

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000681.D
 Acq On : 05 Apr 2018 01:57
 Operator : JC/MD
 Sample : J2192-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25895- SOIL- CONCRETE

Quant Time: Apr 05 05:25:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	84347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	147400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	74371	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	63949	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	5.51	113	47682	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.72	98	186160	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
62) 4-Bromofluorobenzene	11.15	95	64391	38.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.04%	

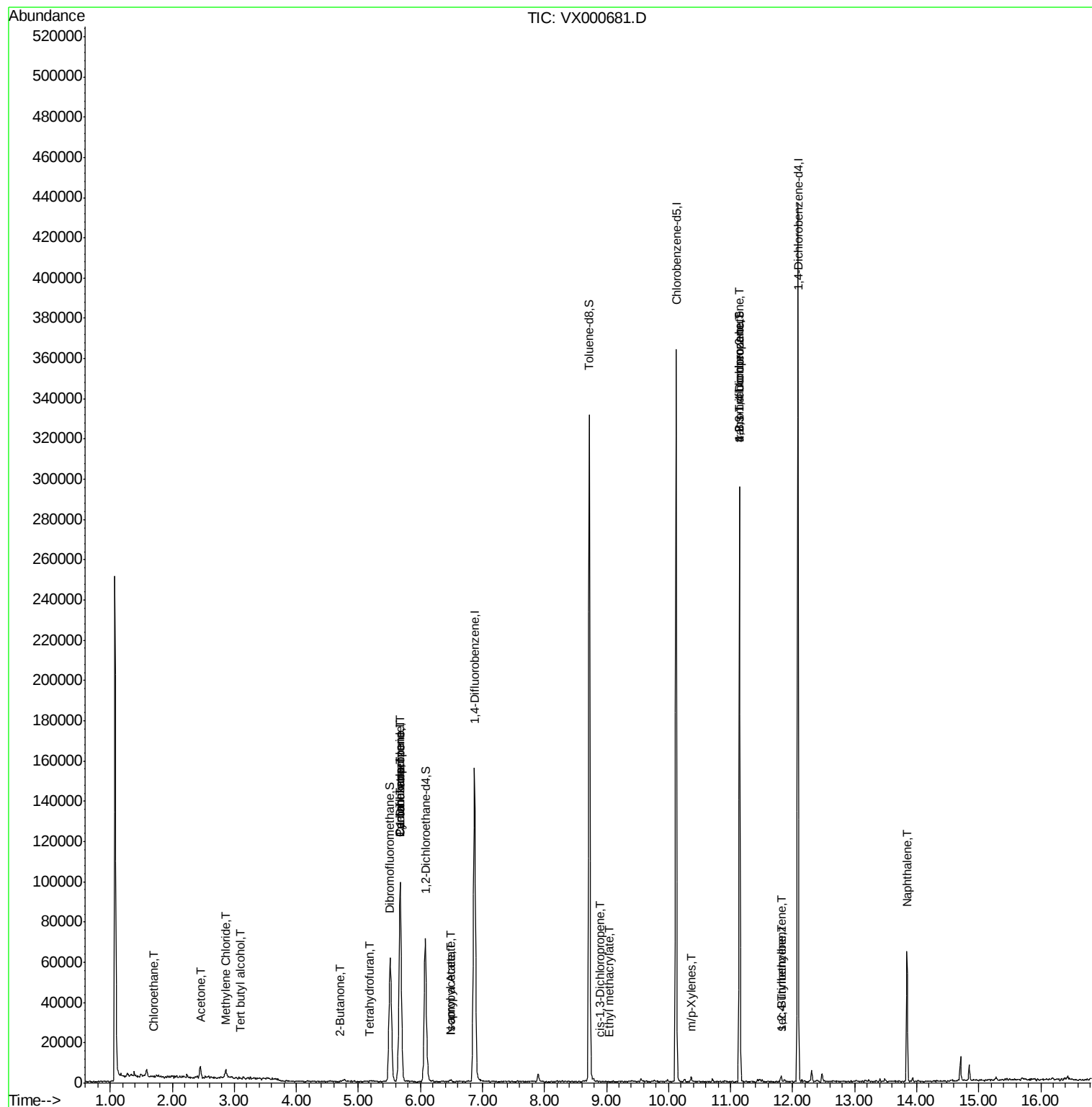
Target Compounds						Qvalue
6) Chloroethane	1.70	64	535	0.57	ug/l #	43
11) Tert butyl alcohol	3.09	59	120	0.22	ug/l #	72
16) Acetone	2.45	43	6485	5.50	ug/l	98
20) Methylene Chloride	2.86	84	1839	1.37	ug/l	88
25) 2-Butanone	4.71	43	481	0.40	ug/l #	80
29) Tetrahydrofuran	5.18	42	164	0.21	ug/l #	45
31) Cyclohexane	5.67	56	2949	2.08	ug/l #	68
36) 1,1-Dichloropropene	5.67	75	7709	5.64	ug/l #	46
38) Carbon Tetrachloride	5.67	117	9773	7.42	ug/l #	16
43) Isopropyl Acetate	6.48	43	981	0.33	ug/l #	92
54) cis-1,3-Dichloropropene	8.90	75	22	4.18	ug/l #	33
56) Ethyl methacrylate	9.06	69	28	4.34	ug/l #	64
68) m/p-Xylenes	10.36	106	435	0.22	ug/l #	46
74) N-amyl acetate	6.48	43	981	0.41	ug/l #	98
76) 1,2,3-Trichloropropane	11.15	75	39859	24.57	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	39859	88.11	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.82	105	1266	0.32	ug/l	99
85) sec-Butylbenzene	11.82	105	1266	0.27	ug/l #	58
95) Naphthalene	13.84	128	35231	6.30	ug/l	97

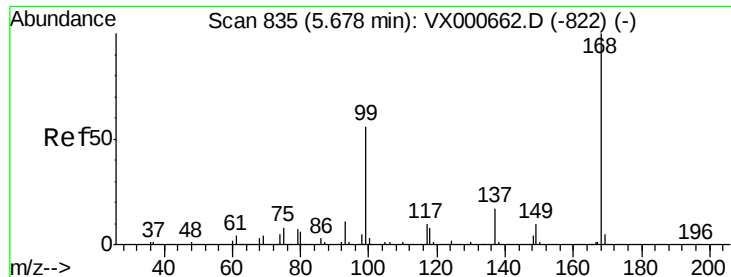
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

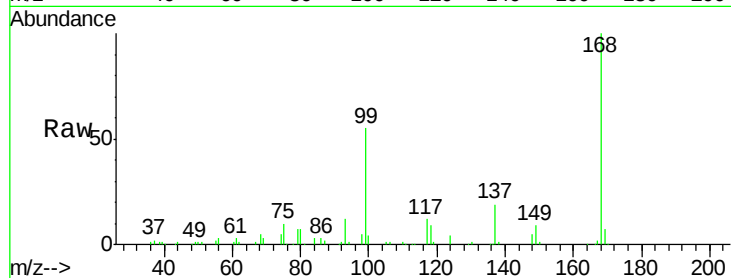
CHRT25895- SOIL- CONCRETE

Tgt Ion:168 Resp: 84347

Ion Ratio Lower Upper

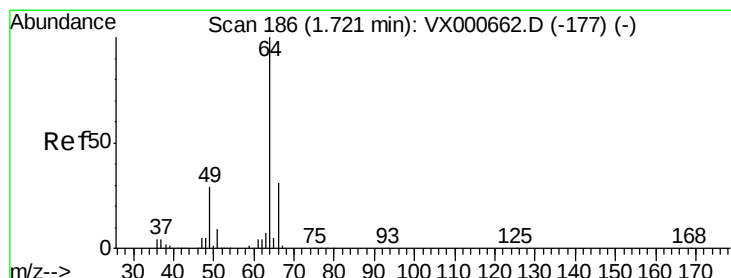
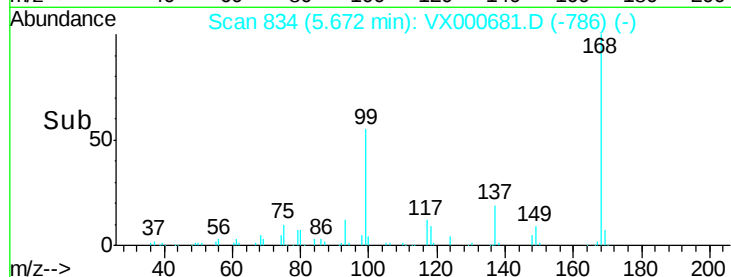
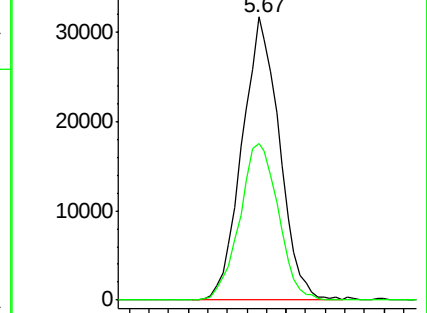
168 100

99 55.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.57 ug/l

RT: 1.70 min Scan# 182

Delta R.T. -0.02 min

Lab File: VX000681.D

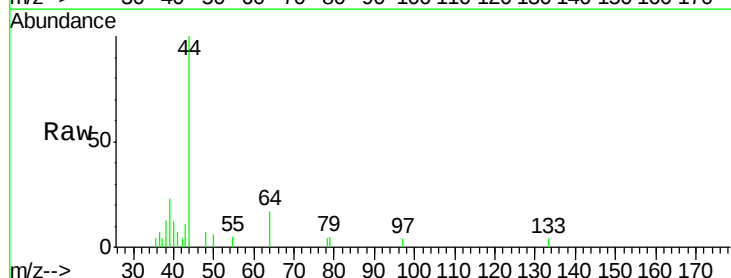
Acq: 05 Apr 2018 01:57

Tgt Ion: 64 Resp: 535

Ion Ratio Lower Upper

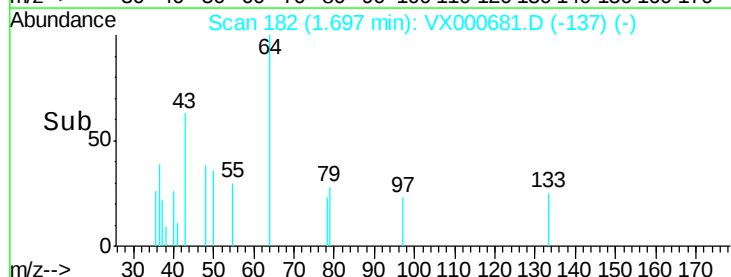
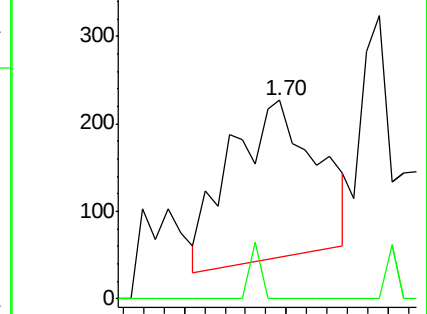
64 100

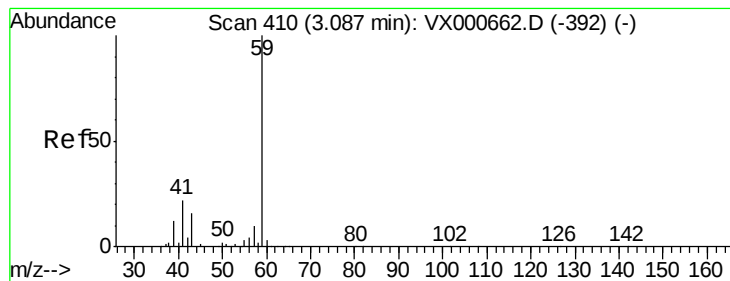
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



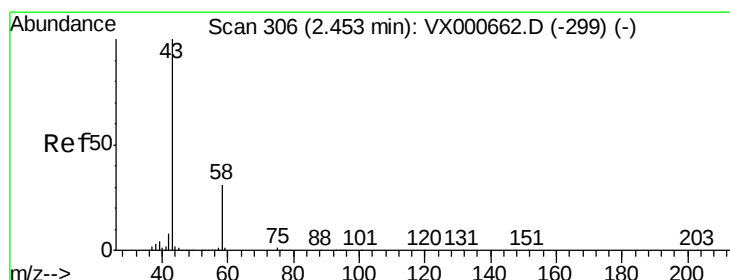
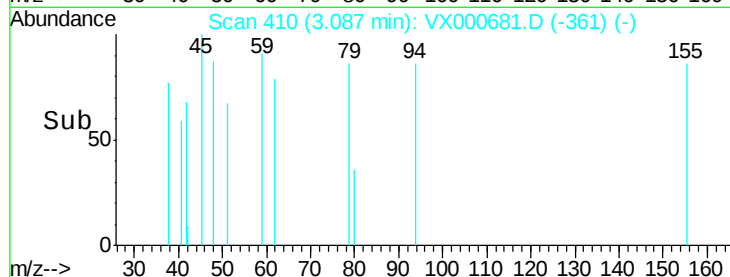
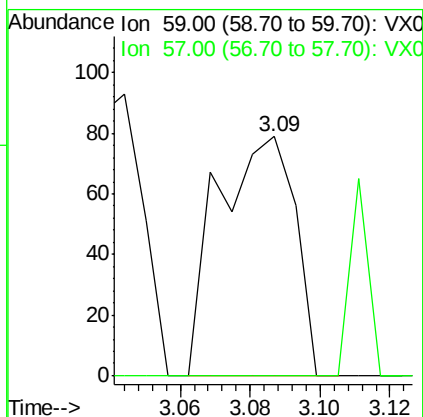
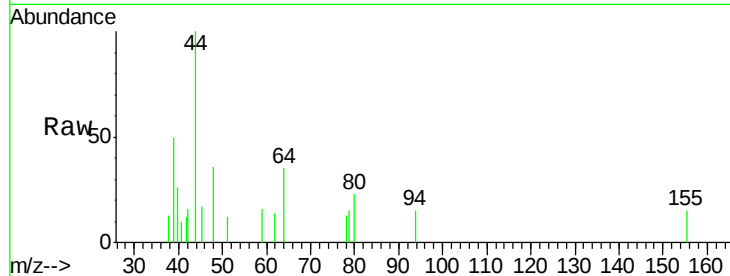


#11

Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25895- SOIL- CONCRETE

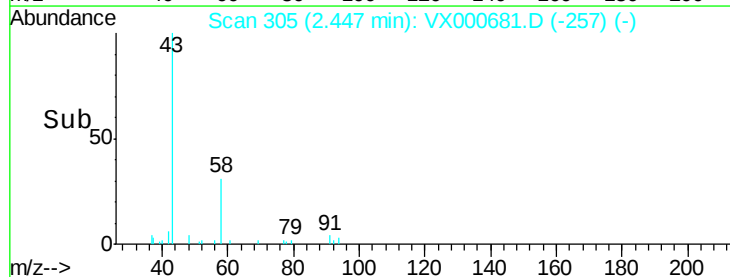
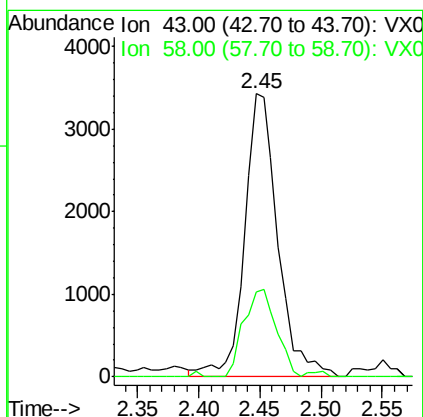
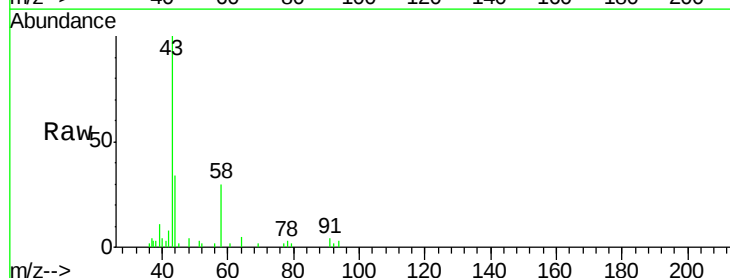
Tgt Ion: 59 Resp: 120
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

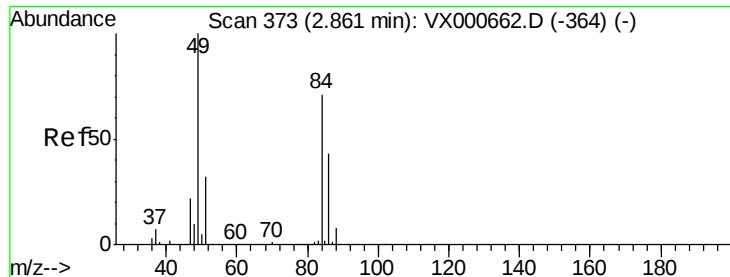


#16

Acetone
 Concen: 5.50 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

Tgt Ion: 43 Resp: 6485
 Ion Ratio Lower Upper
 43 100
 58 29.9 24.7 37.1





#20

Methylene Chloride

Concen: 1.37 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

CHRT25895- SOIL- CONCRETE

Tgt Ion: 84 Resp: 1839

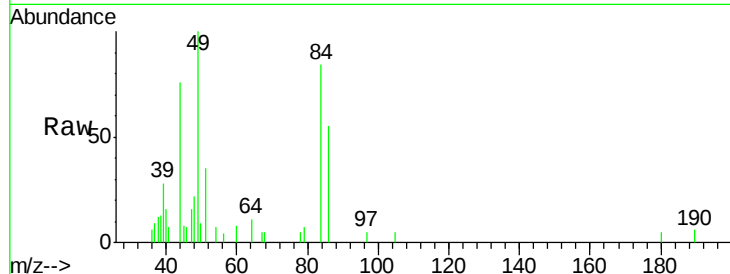
Ion Ratio Lower Upper

84 100

49 118.9 112.1 168.1

51 41.6 35.4 53.0

86 65.0 48.7 73.1

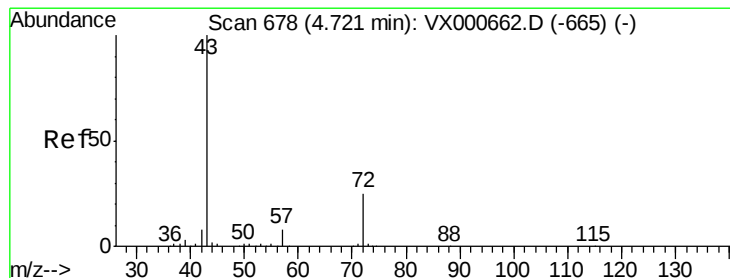
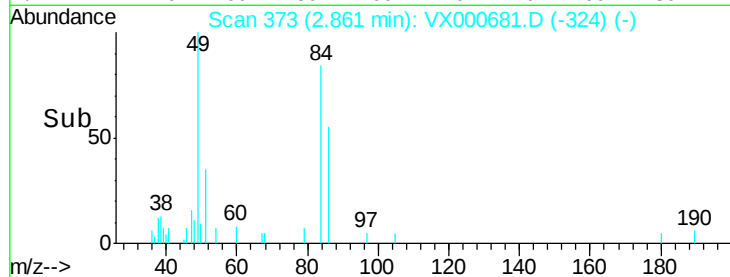
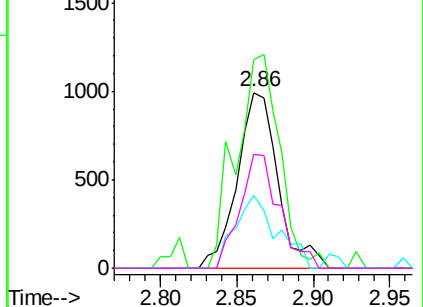


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.40 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000681.D

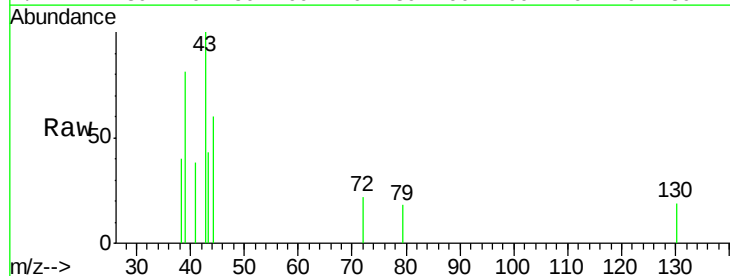
Acq: 05 Apr 2018 01:57

Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

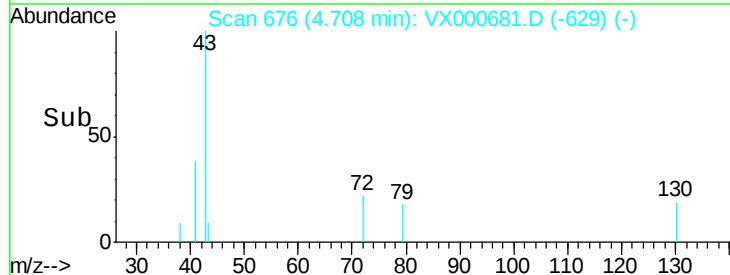
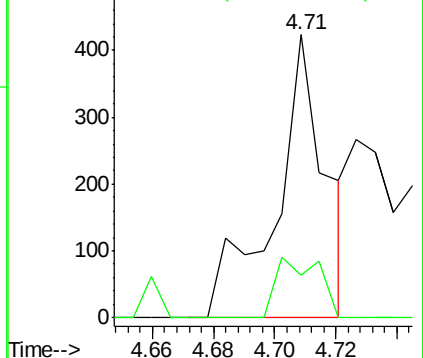
43 100

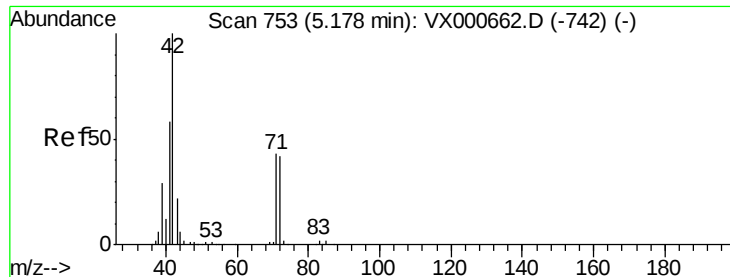
72 15.1 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

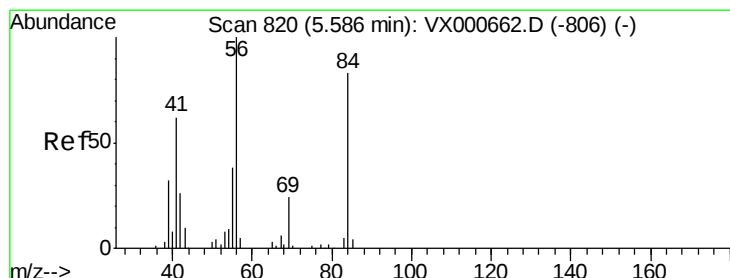
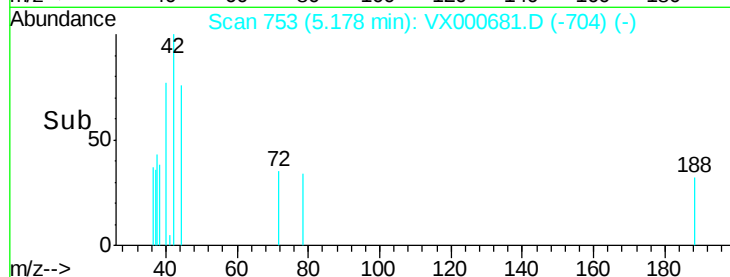
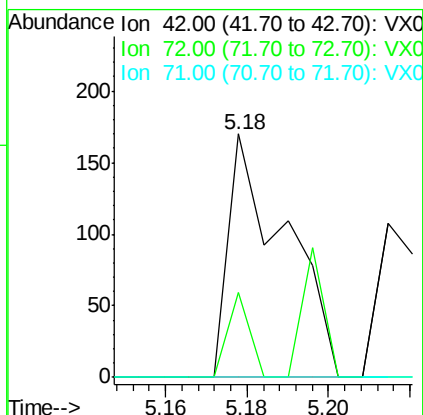
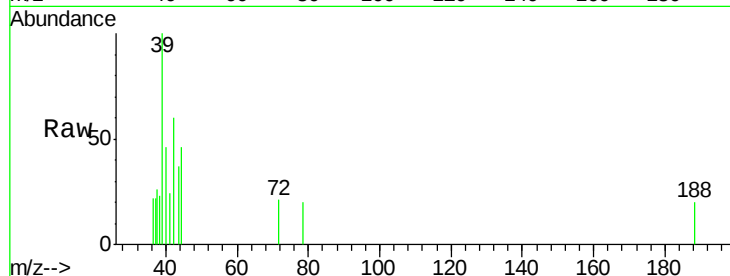




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

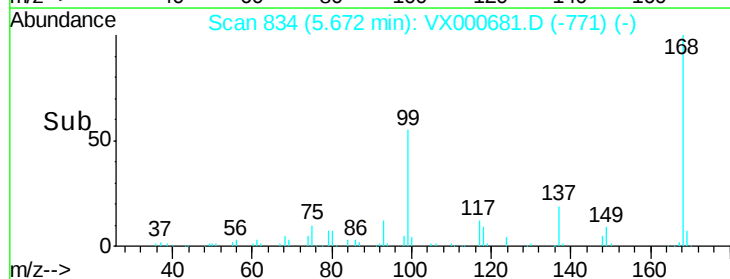
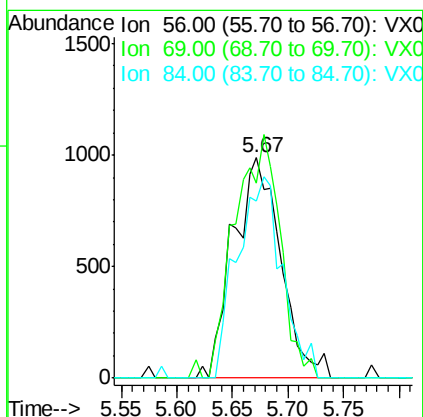
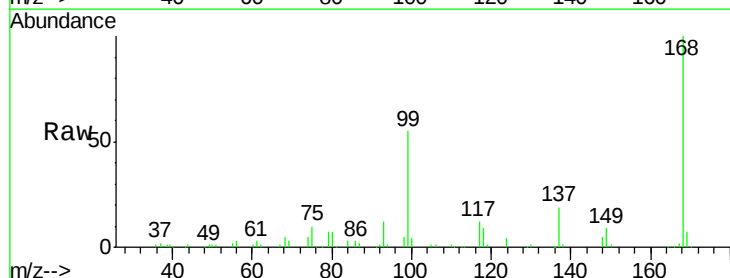
Instrument :
MSVOA_X
ClientSampleId :
CHRT25895- SOIL- CONCRETE

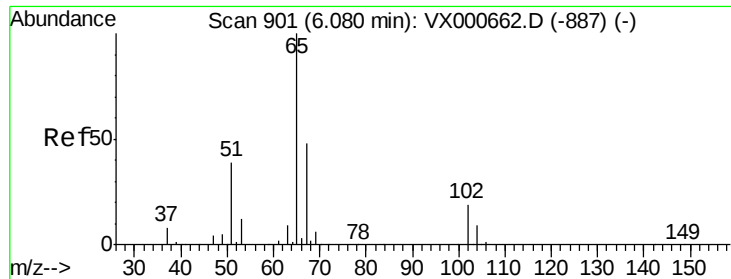
Tgt Ion: 42 Resp: 164
Ion Ratio Lower Upper
42 100
72 13.4 34.5 51.7#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 2.08 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

Tgt Ion: 56 Resp: 2949
Ion Ratio Lower Upper
56 100
69 88.3 19.4 29.0#
84 80.4 66.8 100.2





#33

1,2-Dichloroethane-d4

Concen: 44.63 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

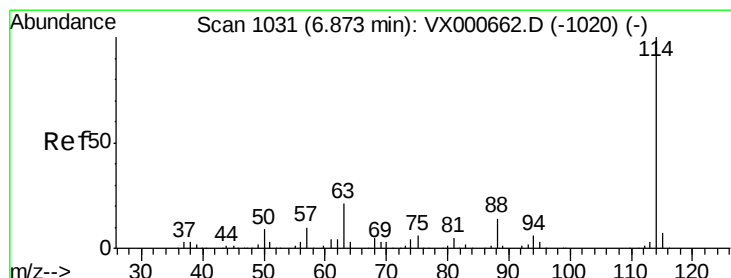
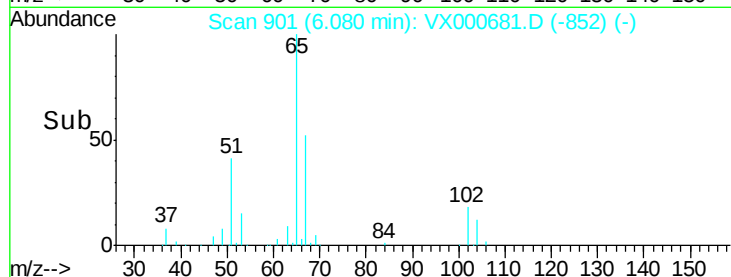
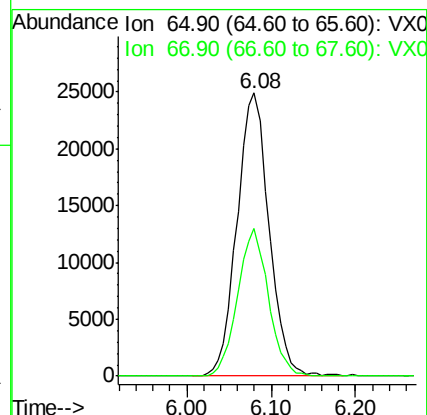
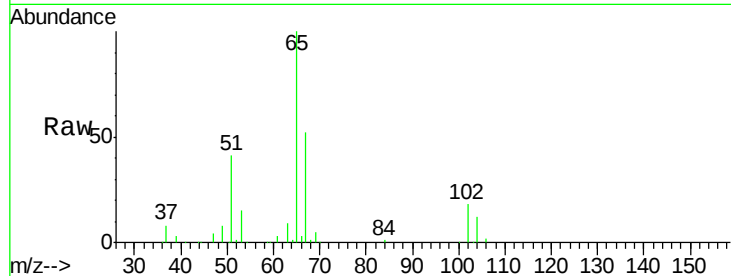
CHRT25895- SOIL- CONCRETE

Tgt Ion: 65 Resp: 63949

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

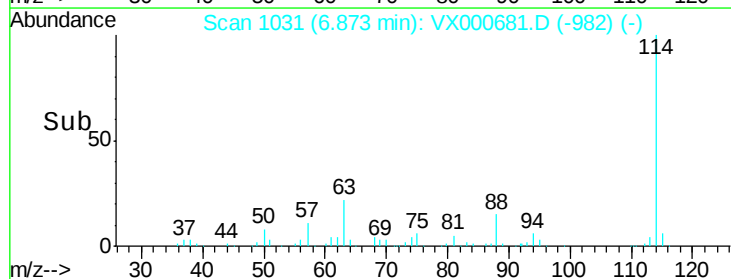
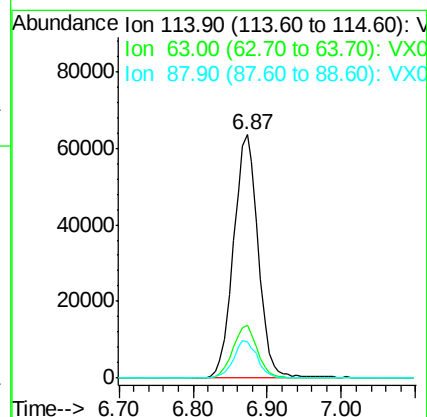
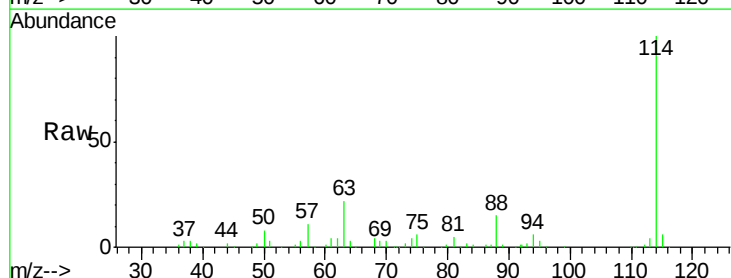
Tgt Ion: 114 Resp: 147400

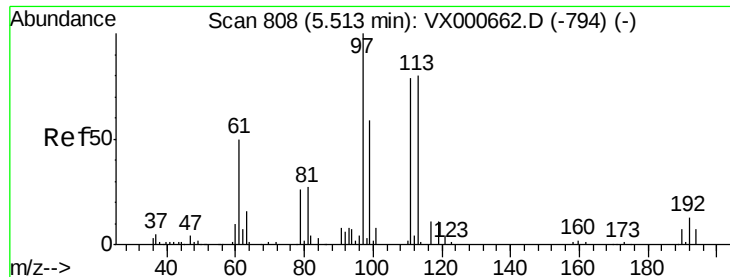
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

88 14.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 47.39 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

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ClientSampleId :

CHRT25895- SOIL- CONCRETE

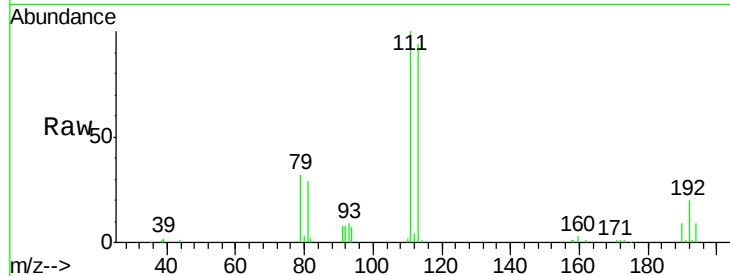
Tgt Ion:113 Resp: 47682

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

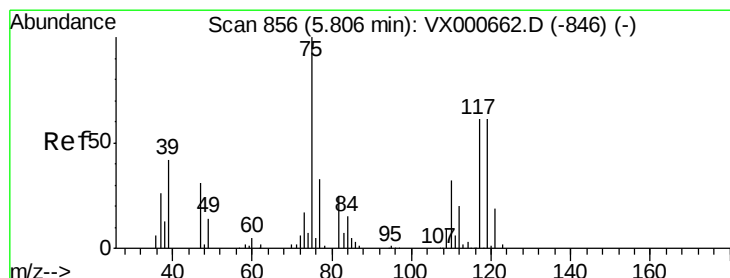
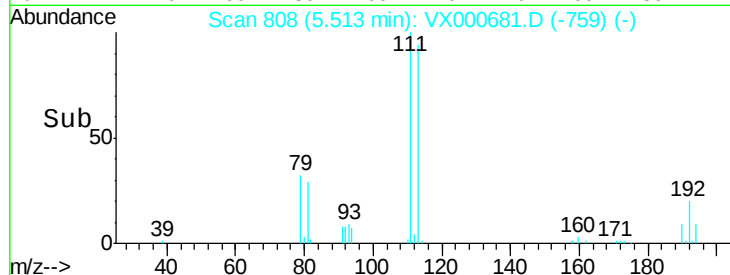
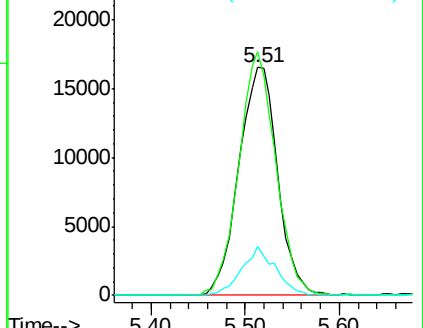
192 18.7 14.3 21.5



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: 5.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

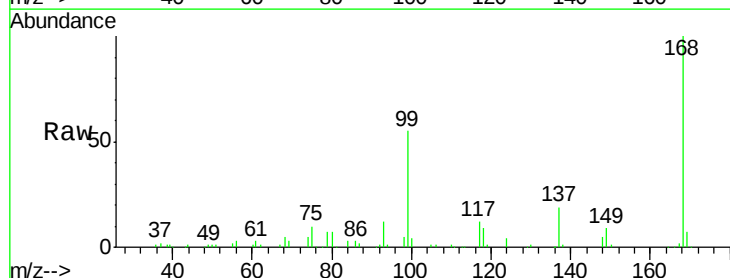
Tgt Ion: 75 Resp: 7709

Ion Ratio Lower Upper

75 100

110 3.5 16.3 48.9#

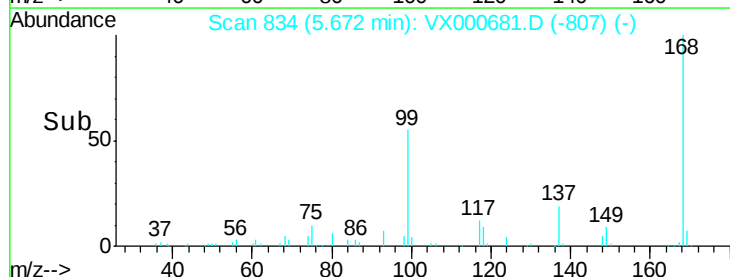
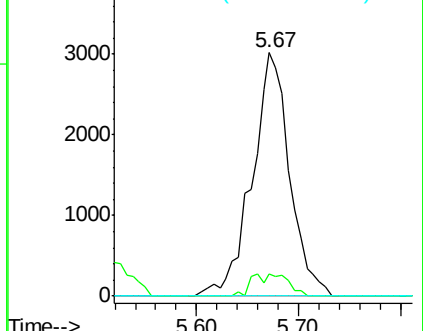
77 0.0 24.3 36.5#

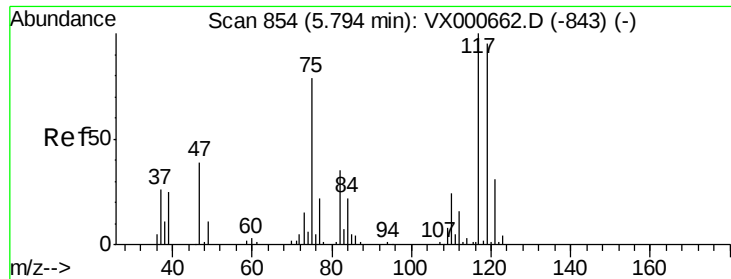


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.42 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

CHRT25895- SOIL- CONCRETE

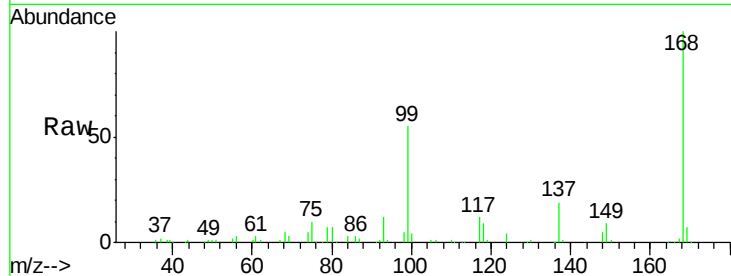
Tgt Ion:117 Resp: 9773

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

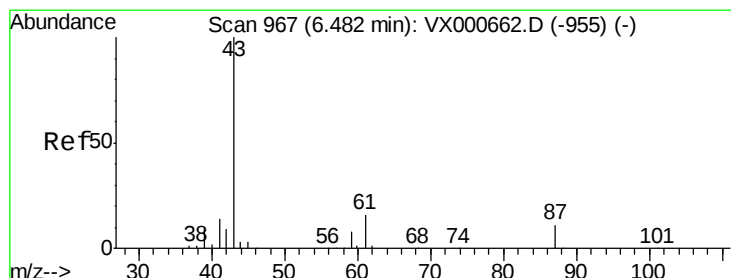
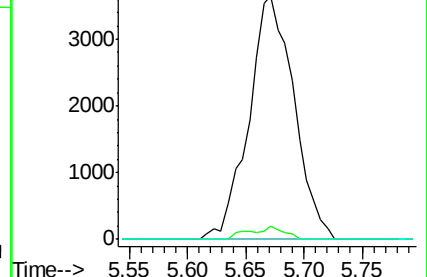
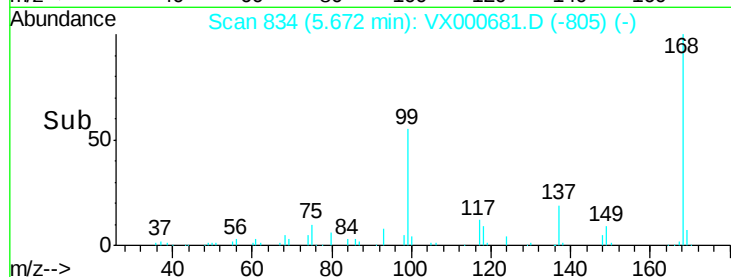
121 0.0 24.8 37.2#



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: 0.33 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

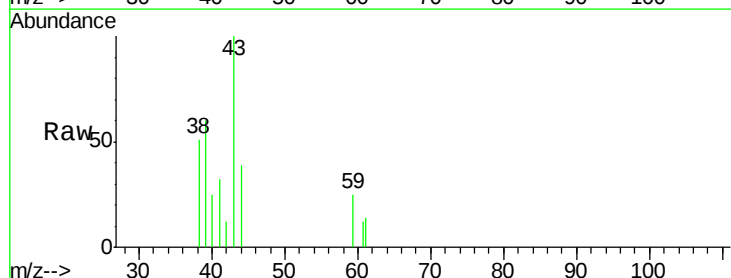
Tgt Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

61 17.8 13.4 20.2

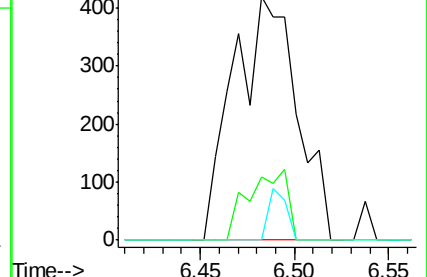
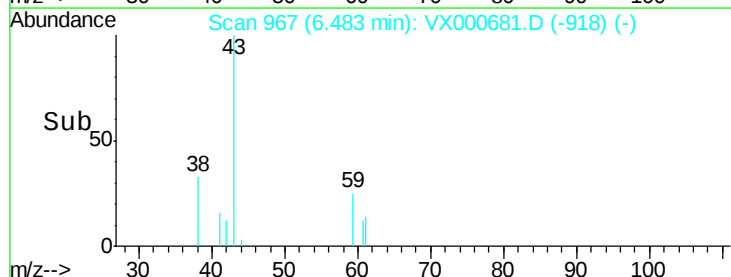
87 5.8 9.4 14.0#

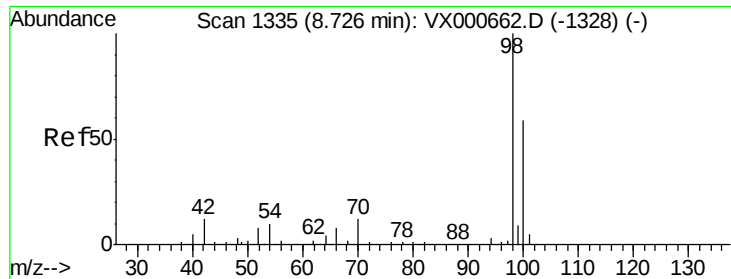


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 43.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

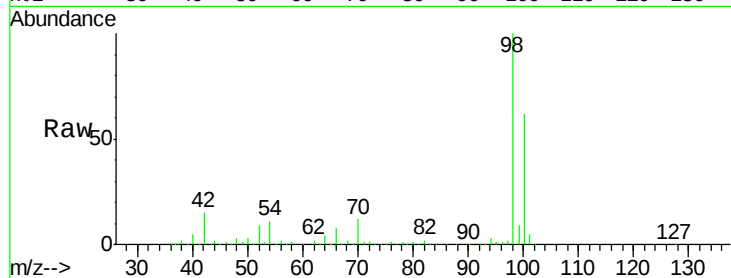
CHRT25895- SOIL- CONCRETE

Tgt Ion: 98 Resp: 186160

Ion Ratio Lower Upper

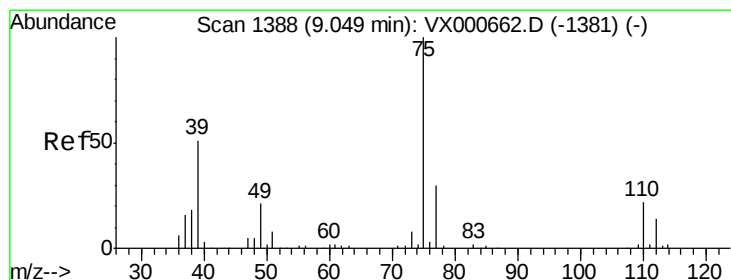
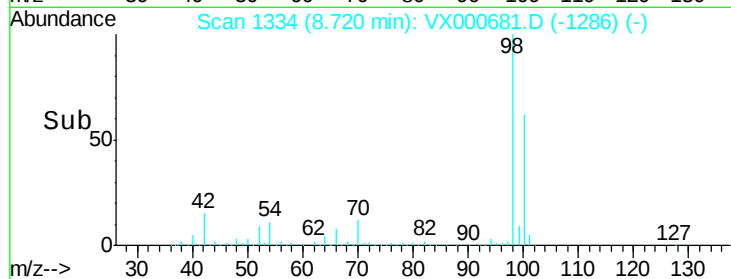
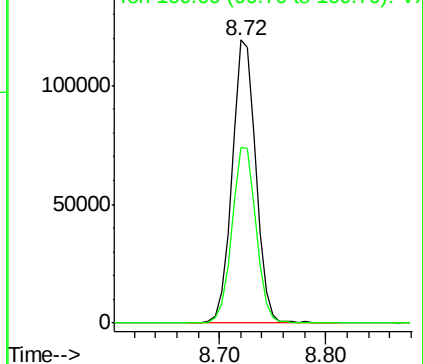
98 100

100 63.2 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 4.18 ug/l

RT: 8.90 min Scan# 1363

Delta R.T. -0.15 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

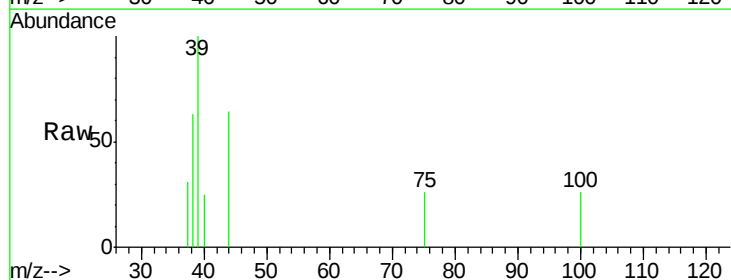
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#

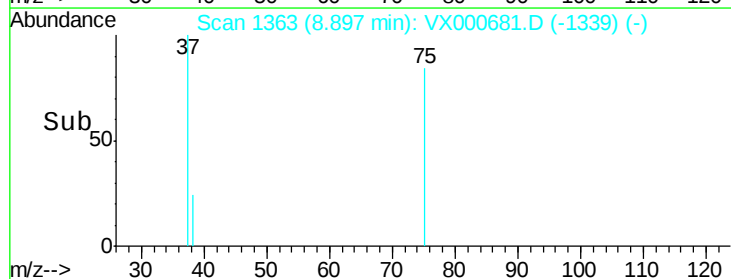
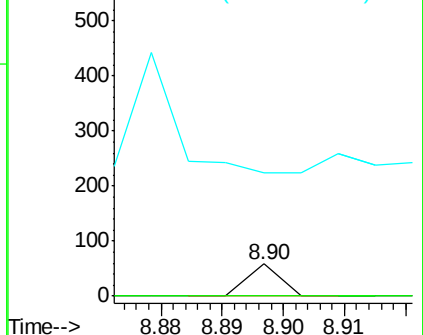
39 0.0 40.7 61.1#

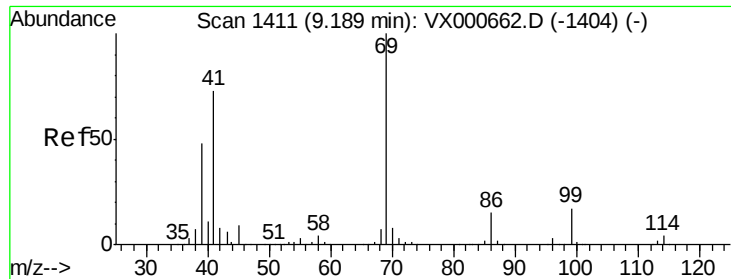


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

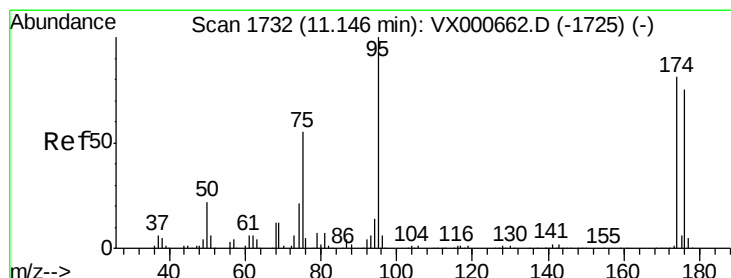
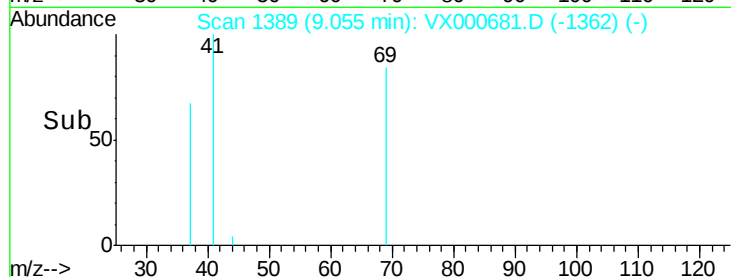
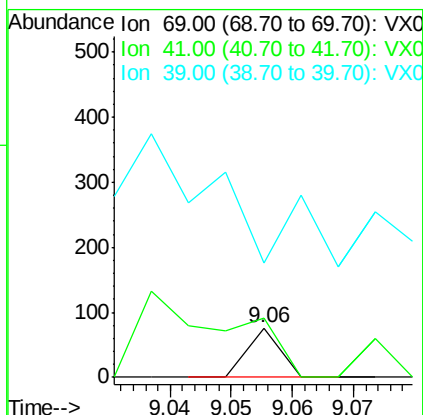
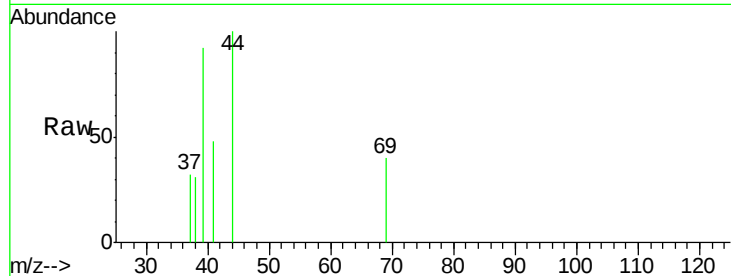




#56
Ethyl methacrylate
Concen: 4.34 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. -0.13 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

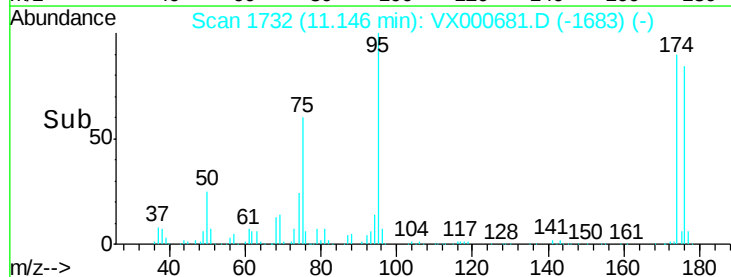
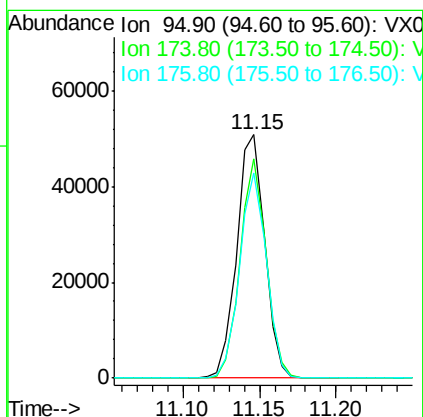
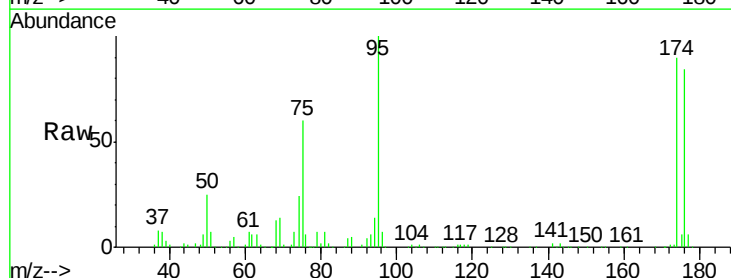
Instrument :
MSVOA_X
ClientSampleId :
CHRT25895- SOIL- CONCRETE

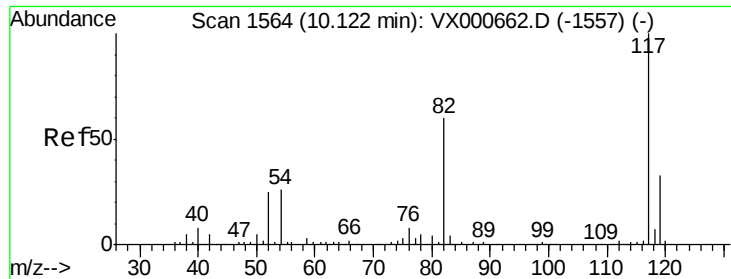
Tgt Ion: 69 Resp: 28
Ion Ratio Lower Upper
69 100
41 78.6 56.5 84.7
39 0.0 39.8 59.8#



#62
4-Bromofluorobenzene
Concen: 38.02 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

Tgt Ion: 95 Resp: 64391
Ion Ratio Lower Upper
95 100
174 84.2 0.0 156.8
176 80.8 0.0 150.6

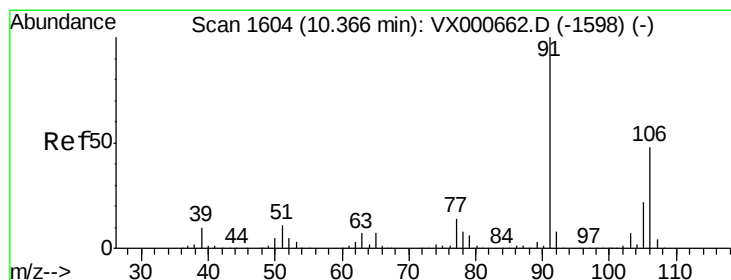
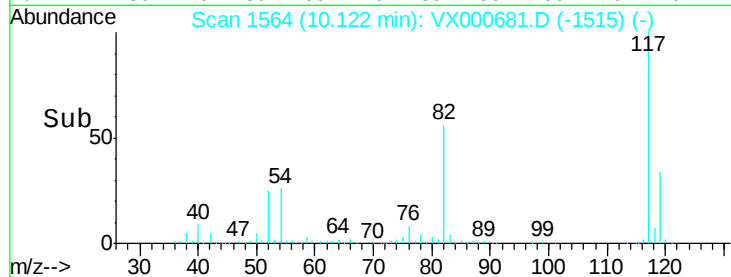
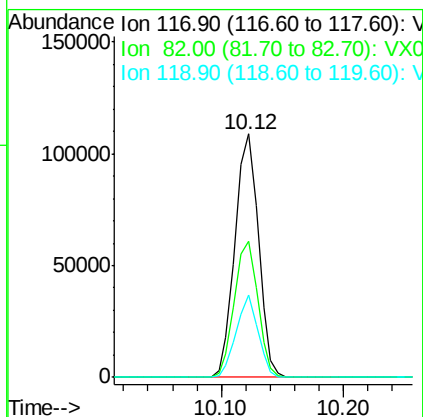
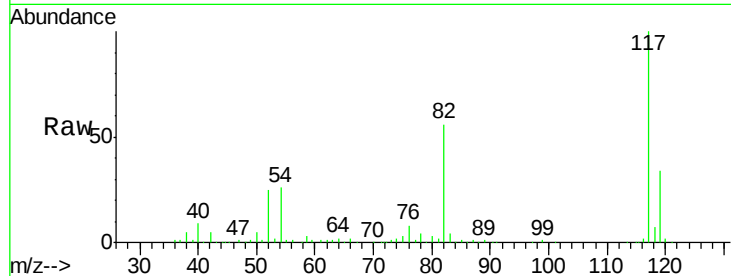




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

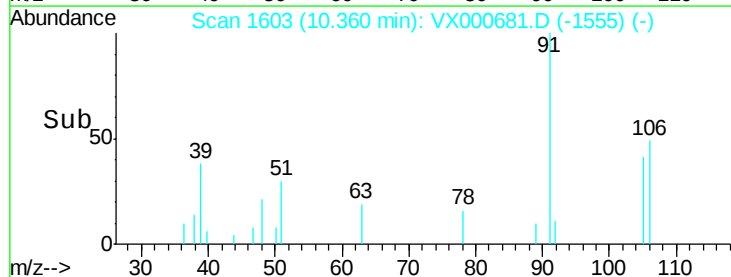
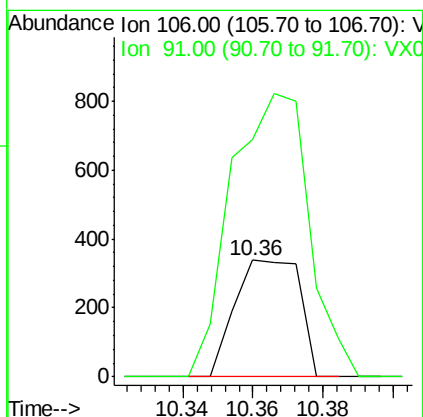
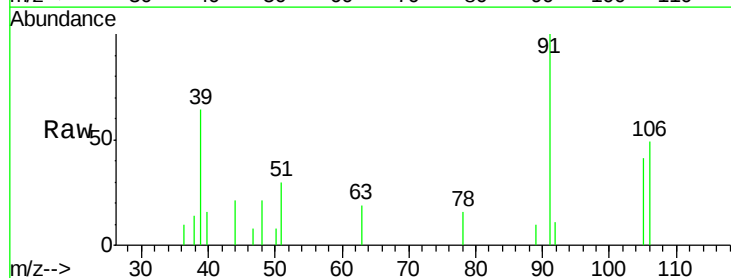
Instrument :
MSVOA_X
ClientSampleId :
CHRT25895- SOIL- CONCRETE

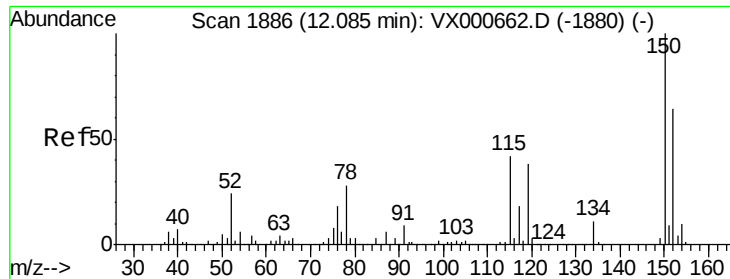
Tgt Ion:117 Resp: 144569
Ion Ratio Lower Upper
117 100
82 55.8 48.3 72.5
119 33.6 26.0 39.0



#68
m/p-Xylenes
Concen: 0.22 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000681.D
Acq: 05 Apr 2018 01:57

Tgt Ion:106 Resp: 435
Ion Ratio Lower Upper
106 100
91 292.2 167.0 250.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

CHRT25895- SOIL- CONCRETE

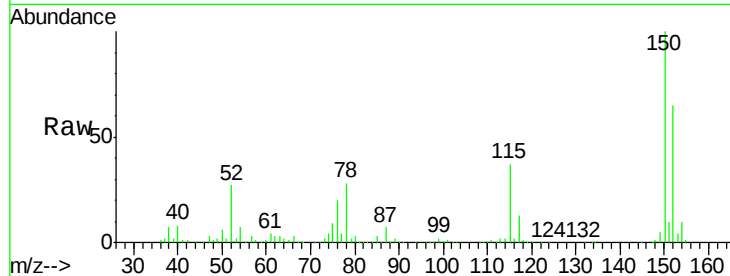
Tgt Ion:152 Resp: 74371

Ion Ratio Lower Upper

152 100

115 59.5 41.9 125.8

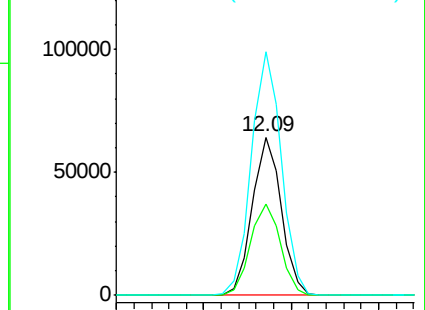
150 158.1 0.0 348.0



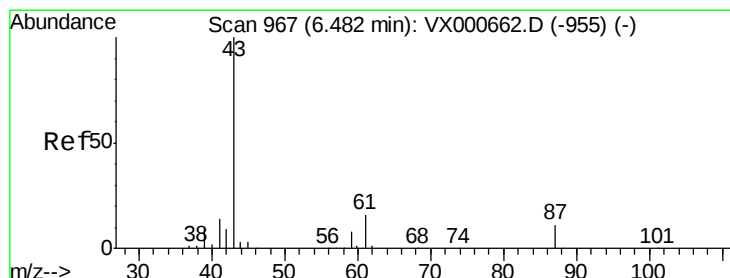
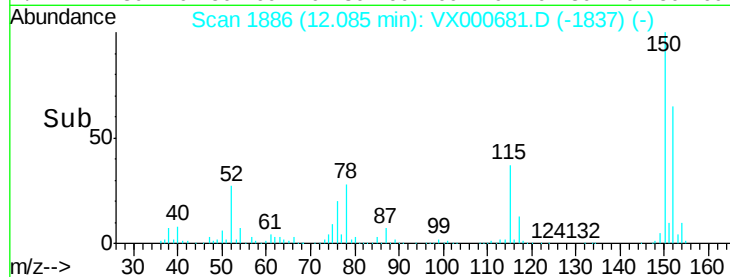
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 12.00 12.05 12.10 12.15



#74

N-ethyl acetate

Concen: 0.41 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000681.D

Acq: 05 Apr 2018 01:57

Tgt Ion: 43 Resp: 981

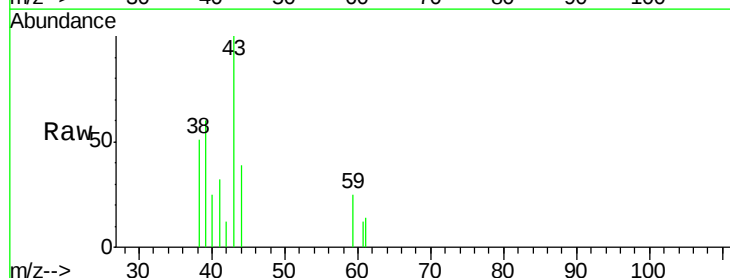
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 17.8 13.4 20.2

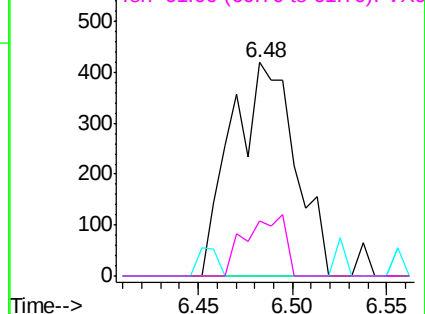


Abundance Ion 43.00 (42.70 to 43.70): VX0

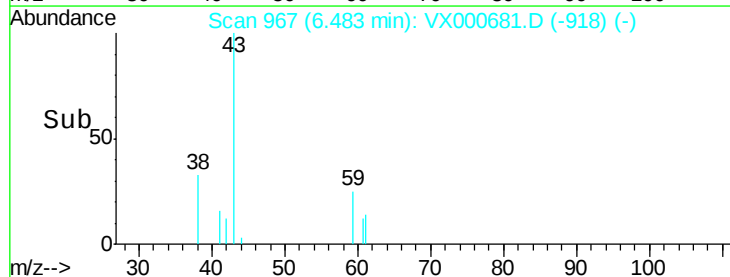
Ion 70.00 (69.70 to 70.70): VX0

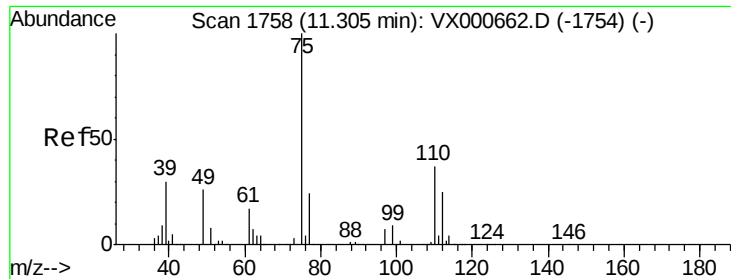
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 6.45 6.50 6.55

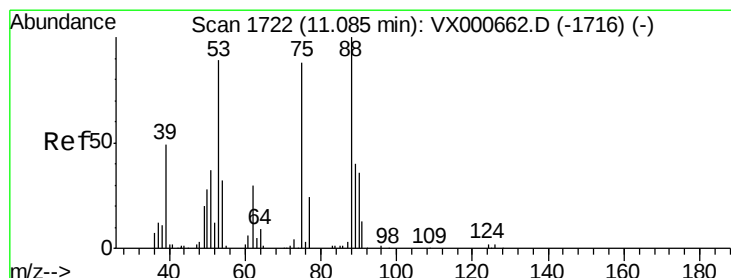
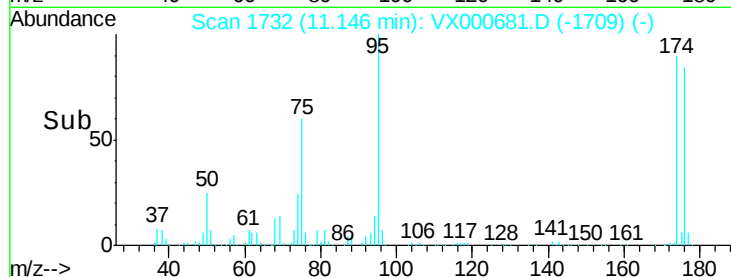
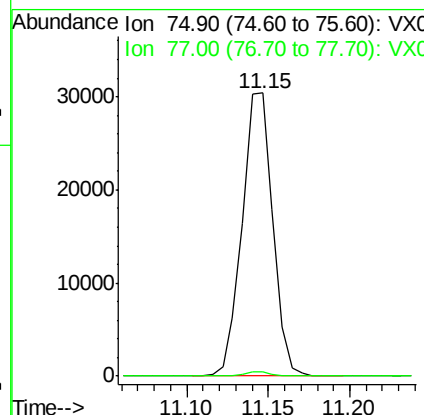
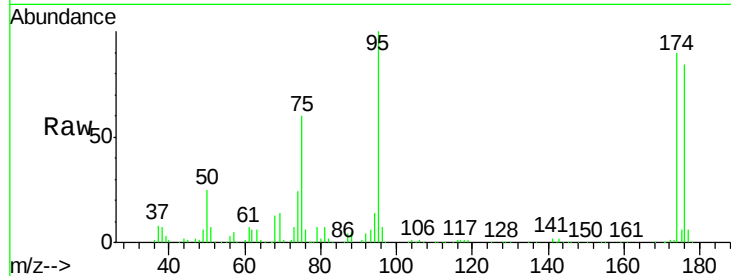




#76
 1,2,3-Trichloropropane
 Concen: 24.57 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

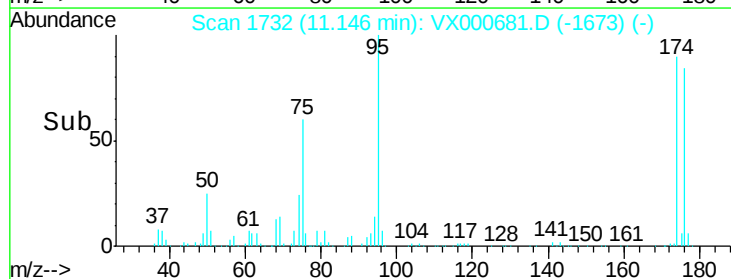
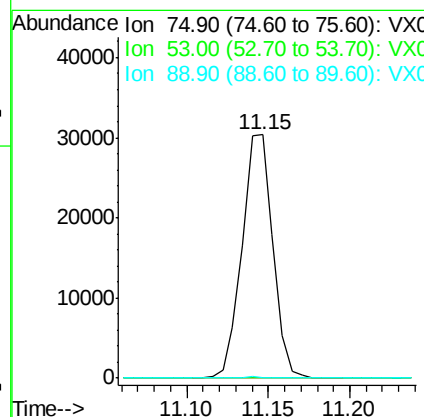
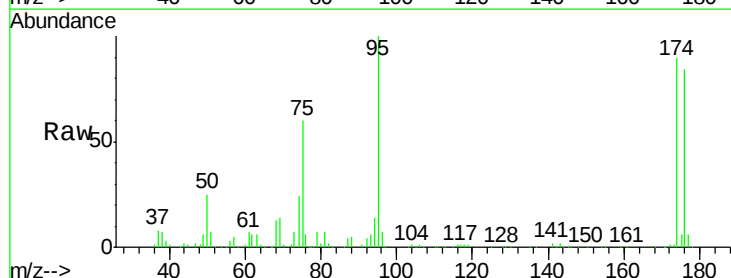
Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25895- SOIL- CONCRETE

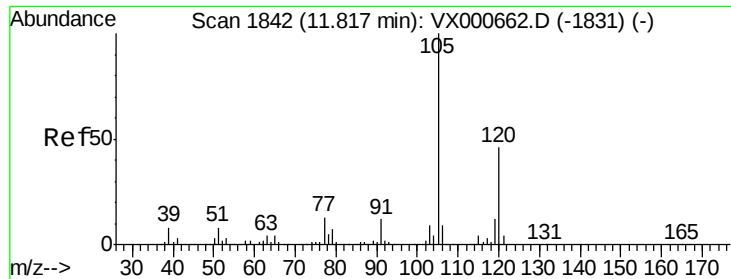
Tgt Ion: 75 Resp: 39859
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.11 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

Tgt Ion: 75 Resp: 39859
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.2 36.3 54.5#

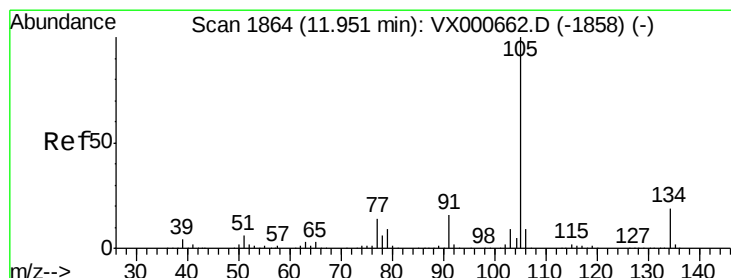
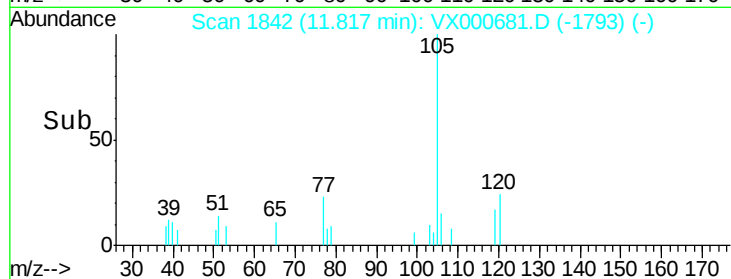
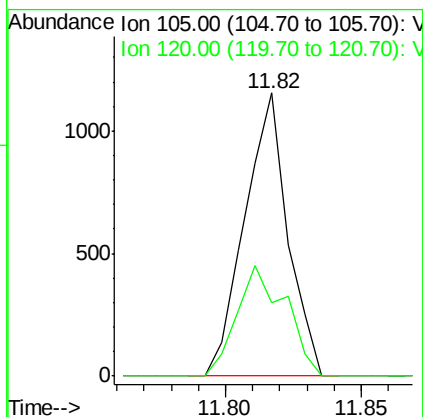
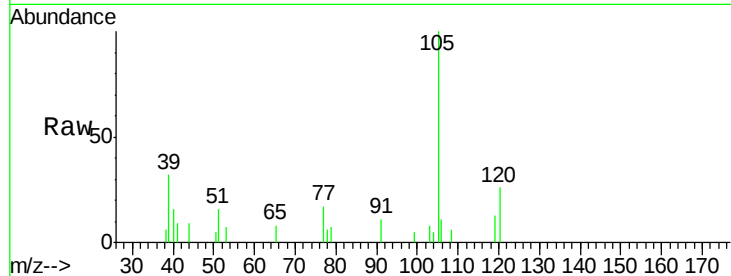




#84
 1,2,4-Trimethylbenzene
 Concen: 0.32 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

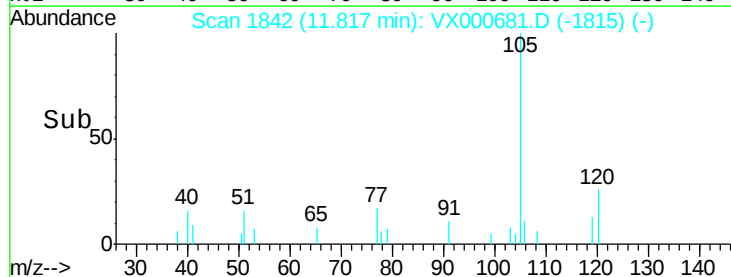
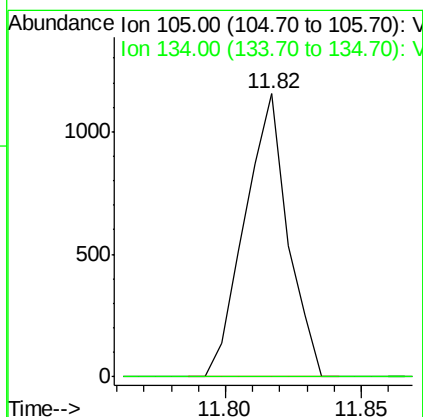
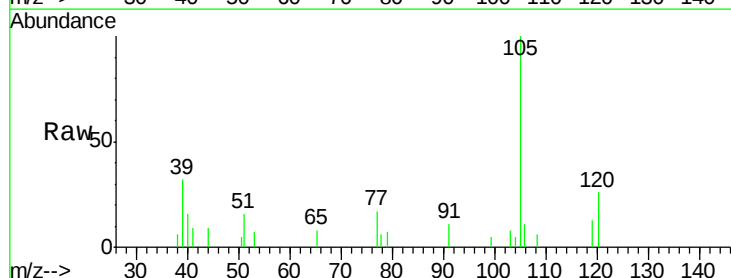
Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT25895- SOIL- CONCRETE

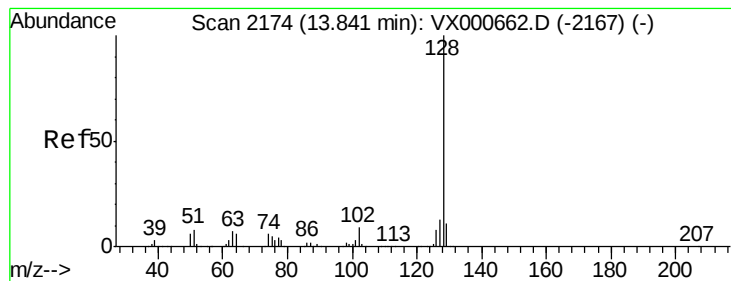
Tgt Ion:105 Resp: 1266
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.6 65.0



#85
 sec-Butylbenzene
 Concen: 0.27 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.13 min
 Lab File: VX000681.D
 Acq: 05 Apr 2018 01:57

Tgt Ion:105 Resp: 1266
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#





#95

Naphthalene

Concen: 6.30 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000681.D

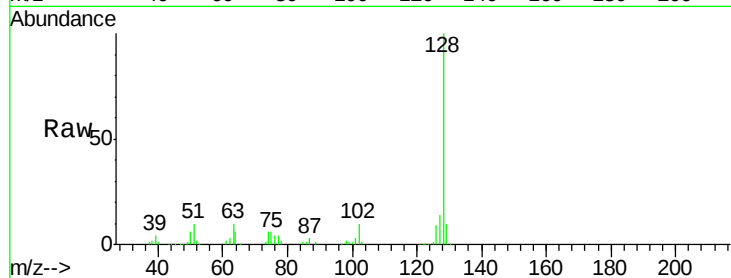
Acq: 05 Apr 2018 01:57

Instrument :

MSVOA_X

ClientSampleId :

CHRT25895- SOIL- CONCRETE



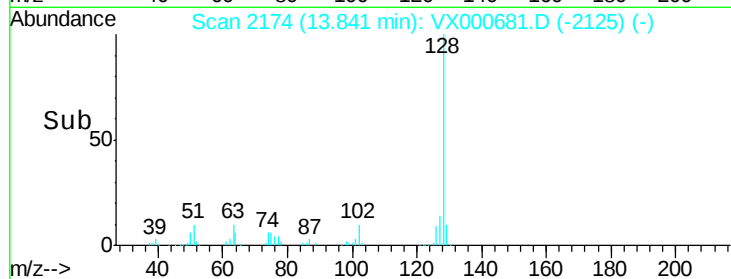
Tgt Ion:128 Resp: 35231

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

129 9.5 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

