

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100618\
 Data File : VU027468.D
 Acq On : 05 Oct 2018 21:06
 Operator : MD/SY
 Sample : J5237-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-SOIL

Quant Time: Oct 06 00:30:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	109914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	183029	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	103629	56.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.92%	
35) Dibromofluoromethane	4.89	113	72882	58.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.20%	
50) Toluene-d8	7.57	98	281977	60.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.12%	
62) 4-Bromofluorobenzene	10.31	95	102075	58.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.02%	

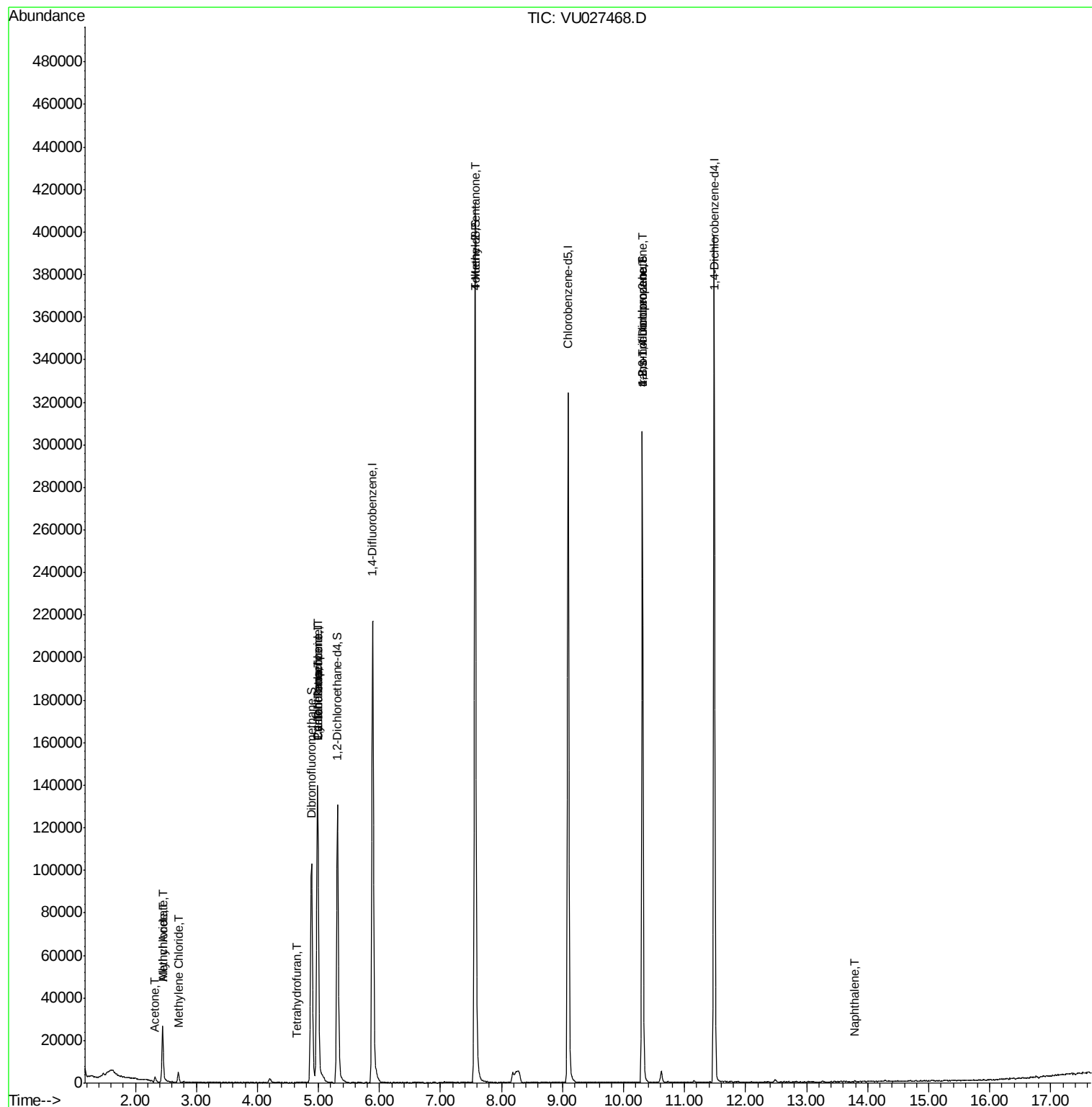
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	2.45	41	2636	0.956	ug/l #	73
16) Acetone	2.32	43	2787	2.570	ug/l	94
18) Methyl Acetate	2.44	43	6508	2.631	ug/l #	56
20) Methylene Chloride	2.70	84	2176	1.441	ug/l	87
29) Tetrahydrofuran	4.66	42	221	0.237	ug/l #	39
31) Cyclohexane	4.98	56	2442	0.595	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9425	4.743	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10596	5.903	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1360	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	53728	21.468	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	53728	56.184	ug/l #	100
95) Naphthalene	13.78	128	73	1.670	ug/l #	69

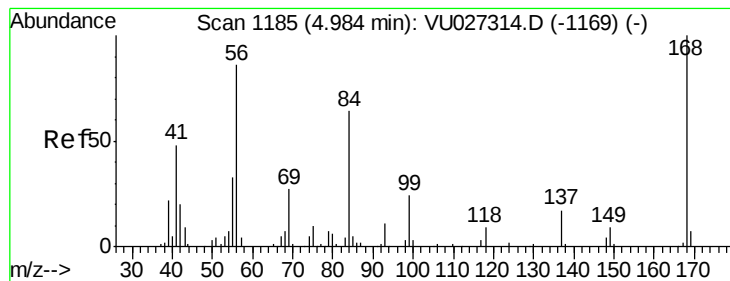
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

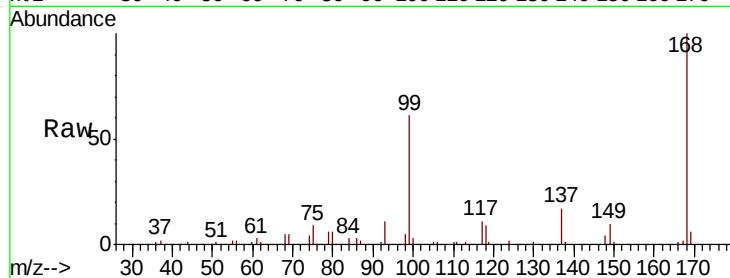
TRIP-SOIL

Tgt Ion:168 Resp: 109914

Ion Ratio Lower Upper

168 100

99 60.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

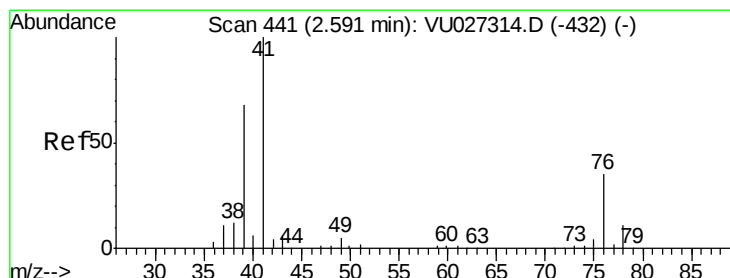
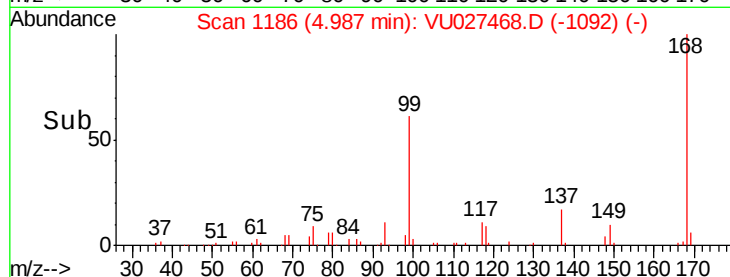
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#14

Allyl chloride

Concen: 0.956 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.14 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

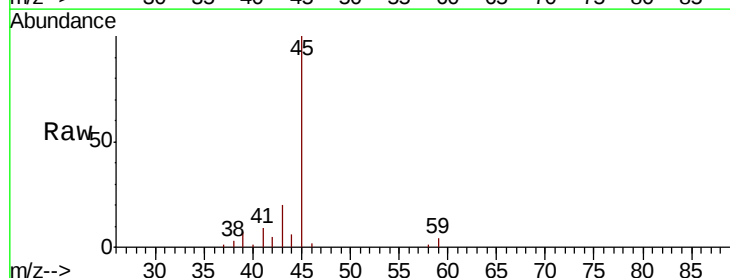
Tgt Ion: 41 Resp: 2636

Ion Ratio Lower Upper

41 100

39 74.1 51.8 77.8

76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU027314.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU027314.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU027314.D (-432) (-)

2.45

2000

1500

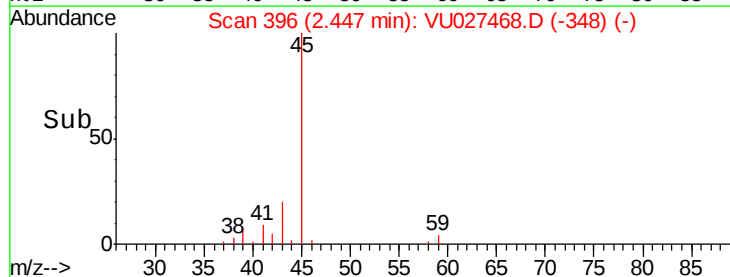
1000

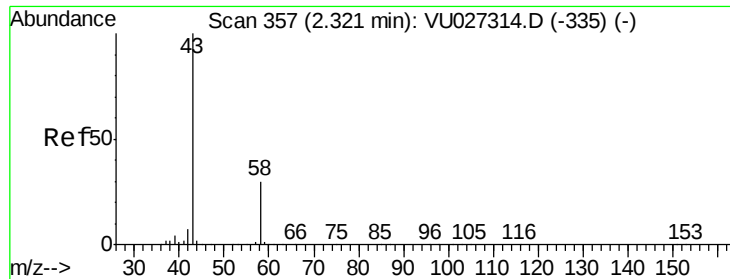
500

0

2.40 2.45 2.50

Time-->





#16

Acetone

Concen: 2.570 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

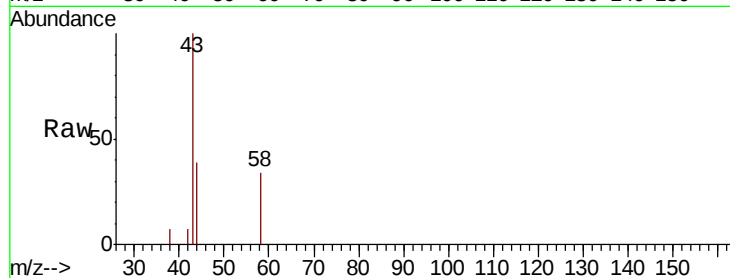
TRIP-SOIL

Tgt Ion: 43 Resp: 2787

Ion Ratio Lower Upper

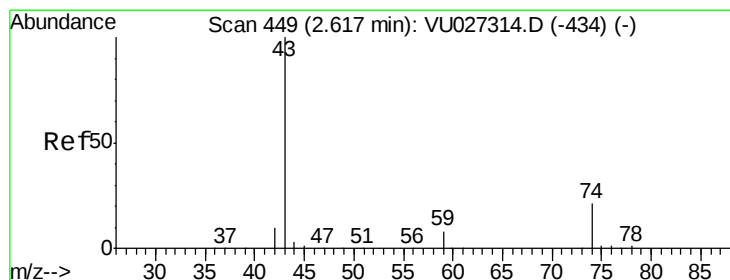
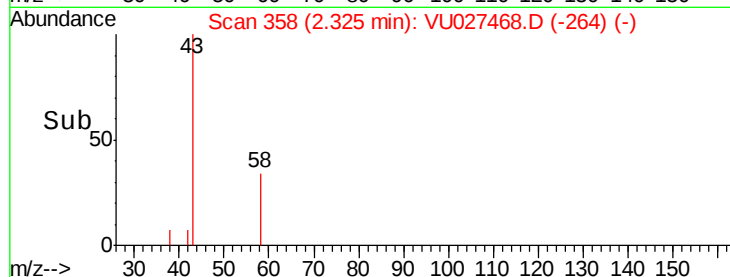
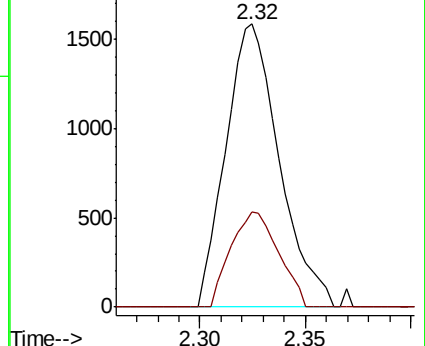
43 100

58 33.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 2.631 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027468.D

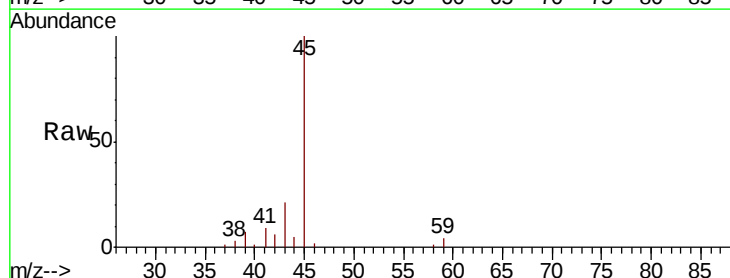
Acq: 05 Oct 2018 21:06

Tgt Ion: 43 Resp: 6508

Ion Ratio Lower Upper

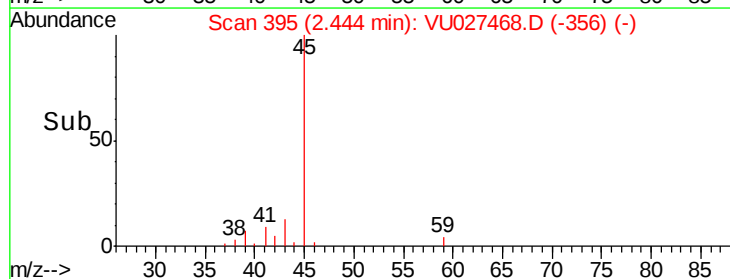
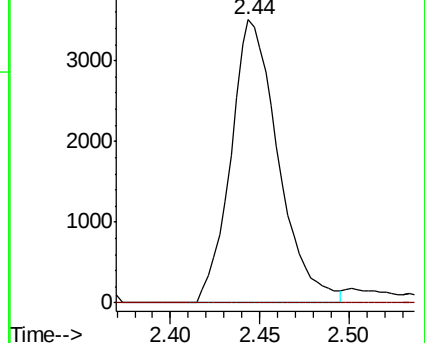
43 100

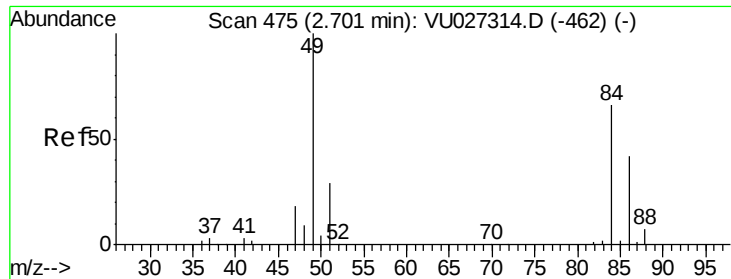
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

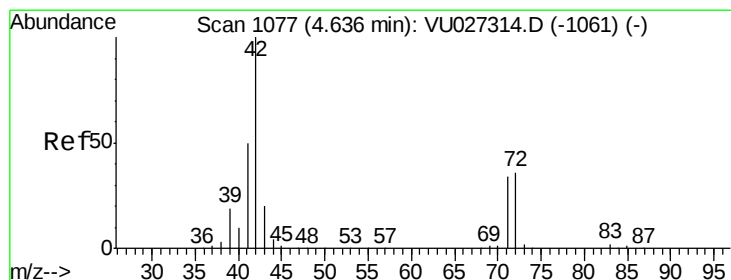
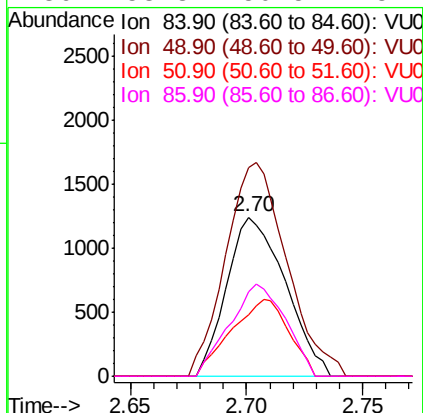
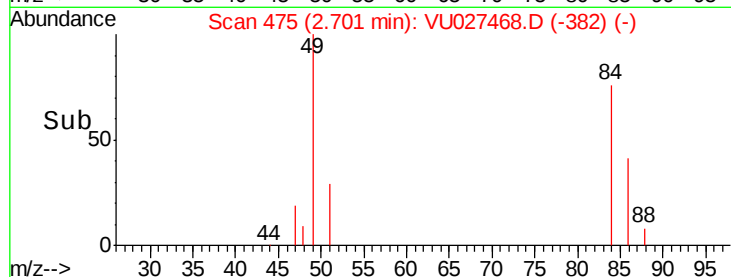
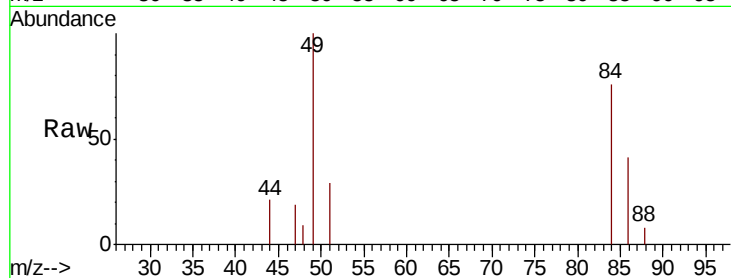




#20
Methylene Chloride
Concen: 1.441 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

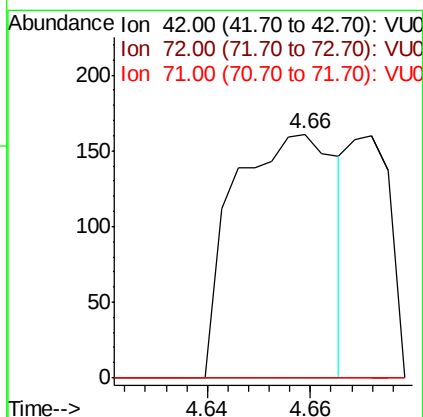
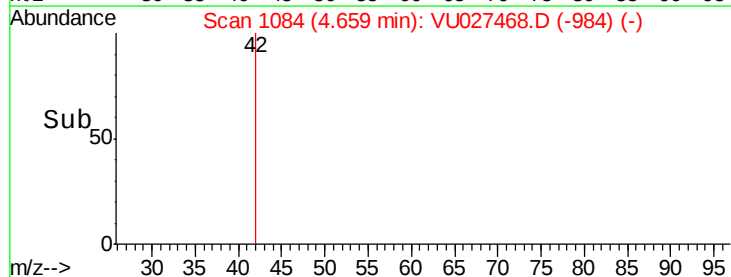
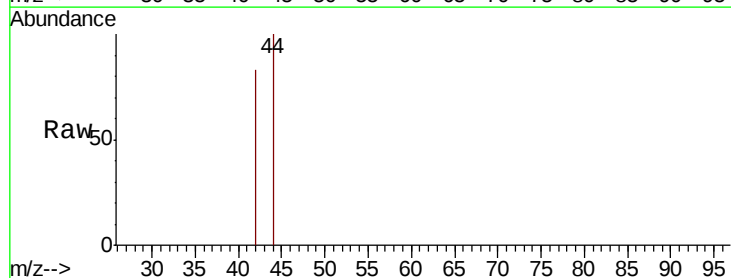
Instrument :
MSVOA_U
ClientSampleId :
TRIP-SOIL

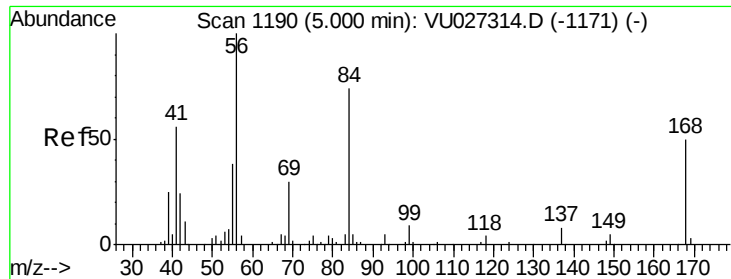
Tgt Ion: 84 Resp: 2176
Ion Ratio Lower Upper
84 100
49 131.4 120.5 180.7
51 38.5 35.1 52.7
86 53.3 50.5 75.7



#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

Tgt Ion: 42 Resp: 221
Ion Ratio Lower Upper
42 100
72 0.0 30.1 45.1#
71 0.0 27.7 41.5#

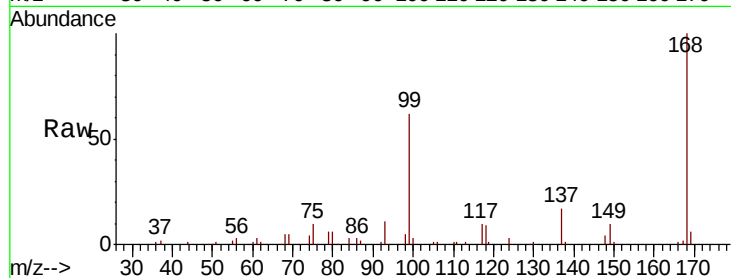




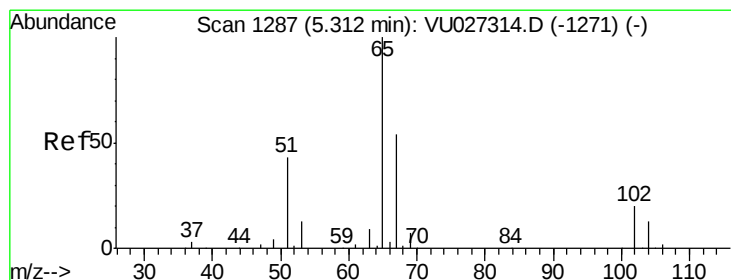
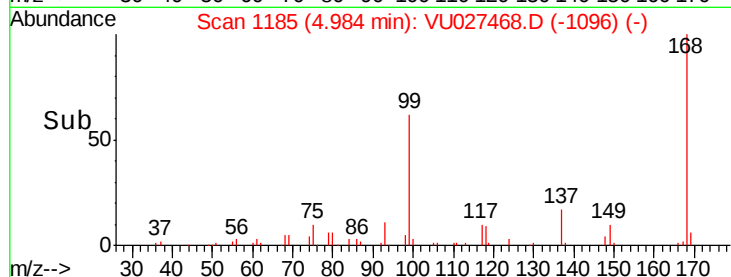
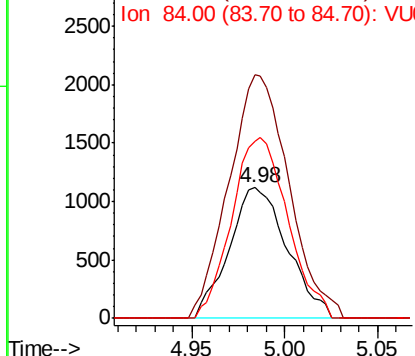
#31
Cyclohexane
Concen: 0.595 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampled :
TRIP-SOIL

Tgt Ion: 56 Resp: 2442
Ion Ratio Lower Upper
56 100
69 186.1 24.1 36.1#
84 135.4 59.1 88.7#

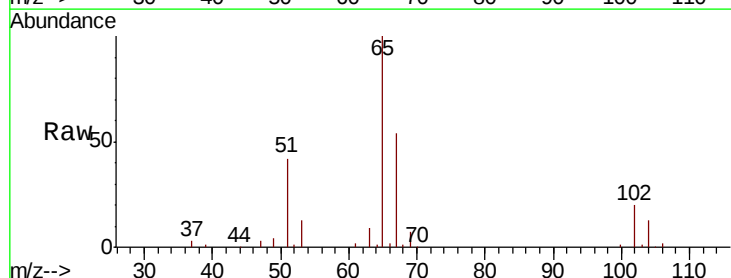


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

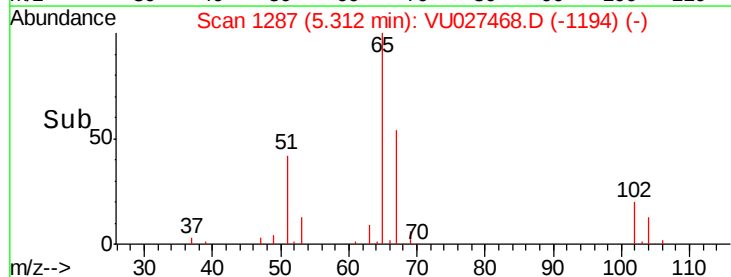
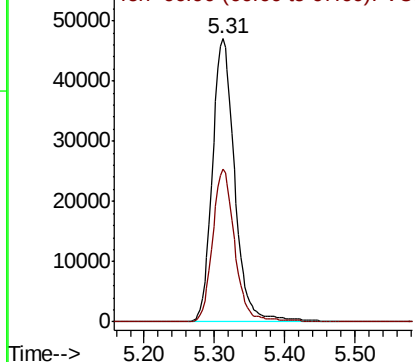


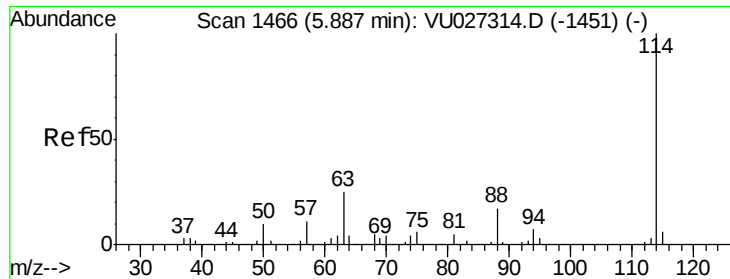
#33
1,2-Dichloroethane-d4
Concen: 56.462 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

Tgt Ion: 65 Resp: 103629
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

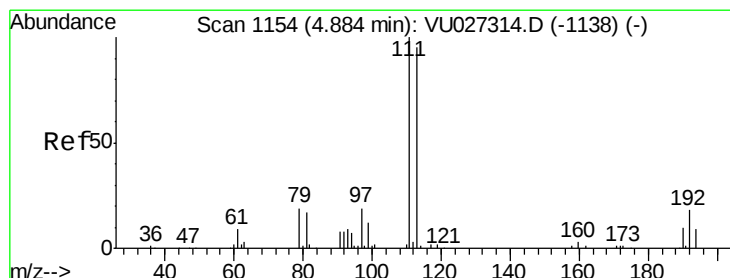
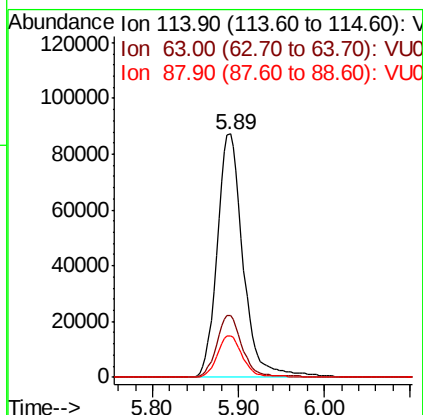
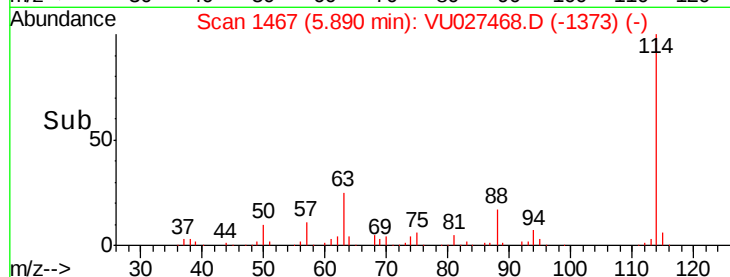
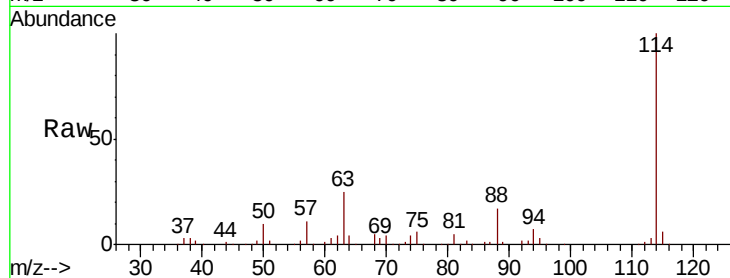




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027468.D
 Acq: 05 Oct 2018 21:06

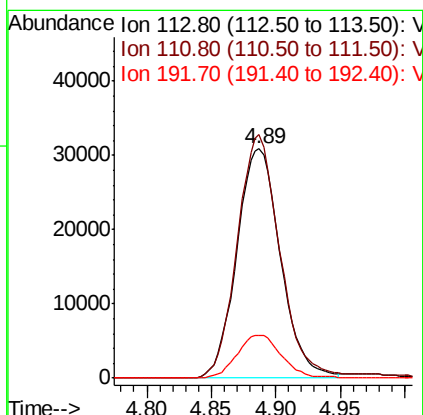
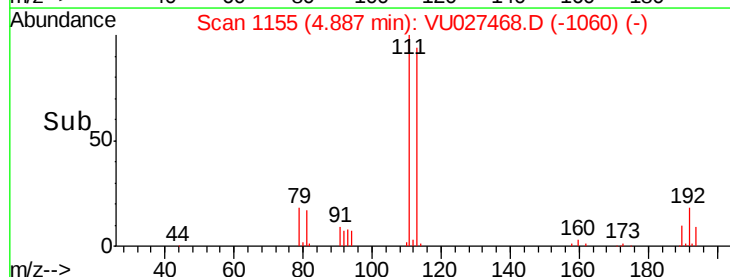
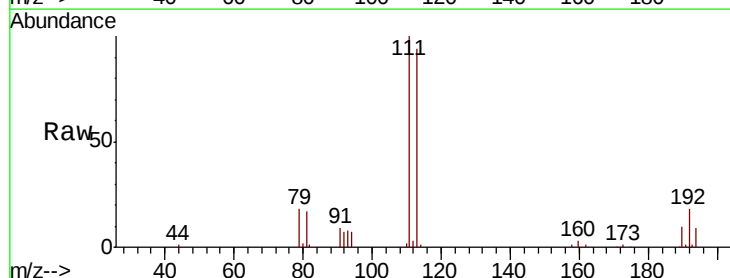
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-SOIL

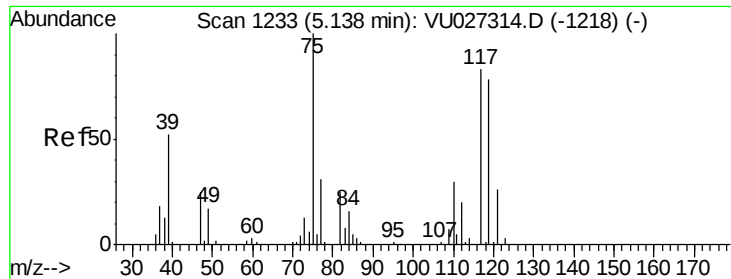
Tgt Ion:114 Resp: 183029
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 50.2
 88 17.2 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 58.103 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027468.D
 Acq: 05 Oct 2018 21:06

Tgt Ion:113 Resp: 72882
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.1 124.7
 192 19.0 15.4 23.0

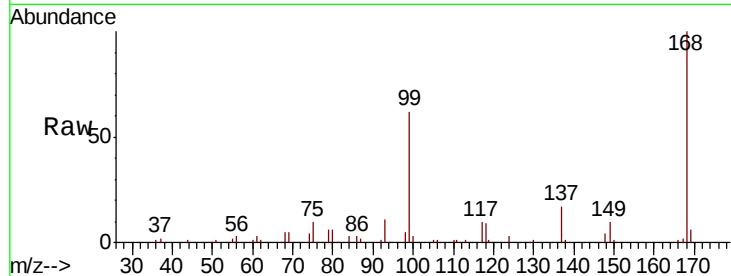




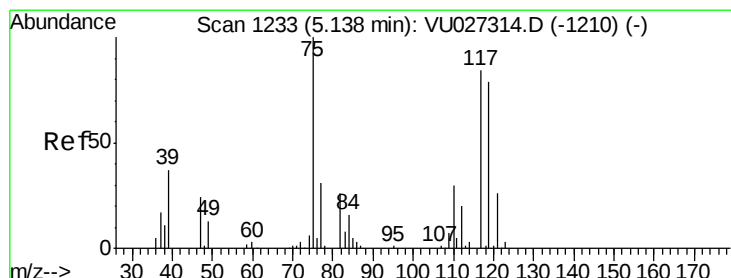
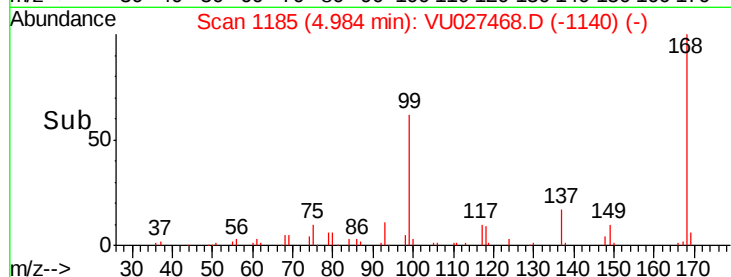
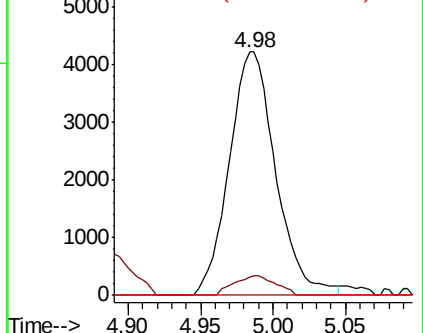
#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027468.D
 Acq: 05 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-SOIL

Tgt Ion: 75 Resp: 9425
 Ion Ratio Lower Upper
 75 100
 110 7.3 15.5 46.5#
 77 0.0 25.4 38.0#

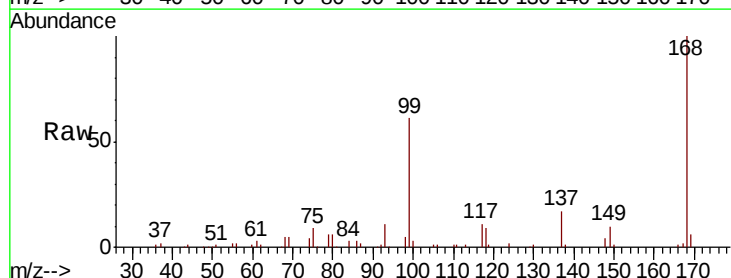


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

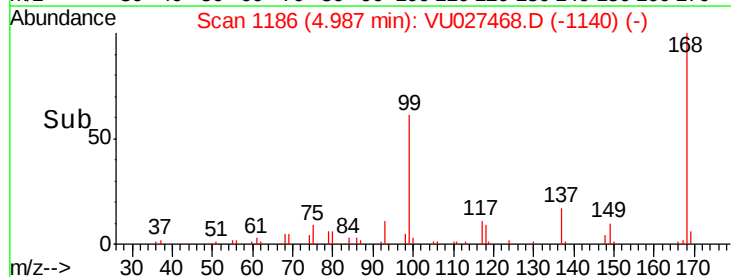
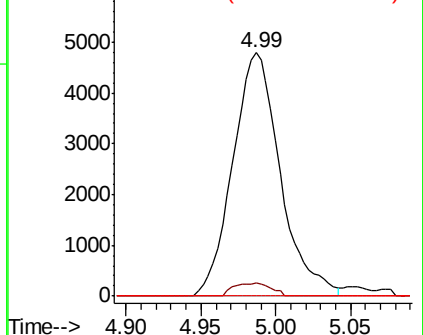


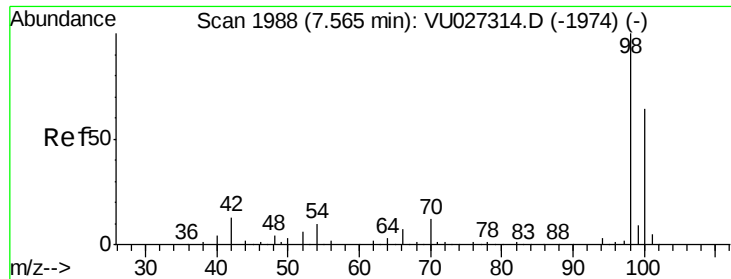
#38
 Carbon Tetrachloride
 Concen: 5.903 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027468.D
 Acq: 05 Oct 2018 21:06

Tgt Ion: 117 Resp: 10596
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.5 111.7#
 121 0.0 24.6 37.0#



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: 60.063 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

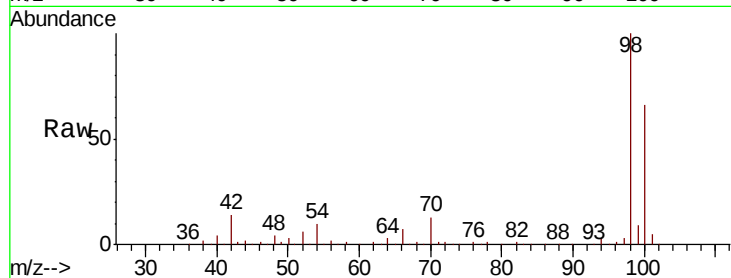
TRIP-SOIL

Tgt Ion: 98 Resp: 281977

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

7.57

150000

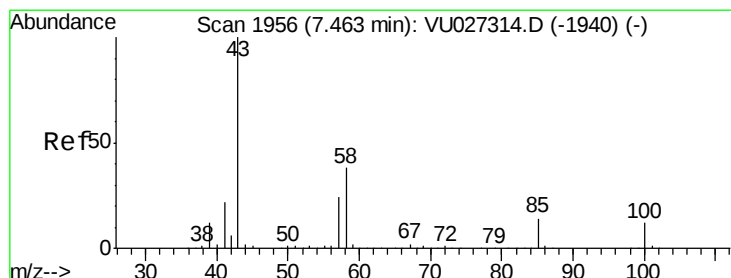
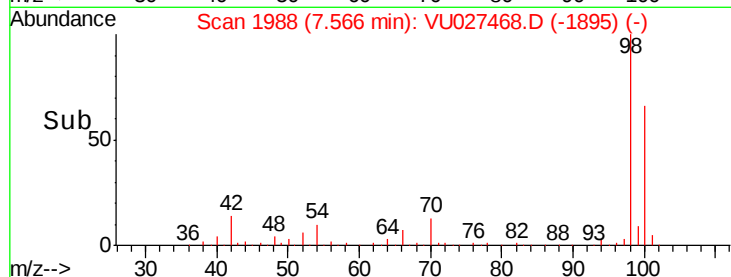
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.525 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027468.D

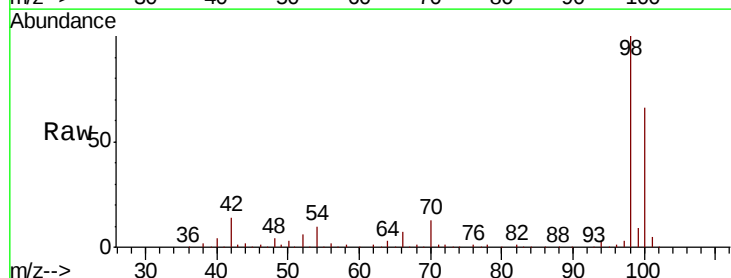
Acq: 05 Oct 2018 21:06

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 185.1 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

1500

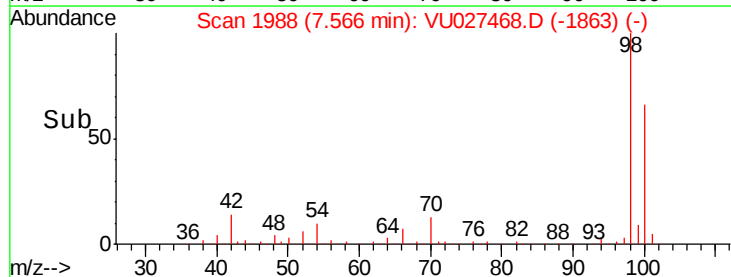
1000

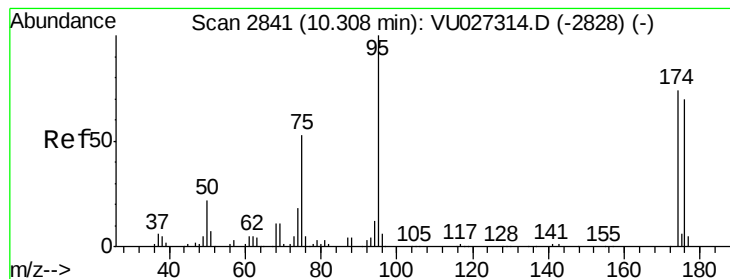
500

0

7.55 7.60

Time-->





#62

4-Bromofluorobenzene

Concen: 58.505 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampled :

TRIP-SOIL

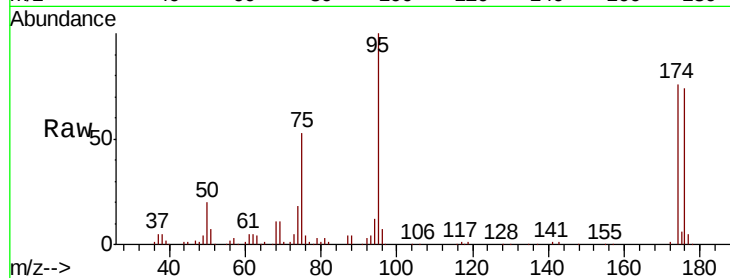
Tgt Ion: 95 Resp: 102075

Ion Ratio Lower Upper

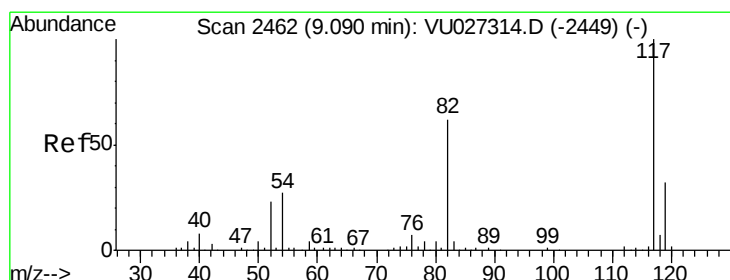
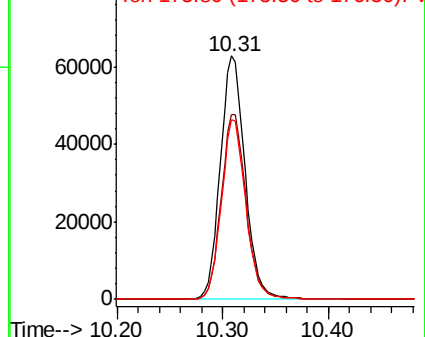
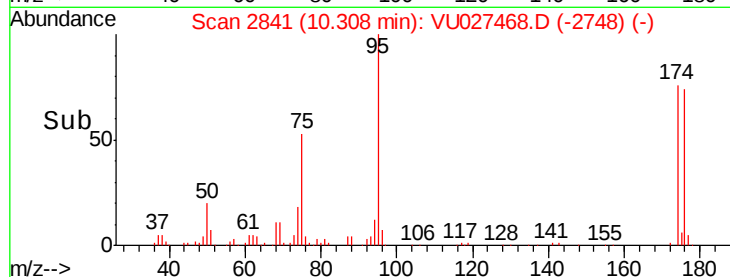
95 100

174 76.1 0.0 147.8

176 72.7 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027468.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

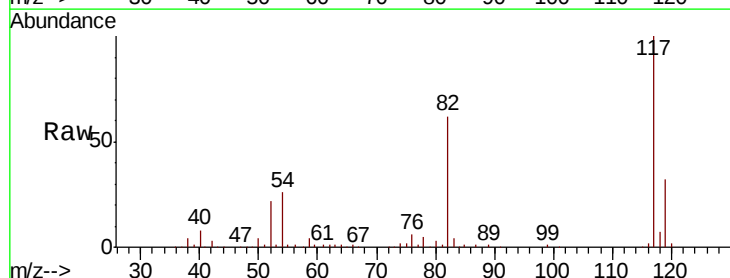
Tgt Ion: 117 Resp: 176421

Ion Ratio Lower Upper

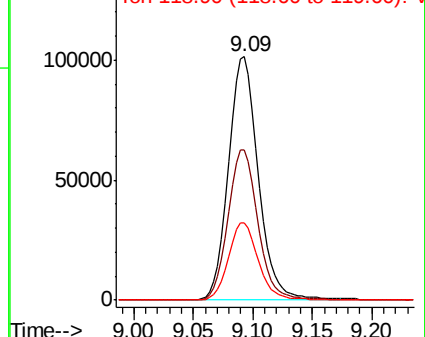
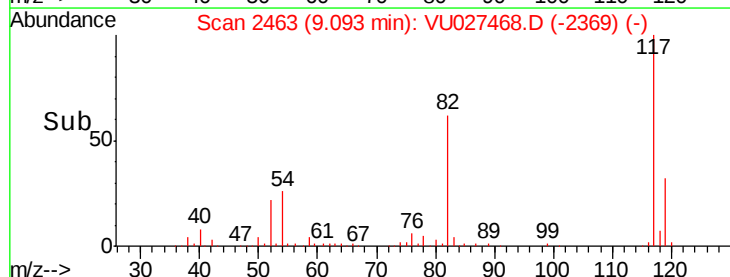
117 100

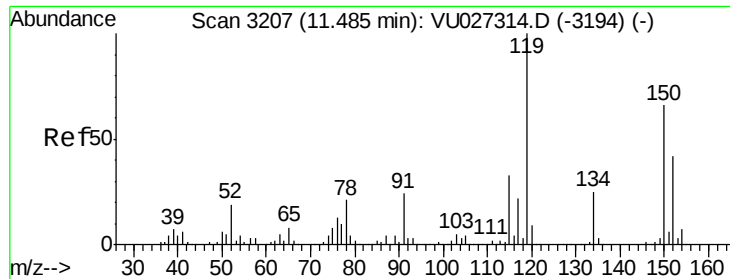
82 61.8 49.2 73.8

119 32.0 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027468.D (-2369) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027468.D

Acq: 05 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

TRIP-SOIL

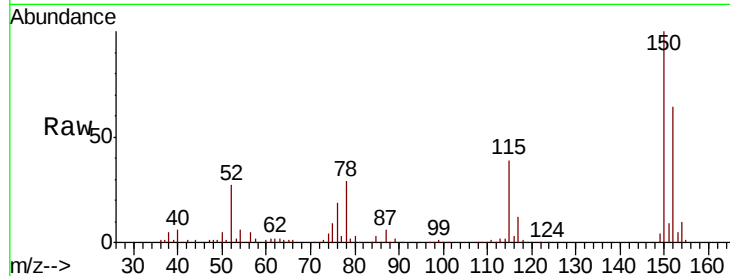
Tgt Ion:152 Resp: 96547

Ion Ratio Lower Upper

152 100

115 60.7 43.4 130.2

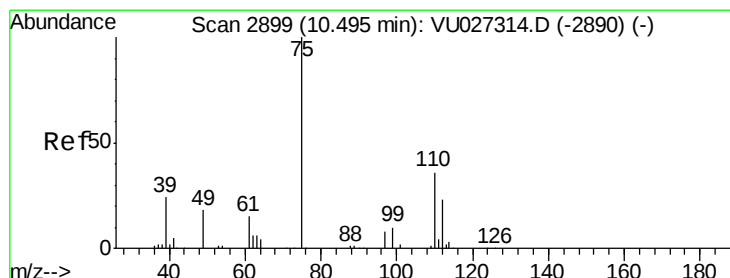
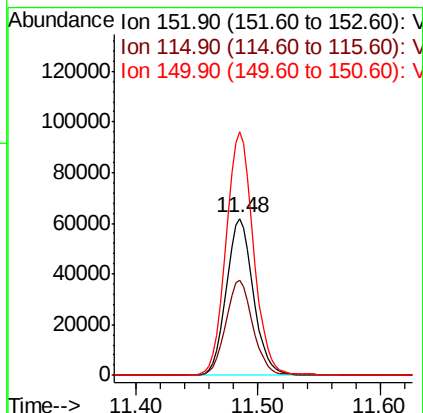
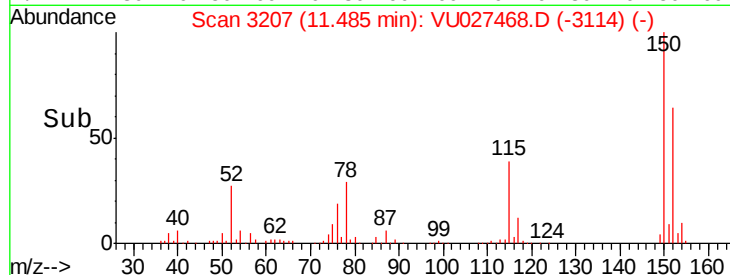
150 157.4 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 21.468 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027468.D

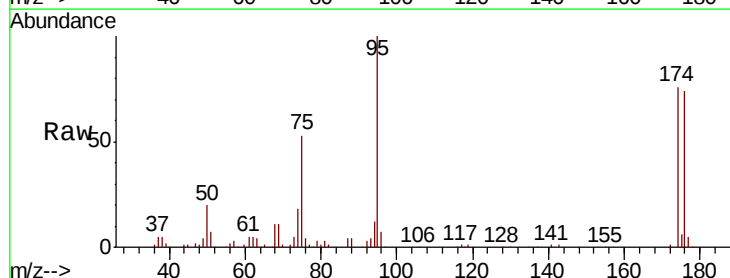
Acq: 05 Oct 2018 21:06

Tgt Ion: 75 Resp: 53728

Ion Ratio Lower Upper

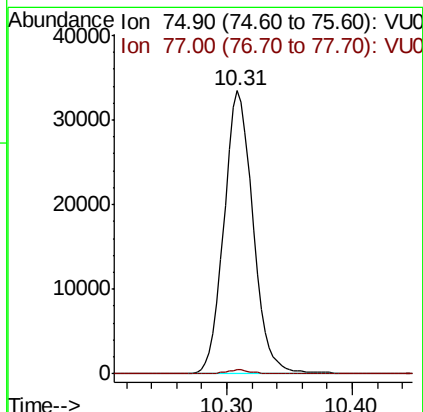
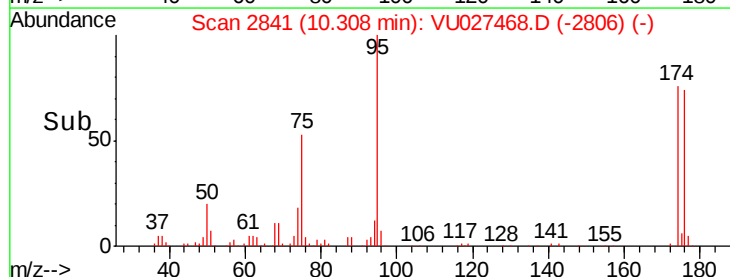
75 100

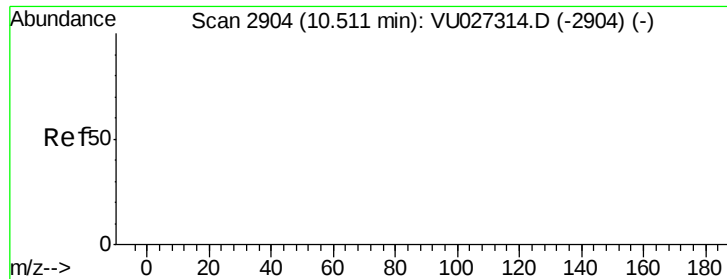
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

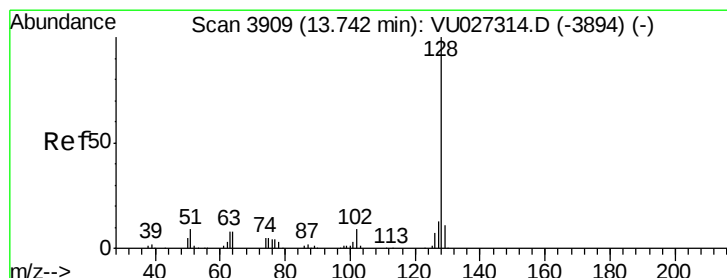
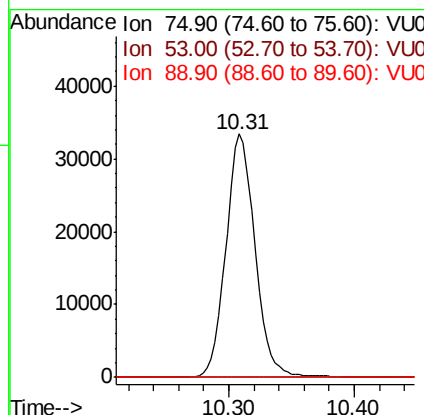
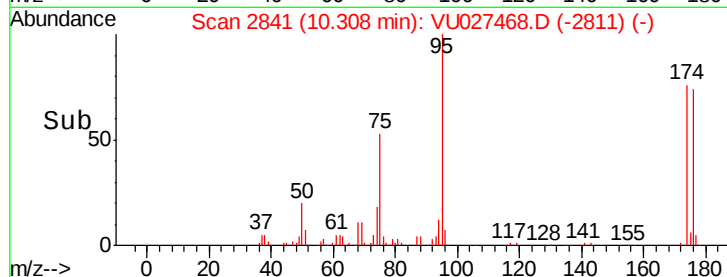
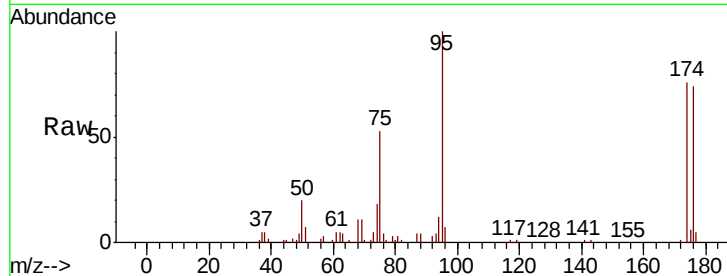




#81
trans-1,4-Dichloro-2-butene
Concen: 56.184 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
TRIP-SOIL

Tgt Ion: 75 Resp: 53728
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.670 ug/l
RT: 13.78 min Scan# 3922
Delta R.T. 0.04 min
Lab File: VU027468.D
Acq: 05 Oct 2018 21:06

Tgt Ion: 128 Resp: 73
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

