

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX031518\
 Data File : VX000332.D
 Acq On : 15 Mar 2018 16:45
 Operator : JC/MD
 Sample : J1926-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-RBR200032

Quant Time: Mar 16 02:40:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 03:39:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	171780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	288986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127996	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	114855	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	5.51	113	91077	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.73	98	358817	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
62) 4-Bromofluorobenzene	11.15	95	119881	39.30	ug/l	0.00
Spiked Amount			Recovery	=	78.60%	

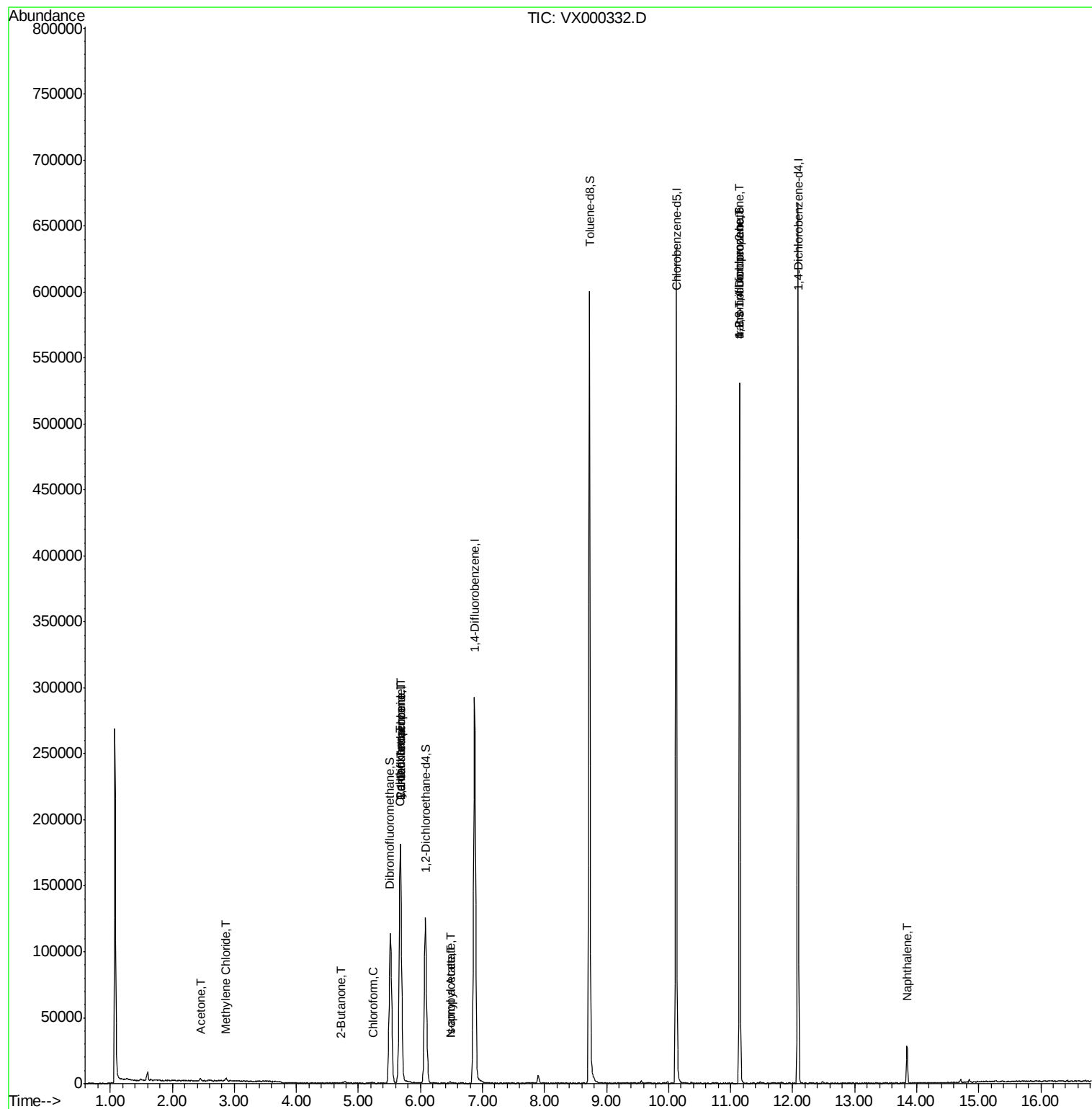
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	2389	1.51	ug/l	95
20) Methylene Chloride	2.87	84	934	0.45	ug/l #	74
25) 2-Butanone	4.72	43	674	0.36	ug/l #	49
30) Chloroform	5.23	83	725	0.22	ug/l #	77
31) Cyclohexane	5.67	56	4139	1.54	ug/l #	57
36) 1,1-Dichloropropene	5.67	75	13363	5.09	ug/l #	52
38) Carbon Tetrachloride	5.68	117	17055	6.44	ug/l #	15
43) Isopropyl Acetate	6.48	43	1323	0.26	ug/l #	72
74) N-amyl acetate	6.48	43	1323	0.36	ug/l #	73
76) 1,2,3-Trichloropropane	11.15	75	68797	28.88	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	68797	79.57	ug/l #	9
95) Naphthalene	13.84	128	16448	1.71	ug/l	99

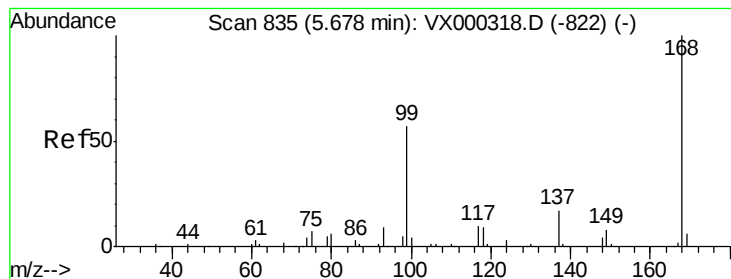
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 15 03:39:21 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: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

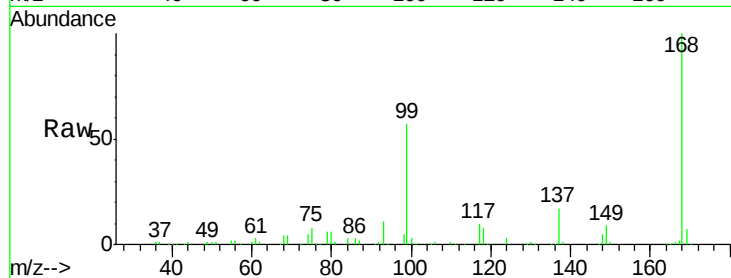
SOIL-RBR200032

Tgt Ion:168 Resp: 171780

Ion Ratio Lower Upper

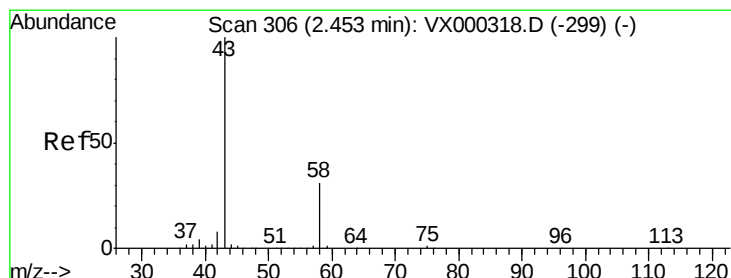
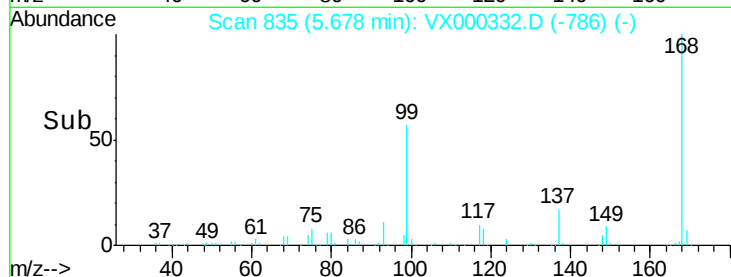
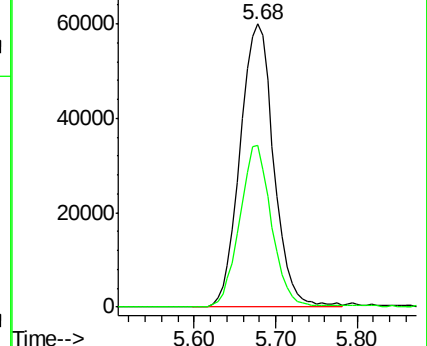
168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000332.D

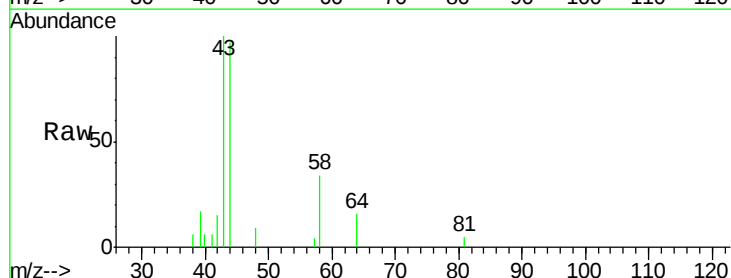
Acq: 15 Mar 2018 16:45

Tgt Ion: 43 Resp: 2389

Ion Ratio Lower Upper

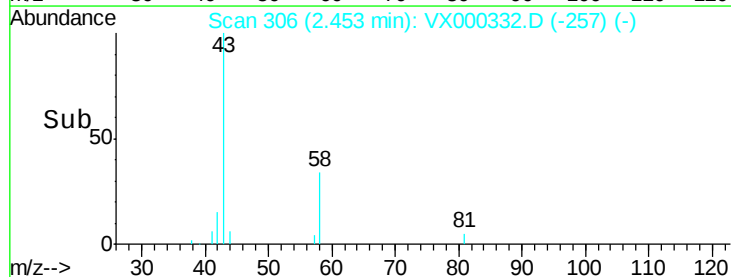
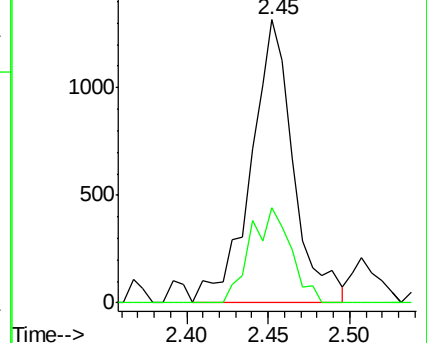
43 100

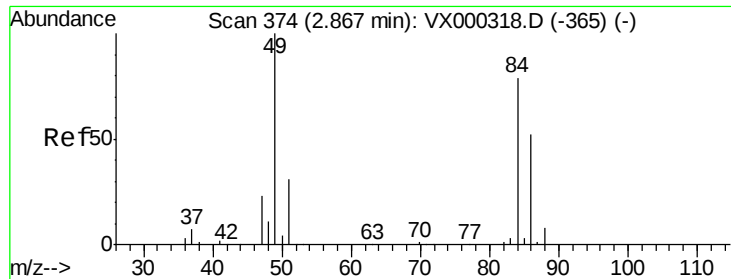
58 33.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

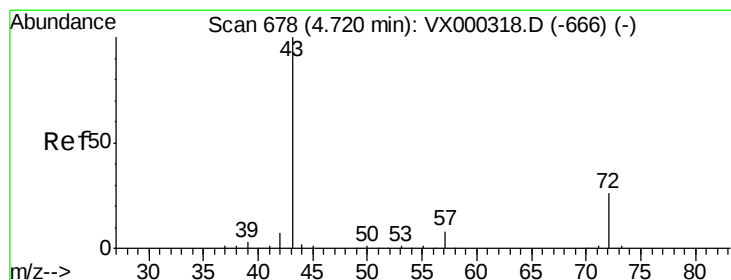
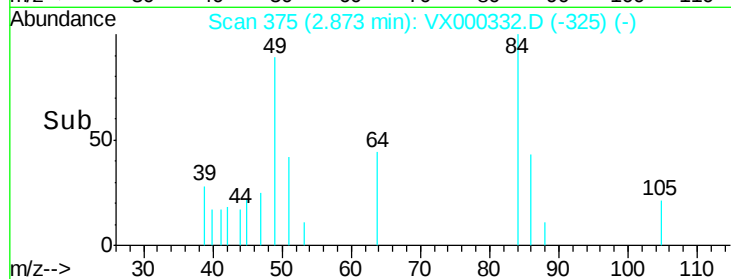
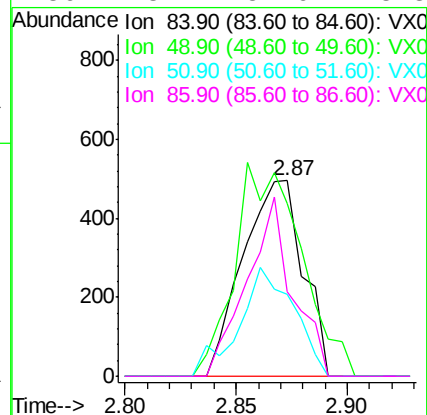
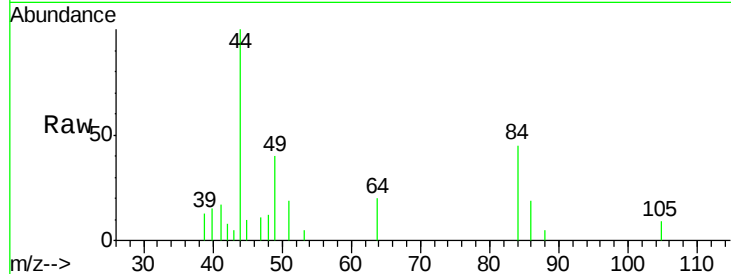




#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000332.D
Acq: 15 Mar 2018 16:45

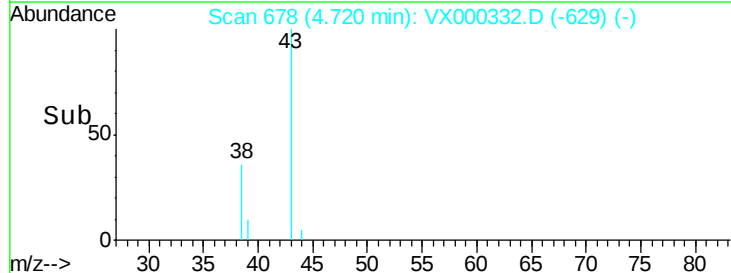
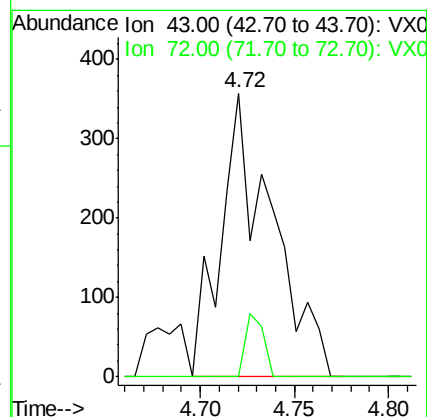
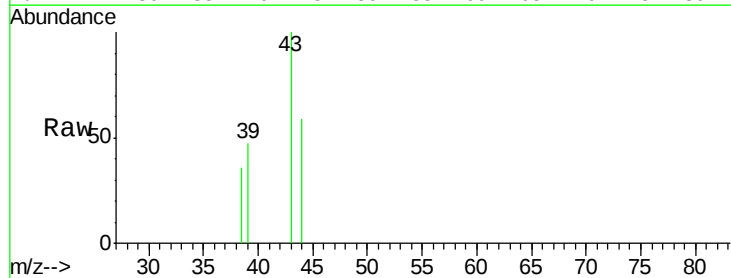
Instrument :
MSVOA_X
ClientSampleId :
SOIL-RBR200032

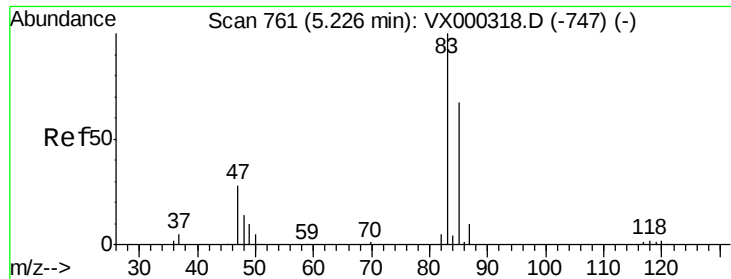
Tgt Ion: 84 Resp: 934
Ion Ratio Lower Upper
84 100
49 88.7 100.6 151.0#
51 41.8 31.6 47.4
86 43.2 52.6 78.8#



#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX000332.D
Acq: 15 Mar 2018 16:45

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

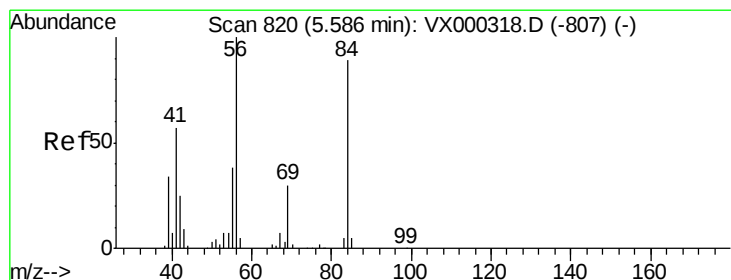
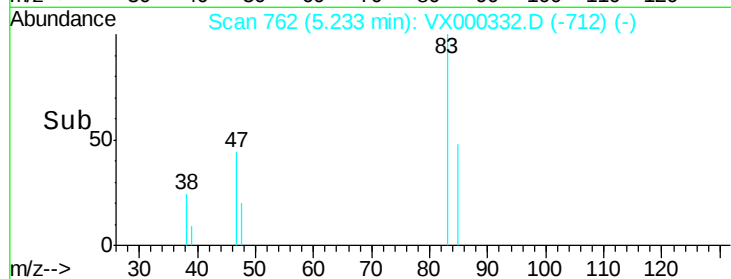
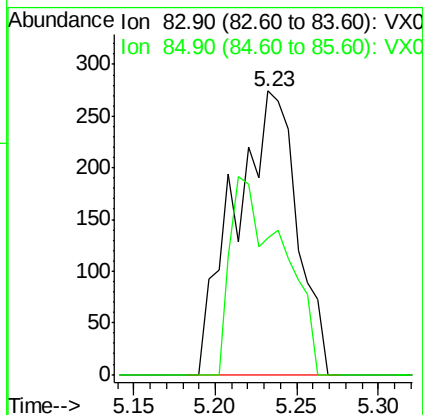
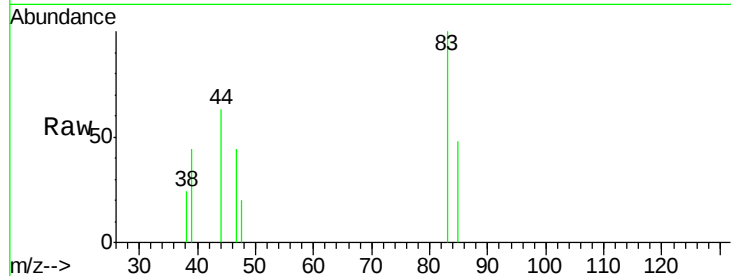




#30
Chloroform
Concen: 0.22 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000332.D
Acq: 15 Mar 2018 16:45

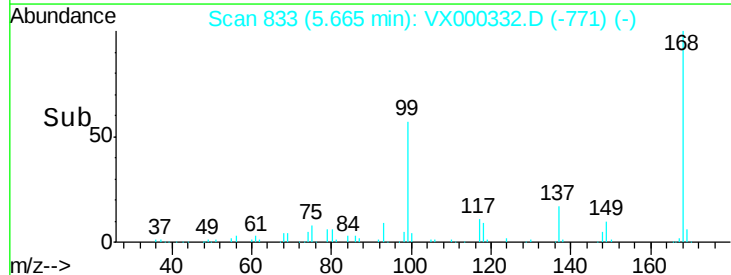
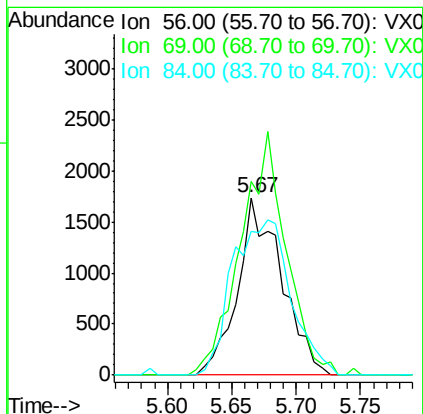
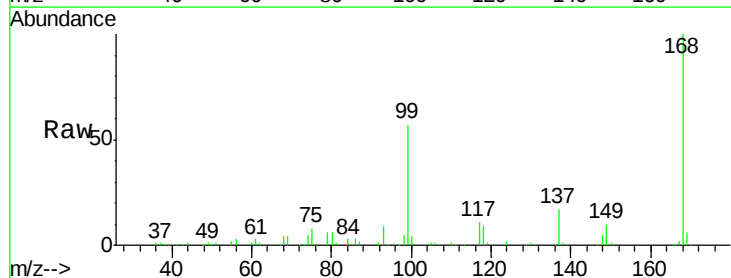
Instrument :
MSVOA_X
ClientSampleId :
SOIL-RBR200032

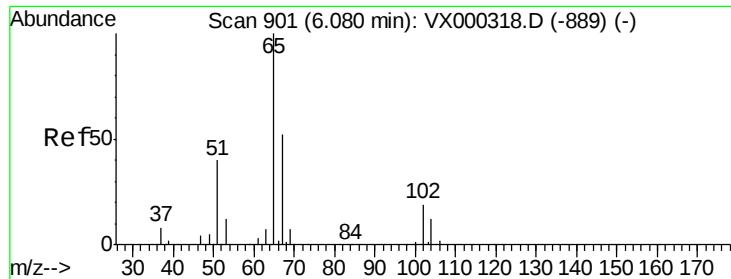
Tgt Ion: 83 Resp: 725
Ion Ratio Lower Upper
83 100
85 48.2 53.3 79.9#



#31
Cyclohexane
Concen: 1.54 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000332.D
Acq: 15 Mar 2018 16:45

Tgt Ion: 56 Resp: 4139
Ion Ratio Lower Upper
56 100
69 109.6 23.4 35.0#
84 81.1 71.0 106.4

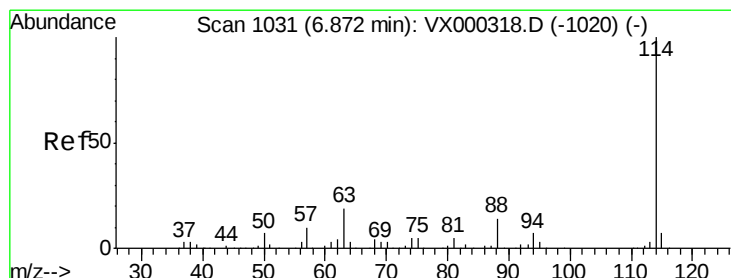
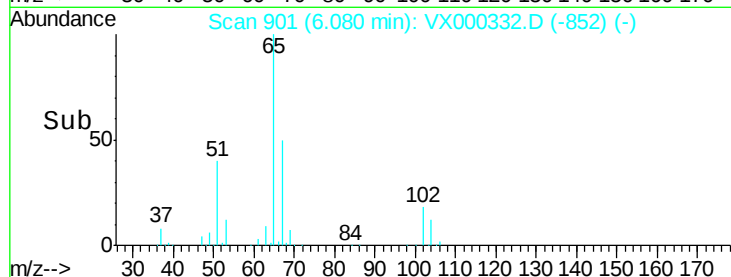
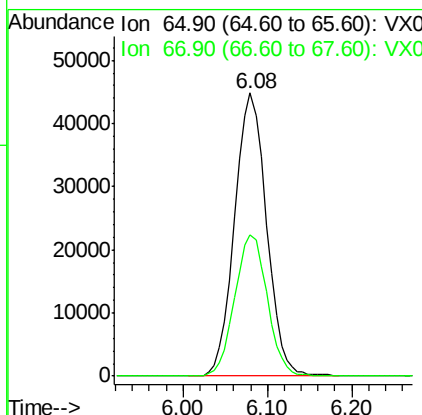
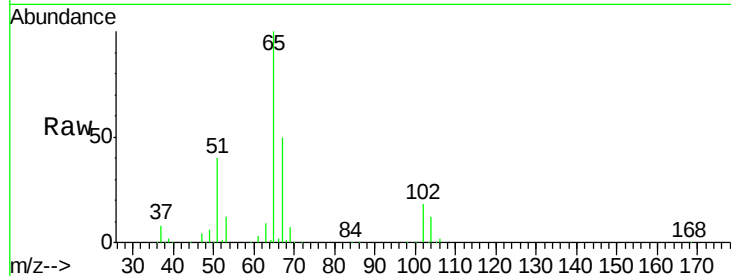




#33
 1,2-Dichloroethane-d4
 Concen: 48.33 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000332.D
 Acq: 15 Mar 2018 16:45

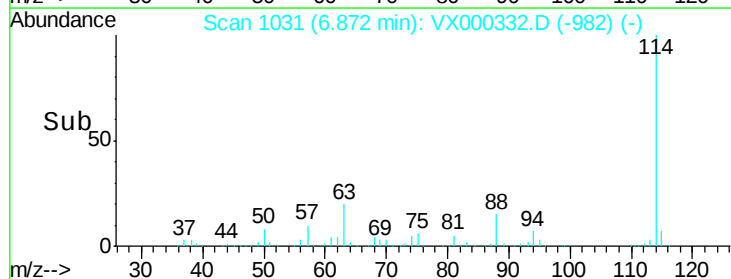
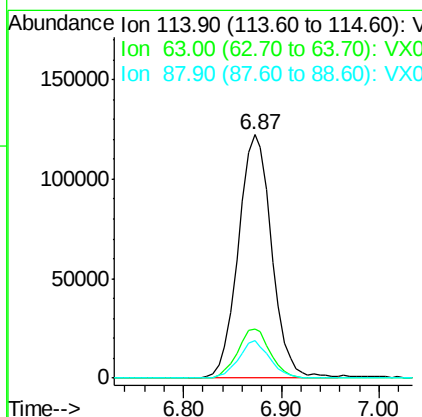
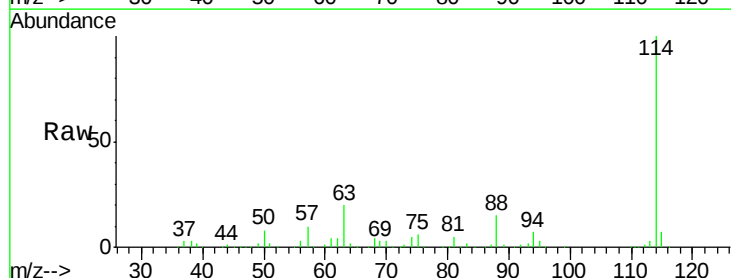
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-RBR200032

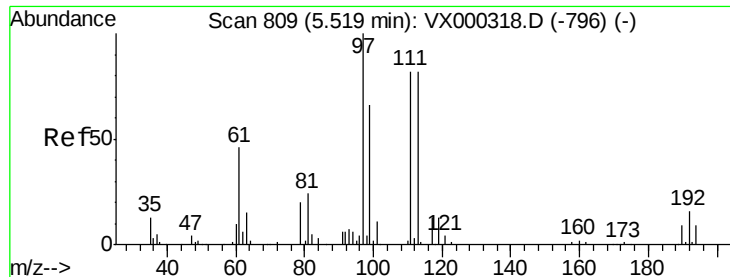
Tgt Ion: 65 Resp: 114855
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000332.D
 Acq: 15 Mar 2018 16:45

Tgt Ion: 114 Resp: 288986
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 15.2 0.0 27.0

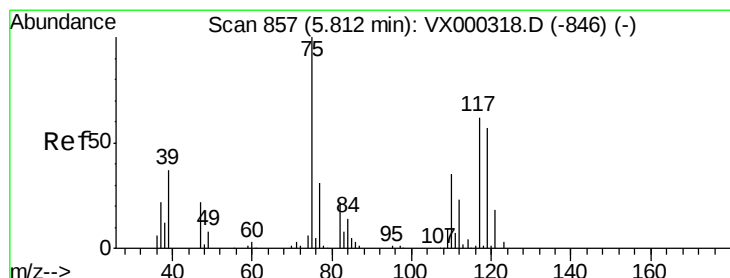
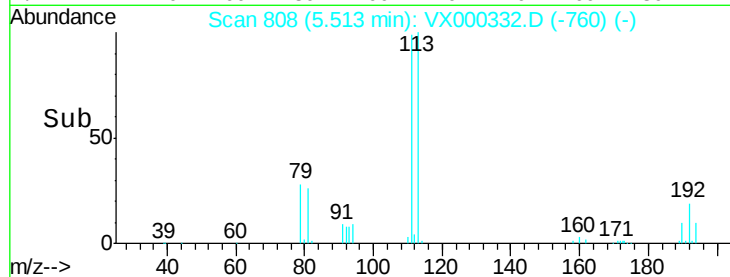
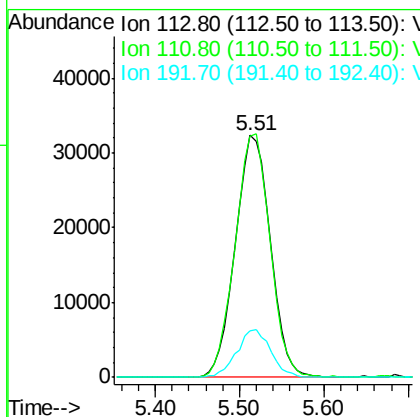
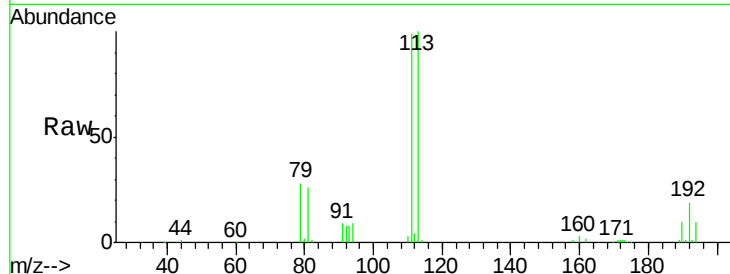




#35
 Dibromofluoromethane
 Concen: 49.95 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VX000332.D
 Acq: 15 Mar 2018 16:45

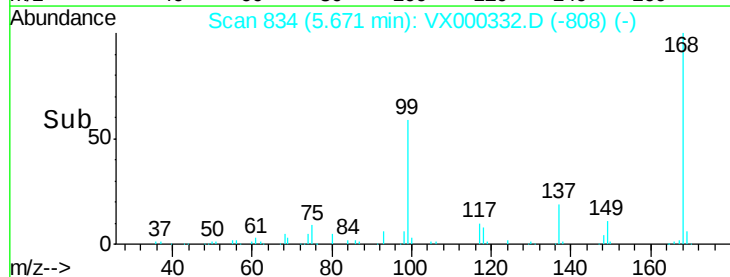
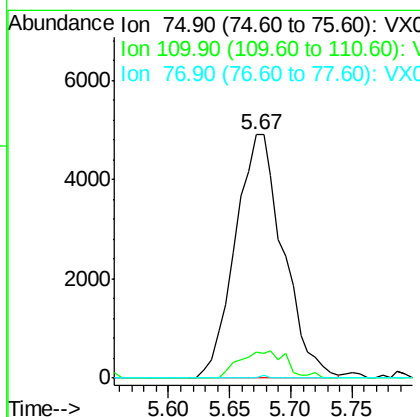
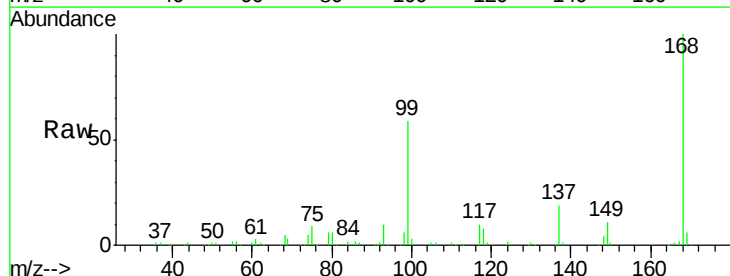
Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-RBR200032

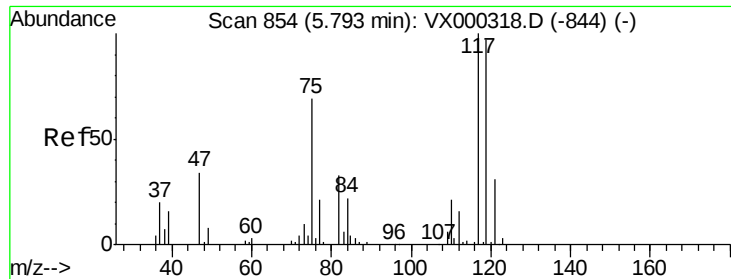
Tgt Ion:113 Resp: 91077
 Ion Ratio Lower Upper
 113 100
 111 100.2 82.4 123.6
 192 19.1 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.09 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000332.D
 Acq: 15 Mar 2018 16:45

Tgt Ion: 75 Resp: 13363
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.9 53.7#
 77 0.2 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 6.44 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-RBR200032

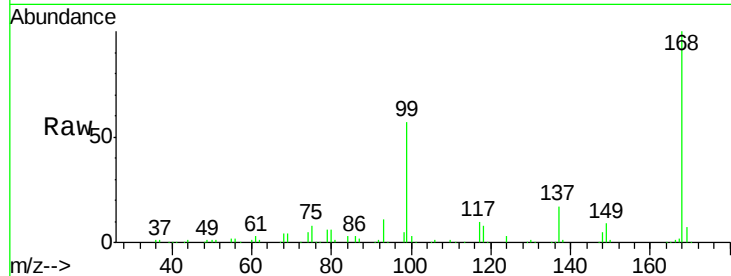
Tgt Ion: 117 Resp: 17055

Ion Ratio Lower Upper

117 100

119 4.0 77.4 116.2#

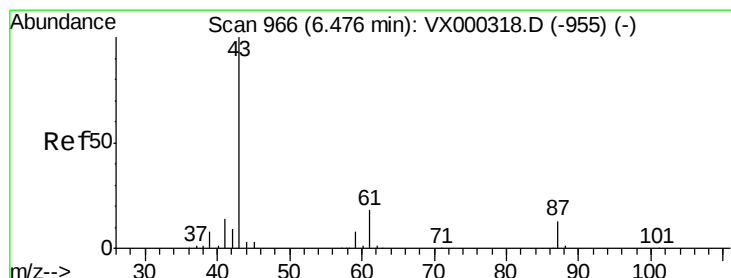
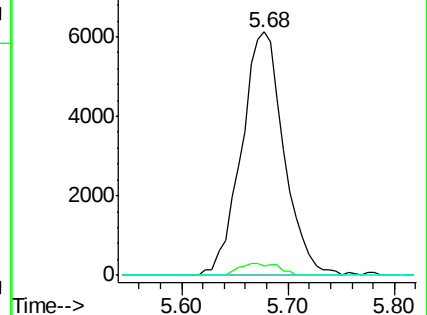
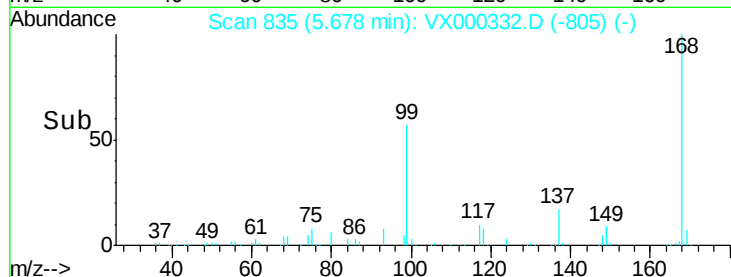
121 0.0 24.8 37.2#



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: 0.26 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

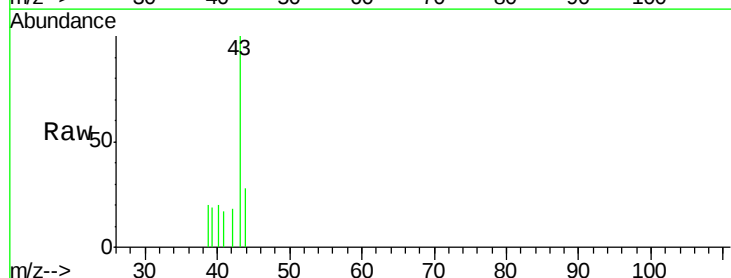
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

61 6.1 14.4 21.6#

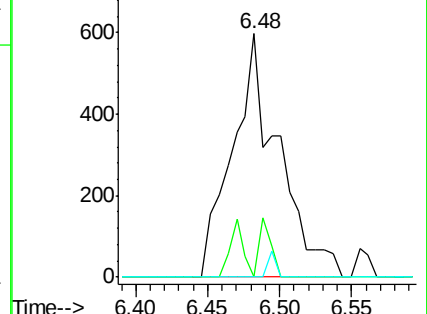
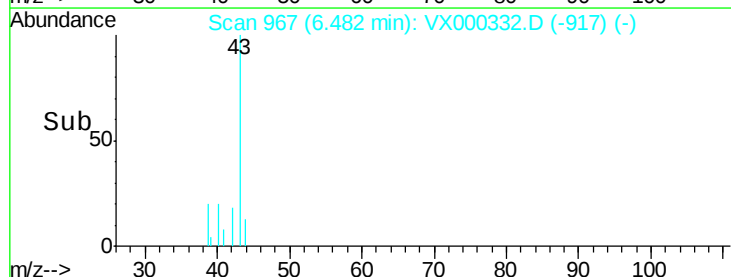
87 1.7 11.0 16.4#

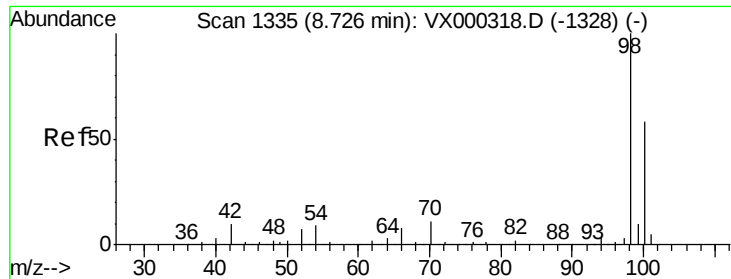


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 47.17 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

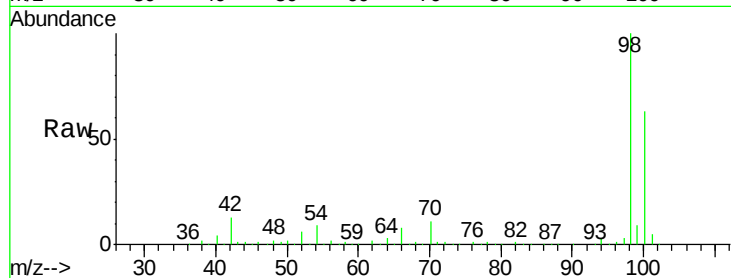
SOIL-RBR200032

Tgt Ion: 98 Resp: 358817

Ion Ratio Lower Upper

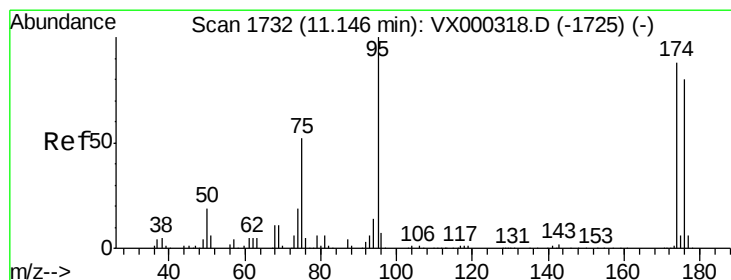
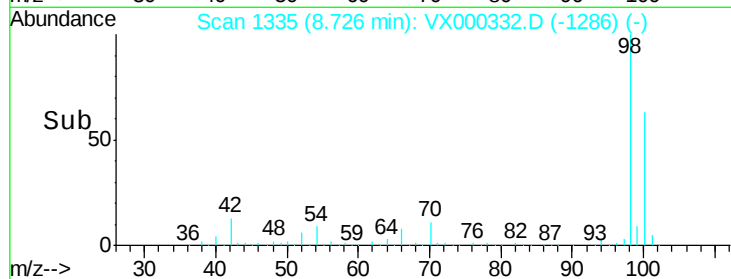
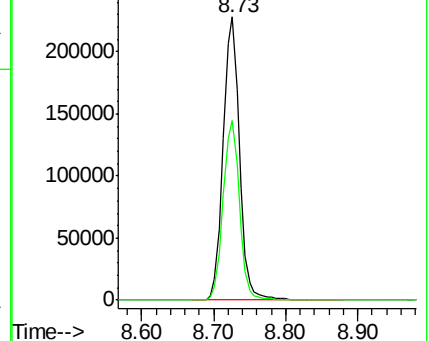
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 39.30 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

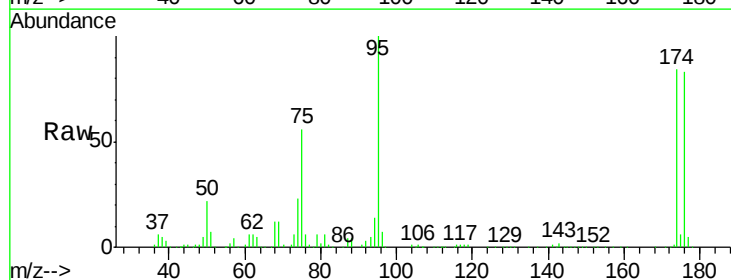
Tgt Ion: 95 Resp: 119881

Ion Ratio Lower Upper

95 100

174 87.4 0.0 173.6

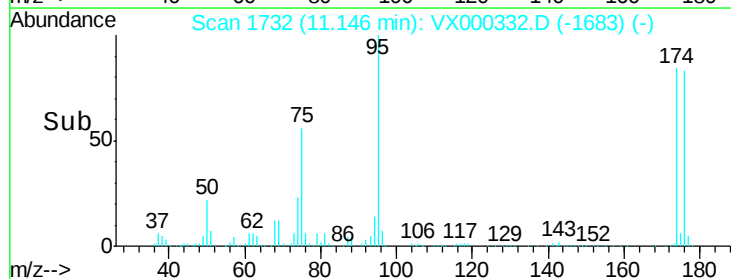
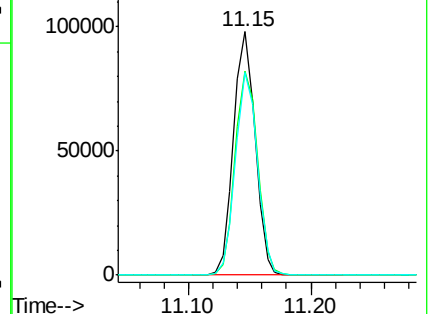
176 84.5 0.0 164.6

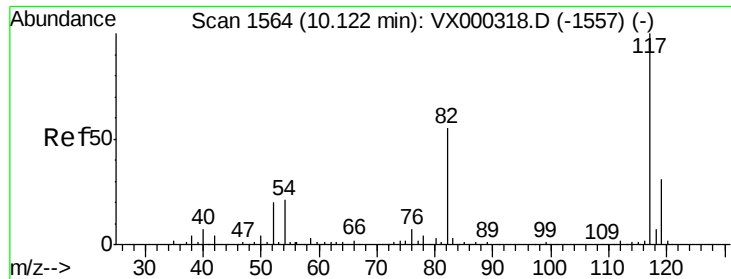


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1564

Delta R.T. -0.00 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-RBR200032

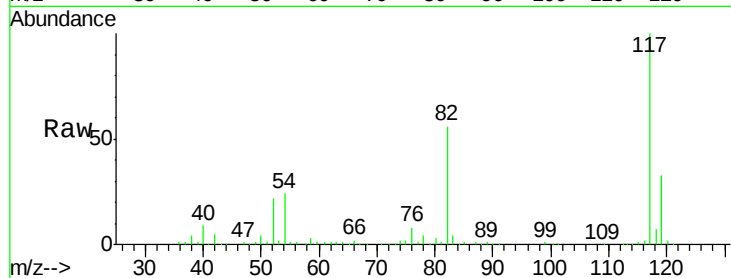
Tgt Ion:117 Resp: 269801

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

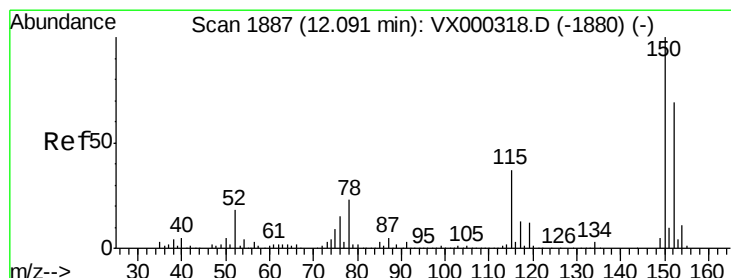
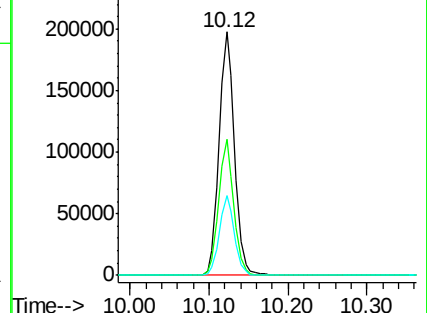
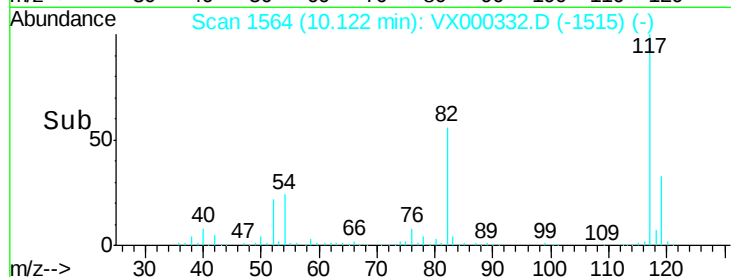
119 32.9 24.9 37.3



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: 12.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

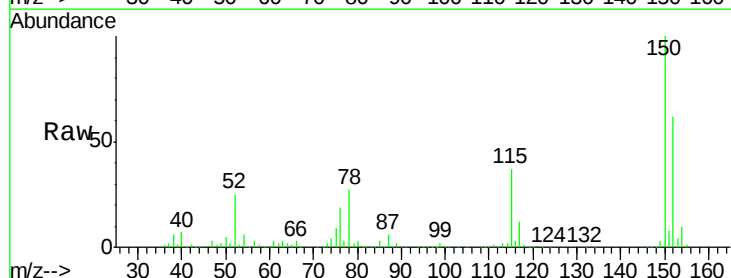
Tgt Ion:152 Resp: 127996

Ion Ratio Lower Upper

152 100

115 56.5 39.8 119.3

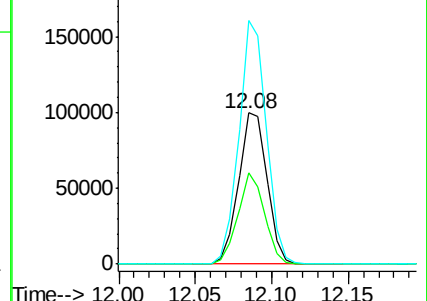
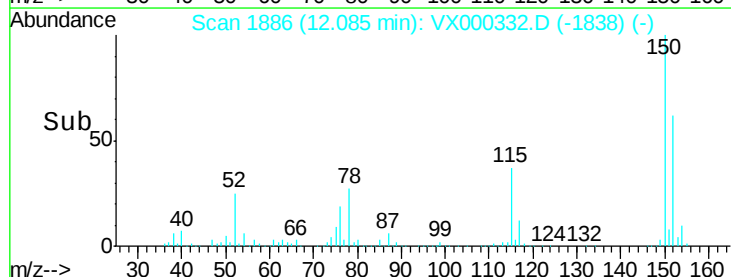
150 155.4 0.0 344.4

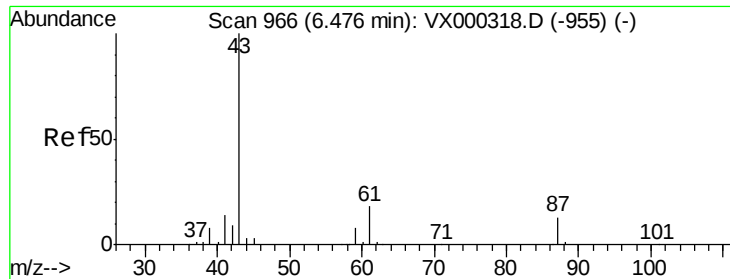


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.36 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-RBR200032

Tgt Ion: 43 Resp: 1323

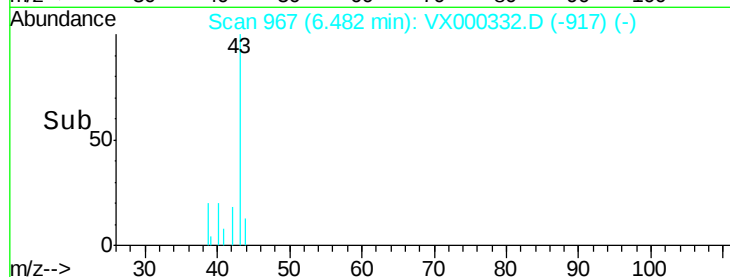
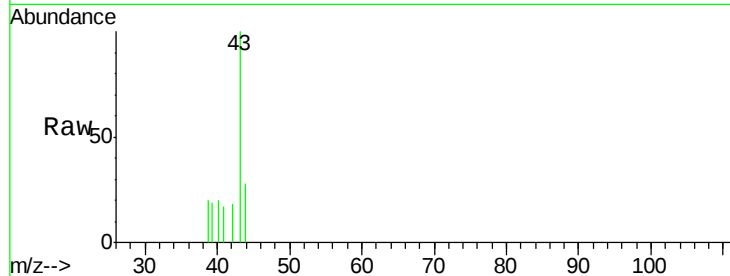
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.1 14.4 21.6#

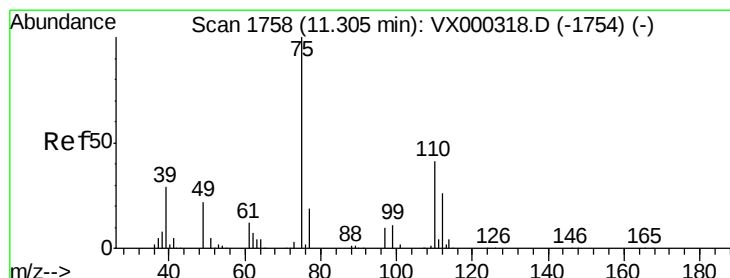
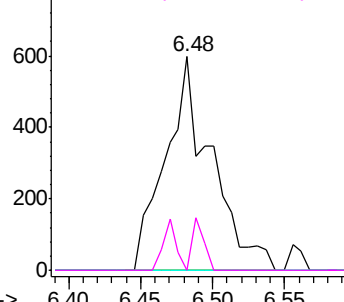


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 28.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000332.D

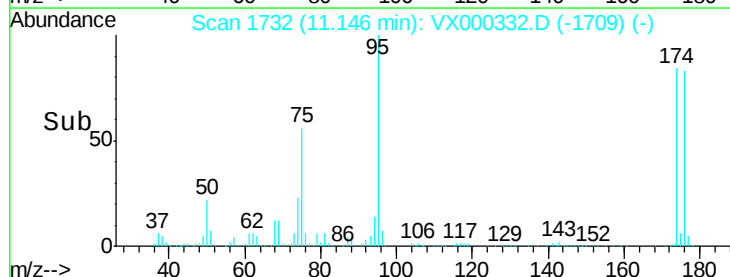
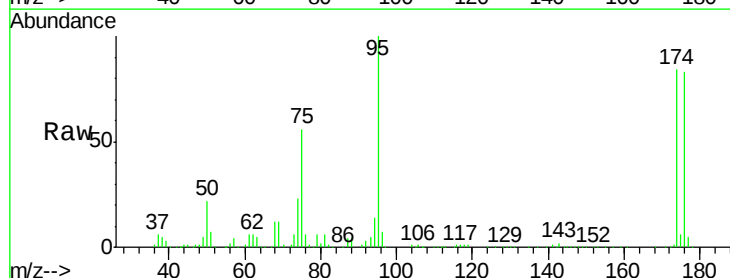
Acq: 15 Mar 2018 16:45

Tgt Ion: 75 Resp: 68797

Ion Ratio Lower Upper

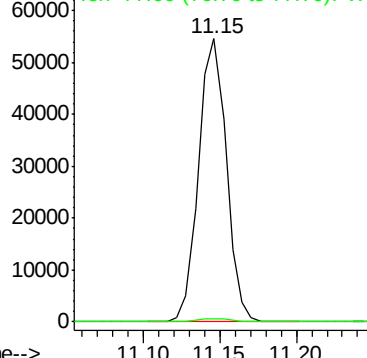
75 100

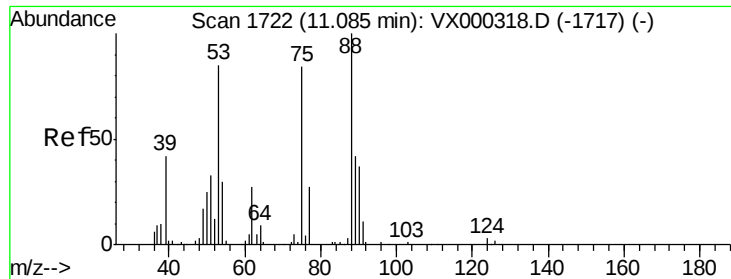
77 1.2 21.4 64.2#



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: 79.57 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

Instrument :

MSVOA_X

ClientSampleId :

SOIL-RBR200032

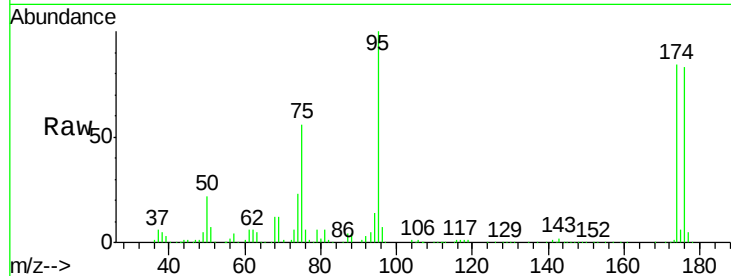
Tgt Ion: 75 Resp: 68797

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

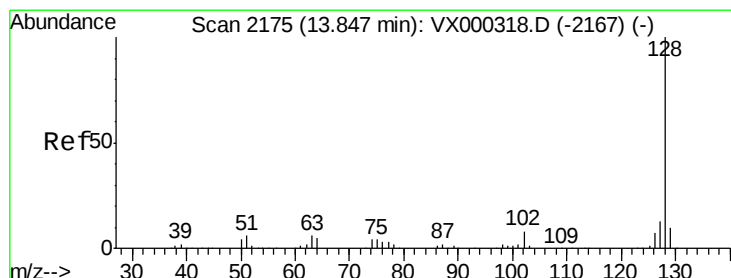
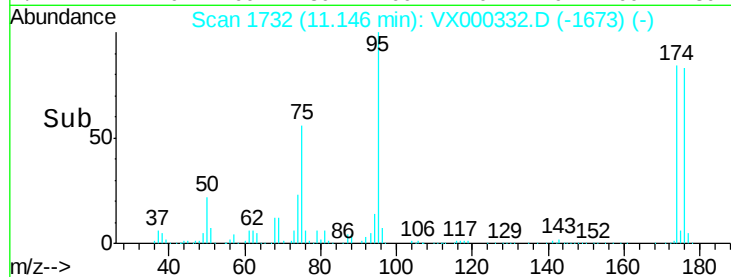
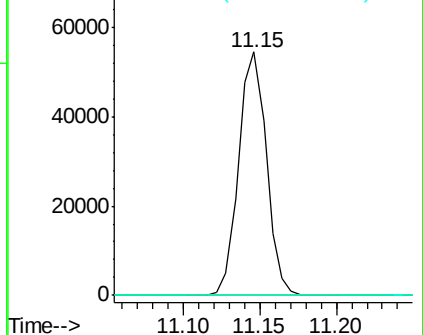
89 0.0 39.4 59.0#



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: 1.71 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VX000332.D

Acq: 15 Mar 2018 16:45

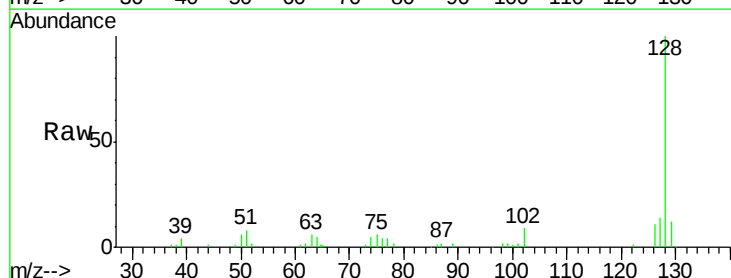
Tgt Ion: 128 Resp: 16448

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 11.0 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

