

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040318\
 Data File : VX000652.D
 Acq On : 03 Apr 2018 14:18
 Operator : JC/MD
 Sample : J2185-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOWER-CONCRETE-SLAB-1

Quant Time: Apr 04 02:56:10 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	127505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	208915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111998	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	81238	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.51	113	63033	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	8.72	98	260101	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.15	95	91471	41.36	ug/l	0.00
Spiked Amount			Recovery	=	82.72%	

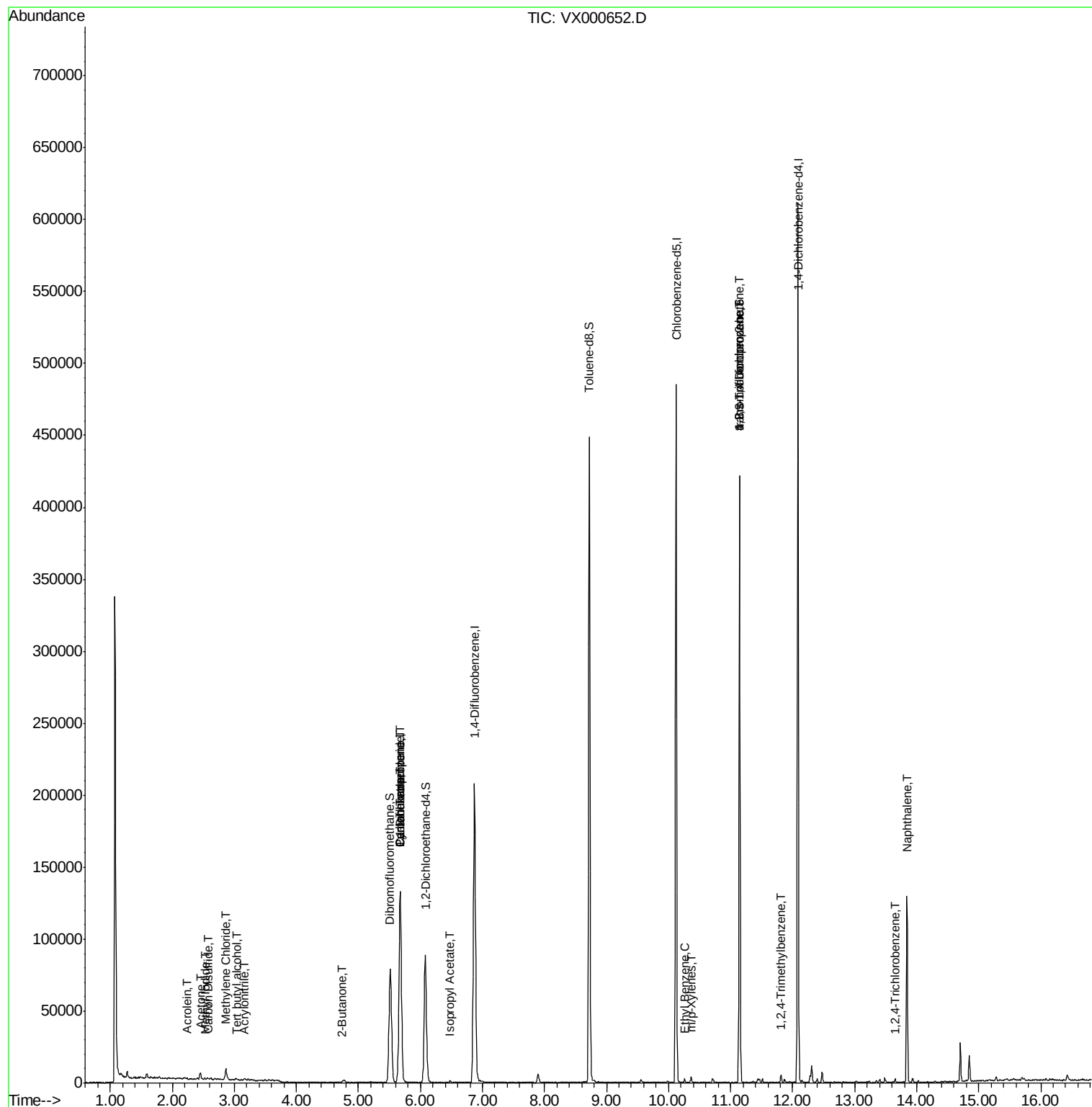
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	244	Below Cal	#	44
10) Methyl Iodide	2.53	142	121	4.35	ug/l	# 76
11) Tert butyl alcohol	3.03	59	654	1.14	ug/l	# 88
13) Acrolein	2.23	56	32	14.74	ug/l	# 13
14) Allyl chloride	2.74	41	202	Below Cal	#	40
15) Acrylonitrile	3.15	53	372	0.32	ug/l	# 94
16) Acetone	2.45	43	5078	3.67	ug/l	95
17) Carbon Disulfide	2.58	76	1083	0.31	ug/l	# 69
20) Methylene Chloride	2.87	84	3351	2.10	ug/l	# 86
25) 2-Butanone	4.73	43	710	0.46	ug/l	# 49
31) Cyclohexane	5.67	56	3031	1.44	ug/l	# 35
36) 1,1-Dichloropropene	5.67	75	10204	5.27	ug/l	# 47
38) Carbon Tetrachloride	5.67	117	12199	6.01	ug/l	# 16
43) Isopropyl Acetate	6.47	43	1466	0.37	ug/l	# 68
67) Ethyl Benzene	10.26	91	1996	0.25	ug/l	# 62
68) m/p-Xylenes	10.37	106	977	0.32	ug/l	93
74) N-amyl acetate	6.47	43	1466	Below Cal	#	69
76) 1,2,3-Trichloropropane	11.15	75	54639	22.70	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	54639	73.49	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.82	105	2474	0.38	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	619	0.24	ug/l	87
95) Naphthalene	13.84	128	75848	8.29	ug/l	99

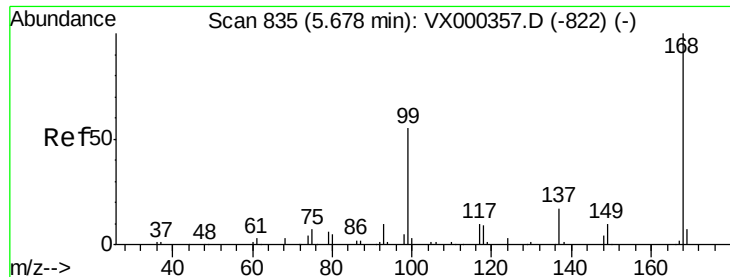
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

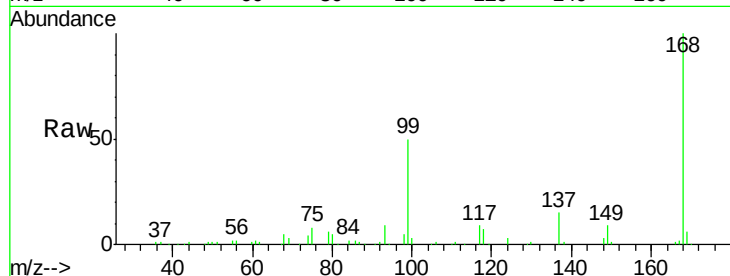
LOWER-CONCRETE-SLAB-1

Tgt Ion: 168 Resp: 127505

Ion Ratio Lower Upper

168 100

99 49.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

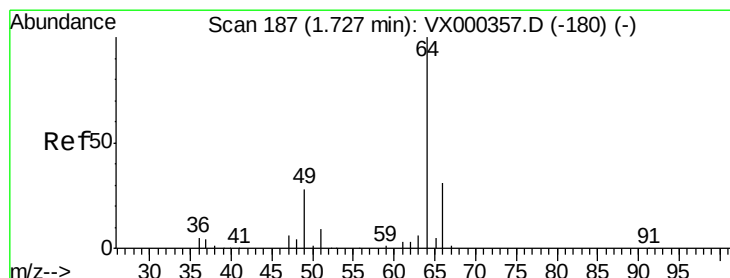
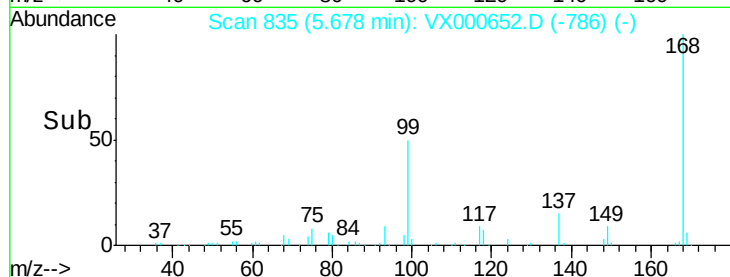
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000652.D

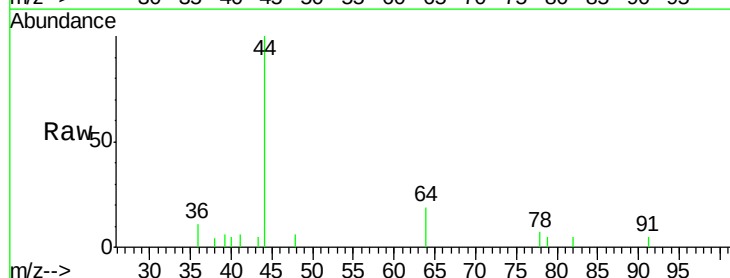
Acq: 03 Apr 2018 14:18

Tgt Ion: 64 Resp: 244

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

400

300

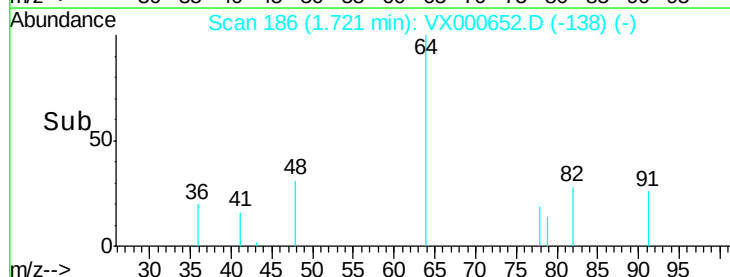
200

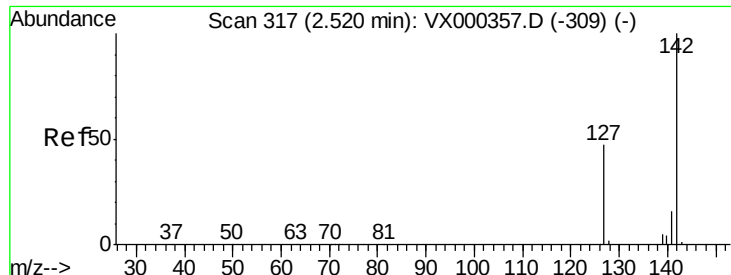
100

0

1.70 1.71 1.72 1.73

Time-->

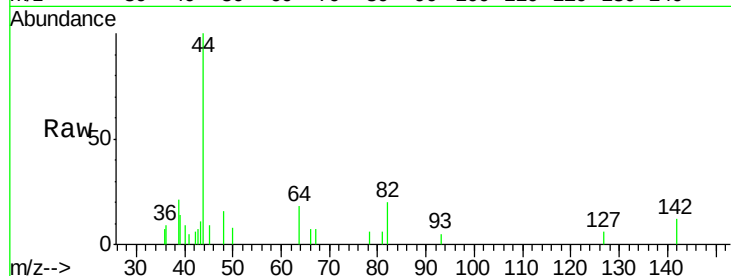




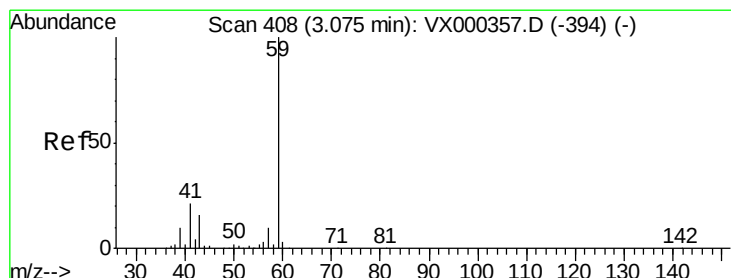
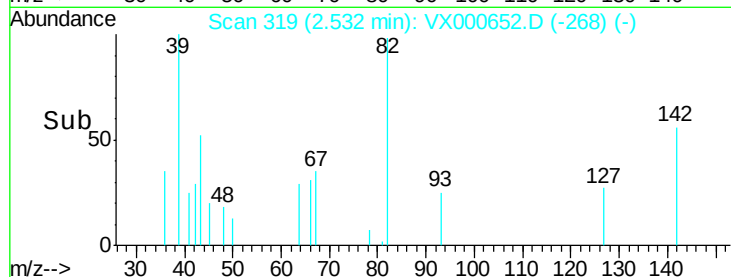
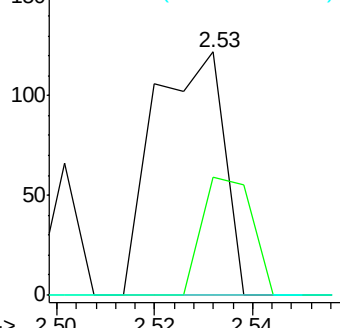
#10
Methyl Iodide
Concen: 4.35 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-1

Tgt Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 34.7 39.2 58.8#
141 0.0 11.7 17.5#

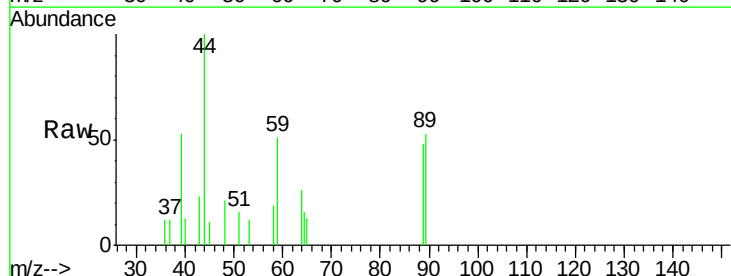


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

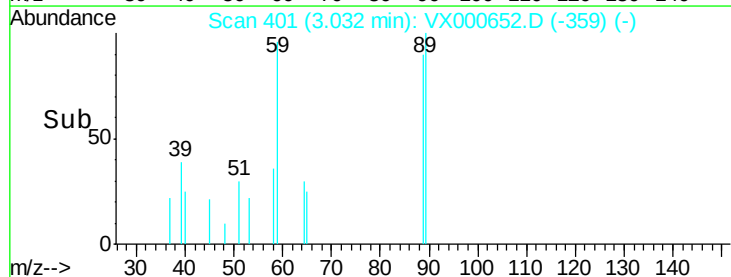
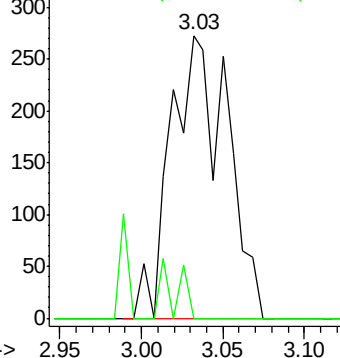


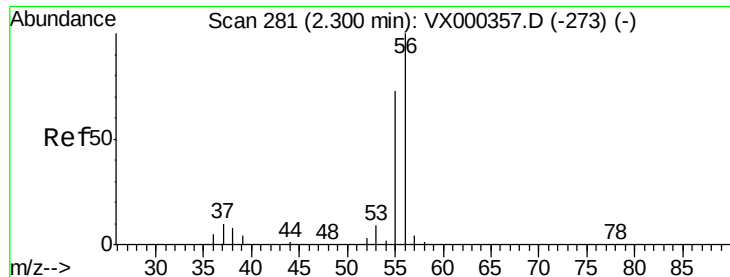
#11
Tert butyl alcohol
Concen: 1.14 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 6.1 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.74 ug/l

RT: 2.23 min Scan# 270

Delta R.T. -0.07 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

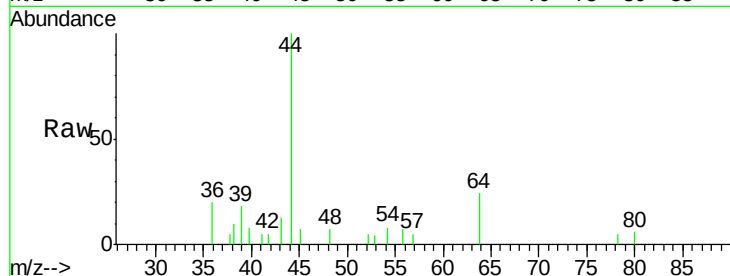
LOWER-CONCRETE-SLAB-1

Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

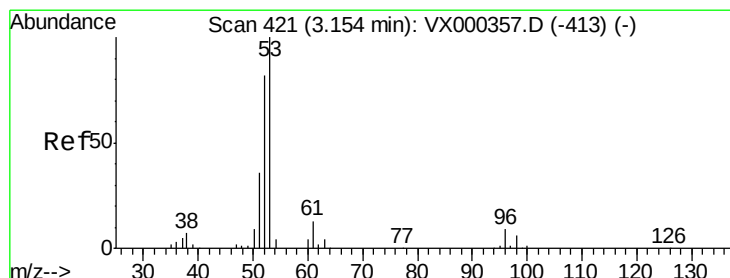
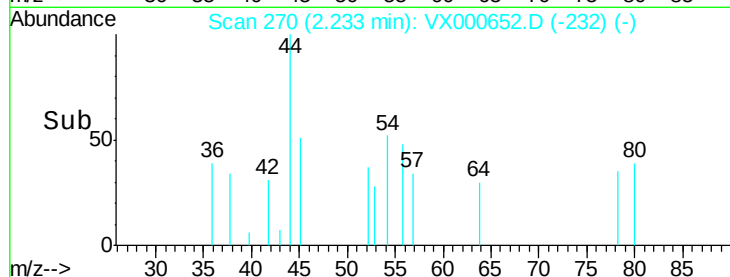
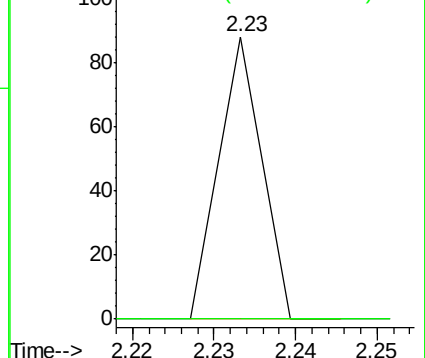
56 100

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: 0.32 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

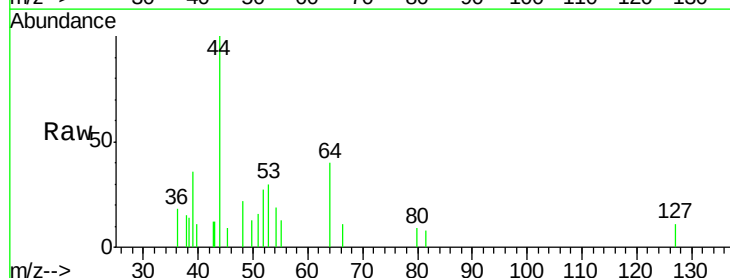
Tgt Ion: 53 Resp: 372

Ion Ratio Lower Upper

53 100

52 81.5 66.6 99.8

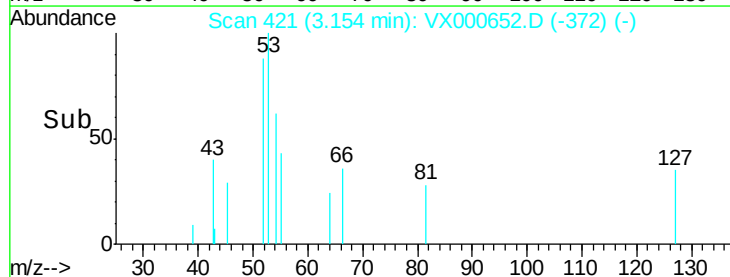
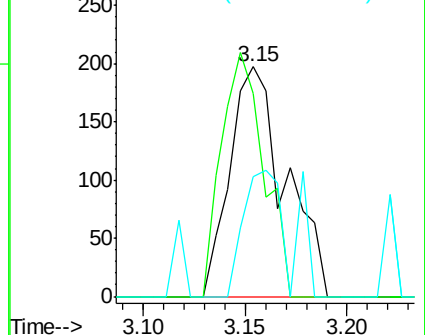
51 46.5 29.3 43.9#

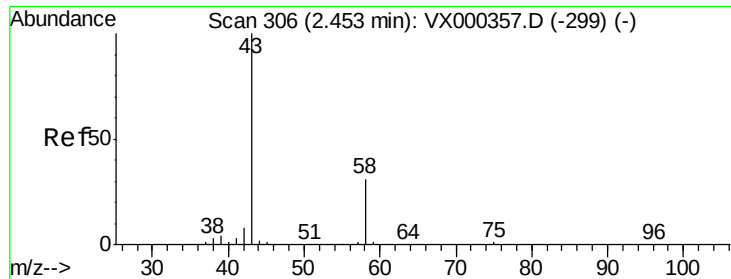


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.67 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

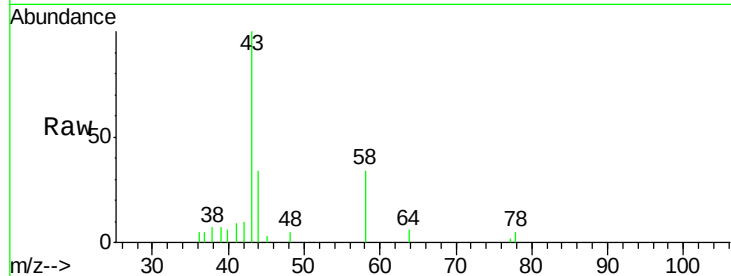
LOWER-CONCRETE-SLAB-1

Tgt Ion: 43 Resp: 5078

Ion Ratio Lower Upper

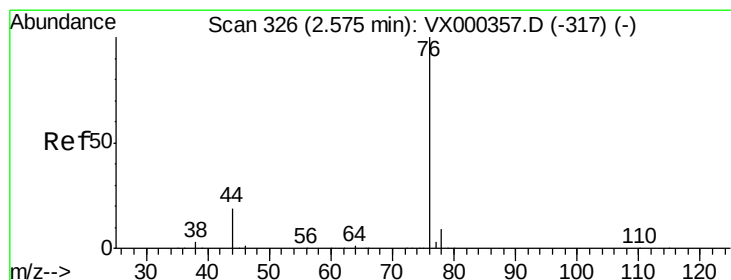
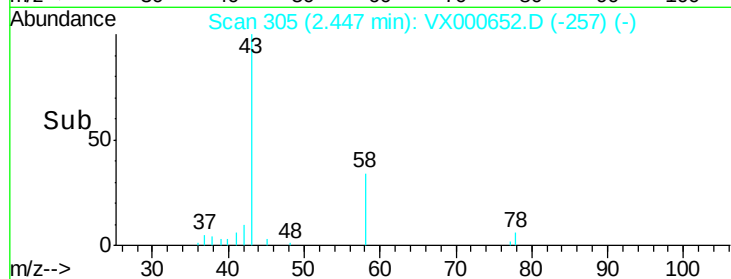
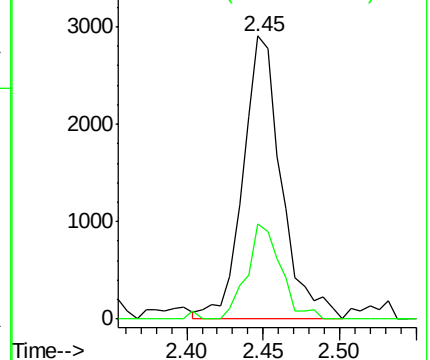
43 100

58 33.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000652.D

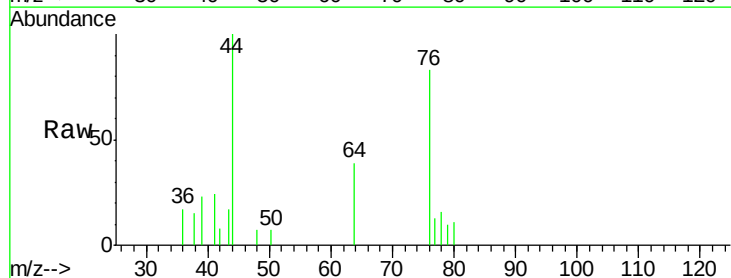
Acq: 03 Apr 2018 14:18

Tgt Ion: 76 Resp: 1083

Ion Ratio Lower Upper

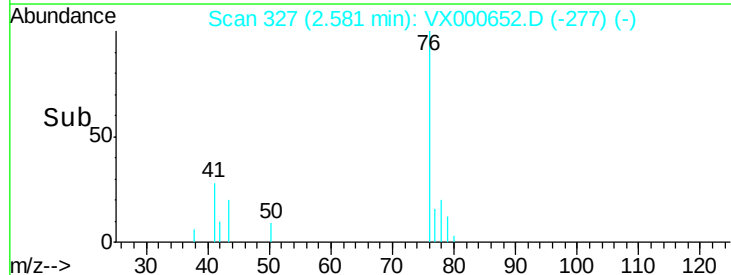
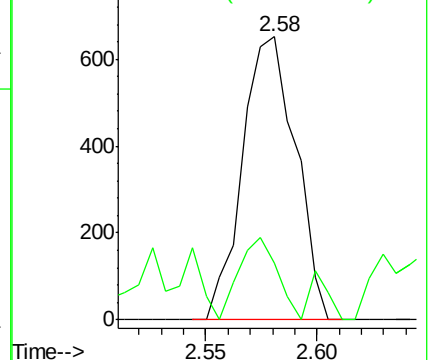
76 100

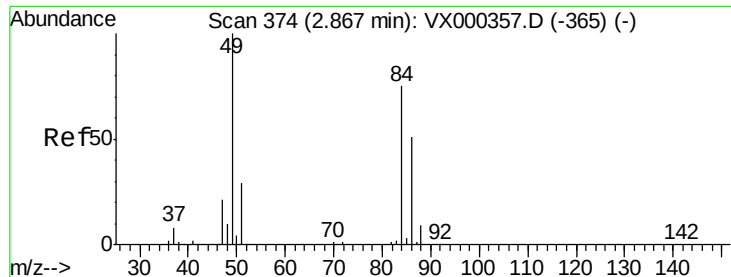
78 19.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

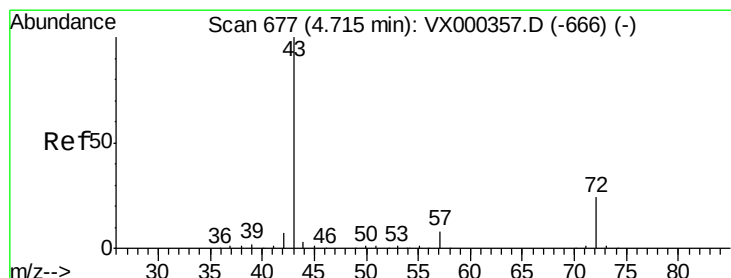
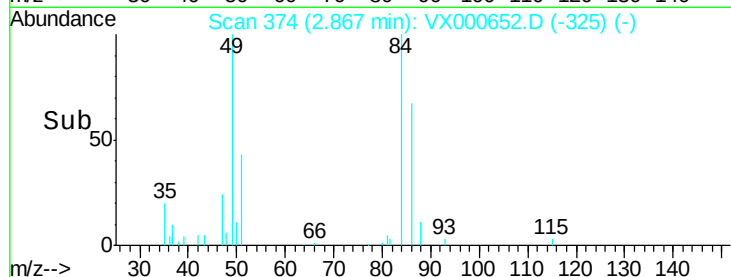
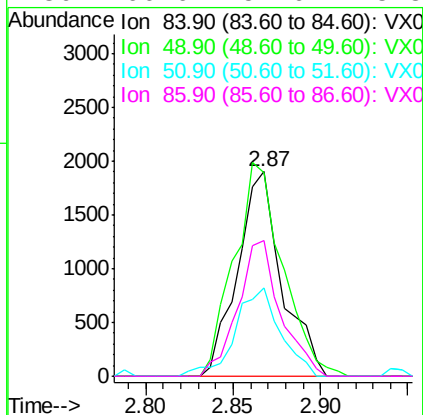
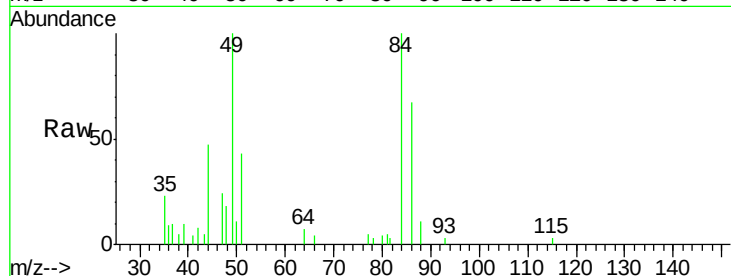




#20
Methylene Chloride
Concen: 2.10 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

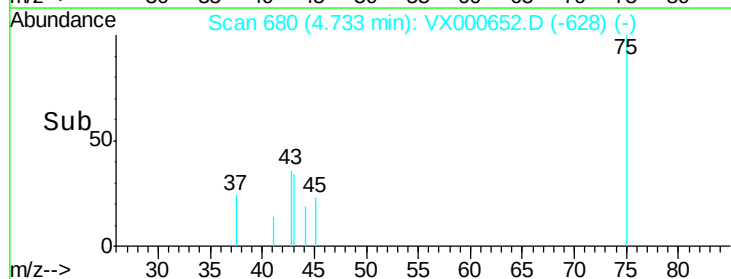
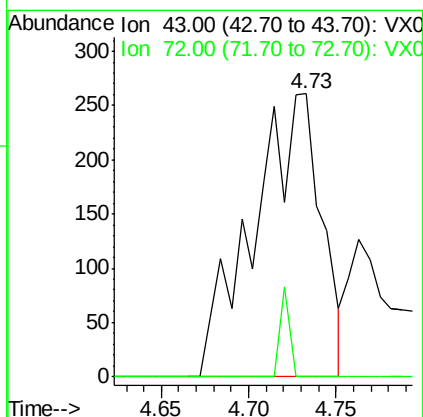
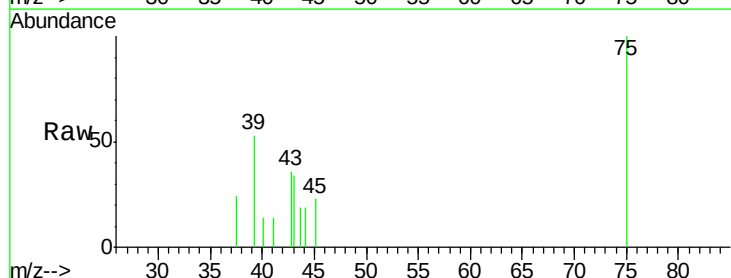
Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-1

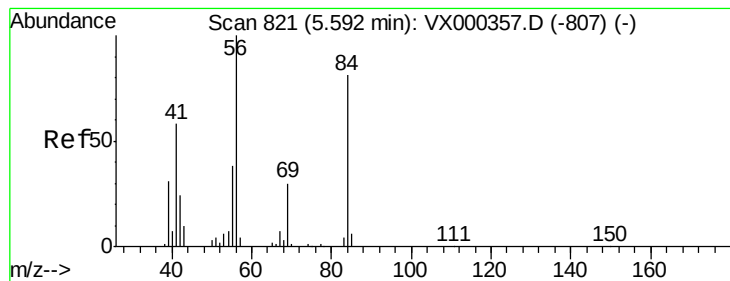
Tgt Ion:	84	Resp:	3351
Ion	Ratio	Lower	Upper
84	100		
49	99.5	100.6	151.0#
51	43.0	31.6	47.4
86	66.6	52.6	78.8



#25
2-Butanone
Concen: 0.46 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

Tgt Ion:	43	Resp:	710
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#31

Cyclohexane

Concen: 1.44 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-1

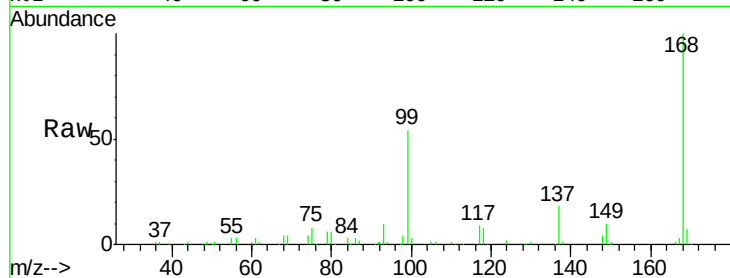
Tgt Ion: 56 Resp: 3031

Ion Ratio Lower Upper

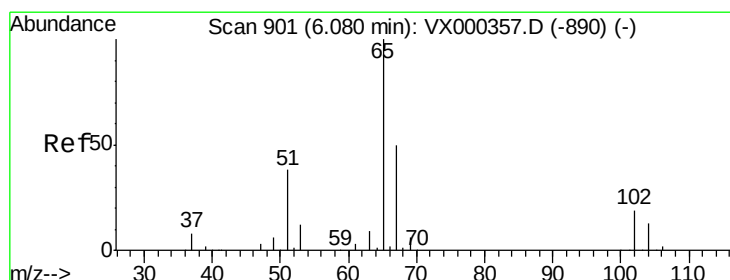
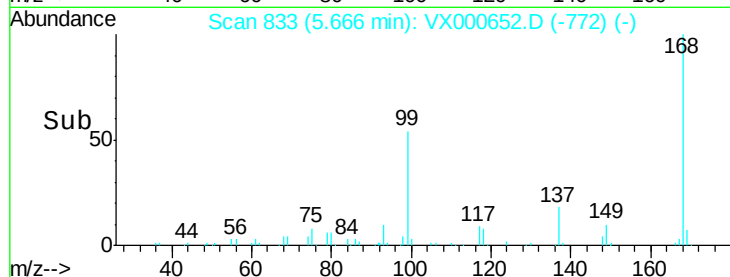
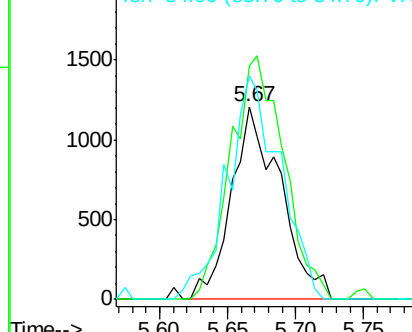
56 100

69 121.3 23.4 35.0#

84 116.2 71.0 106.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.81 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000652.D

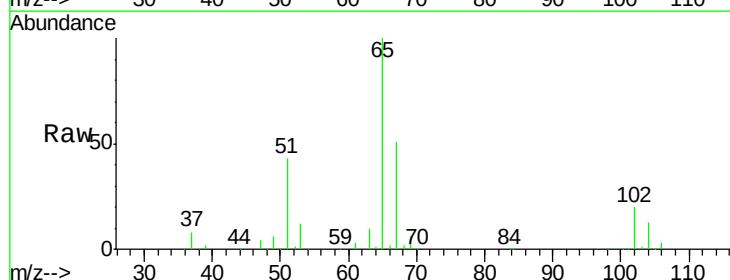
Acq: 03 Apr 2018 14:18

Tgt Ion: 65 Resp: 81238

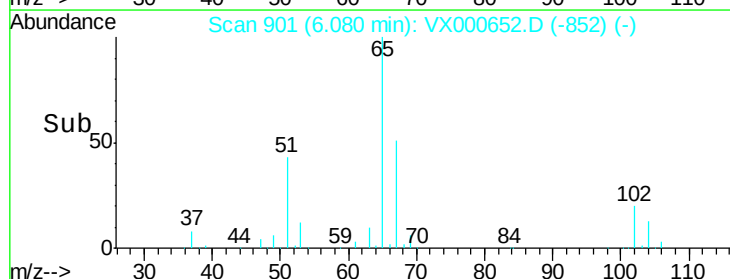
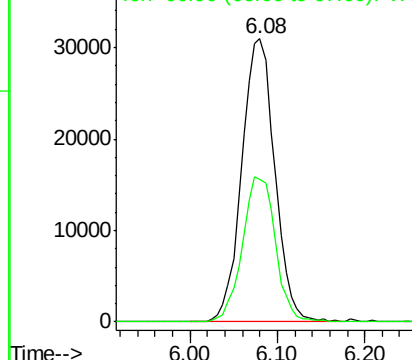
Ion Ratio Lower Upper

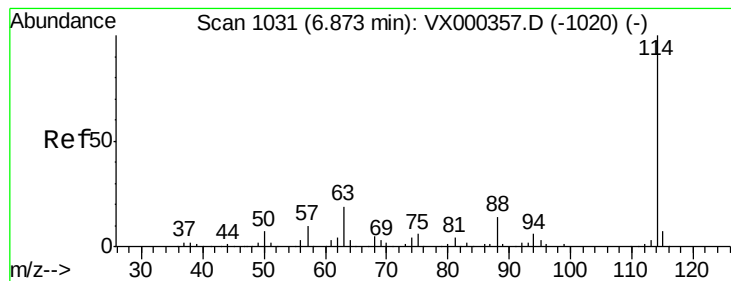
65 100

67 51.3 0.0 103.2



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# 1030

Delta R.T. -0.01 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-1

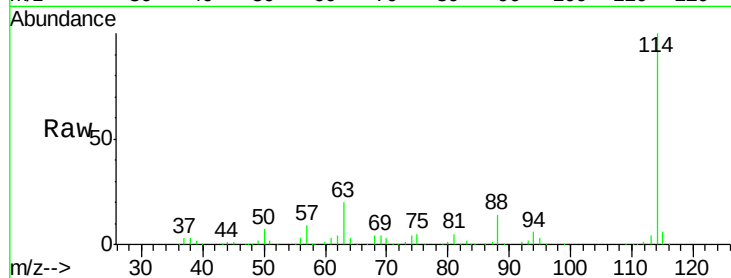
Tgt Ion:114 Resp: 206621

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

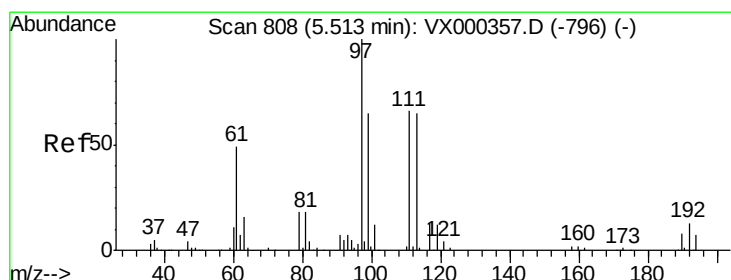
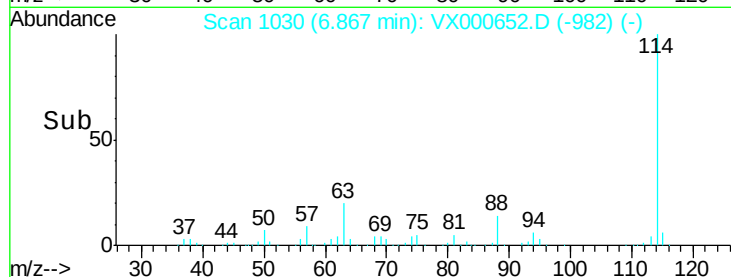
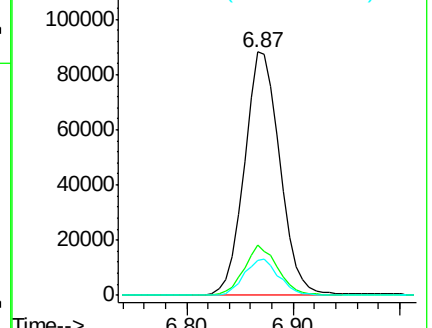
88 14.4 0.0 27.0



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: 48.42 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

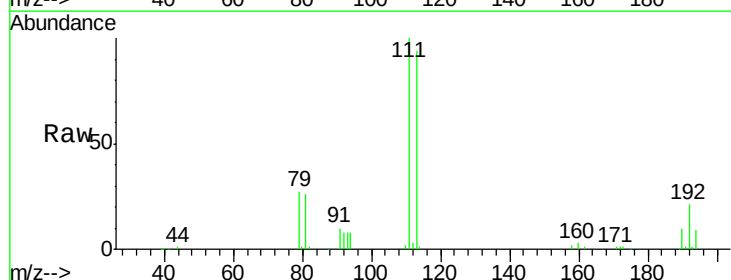
Tgt Ion:113 Resp: 63033

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

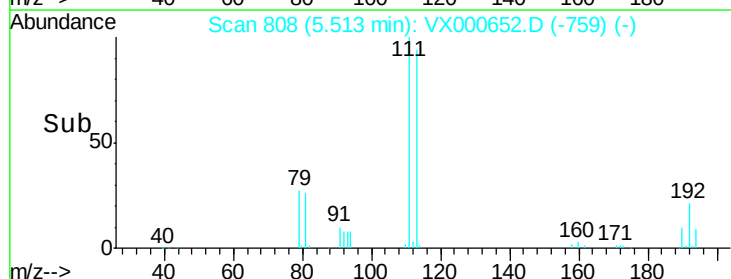
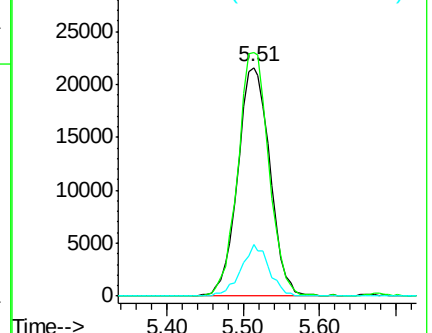
192 19.7 15.8 23.6

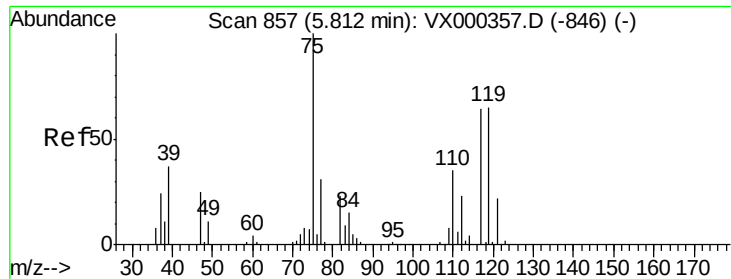


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.27 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-1

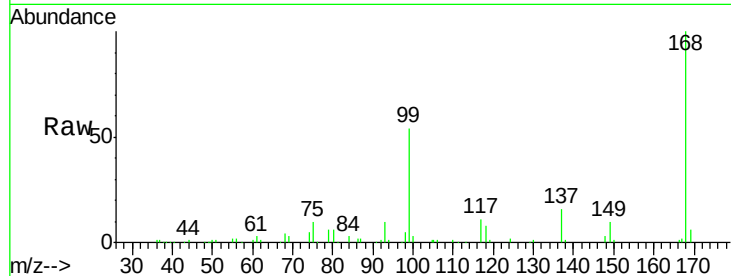
Tgt Ion: 75 Resp: 10204

Ion Ratio Lower Upper

75 100

110 5.9 17.9 53.7#

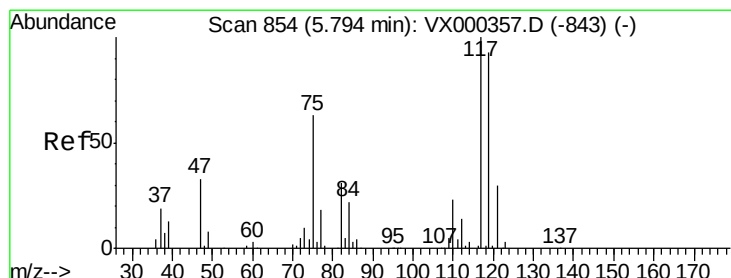
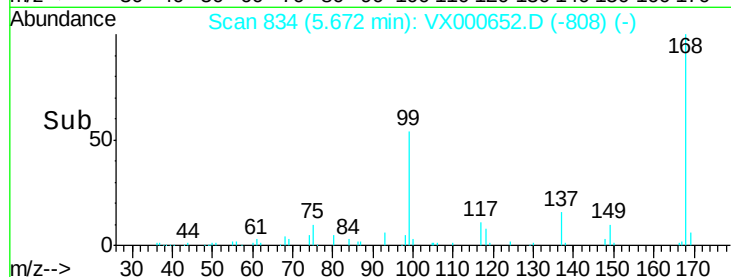
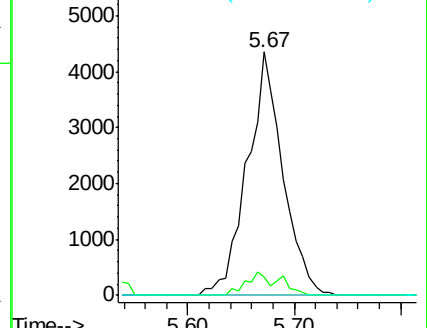
77 0.0 24.0 36.0#



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: 6.01 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

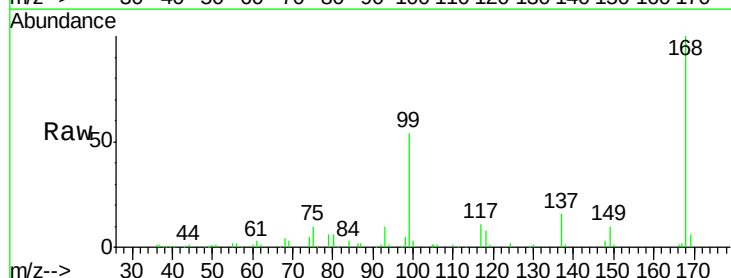
Tgt Ion: 117 Resp: 12199

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.2#

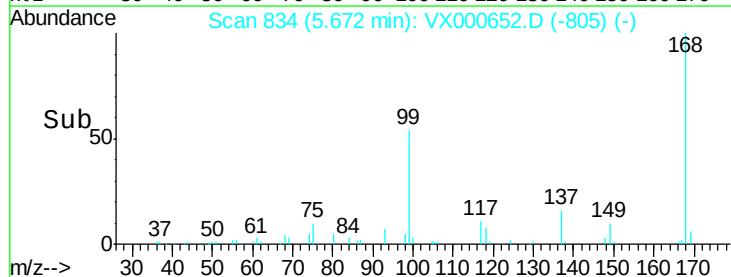
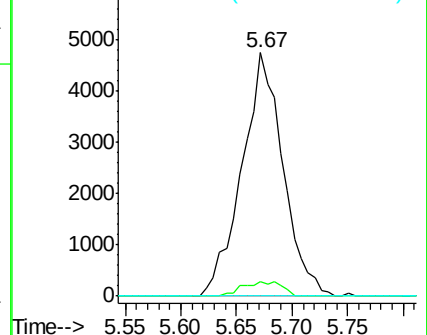
121 0.0 24.8 37.2#

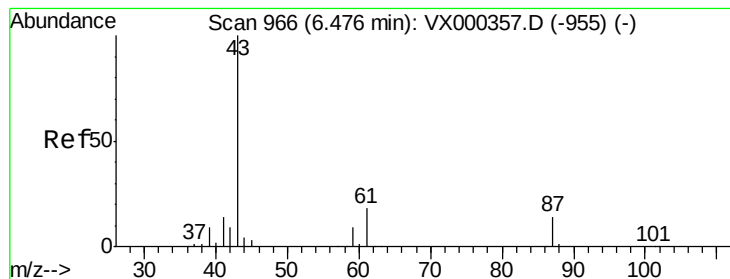


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-1

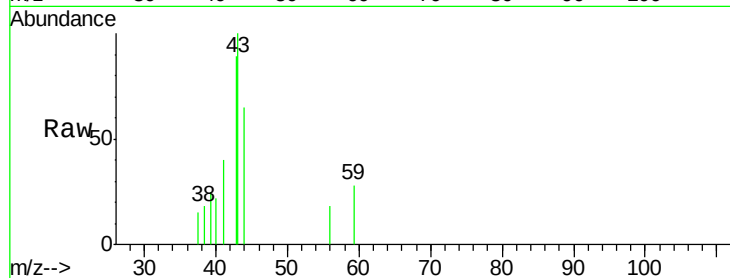
Tgt Ion: 43 Resp: 1466

Ion Ratio Lower Upper

43 100

61 4.3 14.4 21.6#

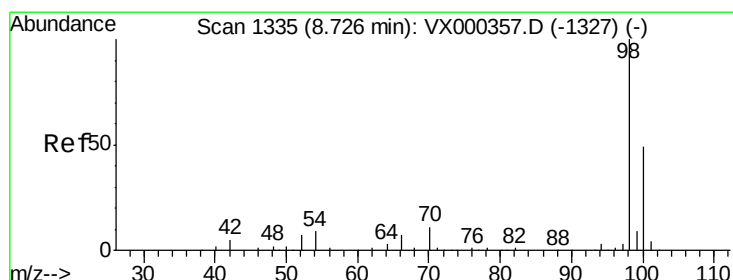
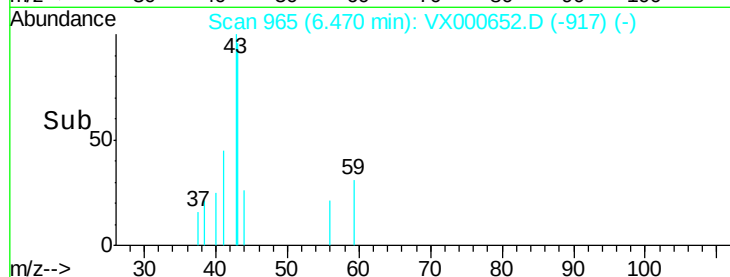
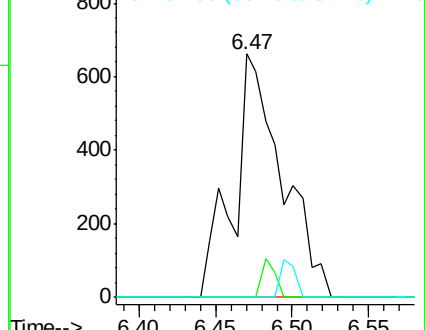
87 0.0 11.0 16.4#



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: 48.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000652.D

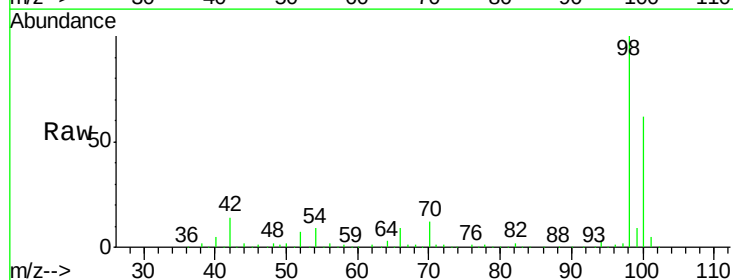
Acq: 03 Apr 2018 14:18

Tgt Ion: 98 Resp: 260101

Ion Ratio Lower Upper

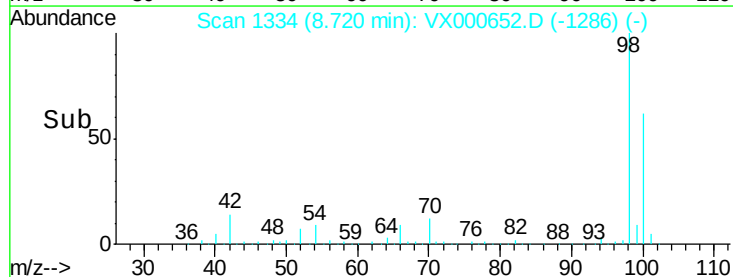
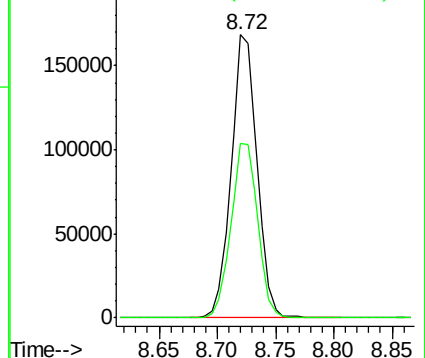
98 100

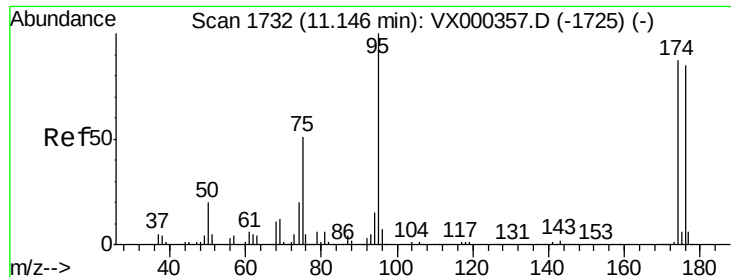
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 41.36 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOWER-CONCRETE-SLAB-1

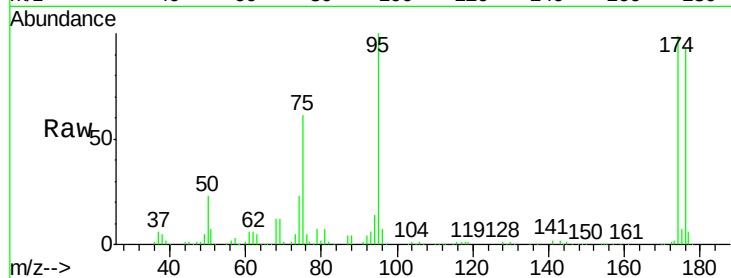
Tgt Ion: 95 Resp: 91471

Ion Ratio Lower Upper

95 100

174 93.1 0.0 173.6

176 91.0 0.0 164.6

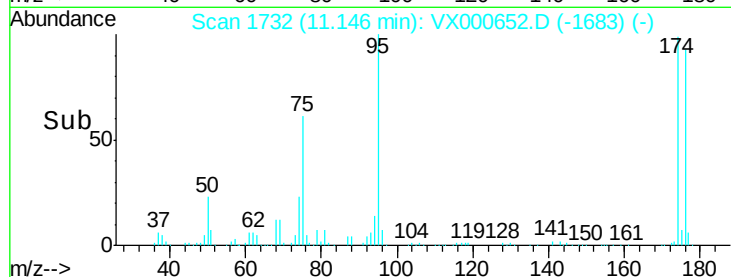


Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)

Time-->

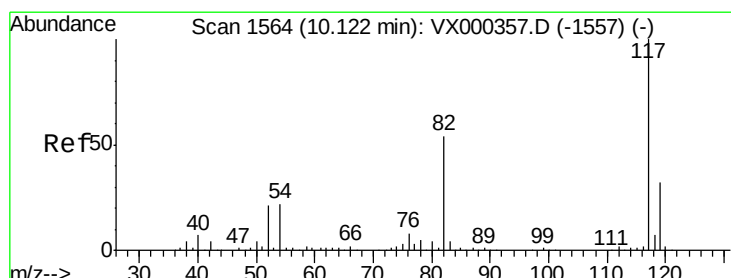


Abundance Ion 94.90 (94.60 to 95.60): VX000652.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000652.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000652.D (-1683) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

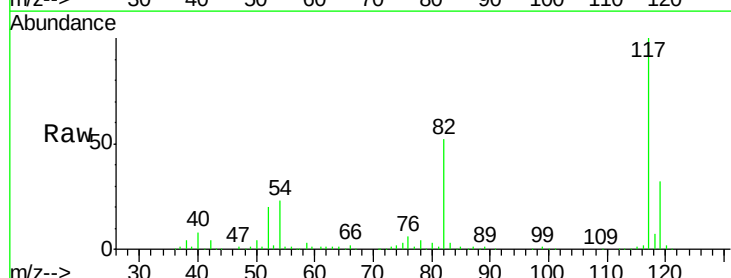
Tgt Ion: 117 Resp: 208915

Ion Ratio Lower Upper

117 100

82 52.0 43.8 65.8

119 31.8 24.9 37.3

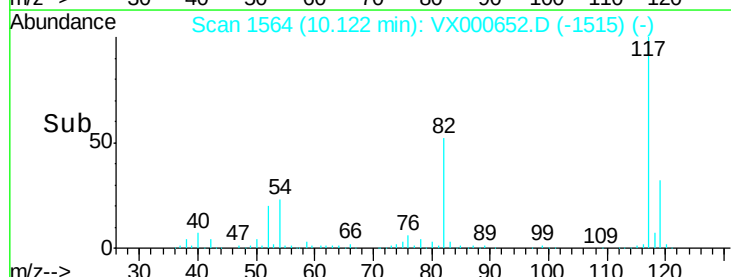


Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)

Time-->

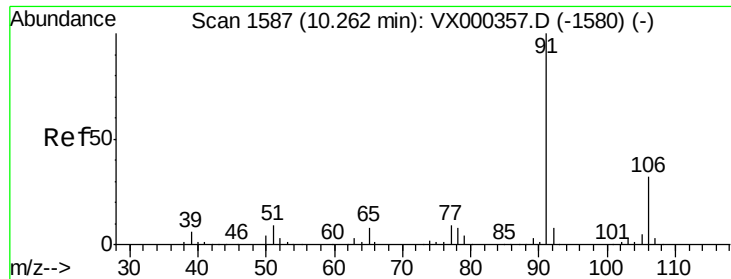


Abundance Ion 116.90 (116.60 to 117.60): VX000652.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000652.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000652.D (-1515) (-)

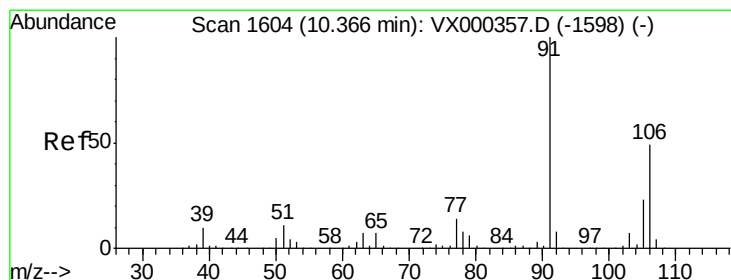
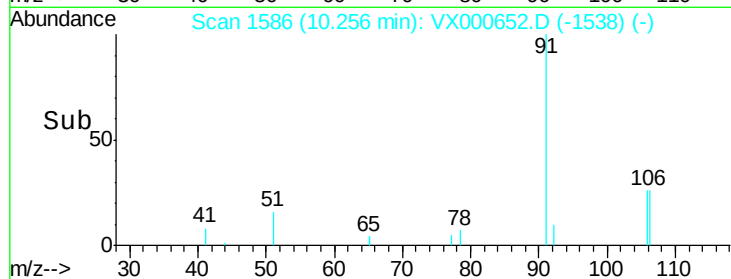
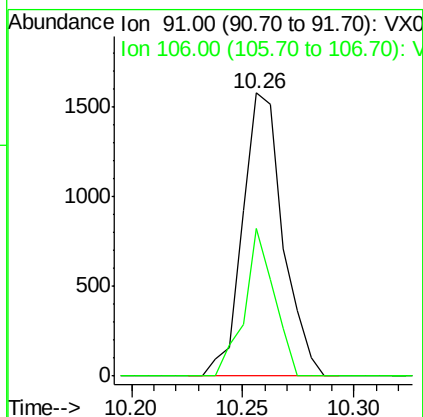
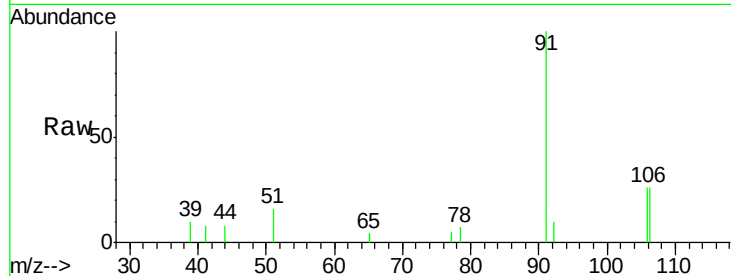
Time-->



#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

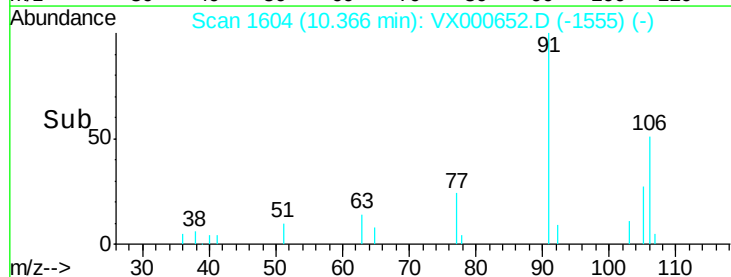
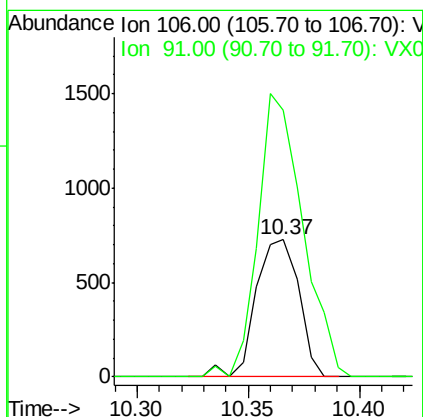
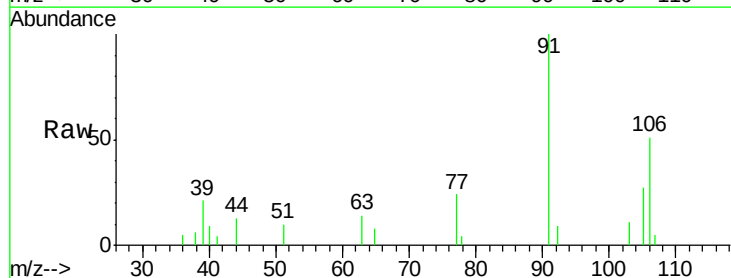
Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-1

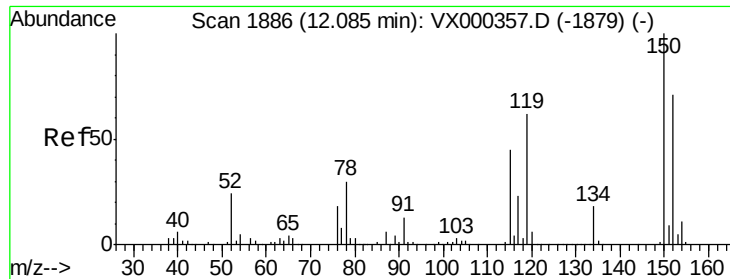
Tgt Ion: 91 Resp: 1996
Ion Ratio Lower Upper
91 100
106 52.0 25.0 37.6#



#68
m/p-Xylenes
Concen: 0.32 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

Tgt Ion: 106 Resp: 977
Ion Ratio Lower Upper
106 100
91 215.3 163.4 245.2

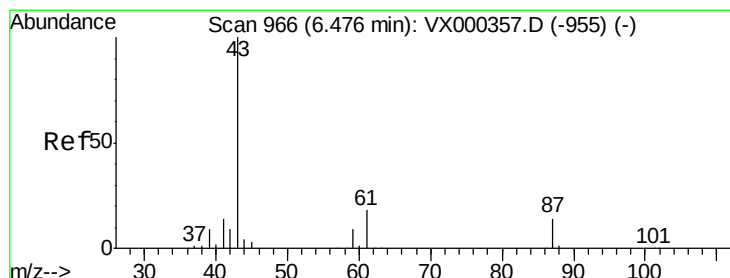
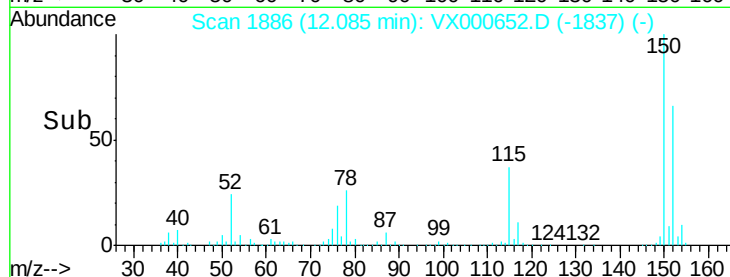
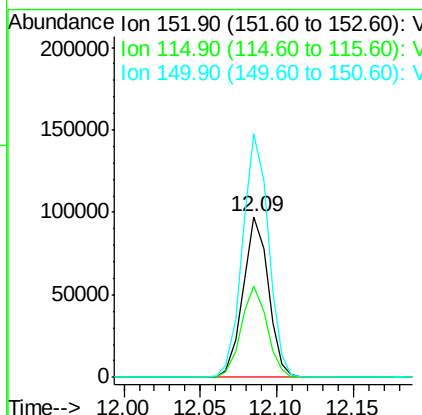
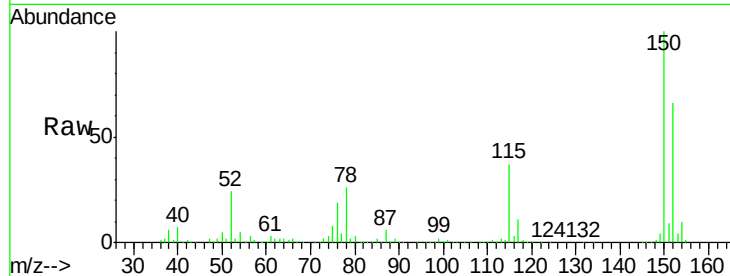




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000652.D
 Acq: 03 Apr 2018 14:18

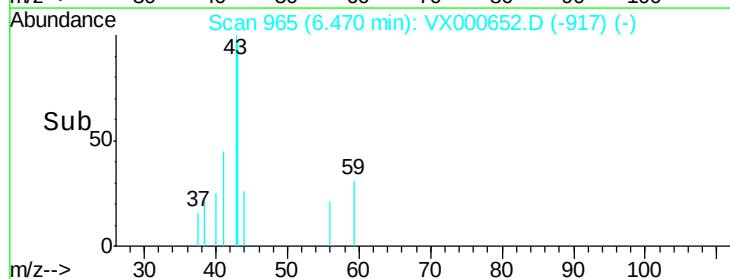
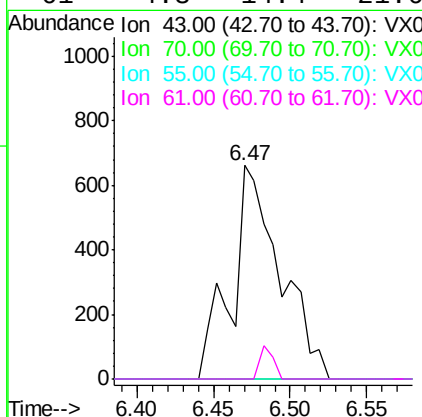
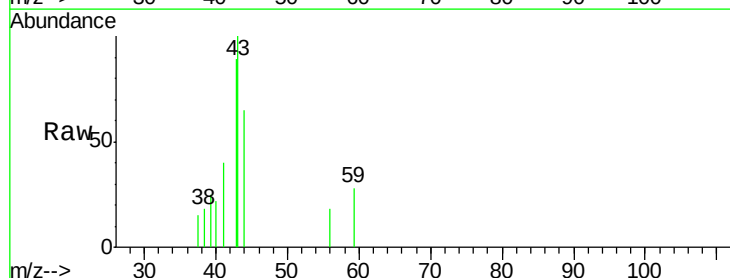
Instrument :
 MSVOA_X
 ClientSampleId :
 LOWER-CONCRETE-SLAB-1

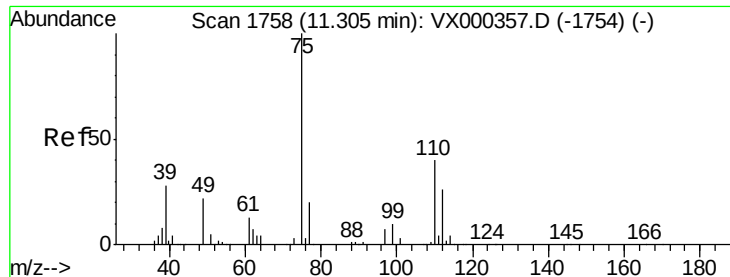
Tgt Ion: 152 Resp: 111998
 Ion Ratio Lower Upper
 152 100
 115 57.8 39.8 119.3
 150 155.3 0.0 344.4



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000652.D
 Acq: 03 Apr 2018 14:18

Tgt Ion: 43 Resp: 1466
 Ion Ratio Lower Upper
 43 100
 70 0.0 0.0 0.0
 55 0.0 0.0 0.0
 61 4.3 14.4 21.6#





#76

1,2,3-Trichloropropane

Concen: 22.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

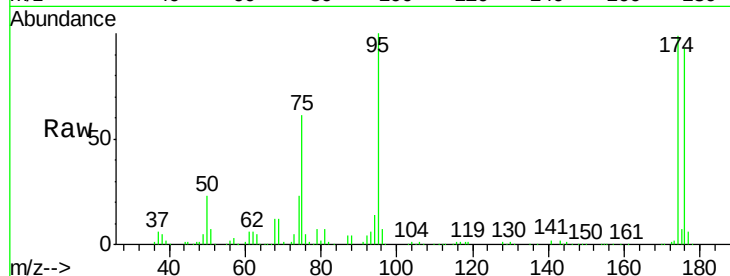
LOWER-CONCRETE-SLAB-1

Tgt Ion: 75 Resp: 54639

Ion Ratio Lower Upper

75 100

77 1.4 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

50000

40000

30000

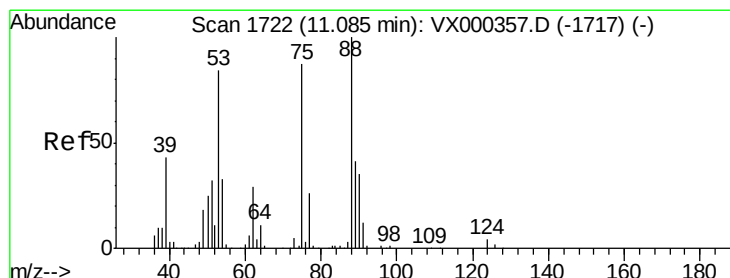
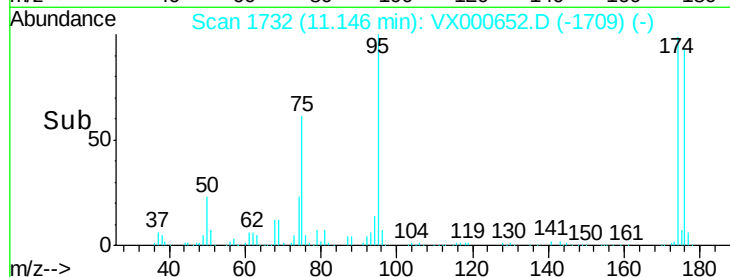
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 73.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000652.D

Acq: 03 Apr 2018 14:18

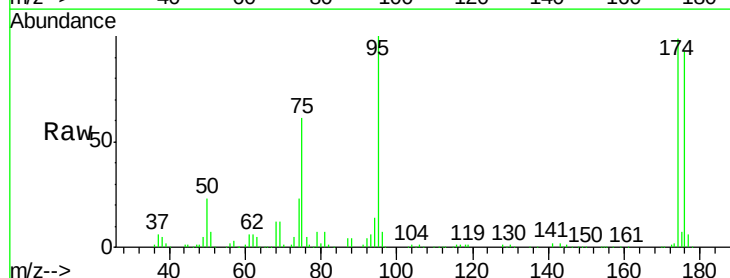
Tgt Ion: 75 Resp: 54639

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

60000

50000

40000

30000

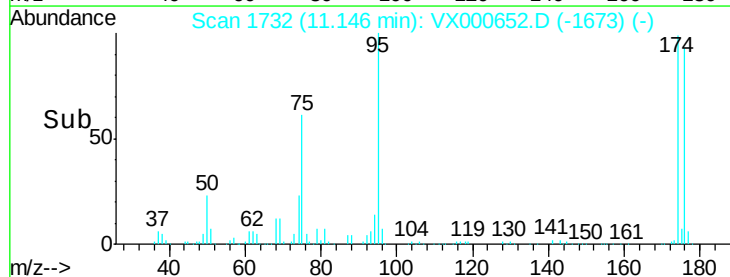
20000

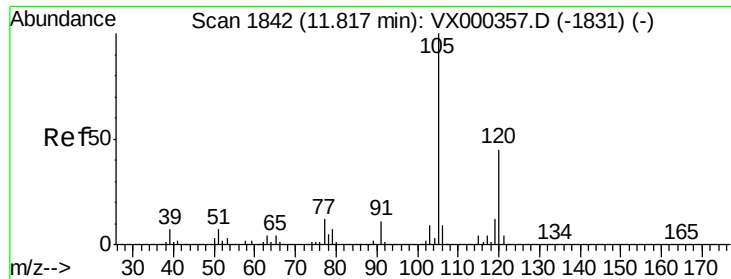
10000

0

Time-->

11.10 11.15 11.20

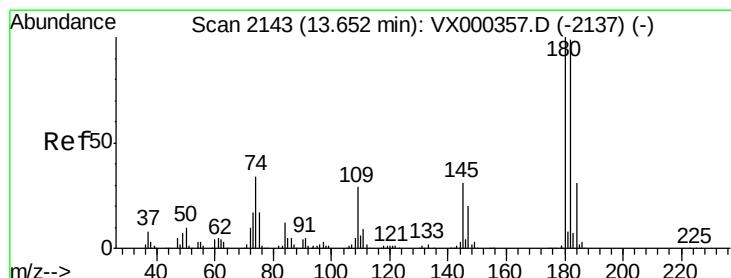
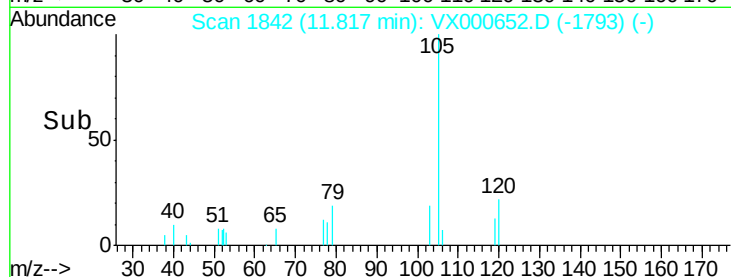
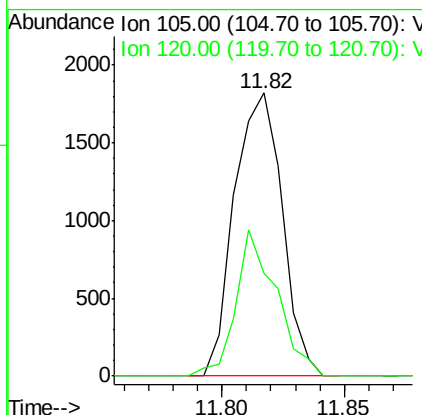
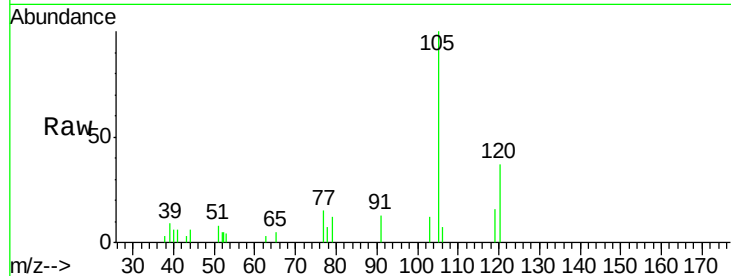




#84
 1,2,4-Trimethylbenzene
 Concen: 0.38 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000652.D
 Acq: 03 Apr 2018 14:18

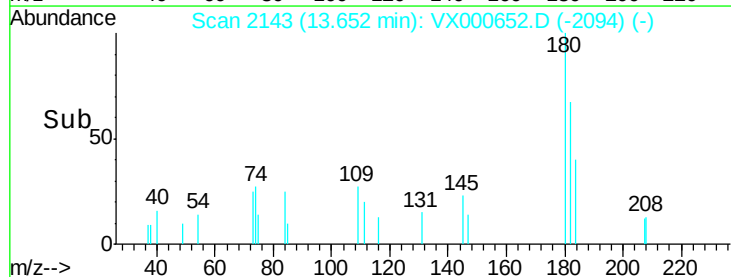
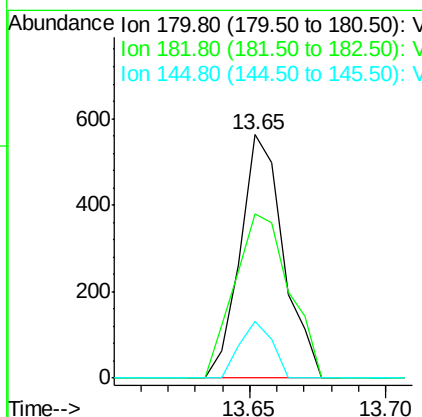
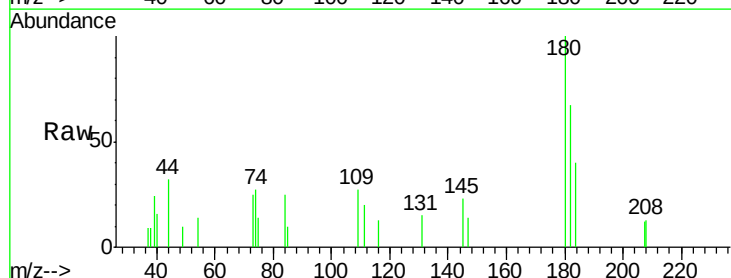
Instrument :
 MSVOA_X
 ClientSampleId :
 LOWER-CONCRETE-SLAB-1

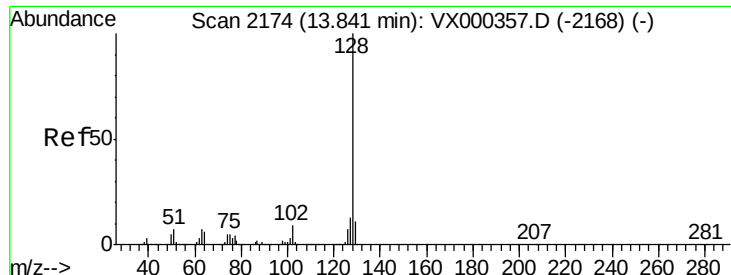
Tgt Ion:105 Resp: 2474
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000652.D
 Acq: 03 Apr 2018 14:18

Tgt Ion:180 Resp: 619
 Ion Ratio Lower Upper
 180 100
 182 85.5 47.6 142.9
 145 17.6 15.1 45.3





#95
Naphthalene
Concen: 8.29 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000652.D
Acq: 03 Apr 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOWER-CONCRETE-SLAB-1

Tgt Ion:128 Resp: 75848
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.0 8.9 13.3

