

Data File : VF059990.D
Acq On : 18 Aug 2018 00:02
Operator : VA/AP
Sample : J4501-05RE
Misc : 5.05g/5mL/MSVOA_F/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-020RE

Quant Time: Aug 18 01:42:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	25361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	16475	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	13406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	4975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	5091	10.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.80%	
35) Dibromofluoromethane	4.29	113	6598	39.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	78.38%	
50) Toluene-d8	7.72	98	22622	60.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.84%	
62) 4-Bromofluorobenzene	11.52	95	5431	23.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.28%	

Target Compounds

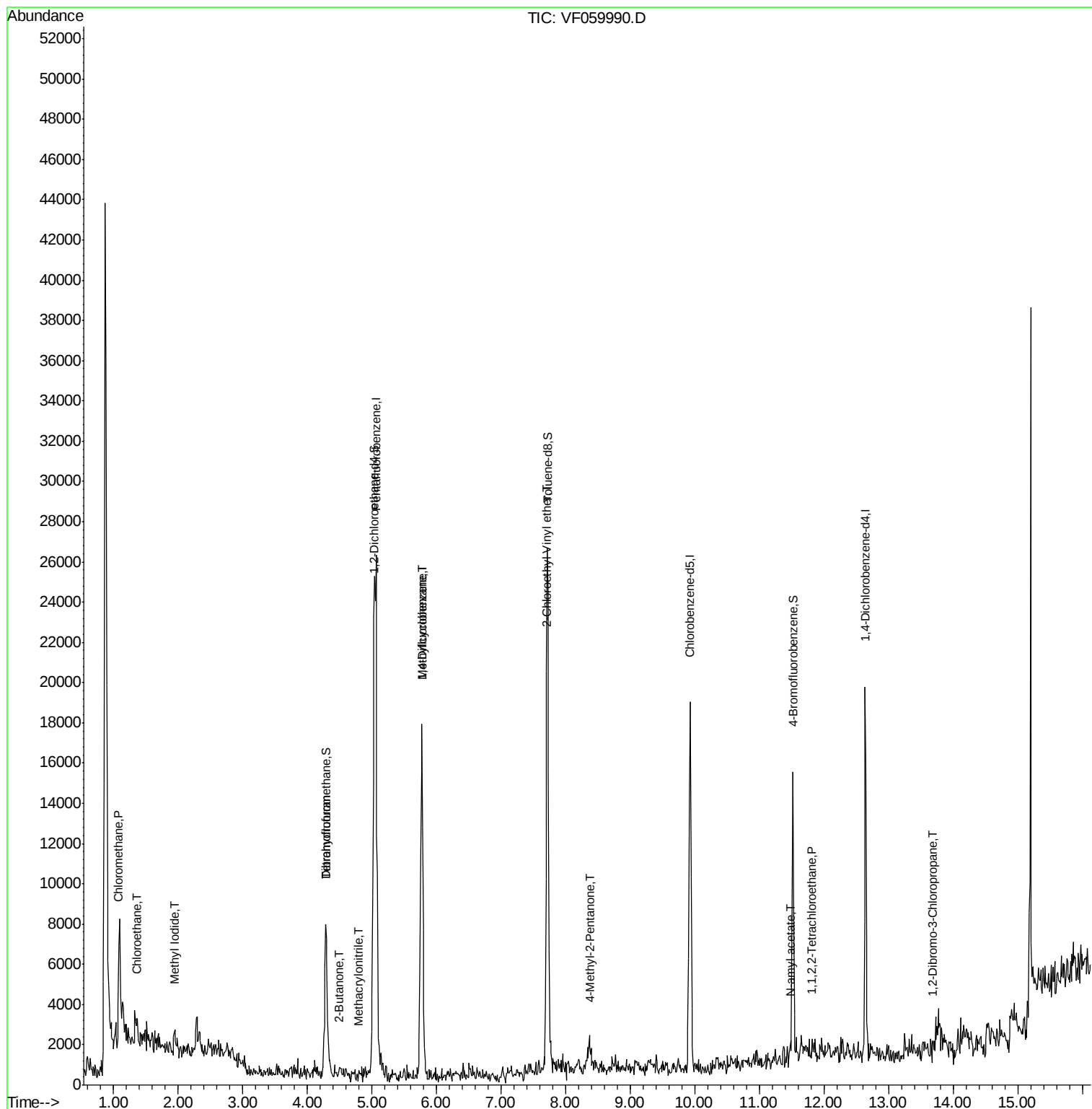
						Qvalue
3) Chloromethane	1.07	50	612	1.065	ug/l #	45
6) Chloroethane	1.37	64	559	4.191	ug/l #	44
10) Methyl Iodide	1.95	142	1099	2.520	ug/l #	73
16) Acetone	2.32	43	1237	Below Cal	#	64
18) Methyl Acetate	2.46	43	203	Below Cal	#	63
20) Methylene Chloride	2.28	84	597	Below Cal	#	84
25) 2-Butanone	4.49	43	127	1.073	ug/l #	63
29) Tetrahydrofuran	4.28	42	60	1.421	ug/l #	38
39) Methylcyclohexane	5.76	83	486	3.453	ug/l #	51
41) Methacrylonitrile	4.80	41	77	1.551	ug/l #	19
51) 4-Methyl-2-Pentanone	8.39	43	160	1.500	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.70	63	67	7.230	ug/l	100
74) N-amyl acetate	11.48	43	114	1.347	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	11.82	83	79	1.349	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.69	75	61	3.767	ug/l #	4

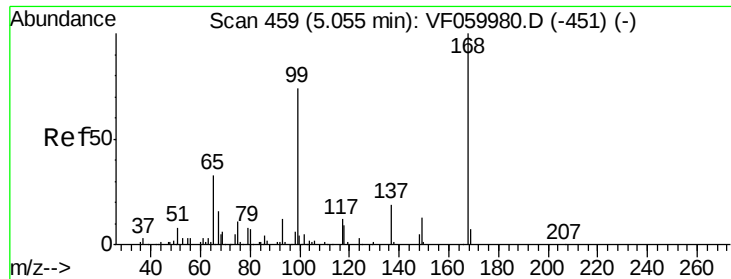
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF059990.D
Acq On : 18 Aug 2018 00:02
Operator : VA/AP
Sample : J4501-05RE
Misc : 5.05g/5mL/MSVOA_F/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-020RE

Quant Time: Aug 18 01:42:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

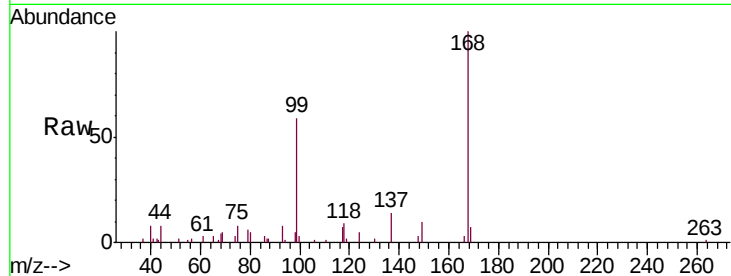
RA-081318-FL-020RE

Tgt Ion:168 Resp: 25361

Ion Ratio Lower Upper

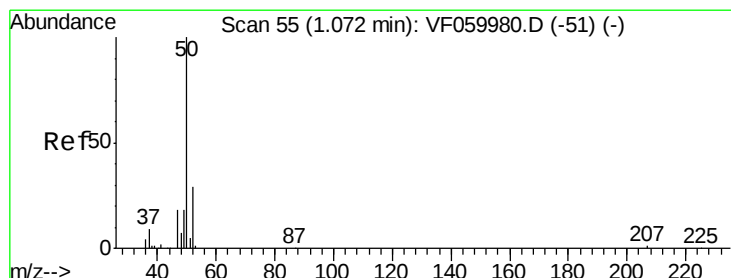
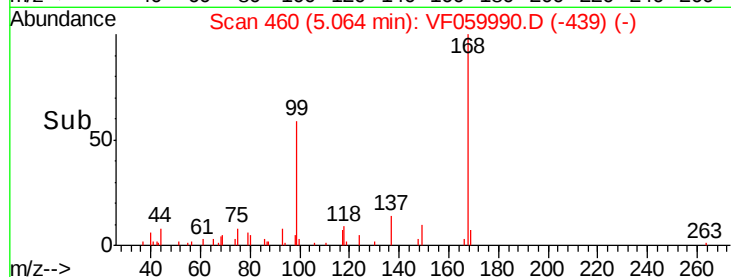
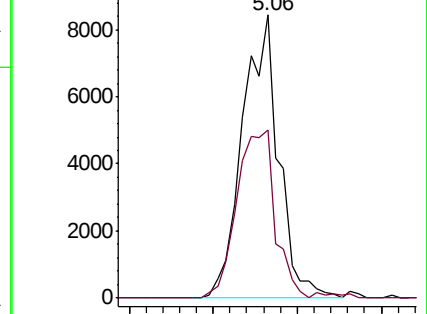
168 100

99 59.3 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.065 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059990.D

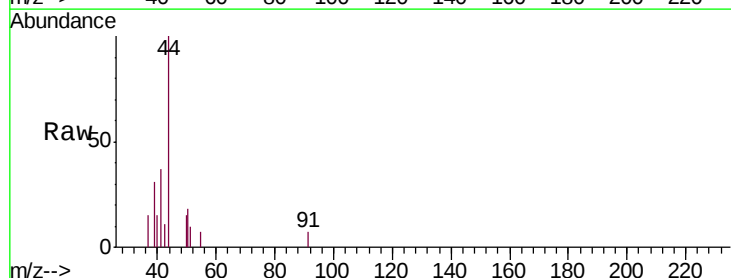
Acq: 18 Aug 2018 00:02

Tgt Ion: 50 Resp: 612

Ion Ratio Lower Upper

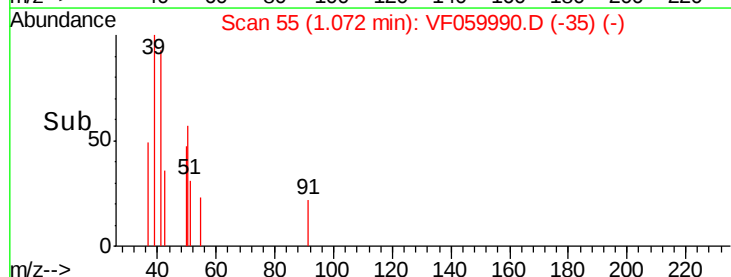
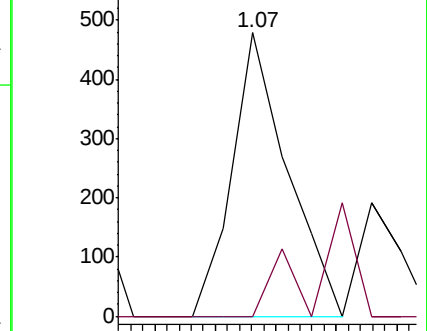
50 100

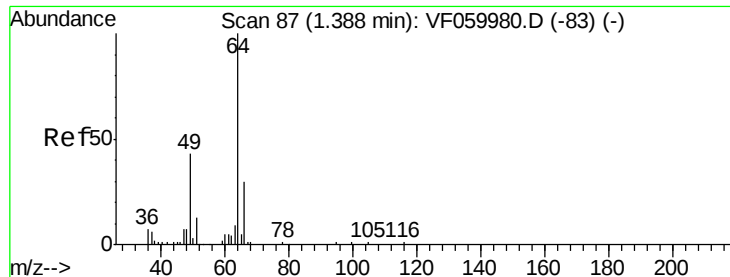
52 0.0 23.6 35.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#6

Chloroethane

Concen: 4.191 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

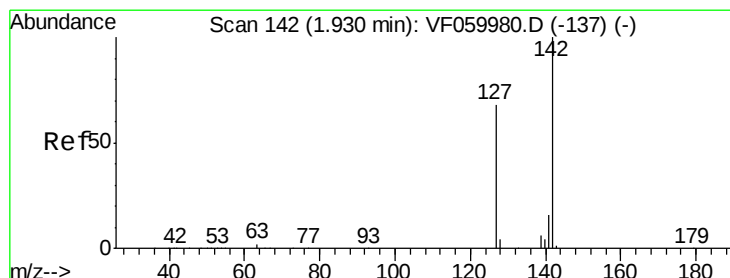
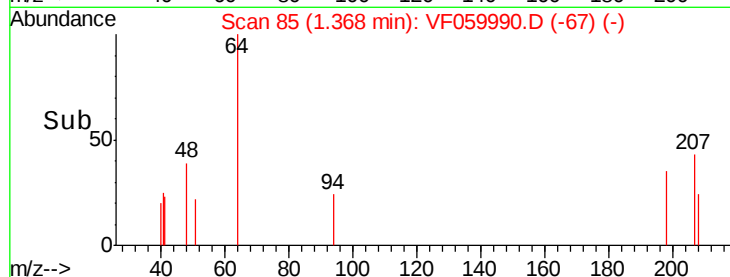
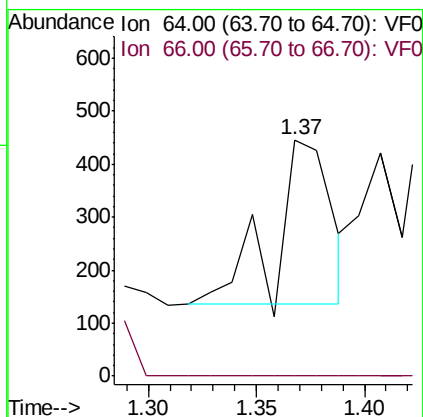
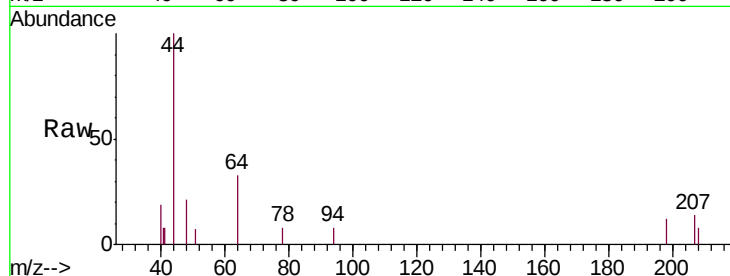
RA-081318-FL-020RE

Tgt Ion: 64 Resp: 559

Ion Ratio Lower Upper

64 100

66 0.0 24.4 36.6#



#10

Methyl Iodide

Concen: 2.520 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.02 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

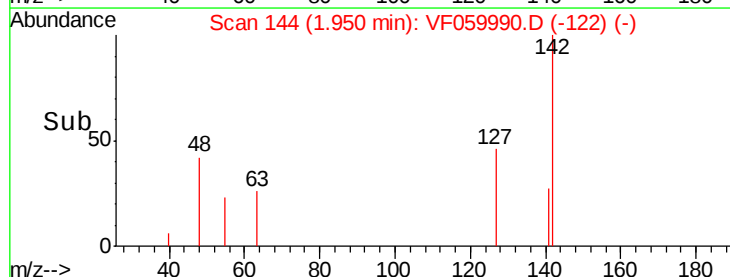
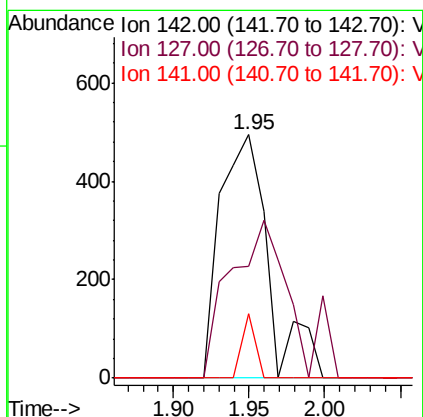
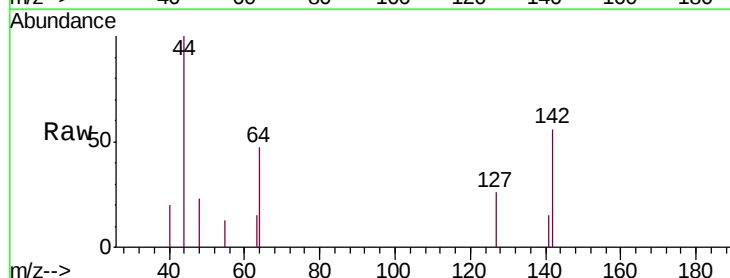
Tgt Ion: 142 Resp: 1099

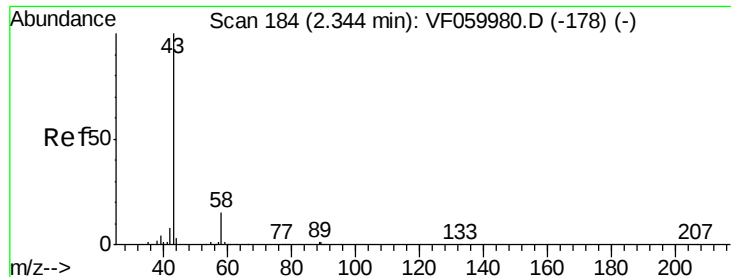
Ion Ratio Lower Upper

142 100

127 45.9 54.1 81.1#

141 26.7 12.5 18.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

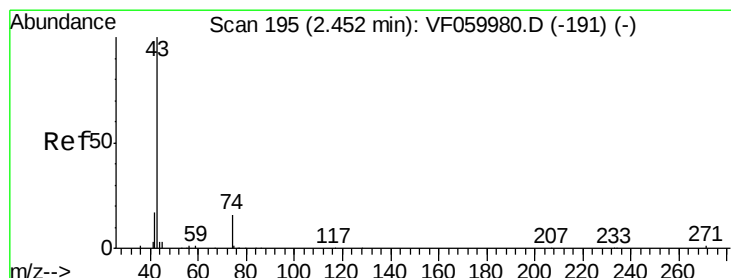
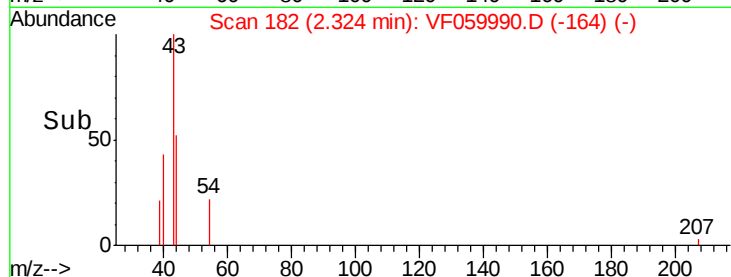
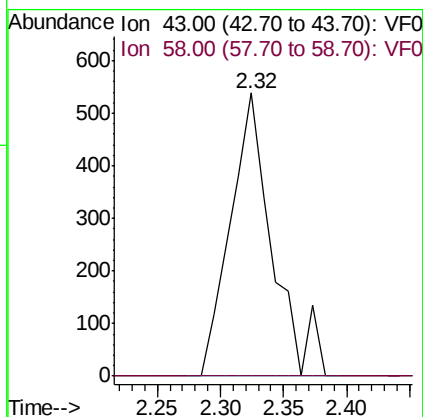
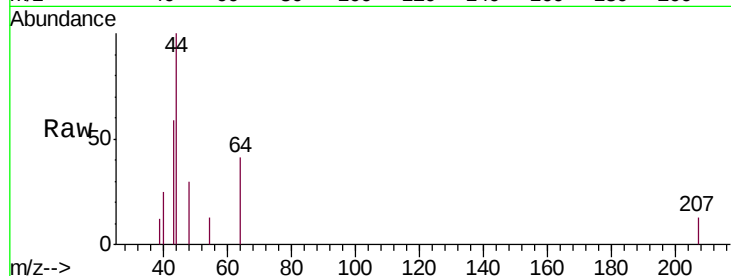
RA-081318-FL-020RE

Tgt Ion: 43 Resp: 1237

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF059990.D

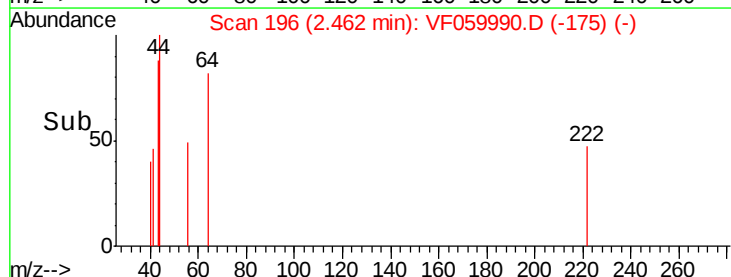
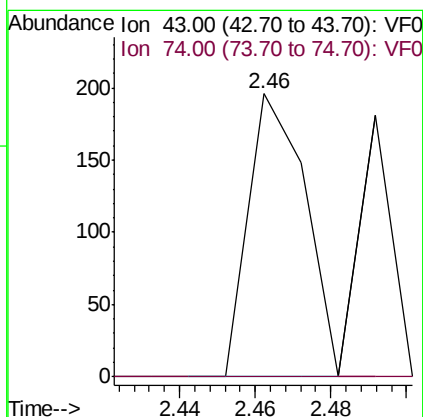
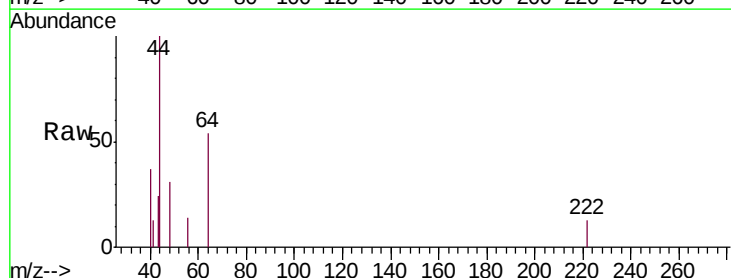
Acq: 18 Aug 2018 00:02

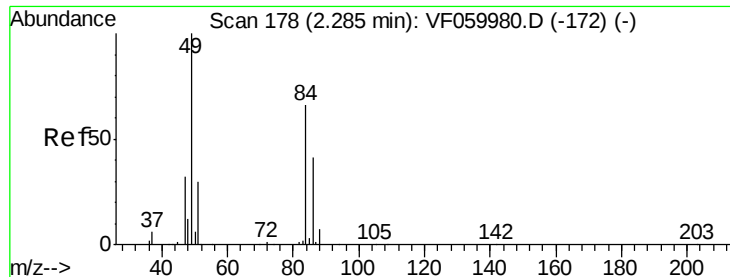
Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

74 0.0 12.3 18.5#

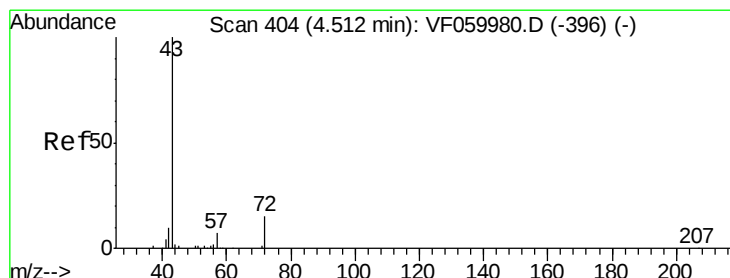
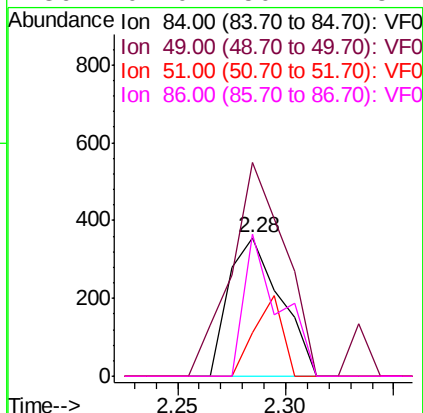
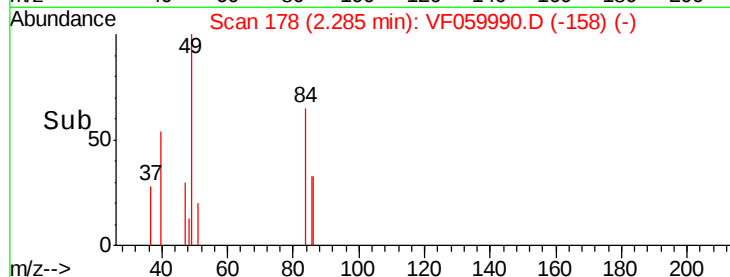
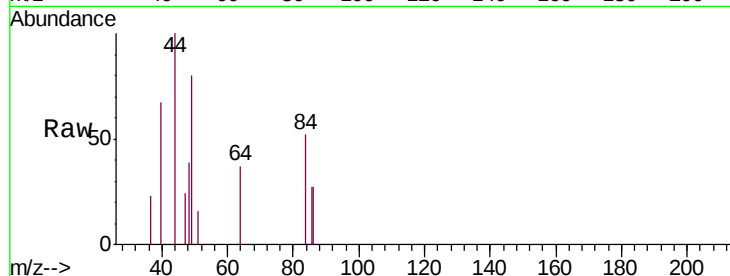




#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

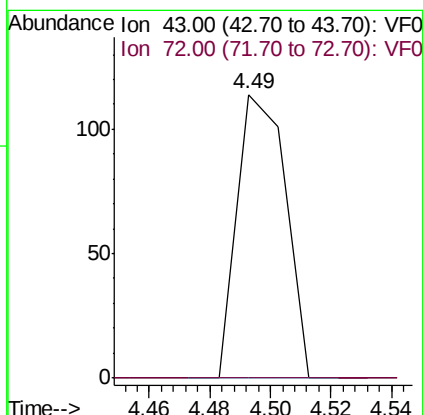
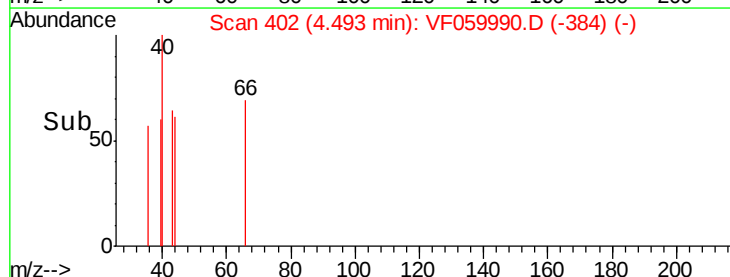
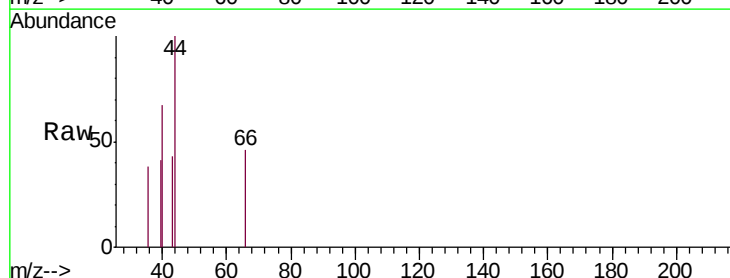
Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-020RE

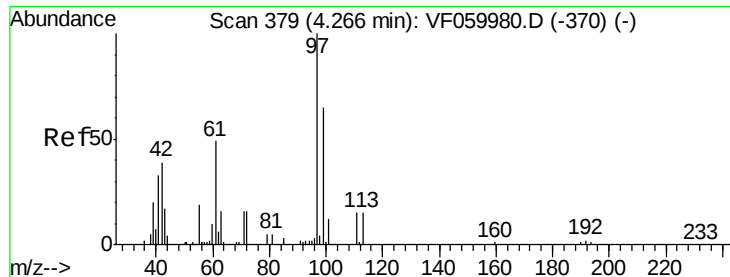
Tgt Ion: 84 Resp: 597
Ion Ratio Lower Upper
84 100
49 153.8 122.5 183.7
51 31.4 37.1 55.7#
86 102.0 50.2 75.2#



#25
2-Butanone
Concen: 1.073 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.02 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
72 0.0 12.5 18.7#





#29

Tetrahydrofuran

Concen: 1.421 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

RA-081318-FL-020RE

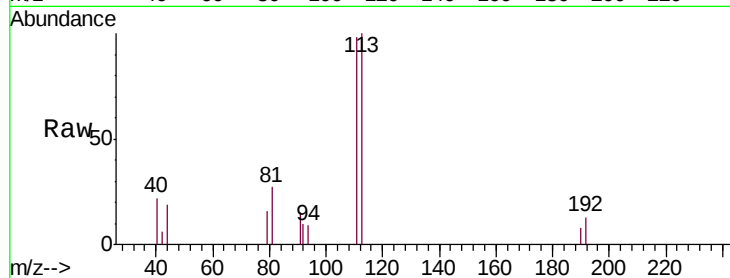
Tgt Ion: 42 Resp: 60

Ion Ratio Lower Upper

42 100

72 0.0 29.8 44.6#

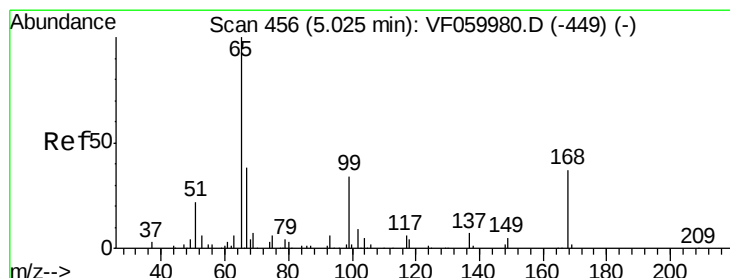
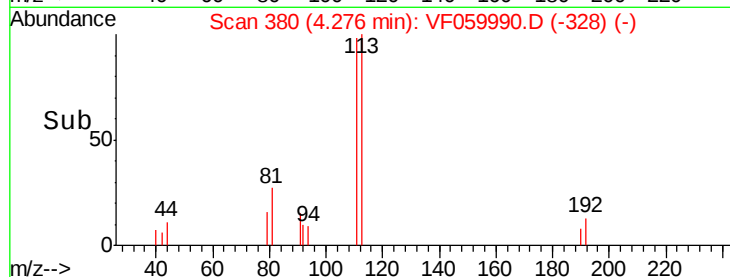
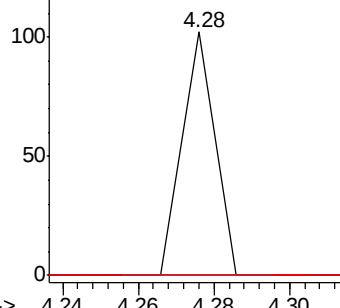
71 0.0 29.0 43.4#



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: 10.400 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059990.D

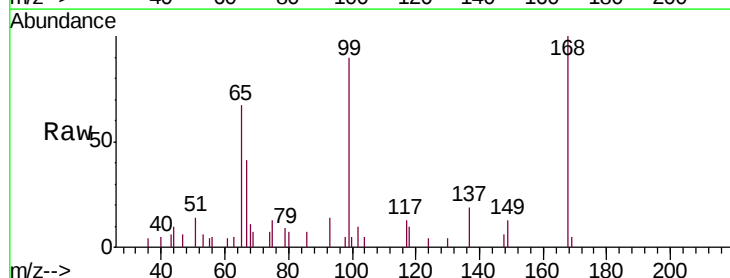
Acq: 18 Aug 2018 00:02

Tgt Ion: 65 Resp: 5091

Ion Ratio Lower Upper

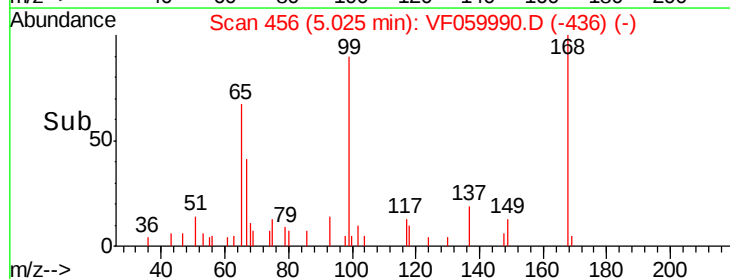
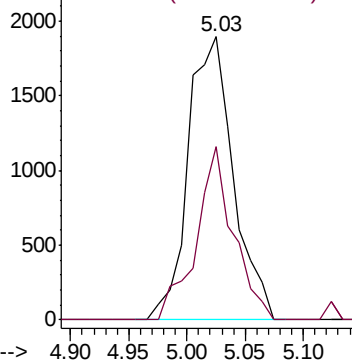
65 100

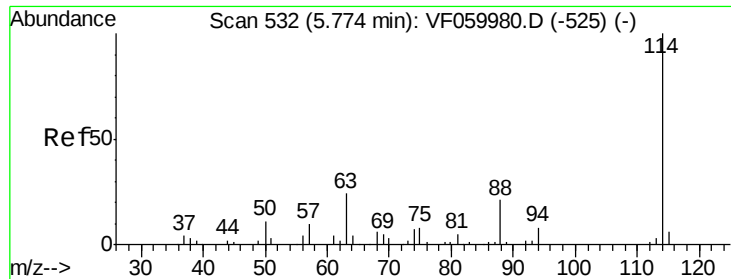
67 61.1 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

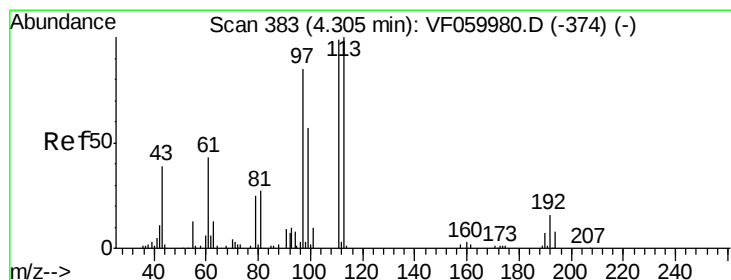
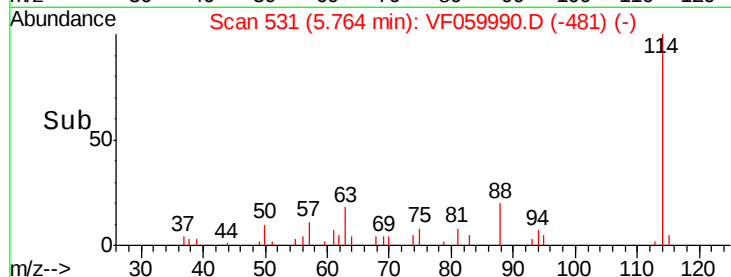
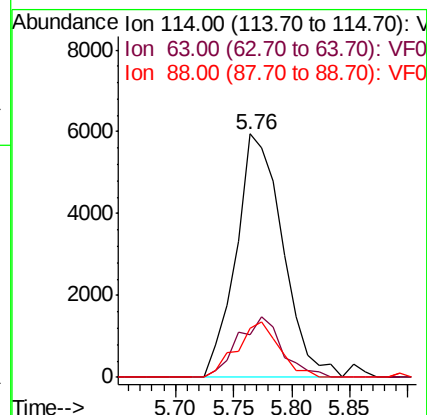
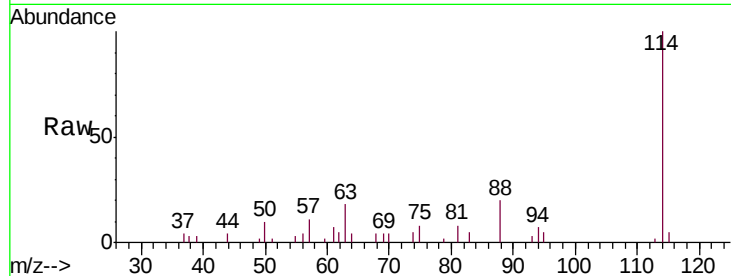




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF059990.D
 Acq: 18 Aug 2018 00:02

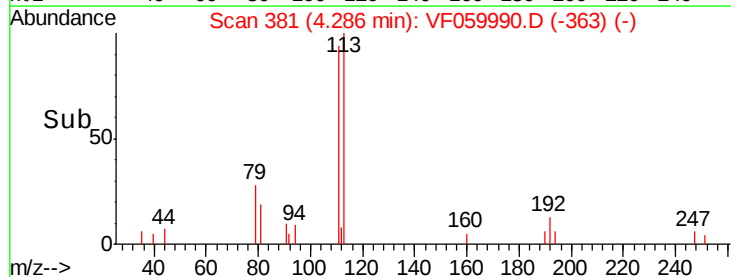
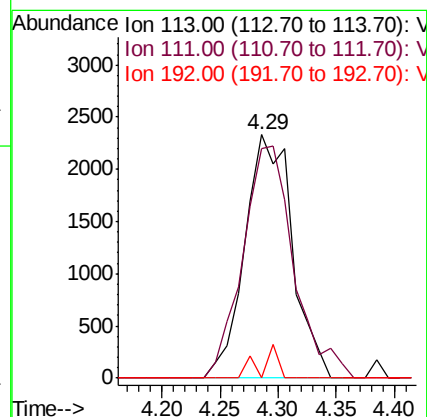
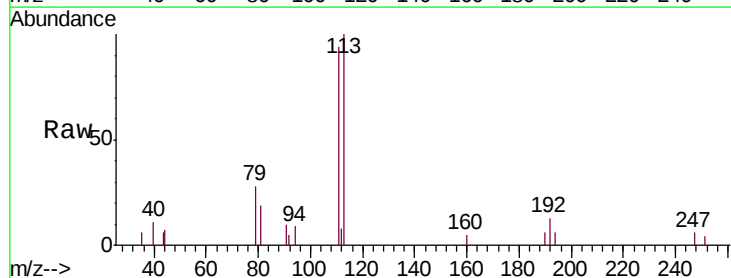
Instrument :
 MSVOA_F
 ClientSampleId :
 RA-081318-FL-020RE

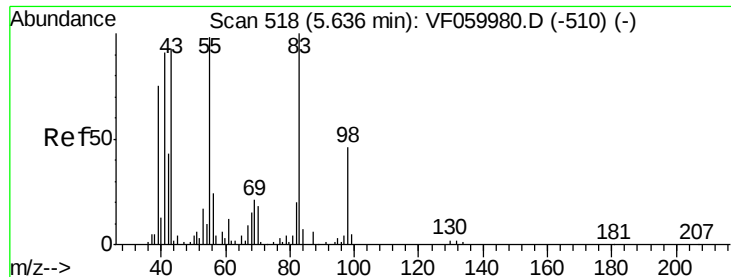
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	48.6
88	20.4	0.0	42.8



#35
 Dibromofluoromethane
 Concen: 39.186 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF059990.D
 Acq: 18 Aug 2018 00:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.3	79.5	119.3
192	0.0	12.4	18.6#

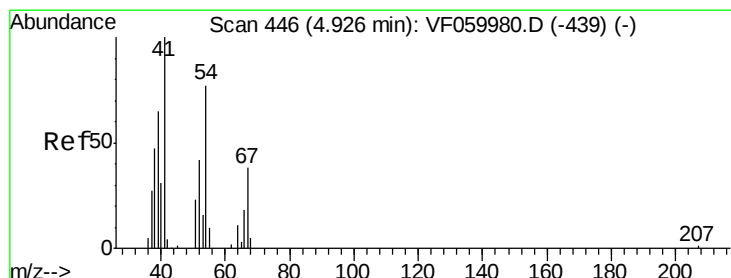
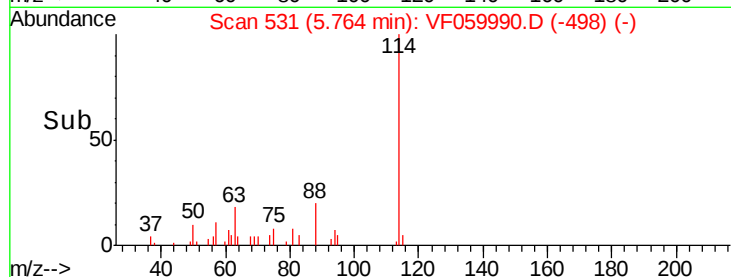
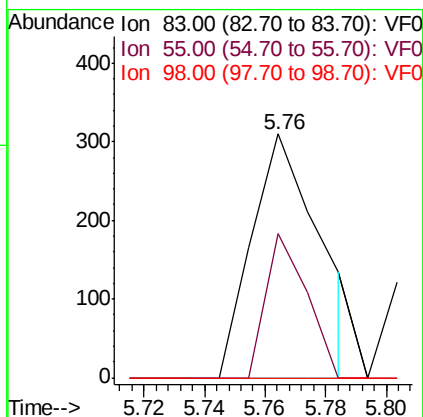
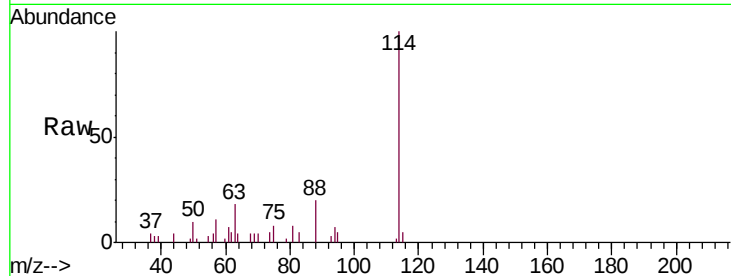




#39
Methylcyclohexane
Concen: 3.453 ug/l
RT: 5.76 min Scan# 531
Delta R.T. 0.13 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

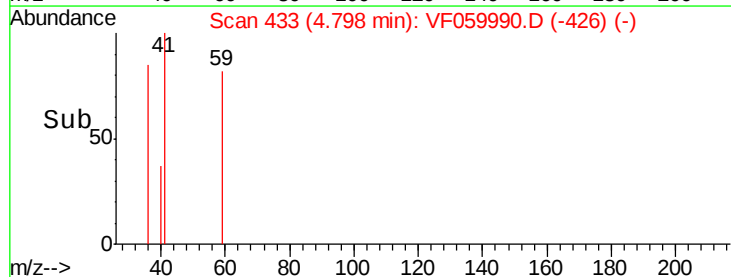
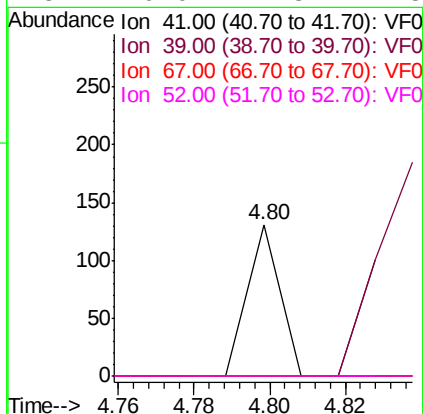
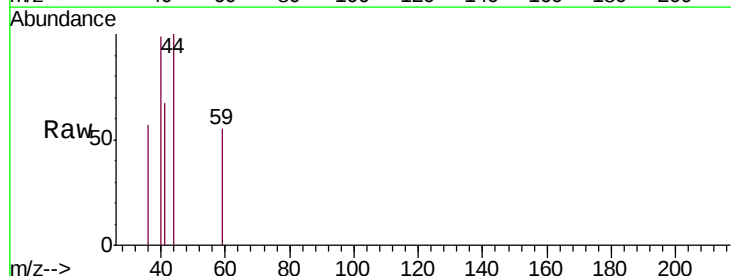
Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-020RE

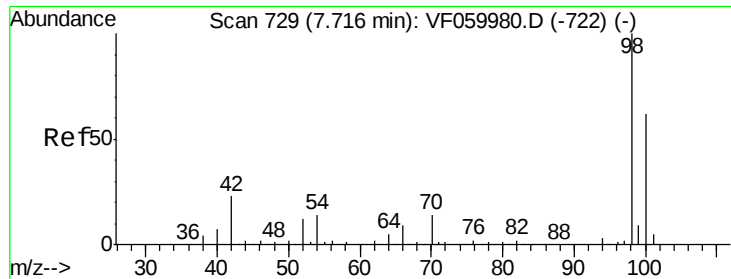
Tgt Ion: 83 Resp: 486
Ion Ratio Lower Upper
83 100
55 59.0 78.8 118.2#
98 0.0 36.8 55.2#



#41
Methacrylonitrile
Concen: 1.551 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.13 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 41 Resp: 77
Ion Ratio Lower Upper
41 100
39 0.0 62.9 94.3#
67 0.0 30.4 45.6#
52 0.0 47.8 71.8#

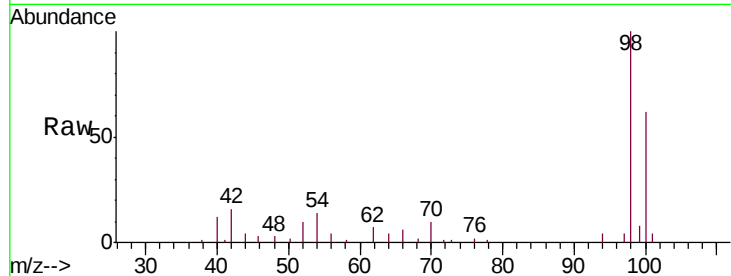




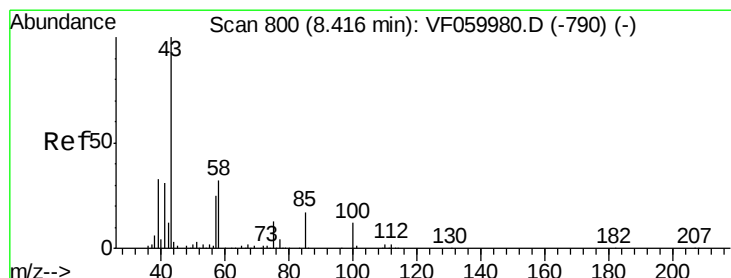
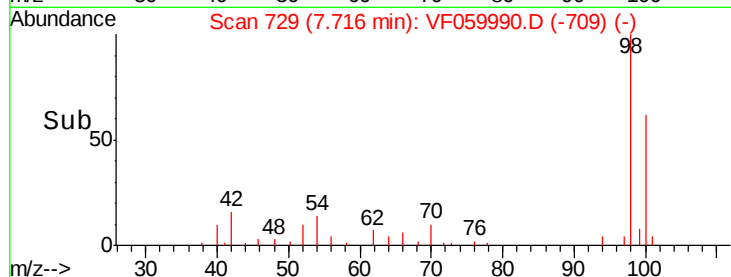
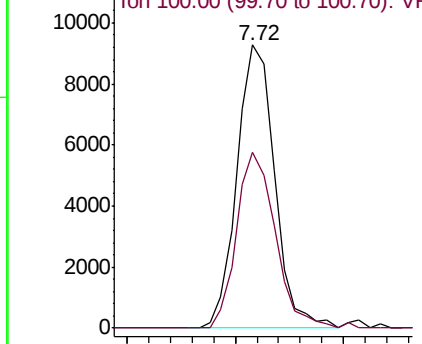
#50
Toluene-d8
Concen: 60.416 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

Instrument :
MSVOA_F
ClientSampleId :
RA-081318-FL-020RE

Tgt Ion: 98 Resp: 22622
Ion Ratio Lower Upper
98 100
100 62.2 49.8 74.8

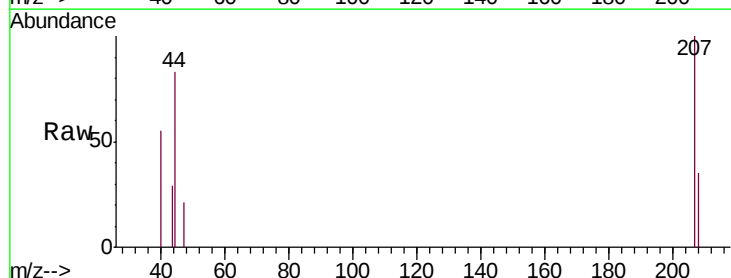


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF

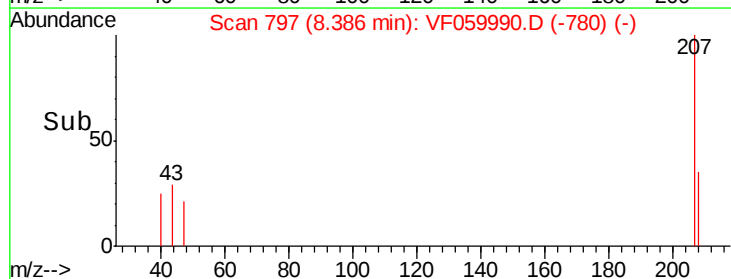
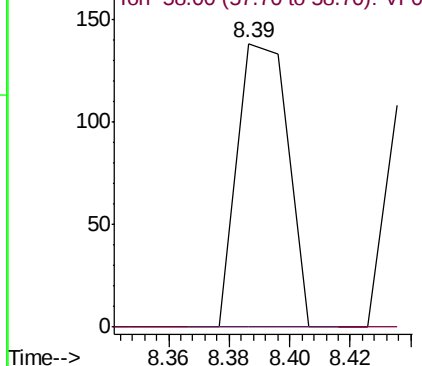


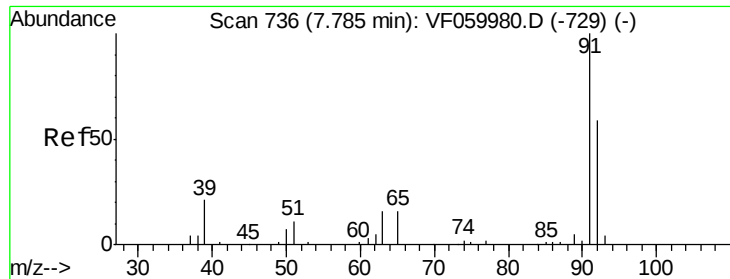
#51
4-Methyl-2-Pentanone
Concen: 1.500 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.03 min
Lab File: VF059990.D
Acq: 18 Aug 2018 00:02

Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 0.0 25.6 38.4#



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

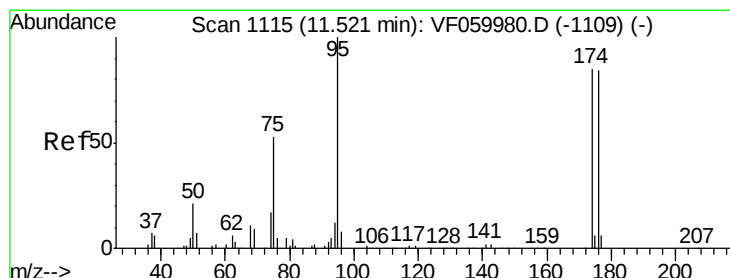
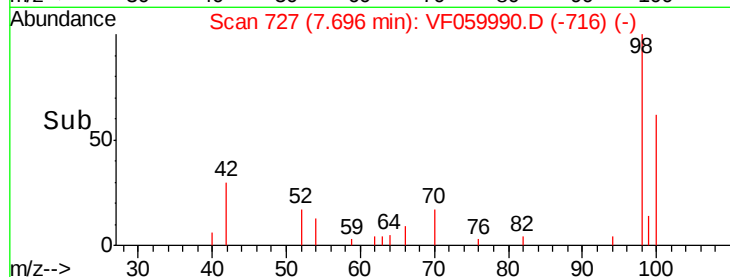
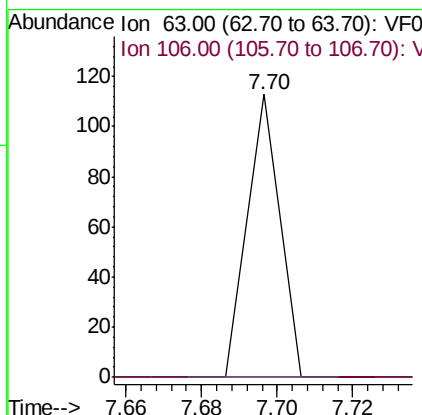
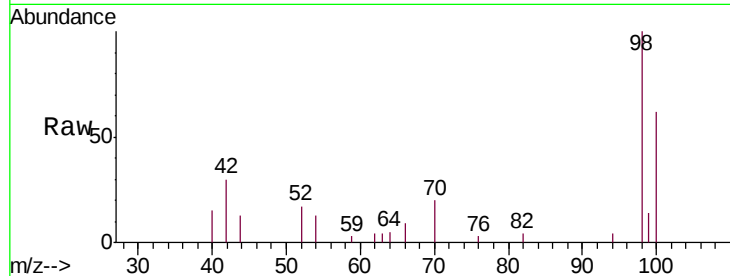




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.230 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.09 min
 Lab File: VF059990.D
 Acq: 18 Aug 2018 00:02

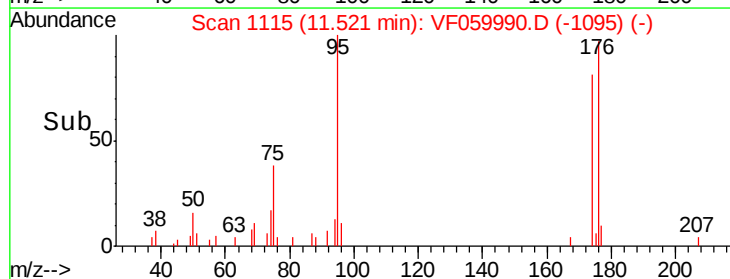
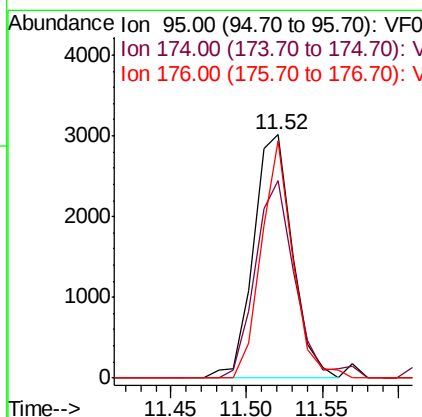
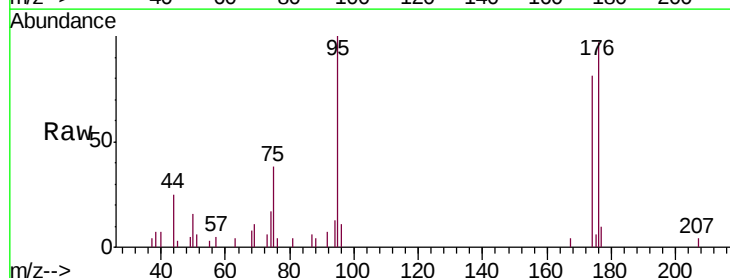
Instrument :
 MSVOA_F
 ClientSampleId :
 RA-081318-FL-020RE

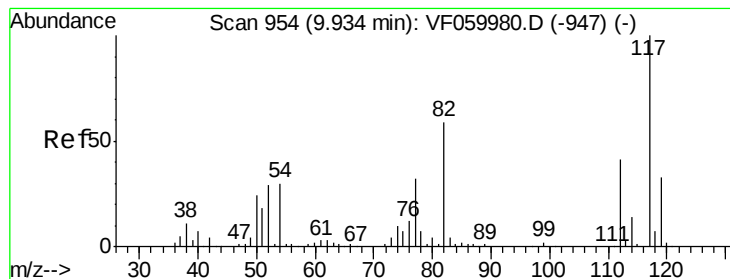
Tgt Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 23.636 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF059990.D
 Acq: 18 Aug 2018 00:02

Tgt Ion: 95 Resp: 5431
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 169.8
 176 97.4 0.0 167.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

RA-081318-FL-020RE

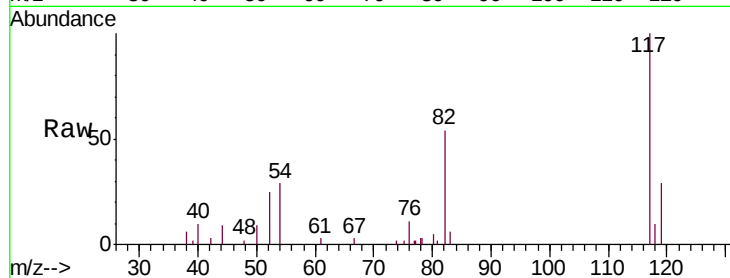
Tgt Ion:117 Resp: 13406

Ion Ratio Lower Upper

117 100

82 53.6 47.2 70.8

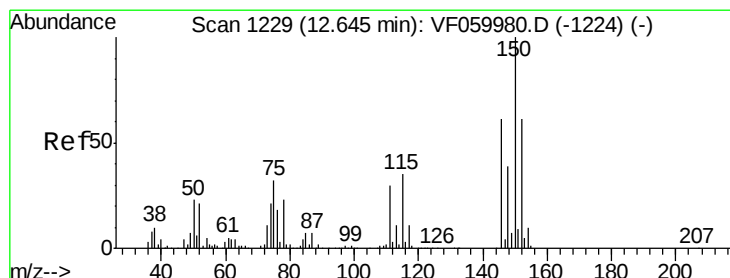
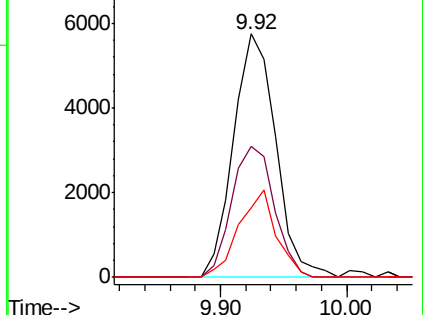
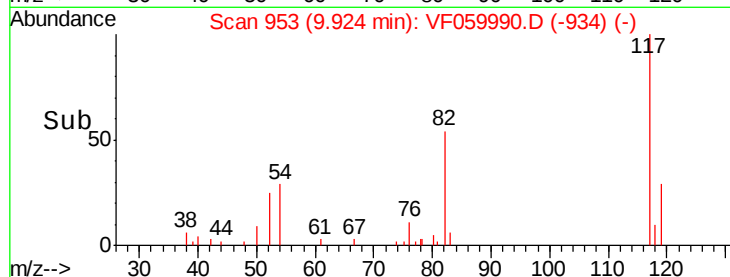
119 28.7 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

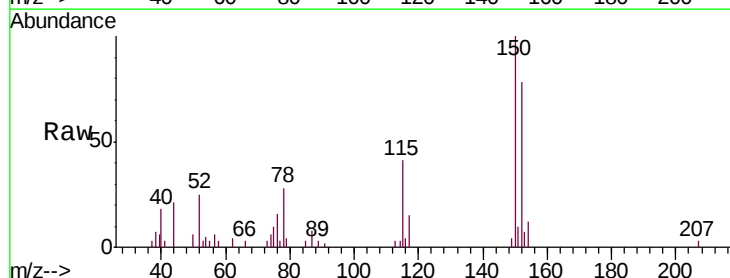
Tgt Ion:152 Resp: 4975

Ion Ratio Lower Upper

152 100

115 52.8 29.1 87.3

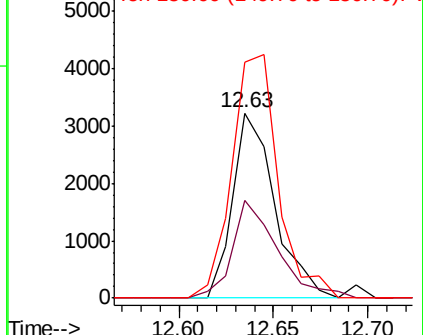
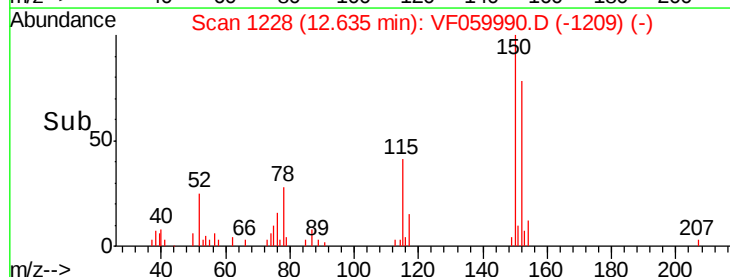
150 127.5 0.0 330.2

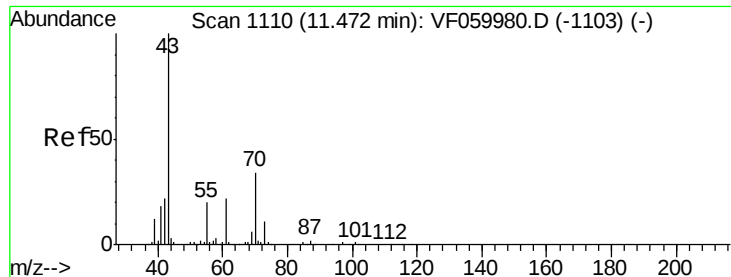


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-ethyl acetate

Concen: 1.347 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

RA-081318-FL-020RE

Tgt Ion: 43 Resp: 114

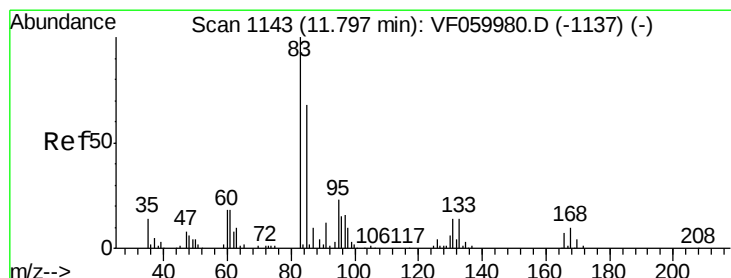
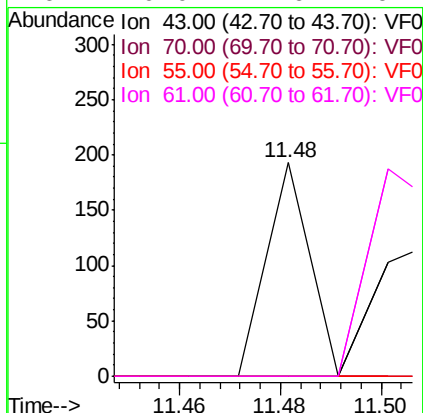
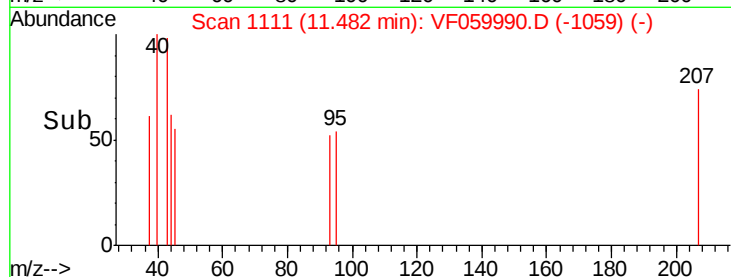
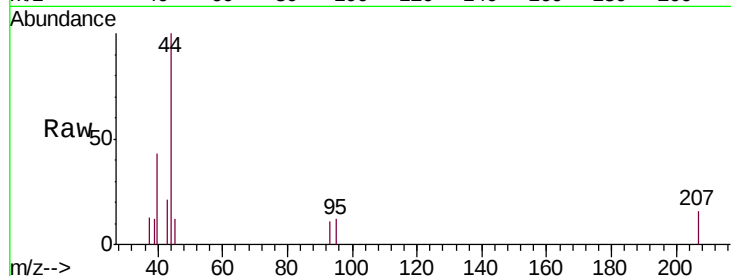
Ion Ratio Lower Upper

43 100

70 0.0 27.2 40.8#

55 0.0 16.4 24.6#

61 0.0 17.6 26.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.349 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF059990.D

Acq: 18 Aug 2018 00:02

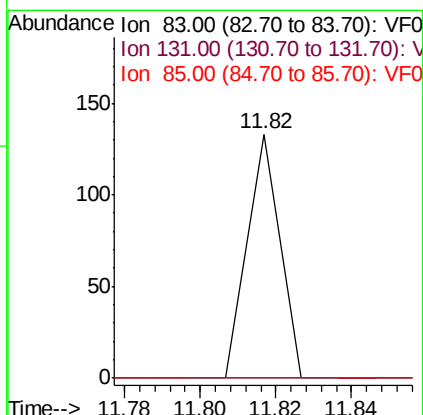
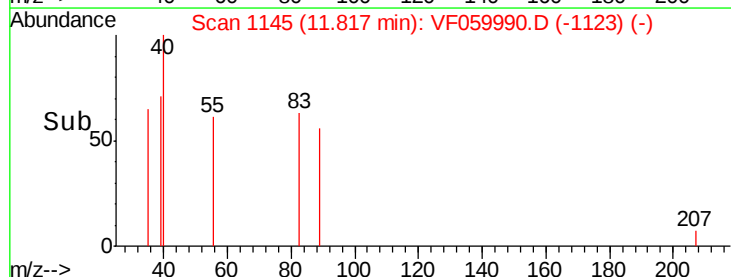
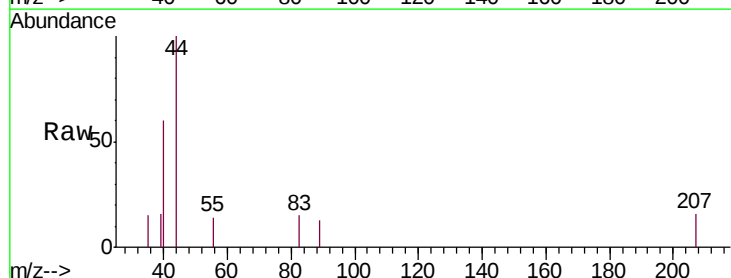
Tgt Ion: 83 Resp: 79

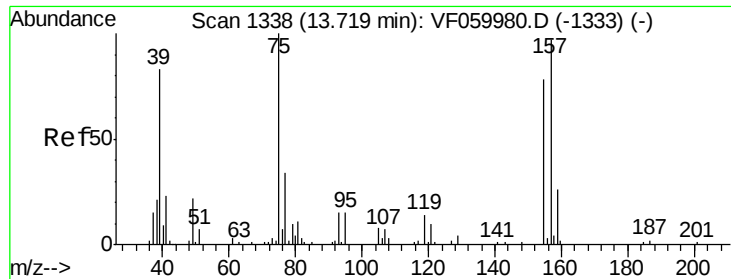
Ion Ratio Lower Upper

83 100

131 0.0 7.2 21.6#

85 0.0 34.1 102.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.767 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VF059990.D

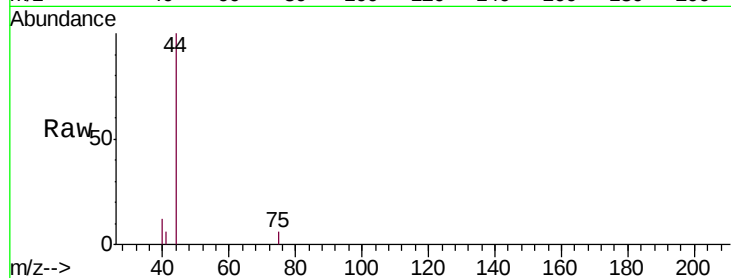
Acq: 18 Aug 2018 00:02

Instrument :

MSVOA_F

ClientSampleId :

RA-081318-FL-020RE



Tgt Ion:	75	Resp:	61
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.9	116.7#
157	0.0	50.8	152.5#

