

Data File : VX001591.D
Acq On : 10 May 2018 07:47
Operator : JC/MD
Sample : J2807-08 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RED-BLACK-CONCRETE-SLAB

Quant Time: May 10 08:29:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	355780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167138	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	173004	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
35) Dibromofluoromethane	5.51	113	134487	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
50) Toluene-d8	8.72	98	487895	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
62) 4-Bromofluorobenzene	11.14	95	156707	35.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.68%	

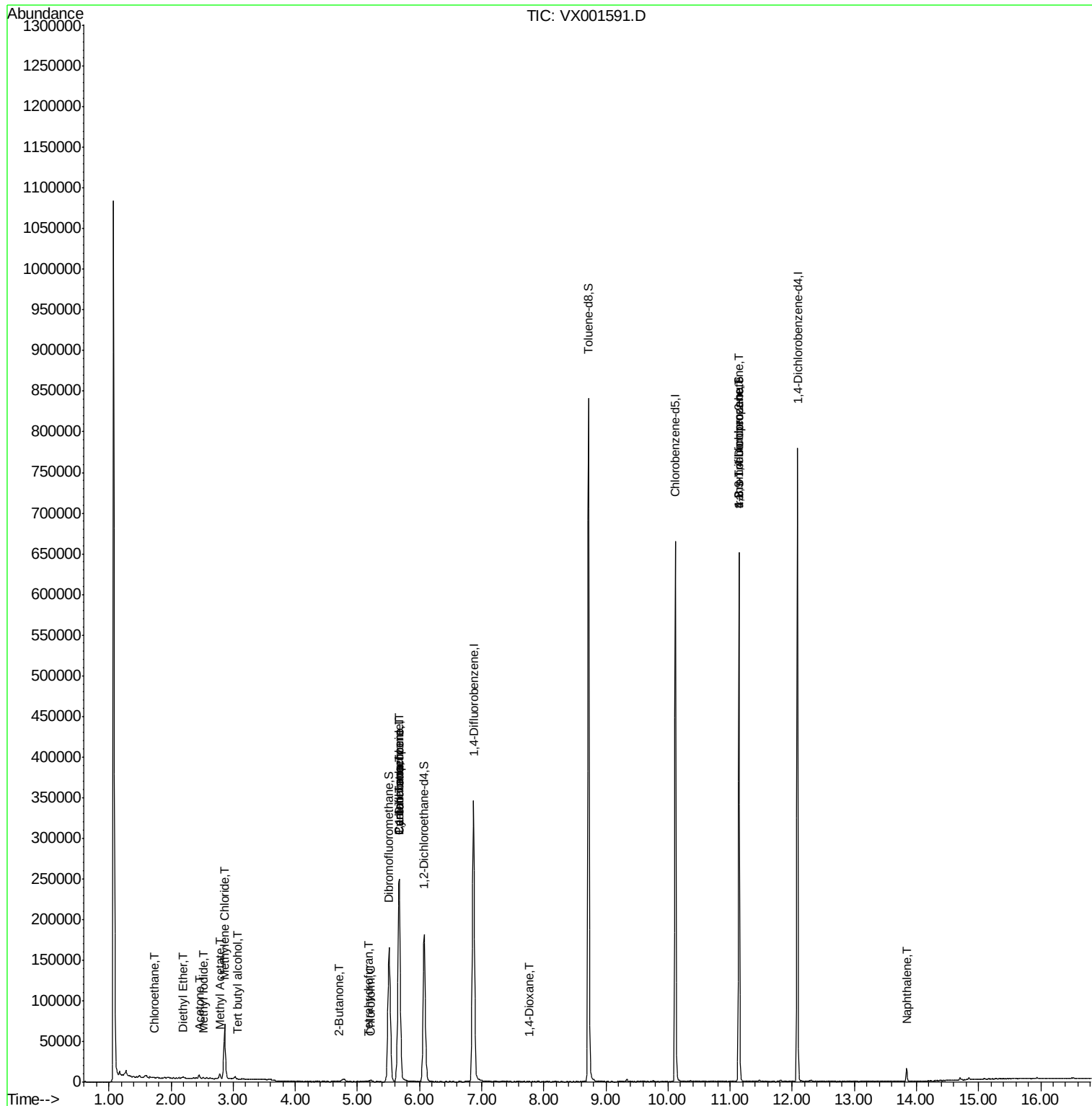
Target Compounds				Qvalue		
5) Bromomethane	1.66	94	966	Below Cal		98
6) Chloroethane	1.73	64	570	0.24 ug/l	#	73
8) Diethyl Ether	2.19	74	747	0.36 ug/l		97
10) Methyl Iodide	2.52	142	1357	0.30 ug/l		94
11) Tert butyl alcohol	3.06	59	404	0.51 ug/l	#	73
13) Acrolein	2.30	56	19	Below Cal	#	16
16) Acetone	2.45	43	4699	2.77 ug/l		97
18) Methyl Acetate	2.78	43	7197	1.62 ug/l		96
20) Methylene Chloride	2.86	84	31562	9.40 ug/l		96
25) 2-Butanone	4.71	43	1781	0.73 ug/l		97
29) Tetrahydrofuran	5.17	42	780	0.50 ug/l	#	59
30) Chloroform	5.21	83	1293	0.22 ug/l		94
31) Cyclohexane	5.67	56	4408	0.92 ug/l	#	5
36) 1,1-Dichloropropene	5.67	75	16208	3.58 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	22445	4.65 ug/l	#	15
49) 1,4-Dioxane	7.76	88	21	0.23 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	78356	23.12 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	78356	71.67 ug/l	#	7
95) Naphthalene	13.84	128	9957	0.80 ug/l		98

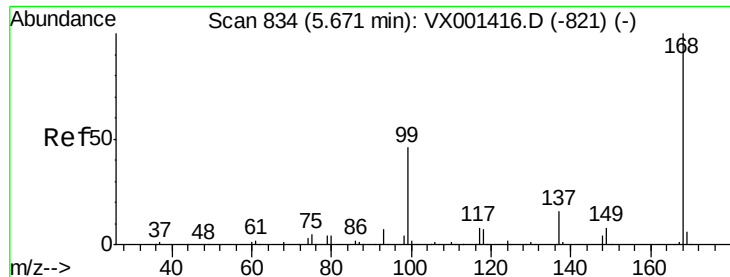
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

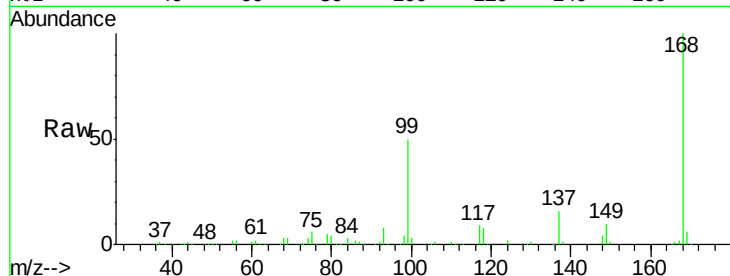
RED-BLACK-CONCRETE-SLAB

Tgt Ion:168 Resp: 259810

Ion Ratio Lower Upper

168 100

99 49.6 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

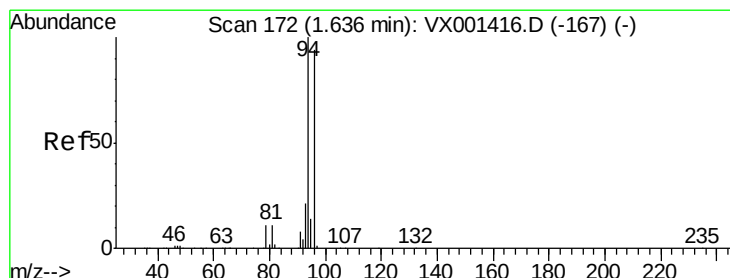
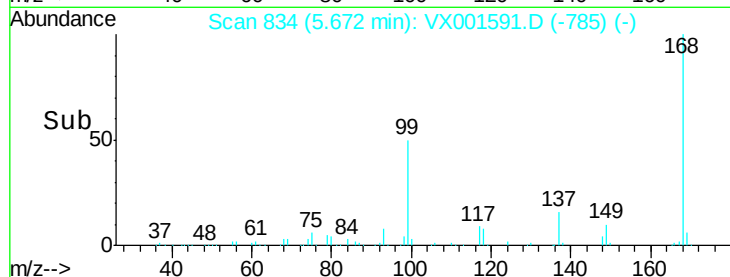
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001591.D

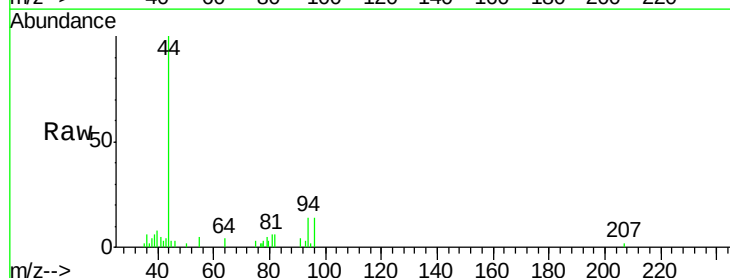
Acq: 10 May 2018 07:47

Tgt Ion: 94 Resp: 966

Ion Ratio Lower Upper

94 100

96 95.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

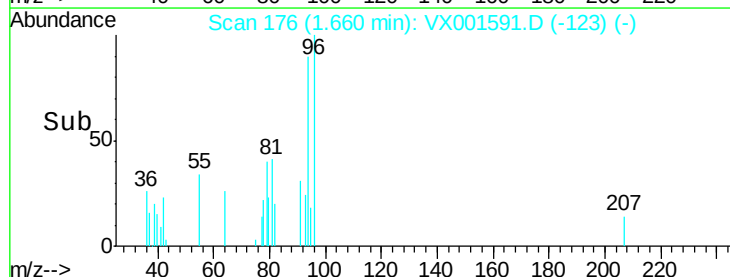
300

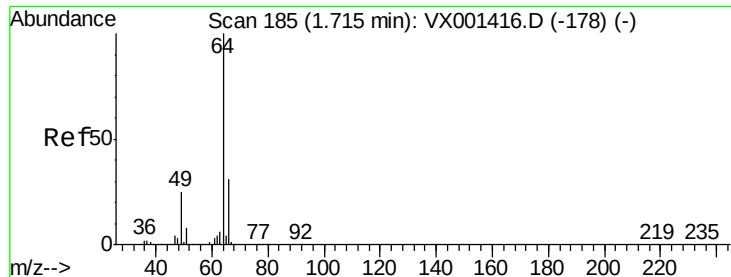
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.24 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.02 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

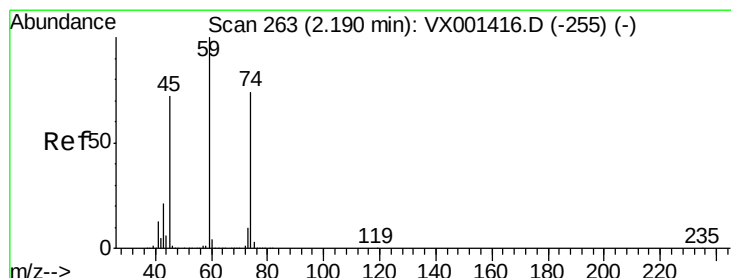
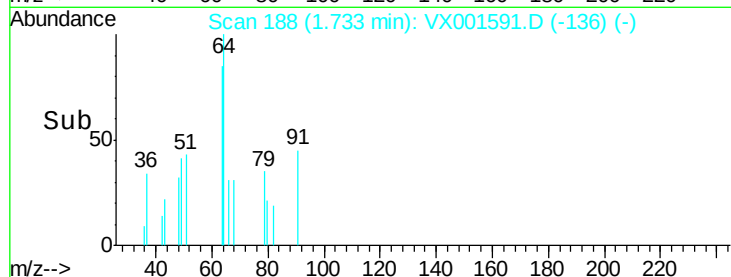
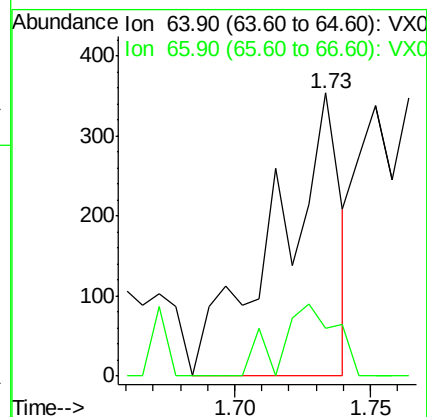
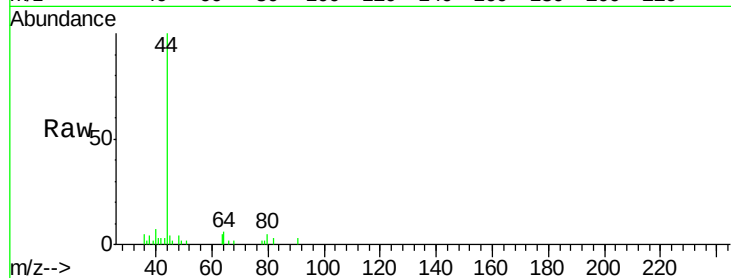
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 64 Resp: 570

Ion Ratio Lower Upper

64 100

66 16.7 25.1 37.7#



#8

Diethyl Ether

Concen: 0.36 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001591.D

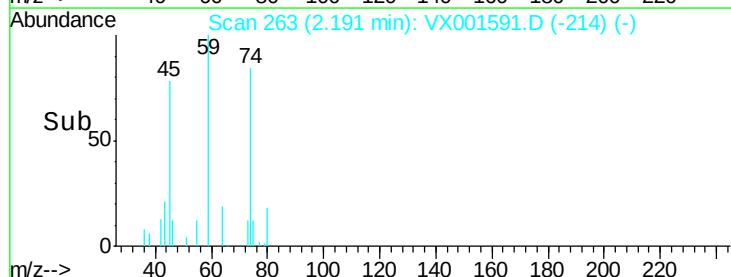
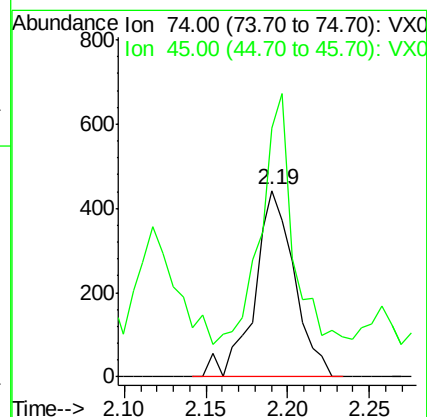
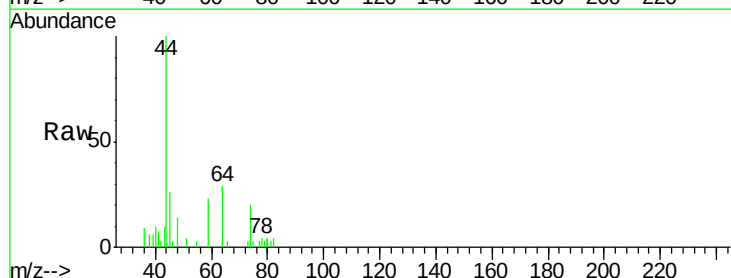
Acq: 10 May 2018 07:47

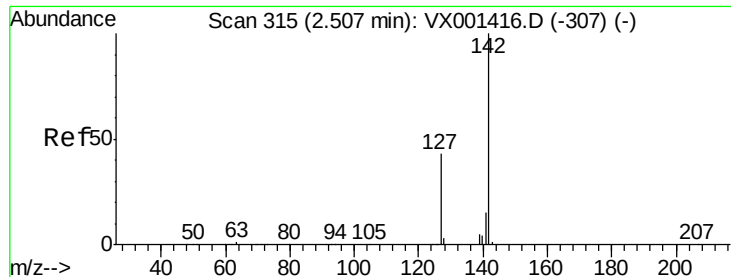
Tgt Ion: 74 Resp: 747

Ion Ratio Lower Upper

74 100

45 99.1 47.9 143.6

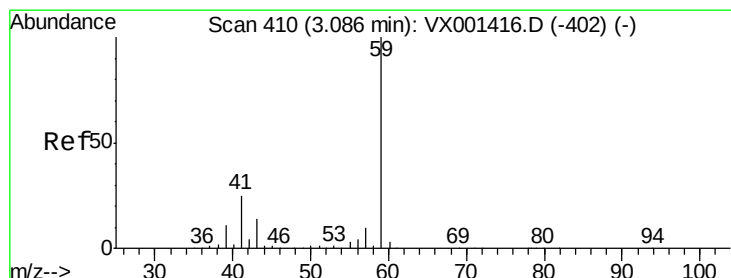
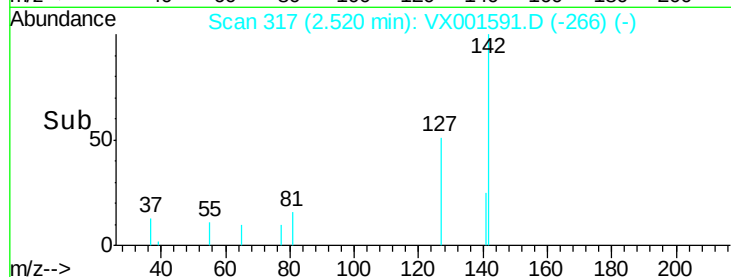
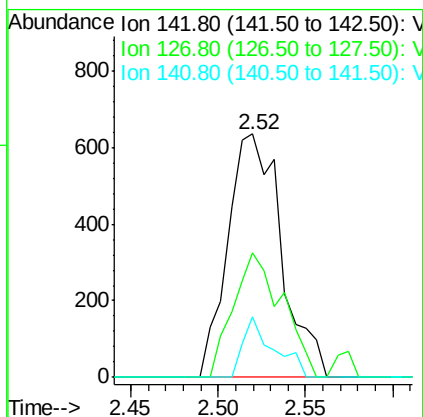
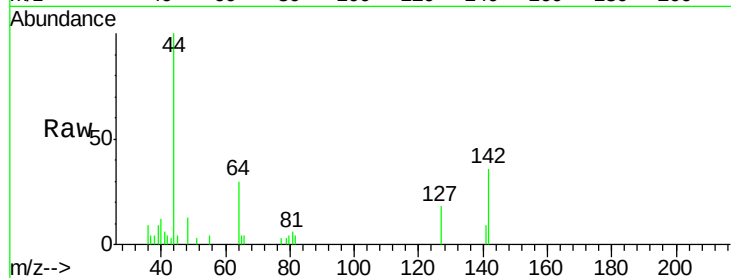




#10
Methyl Iodide
Concen: 0.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

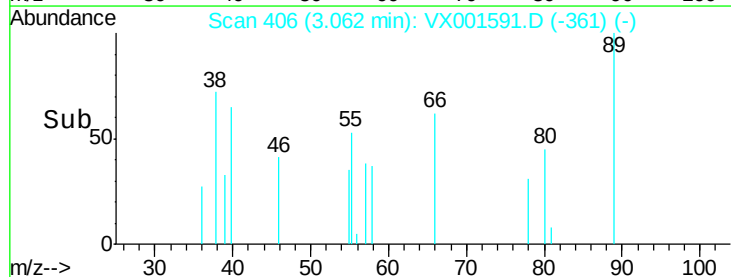
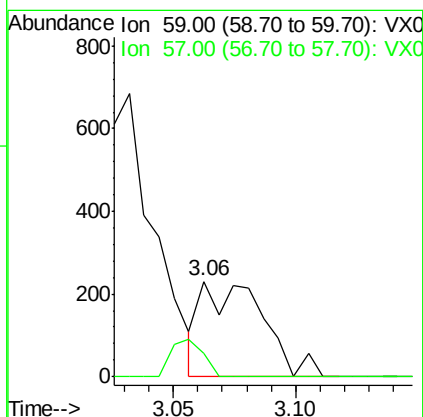
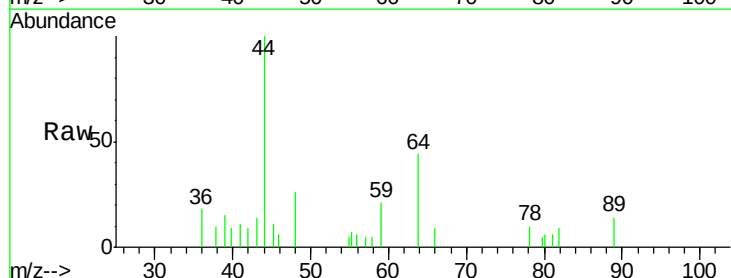
Instrument :
MSVOA_X
ClientSampleId :
RED-BLACK-CONCRETE-SLAB

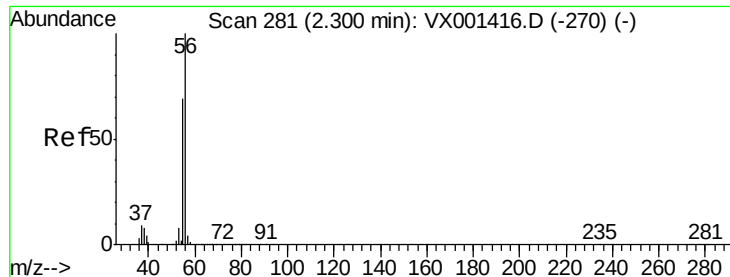
Tgt Ion: 142 Resp: 1357
Ion Ratio Lower Upper
142 100
127 46.6 33.6 50.4
141 14.1 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 20.3 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

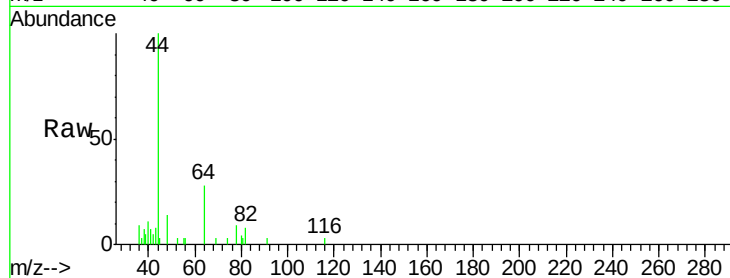
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

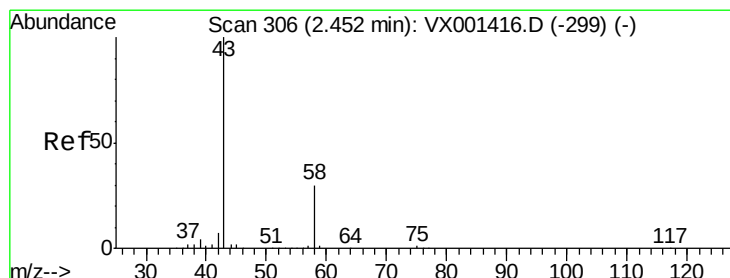
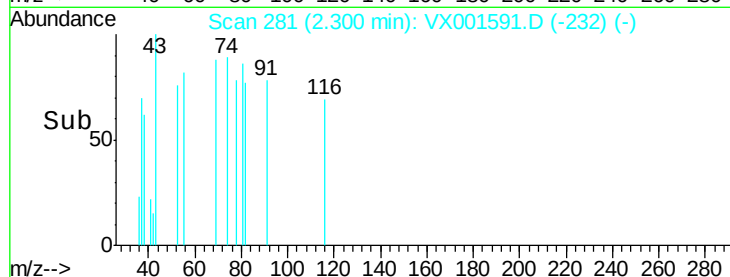
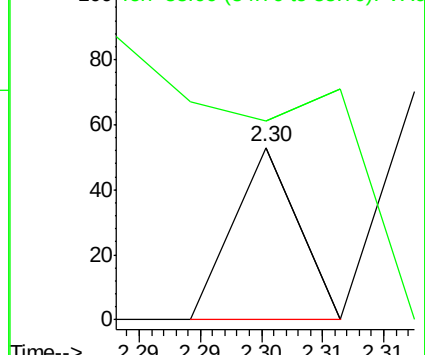
56 100

55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.77 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001591.D

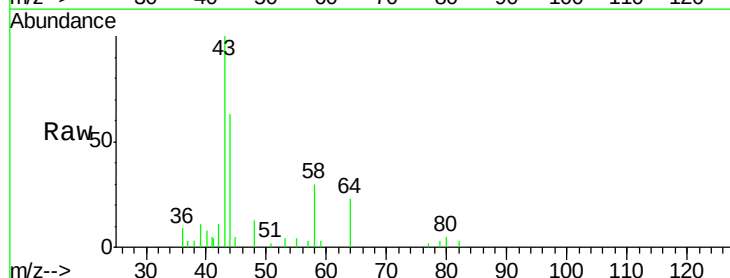
Acq: 10 May 2018 07:47

Tgt Ion: 43 Resp: 4699

Ion Ratio Lower Upper

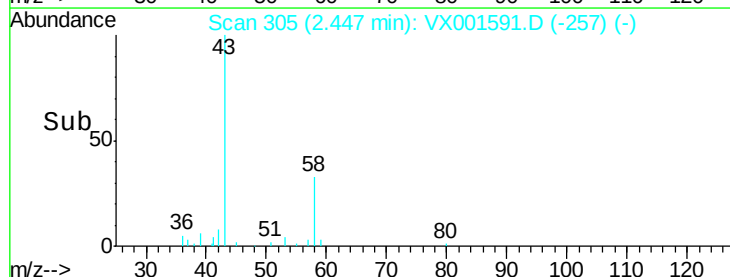
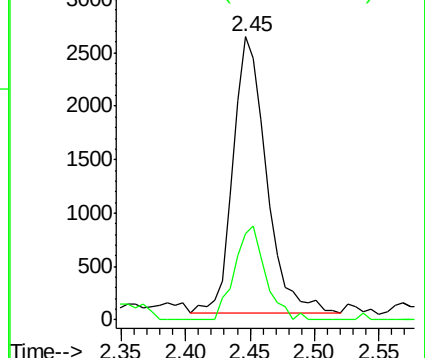
43 100

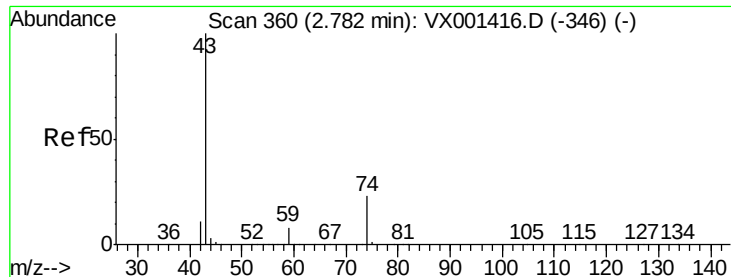
58 31.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

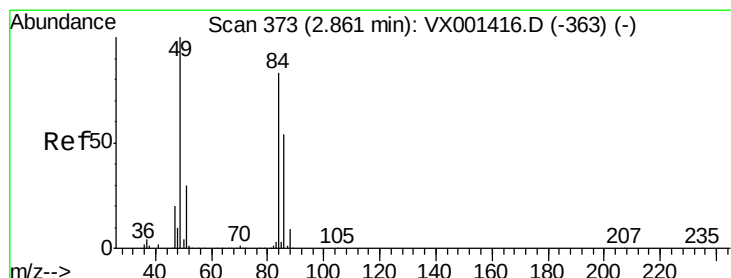
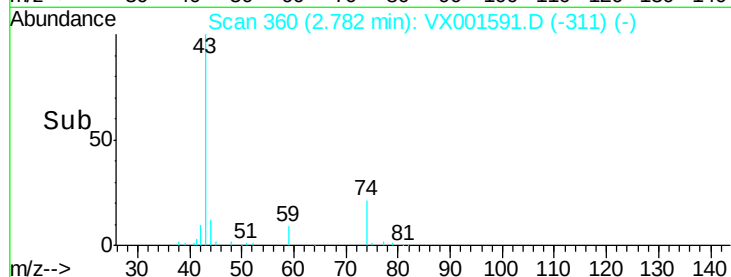
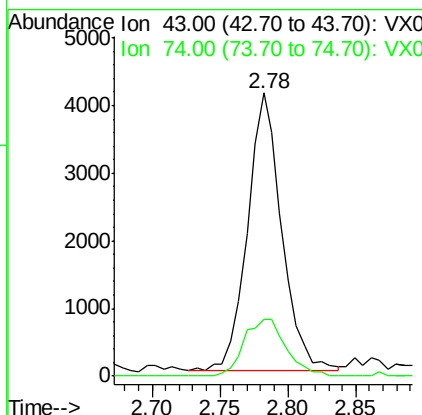
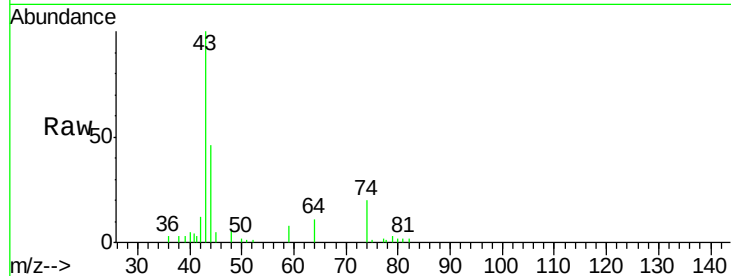




#18
Methyl Acetate
Concen: 1.62 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

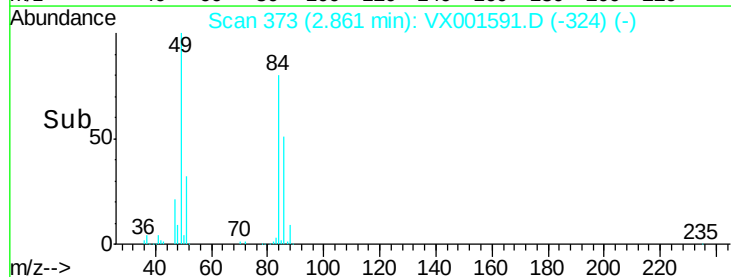
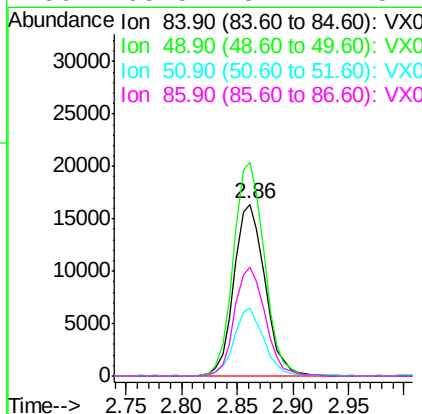
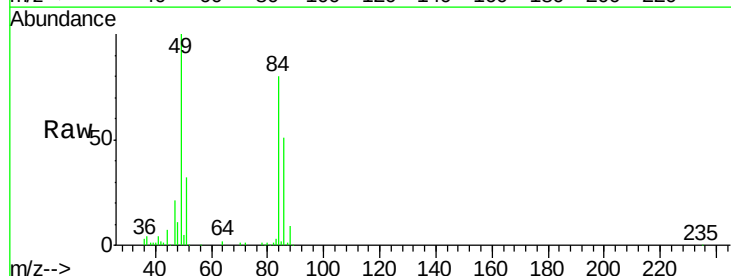
Instrument :
MSVOA_X
ClientSampleId :
RED-BLACK-CONCRETE-SLAB

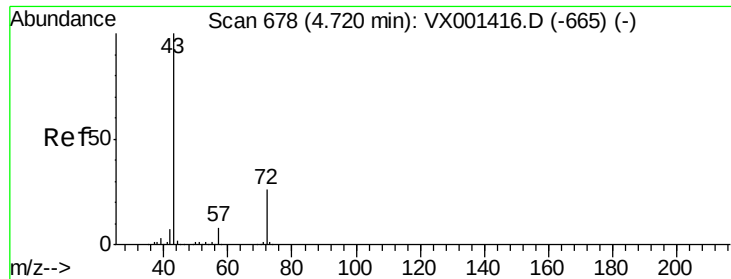
Tgt Ion: 43 Resp: 7197
Ion Ratio Lower Upper
43 100
74 25.4 18.6 27.8



#20
Methylene Chloride
Concen: 9.40 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

Tgt Ion: 84 Resp: 31562
Ion Ratio Lower Upper
84 100
49 124.5 96.6 144.8
51 39.7 29.0 43.4
86 63.5 52.2 78.4





#25

2-Butanone

Concen: 0.73 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

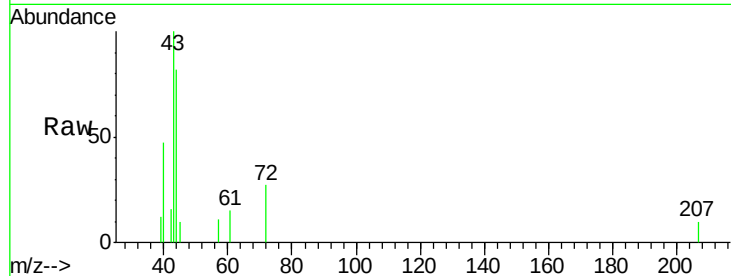
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 43 Resp: 1781

Ion Ratio Lower Upper

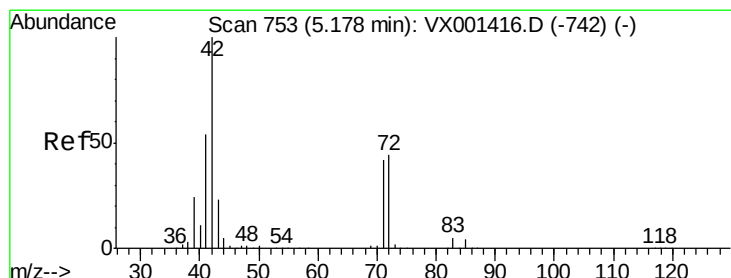
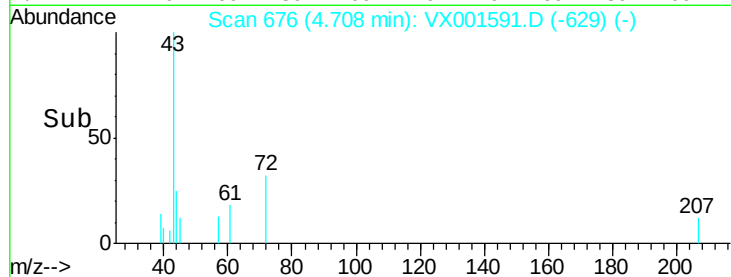
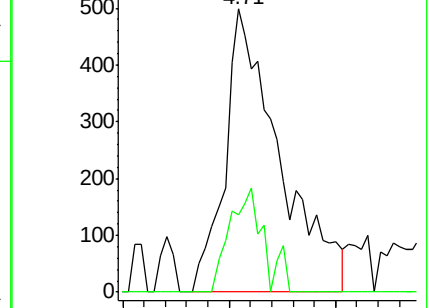
43 100

72 27.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

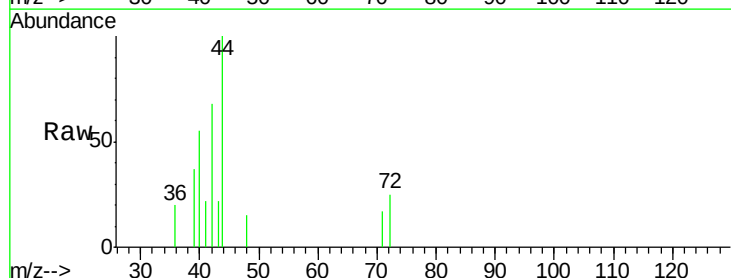
Tgt Ion: 42 Resp: 780

Ion Ratio Lower Upper

42 100

72 21.0 35.4 53.2#

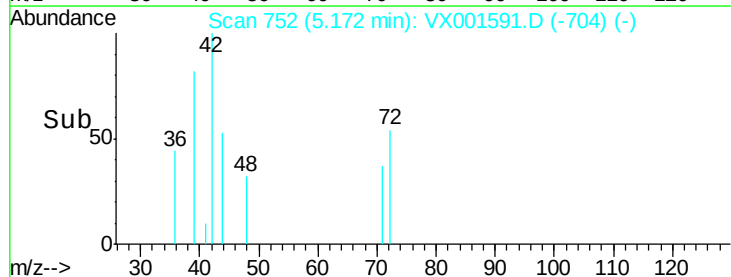
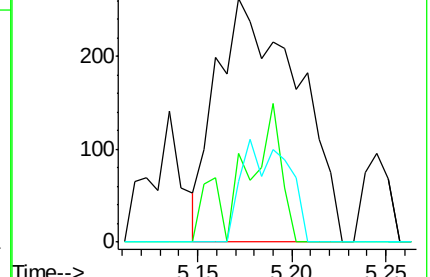
71 11.5 33.0 49.4#

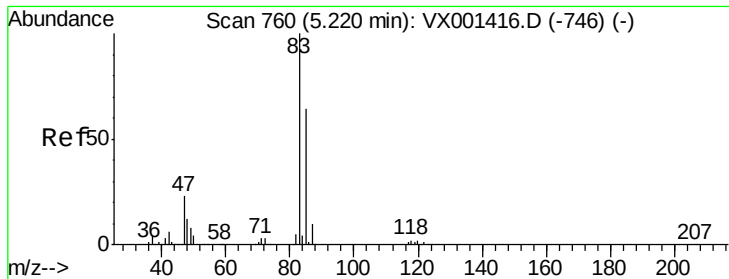


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#30

Chloroform

Concen: 0.22 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

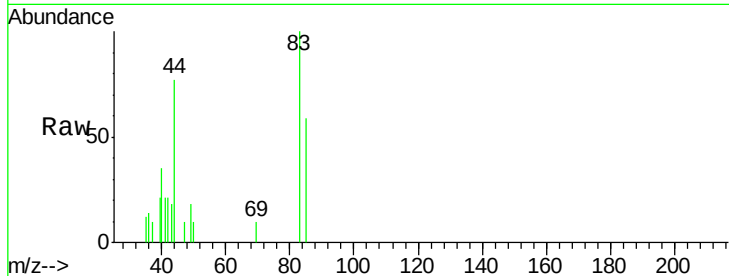
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 83 Resp: 1293

Ion Ratio Lower Upper

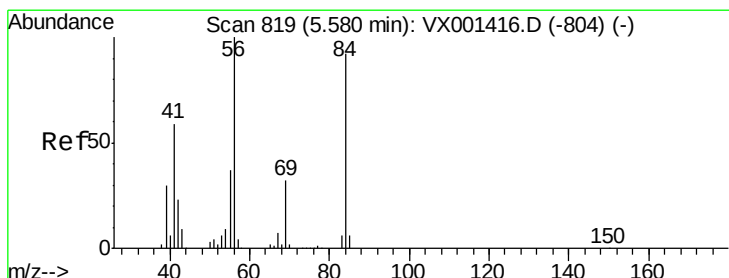
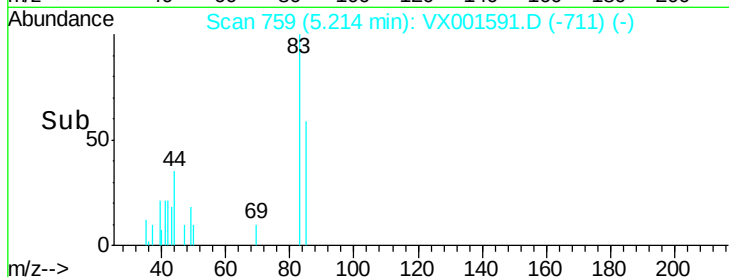
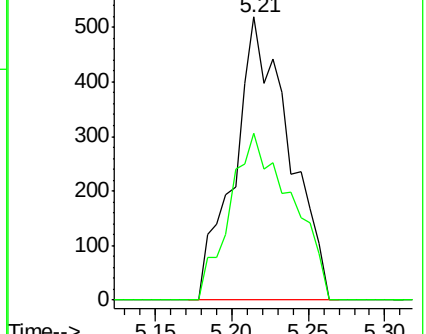
83 100

85 59.2 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

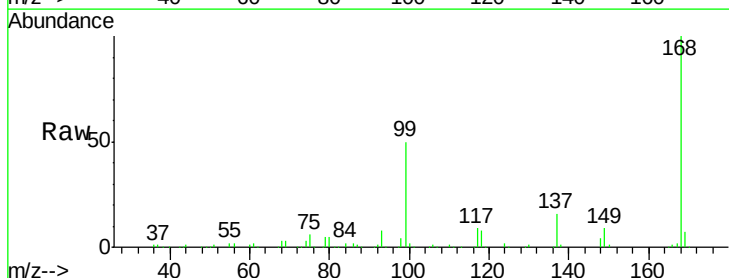
Tgt Ion: 56 Resp: 4408

Ion Ratio Lower Upper

56 100

69 178.3 25.4 38.0#

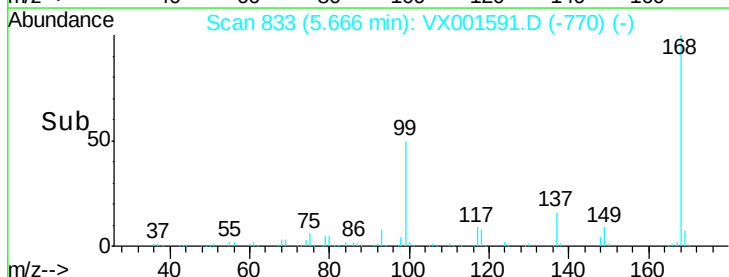
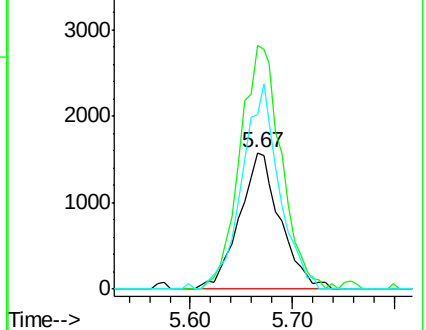
84 128.2 73.8 110.8#

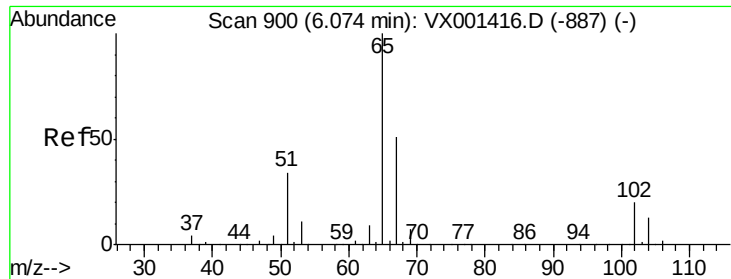


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

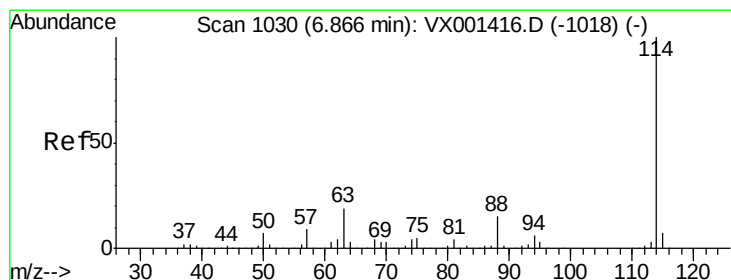
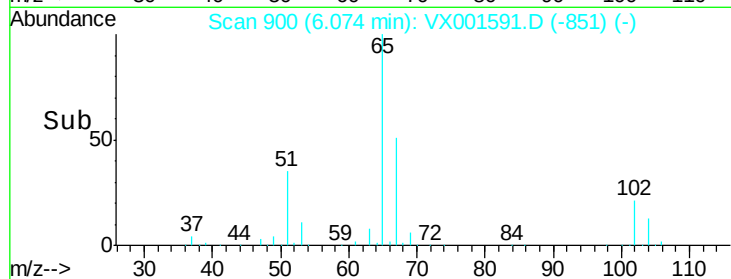
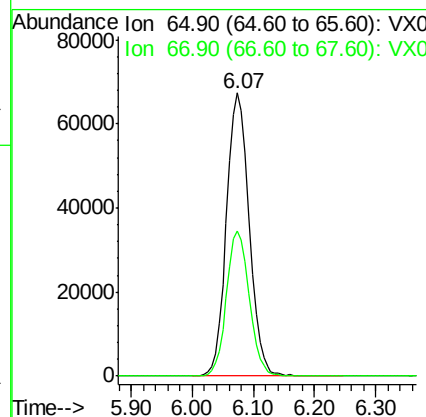
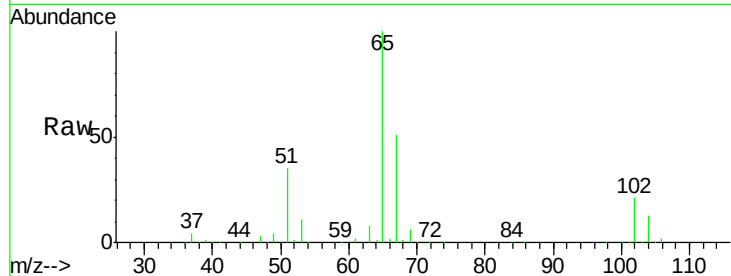




#33
 1,2-Dichloroethane-d4
 Concen: 46.33 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001591.D
 Acq: 10 May 2018 07:47

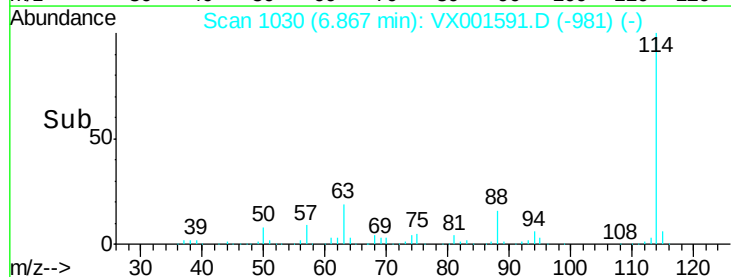
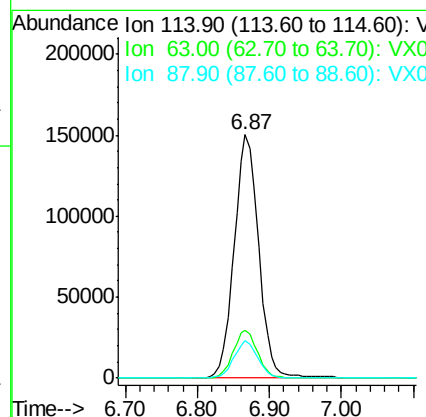
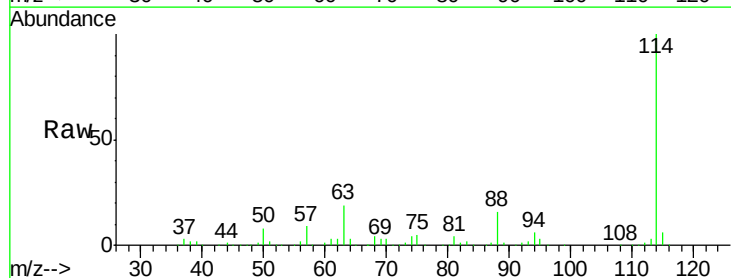
Instrument :
 MSVOA_X
 ClientSampleId :
 RED-BLACK-CONCRETE-SLAB

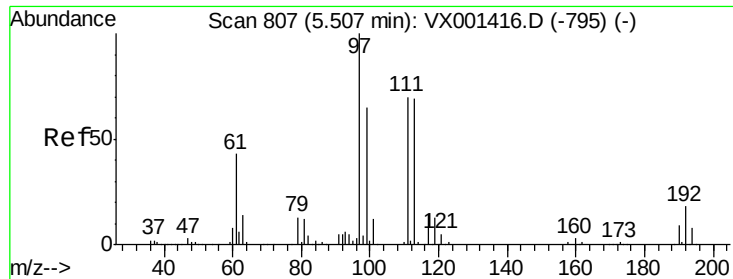
Tgt Ion: 65 Resp: 173004
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001591.D
 Acq: 10 May 2018 07:47

Tgt Ion: 114 Resp: 355780
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.5 0.0 30.8

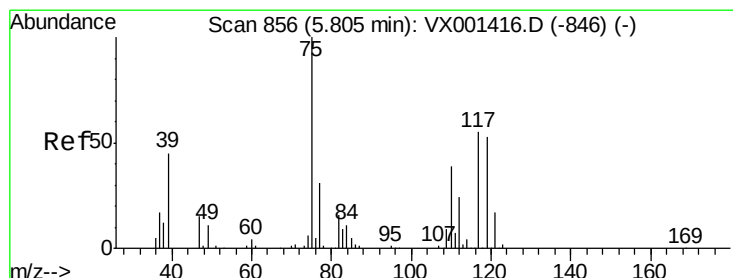
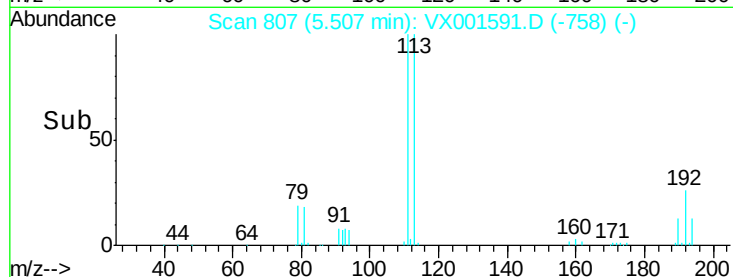
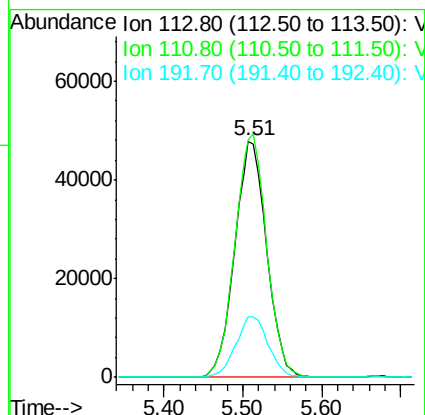
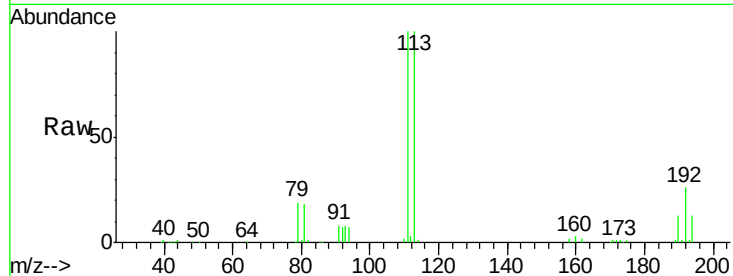




#35
 Dibromofluoromethane
 Concen: 42.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001591.D
 Acq: 10 May 2018 07:47

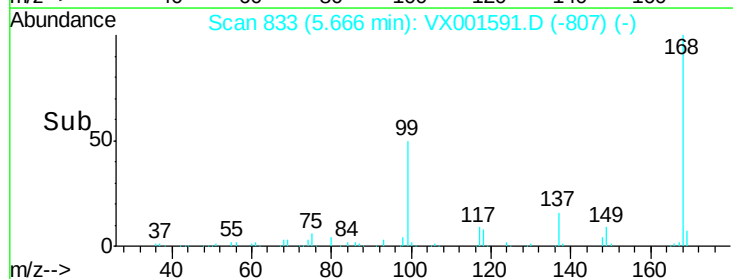
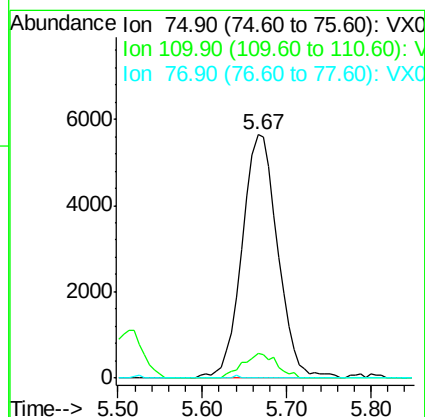
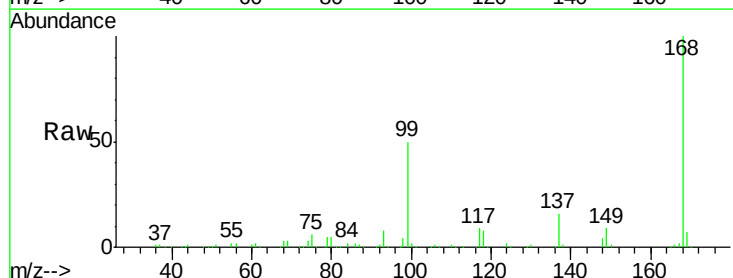
Instrument :
 MSVOA_X
 ClientSampleId :
 RED-BLACK-CONCRETE-SLAB

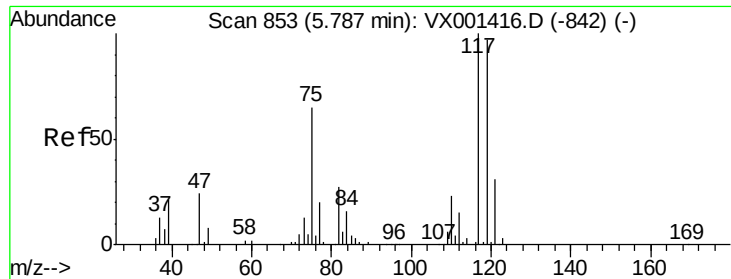
Tgt Ion:113 Resp: 134487
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.2
 192 26.2 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001591.D
 Acq: 10 May 2018 07:47

Tgt Ion: 75 Resp: 16208
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.65 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

RED-BLACK-CONCRETE-SLAB

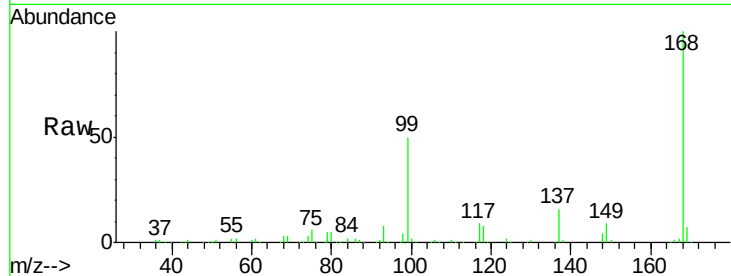
Tgt Ion: 117 Resp: 22445

Ion Ratio Lower Upper

117 100

119 3.7 77.0 115.6#

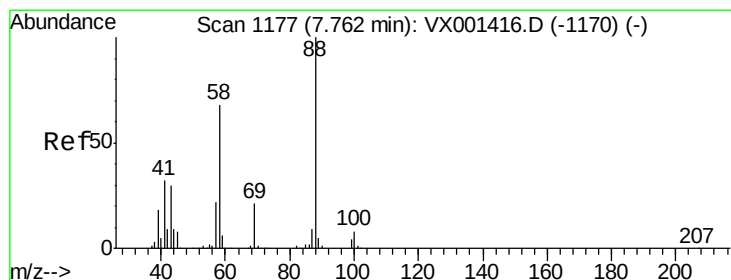
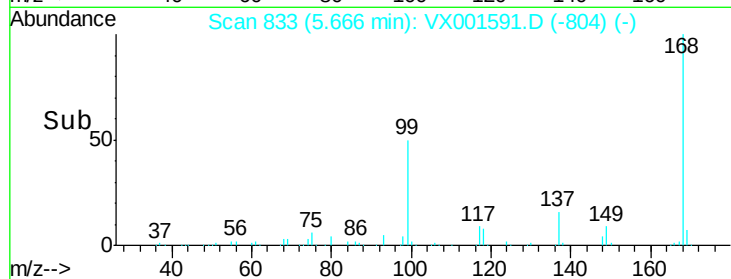
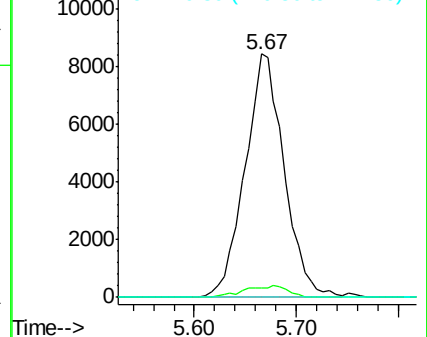
121 0.0 25.1 37.7#



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



#49

1,4-Dioxane

Concen: 0.23 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

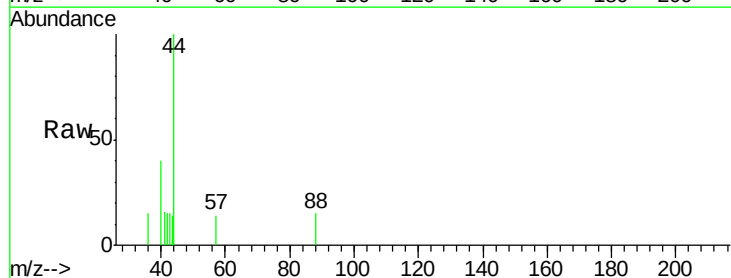
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 366.7 26.4 39.6#

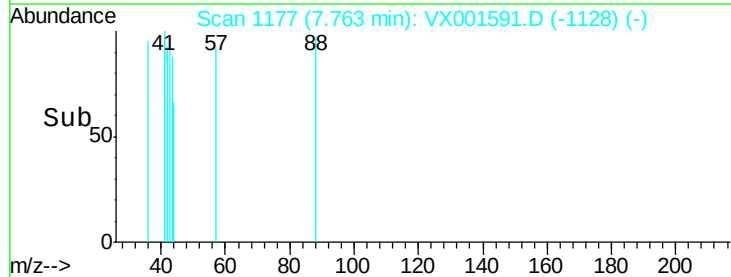
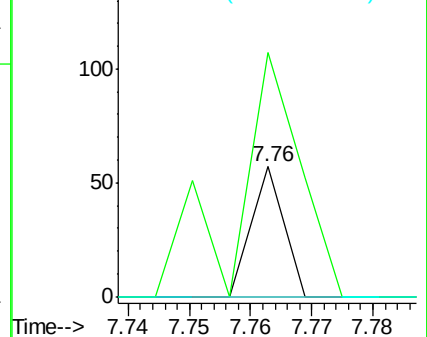
58 0.0 54.1 81.1#

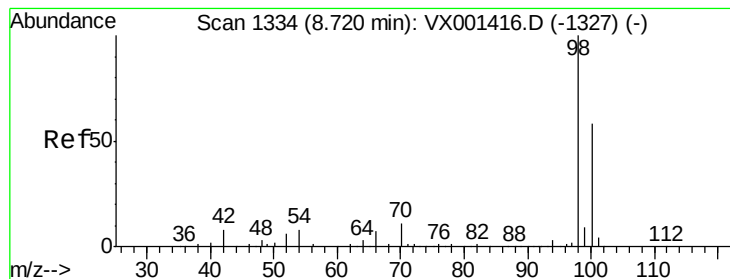


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 42.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

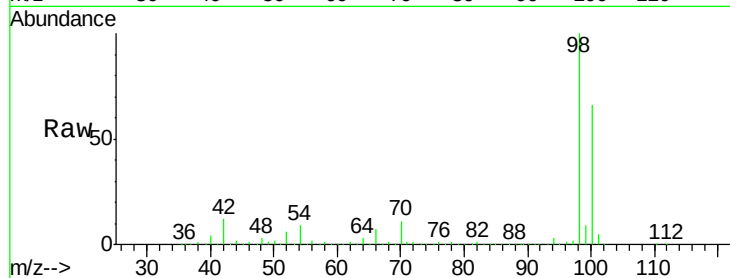
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 98 Resp: 487895

Ion Ratio Lower Upper

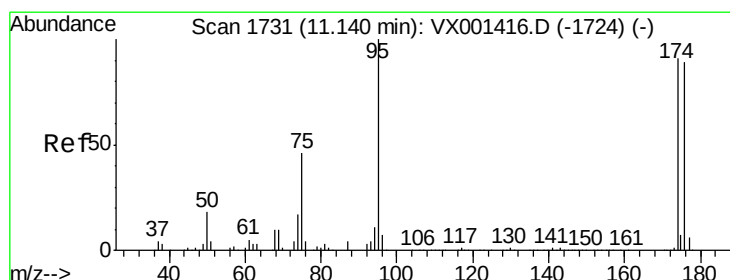
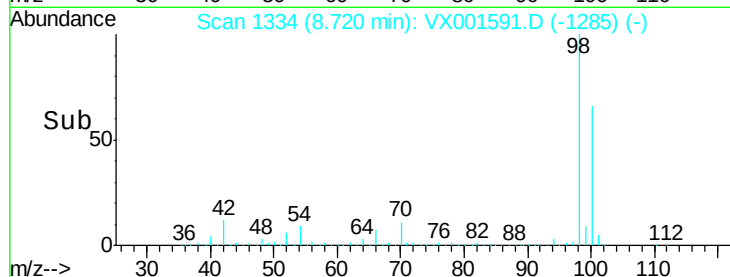
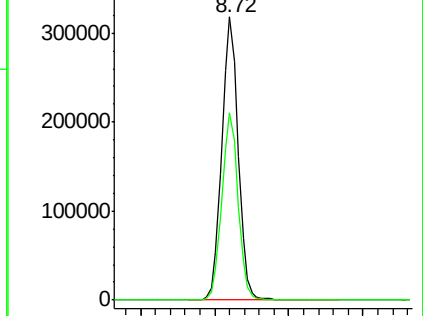
98 100

100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 35.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

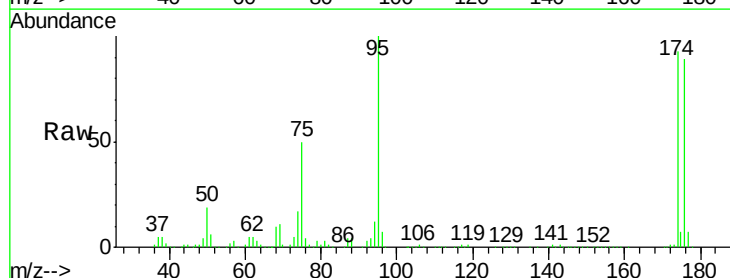
Tgt Ion: 95 Resp: 156707

Ion Ratio Lower Upper

95 100

174 101.2 0.0 202.0

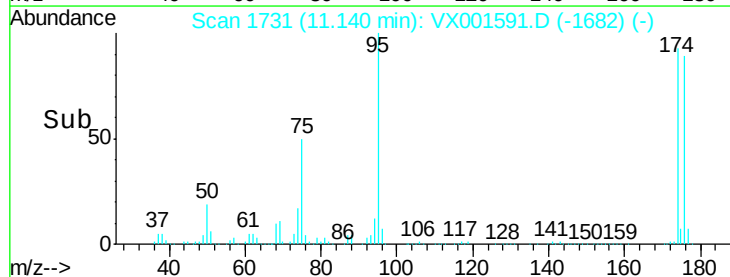
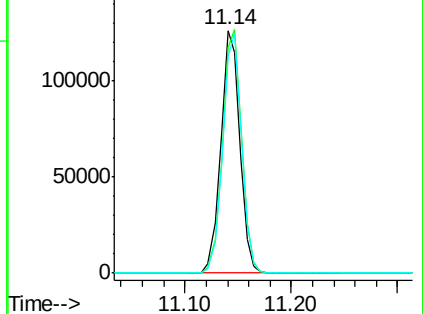
176 98.6 0.0 197.4

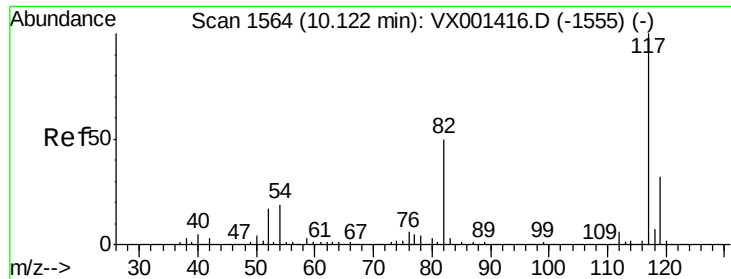


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

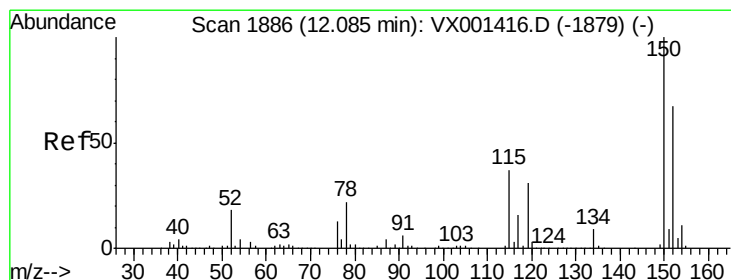
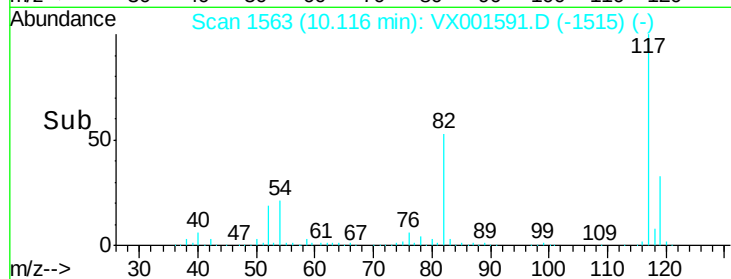
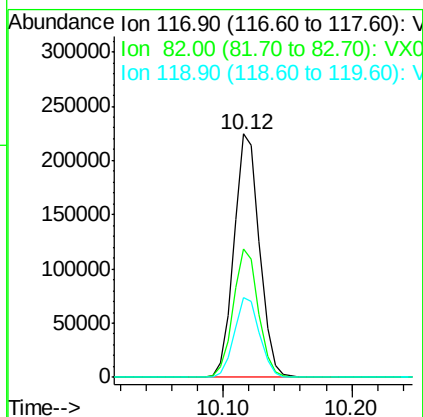
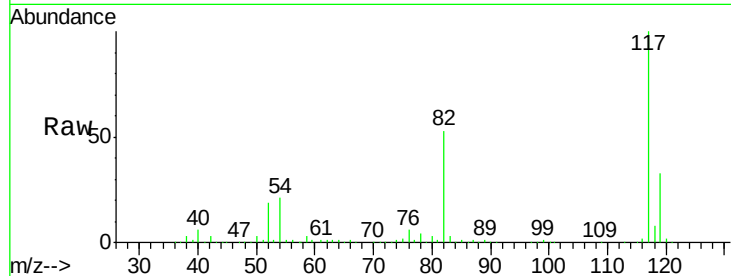




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

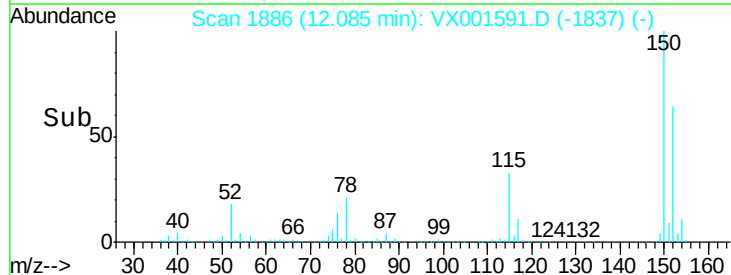
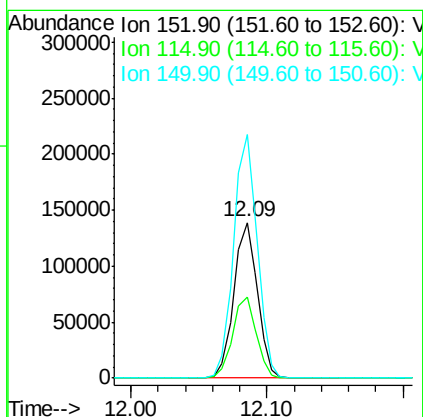
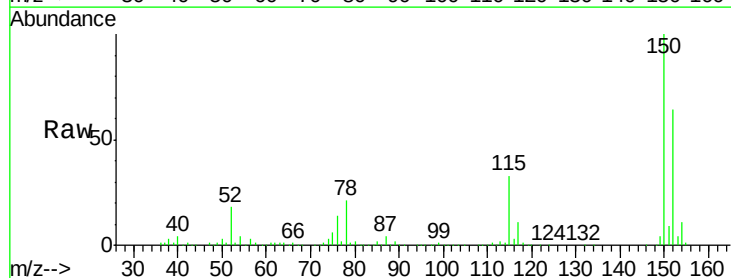
Instrument :
MSVOA_X
ClientSampleId :
RED-BLACK-CONCRETE-SLAB

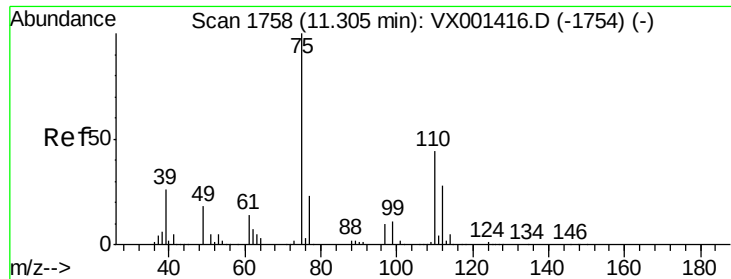
Tgt Ion:117 Resp: 309650
Ion Ratio Lower Upper
117 100
82 53.0 40.0 60.0
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001591.D
Acq: 10 May 2018 07:47

Tgt Ion:152 Resp: 167138
Ion Ratio Lower Upper
152 100
115 52.5 37.7 113.1
150 156.9 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 23.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

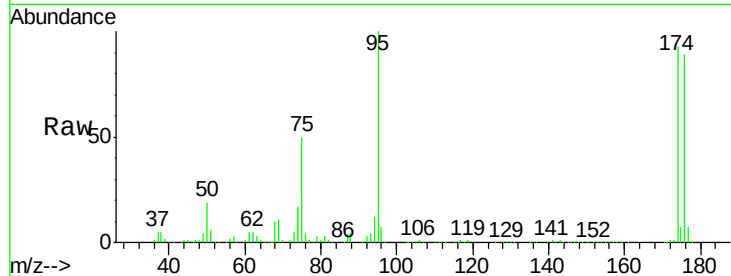
RED-BLACK-CONCRETE-SLAB

Tgt Ion: 75 Resp: 78356

Ion Ratio Lower Upper

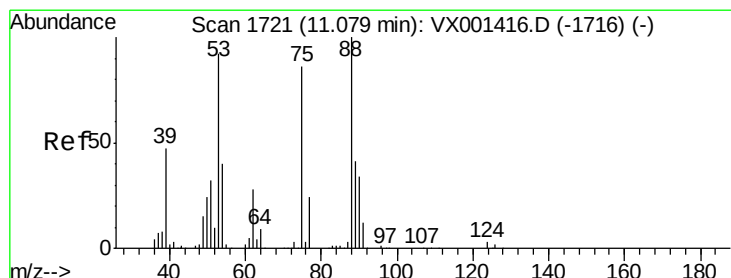
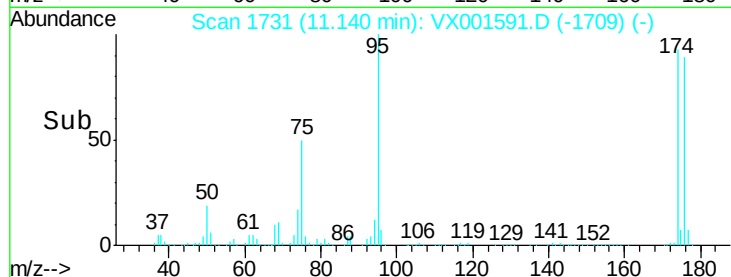
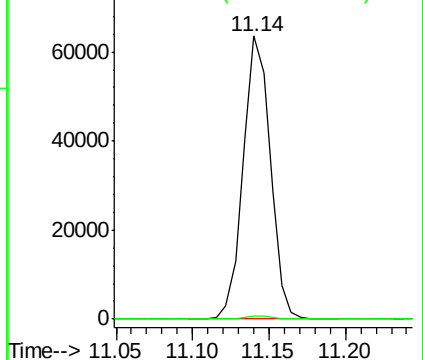
75 100

77 1.4 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

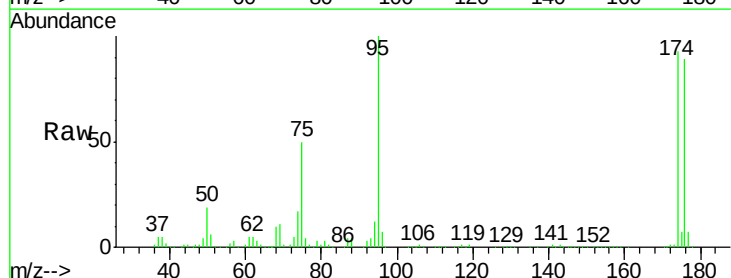
Tgt Ion: 75 Resp: 78356

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

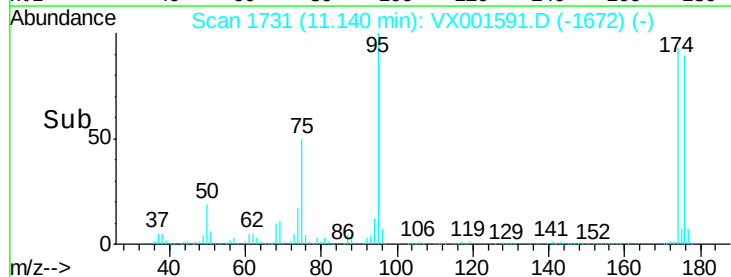
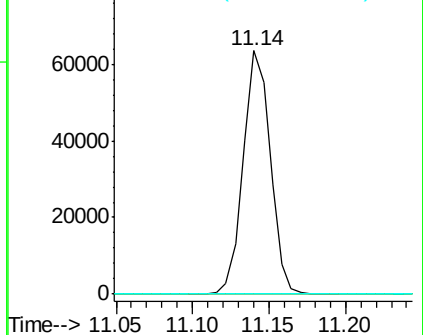
89 0.0 39.5 59.3#

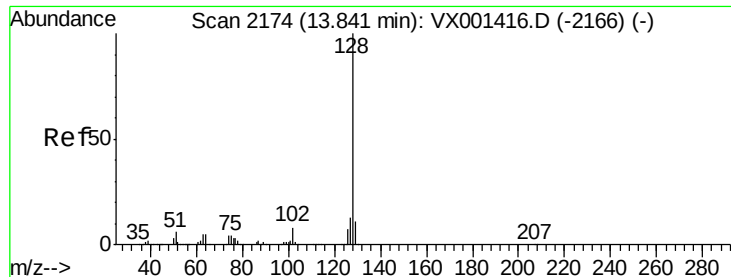


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.80 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001591.D

Acq: 10 May 2018 07:47

Instrument :

MSVOA_X

ClientSampleId :

RED-BLACK-CONCRETE-SLAB

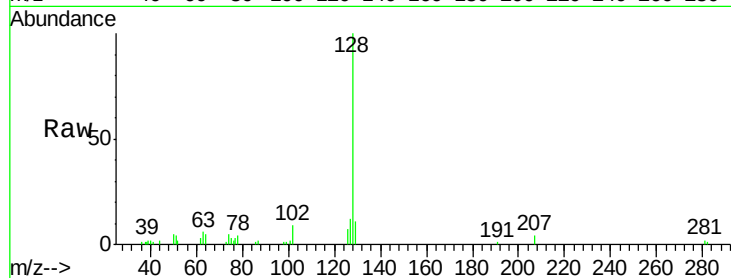
Tgt Ion:128 Resp: 9957

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 10.8 8.7 13.1



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

