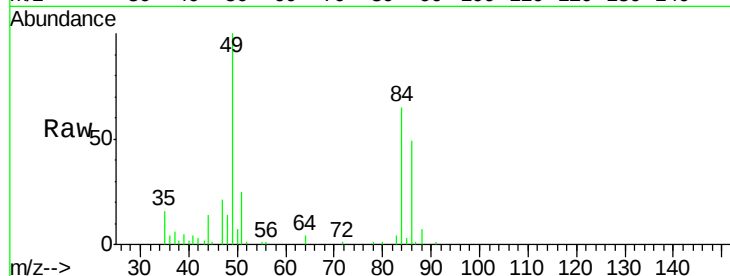




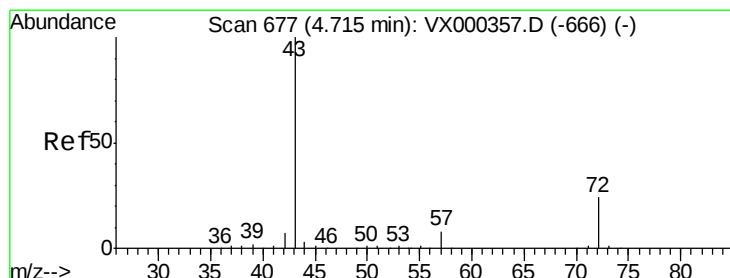
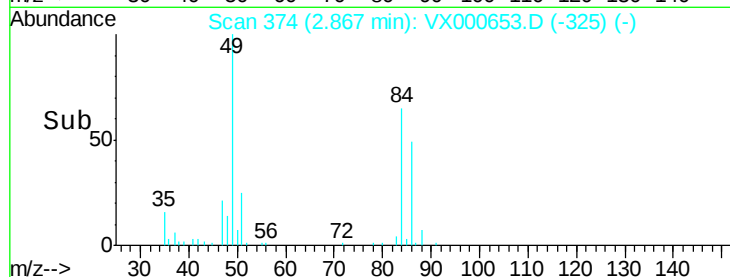
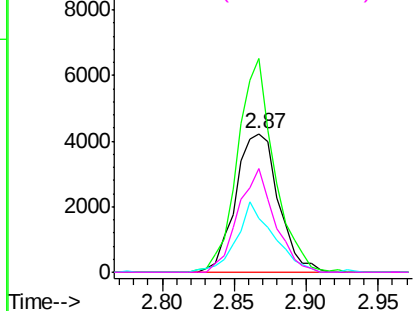
#20
Methylene Chloride
Concen: 5.58 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-2

Tgt Ion: 84 Resp: 8714
Ion Ratio Lower Upper
84 100
49 154.3 100.6 151.0#
51 38.7 31.6 47.4
86 75.1 52.6 78.8

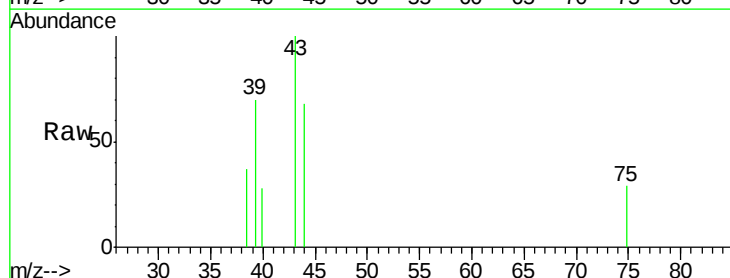


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

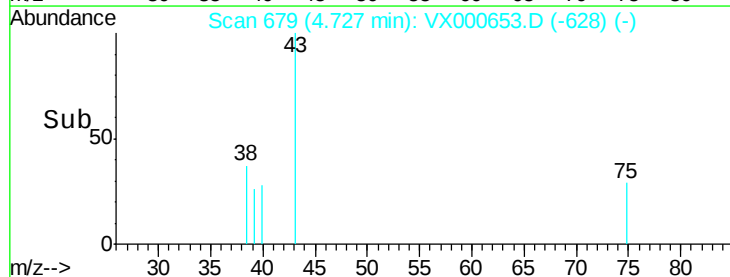
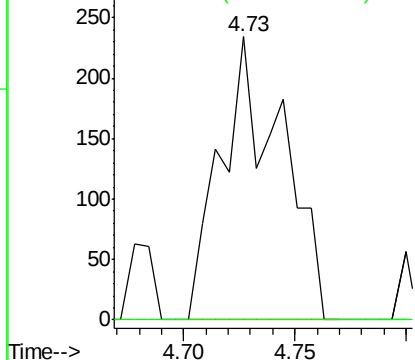


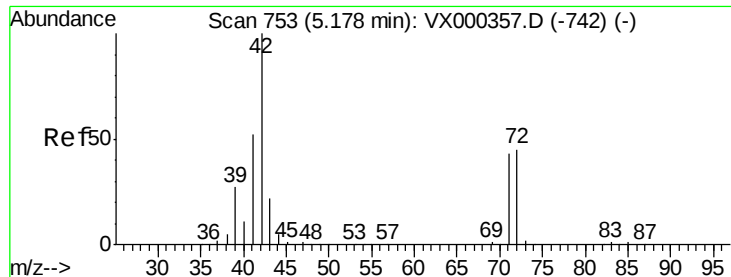
#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Tgt Ion: 43 Resp: 448
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

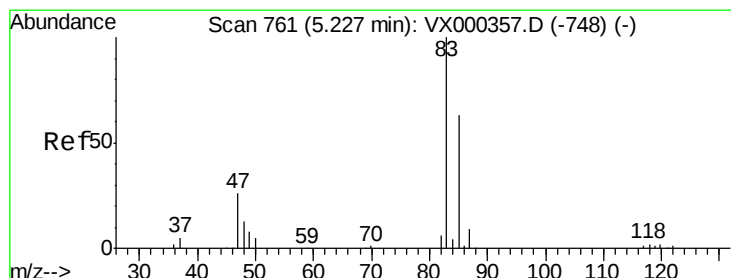
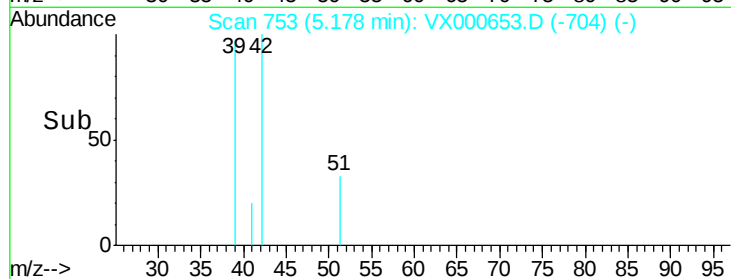
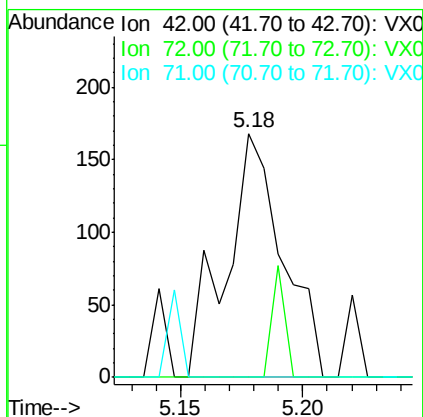
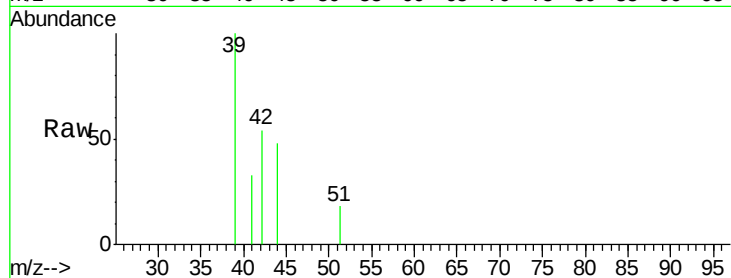




#29
Tetrahydrofuran
Concen: 0.29 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

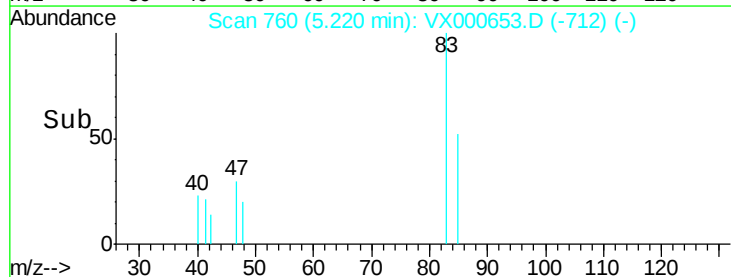
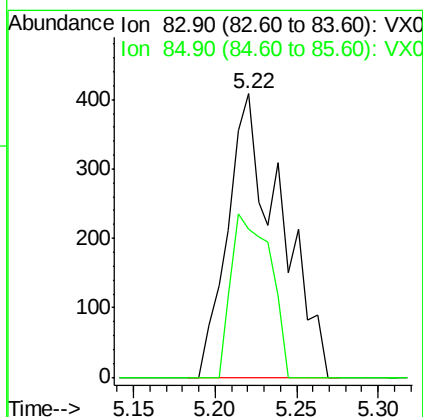
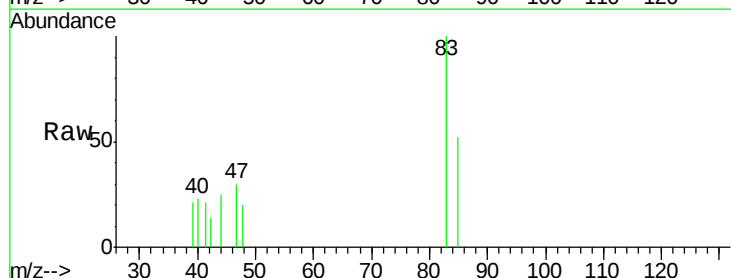
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MSVOA_X
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LOWER-CONCRETE-SLAB-2

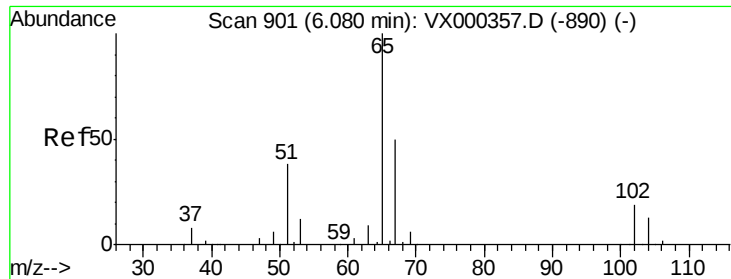
Tgt Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 10.4 37.9 56.9#
71 0.0 34.4 51.6#



#30
Chloroform
Concen: 0.37 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Tgt Ion: 83 Resp: 914
Ion Ratio Lower Upper
83 100
85 52.5 53.3 79.9#

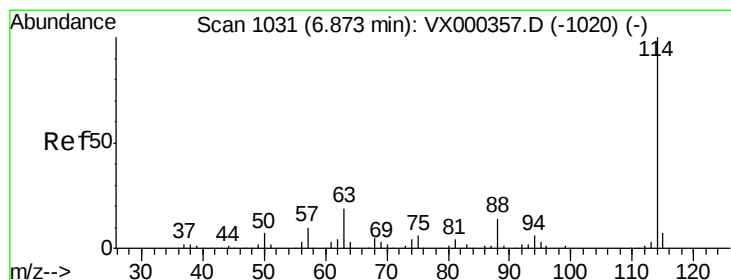
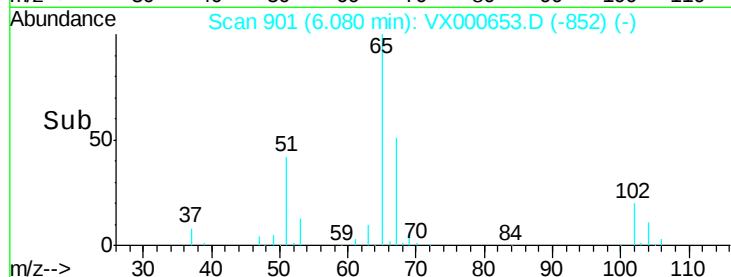
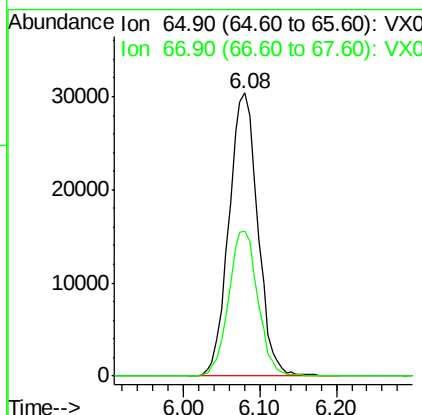
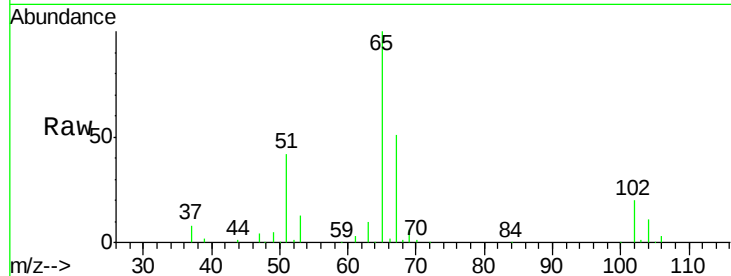




#33
 1,2-Dichloroethane-d4
 Concen: 48.85 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000653.D
 Acq: 03 Apr 2018 14:43

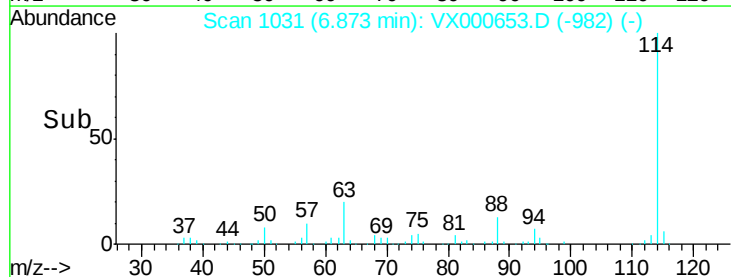
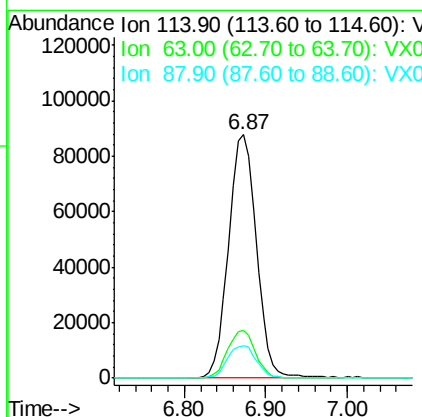
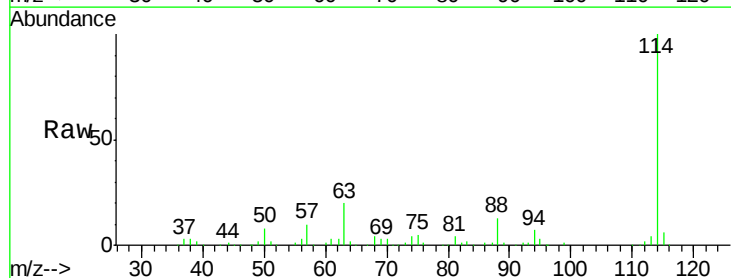
Instrument :
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 LOWER-CONCRETE-SLAB-2

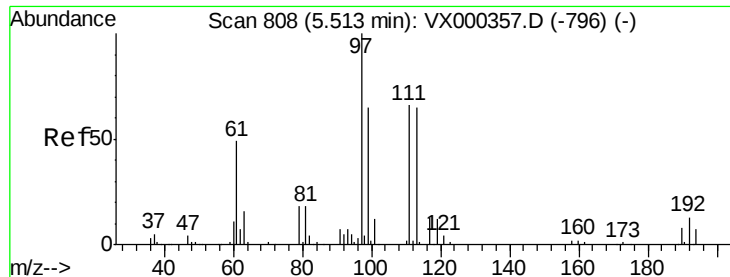
Tgt Ion: 65 Resp: 79345
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000653.D
 Acq: 03 Apr 2018 14:43

Tgt Ion: 114 Resp: 207226
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.4
 88 13.2 0.0 27.0





#35

Dibromofluoromethane

Concen: 46.34 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-2

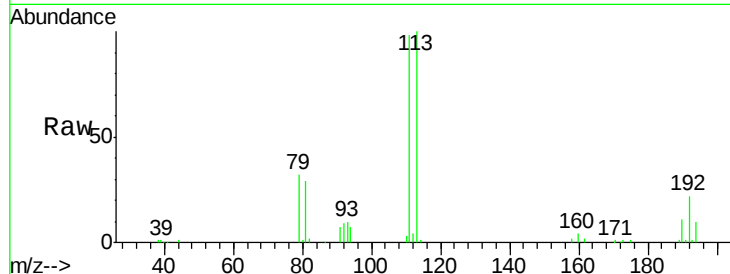
Tgt Ion:113 Resp: 60505

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

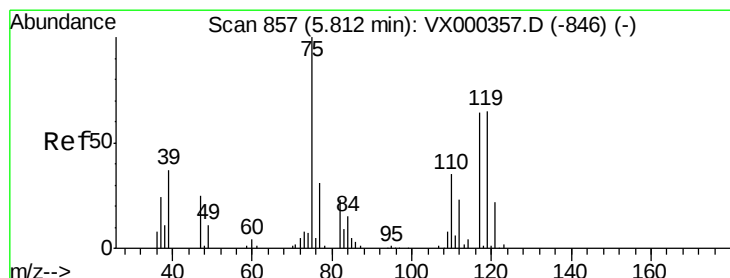
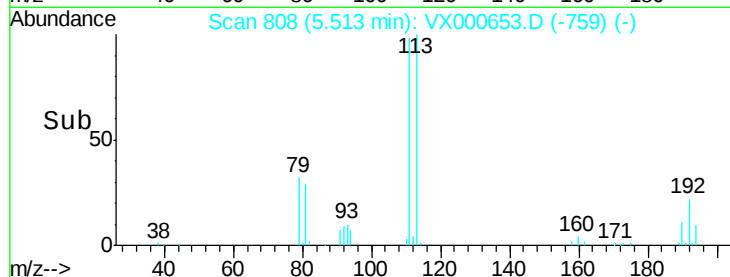
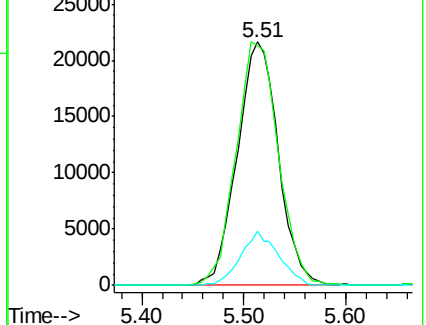
192 20.5 15.8 23.6



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: 5.12 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

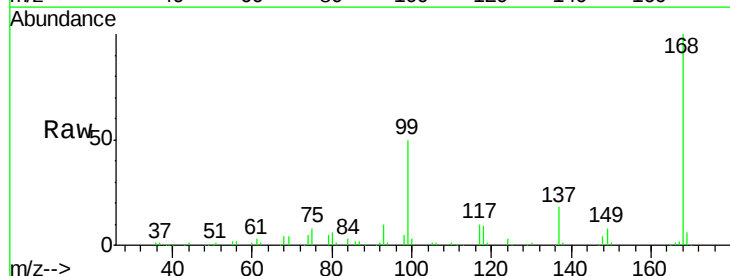
Tgt Ion: 75 Resp: 9931

Ion Ratio Lower Upper

75 100

110 11.0 17.9 53.7#

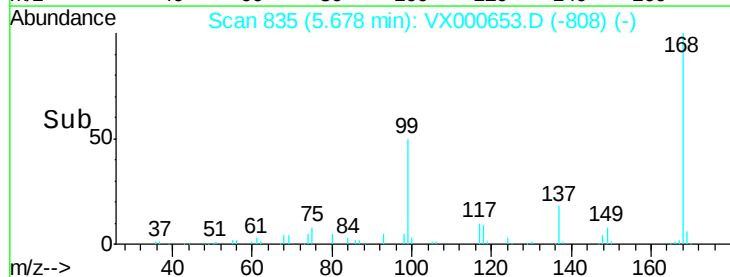
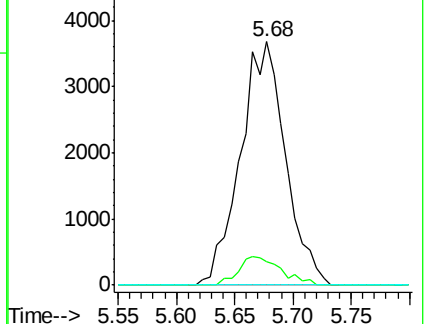
77 0.0 24.0 36.0#

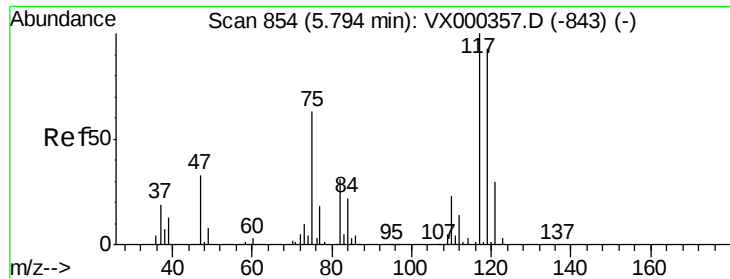


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-2

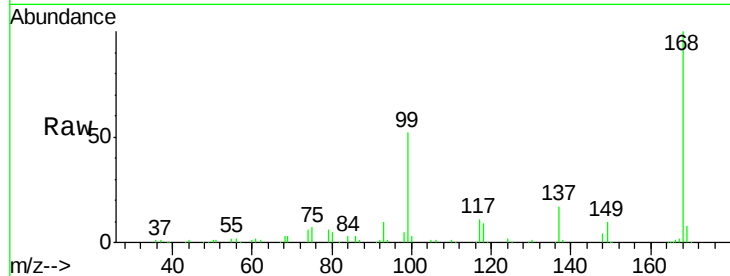
Tgt Ion:117 Resp: 13029

Ion Ratio Lower Upper

117 100

119 3.1 77.4 116.2#

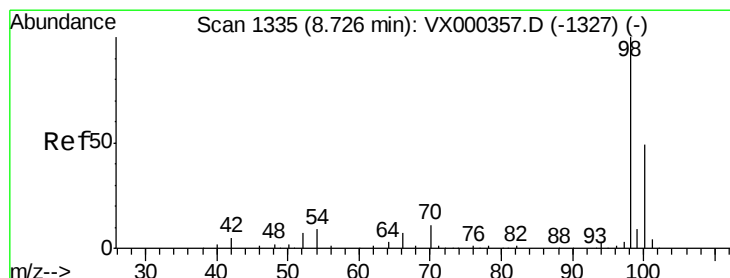
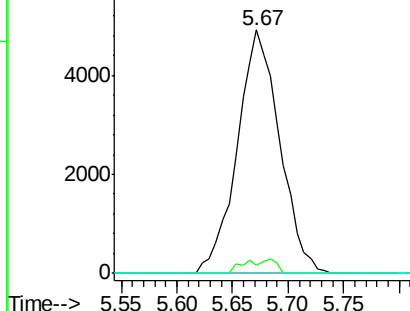
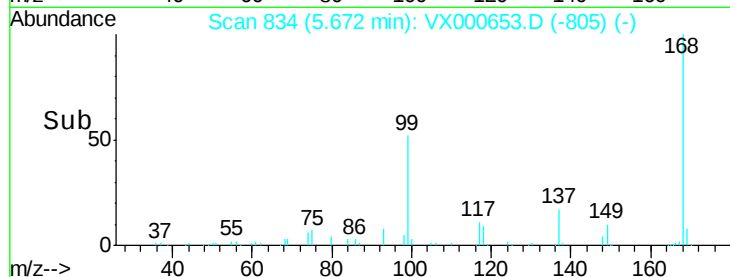
121 0.0 24.8 37.2#



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: 48.39 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000653.D

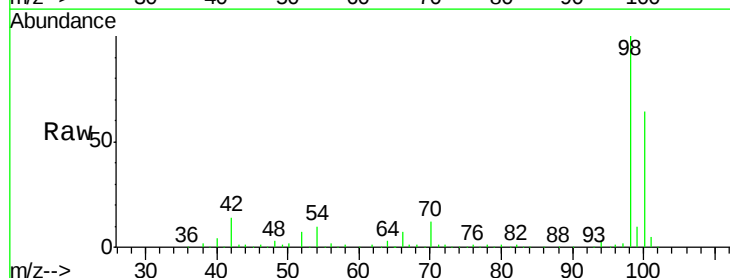
Acq: 03 Apr 2018 14:43

Tgt Ion: 98 Resp: 261699

Ion Ratio Lower Upper

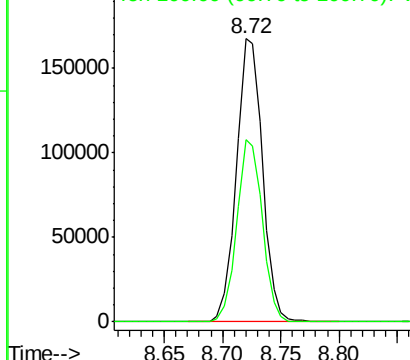
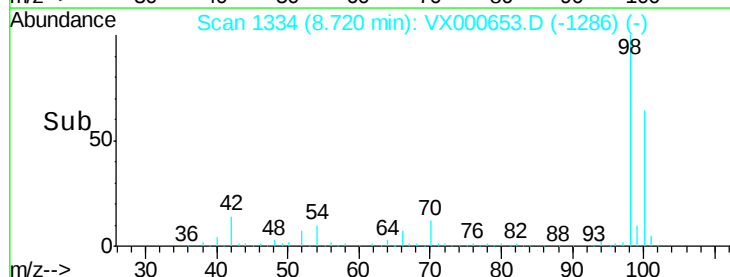
98 100

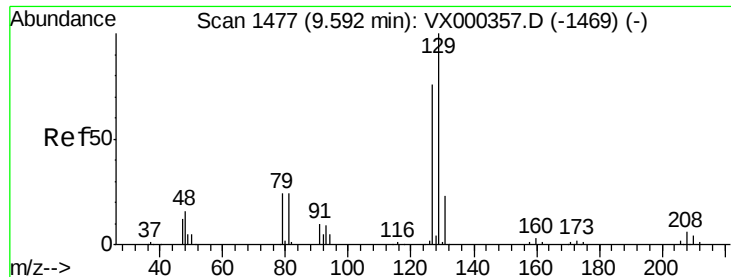
100 62.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 4.14 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

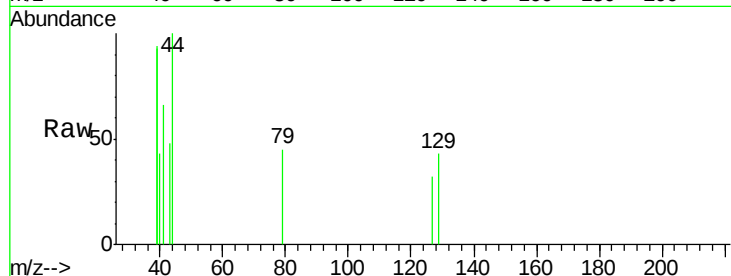
LOWER-CONCRETE-SLAB-2

Tgt Ion:129 Resp: 50

Ion Ratio Lower Upper

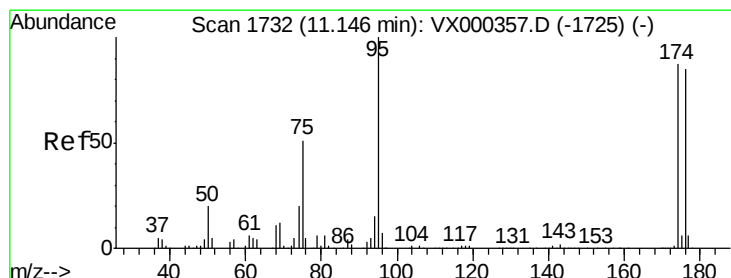
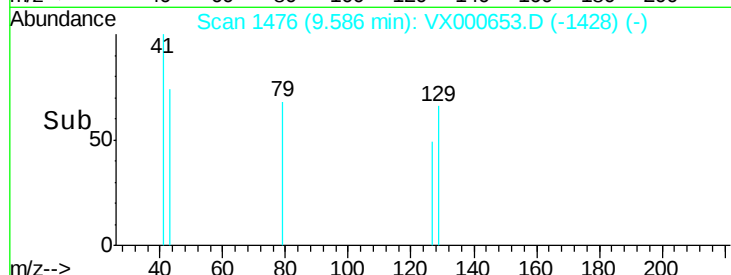
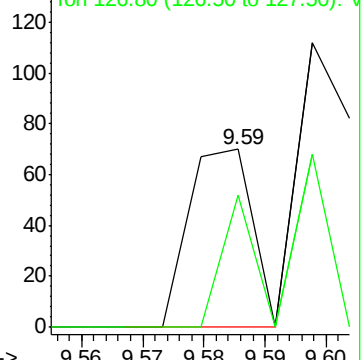
129 100

127 38.0 37.9 113.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.15 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

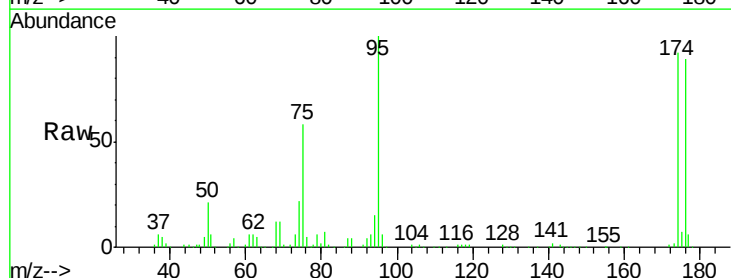
Tgt Ion: 95 Resp: 91177

Ion Ratio Lower Upper

95 100

174 90.8 0.0 173.6

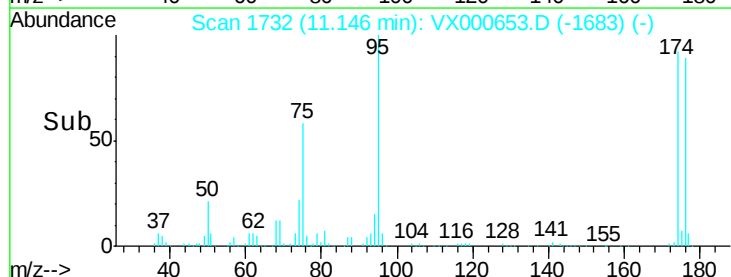
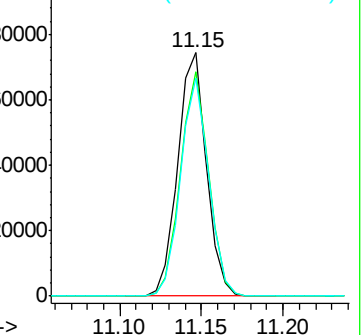
176 88.4 0.0 164.6

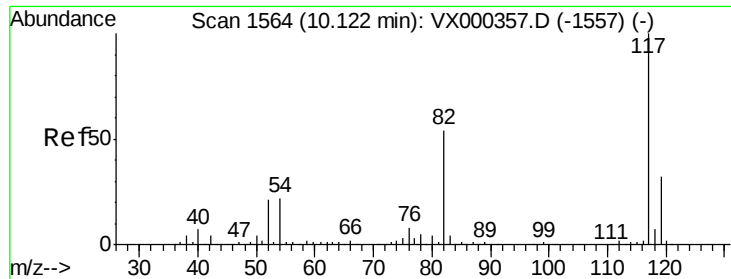


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

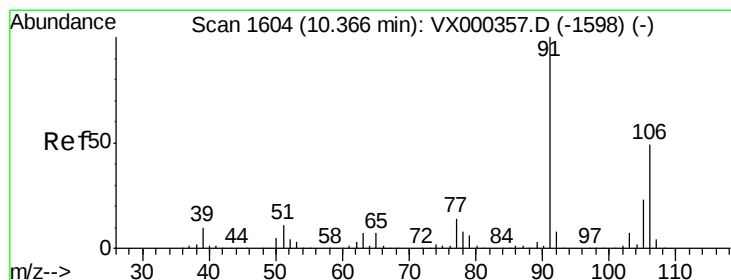
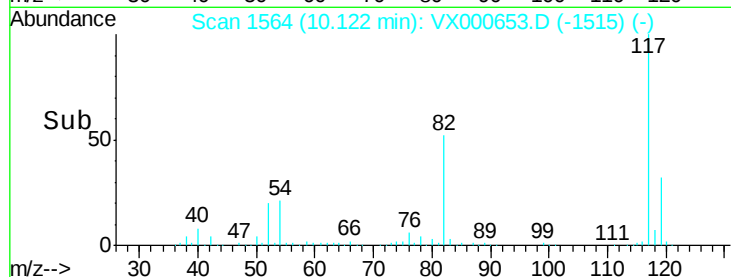
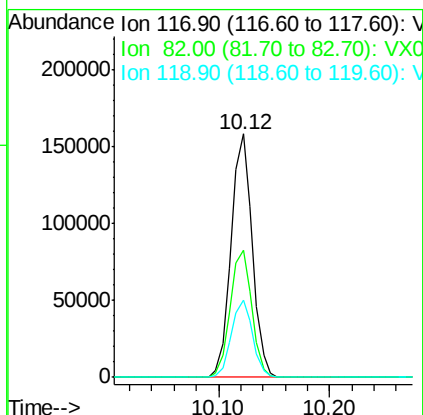
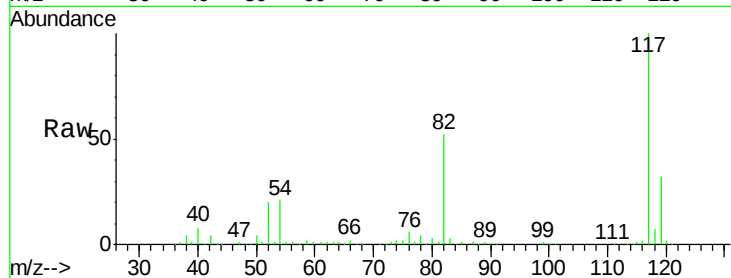




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

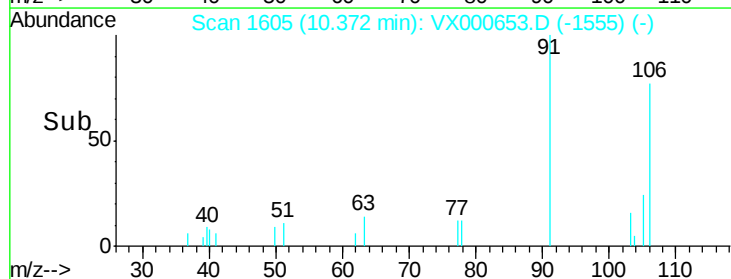
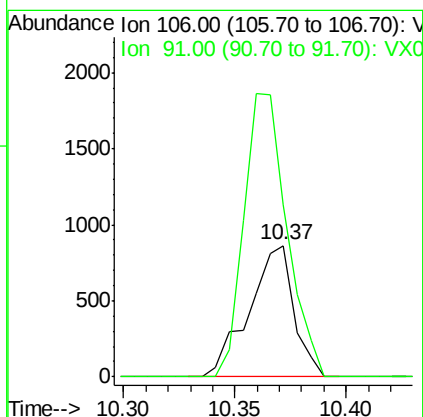
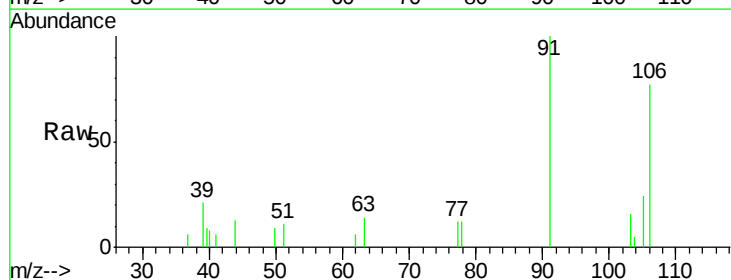
Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-2

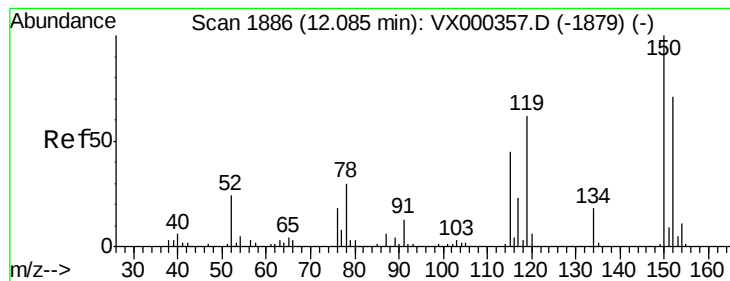
Tgt Ion:117 Resp: 207717
Ion Ratio Lower Upper
117 100
82 52.0 43.8 65.8
119 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 10.37 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Tgt Ion:106 Resp: 1211
Ion Ratio Lower Upper
106 100
91 206.3 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-2

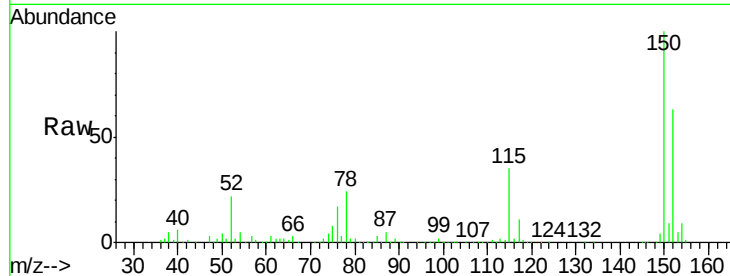
Tgt Ion:152 Resp: 112031

Ion Ratio Lower Upper

152 100

115 56.6 39.8 119.3

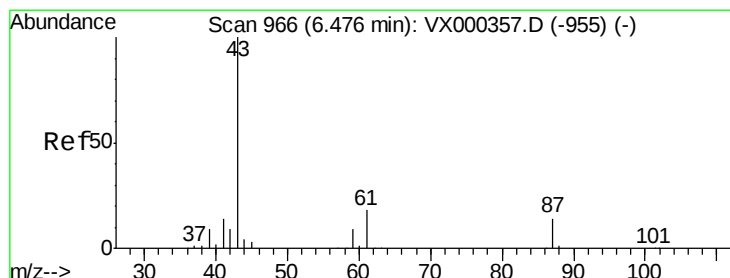
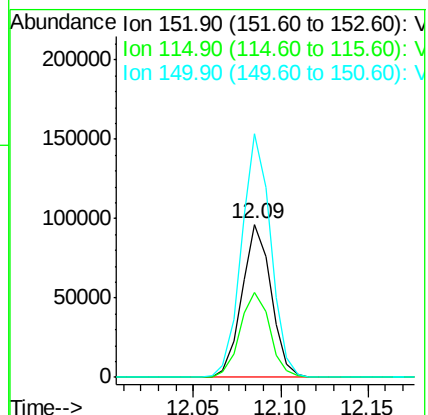
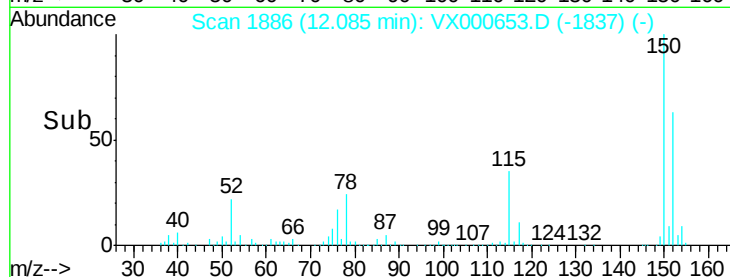
150 158.1 0.0 344.4



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-amil acetate

Concen: Below Cal

RT: 6.52 min Scan# 973

Delta R.T. 0.04 min

Lab File: VX000653.D

Acq: 03 Apr 2018 14:43

Tgt Ion: 43 Resp: 20

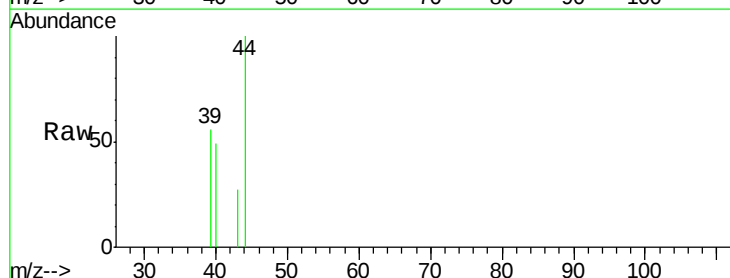
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

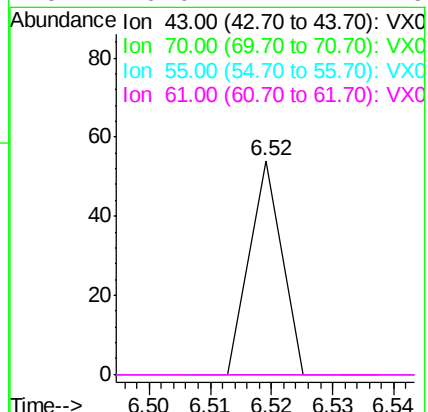
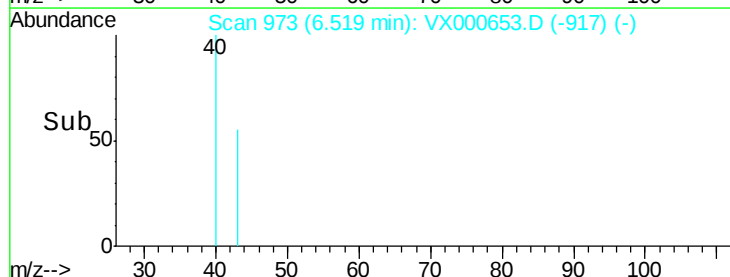


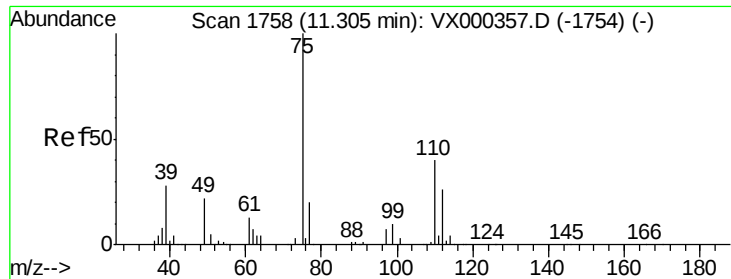
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

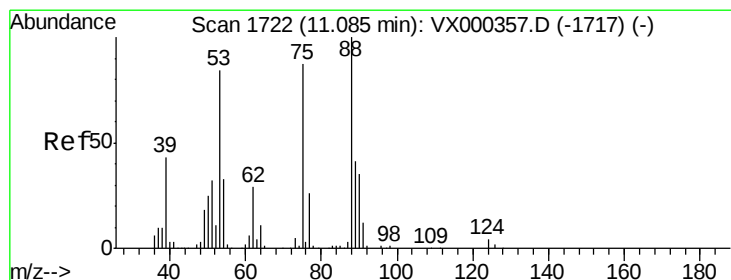
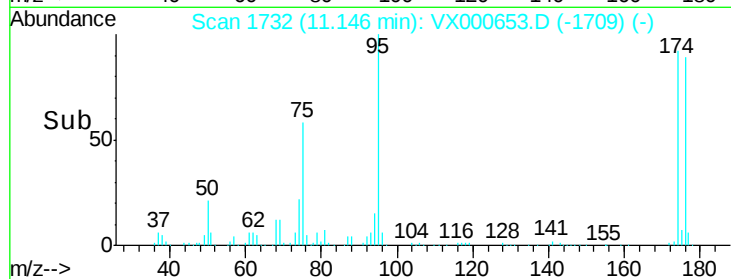
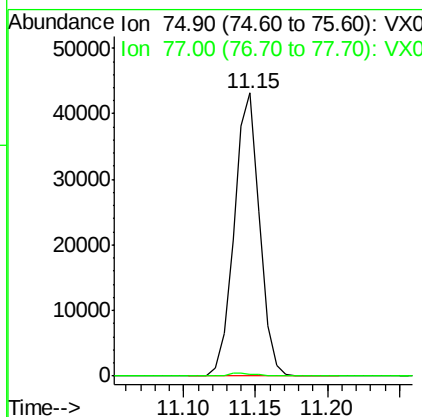
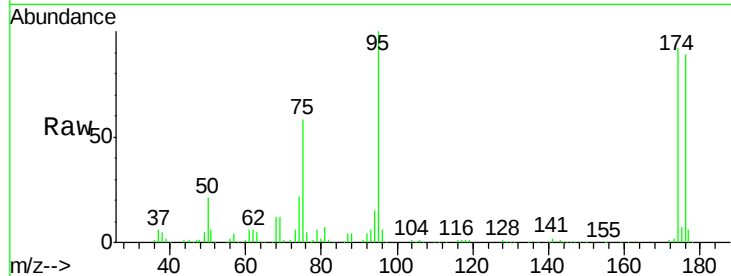




#76
 1,2,3-Trichloropropane
 Concen: 22.01 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000653.D
 Acq: 03 Apr 2018 14:43

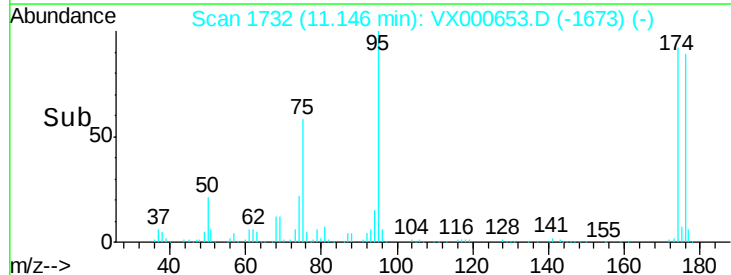
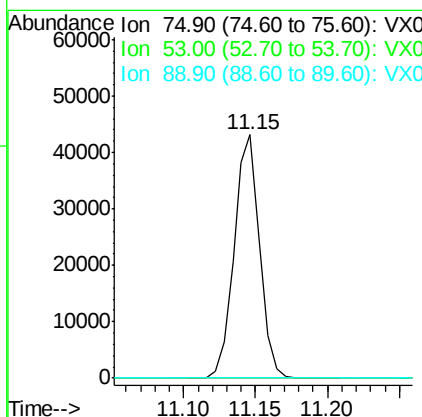
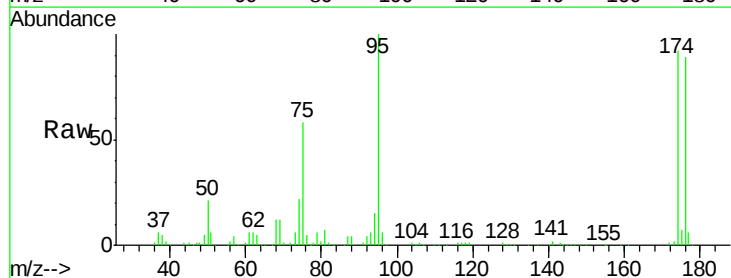
Instrument :
 MSVOA_X
 ClientSampleId :
 LOWER-CONCRETE-SLAB-2

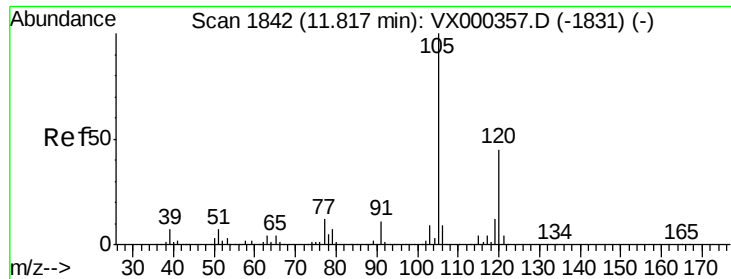
Tgt Ion: 75 Resp: 52984
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.25 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000653.D
 Acq: 03 Apr 2018 14:43

Tgt Ion: 75 Resp: 52984
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

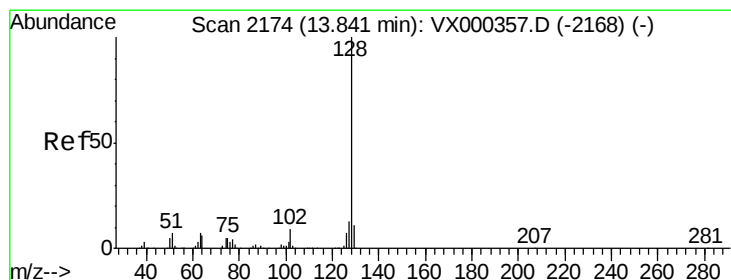
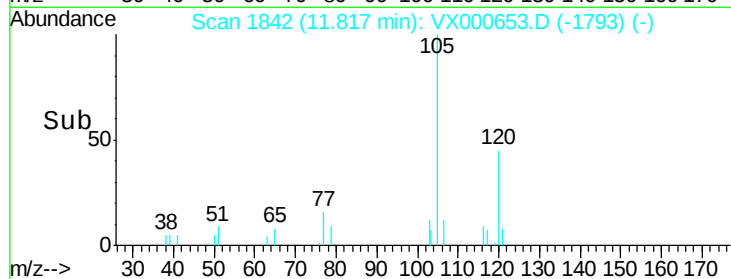
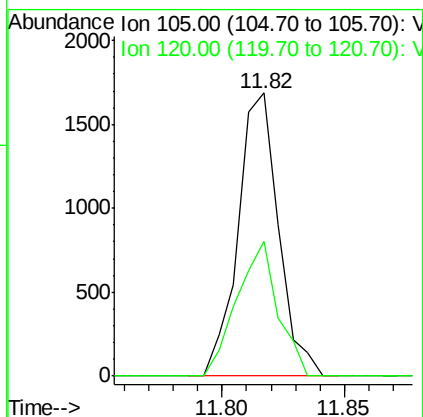
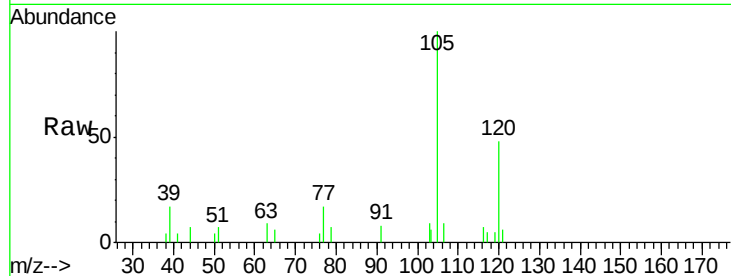




#84
1,2,4-Trimethylbenzene
Concen: 0.30 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-2

Tgt Ion:105 Resp: 1944
Ion Ratio Lower Upper
105 100
120 48.2 22.4 67.3



#95
Naphthalene
Concen: 1.37 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000653.D
Acq: 03 Apr 2018 14:43

Tgt Ion:128 Resp: 12583
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 11.9 8.9 13.3

