

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060466.D
 Acq On : 5 Oct 2018 20:32
 Operator : VA/AP
 Sample : J5270-07RE
 Misc : 5.65/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-3-SOILRE

Quant Time: Oct 06 04:37:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

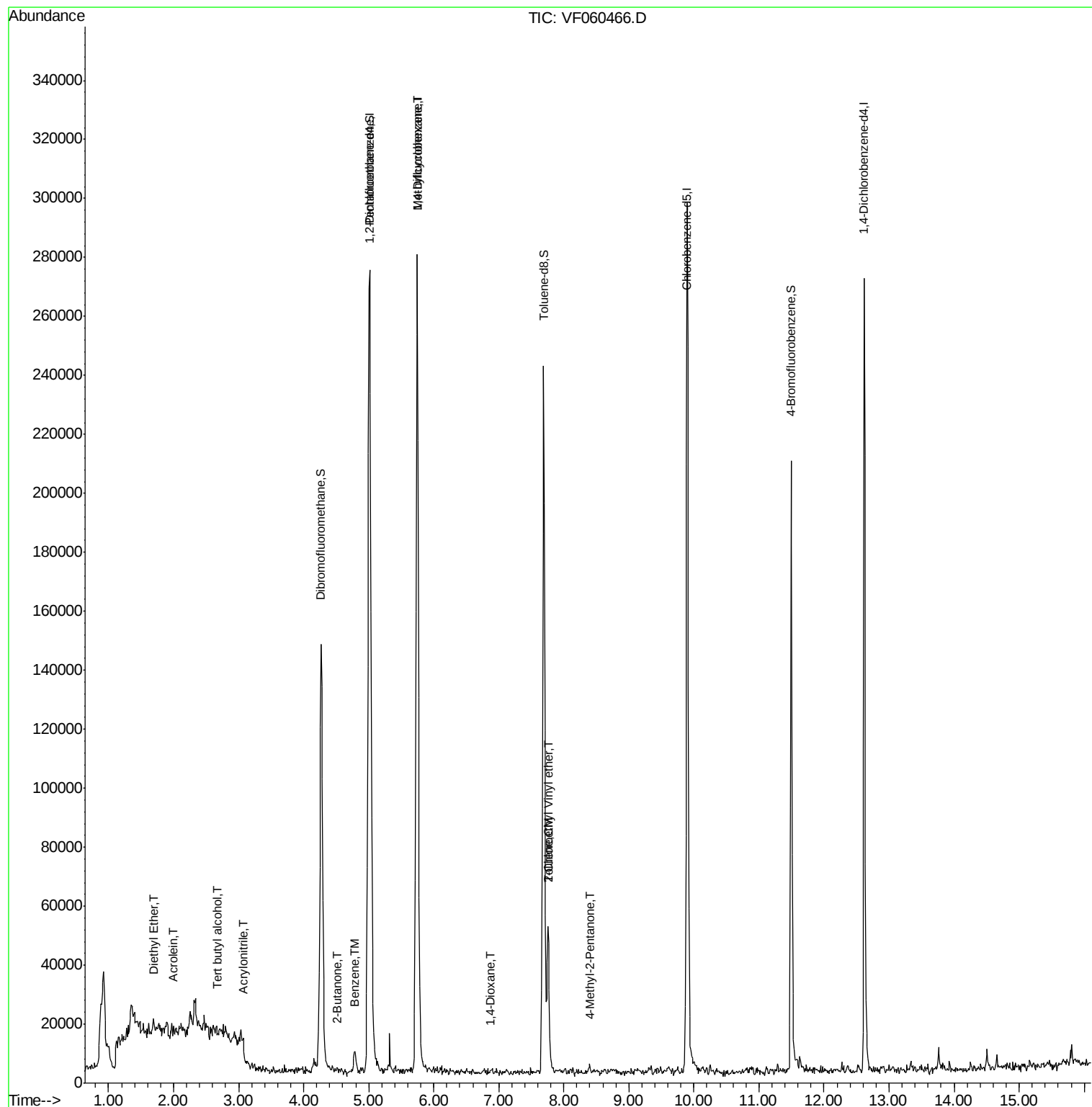
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	159714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	263697	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	182710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	61422	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	140696	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
35) Dibromofluoromethane	4.27	113	128751	51.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.94%	
50) Toluene-d8	7.69	98	189637	31.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.16%	
62) 4-Bromofluorobenzene	11.49	95	72827	26.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	167	Below Cal		77
8) Diethyl Ether	1.69	74	1693	2.360 ug/l		88
11) Tert butyl alcohol	2.68	59	703	4.650 ug/l #		1
13) Acrolein	2.01	56	853	7.017 ug/l		90
15) Acrylonitrile	3.07	53	1029	3.973 ug/l #		65
16) Acetone	2.32	43	8573	Below Cal		94
18) Methyl Acetate	2.41	43	1287	Below Cal		92
20) Methylene Chloride	2.28	84	2183	Below Cal #		79
25) 2-Butanone	4.50	43	2017	3.117 ug/l #		60
29) Tetrahydrofuran	4.24	42	987	Below Cal #		51
39) Methylcyclohexane	5.75	83	4357	1.367 ug/l #		36
40) Benzene	4.80	78	7376	1.143 ug/l #		80
49) 1,4-Dioxane	6.86	88	78	8.376 ug/l #		1
51) 4-Methyl-2-Pentanone	8.40	43	1466	1.369 ug/l #		58
52) Toluene	7.76	92	22984	5.243 ug/l		92
58) 2-Chloroethyl Vinyl ether	7.76	63	4998	30.988 ug/l		100

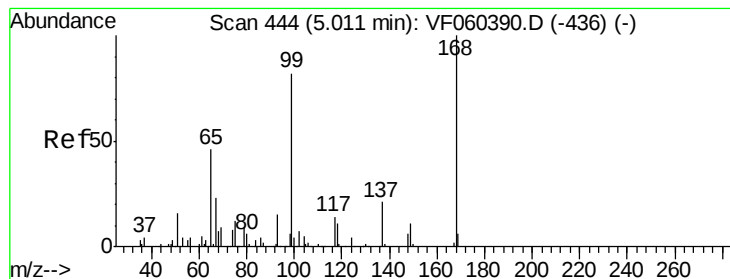
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

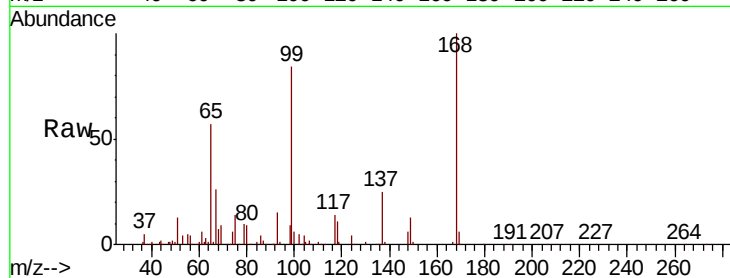
PHASE-3-SOILRE

Tot Ion:168 Resp: 159714

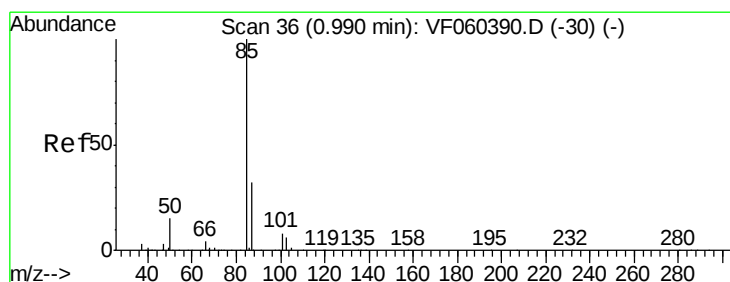
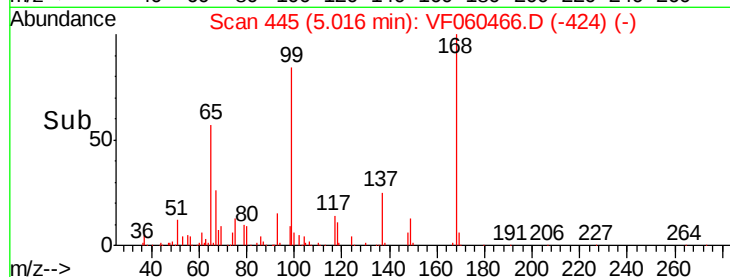
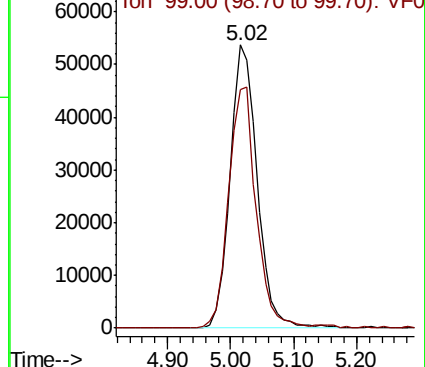
Ion Ratio Lower Upper

168 100

99 84.4 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060466.D

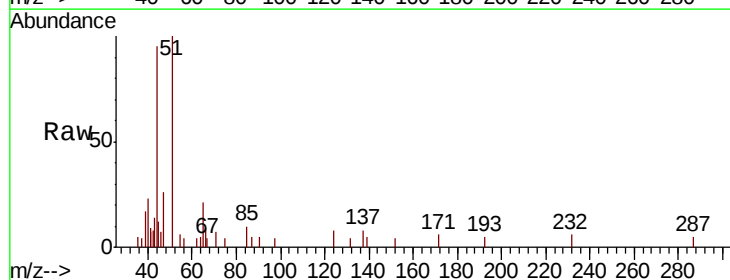
Acq: 5 Oct 2018 20:32

Tgt Ion: 85 Resp: 167

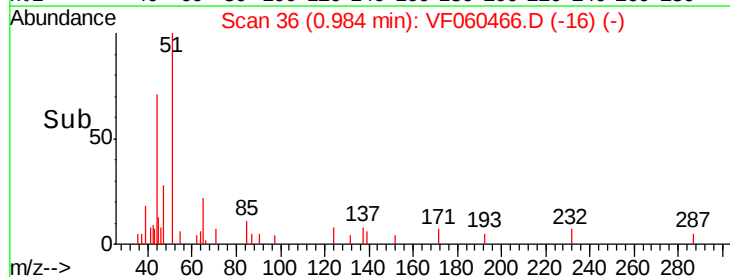
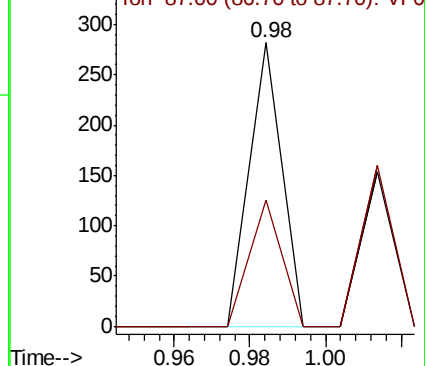
Ion Ratio Lower Upper

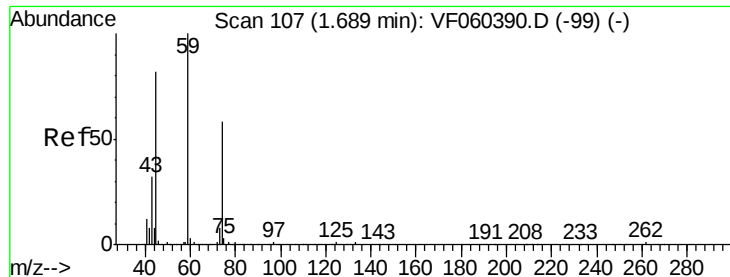
85 100

87 44.7 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

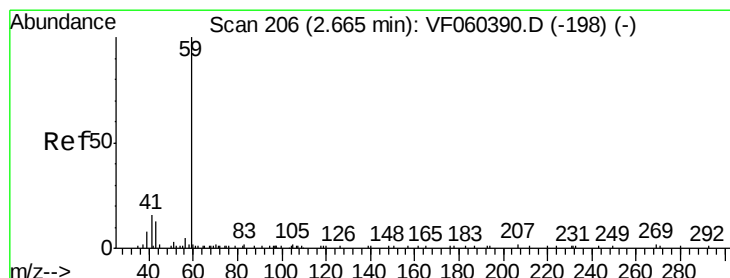
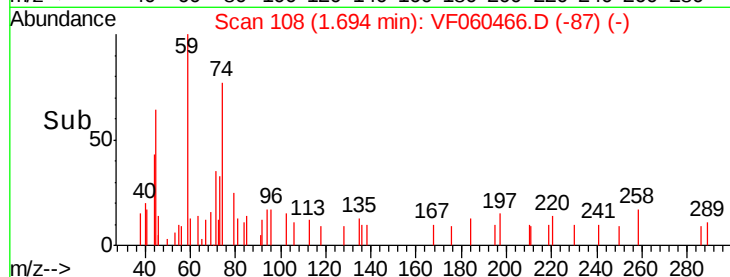
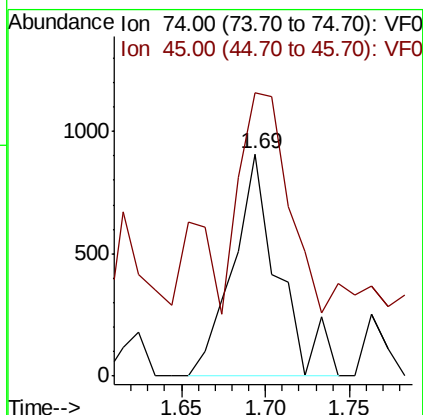
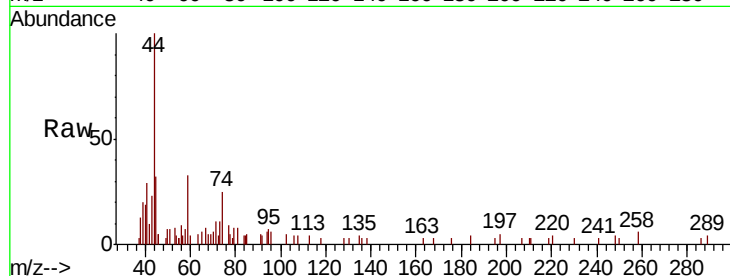




#8
Diethyl Ether
Concen: 2.360 ug/l
RT: 1.69 min Scan# 108
Delta R.T. 0.00 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

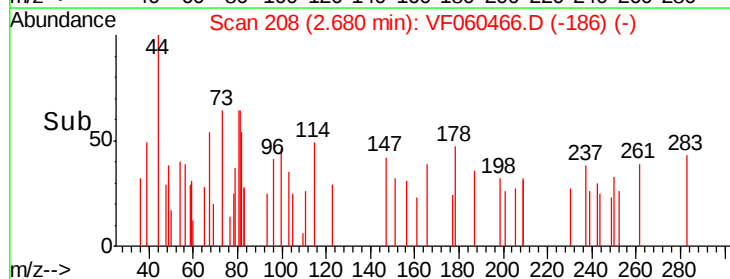
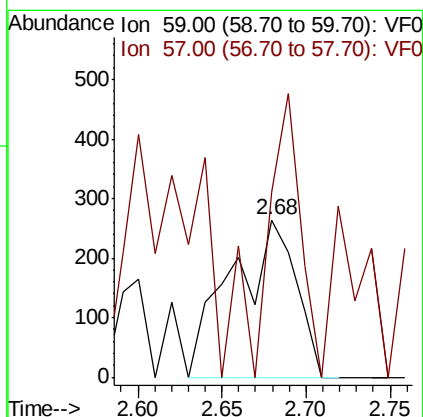
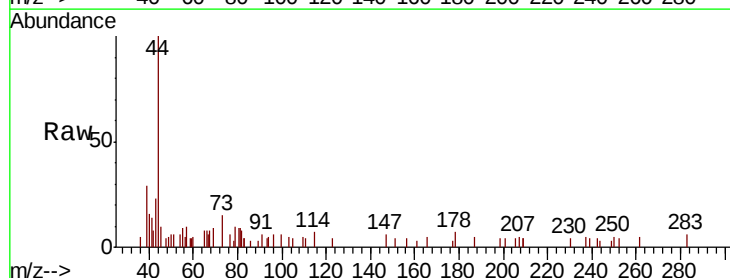
Instrument :
MSVOA_F
ClientSampleId :
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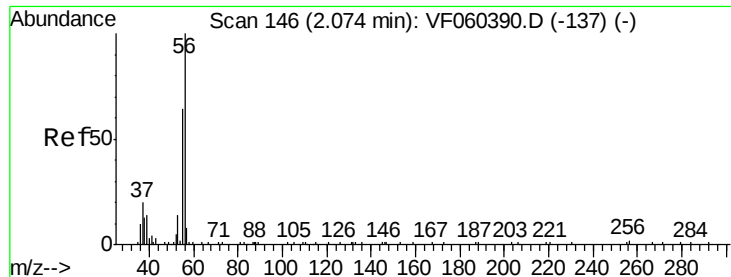
Tot Ion: 74 Resp: 1693
Ion Ratio Lower Upper
74 100
45 127.6 71.3 213.8



#11
Tert butyl alcohol
Concen: 4.650 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.01 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

Tgt Ion: 59 Resp: 703
Ion Ratio Lower Upper
59 100
57 117.8 6.5 9.7#





#13

Acrolein

Concen: 7.017 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.06 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

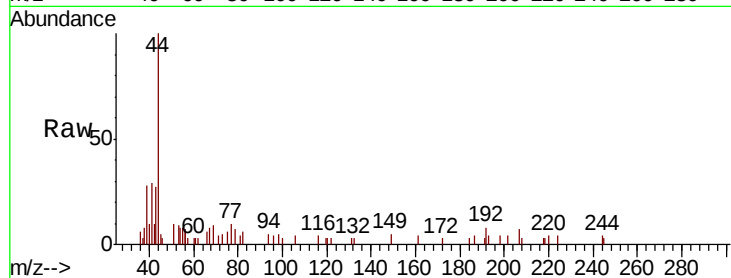
PHASE-3-SOILRE

Tot Ion: 56 Resp: 853

Ion Ratio Lower Upper

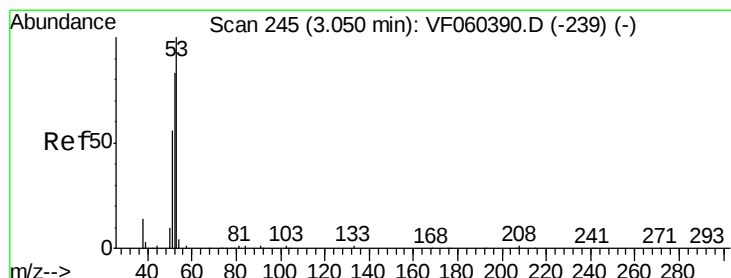
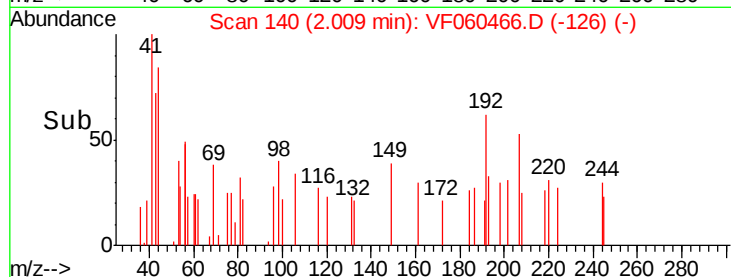
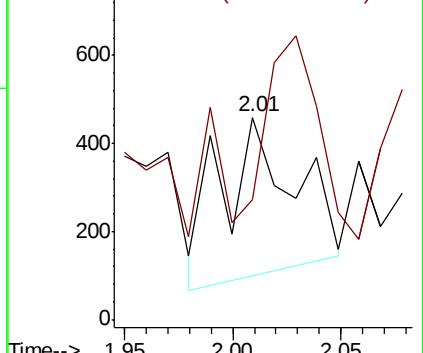
56 100

55 59.3 53.9 80.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 3.973 ug/l

RT: 3.07 min Scan# 248

Delta R.T. 0.02 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

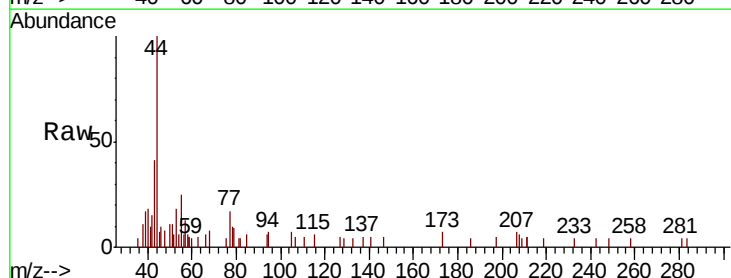
Tgt Ion: 53 Resp: 1029

Ion Ratio Lower Upper

53 100

52 32.9 66.0 99.0#

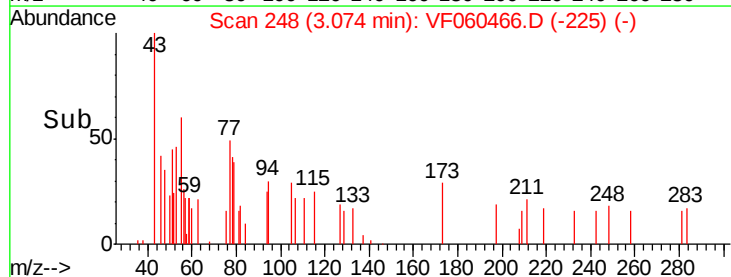
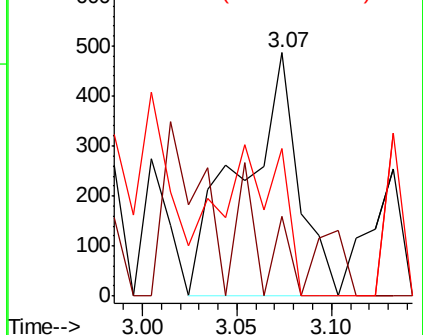
51 60.4 45.6 68.4

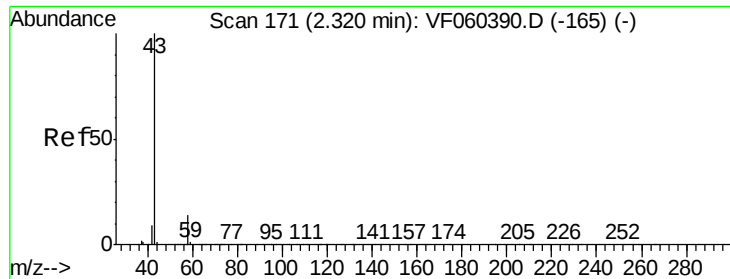


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

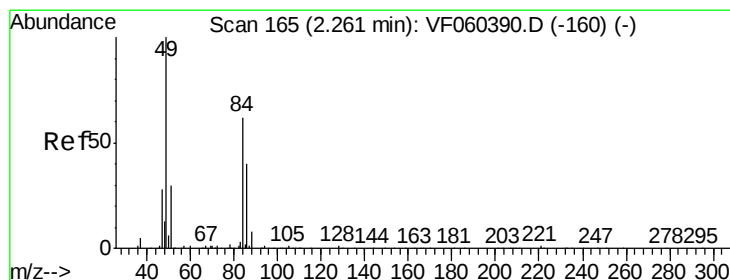
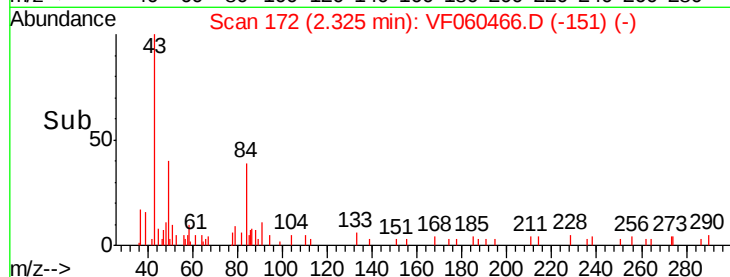
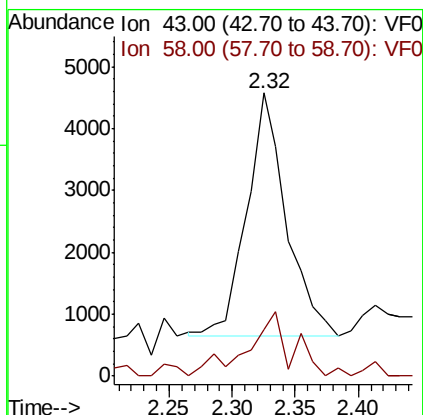
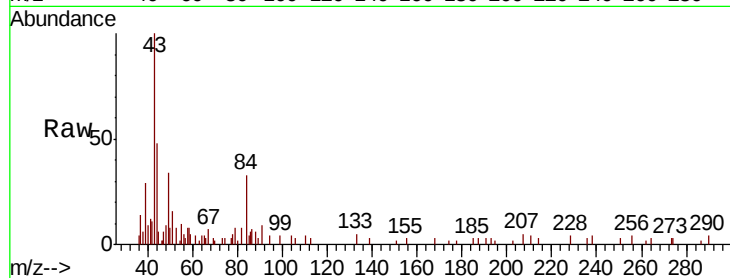




#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 172
Delta R.T. 0.00 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

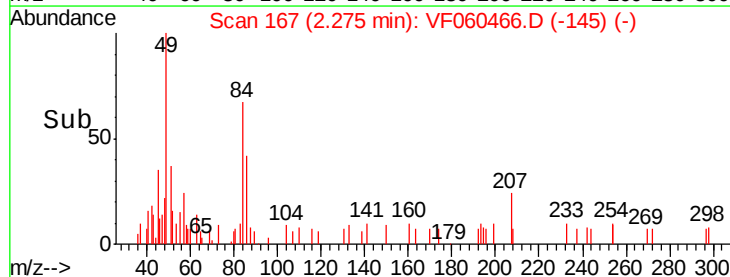
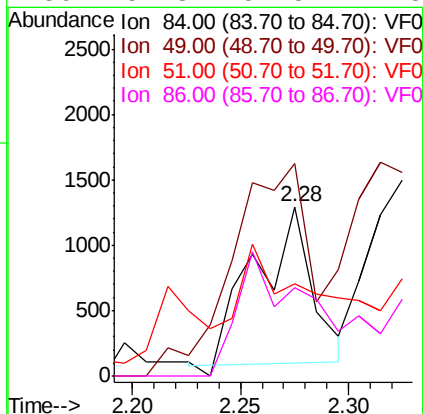
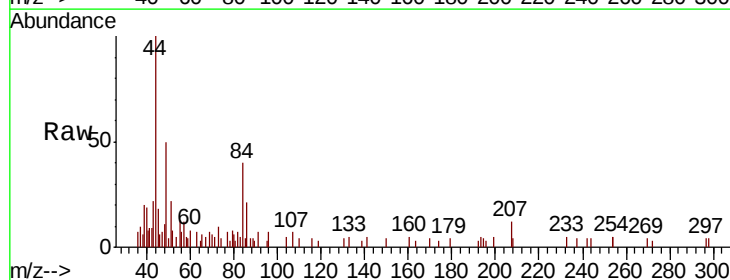
Instrument :
MSVOA_F
ClientSampleId :
PHASE-3-SOILRE

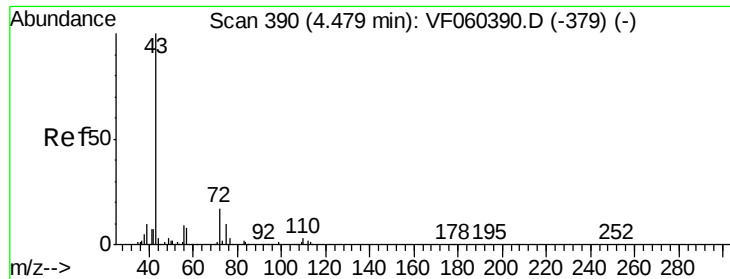
Tot Ion: 43 Resp: 8573
Ion Ratio Lower Upper
43 100
58 16.4 11.2 16.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.01 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

Tgt Ion: 84 Resp: 2183
Ion Ratio Lower Upper
84 100
49 125.2 130.2 195.2#
51 54.6 41.0 61.6
86 52.3 51.5 77.3





#25

2-Butanone

Concen: 3.117 ug/l

RT: 4.50 min Scan# 393

Delta R.T. 0.02 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

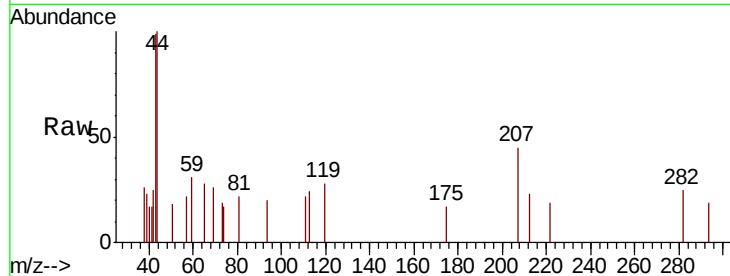
Instrument :
MSVOA_F
ClientSampleId :
PHASE-3-SOILRE

Tot Ion: 43 Resp: 2017

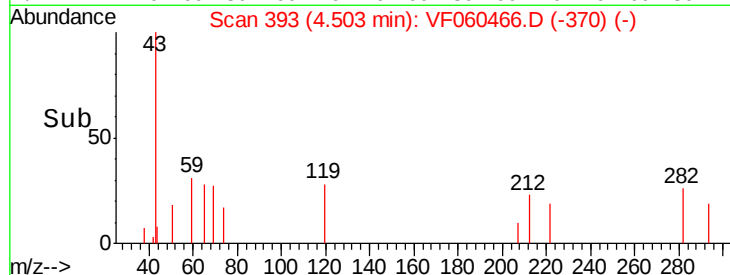
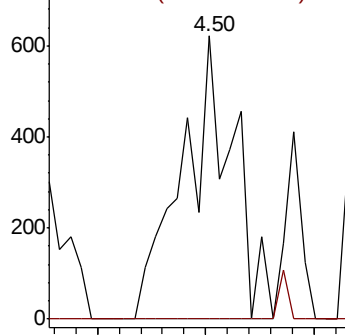
Ion Ratio Lower Upper

43 100

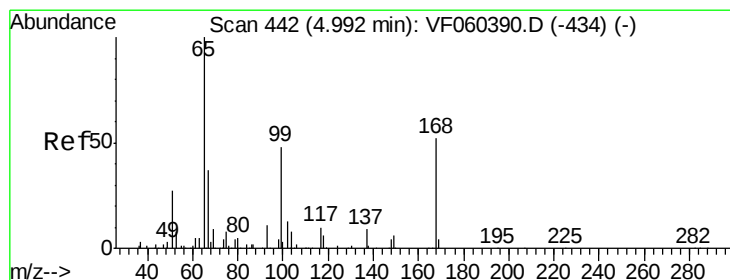
72 0.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.297 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060466.D

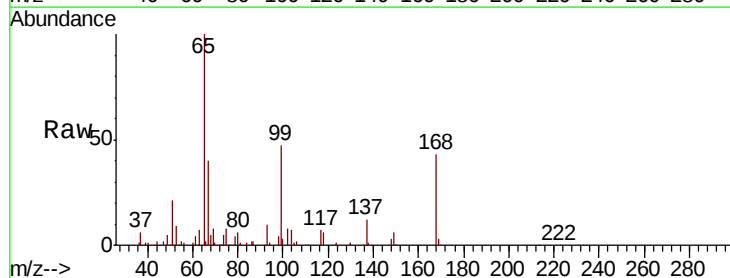
Acq: 5 Oct 2018 20:32

Tgt Ion: 65 Resp: 140696

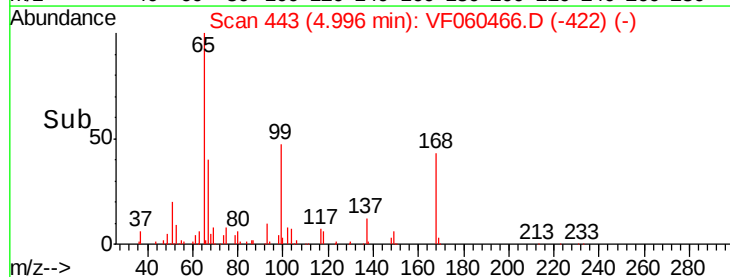
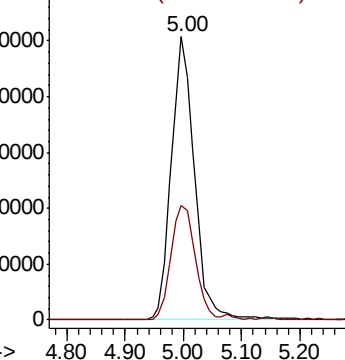
Ion Ratio Lower Upper

65 100

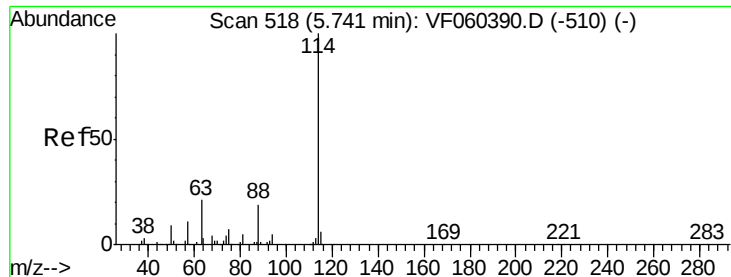
67 40.2 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

PHASE-3-SOILRE

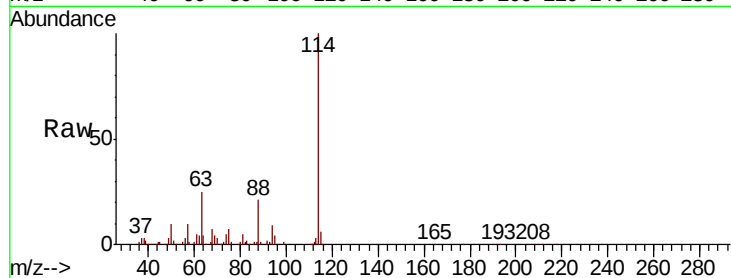
Tot Ion:114 Resp: 263697

Ion Ratio Lower Upper

114 100

63 25.2 0.0 42.2

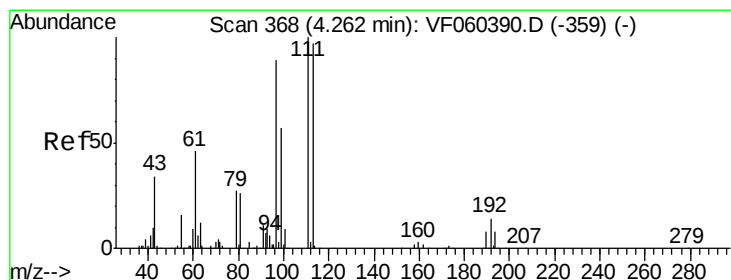
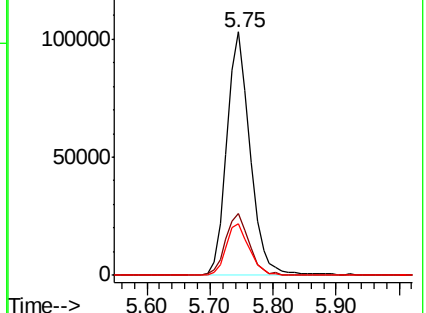
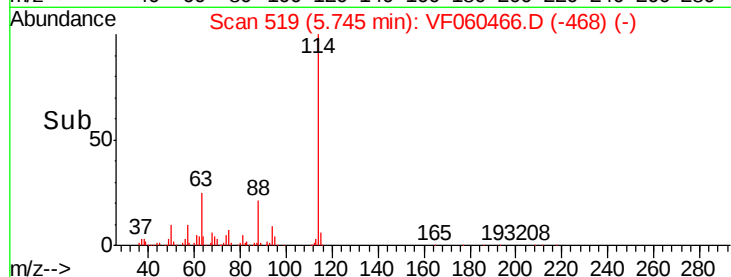
88 21.2 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 51.973 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

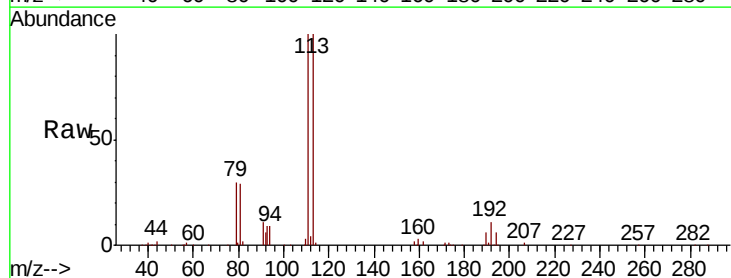
Tgt Ion:113 Resp: 128751

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

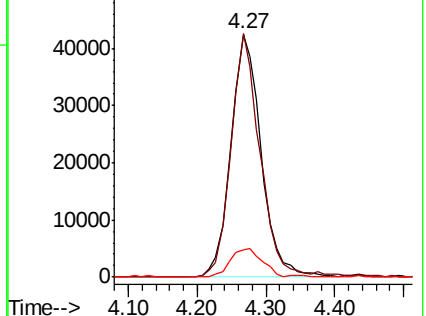
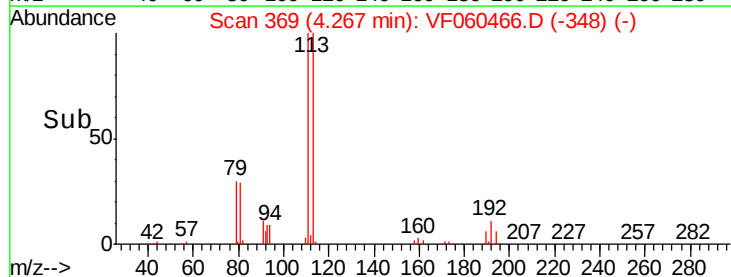
192 11.3 11.8 17.6#

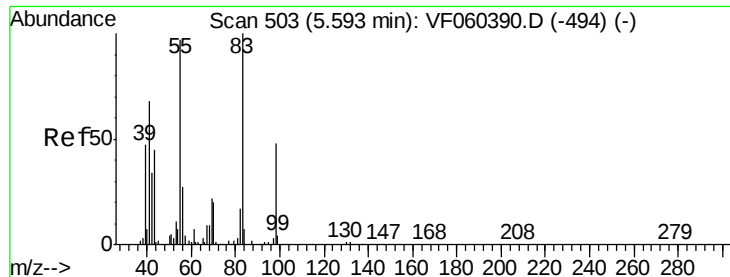


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

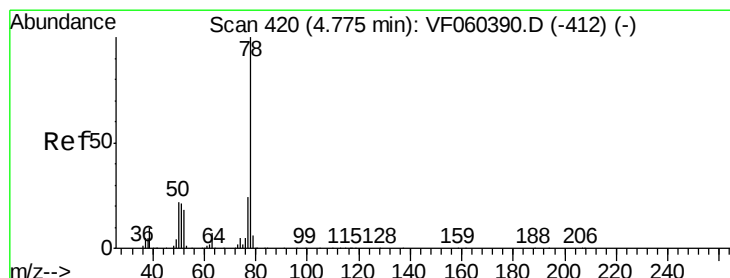
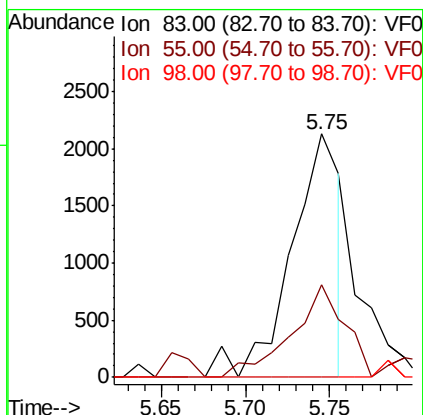
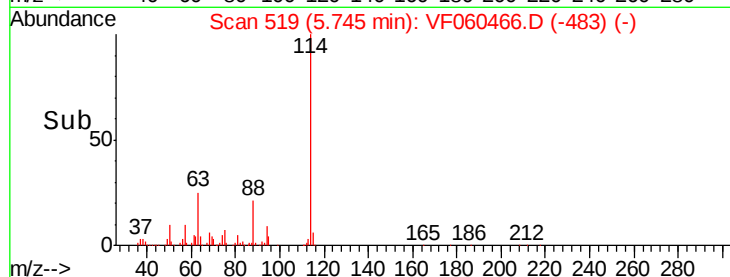
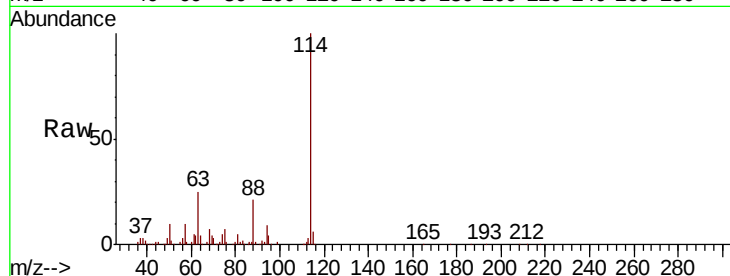




#39
Methvlcvclohexane
Concen: 1.367 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.15 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

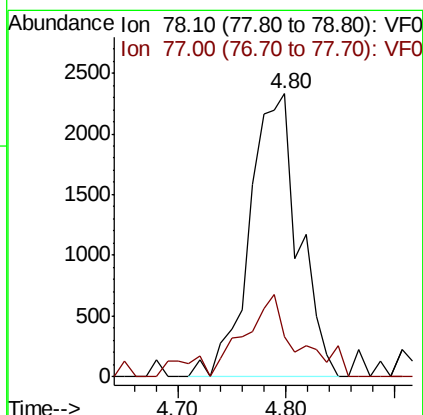
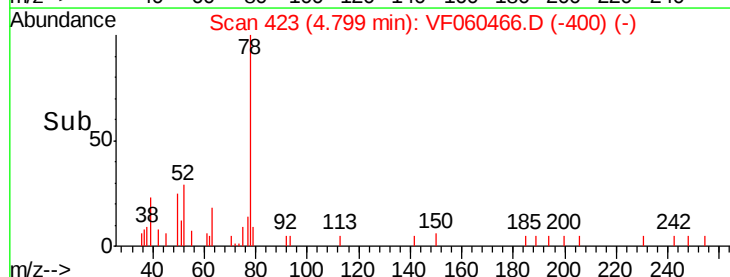
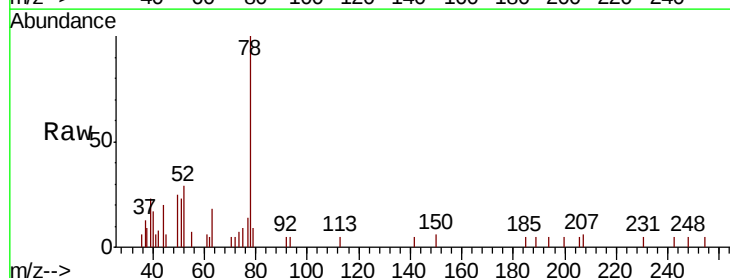
Instrument :
MSVOA_F
ClientSampleId :
PHASE-3-SOILRE

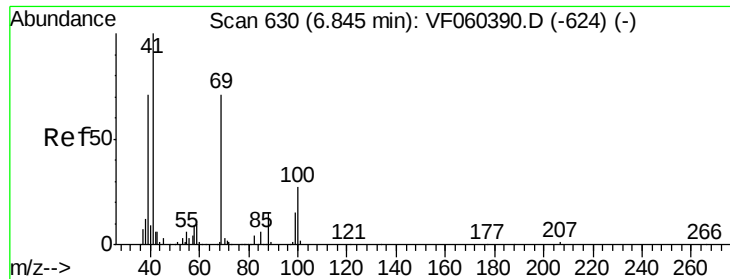
Tot Ion: 83 Resp: 4357
Ion Ratio Lower Upper
83 100
55 37.8 77.5 116.3#
98 0.0 38.7 58.1#



#40
Benzene
Concen: 1.143 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.02 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

Tgt Ion: 78 Resp: 7376
Ion Ratio Lower Upper
78 100
77 14.1 19.2 28.8#





#49

1,4-Dioxane

Concen: 8.376 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.01 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

PHASE-3-SOILRE

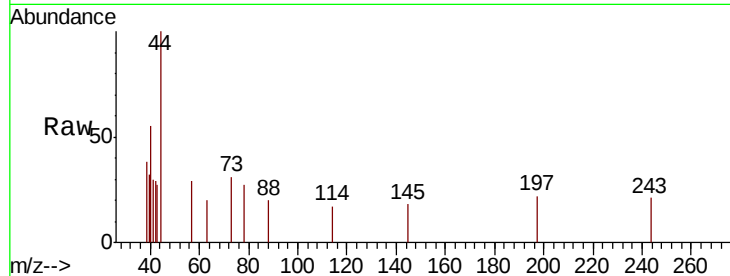
Tot Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 132.6 38.3 57.5#

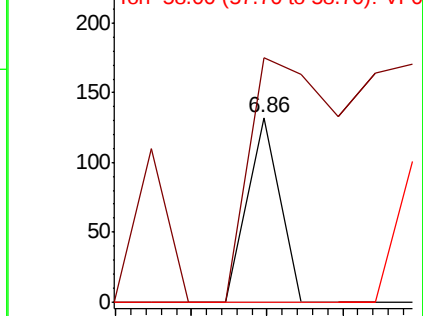
58 0.0 47.4 71.2#



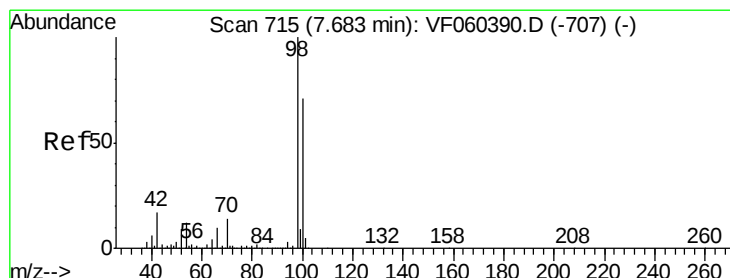
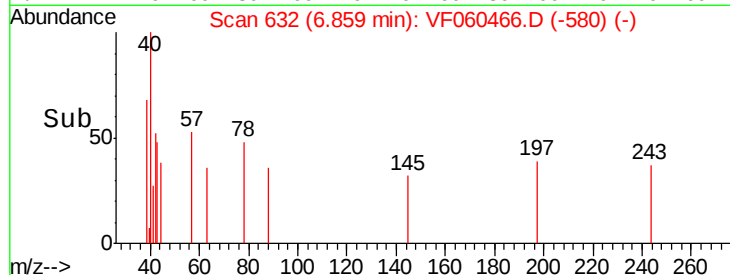
Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#50

Toluene-d8

Concen: 31.083 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060466.D

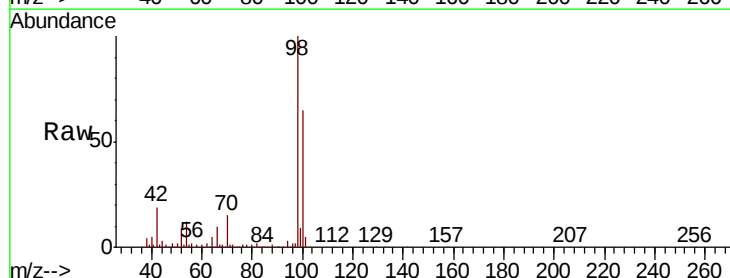
Acq: 5 Oct 2018 20:32

Tgt Ion: 98 Resp: 189637

Ion Ratio Lower Upper

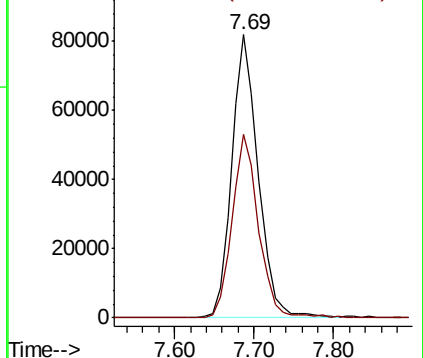
98 100

100 64.7 56.5 84.7

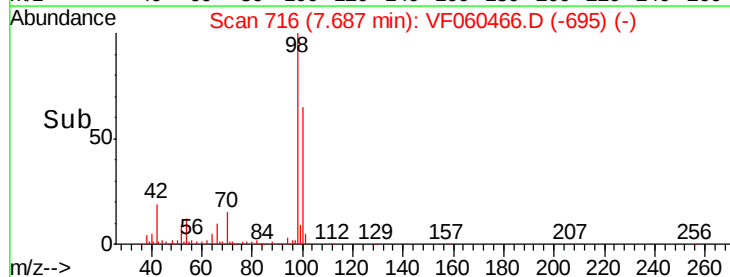


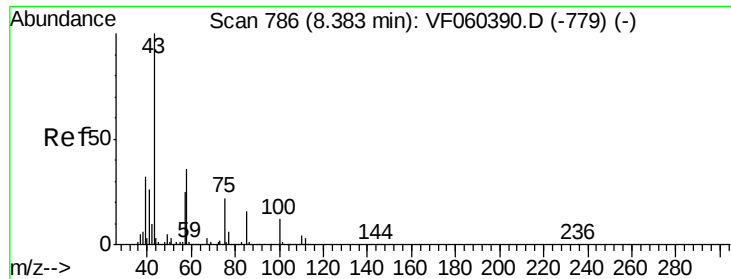
Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.369 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060466.D

Acq: 5 Oct 2018 20:32

Instrument :

MSVOA_F

ClientSampleId :

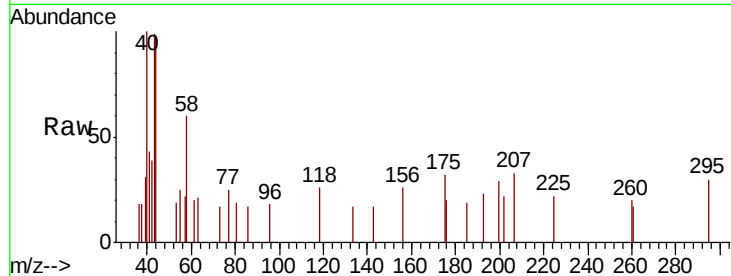
PHASE-3-SOILRE

Tot Ion: 43 Resp: 1466

Ion Ratio Lower Upper

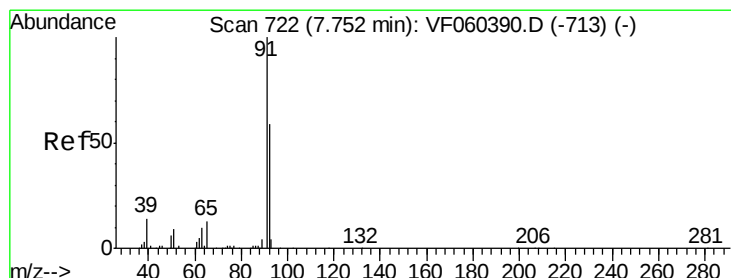
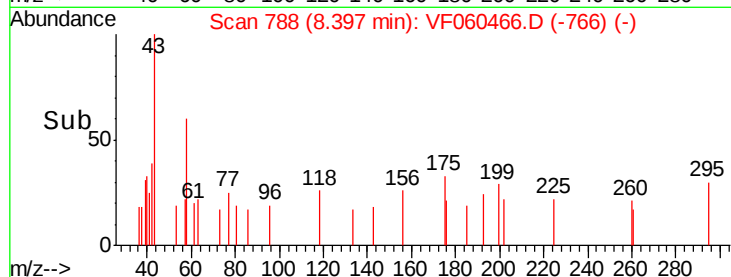
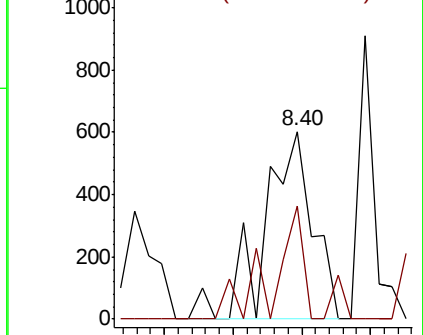
43 100

58 60.1 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.243 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060466.D

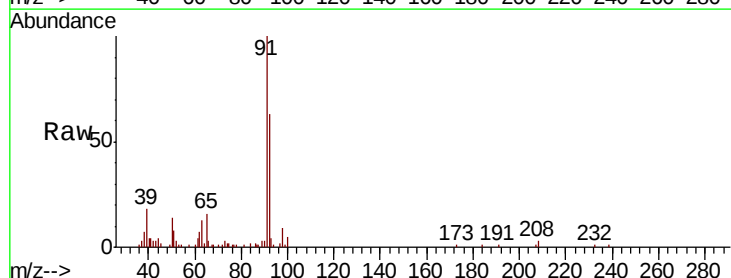
Acq: 5 Oct 2018 20:32

Tgt Ion: 92 Resp: 22984

Ion Ratio Lower Upper

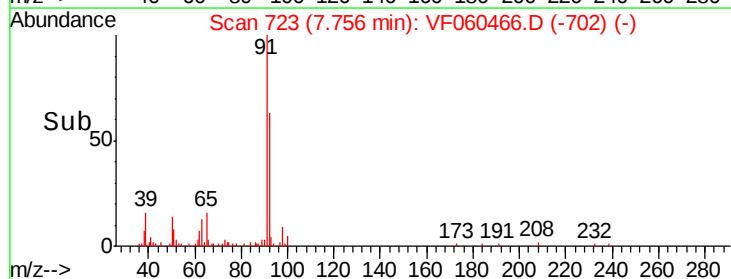
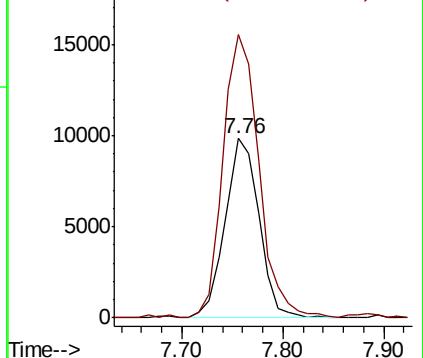
92 100

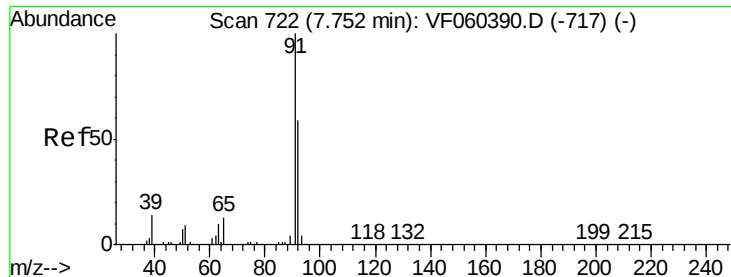
91 157.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

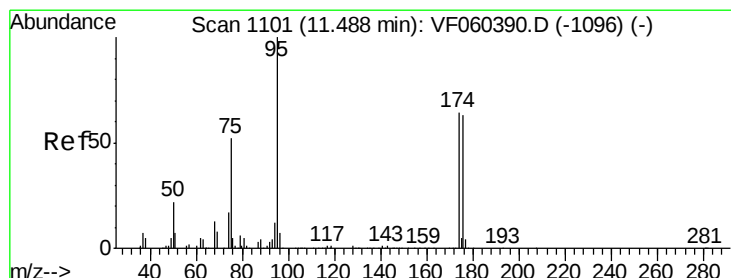
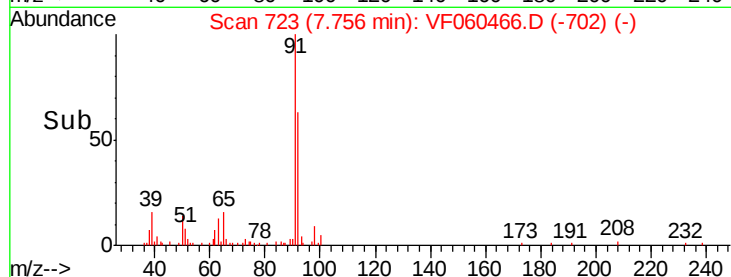
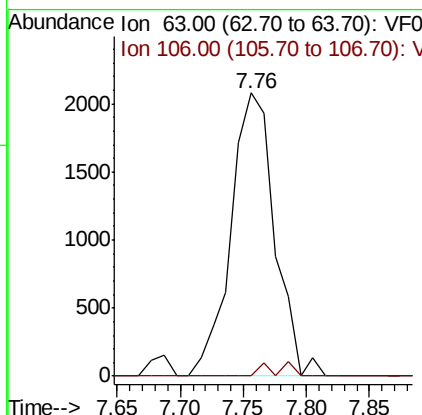
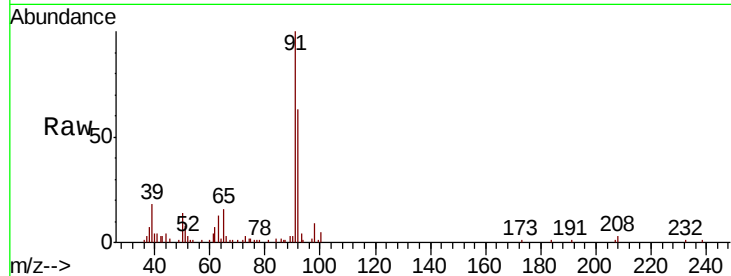




#58
 2-Chloroethyl Vinyl ether
 Concen: 30.988 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VF060466.D
 Acq: 5 Oct 2018 20:32

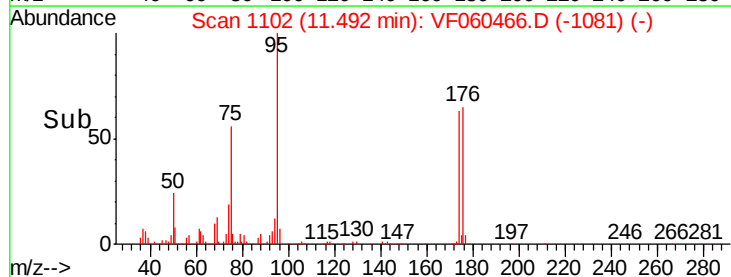
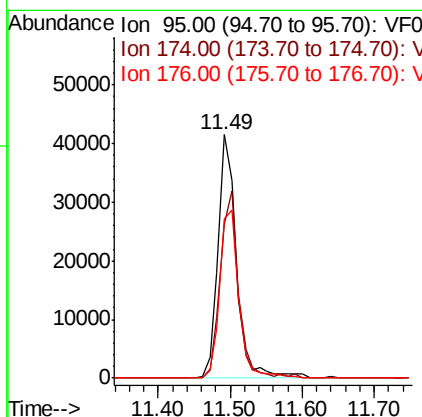
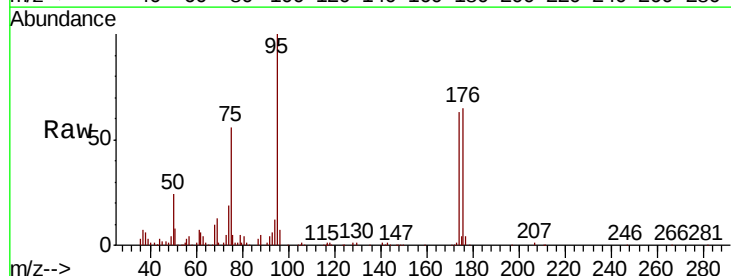
Instrument :
 MSVOA_F
 ClientSampleId :
 PHASE-3-SOILRE

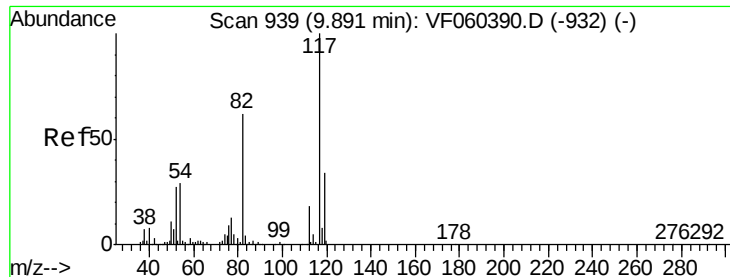
Tot Ion: 63 Resp: 4998
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 26.143 ug/l
 RT: 11.49 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VF060466.D
 Acq: 5 Oct 2018 20:32

Tgt Ion: 95 Resp: 72827
 Ion Ratio Lower Upper
 95 100
 174 63.4 0.0 129.0
 176 65.2 0.0 125.6

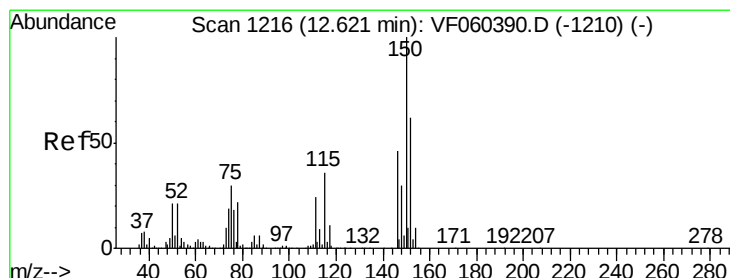
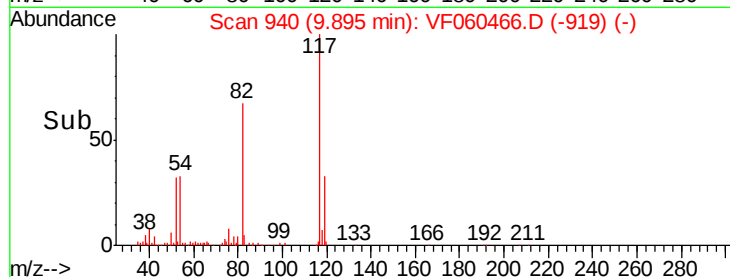
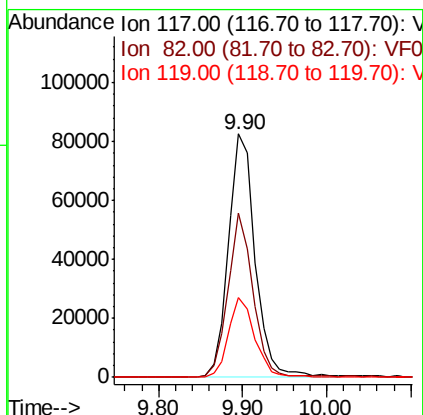
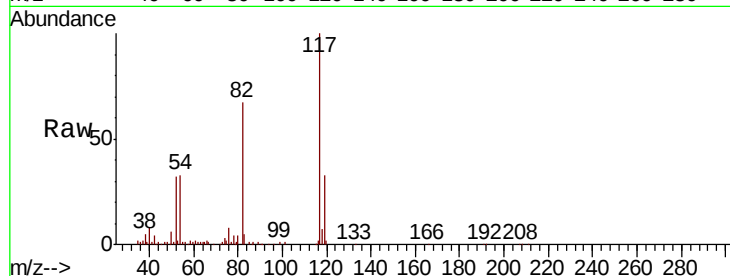




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

Instrument :
MSVOA_F
ClientSampleId :
PHASE-3-SOILRE

Tot Ion:117 Resp: 182710
Ion Ratio Lower Upper
117 100
82 67.4 49.5 74.3
119 32.7 27.0 40.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060466.D
Acq: 5 Oct 2018 20:32

Tgt Ion:152 Resp: 61422
Ion Ratio Lower Upper
152 100
115 65.8 28.6 85.8
150 150.7 0.0 324.6

