

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059931.D
 Acq On : 8 Aug 2018 15:09
 Operator : VA/AP
 Sample : J4360-04RE
 Misc : 5.56g/5mL/MSVOA F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 155-CONCRETERE

Quant Time: Aug 09 05:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	84783	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	123521	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	116471	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.65	152	72582	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	71342	46.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.34%	
35) Dibromofluoromethane	4.31	113	60562	49.28	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.56%	
50) Toluene-d8	7.73	98	106401	40.69	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.38%	
62) 4-Bromofluorobenzene	11.53	95	58723	39.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.92%	

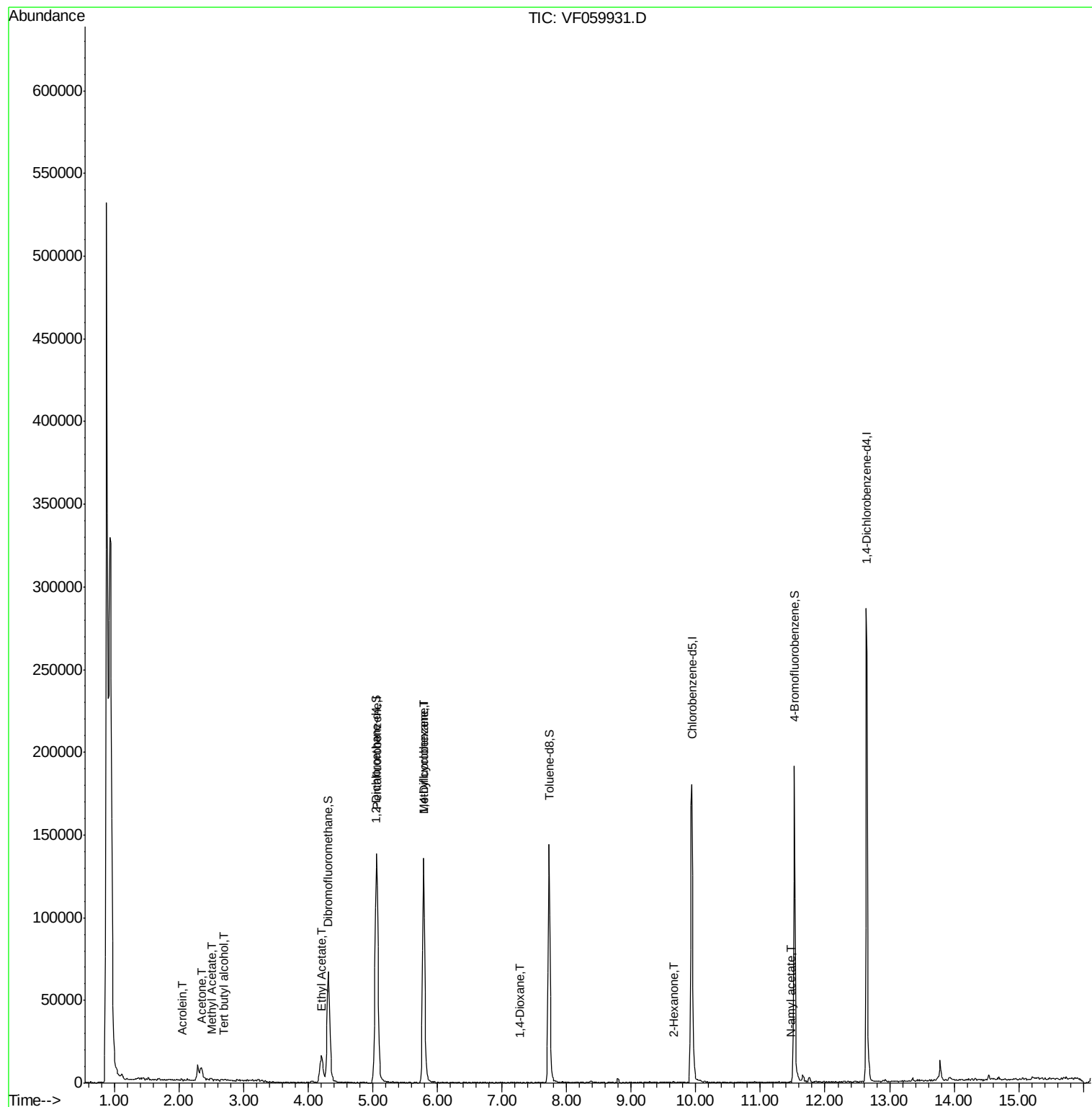
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	91	1.48	ug/l #	74
13) Acrolein	2.05	56	102	2.76	ug/l #	9
16) Acetone	2.35	43	904	3.20	ug/l #	70
18) Methyl Acetate	2.51	43	1261	2.65	ug/l #	56
20) Methylene Chloride	2.28	84	3249	Below Cal		94
37) Ethyl Acetate	4.21	43	1788	2.91	ug/l #	36
39) Methylcyclohexane	5.79	83	2552	2.38	ug/l #	38
40) Benzene	4.84	78	66	Below Cal	#	49
49) 1,4-Dioxane	7.28	88	60	96.06	ug/l #	16
59) 2-Hexanone	9.65	43	619	1.36	ug/l	76
74) N-amyl acetate	11.48	43	349	3.25	ug/l #	48

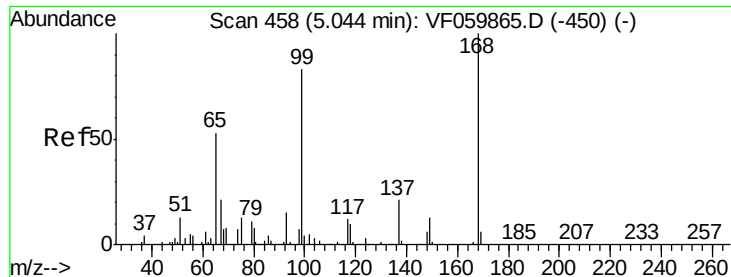
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 05:21:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

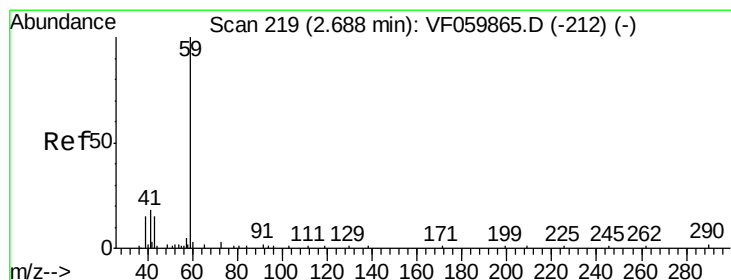
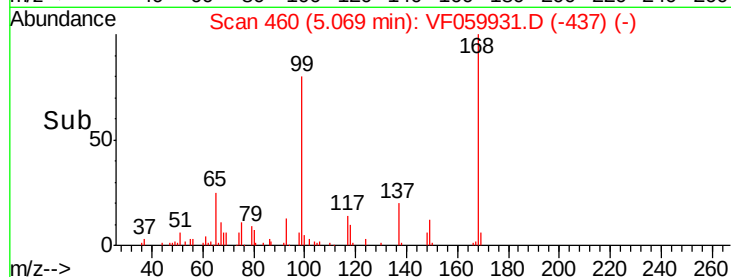
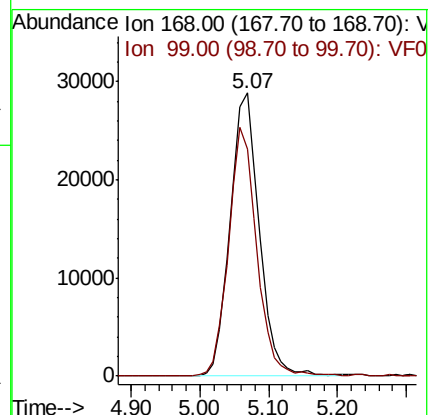
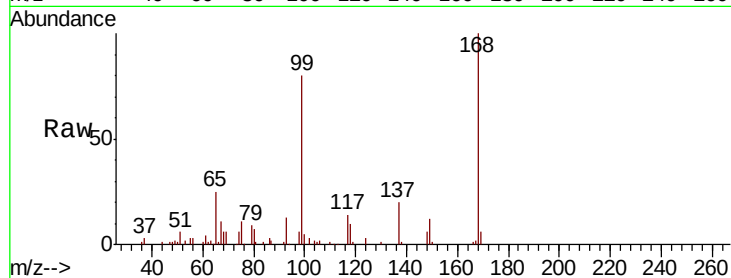
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

Tot Ion:168 Resp: 84783

Ion Ratio Lower Upper

168 100

99 80.0 66.3 99.5



#11

Tert butyl alcohol

Concen: 1.48 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.02 min

Lab File: VF059931.D

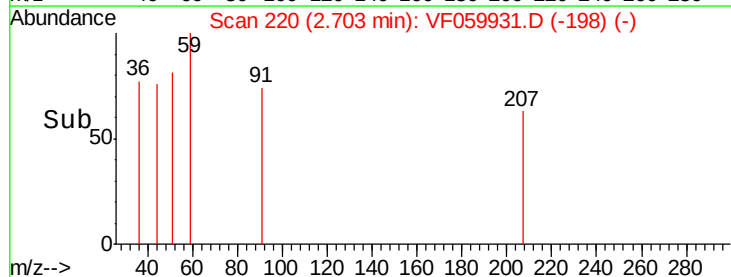
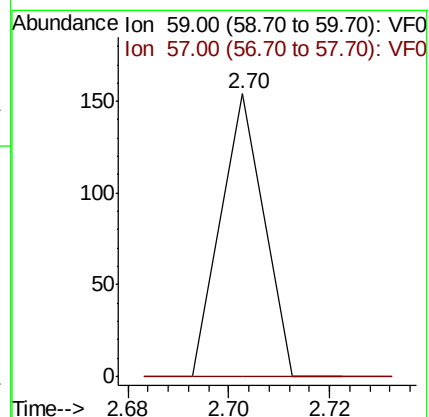
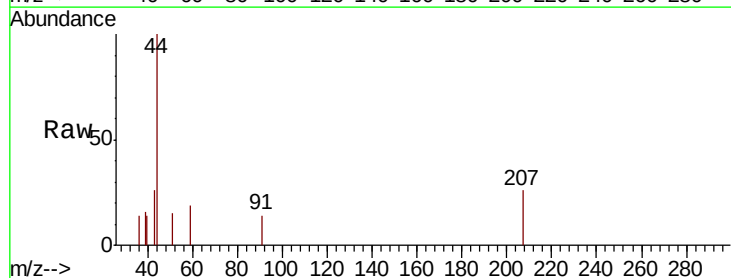
Acq: 8 Aug 2018 15:09

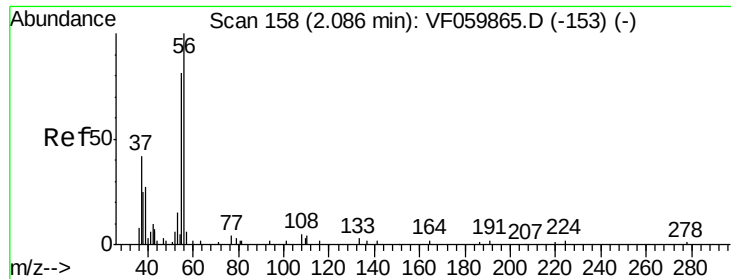
Tgt Ion: 59 Resp: 91

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#





#13

Acrolein

Concen: 2.76 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.03 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

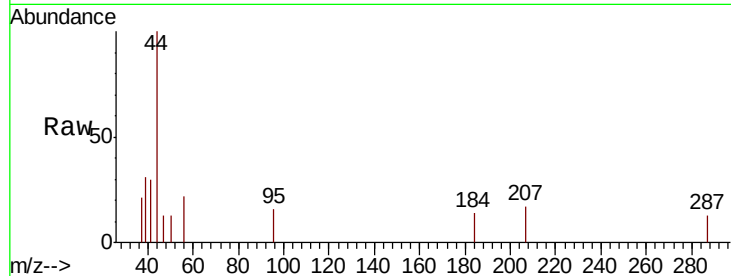
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

Tot Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 0.0 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

200

150

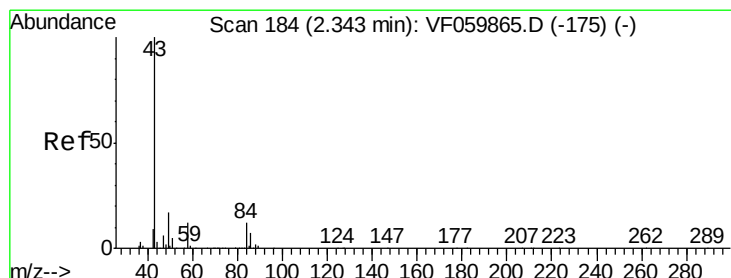
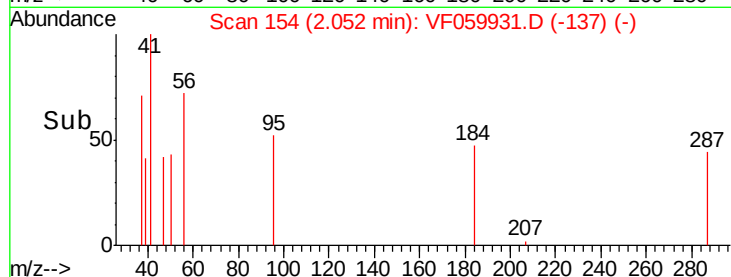
100

50

0

2.02 2.04 2.06 2.08

Time-->



#16

Acetone

Concen: 3.20 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059931.D

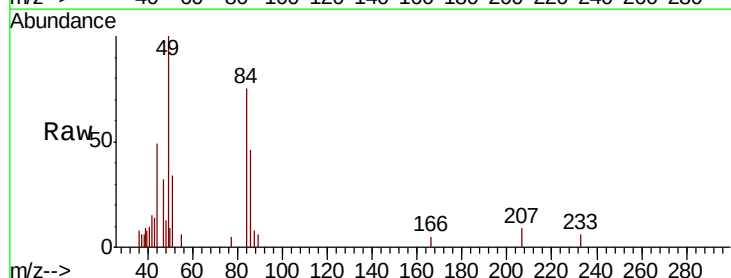
Acq: 8 Aug 2018 15:09

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

58 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

300

250

200

150

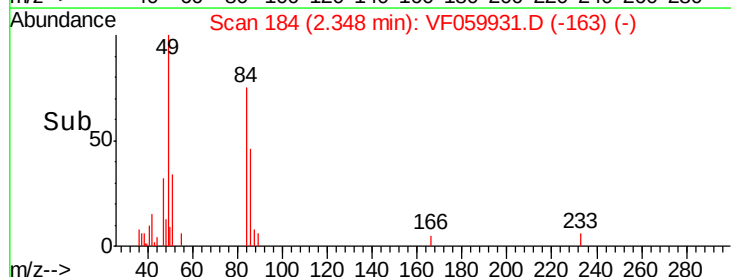
100

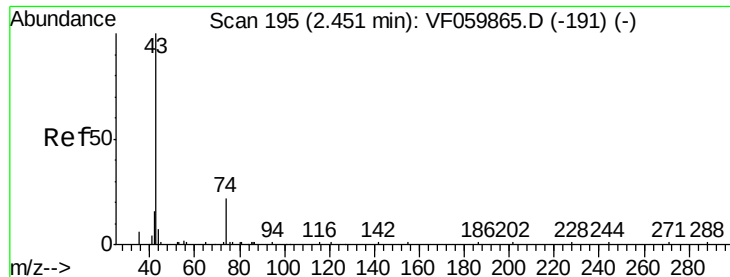
50

0

2.30 2.35 2.40

Time-->

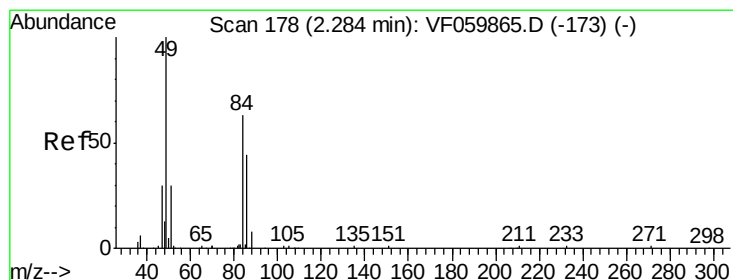
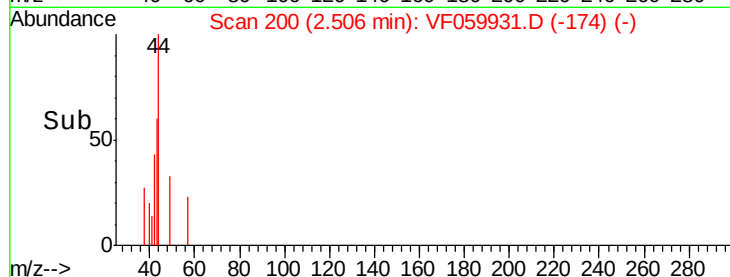
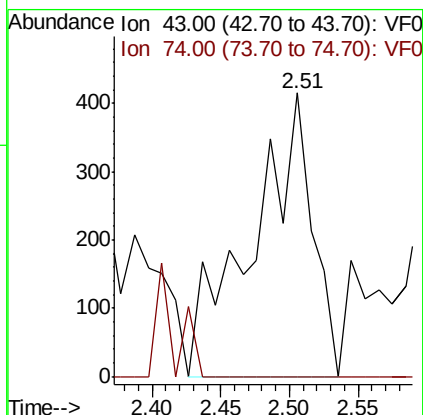
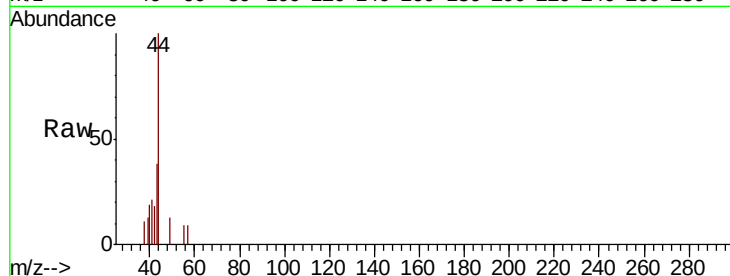




#18
Methyl Acetate
Concen: 2.65 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.05 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

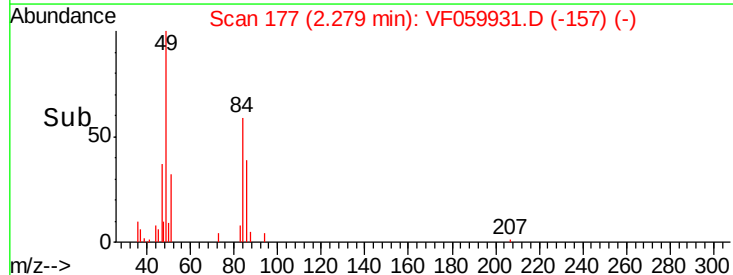
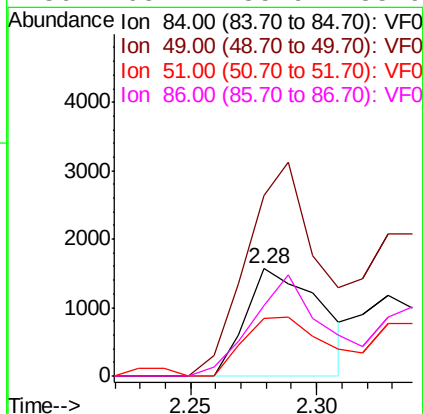
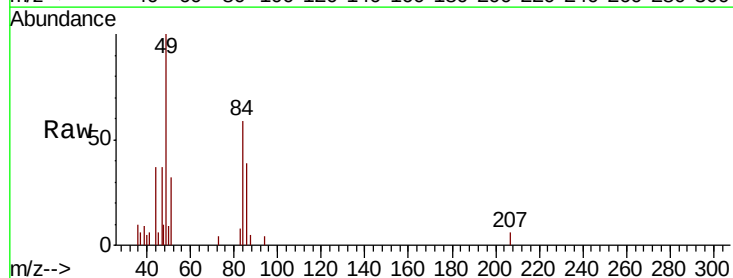
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

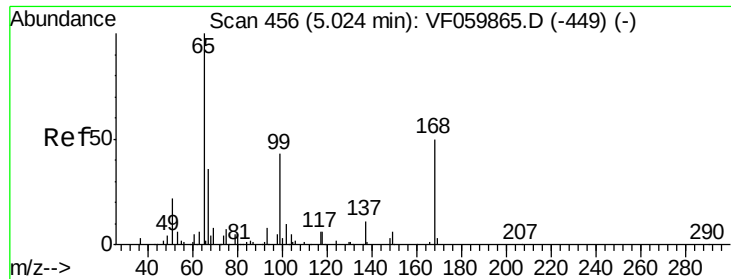
Tot Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

Tgt Ion: 84 Resp: 3249
Ion Ratio Lower Upper
84 100
49 168.3 128.7 193.1
51 53.7 39.3 58.9
86 65.1 55.9 83.9

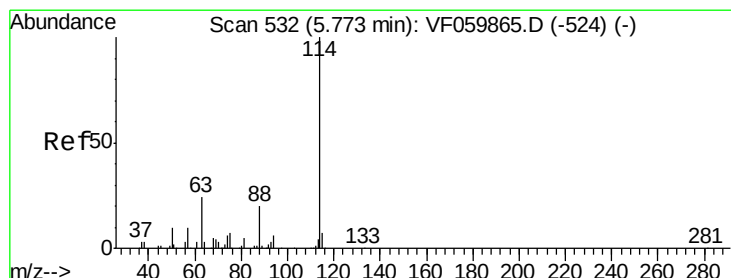
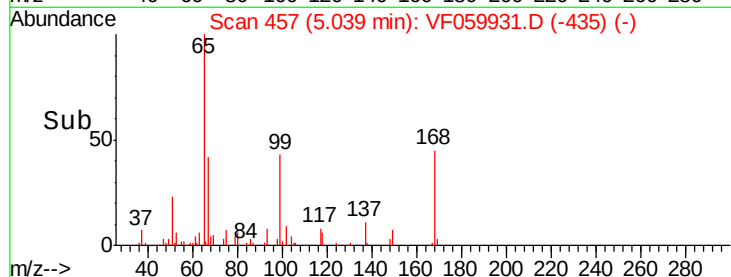
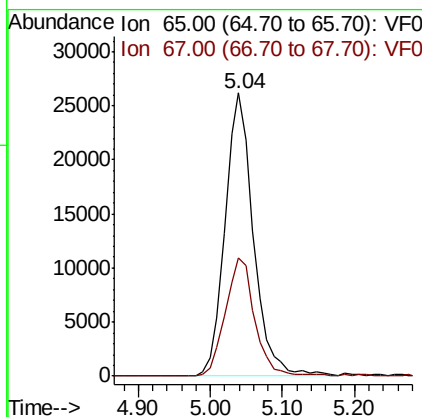
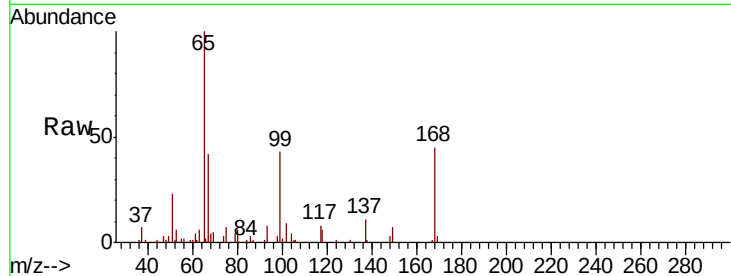




#33
 1,2-Dichloroethane-d4
 Concen: 46.67 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF059931.D
 Acq: 8 Aug 2018 15:09

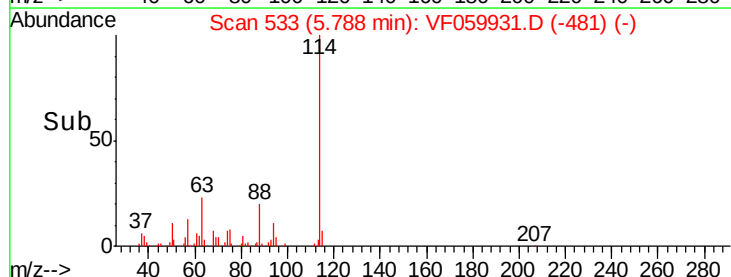
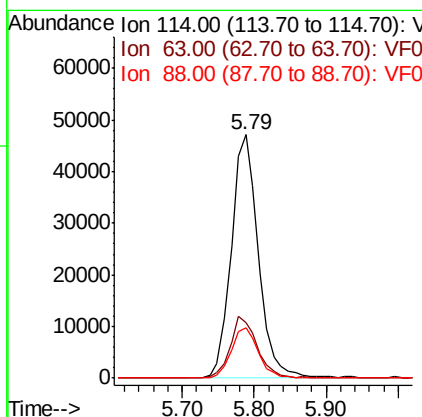
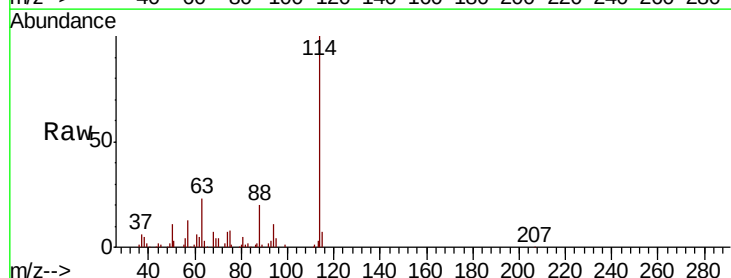
Instrument :
 MSVOA_F
 ClientSampleId :
 155-CONCRETE

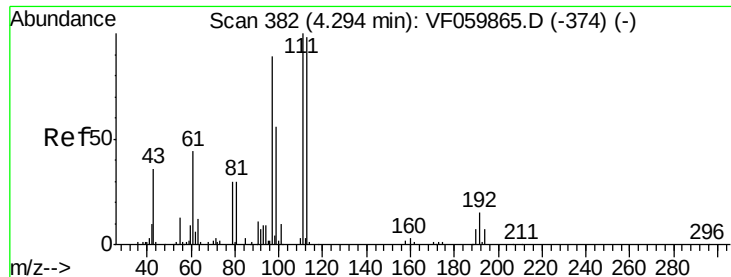
Tot Ion: 65 Resp: 71342
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 77.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VF059931.D
 Acq: 8 Aug 2018 15:09

Tgt Ion: 114 Resp: 123521
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 48.0
 88 20.4 0.0 39.4

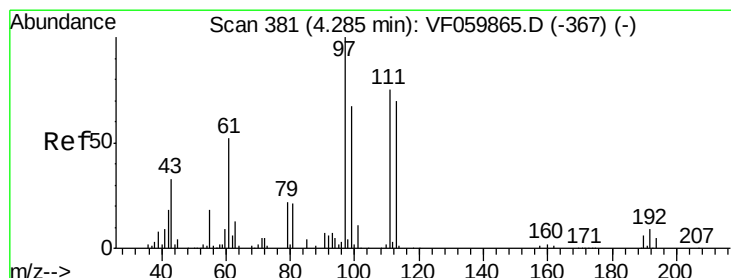
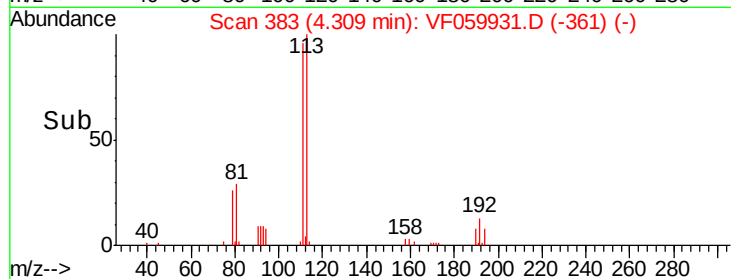
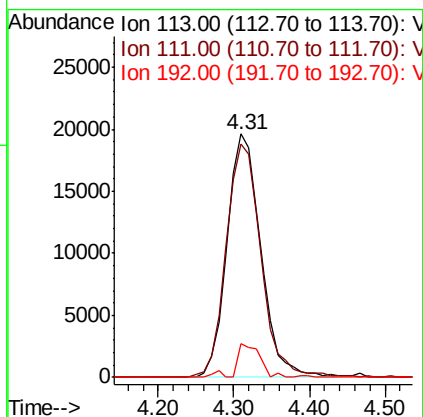
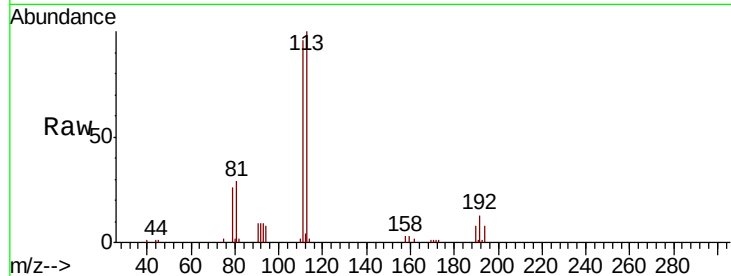




#35
Dibromofluoromethane
Concen: 49.28 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

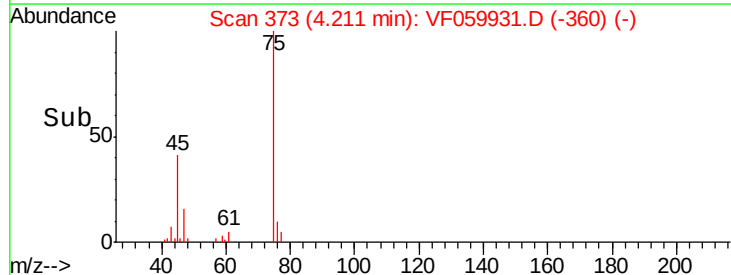
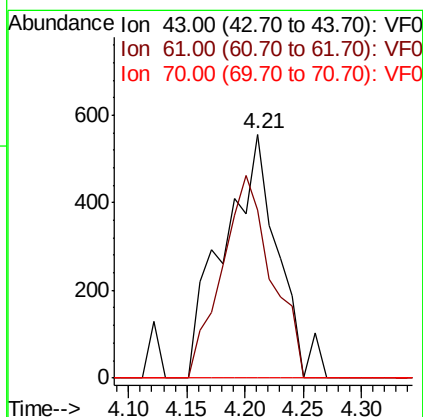
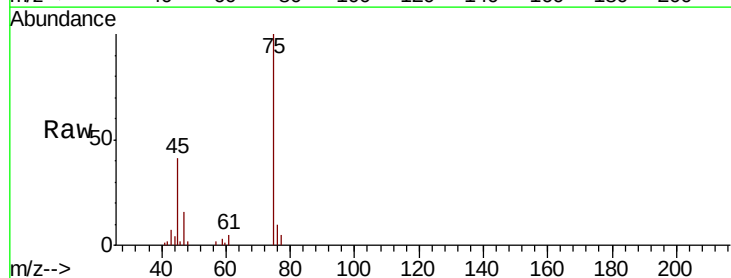
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

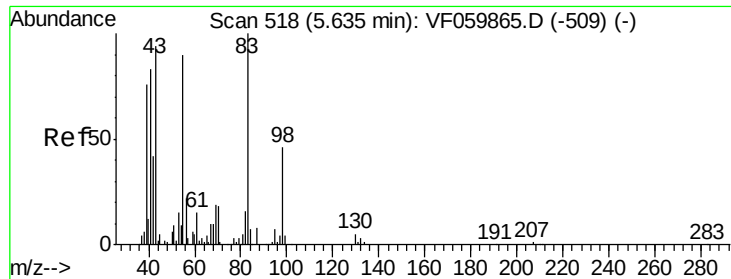
Tot Ion:113 Resp: 60562
Ion Ratio Lower Upper
113 100
111 96.0 81.8 122.8
192 13.9 12.4 18.6



#37
Ethyl Acetate
Concen: 2.91 ug/l
RT: 4.21 min Scan# 373
Delta R.T. -0.07 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
61 69.1 123.7 185.5#
70 0.0 7.8 11.8#

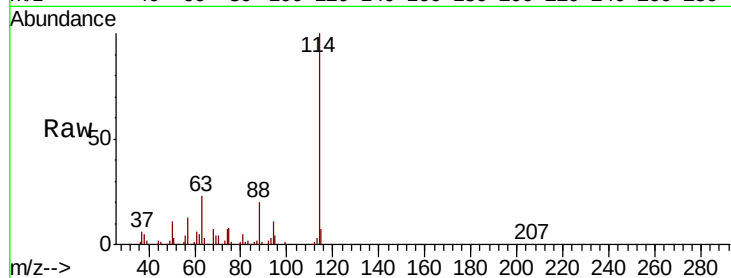




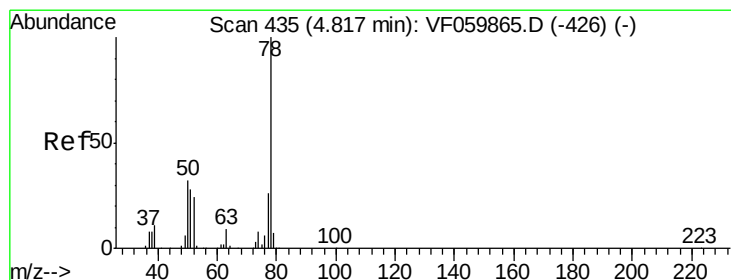
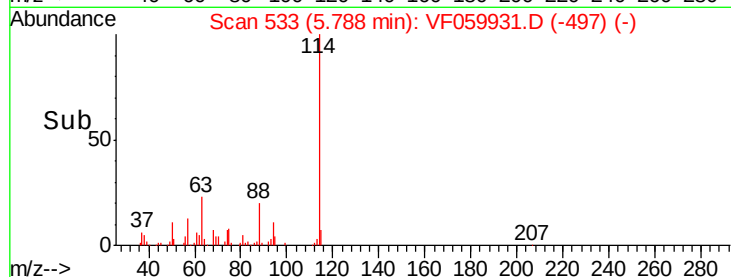
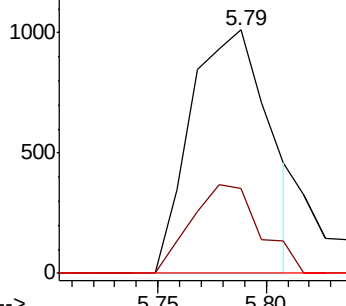
#39
Methylvlcyclohexane
Concen: 2.38 ug/l
RT: 5.79 min Scan# 533
Delta R.T. 0.15 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

Tot Ion: 83 Resp: 2552
Ion Ratio Lower Upper
83 100
55 35.1 72.0 108.0#
98 0.0 36.6 54.8#

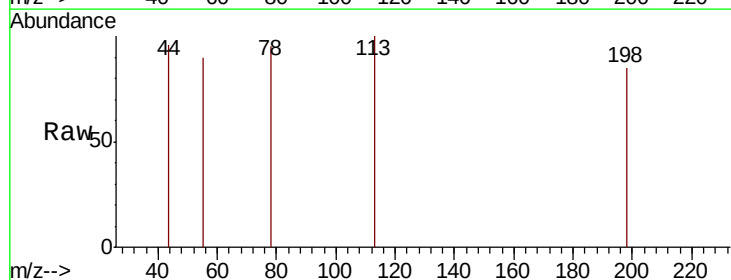


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

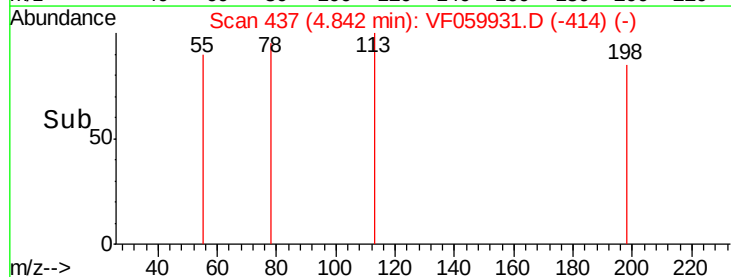
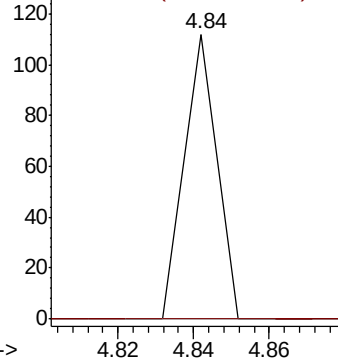


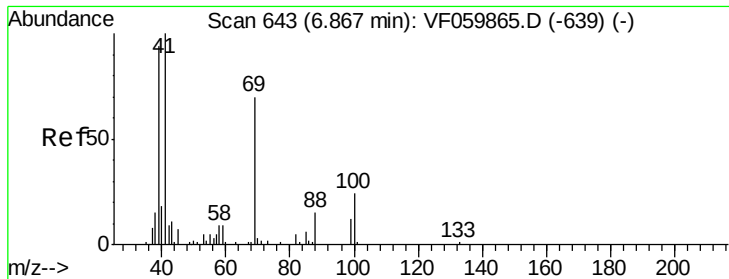
#40
Benzene
Concen: Below Cal
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

Tgt Ion: 78 Resp: 66
Ion Ratio Lower Upper
78 100
77 0.0 20.7 31.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#49

1,4-Dioxane

Concen: 96.06 ug/l

RT: 7.28 min Scan# 684

Delta R.T. 0.41 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

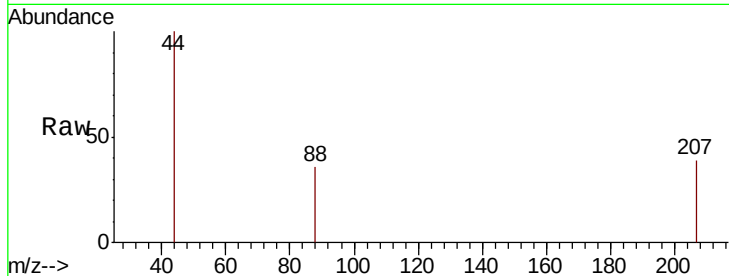
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

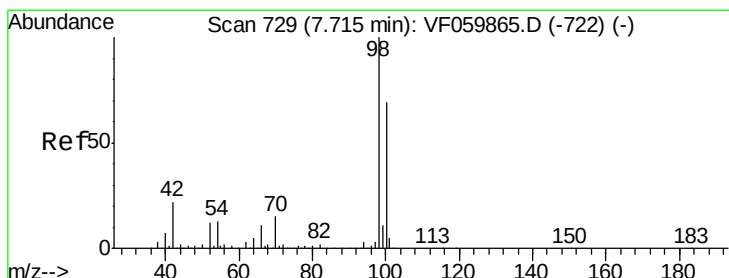
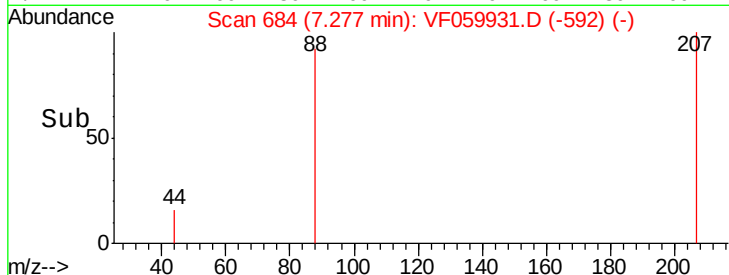
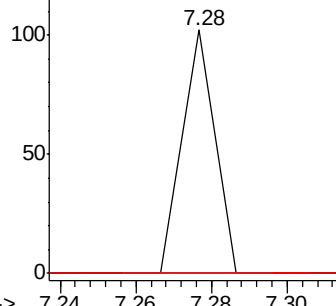
88 100

43 0.0 58.3 87.5#

58 0.0 49.4 74.2#



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



#50

Toluene-d8

Concen: 40.69 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.02 min

Lab File: VF059931.D

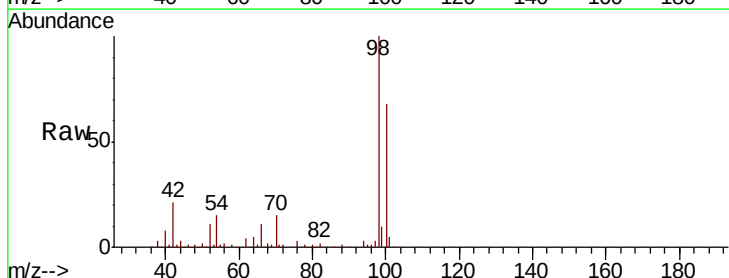
Acq: 8 Aug 2018 15:09

Tgt Ion: 98 Resp: 106401

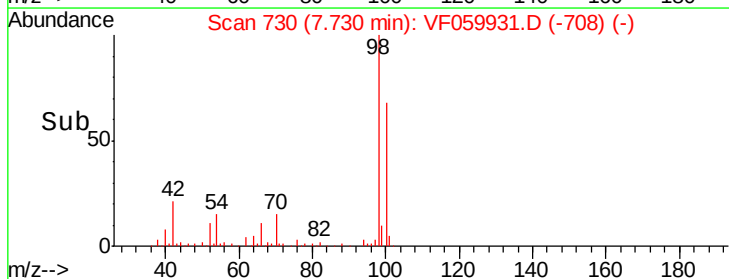
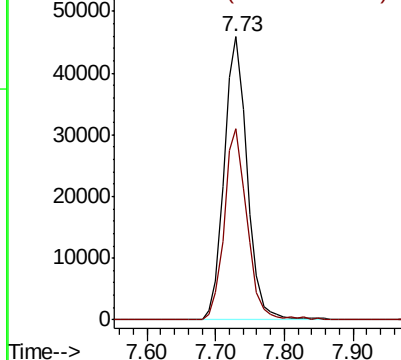
Ion Ratio Lower Upper

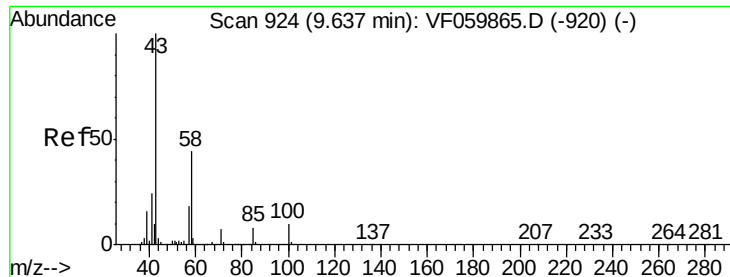
98 100

100 67.6 55.0 82.6



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





#59

2-Hexanone

Concen: 1.36 ug/l

RT: 9.65 min Scan# 925

Delta R.T. 0.02 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

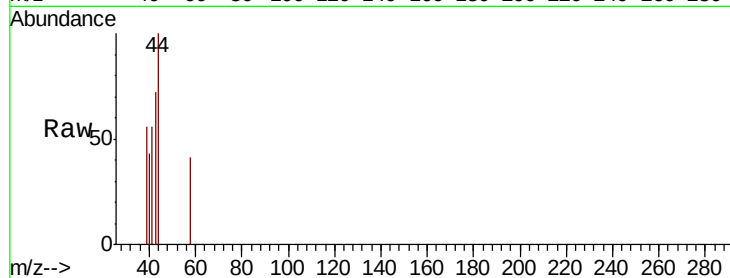
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

Tot Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 56.8 20.8 62.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

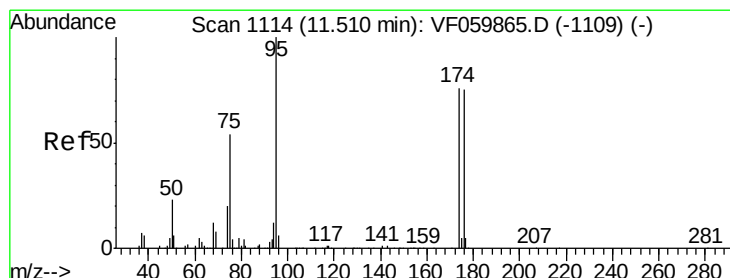
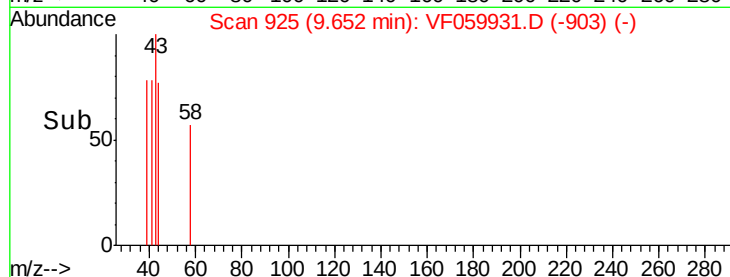
100

50

0

9.60 9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 39.96 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

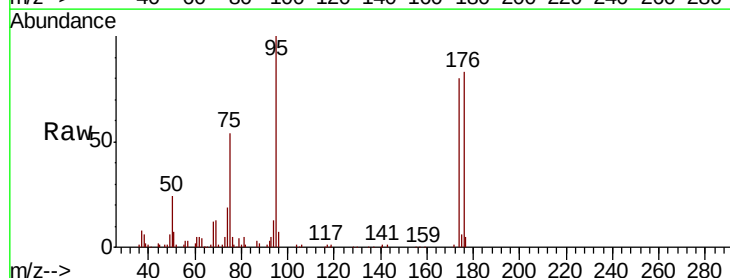
Tgt Ion: 95 Resp: 58723

Ion Ratio Lower Upper

95 100

174 80.4 0.0 151.6

176 83.4 0.0 149.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

50000

40000

30000

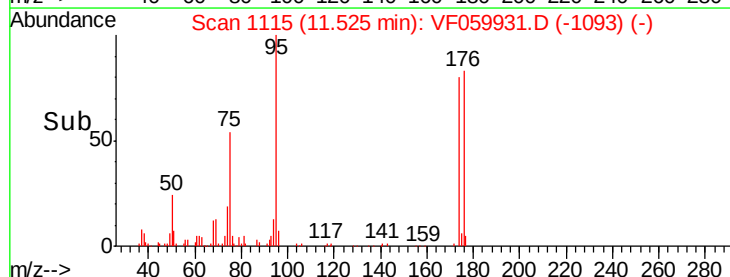
20000

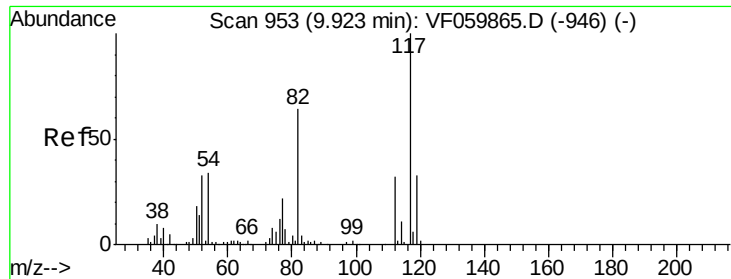
10000

0

11.40 11.50 11.60 11.70

Time-->

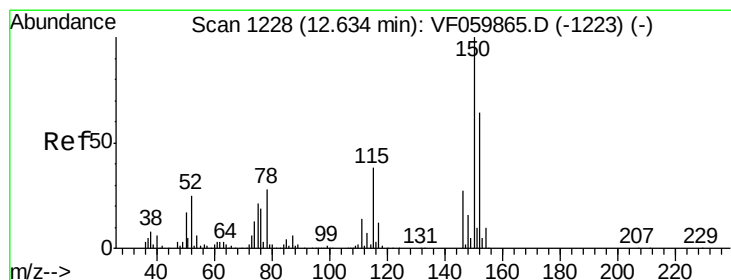
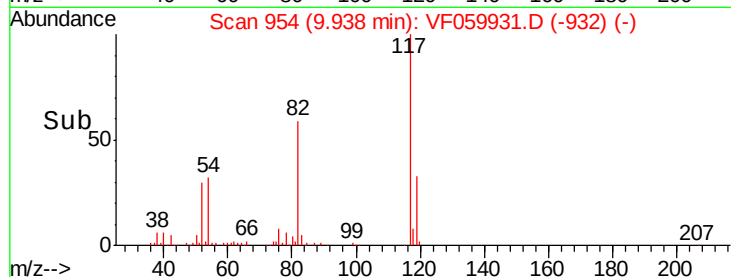
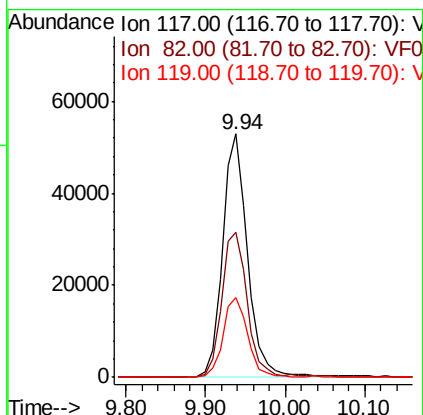
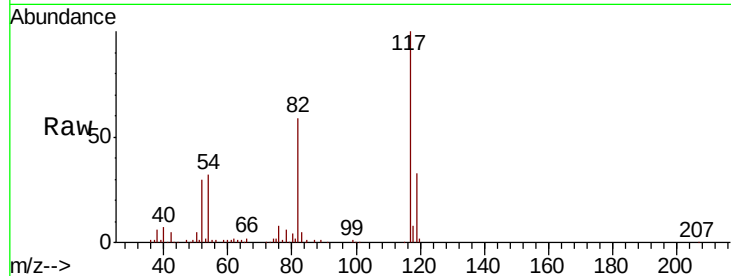




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

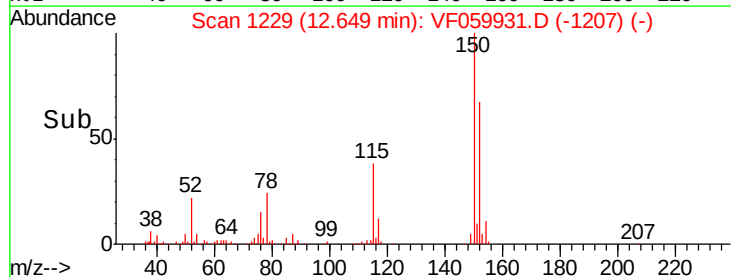
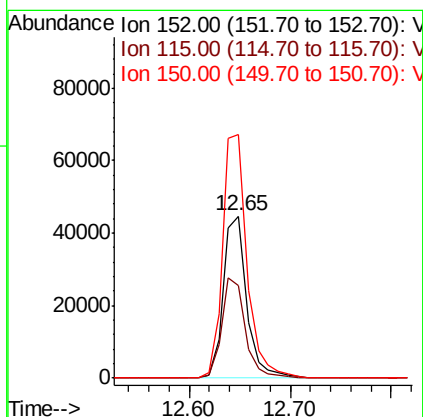
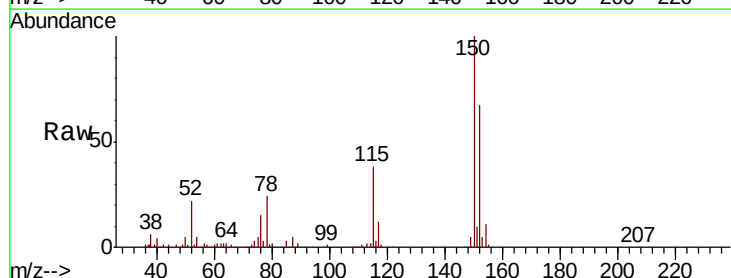
Instrument :
MSVOA_F
ClientSampleId :
155-CONCRETE

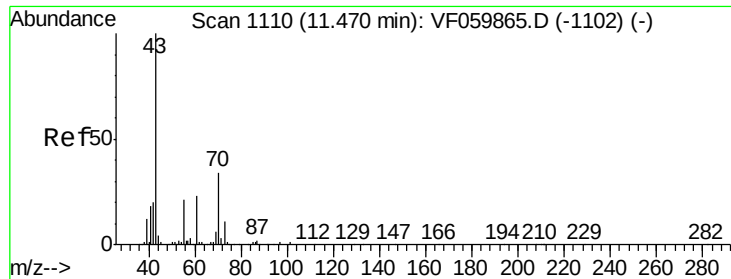
Tot Ion:117 Resp: 116471
Ion Ratio Lower Upper
117 100
82 59.4 51.3 76.9
119 32.9 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.65 min Scan# 1229
Delta R.T. 0.02 min
Lab File: VF059931.D
Acq: 8 Aug 2018 15:09

Tgt Ion:152 Resp: 72582
Ion Ratio Lower Upper
152 100
115 57.1 29.8 89.4
150 150.3 0.0 315.6





#74

N-amvl acetate

Concen: 3.25 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059931.D

Acq: 8 Aug 2018 15:09

Instrument :

MSVOA_F

ClientSampleId :

155-CONCRETERE

Tot Ion: 43 Resp: 349

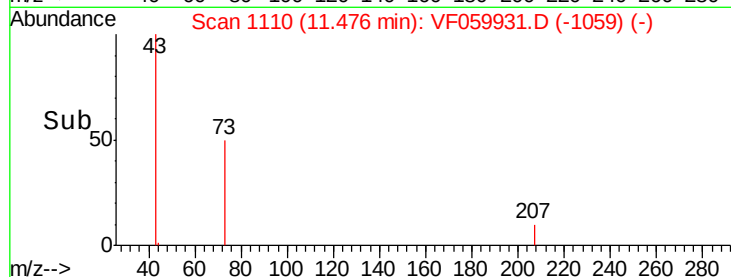
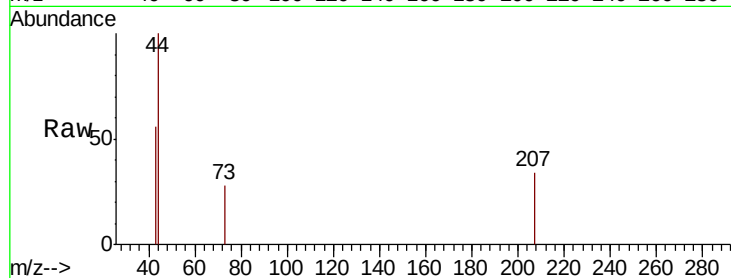
Ion Ratio Lower Upper

43 100

70 0.0 27.5 41.3#

55 0.0 16.6 25.0#

61 0.0 18.2 27.4#



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

