

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000385.D
 Acq On : 21 Mar 2018 15:12
 Operator : JC/MD
 Sample : J1997-24 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SLAB-CONCRETE-A

Quant Time: Mar 22 05:29:21 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	109117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87116	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	77347	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	5.52	113	59266	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	8.73	98	237463	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
62) 4-Bromofluorobenzene	11.15	95	80400	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	

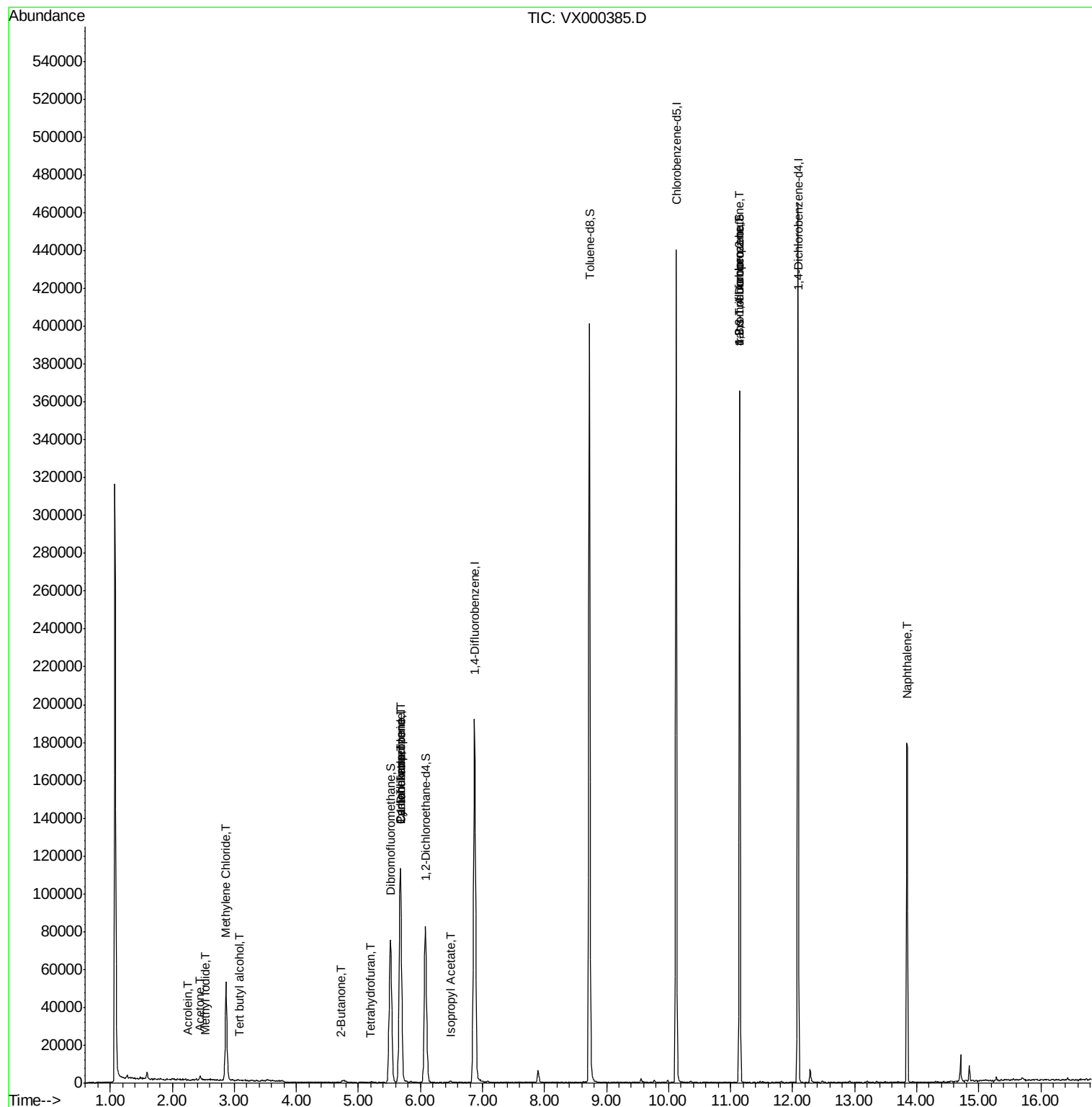
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	101	Below Cal	#	44
10) Methyl Iodide	2.53	142	59	4.32	ug/l #	37
11) Tert butyl alcohol	3.08	59	173	0.35	ug/l #	72
13) Acrolein	2.24	56	22	14.71	ug/l #	13
14) Allyl chloride	2.72	41	155	Below Cal	#	11
16) Acetone	2.45	43	1921	1.62	ug/l	100
20) Methylene Chloride	2.87	84	22387	16.36	ug/l	94
25) 2-Butanone	4.71	43	508	0.38	ug/l	96
29) Tetrahydrofuran	5.19	42	209	0.26	ug/l #	31
31) Cyclohexane	5.68	56	2732	1.52	ug/l #	6
36) 1,1-Dichloropropene	5.68	75	8578	4.86	ug/l #	51
38) Carbon Tetrachloride	5.68	117	10816	5.84	ug/l #	17
43) Isopropyl Acetate	6.48	43	1092	0.30	ug/l #	75
74) N-amyl acetate	6.48	43	1092	Below Cal	#	64
76) 1,2,3-Trichloropropane	11.15	75	46614	24.90	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	46614	80.61	ug/l #	9
95) Naphthalene	13.85	128	109999	15.45	ug/l	99

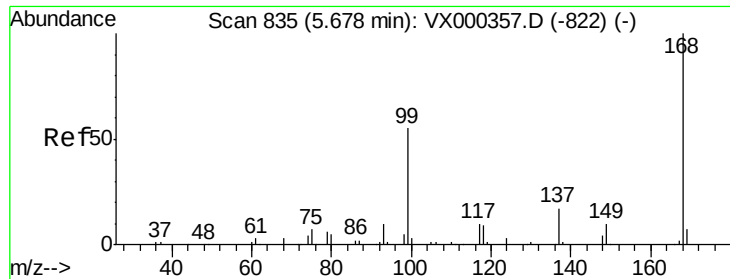
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

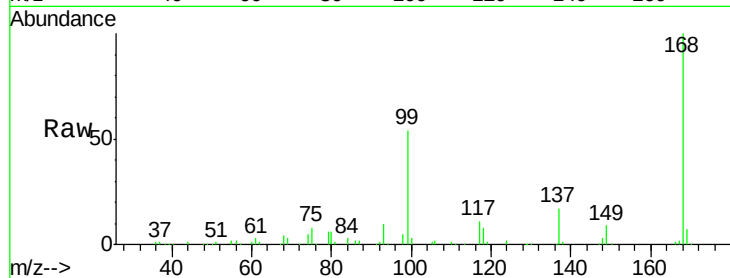
SLAB-CONCRETE-A

Tgt Ion:168 Resp: 109117

Ion Ratio Lower Upper

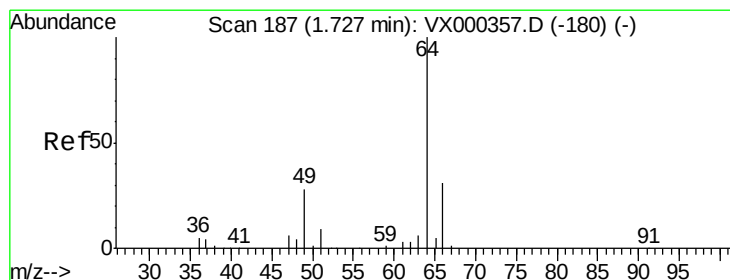
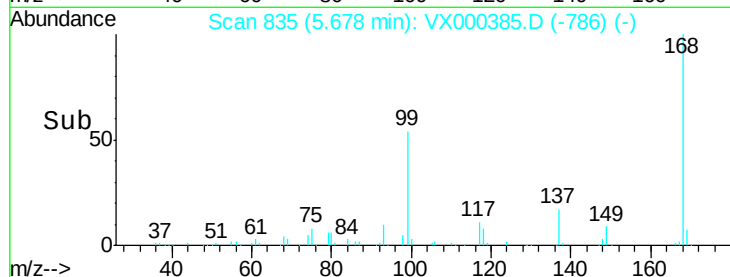
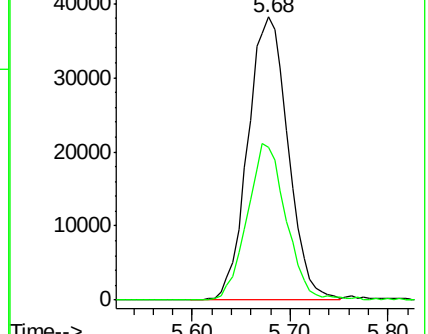
168 100

99 54.1 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: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000385.D

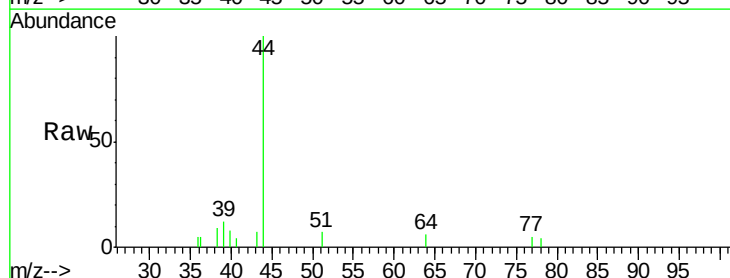
Acq: 21 Mar 2018 15:12

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

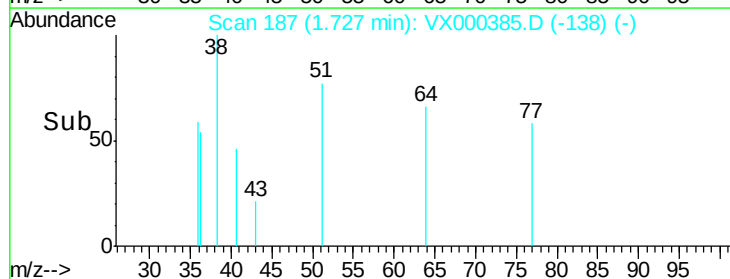
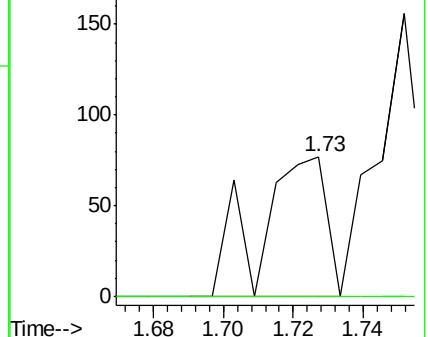
64 100

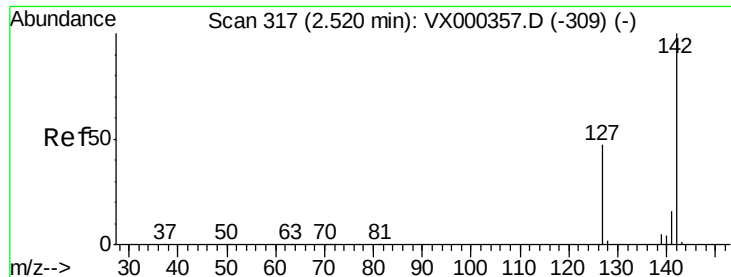
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

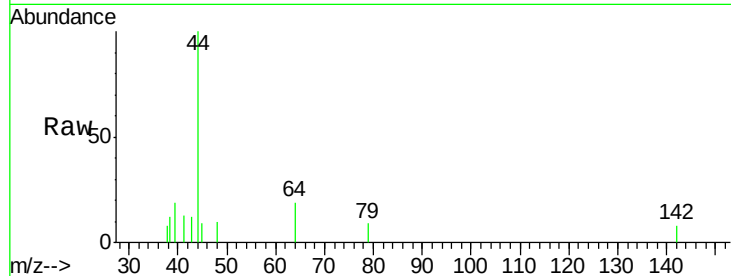




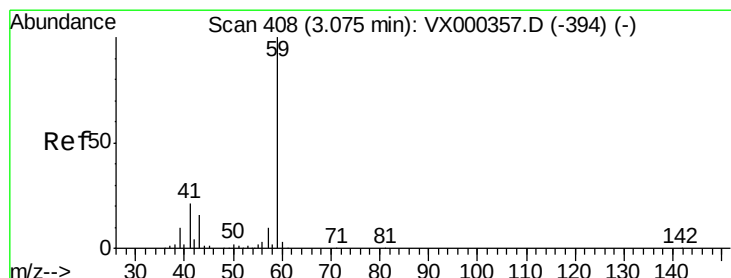
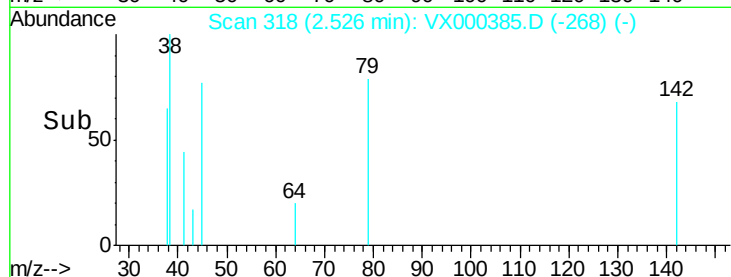
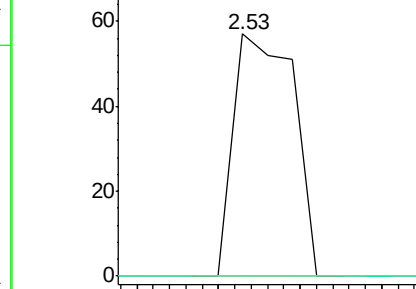
#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000385.D
Acq: 21 Mar 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
SLAB-CONCRETE-A

Tgt Ion: 142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

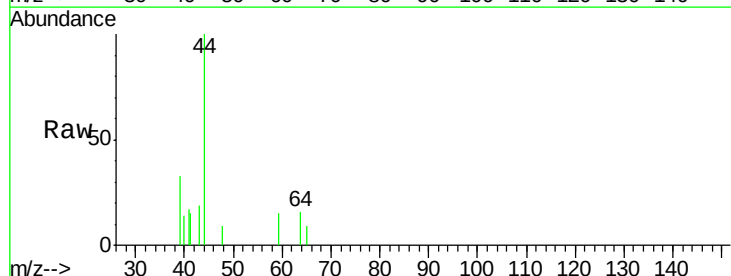


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

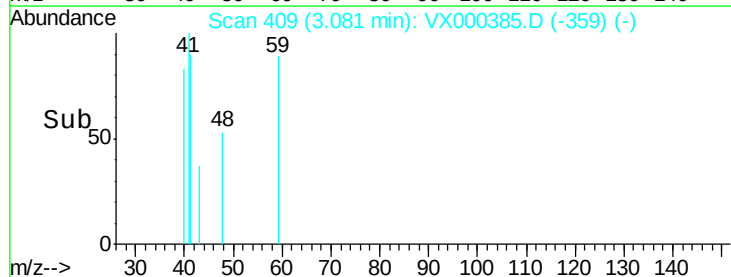
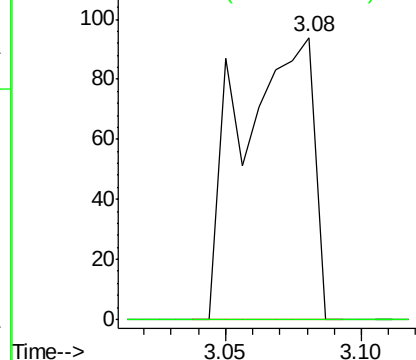


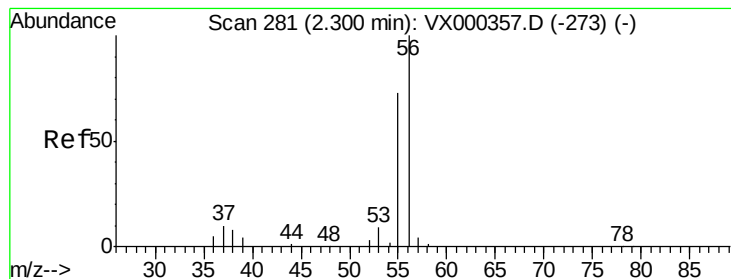
#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000385.D
Acq: 21 Mar 2018 15:12

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 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: 14.71 ug/l

RT: 2.24 min Scan# 271

Delta R.T. -0.06 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

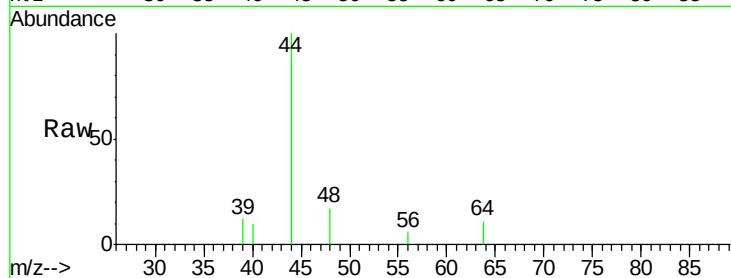
SLAB-CONCRETE-A

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

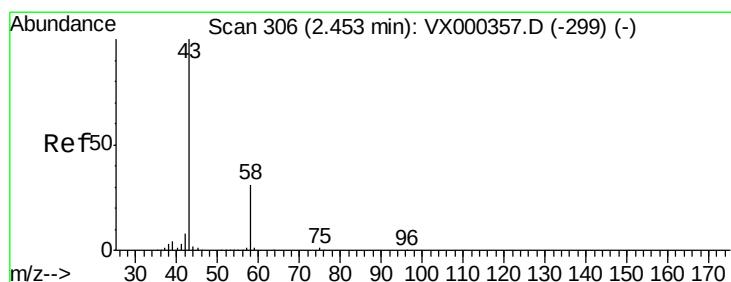
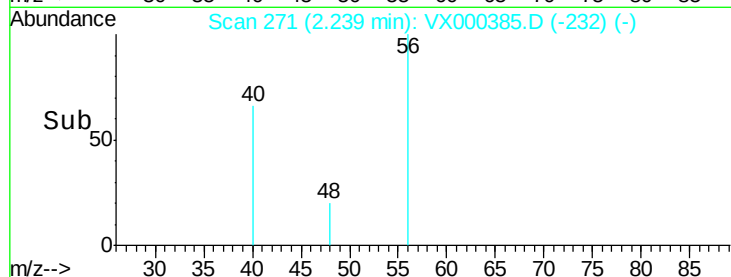
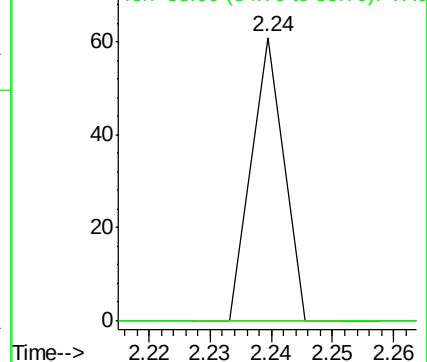
56 100

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



#16

Acetone

Concen: 1.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000385.D

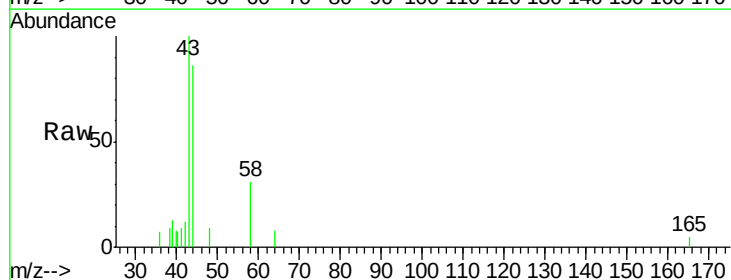
Acq: 21 Mar 2018 15:12

Tgt Ion: 43 Resp: 1921

Ion Ratio Lower Upper

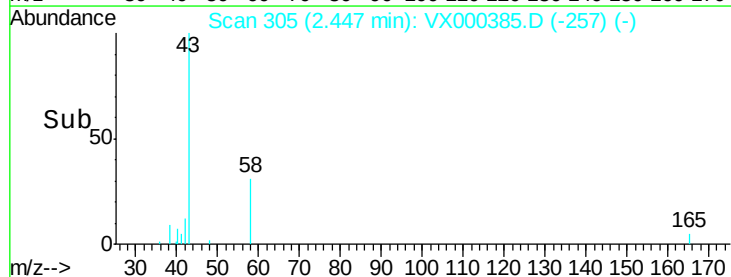
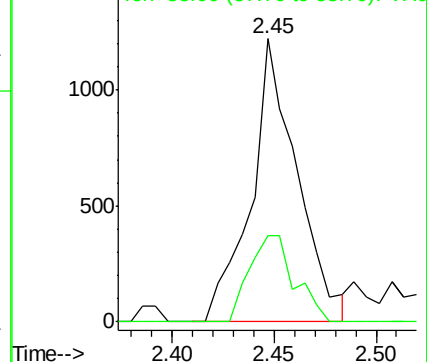
43 100

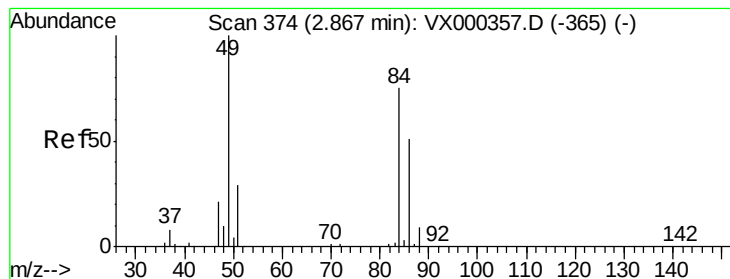
58 30.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 16.36 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

SLAB-CONCRETE-A

Tgt Ion: 84 Resp: 22387

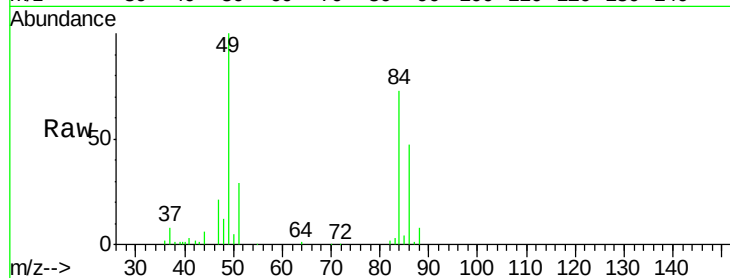
Ion Ratio Lower Upper

84 100

49 137.6 100.6 151.0

51 40.5 31.6 47.4

86 65.2 52.6 78.8

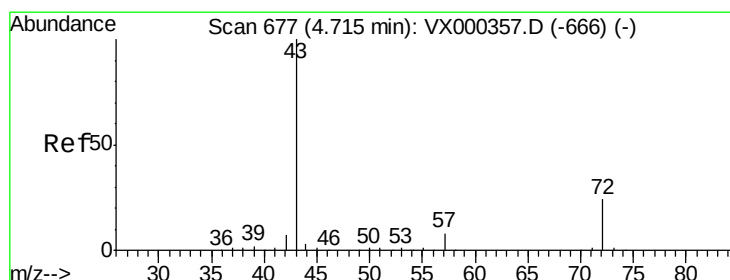
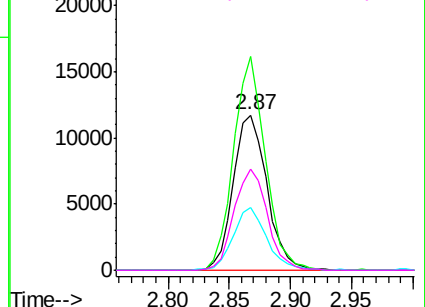
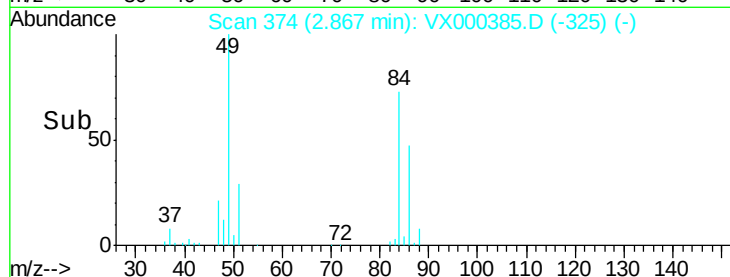


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.38 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000385.D

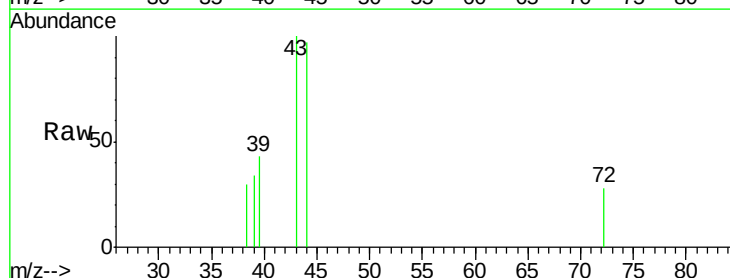
Acq: 21 Mar 2018 15:12

Tgt Ion: 43 Resp: 508

Ion Ratio Lower Upper

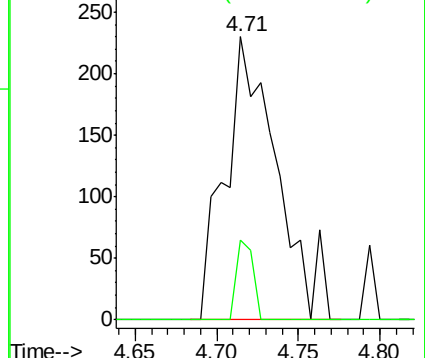
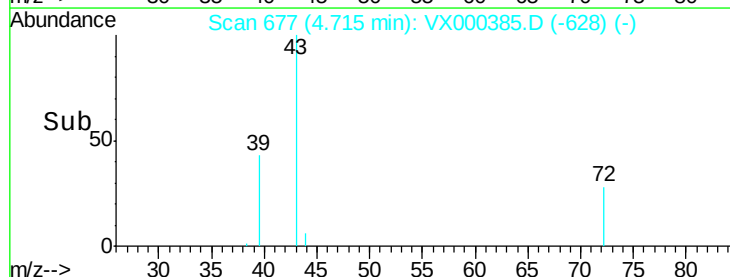
43 100

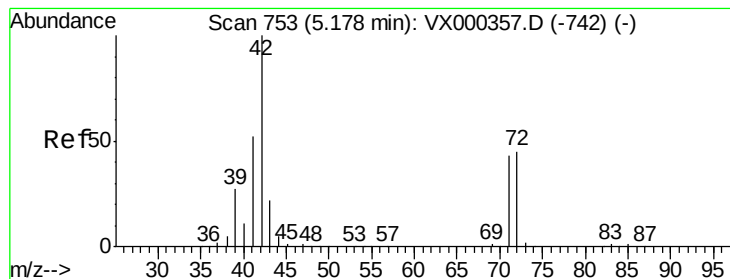
72 28.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

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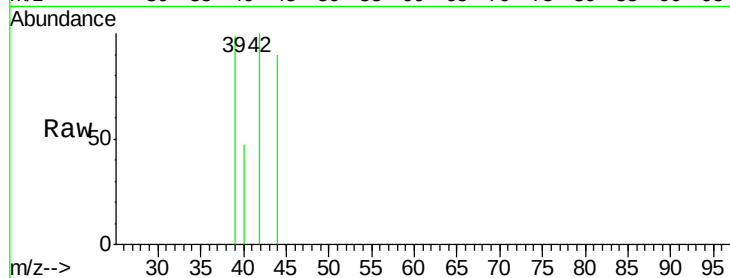
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

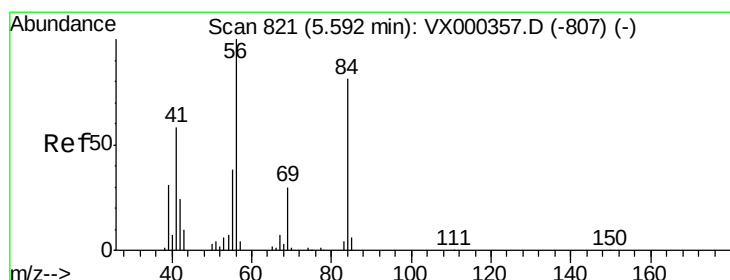
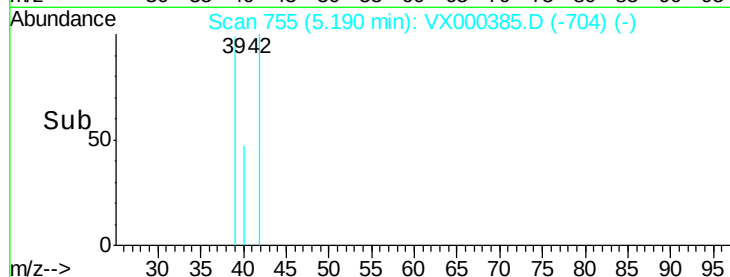
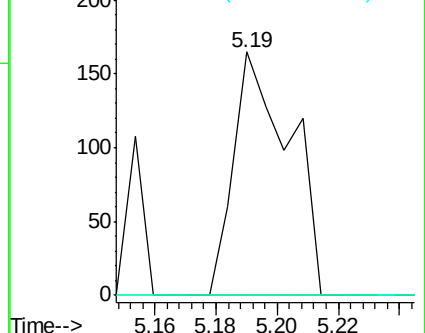
71 0.0 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

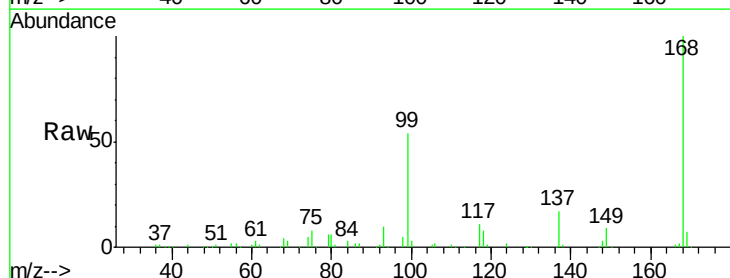
Tgt Ion: 56 Resp: 2732

Ion Ratio Lower Upper

56 100

69 134.2 23.4 35.0#

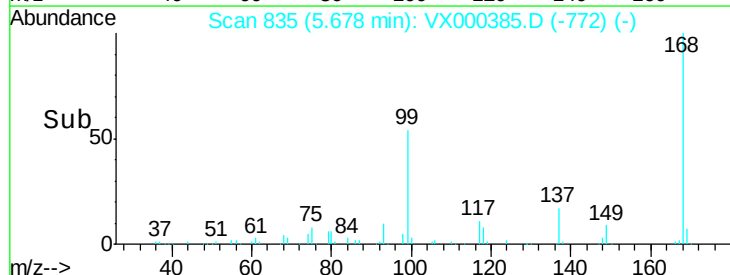
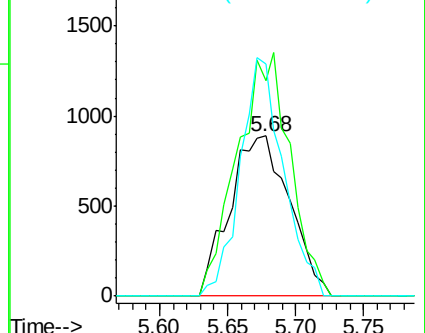
84 144.8 71.0 106.4#

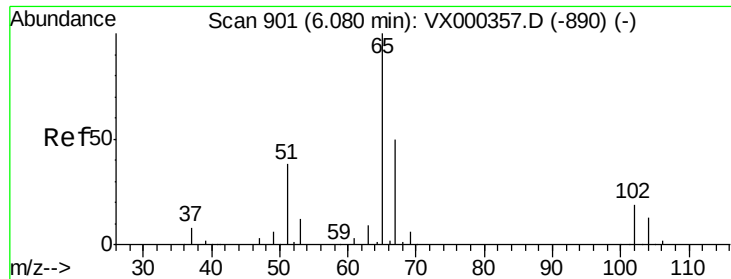


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

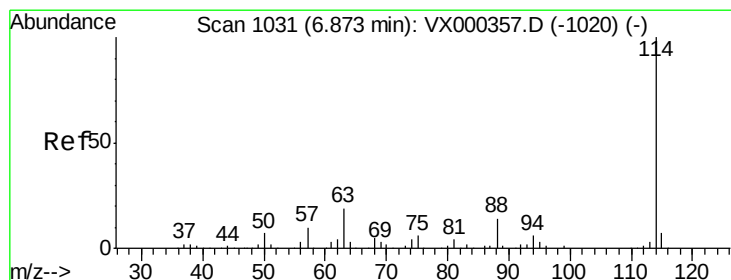
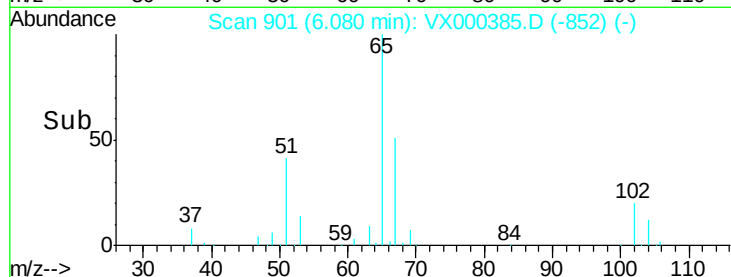
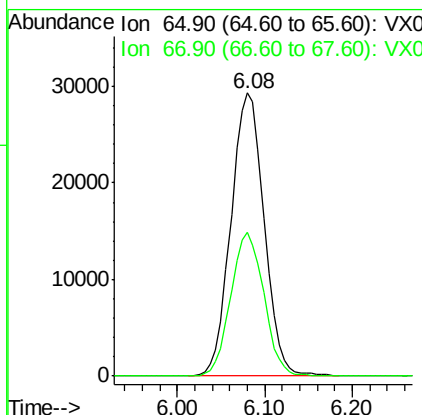
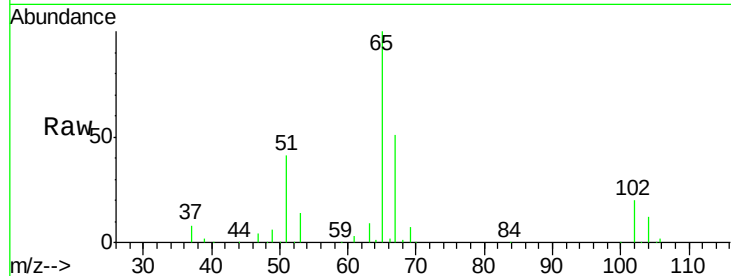




#33
 1,2-Dichloroethane-d4
 Concen: 54.30 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000385.D
 Acq: 21 Mar 2018 15:12

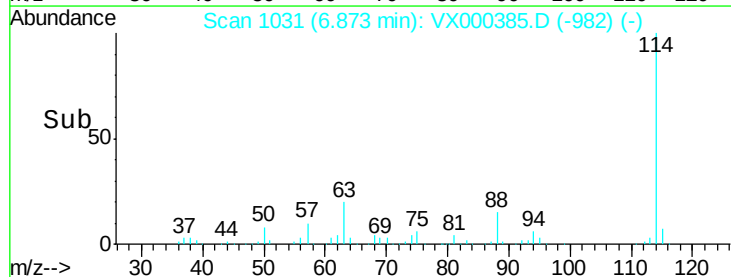
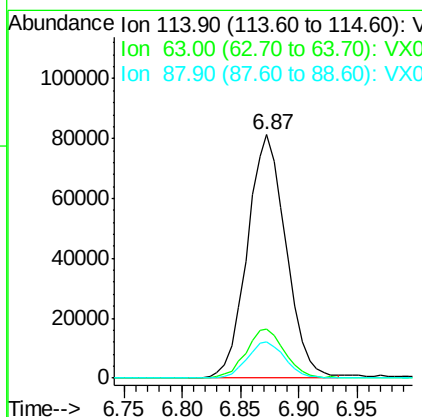
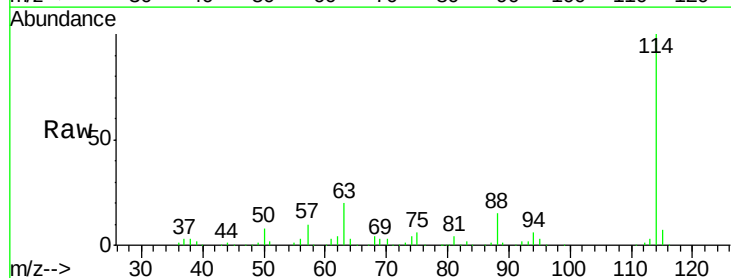
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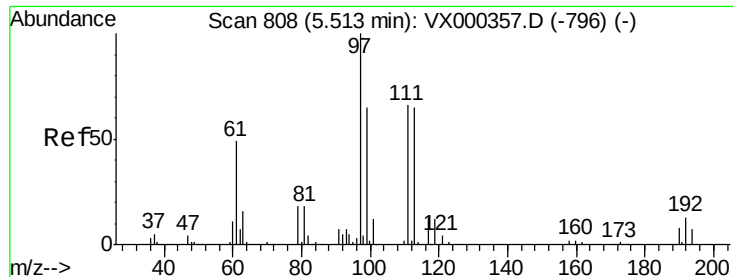
Tgt Ion: 65 Resp: 77347
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000385.D
 Acq: 21 Mar 2018 15:12

Tgt Ion: 114 Resp: 188423
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 14.7 0.0 27.0

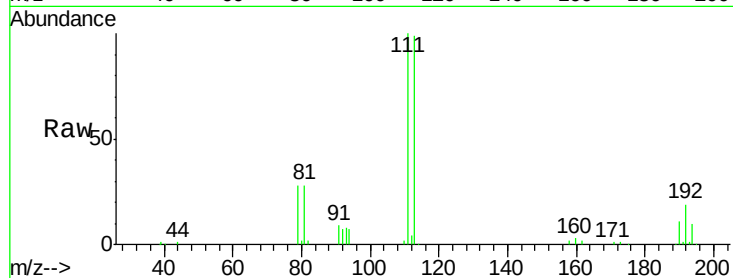




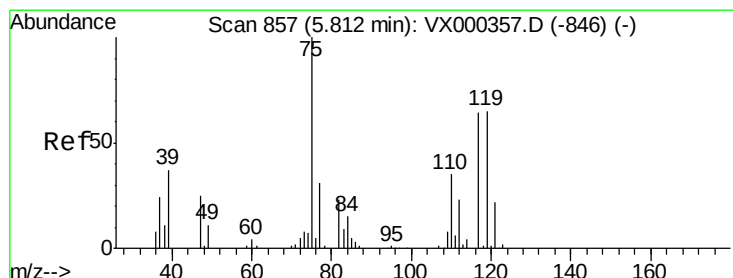
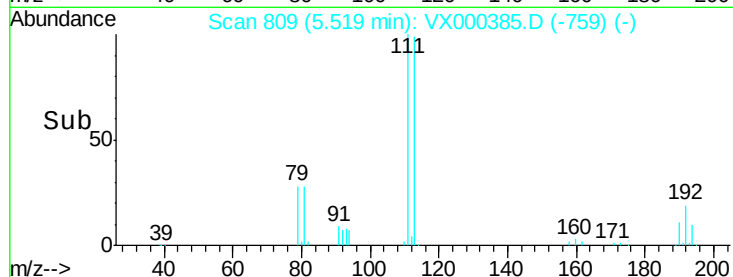
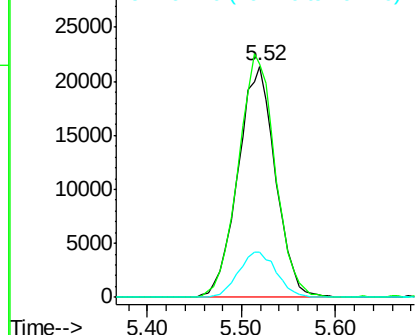
#35
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000385.D
 Acq: 21 Mar 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 SLAB-CONCRETE-A

Tgt Ion:113 Resp: 59266
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 20.0 15.8 23.6

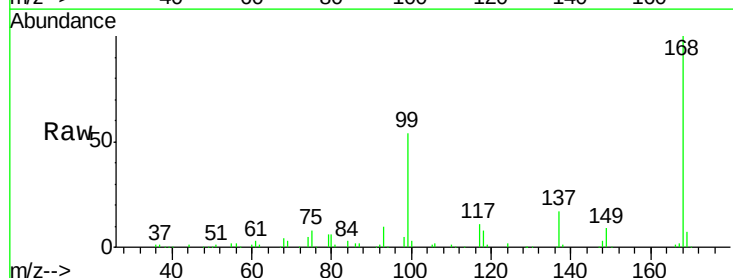


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

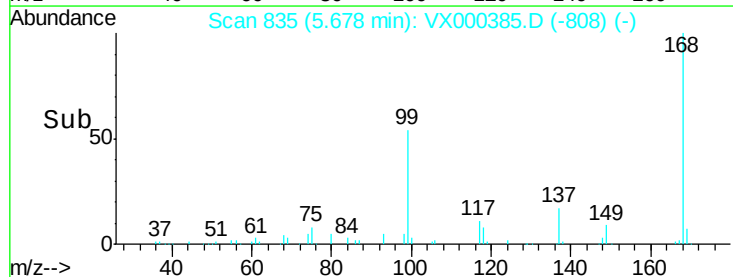
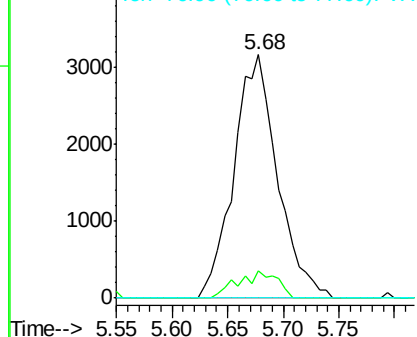


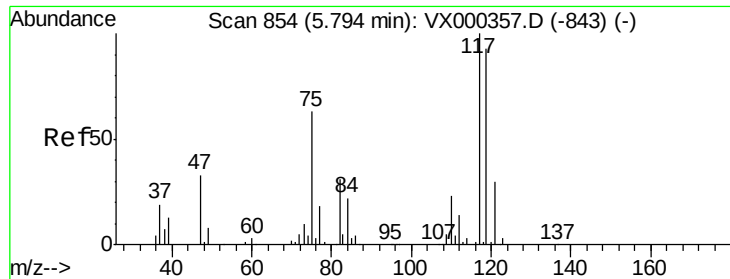
#36
 1,1-Dichloropropene
 Concen: 4.86 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000385.D
 Acq: 21 Mar 2018 15:12

Tgt Ion: 75 Resp: 8578
 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





#38

Carbon Tetrachloride

Concen: 5.84 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

SLAB-CONCRETE-A

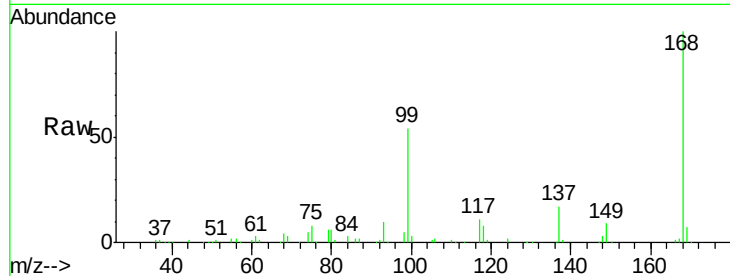
Tgt Ion: 117 Resp: 10816

Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.2#

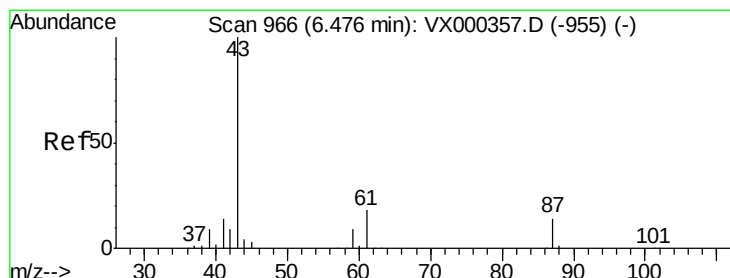
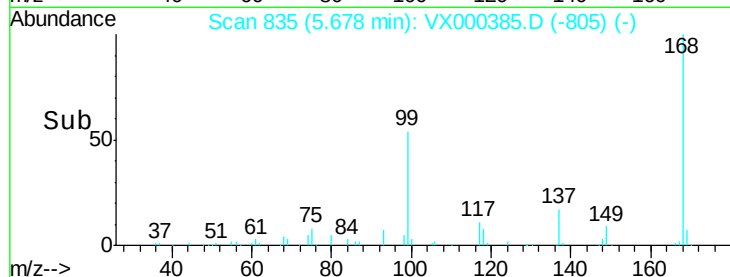
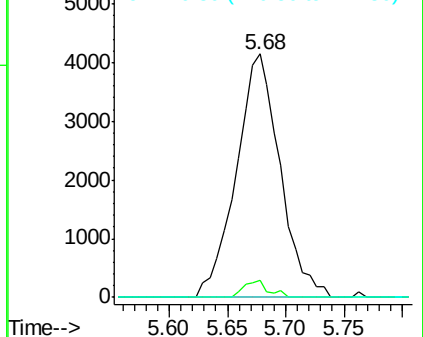
121 0.0 24.8 37.2#



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: 0.30 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

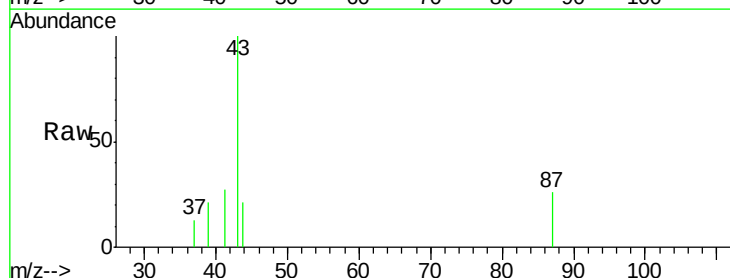
Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

61 2.0 14.4 21.6#

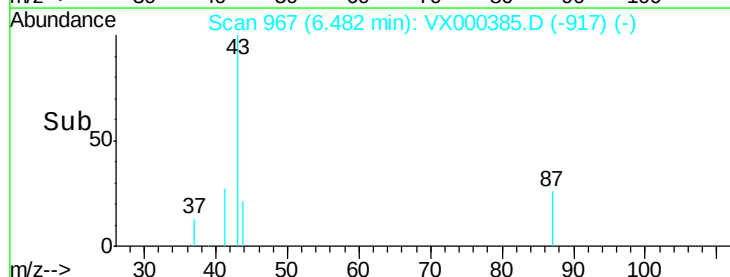
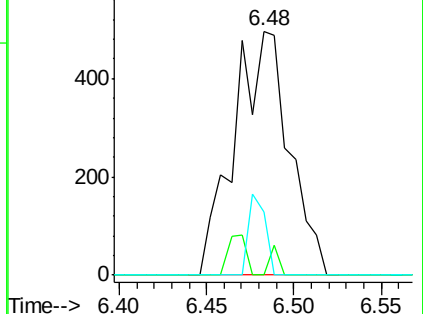
87 9.9 11.0 16.4#

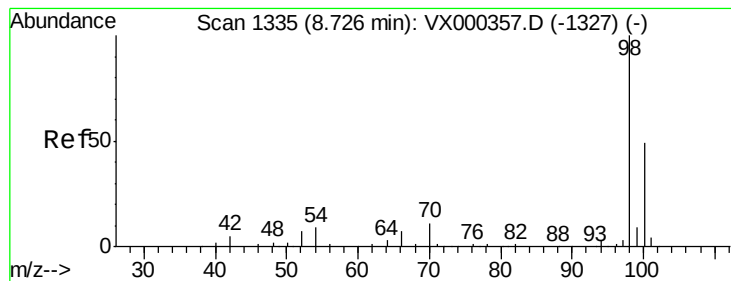


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 48.29 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

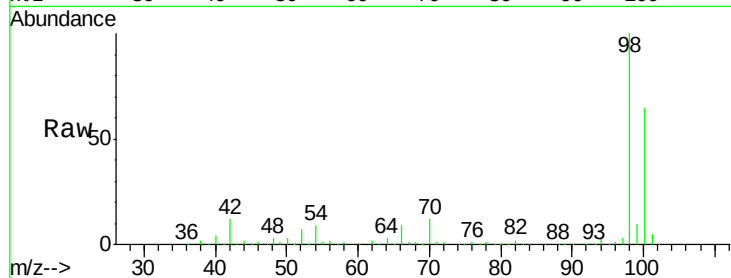
SLAB-CONCRETE-A

Tgt Ion: 98 Resp: 237463

Ion Ratio Lower Upper

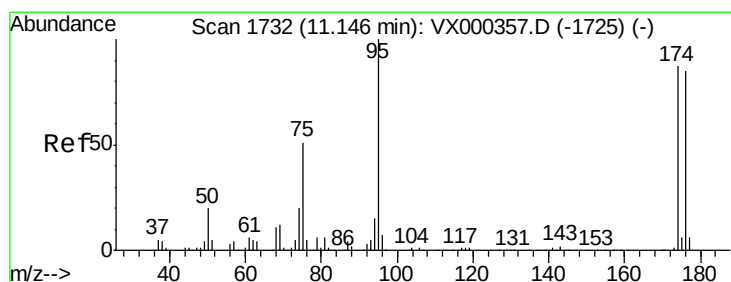
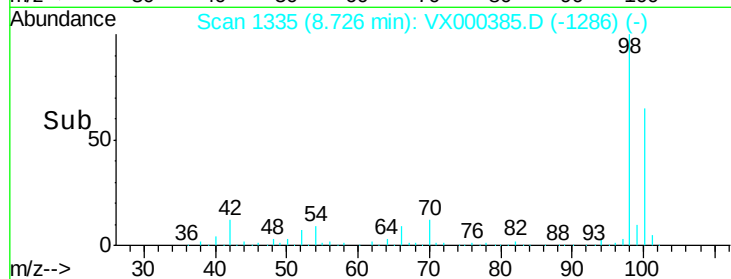
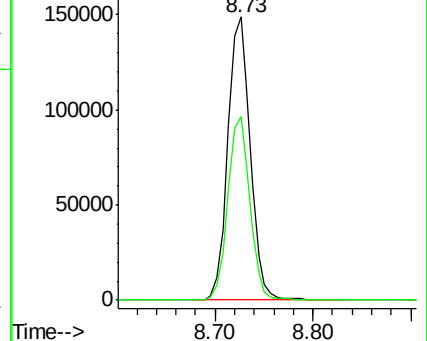
98 100

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): VX



#62

4-Bromofluorobenzene

Concen: 40.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

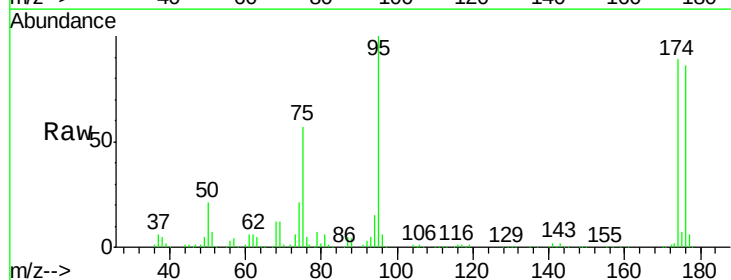
Tgt Ion: 95 Resp: 80400

Ion Ratio Lower Upper

95 100

174 89.7 0.0 173.6

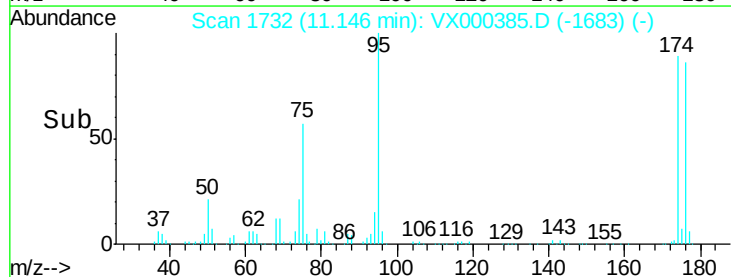
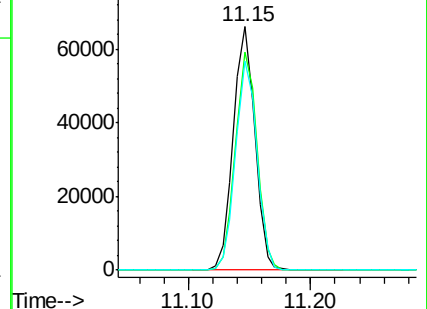
176 85.2 0.0 164.6

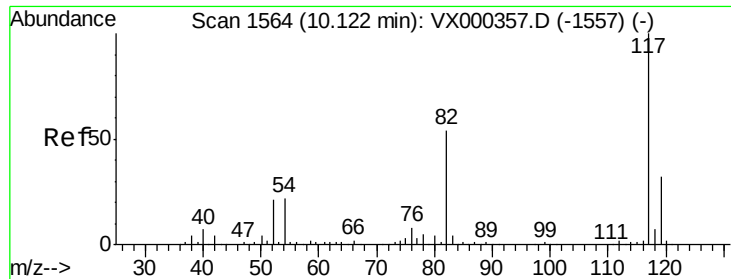


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

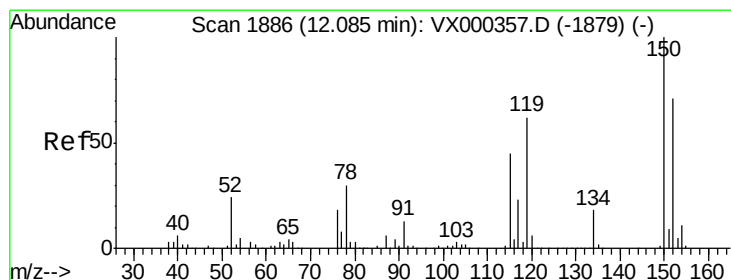
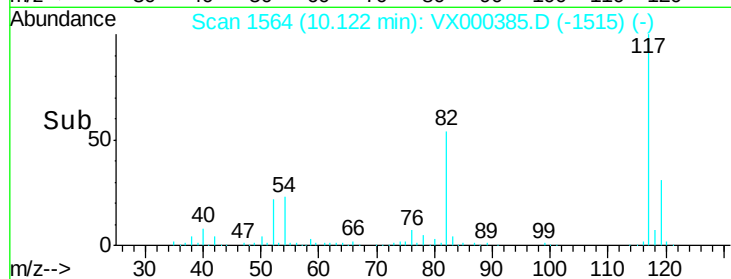
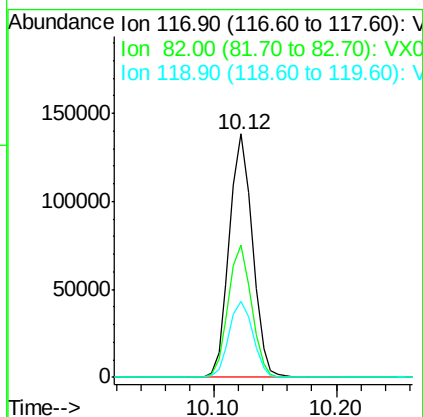
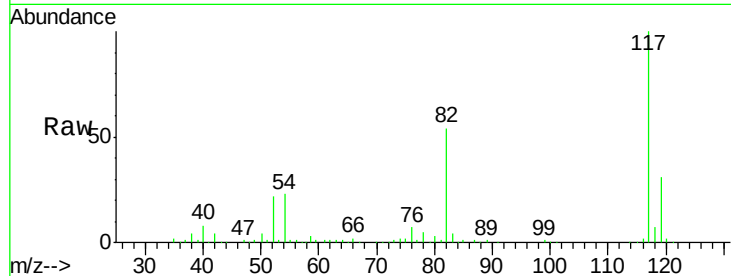




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000385.D
Acq: 21 Mar 2018 15:12

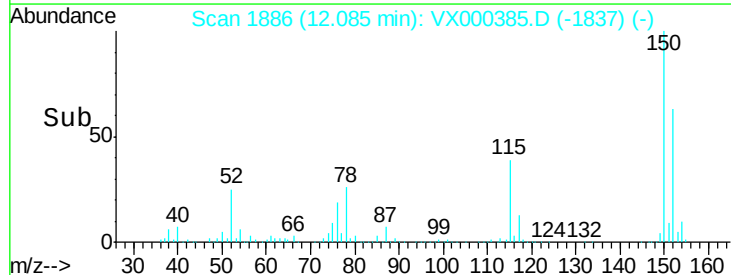
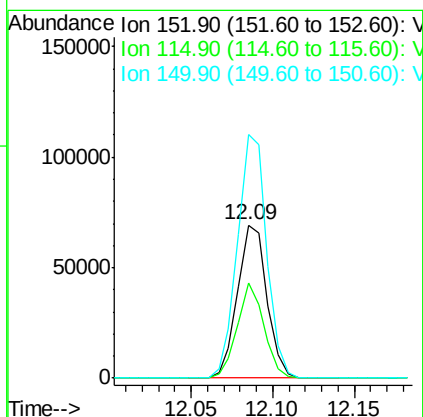
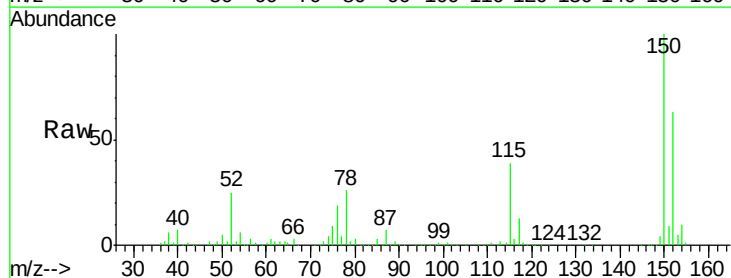
Instrument :
MSVOA_X
ClientSampleId :
SLAB-CONCRETE-A

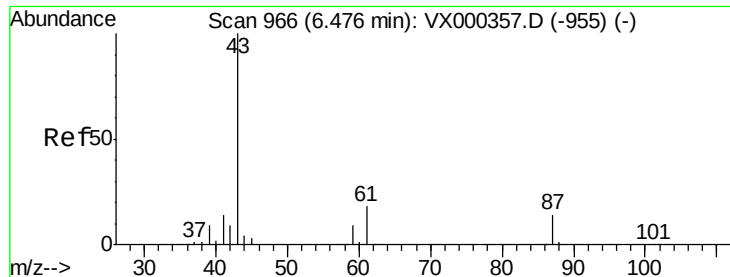
Tgt Ion:117 Resp: 181794
Ion Ratio Lower Upper
117 100
82 54.3 43.8 65.8
119 31.4 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000385.D
Acq: 21 Mar 2018 15:12

Tgt Ion:152 Resp: 87116
Ion Ratio Lower Upper
152 100
115 56.4 39.8 119.3
150 158.1 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

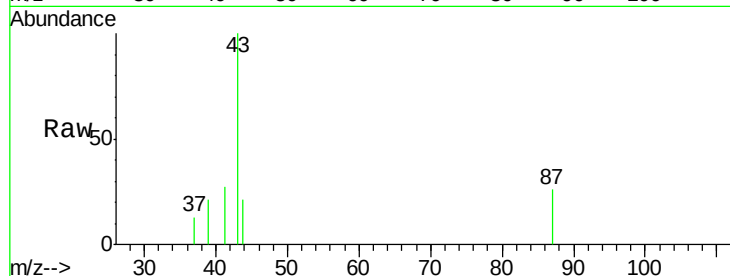
ClientSampleId :

SLAB-CONCRETE-A

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	2.0	14.4	21.6#

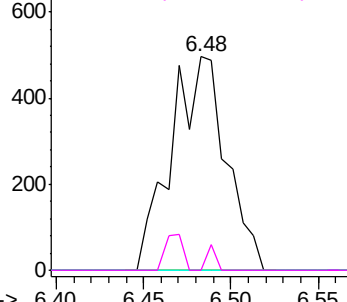


Abundance Ion 43.00 (42.70 to 43.70): VX0

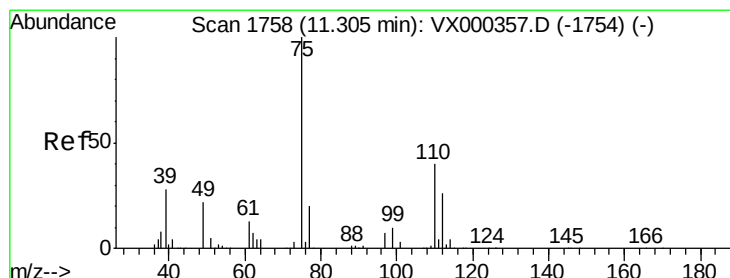
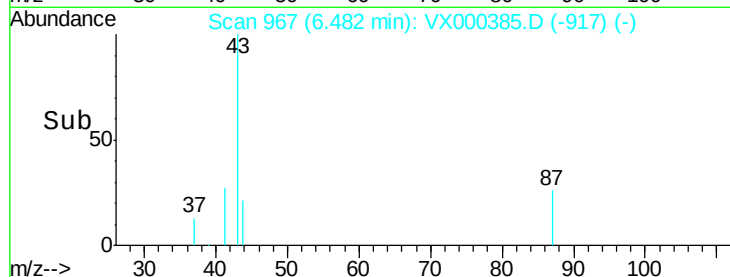
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 6.40 6.45 6.50 6.55



#76

1,2,3-Trichloropropane

Concen: 24.90 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

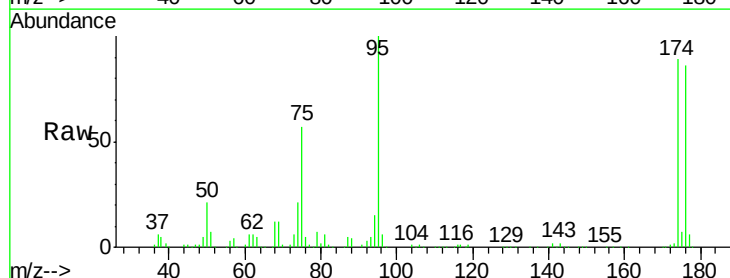
Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Tgt Ion: 75 Resp: 46614

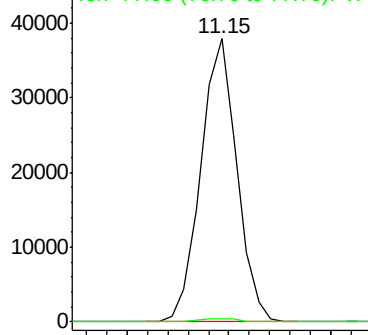
Ion Ratio Lower Upper

75	100		
77	1.3	21.4	64.2#

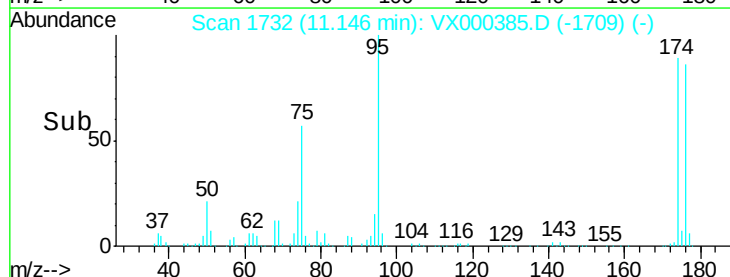


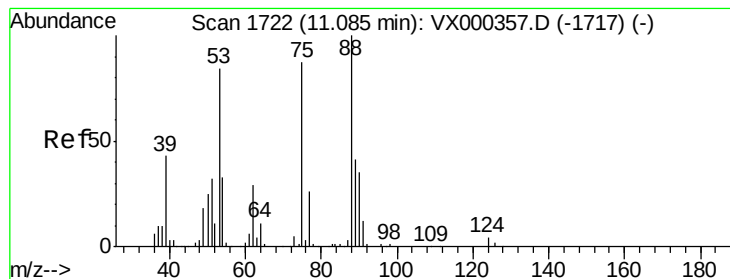
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.10 11.15 11.20





#81

trans-1,4-Dichloro-2-butene

Concen: 80.61 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

SLAB-CONCRETE-A

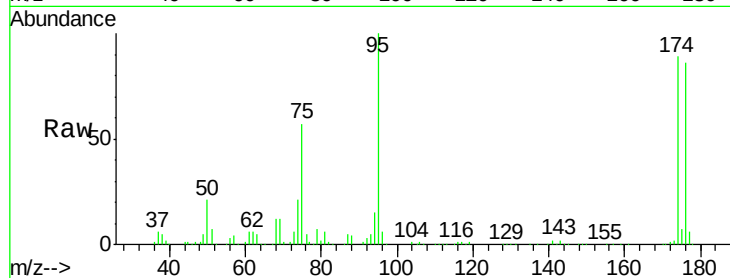
Tgt Ion: 75 Resp: 46614

Ion Ratio Lower Upper

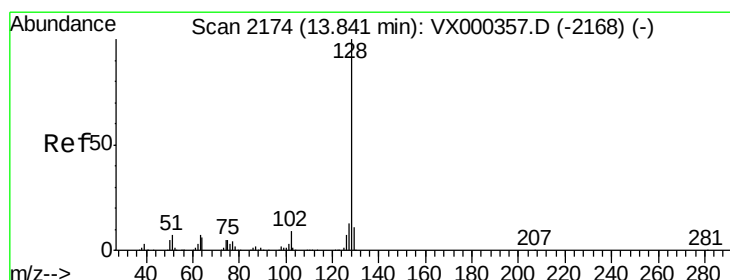
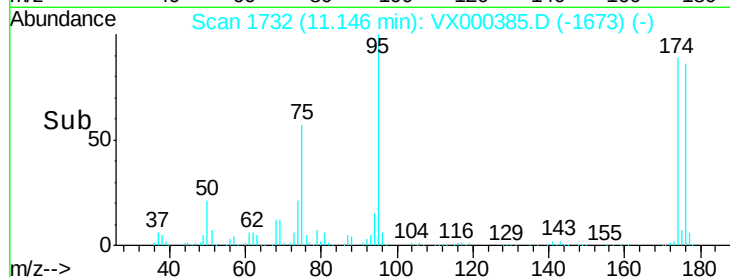
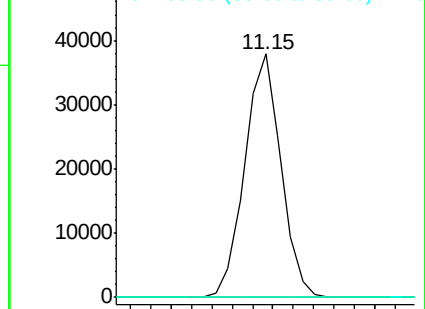
75 100

53 0.0 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



#95

Naphthalene

Concen: 15.45 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000385.D

Acq: 21 Mar 2018 15:12

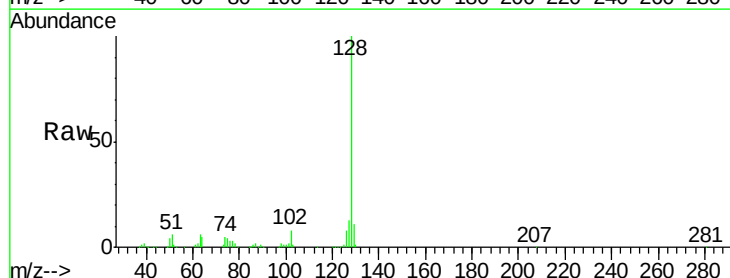
Tgt Ion: 128 Resp: 109999

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.7 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

