

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025367.D
 Acq On : 13 Jul 2018 03:14
 Operator : MD/SY
 Sample : J3928-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Jul 13 05:25:55 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

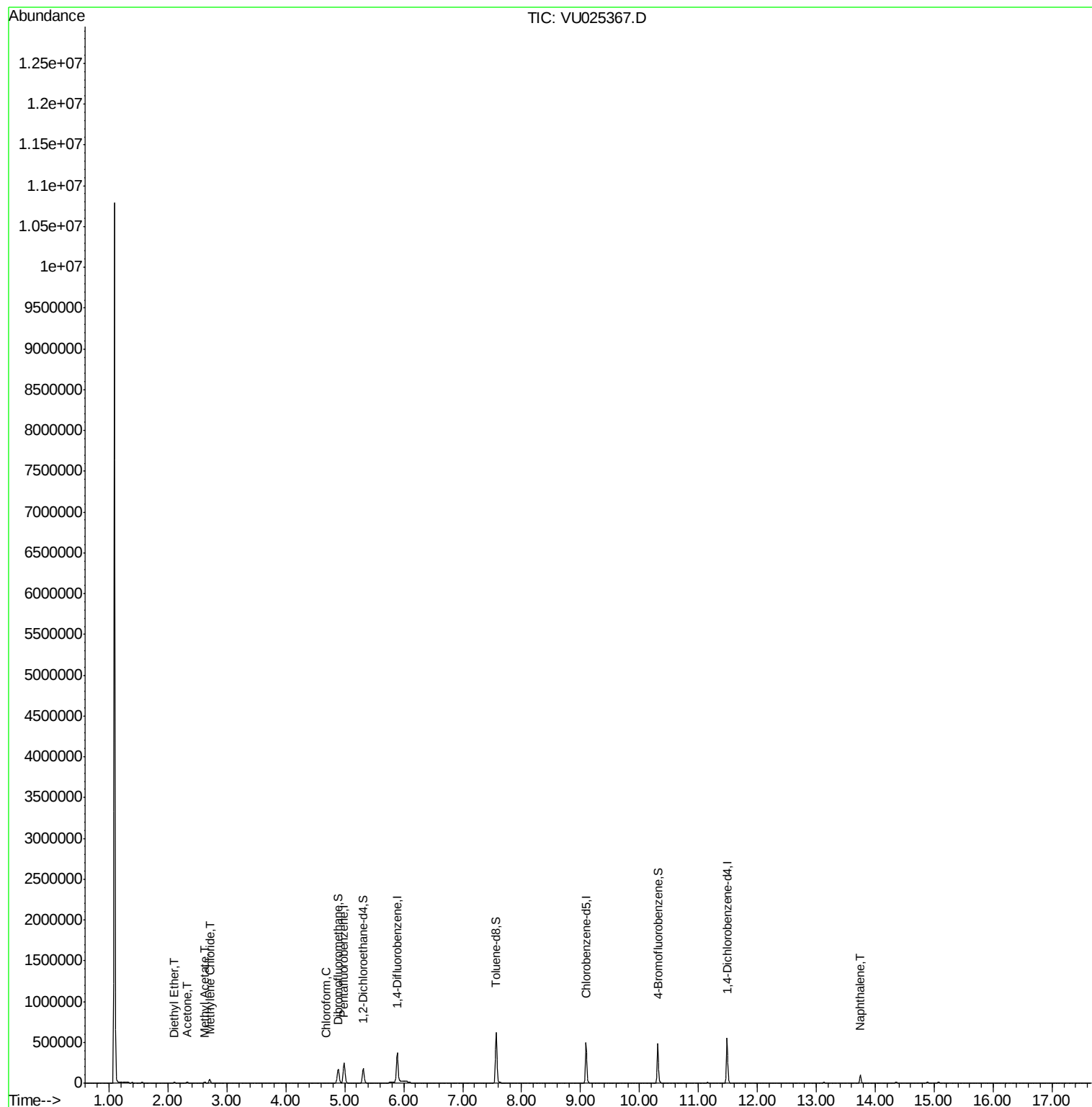
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297926	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143860	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	150619	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
35) Dibromofluoromethane	4.89	113	115771	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
50) Toluene-d8	7.57	98	428716	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	10.31	95	155917	45.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.00%	
Target Compounds						
8) Diethyl Ether	2.11	74	1609	1.253	ug/l	73
16) Acetone	2.32	43	16919	15.795	ug/l	98
18) Methyl Acetate	2.62	43	17056	5.599	ug/l	99
20) Methylene Chloride	2.71	84	21339	9.835	ug/l	98
30) Chloroform	4.68	83	4455	1.038	ug/l	97
95) Naphthalene	13.75	128	83712	9.956	ug/l	99

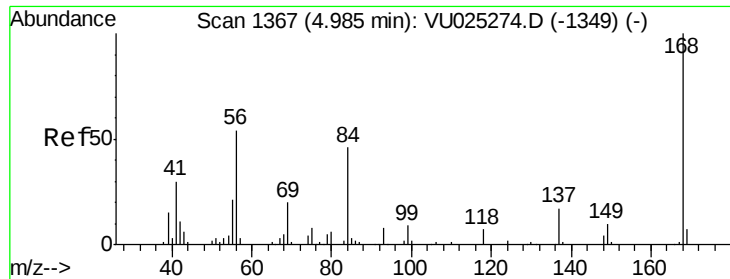
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

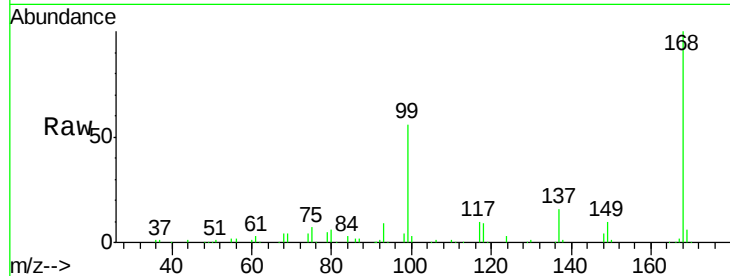
SOIL-CUTTINGS

Tot Ion:168 Resp: 191500

Ion Ratio Lower Upper

168 100

99 56.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

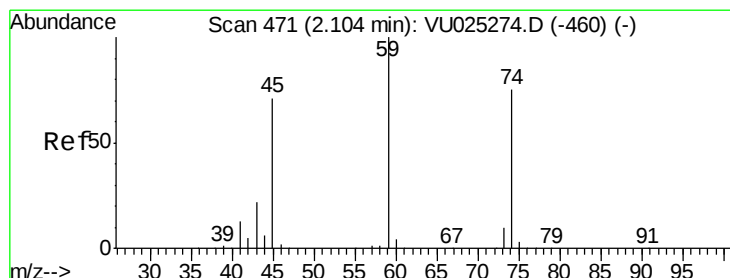
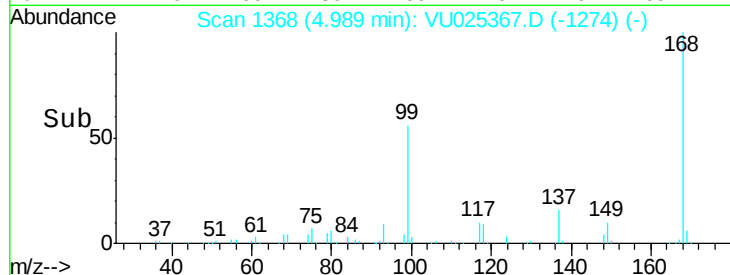
40000

20000

0

Time-->

4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.253 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU025367.D

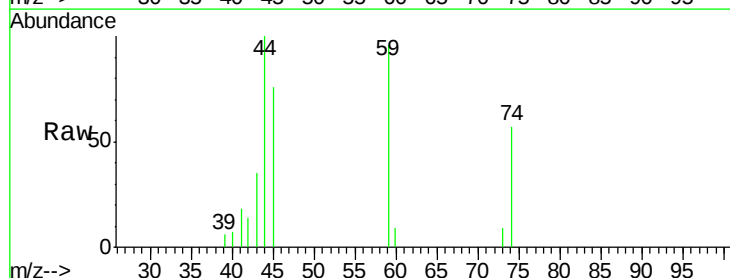
Acq: 13 Jul 2018 03:14

Tgt Ion: 74 Resp: 1609

Ion Ratio Lower Upper

74 100

45 123.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU025274.D (-460) (-)

Ion 45.00 (44.70 to 45.70): VU025274.D (-460) (-)

2.11

1500

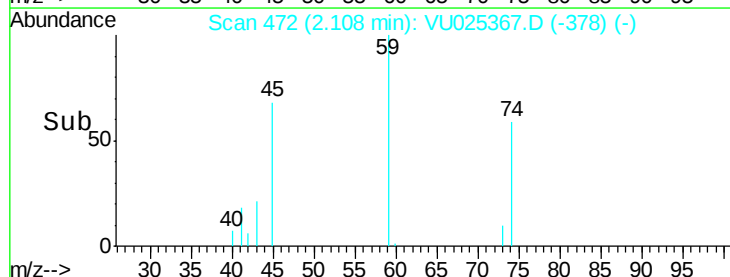
1000

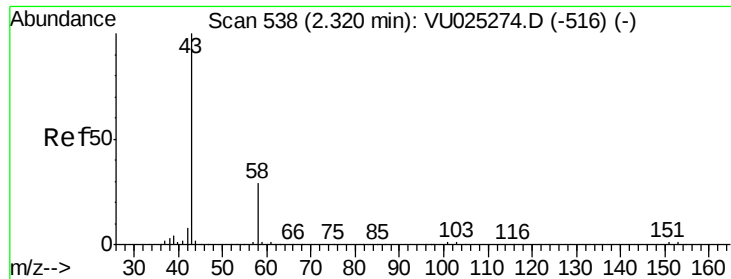
500

0

Time-->

2.10 2.15





#16

Acetone

Concen: 15.795 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

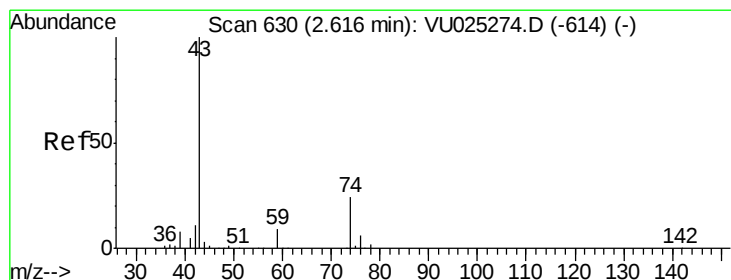
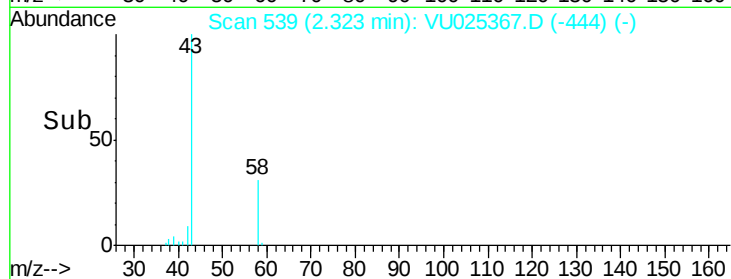
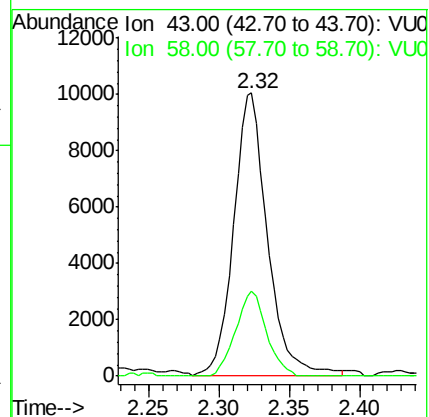
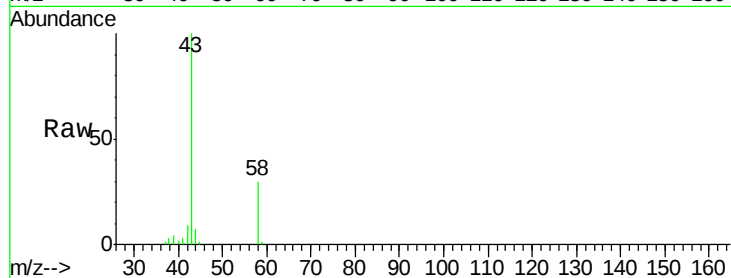
SOIL-CUTTINGS

Tot Ion: 43 Resp: 16919

Ion Ratio Lower Upper

43 100

58 29.9 23.1 34.7



#18

Methyl Acetate

Concen: 5.599 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025367.D

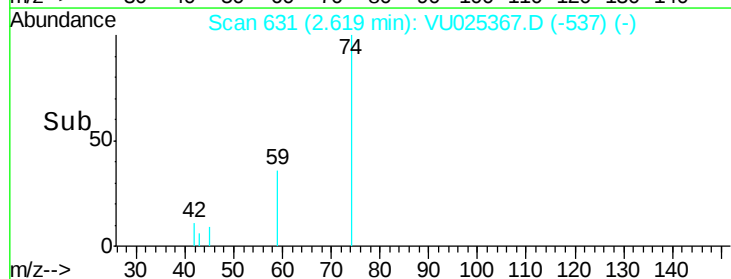
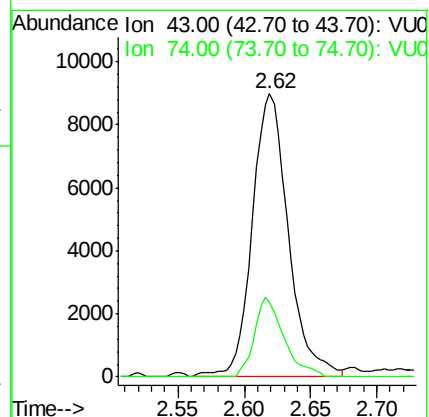
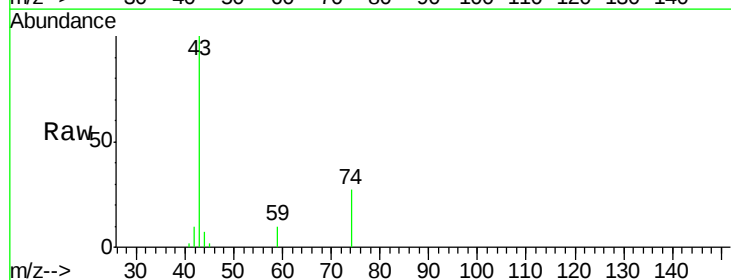
Acq: 13 Jul 2018 03:14

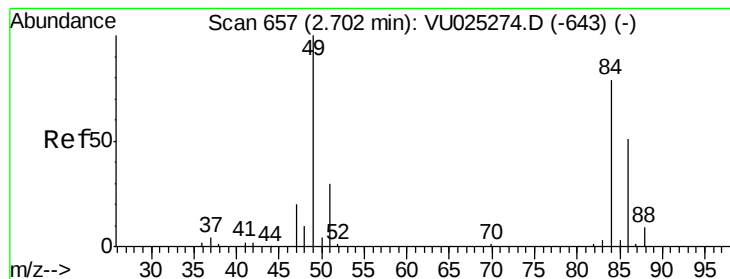
Tgt Ion: 43 Resp: 17056

Ion Ratio Lower Upper

43 100

74 22.8 18.5 27.7





#20

Methylene Chloride

Concen: 9.835 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

SOIL-CUTTINGS

Tot Ion: 84 Resp: 21339

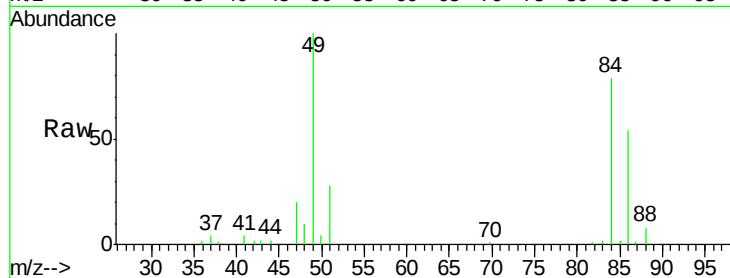
Ion Ratio Lower Upper

84 100

49 127.3 101.8 152.6

51 36.1 30.8 46.2

86 68.2 51.9 77.9

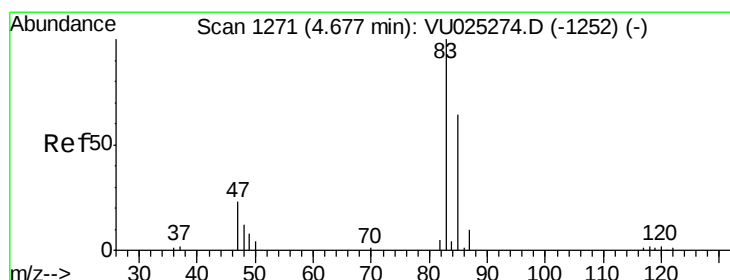
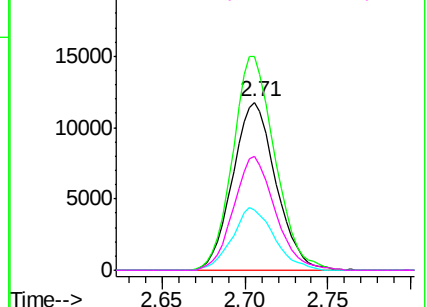
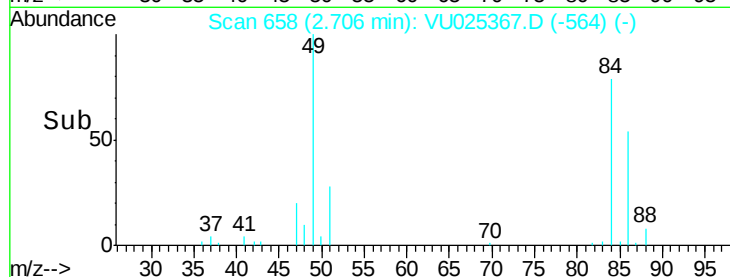


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#30

Chloroform

Concen: 1.038 ug/l

RT: 4.68 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU025367.D

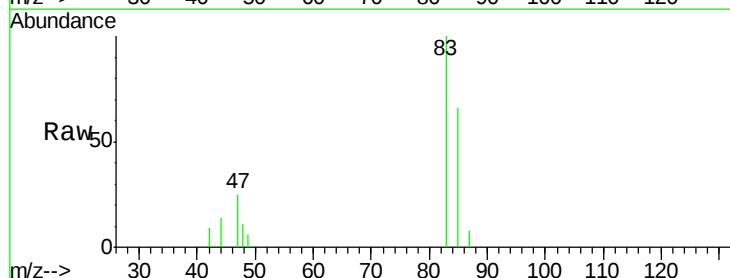
Acq: 13 Jul 2018 03:14

Tgt Ion: 83 Resp: 4455

Ion Ratio Lower Upper

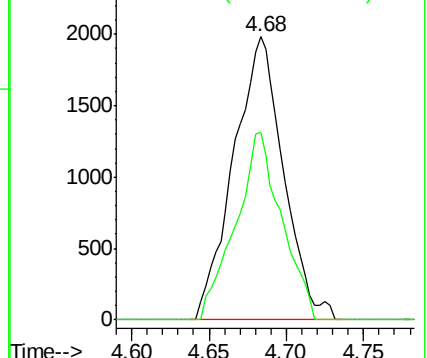
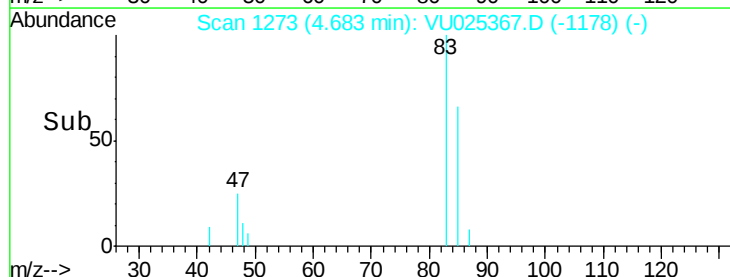
83 100

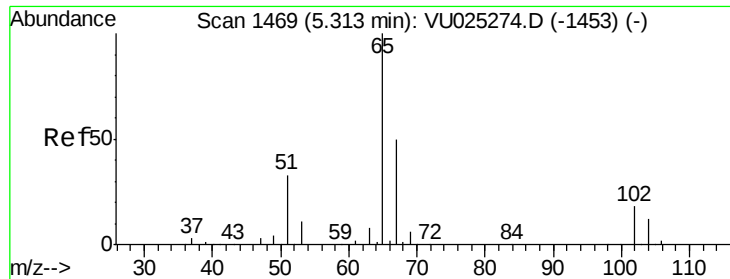
85 66.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 50.625 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

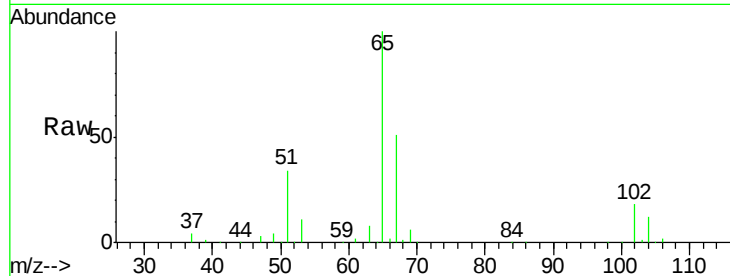
SOIL-CUTTINGS

Tot Ion: 65 Resp: 150619

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.6

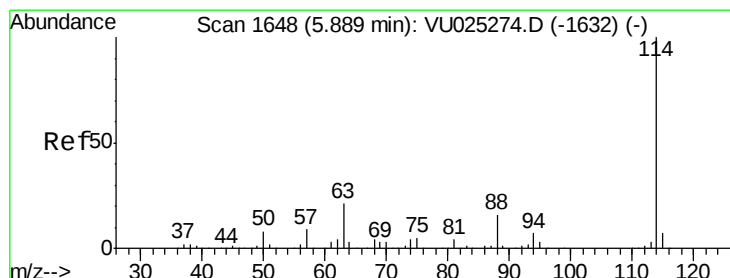
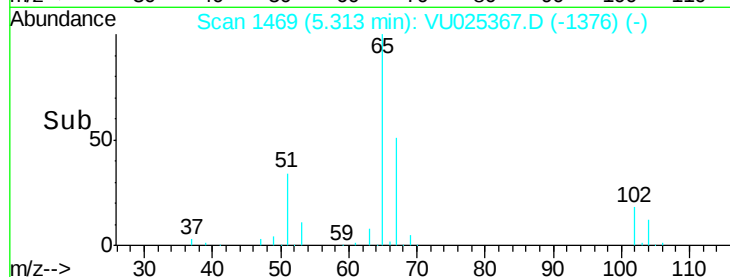


Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

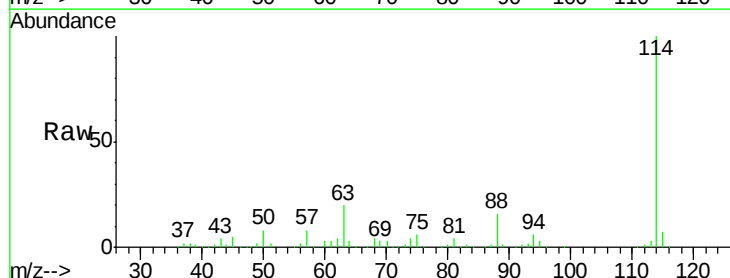
Tgt Ion: 114 Resp: 297926

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 16.0 0.0 32.4



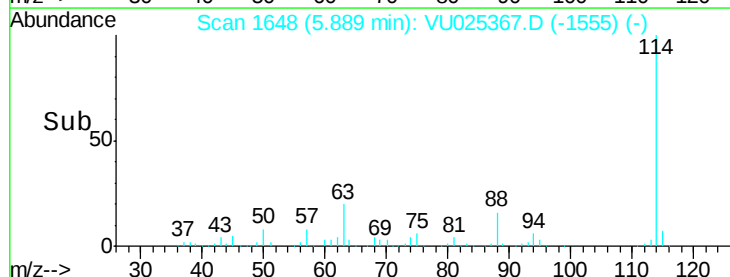
Abundance Ion 113.90 (113.60 to 114.60): VU025274.D (-1632) (-)

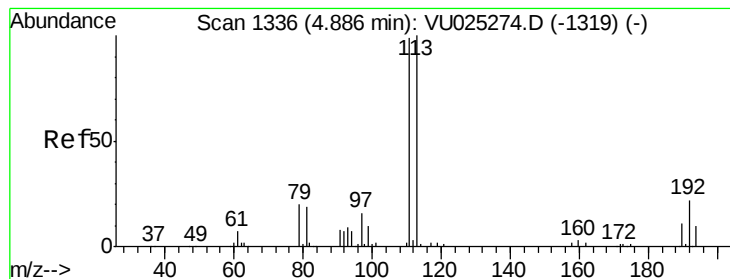
Ion 63.00 (62.70 to 63.70): VU025274.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025274.D (-1632) (-)

5.89

Time-->





#35

Dibromofluoromethane

Concen: 46.064 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

SOIL-CUTTINGS

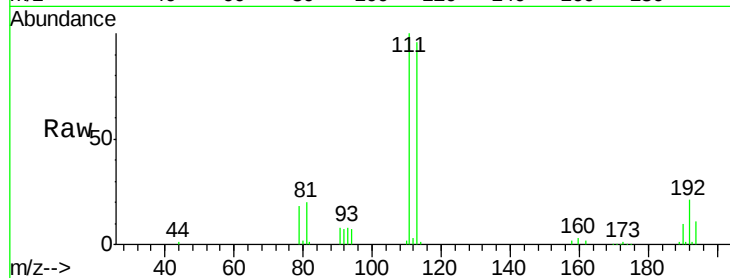
Tot Ion:113 Resp: 115771

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

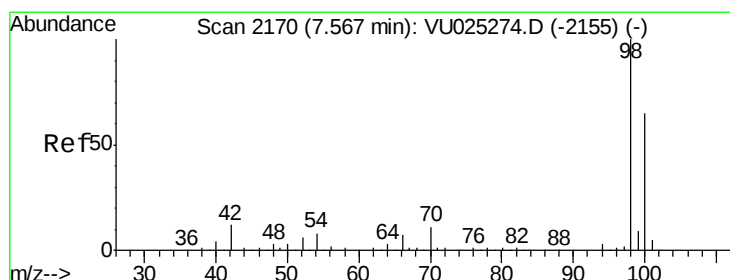
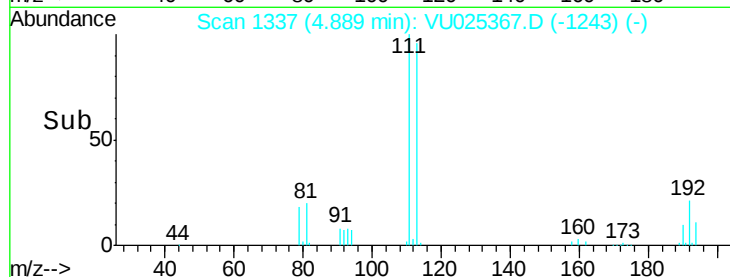
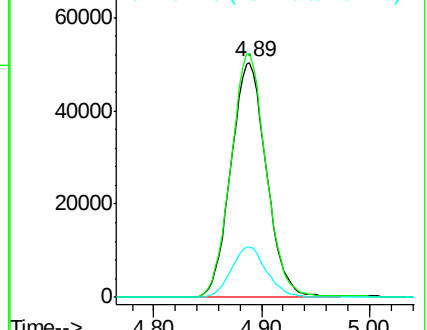
192 21.4 17.1 25.7



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



#50

Toluene-d8

Concen: 49.814 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025367.D

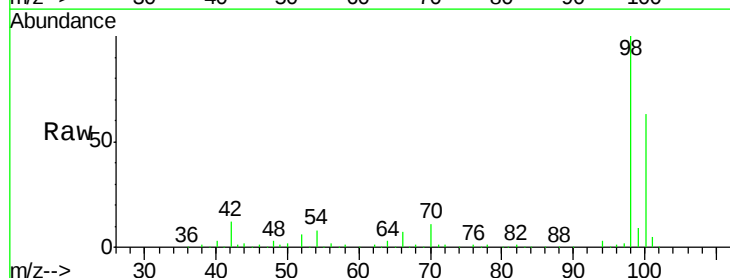
Acq: 13 Jul 2018 03:14

Tgt Ion: 98 Resp: 428716

Ion Ratio Lower Upper

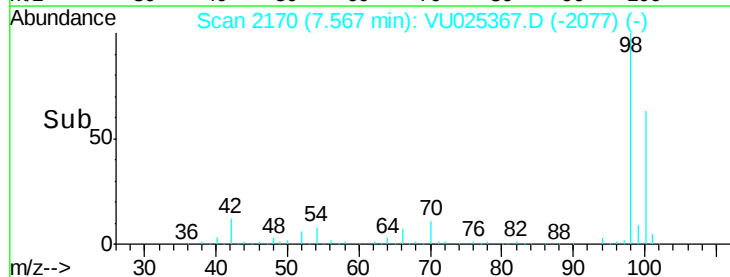
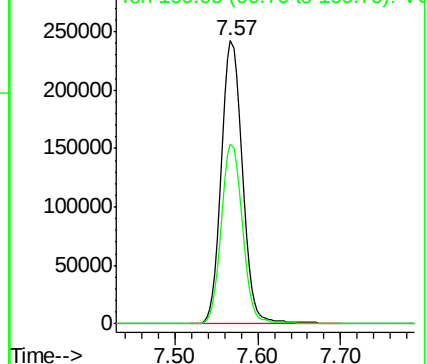
98 100

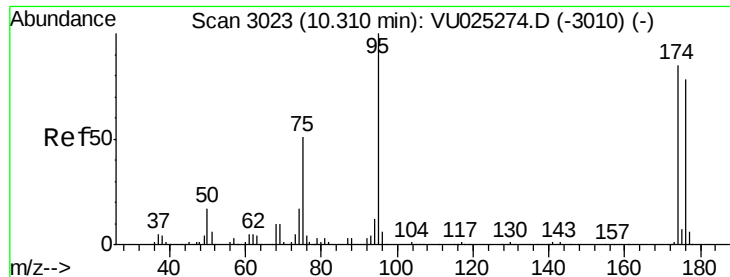
100 63.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

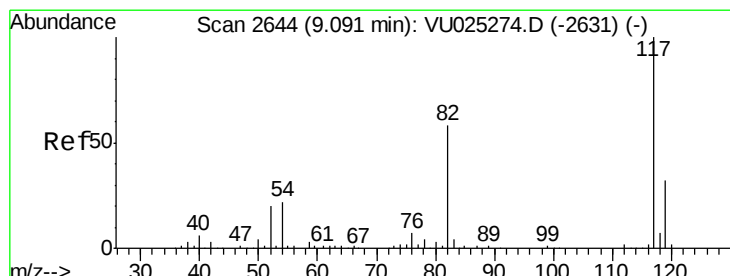
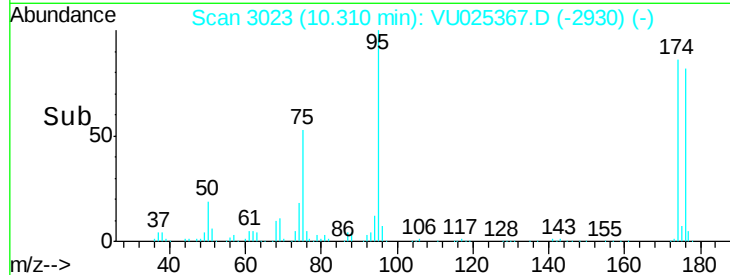
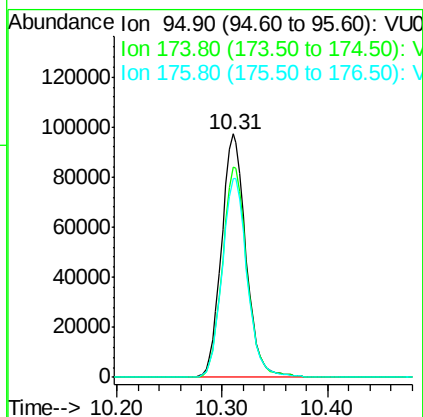
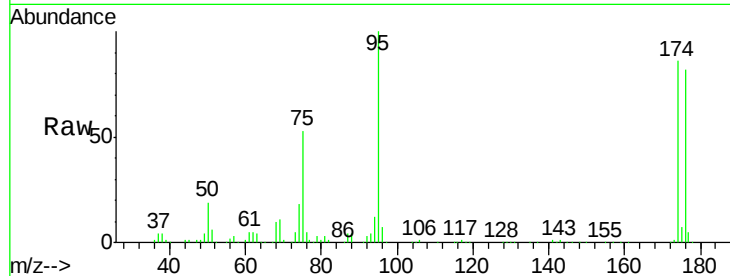




#62
 4-Bromofluorobenzene
 Concen: 44.999 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025367.D
 Acq: 13 Jul 2018 03:14

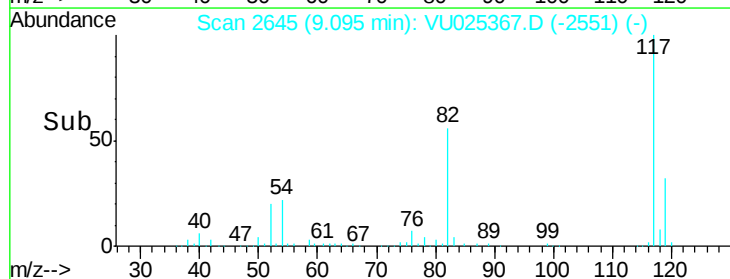
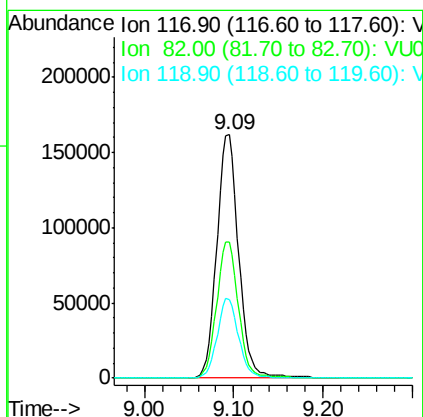
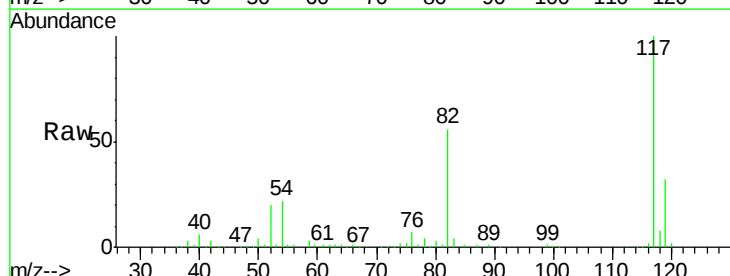
Instrument :
 MSVOA_U
 ClientSampleId :
 SOIL-CUTTINGS

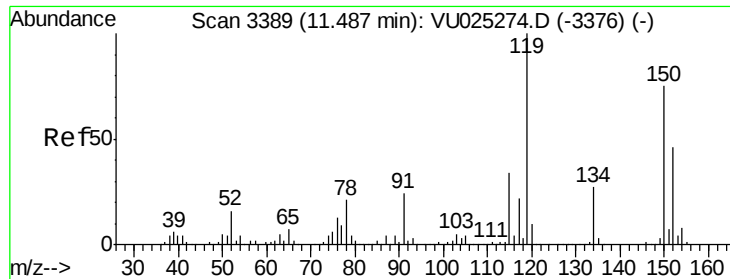
Tot Ion: 95 Resp: 155917
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 172.2
 176 83.3 0.0 162.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VU025367.D
 Acq: 13 Jul 2018 03:14

Tgt Ion: 117 Resp: 274810
 Ion Ratio Lower Upper
 117 100
 82 55.8 46.0 69.0
 119 32.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

Instrument :

MSVOA_U

ClientSampleId :

SOIL-CUTTINGS

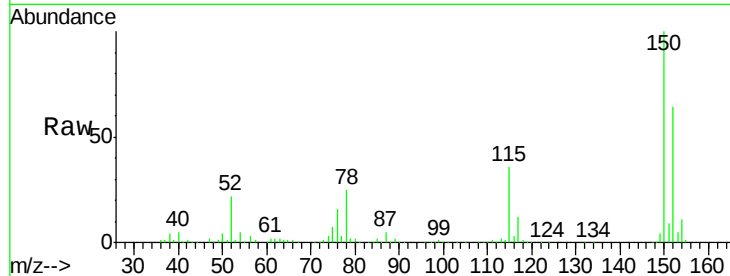
Tot Ion:152 Resp: 143860

Ion Ratio Lower Upper

152 100

115 57.4 40.1 120.3

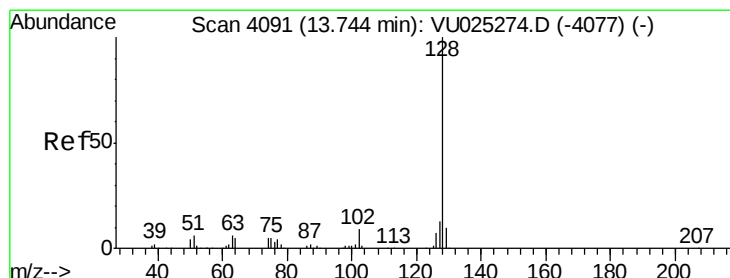
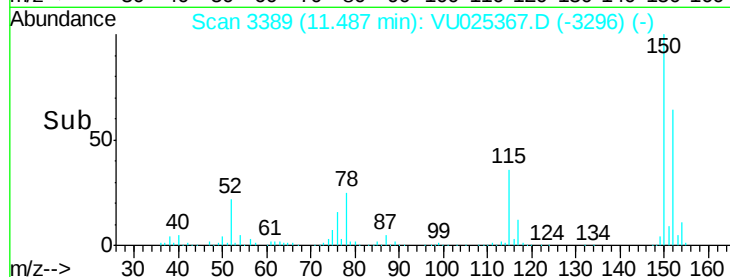
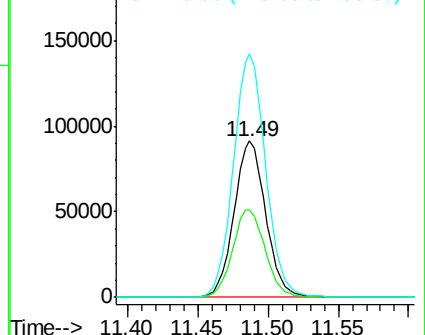
150 158.3 0.0 351.4



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



#95

Naphthalene

Concen: 9.956 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025367.D

Acq: 13 Jul 2018 03:14

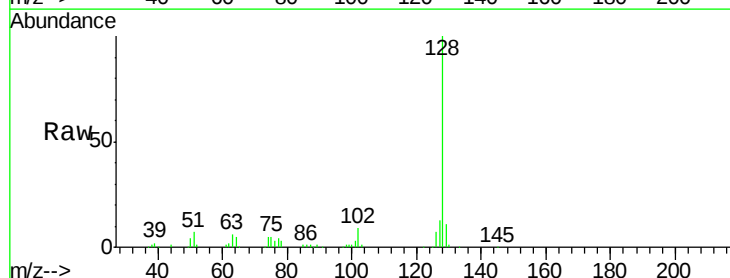
Tgt Ion:128 Resp: 83712

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.3 12.5



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

