

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001490.D
 Acq On : 08 May 2018 02:53
 Operator : JC/MD
 Sample : J2754-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-PILE-1B

Quant Time: May 08 06:15:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	170966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	169897	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	5.51	113	132489	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
50) Toluene-d8	8.72	98	478218	42.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.02%	
62) 4-Bromofluorobenzene	11.14	95	157725	36.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.04%	

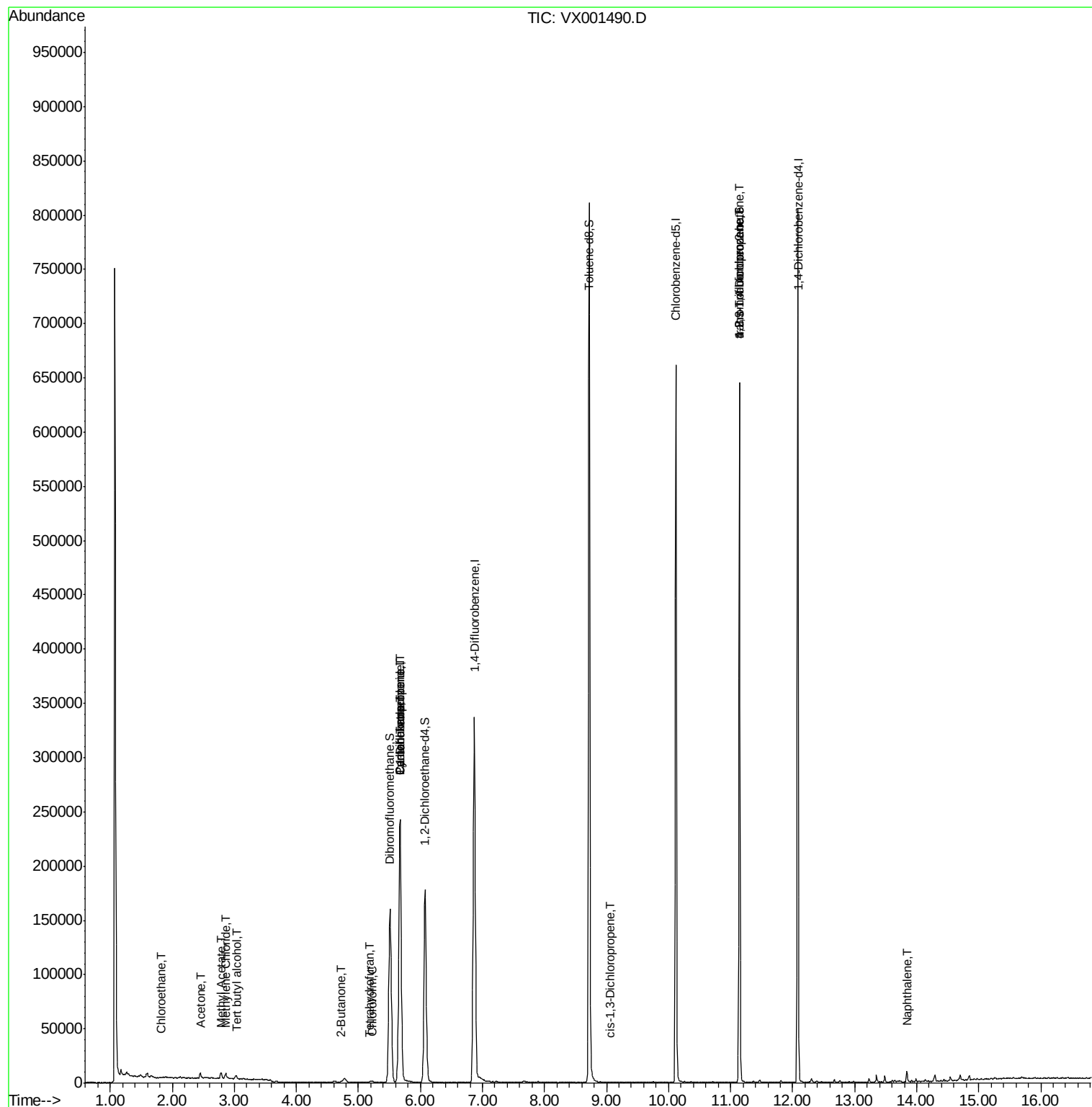
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	973	Below Cal		97
6) Chloroethane	1.81	64	2048	0.89 ug/l	#	70
11) Tert butyl alcohol	3.03	59	1760	2.28 ug/l	#	80
13) Acrolein	2.29	56	50	Below Cal	#	1
16) Acetone	2.45	43	5105	3.07 ug/l		99
18) Methyl Acetate	2.78	43	6503	1.49 ug/l		98
20) Methylene Chloride	2.85	84	2265	0.69 ug/l	#	87
25) 2-Butanone	4.71	43	925	0.38 ug/l	#	90
29) Tetrahydrofuran	5.18	42	1013	0.66 ug/l	#	71
30) Chloroform	5.23	83	1137	0.20 ug/l		85
31) Cyclohexane	5.67	56	4421	0.94 ug/l	#	24
36) 1,1-Dichloropropene	5.67	75	15949	3.62 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21971	4.67 ug/l	#	16
54) cis-1,3-Dichloropropene	9.06	75	21	2.27 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	79868	23.03 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	79868	71.43 ug/l	#	7
95) Naphthalene	13.84	128	6008	0.47 ug/l		97

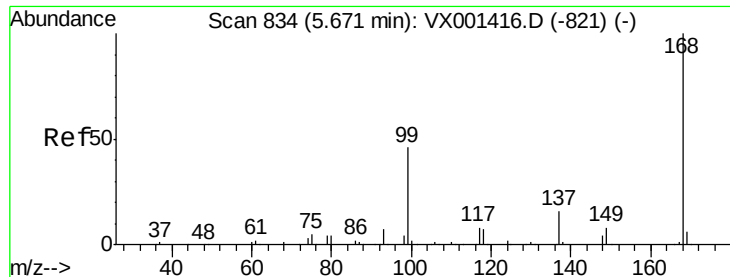
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
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Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampled :

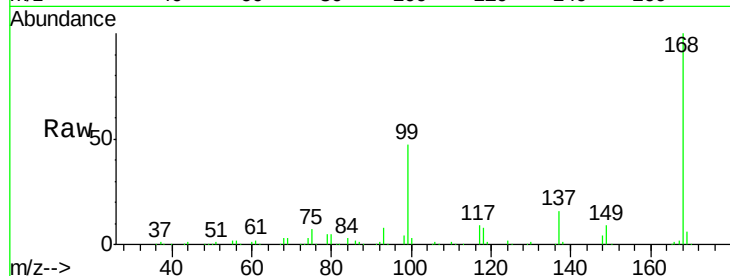
LS-SOIL-PILE-1B

Tgt Ion:168 Resp: 254783

Ion Ratio Lower Upper

168 100

99 47.4 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

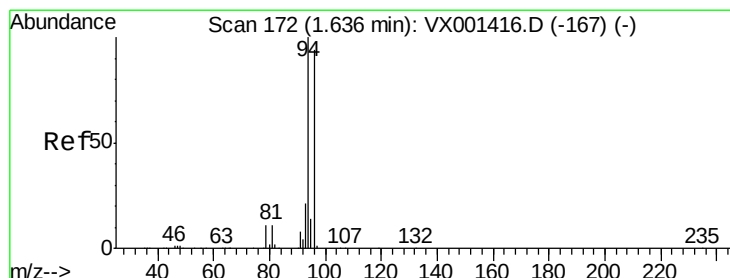
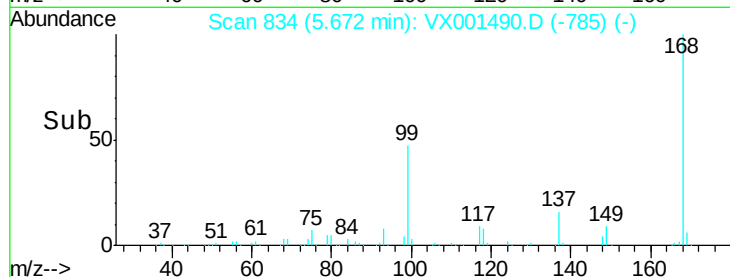
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001490.D

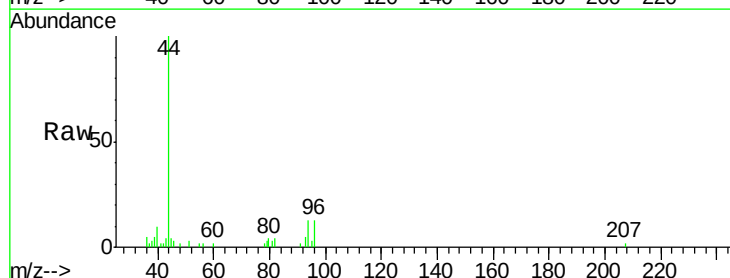
Acq: 08 May 2018 02:53

Tgt Ion: 94 Resp: 973

Ion Ratio Lower Upper

94 100

96 96.8 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

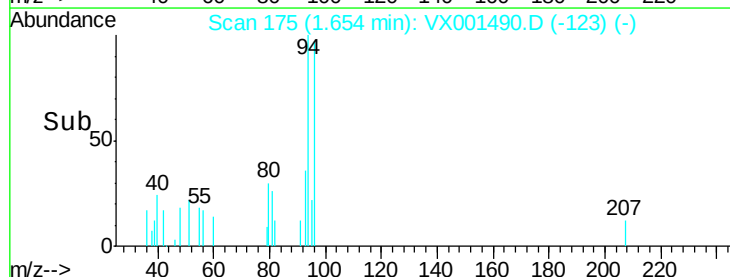
300

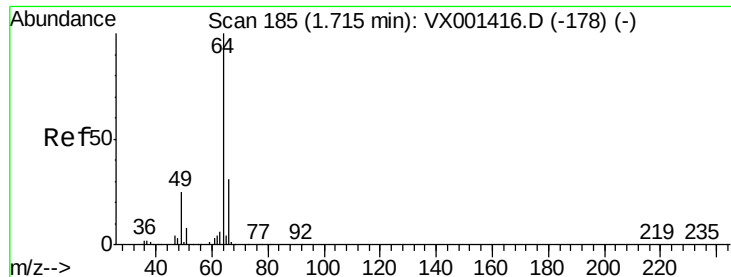
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.89 ug/l

RT: 1.81 min Scan# 201

Delta R.T. 0.10 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

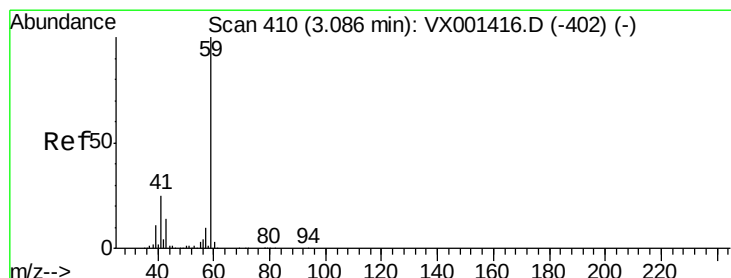
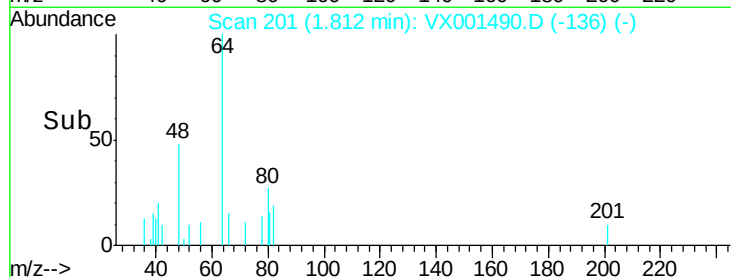
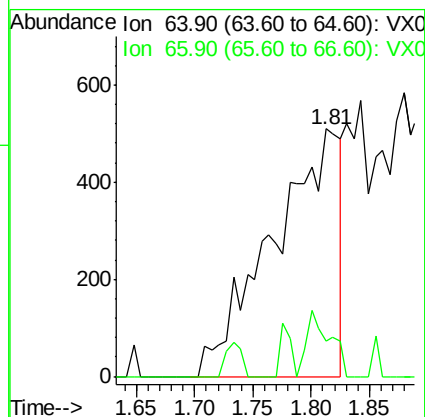
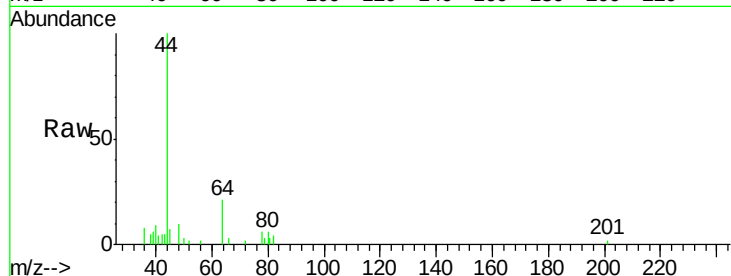
LS-SOIL-PILE-1B

Tgt Ion: 64 Resp: 2048

Ion Ratio Lower Upper

64 100

66 14.5 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.28 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001490.D

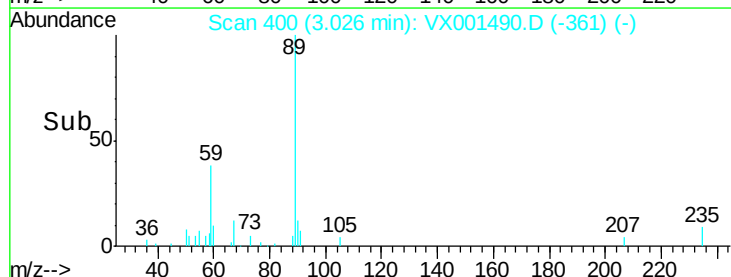
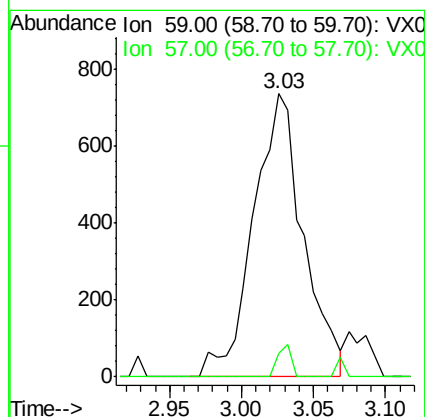
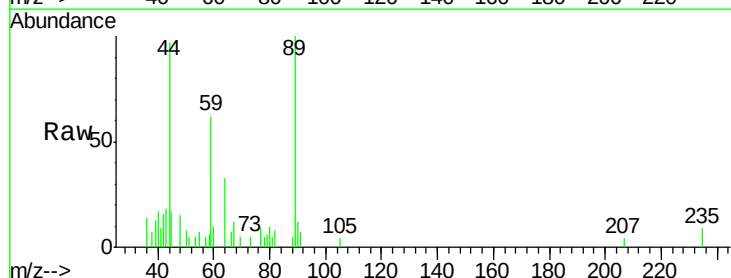
Acq: 08 May 2018 02:53

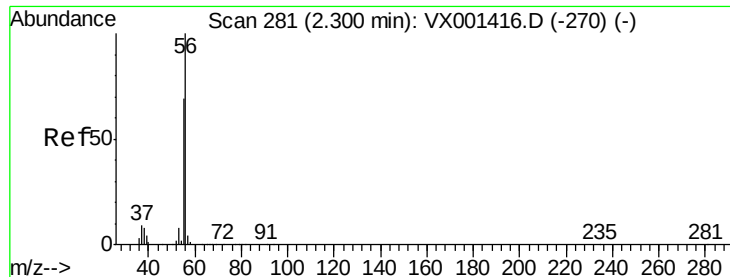
Tgt Ion: 59 Resp: 1760

Ion Ratio Lower Upper

59 100

57 3.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

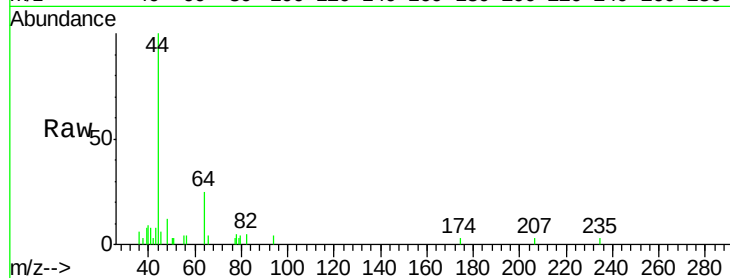
LS-SOIL-PILE-1B

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

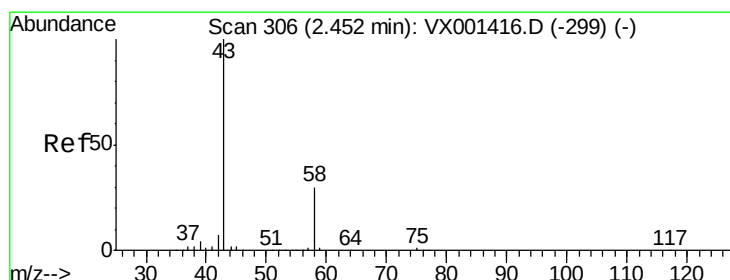
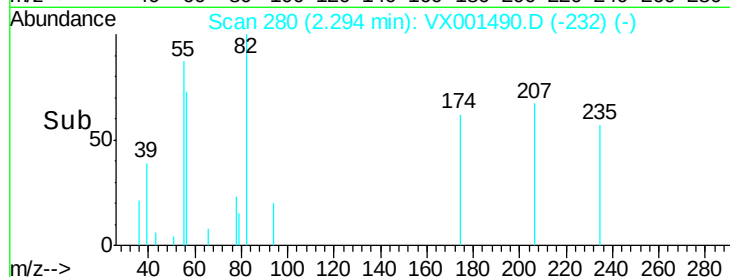
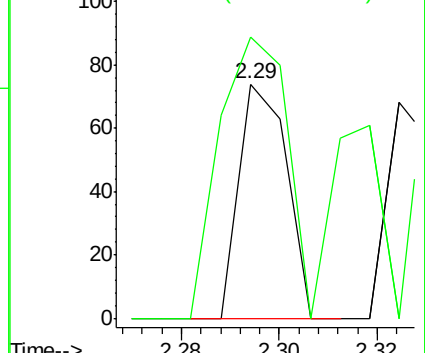
56 100

55 170.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.07 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001490.D

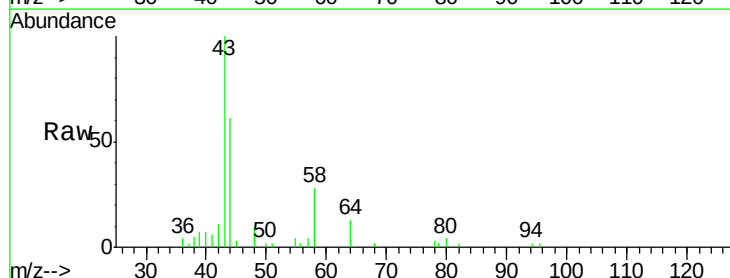
Acq: 08 May 2018 02:53

Tgt Ion: 43 Resp: 5105

Ion Ratio Lower Upper

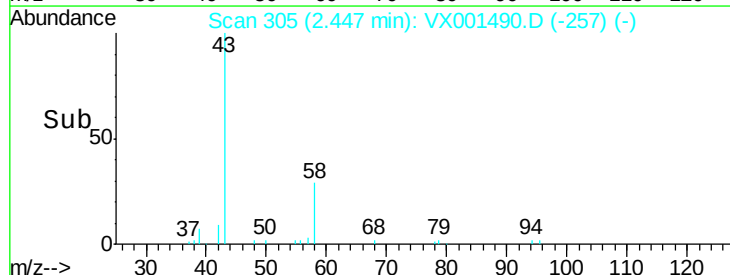
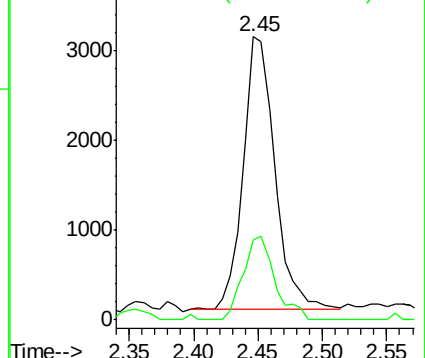
43 100

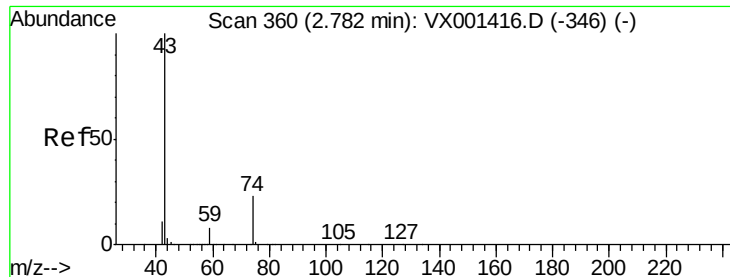
58 29.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

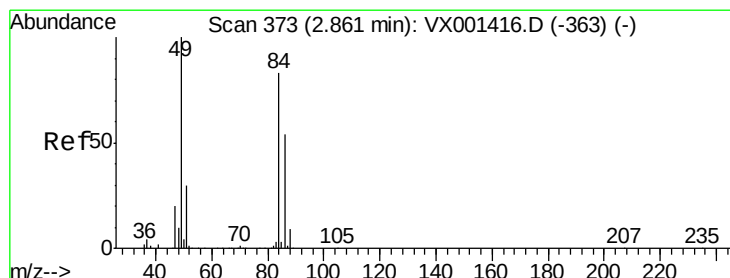
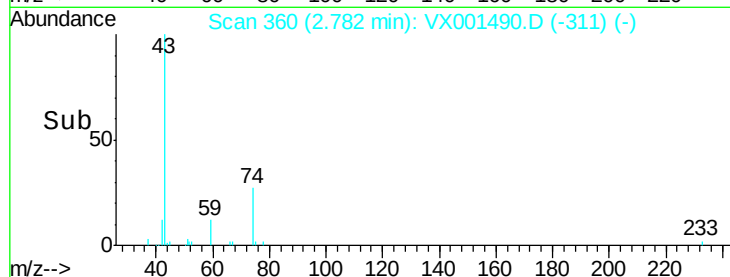
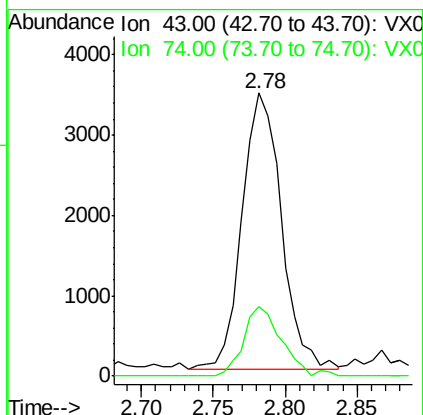
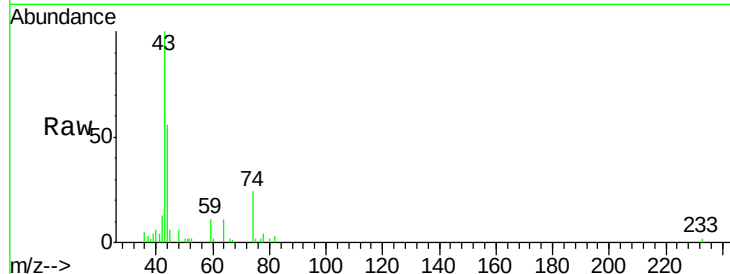




#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

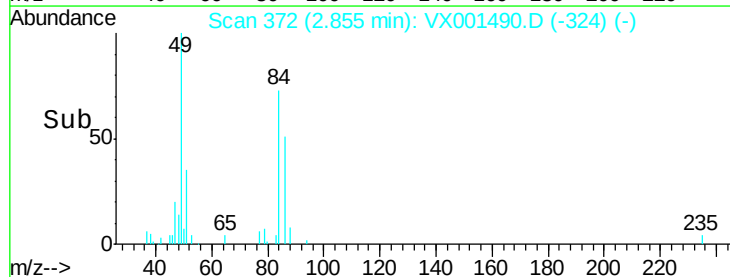
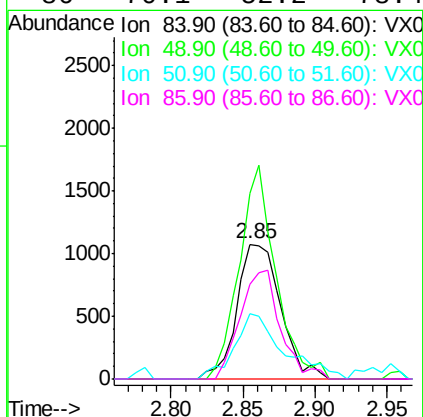
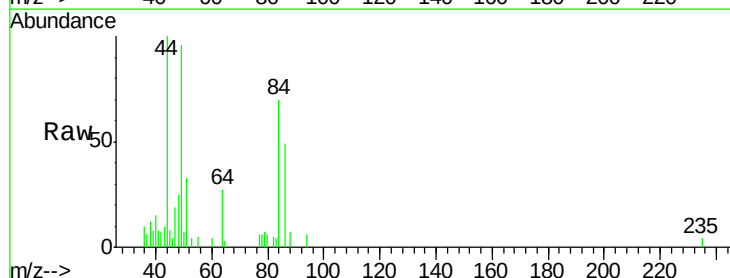
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-PILE-1B

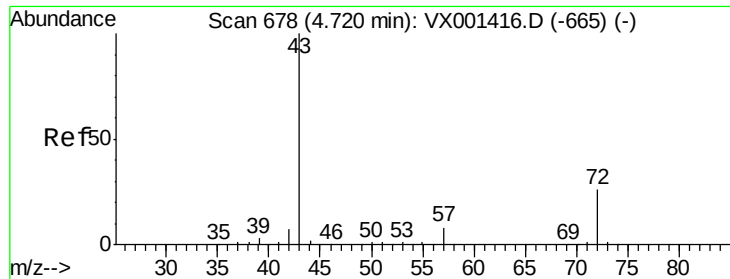
Tgt Ion: 43 Resp: 6503
Ion Ratio Lower Upper
43 100
74 24.2 18.6 27.8



#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

Tgt Ion: 84 Resp: 2265
Ion Ratio Lower Upper
84 100
49 137.0 96.6 144.8
51 48.0 29.0 43.4#
86 70.1 52.2 78.4





#25

2-Butanone

Concen: 0.38 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampled :

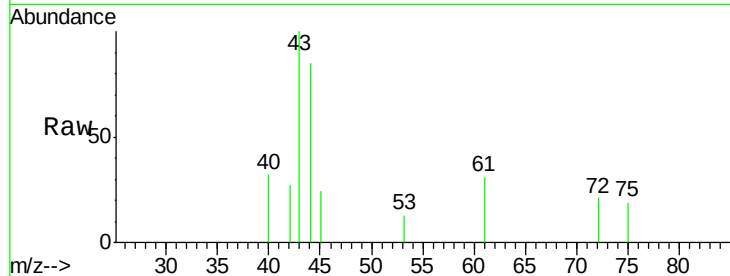
LS-SOIL-PILE-1B

Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

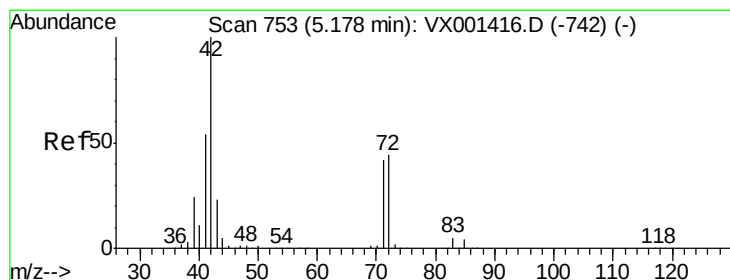
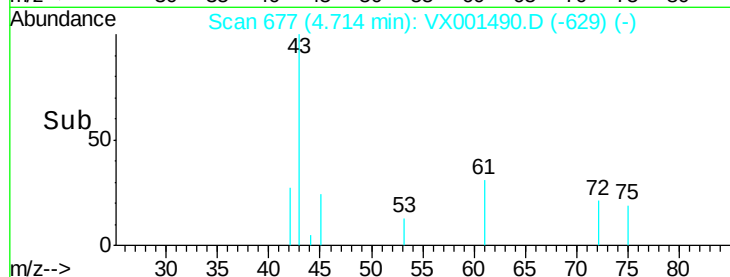
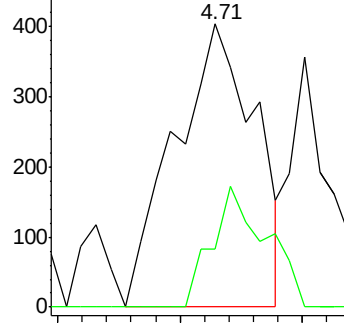
43 100

72 20.6 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.66 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

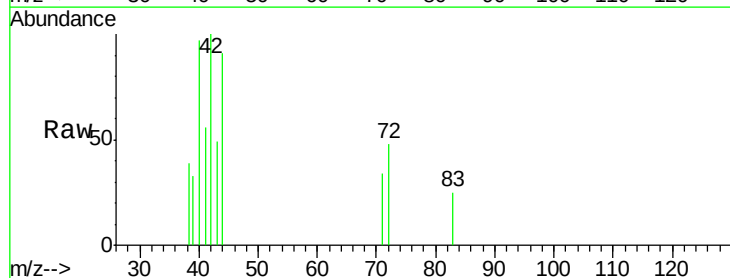
Tgt Ion: 42 Resp: 1013

Ion Ratio Lower Upper

42 100

72 23.3 35.4 53.2#

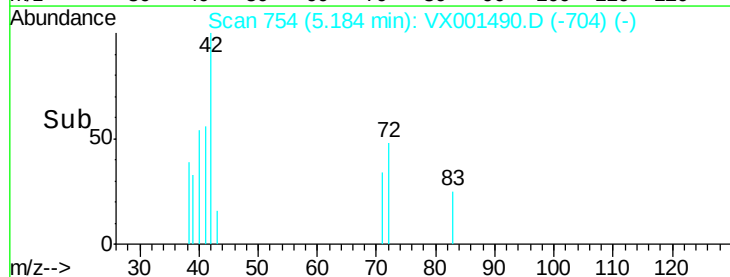
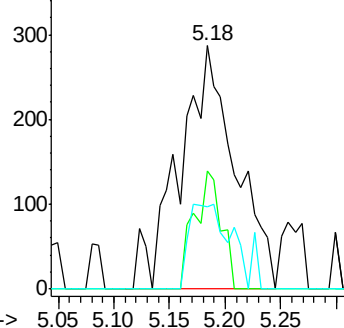
71 25.2 33.0 49.4#

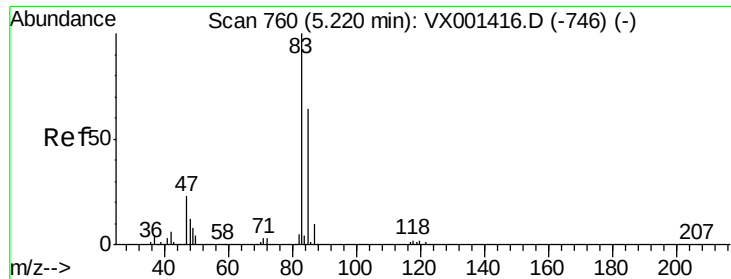


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

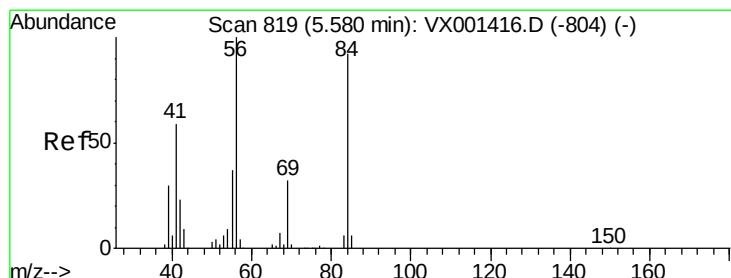
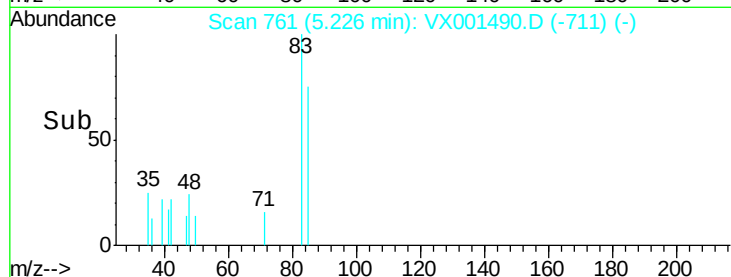
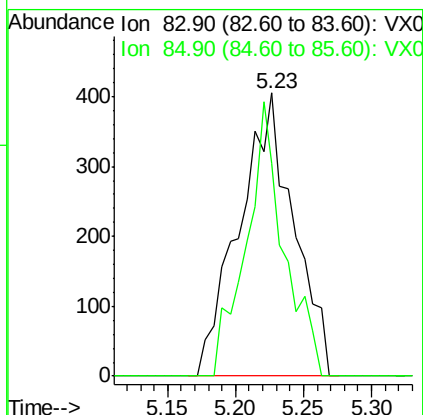
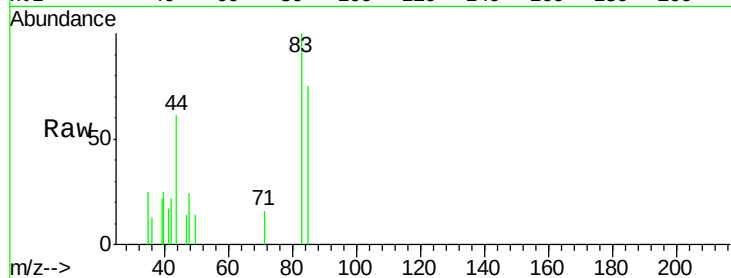




#30
Chloroform
Concen: 0.20 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

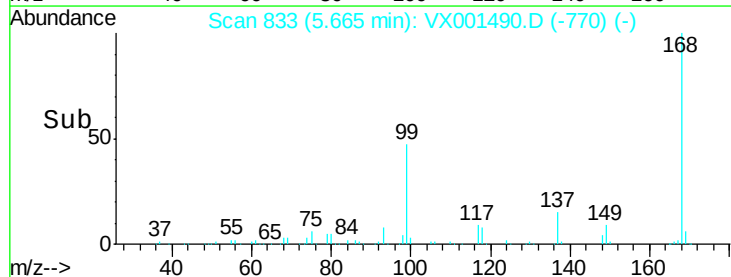
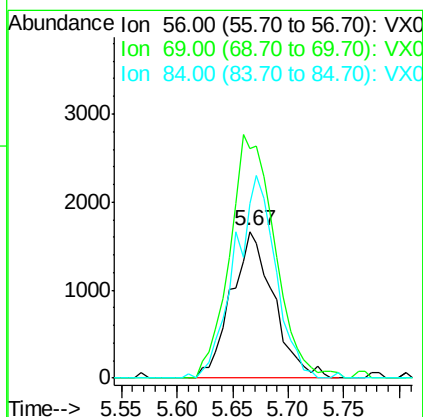
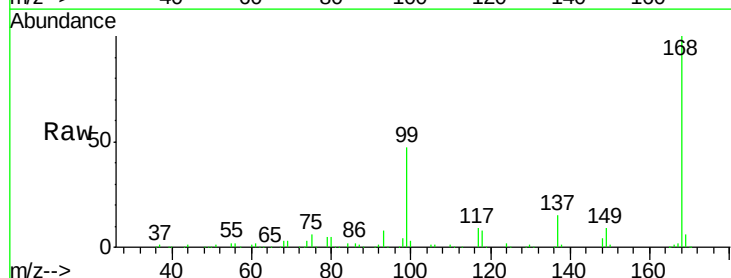
Instrument :
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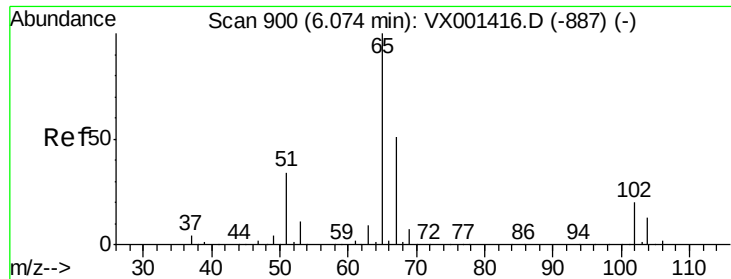
Tgt Ion: 83 Resp: 1137
Ion Ratio Lower Upper
83 100
85 75.1 51.0 76.4



#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

Tgt Ion: 56 Resp: 4421
Ion Ratio Lower Upper
56 100
69 157.1 25.4 38.0#
84 115.7 73.8 110.8#

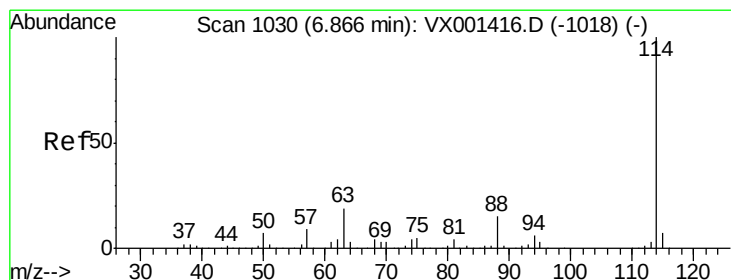
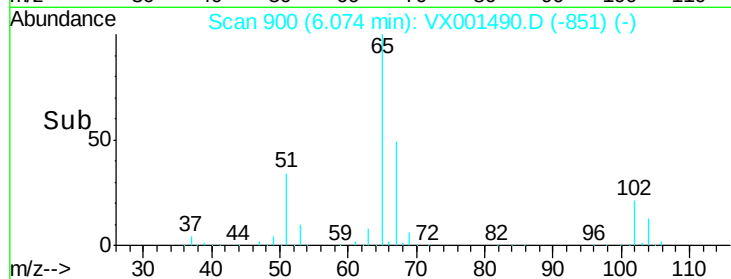
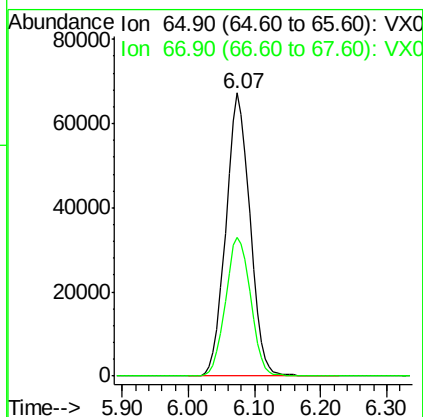
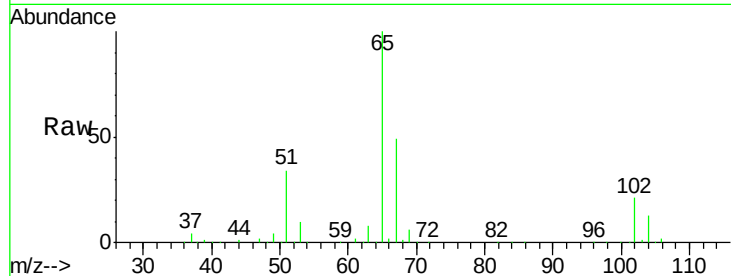




#33
 1,2-Dichloroethane-d4
 Concen: 46.39 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001490.D
 Acq: 08 May 2018 02:53

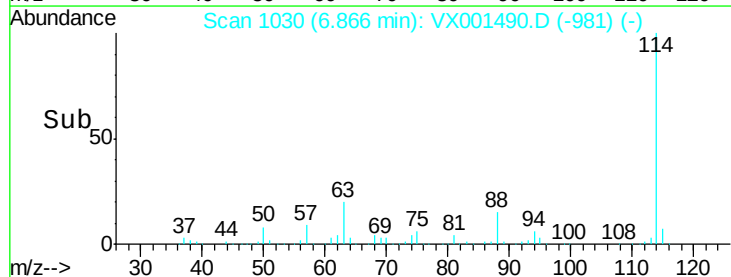
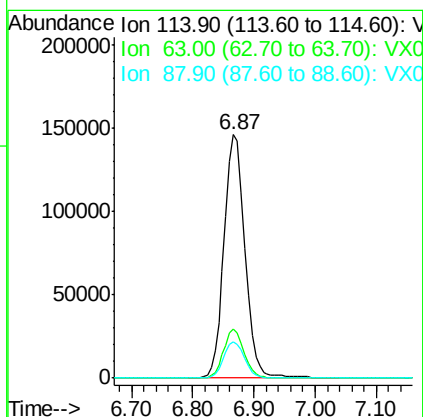
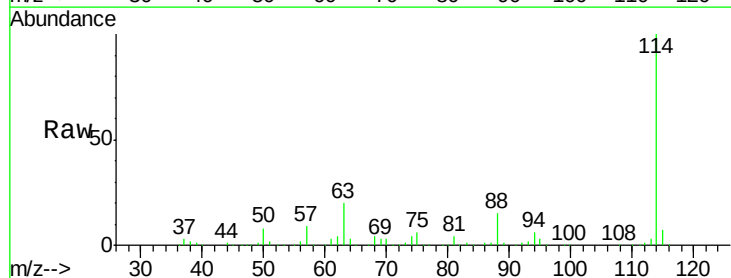
Instrument :
 MSVOA_X
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 LS-SOIL-PILE-1B

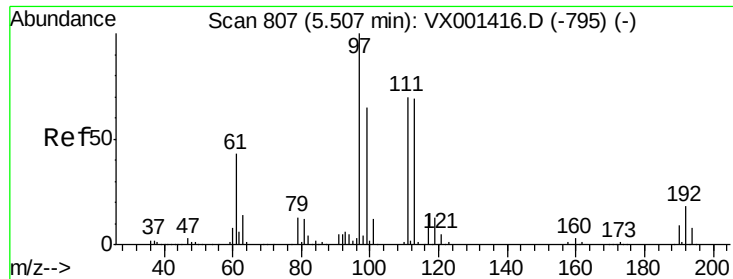
Tgt Ion: 65 Resp: 169897
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001490.D
 Acq: 08 May 2018 02:53

Tgt Ion: 114 Resp: 346509
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 14.7 0.0 30.8

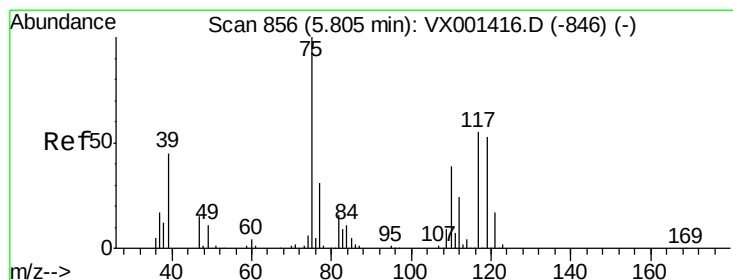
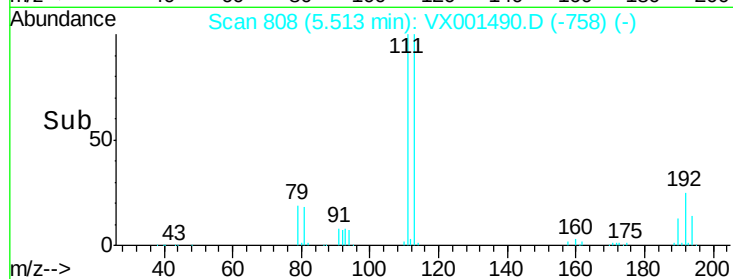
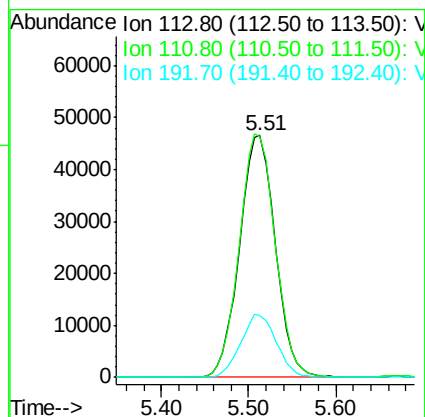
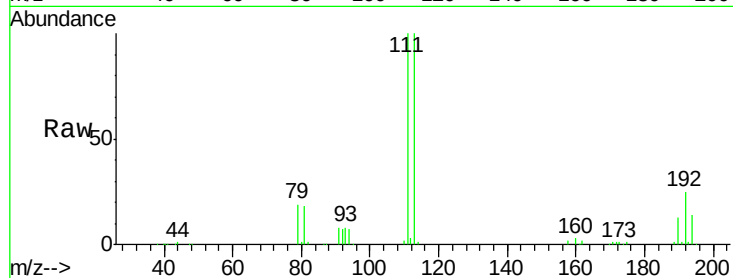




#35
 Dibromofluoromethane
 Concen: 42.99 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001490.D
 Acq: 08 May 2018 02:53

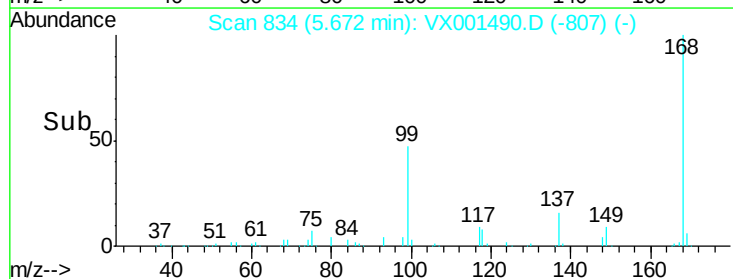
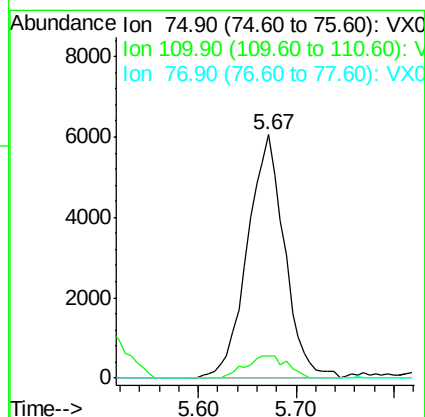
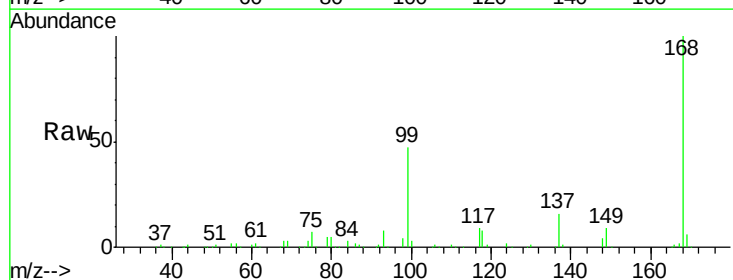
Instrument :
 MSVOA_X
 ClientSampleId :
 LS-SOIL-PILE-1B

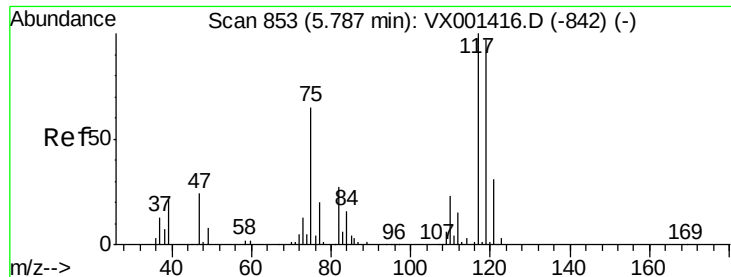
Tgt Ion:113 Resp: 132489
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.2
 192 25.9 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001490.D
 Acq: 08 May 2018 02:53

Tgt Ion: 75 Resp: 15949
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampled :

LS-SOIL-PILE-1B

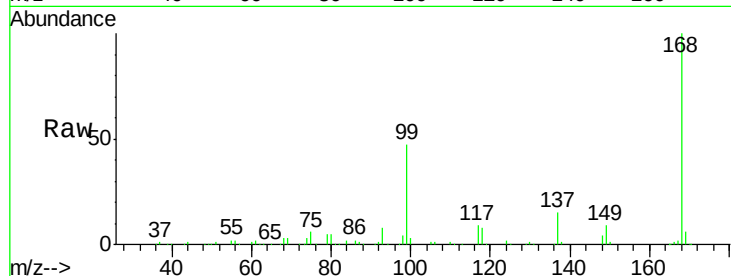
Tgt Ion:117 Resp: 21971

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

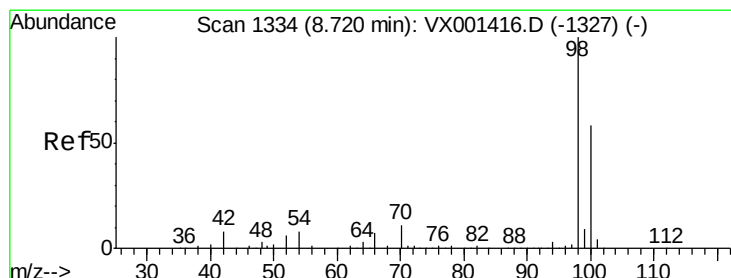
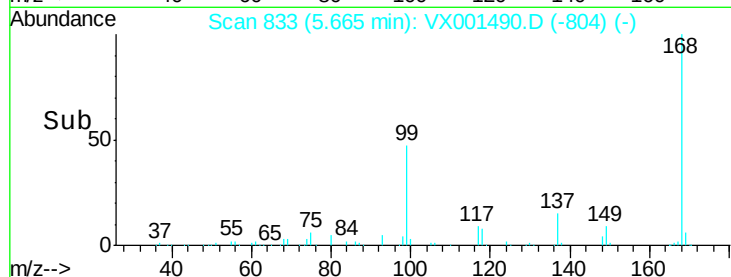
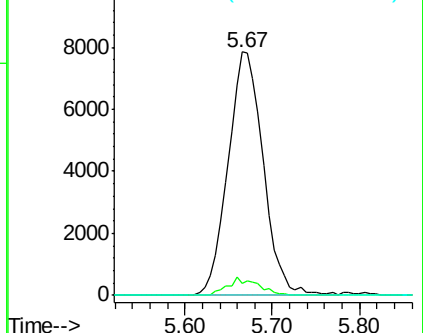
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 42.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001490.D

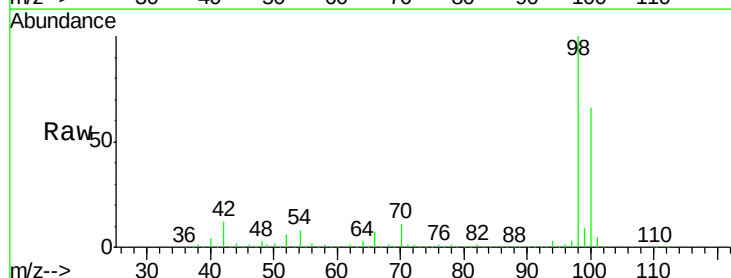
Acq: 08 May 2018 02:53

Tgt Ion: 98 Resp: 478218

Ion Ratio Lower Upper

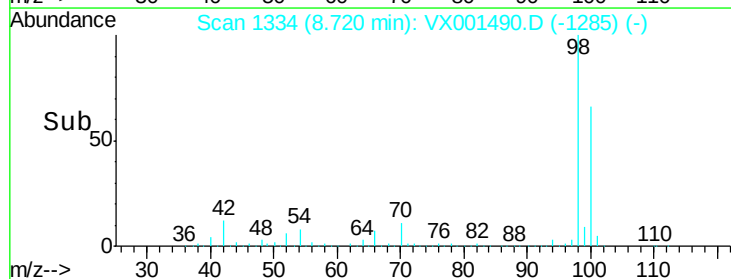
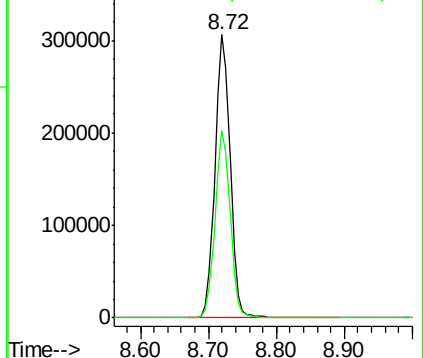
98 100

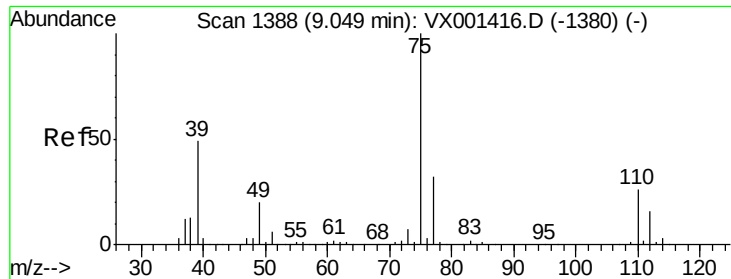
100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

LS-SOIL-PILE-1B

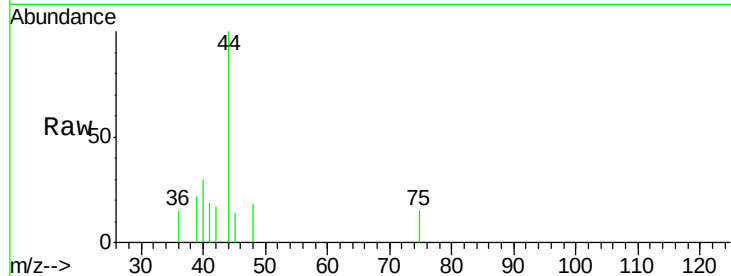
Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 147.4 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150

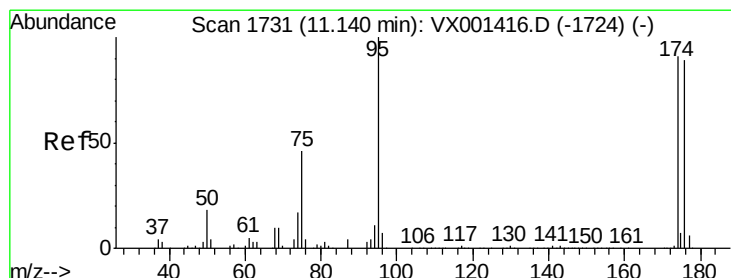
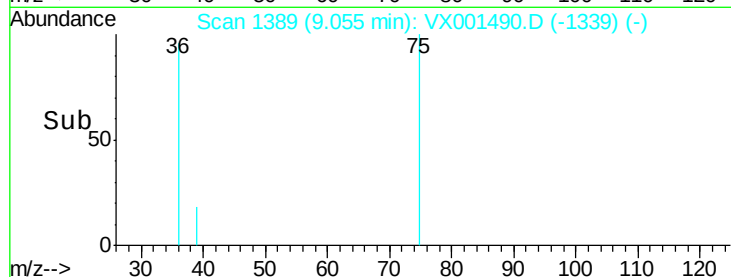
100

50

0

9.04 9.05 9.06 9.07

Time-->



#62

4-Bromofluorobenzene

Concen: 36.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

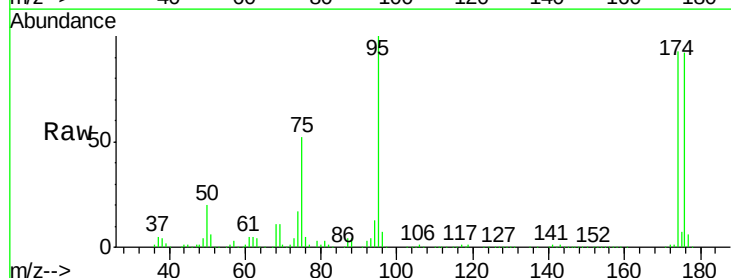
Tgt Ion: 95 Resp: 157725

Ion Ratio Lower Upper

95 100

174 101.4 0.0 202.0

176 98.4 0.0 197.4



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

150000

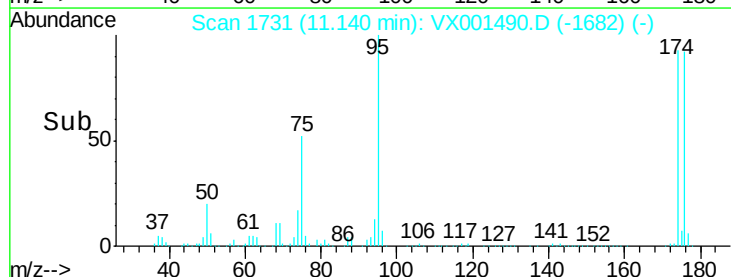
100000

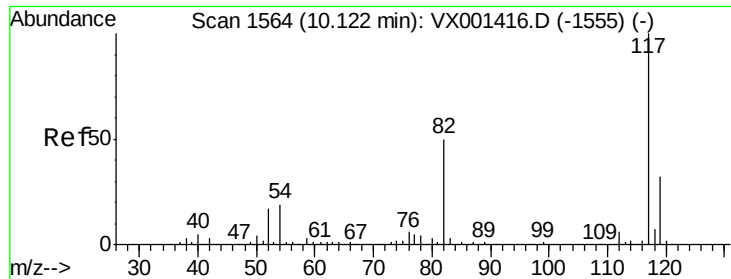
50000

0

11.10 11.14 11.20

Time-->

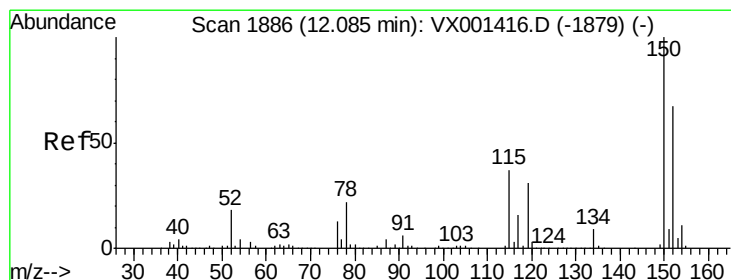
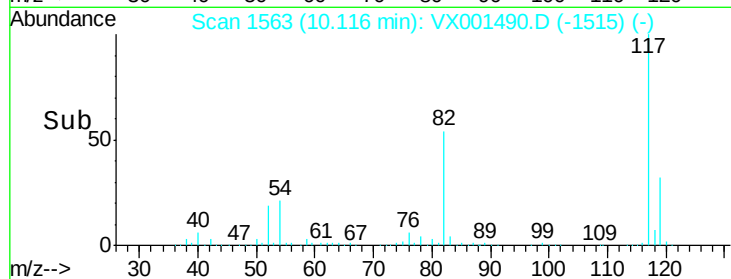
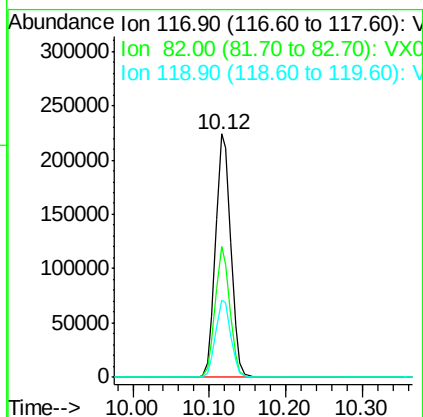
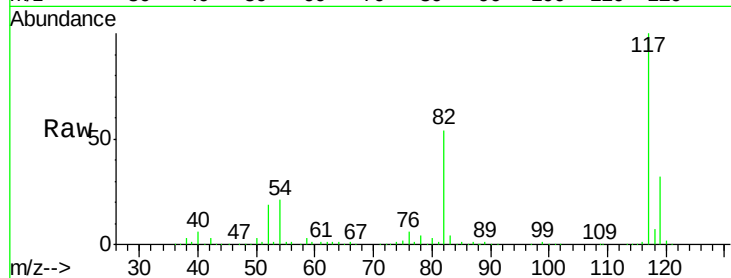




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

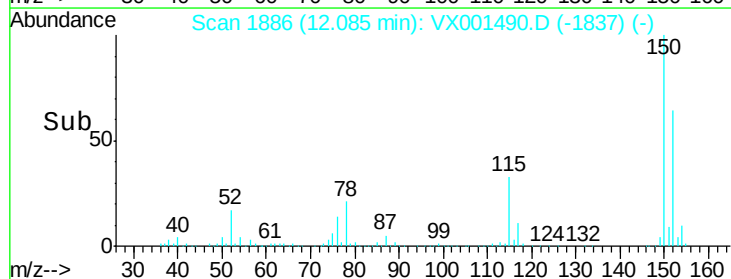
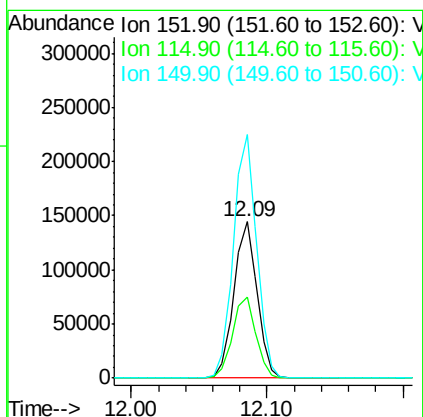
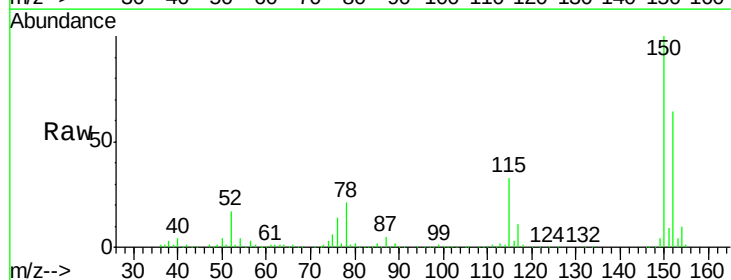
Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-PILE-1B

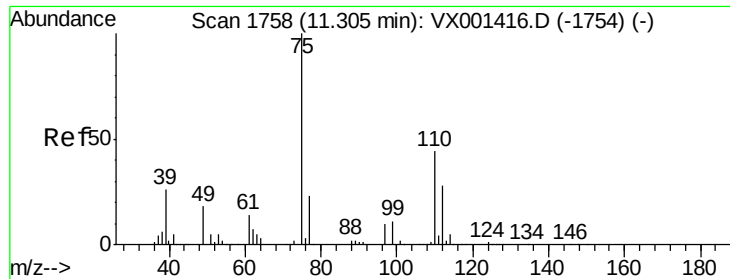
Tgt Ion:117 Resp: 309418
Ion Ratio Lower Upper
117 100
82 53.8 40.0 60.0
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

Tgt Ion:152 Resp: 170966
Ion Ratio Lower Upper
152 100
115 52.4 37.7 113.1
150 156.0 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 23.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

Instrument :

MSVOA_X

ClientSampleId :

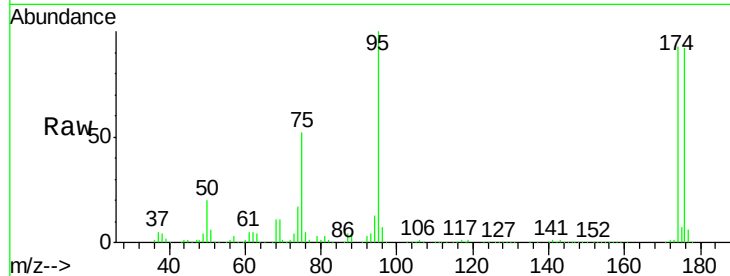
LS-SOIL-PILE-1B

Tgt Ion: 75 Resp: 79868

Ion Ratio Lower Upper

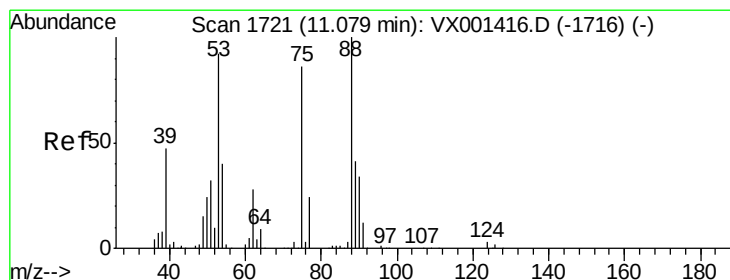
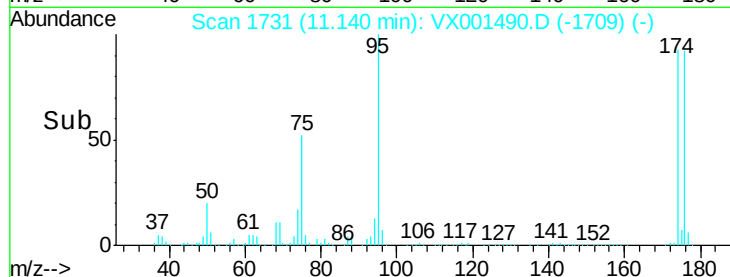
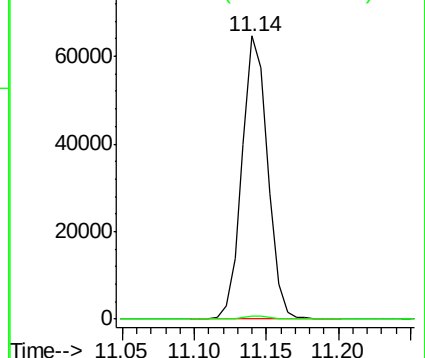
75 100

77 1.3 19.6 58.7#



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: 71.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001490.D

Acq: 08 May 2018 02:53

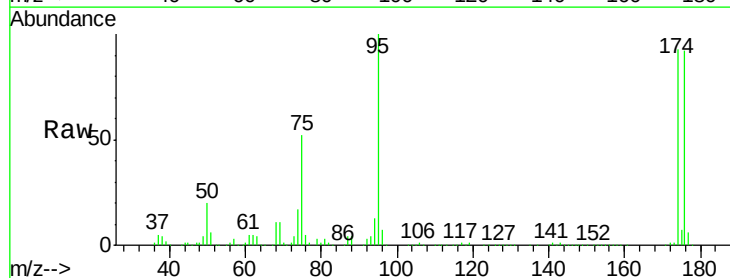
Tgt Ion: 75 Resp: 79868

Ion Ratio Lower Upper

75 100

53 0.0 84.5 126.7#

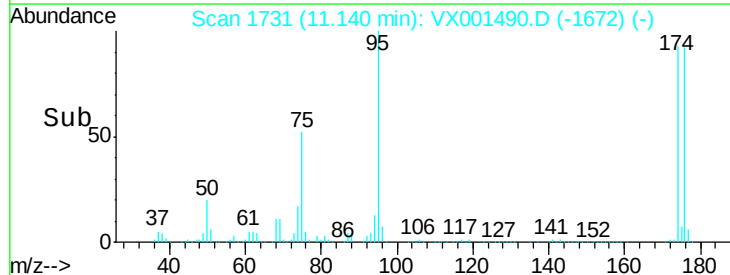
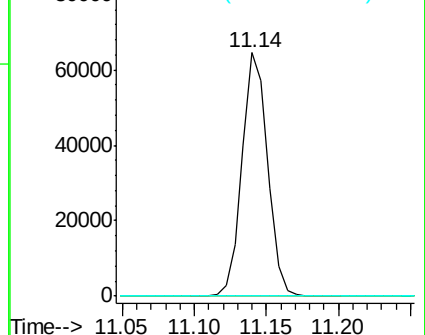
89 0.0 39.5 59.3#

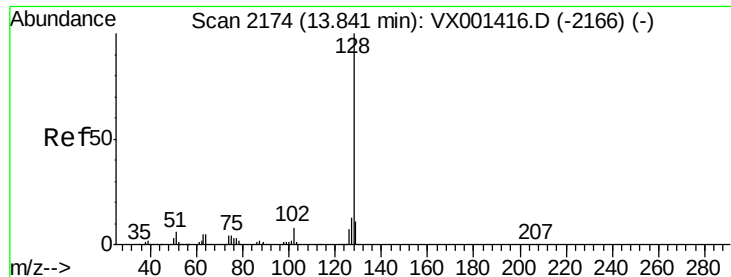


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.47 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001490.D
Acq: 08 May 2018 02:53

Instrument :
MSVOA_X
ClientSampleId :
LS-SOIL-PILE-1B

Tgt Ion:128 Resp: 6008
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 12.5 8.7 13.1

