

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060442.D
 Acq On : 4 Oct 2018 18:11
 Operator : VA/AP
 Sample : J5191-05
 Misc : 4.99/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 344-OILY-STONES

Quant Time: Oct 04 18:45:29 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

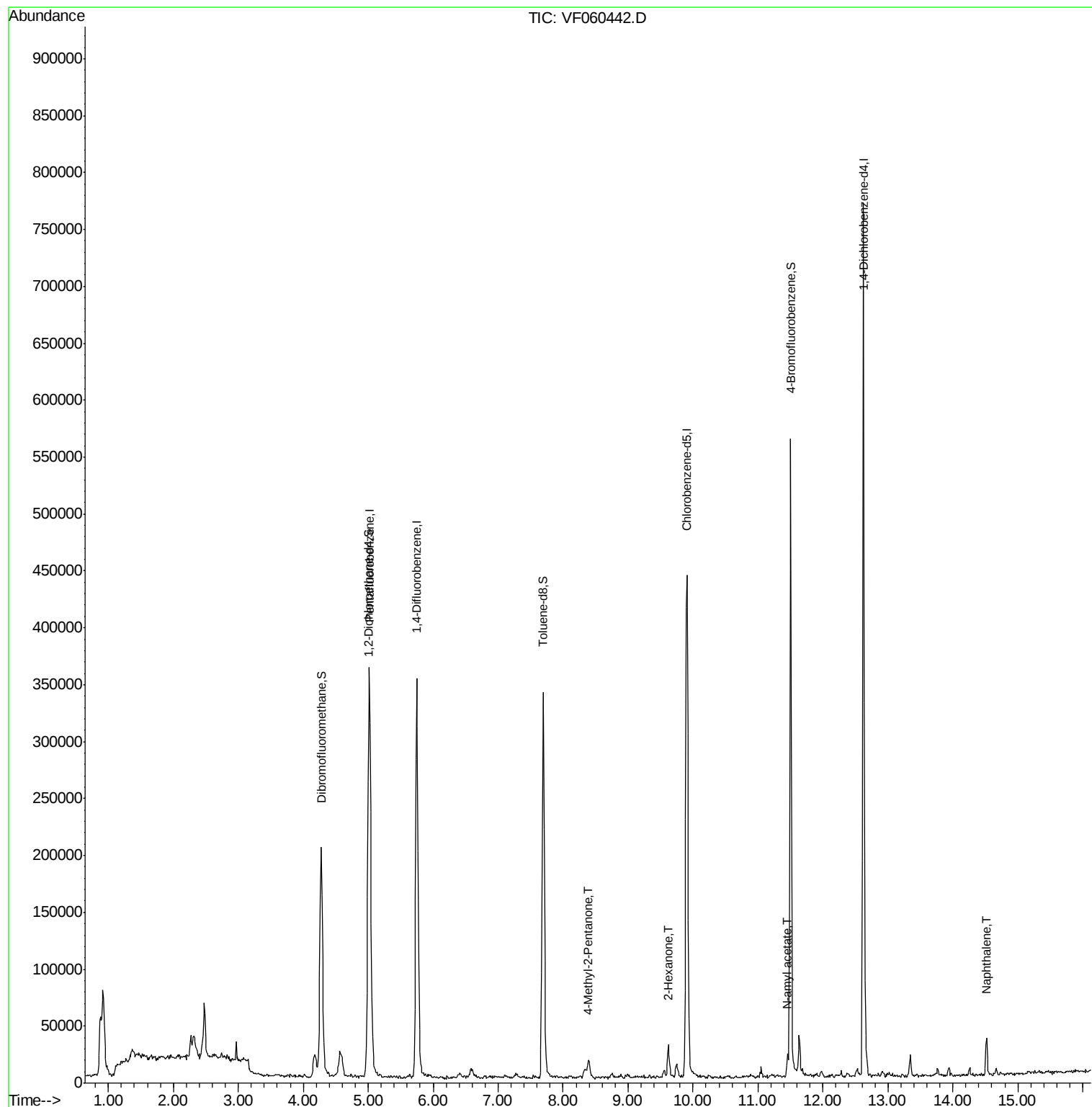
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	223538	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	362887	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	310368	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	191796	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	186309	53.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.52%	
35) Dibromofluoromethane	4.28	113	180570	52.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.94%	
50) Toluene-d8	7.69	98	292624	34.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	69.70%	
62) 4-Bromofluorobenzene	11.50	95	198372	51.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	103.50%	
Target Compounds						
					Qvalue	
51) 4-Methyl-2-Pentanone	8.40	43	14829	10.061	ug/l	96
59) 2-Hexanone	9.62	43	22444	20.761	ug/l	84
74) N-amyl acetate	11.46	43	12810	3.696	ug/l #	91
95) Naphthalene	14.52	128	21767	2.676	ug/l	96

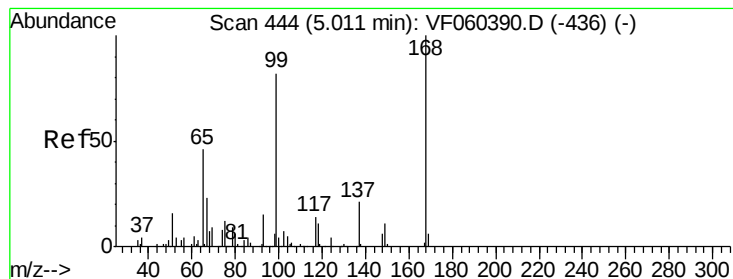
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Instrument :

MSVOA_F

ClientSampleId :

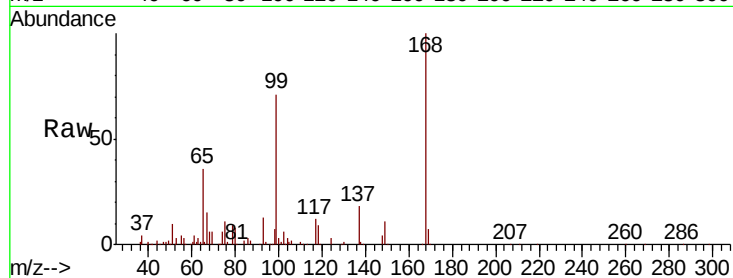
344-OILY-STONES

Tot Ion:168 Resp: 223538

Ion Ratio Lower Upper

168 100

99 71.0 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

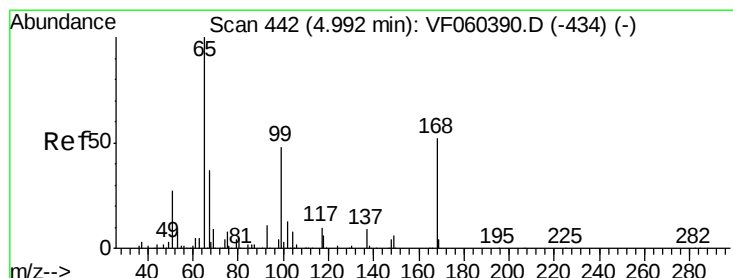
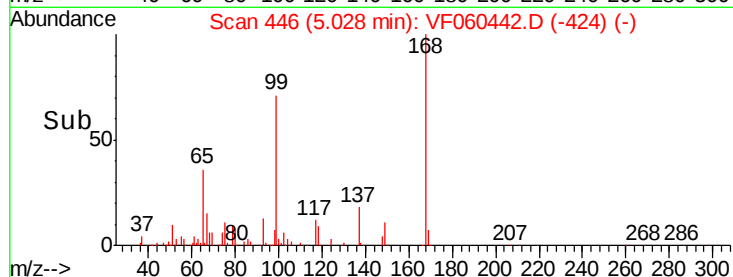
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.264 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060442.D

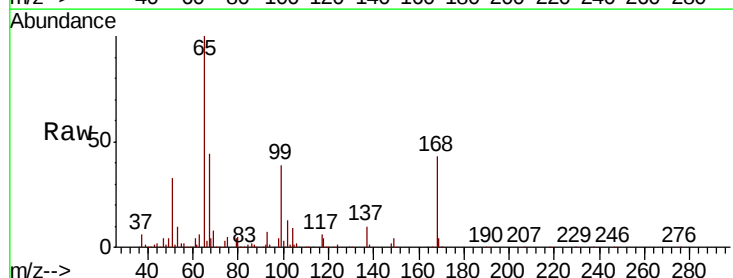
Acq: 4 Oct 2018 18:11

Tgt Ion: 65 Resp: 186309

Ion Ratio Lower Upper

65 100

67 44.0 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.00

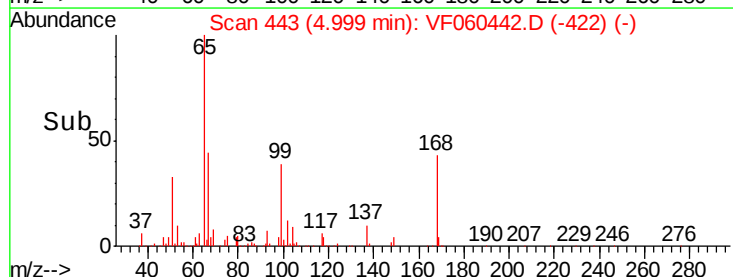
60000

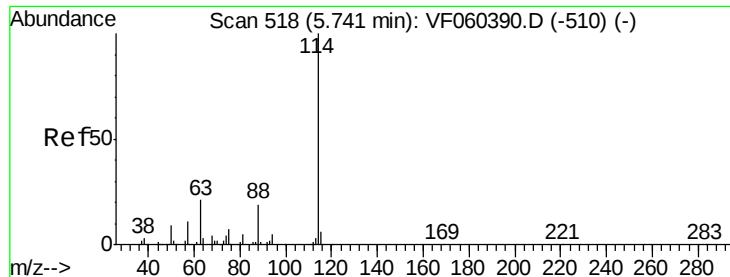
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Instrument :

MSVOA_F

ClientSampleId :

344-OILY-STONES

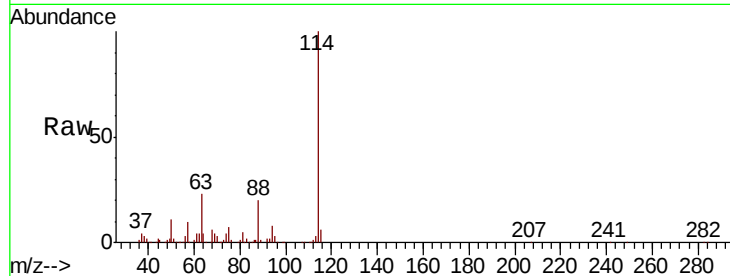
Tot Ion:114 Resp: 362887

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.2

88 19.9 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

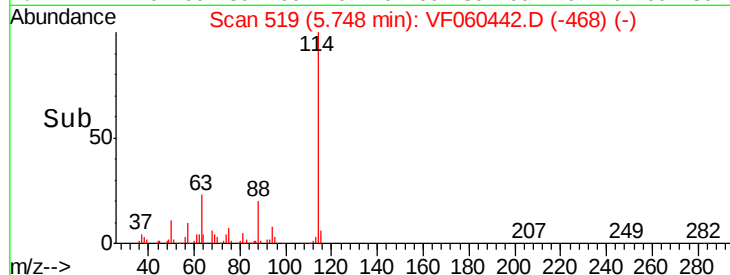
150000

100000

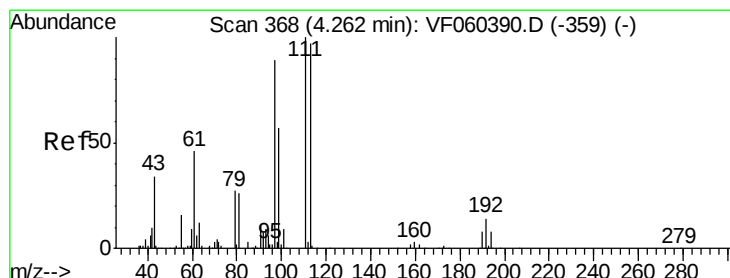
50000

0

5.60 5.70 5.80 5.90



Time-->



#35

Dibromofluoromethane

Concen: 52.967 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

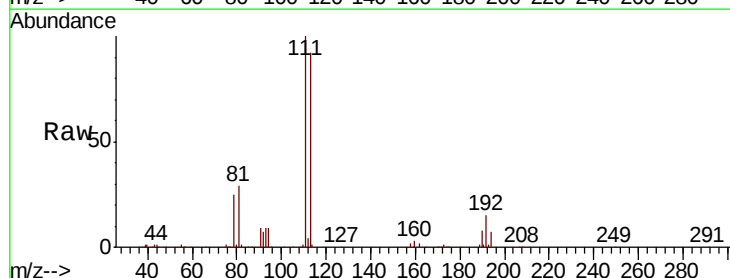
Tgt Ion:113 Resp: 180570

Ion Ratio Lower Upper

113 100

111 108.6 82.3 123.5

192 15.9 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

80000

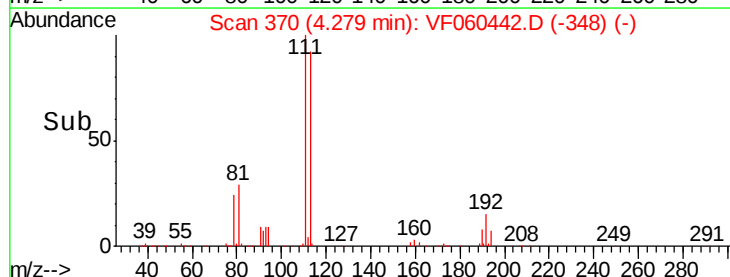
60000

40000

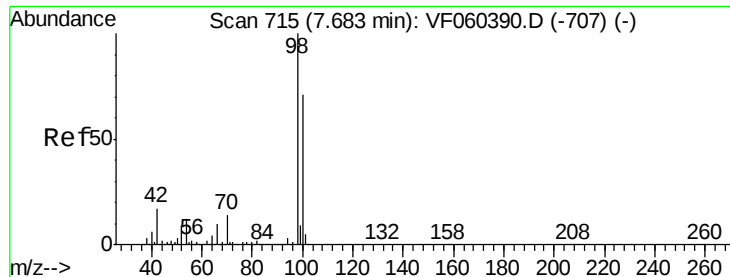
20000

0

4.10 4.20 4.30 4.40



Time-->



#50

Toluene-d8

Concen: 34.853 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.01 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Instrument :

MSVOA_F

ClientSampleId :

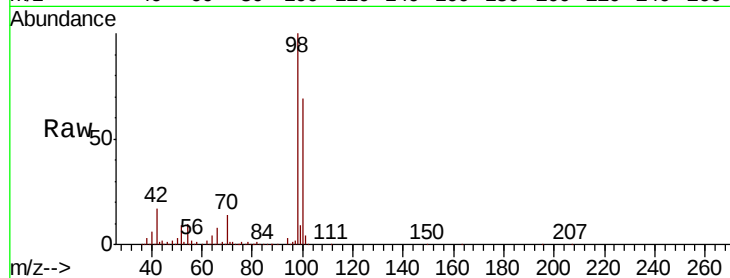
344-OILY-STONES

Tot Ion: 98 Resp: 292624

Ion Ratio Lower Upper

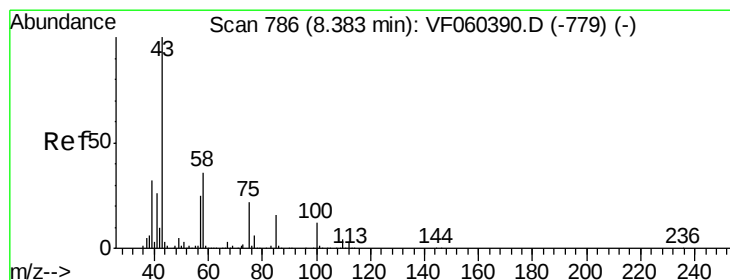
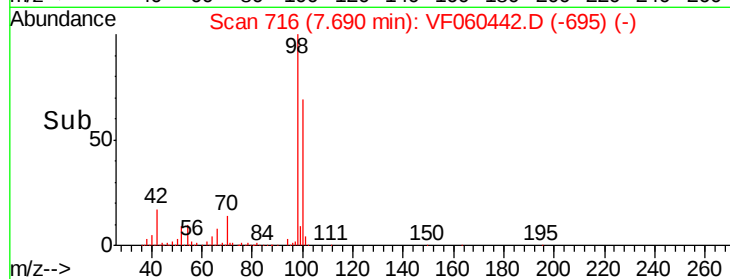
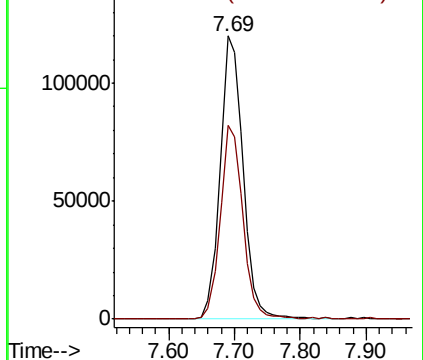
98 100

100 68.5 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 10.061 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.02 min

Lab File: VF060442.D

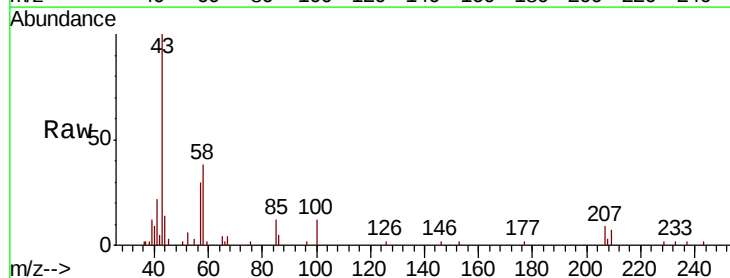
Acq: 4 Oct 2018 18:11

Tgt Ion: 43 Resp: 14829

Ion Ratio Lower Upper

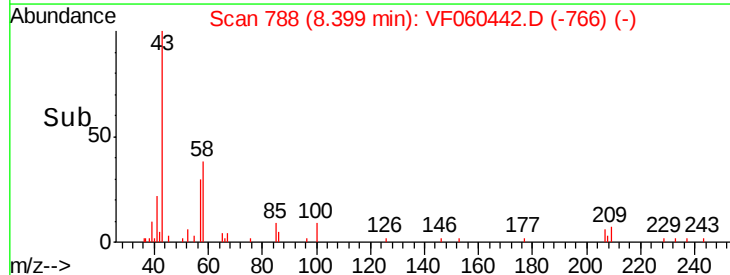
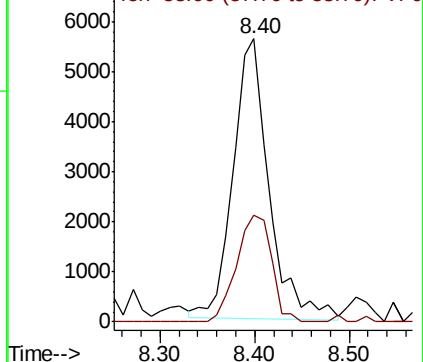
43 100

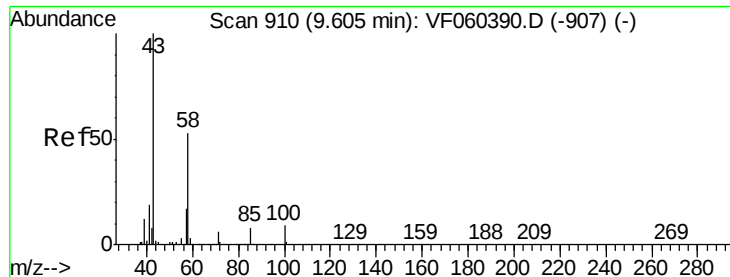
58 37.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

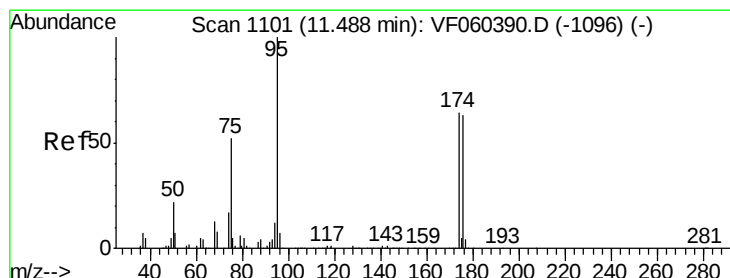
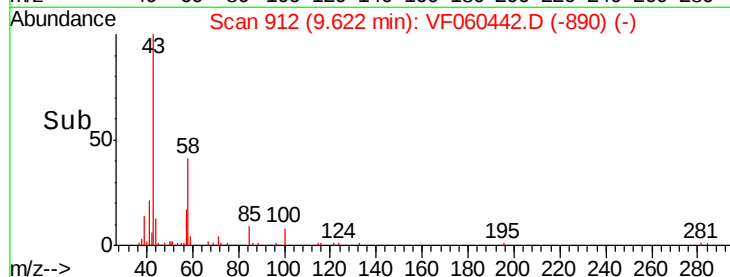
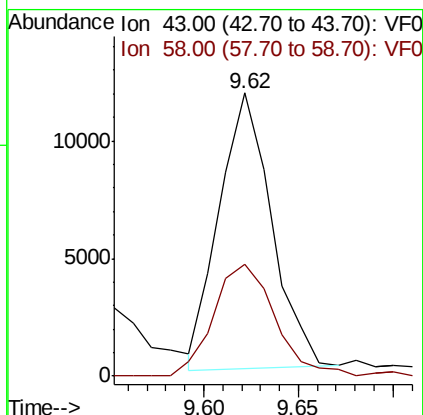
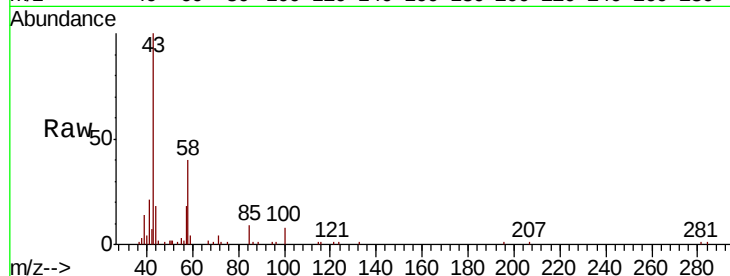




#59
2-Hexanone
Concen: 20.761 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060442.D
Acq: 4 Oct 2018 18:11

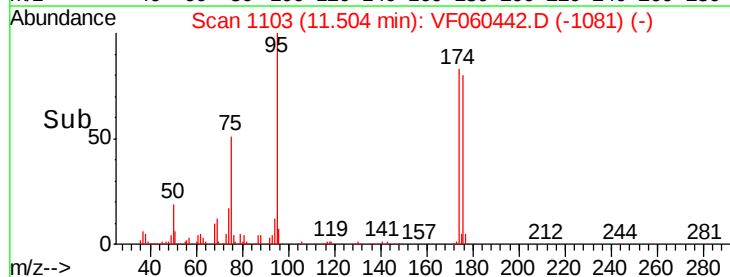
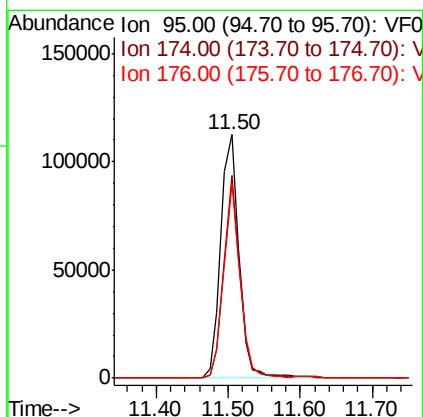
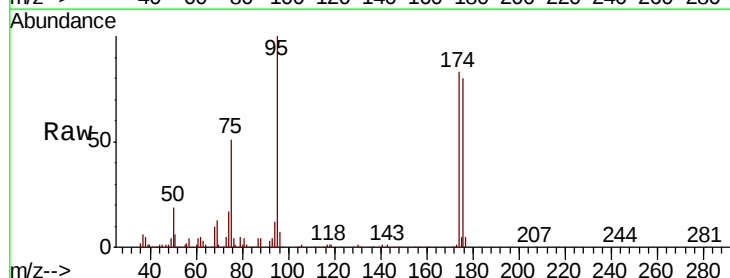
Instrument :
MSVOA_F
ClientSampleId :
344-OILY-STONES

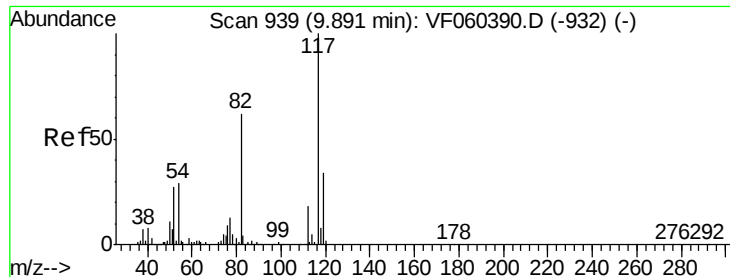
Tot Ion: 43 Resp: 22444
Ion Ratio Lower Upper
43 100
58 39.7 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 51.746 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VF060442.D
Acq: 4 Oct 2018 18:11

Tgt Ion: 95 Resp: 198372
Ion Ratio Lower Upper
95 100
174 83.1 0.0 129.0
176 80.2 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.02 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Instrument :

MSVOA_F

ClientSampleId :

344-OILY-STONES

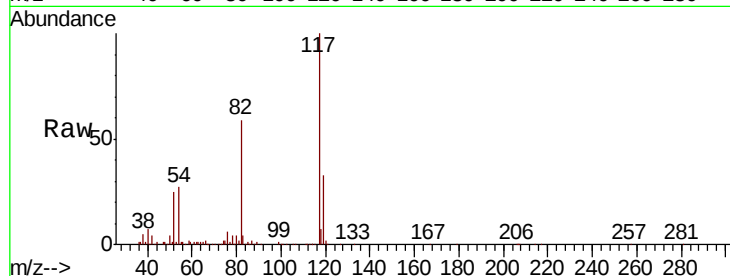
Tot Ion:117 Resp: 310368

Ion Ratio Lower Upper

117 100

82 59.0 49.5 74.3

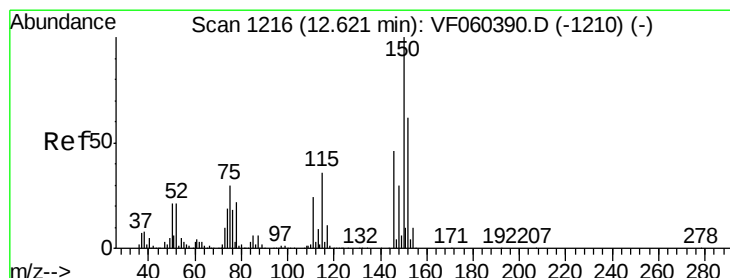
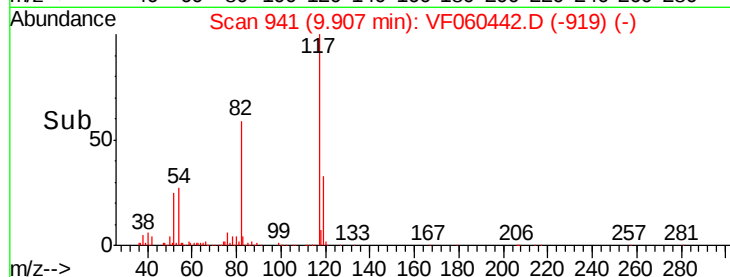
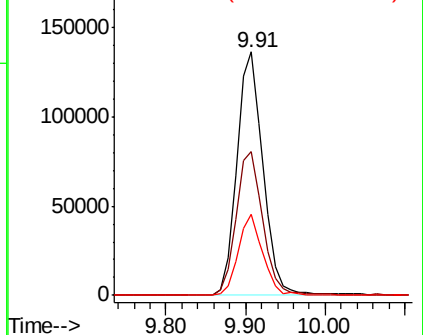
119 33.0 27.0 40.6



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: 12.63 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

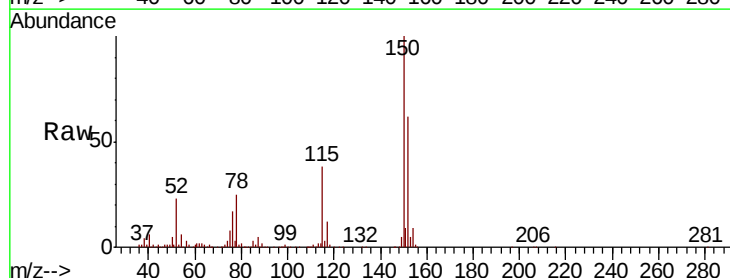
Tgt Ion:152 Resp: 191796

Ion Ratio Lower Upper

152 100

115 61.2 28.6 85.8

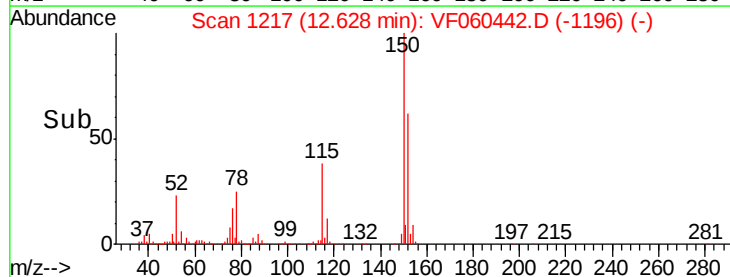
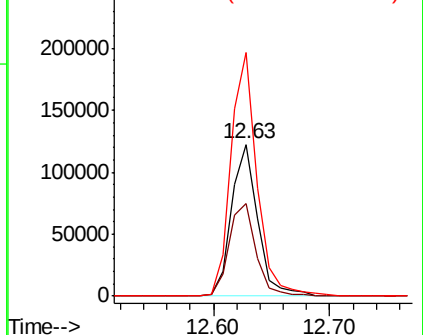
150 160.4 0.0 324.6

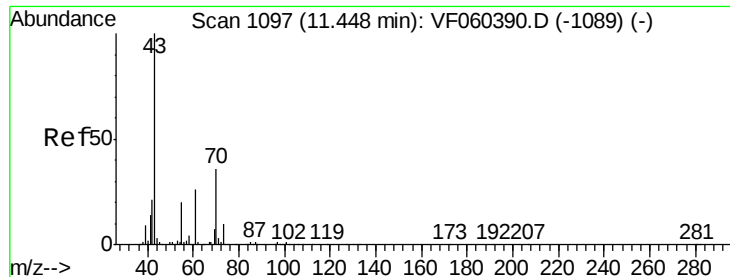


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 3.696 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Instrument :

MSVOA_F

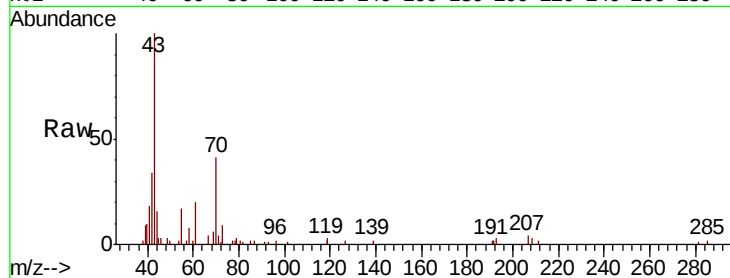
ClientSampleId :

344-OILY-STONES

Tot Ion: 43 Resp: 12810

Ion Ratio Lower Upper

43	100		
70	41.0	29.1	43.7
55	17.3	16.3	24.5
61	20.5	21.0	31.4#



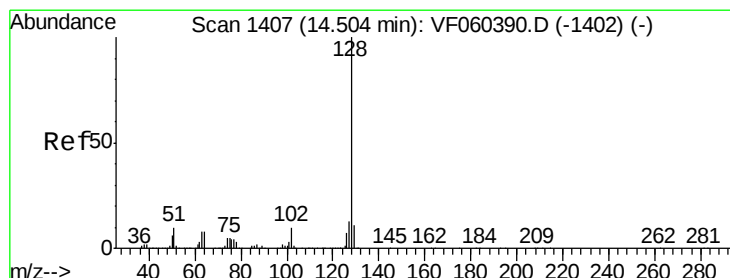
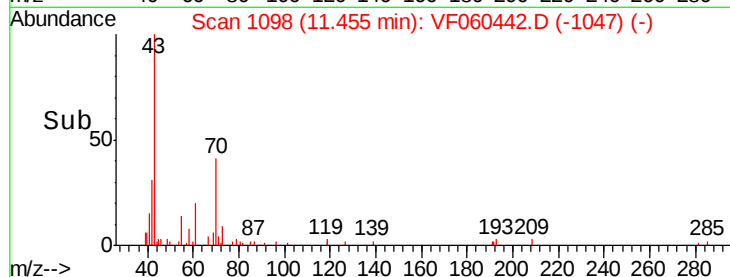
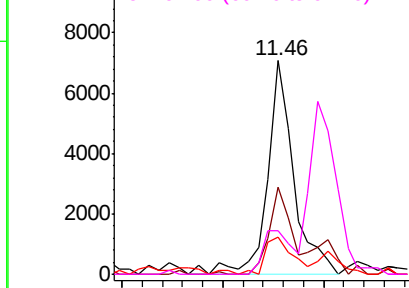
Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: 2.676 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.02 min

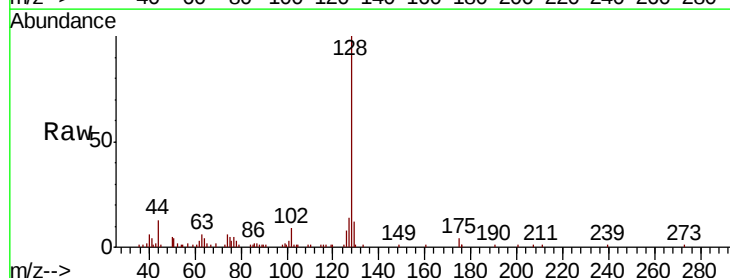
Lab File: VF060442.D

Acq: 4 Oct 2018 18:11

Tgt Ion: 128 Resp: 21767

Ion Ratio Lower Upper

128	100		
127	14.4	10.0	15.0
129	11.9	8.7	13.1



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

