

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060377.D
 Acq On : 28 Sep 2018 19:54
 Operator : VA/AP
 Sample : JJ5154-02
 Misc : 5.05/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Sep 29 00:18:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	232816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	427626	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	234454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	40078	50.00	ug/l	0.00

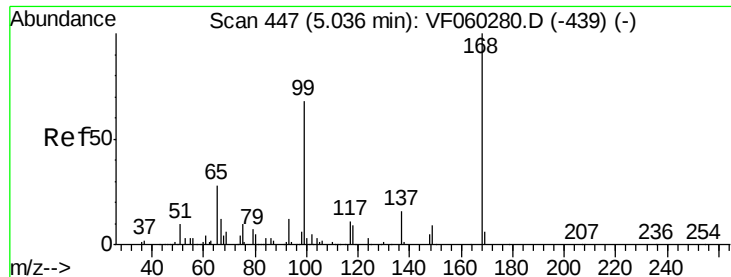
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	209372	66.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.58%	
35) Dibromofluoromethane	4.28	113	232277	60.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.86%	
50) Toluene-d8	7.70	98	373673	37.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.28%	
62) 4-Bromofluorobenzene	11.50	95	97793	22.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	105	Below Cal	#	40
5) Bromomethane	1.42	94	592	Below Cal		92
11) Tert butyl alcohol	2.68	59	483	Below Cal	#	1
13) Acrolein	2.07	56	1288	Below Cal		82
15) Acrylonitrile	3.09	53	788	1.780	ug/l #	36
16) Acetone	2.34	43	2645	2.996	ug/l	92
17) Carbon Disulfide	1.89	76	447	Below Cal	#	70
18) Methyl Acetate	2.36	43	2081	1.415	ug/l	95
20) Methylene Chloride	2.28	84	8095	Below Cal	#	58
25) 2-Butanone	4.48	43	1634	1.375	ug/l #	56
29) Tetrahydrofuran	4.24	42	2127	4.888	ug/l #	53
49) 1,4-Dioxane	6.87	88	126	7.394	ug/l #	20
51) 4-Methyl-2-Pentanone	8.40	43	4231	2.020	ug/l	92
59) 2-Hexanone	9.63	43	4721	3.166	ug/l	92
68) m/p-Xylenes	10.26	106	4082	1.203	ug/l	96
69) o-Xylene	10.81	106	3977	1.045	ug/l	43
74) N-amyl acetate	11.45	43	2099	2.736	ug/l #	20
75) 1,1,2,2-Tetrachloroethane	11.75	83	3450	5.411	ug/l #	1
76) 1,2,3-Trichloropropane	11.91	75	768	1.682	ug/l #	1
78) n-propylbenzene	11.68	91	11293	Below Cal		93
79) 2-Chlorotoluene	11.80	91	7099	2.925	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.90	105	41038	14.170	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	117643	40.002	ug/l	99
85) sec-Butylbenzene	12.38	105	12686	Below Cal		81
86) p-Isopropyltoluene	12.50	119	26434	2.084	ug/l	85
89) n-Butylbenzene	12.90	91	19043	1.835	ug/l #	42
90) Hexachloroethane	13.00	117	916	1.115	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.70	75	167	1.395	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.25	180	4287	4.267	ug/l #	25
95) Naphthalene	14.52	128	2163627	1228.375	ug/l	98
96) 1,2,3-Trichlorobenzene	14.70	180	18512	19.942	ug/l #	28

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060377.D

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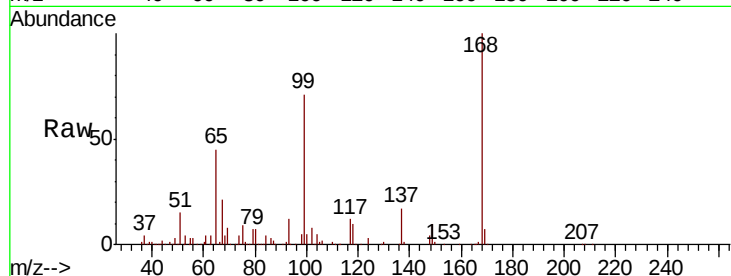
OILY-STONES

Tot Ion:168 Resp: 232816

Ion Ratio Lower Upper

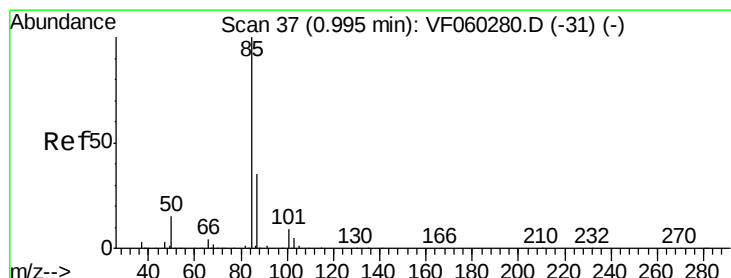
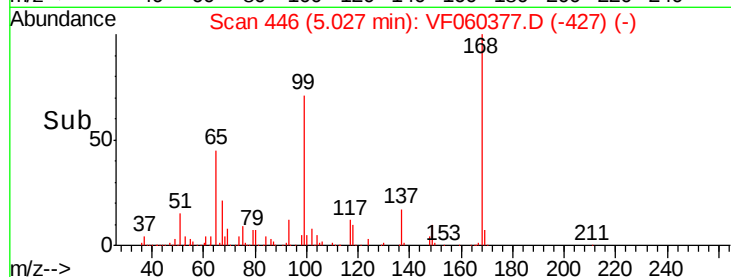
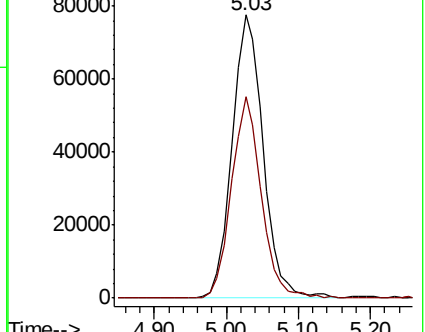
168 100

99 71.2 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060377.D

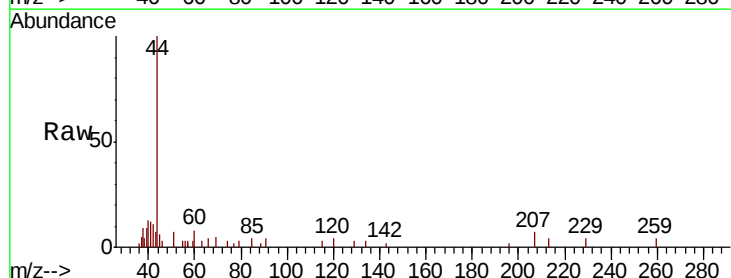
Acq: 28 Sep 2018 19:54

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

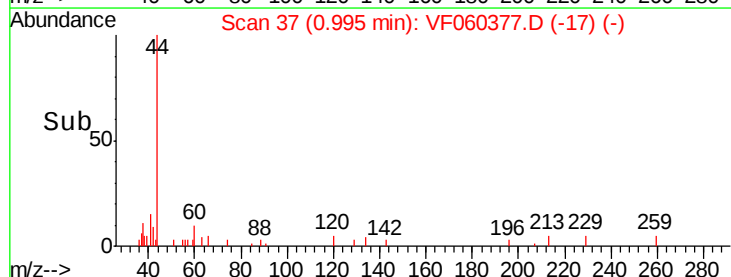
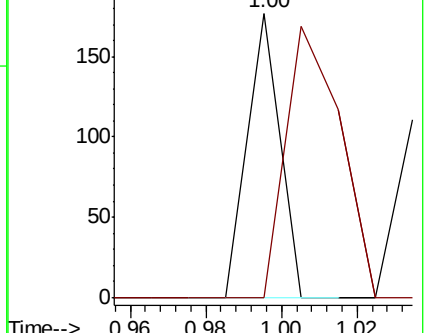
85 100

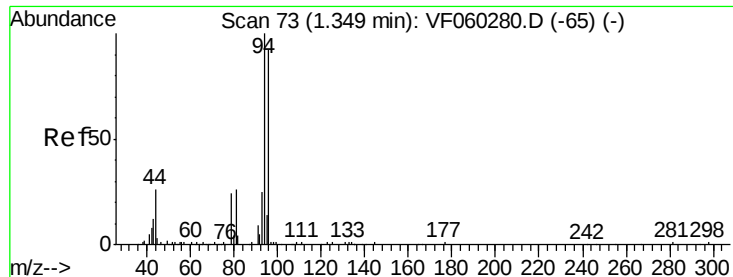
87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 80

Delta R.T. 0.07 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

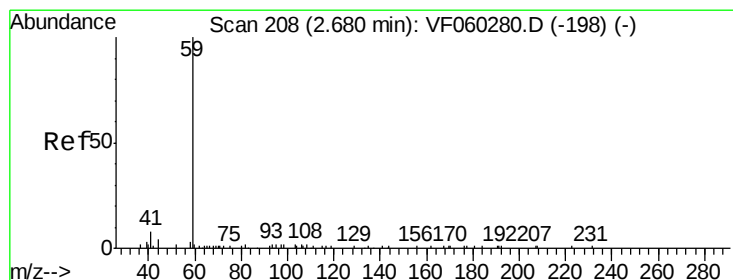
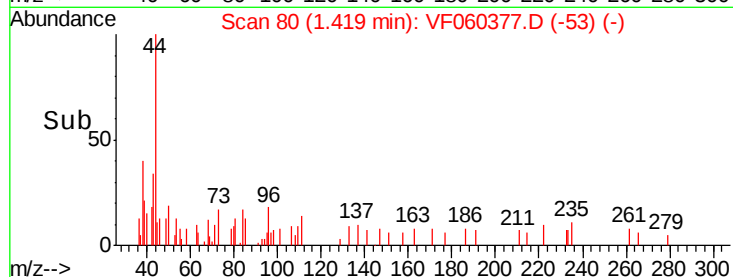
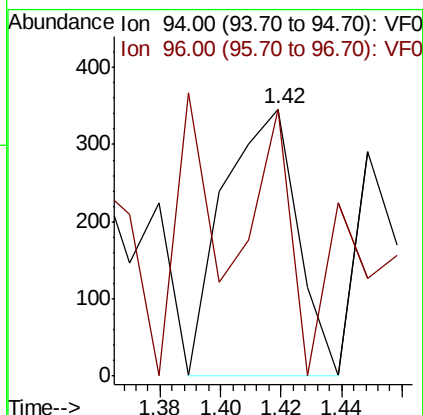
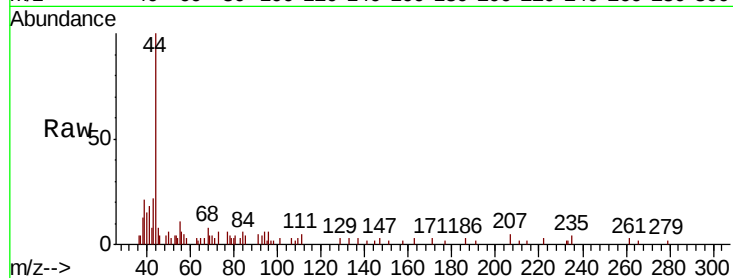
OILY-STONES

Tot Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 100.0 73.9 110.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.68 min Scan# 208

Delta R.T. 0.00 min

Lab File: VF060377.D

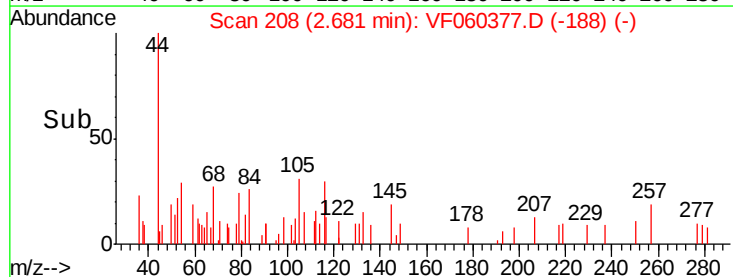
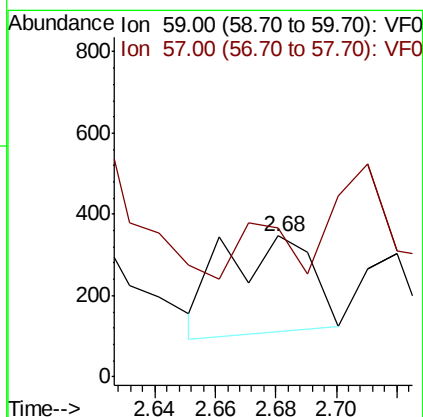
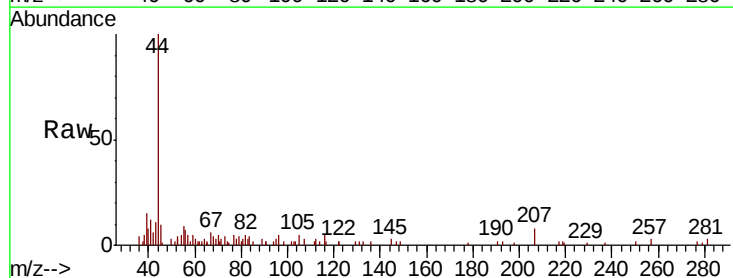
Acq: 28 Sep 2018 19:54

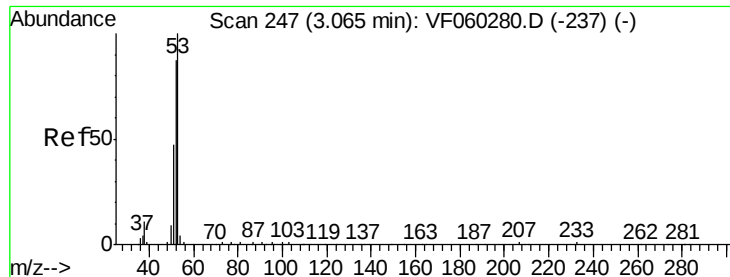
Tgt Ion: 59 Resp: 483

Ion Ratio Lower Upper

59 100

57 105.5 12.4 18.6#





#15

Acrylonitrile

Concen: 1.780 ug/l

RT: 3.09 min Scan# 250

Delta R.T. 0.03 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

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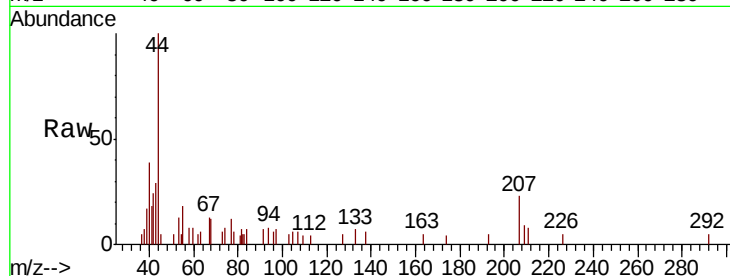
Tot Ion: 53 Resp: 788

Ion Ratio Lower Upper

53 100

52 0.0 69.5 104.3#

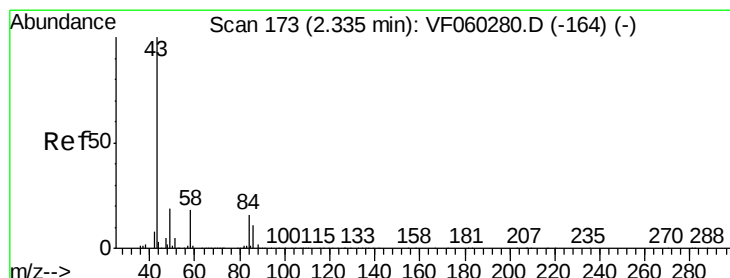
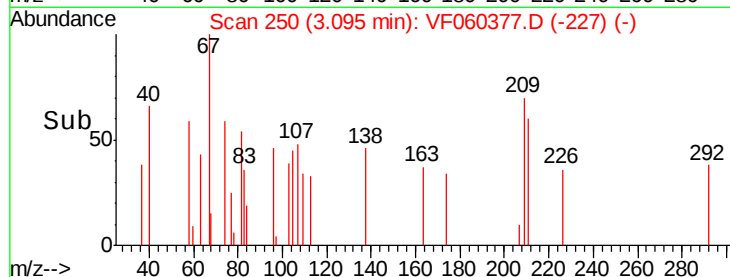
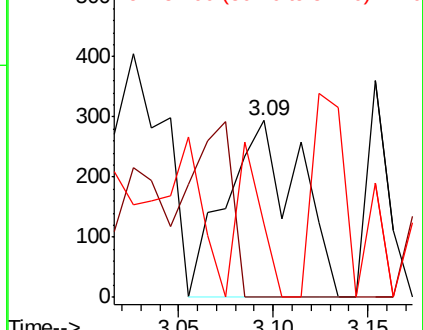
51 41.5 38.1 57.1



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: 2.996 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060377.D

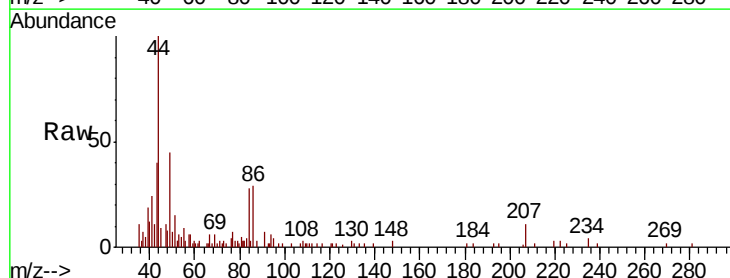
Acq: 28 Sep 2018 19:54

Tgt Ion: 43 Resp: 2645

Ion Ratio Lower Upper

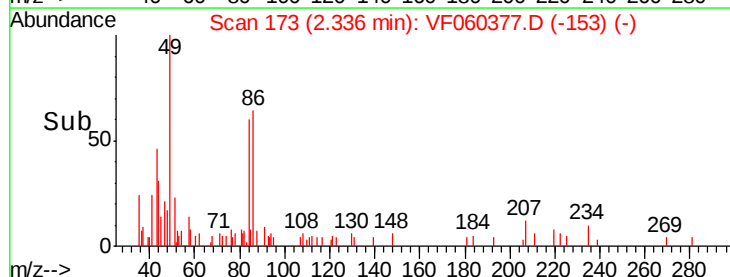
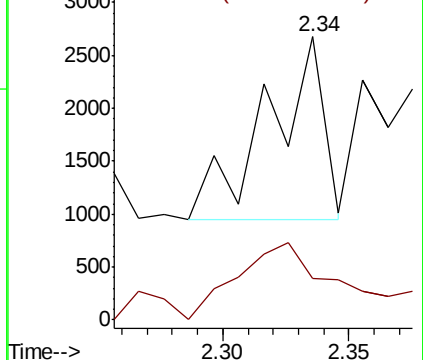
43 100

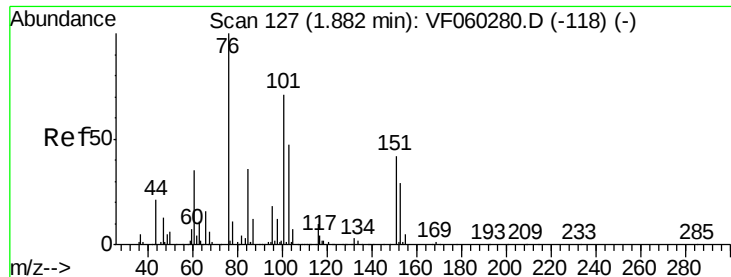
58 14.7 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.89 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

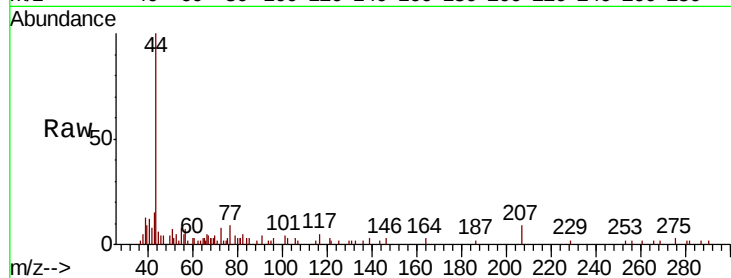
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Tot Ion: 76 Resp: 447

Ion Ratio Lower Upper

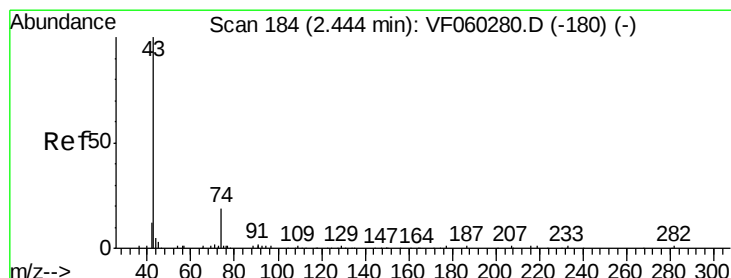
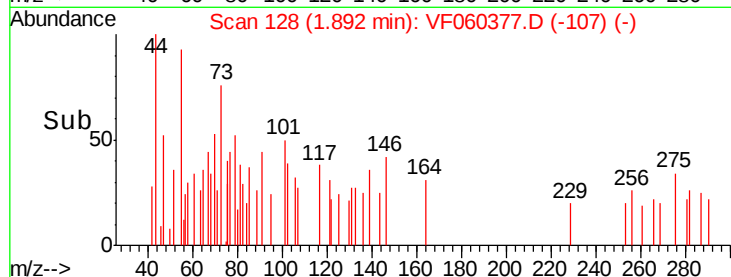
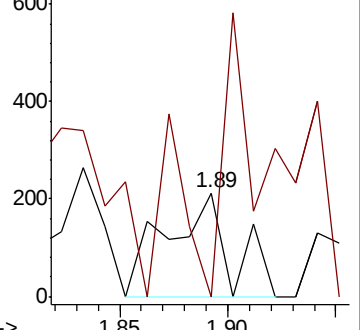
76 100

78 0.0 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1.415 ug/l

RT: 2.36 min Scan# 175

Delta R.T. -0.09 min

Lab File: VF060377.D

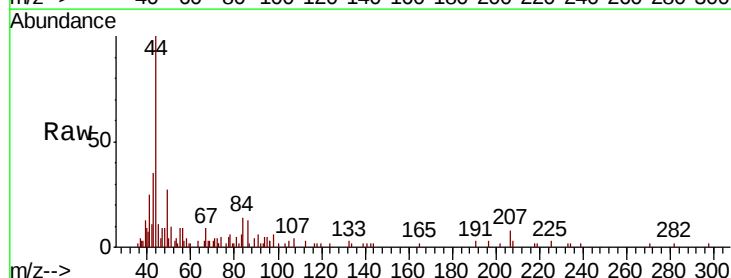
Acq: 28 Sep 2018 19:54

Tgt Ion: 43 Resp: 2081

Ion Ratio Lower Upper

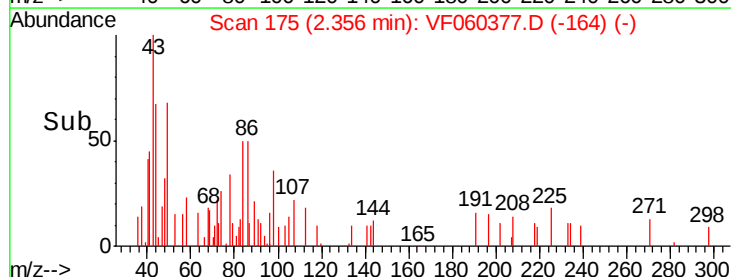
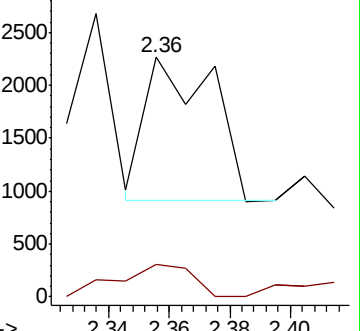
43 100

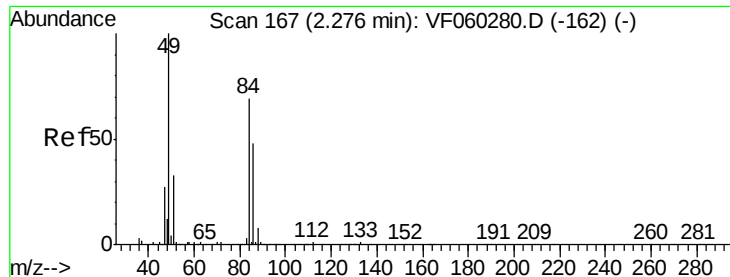
74 13.7 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

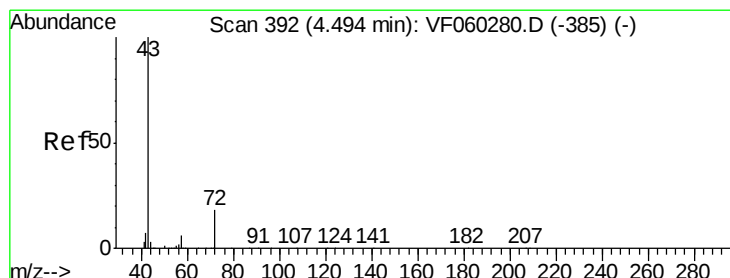
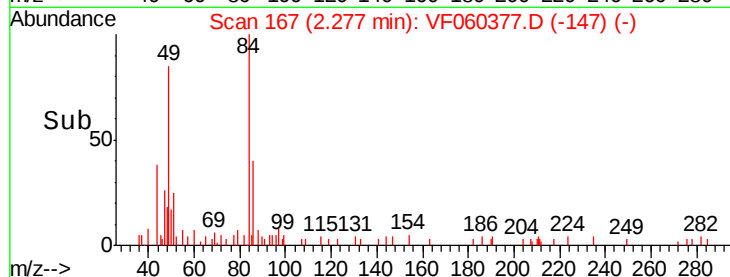
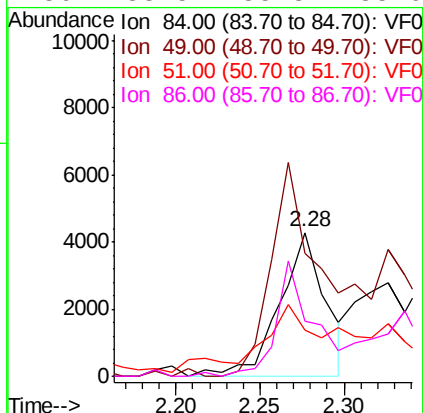
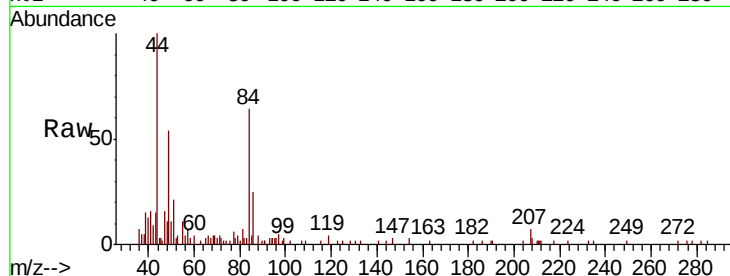




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

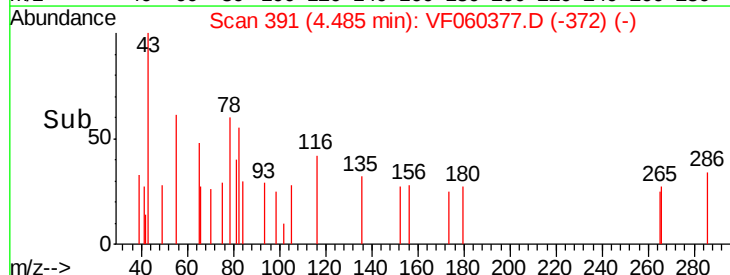
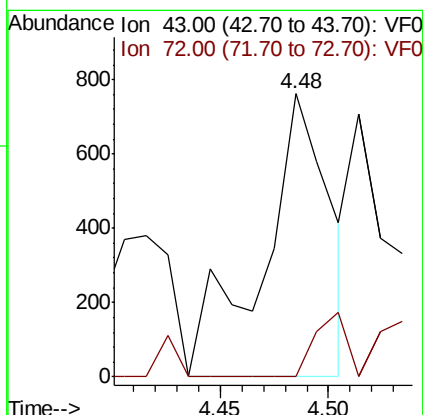
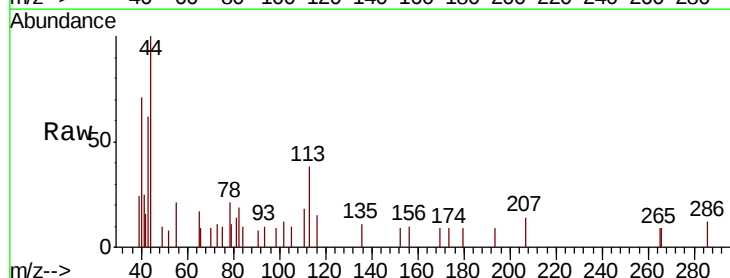
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

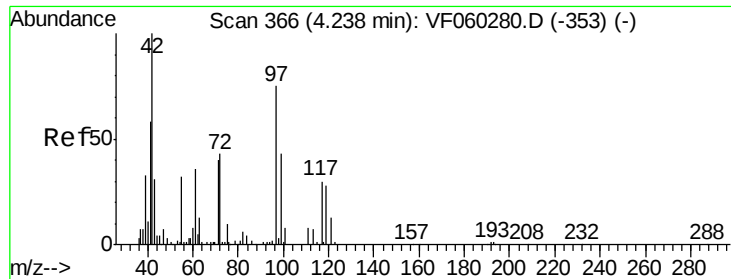
Tot Ion:	84	Resp:	8095
Ion	Ratio	Lower	Upper
84	100		
49	85.1	118.3	177.5#
51	32.1	38.7	58.1#
86	38.5	55.8	83.6#



#25
2-Butanone
Concen: 1.375 ug/l
RT: 4.48 min Scan# 391
Delta R.T. -0.01 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

Tgt Ion:	43	Resp:	1634
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.2#





#29

Tetrahydrofuran

Concen: 4.888 ug/l

RT: 4.24 min Scan# 366

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

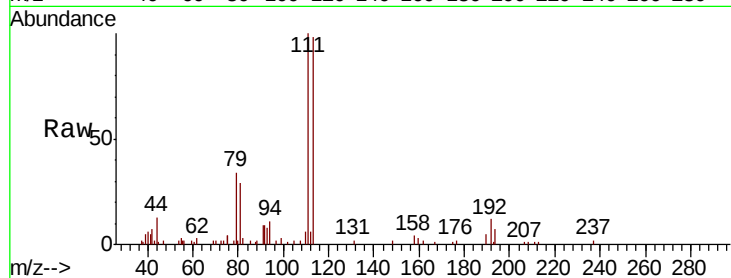
Tot Ion: 42 Resp: 2127

Ion Ratio Lower Upper

42 100

72 11.7 32.6 49.0#

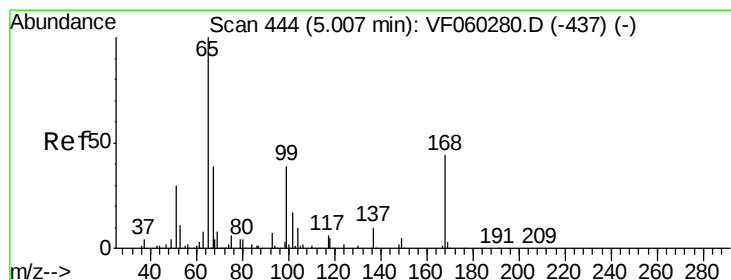
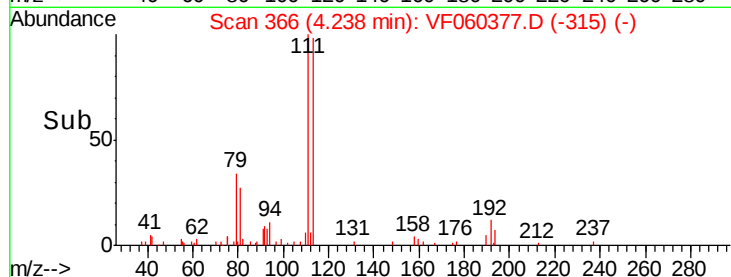
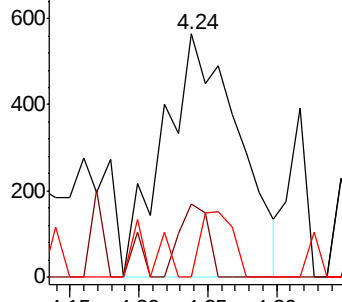
71 11.7 32.7 49.1#



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: 66.787 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060377.D

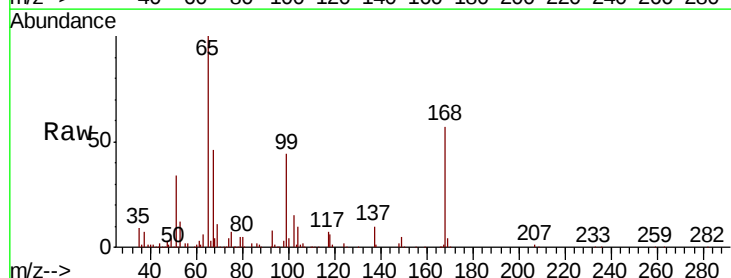
Acq: 28 Sep 2018 19:54

Tgt Ion: 65 Resp: 209372

Ion Ratio Lower Upper

65 100

67 46.4 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

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Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

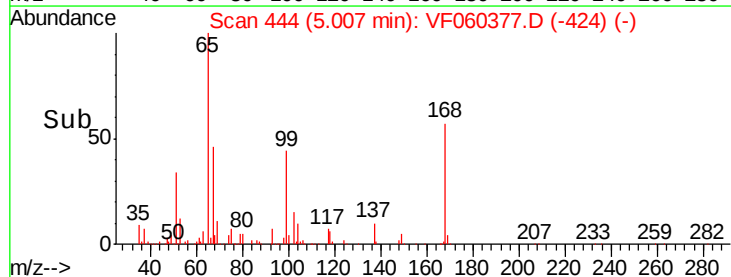
Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

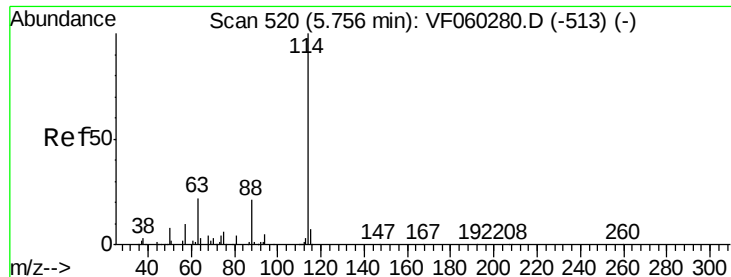
Ion 67.00 (66.70 to 67.70): VF0

Ion 67.00 (66.70 to 67.70): 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. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

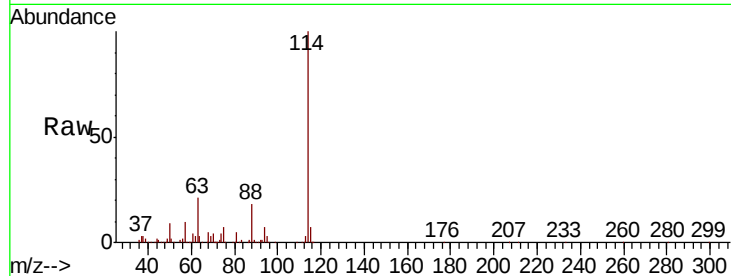
Tot Ion:114 Resp: 427626

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.8

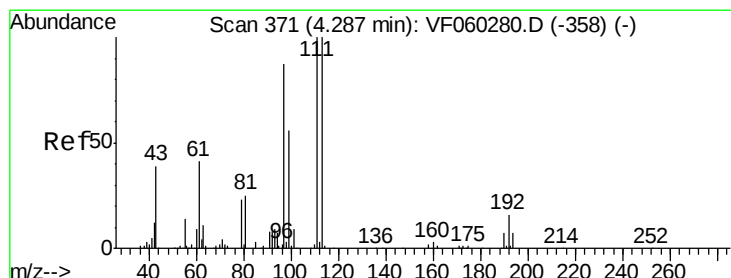
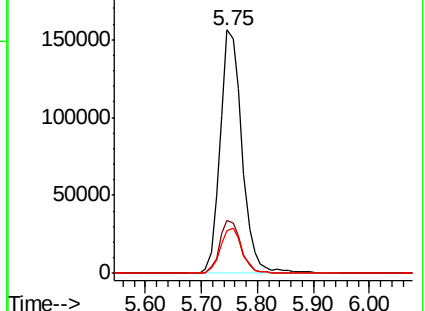
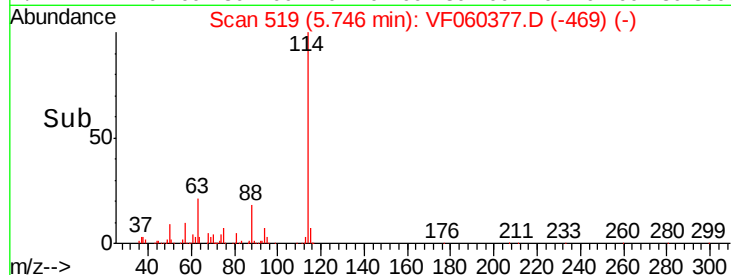
88 17.6 0.0 41.2



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: 60.934 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

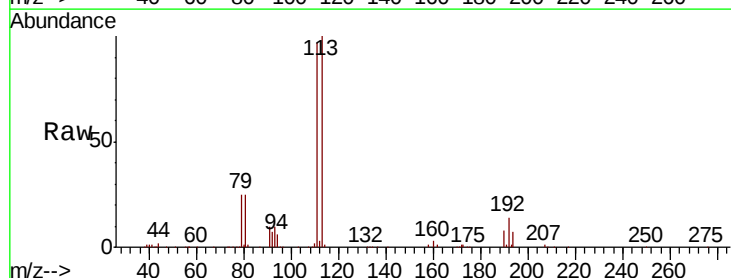
Tgt Ion:113 Resp: 232277

Ion Ratio Lower Upper

113 100

111 96.6 79.6 119.4

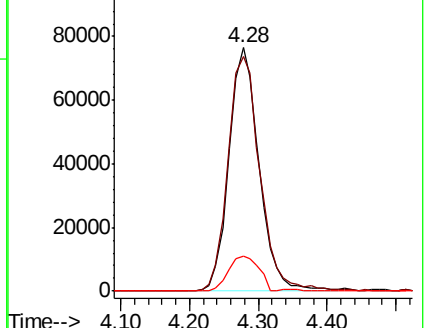
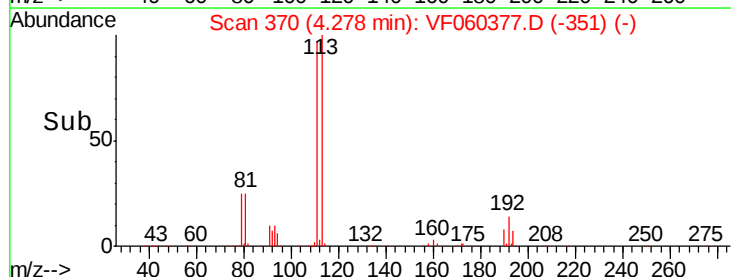
192 14.2 13.0 19.6

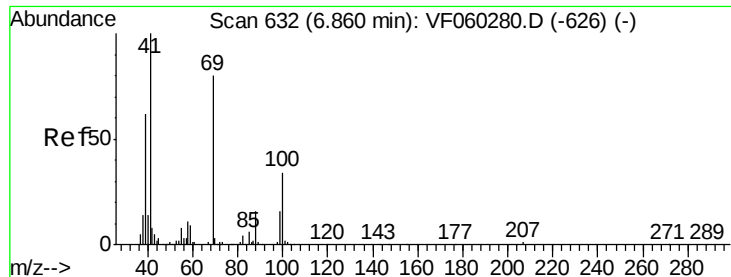


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

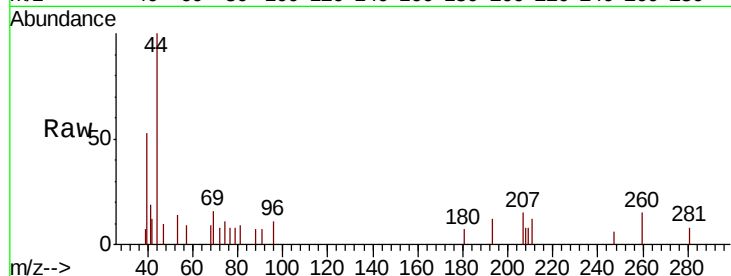




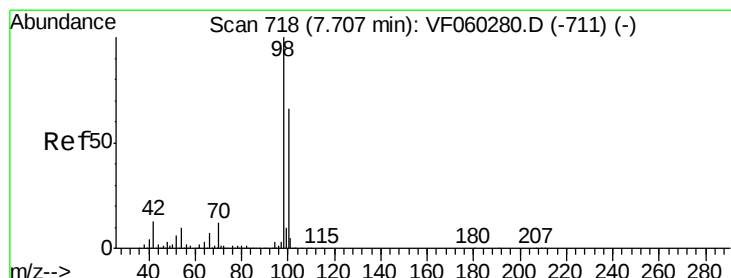
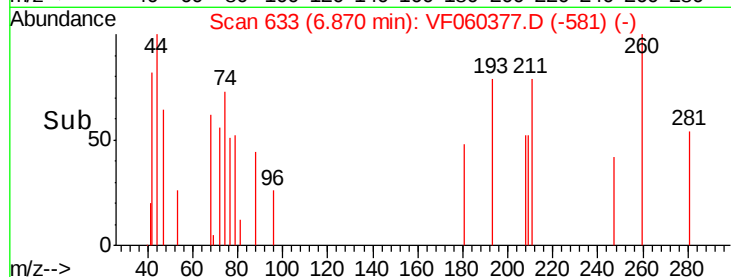
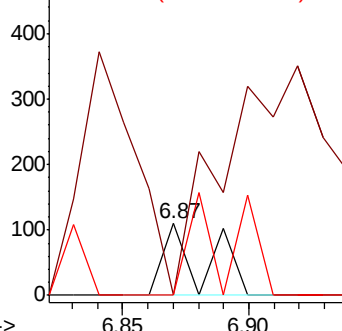
#49
1,4-Dioxane
Concen: 7.394 ug/l
RT: 6.87 min Scan# 633
Delta R.T. 0.01 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tot Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
43 0.0 40.2 60.4#
58 0.0 56.7 85.1#

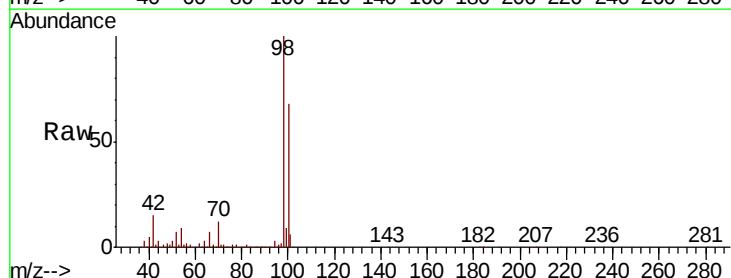


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

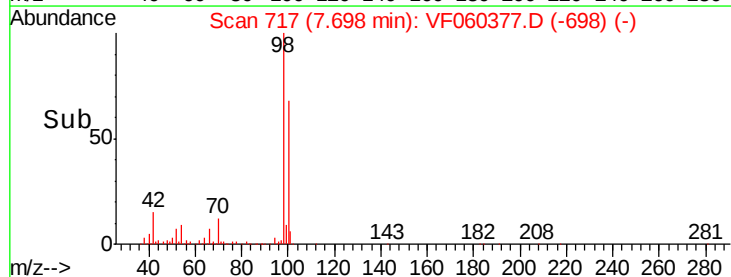
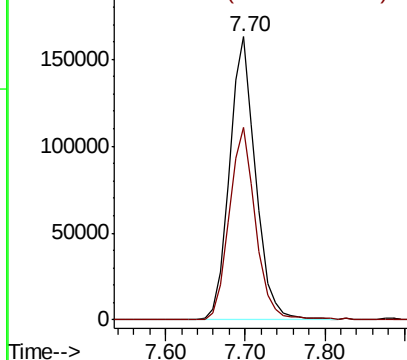


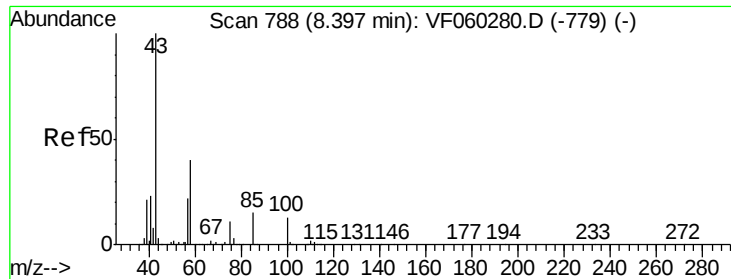
#50
Toluene-d8
Concen: 37.641 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

Tgt Ion: 98 Resp: 373673
Ion Ratio Lower Upper
98 100
100 68.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

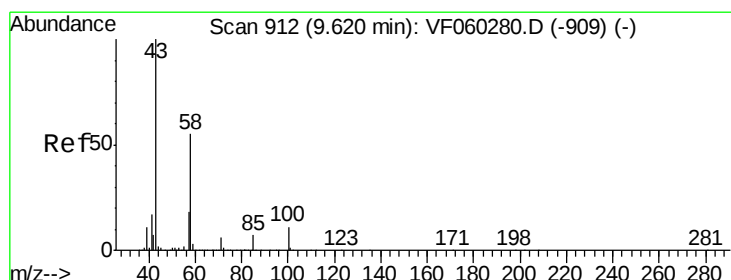
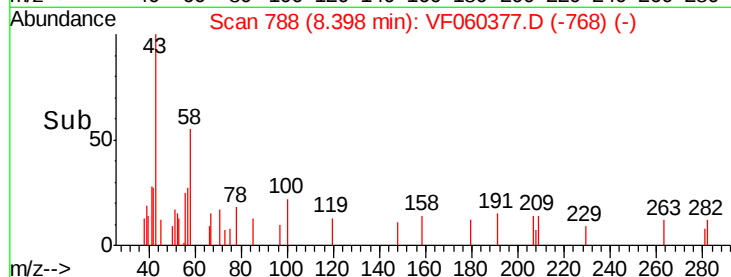
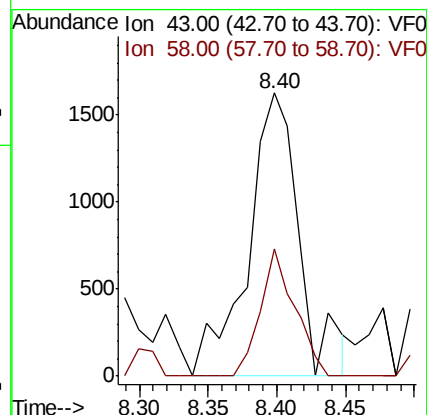
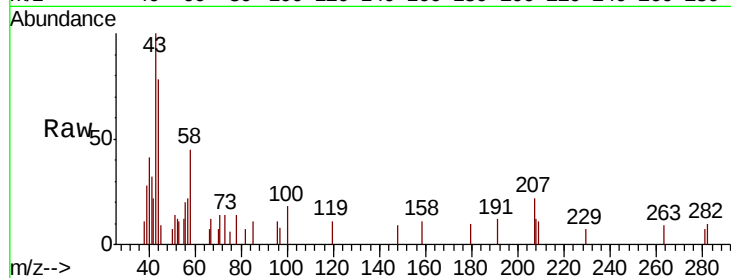




#51
4-Methyl-2-Pentanone
Concen: 2.020 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

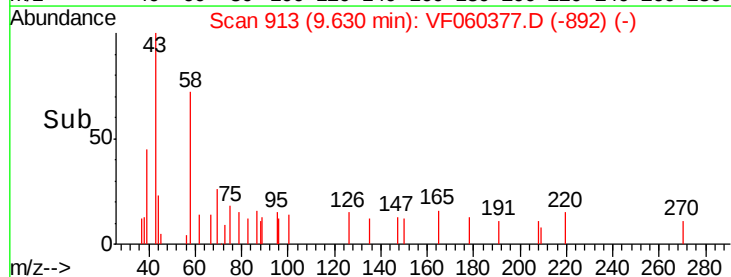
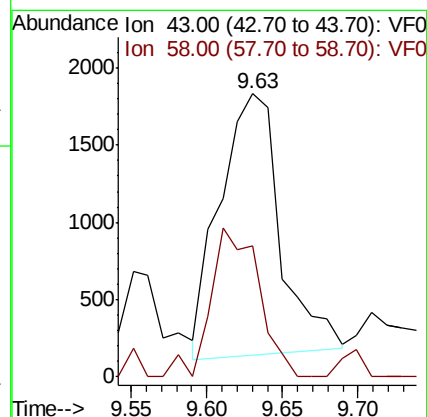
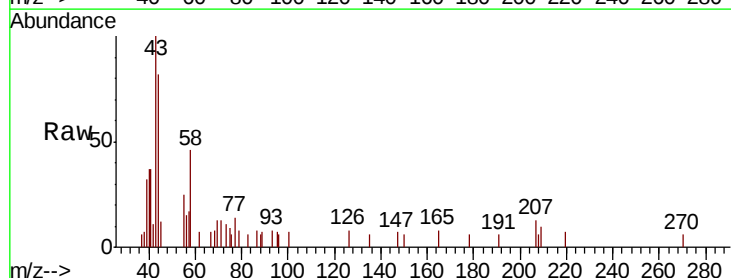
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

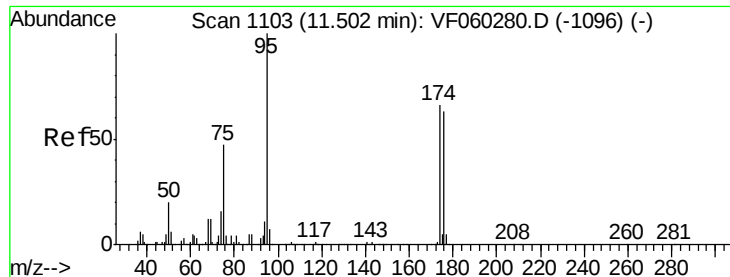
Tot Ion: 43 Resp: 4231
Ion Ratio Lower Upper
43 100
58 44.9 31.8 47.8



#59
2-Hexanone
Concen: 3.166 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060377.D
Acq: 28 Sep 2018 19:54

Tgt Ion: 43 Resp: 4721
Ion Ratio Lower Upper
43 100
58 46.2 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 22.789 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

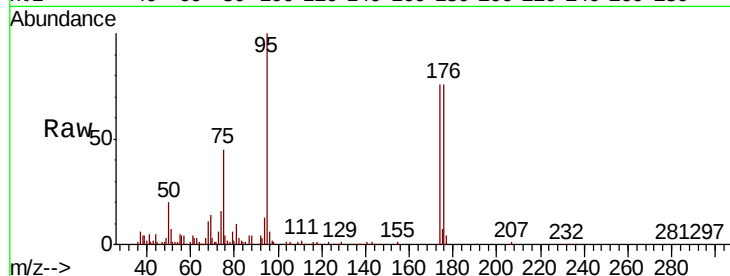
Tot Ion: 95 Resp: 97793

Ion Ratio Lower Upper

95 100

174 76.3 0.0 131.2

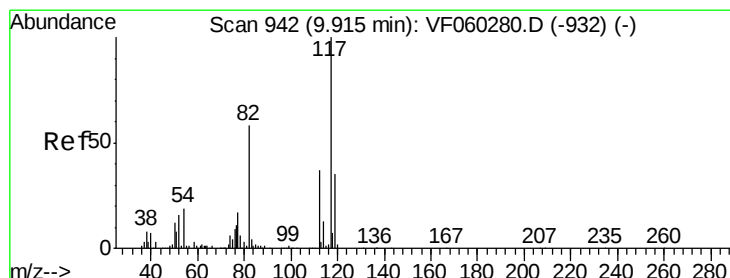
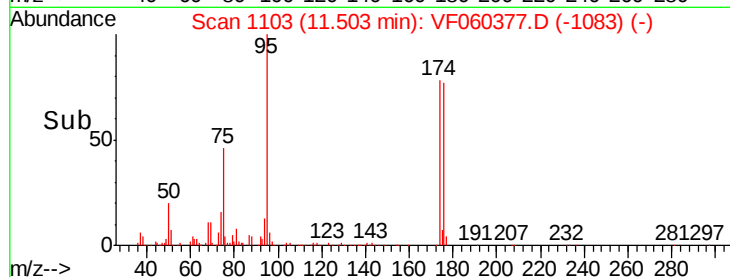
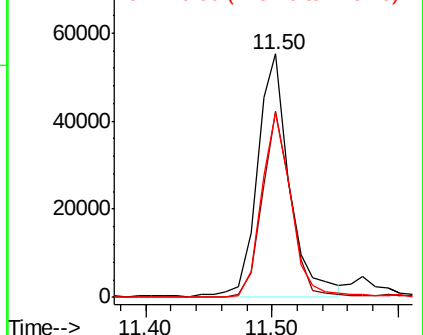
176 75.8 0.0 126.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

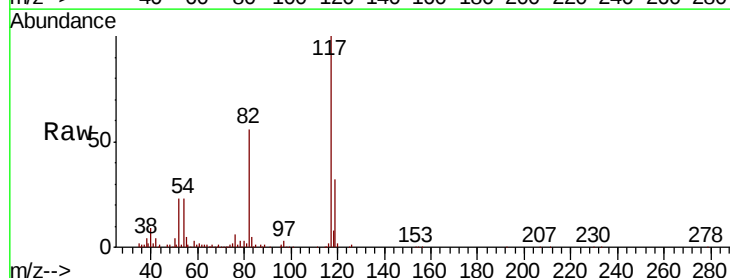
Tgt Ion: 117 Resp: 234454

Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.2

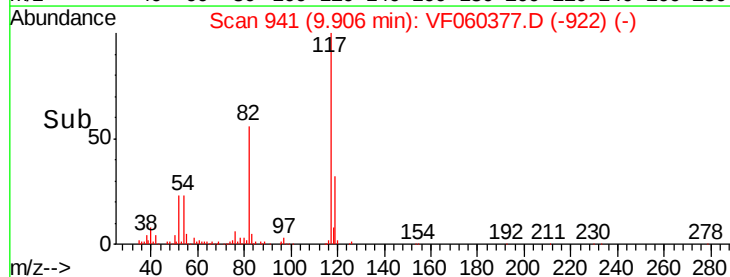
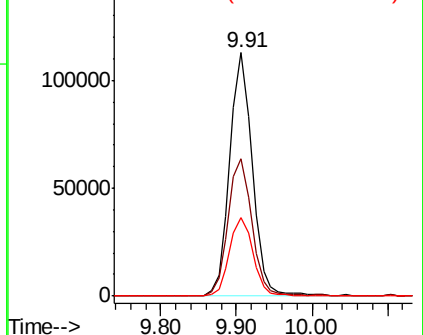
119 32.0 27.8 41.6

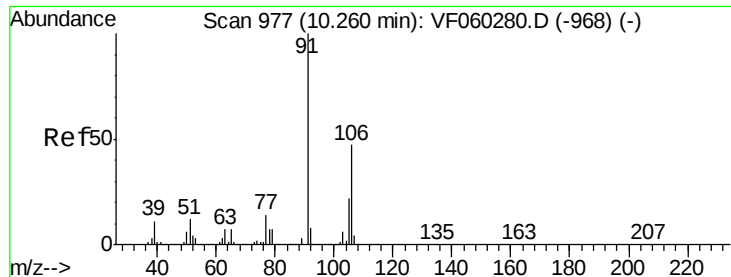


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#68

m/p-Xylenes

Concen: 1.203 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

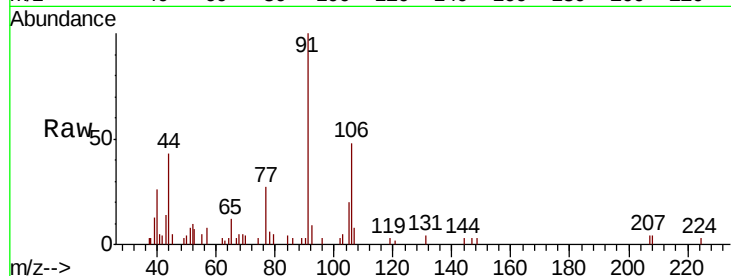
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tot Ion:106 Resp: 4082

Ion Ratio Lower Upper

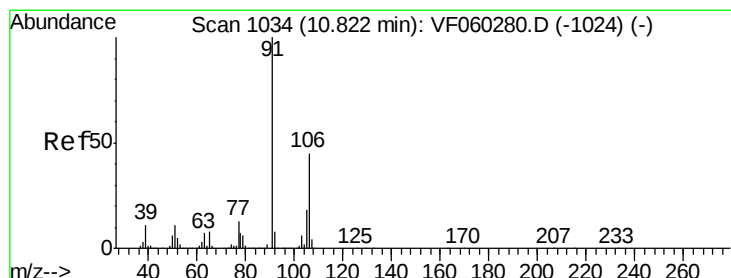
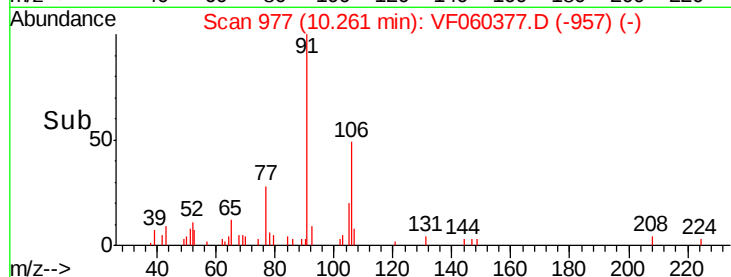
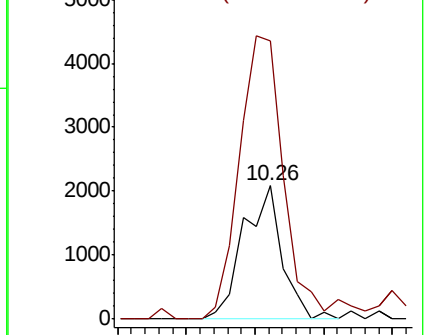
106 100

91 209.1 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.045 ug/l

RT: 10.81 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VF060377.D

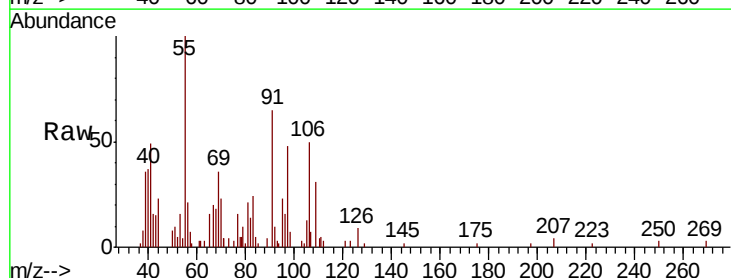
Acq: 28 Sep 2018 19:54

Tgt Ion:106 Resp: 3977

Ion Ratio Lower Upper

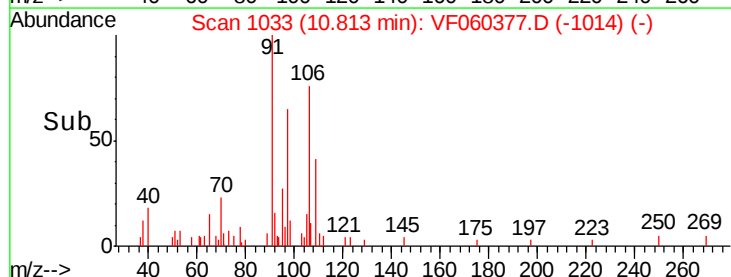
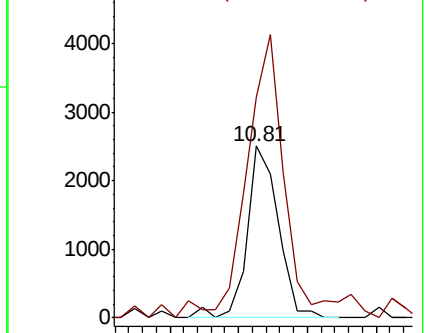
106 100

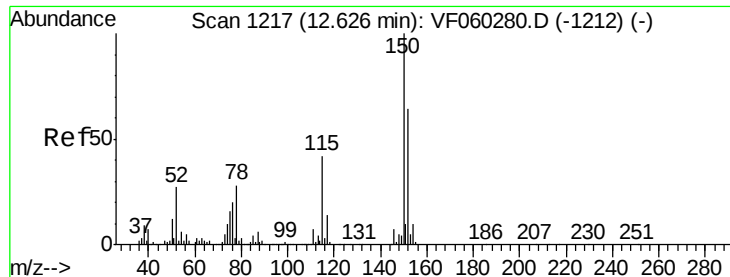
91 129.0 110.9 332.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

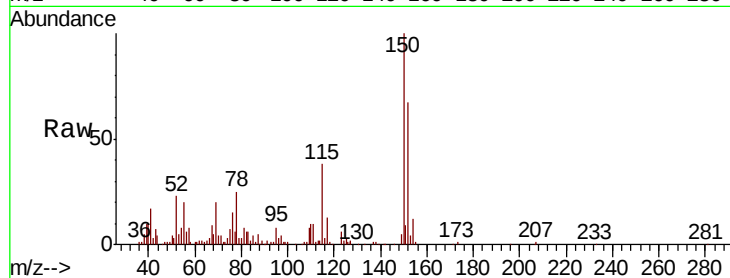
Tot Ion:152 Resp: 40078

Ion Ratio Lower Upper

152 100

115 56.7 32.6 97.8

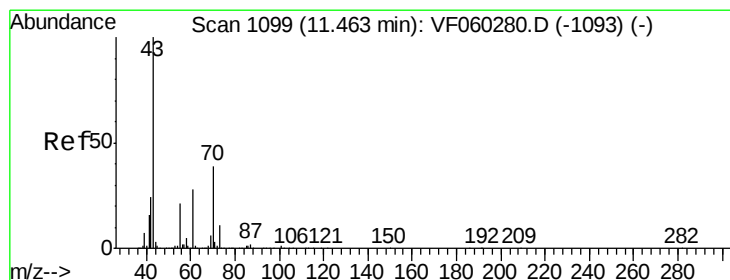
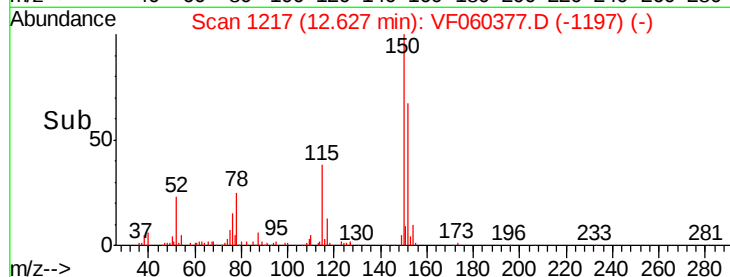
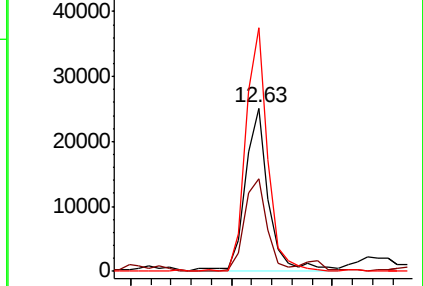
150 148.8 0.0 314.2



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



#74

N-ethyl acetate

Concen: 2.736 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Tgt Ion: 43 Resp: 2099

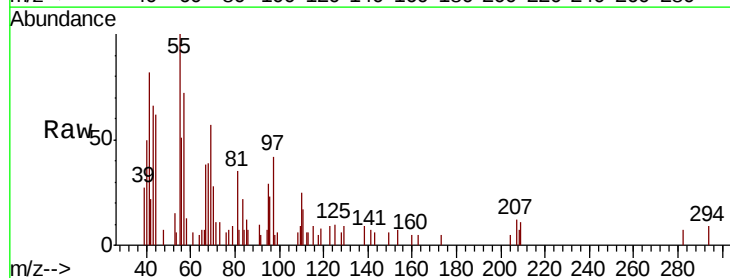
Ion Ratio Lower Upper

43 100

70 42.8 31.4 47.2

55 150.7 16.8 25.2#

61 9.2 22.6 34.0#

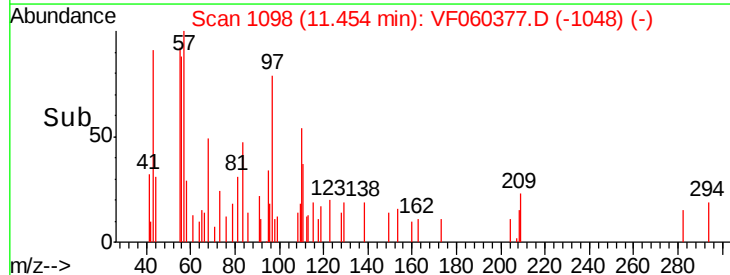
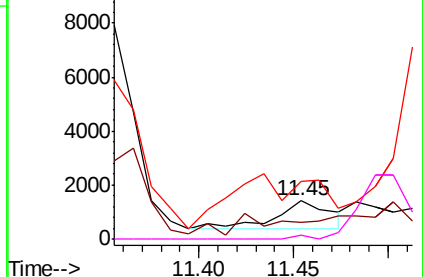


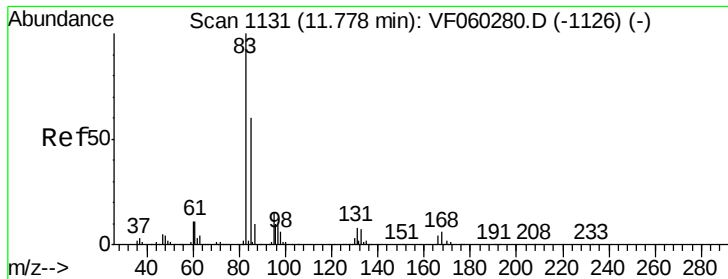
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.411 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. -0.03 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

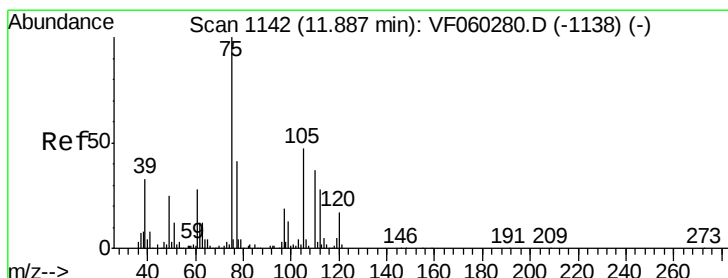
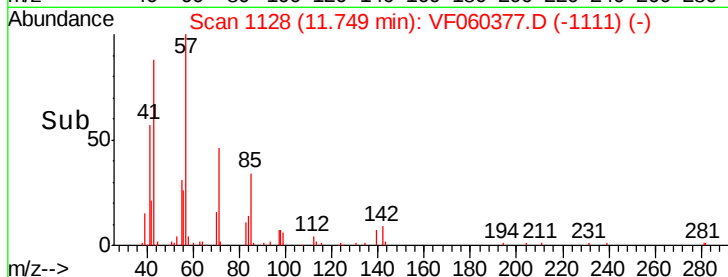
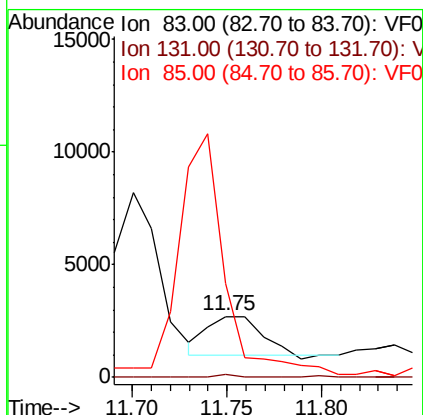
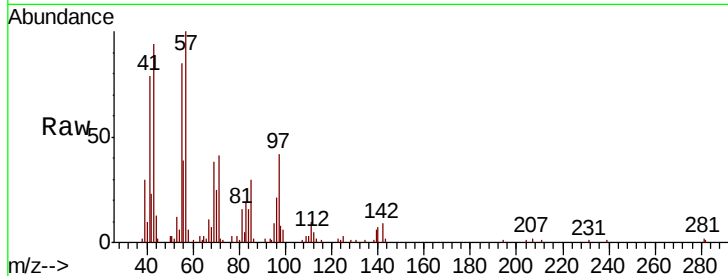
Tot Ion: 83 Resp: 3450

Ion Ratio Lower Upper

83 100

131 4.0 4.2 12.4#

85 154.4 30.1 90.5#



#76

1,2,3-Trichloropropane

Concen: 1.682 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF060377.D

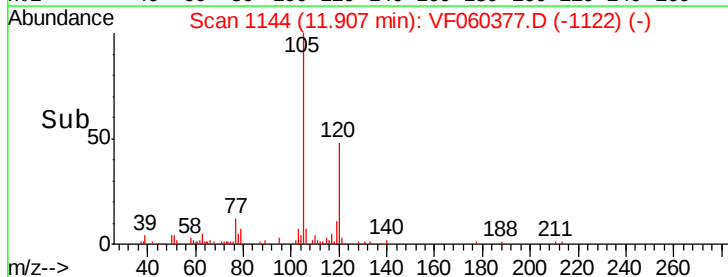
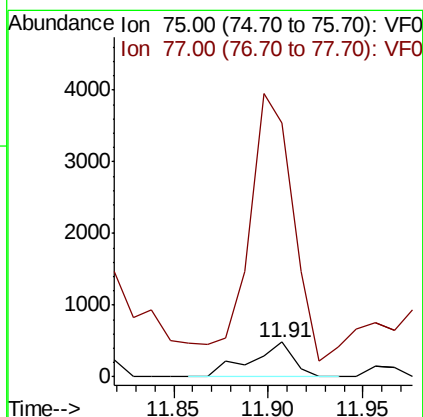
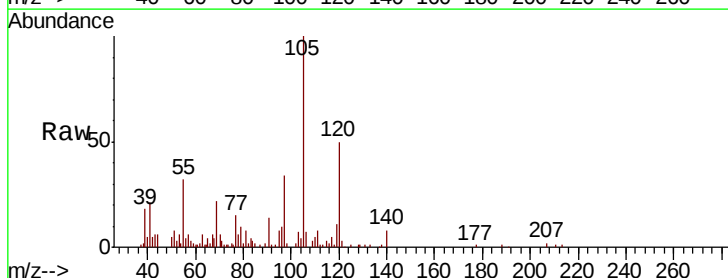
Acq: 28 Sep 2018 19:54

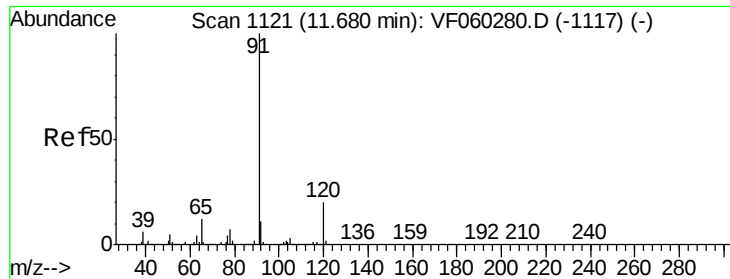
Tgt Ion: 75 Resp: 768

Ion Ratio Lower Upper

75 100

77 732.0 20.5 61.5#





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

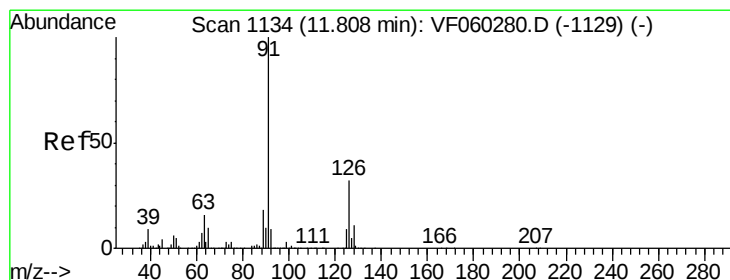
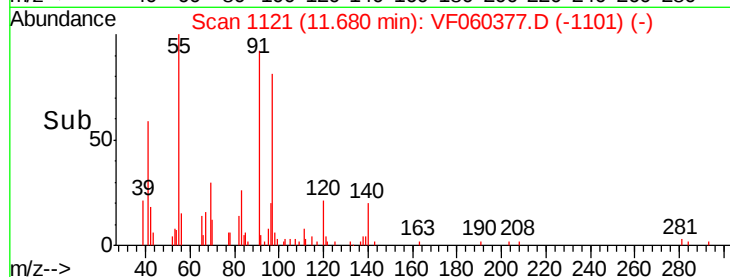
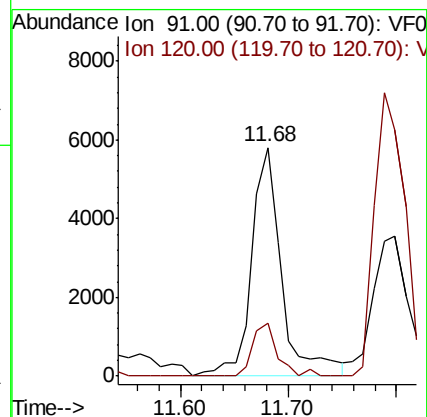
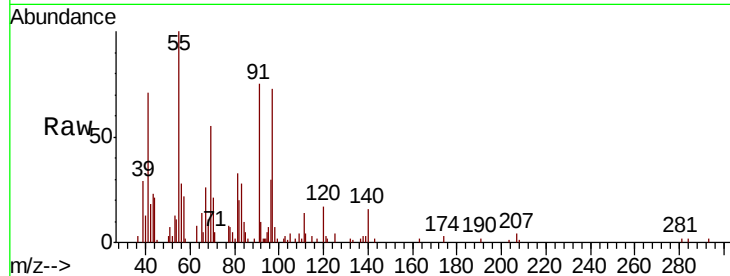
OILY-STONES

Tot Ion: 91 Resp: 11293

Ion Ratio Lower Upper

91 100

120 22.9 10.0 29.8



#79

2-Chlorotoluene

Concen: 2.925 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VF060377.D

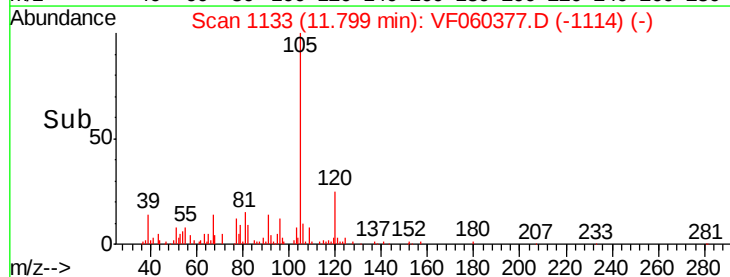
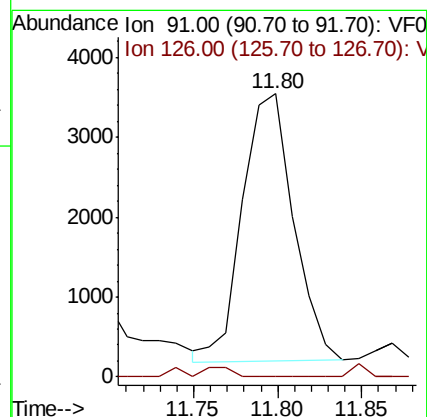
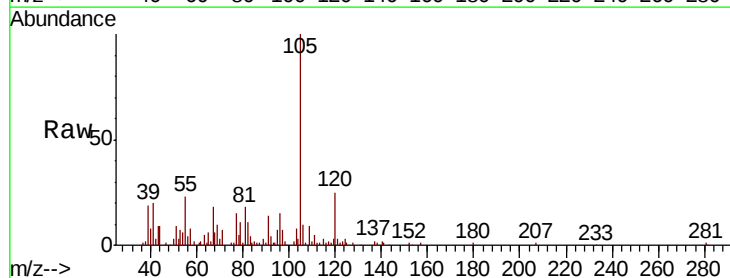
Acq: 28 Sep 2018 19:54

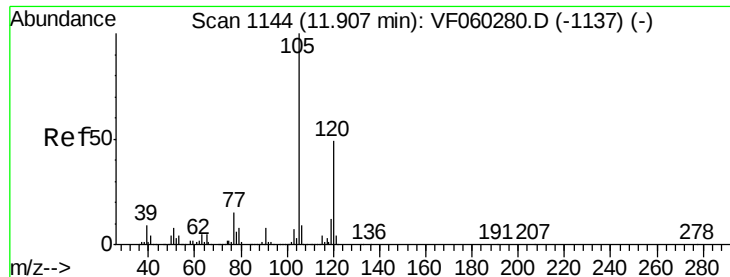
Tgt Ion: 91 Resp: 7099

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.3#

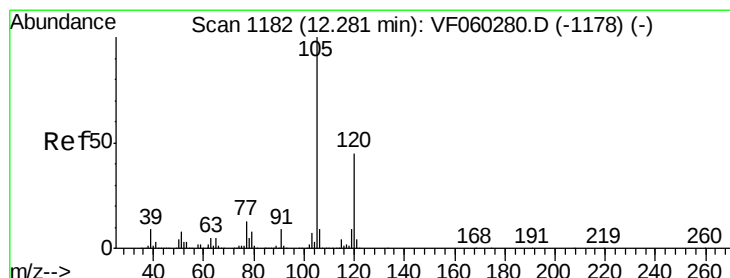
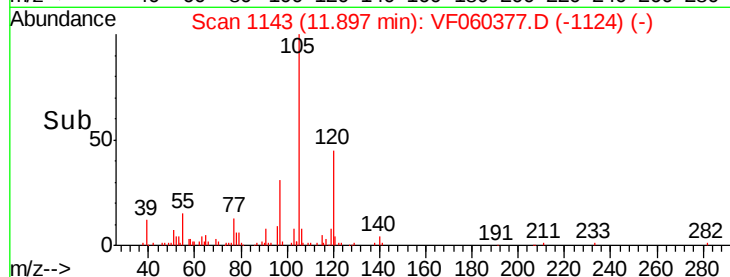
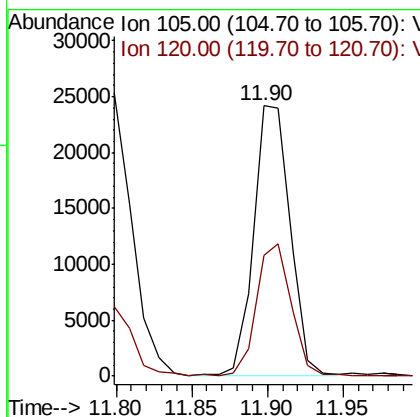
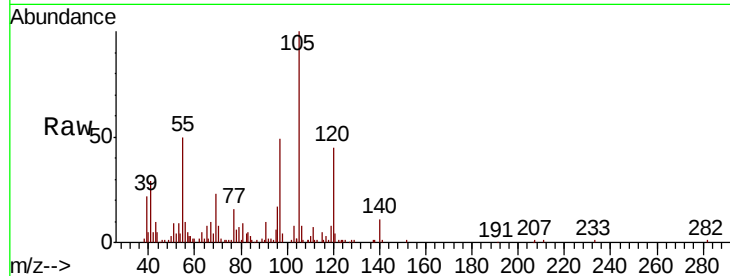




#80
 1,3,5-Trimethylbenzene
 Concen: 14.170 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF060377.D
 Acq: 28 Sep 2018 19:54

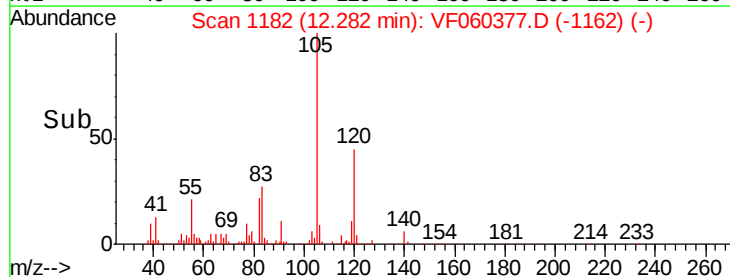
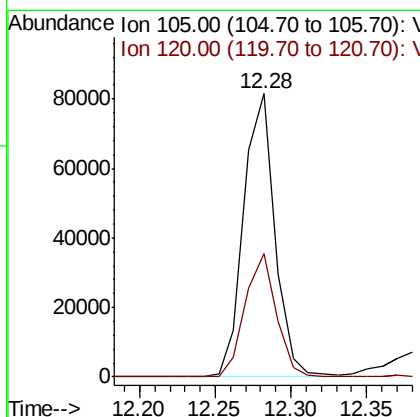
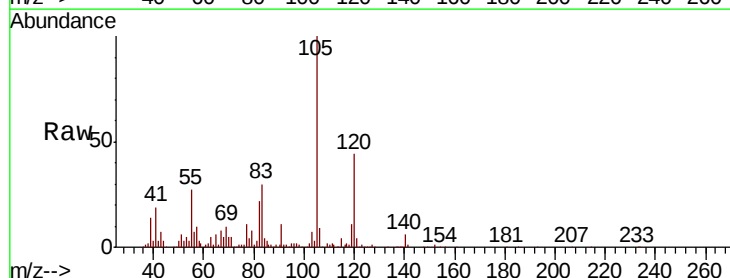
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

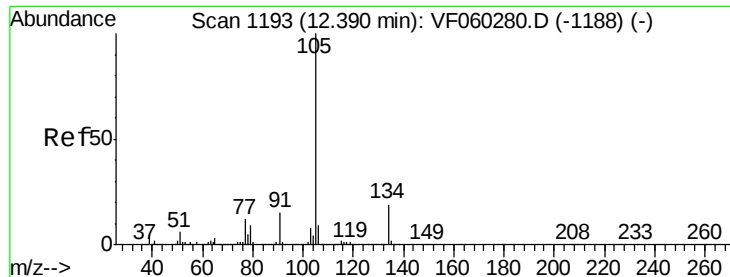
Tot Ion:105 Resp: 41038
 Ion Ratio Lower Upper
 105 100
 120 44.6 24.4 73.2



#84
 1,2,4-Trimethylbenzene
 Concen: 40.002 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060377.D
 Acq: 28 Sep 2018 19:54

Tgt Ion:105 Resp: 117643
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.0





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

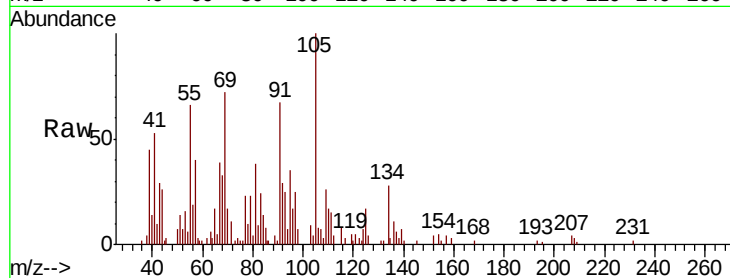
OILY-STONES

Tot Ion:105 Resp: 12686

Ion Ratio Lower Upper

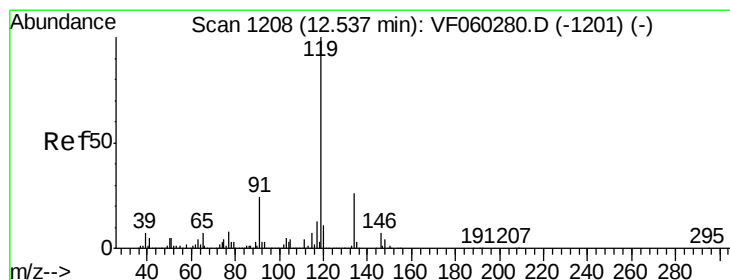
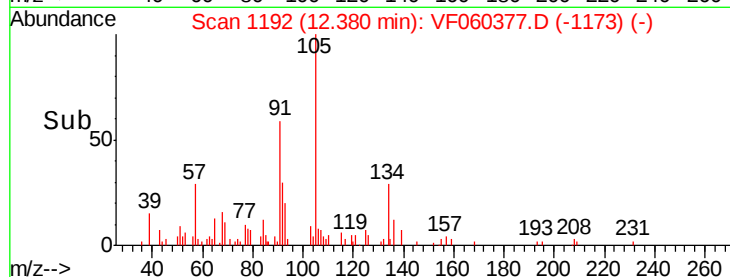
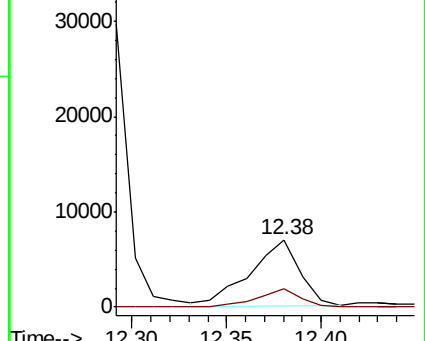
105 100

134 27.9 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.084 ug/l

RT: 12.50 min Scan# 1204

Delta R.T. -0.04 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

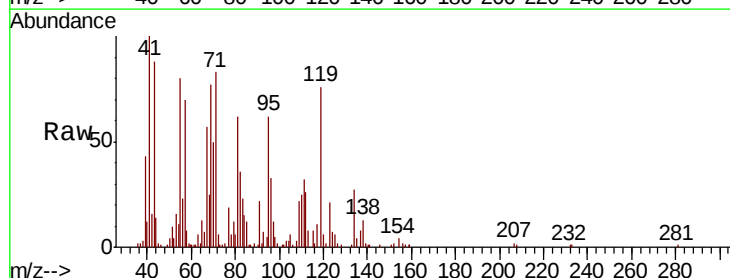
Tgt Ion:119 Resp: 26434

Ion Ratio Lower Upper

119 100

134 36.0 12.9 38.7

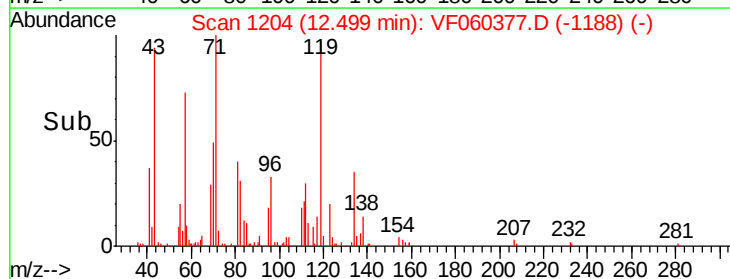
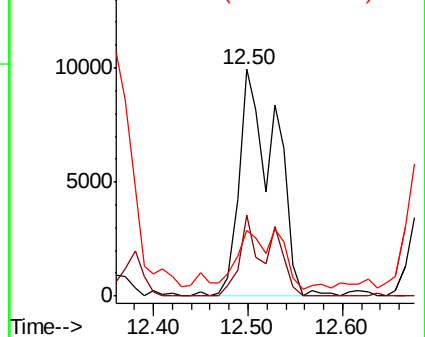
91 28.8 11.9 35.7

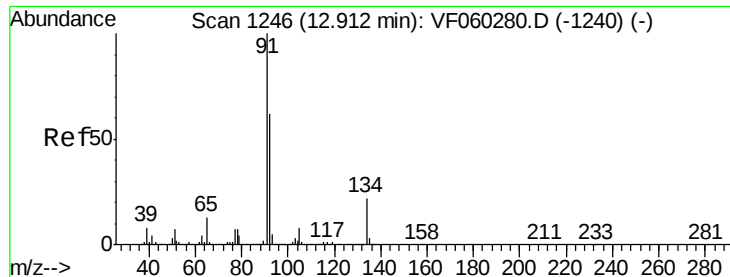


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 1.835 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

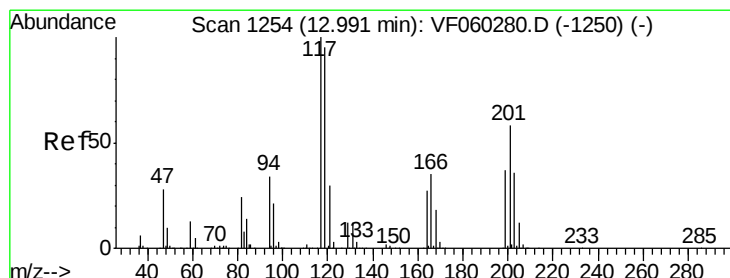
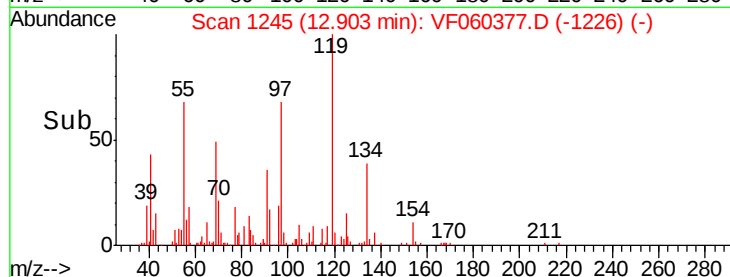
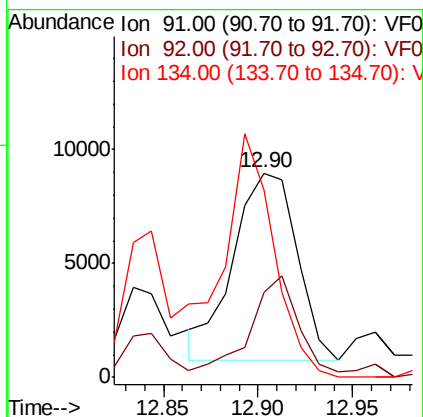
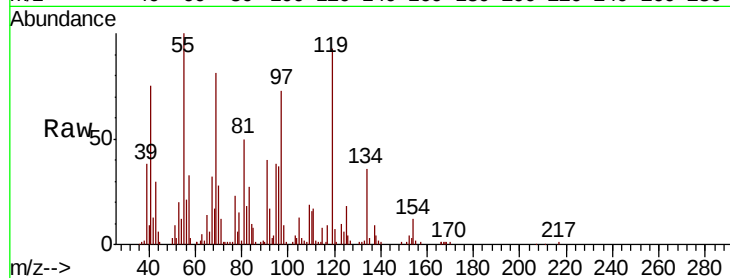
Tot Ion: 91 Resp: 19043

Ion Ratio Lower Upper

91 100

92 41.8 31.1 93.5

134 91.8 11.0 33.0#



#90

Hexachloroethane

Concen: 1.115 ug/l

RT: 13.00 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060377.D

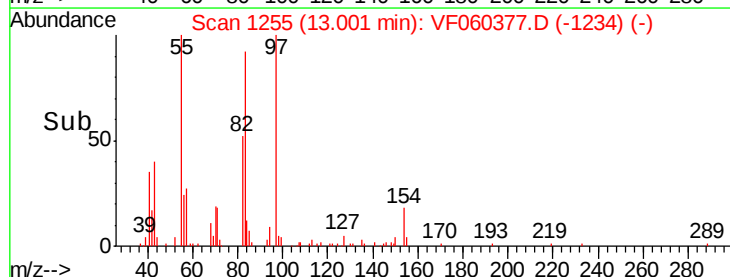
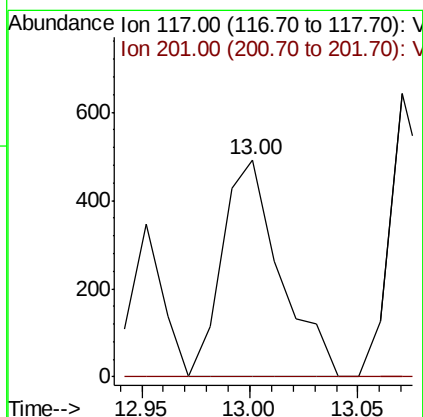
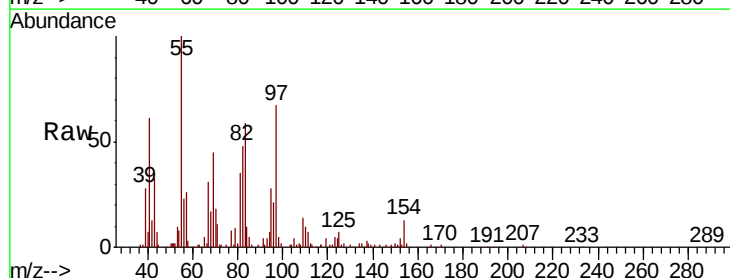
Acq: 28 Sep 2018 19:54

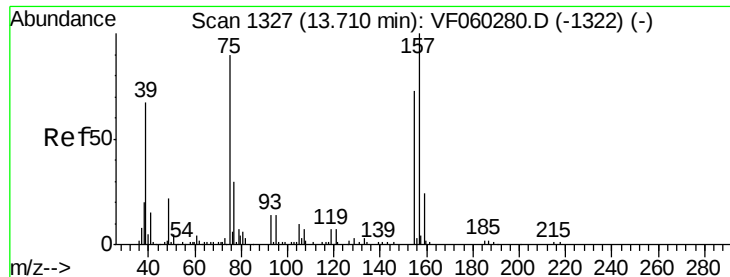
Tgt Ion: 117 Resp: 916

Ion Ratio Lower Upper

117 100

201 0.0 29.0 87.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.395 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

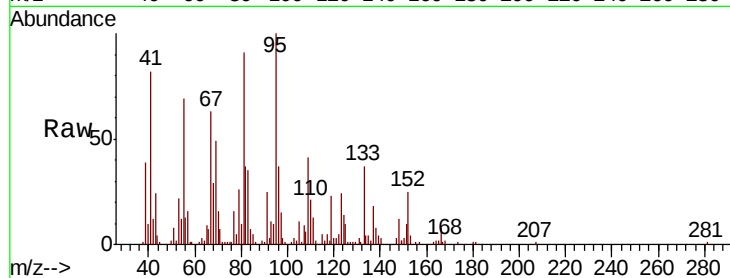
Tot Ion: 75 Resp: 167

Ion Ratio Lower Upper

75 100

155 44.7 41.9 125.7

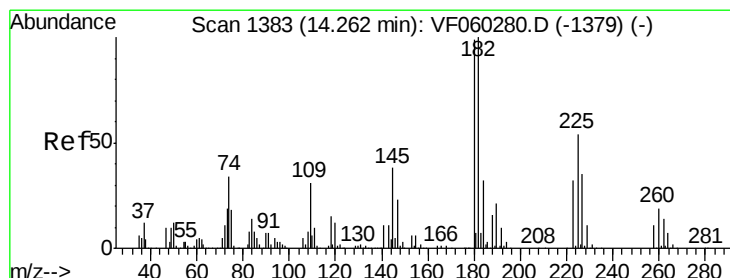
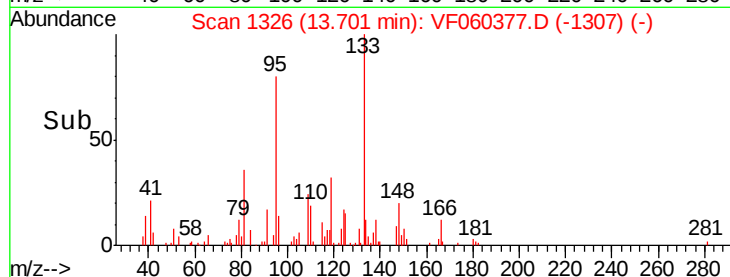
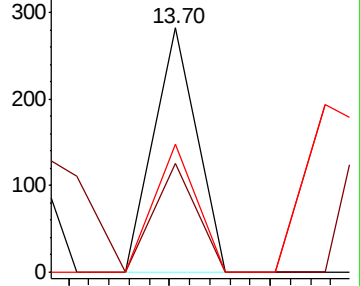
157 52.1 57.4 172.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 4.267 ug/l

RT: 14.25 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

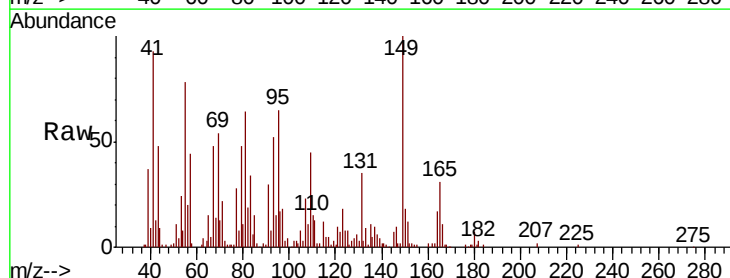
Tgt Ion: 180 Resp: 4287

Ion Ratio Lower Upper

180 100

182 40.3 50.3 151.0#

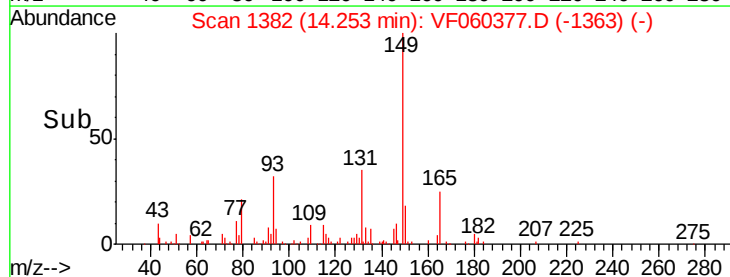
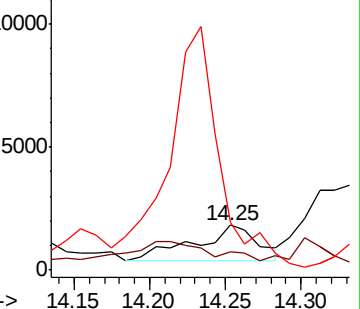
145 106.1 18.9 56.9#

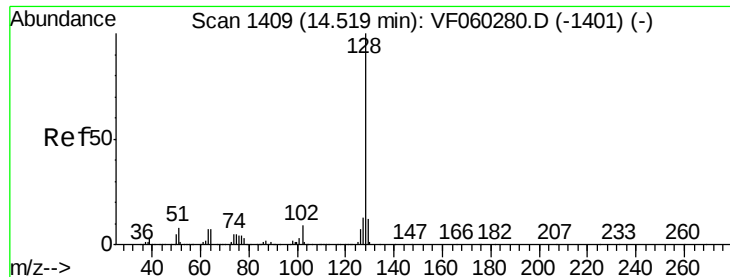


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 1228.375 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Instrument :

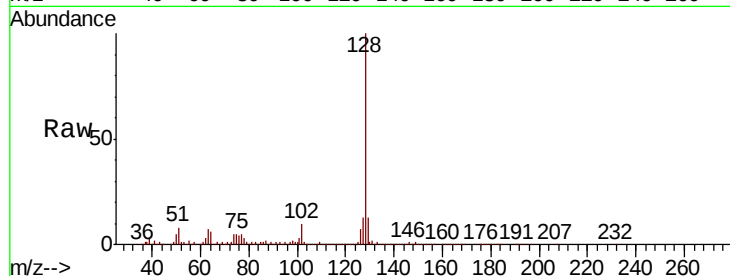
MSVOA_F

ClientSampleId :

OILY-STONES

Tot Ion:128 Resp: 2163627

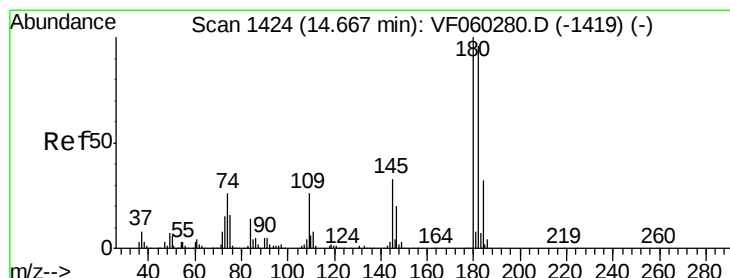
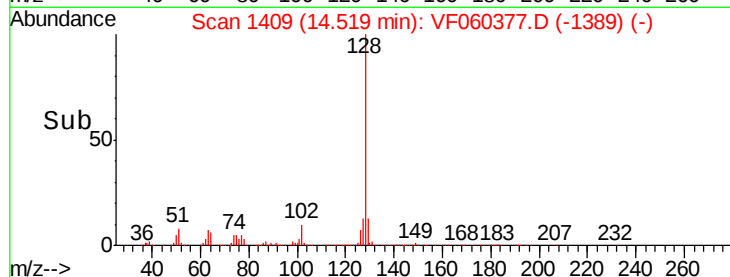
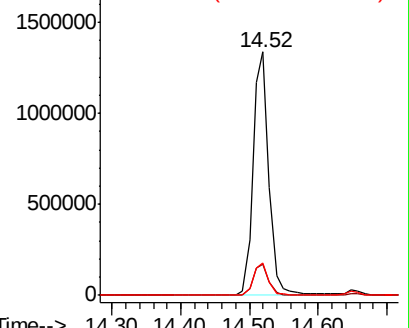
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	13.3	9.8	14.8



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



#96

1,2,3-Trichlorobenzene

Concen: 19.942 ug/l

RT: 14.70 min Scan# 1427

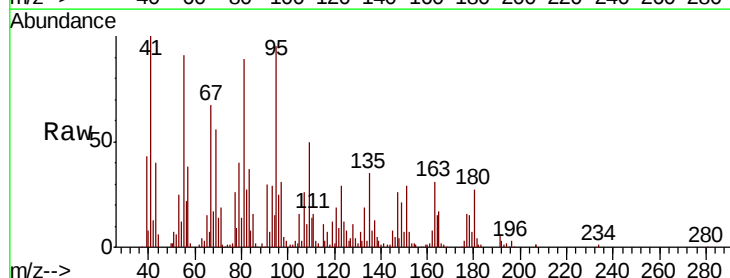
Delta R.T. 0.03 min

Lab File: VF060377.D

Acq: 28 Sep 2018 19:54

Tgt Ion:180 Resp: 18512

Ion	Ratio	Lower	Upper
180	100		
182	4.2	47.8	143.4#
145	28.5	16.4	49.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

