

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062087.D
 Acq On : 22 Mar 2019 17:22
 Operator : VA/AP
 Sample : K2043-03
 Misc : 6.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB442-190319-(14-16)

Quant Time: Mar 23 04:15:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.91
34) 1,4-Difluorobenzene	5.49	114	64	50.00	ug/l	-0.14
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.81
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.57

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.23	95	69	138.30	ug/l	-0.21
Spiked Amount 50.000			Recovery	=	276.60%	

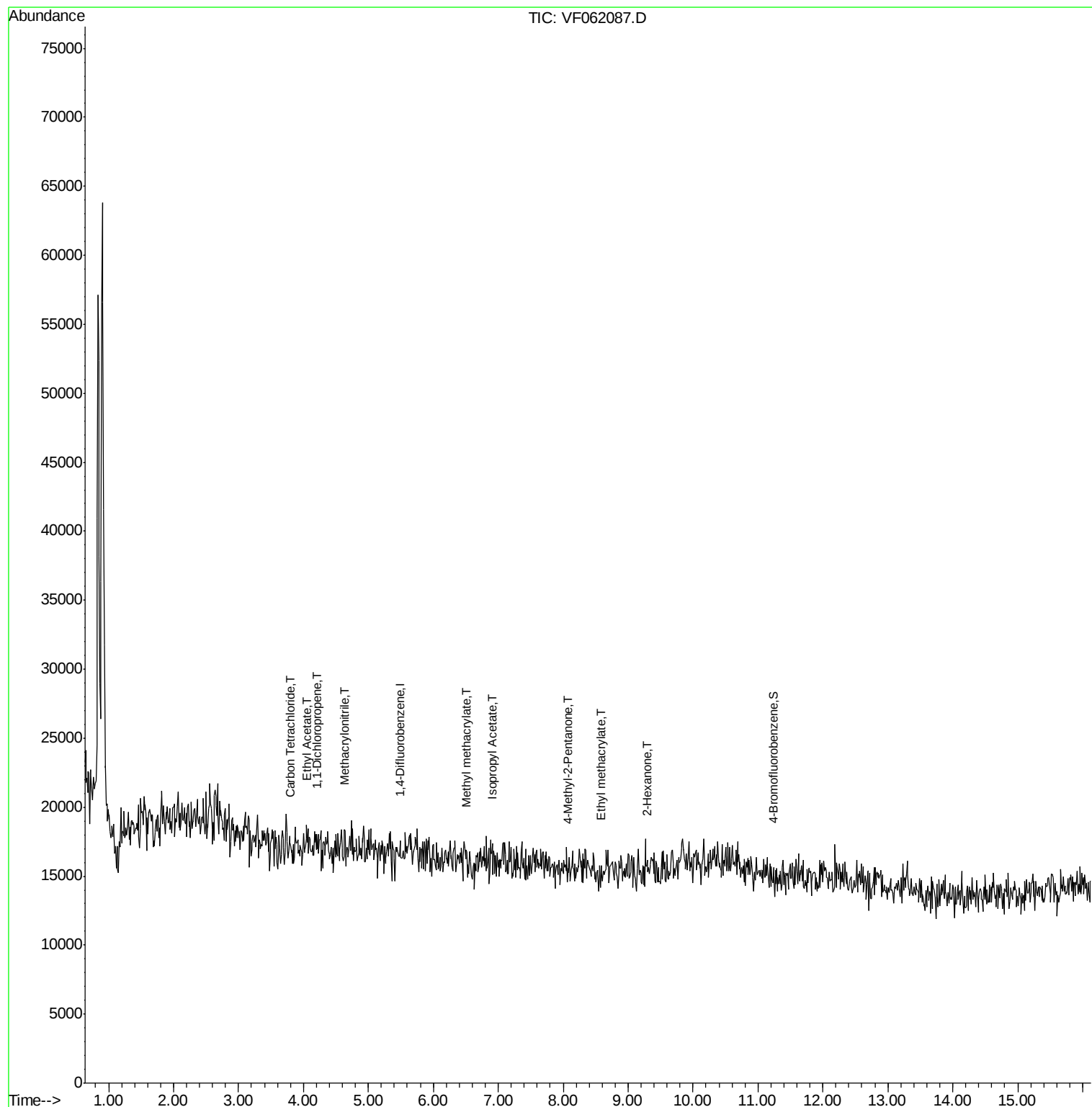
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.22	75	67	109.908	ug/l #	39
37) Ethyl Acetate	4.05	43	64	240.229	ug/l #	24
38) Carbon Tetrachloride	3.80	117	64	154.037	ug/l #	13
41) Methacrylonitrile	4.64	41	209	1482.676	ug/l #	37
43) Isopropyl Acetate	6.90	43	160	495.909	ug/l #	42
48) Methyl methacrylate	6.52	41	136	740.328	ug/l #	14
51) 4-Methyl-2-Pentanone	8.07	43	69	319.524	ug/l #	33
56) Ethyl methacrylate	8.58	69	62	193.357	ug/l #	29
59) 2-Hexanone	9.30	43	100	631.836	ug/l #	22

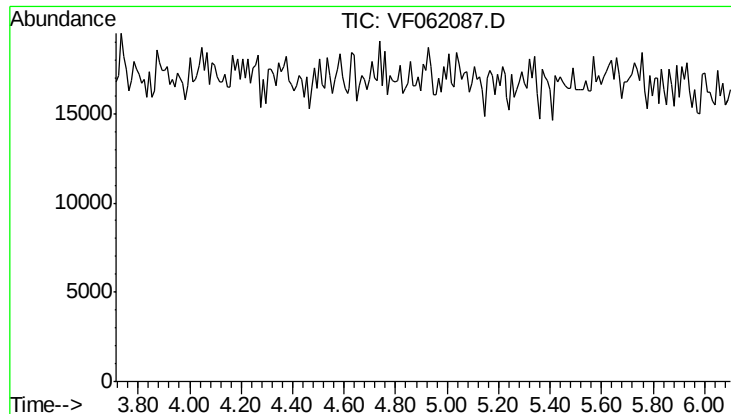
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 23 04:15:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.91 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Tot Ion: 168

Sig Exp Ratio

168 100

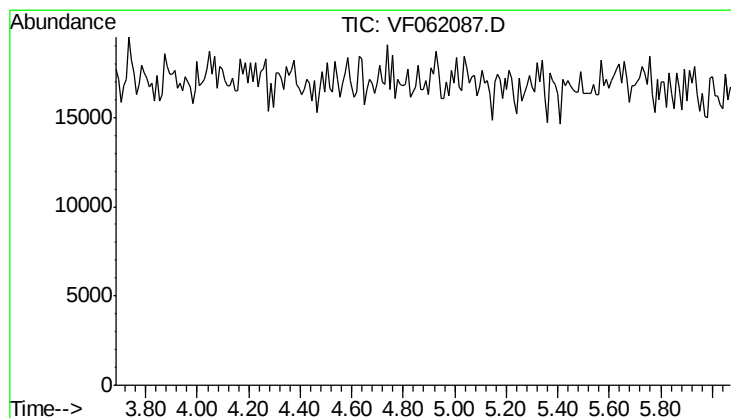
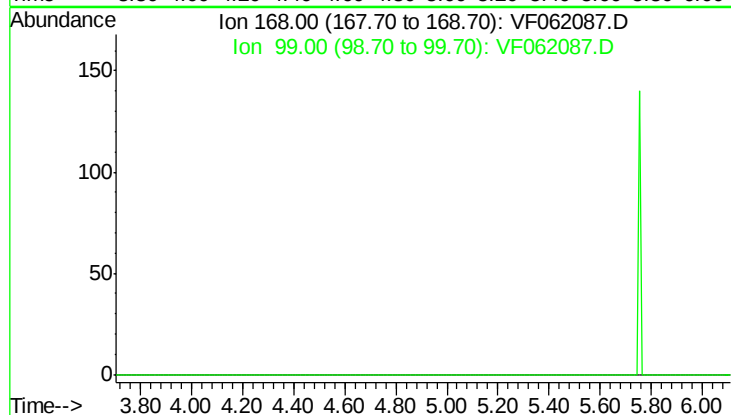
99 47.8

Instrument :

MSVOA_F

ClientSampleId :

WP022SB442-190319-(14-16)



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.88 min

Lab File: VF062087.D

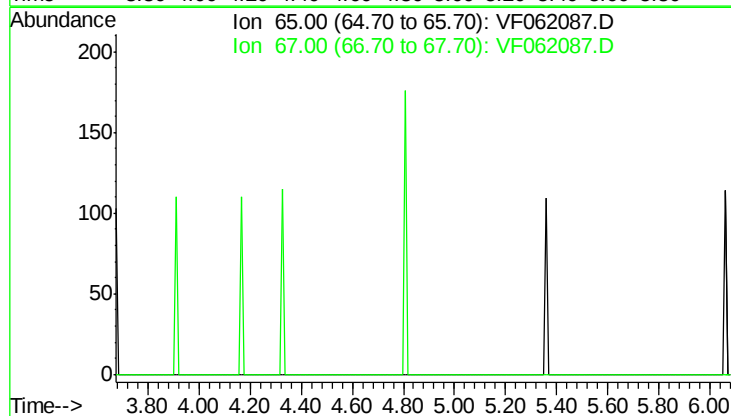
Acq: 22 Mar 2019 17:22

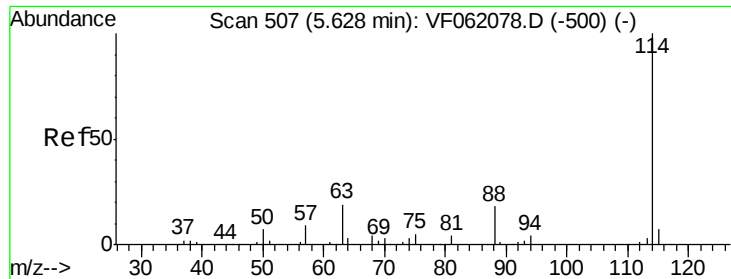
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.1

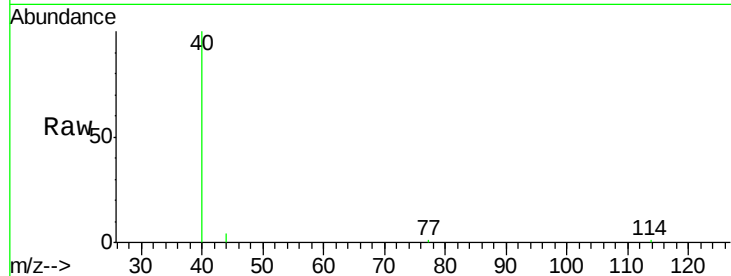




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.14 min
 Lab File: VF062087.D
 Acq: 22 Mar 2019 17:22

Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB442-190319-(14-16)

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	37.8
88	0.0	0.0	36.4

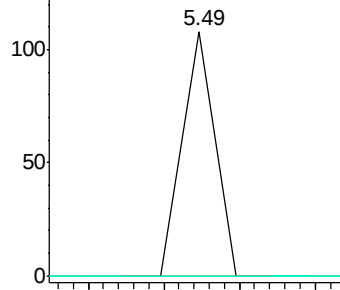


Abundance

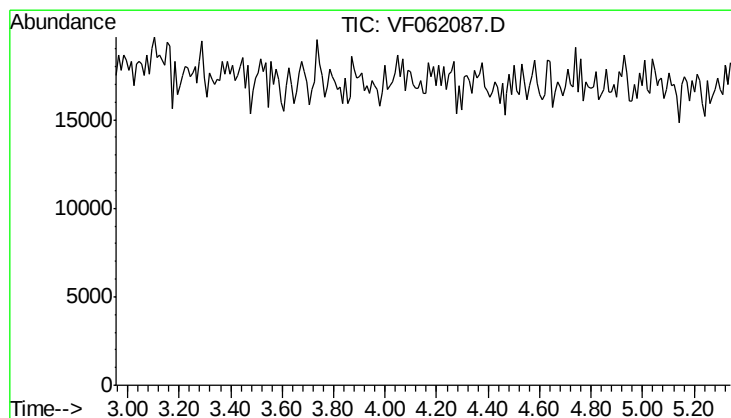
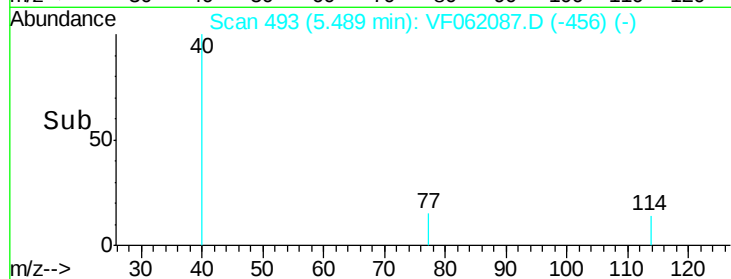
Ion 114.00 (113.70 to 114.70): VF062087.D

Ion 63.00 (62.70 to 63.70): VF062087.D

Ion 88.00 (87.70 to 88.70): VF062087.D

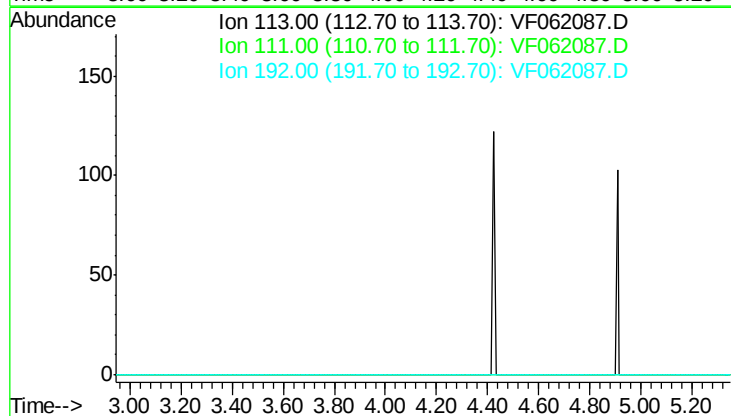


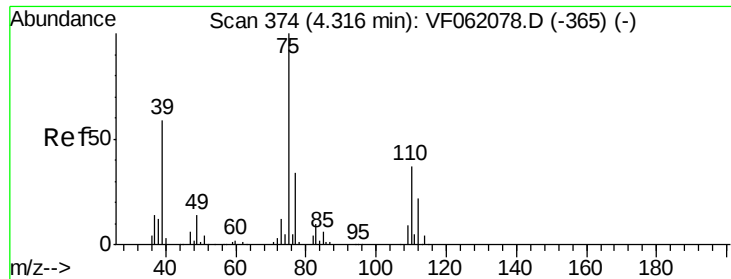
Time-->



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.15 min
 Lab File: VF062087.D
 Acq: 22 Mar 2019 17:22

Tgt Ion	Exp Ratio
113	100
111	94.2
192	15.4

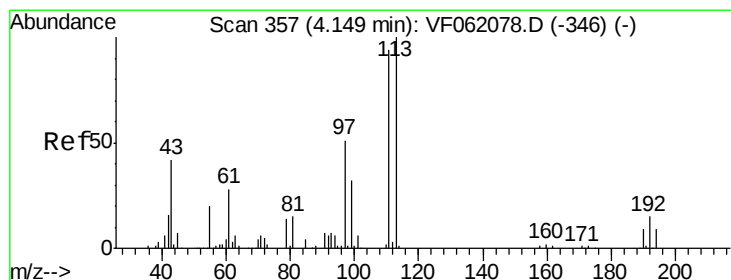
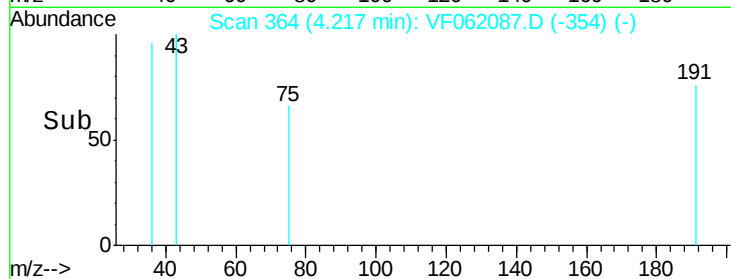
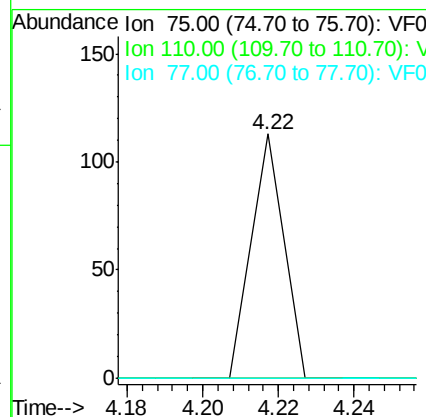
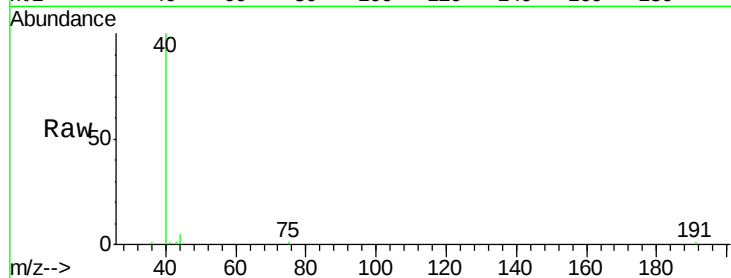




#36
 1,1-Dichloropropene
 Concen: 109.908 ug/l
 RT: 4.22 min Scan# 364
 Delta R.T. -0.10 min
 Lab File: VF062087.D
 Acq: 22 Mar 2019 17:22

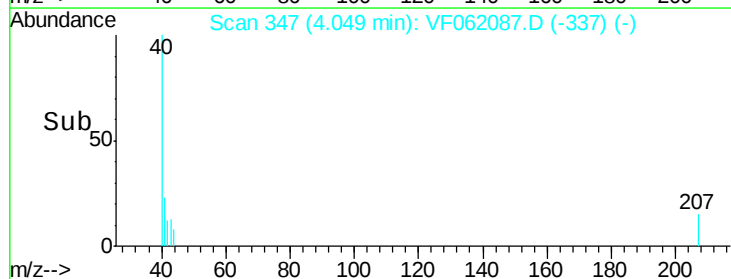
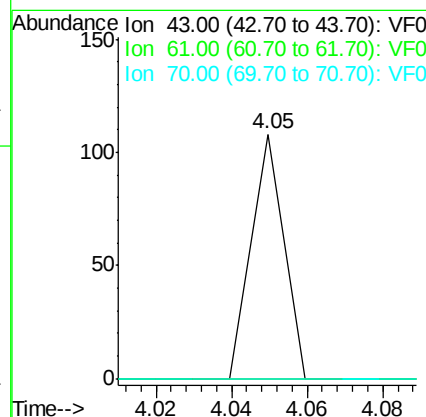
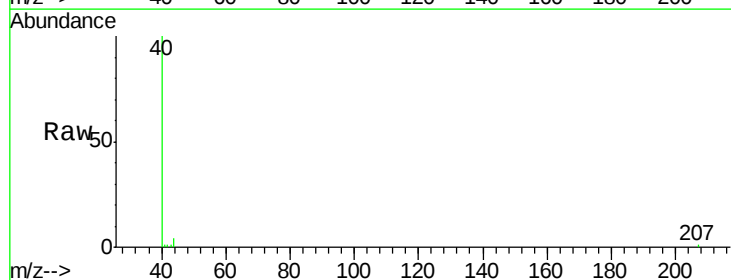
Instrument :
 MSVOA_F
 ClientSampleId :
 WP022SB442-190319-(14-16)

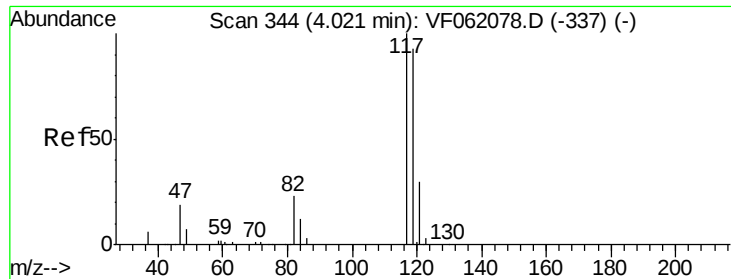
Tot Ion: 75 Resp: 67
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.5 55.5#
 77 0.0 27.4 41.0#



#37
 Ethyl Acetate
 Concen: 240.229 ug/l
 RT: 4.05 min Scan# 347
 Delta R.T. -0.10 min
 Lab File: VF062087.D
 Acq: 22 Mar 2019 17:22

Tgt Ion: 43 Resp: 64
 Ion Ratio Lower Upper
 43 100
 61 0.0 53.6 80.4#
 70 0.0 9.0 13.6#





#38

Carbon Tetrachloride

Concen: 154.037 ug/l

RT: 3.80 min Scan# 322

Delta R.T. -0.22 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Instrument :

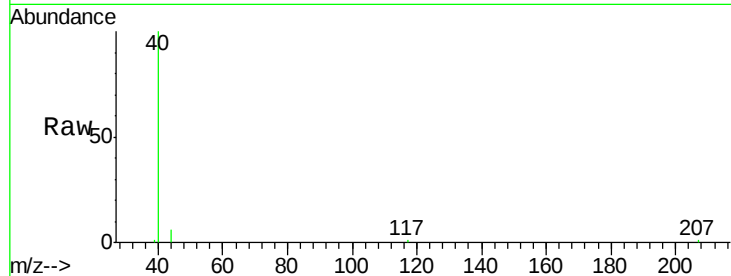
MSVOA_F

ClientSampleId :

WP022SB442-190319-(14-16)

Tot Ion:117 Resp: 64

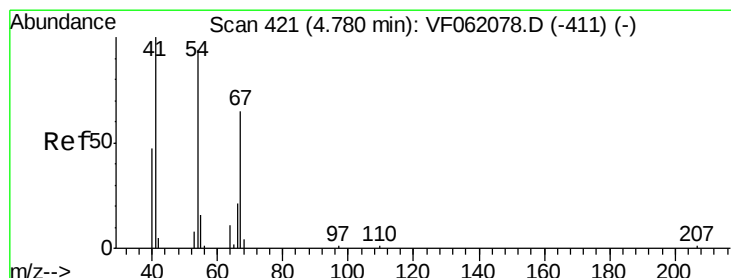
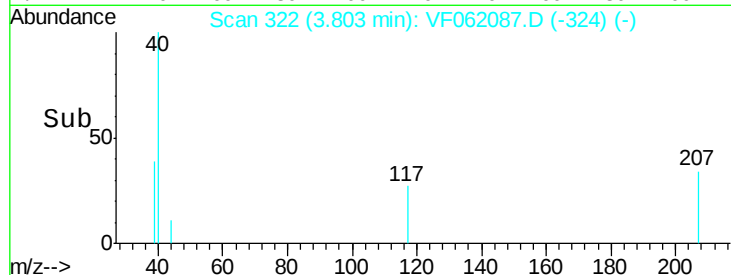
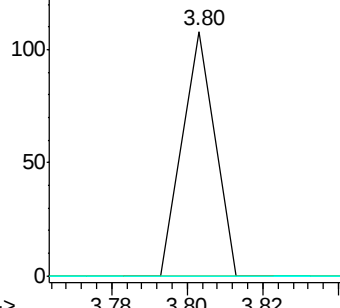
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.7	112.1#
121	0.0	23.6	35.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#41

Methacrylonitrile

Concen: 1482.676 ug/l

RT: 4.64 min Scan# 407

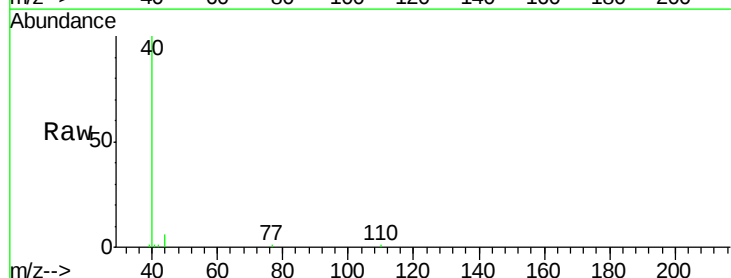
Delta R.T. -0.14 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Tgt Ion: 41 Resp: 209

Ion	Ratio	Lower	Upper
41	100		
39	80.6	43.5	65.3#
67	0.0	51.6	77.4#
52	0.0	36.5	54.7#

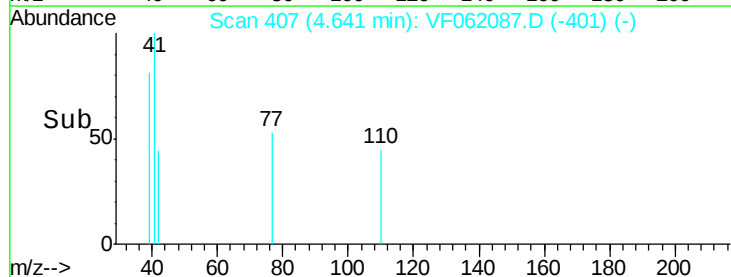
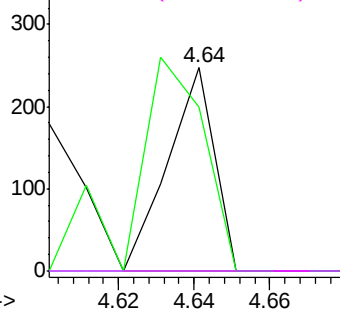


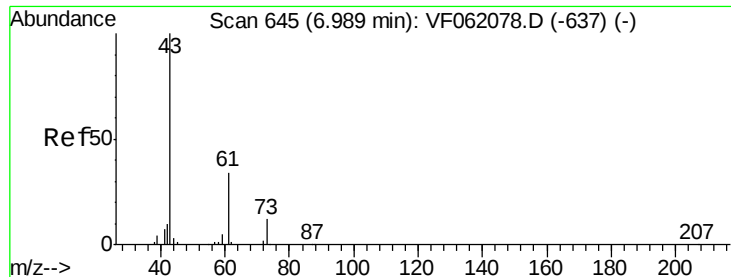
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 495.909 ug/l

RT: 6.90 min Scan# 636

Delta R.T. -0.09 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

WP022SB442-190319-(14-16)

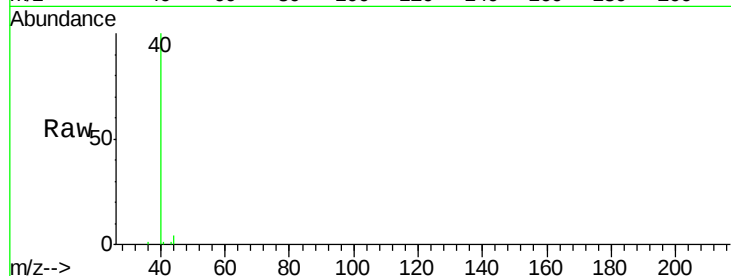
Tot Ion: 43 Resp: 160

Ion Ratio Lower Upper

43 100

61 0.0 27.0 40.4#

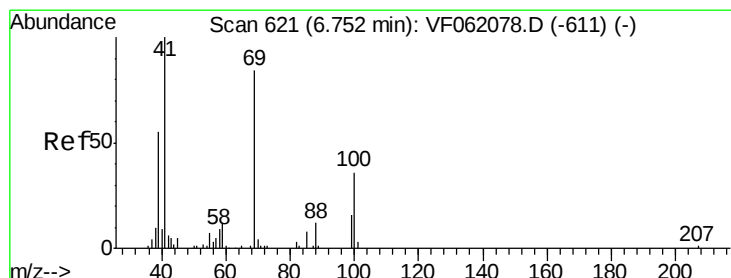
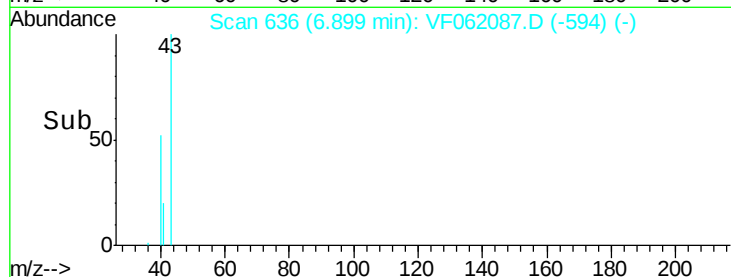
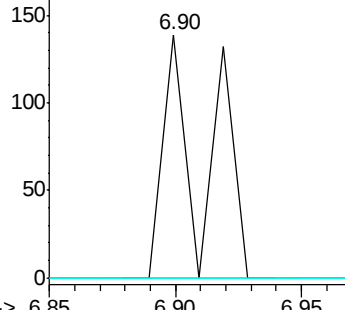
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#48

Methyl methacrylate

Concen: 740.328 ug/l

RT: 6.52 min Scan# 598

Delta R.T. -0.23 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

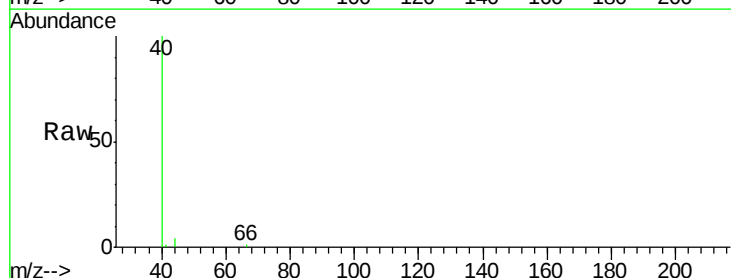
Tgt Ion: 41 Resp: 136

Ion Ratio Lower Upper

41 100

69 0.0 66.6 100.0#

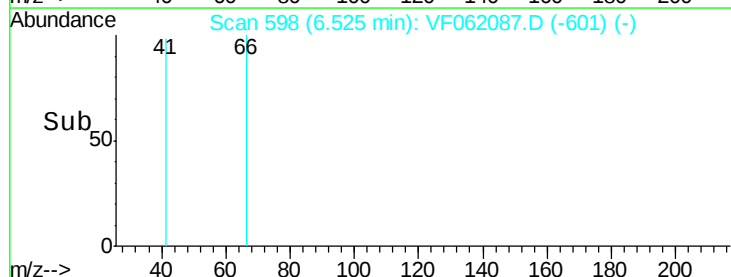
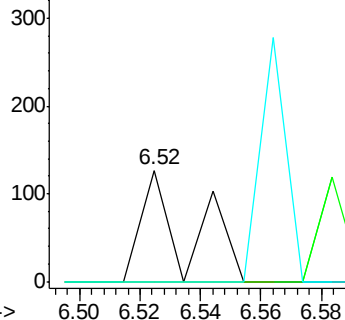
39 0.0 43.6 65.4#

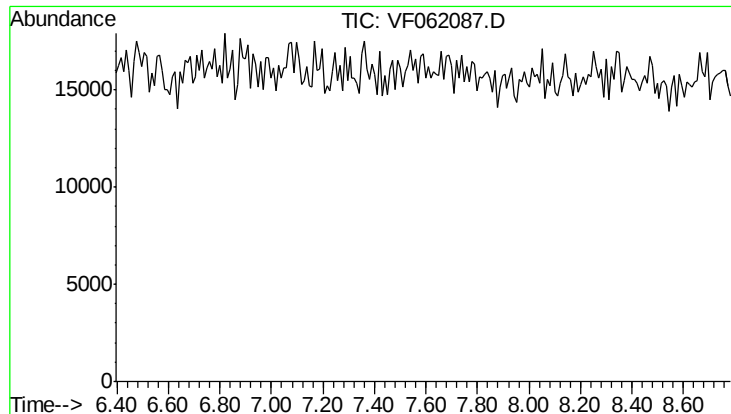


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



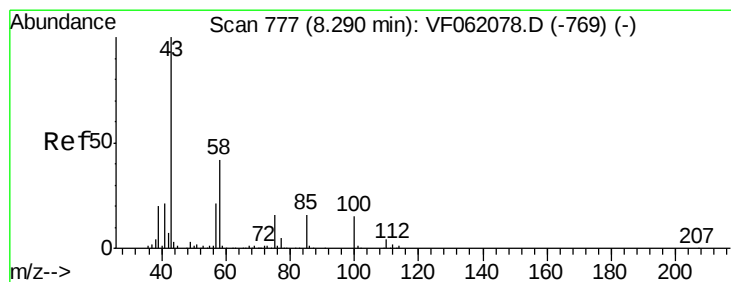
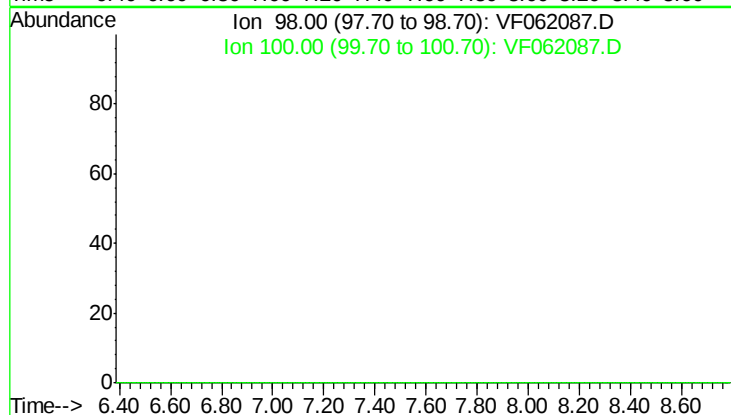


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.59 min

Lab File: VF062087.D
Acq: 22 Mar 2019 17:22

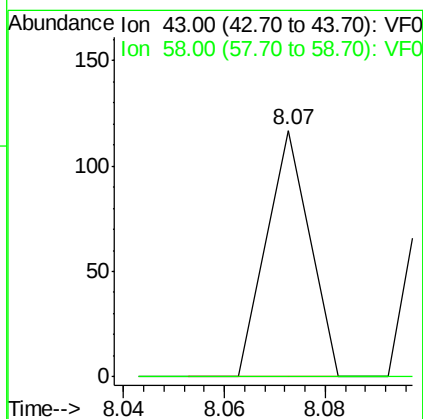
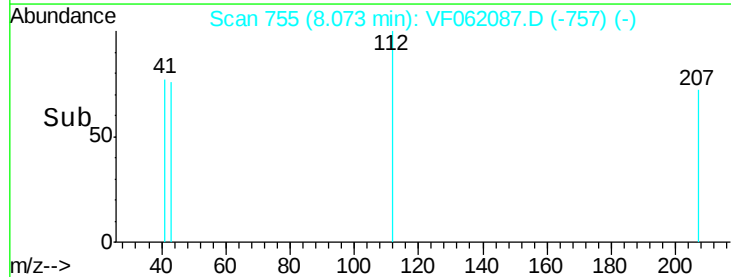
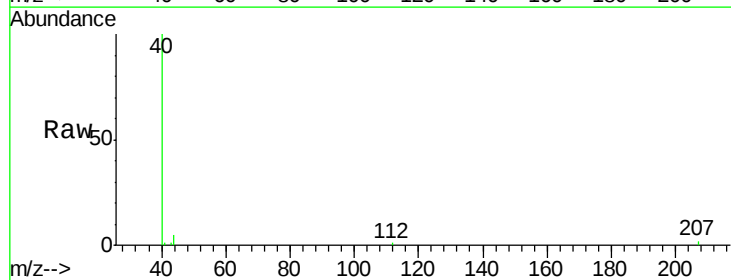
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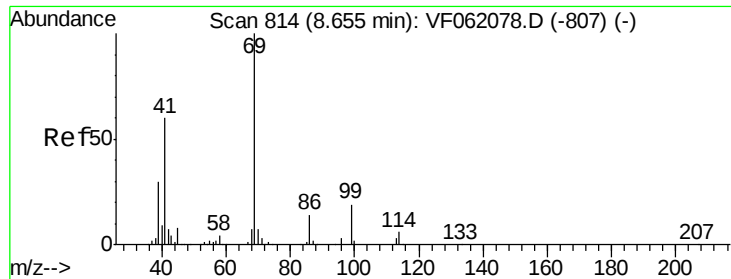
Tot Ion: 98
Sig Exp Ratio
98 100
100 71.3



#51
4-Methyl-2-Pentanone
Concen: 319.524 ug/l
RT: 8.07 min Scan# 755
Delta R.T. -0.22 min
Lab File: VF062087.D
Acq: 22 Mar 2019 17:22

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 33.8 50.8#





#56

Ethyl methacrylate

Concen: 193.357 ug/l

RT: 8.58 min Scan# 806

Delta R.T. -0.08 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Instrument :

MSVOA_F

ClientSampleId :

WP022SB442-190319-(14-16)

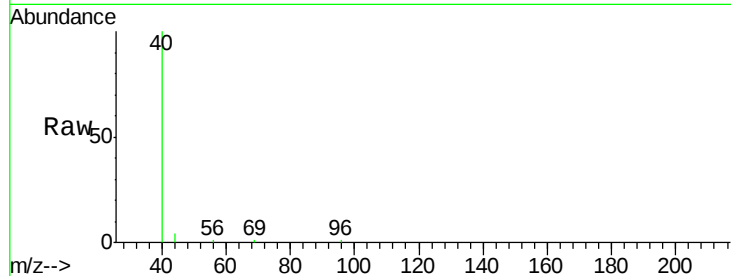
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 48.2 72.2#

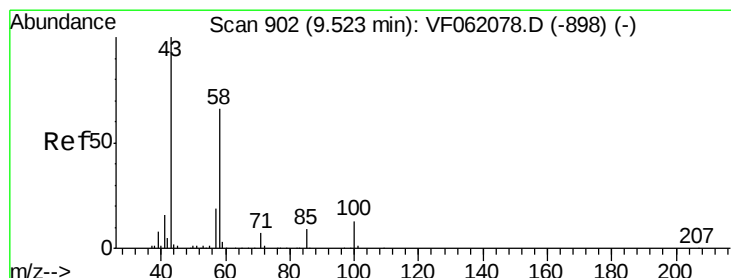
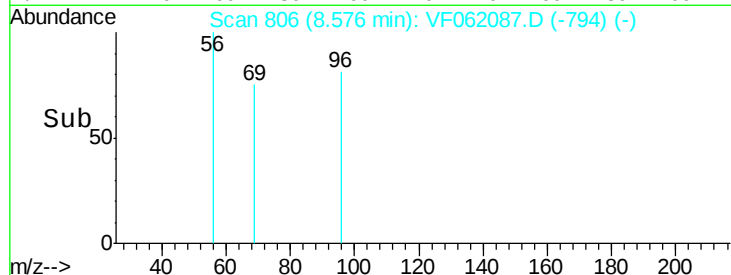
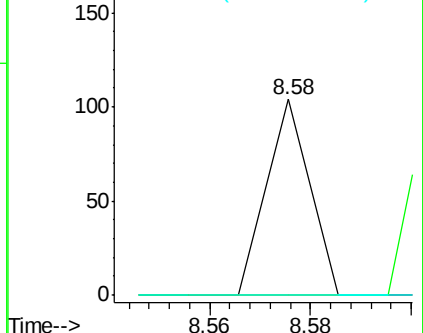
39 0.0 24.0 36.0#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 631.836 ug/l

RT: 9.30 min Scan# 879

Delta R.T. -0.23 min

Lab File: VF062087.D

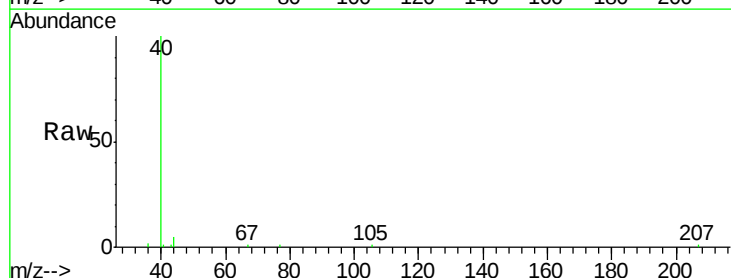
Acq: 22 Mar 2019 17:22

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

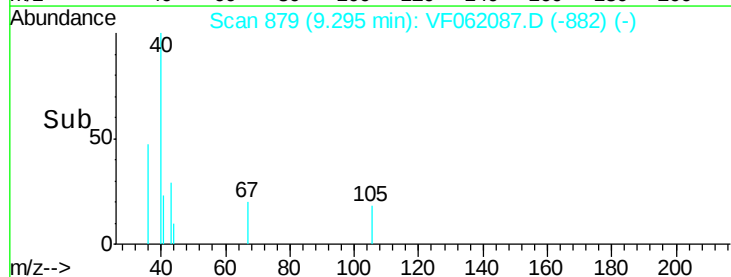
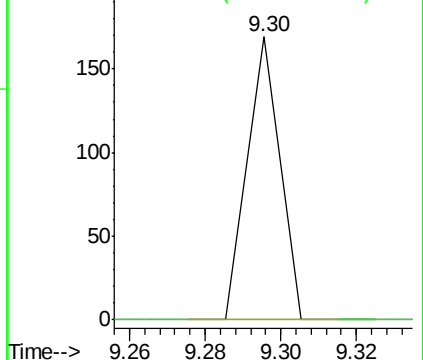
43 100

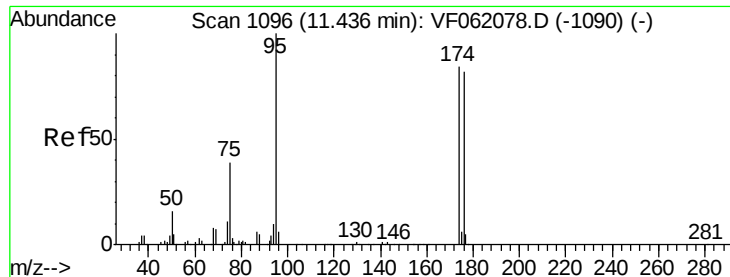
58 0.0 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 138.302 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.21 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

Instrument :

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ClientSampleId :

WP022SB442-190319-(14-16)

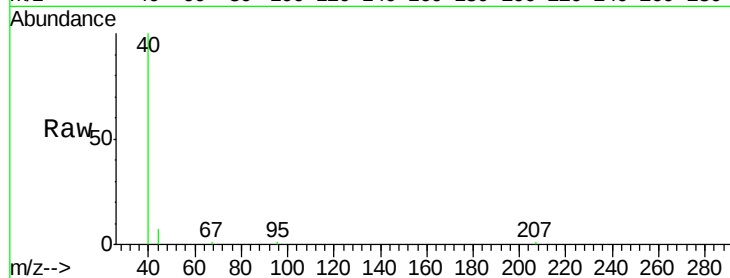
Tot Ion: 95 Resp: 69

Ion Ratio Lower Upper

95 100

174 0.0 0.0 168.2

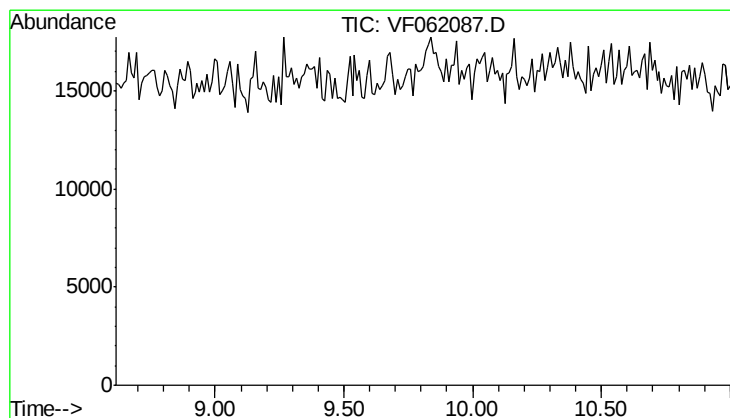
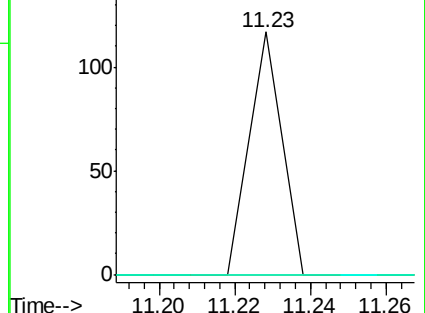
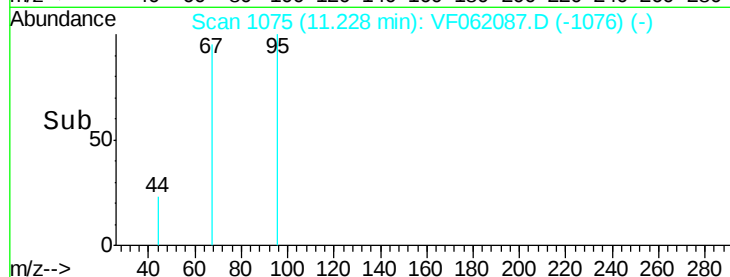
176 0.0 0.0 164.2



Abundance Ion 95.00 (94.70 to 95.70): VF062087.D

Ion 174.00 (173.70 to 174.70): VF062087.D

Ion 176.00 (175.70 to 176.70): VF062087.D



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.81 min

Lab File: VF062087.D

Acq: 22 Mar 2019 17:22

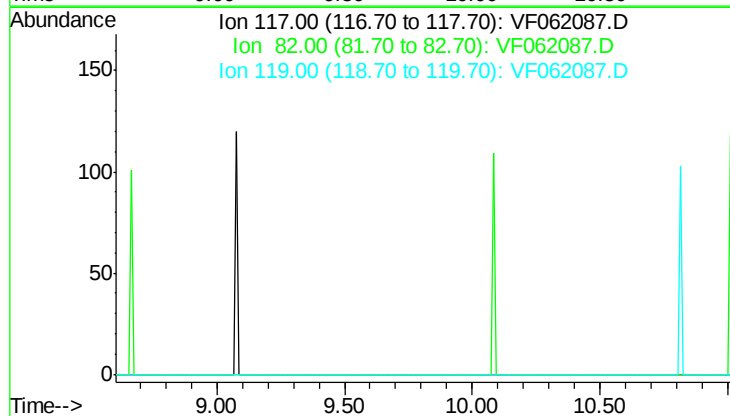
Tgt Ion: 117

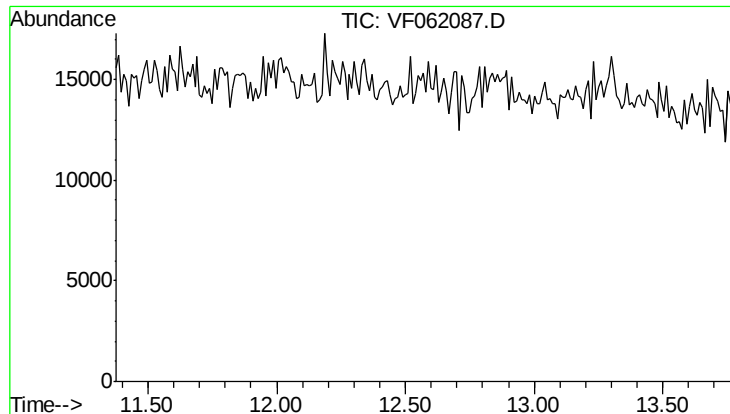
Sig Exp Ratio

117 100

82 49.0

119 31.8





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.57 min
Lab File: VF062087.D
Acq: 22 Mar 2019 17:22

Instrument :
MSVOA_F
ClientSampleId :
WP022SB442-190319-(14-16)

Tot Ion	152
Sig	Exp Ratio
152	100
115	55.4
150	156.6

