

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041018\
 Data File : VX000760.D
 Acq On : 10 Apr 2018 20:45
 Operator : JC/MD
 Sample : J2283-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 11 08:18:15 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	307043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	426835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231142	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	154976	40.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.06%	
35) Dibromofluoromethane	5.51	113	131173	39.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.78%	
50) Toluene-d8	8.73	98	488301	39.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.76%	
62) 4-Bromofluorobenzene	11.14	95	197975	39.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	595	0.20	ug/l	# 82
5) Bromomethane	1.66	94	597	Below Cal		# 78
6) Chloroethane	1.61	64	436	0.22	ug/l	93
10) Methyl Iodide	2.52	142	556	8.43	ug/l	# 86
13) Acrolein	2.31	56	280	0.84	ug/l	# 62
15) Acrylonitrile	3.15	53	458	0.31	ug/l	# 32
16) Acetone	2.45	43	8331	6.24	ug/l	97
17) Carbon Disulfide	2.57	76	10546	1.24	ug/l	100
18) Methyl Acetate	2.79	43	923	0.27	ug/l	91
20) Methylene Chloride	2.86	84	6220	2.00	ug/l	97
21) trans-1,2-Dichloroethene	3.18	96	728	0.23	ug/l	# 61
25) 2-Butanone	4.72	43	4501	2.04	ug/l	97
29) Tetrahydrofuran	5.19	42	3669	2.62	ug/l	98
30) Chloroform	5.22	83	1305	0.23	ug/l	98
36) 1,1-Dichloropropene	5.67	75	18591	3.95	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	25517	4.85	ug/l	# 14
43) Isopropyl Acetate	6.48	43	2578	0.33	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1157	0.25	ug/l	# 72
52) Toluene	8.79	92	8016	0.93	ug/l	98
64) Tetrachloroethene	9.35	164	807	0.21	ug/l	90
67) Ethyl Benzene	10.26	91	15087	0.91	ug/l	99
68) m/p-Xylenes	10.37	106	12126	1.86	ug/l	97
69) o-Xylene	10.71	106	5608	0.89	ug/l	98
70) Styrene	10.72	104	9458	0.89	ug/l	98
74) N-amyl acetate	6.48	43	2578	0.39	ug/l	# 99
76) 1,2,3-Trichloropropane	11.14	75	95904	24.06	ug/l	# 36
78) n-propylbenzene	11.37	91	4292	0.26	ug/l	97
79) 2-Chlorotoluene	11.52	91	2536	0.26	ug/l	74
80) 1,3,5-Trimethylbenzene	11.51	105	7732	0.61	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	95904	66.18	ug/l	# 11
82) 4-Chlorotoluene	11.52	91	2536	0.21	ug/l	80
84) 1,2,4-Trimethylbenzene	11.81	105	27004	2.07	ug/l	99
89) n-Butylbenzene	12.39	91	4477	0.36	ug/l	# 78
90) Hexachloroethane	12.62	117	761	0.32	ug/l	# 12

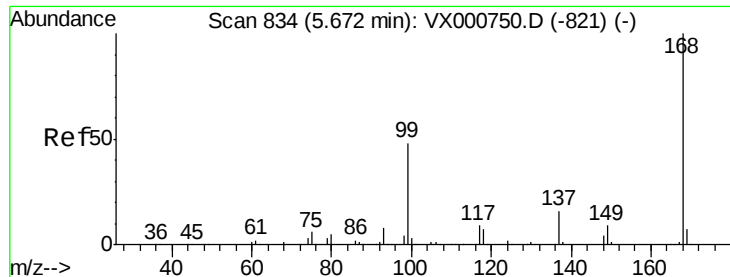
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041018\
Data File : VX000760.D
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Operator : JC/MD
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Quant Time: Apr 11 08:18:15 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7910	1.21	ug/l	94
94) Hexachlorobutadiene	13.79	225	859	0.27	ug/l	96
95) Naphthalene	13.84	128	519483	30.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	2340	0.37	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

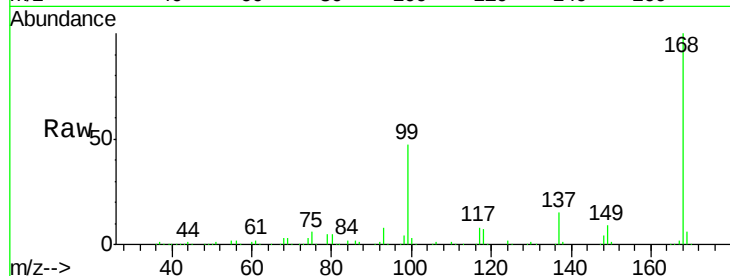
SOIL-CUTTINGS

Tgt Ion:168 Resp: 307043

Ion Ratio Lower Upper

168 100

99 47.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

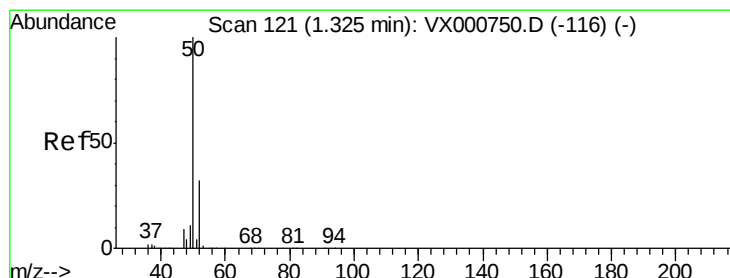
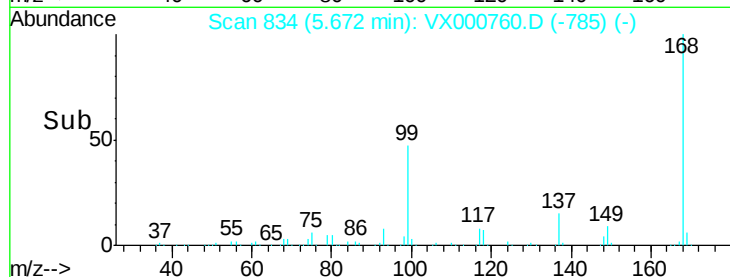
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000760.D

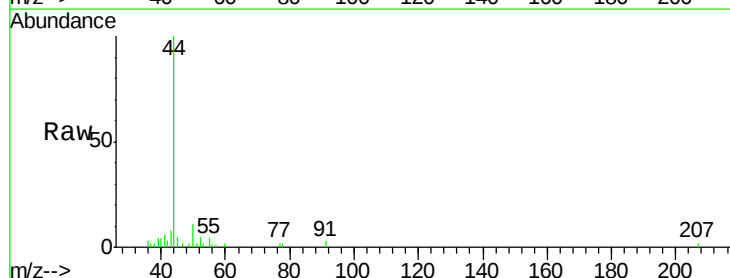
Acq: 10 Apr 2018 20:45

Tgt Ion: 50 Resp: 595

Ion Ratio Lower Upper

50 100

52 42.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

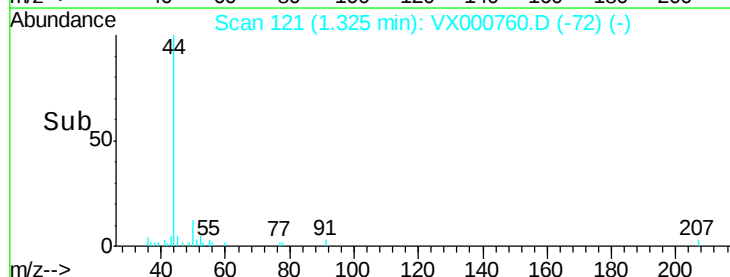
300

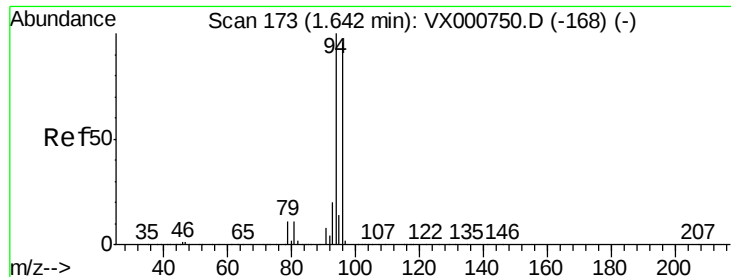
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

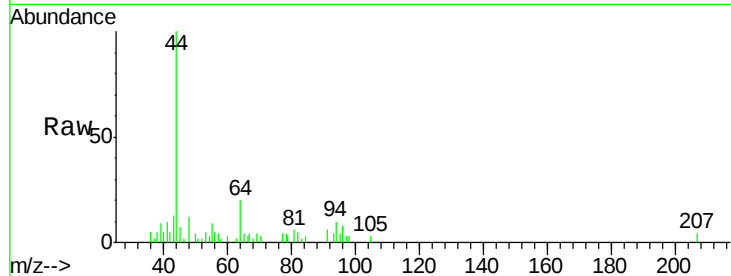
SOIL-CUTTINGS

Tgt Ion: 94 Resp: 597

Ion Ratio Lower Upper

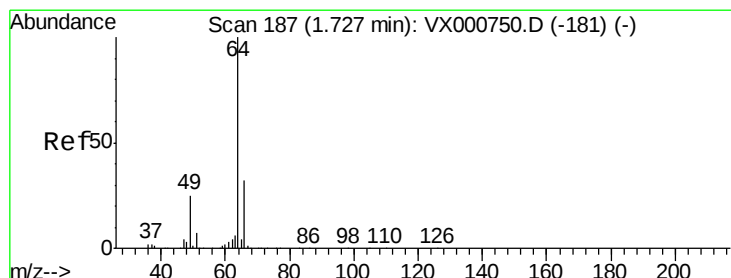
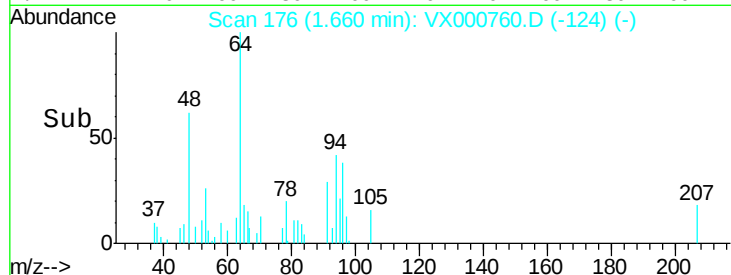
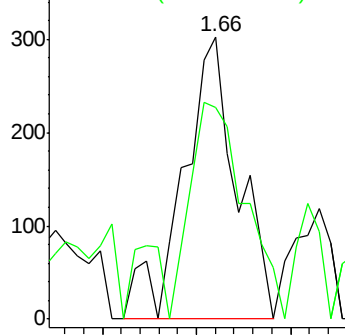
94 100

96 74.9 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.22 ug/l

RT: 1.61 min Scan# 167

Delta R.T. -0.12 min

Lab File: VX000760.D

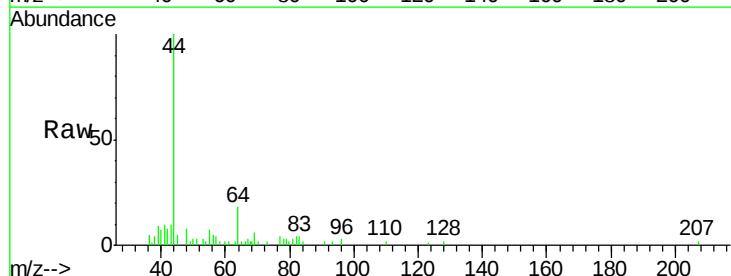
Acq: 10 Apr 2018 20:45

Tgt Ion: 64 Resp: 436

Ion Ratio Lower Upper

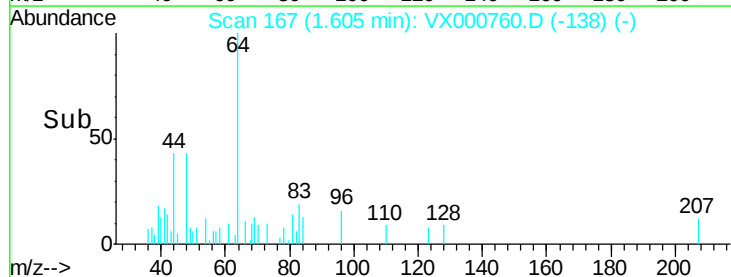
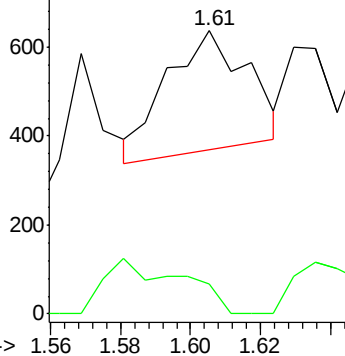
64 100

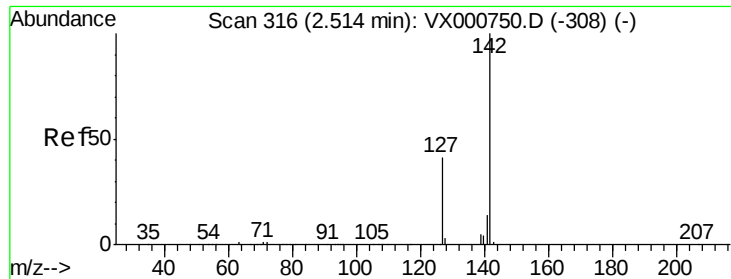
66 27.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

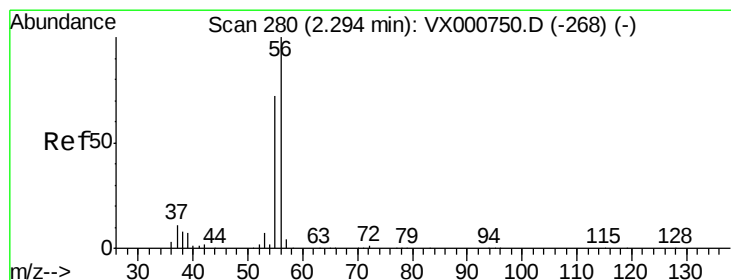
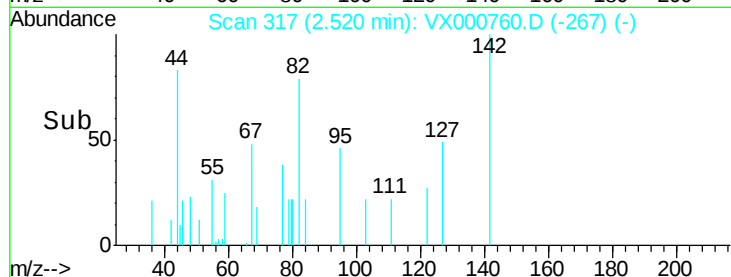
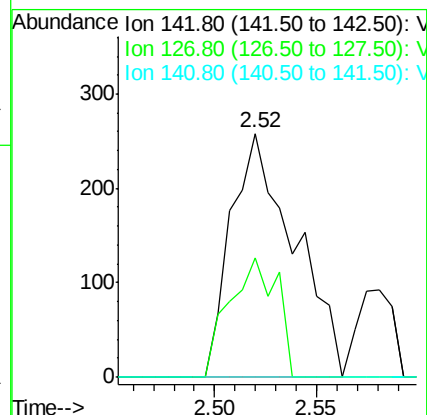
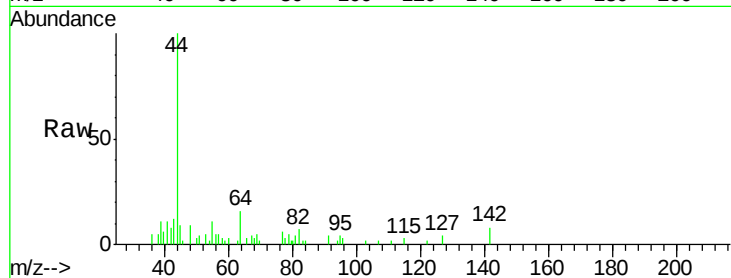




#10
Methyl Iodide
Concen: 8.43 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

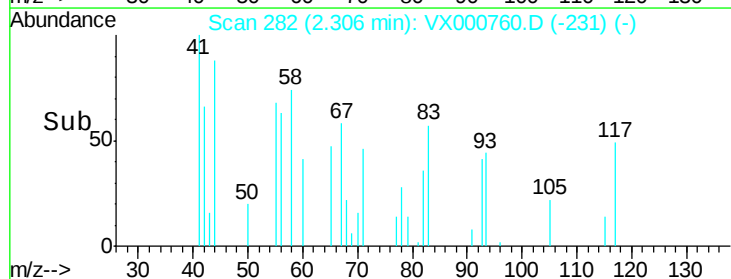
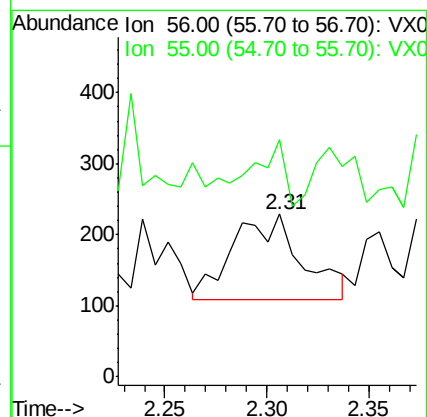
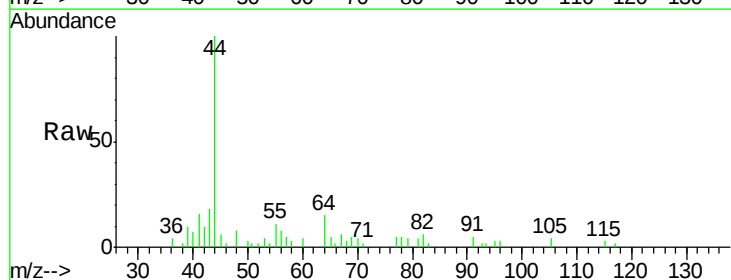
Instrument :
MSVOA_X
ClientSampled :
SOIL-CUTTINGS

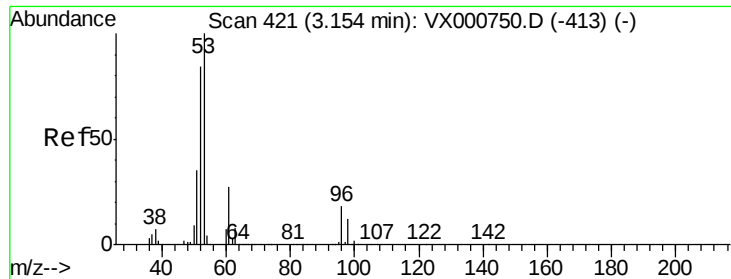
Tgt Ion:142 Resp: 556
Ion Ratio Lower Upper
142 100
127 36.9 32.6 49.0
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.84 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 41.4 58.7 88.1#





#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

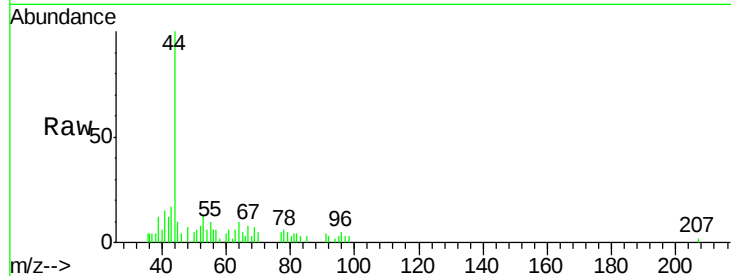
Tgt Ion: 53 Resp: 458

Ion Ratio Lower Upper

53 100

52 164.6 66.5 99.7#

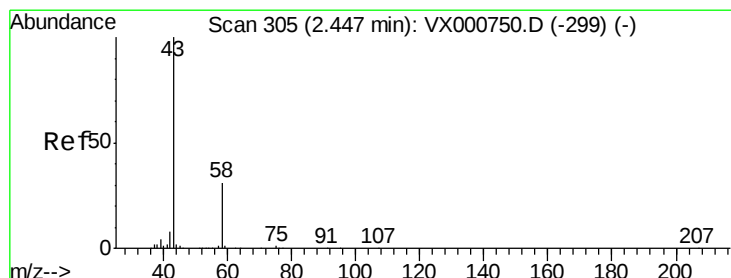
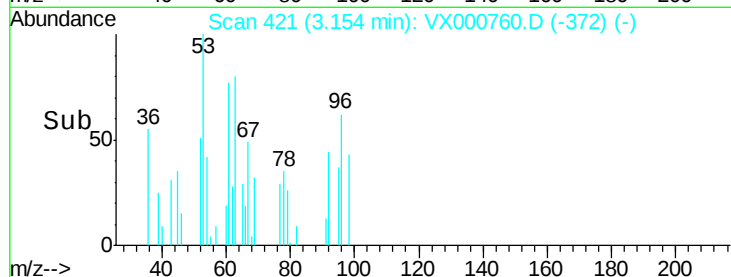
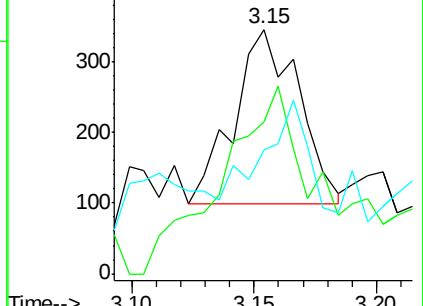
51 44.5 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 6.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000760.D

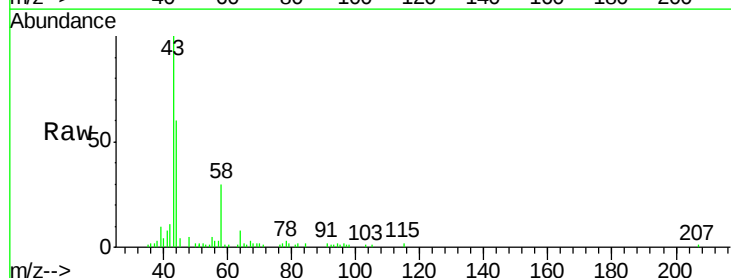
Acq: 10 Apr 2018 20:45

Tgt Ion: 43 Resp: 8331

Ion Ratio Lower Upper

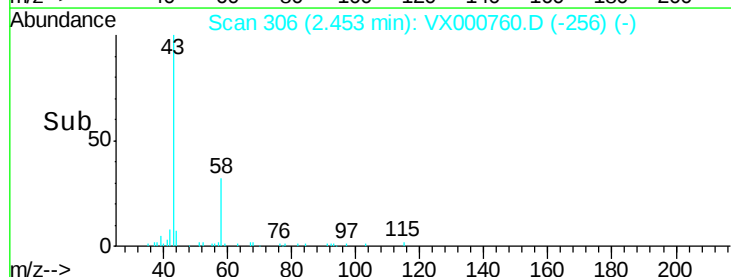
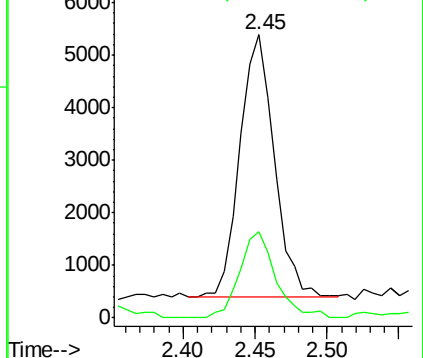
43 100

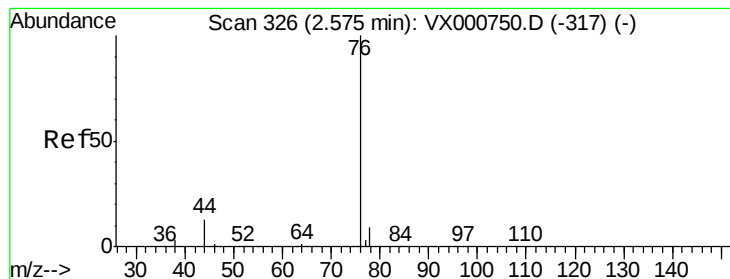
58 32.7 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.24 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

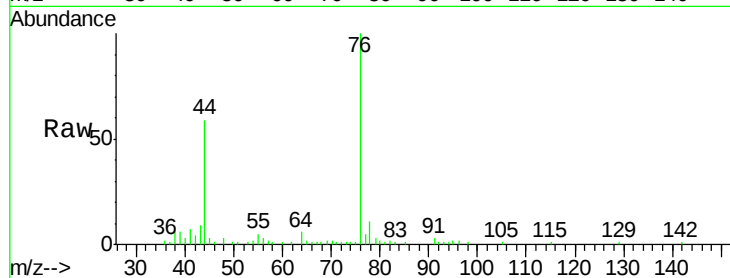
SOIL-CUTTINGS

Tgt Ion: 76 Resp: 10546

Ion Ratio Lower Upper

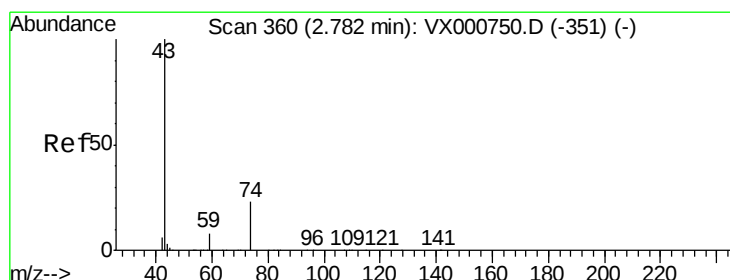
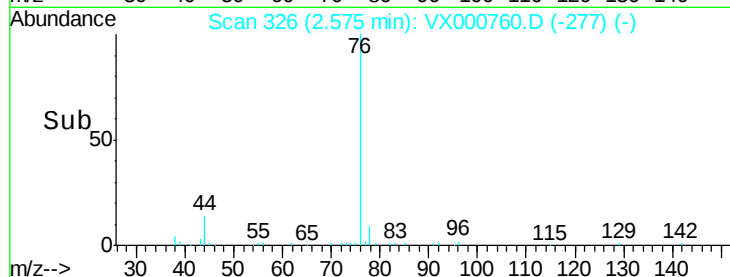
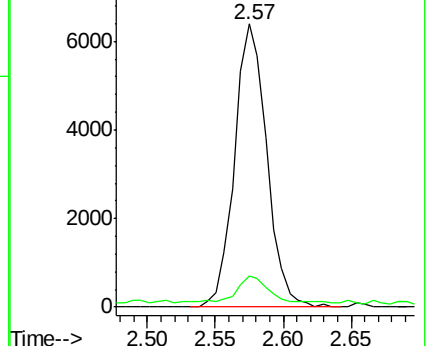
76 100

78 9.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.27 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000760.D

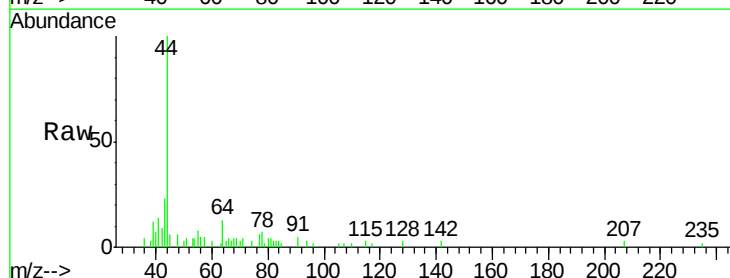
Acq: 10 Apr 2018 20:45

Tgt Ion: 43 Resp: 923

Ion Ratio Lower Upper

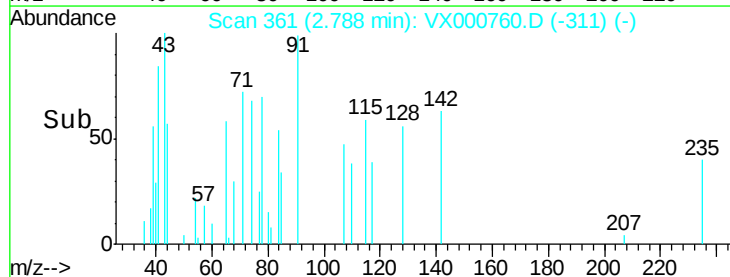
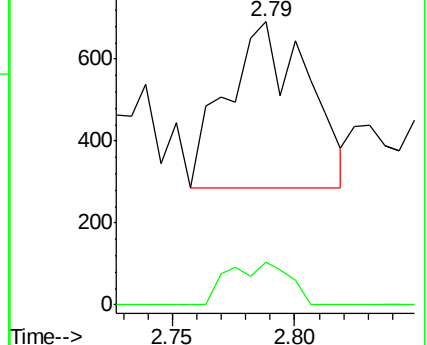
43 100

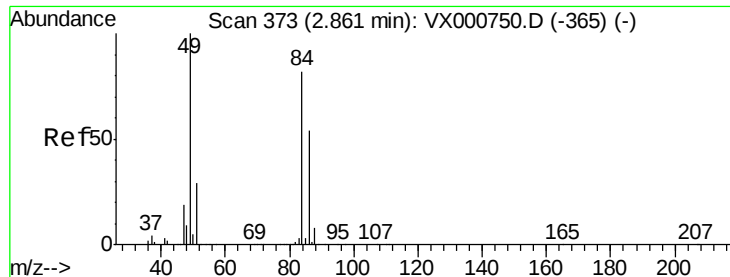
74 19.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

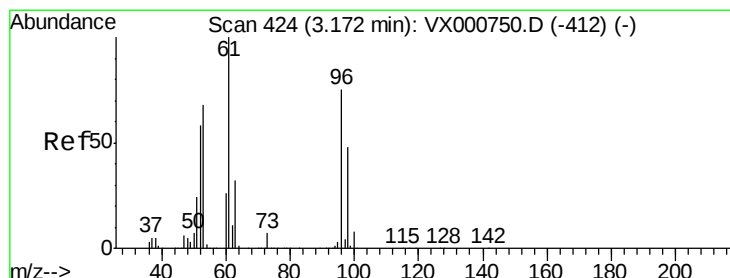
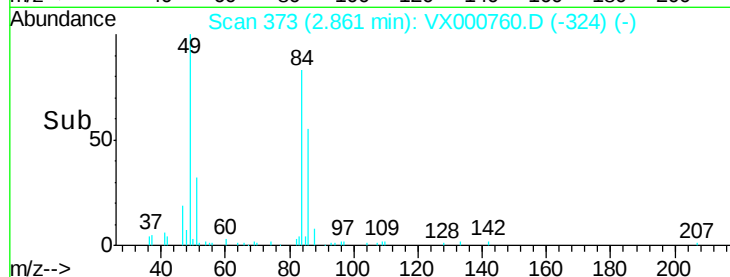
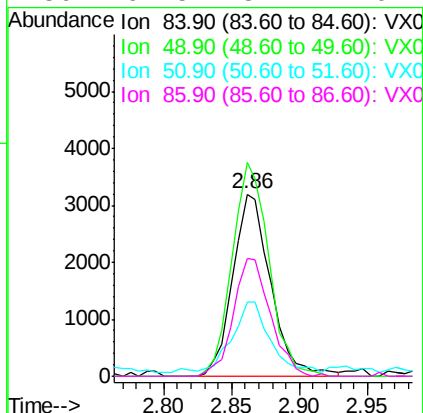
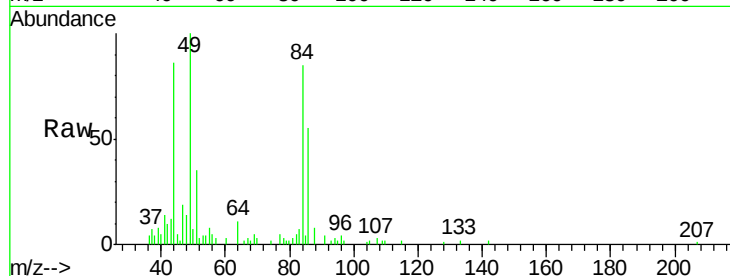




#20
Methylene Chloride
Concen: 2.00 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

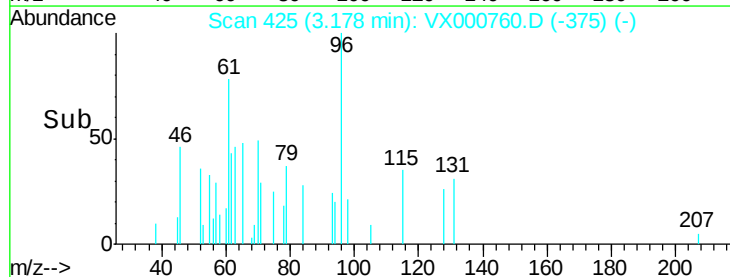
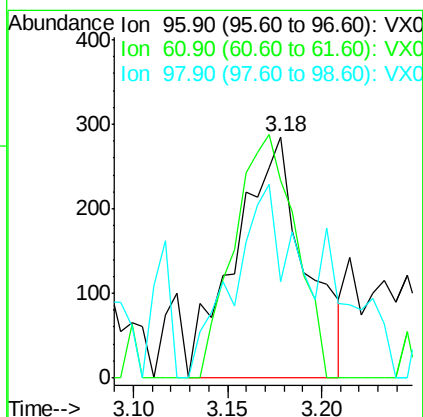
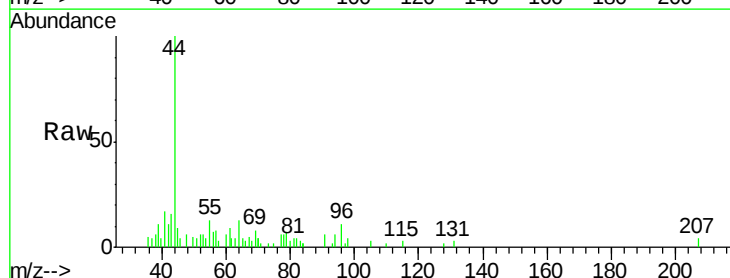
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

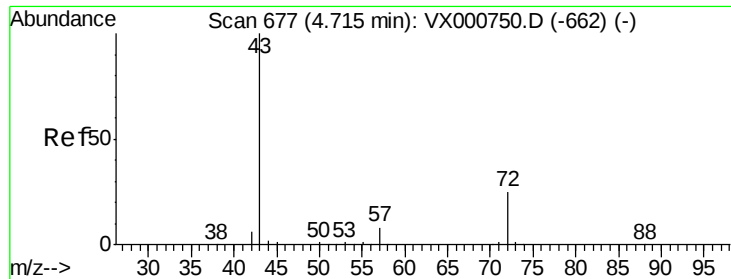
Tgt Ion: 84 Resp: 6220
Ion Ratio Lower Upper
84 100
49 117.5 98.1 147.1
51 37.3 28.9 43.3
86 64.5 52.7 79.1



#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.18 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

Tgt Ion: 96 Resp: 728
Ion Ratio Lower Upper
96 100
61 81.8 106.2 159.2#
98 40.0 51.2 76.8#





#25

2-Butanone

Concen: 2.04 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

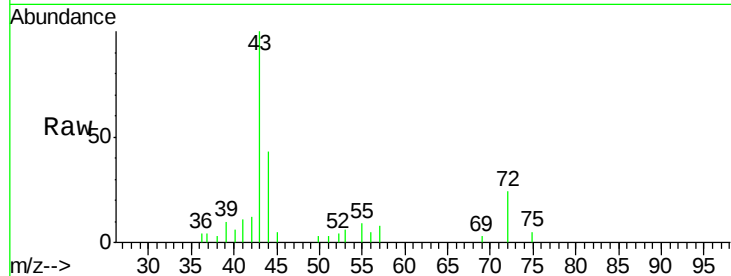
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 4501

Ion Ratio Lower Upper

43 100

72 26.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

2000

1500

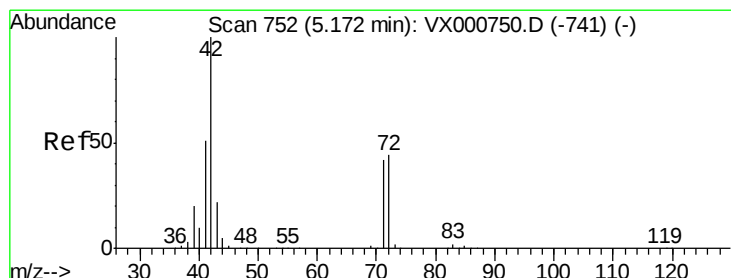
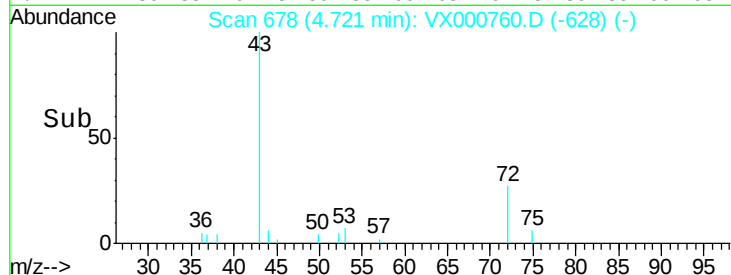
1000

500

0

Time--> 4.60 4.65 4.70 4.75 4.80

4.72



#29

Tetrahydrofuran

Concen: 2.62 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

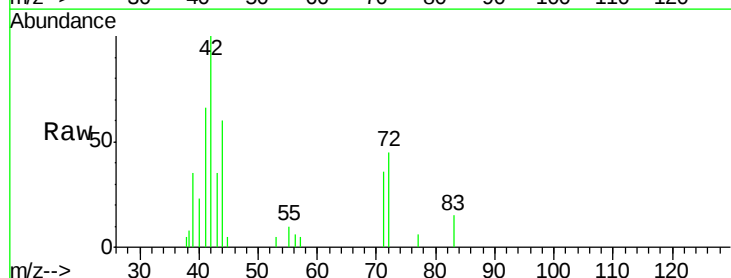
Tgt Ion: 42 Resp: 3669

Ion Ratio Lower Upper

42 100

72 46.0 35.1 52.7

71 41.2 32.8 49.2



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

1500

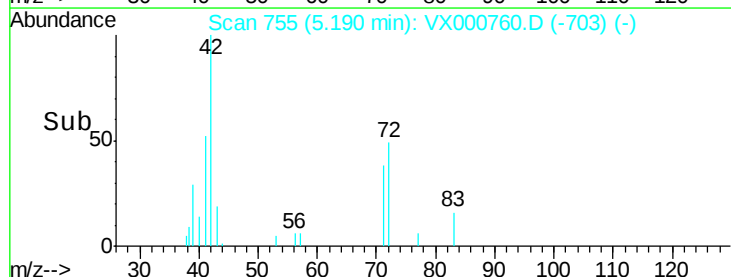
1000

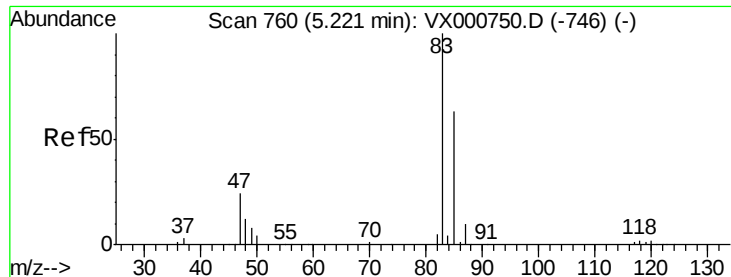
500

0

Time--> 5.10 5.20 5.30

5.19

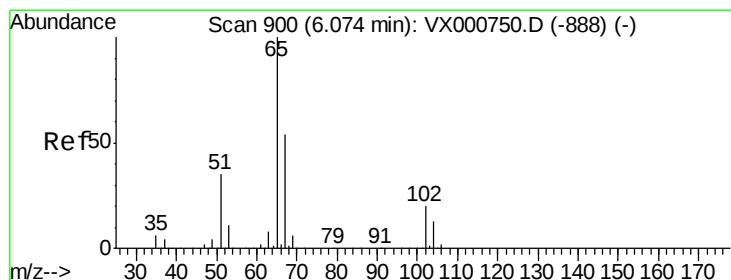
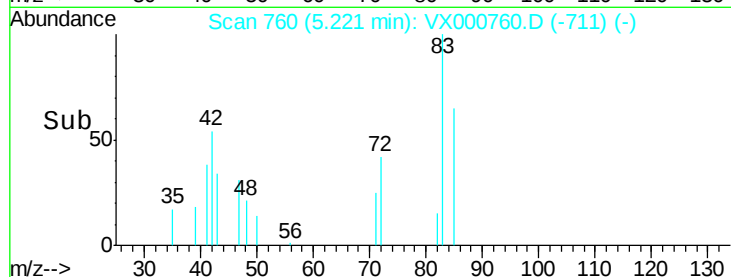
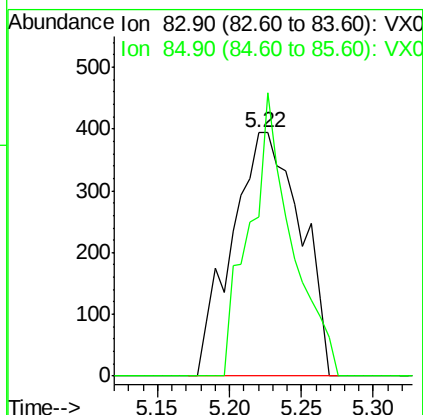
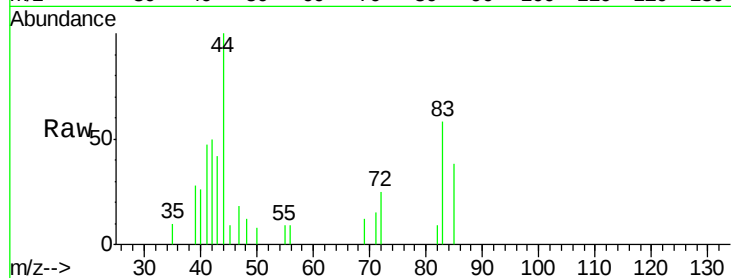




#30
Chloroform
Concen: 0.23 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

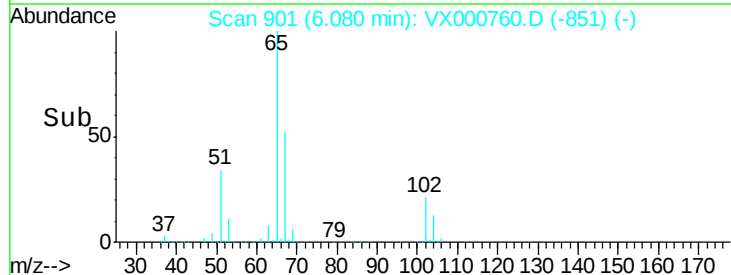
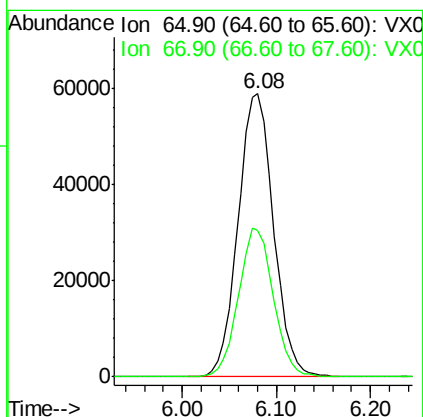
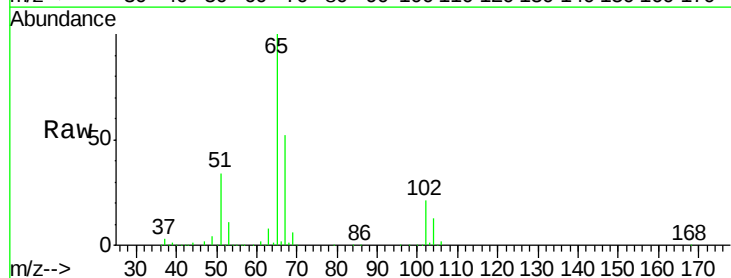
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

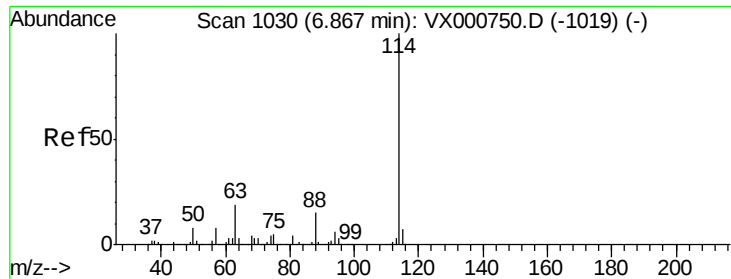
Tgt Ion: 83 Resp: 1305
Ion Ratio Lower Upper
83 100
85 65.2 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 40.03 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

Tgt Ion: 65 Resp: 154976
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

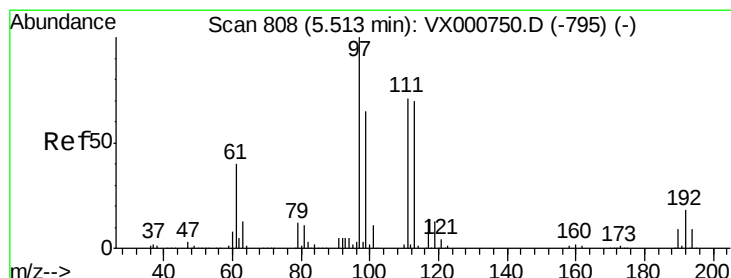
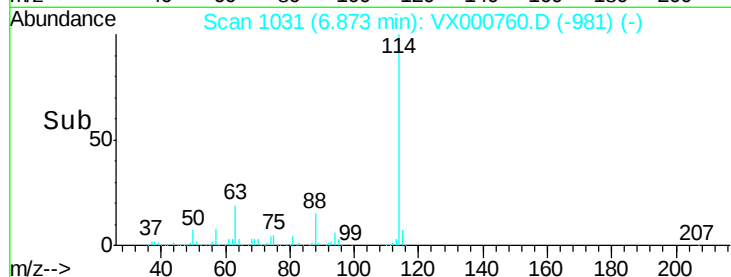
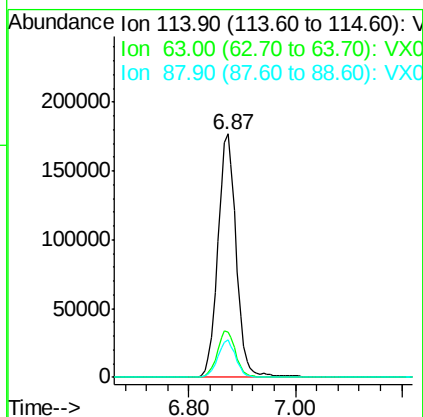
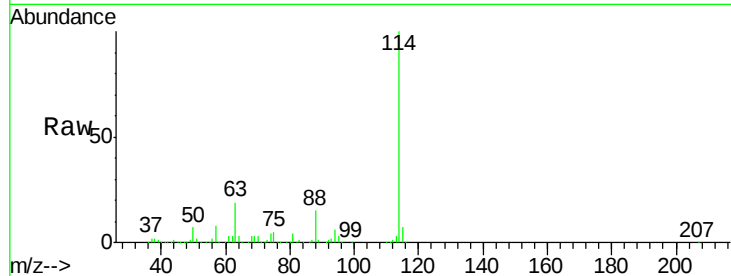




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

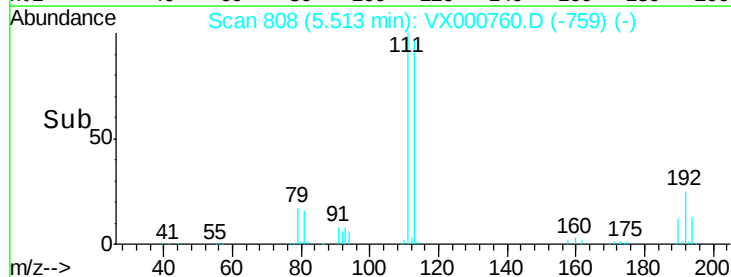
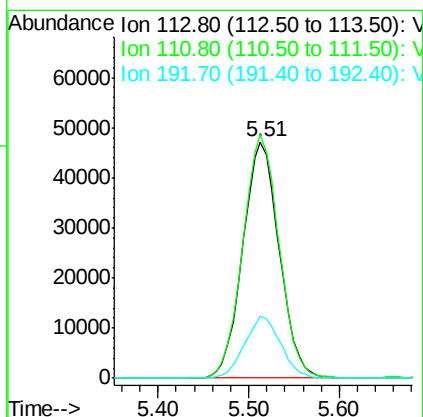
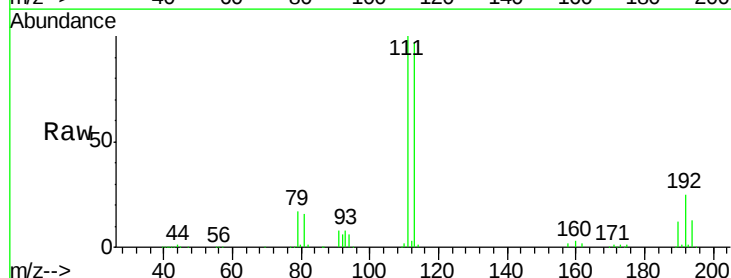
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

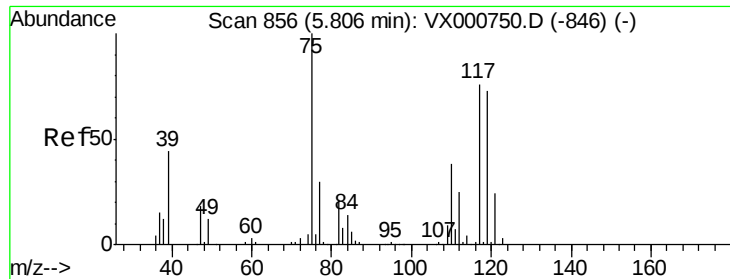
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.3	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 39.89 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.5	122.3
192	25.9	20.4	30.6

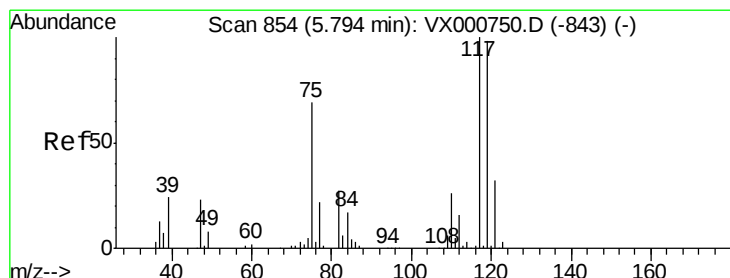
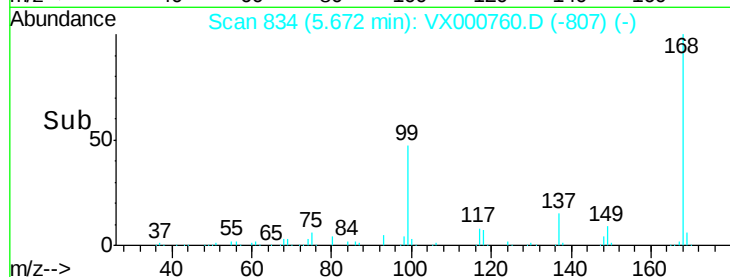
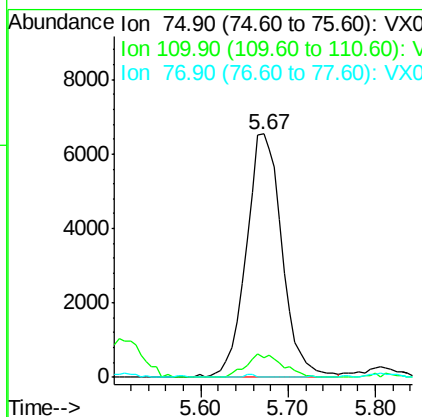
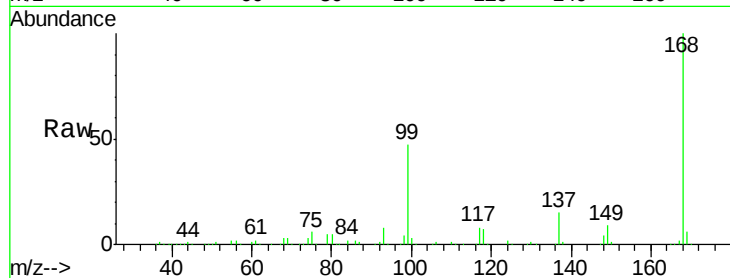




#36
 1,1-Dichloropropene
 Concen: 3.95 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

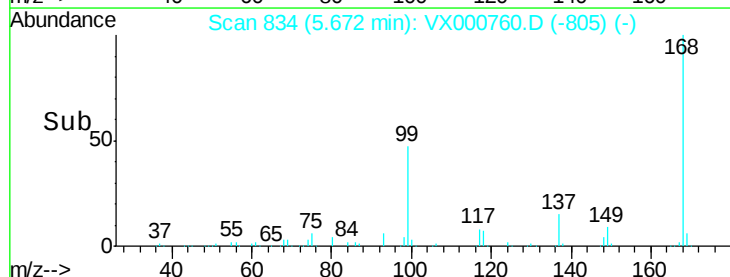
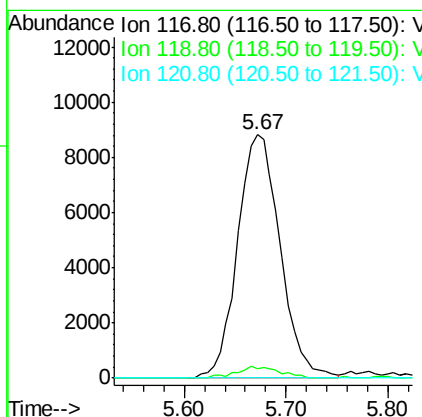
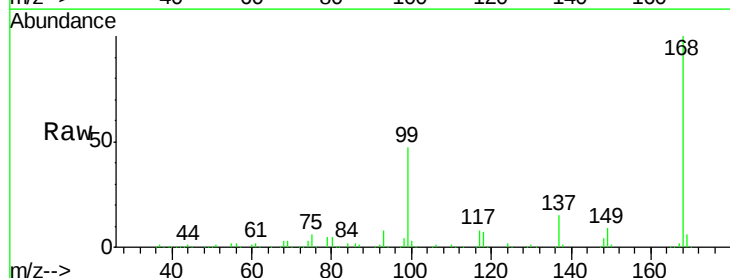
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

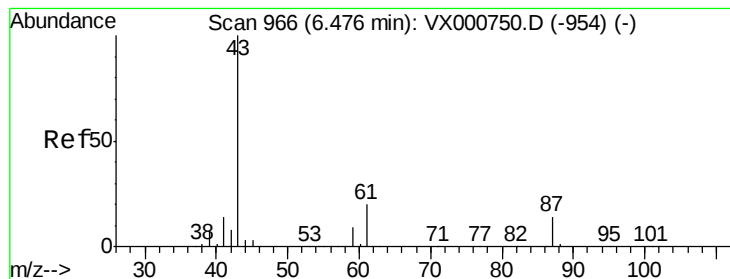
Tgt Ion: 75 Resp: 18591
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.2 57.6#
 77 0.3 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 4.85 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

Tgt Ion: 117 Resp: 25517
 Ion Ratio Lower Upper
 117 100
 119 4.1 78.4 117.6#
 121 0.0 25.4 38.0#





#43

Isopropyl Acetate

Concen: 0.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

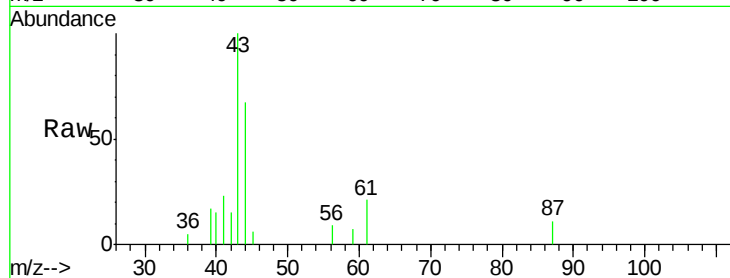
Tgt Ion: 43 Resp: 2578

Ion Ratio Lower Upper

43 100

61 20.0 15.6 23.4

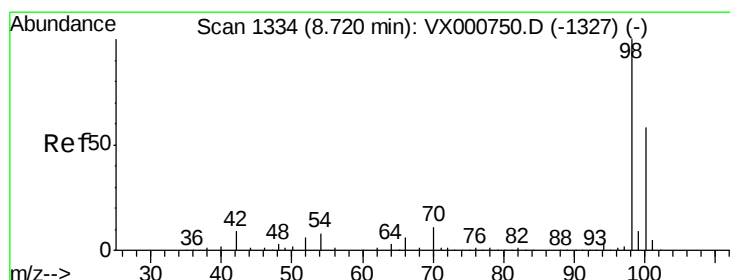
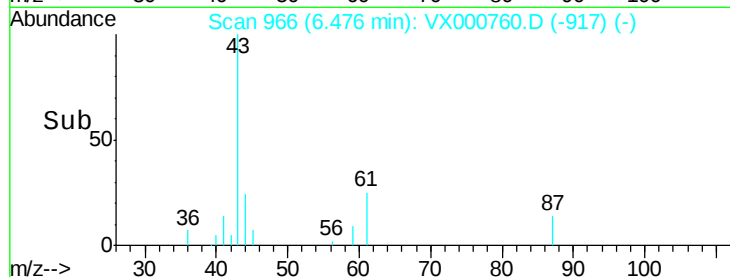
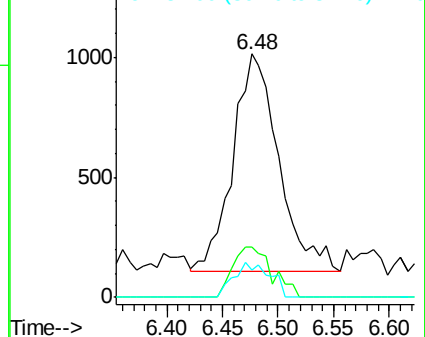
87 12.6 10.7 16.1



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: 39.88 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000760.D

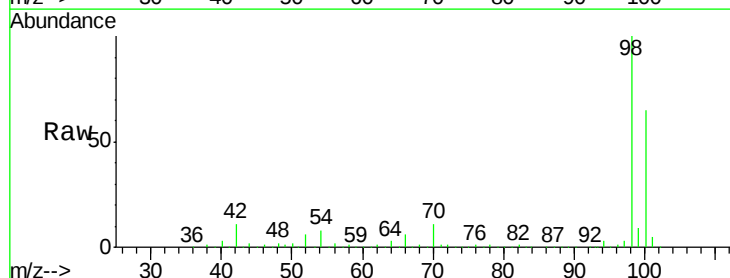
Acq: 10 Apr 2018 20:45

Tgt Ion: 98 Resp: 488301

Ion Ratio Lower Upper

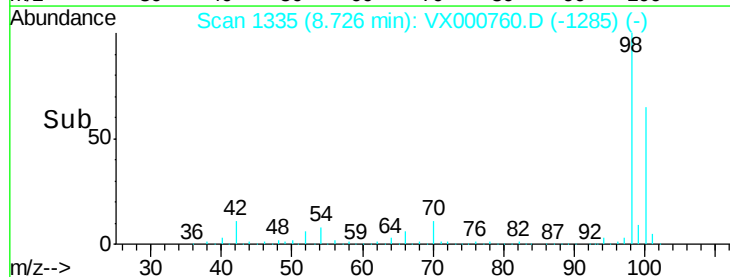
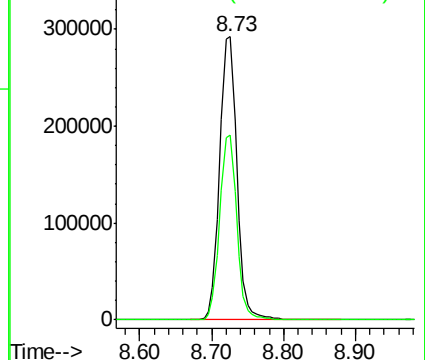
98 100

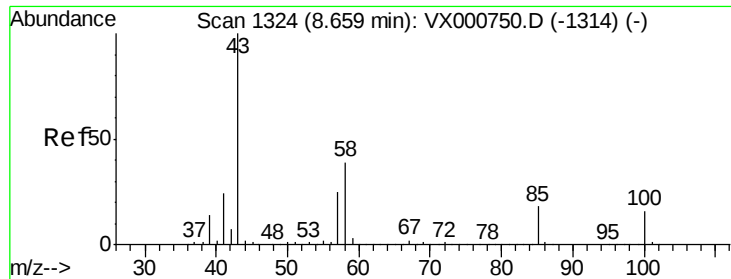
100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

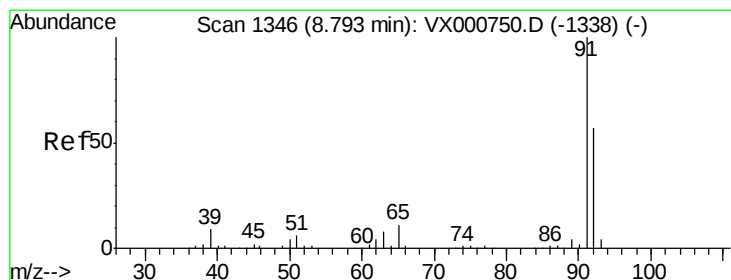
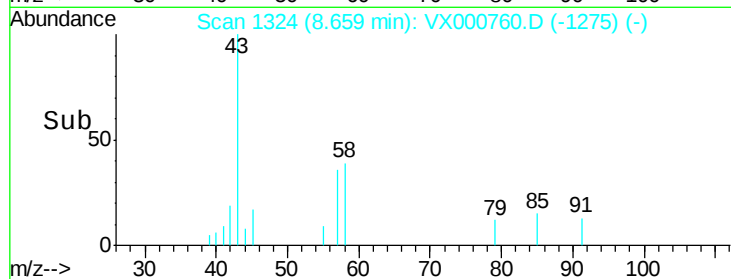
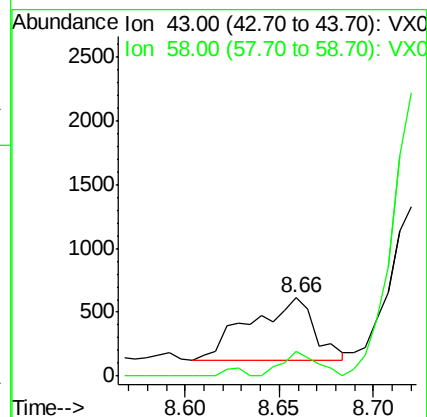
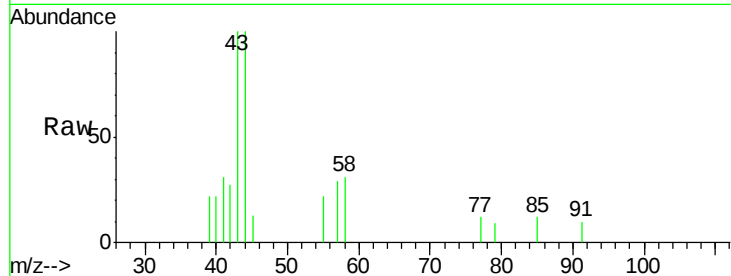
SOIL-CUTTINGS

Tgt Ion: 43 Resp: 1157

Ion Ratio Lower Upper

43 100

58 20.9 30.3 45.5#



#52

Toluene

Concen: 0.93 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000760.D

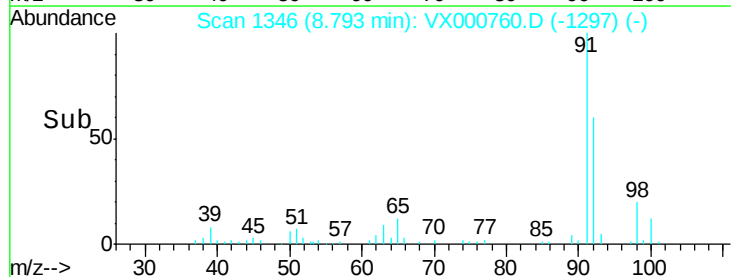
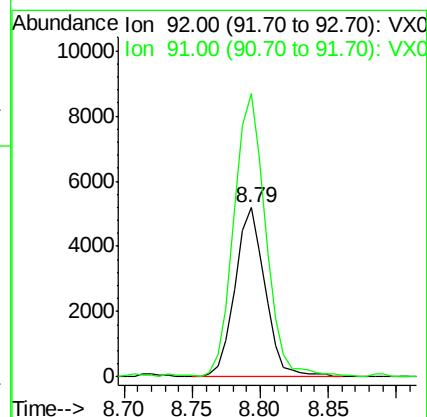
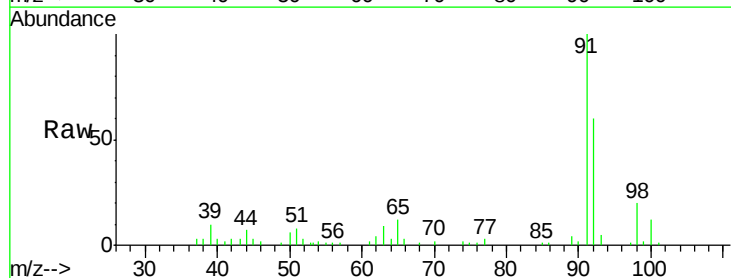
Acq: 10 Apr 2018 20:45

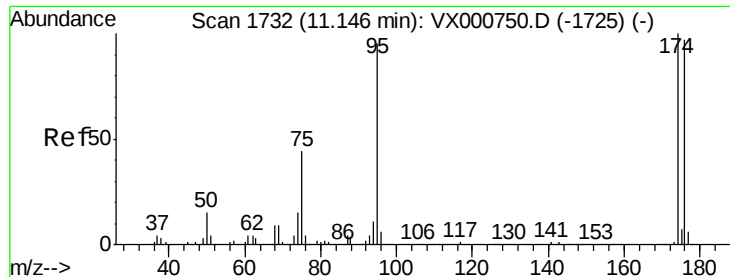
Tgt Ion: 92 Resp: 8016

Ion Ratio Lower Upper

92 100

91 176.7 139.0 208.4





#62

4-Bromofluorobenzene

Concen: 39.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

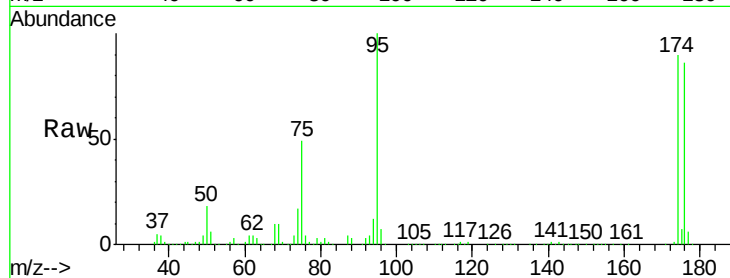
Tgt Ion: 95 Resp: 197975

Ion Ratio Lower Upper

95 100

174 97.0 0.0 198.4

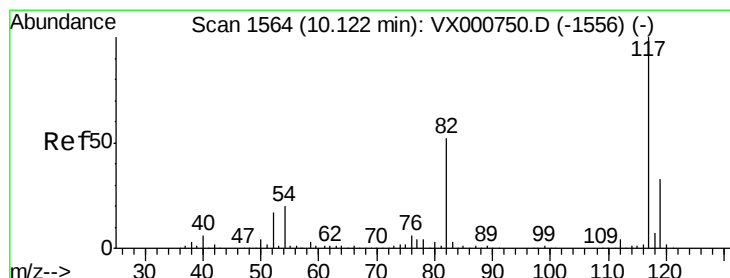
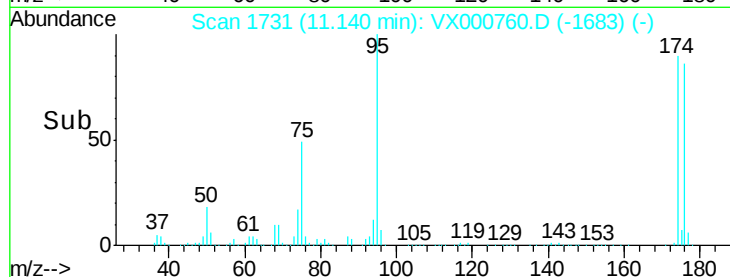
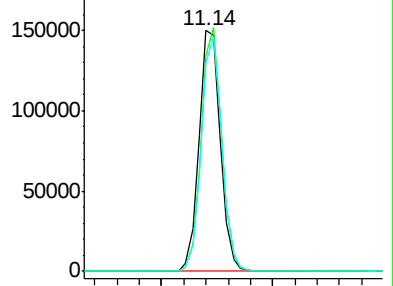
176 94.5 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX000750.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000750.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000750.D (-1725) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

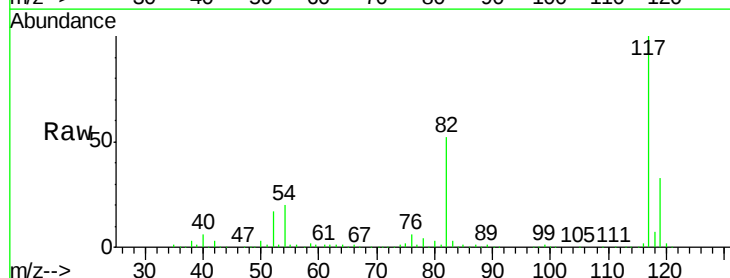
Tgt Ion: 117 Resp: 393466

Ion Ratio Lower Upper

117 100

82 51.7 41.9 62.9

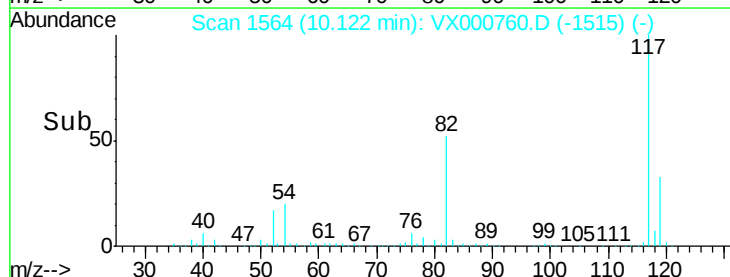
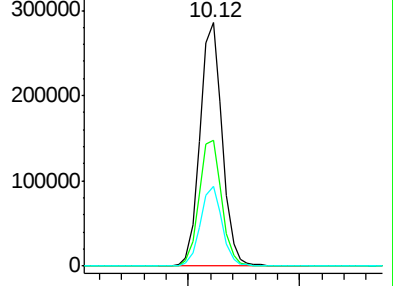
119 32.6 26.0 39.0

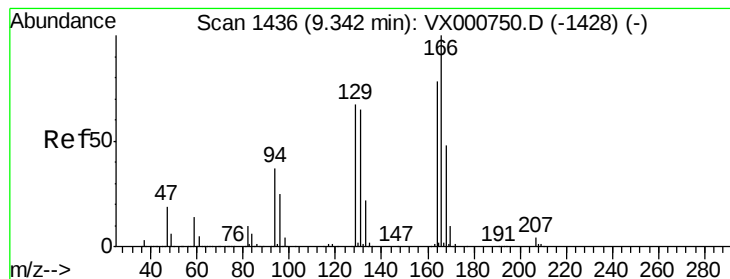


Abundance Ion 116.90 (116.60 to 117.60): VX000750.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000750.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000750.D (-1556) (-)





#64

Tetrachloroethene

Concen: 0.21 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. 0.01 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

Tgt Ion:164 Resp: 807

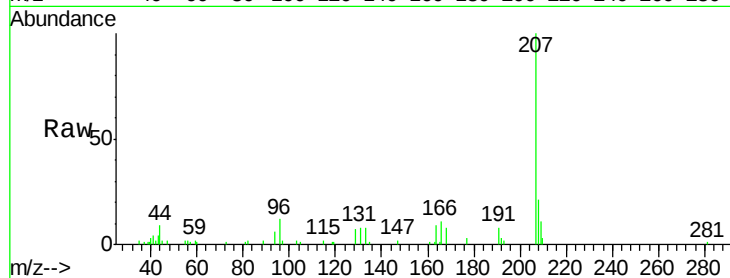
Ion Ratio Lower Upper

164 100

166 114.5 102.8 154.2

129 70.8 68.5 102.7

131 84.5 66.6 100.0

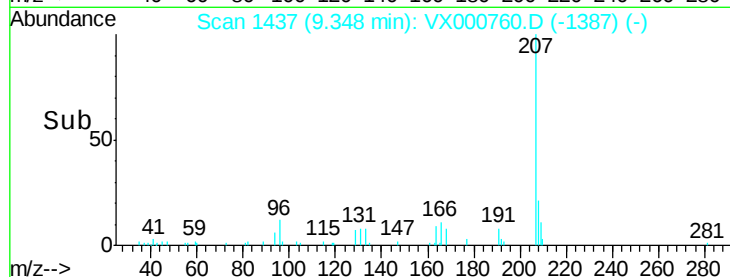
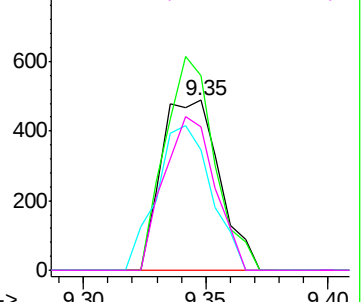


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 0.91 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX000760.D

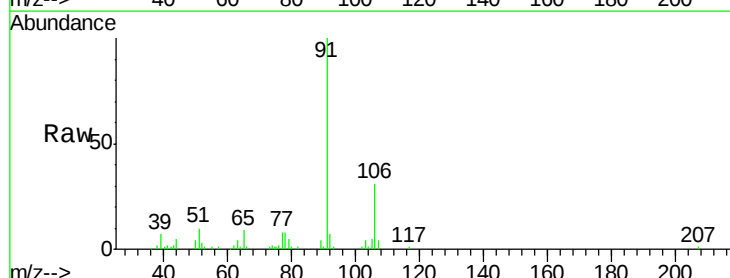
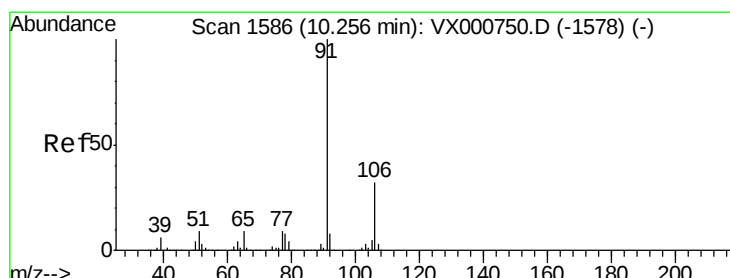
Acq: 10 Apr 2018 20:45

Tgt Ion: 91 Resp: 15087

Ion Ratio Lower Upper

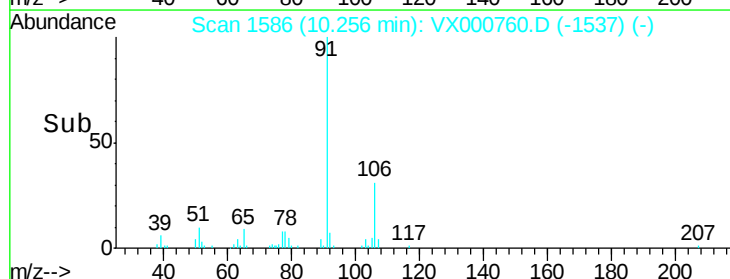
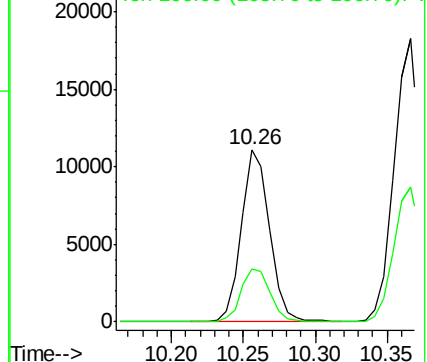
91 100

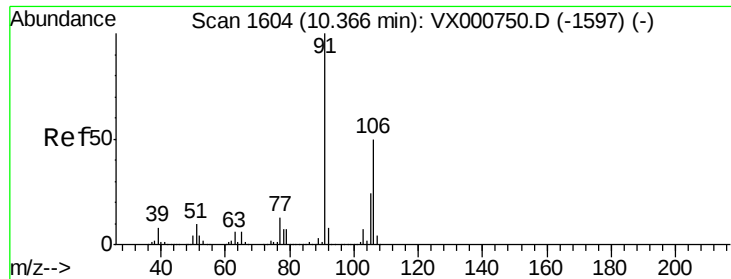
106 30.9 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

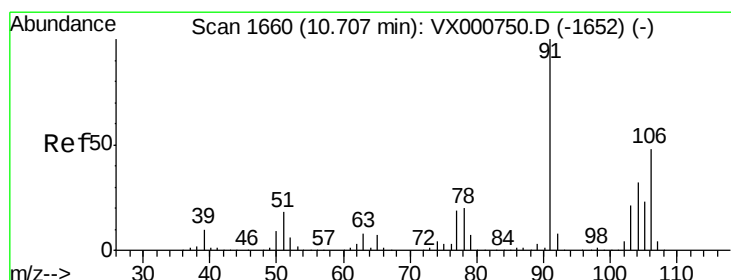
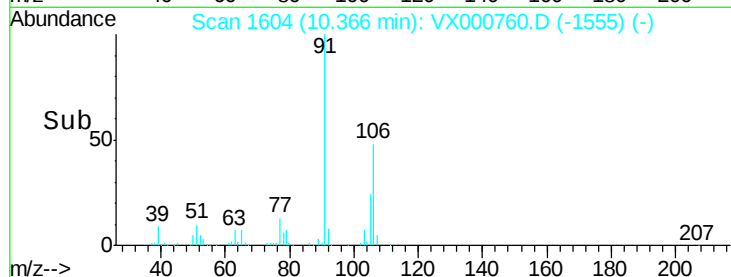
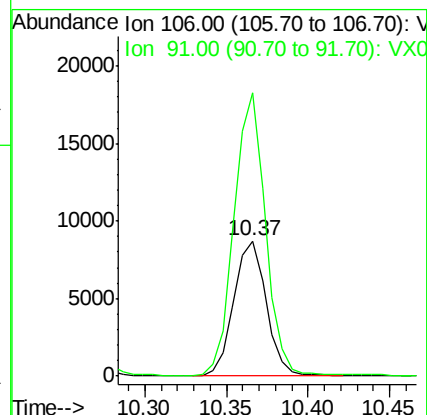
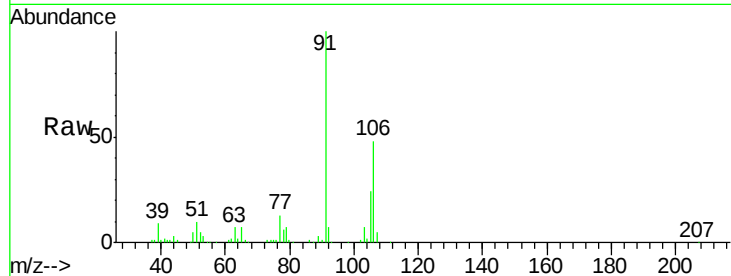




#68
m/p-Xylenes
Concen: 1.86 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

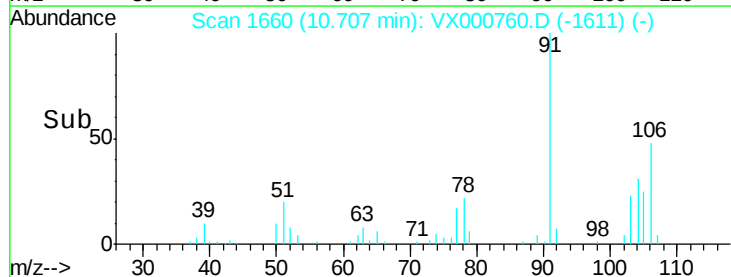
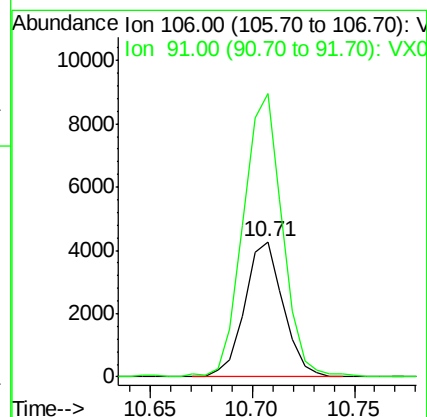
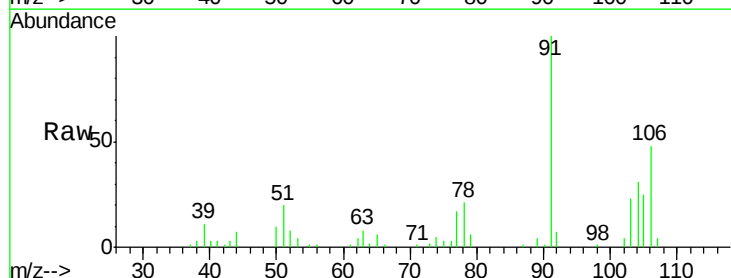
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

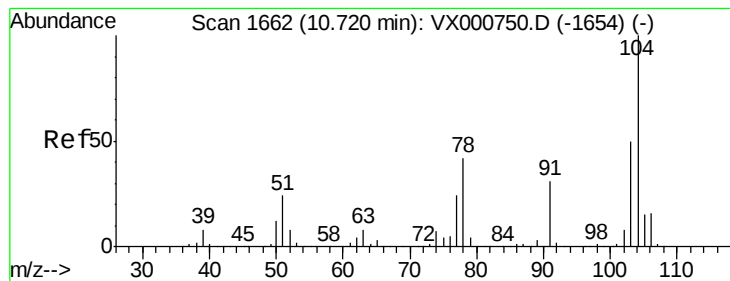
Tgt Ion:106 Resp: 12126
Ion Ratio Lower Upper
106 100
91 203.0 159.3 238.9



#69
o-Xylene
Concen: 0.89 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

Tgt Ion:106 Resp: 5608
Ion Ratio Lower Upper
106 100
91 212.6 105.0 315.0





#70

Styrene

Concen: 0.89 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampled :

SOIL-CUTTINGS

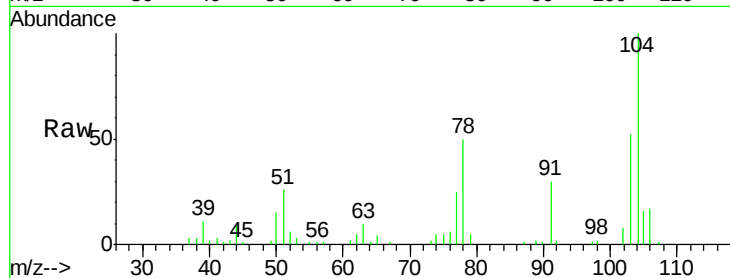
Tgt Ion:104 Resp: 9458

Ion Ratio Lower Upper

104 100

78 51.5 39.0 58.6

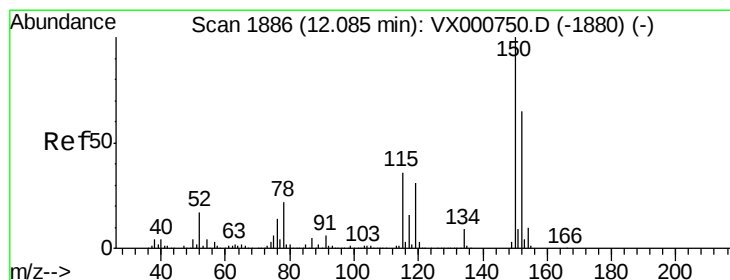
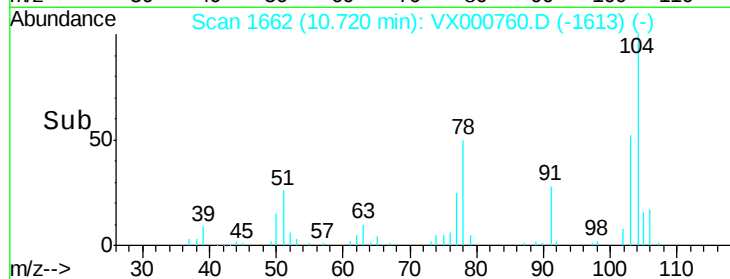
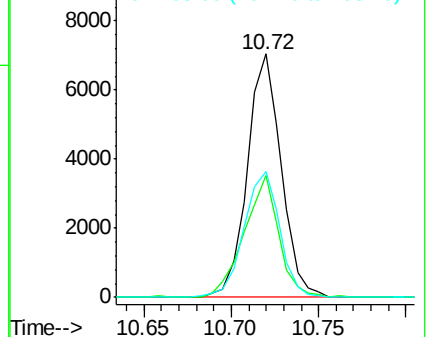
103 55.0 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

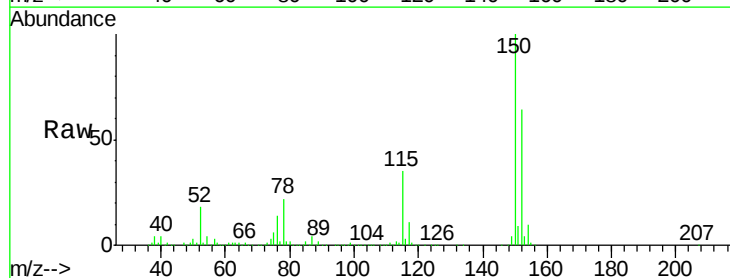
Tgt Ion:152 Resp: 231142

Ion Ratio Lower Upper

152 100

115 54.7 37.9 113.7

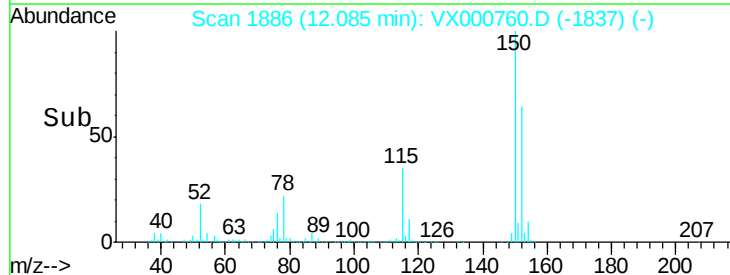
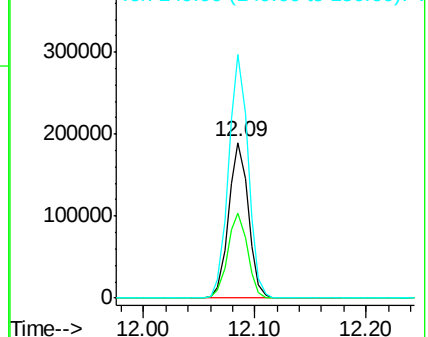
150 156.2 0.0 348.0

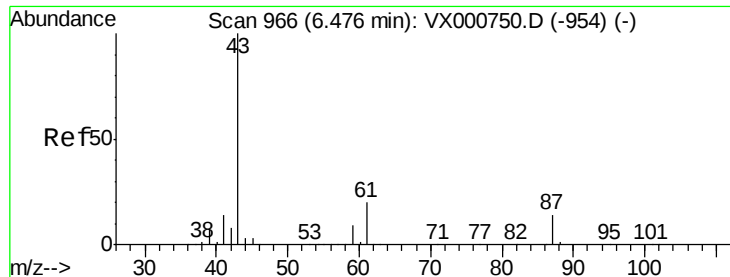


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.39 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

Tgt Ion: 43 Resp: 2578

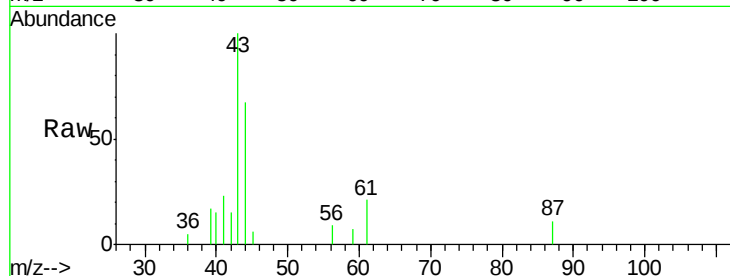
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 3.0 0.0 0.0#

61 20.0 15.6 23.4

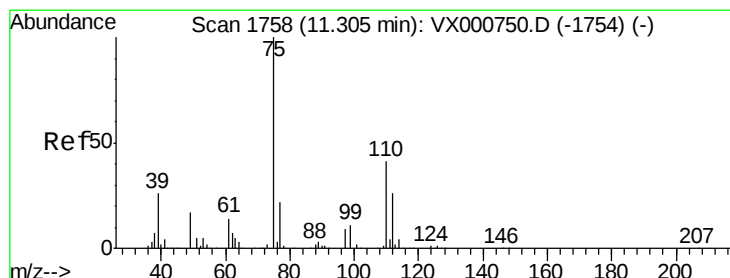
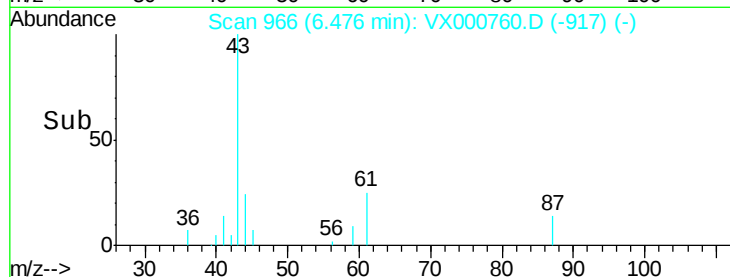
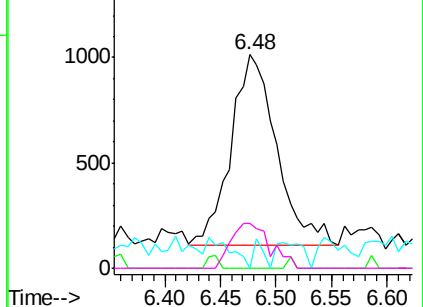


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 24.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000760.D

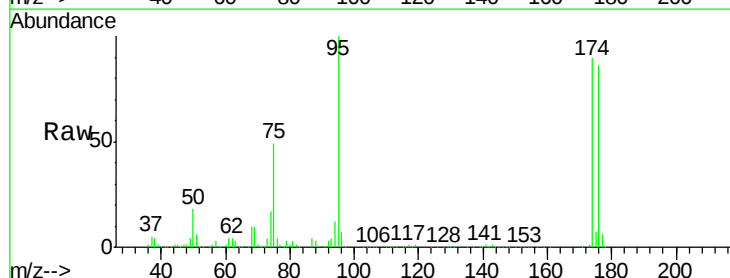
Acq: 10 Apr 2018 20:45

Tgt Ion: 75 Resp: 95904

Ion Ratio Lower Upper

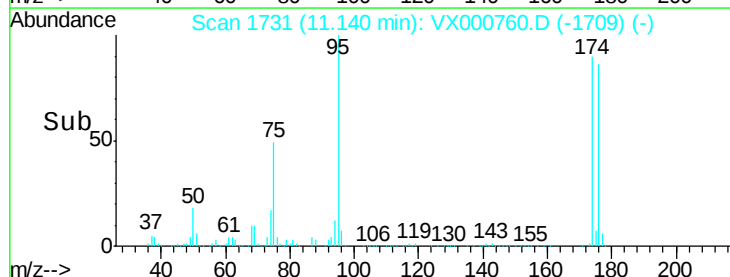
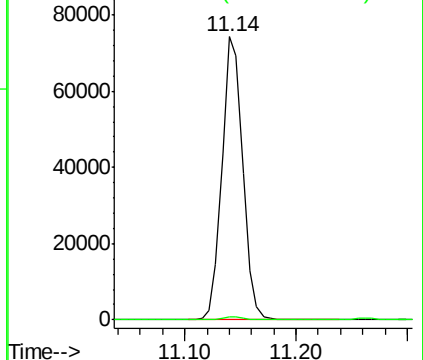
75 100

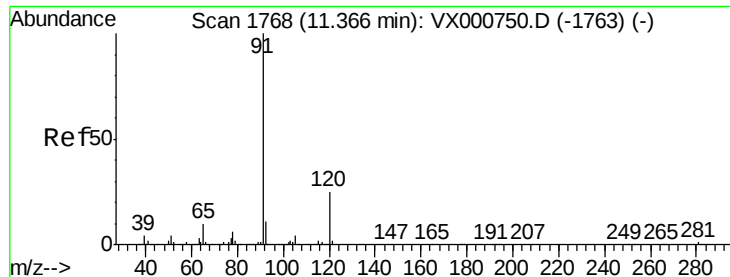
77 1.1 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

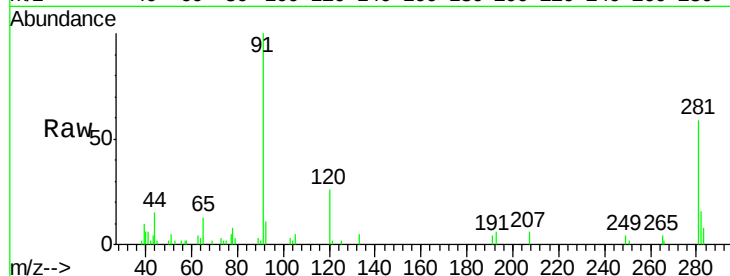
SOIL-CUTTINGS

Tgt Ion: 91 Resp: 4292

Ion Ratio Lower Upper

91 100

120 26.4 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.37

3000

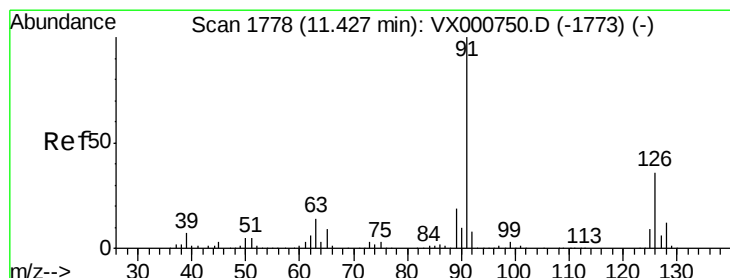
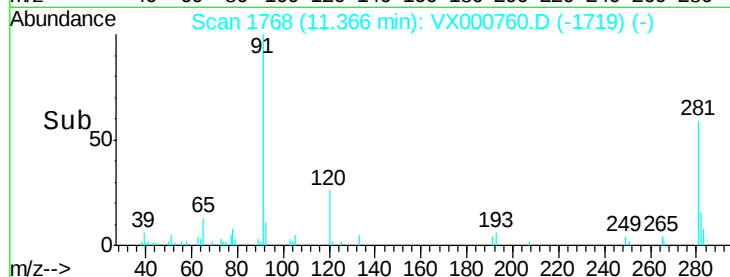
2000

1000

0

11.35 11.40

Time-->



#79

2-Chlorotoluene

Concen: 0.26 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX000760.D

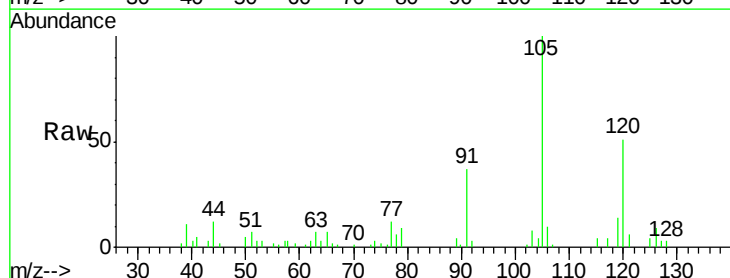
Acq: 10 Apr 2018 20:45

Tgt Ion: 91 Resp: 2536

Ion Ratio Lower Upper

91 100

126 21.1 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.52

2000

1500

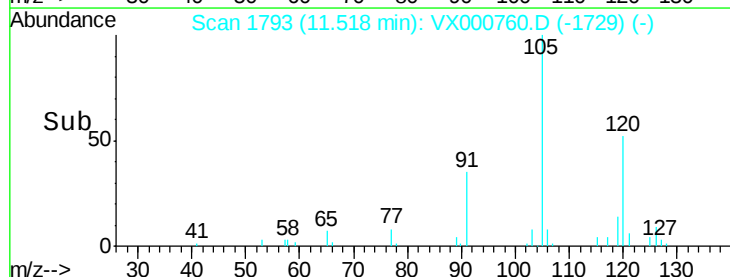
1000

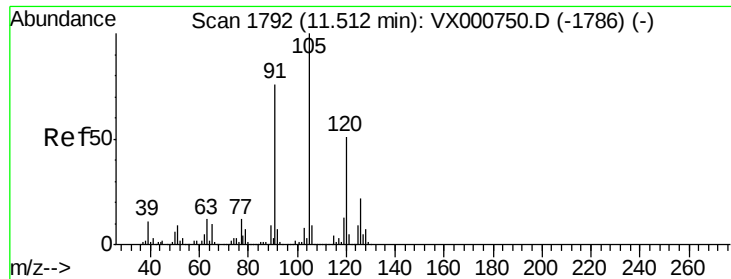
500

0

11.50 11.55

Time-->

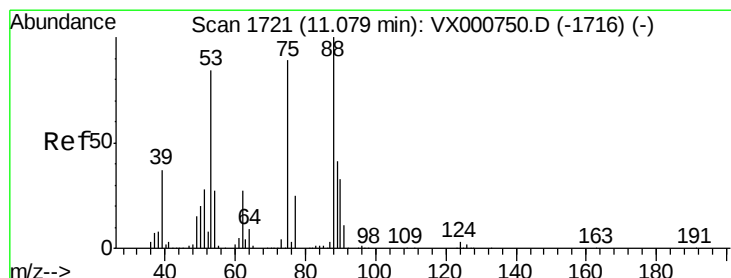
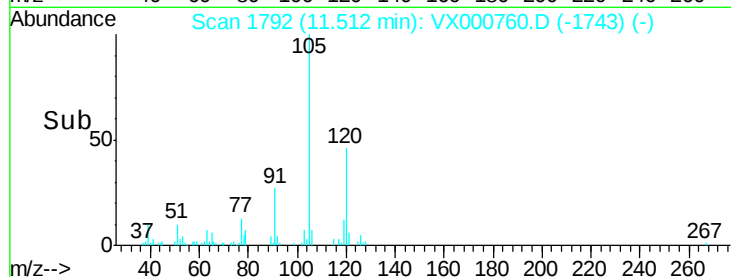
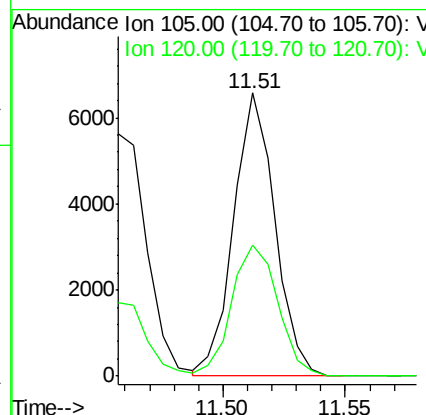
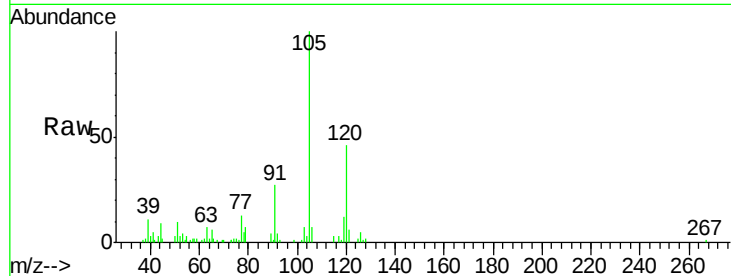




#80
 1,3,5-Trimethylbenzene
 Concen: 0.61 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

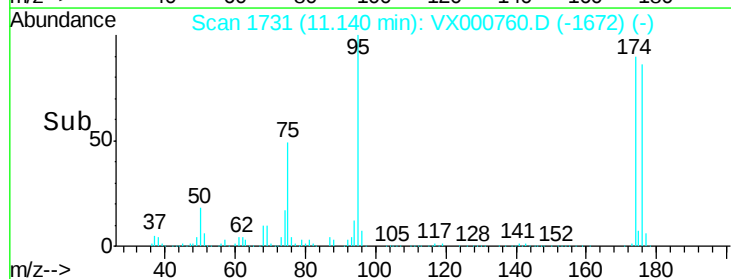
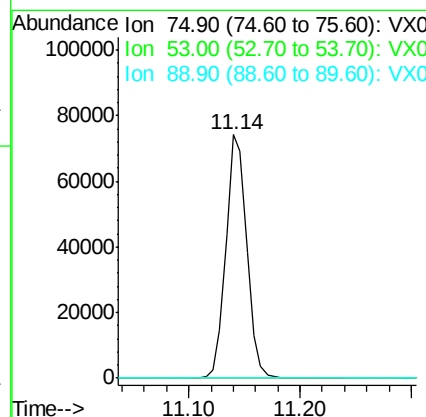
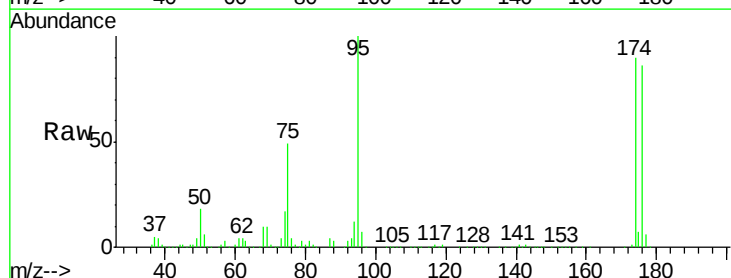
Instrument :
 MSVOA_X
 ClientSampled :
 SOIL-CUTTINGS

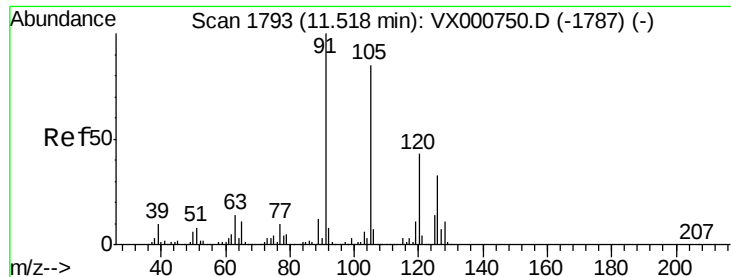
Tgt Ion: 105 Resp: 7732
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.0 75.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.18 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

Tgt Ion: 75 Resp: 95904
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

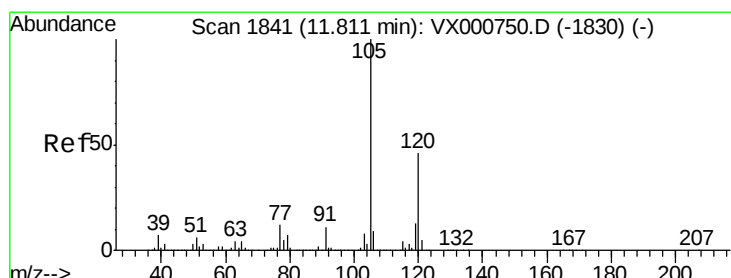
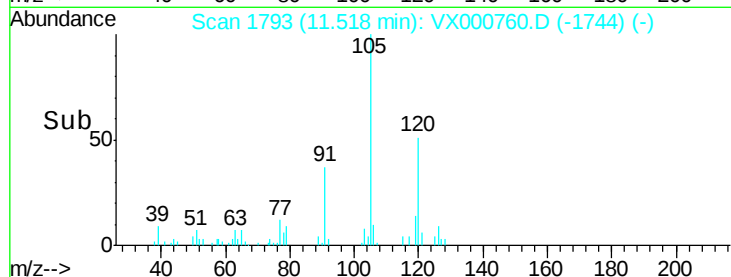
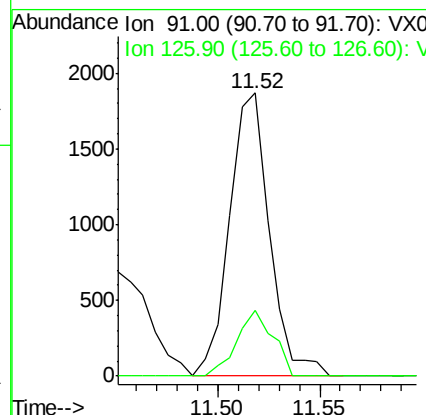
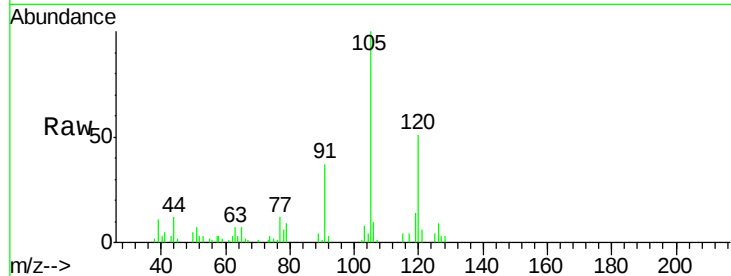




#82
 4-Chlorotoluene
 Concen: 0.21 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

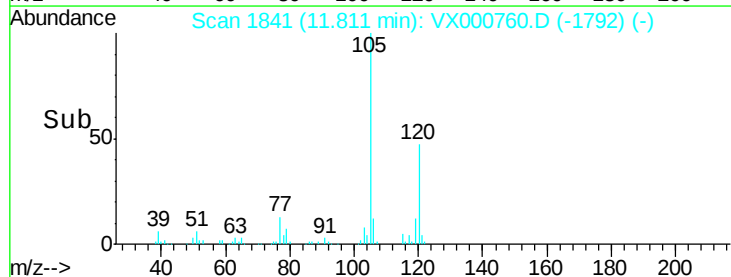
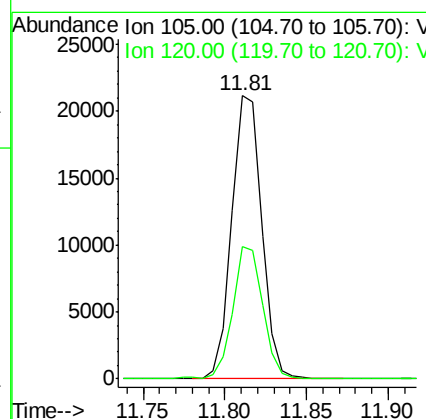
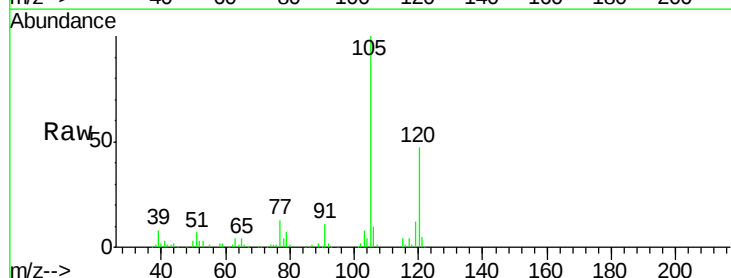
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

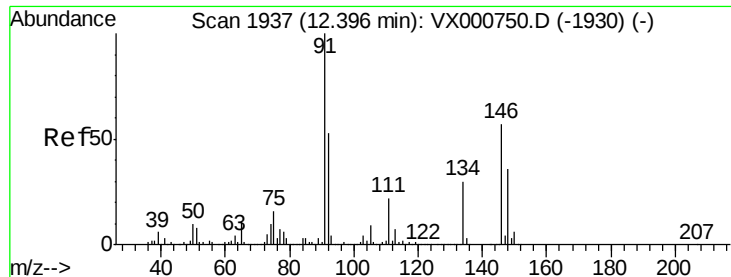
Tgt Ion: 91 Resp: 2536
 Ion Ratio Lower Upper
 91 100
 126 21.1 16.2 48.6



#84
 1,2,4-Trimethylbenzene
 Concen: 2.07 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

Tgt Ion: 105 Resp: 27004
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.3

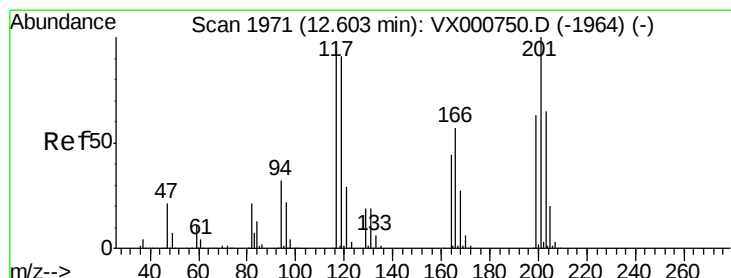
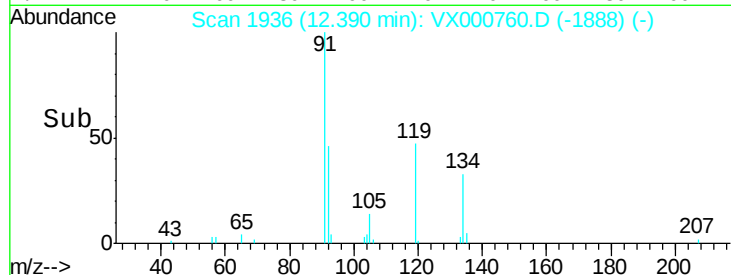
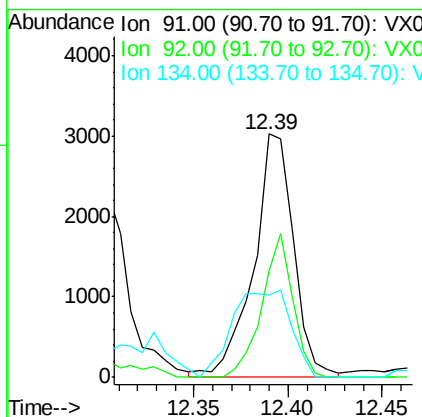
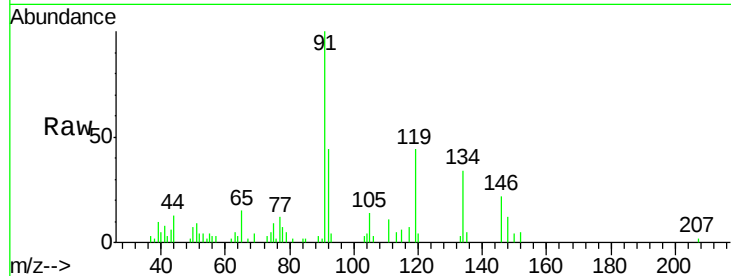




#89
n-Butylbenzene
Concen: 0.36 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

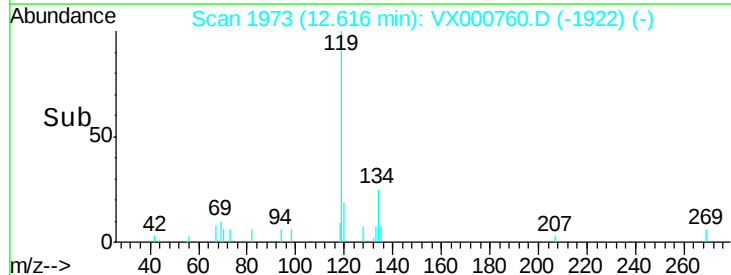
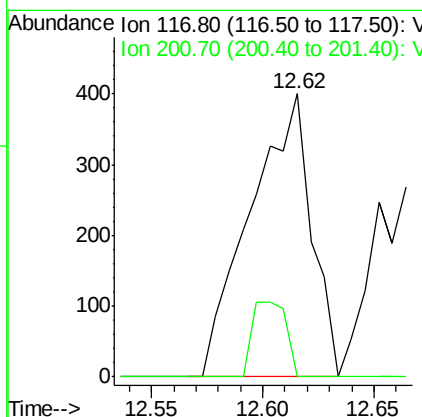
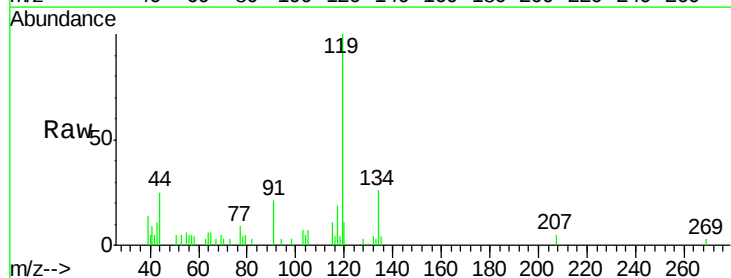
Instrument :
MSVOA_X
ClientSampleId :
SOIL-CUTTINGS

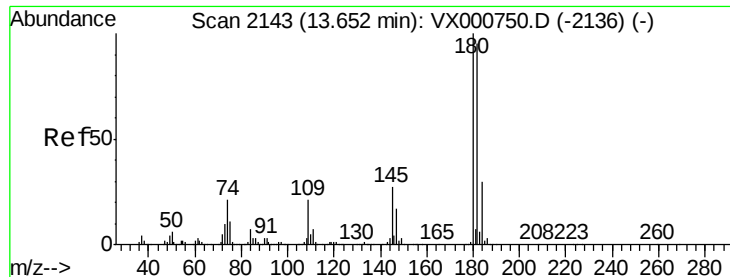
Tgt Ion: 91 Resp: 4477
Ion Ratio Lower Upper
91 100
92 45.3 26.5 79.5
134 52.1 14.5 43.5#



#90
Hexachloroethane
Concen: 0.32 ug/l
RT: 12.62 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VX000760.D
Acq: 10 Apr 2018 20:45

Tgt Ion: 117 Resp: 761
Ion Ratio Lower Upper
117 100
201 14.8 52.9 158.7#

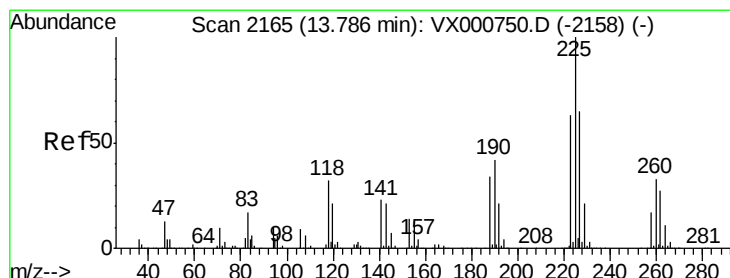
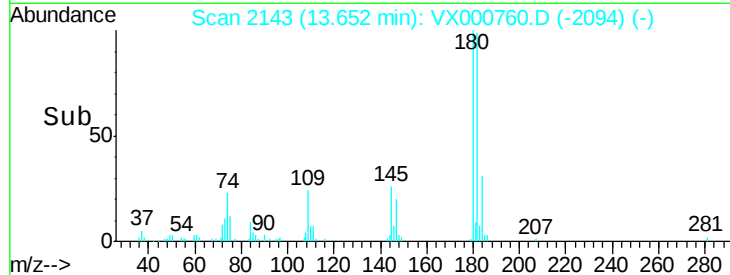
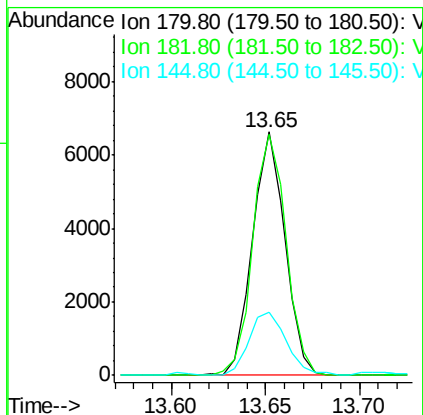
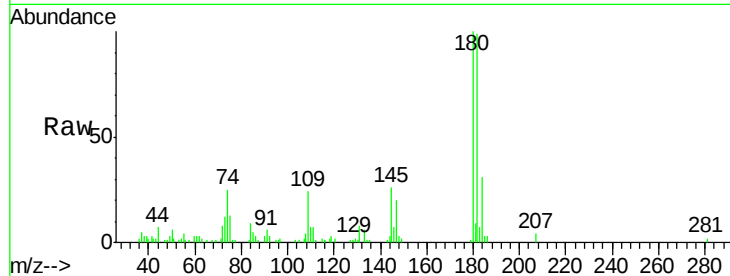




#93
 1,2,4-Trichlorobenzene
 Concen: 1.21 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

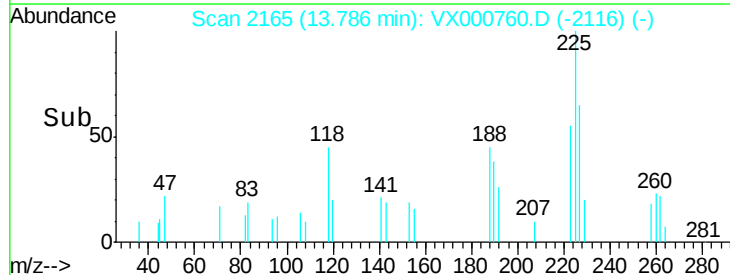
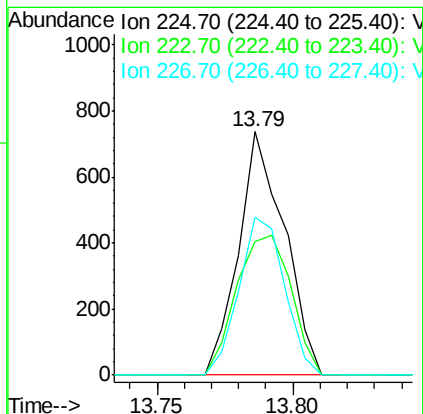
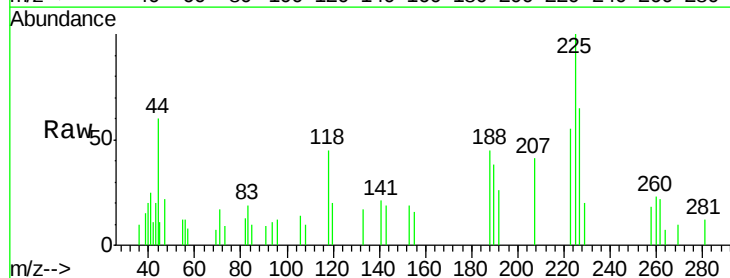
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-CUTTINGS

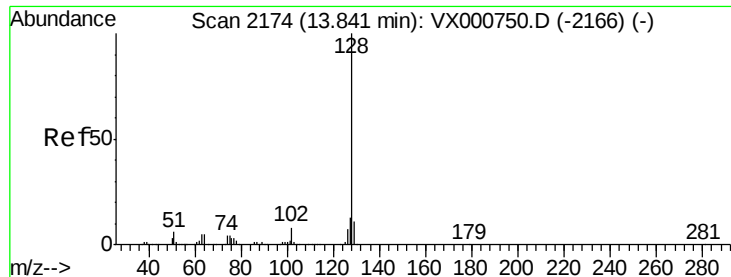
Tgt Ion:180 Resp: 7910
 Ion Ratio Lower Upper
 180 100
 182 101.8 47.5 142.5
 145 30.1 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 0.27 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000760.D
 Acq: 10 Apr 2018 20:45

Tgt Ion:225 Resp: 859
 Ion Ratio Lower Upper
 225 100
 223 68.7 31.2 93.6
 227 65.0 32.3 96.9





#95

Naphthalene

Concen: 30.89 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-CUTTINGS

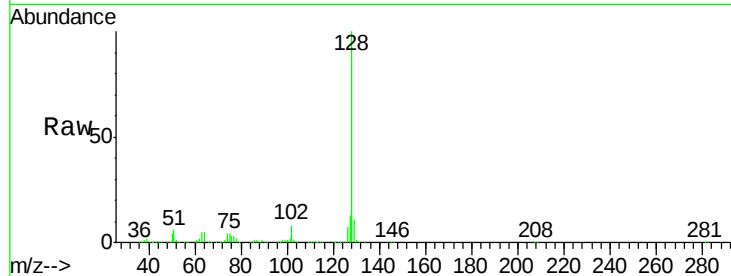
Tgt Ion:128 Resp: 519483

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

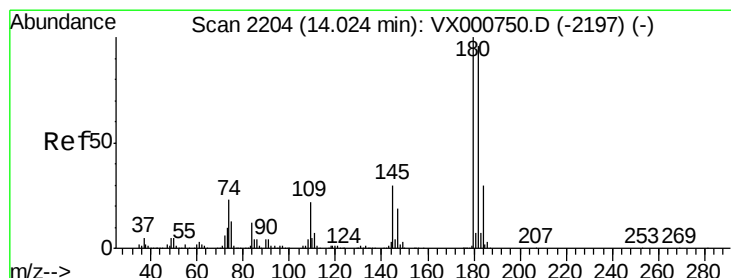
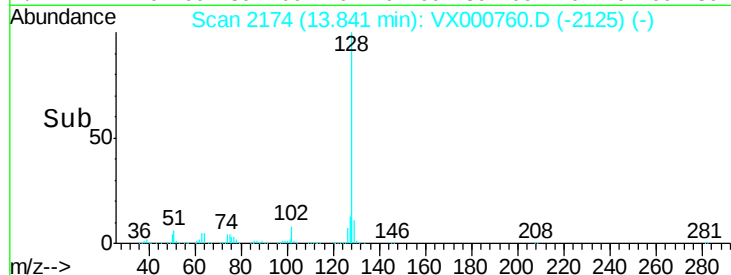
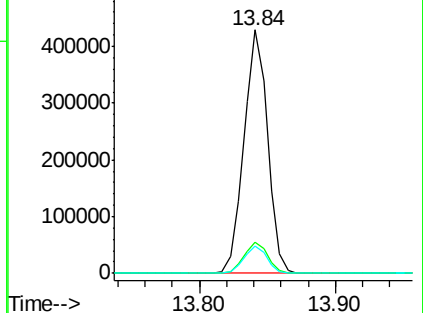
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 0.37 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX000760.D

Acq: 10 Apr 2018 20:45

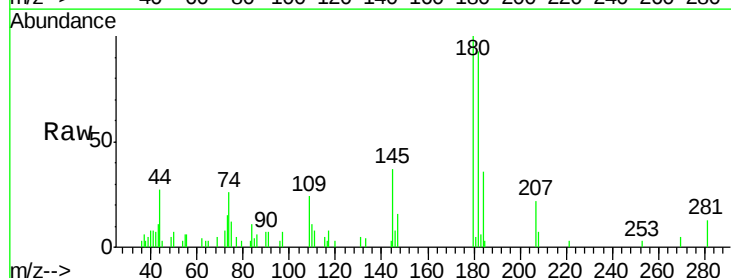
Tgt Ion:180 Resp: 2340

Ion Ratio Lower Upper

180 100

182 95.5 48.4 145.2

145 39.1 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

