

Data File : VX000541.D
Acq On : 30 Mar 2018 04:19
Operator : JC/MD
Sample : J2103-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-1

Quant Time: Mar 30 07:04:40 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	105665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	190698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	193682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	101257	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	75880	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
35) Dibromofluoromethane	5.51	113	60428	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	8.73	98	245813	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.15	95	84617	41.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.88%	

Target Compounds			Qvalue			
6) Chloroethane	1.74	64	332	Below Cal	#	44
8) Diethyl Ether	2.20	74	1516	1.81	ug/l	96
13) Acrolein	2.40	56	19	14.70	ug/l #	13
15) Acrylonitrile	3.15	53	239	0.25	ug/l #	23
16) Acetone	2.45	43	6478	5.65	ug/l	97
18) Methyl Acetate	2.79	43	523	0.22	ug/l #	51
20) Methylene Chloride	2.86	84	17170	12.96	ug/l	92
25) 2-Butanone	4.73	43	705	0.55	ug/l #	88
29) Tetrahydrofuran	5.18	42	294	0.37	ug/l #	31
31) Cyclohexane	5.69	56	2779	1.60	ug/l #	76
36) 1,1-Dichloropropene	5.68	75	8386	4.69	ug/l #	52
38) Carbon Tetrachloride	5.68	117	10534	5.62	ug/l #	16
43) Isopropyl Acetate	6.49	43	1426	0.39	ug/l #	84
51) 4-Methyl-2-Pentanone	8.66	43	612	0.22	ug/l	92
74) N-amyl acetate	6.49	43	1426	Below Cal	#	87
76) 1,2,3-Trichloropropane	11.15	75	50630	23.27	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	50630	75.33	ug/l #	9
95) Naphthalene	13.84	128	26370	3.19	ug/l	97

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

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Sample : J2103-04 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 39 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

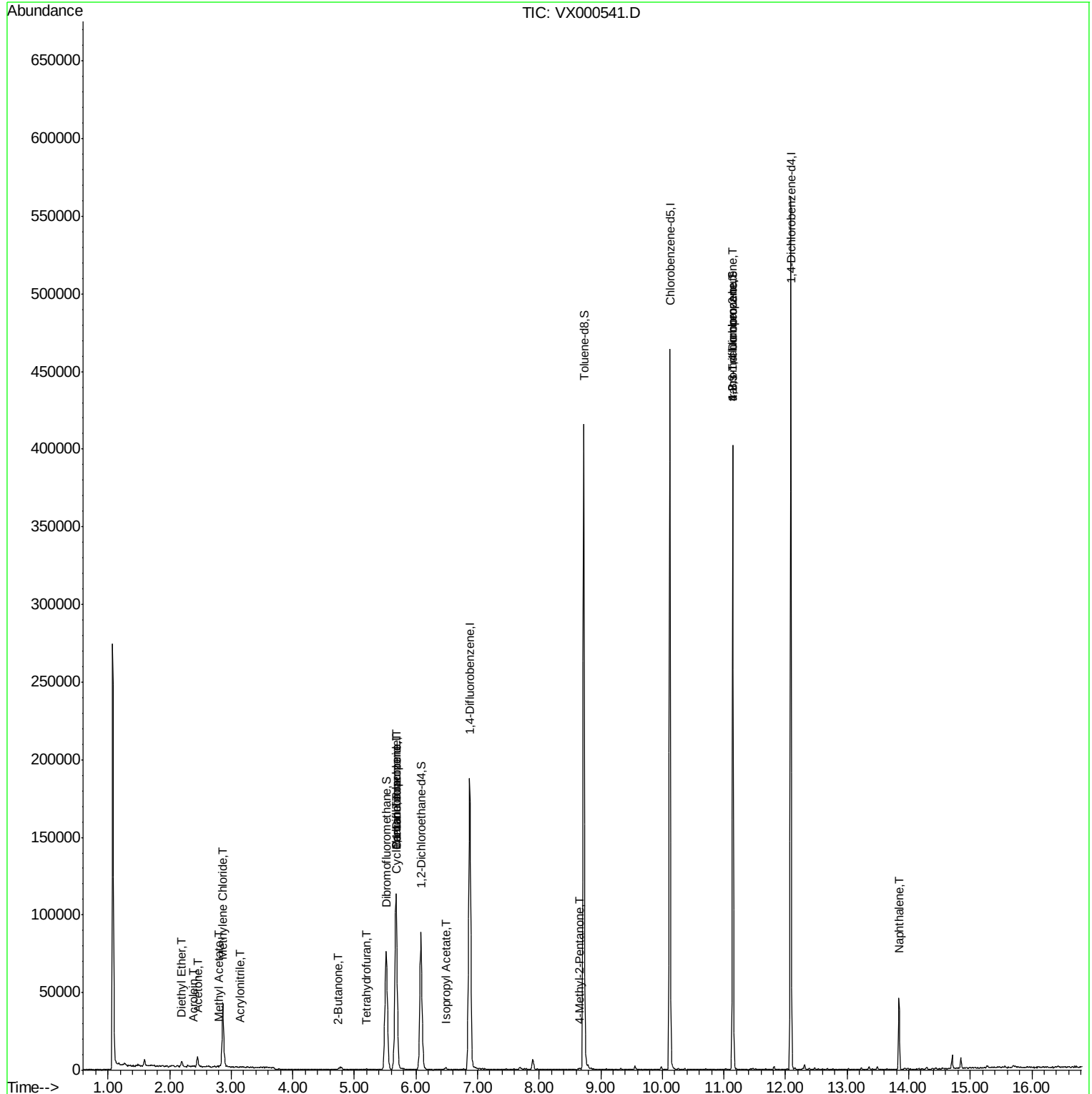
Quant Time: Mar 30 07:04:40 2018

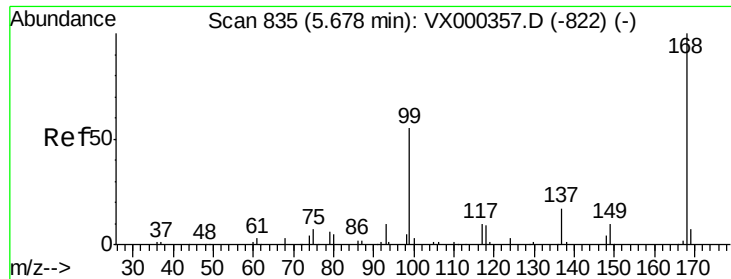
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

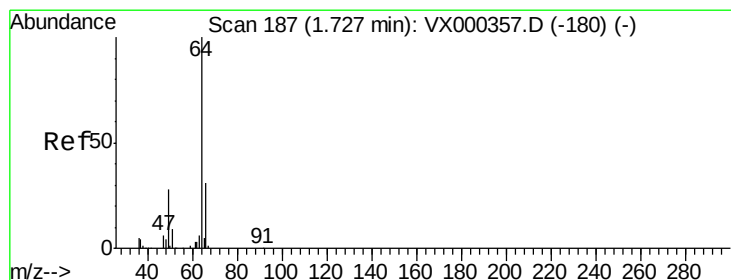
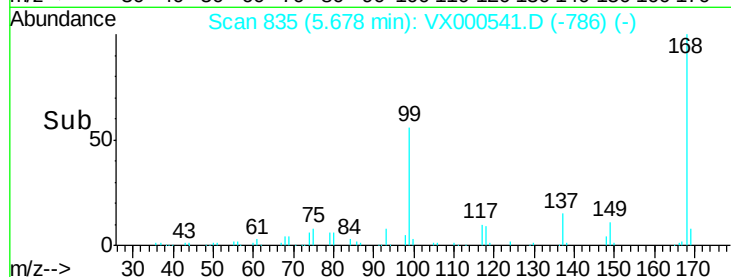
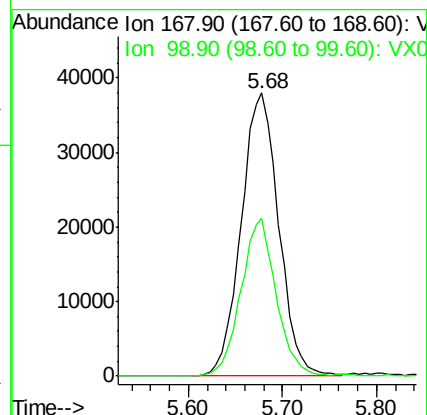
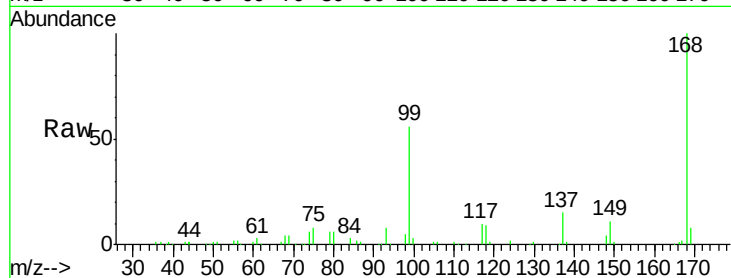




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.00 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

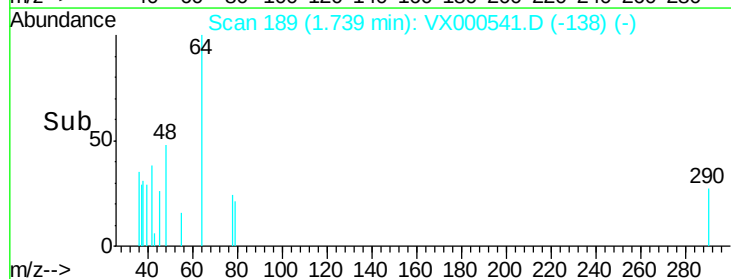
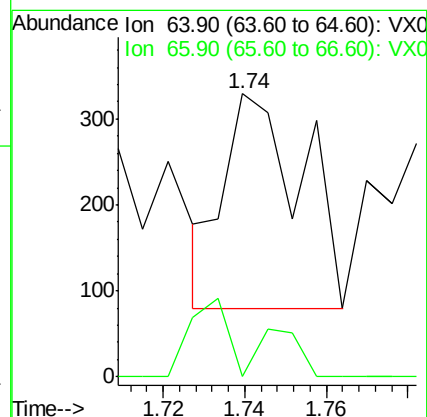
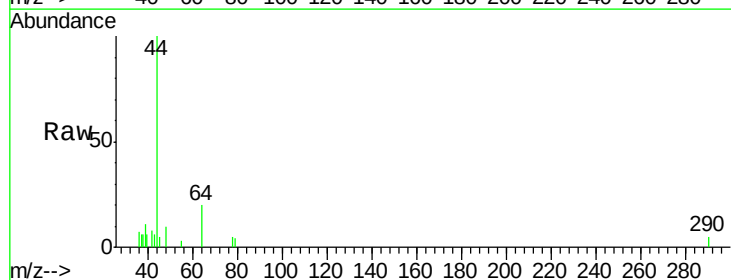
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-1

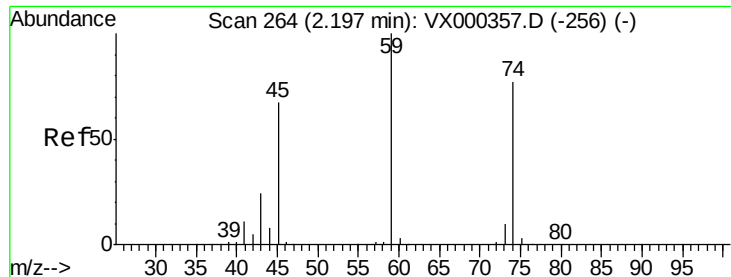
Tgt Ion: 168 Resp: 105665
Ion Ratio Lower Upper
168 100
99 55.7 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.74 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Tgt Ion: 64 Resp: 332
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#





#8

Diethyl Ether

Concen: 1.81 ug/l

RT: 2.20 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampled :

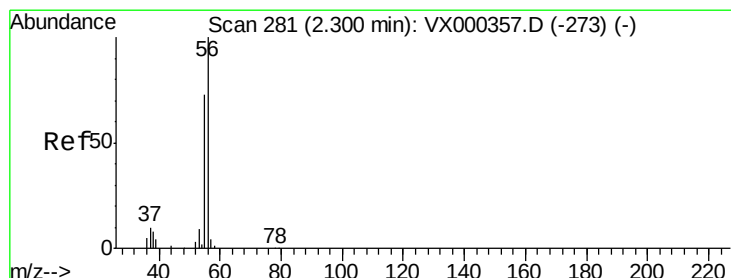
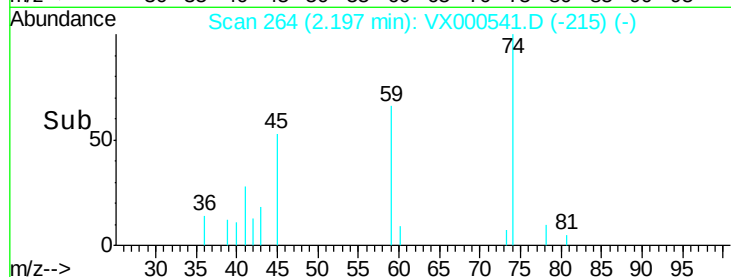
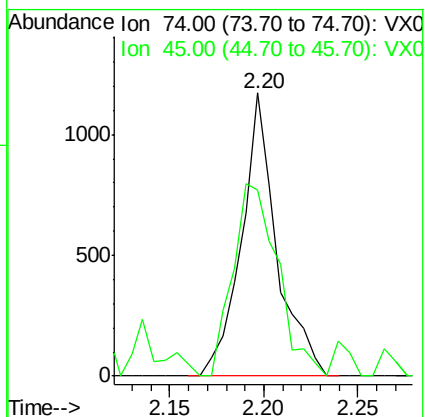
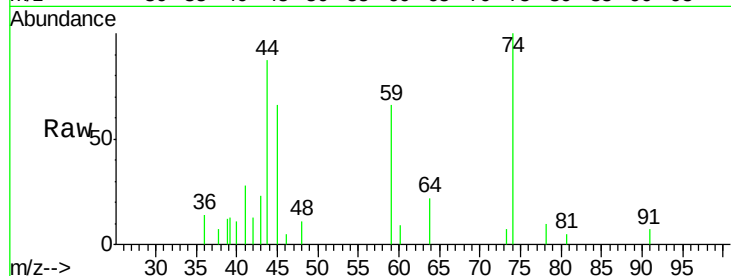
LS-SOIL-1

Tgt Ion: 74 Resp: 1516

Ion Ratio Lower Upper

74 100

45 86.3 45.1 135.3



#13

Acrolein

Concen: 14.70 ug/l

RT: 2.40 min Scan# 297

Delta R.T. 0.10 min

Lab File: VX000541.D

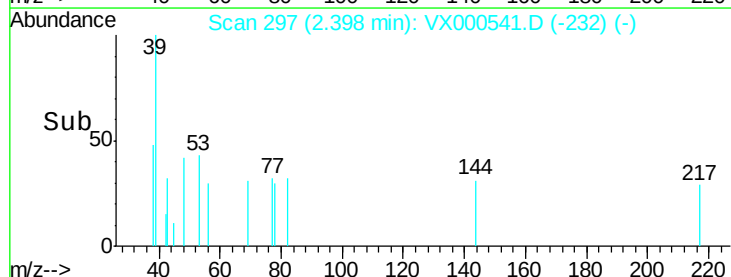
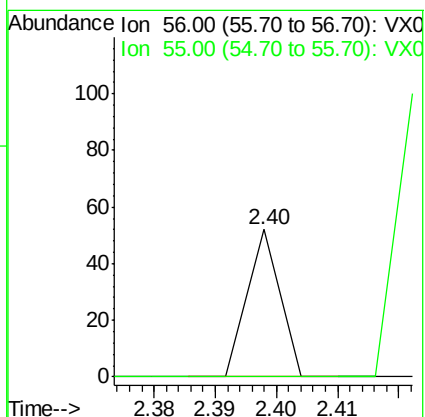
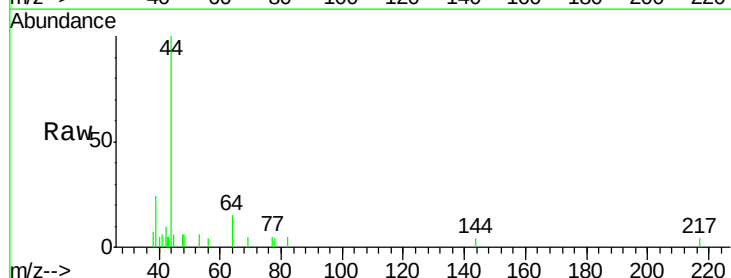
Acq: 30 Mar 2018 04:19

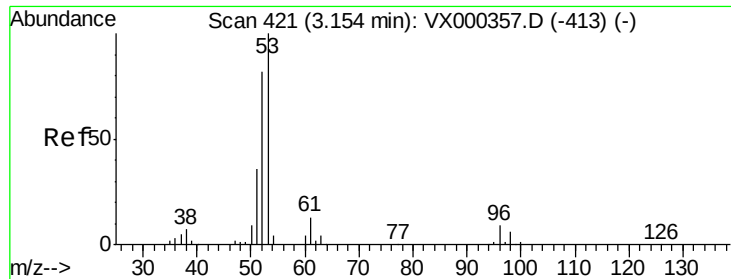
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 58.8 88.2#

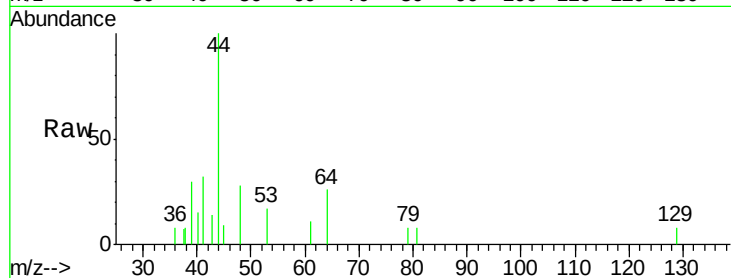




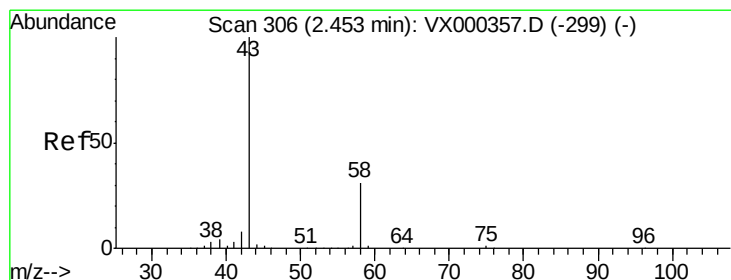
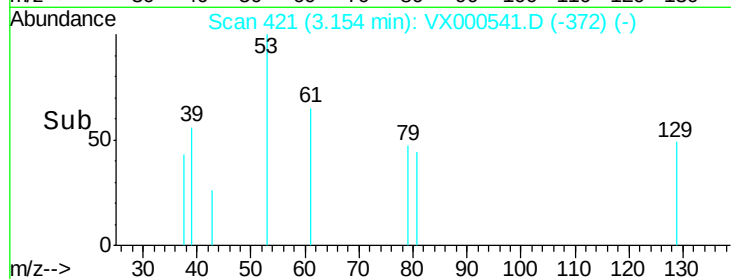
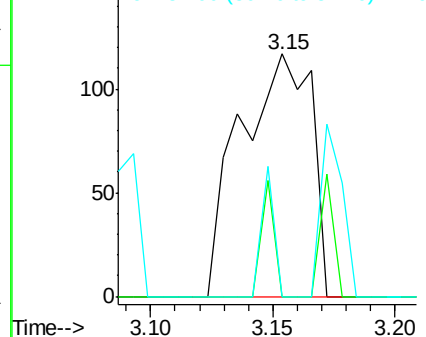
#15
Acrylonitrile
Concen: 0.25 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-1

Tgt Ion: 53 Resp: 239
Ion Ratio Lower Upper
53 100
52 8.4 66.6 99.8#
51 0.0 29.3 43.9#

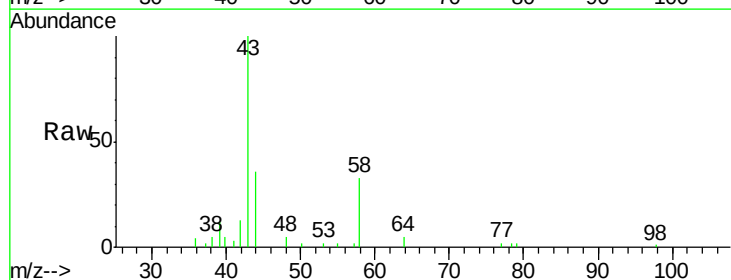


Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

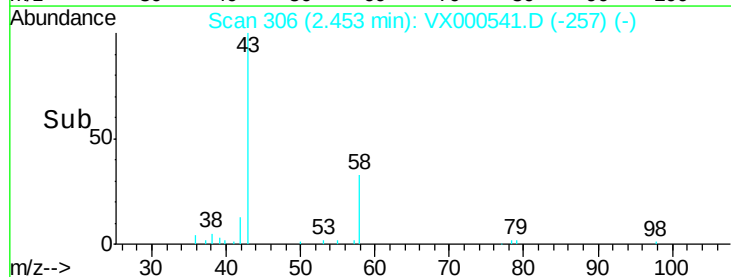
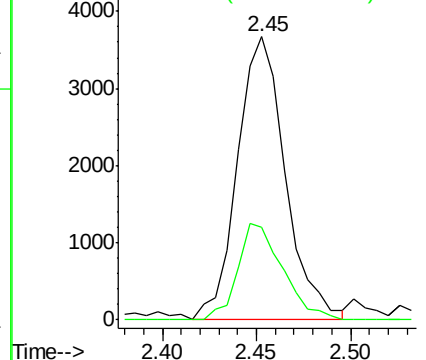


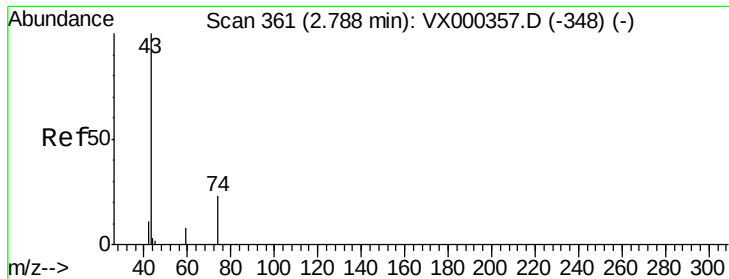
#16
Acetone
Concen: 5.65 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Tgt Ion: 43 Resp: 6478
Ion Ratio Lower Upper
43 100
58 32.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

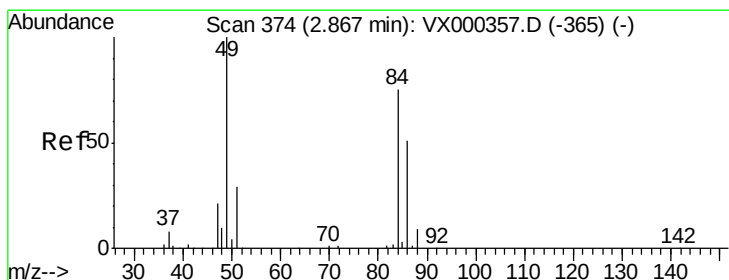
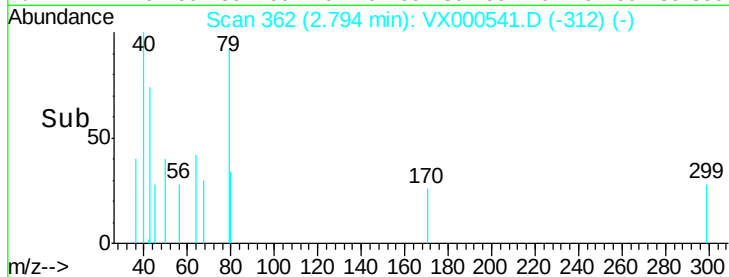
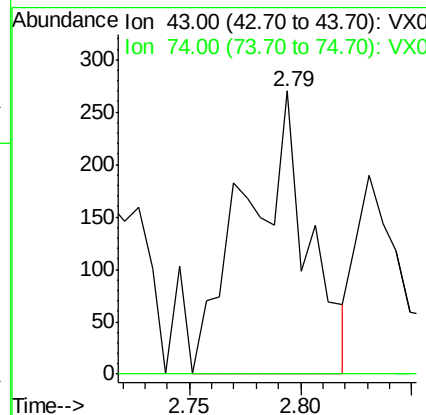
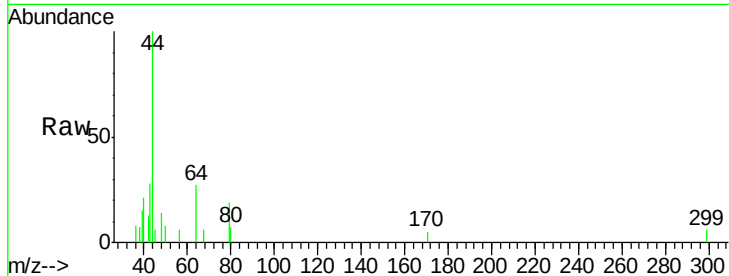




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

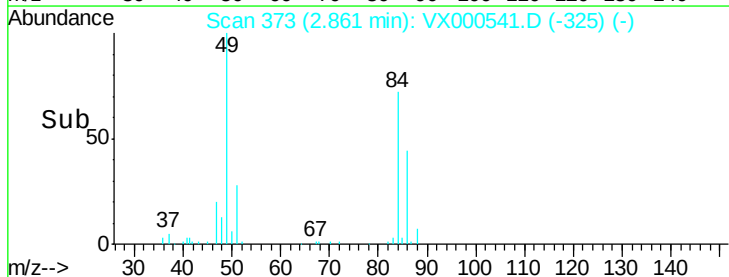
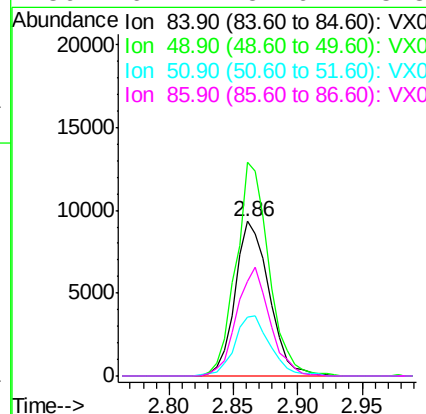
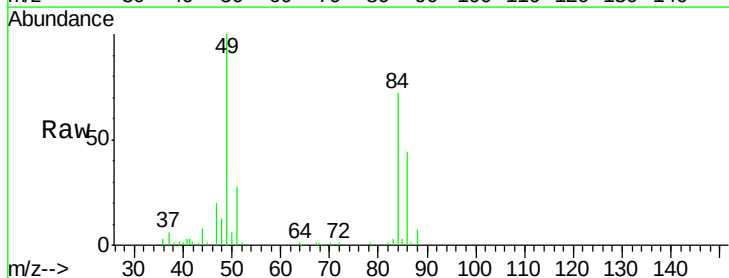
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-1

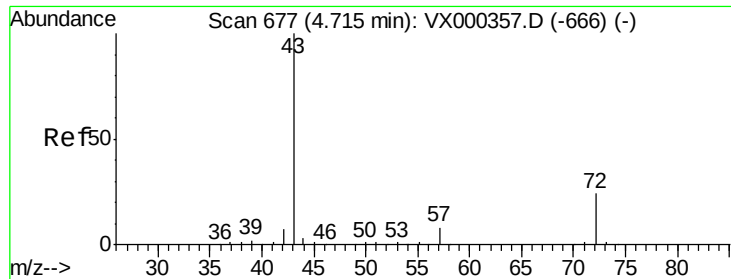
Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 12.96 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Tgt Ion: 84 Resp: 17170
Ion Ratio Lower Upper
84 100
49 138.0 100.6 151.0
51 38.3 31.6 47.4
86 61.4 52.6 78.8





#25

2-Butanone

Concen: 0.55 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampled :

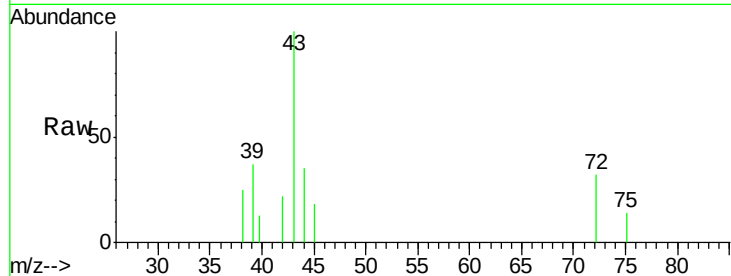
LS-SOIL-1

Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

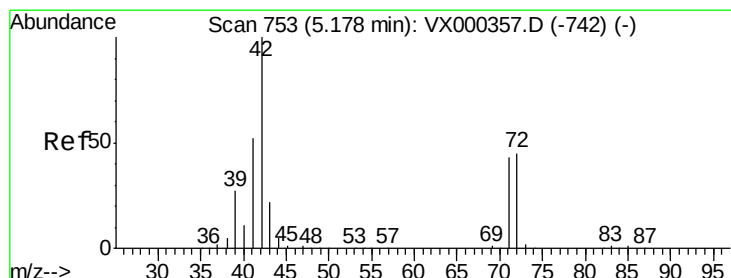
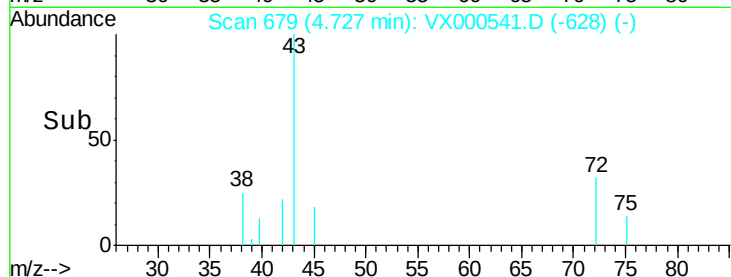
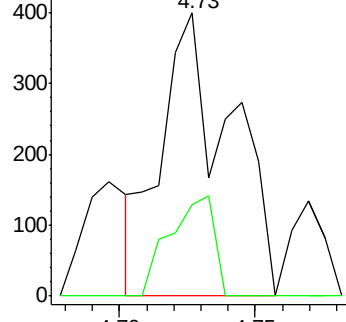
43 100

72 32.3 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

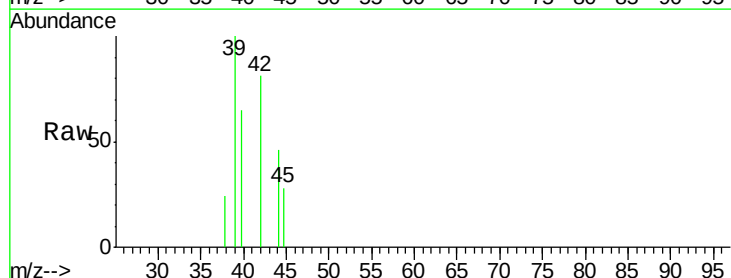
Tgt Ion: 42 Resp: 294

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

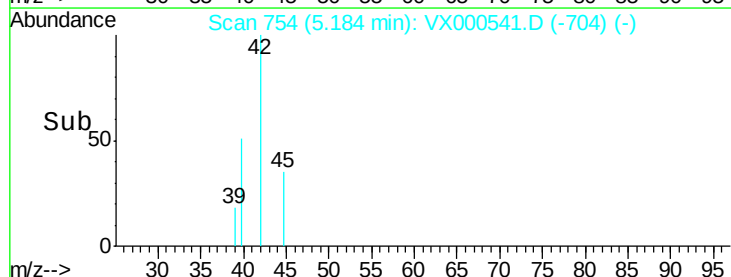
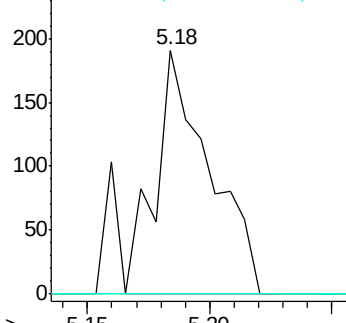
71 0.0 34.4 51.6#

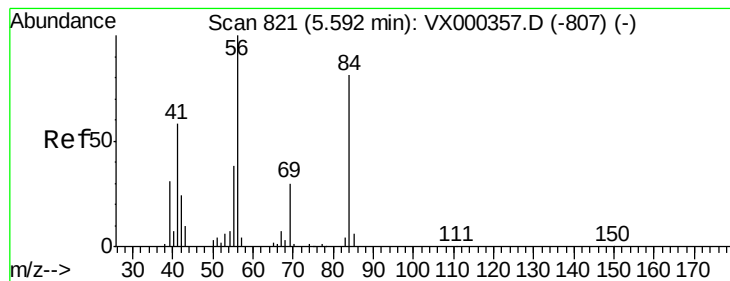


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.60 ug/l

RT: 5.69 min Scan# 837

Delta R.T. 0.10 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

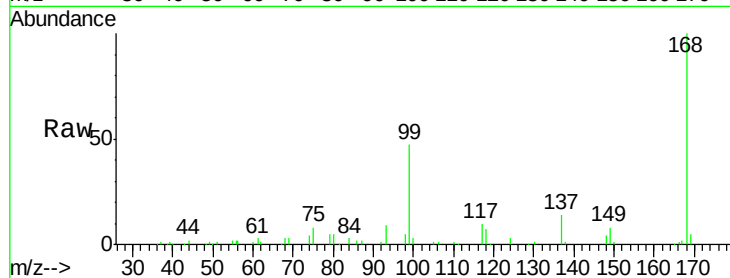
Tgt Ion: 56 Resp: 2779

Ion Ratio Lower Upper

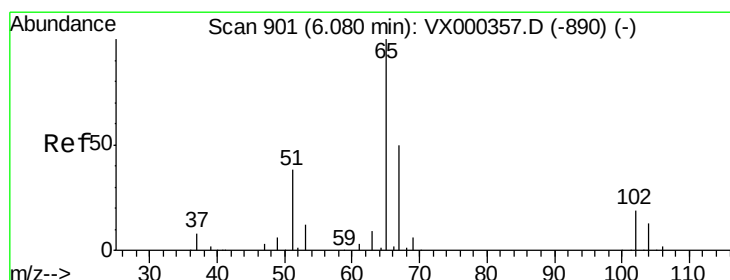
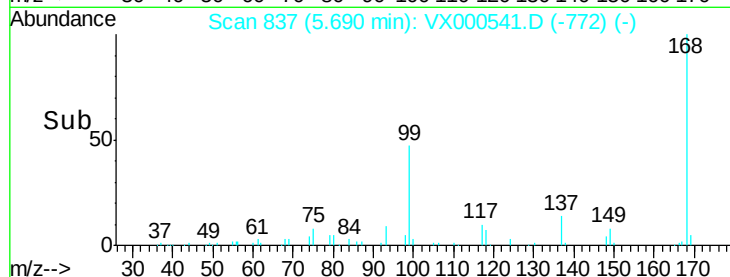
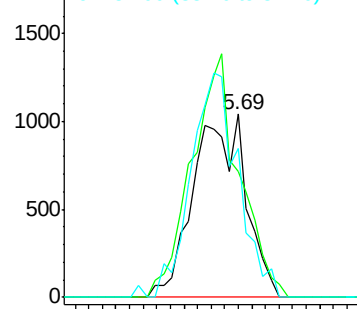
56 100

69 68.7 23.4 35.0#

84 81.4 71.0 106.4



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: 55.01 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000541.D

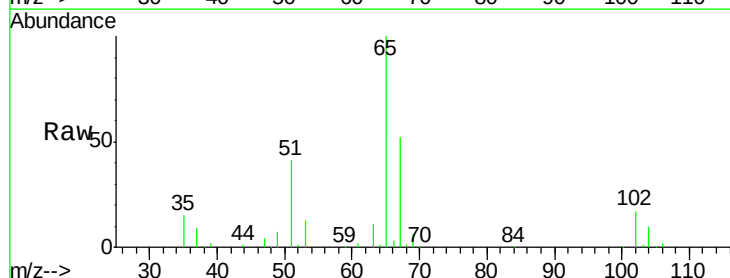
Acq: 30 Mar 2018 04:19

Tgt Ion: 65 Resp: 75880

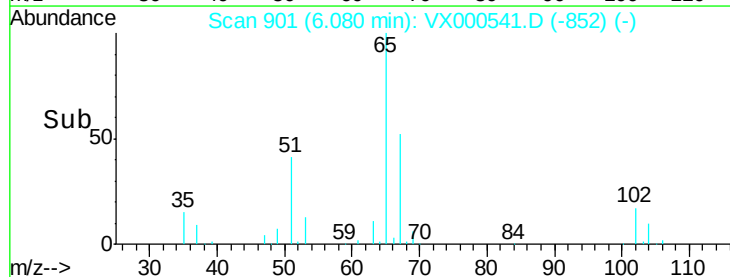
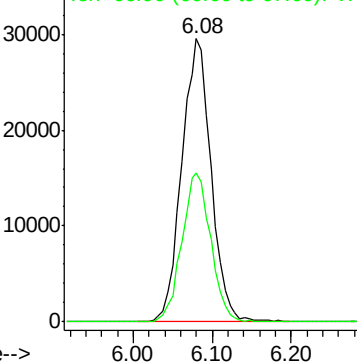
Ion Ratio Lower Upper

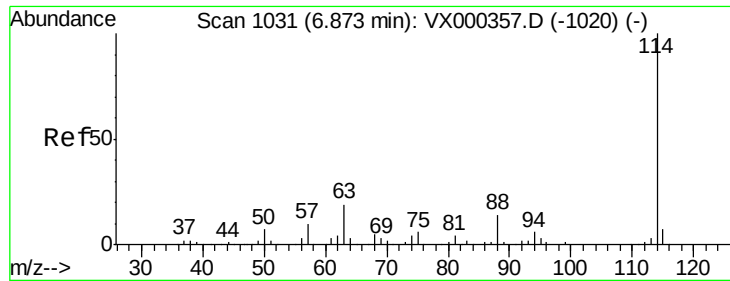
65 100

67 52.1 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

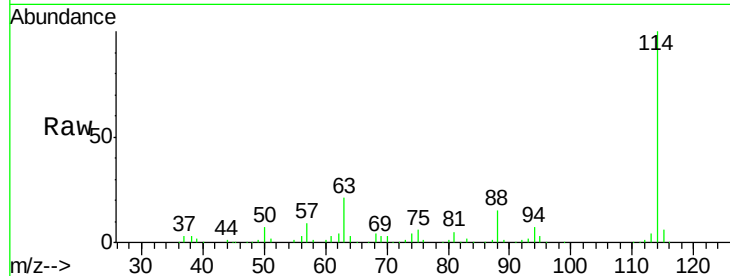




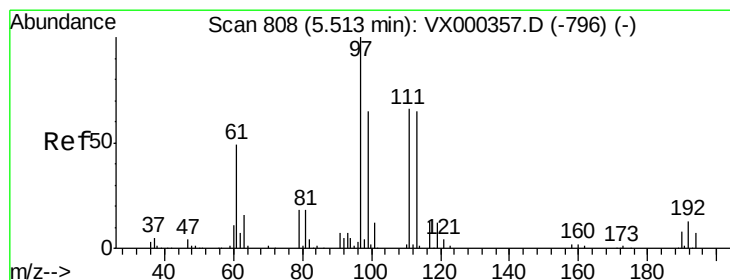
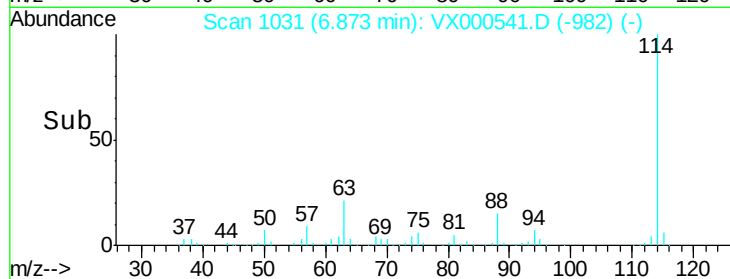
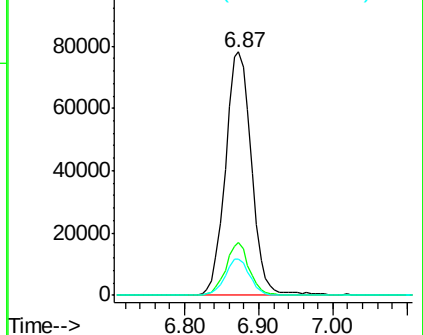
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

Instrument :
 MSVOA_X
 ClientSampled :
 LS-SOIL-1

Tgt Ion:114 Resp: 190698
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 38.4
 88 14.9 0.0 27.0

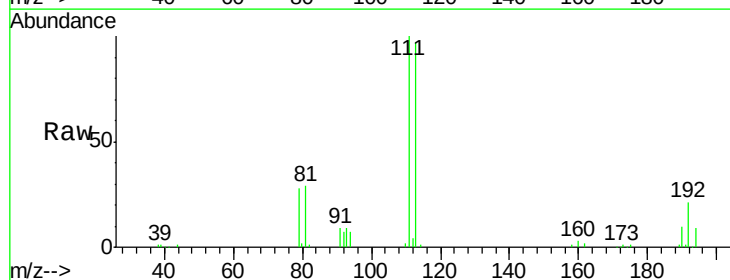


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

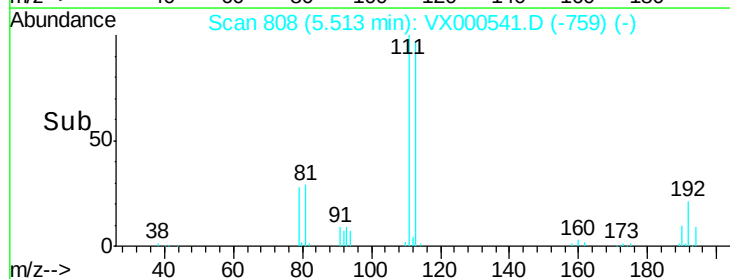
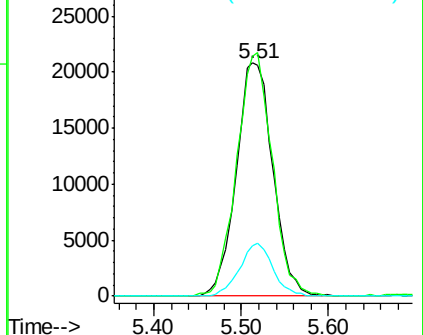


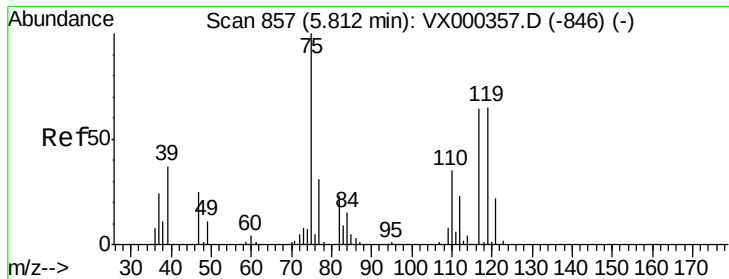
#35
 Dibromofluoromethane
 Concen: 50.29 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

Tgt Ion:113 Resp: 60428
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 20.4 15.8 23.6



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

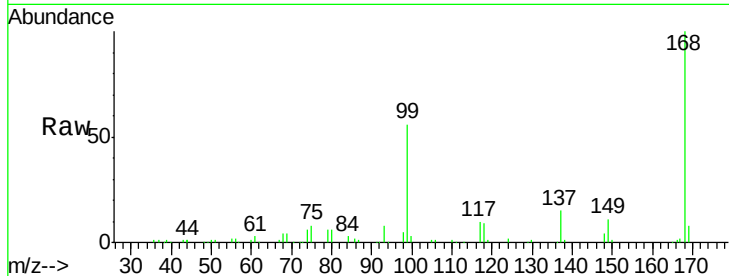




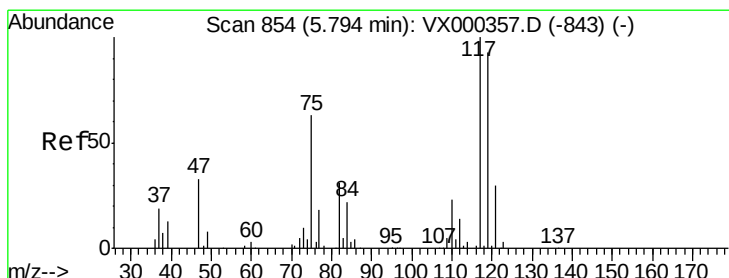
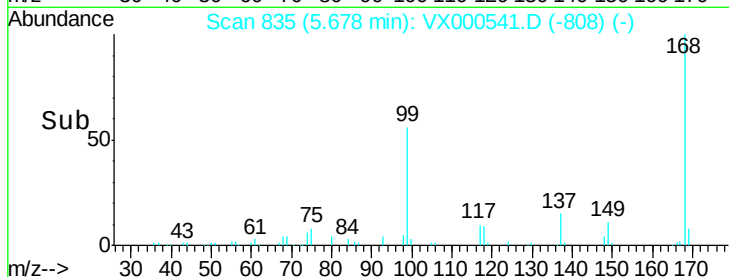
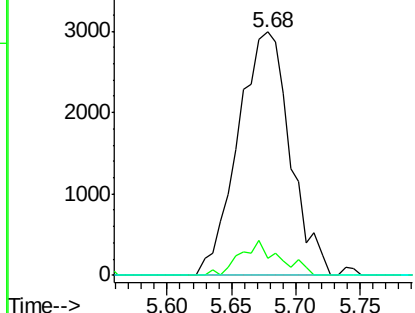
#36
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-1

Tgt Ion: 75 Resp: 8386
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.9 53.7#
 77 0.0 24.0 36.0#

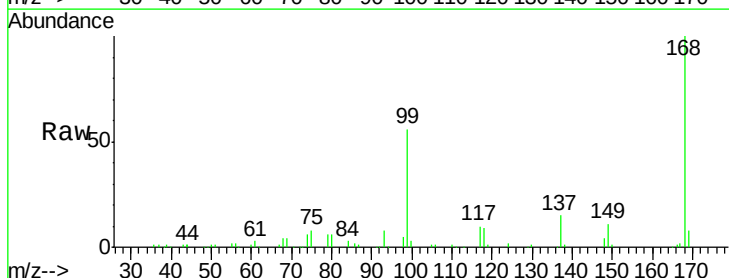


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

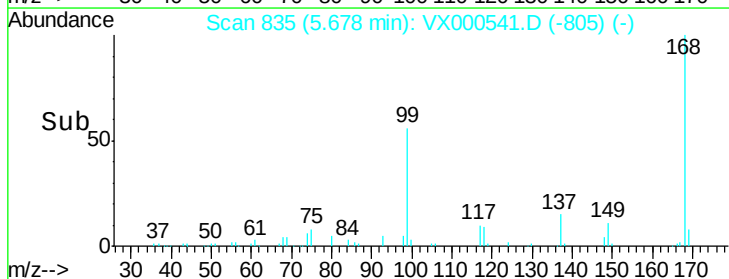
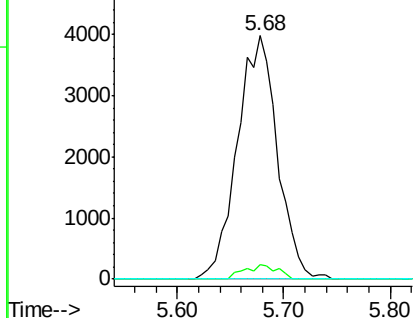


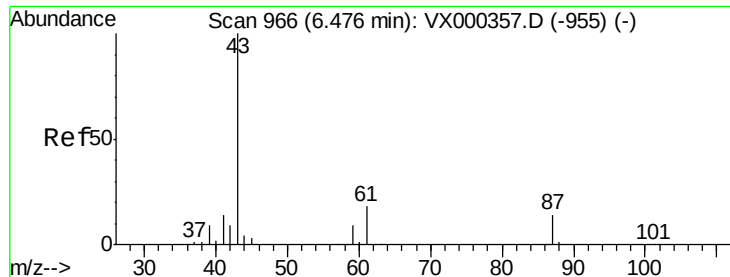
#38
 Carbon Tetrachloride
 Concen: 5.62 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

Tgt Ion: 117 Resp: 10534
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.2#
 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: 0.39 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

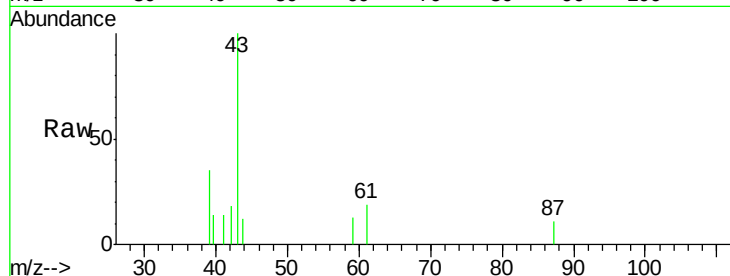
Tgt Ion: 43 Resp: 1426

Ion Ratio Lower Upper

43 100

61 12.4 14.4 21.6#

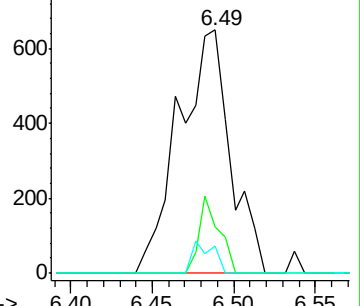
87 5.4 11.0 16.4#



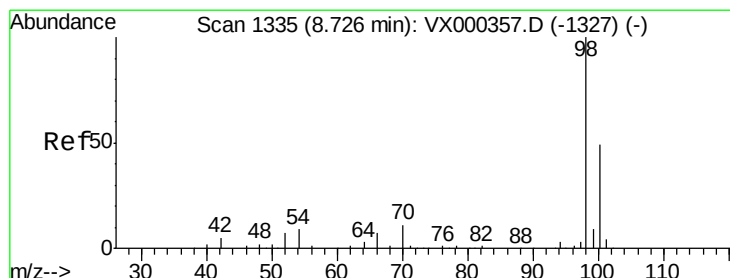
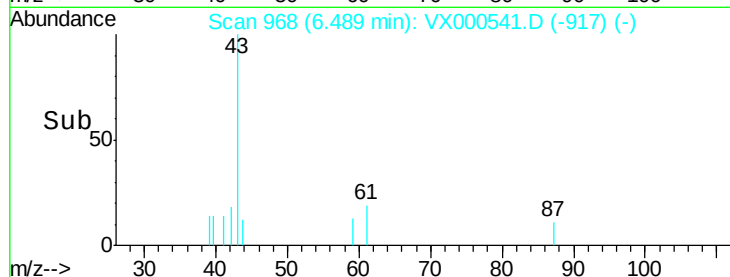
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 49.40 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000541.D

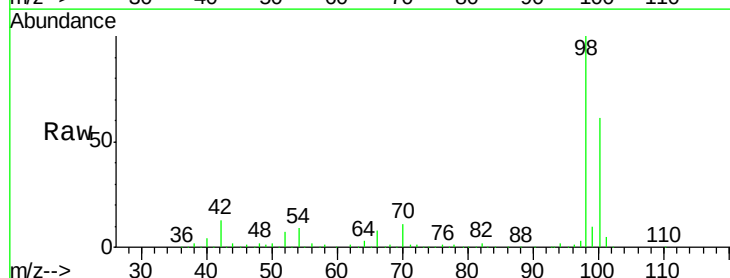
Acq: 30 Mar 2018 04:19

Tgt Ion: 98 Resp: 245813

Ion Ratio Lower Upper

98 100

100 62.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.73

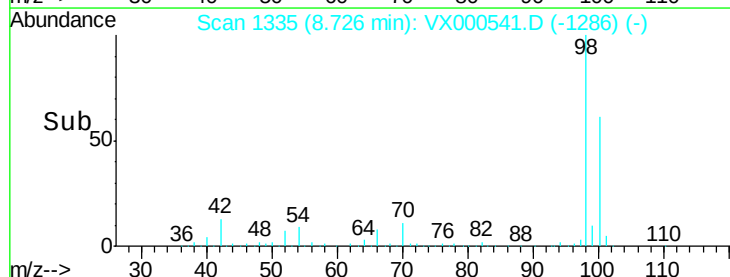
150000

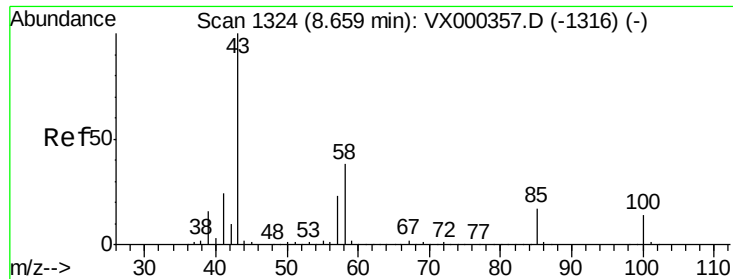
100000

50000

0

Time-->

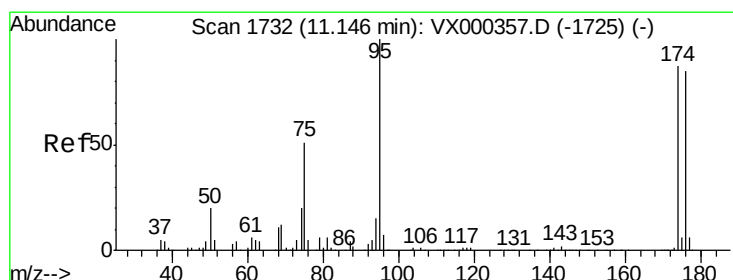
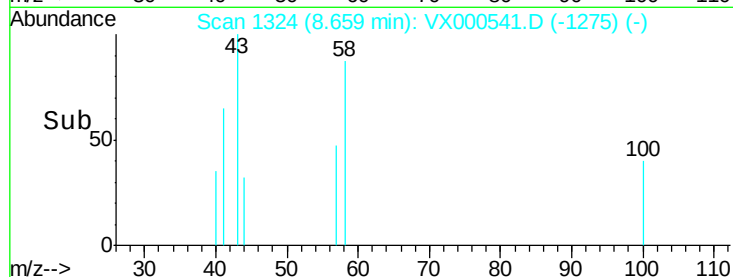
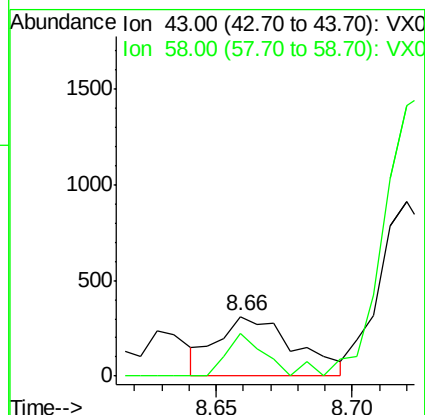
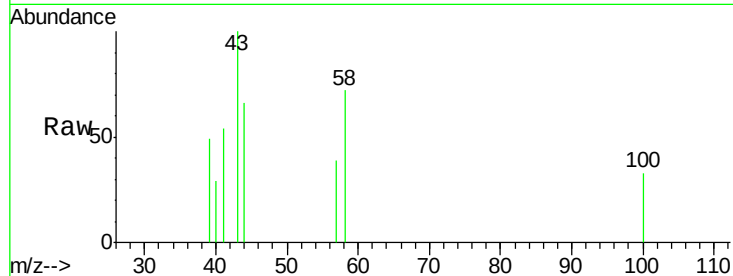




#51
 4-Methyl-2-Pentanone
 Concen: 0.22 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

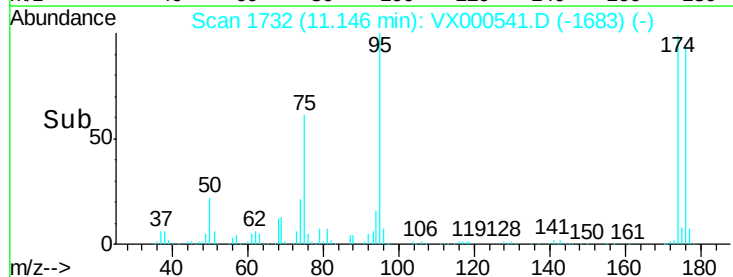
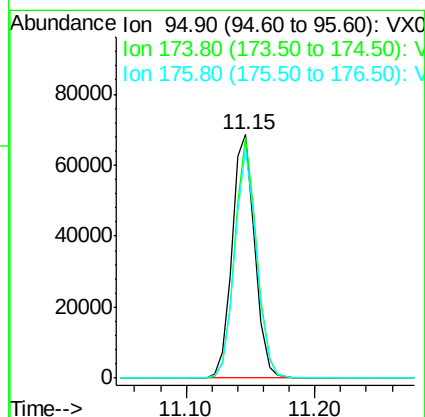
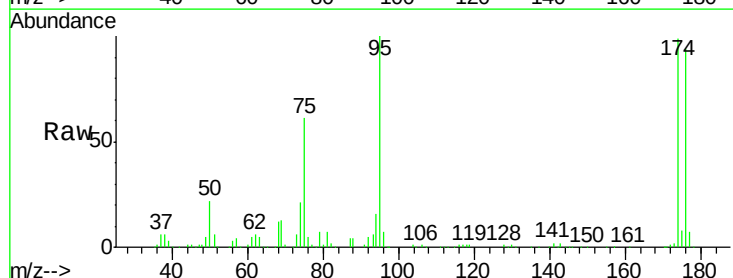
Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-1

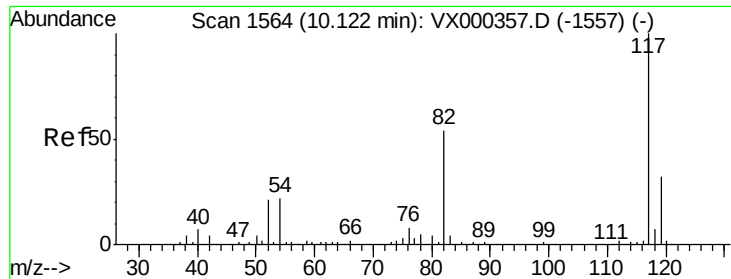
Tgt Ion: 43 Resp: 612
 Ion Ratio Lower Upper
 43 100
 58 33.3 30.3 45.5



#62
 4-Bromofluorobenzene
 Concen: 41.44 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000541.D
 Acq: 30 Mar 2018 04:19

Tgt Ion: 95 Resp: 84617
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 173.6
 176 91.1 0.0 164.6

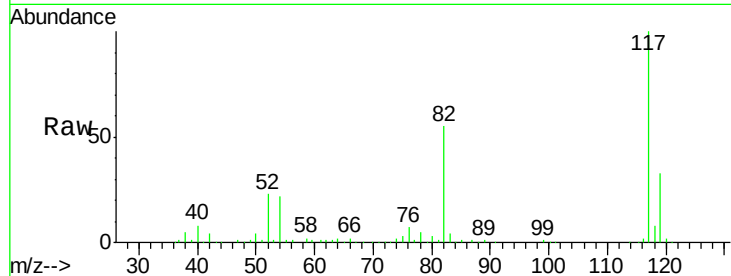




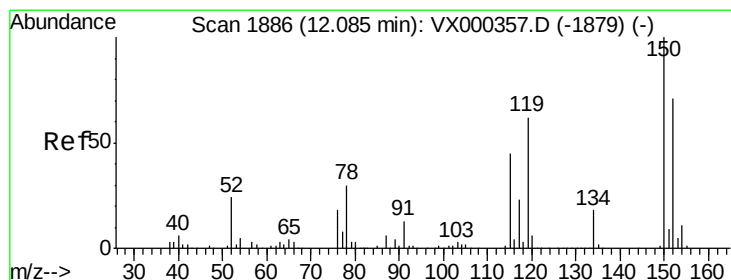
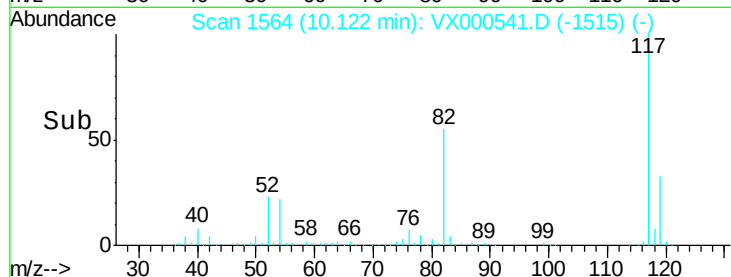
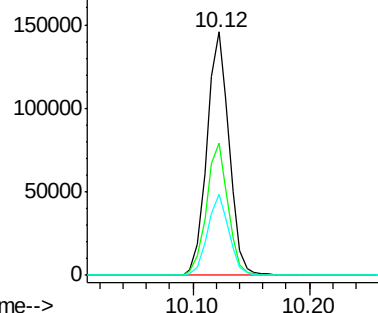
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Instrument :
MSVOA_X
ClientSampled :
LS-SOIL-1

Tgt Ion:117 Resp: 193682
Ion Ratio Lower Upper
117 100
82 54.6 43.8 65.8
119 33.0 24.9 37.3

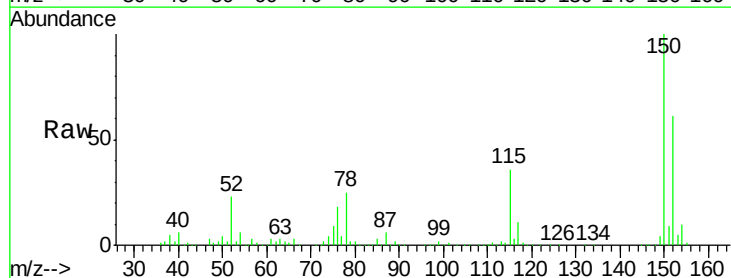


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

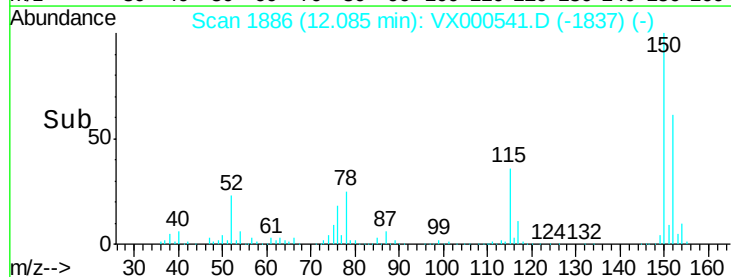
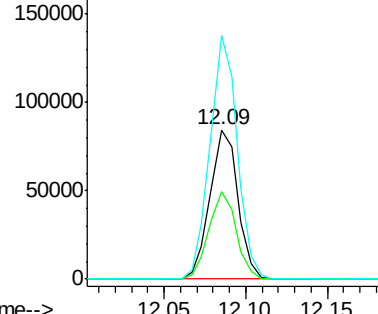


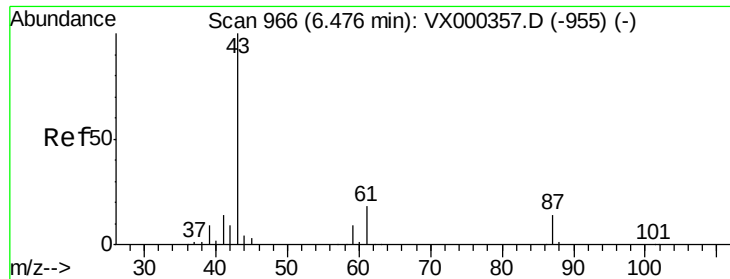
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000541.D
Acq: 30 Mar 2018 04:19

Tgt Ion:152 Resp: 101257
Ion Ratio Lower Upper
152 100
115 57.7 39.8 119.3
150 159.2 0.0 344.4



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





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

Tgt Ion: 43 Resp: 1426

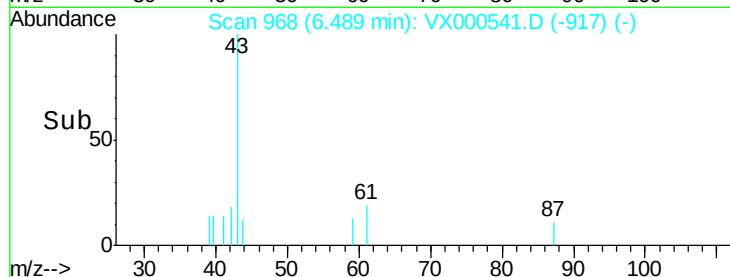
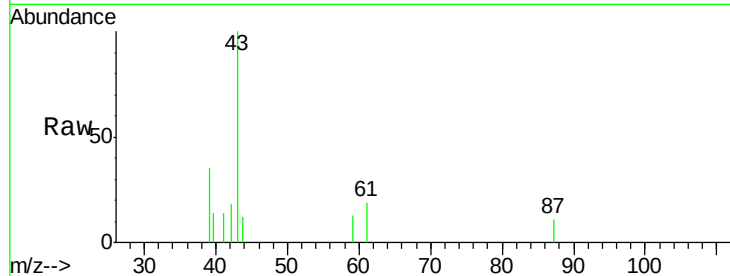
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 12.4 14.4 21.6#

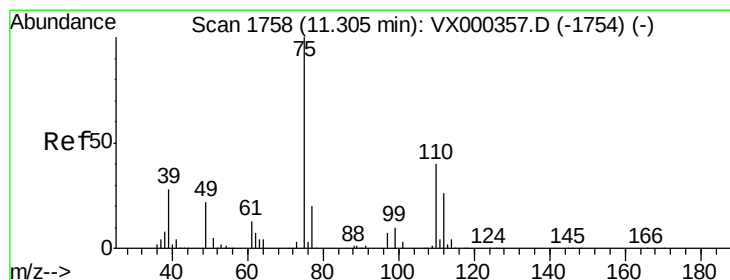
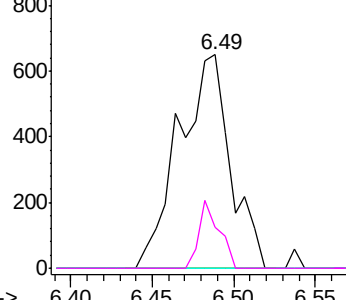


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 23.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000541.D

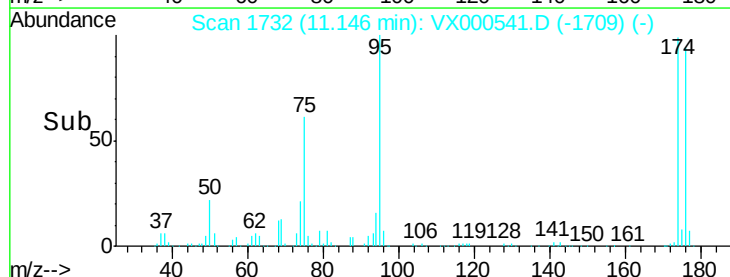
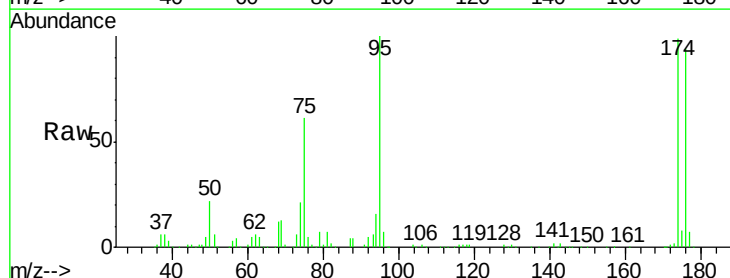
Acq: 30 Mar 2018 04:19

Tgt Ion: 75 Resp: 50630

Ion Ratio Lower Upper

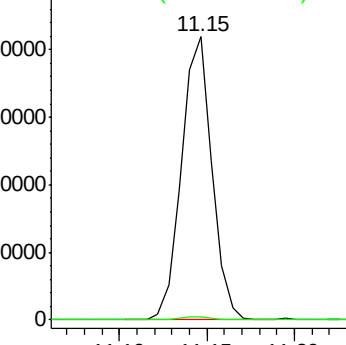
75 100

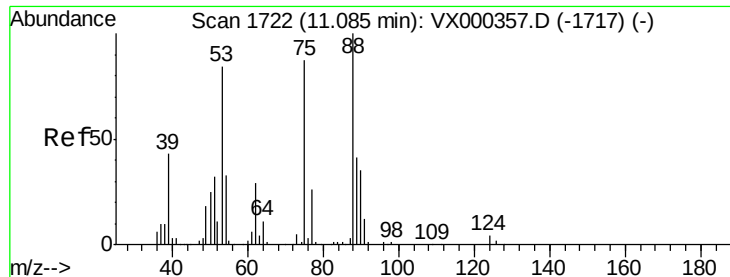
77 1.2 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.33 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-1

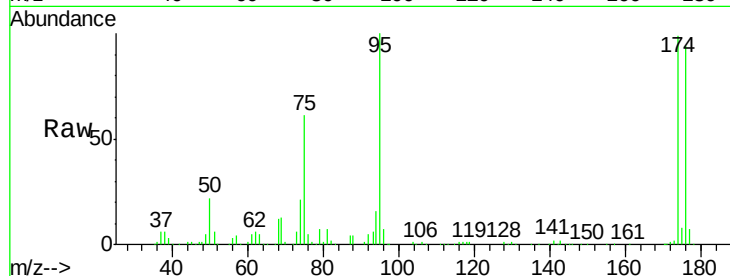
Tgt Ion: 75 Resp: 50630

Ion Ratio Lower Upper

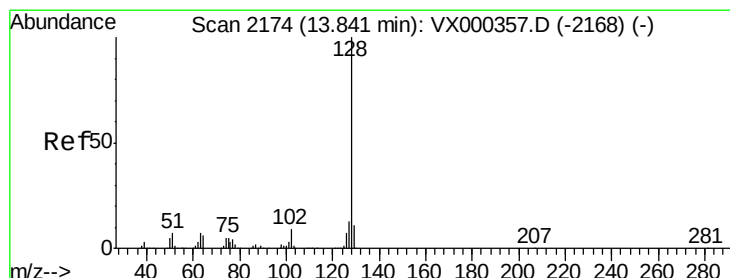
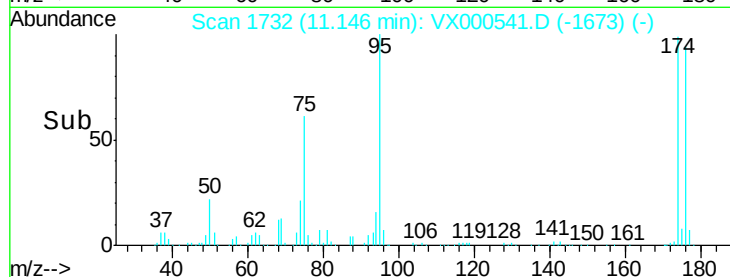
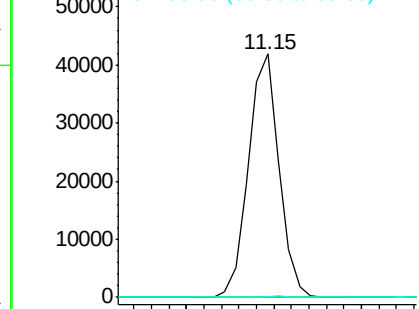
75 100

53 0.1 80.7 121.1#

89 0.1 39.4 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 3.19 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000541.D

Acq: 30 Mar 2018 04:19

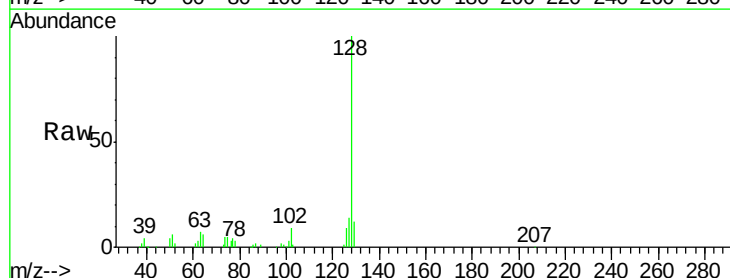
Tgt Ion: 128 Resp: 26370

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

129 12.3 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

