

Data File : VX000365.D

Acq On : 20 Mar 2018 17:37

Operator : JC/MD

Sample : J1975-07 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FS-SOIL

Quant Time: Mar 21 04:38:40 2018

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

Quant Title : SW846 8260

QLast Update : Tue Mar 20 14:01:51 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	99593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	172402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	68677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	70575	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	5.51	113	54083	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	8.73	98	211538	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.15	95	66401	36.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.58%	

Target Compounds

						Qvalue
6) Chloroethane	1.73	64	77	Below Cal	#	44
10) Methyl Iodide	2.53	142	123	4.37	ug/l #	37
13) Acrolein	2.30	56	34	14.80	ug/l #	13
15) Acrylonitrile	3.16	53	456	0.50	ug/l #	59
16) Acetone	2.45	43	1753	1.62	ug/l	93
17) Carbon Disulfide	2.57	76	864	0.32	ug/l #	75
20) Methylene Chloride	2.86	84	15315	12.26	ug/l	99
29) Tetrahydrofuran	5.17	42	193	0.26	ug/l #	31
36) 1,1-Dichloropropene	5.67	75	7616	4.72	ug/l #	52
38) Carbon Tetrachloride	5.67	117	9768	5.77	ug/l #	14
43) Isopropyl Acetate	6.49	43	743	0.23	ug/l #	74
74) N-amyl acetate	6.49	43	743	Below Cal	#	80
76) 1,2,3-Trichloropropane	11.15	75	38454	26.05	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	38454	84.35	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1189	0.30	ug/l	98
93) 1,2,4-Trichlorobenzene	13.66	180	336	0.21	ug/l	98
95) Naphthalene	13.84	128	9849	1.76	ug/l	99

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

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ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

FS-SOIL

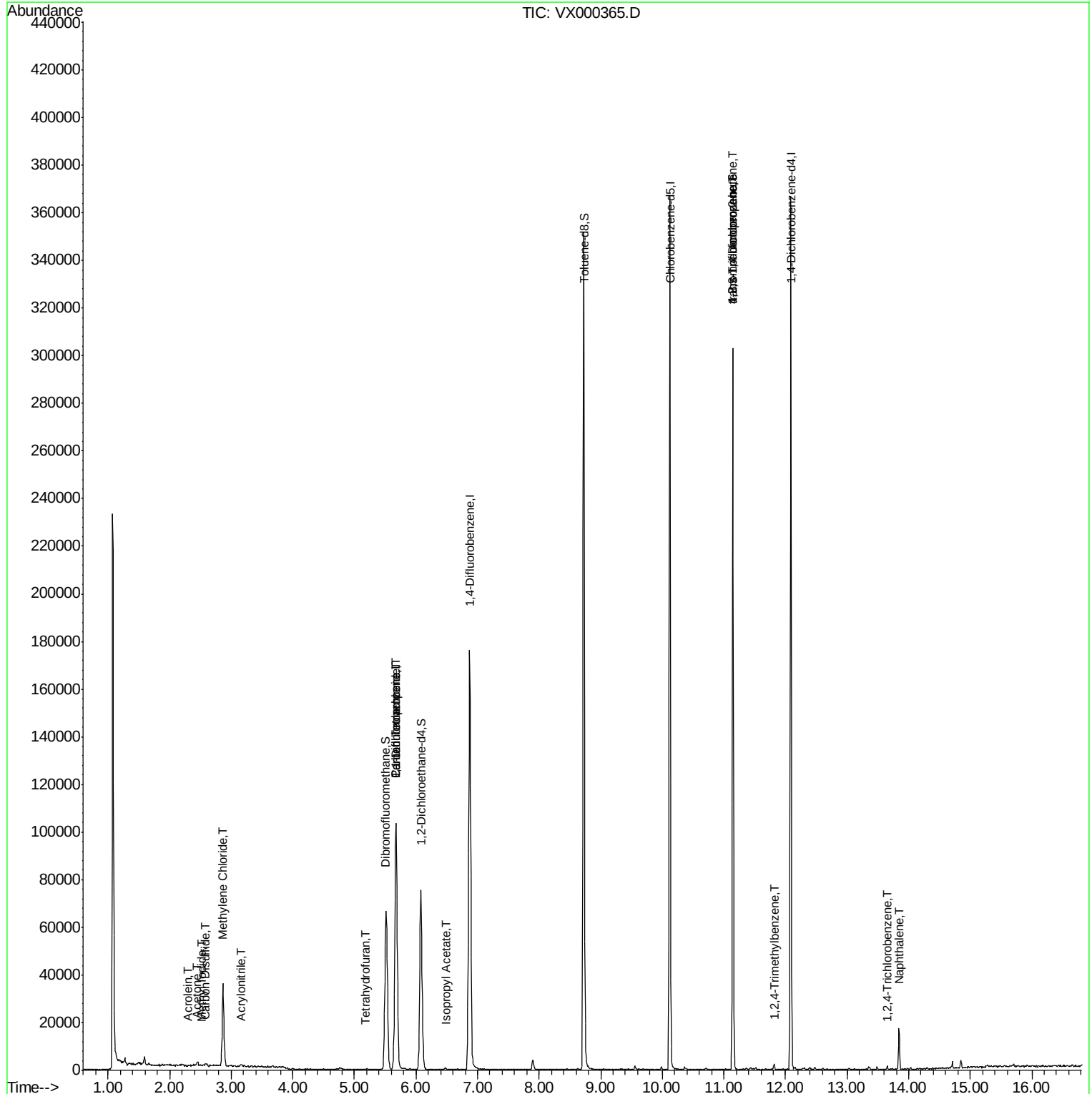
Quant Time: Mar 21 04:38:40 2018

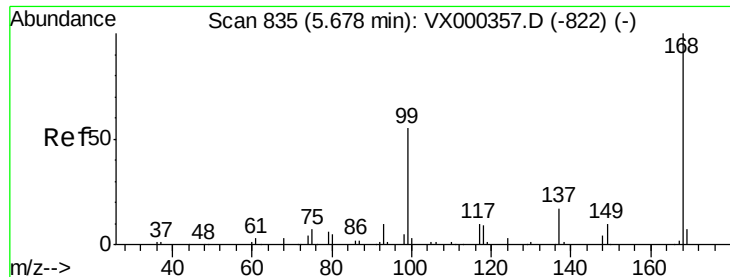
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Tue Mar 20 14:01:51 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: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampled :

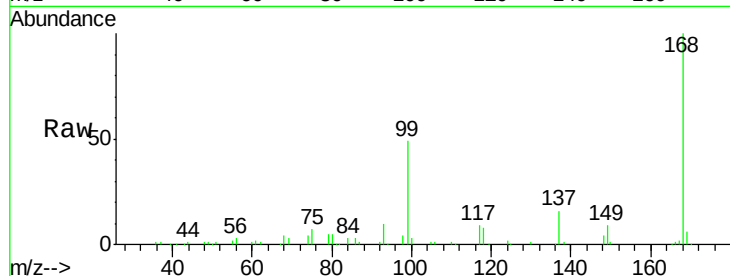
FS-SOIL

Tgt Ion:168 Resp: 99593

Ion Ratio Lower Upper

168 100

99 49.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

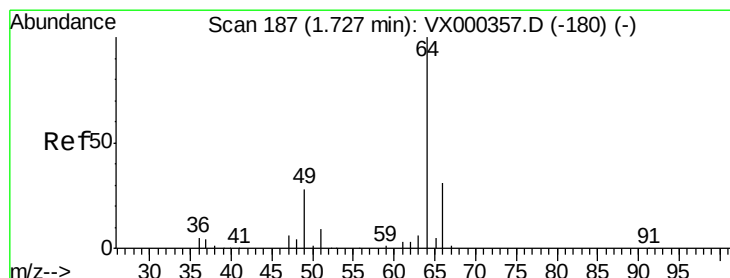
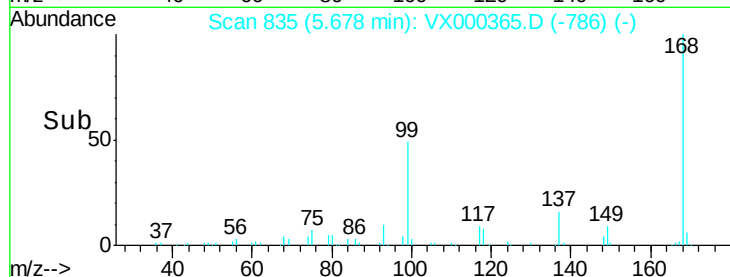
20000

10000

0

Time-->

5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000365.D

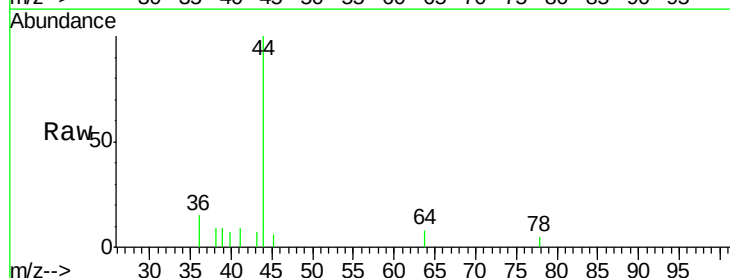
Acq: 20 Mar 2018 17:37

Tgt Ion: 64 Resp: 77

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

100

80

60

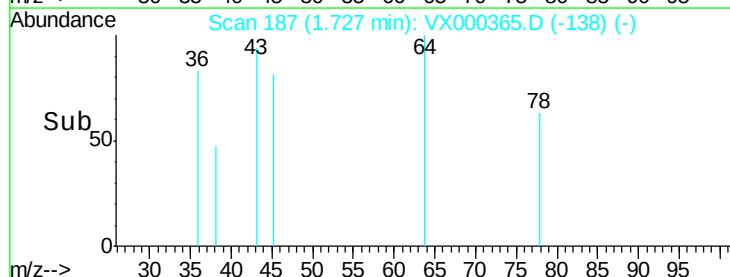
40

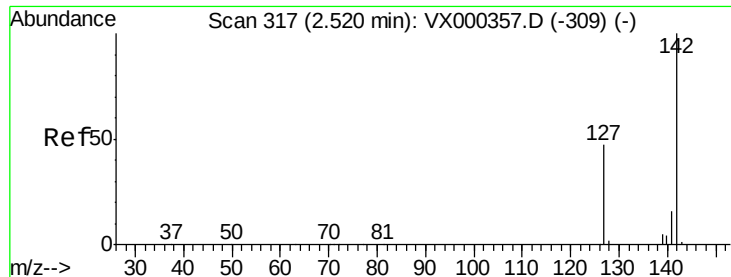
20

0

Time-->

1.70 1.72 1.74

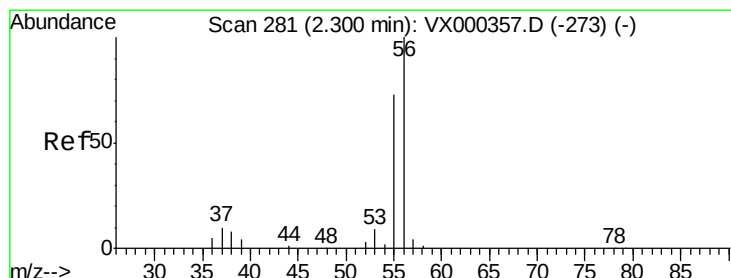
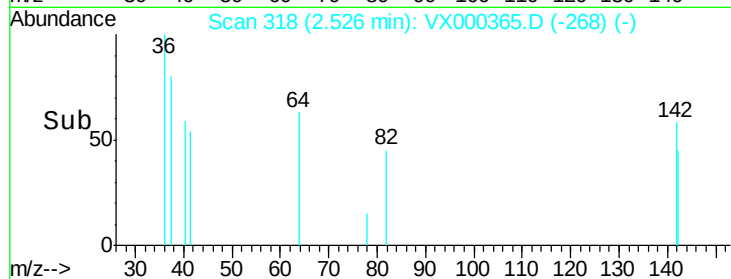
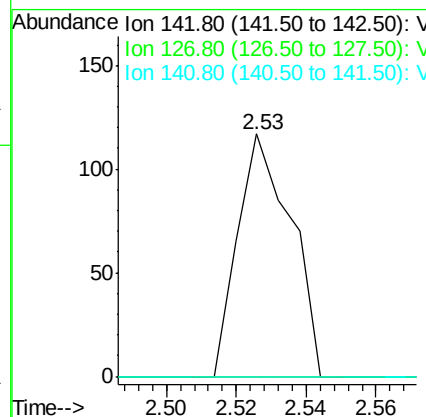
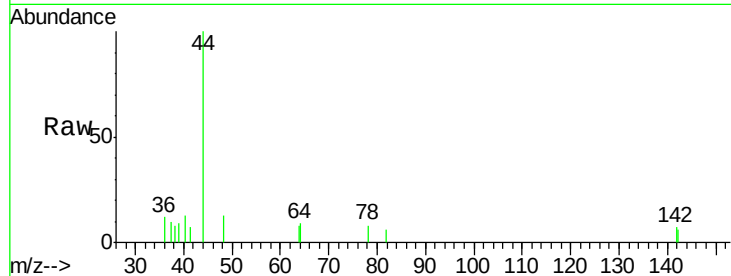




#10
Methyl Iodide
Concen: 4.37 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

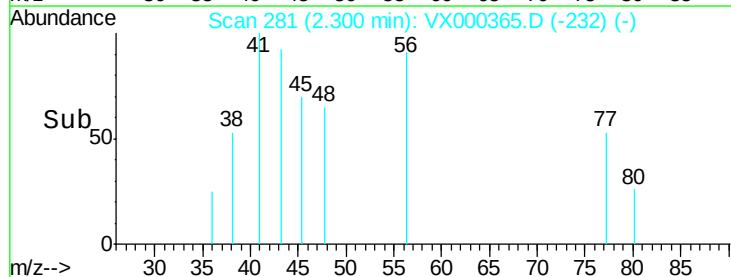
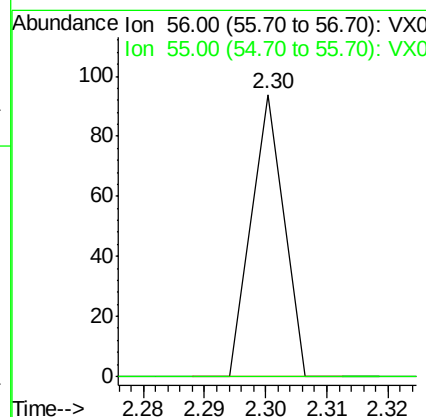
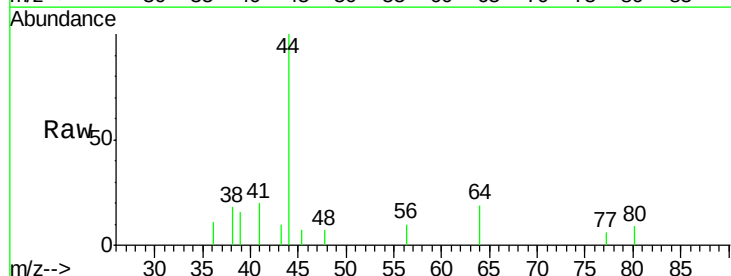
Instrument :
MSVOA_X
ClientSampleId :
FS-SOIL

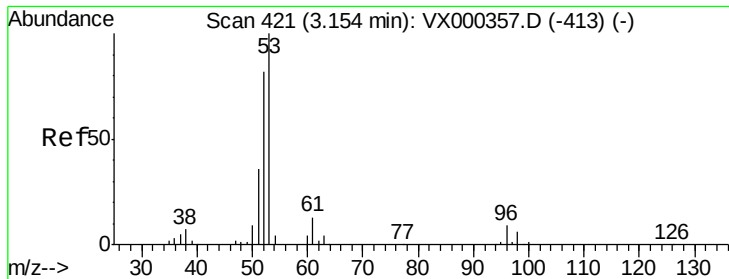
Tgt Ion: 142 Resp: 123
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 14.80 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

Tgt Ion: 56 Resp: 34
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#





#15

Acrylonitrile

Concen: 0.50 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampled :

FS-SOIL

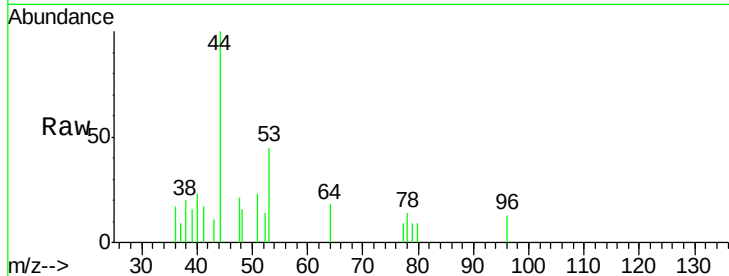
Tgt Ion: 53 Resp: 456

Ion Ratio Lower Upper

53 100

52 31.6 66.6 99.8#

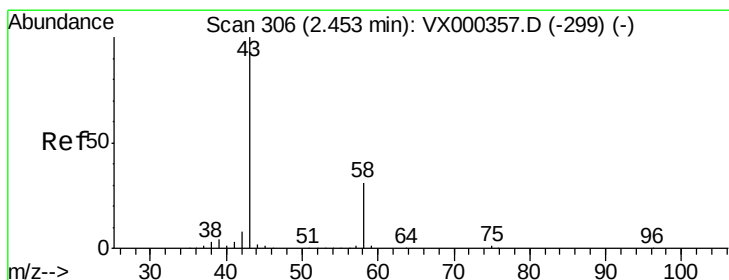
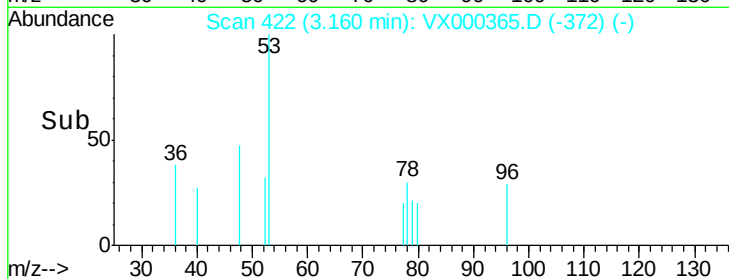
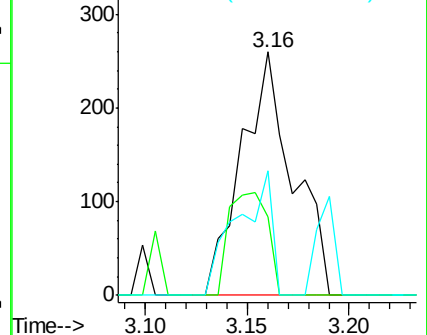
51 34.6 29.3 43.9



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: 1.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000365.D

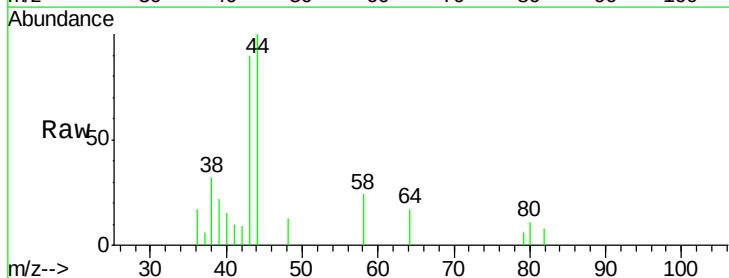
Acq: 20 Mar 2018 17:37

Tgt Ion: 43 Resp: 1753

Ion Ratio Lower Upper

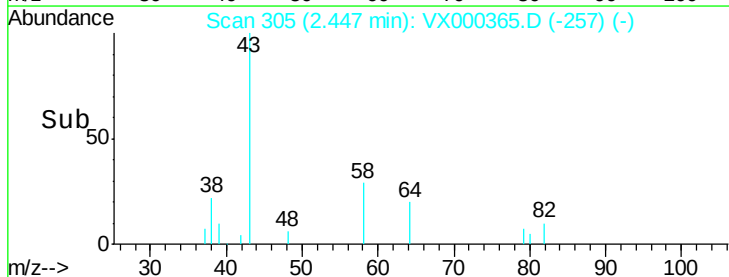
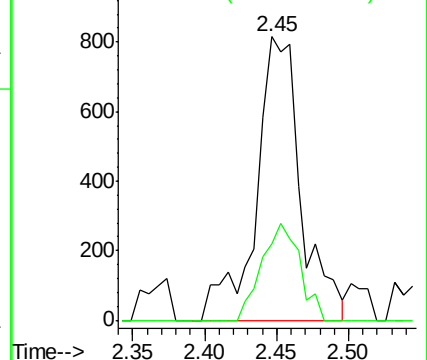
43 100

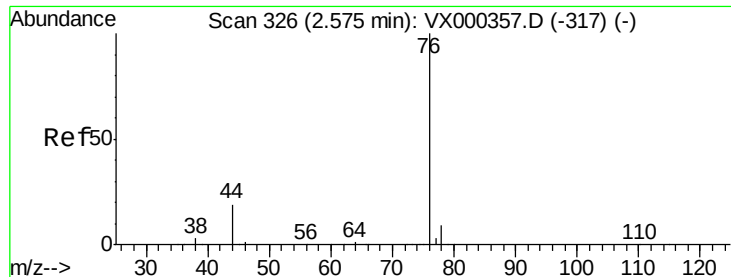
58 27.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.32 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

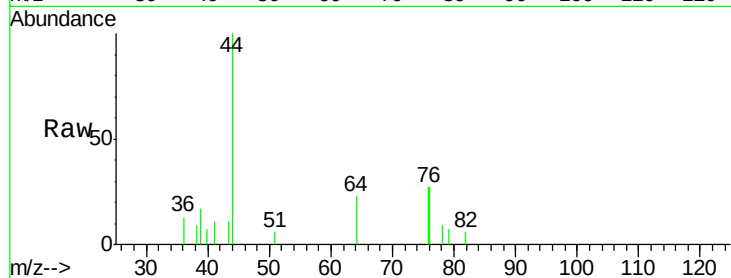
FS-SOIL

Tgt Ion: 76 Resp: 864

Ion Ratio Lower Upper

76 100

78 17.7 7.0 10.6#

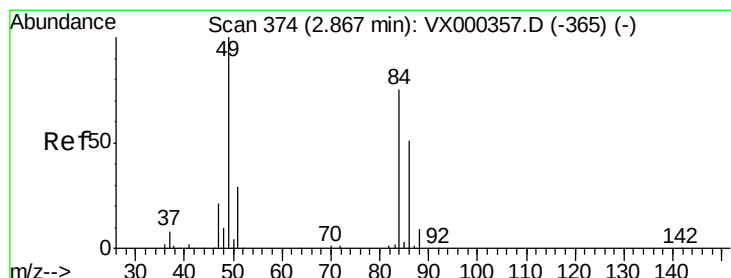
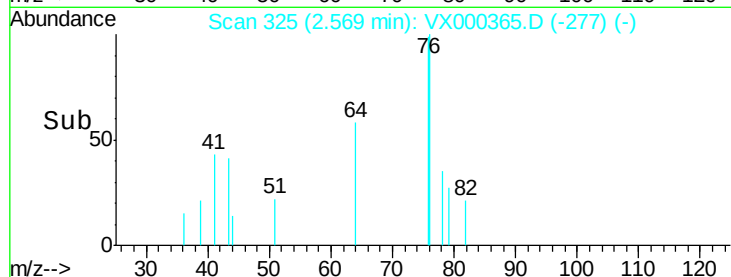


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



#20

Methylene Chloride

Concen: 12.26 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

Tgt Ion: 84 Resp: 15315

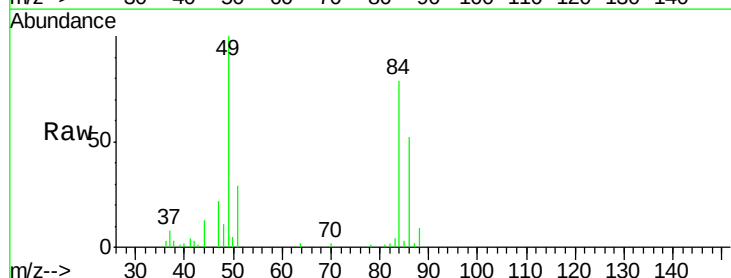
Ion Ratio Lower Upper

84 100

49 127.0 100.6 151.0

51 37.1 31.6 47.4

86 65.8 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

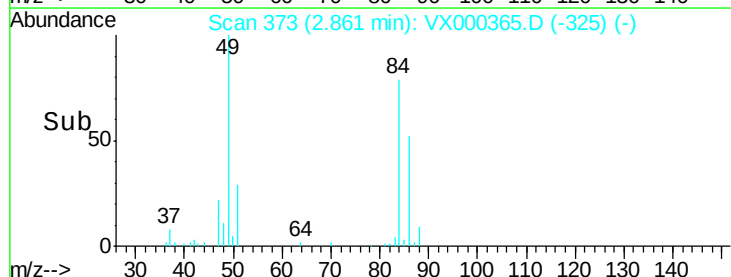
15000

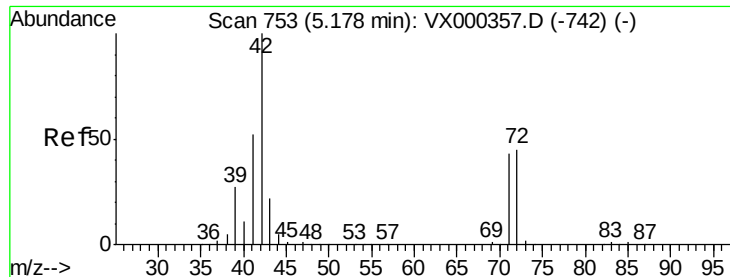
10000

5000

0

Time-->

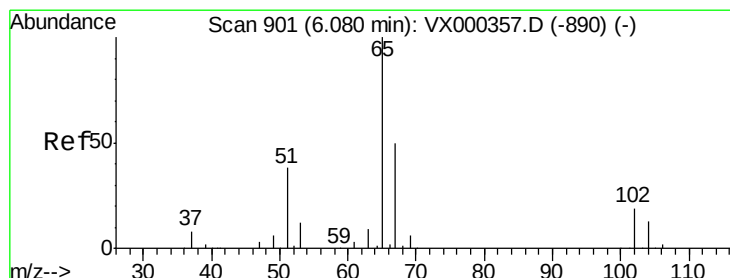
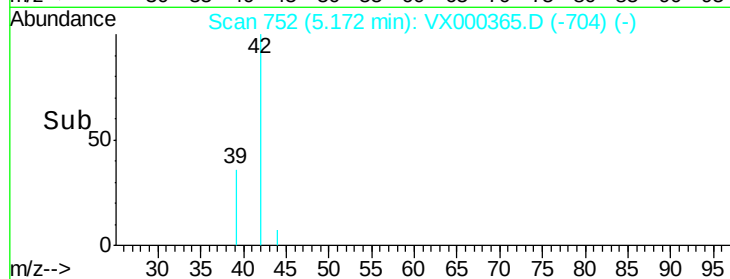
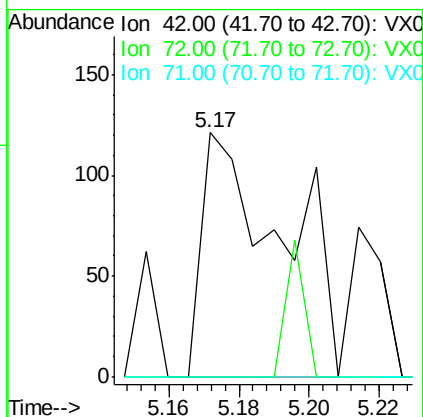
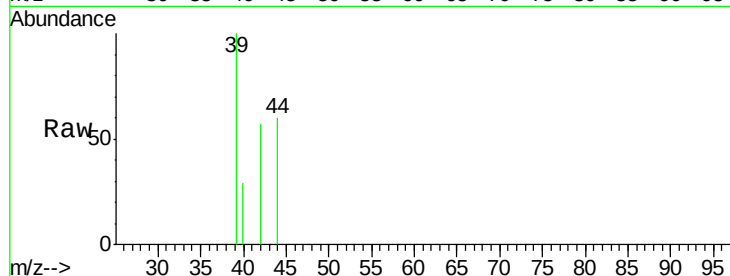




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

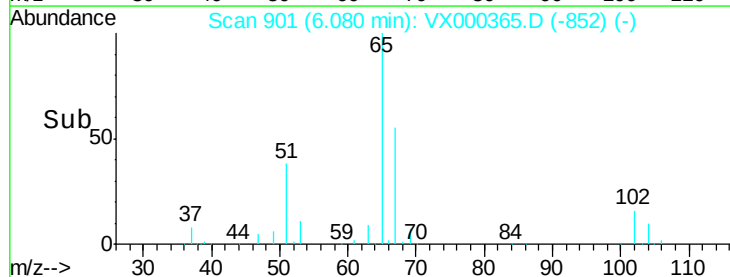
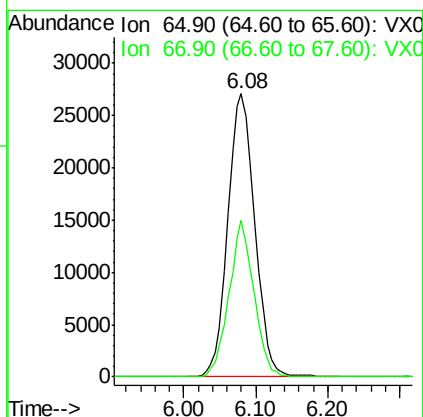
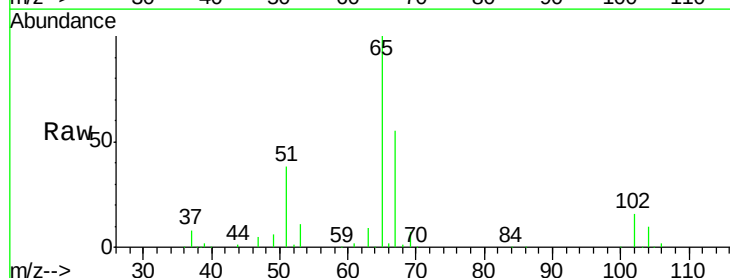
Instrument :
MSVOA_X
ClientSampleId :
FS-SOIL

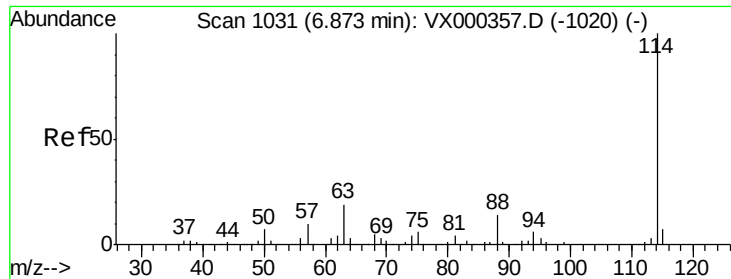
Tgt Ion: 42 Resp: 193
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 34.4 51.6#



#33
1,2-Dichloroethane-d4
Concen: 54.29 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

Tgt Ion: 65 Resp: 70575
Ion Ratio Lower Upper
65 100
67 50.9 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: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampled :

FS-SOIL

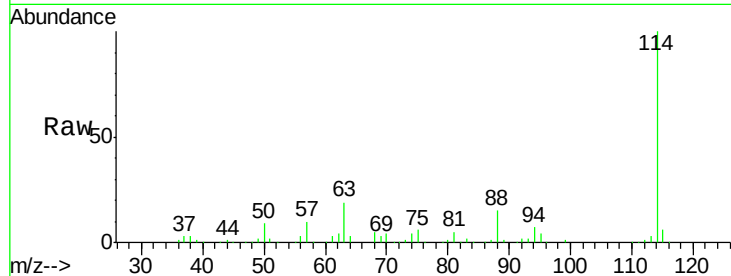
Tgt Ion:114 Resp: 172402

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

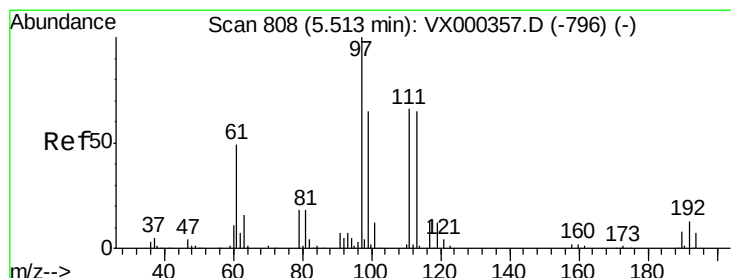
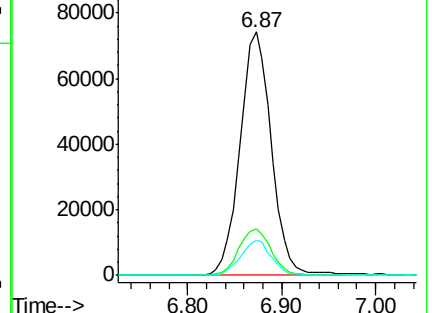
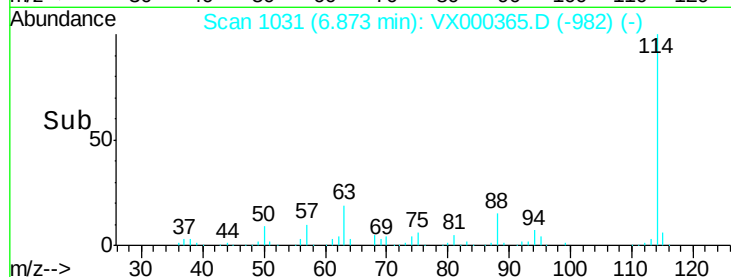
88 14.6 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.79 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

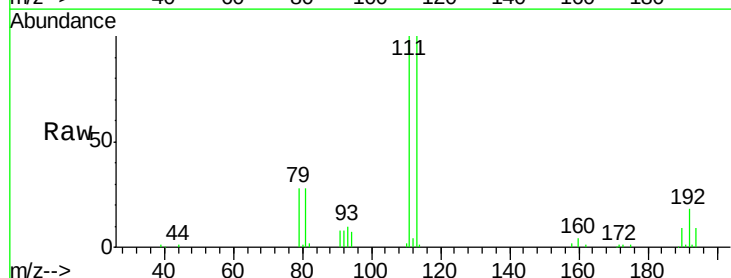
Tgt Ion:113 Resp: 54083

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

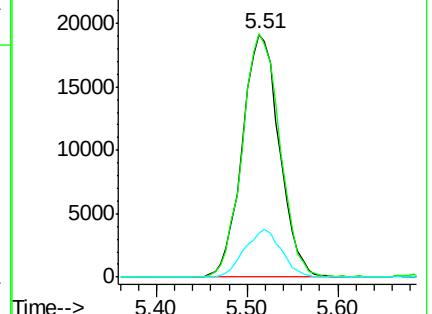
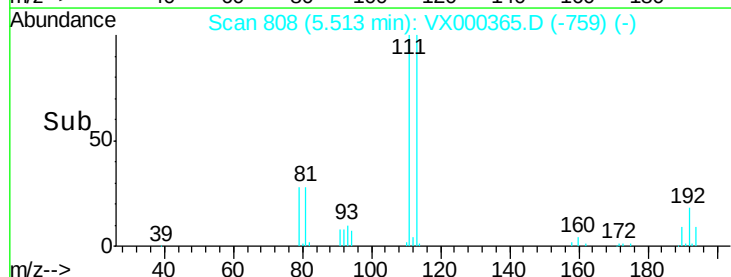
192 19.4 15.8 23.6

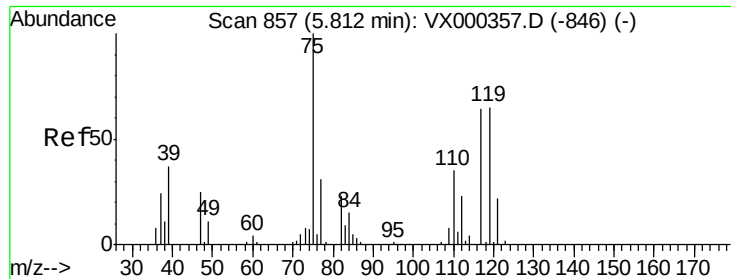


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

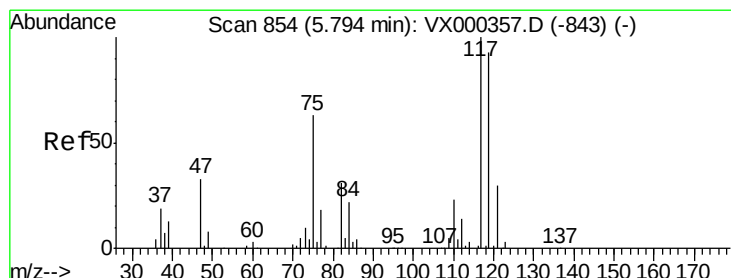
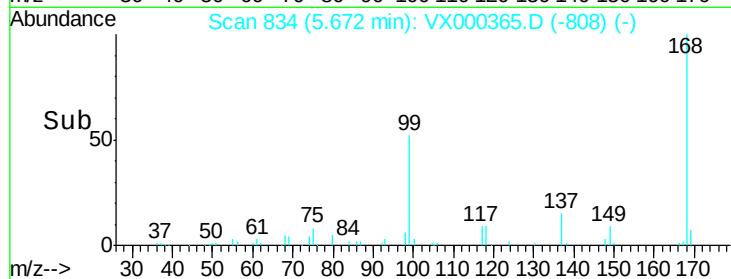
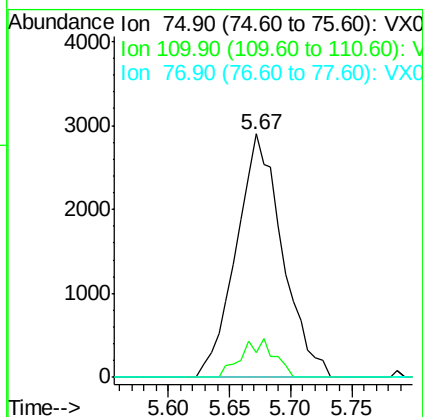
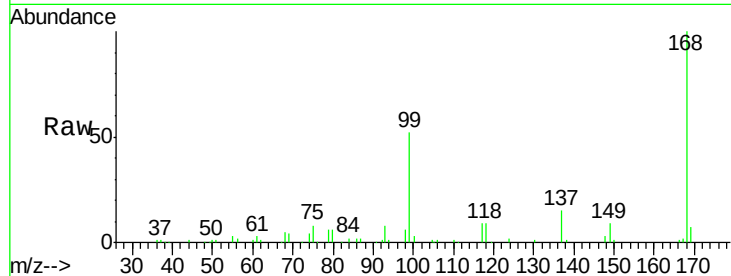




#36
 1,1-Dichloropropene
 Concen: 4.72 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

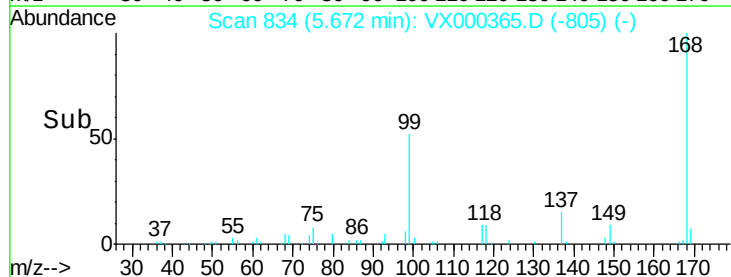
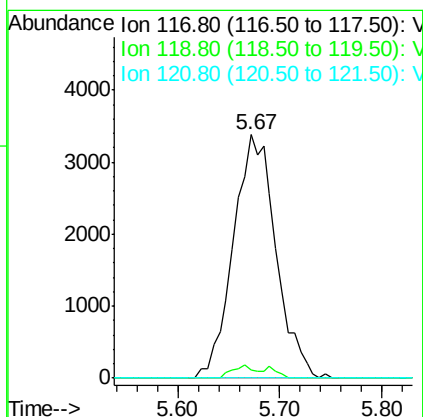
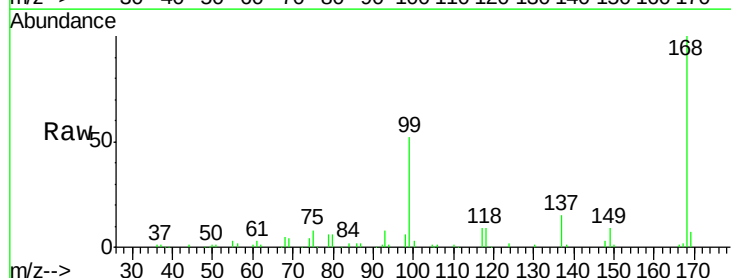
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-SOIL

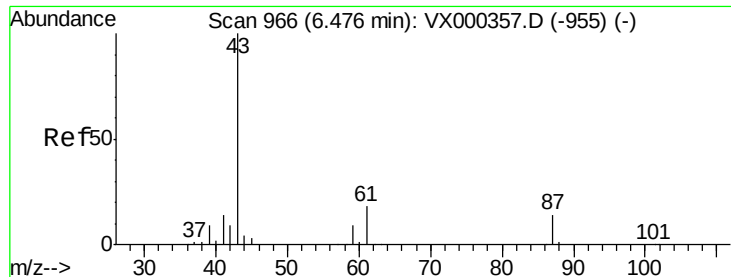
Tgt Ion: 75 Resp: 7616
 Ion Ratio Lower Upper
 75 100
 110 11.2 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.77 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

Tgt Ion: 117 Resp: 9768
 Ion Ratio Lower Upper
 117 100
 119 3.5 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.23 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampled :

FS-SOIL

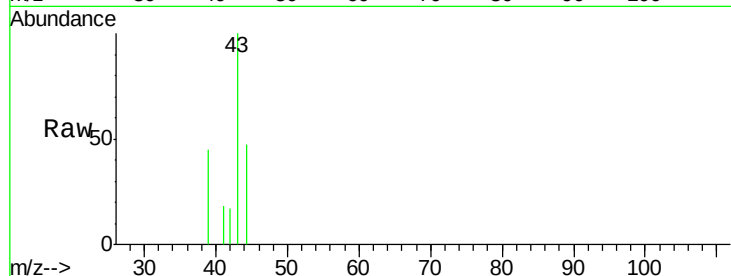
Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

61 9.0 14.4 21.6#

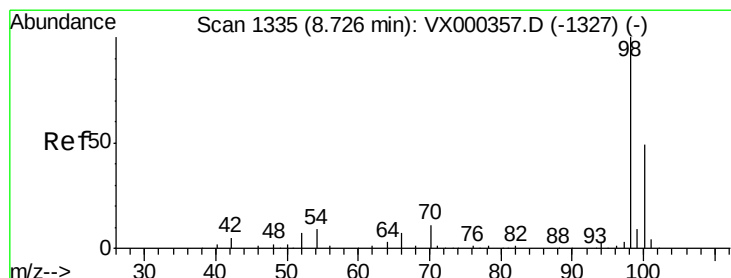
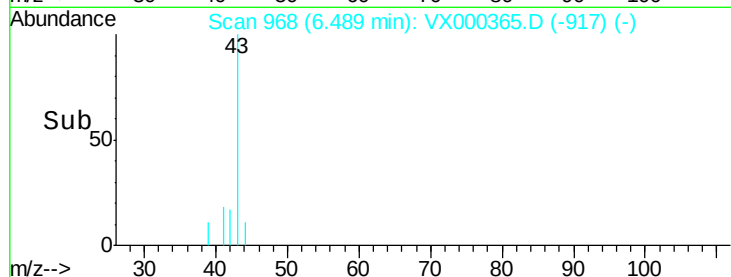
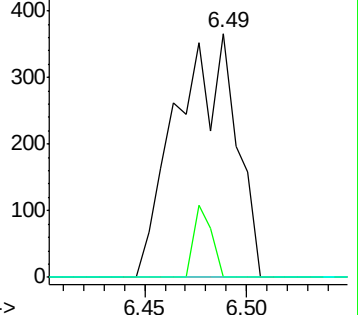
87 0.0 11.0 16.4#



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: 47.02 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000365.D

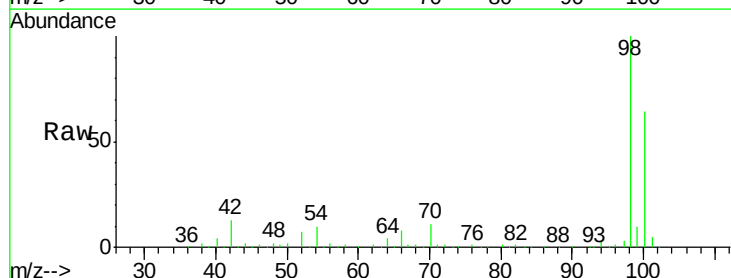
Acq: 20 Mar 2018 17:37

Tgt Ion: 98 Resp: 211538

Ion Ratio Lower Upper

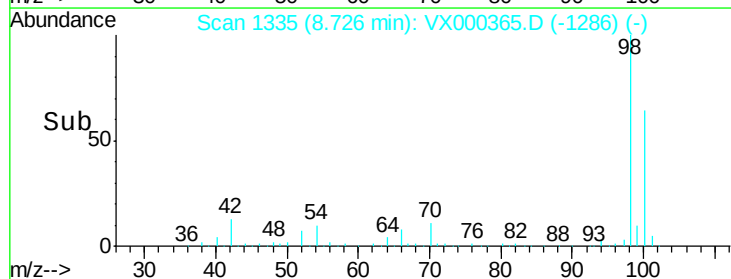
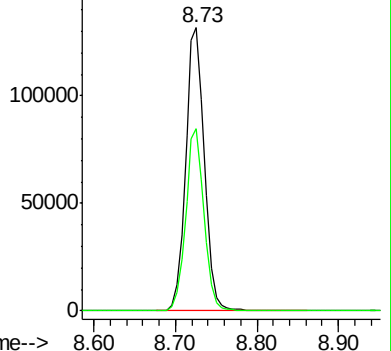
98 100

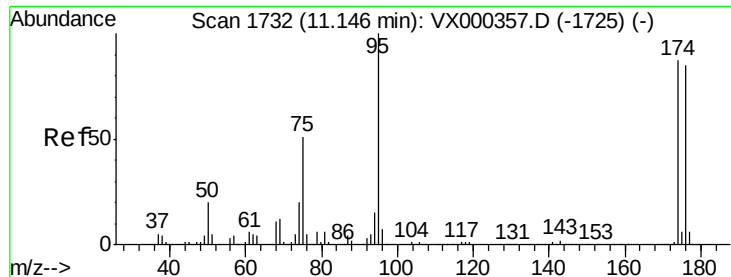
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

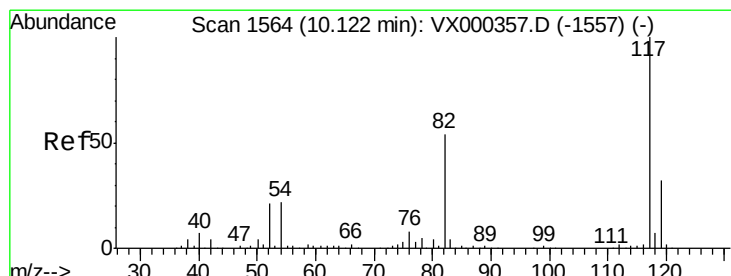
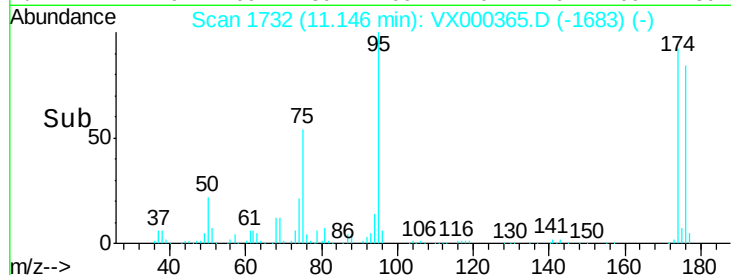
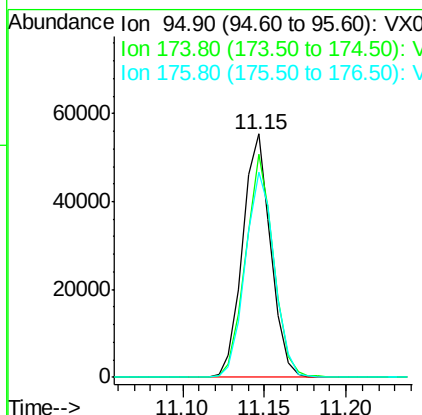
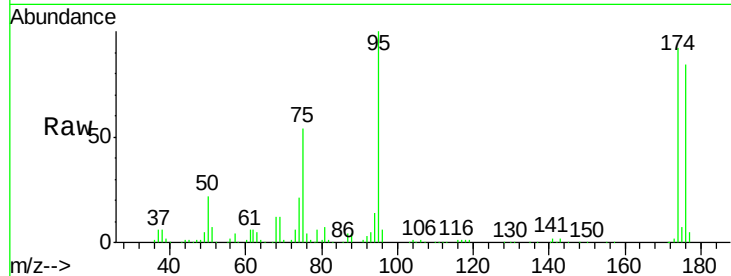




#62
4-Bromofluorobenzene
Concen: 36.79 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

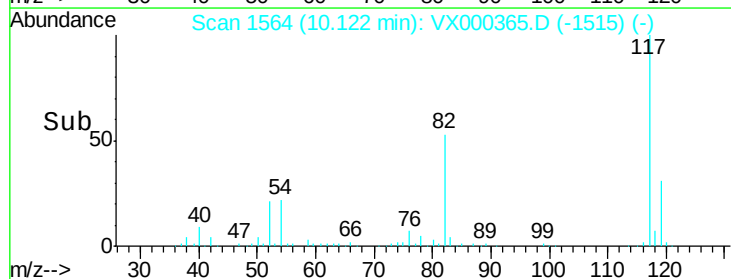
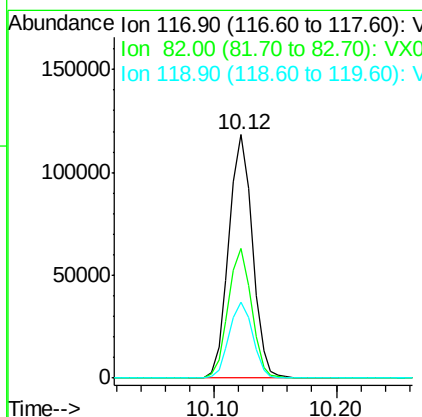
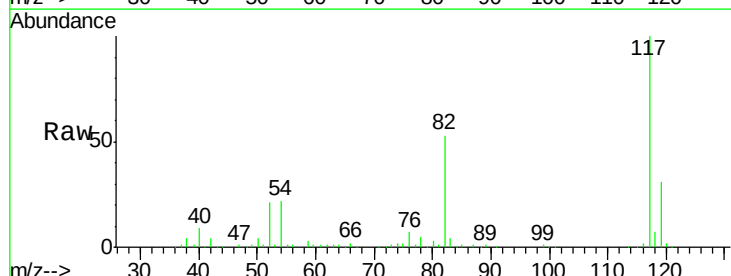
Instrument :
MSVOA_X
ClientSampleId :
FS-SOIL

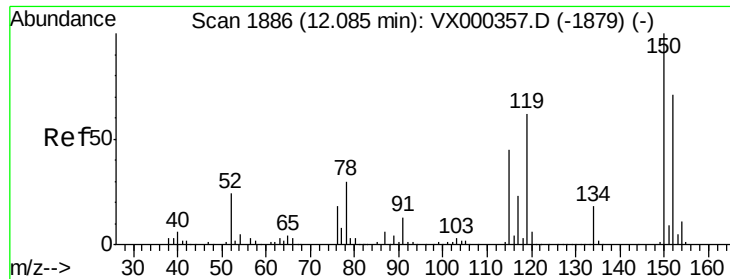
Tgt Ion: 95 Resp: 66401
Ion Ratio Lower Upper
95 100
174 91.0 0.0 173.6
176 87.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

Tgt Ion: 117 Resp: 158088
Ion Ratio Lower Upper
117 100
82 53.0 43.8 65.8
119 31.0 24.9 37.3

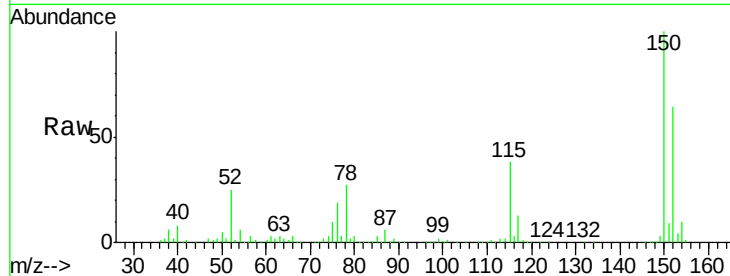




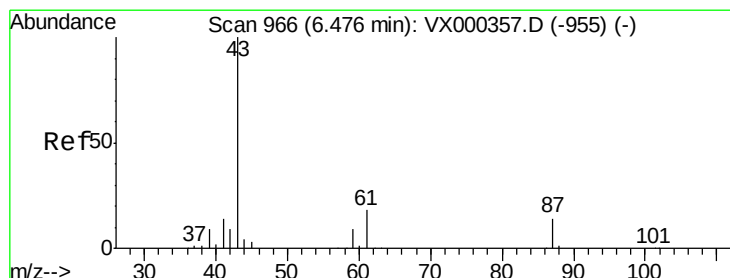
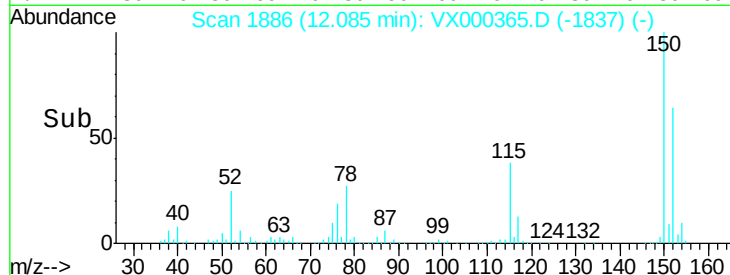
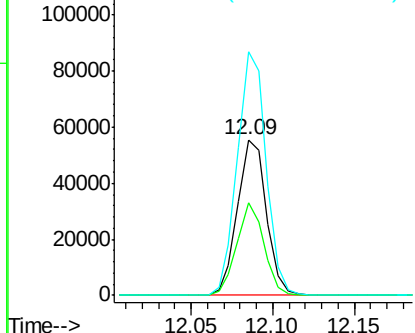
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 FS-SOIL

Tgt Ion: 152 Resp: 68677
 Ion Ratio Lower Upper
 152 100
 115 56.3 39.8 119.3
 150 155.9 0.0 344.4

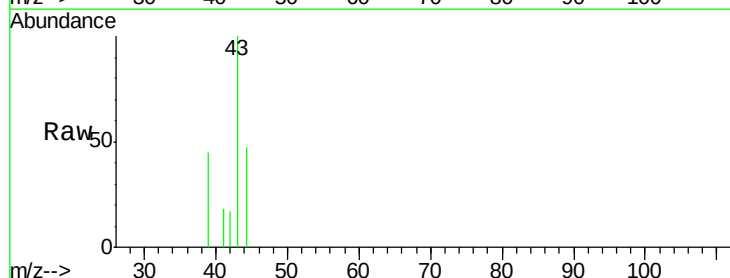


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

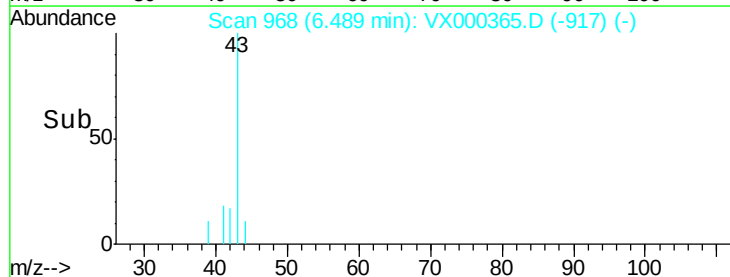
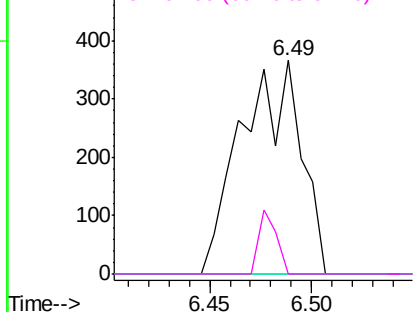


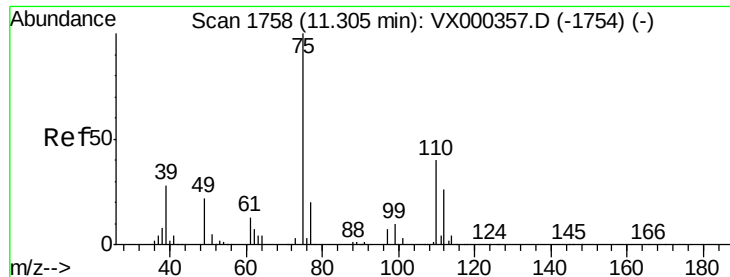
#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

Tgt Ion: 43 Resp: 743
 Ion Ratio Lower Upper
 43 100
 70 0.0 0.0 0.0
 55 0.0 0.0 0.0
 61 9.0 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: 26.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

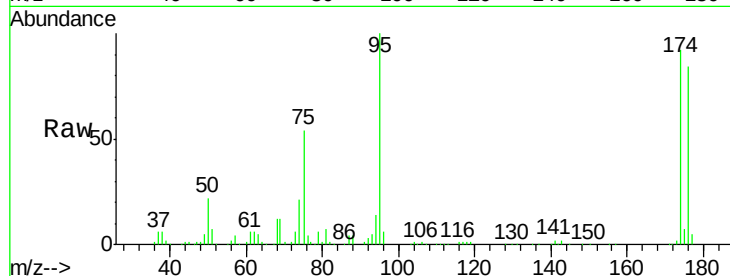
FS-SOIL

Tgt Ion: 75 Resp: 38454

Ion Ratio Lower Upper

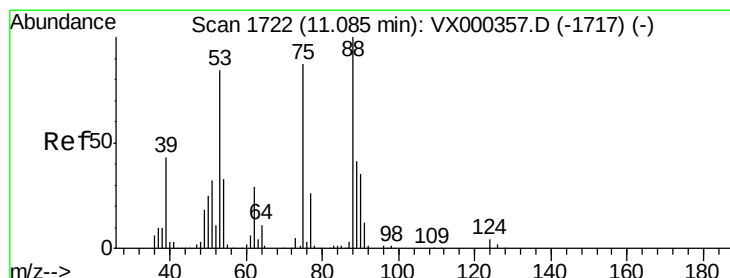
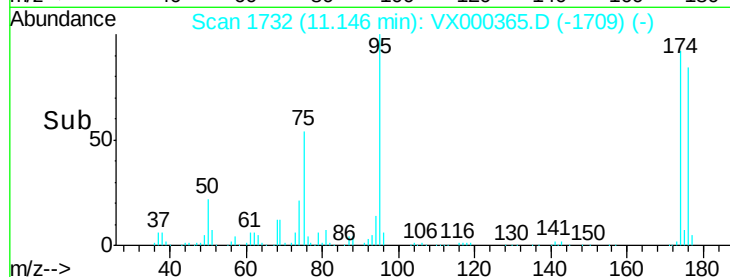
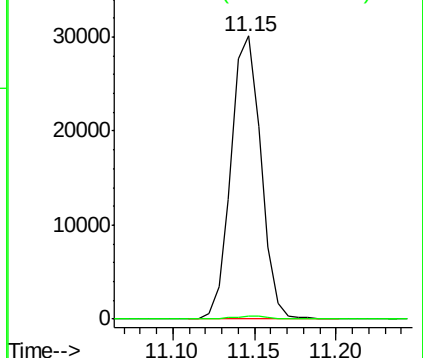
75 100

77 1.4 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: 84.35 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000365.D

Acq: 20 Mar 2018 17:37

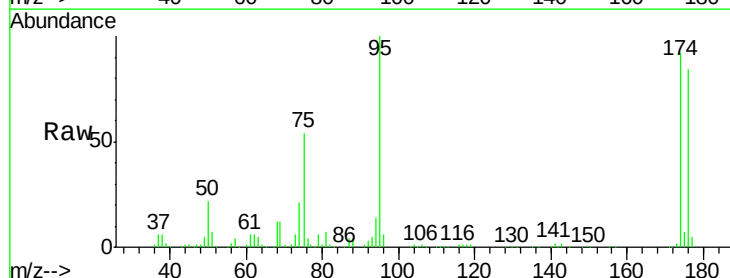
Tgt Ion: 75 Resp: 38454

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

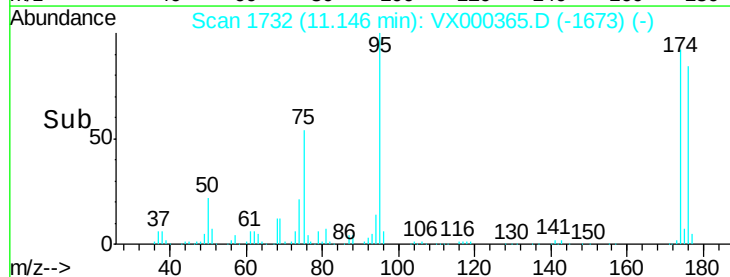
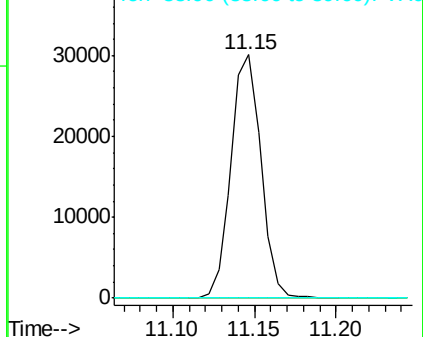
89 0.1 39.4 59.0#

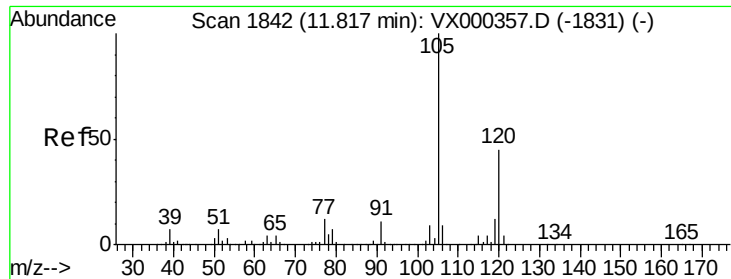


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

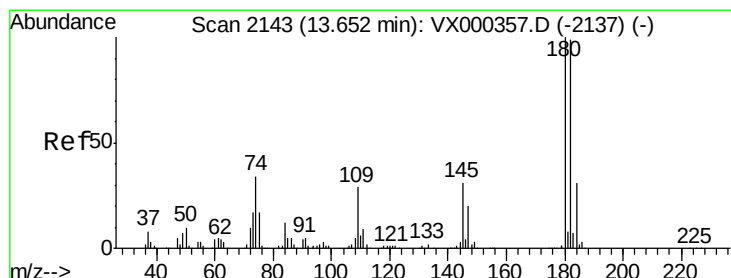
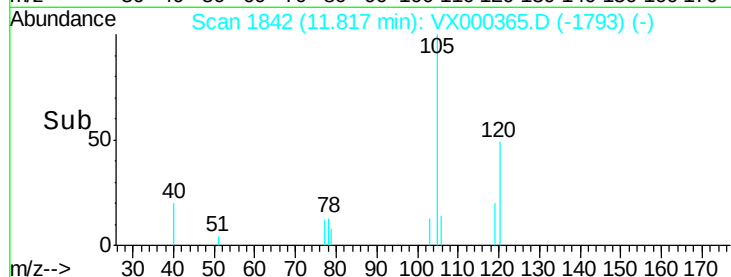
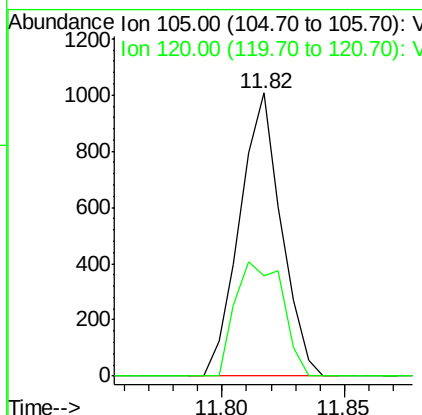
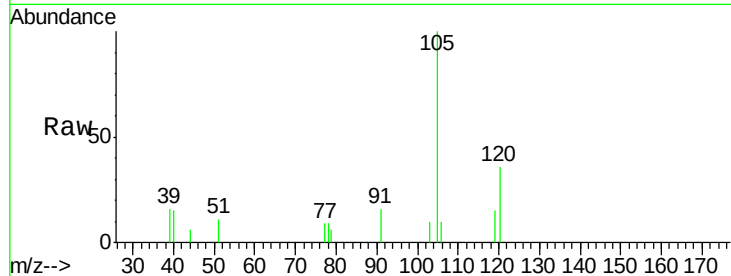




#84
 1,2,4-Trimethylbenzene
 Concen: 0.30 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

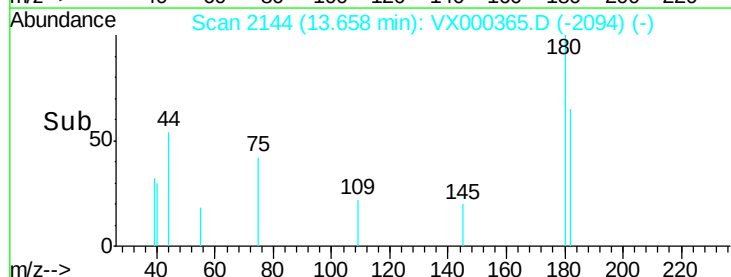
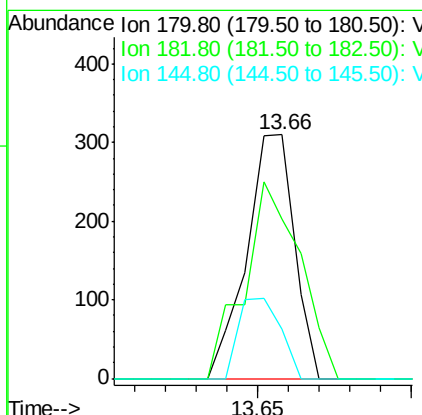
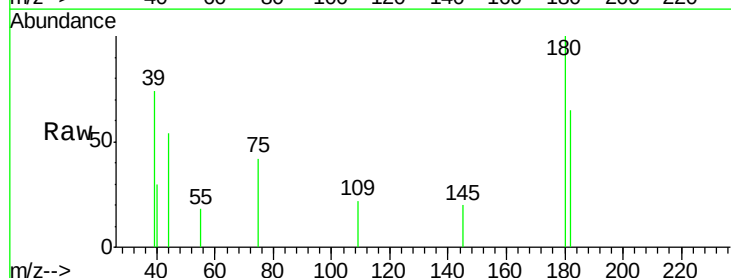
Instrument :
 MSVOA_X
 ClientSampleId :
 FS-SOIL

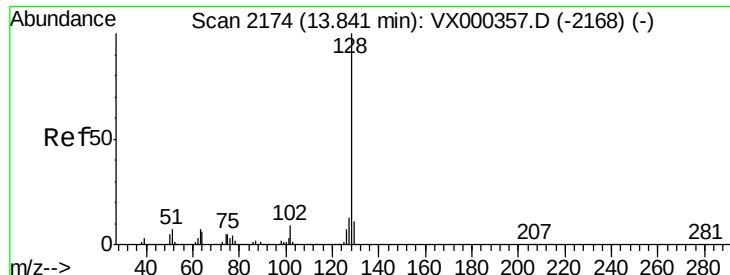
Tgt Ion:105 Resp: 1189
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.4 67.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000365.D
 Acq: 20 Mar 2018 17:37

Tgt Ion:180 Resp: 336
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.6 142.9
 145 28.9 15.1 45.3





#95
Naphthalene
Concen: 1.76 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000365.D
Acq: 20 Mar 2018 17:37

Instrument :
MSVOA_X
ClientSampleId :
FS-SOIL

Tgt Ion:128 Resp: 9849
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.9 8.9 13.3

