

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051519\
 Data File : VF062606.D
 Acq On : 15 May 2019 13:59
 Operator : FY/SY
 Sample : K2770-01RE
 Misc : 5.08g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

Quant Time: May 15 14:29:55 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

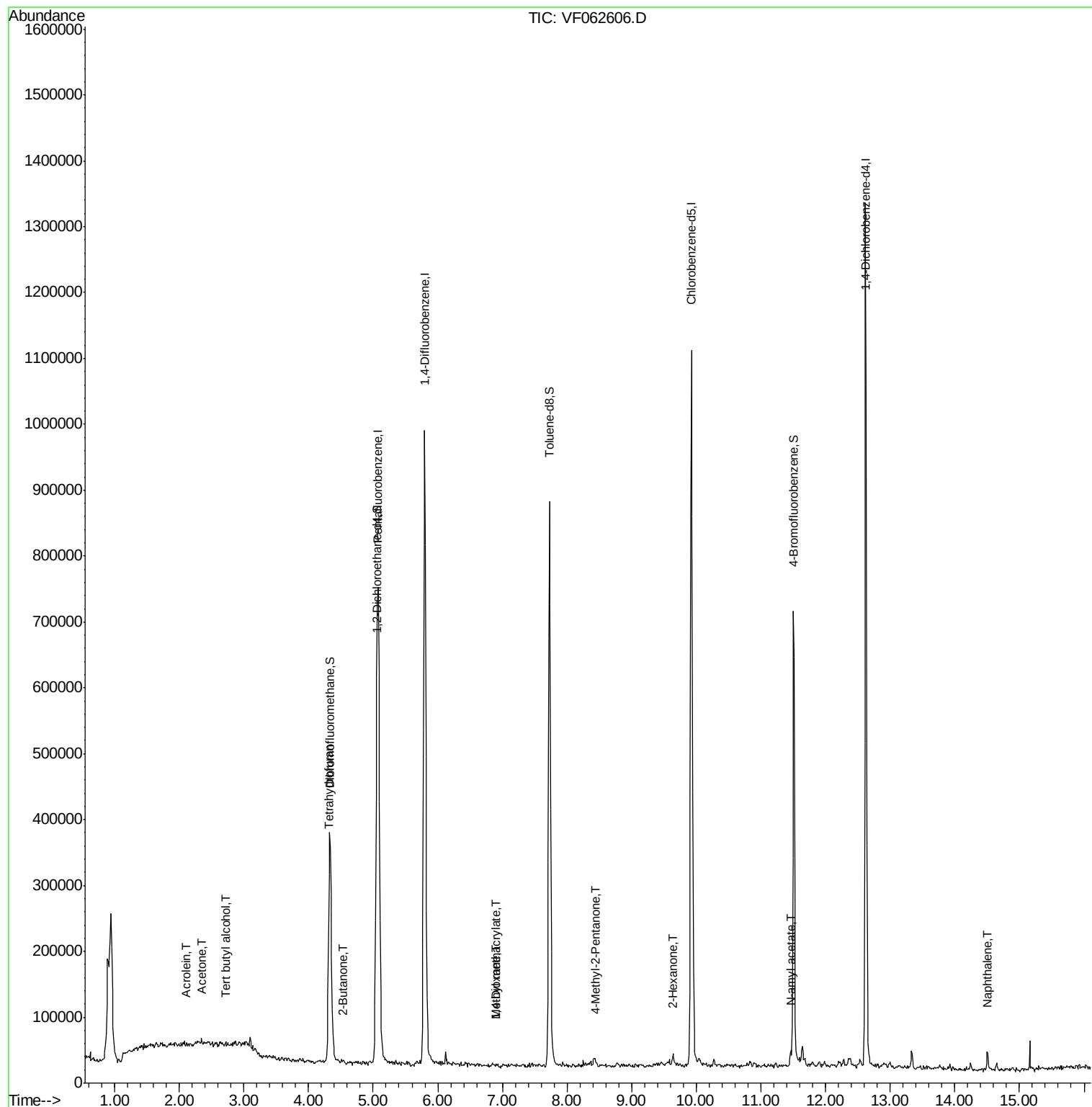
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	697014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1184525	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	830659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	342528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	199673	37.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.84%	
35) Dibromofluoromethane	4.33	113	363141	41.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.38%	
50) Toluene-d8	7.73	98	750693	36.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.28%	
62) 4-Bromofluorobenzene	11.50	95	264709	36.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.05	85	1997	Below Cal		87
11) Tert butyl alcohol	2.72	59	566	1.785 ug/l #		1
13) Acrolein	2.12	56	804	3.827 ug/l #		57
16) Acetone	2.35	43	4999	4.679 ug/l #		83
17) Carbon Disulfide	1.93	76	342	Below Cal #		1
18) Methyl Acetate	2.47	43	386	Below Cal #		77
20) Methylene Chloride	2.32	84	2432	Below Cal #		79
25) 2-Butanone	4.54	43	6039	2.500 ug/l		91
29) Tetrahydrofuran	4.31	42	4321	4.227 ug/l #		47
48) Methyl methacrylate	6.91	41	3130	1.147 ug/l #		72
49) 1,4-Dioxane	6.91	88	747	20.778 ug/l #		59
51) 4-Methyl-2-Pentanone	8.43	43	15129	4.143 ug/l #		76
59) 2-Hexanone	9.64	43	15949	6.612 ug/l		86
74) N-amyl acetate	11.45	43	16600	2.968 ug/l		98
95) Naphthalene	14.50	128	16217	1.587 ug/l #		94

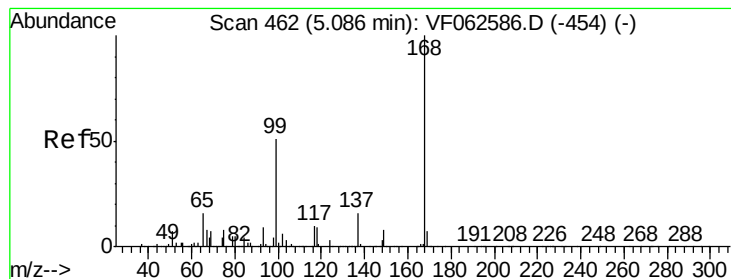
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

Instrument :

MSVOA_F

ClientSampleId :

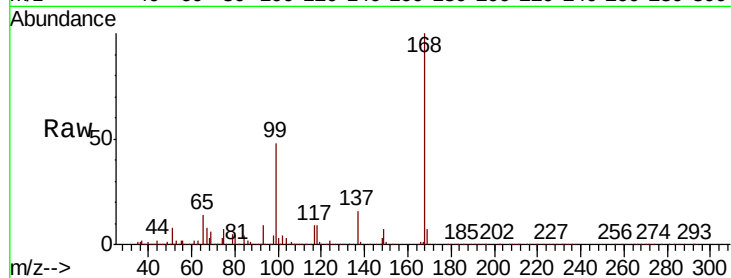
OILY-STONES

Tgt Ion:168 Resp: 697014

Ion Ratio Lower Upper

168 100

99 48.5 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

150000

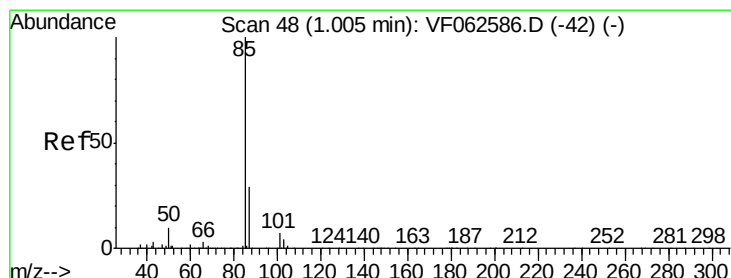
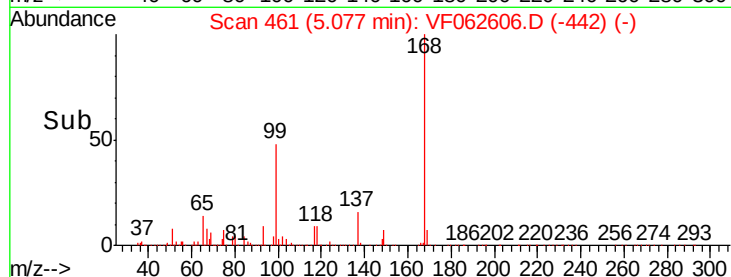
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.04 min

Lab File: VF062606.D

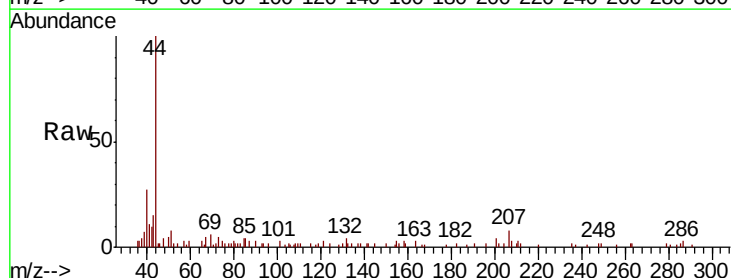
Acq: 15 May 2019 13:59

Tgt Ion: 85 Resp: 1997

Ion Ratio Lower Upper

85 100

87 36.4 14.6 43.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.05

600

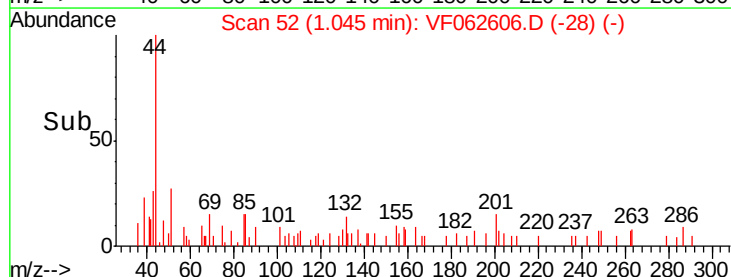
400

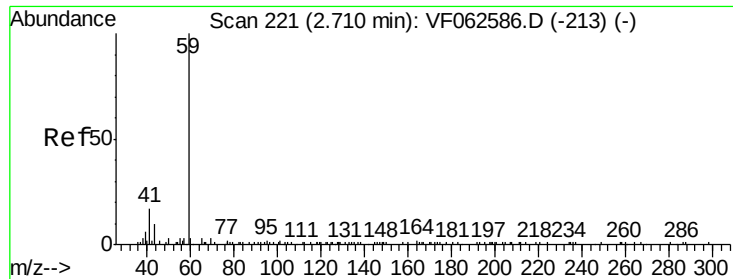
200

0

Time-->

0.95 1.00 1.05 1.10

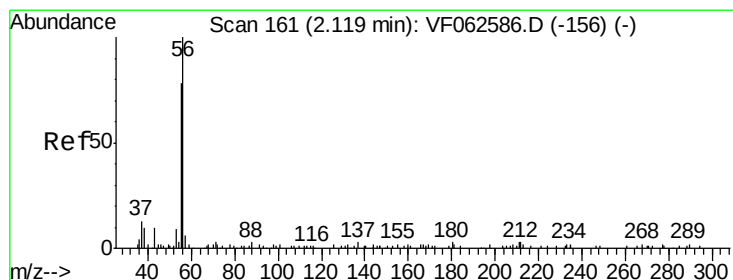
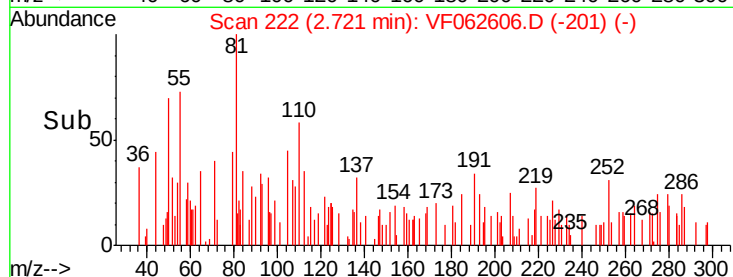
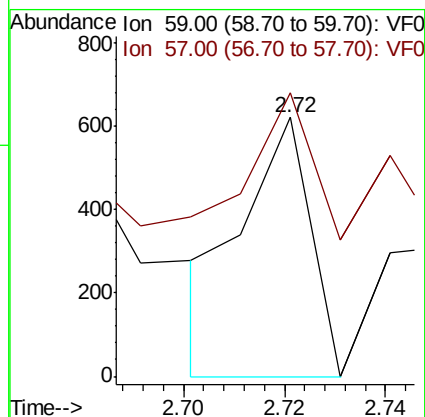
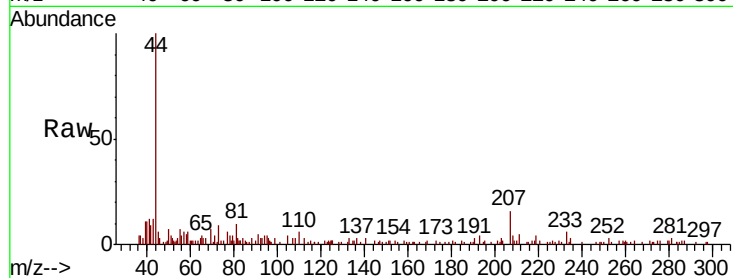




#11
Tert butyl alcohol
Concen: 1.785 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

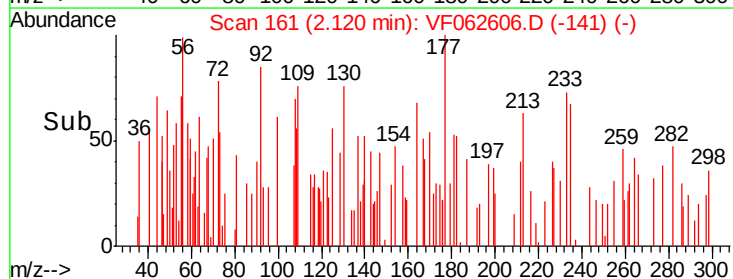
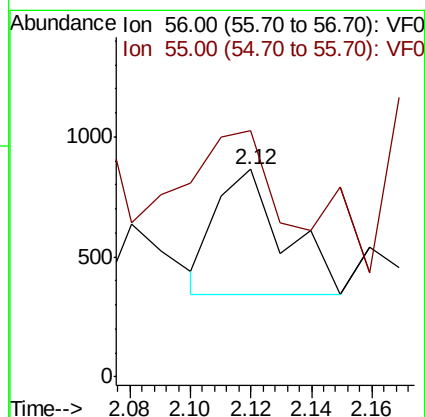
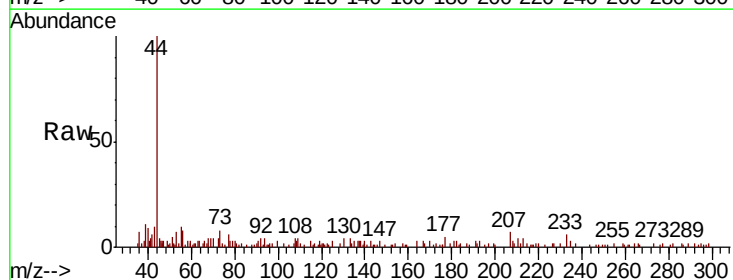
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

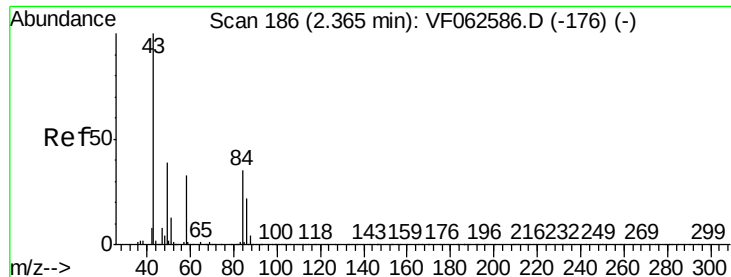
Tgt Ion: 59 Resp: 566
Ion Ratio Lower Upper
59 100
57 109.4 8.0 12.0#



#13
Acrolein
Concen: 3.827 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion: 56 Resp: 804
Ion Ratio Lower Upper
56 100
55 118.6 64.6 96.8#





#16

Acetone

Concen: 4.679 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.02 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

Instrument :

MSVOA_F

ClientSampleId :

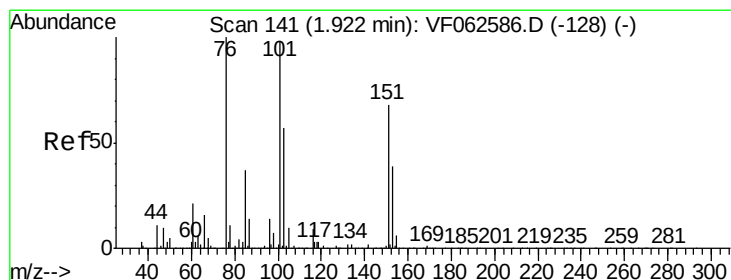
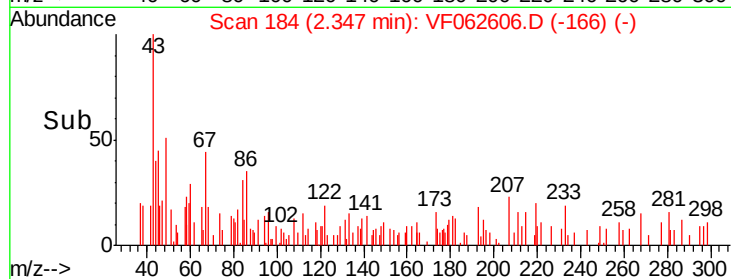
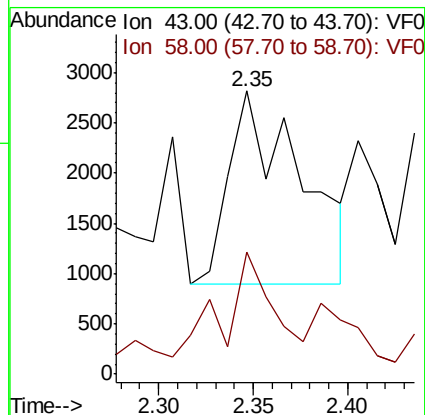
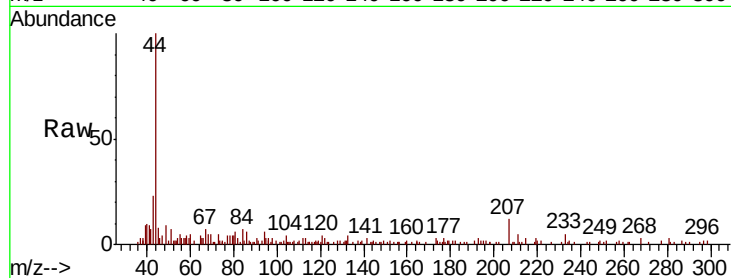
OILY-STONES

Tgt Ion: 43 Resp: 4999

Ion Ratio Lower Upper

43 100

58 43.0 26.7 40.1#



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.93 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF062606.D

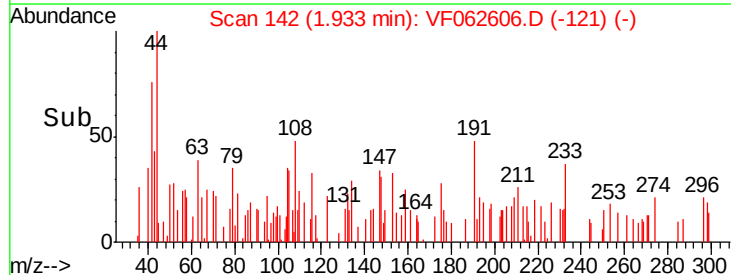
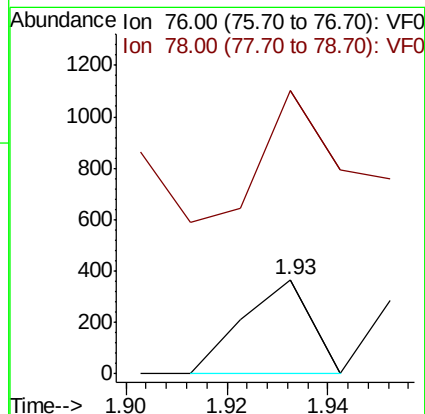
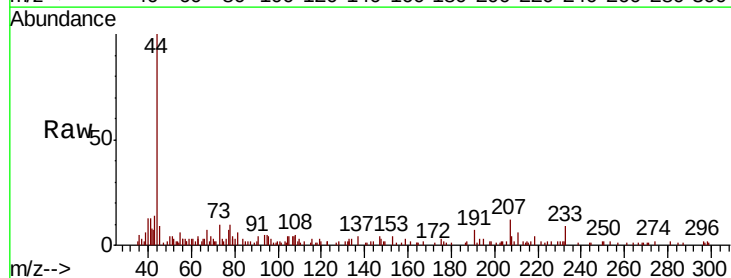
Acq: 15 May 2019 13:59

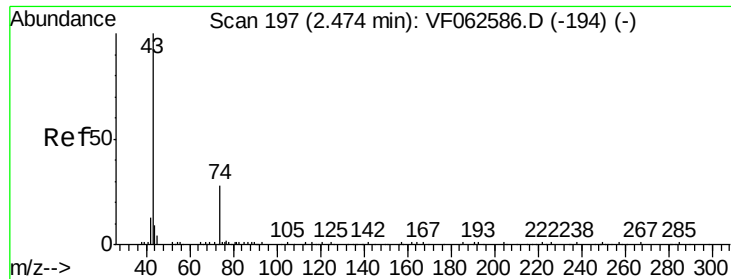
Tgt Ion: 76 Resp: 342

Ion Ratio Lower Upper

76 100

78 300.8 9.0 13.4#

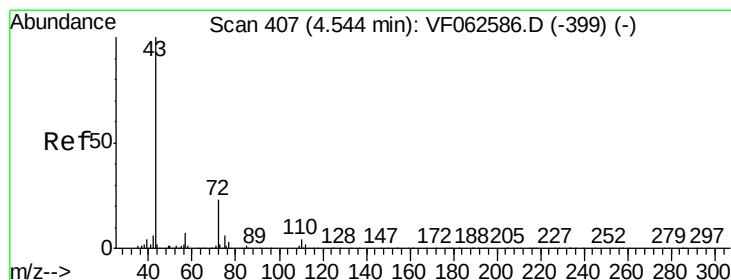
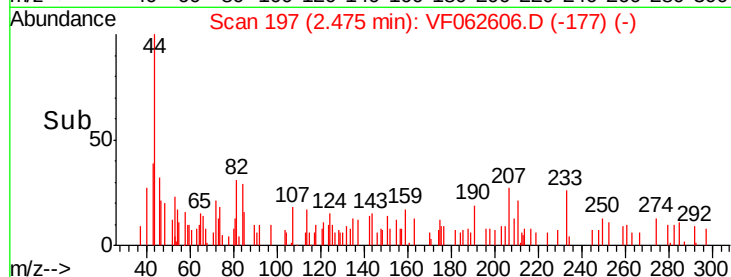
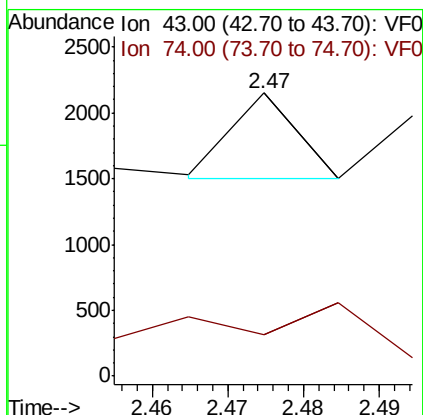
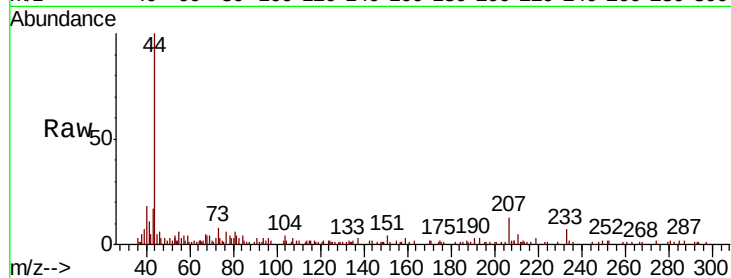




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

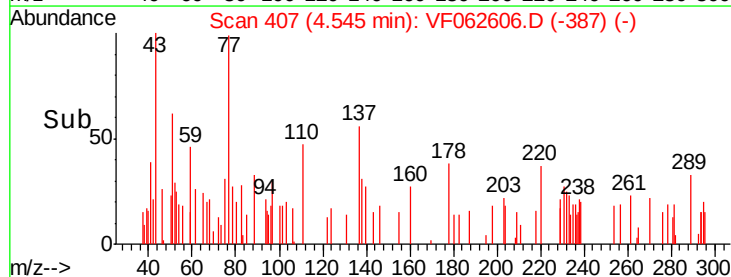
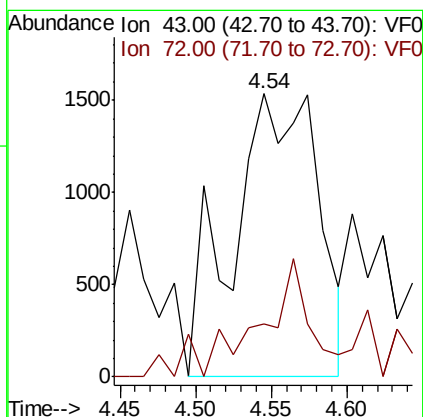
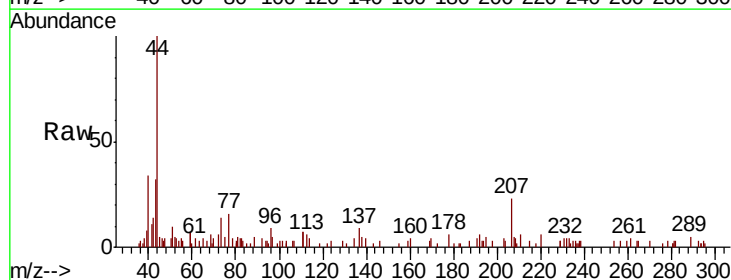
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

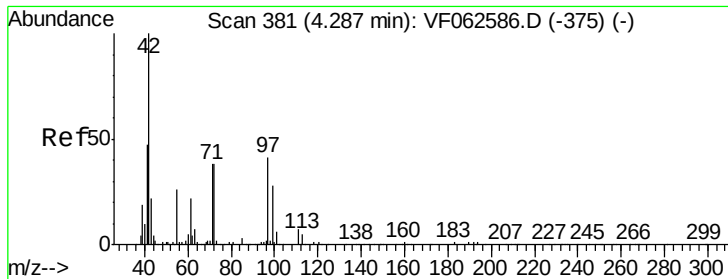
Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
74 14.8 21.4 32.0#



#25
2-Butanone
Concen: 2.500 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
72 18.9 18.5 27.7





#29

Tetrahydrofuran

Concen: 4.227 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

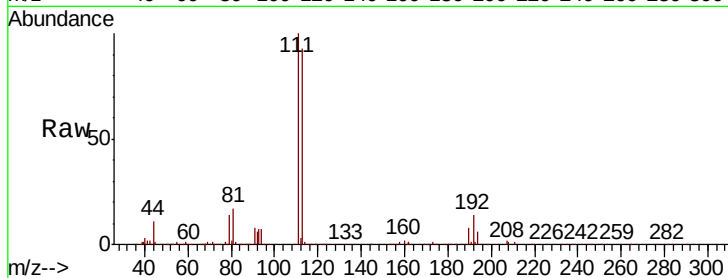
Tgt Ion: 42 Resp: 4321

Ion Ratio Lower Upper

42 100

72 16.3 34.0 51.0#

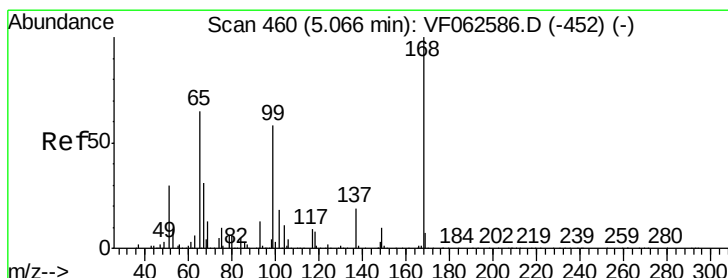
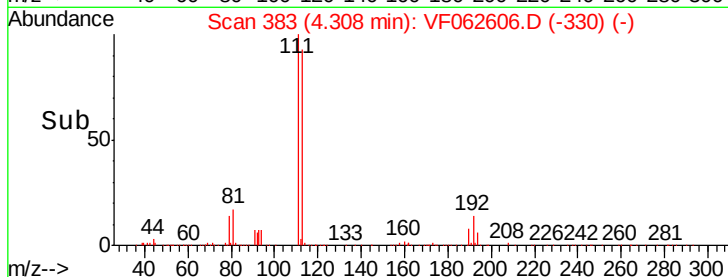
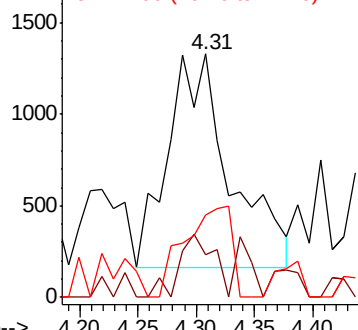
71 0.0 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 37.920 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062606.D

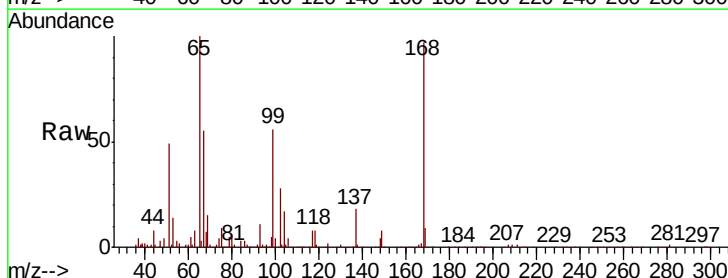
Acq: 15 May 2019 13:59

Tgt Ion: 65 Resp: 199673

Ion Ratio Lower Upper

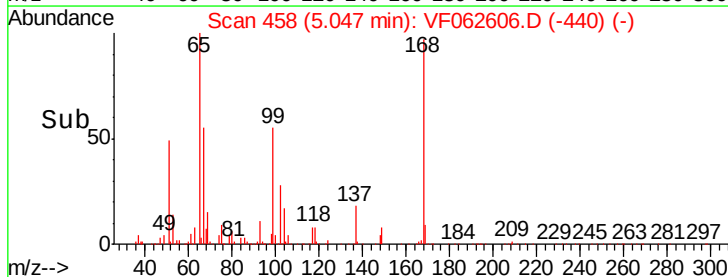
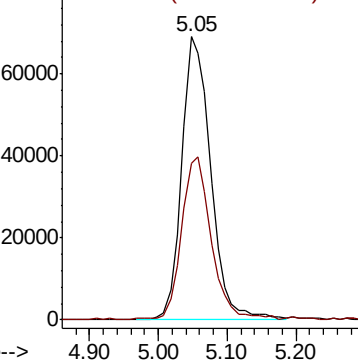
65 100

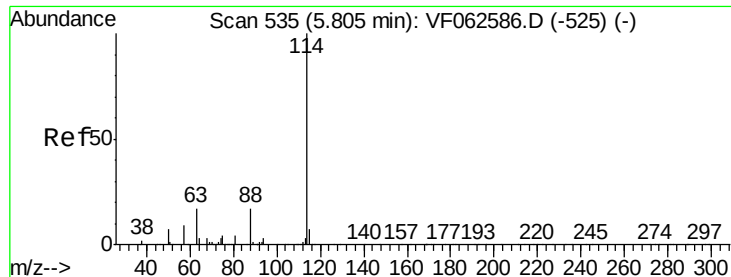
67 55.4 0.0 116.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

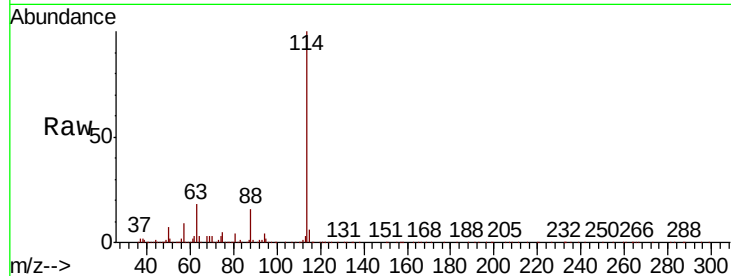
Tgt Ion:114 Resp: 1184525

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.6

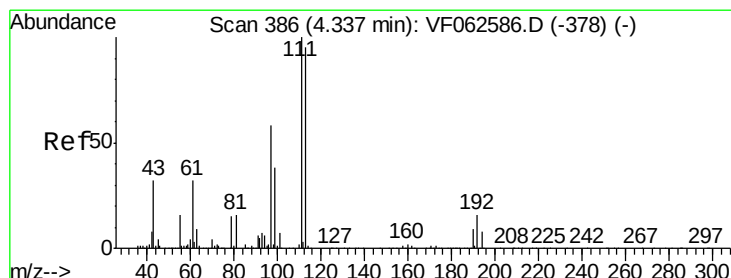
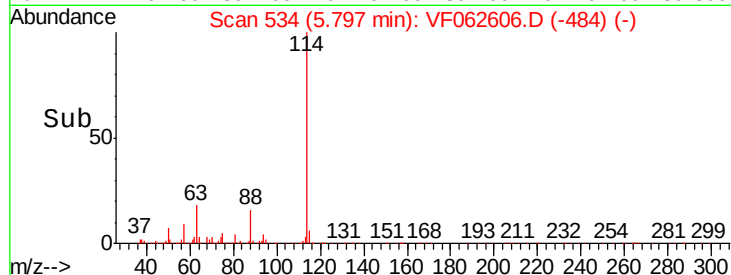
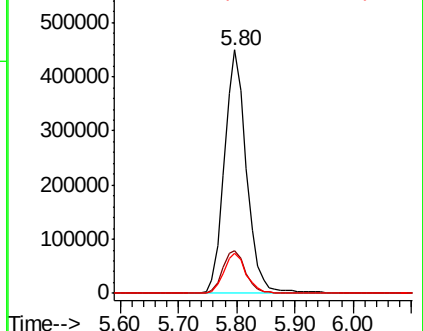
88 16.3 0.0 33.6



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: 41.190 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

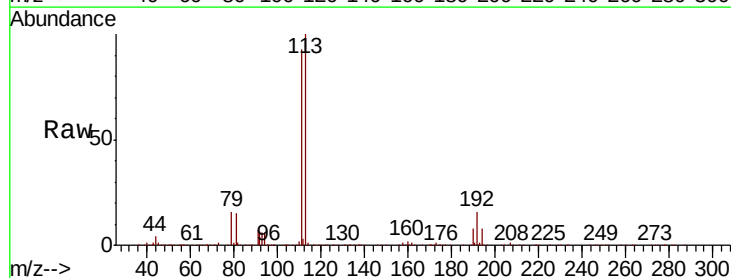
Tgt Ion:113 Resp: 363141

Ion Ratio Lower Upper

113 100

111 92.6 83.9 125.9

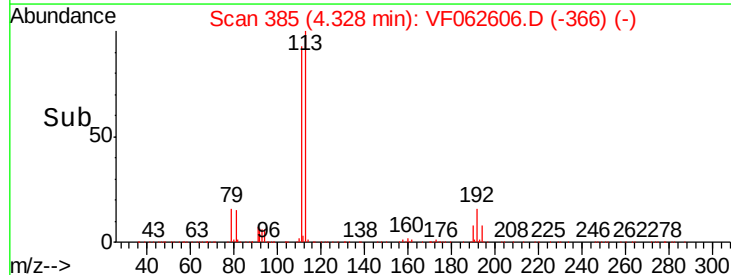
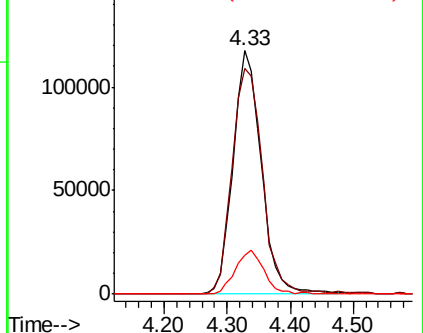
192 16.2 13.7 20.5

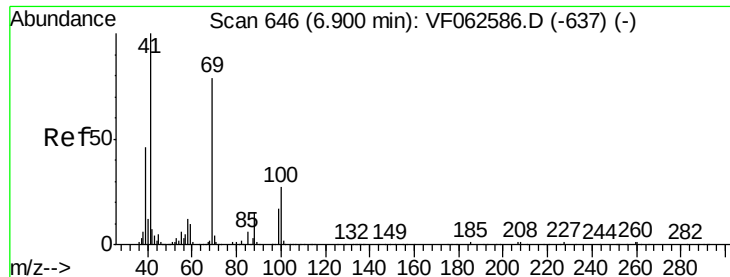


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

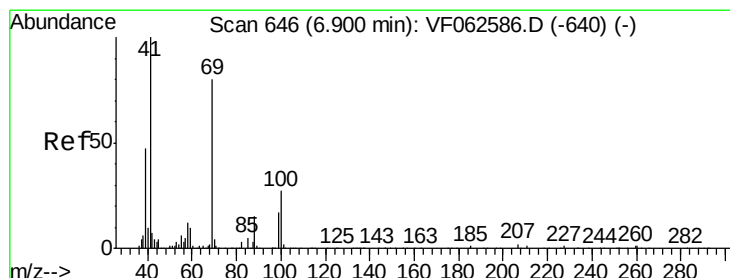
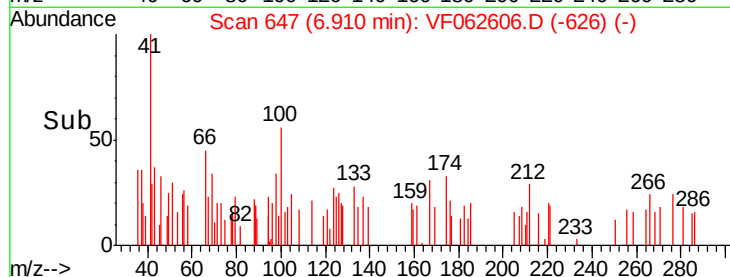
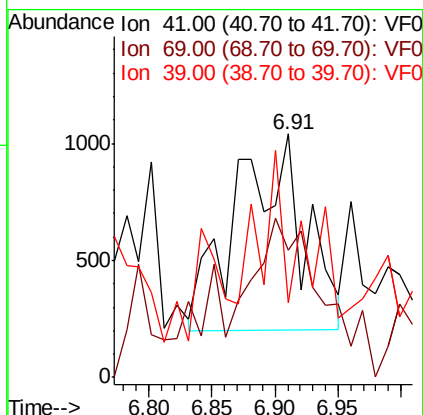
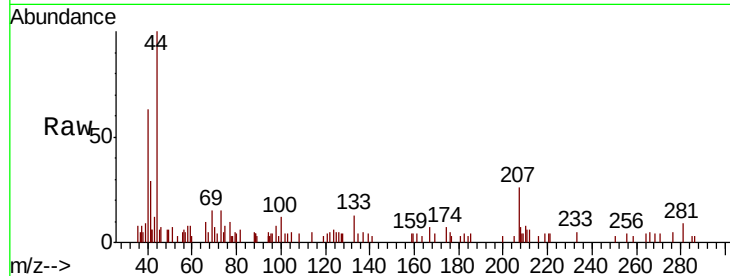




#48
Methyl methacrylate
Concen: 1.147 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

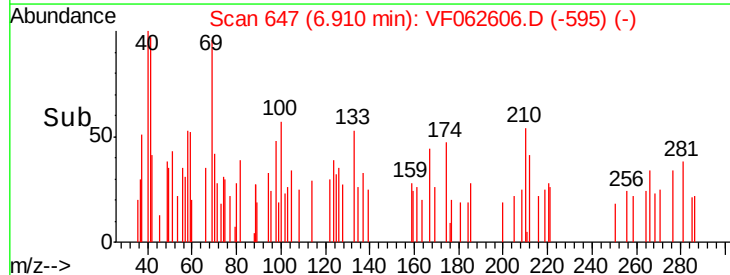
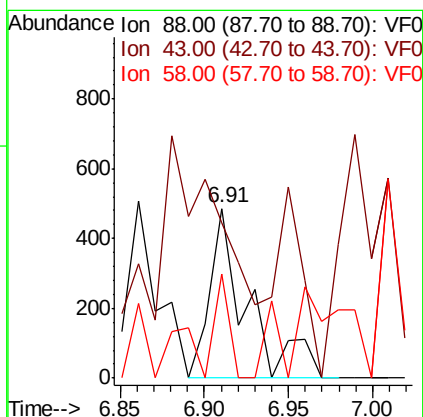
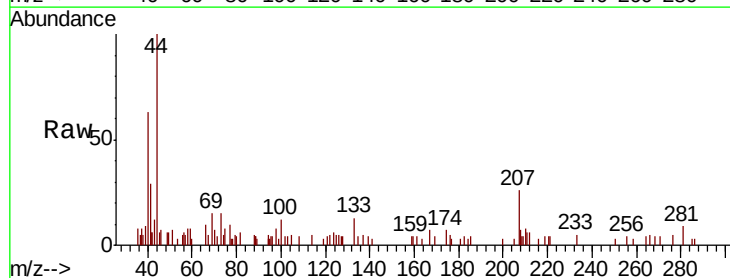
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

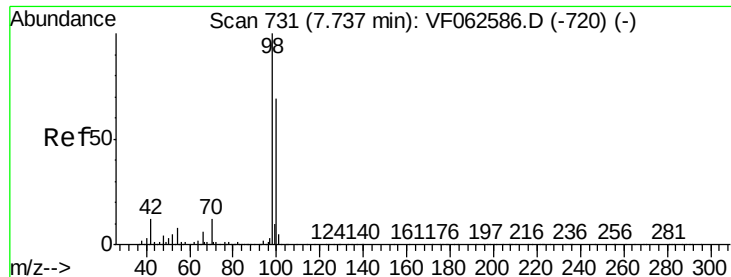
Tgt Ion: 41 Resp: 3130
Ion Ratio Lower Upper
41 100
69 52.4 63.0 94.6#
39 30.8 37.6 56.4#



#49
1,4-Dioxane
Concen: 20.778 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion: 88 Resp: 747
Ion Ratio Lower Upper
88 100
43 91.4 28.8 43.2#
58 61.7 60.6 90.8

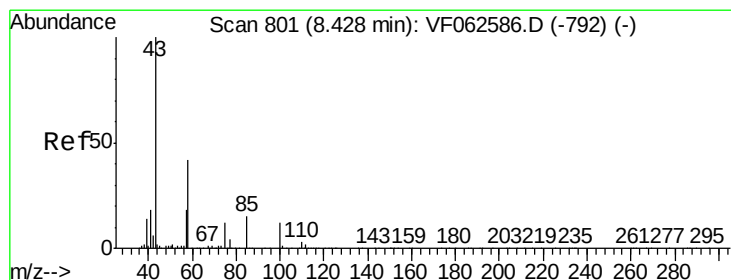
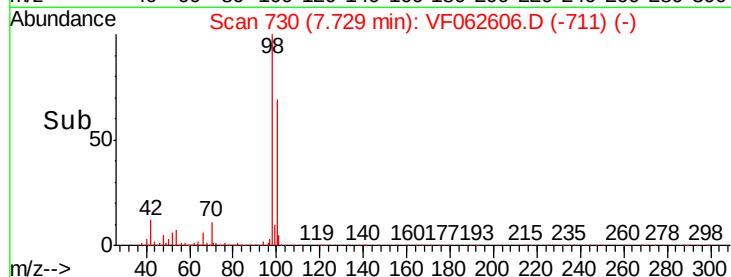
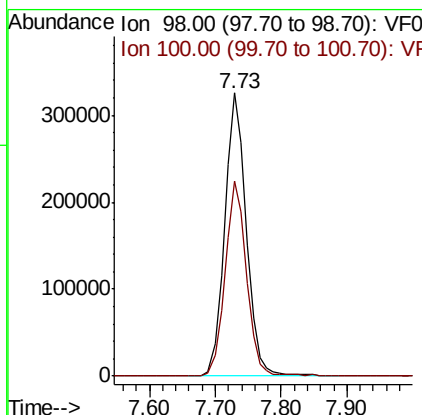
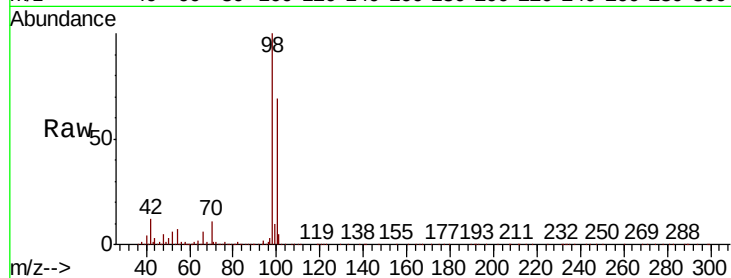




#50
Toluene-d8
Concen: 36.135 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

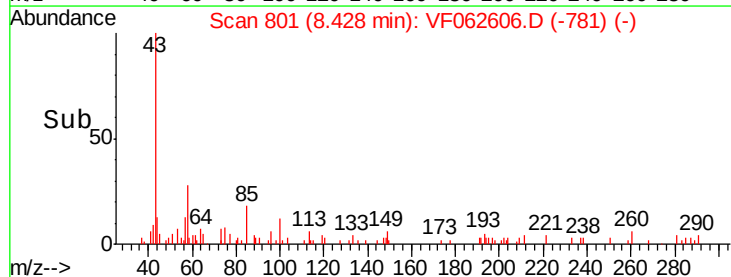
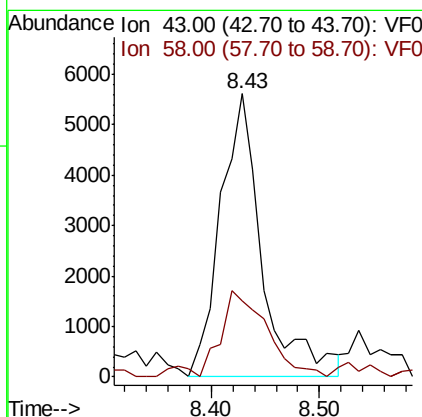
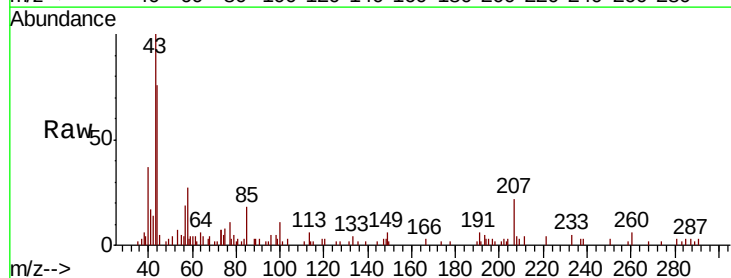
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

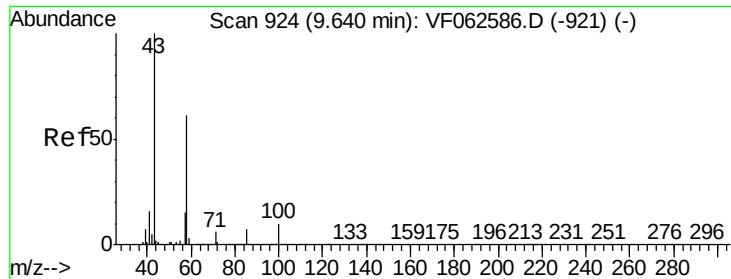
Tgt Ion: 98 Resp: 750693
Ion Ratio Lower Upper
98 100
100 68.9 55.4 83.0



#51
4-Methyl-2-Pentanone
Concen: 4.143 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion: 43 Resp: 15129
Ion Ratio Lower Upper
43 100
58 26.9 33.6 50.4#

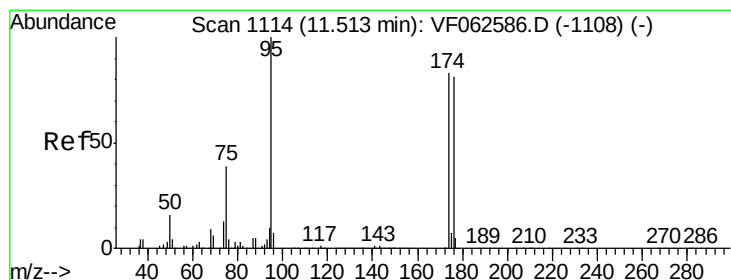
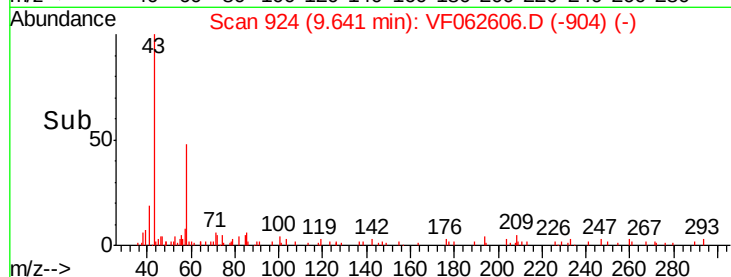
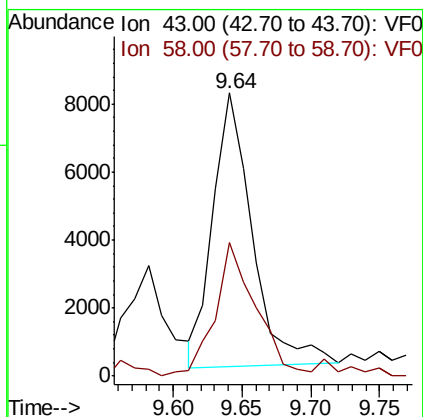
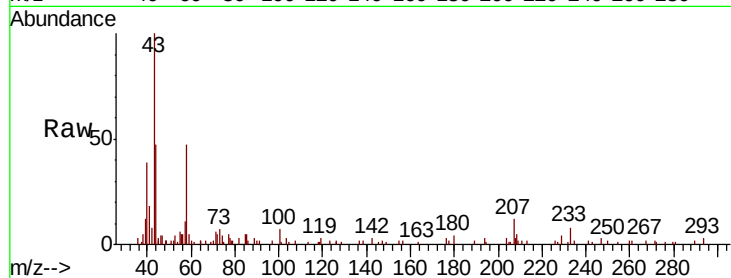




#59
2-Hexanone
Concen: 6.612 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

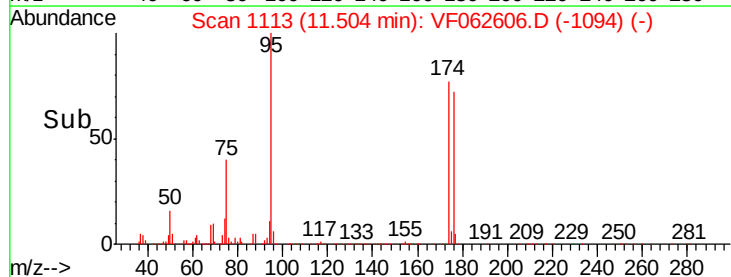
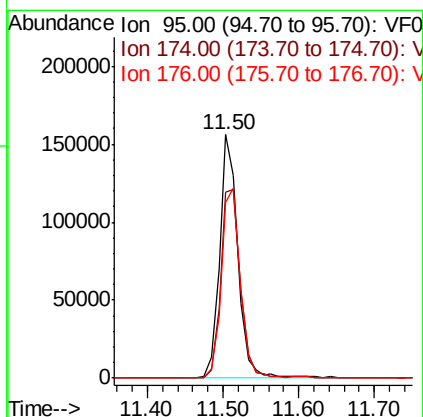
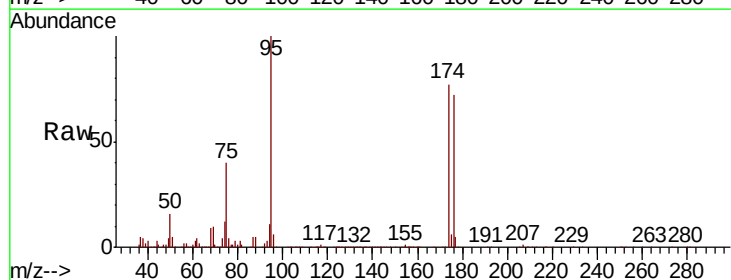
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

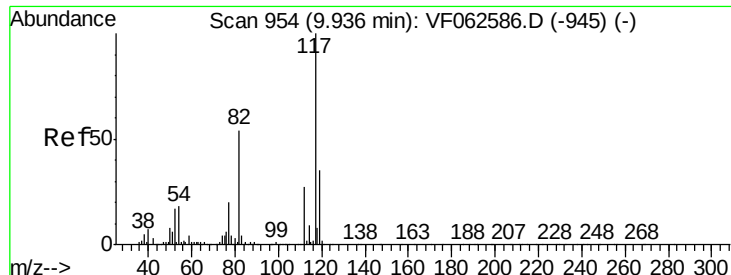
Tgt Ion: 43 Resp: 15949
Ion Ratio Lower Upper
43 100
58 47.4 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 36.485 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion: 95 Resp: 264709
Ion Ratio Lower Upper
95 100
174 76.6 0.0 166.6
176 72.0 0.0 161.8

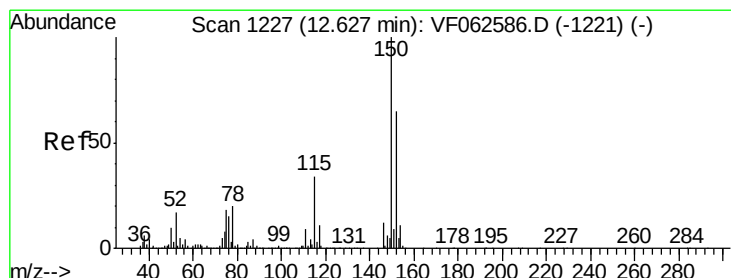
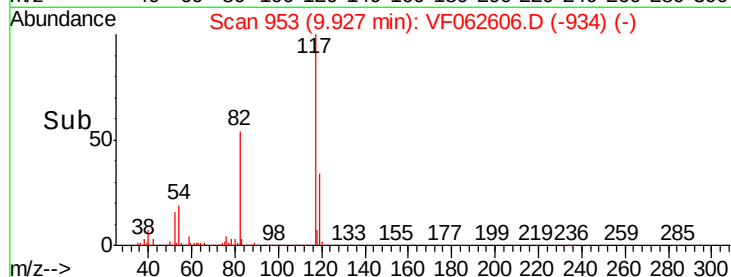
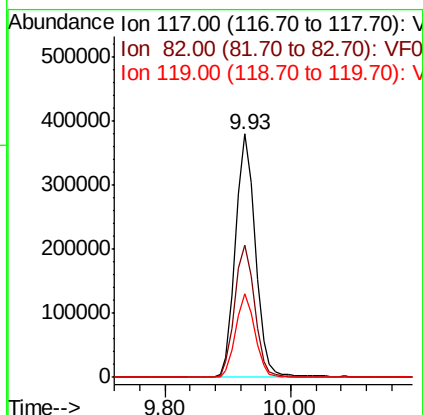
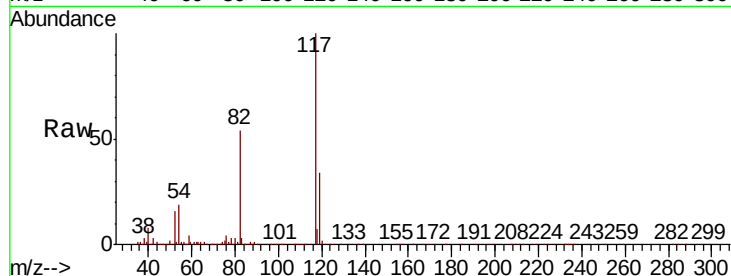




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

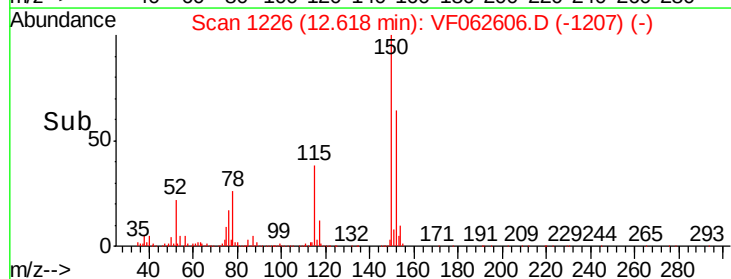
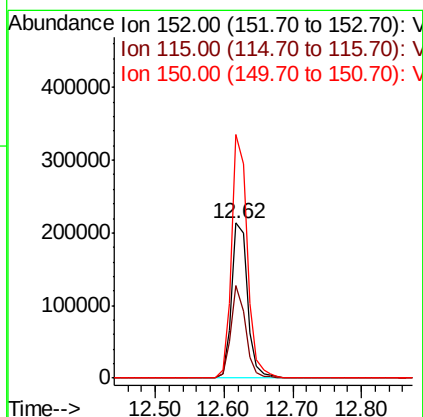
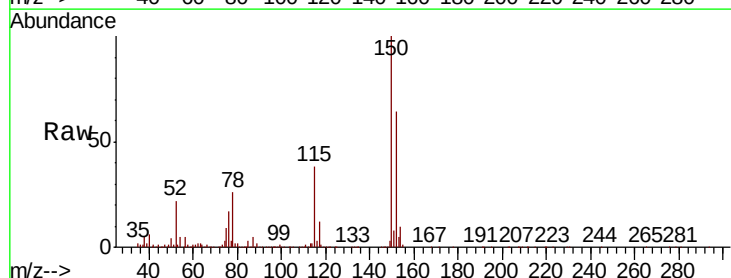
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

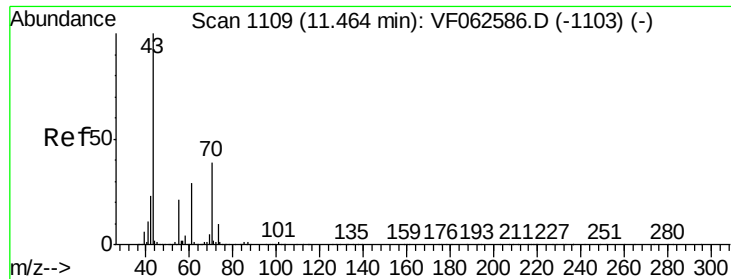
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.0
119	34.1	27.7	41.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF062606.D
Acq: 15 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	26.2	78.6
150	156.9	0.0	316.0





#74

N-ethyl acetate

Concen: 2.968 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

Tgt Ion: 43 Resp: 16600

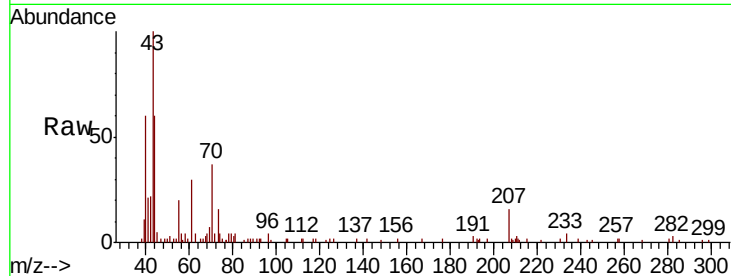
Ion Ratio Lower Upper

43 100

70 36.5 31.0 46.4

55 20.3 16.7 25.1

61 30.3 23.4 35.2



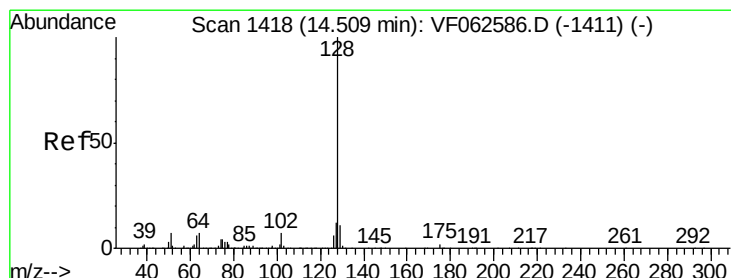
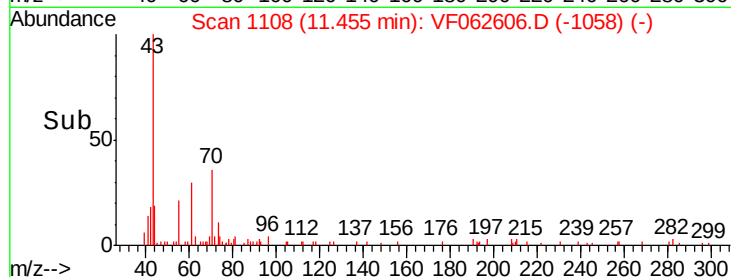
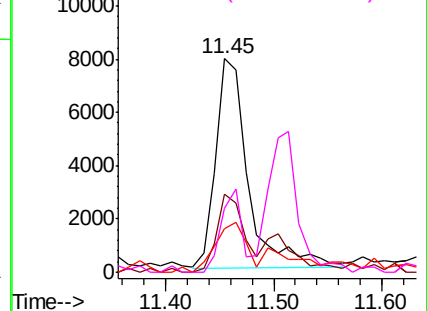
Abundance

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: 1.587 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062606.D

Acq: 15 May 2019 13:59

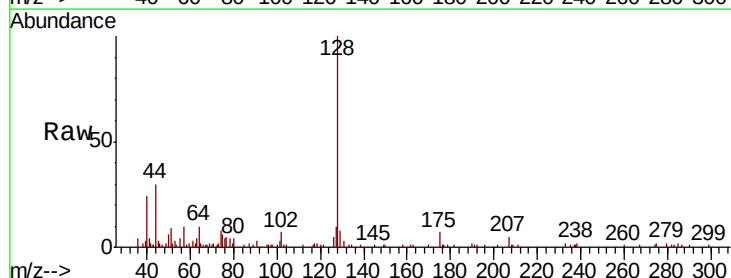
Tgt Ion: 128 Resp: 16217

Ion Ratio Lower Upper

128 100

127 10.1 9.5 14.3

129 8.0 8.6 13.0#



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

