

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003386.D
 Acq On : 14 Jul 2018 02:26
 Operator : JC/MD
 Sample : J3542-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-1

Quant Time: Jul 14 03:53:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 17:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207391	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	178011	60.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.28%	
35) Dibromofluoromethane	5.51	113	152346	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
50) Toluene-d8	8.72	98	581527	59.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.56%	
62) 4-Bromofluorobenzene	11.14	95	209473	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	

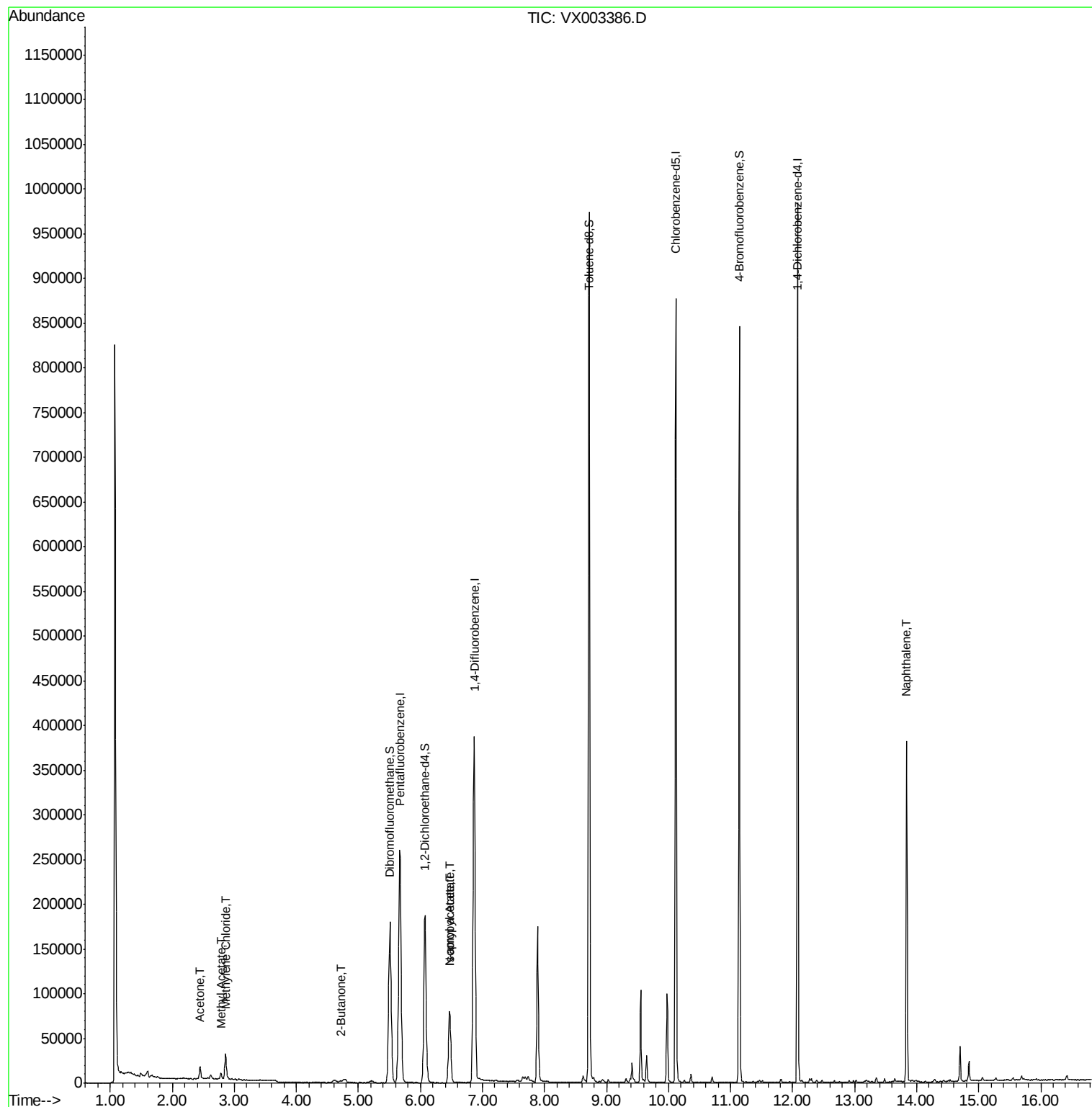
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	15210	10.05	ug/l	# 86
18) Methyl Acetate	2.78	43	8525	1.81	ug/l	93
20) Methylene Chloride	2.85	84	13235	2.87	ug/l	94
25) 2-Butanone	4.71	43	3179	1.36	ug/l	99
43) Isopropyl Acetate	6.47	43	108865	14.73	ug/l	96
74) N-amyl acetate	6.47	43	108865	16.38	ug/l	# 96
95) Naphthalene	13.83	128	239250	16.48	ug/l	100

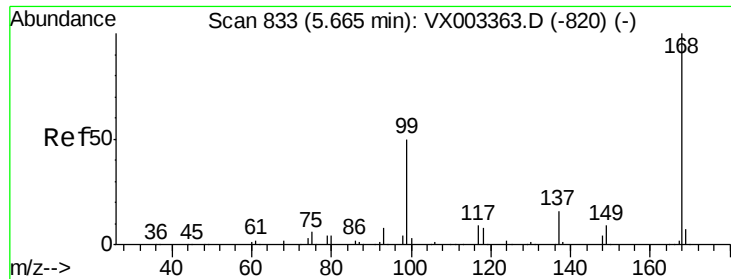
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071318\
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Quant Time: Jul 14 03:53:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 13 17:01:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampleId :

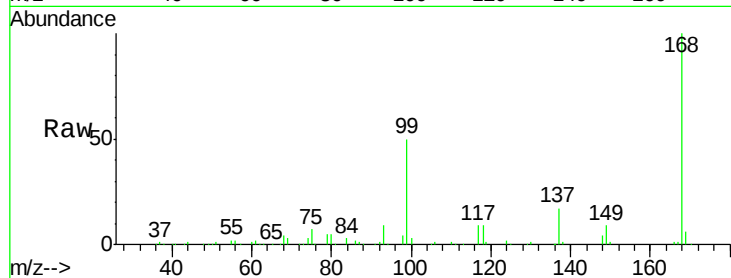
LS-SOIL-1

Tot Ion:168 Resp: 269607

Ion Ratio Lower Upper

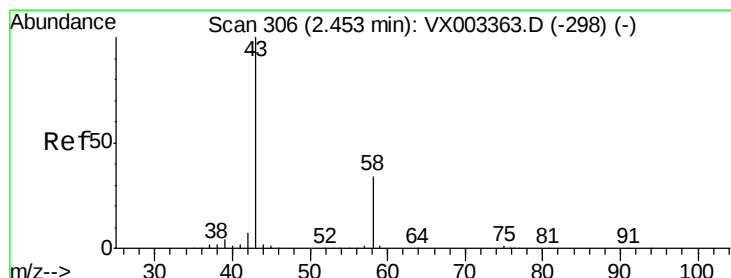
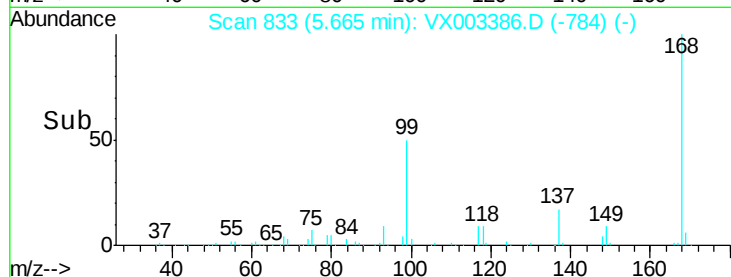
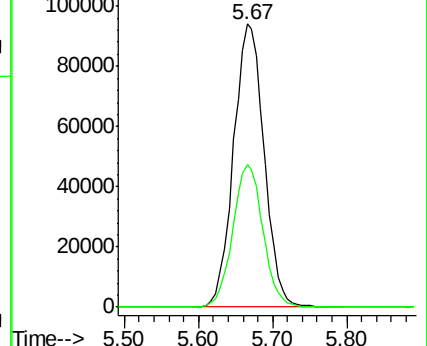
168 100

99 50.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 10.05 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003386.D

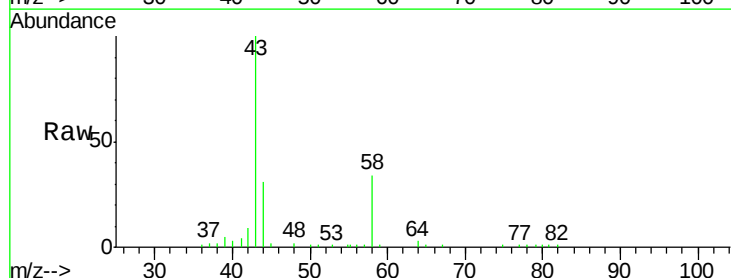
Acq: 14 Jul 2018 02:26

Tgt Ion: 43 Resp: 15210

Ion Ratio Lower Upper

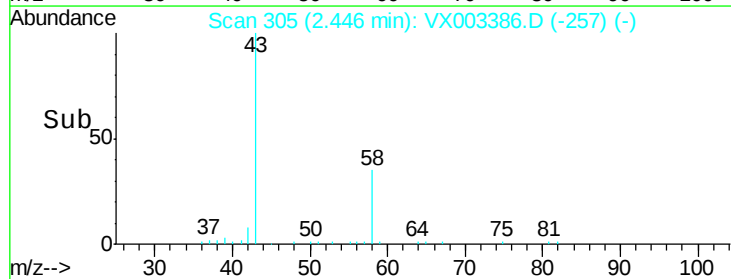
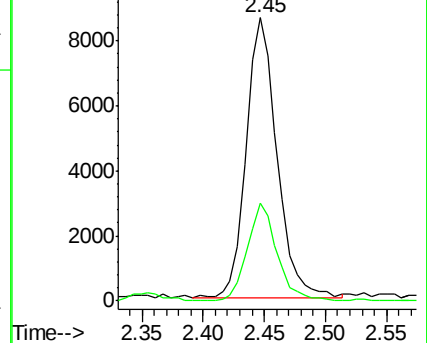
43 100

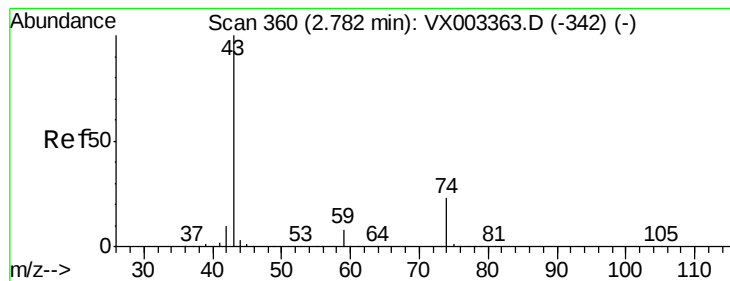
58 34.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 1.81 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampleId :

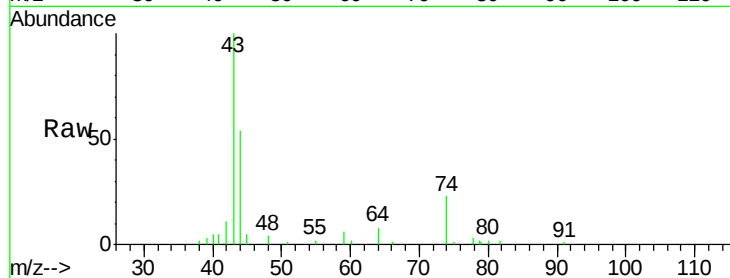
LS-SOIL-1

Tot Ion: 43 Resp: 8525

Ion Ratio Lower Upper

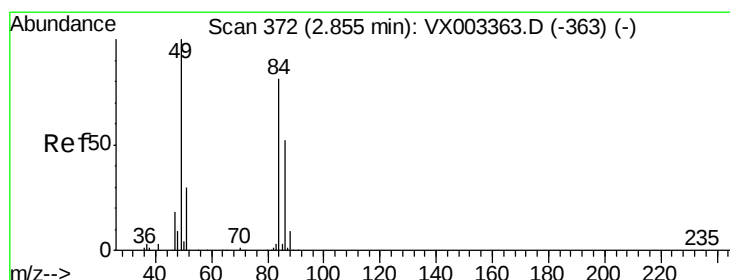
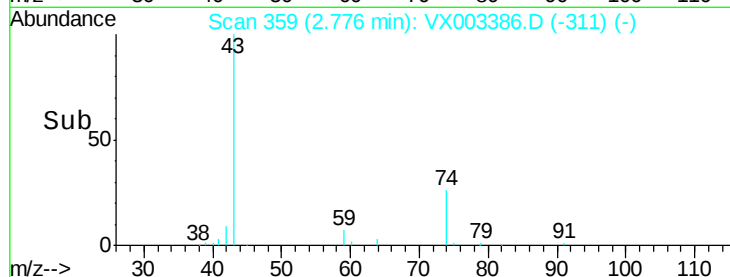
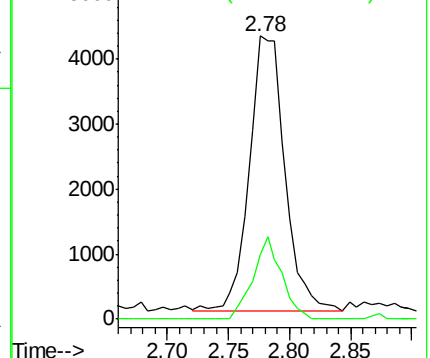
43 100

74 24.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 2.87 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Tgt Ion: 84 Resp: 13235

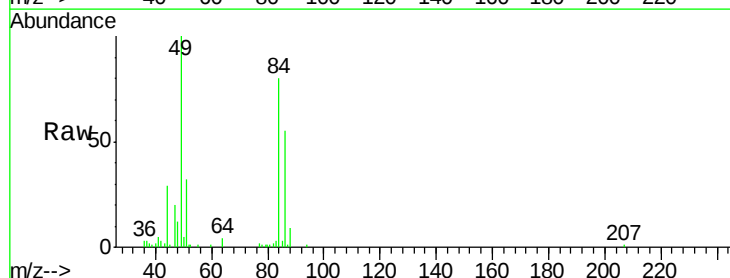
Ion Ratio Lower Upper

84 100

49 124.2 107.8 161.6

51 40.0 32.8 49.2

86 67.7 52.5 78.7

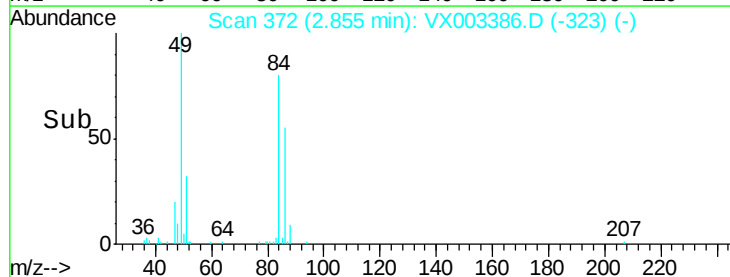
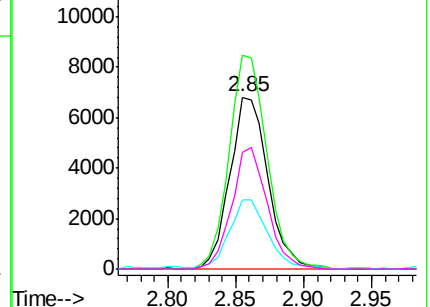


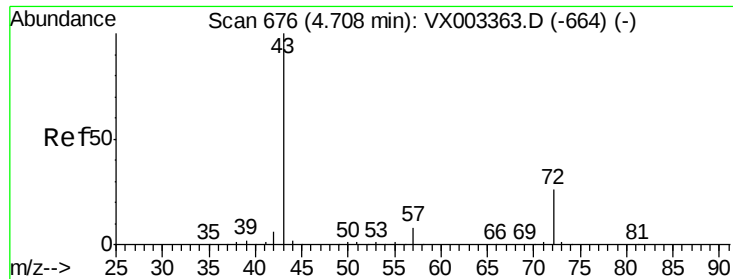
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.36 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampleId :

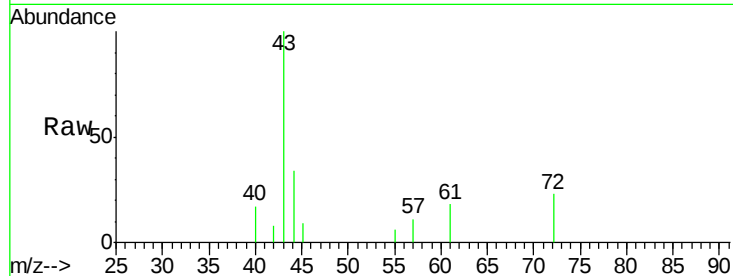
LS-SOIL-1

Tot Ion: 43 Resp: 3179

Ion Ratio Lower Upper

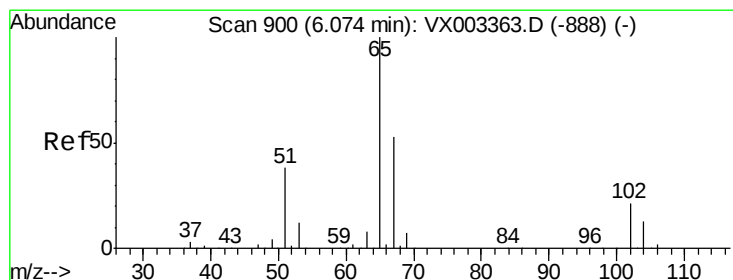
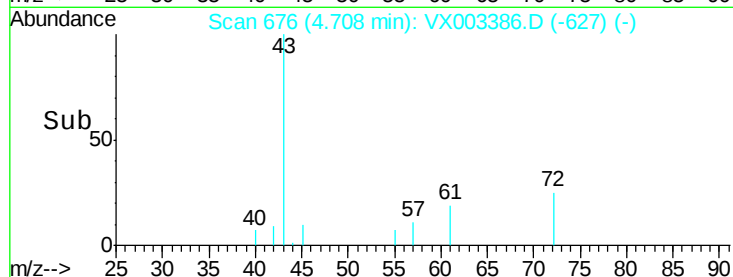
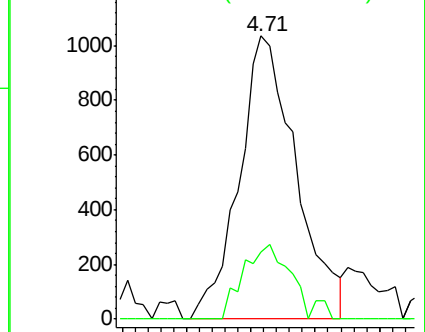
43 100

72 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 60.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003386.D

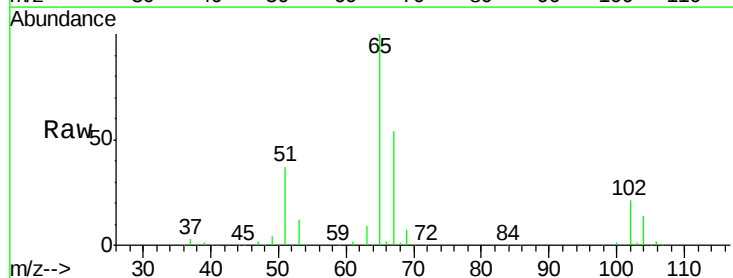
Acq: 14 Jul 2018 02:26

Tgt Ion: 65 Resp: 178011

Ion Ratio Lower Upper

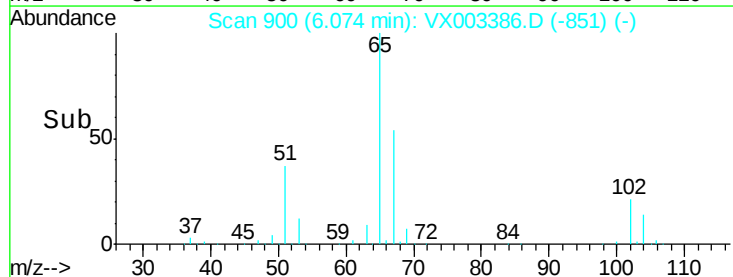
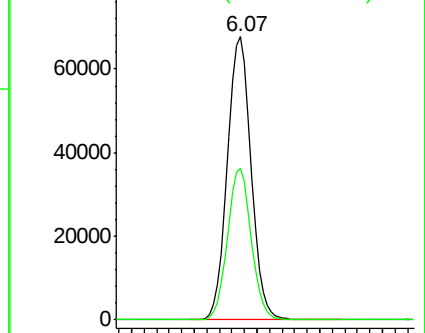
65 100

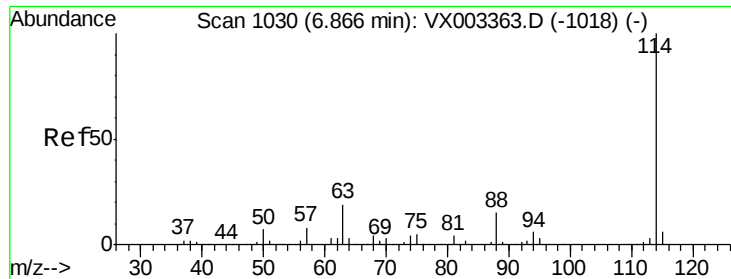
67 53.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

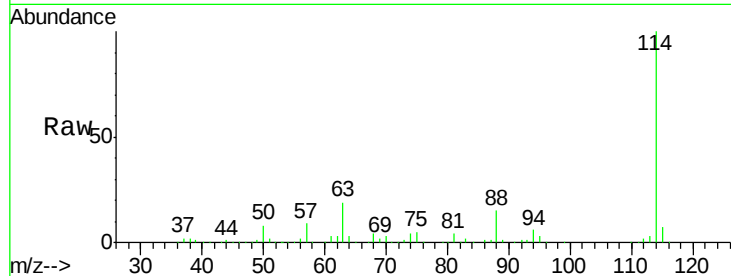




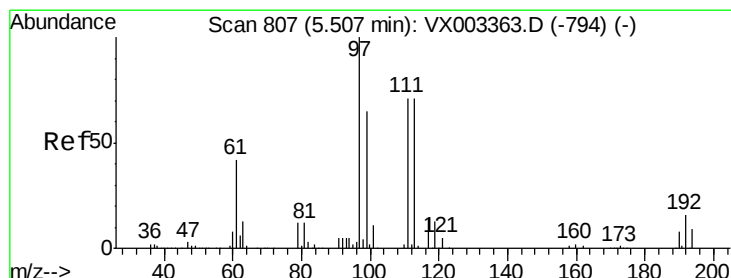
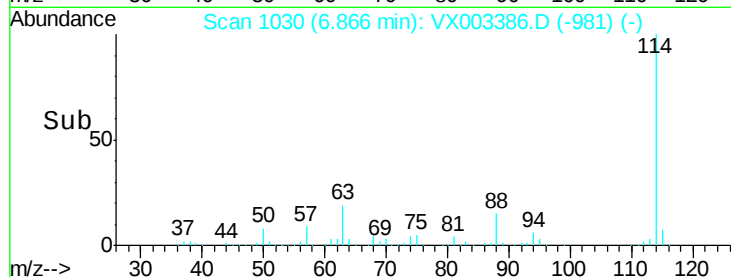
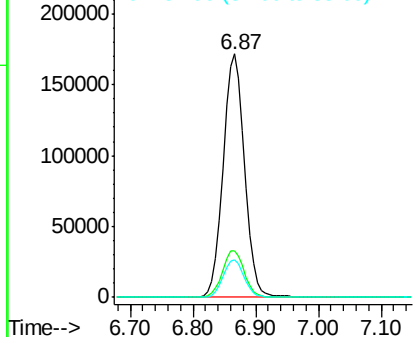
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003386.D
 Acq: 14 Jul 2018 02:26

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-1

Tot Ion:114 Resp: 405180
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.2 0.0 30.0

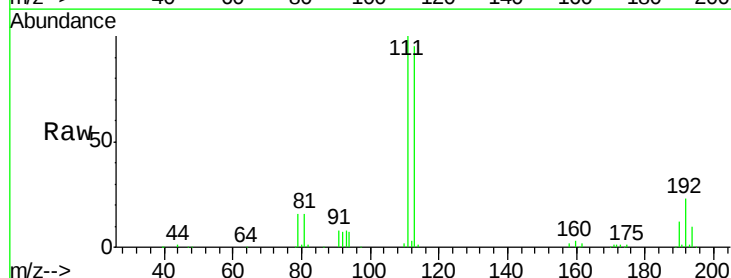


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

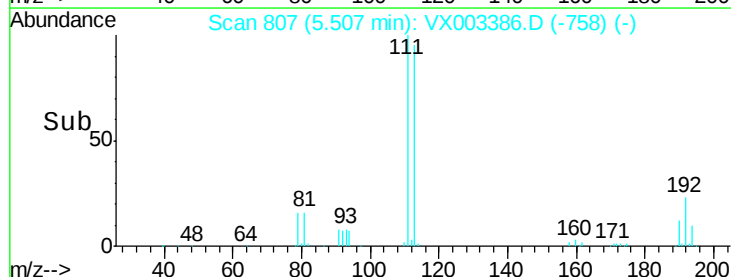
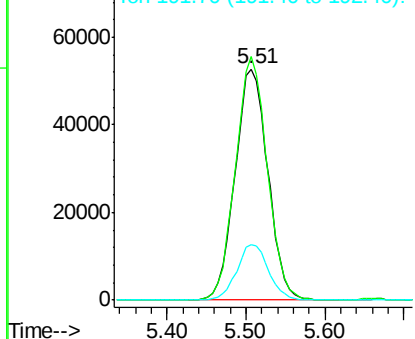


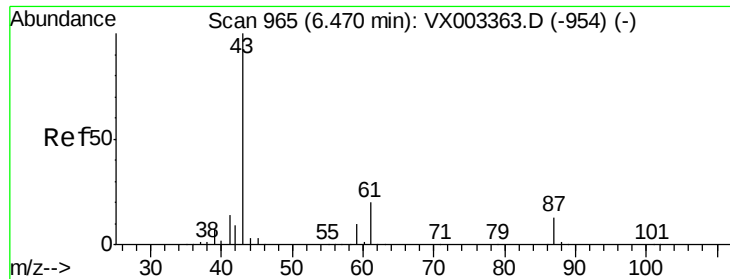
#35
 Dibromofluoromethane
 Concen: 51.09 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003386.D
 Acq: 14 Jul 2018 02:26

Tgt Ion:113 Resp: 152346
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 23.3 19.1 28.7



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





#43

Isopropyl Acetate

Concen: 14.73 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampled :

LS-SOIL-1

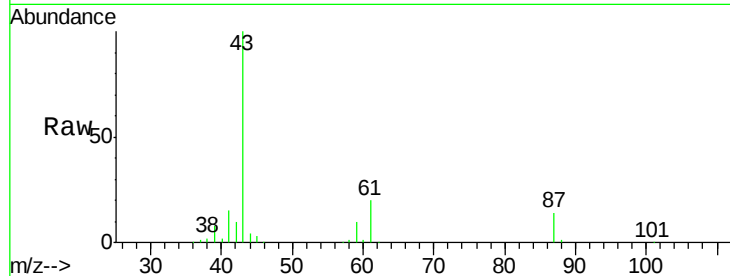
Tot Ion: 43 Resp: 108865

Ion Ratio Lower Upper

43 100

61 19.9 14.4 21.6

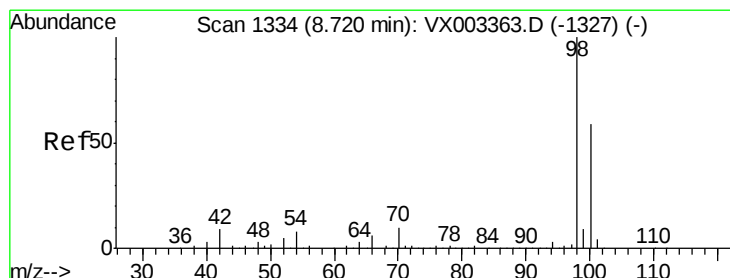
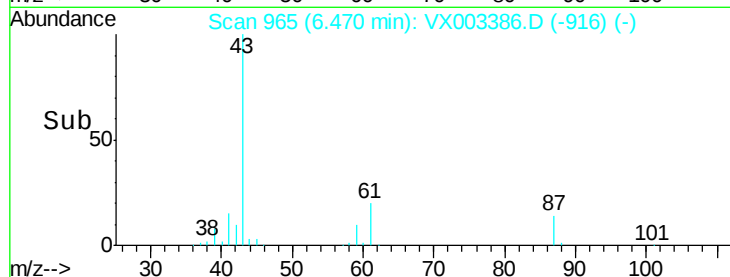
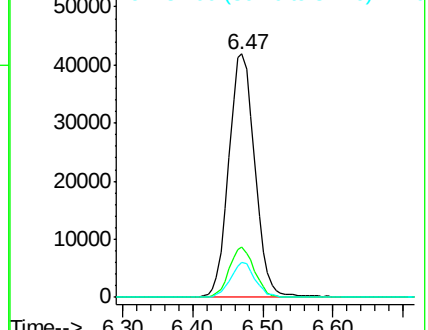
87 13.6 9.5 14.3



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: 59.78 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003386.D

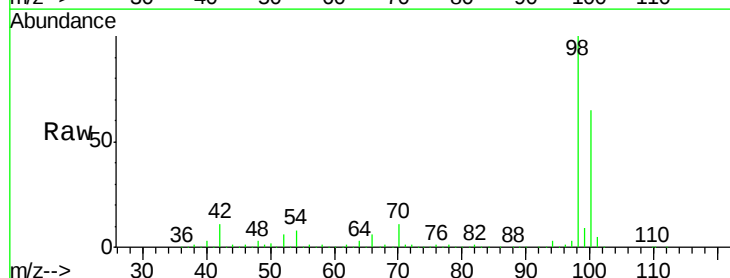
Acq: 14 Jul 2018 02:26

Tgt Ion: 98 Resp: 581527

Ion Ratio Lower Upper

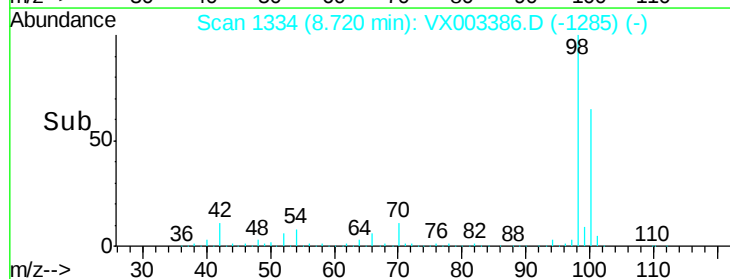
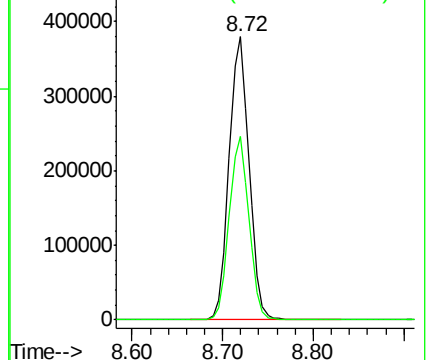
98 100

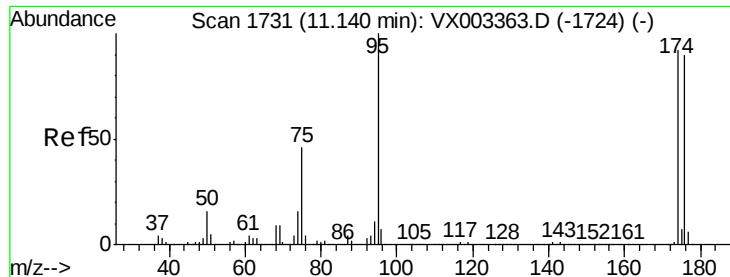
100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 50.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

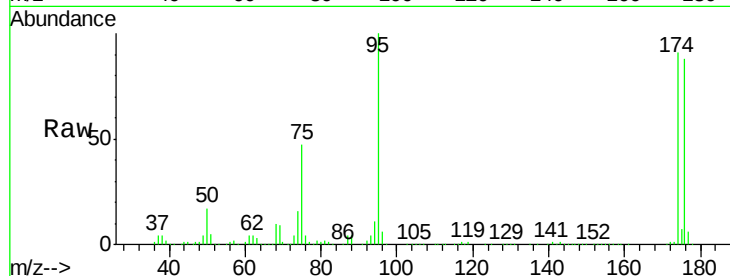
Tot Ion: 95 Resp: 209473

Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.4

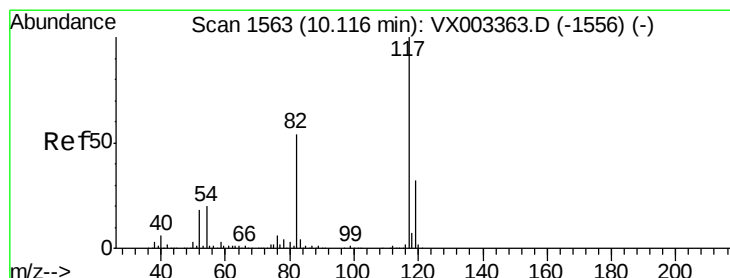
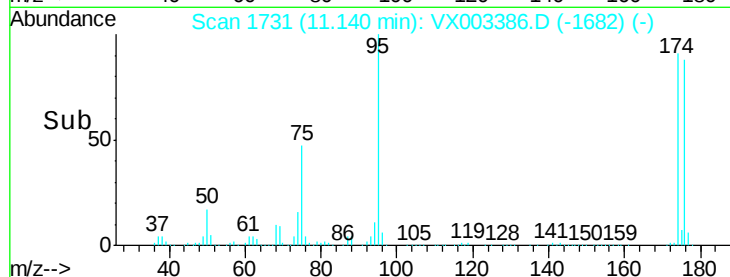
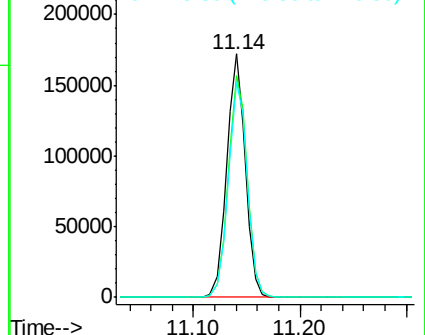
176 90.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

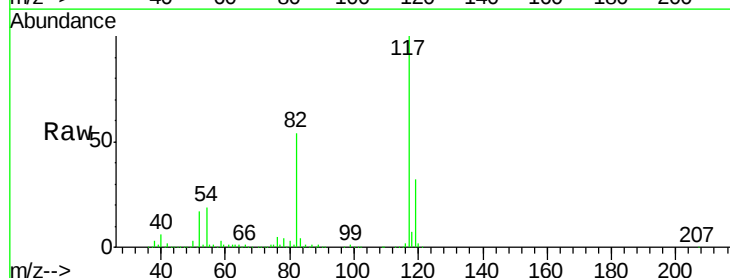
Tgt Ion: 117 Resp: 406662

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

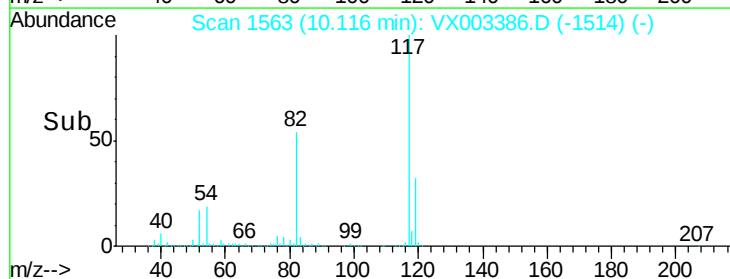
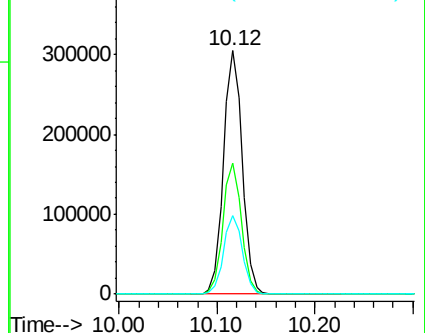
119 32.5 25.8 38.6

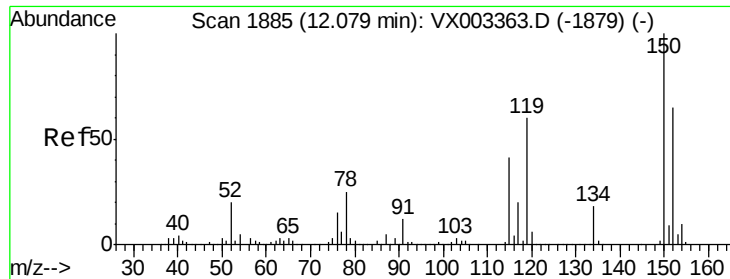


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

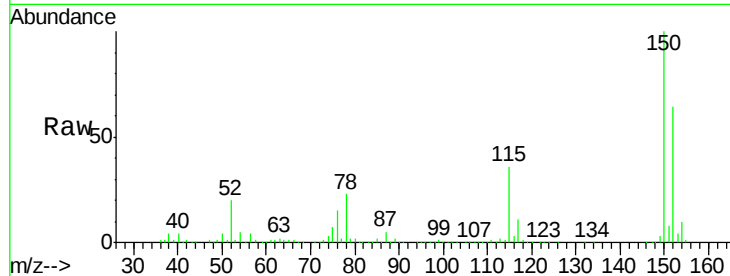
Tot Ion:152 Resp: 207391

Ion Ratio Lower Upper

152 100

115 54.6 40.1 120.2

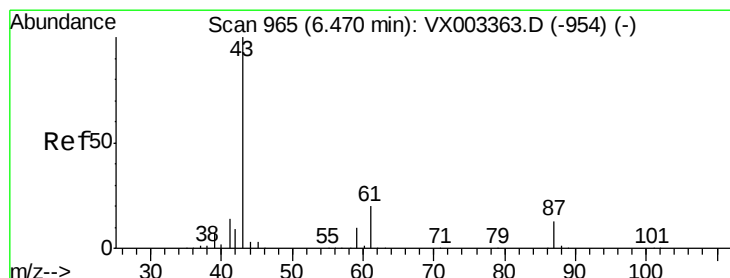
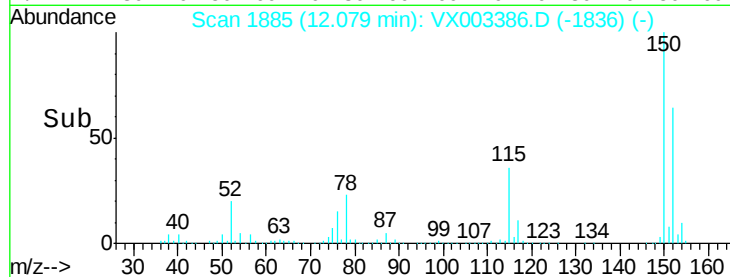
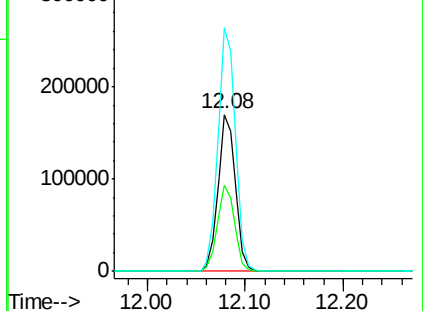
150 156.9 0.0 347.2



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: 16.38 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003386.D

Acq: 14 Jul 2018 02:26

Tgt Ion: 43 Resp: 108865

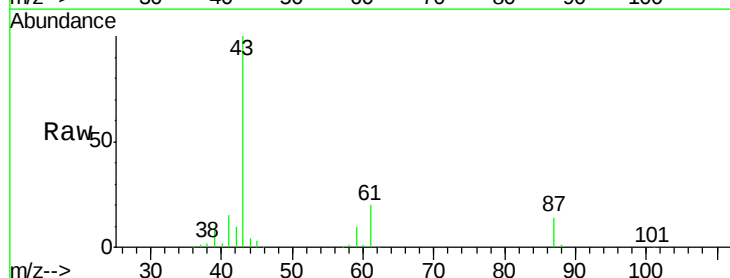
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.9 14.4 21.6

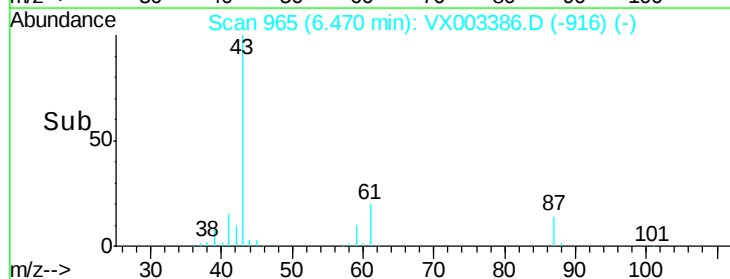
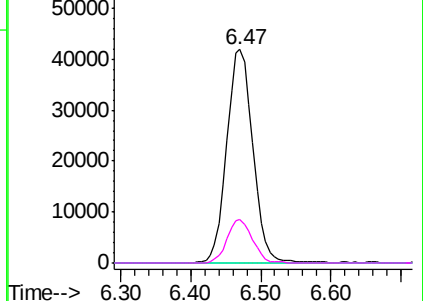


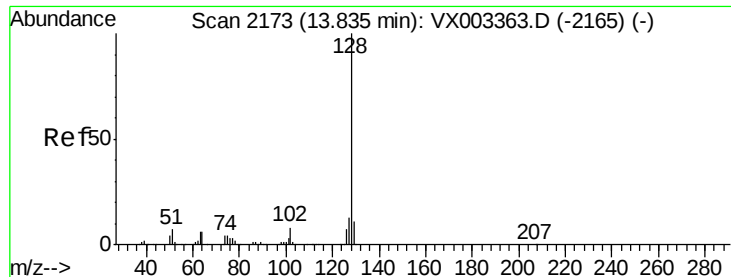
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#95
Naphthalene
Concen: 16.48 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003386.D
Acq: 14 Jul 2018 02:26

Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-1

Tot Ion:128 Resp: 239250
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.7 8.6 13.0

