

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010762.D
 Acq On : 09 Jul 2019 19:41
 Operator : JC/SP
 Sample : K3695-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-SAMPLE-1

Quant Time: Jul 10 04:45:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

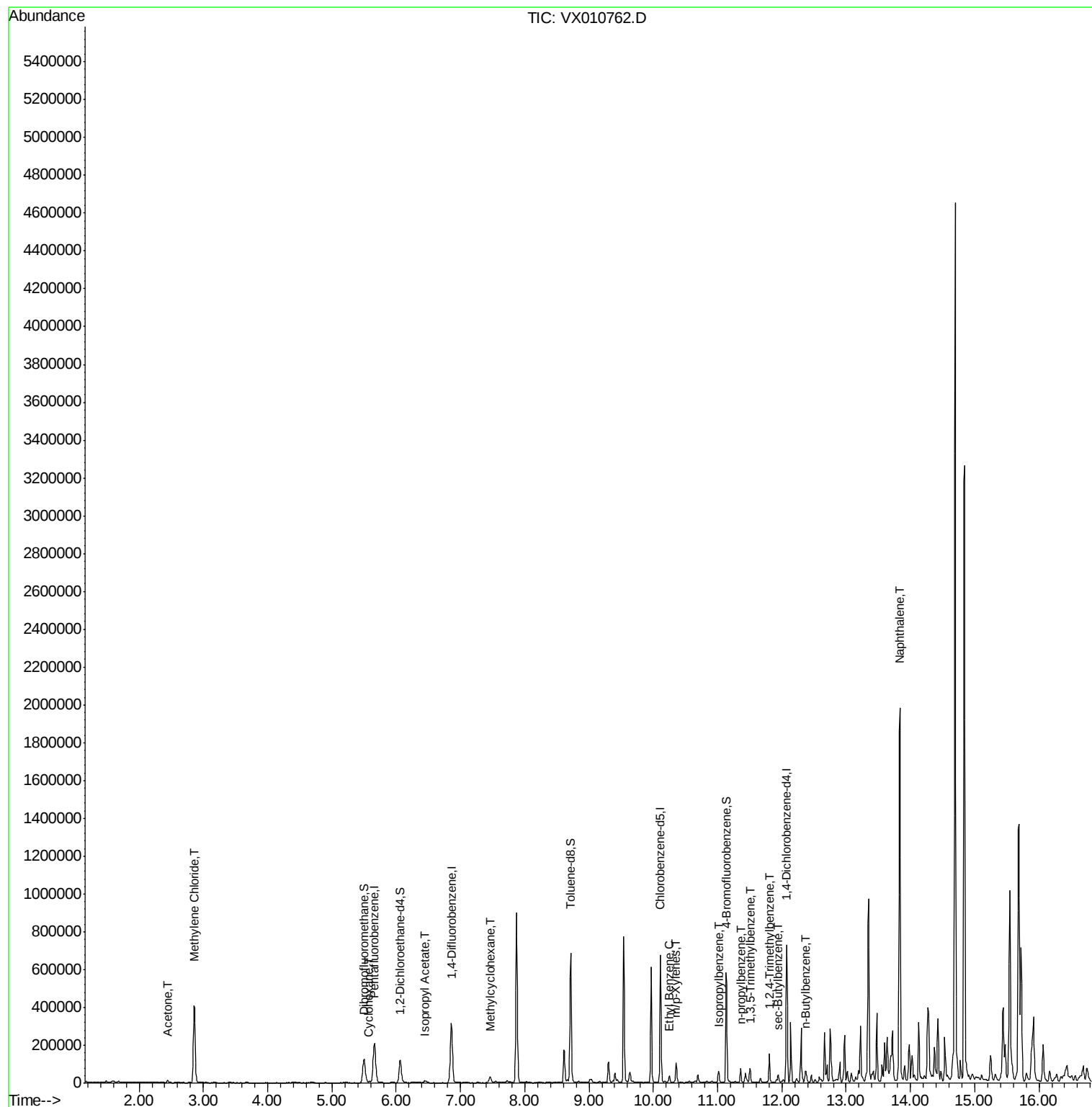
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	218388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159126	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	110161	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
35) Dibromofluoromethane	5.50	113	104601	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	8.71	98	410759	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.13	95	142234	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	13683	13.334	ug/l	100
20) Methylene Chloride	2.86	84	206997	98.017	ug/l	97
31) Cyclohexane	5.58	56	3574	1.208	ug/l	93
39) Methylcyclohexane	7.46	83	15401	4.353	ug/l	97
43) Isopropyl Acetate	6.45	43	10851	2.368	ug/l	95
67) Ethyl Benzene	10.25	91	19116	1.734	ug/l	99
68) m/p-Xylenes	10.35	106	25505	5.969	ug/l	99
73) Isopropylbenzene	11.02	105	31508	2.921	ug/l	97
78) n-propylbenzene	11.36	91	42953	3.623	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	32129	3.613	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	65310	7.310	ug/l	100
85) sec-Butylbenzene	11.94	105	21765	2.077	ug/l	88
89) n-Butylbenzene	12.38	91	15096	1.833	ug/l #	62
95) Naphthalene	13.83	128	1258121	112.979	ug/l	100

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

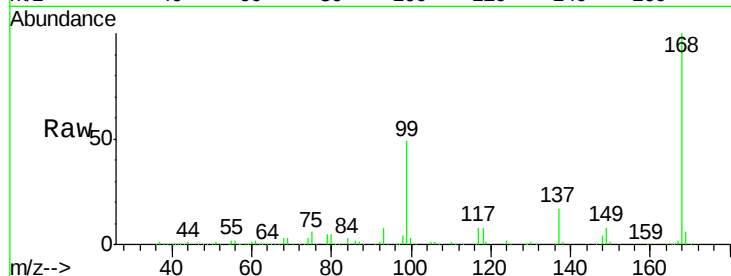
SOIL-SAMPLE-1

Tot Ion:168 Resp: 218388

Ion Ratio Lower Upper

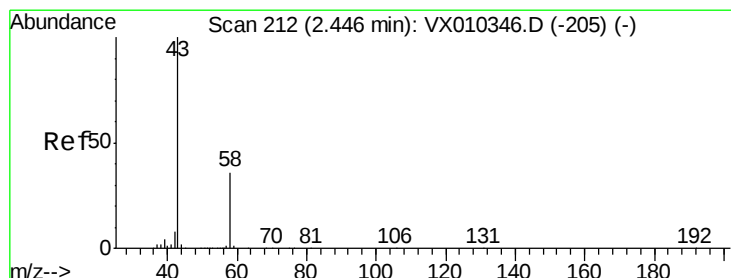
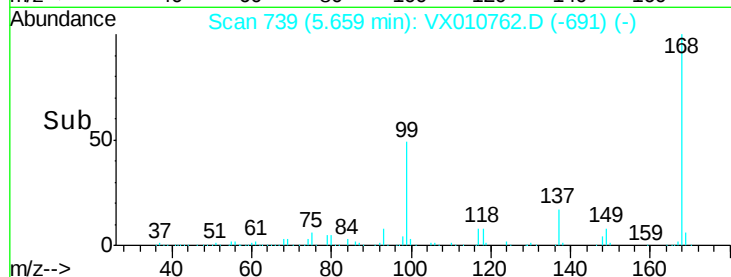
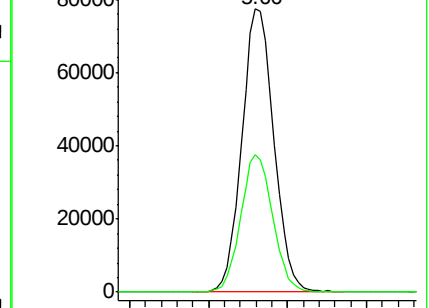
168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 13.334 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010762.D

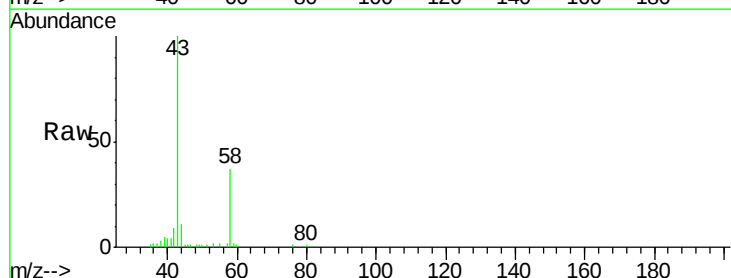
Acq: 09 Jul 2019 19:41

Tgt Ion: 43 Resp: 13683

Ion Ratio Lower Upper

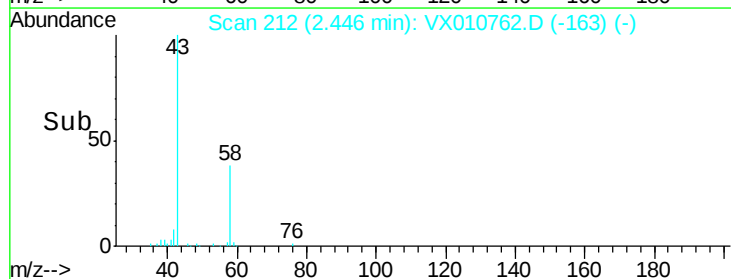
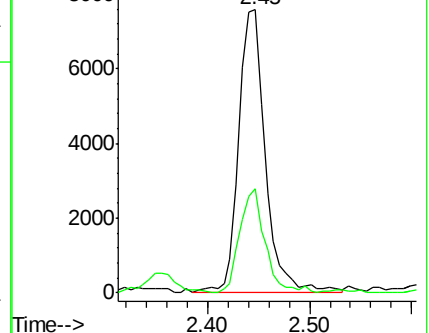
43 100

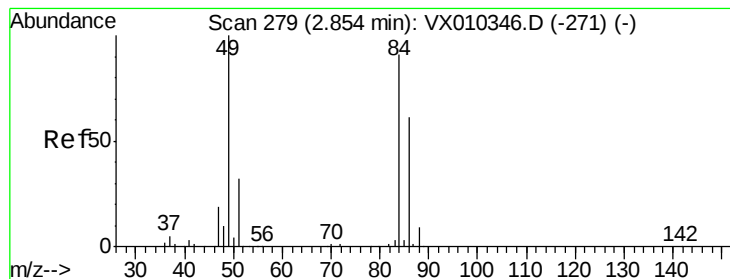
58 35.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 98.017 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampled :

SOIL-SAMPLE-1

Tot Ion: 84 Resp: 206997

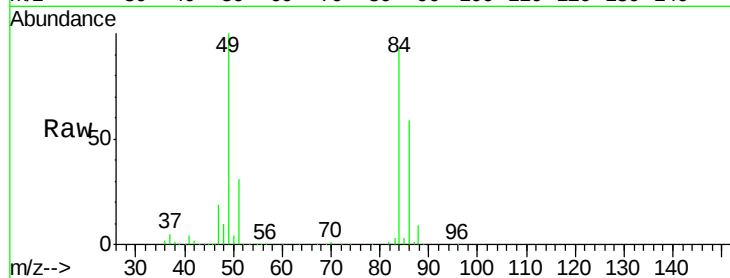
Ion Ratio Lower Upper

84 100

49 107.0 87.5 131.3

51 33.0 27.7 41.5

86 62.9 53.4 80.0

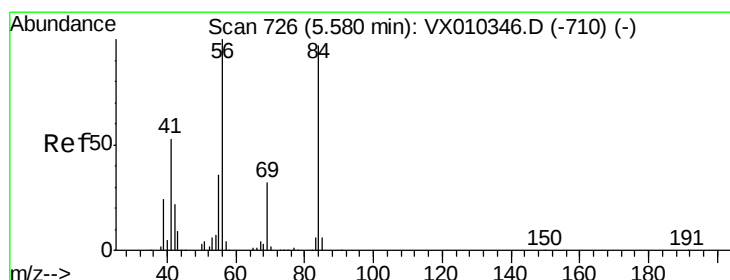
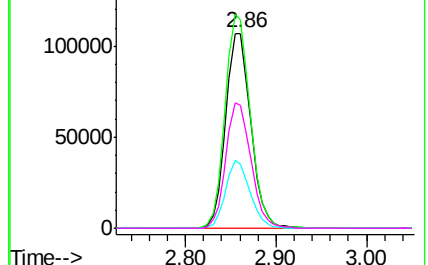
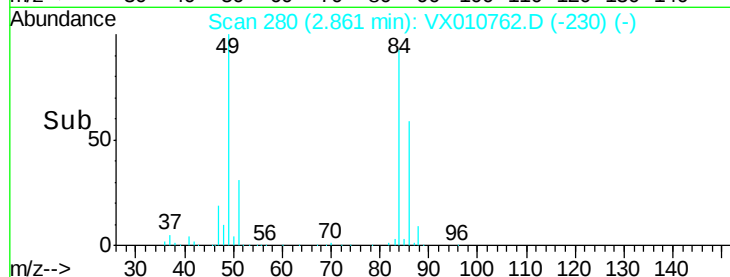


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

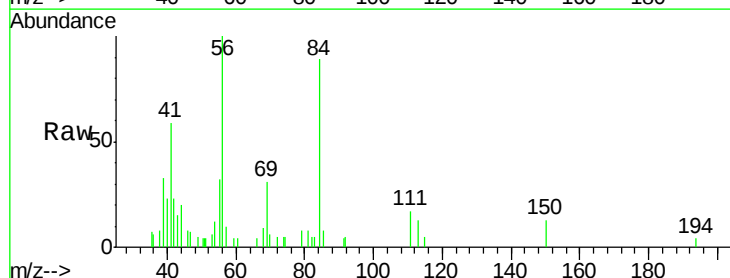
Tgt Ion: 56 Resp: 3574

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

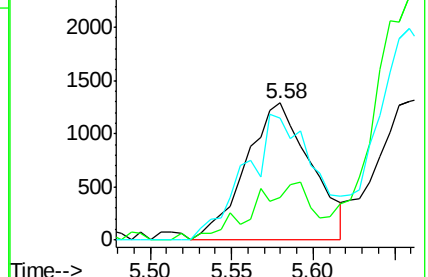
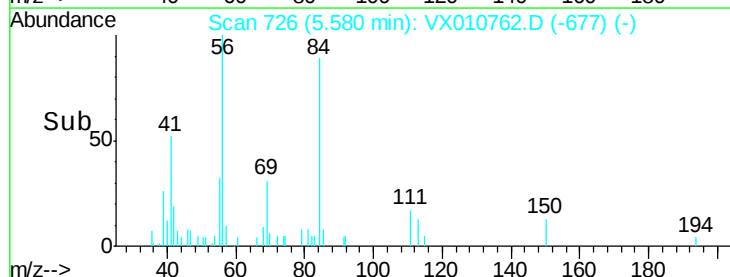
84 89.3 78.0 117.0

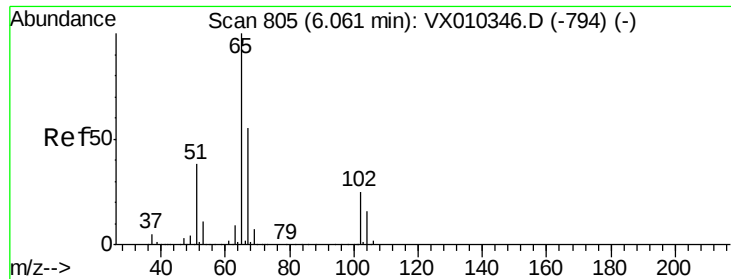


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.800 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

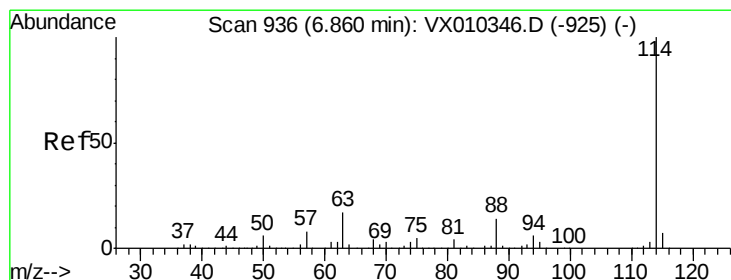
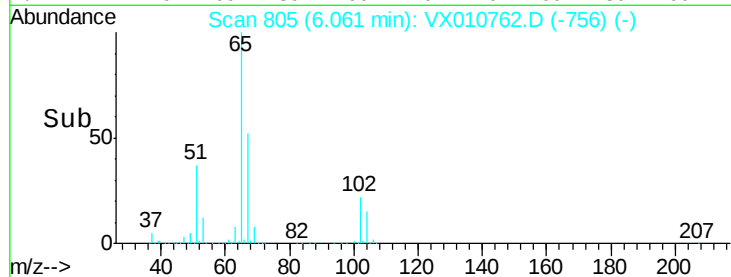
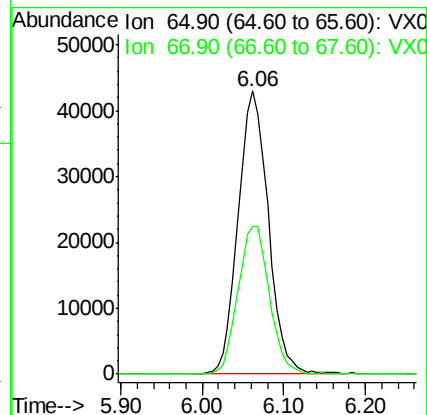
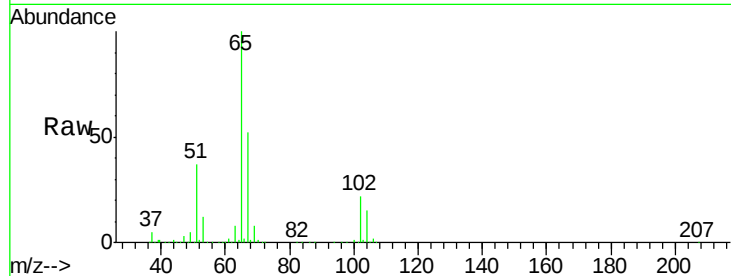
SOIL-SAMPLE-1

Tot Ion: 65 Resp: 110161

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

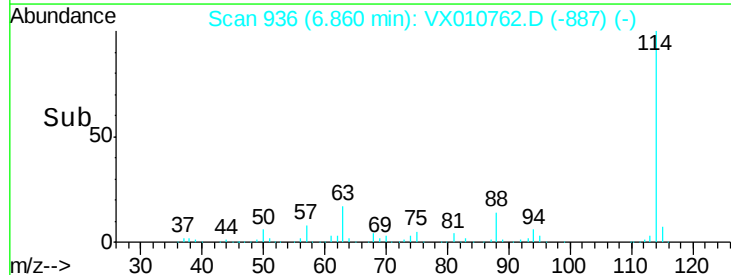
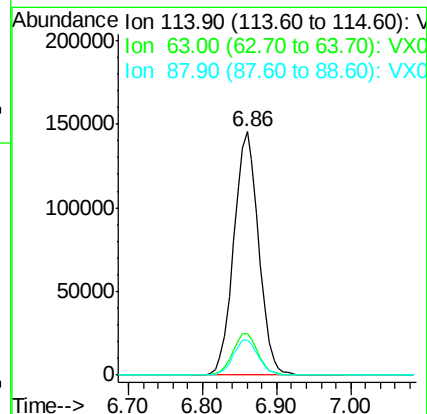
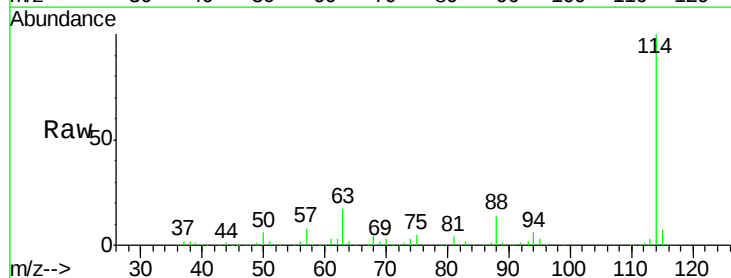
Tgt Ion: 114 Resp: 338750

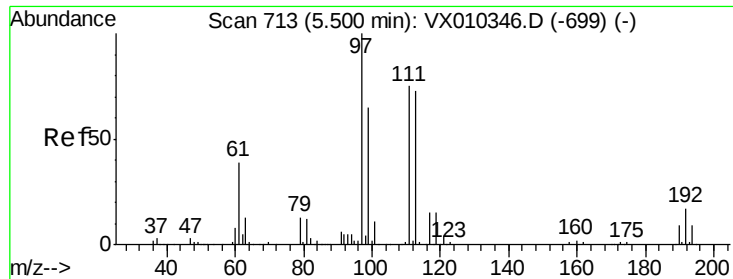
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

88 14.5 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.469 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-1

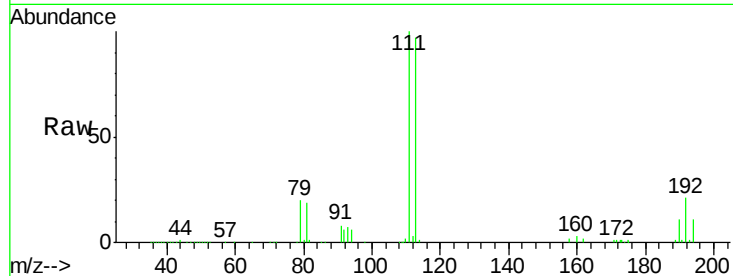
Tot Ion:113 Resp: 104601

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

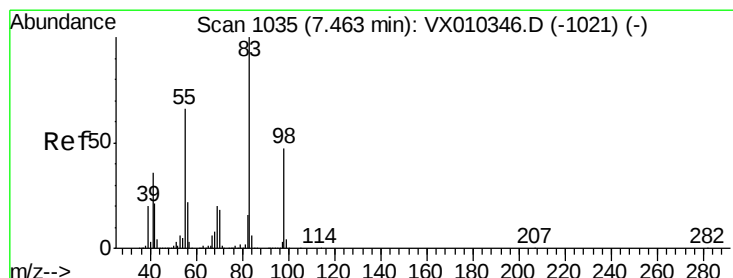
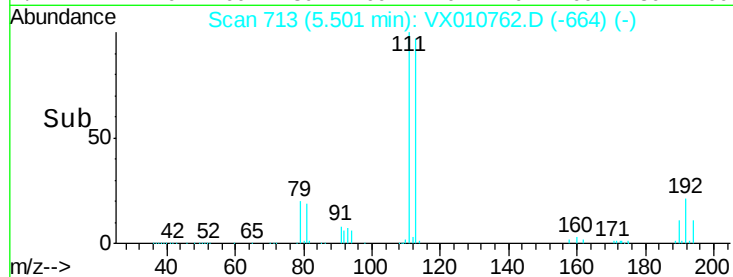
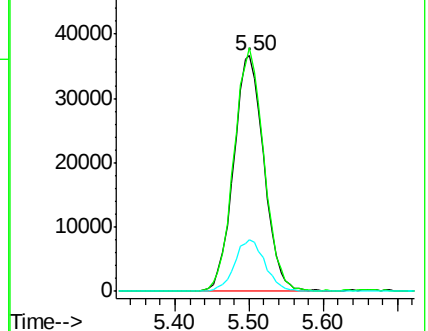
192 21.9 18.6 27.8



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



#39

Methylcyclohexane

Concen: 4.353 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

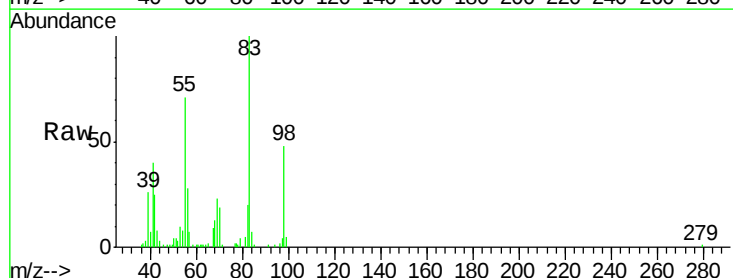
Tgt Ion: 83 Resp: 15401

Ion Ratio Lower Upper

83 100

55 69.8 53.0 79.6

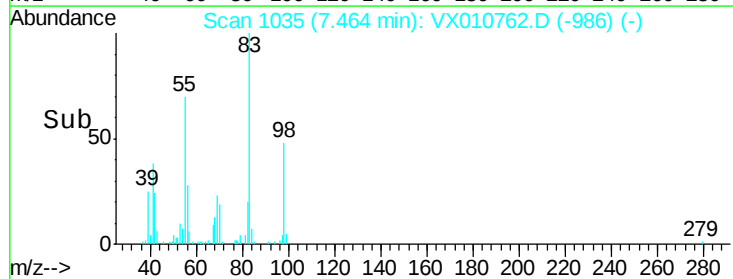
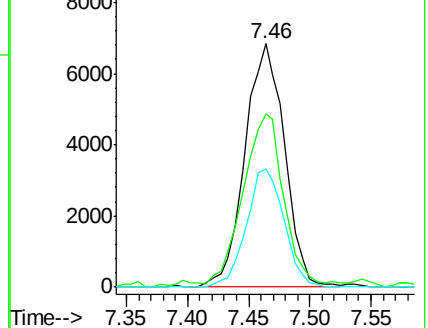
98 48.3 37.8 56.8

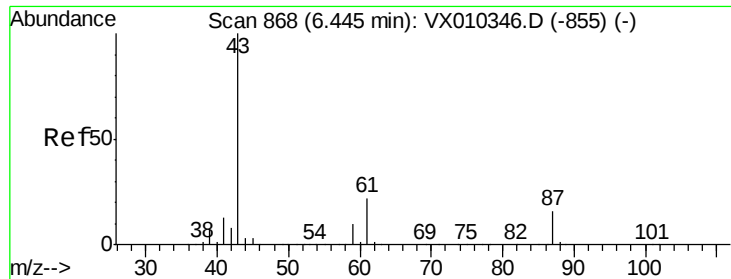


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#43

Isopropyl Acetate

Concen: 2.368 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-1

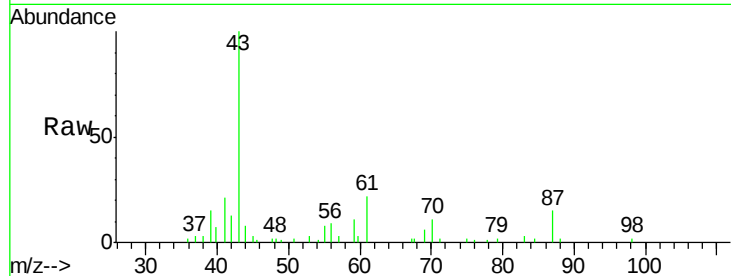
Tot Ion: 43 Resp: 10851

Ion Ratio Lower Upper

43 100

61 24.5 17.8 26.6

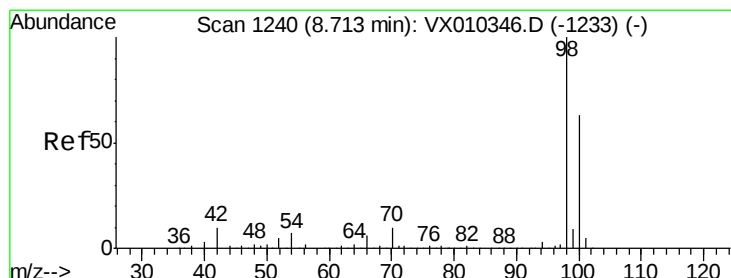
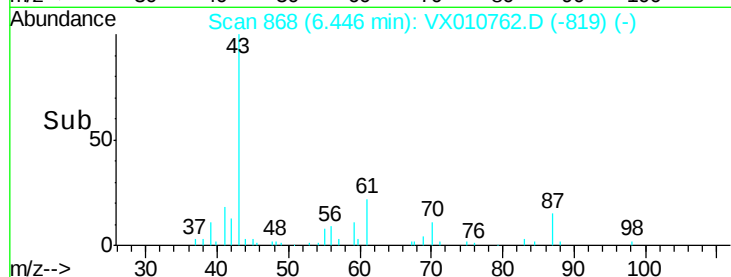
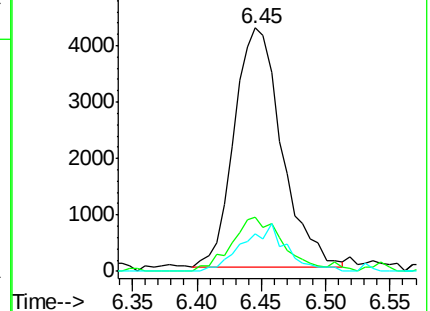
87 18.2 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 51.802 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010762.D

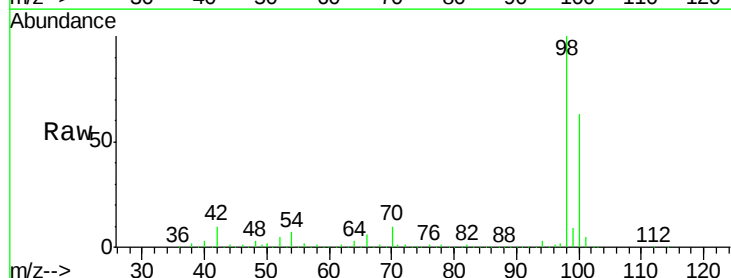
Acq: 09 Jul 2019 19:41

Tgt Ion: 98 Resp: 410759

Ion Ratio Lower Upper

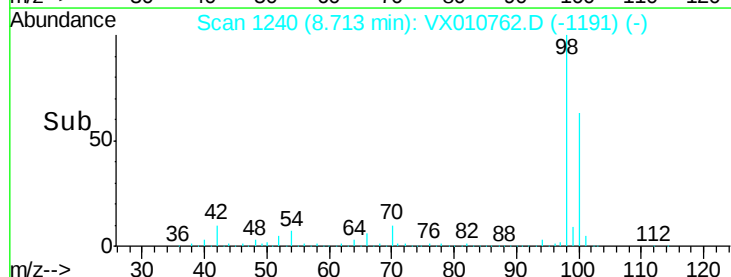
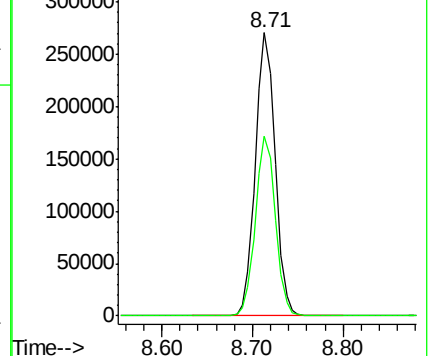
98 100

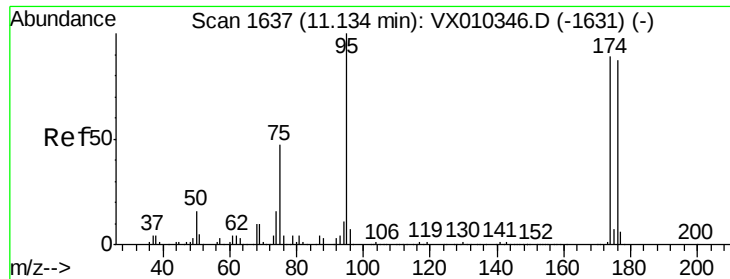
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

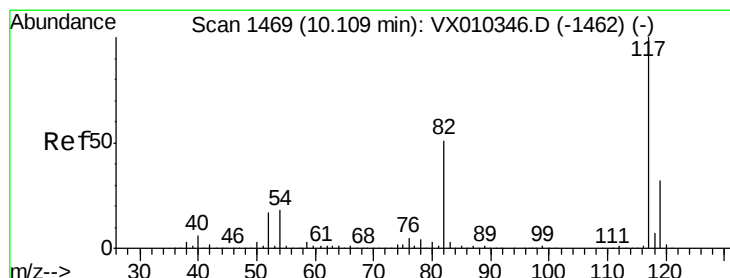
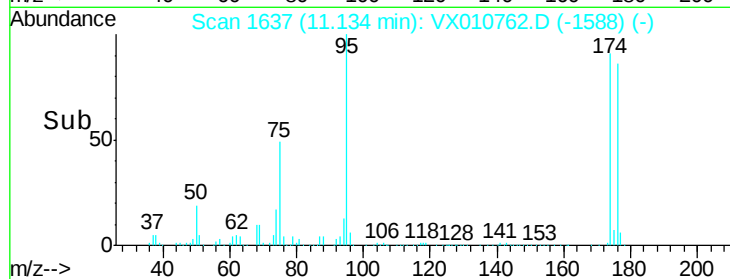
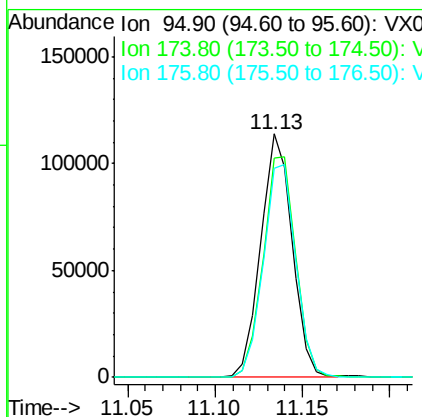
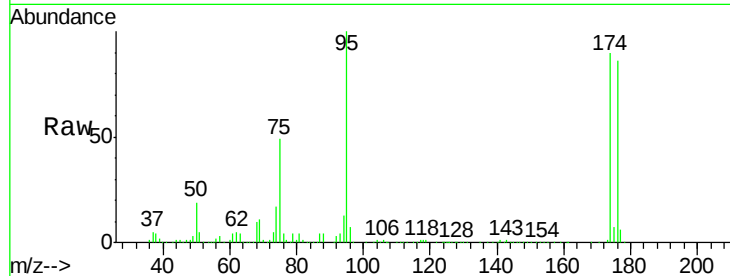




#62
4-Bromofluorobenzene
Concen: 49.685 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

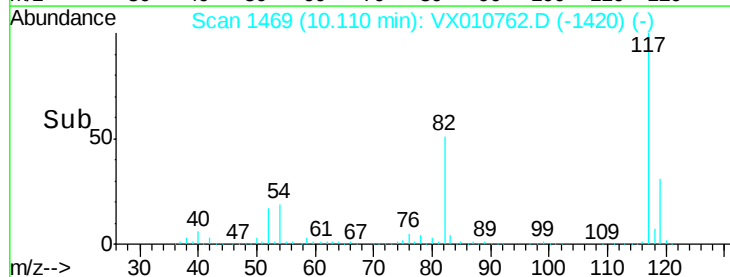
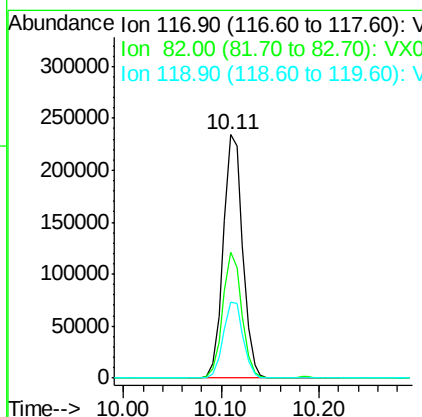
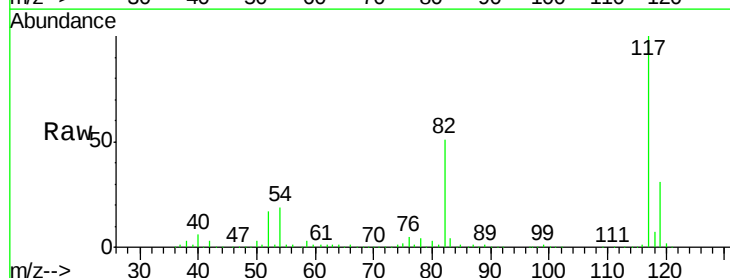
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-1

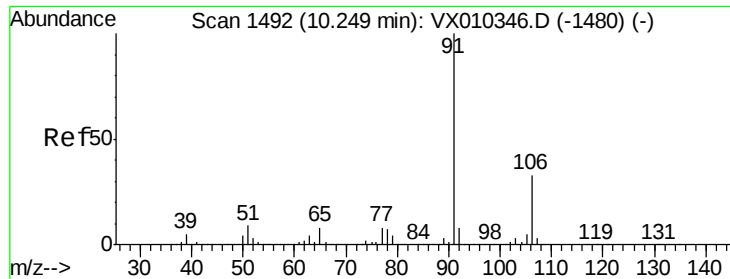
Tot Ion: 95 Resp: 142234
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.6
176 90.9 0.0 184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

Tgt Ion: 117 Resp: 321735
Ion Ratio Lower Upper
117 100
82 51.4 41.2 61.8
119 31.4 25.5 38.3

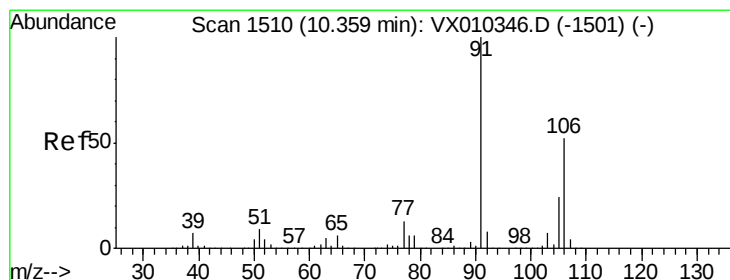
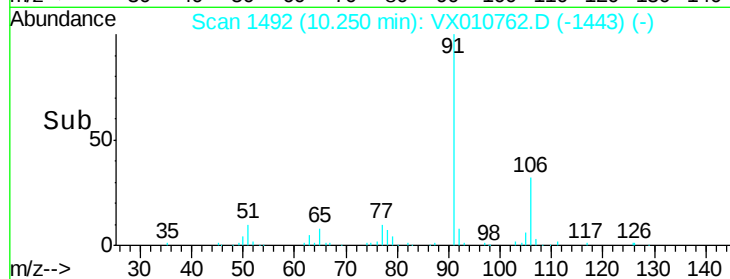
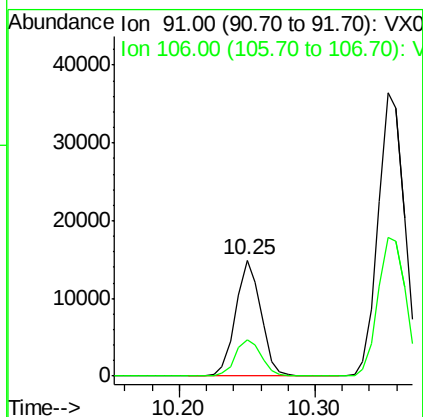
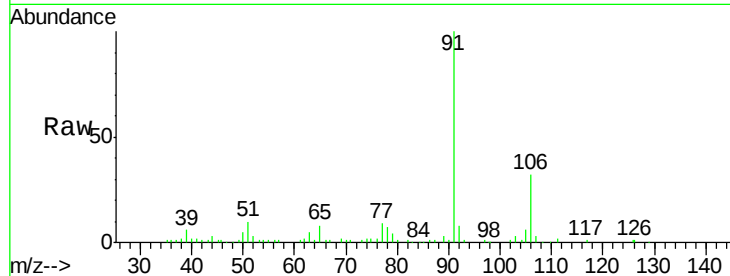




#67
Ethyl Benzene
Concen: 1.734 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

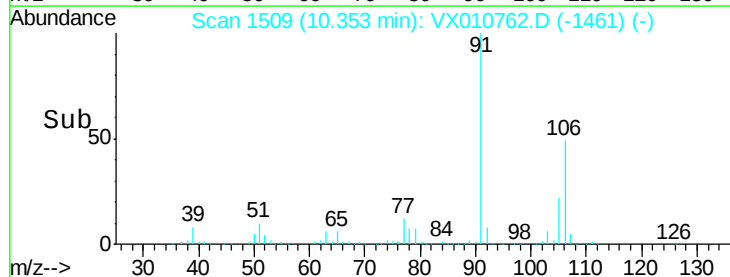
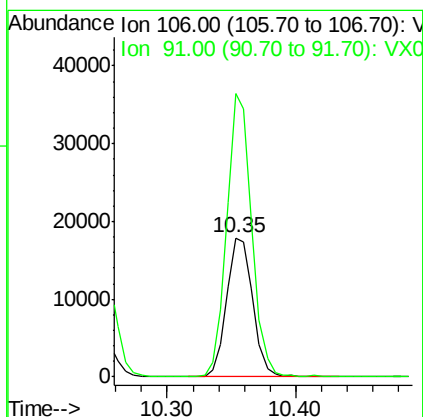
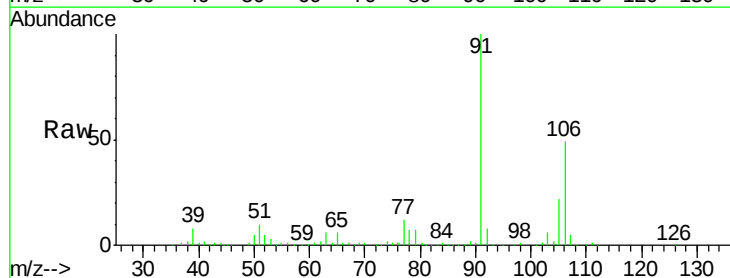
Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-1

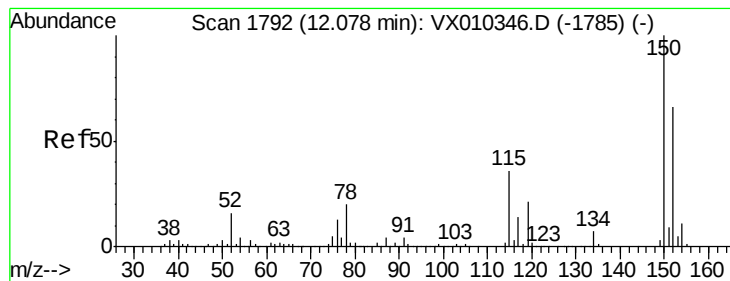
Tot Ion: 91 Resp: 19116
Ion Ratio Lower Upper
91 100
106 31.9 26.2 39.2



#68
m/p-Xylenes
Concen: 5.969 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

Tgt Ion: 106 Resp: 25505
Ion Ratio Lower Upper
106 100
91 193.0 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

SOIL-SAMPLE-1

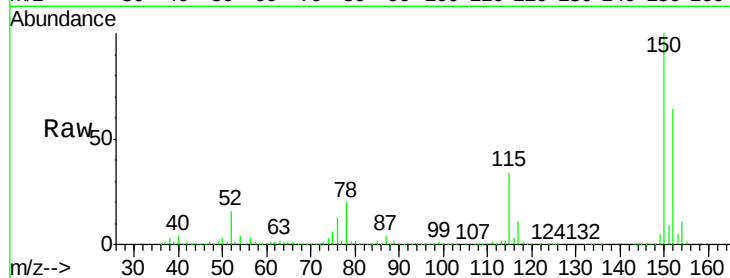
Tot Ion:152 Resp: 159126

Ion Ratio Lower Upper

152 100

115 54.0 38.6 115.7

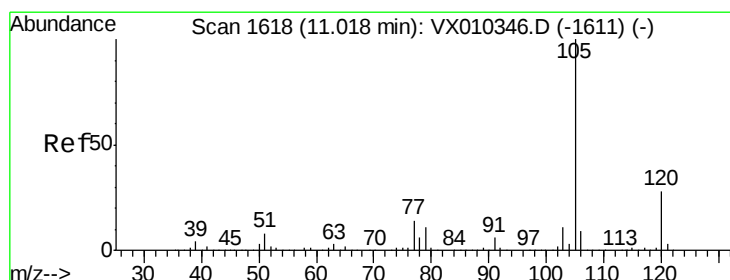
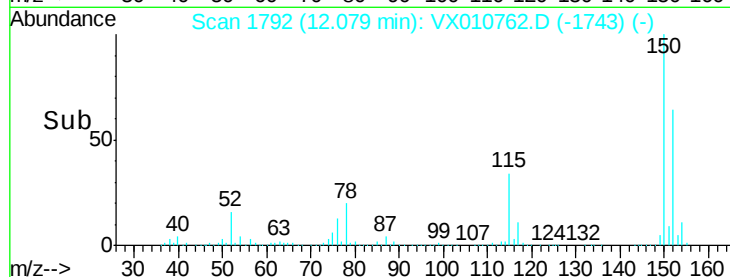
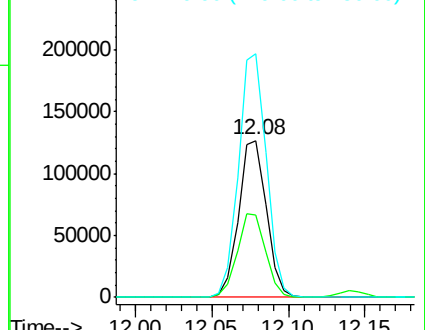
150 155.8 0.0 347.4



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



#73

Isopropylbenzene

Concen: 2.921 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010762.D

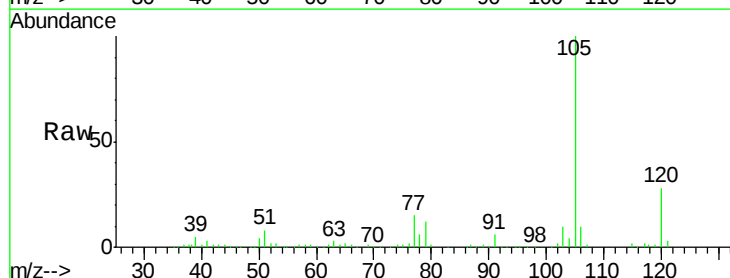
Acq: 09 Jul 2019 19:41

Tgt Ion:105 Resp: 31508

Ion Ratio Lower Upper

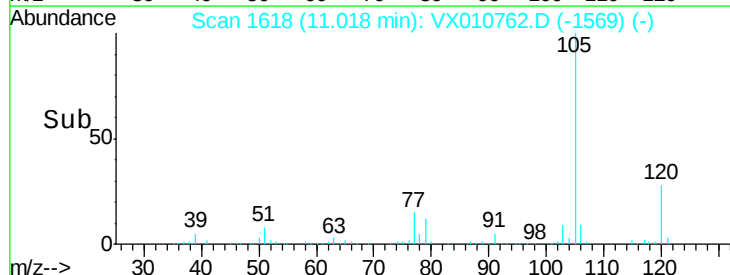
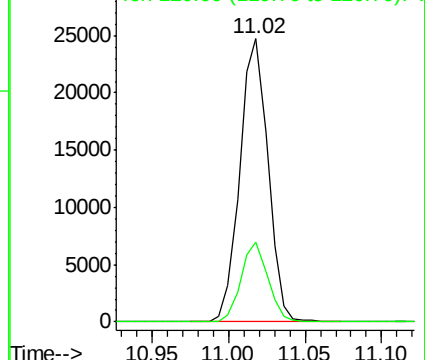
105 100

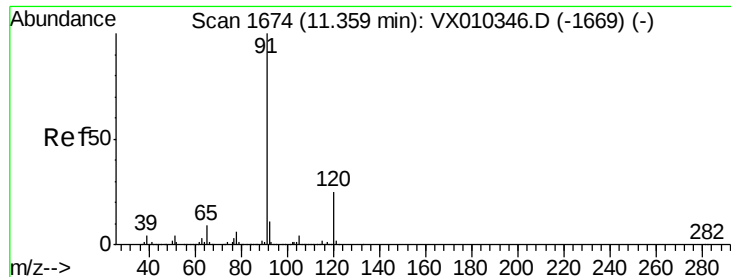
120 26.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.623 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

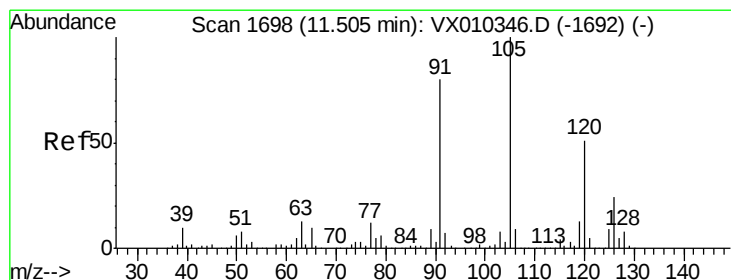
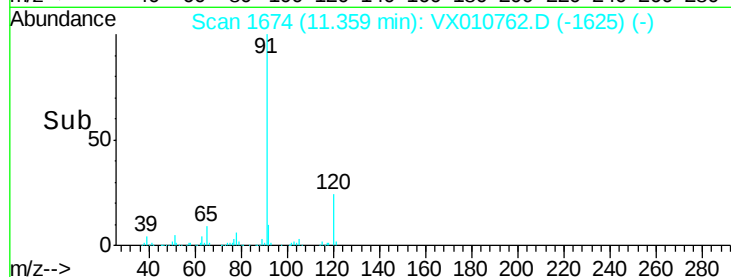
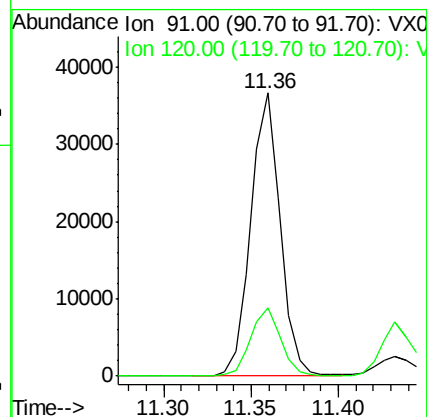
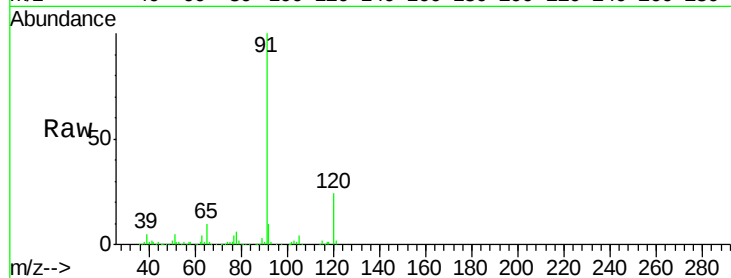
SOIL-SAMPLE-1

Tot Ion: 91 Resp: 42953

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 3.613 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010762.D

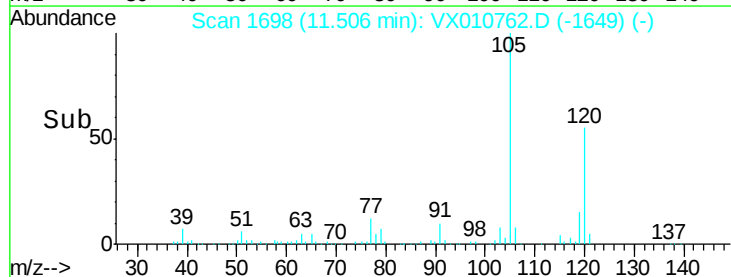
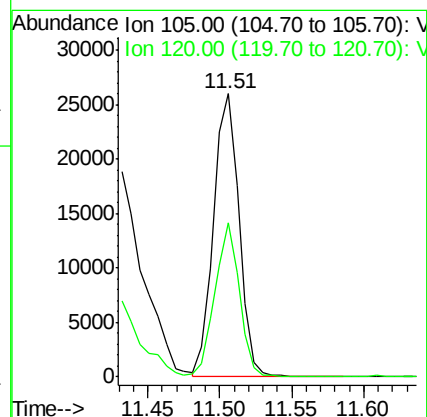
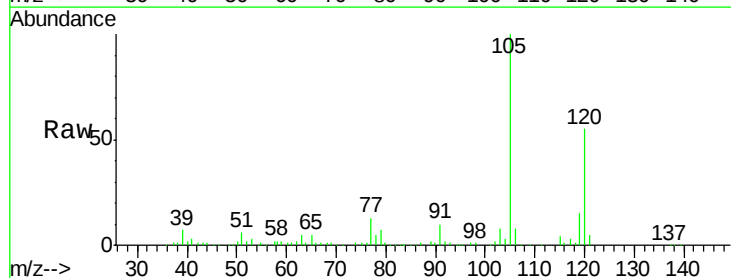
Acq: 09 Jul 2019 19:41

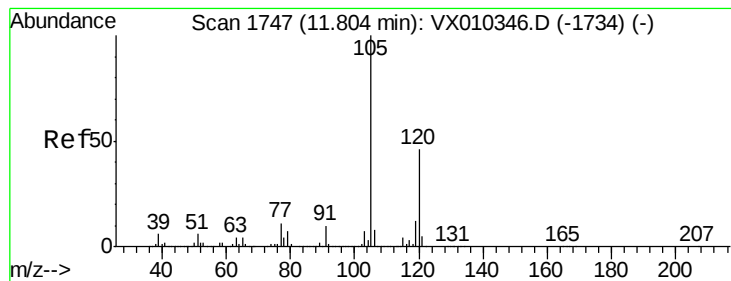
Tgt Ion: 105 Resp: 32129

Ion Ratio Lower Upper

105 100

120 52.4 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 7.310 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010762.D

Acq: 09 Jul 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

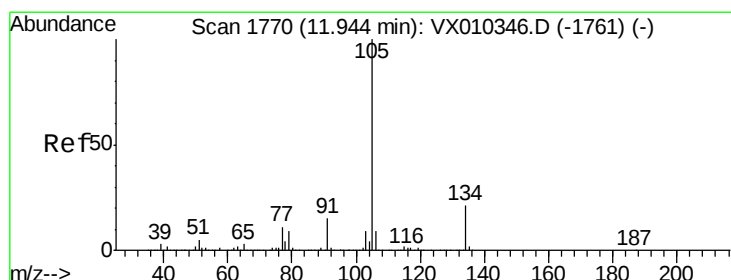
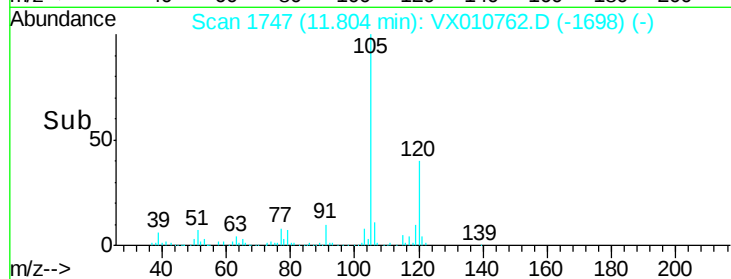
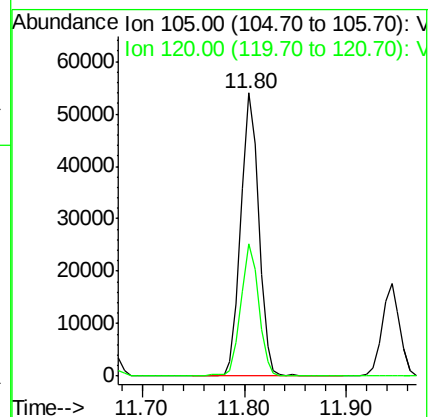
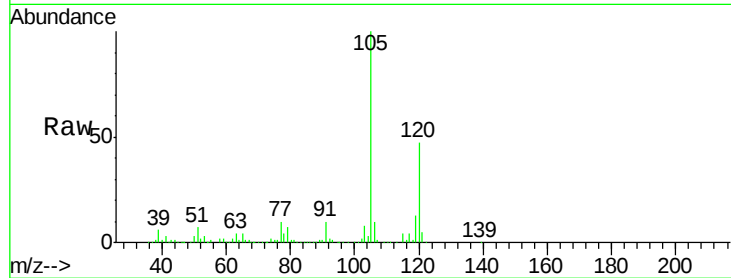
SOIL-SAMPLE-1

Tot Ion:105 Resp: 65310

Ion Ratio Lower Upper

105 100

120 46.4 23.1 69.2



#85

sec-Butylbenzene

Concen: 2.077 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010762.D

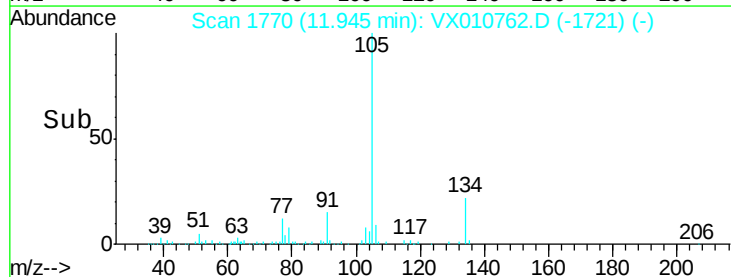
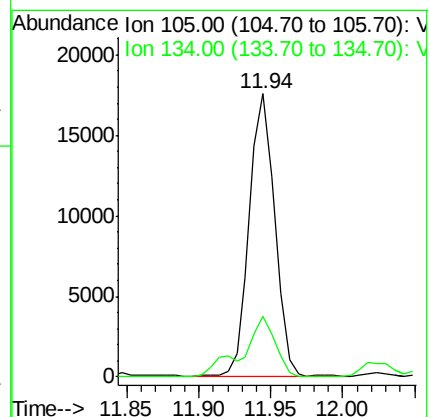
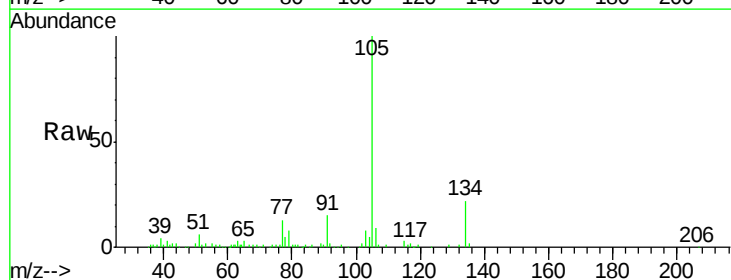
Acq: 09 Jul 2019 19:41

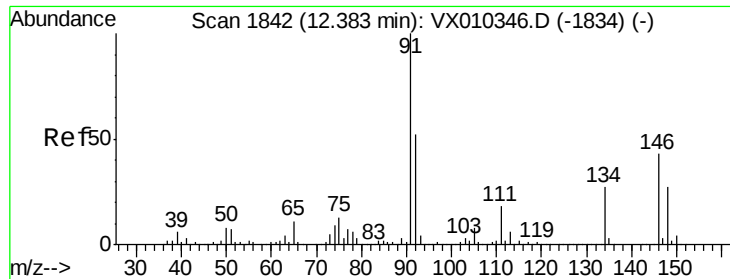
Tgt Ion:105 Resp: 21765

Ion Ratio Lower Upper

105 100

134 27.1 10.7 31.9

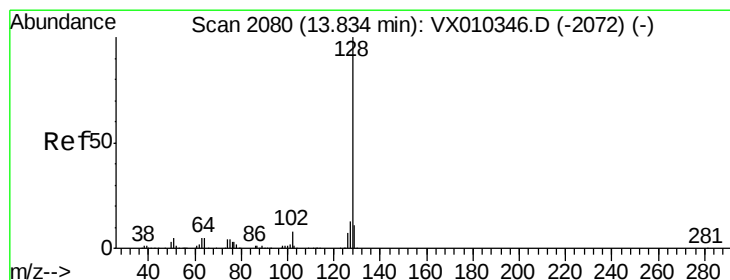
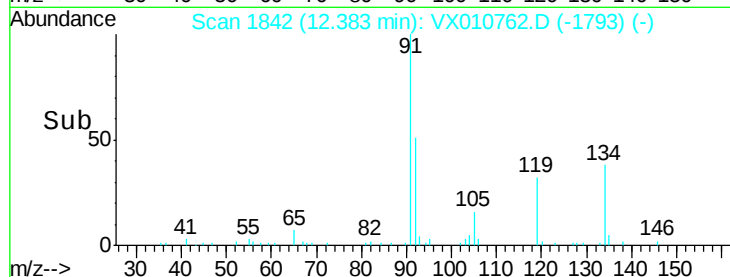
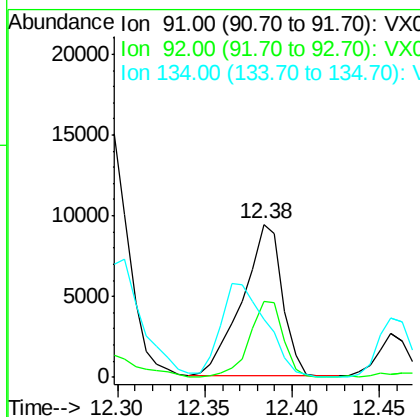
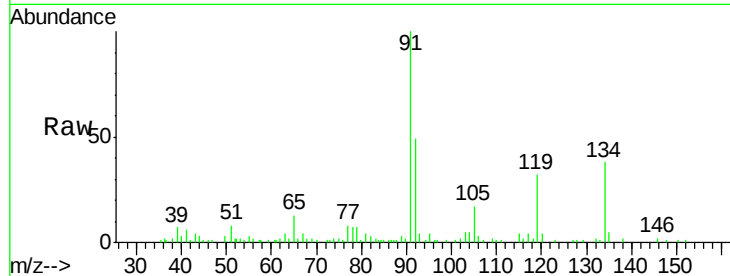




#89
n-Butylbenzene
Concen: 1.833 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
SOIL-SAMPLE-1

Tot Ion: 91 Resp: 15096
Ion Ratio Lower Upper
91 100
92 42.2 26.2 78.5
134 70.8 14.1 42.4#



#95
Naphthalene
Concen: 112.979 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010762.D
Acq: 09 Jul 2019 19:41

Tgt Ion: 128 Resp: 1258121
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.2 8.9 13.3

