

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059454.D
 Acq On : 6 Jul 2018 17:23
 Operator : VA/AP
 Sample : J3852-11RE
 Misc : 6.35g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jul 07 01:50:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	228162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	347525	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	340986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	218740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	154552	52.43	ug/l	0.00
Spiked Amount						
			Recovery	=	104.86%	
35) Dibromofluoromethane	4.27	113	143005	56.32	ug/l	0.00
Spiked Amount						
			Recovery	=	112.64%	
50) Toluene-d8	7.69	98	295223	46.96	ug/l	0.00
Spiked Amount						
			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	11.50	95	164722	46.45	ug/l	0.00
Spiked Amount						
			Recovery	=	92.90%	

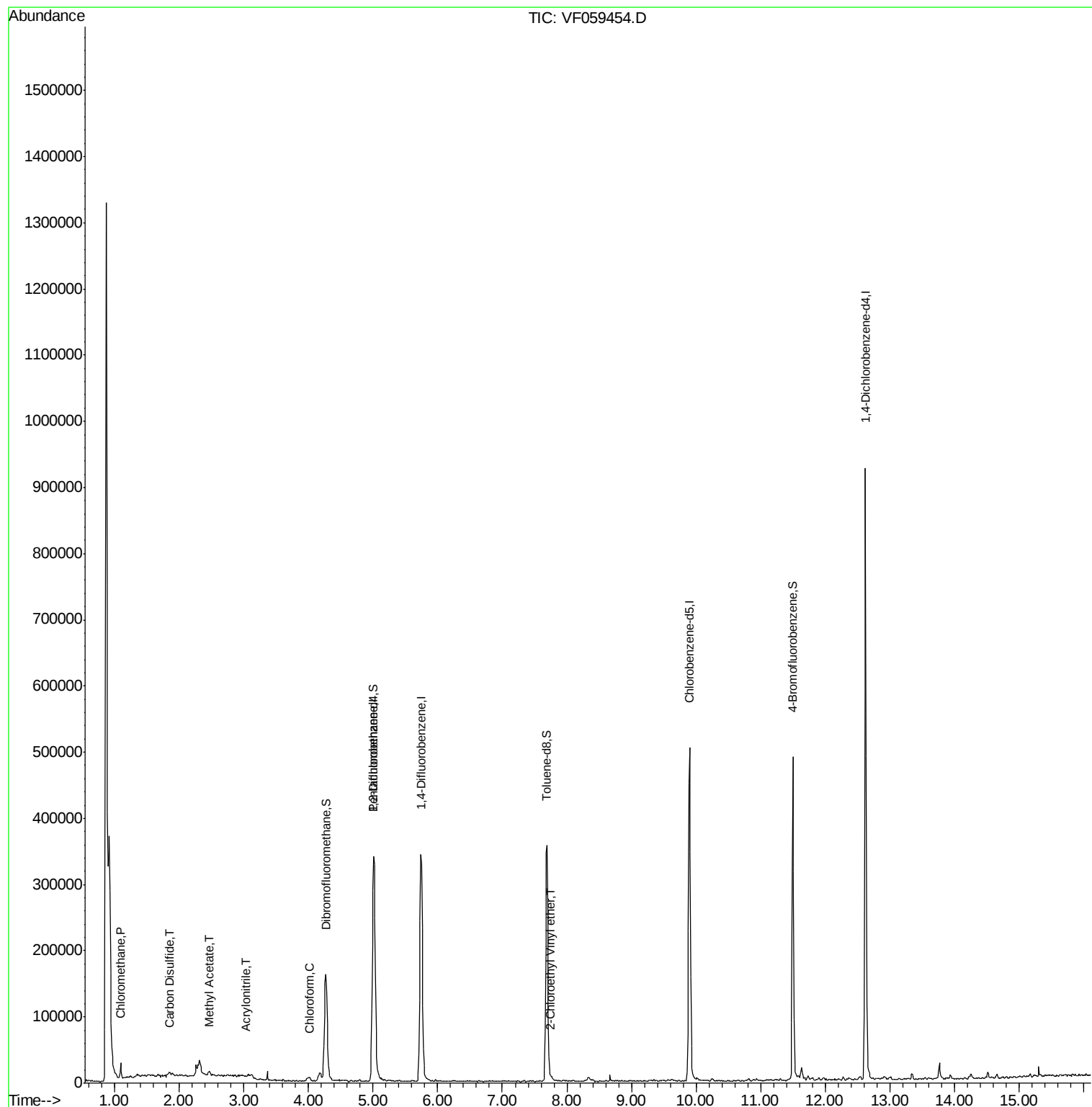
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	1776	1.268	ug/l #	87
5) Bromomethane	1.32	94	356	Below Cal	#	4
13) Acrolein	2.01	56	606	Below Cal		87
15) Acrylonitrile	3.04	53	606	1.754	ug/l #	50
16) Acetone	2.47	43	2133	Below Cal		99
17) Carbon Disulfide	1.86	76	14625	4.622	ug/l #	93
18) Methyl Acetate	2.47	43	3316	1.360	ug/l	98
28) Bromochloromethane	3.91	49	66	Below Cal	#	6
29) Tetrahydrofuran	4.24	42	376	Below Cal	#	58
30) Chloroform	4.01	83	5388	1.074	ug/l	98
37) Ethyl Acetate	4.26	43	521	Below Cal	#	26
49) 1,4-Dioxane	7.16	88	66	Below Cal	#	16
58) 2-Chloroethyl Vinyl ether	7.75	63	335	1.844	ug/l	100
59) 2-Hexanone	9.60	43	2113	Below Cal		78
87) 1,3-Dichlorobenzene	12.64	146	1353	Below Cal		85

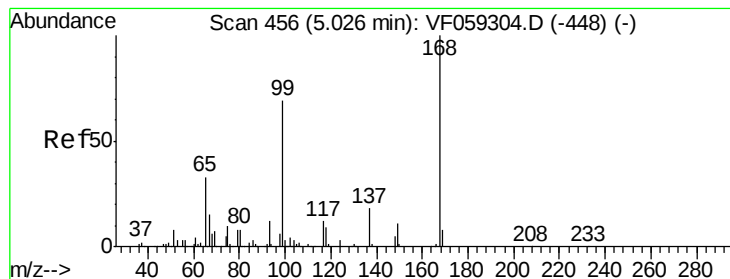
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF070618\
Data File : VF059454.D
Acq On : 6 Jul 2018 17:23
Operator : VA/AP
Sample : J3852-11RE
Misc : 6.35g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-2

Quant Time: Jul 07 01:50:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

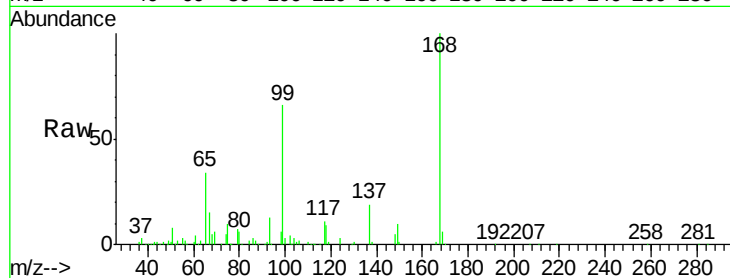
HC-SOIL-2

Tot Ion:168 Resp: 228162

Ion Ratio Lower Upper

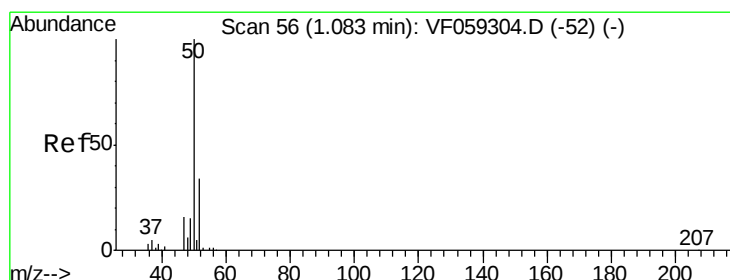
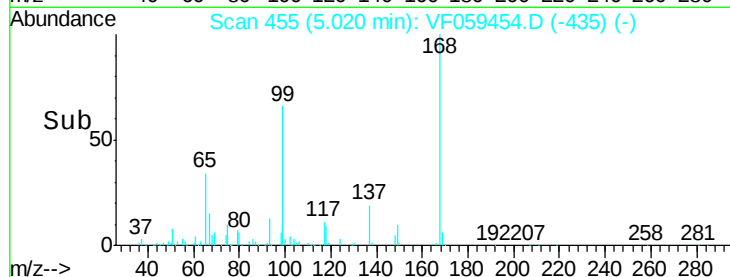
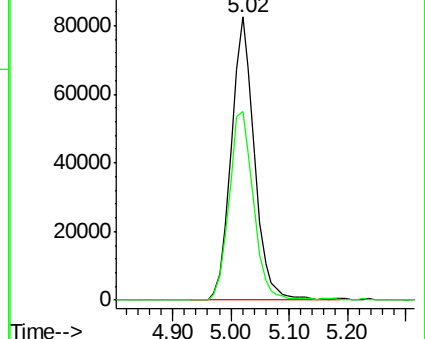
168 100

99 66.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.268 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059454.D

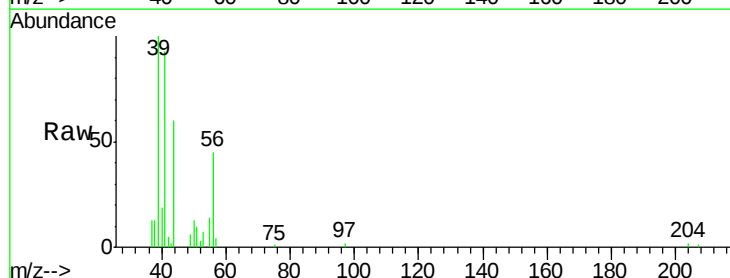
Acq: 6 Jul 2018 17:23

Tgt Ion: 50 Resp: 1776

Ion Ratio Lower Upper

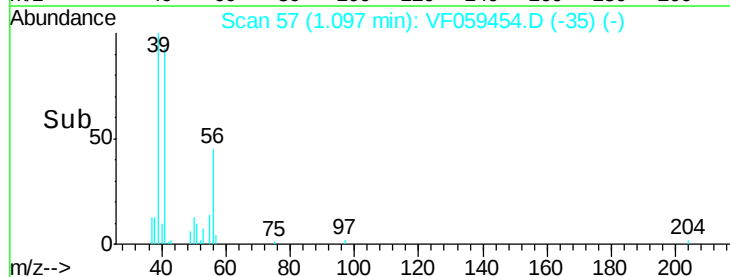
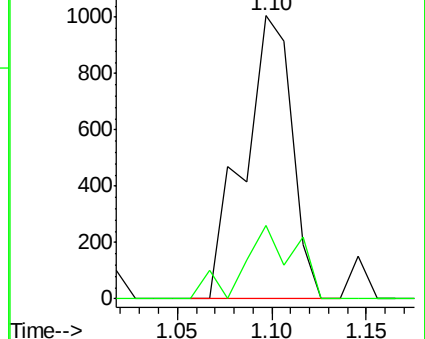
50 100

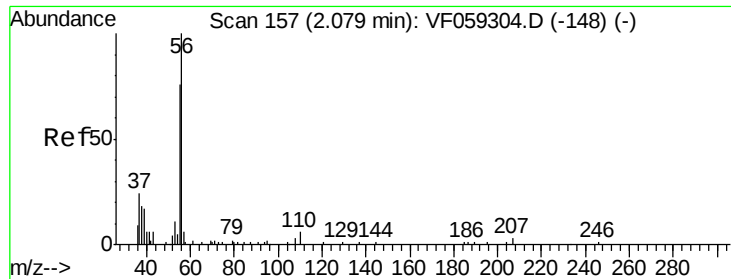
52 26.0 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

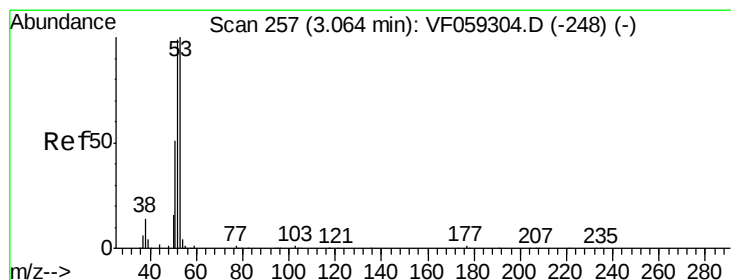
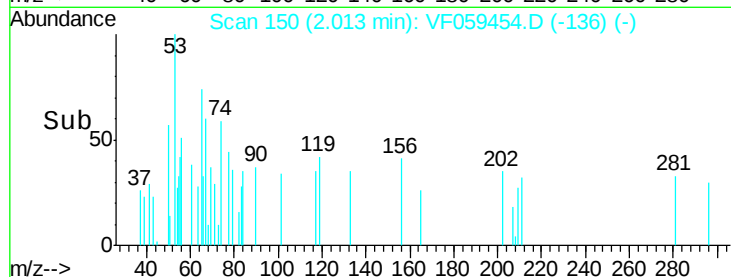
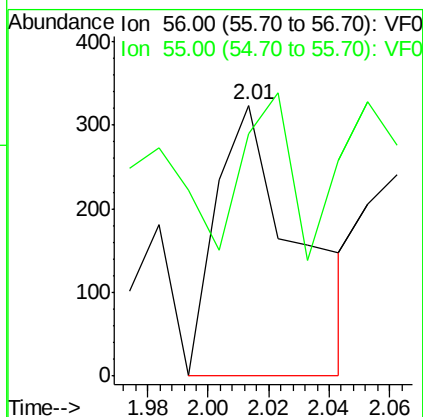
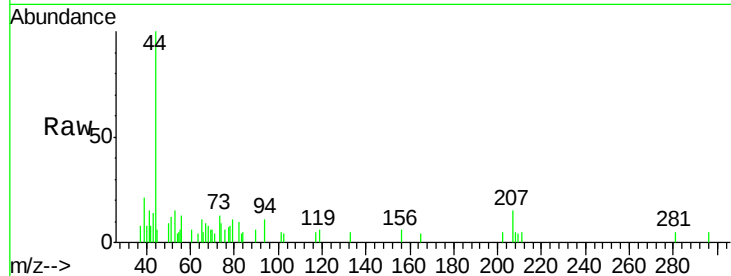




#13
Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 150
Delta R.T. -0.06 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

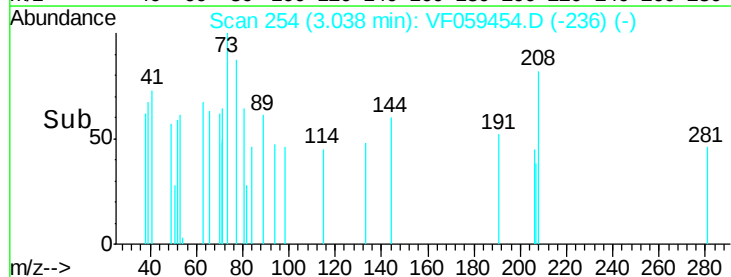
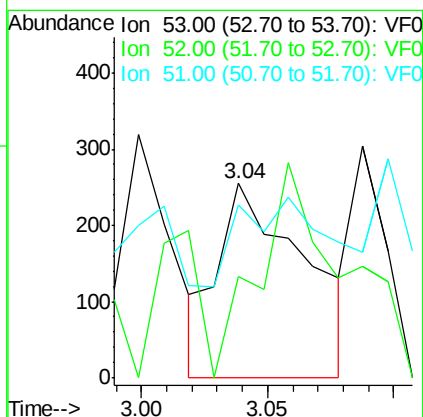
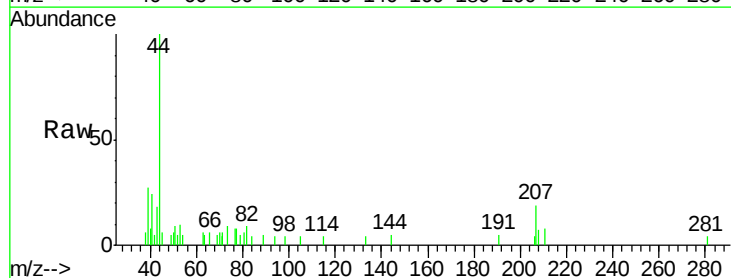
Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-2

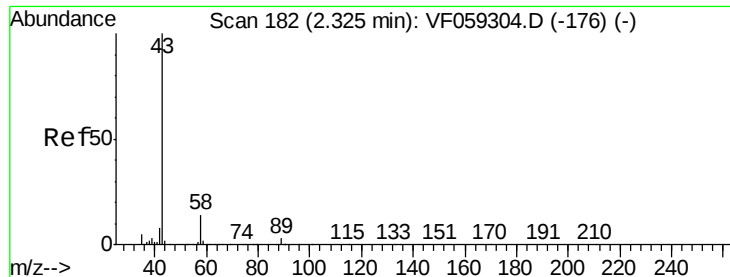
Tot Ion: 56 Resp: 606
Ion Ratio Lower Upper
56 100
55 89.5 62.4 93.6



#15
Acrylonitrile
Concen: 1.754 ug/l
RT: 3.04 min Scan# 254
Delta R.T. -0.03 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

Tgt Ion: 53 Resp: 606
Ion Ratio Lower Upper
53 100
52 52.2 79.2 118.8#
51 89.0 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.47 min Scan# 196

Delta R.T. 0.14 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

MSVOA_F

ClientSampled :

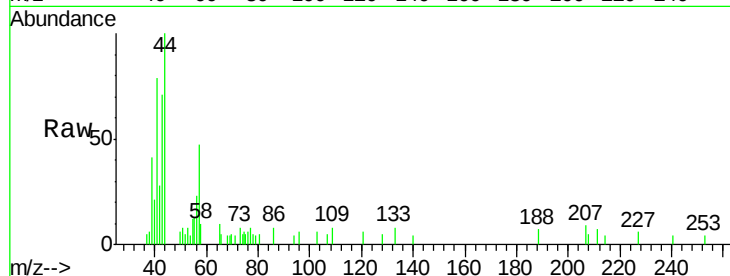
HC-SOIL-2

Tot Ion: 43 Resp: 2133

Ion Ratio Lower Upper

43 100

58 14.5 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.47

2000

1500

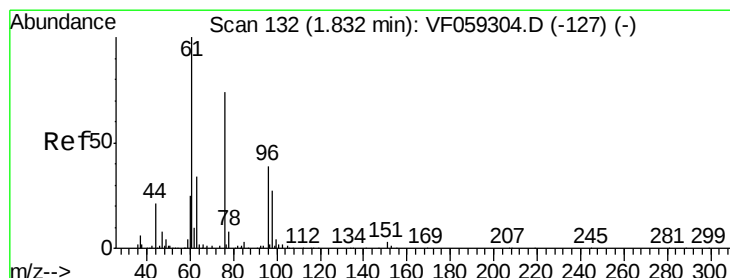
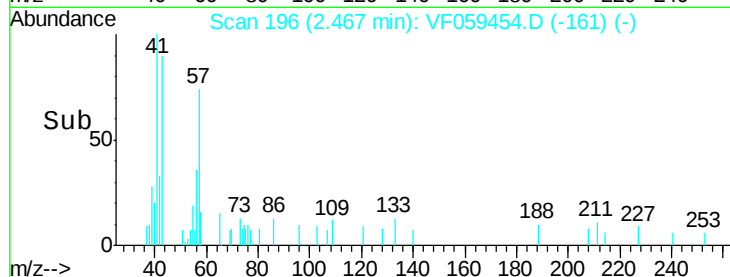
1000

500

0

2.42 2.44 2.46 2.48 2.50

Time-->



#17

Carbon Disulfide

Concen: 4.622 ug/l

RT: 1.86 min Scan# 134

Delta R.T. 0.02 min

Lab File: VF059454.D

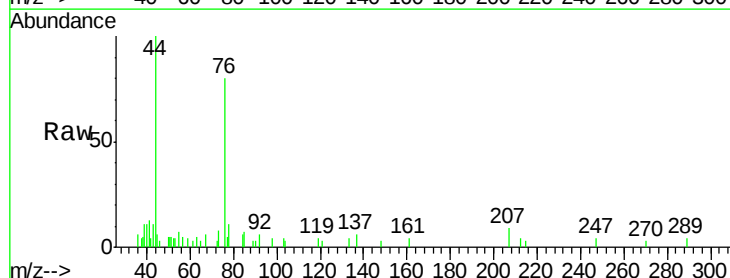
Acq: 6 Jul 2018 17:23

Tgt Ion: 76 Resp: 14625

Ion Ratio Lower Upper

76 100

78 13.7 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.86

3000

2500

2000

1500

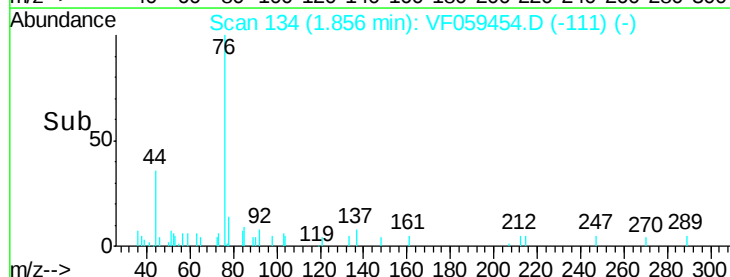
1000

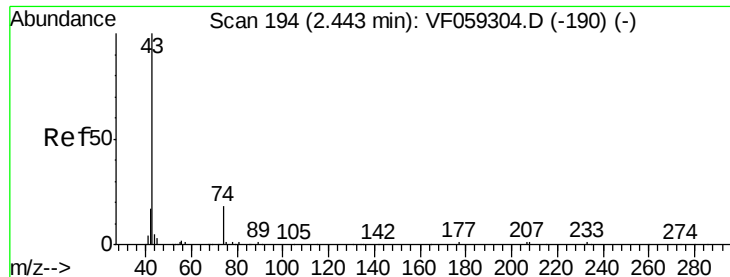
500

0

1.70 1.80 1.90 2.00

Time-->





#18

Methyl Acetate

Concen: 1.360 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.02 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

MSVOA_F

ClientSampled :

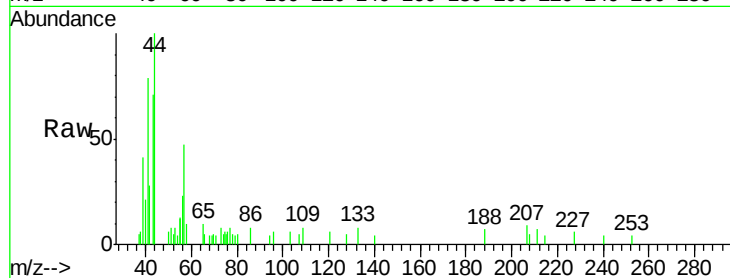
HC-SOIL-2

Tot Ion: 43 Resp: 3316

Ion Ratio Lower Upper

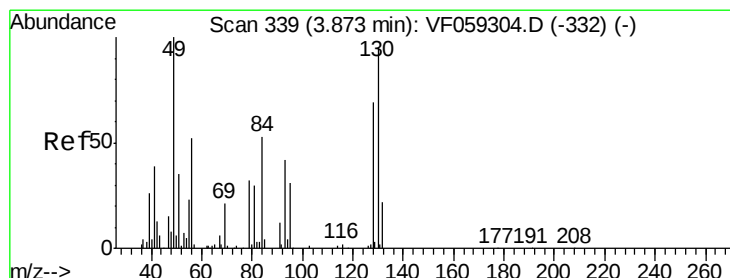
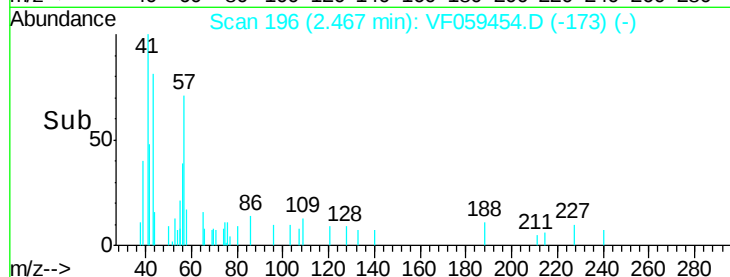
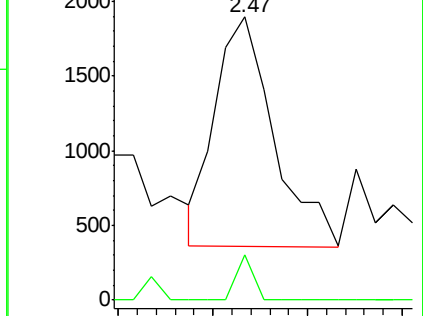
43 100

74 15.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.91 min Scan# 342

Delta R.T. 0.03 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

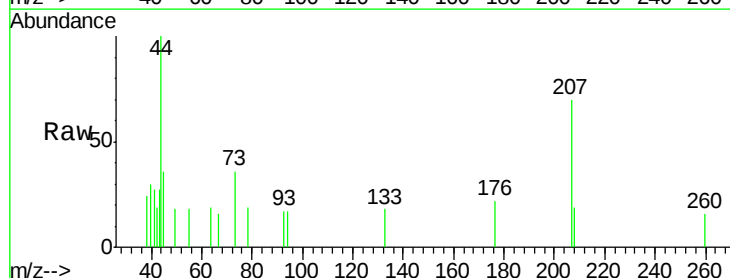
Tgt Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

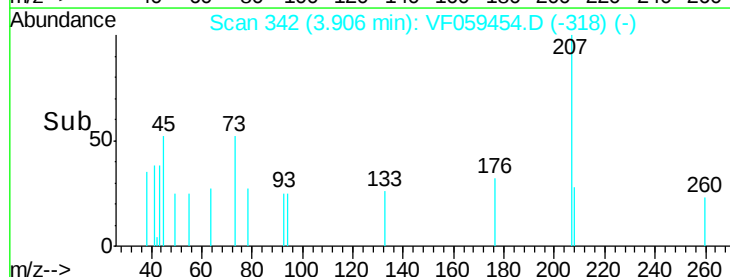
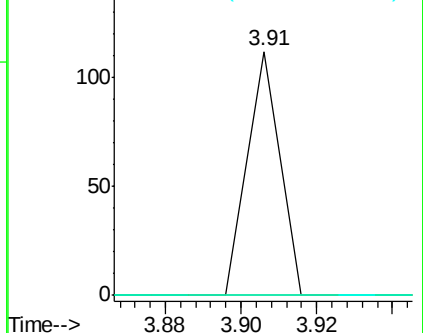
130 0.0 75.1 112.7#

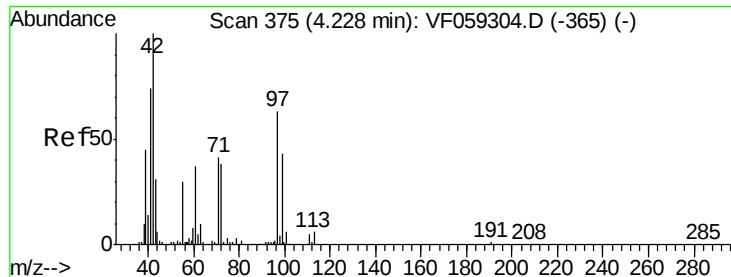


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

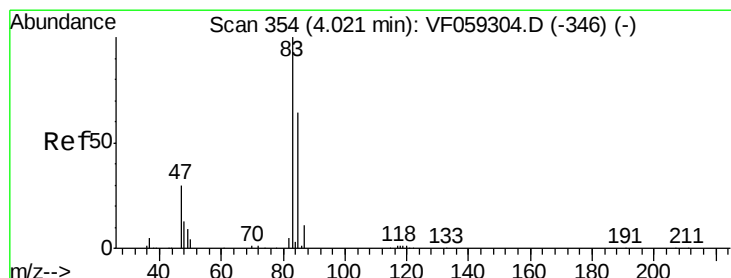
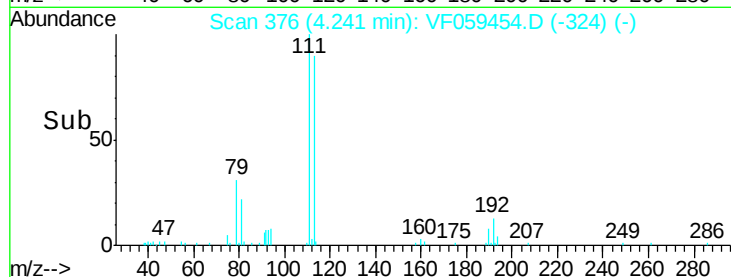
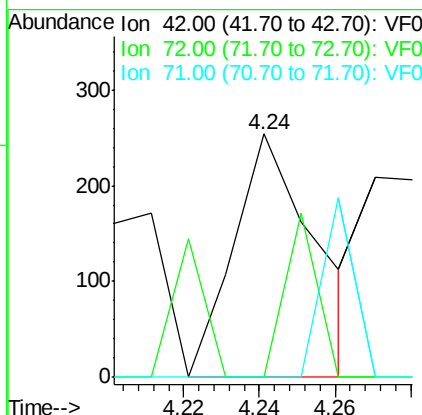
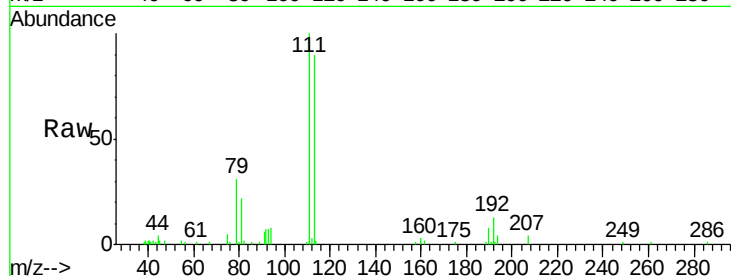




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

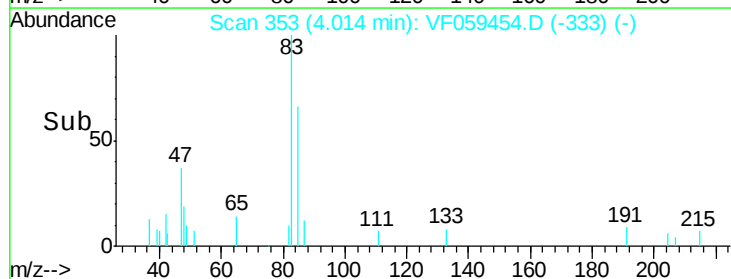
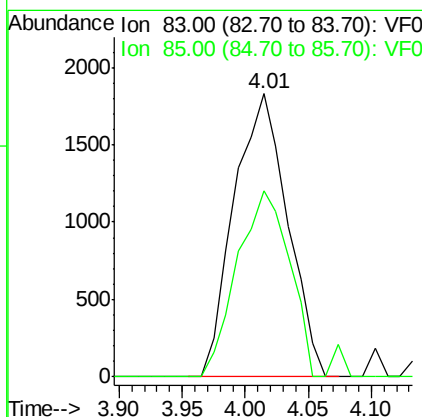
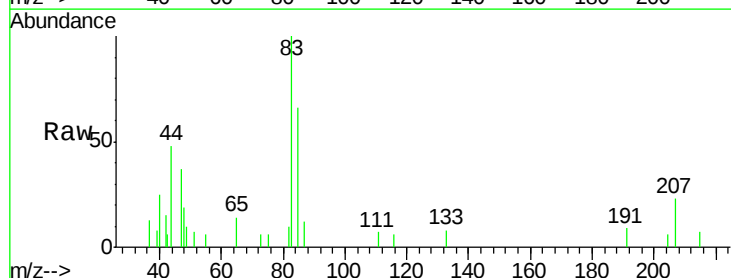
Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-2

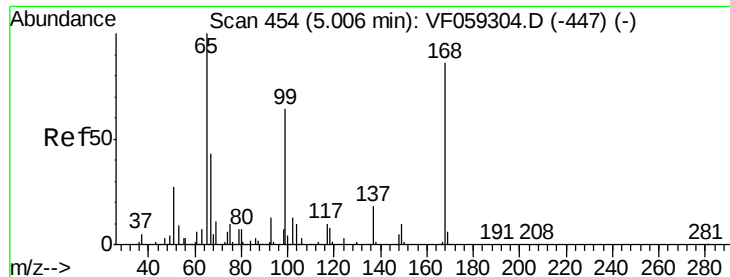
Tot Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 27.1 30.5 45.7#
71 0.0 32.5 48.7#



#30
Chloroform
Concen: 1.074 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

Tgt Ion: 83 Resp: 5388
Ion Ratio Lower Upper
83 100
85 65.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.429 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

MSVOA_F

ClientSampleId :

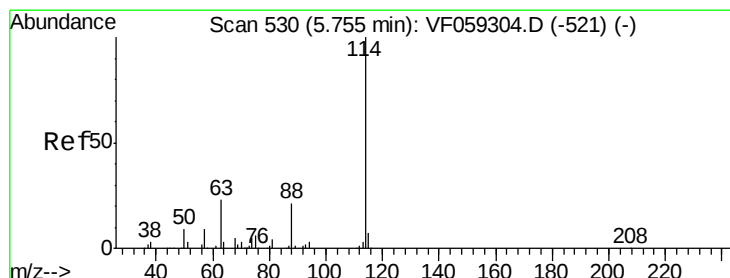
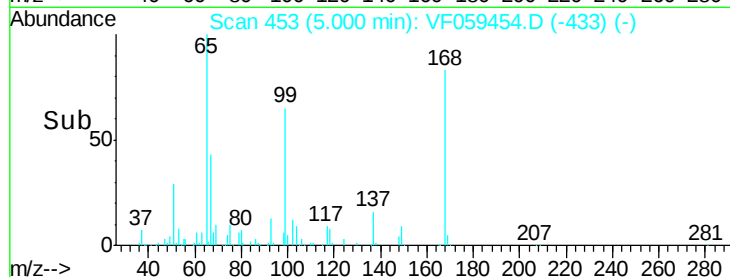
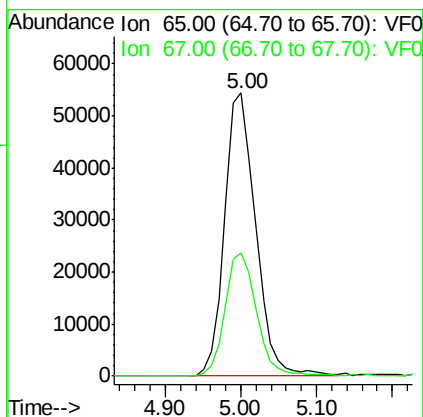
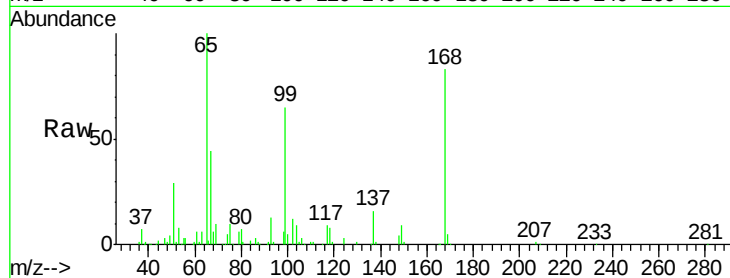
HC-SOIL-2

Tot Ion: 65 Resp: 154552

Ion Ratio Lower Upper

65 100

67 43.6 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.02 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

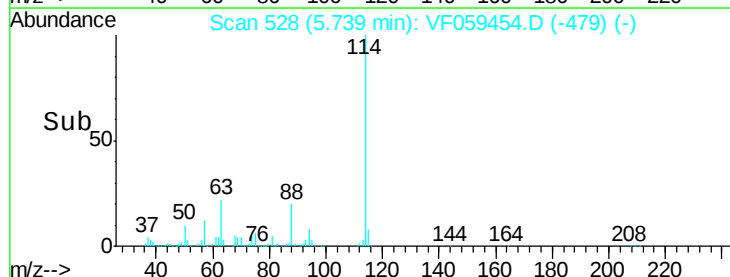
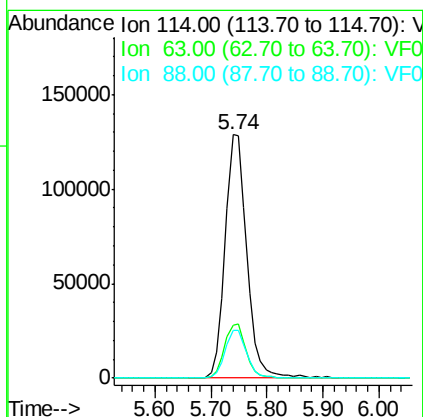
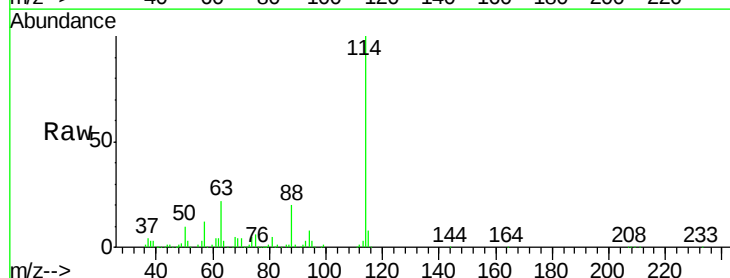
Tgt Ion: 114 Resp: 347525

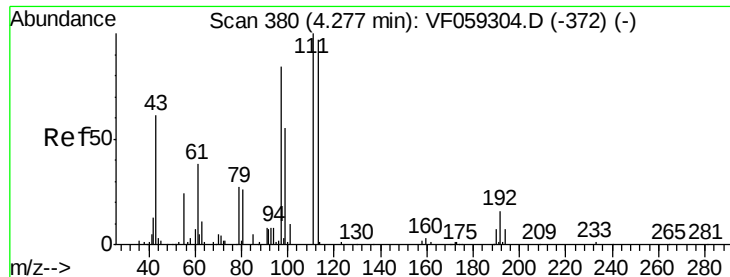
Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.8

88 19.8 0.0 41.2

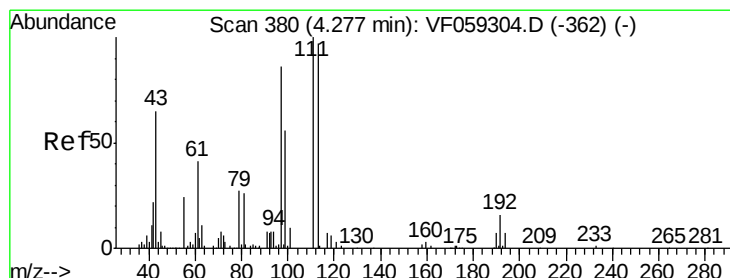
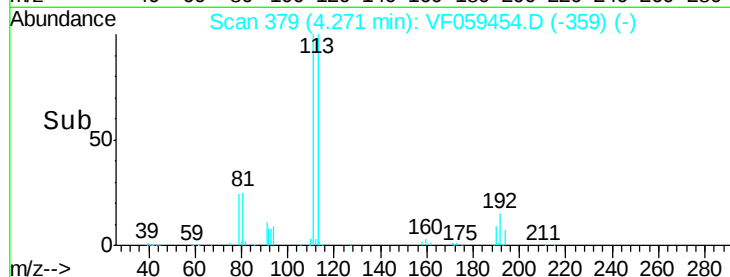
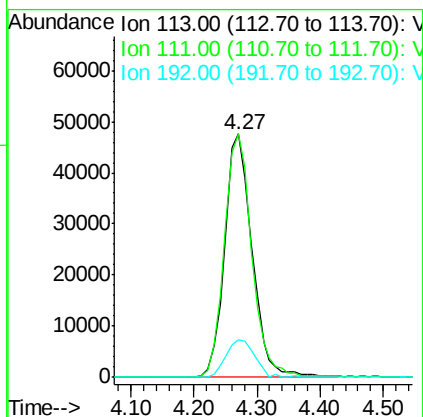
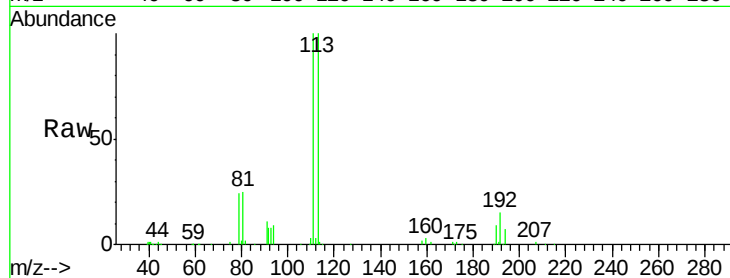




#35
Dibromofluoromethane
Concen: 56.318 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

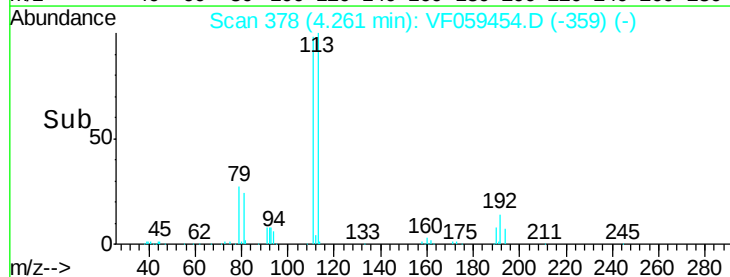
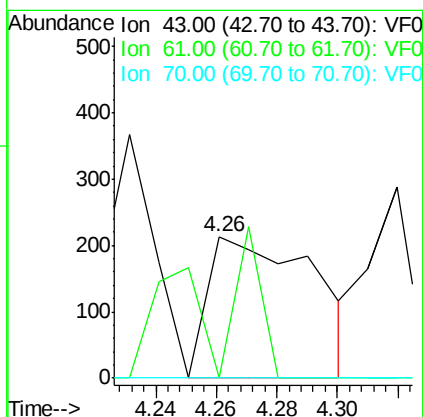
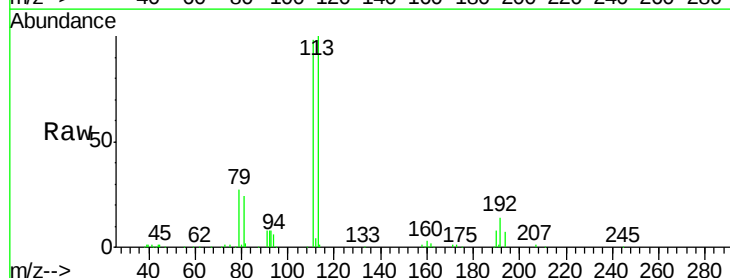
Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-2

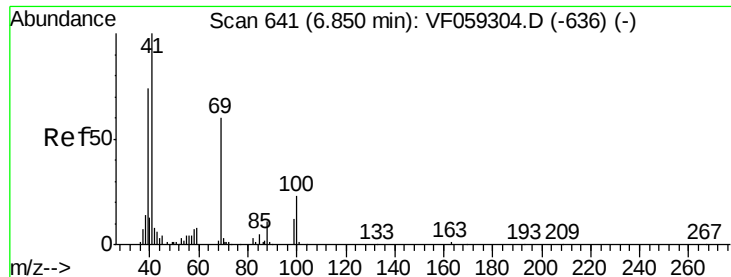
Tot Ion:113 Resp: 143005
Ion Ratio Lower Upper
113 100
111 100.1 82.1 123.1
192 15.7 13.0 19.6



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
61 0.0 50.1 75.1#
70 0.0 6.2 9.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.16 min Scan# 672

Delta R.T. 0.31 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

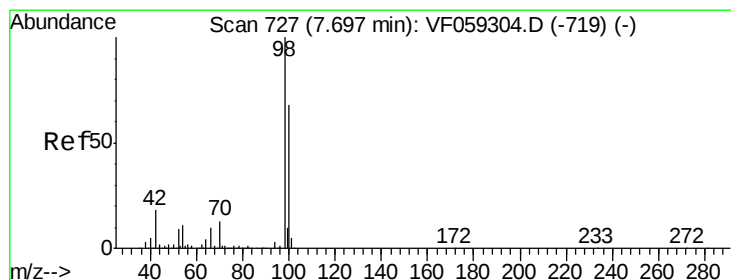
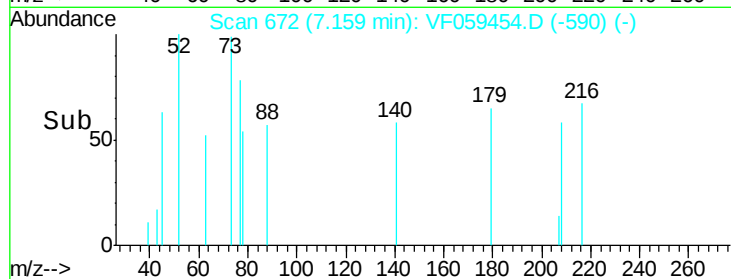
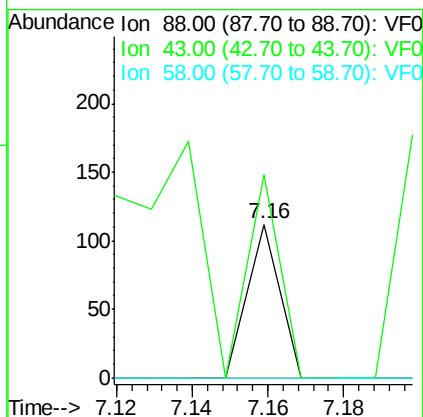
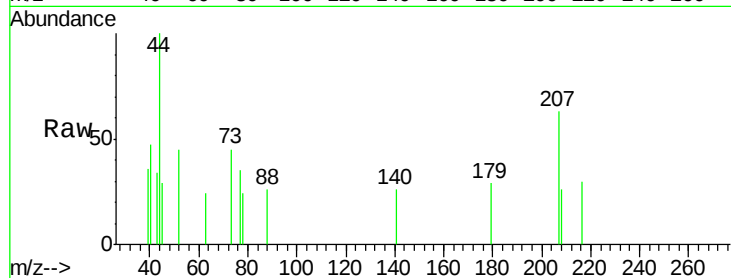
MSVOA_F

ClientSampleId :

HC-SOIL-2

Tot Ion: 88 Resp: 66

Ion	Ratio	Lower	Upper
88	100		
43	132.1	50.6	75.8#
58	0.0	46.6	69.8#



#50

Toluene-d8

Concen: 46.958 ug/l

RT: 7.69 min Scan# 726

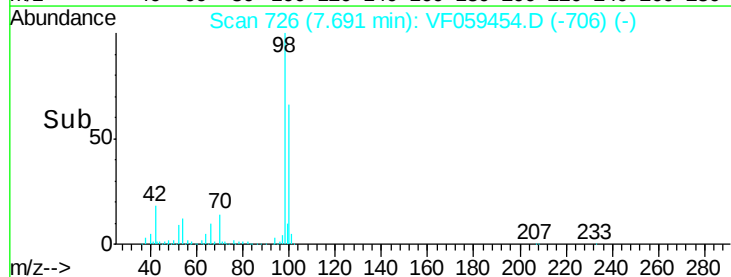
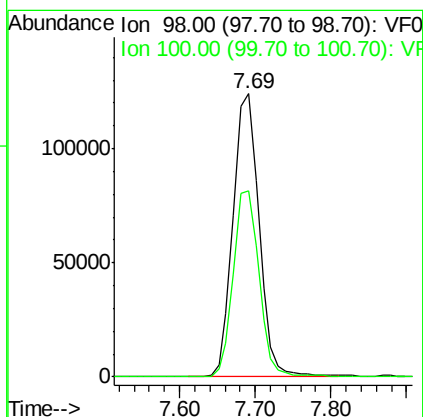
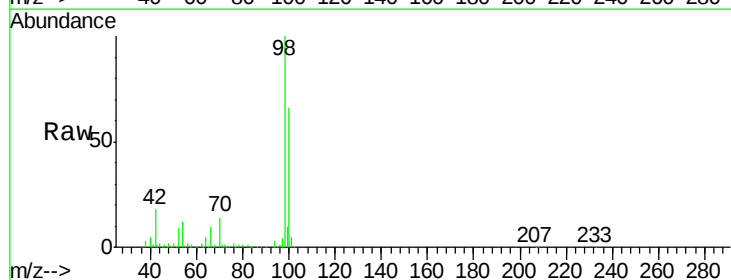
Delta R.T. -0.01 min

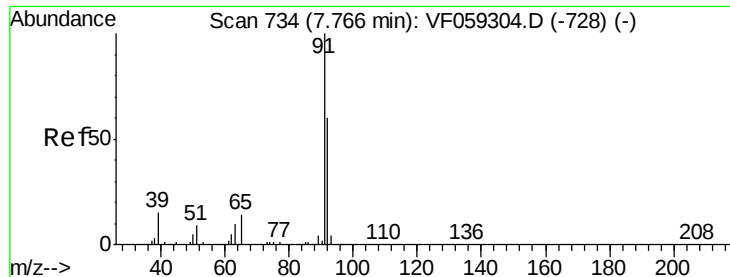
Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Tgt Ion: 98 Resp: 295223

Ion	Ratio	Lower	Upper
98	100		
100	65.9	54.6	82.0

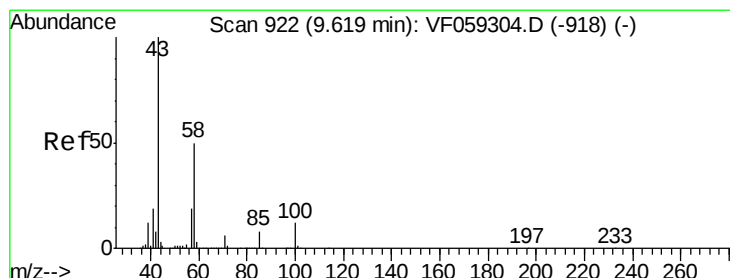
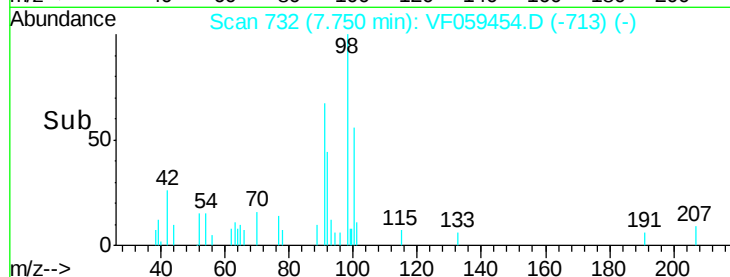
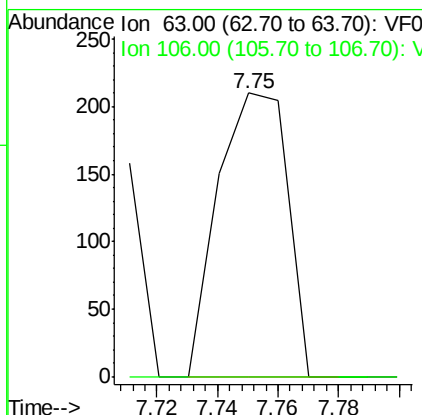
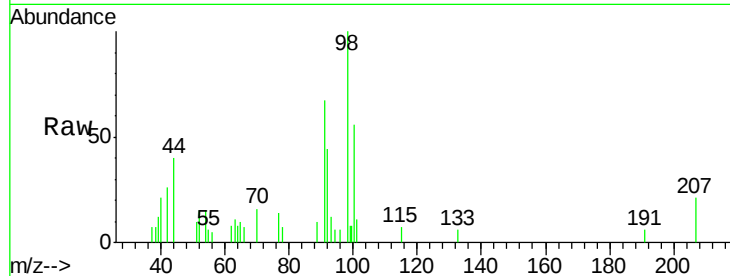




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.844 ug/l
 RT: 7.75 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VF059454.D
 Acq: 6 Jul 2018 17:23

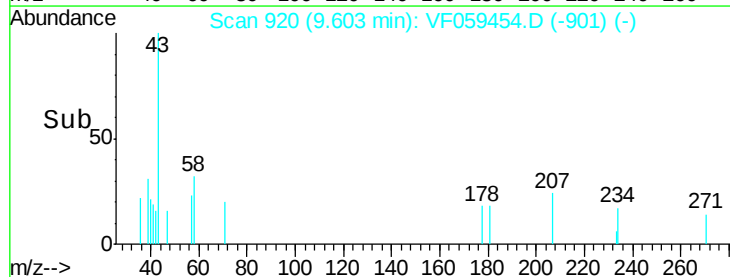
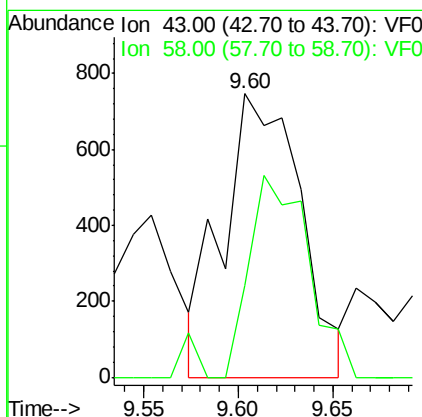
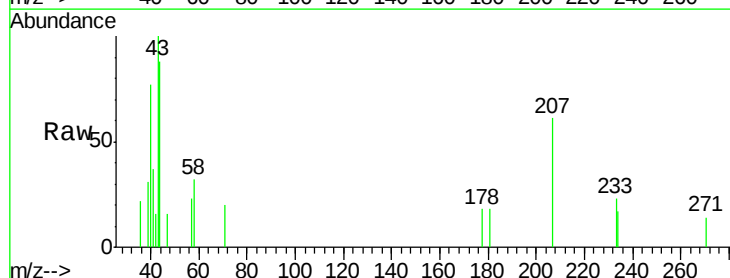
Instrument :
 MSVOA_F
 ClientSampleId :
 HC-SOIL-2

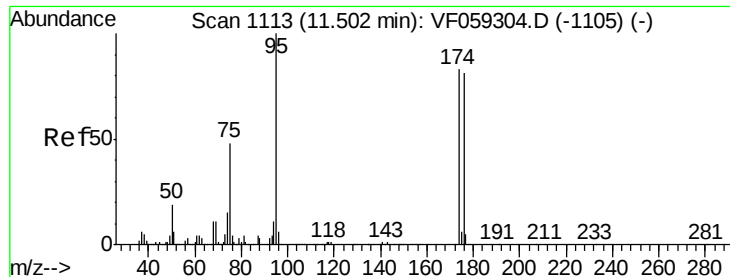
Tot Ion: 63 Resp: 335
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.60 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: VF059454.D
 Acq: 6 Jul 2018 17:23

Tgt Ion: 43 Resp: 2113
 Ion Ratio Lower Upper
 43 100
 58 32.3 23.3 69.9





#62

4-Bromofluorobenzene

Concen: 46.448 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

Instrument :

MSVOA_F

ClientSampled :

HC-SOIL-2

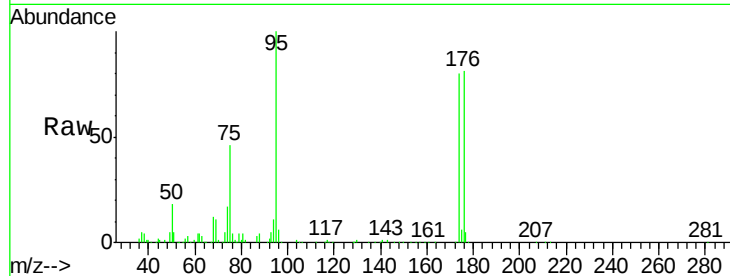
Tot Ion: 95 Resp: 164722

Ion Ratio Lower Upper

95 100

174 80.0 0.0 165.2

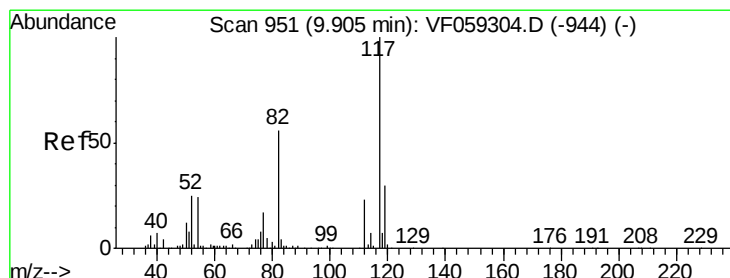
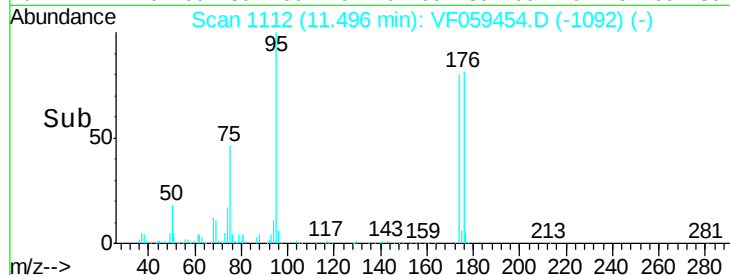
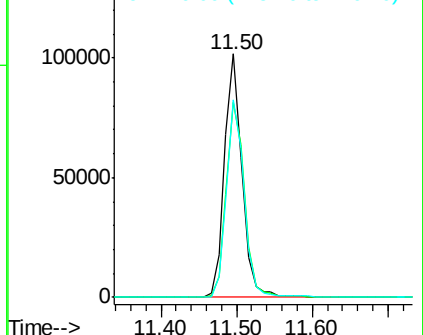
176 80.9 0.0 161.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF059454.D

Acq: 6 Jul 2018 17:23

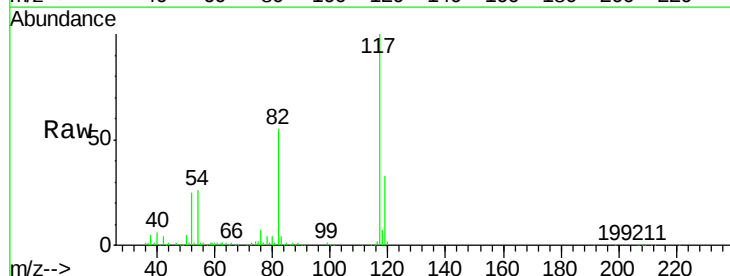
Tgt Ion: 117 Resp: 340986

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

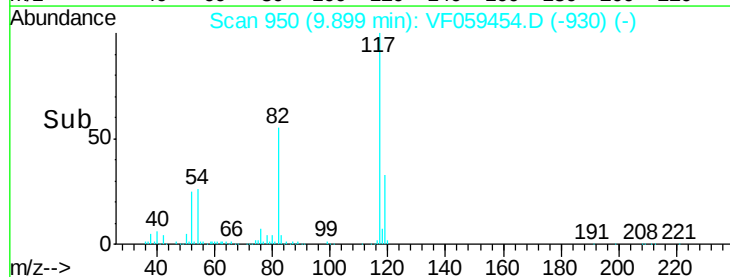
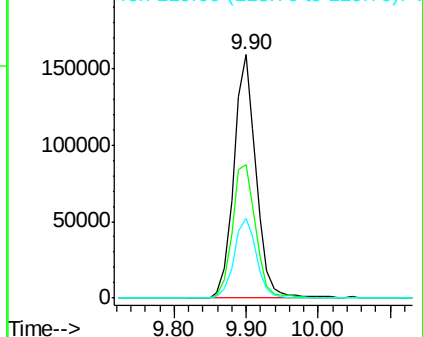
119 33.0 24.1 36.1

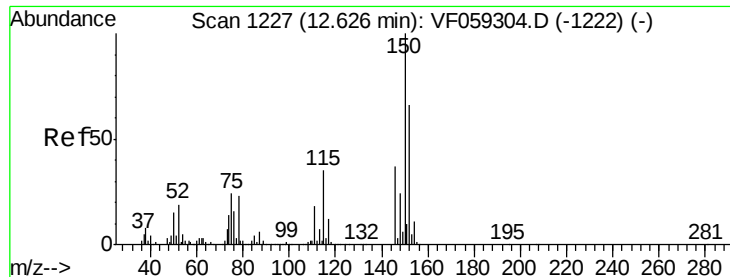


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



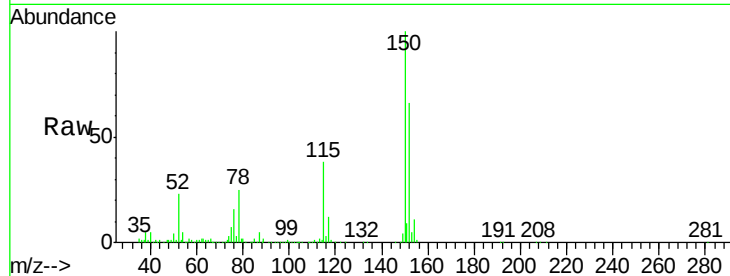


#72

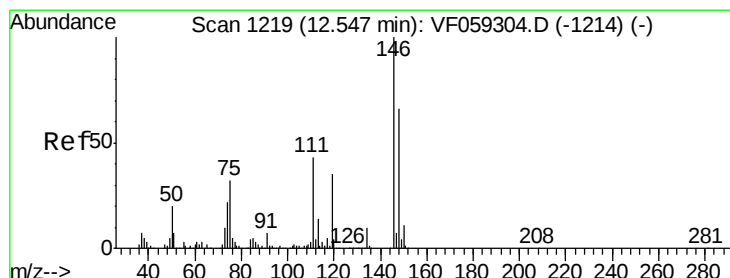
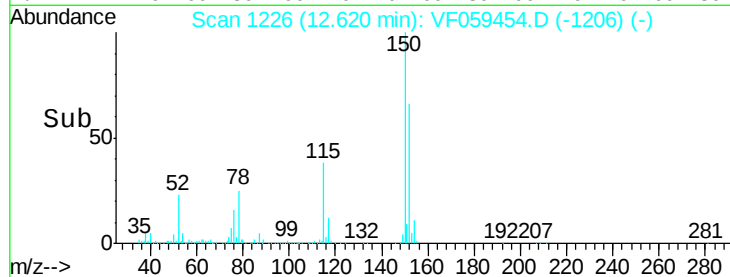
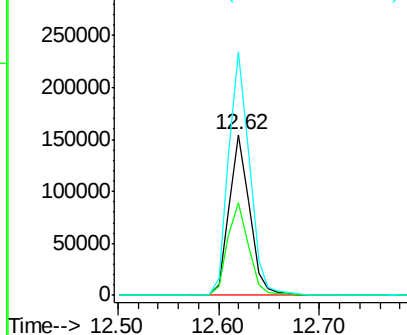
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

Instrument :
MSVOA_F
ClientSampleId :
HC-SOIL-2

Tot Ion:152 Resp: 218740
Ion Ratio Lower Upper
152 100
115 57.8 27.1 81.3
150 151.3 0.0 305.2



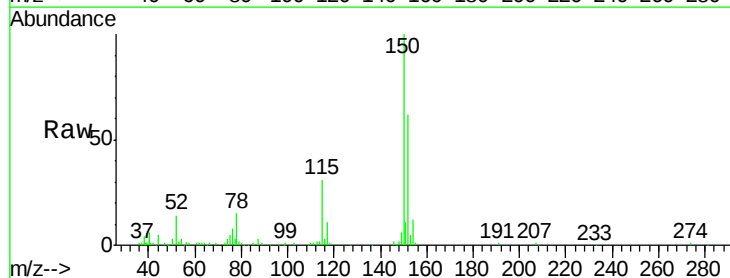
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#87

1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.64 min Scan# 1228
Delta R.T. 0.09 min
Lab File: VF059454.D
Acq: 6 Jul 2018 17:23

Tgt Ion:146 Resp: 1353
Ion Ratio Lower Upper
146 100
111 61.8 21.4 64.2
148 69.8 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

