

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000242.D
 Acq On : 09 Mar 2018 00:49
 Operator : JC/MD
 Sample : J1828-10 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Concrete-Structure

Quant Time: Mar 09 04:20:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	103225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	178508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90217	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	81827	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
35) Dibromofluoromethane	5.52	113	60000	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	8.73	98	241332	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.15	95	83721	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	

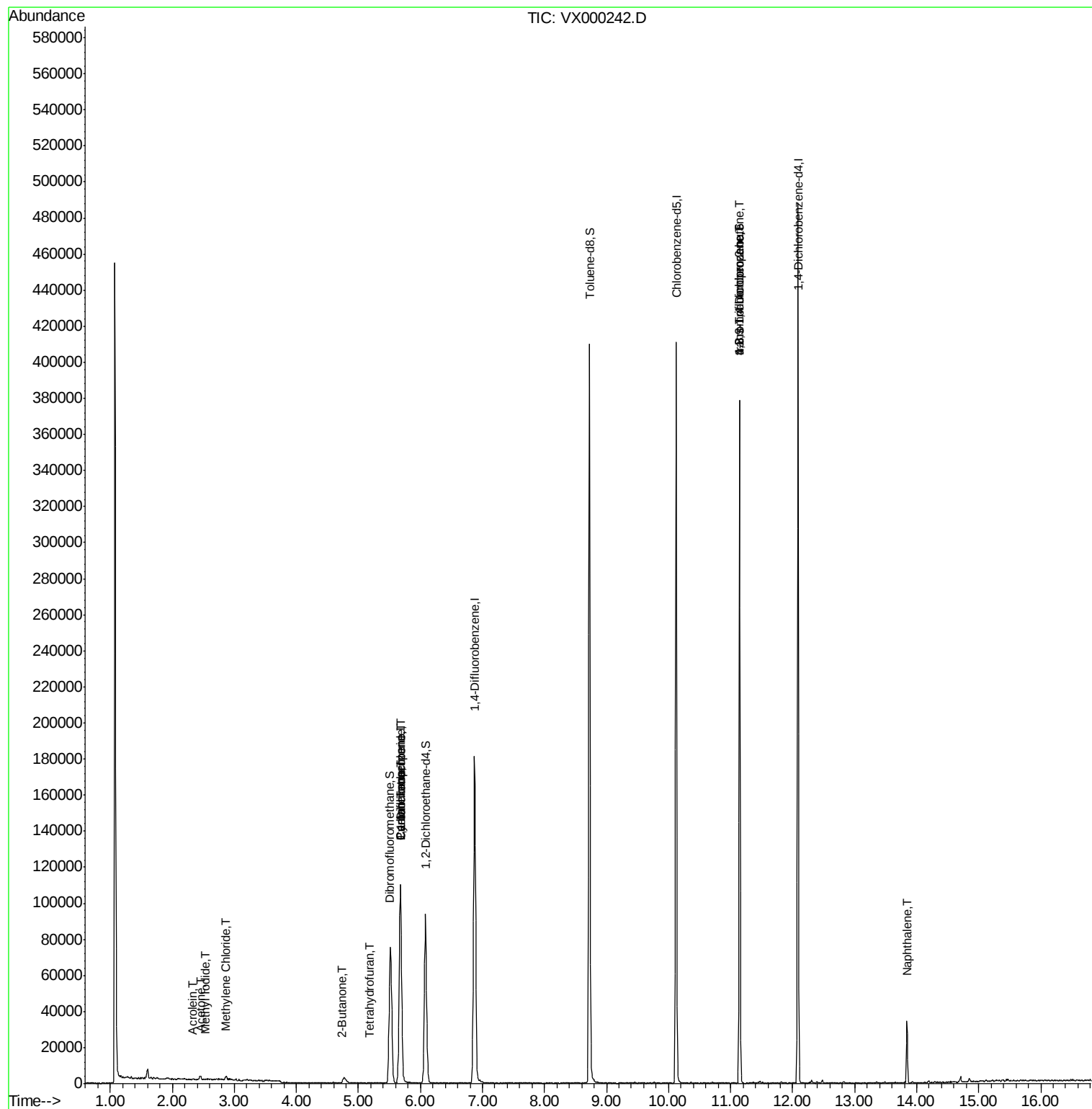
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	101	Below Cal	#	62
10) Methyl Iodide	2.53	142	53	3.19	ug/l #	37
13) Acrolein	2.32	56	65	0.24	ug/l #	12
16) Acetone	2.46	43	2415	2.35	ug/l	99
20) Methylene Chloride	2.86	84	966	0.79	ug/l #	87
25) 2-Butanone	4.72	43	257	0.20	ug/l #	50
29) Tetrahydrofuran	5.18	42	280	0.35	ug/l #	49
31) Cyclohexane	5.68	56	2567	1.64	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	8581	5.40	ug/l #	51
38) Carbon Tetrachloride	5.68	117	9940	6.18	ug/l #	16
76) 1,2,3-Trichloropropane	11.15	75	49080	27.14	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	49080	83.11	ug/l #	10
95) Naphthalene	13.84	128	19371	2.78	ug/l	99

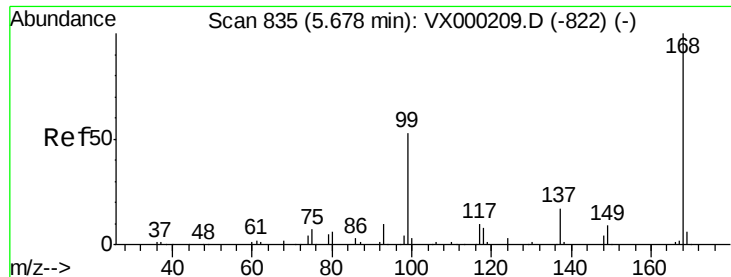
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

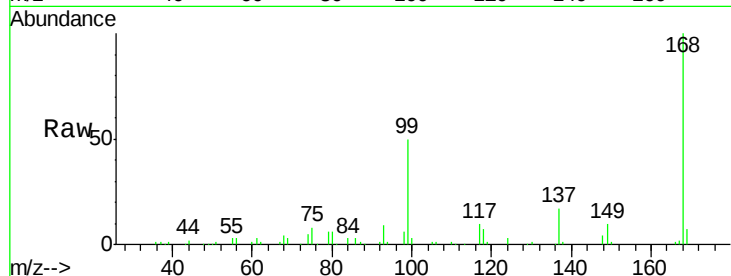
Concrete-Structure

Tot Ion:168 Resp: 103225

Ion Ratio Lower Upper

168 100

99 50.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

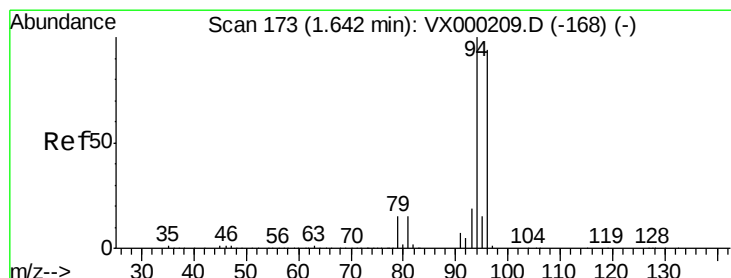
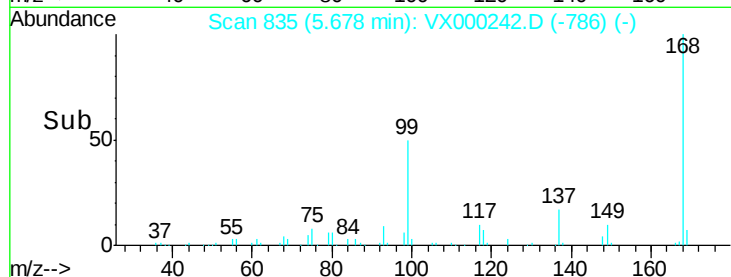
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000242.D

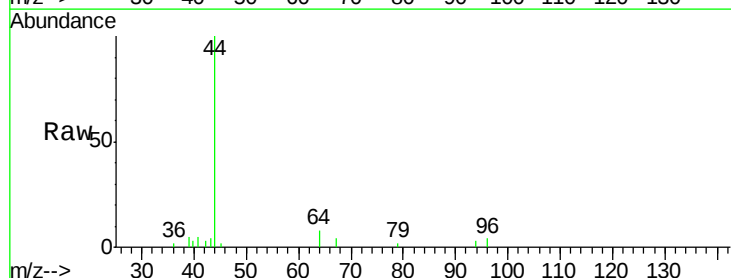
Acq: 09 Mar 2018 00:49

Tgt Ion: 94 Resp: 101

Ion Ratio Lower Upper

94 100

96 130.8 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

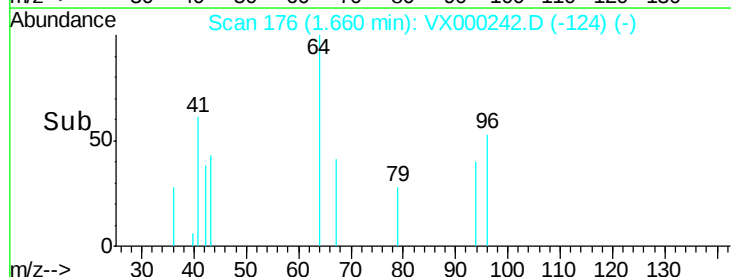
100

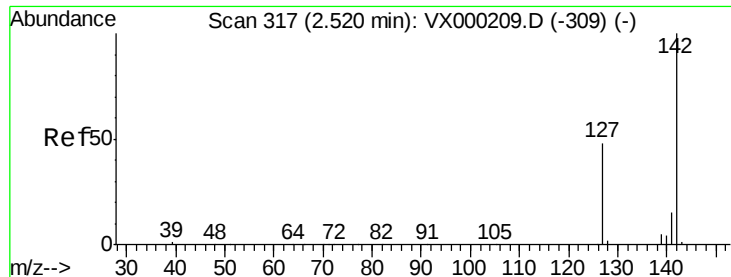
50

0

Time-->

1.64 1.66 1.68

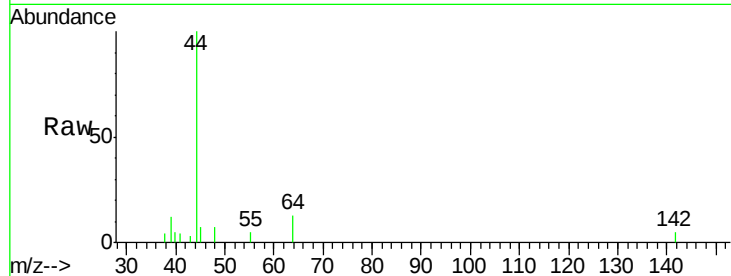




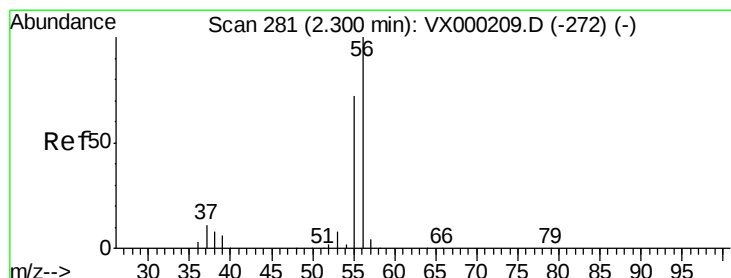
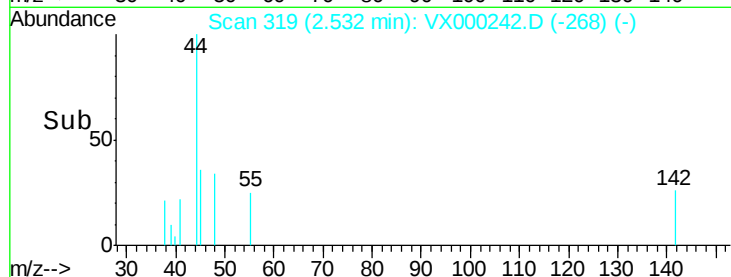
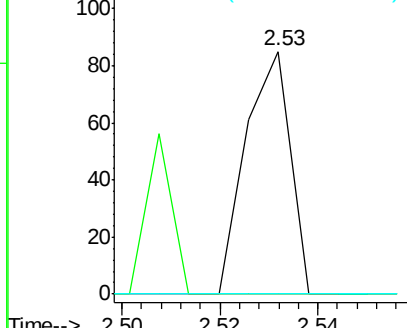
#10
Methvl Iodide
Concen: 3.19 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX000242.D
Acq: 09 Mar 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
Concrete-Structure

Tot Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 39.0 58.6#
141 0.0 11.6 17.4#

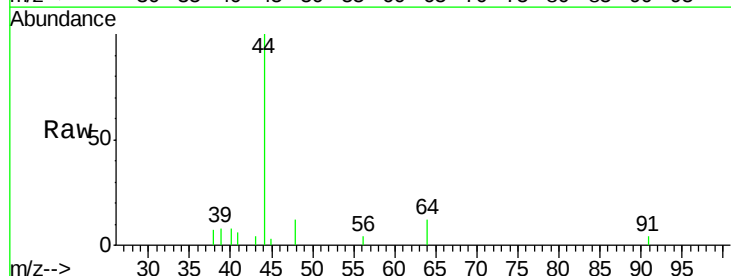


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

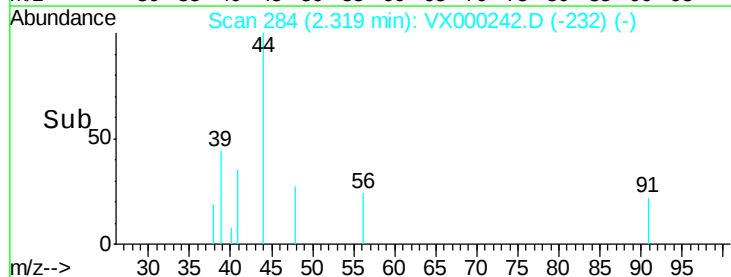
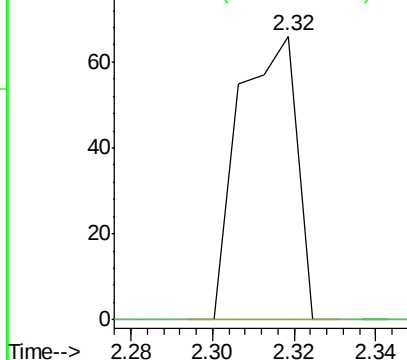


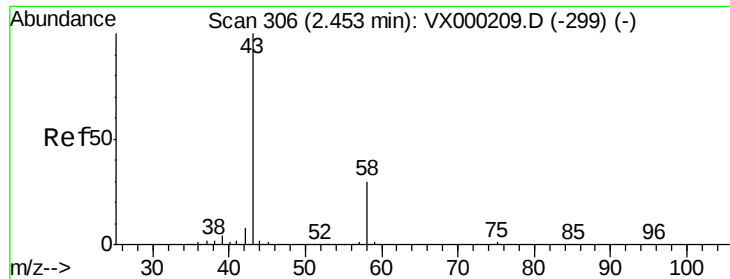
#13
Acrolein
Concen: 0.24 ug/l
RT: 2.32 min Scan# 284
Delta R.T. 0.02 min
Lab File: VX000242.D
Acq: 09 Mar 2018 00:49

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 59.2 88.8#



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





#16

Acetone

Concen: 2.35 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

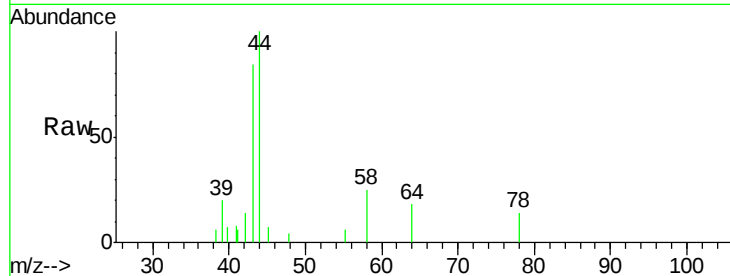
Concrete-Structure

Tot Ion: 43 Resp: 2415

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.46

1200

1000

800

600

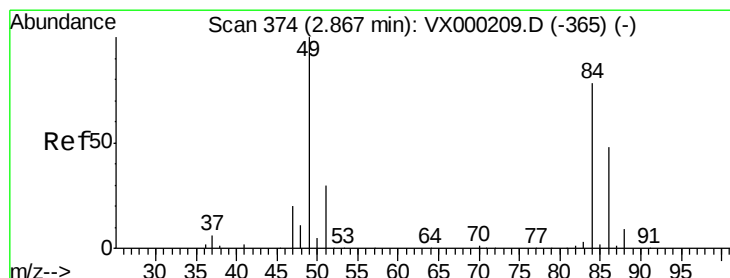
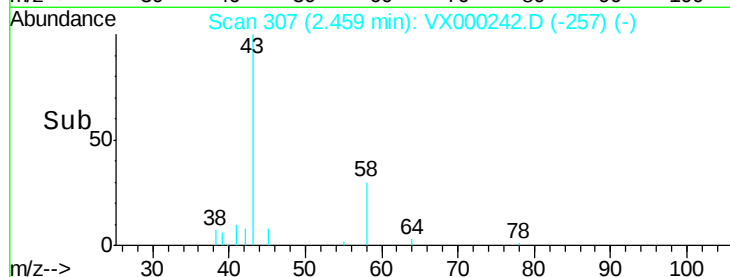
400

200

0

2.40 2.45 2.50 2.55

Time-->



#20

Methylene Chloride

Concen: 0.79 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Tgt Ion: 84 Resp: 966

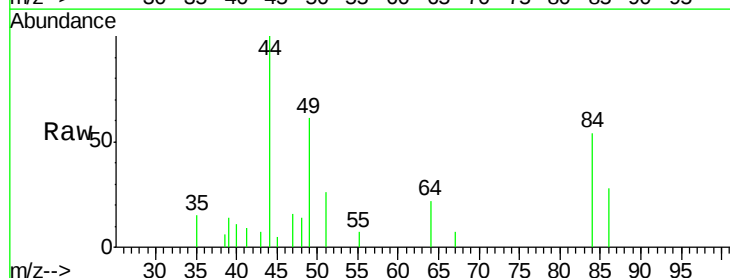
Ion Ratio Lower Upper

84 100

49 113.3 102.1 153.1

51 48.1 30.6 45.8#

86 50.8 49.0 73.6



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

1000

800

600

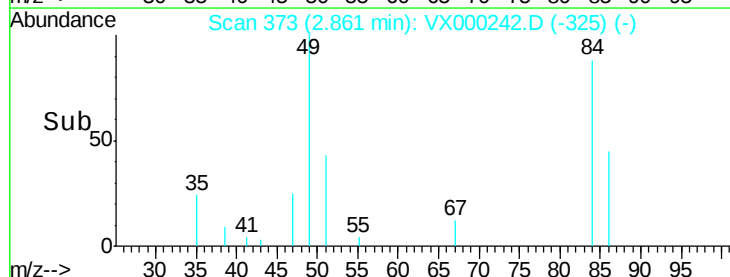
400

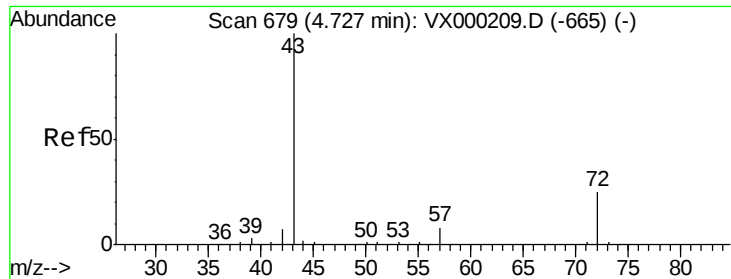
200

0

2.85 2.90

Time-->





#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

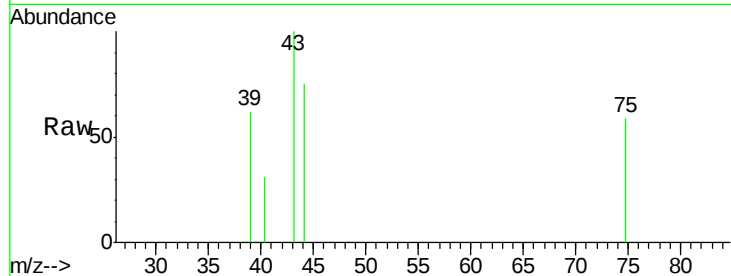
Concrete-Structure

Tot Ion: 43 Resp: 257

Ion Ratio Lower Upper

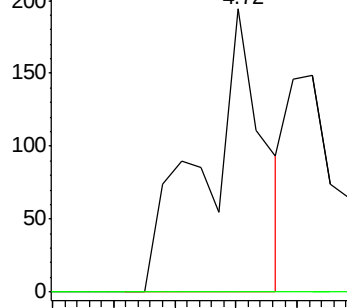
43 100

72 0.0 20.2 30.2#

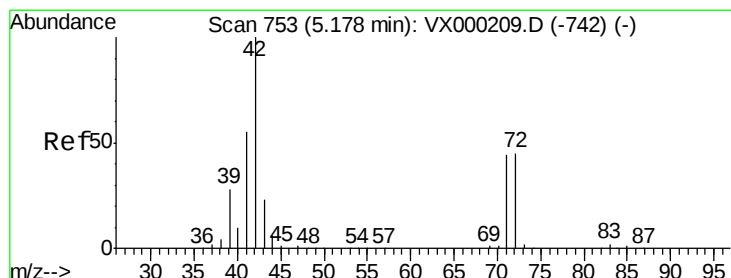
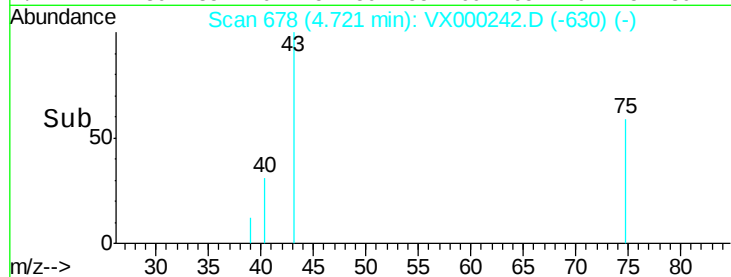


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time--> 4.66 4.68 4.70 4.72 4.74



#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

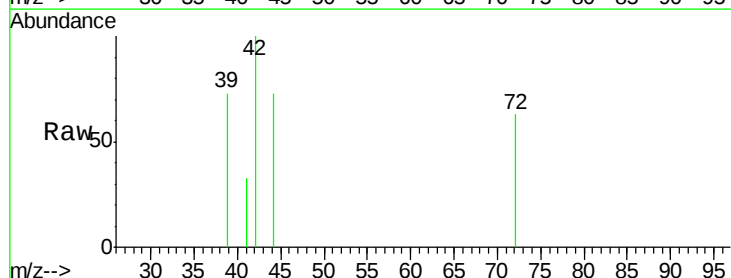
Tgt Ion: 42 Resp: 280

Ion Ratio Lower Upper

42 100

72 23.2 37.3 55.9#

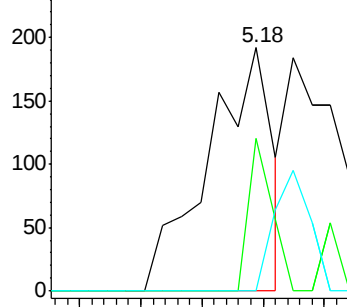
71 0.0 35.0 52.4#



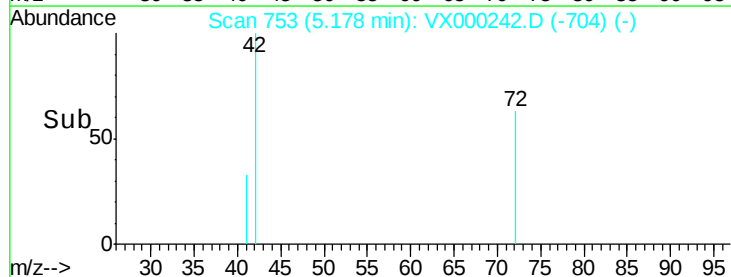
Abundance Ion 42.00 (41.70 to 42.70): VX0

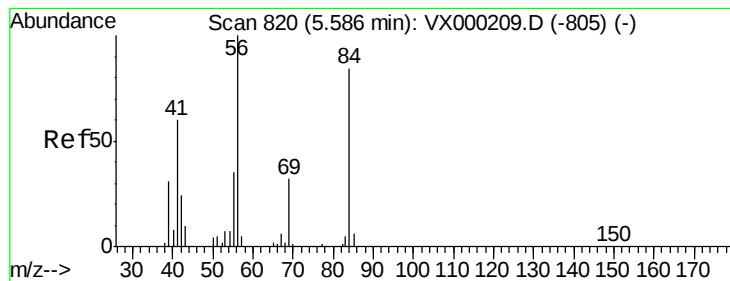
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time--> 5.12 5.14 5.16 5.18 5.20





#31

Cyclohexane

Concen: 1.64 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

Concrete-Structure

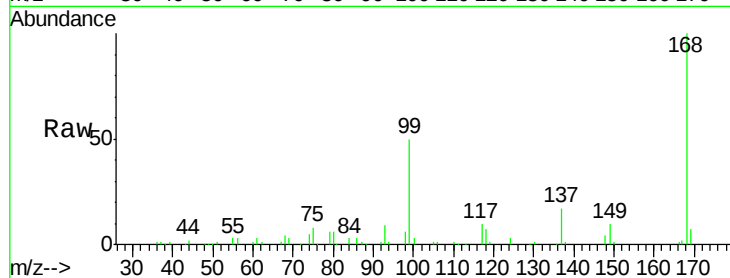
Tot Ion: 56 Resp: 2567

Ion Ratio Lower Upper

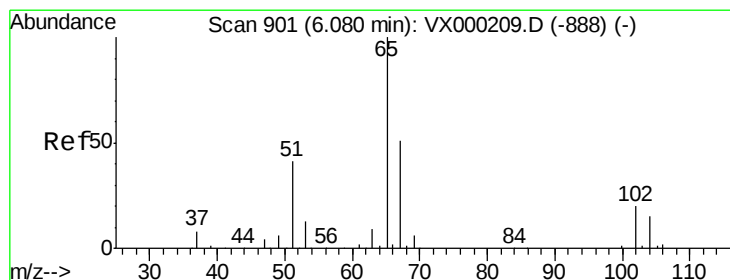
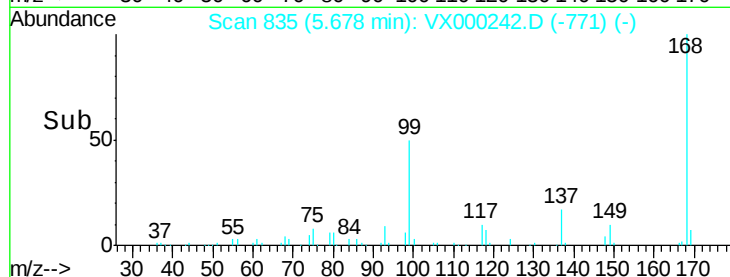
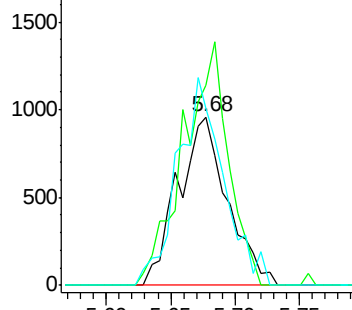
56 100

69 118.7 25.3 37.9#

84 105.0 67.2 100.8#



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: 57.19 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000242.D

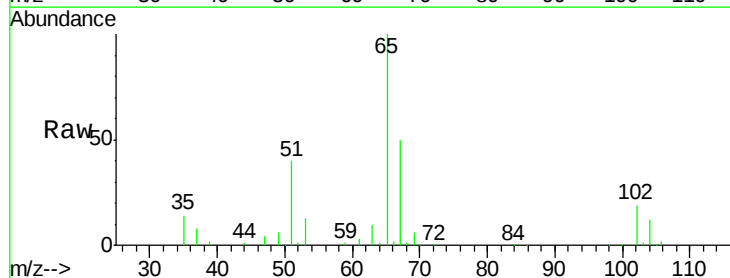
Acq: 09 Mar 2018 00:49

Tgt Ion: 65 Resp: 81827

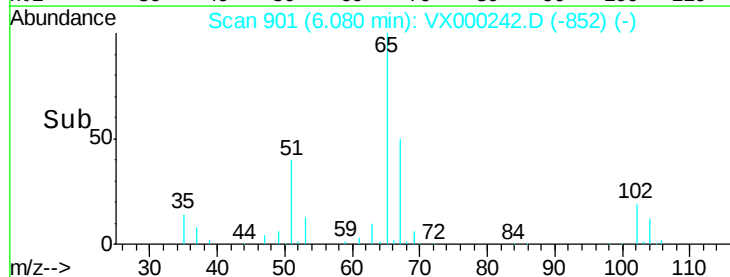
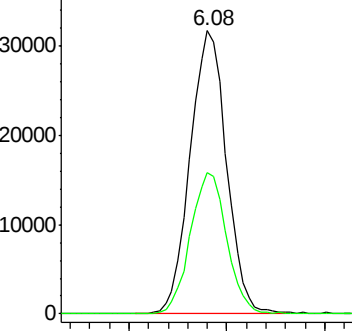
Ion Ratio Lower Upper

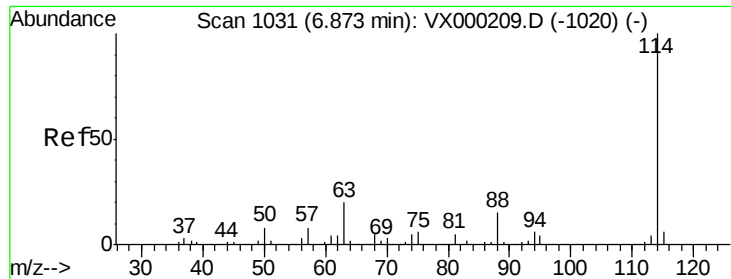
65 100

67 49.8 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

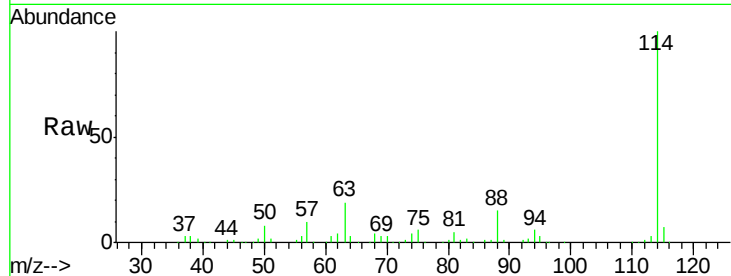




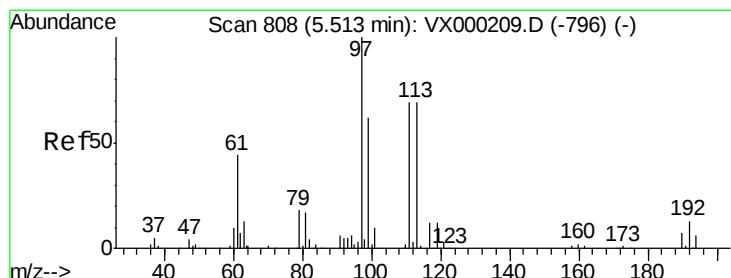
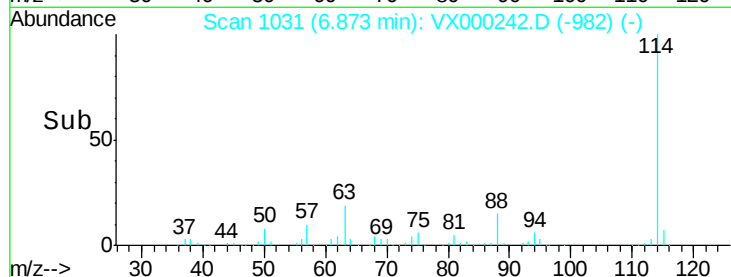
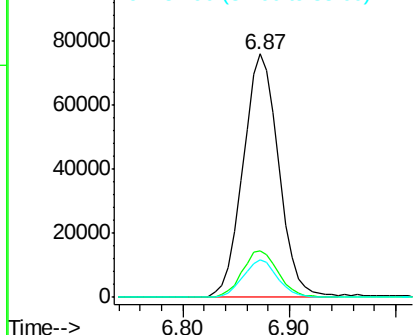
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000242.D
 Acq: 09 Mar 2018 00:49

Instrument :
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Tot Ion:114 Resp: 178508
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 15.3 0.0 29.8

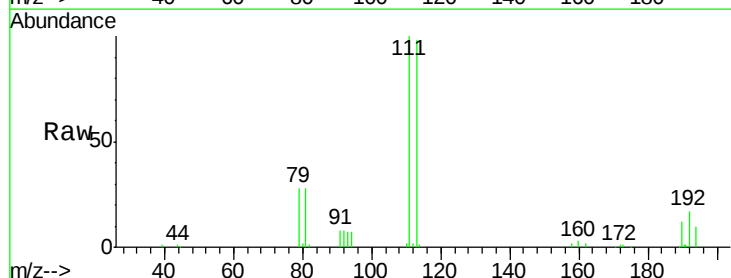


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

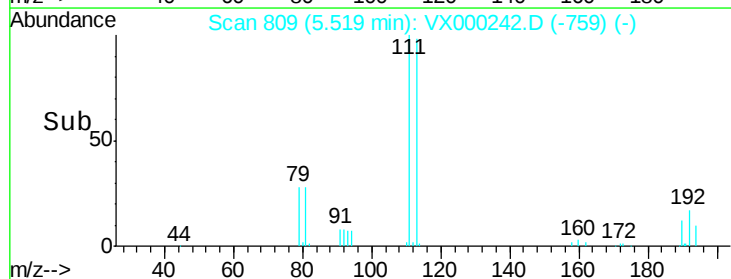
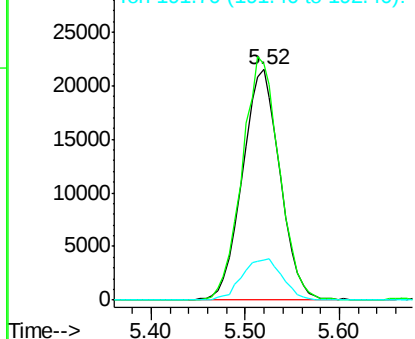


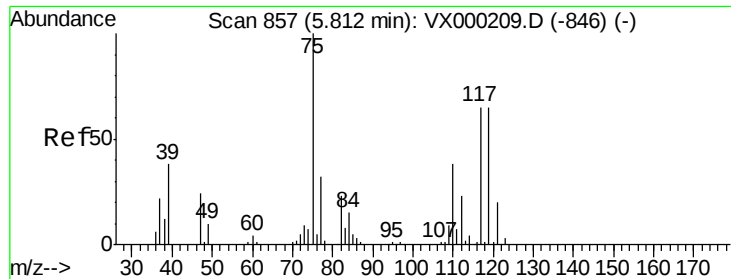
#35
 Dibromofluoromethane
 Concen: 53.51 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000242.D
 Acq: 09 Mar 2018 00:49

Tgt Ion:113 Resp: 60000
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.0 124.6
 192 19.2 15.5 23.3



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

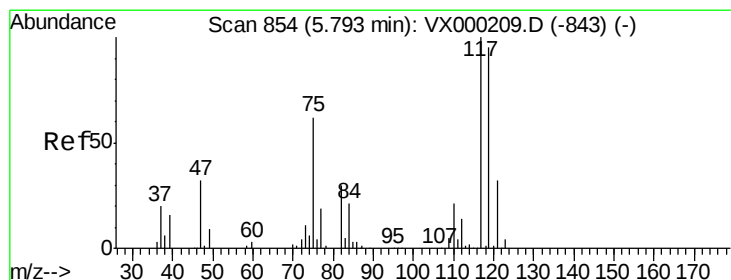
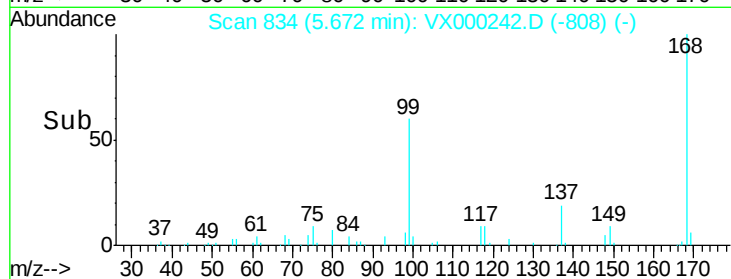
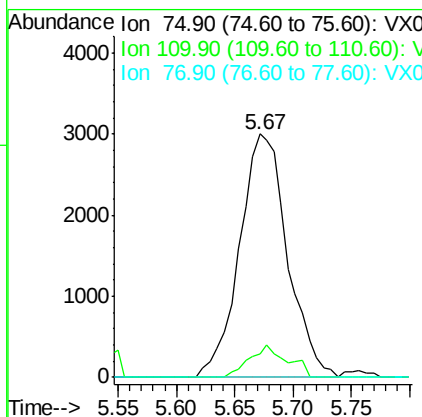
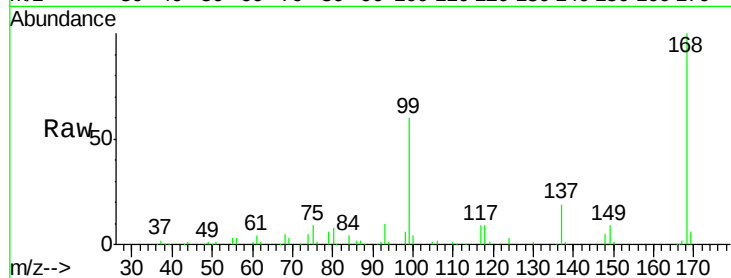




#36
 1,1-Dichloropropene
 Concen: 5.40 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000242.D
 Acq: 09 Mar 2018 00:49

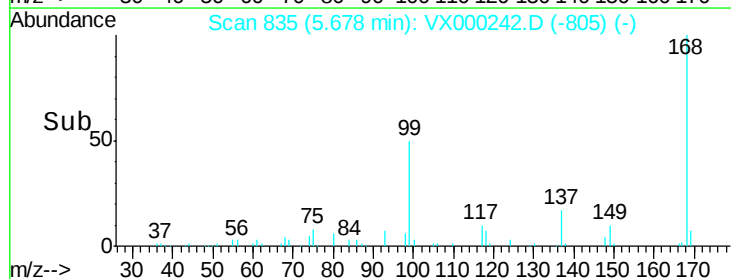
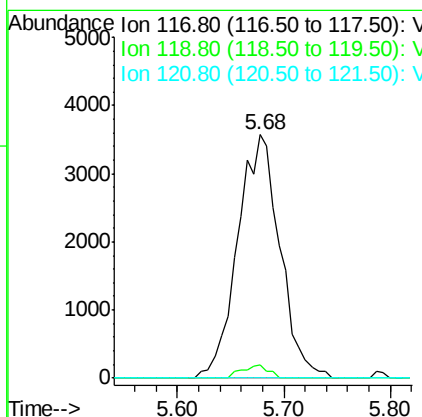
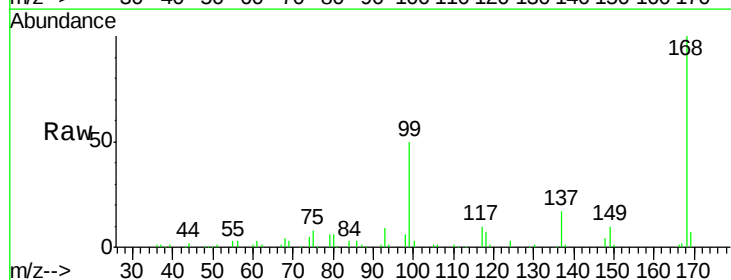
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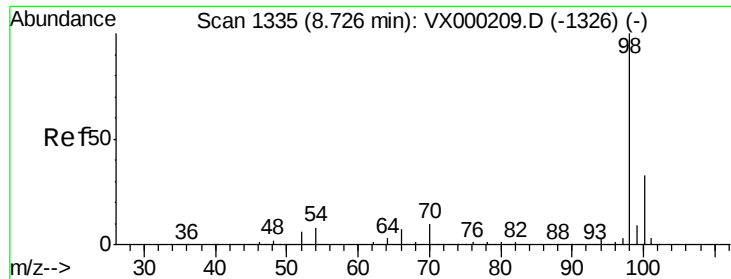
Tot Ion: 75 Resp: 8581
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.8 53.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.18 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000242.D
 Acq: 09 Mar 2018 00:49

Tgt Ion: 117 Resp: 9940
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.9 113.9#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.96 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

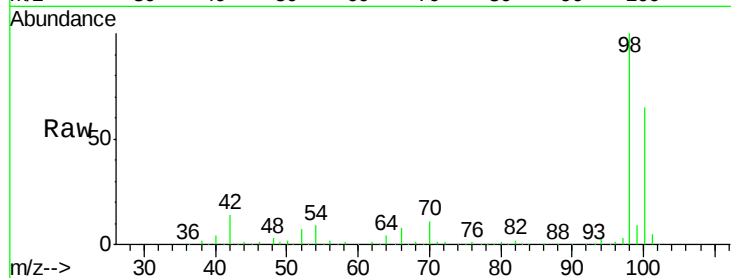
Concrete-Structure

Tot Ion: 98 Resp: 241332

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

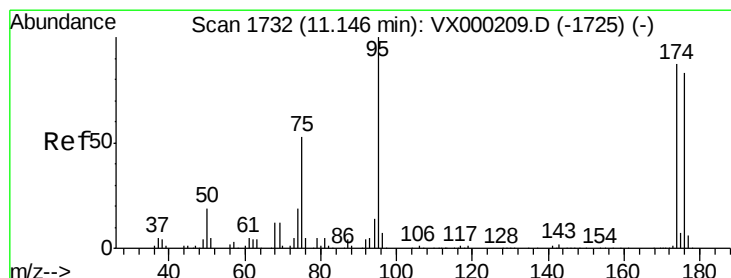
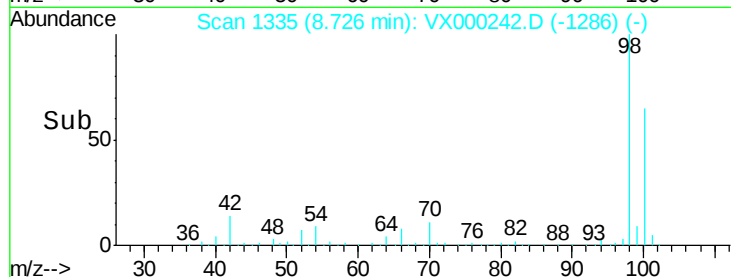
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

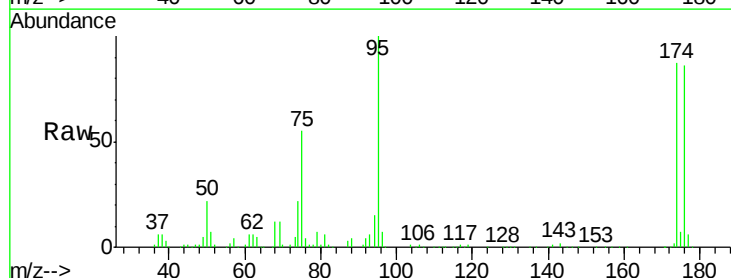
Tgt Ion: 95 Resp: 83721

Ion Ratio Lower Upper

95 100

174 88.7 0.0 175.6

176 86.0 0.0 171.0



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

80000

60000

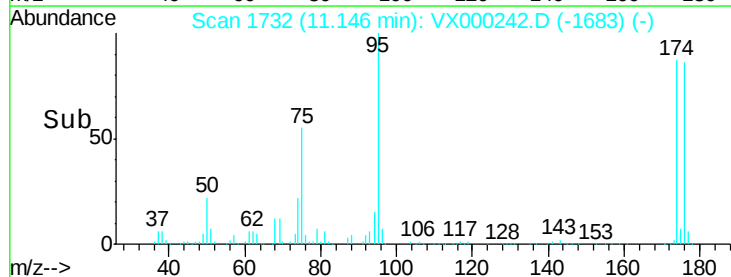
40000

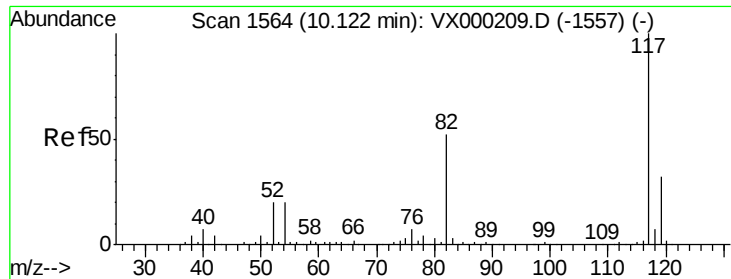
20000

0

11.10 11.15 11.20

Time-->

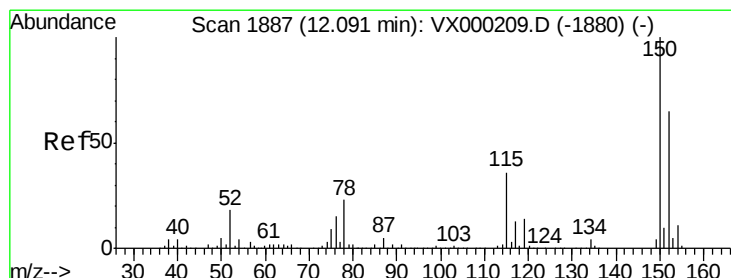
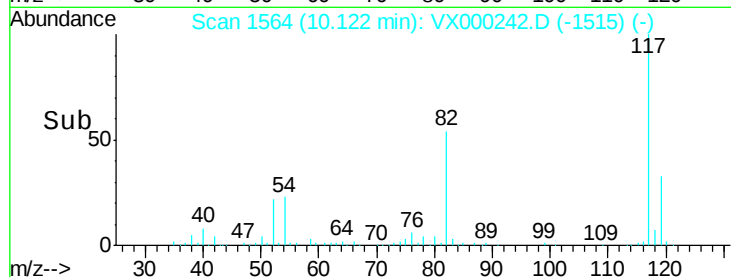
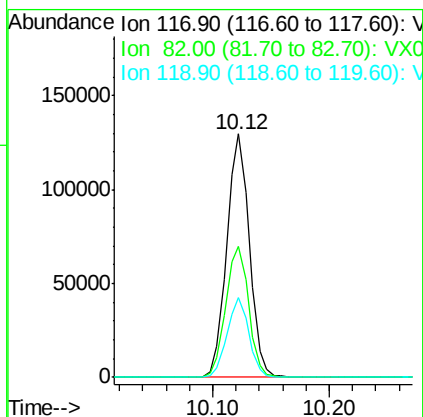
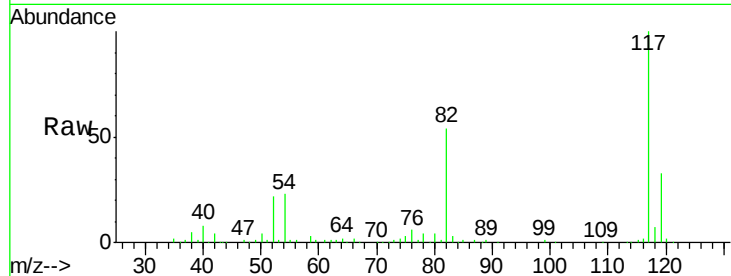




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000242.D
Acq: 09 Mar 2018 00:49

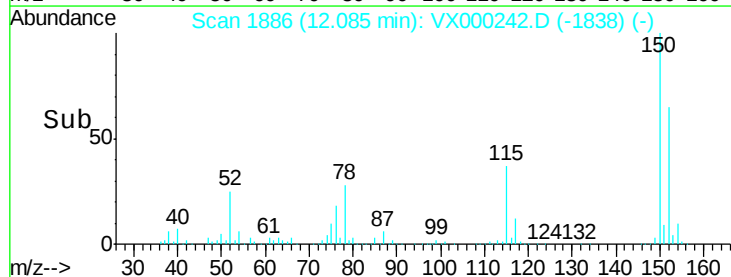
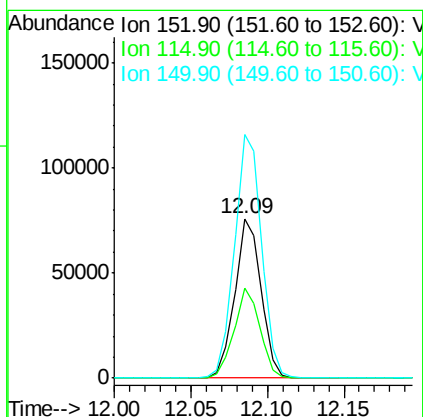
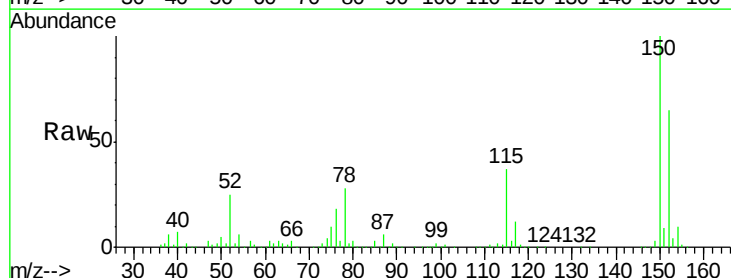
Instrument :
MSVOA_X
ClientSampleId :
Concrete-Structure

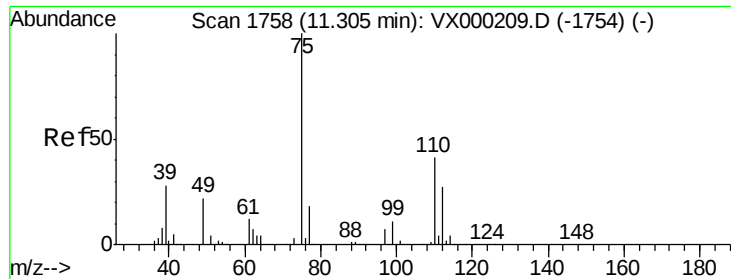
Tot Ion:117 Resp: 174588
Ion Ratio Lower Upper
117 100
82 53.7 42.0 63.0
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000242.D
Acq: 09 Mar 2018 00:49

Tgt Ion:152 Resp: 90217
Ion Ratio Lower Upper
152 100
115 55.9 39.8 119.3
150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.14 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

Instrument :

MSVOA_X

ClientSampleId :

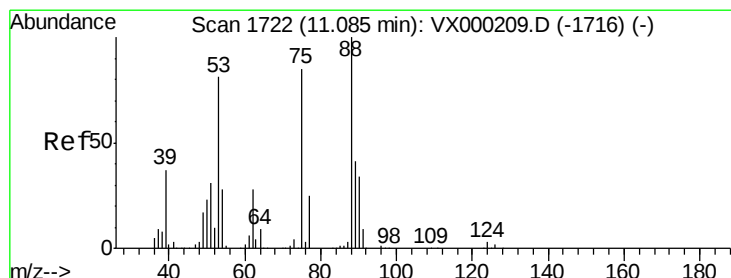
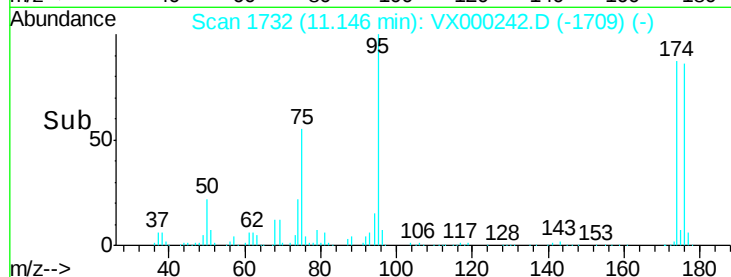
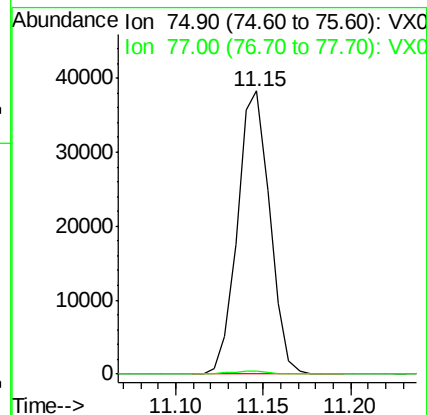
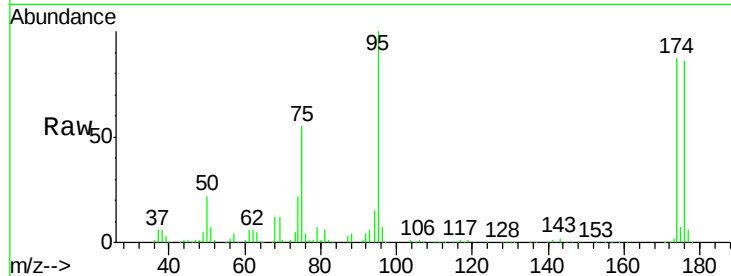
Concrete-Structure

Tot Ion: 75 Resp: 49080

Ion Ratio Lower Upper

75 100

77 1.2 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.11 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000242.D

Acq: 09 Mar 2018 00:49

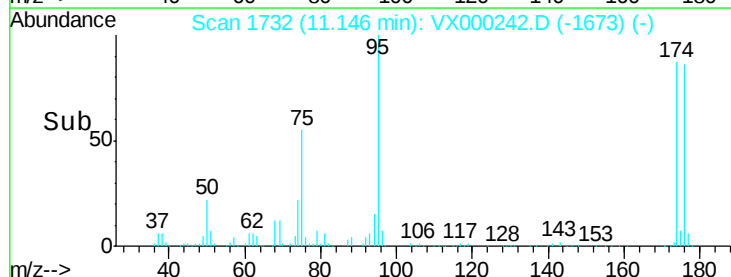
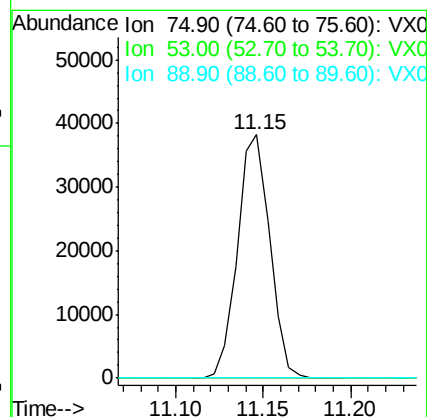
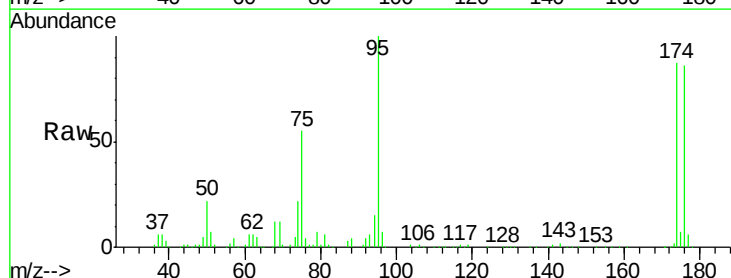
Tgt Ion: 75 Resp: 49080

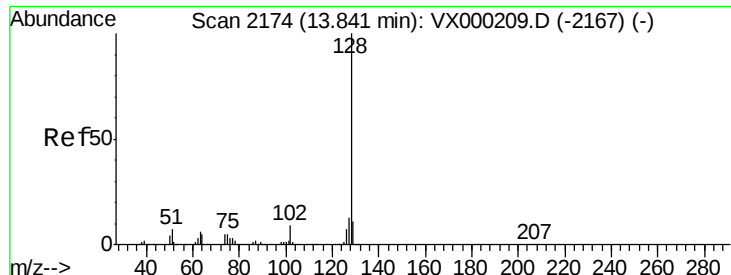
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 2.78 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000242.D
Acq: 09 Mar 2018 00:49

Instrument :
MSVOA_X
ClientSampleId :
Concrete-Structure

Tot Ion:128 Resp: 19371
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.2 8.6 13.0

