

Data File : VF061297.D
Acq On : 9 Jan 2019 13:19
Operator : VA/AP
Sample : K1083-01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Quant Time: Jan 10 05:52:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	234861	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.62	114	415296	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	375499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	191781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	142932	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	4.13	113	175659	55.28	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	7.58	98	451485	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.42	95	214343	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

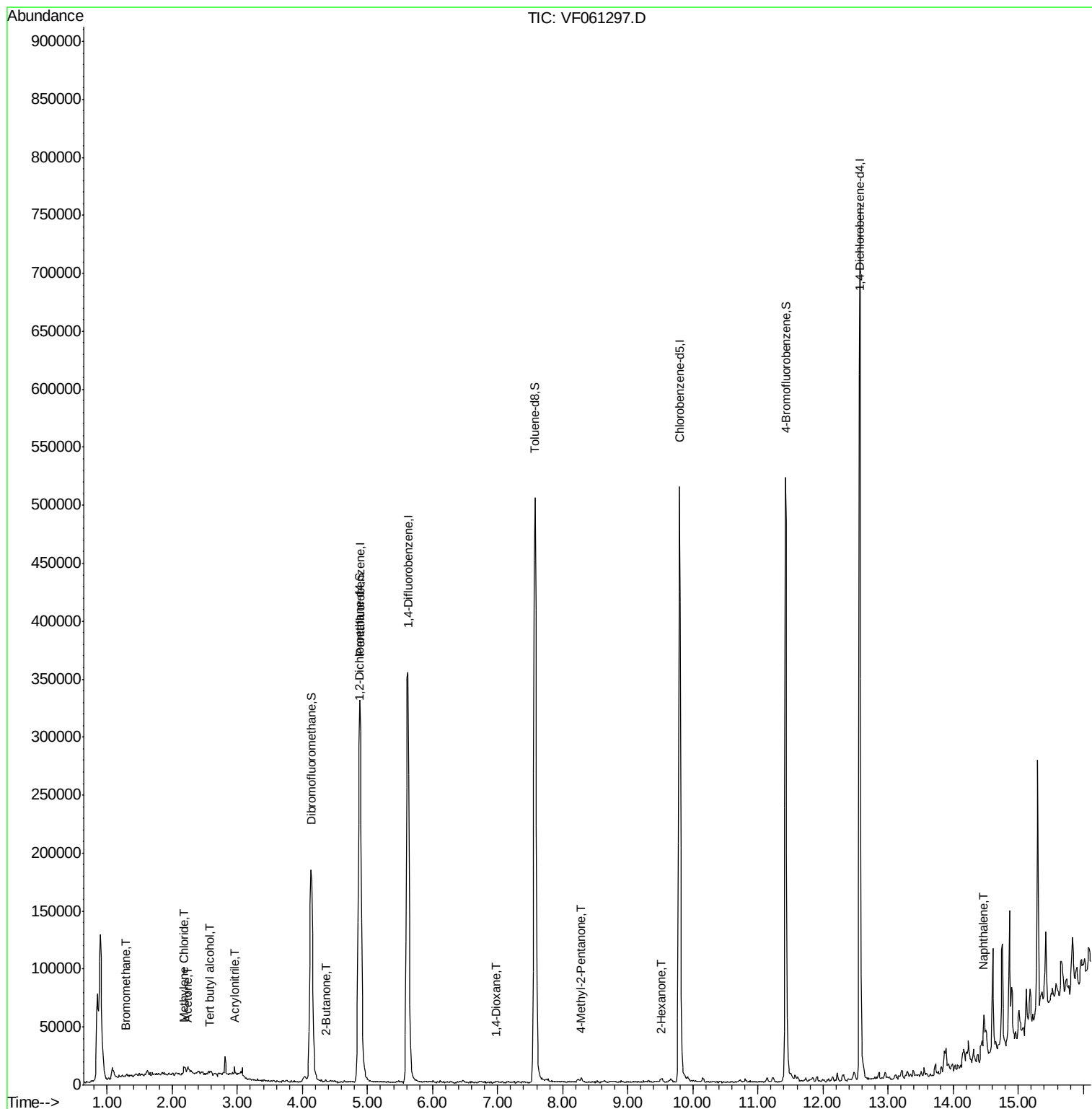
						Qvalue
5) Bromomethane	1.27	94	277	3.001	ug/l #	6
11) Tert butyl alcohol	2.58	59	1437	13.729	ug/l #	58
13) Acrolein	2.08	56	304	Below Cal		97
15) Acrylonitrile	2.96	53	1284	3.461	ug/l #	74
16) Acetone	2.25	43	2175	3.577	ug/l #	80
20) Methylene Chloride	2.19	84	2742	1.066	ug/l #	83
25) 2-Butanone	4.36	43	2226	2.274	ug/l	99
49) 1,4-Dioxane	6.96	88	64	6.702	ug/l #	1
51) 4-Methyl-2-Pentanone	8.29	43	3058	1.738	ug/l	89
59) 2-Hexanone	9.52	43	2826	2.267	ug/l	86
95) Naphthalene	14.47	128	17512	2.158	ug/l	97

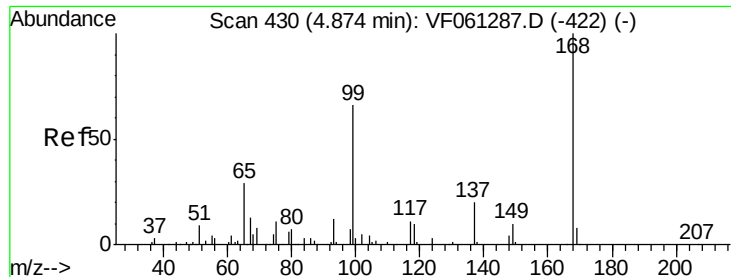
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061297.D

Acq: 9 Jan 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

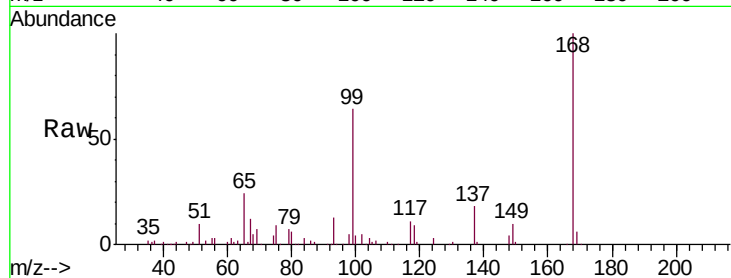
OILY-STONES

Tgt Ion:168 Resp: 234861

Ion Ratio Lower Upper

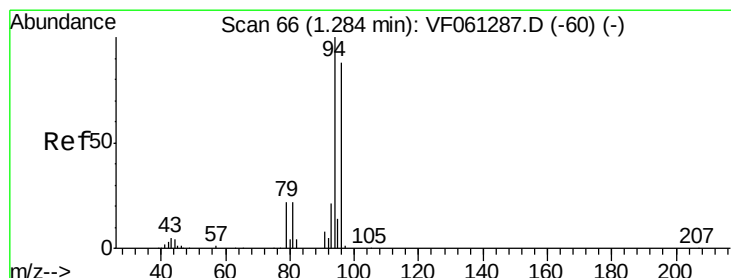
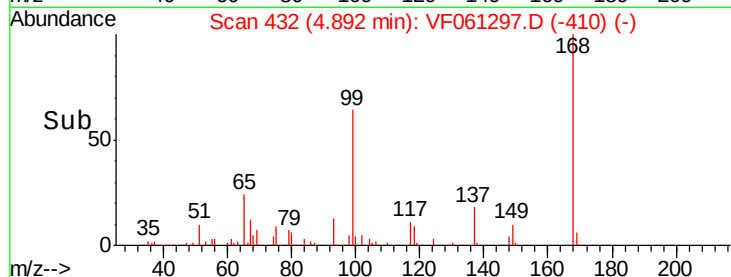
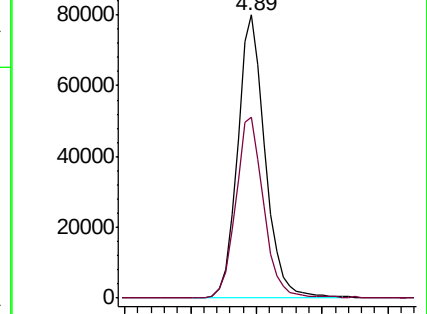
168 100

99 64.0 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.001 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061297.D

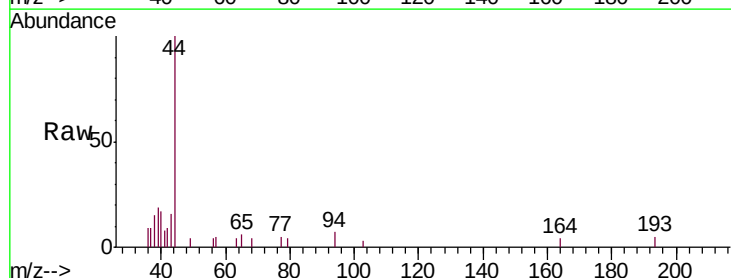
Acq: 9 Jan 2019 13:19

Tgt Ion: 94 Resp: 277

Ion Ratio Lower Upper

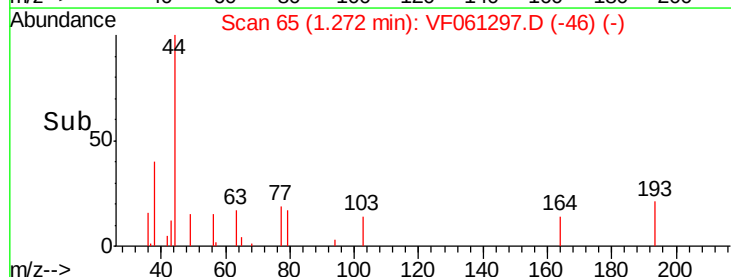
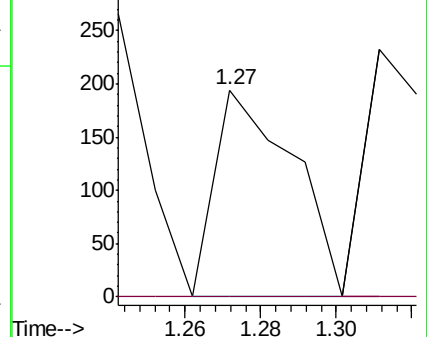
94 100

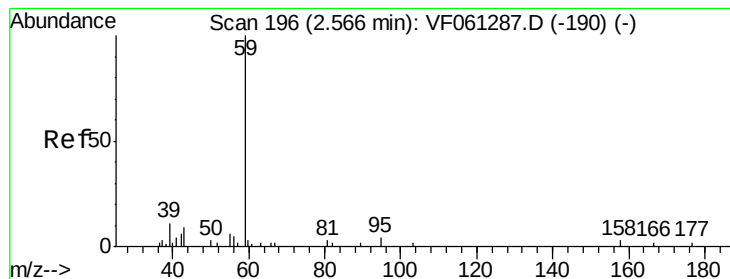
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



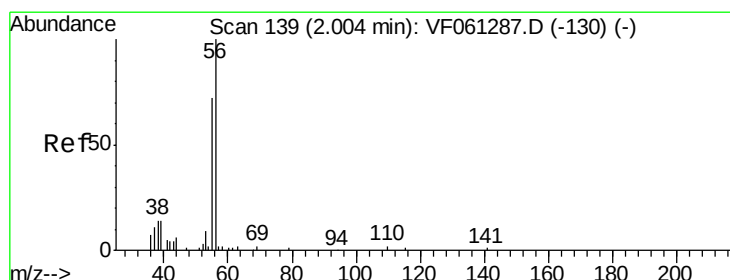
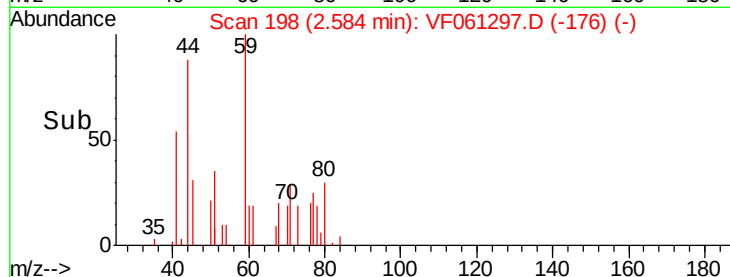
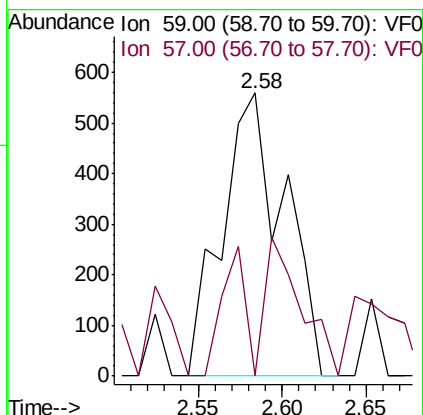
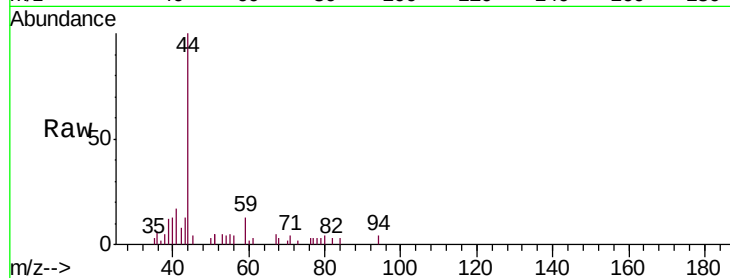


#11

Tert butyl alcohol
 Concen: 13.729 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.02 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

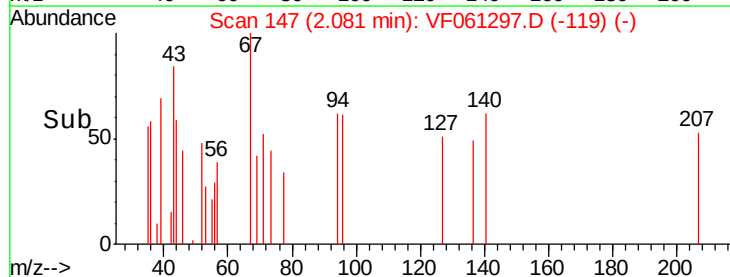
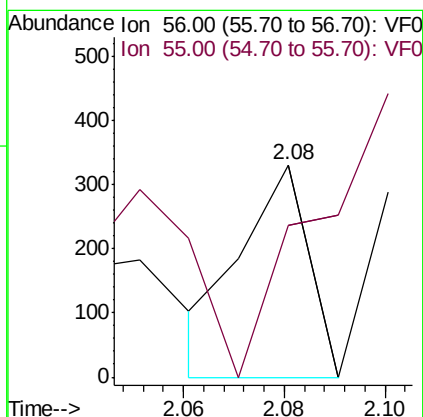
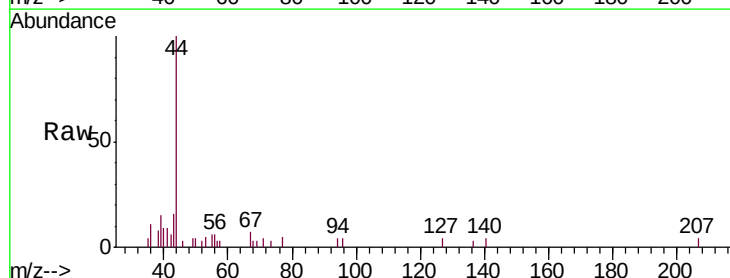
Tgt Ion: 59 Resp: 1437
 Ion Ratio Lower Upper
 59 100
 57 0.0 15.1 22.7#

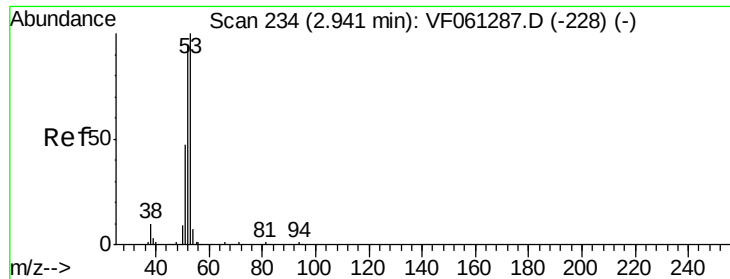


#13

Acrolein
 Concen: Below Cal
 RT: 2.08 min Scan# 147
 Delta R.T. 0.08 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

Tgt Ion: 56 Resp: 304
 Ion Ratio Lower Upper
 56 100
 55 71.8 59.4 89.0

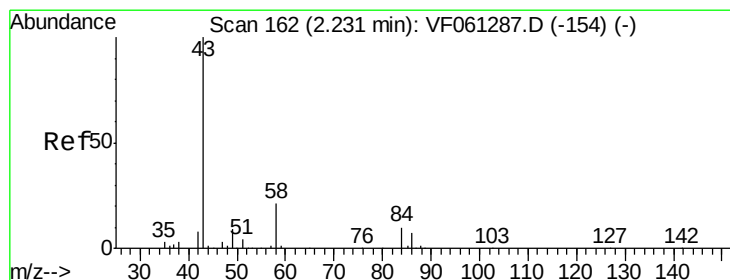
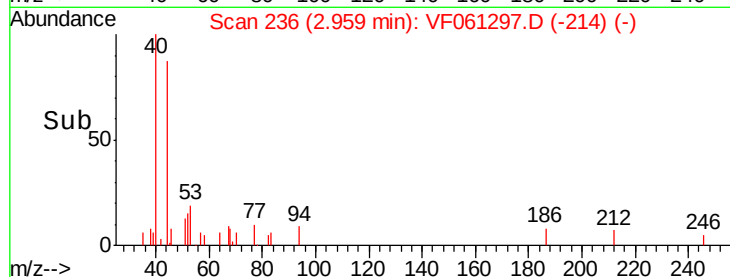
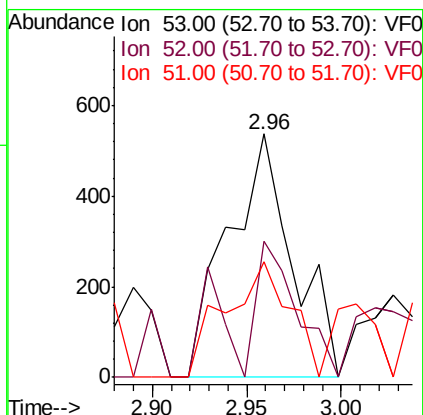
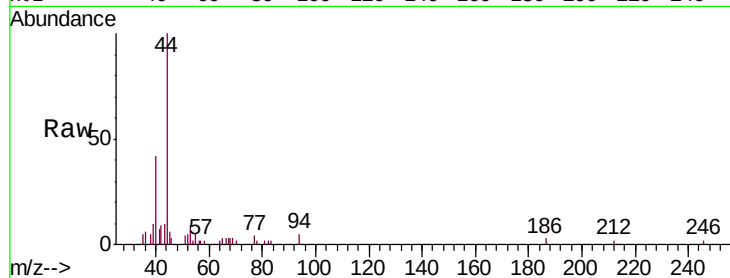




#15
Acrylonitrile
Concen: 3.461 ug/l
RT: 2.96 min Scan# 236
Delta R.T. 0.02 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

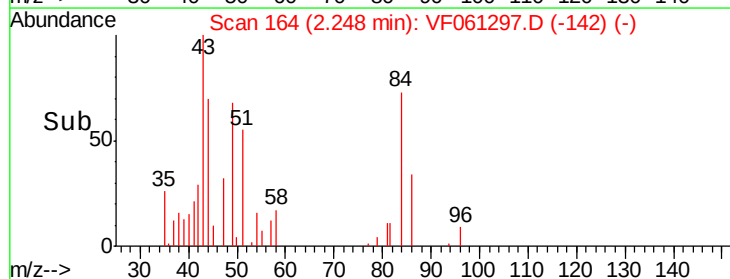
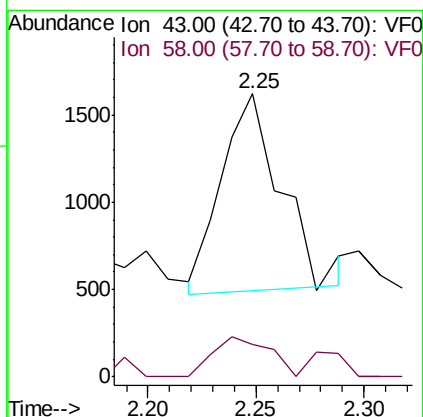
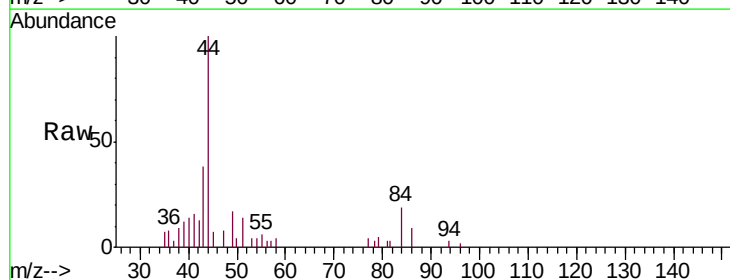
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

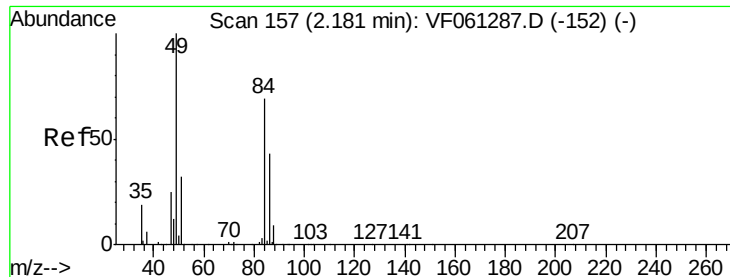
Tgt Ion: 53 Resp: 1284
Ion Ratio Lower Upper
53 100
52 55.7 74.6 111.8#
51 47.5 37.8 56.6



#16
Acetone
Concen: 3.577 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.02 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

Tgt Ion: 43 Resp: 2175
Ion Ratio Lower Upper
43 100
58 11.5 16.6 25.0#

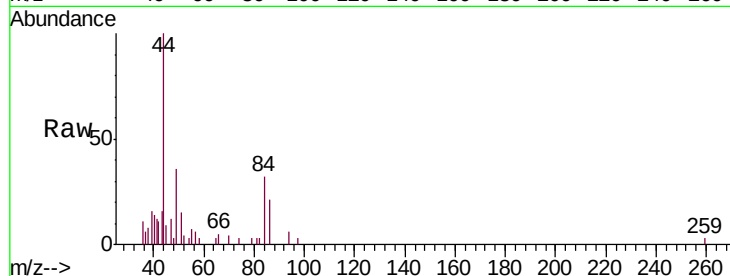




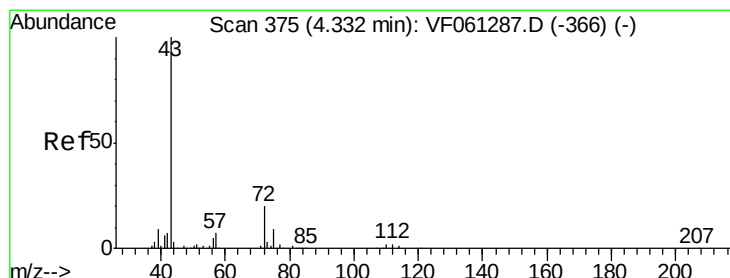
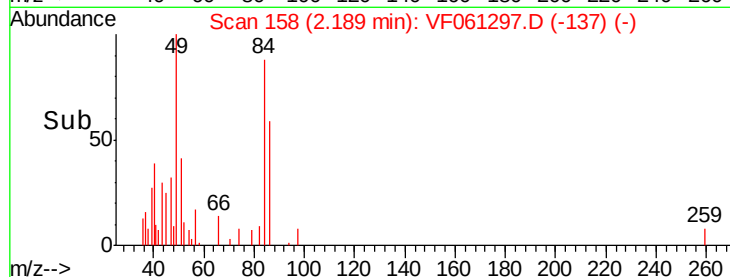
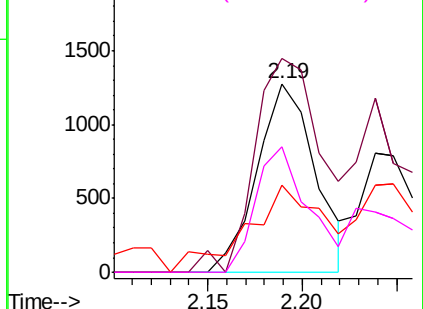
#20
Methylene Chloride
Concen: 1.066 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tgt Ion: 84 Resp: 2742
Ion Ratio Lower Upper
84 100
49 113.4 116.6 175.0#
51 46.0 37.7 56.5
86 66.6 49.8 74.8

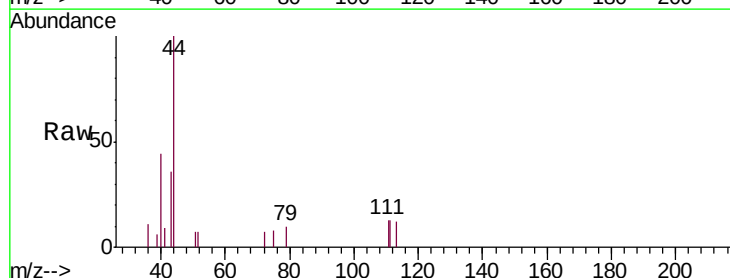


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

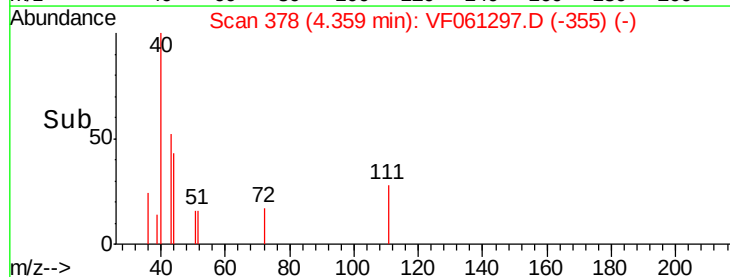
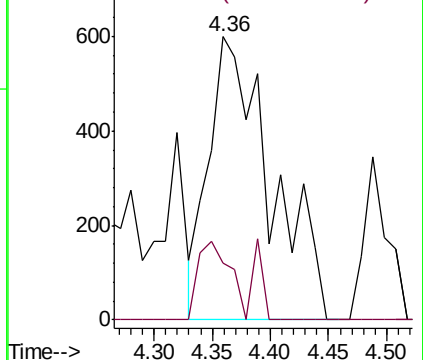


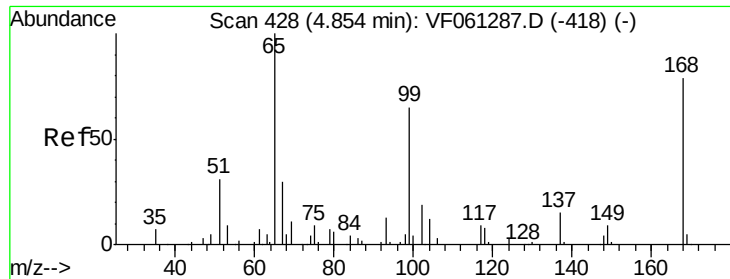
#25
2-Butanone
Concen: 2.274 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
72 20.2 16.5 24.7



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

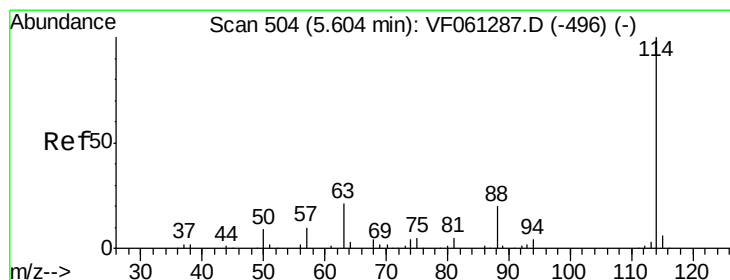
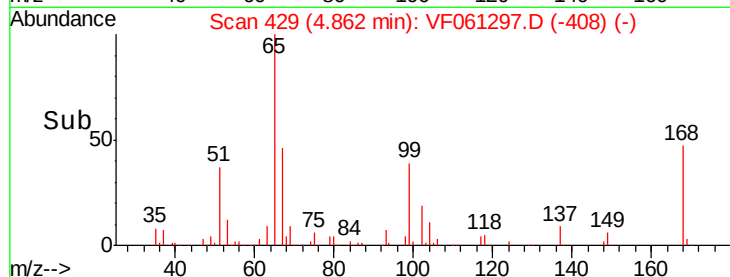
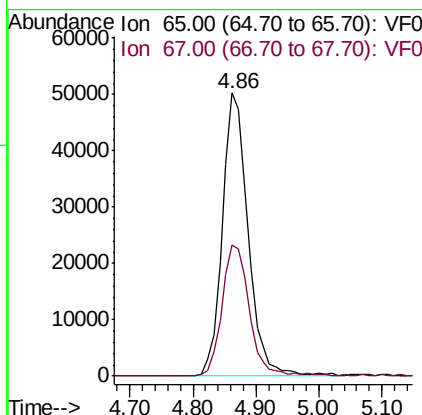
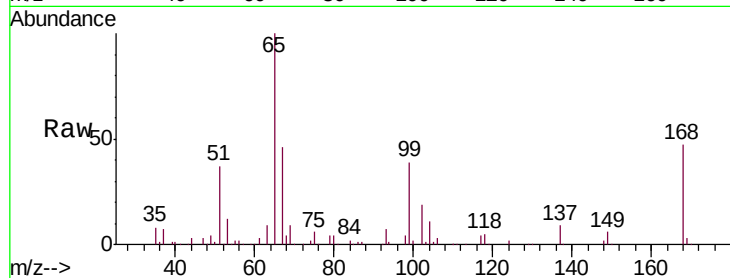




#33
 1,2-Dichloroethane-d4
 Concen: 54.677 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

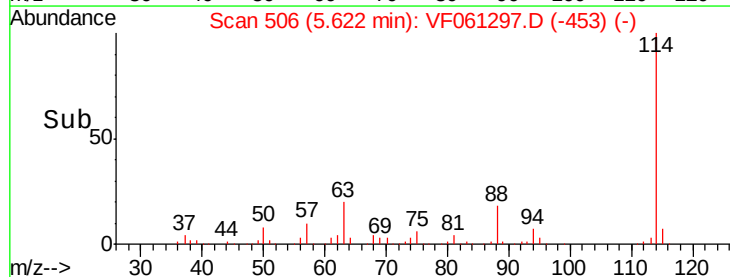
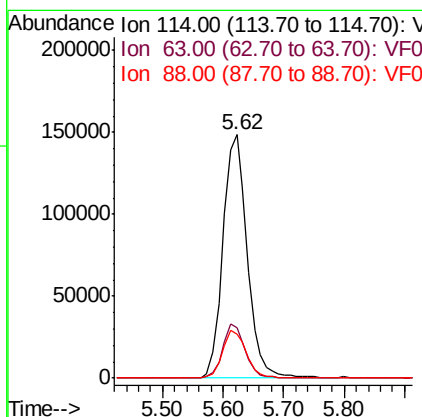
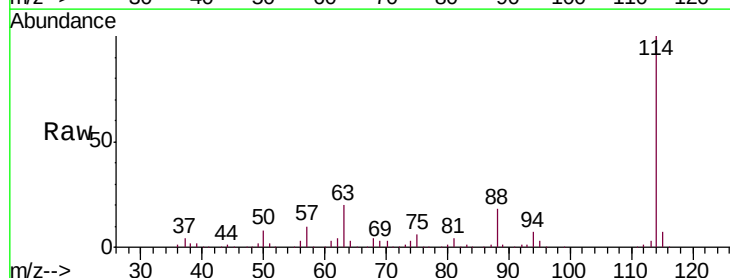
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

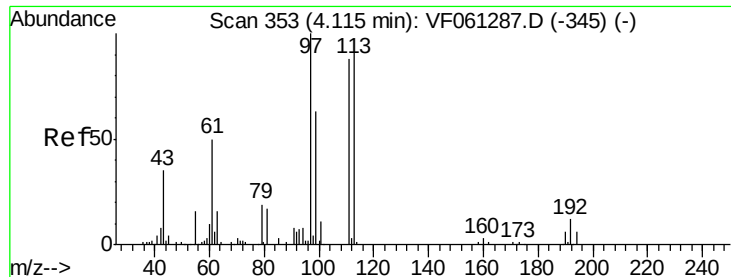
Tgt Ion: 65 Resp: 142932
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

Tgt Ion: 114 Resp: 415296
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 18.1 0.0 40.0

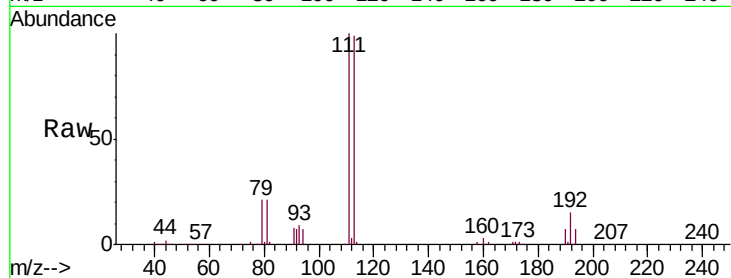




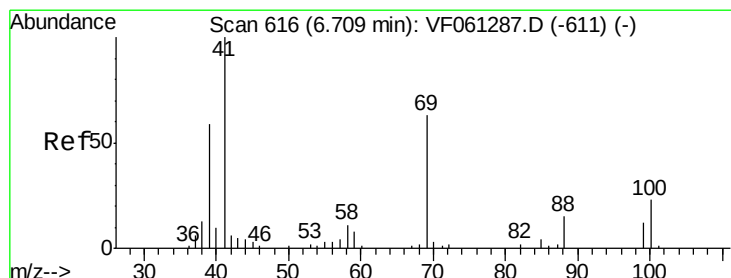
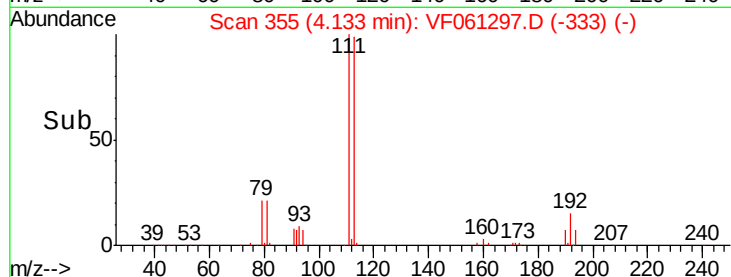
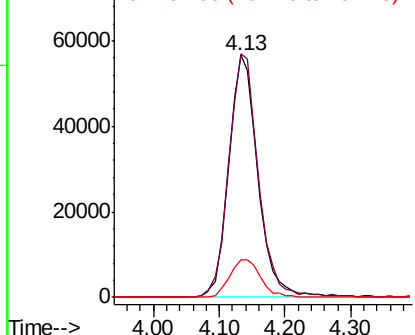
#35
 Dibromofluoromethane
 Concen: 55.279 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

Tgt Ion: 113 Resp: 175659
 Ion Ratio Lower Upper
 113 100
 111 100.7 78.0 117.0
 192 15.6 10.6 16.0

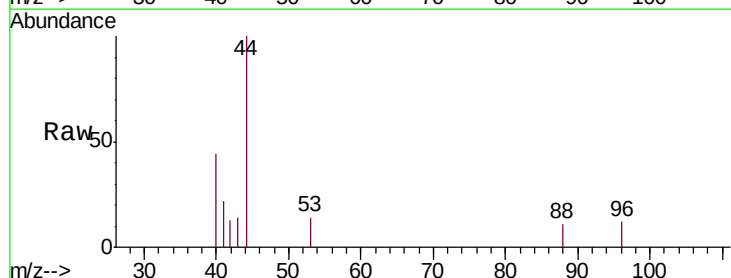


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

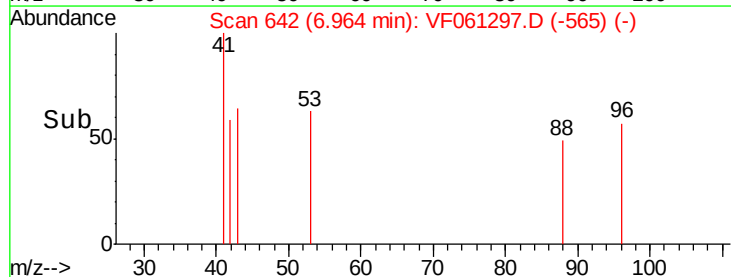
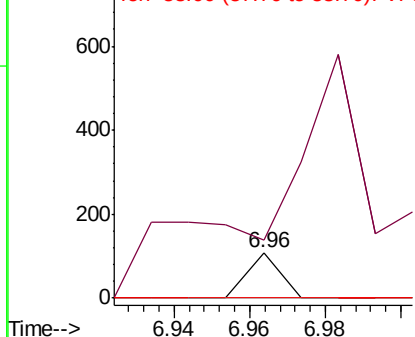


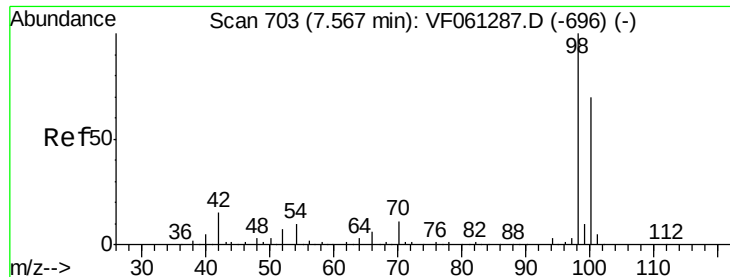
#49
 1,4-Dioxane
 Concen: 6.702 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.25 min
 Lab File: VF061297.D
 Acq: 9 Jan 2019 13:19

Tgt Ion: 88 Resp: 64
 Ion Ratio Lower Upper
 88 100
 43 129.6 38.5 57.7#
 58 0.0 57.0 85.4#



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





#50

Toluene-d8

Concen: 48.012 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF061297.D

Acq: 9 Jan 2019 13:19

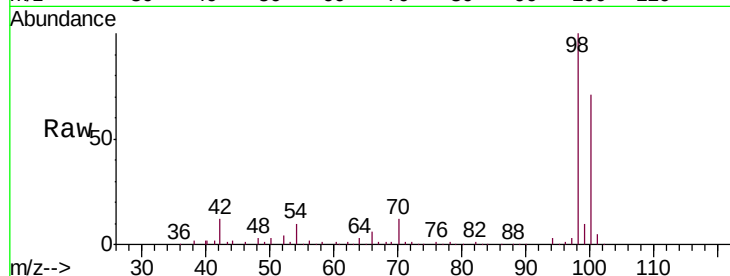
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tgt Ion: 98 Resp: 451485

Ion Ratio Lower Upper

98 100

100 71.3 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

200000

150000

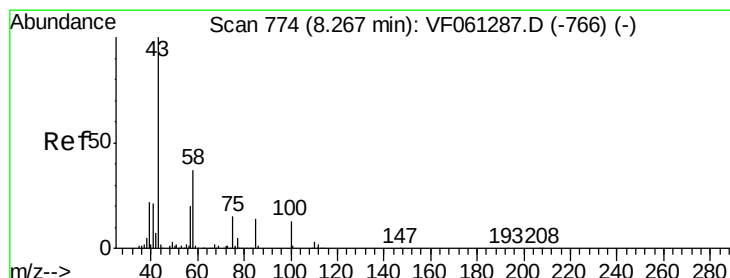
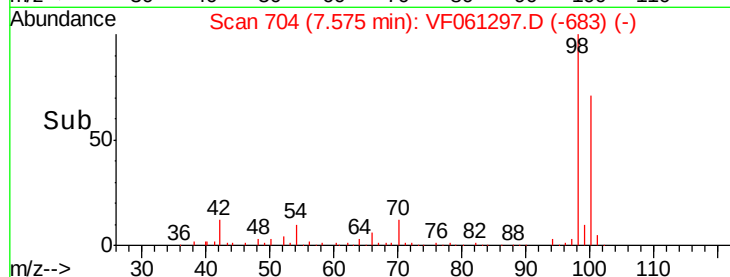
100000

50000

0

7.40 7.50 7.60 7.70 7.80

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.738 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061297.D

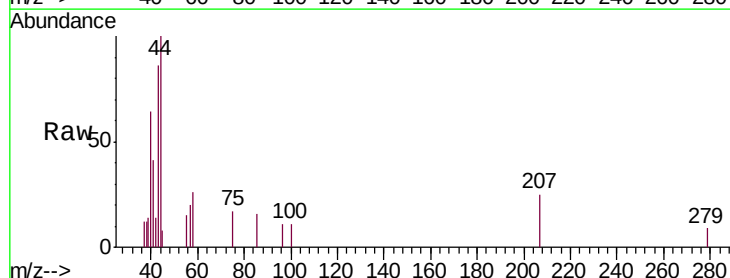
Acq: 9 Jan 2019 13:19

Tgt Ion: 43 Resp: 3058

Ion Ratio Lower Upper

43 100

58 30.4 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1200

1000

800

600

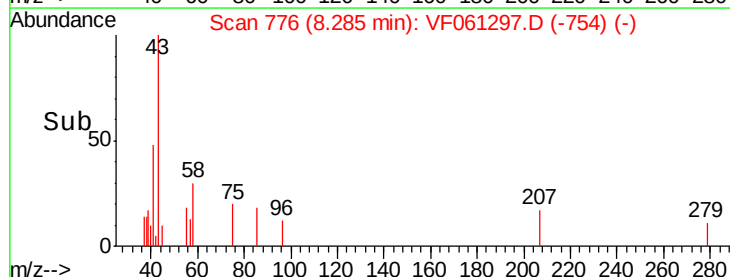
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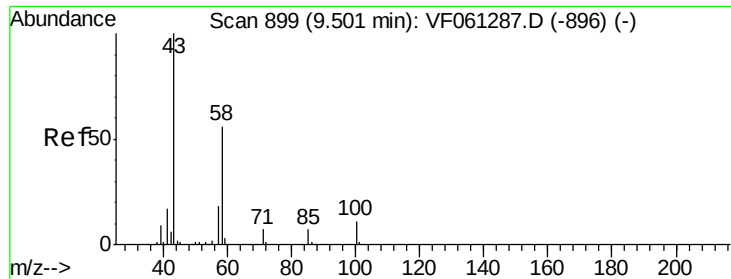
200

0

8.20 8.30

Time-->

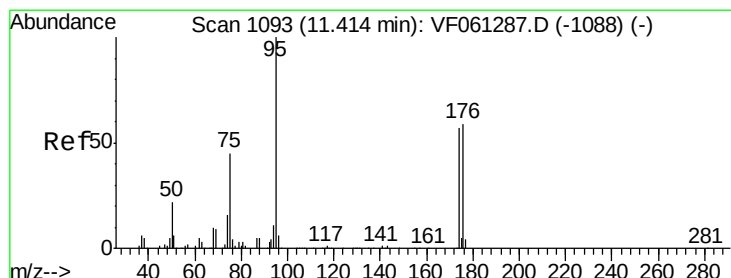
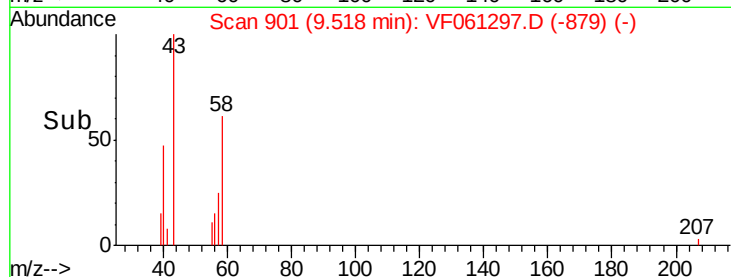
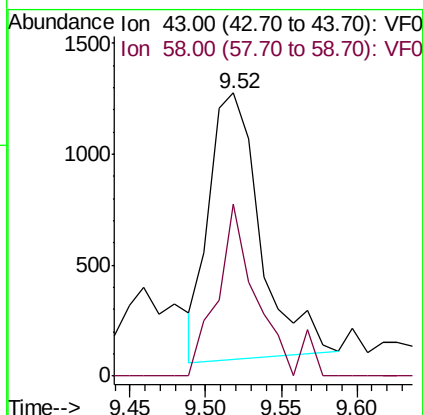
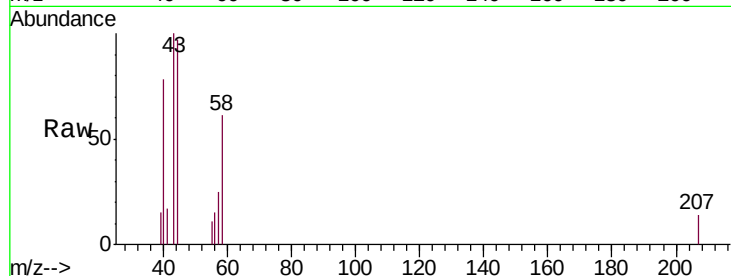




#59
2-Hexanone
Concen: 2.267 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

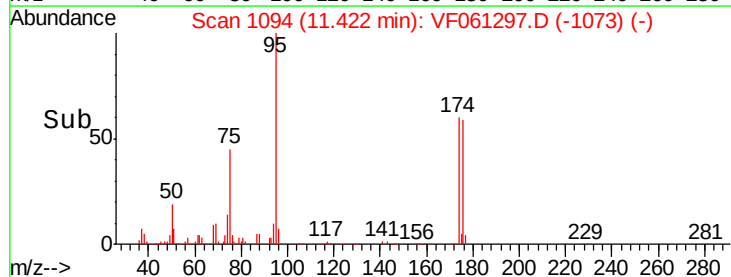
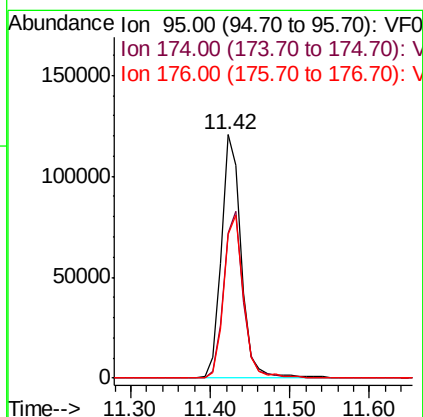
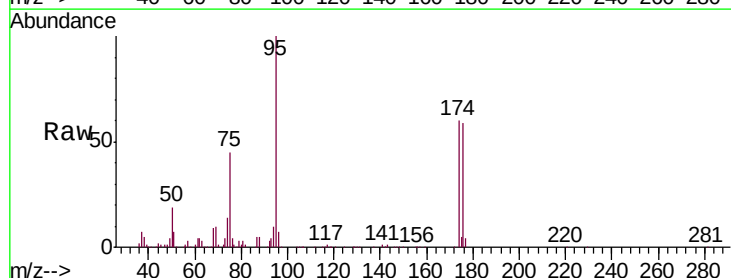
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

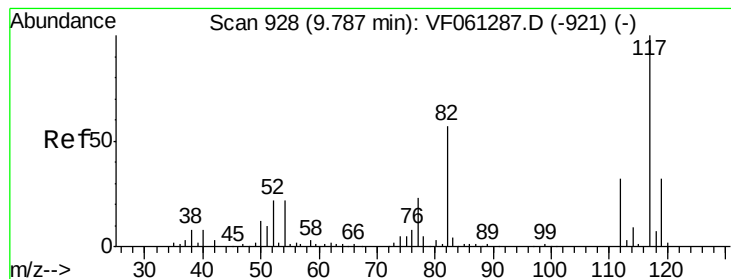
Tgt Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
58 60.7 25.6 76.8



#62
4-Bromofluorobenzene
Concen: 52.200 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061297.D
Acq: 9 Jan 2019 13:19

Tgt Ion: 95 Resp: 214343
Ion Ratio Lower Upper
95 100
174 59.5 0.0 114.2
176 59.0 0.0 117.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061297.D

Acq: 9 Jan 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

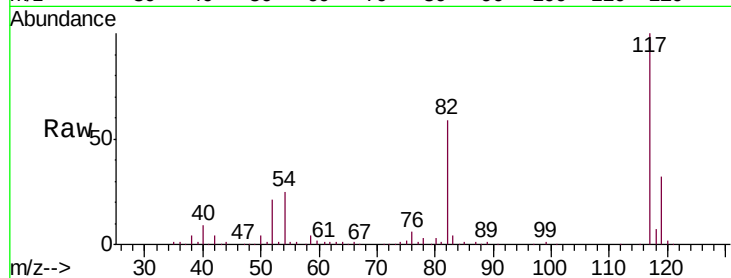
Tgt Ion:117 Resp: 375499

Ion Ratio Lower Upper

117 100

82 59.0 45.3 67.9

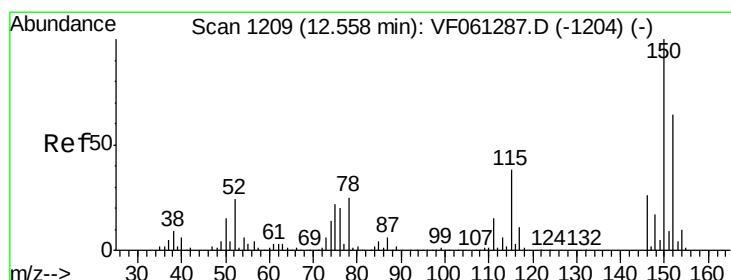
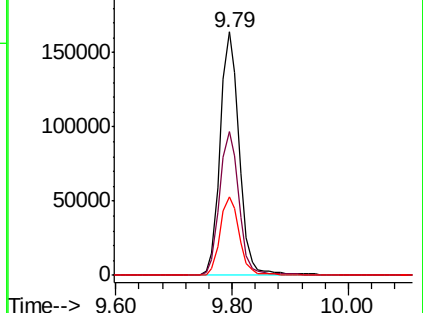
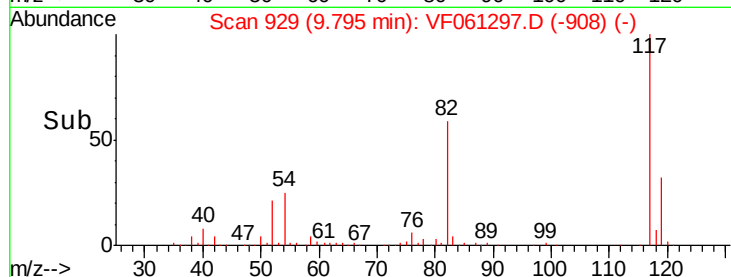
119 32.3 25.4 38.0



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: 12.57 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061297.D

Acq: 9 Jan 2019 13:19

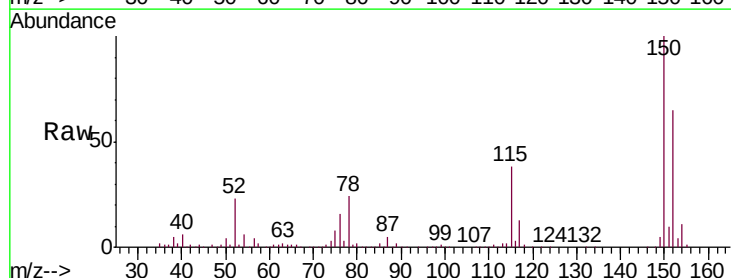
Tgt Ion:152 Resp: 191781

Ion Ratio Lower Upper

152 100

115 57.8 29.6 88.9

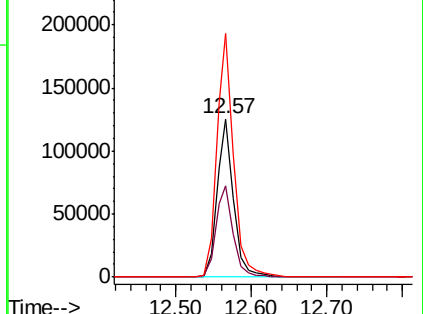
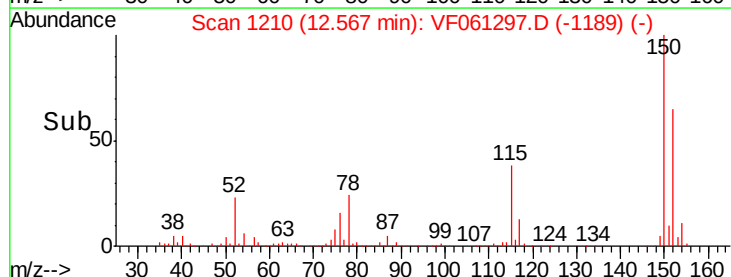
150 153.9 0.0 315.4

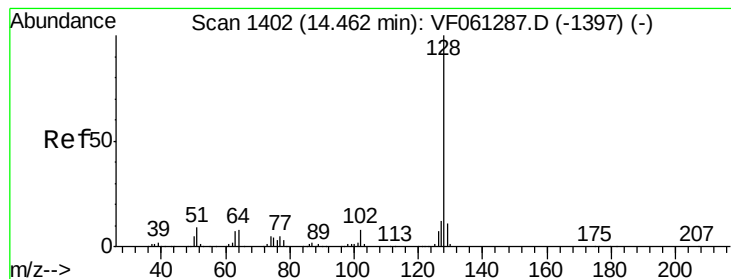


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95

Naphthalene

Concen: 2.158 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061297.D

Acq: 9 Jan 2019 13:19

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

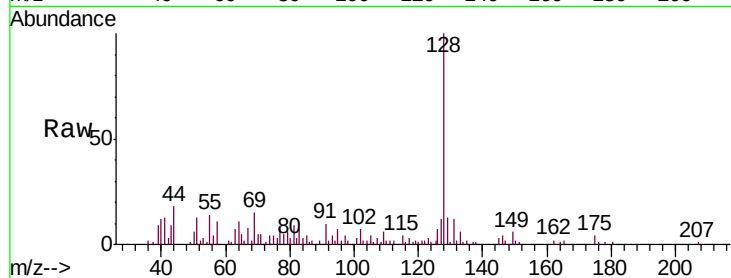
Tgt Ion:128 Resp: 17512

Ion Ratio Lower Upper

128 100

127 12.1 9.4 14.0

129 12.9 8.8 13.2



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

