

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062113.D
 Acq On : 23 Mar 2019 13:09
 Operator : VA/AP
 Sample : VF0323SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 25 01:27:04 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

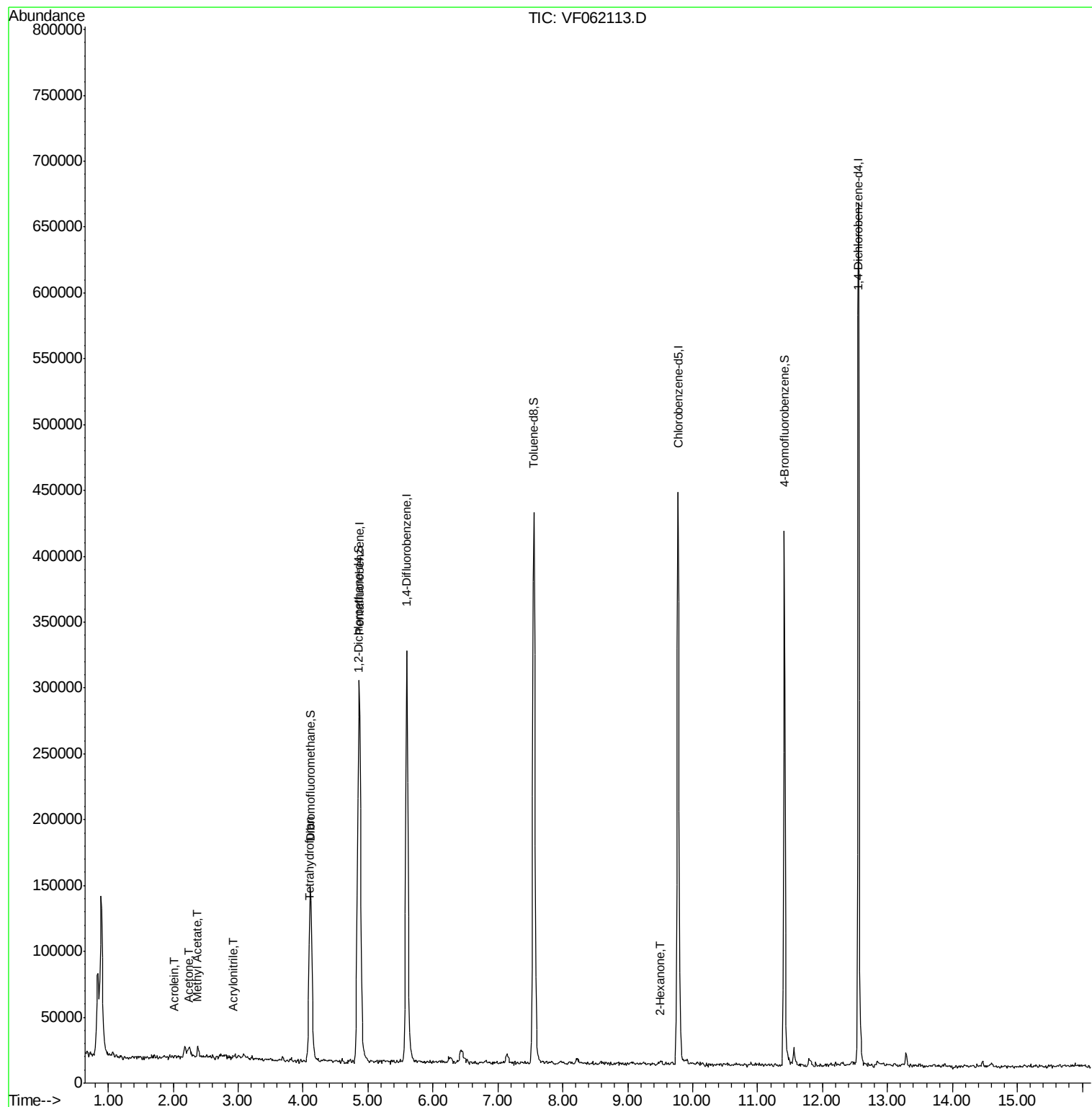
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	267590	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	390009	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	336828	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	195334	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	96424	48.45	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.90%	
35) Dibromofluoromethane	4.11	113	136639	51.79	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.58%	
50) Toluene-d8	7.56	98	382419	48.56	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.41	95	152346	50.11	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.22%	
Target Compounds						
					Qvalue	
13) Acrolein	2.02	56	662	5.027	ug/l #	39
15) Acrylonitrile	2.93	53	433	1.124	ug/l #	58
16) Acetone	2.25	43	2781	6.639	ug/l #	73
18) Methyl Acetate	2.38	43	2634	2.636	ug/l #	56
20) Methylene Chloride	2.18	84	4767	Below Cal	#	80
29) Tetrahydrofuran	4.08	42	399	1.049	ug/l #	46
59) 2-Hexanone	9.50	43	1828	1.895	ug/l #	46

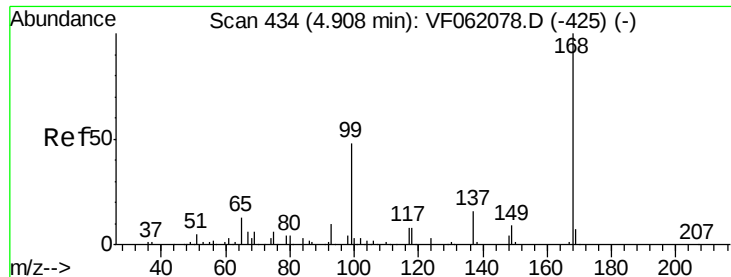
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF062113.D

Acq: 23 Mar 2019 13:09

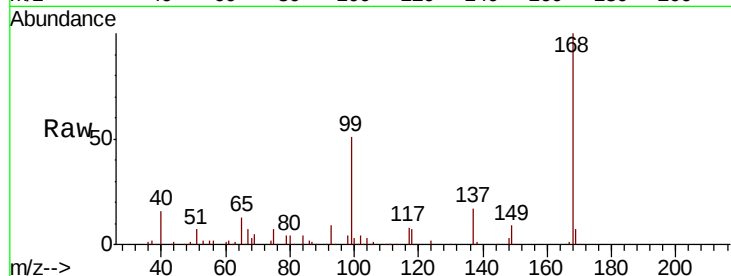
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 267590

Ion Ratio Lower Upper

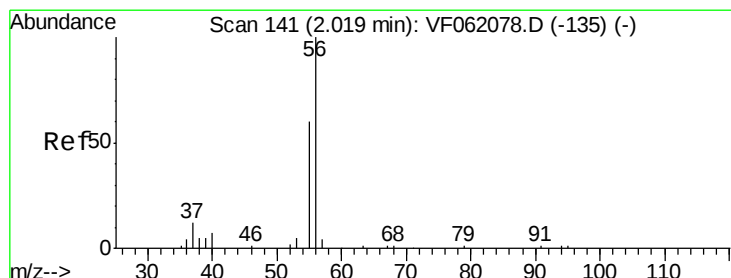
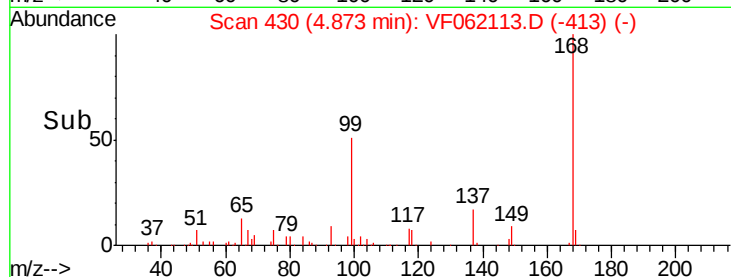
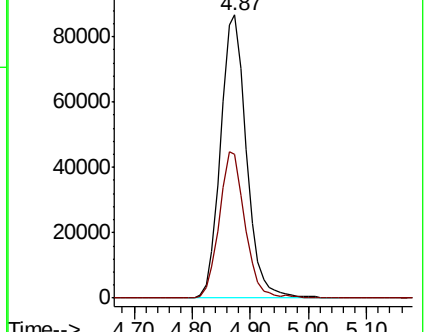
168 100

99 50.9 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 5.027 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062113.D

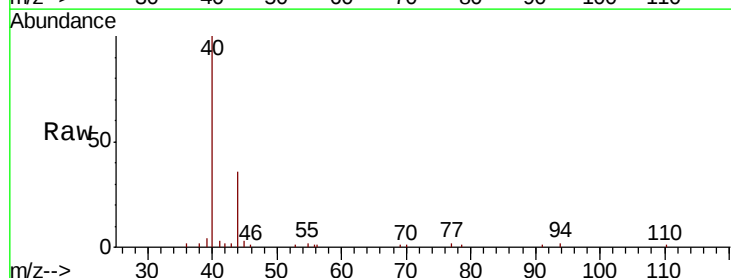
Acq: 23 Mar 2019 13:09

Tgt Ion: 56 Resp: 662

Ion Ratio Lower Upper

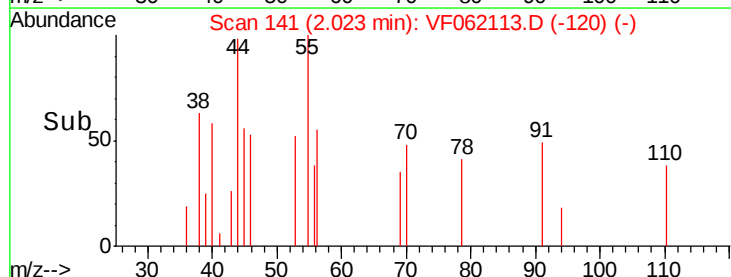
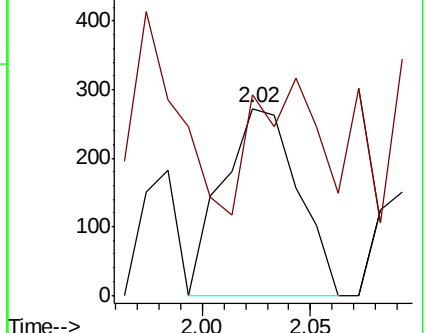
56 100

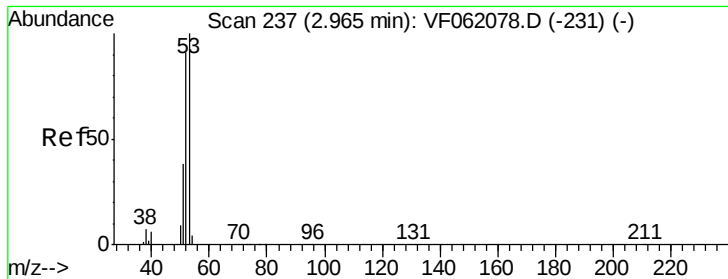
55 107.7 49.0 73.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.124 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF062113.D

Acq: 23 Mar 2019 13:09

Instrument :
MSVOA_F
ClientSampled :

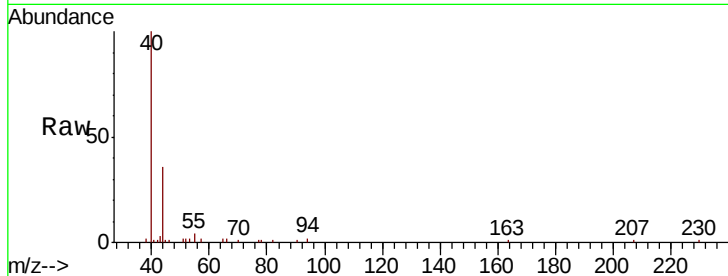
Tot Ion: 53 Resp: 433

Ion Ratio Lower Upper

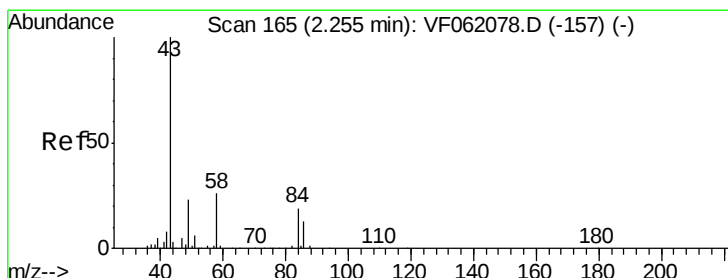
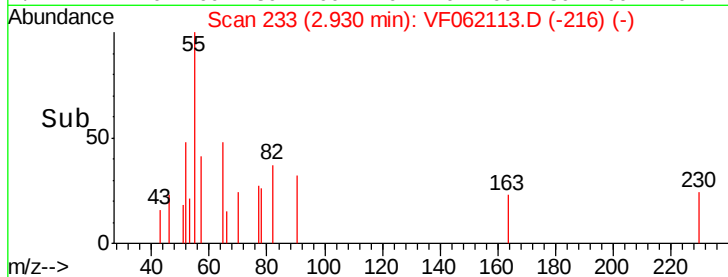
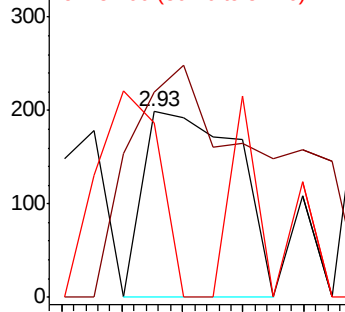
53 100

52 110.1 72.3 108.5#

51 94.0 30.4 45.6#



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: 6.639 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF062113.D

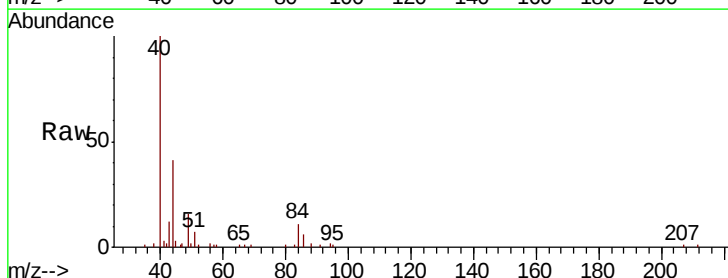
Acq: 23 Mar 2019 13:09

Tgt Ion: 43 Resp: 2781

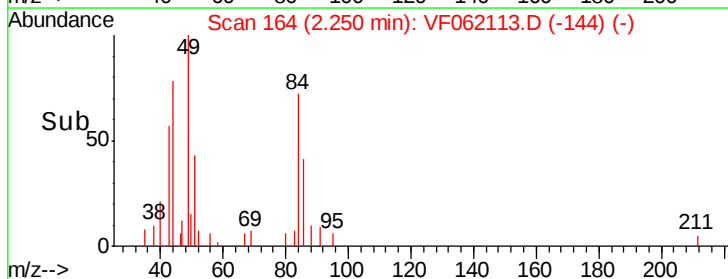
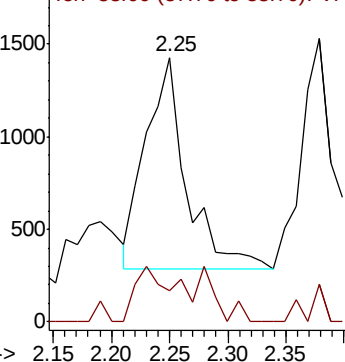
Ion Ratio Lower Upper

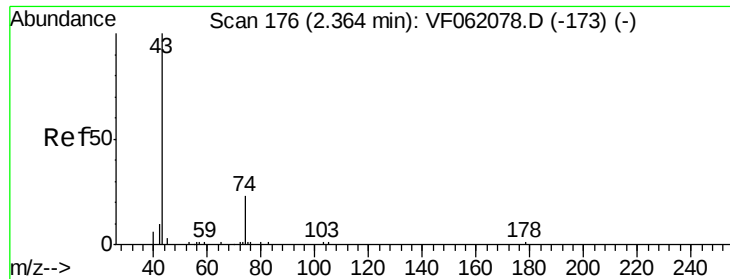
43 100

58 12.0 20.8 31.2#



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

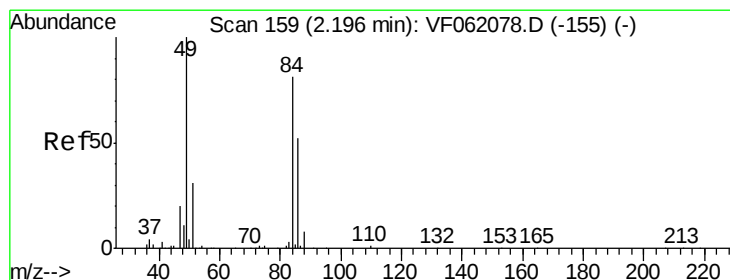
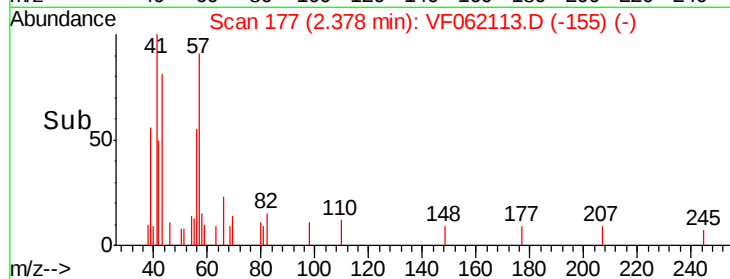
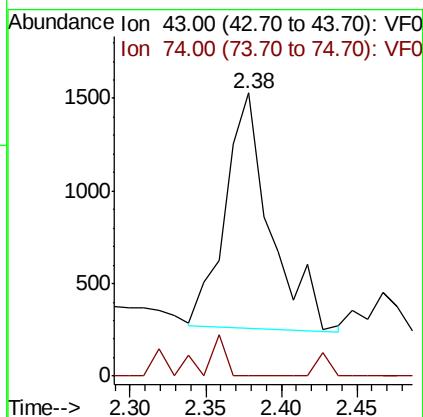
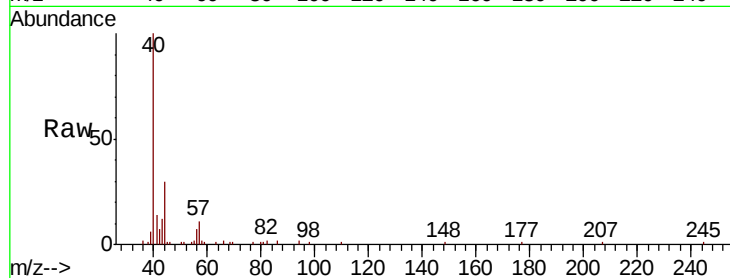




#18
Methyl Acetate
Concen: 2.636 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

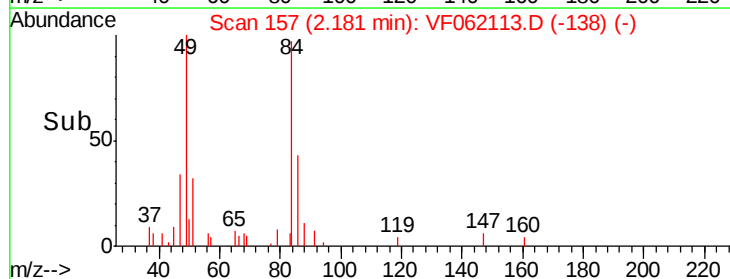
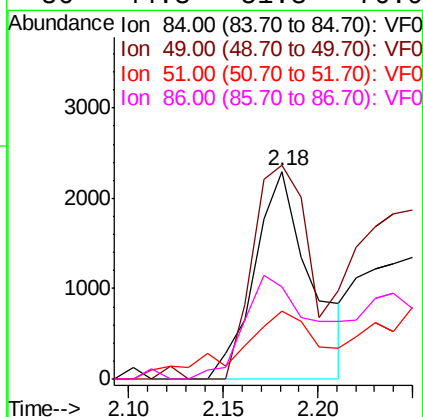
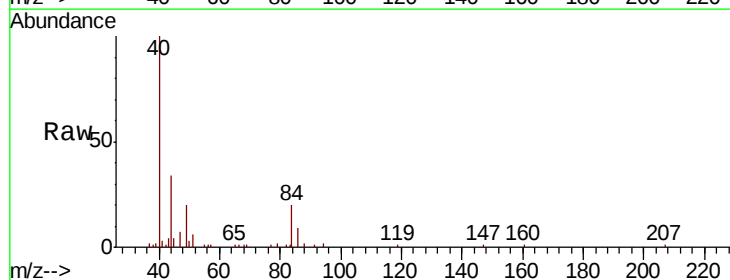
Instrument :
MSVOA_F
ClientSampled :

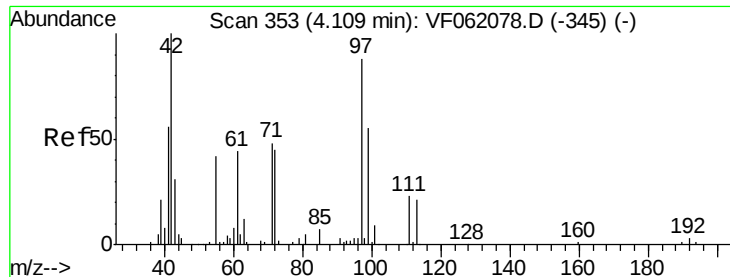
Tot Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion: 84 Resp: 4767
Ion Ratio Lower Upper
84 100
49 102.7 100.4 150.6
51 32.4 31.0 46.6
86 44.3 51.3 76.9#

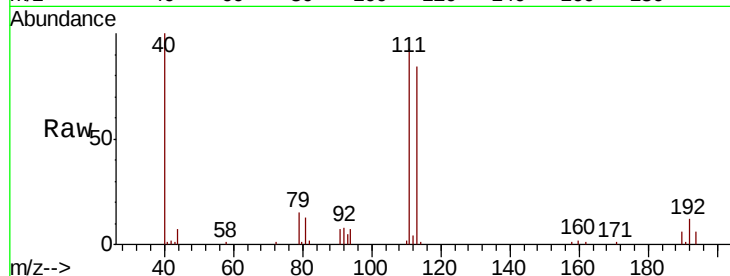




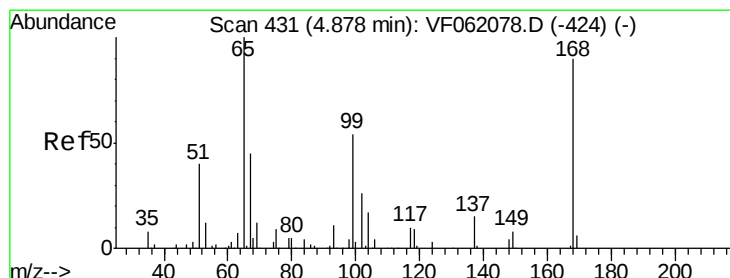
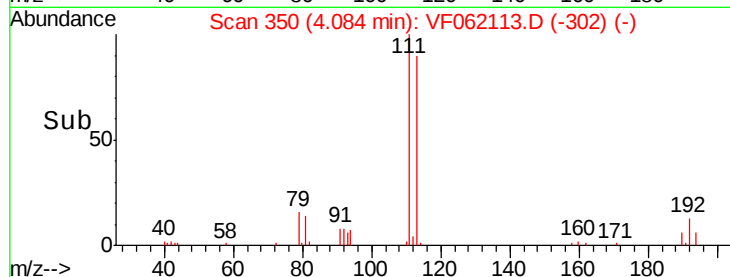
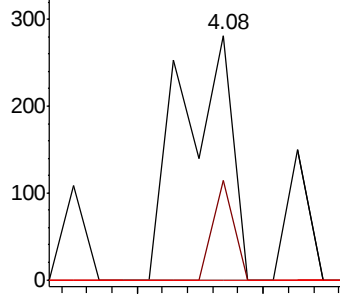
#29
Tetrahydrofuran
Concen: 1.049 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 399
Ion Ratio Lower Upper
42 100
72 17.0 33.3 49.9#
71 0.0 35.0 52.4#

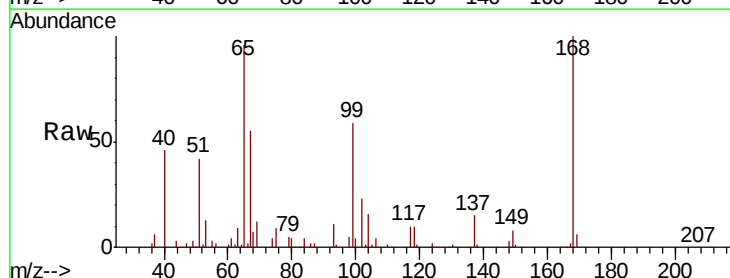


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

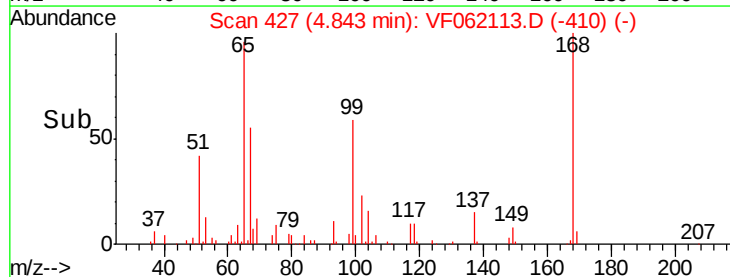
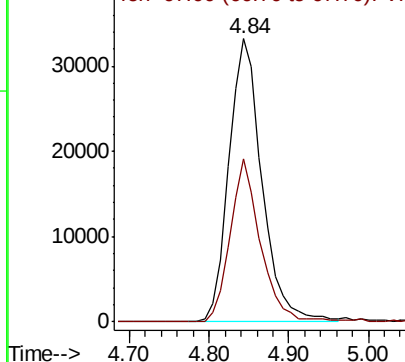


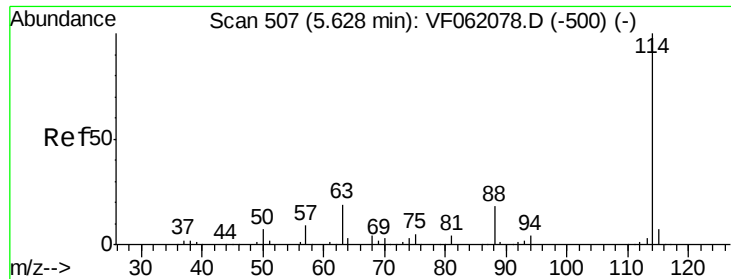
#33
1,2-Dichloroethane-d4
Concen: 48.446 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion: 65 Resp: 96424
Ion Ratio Lower Upper
65 100
67 57.6 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

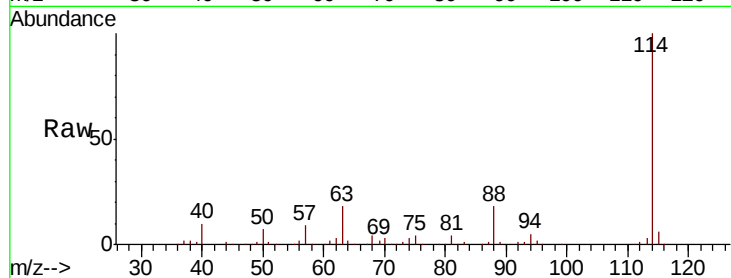




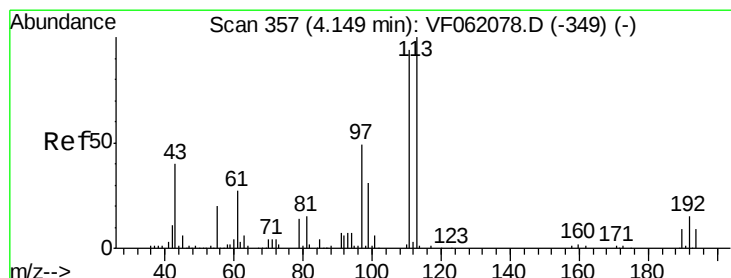
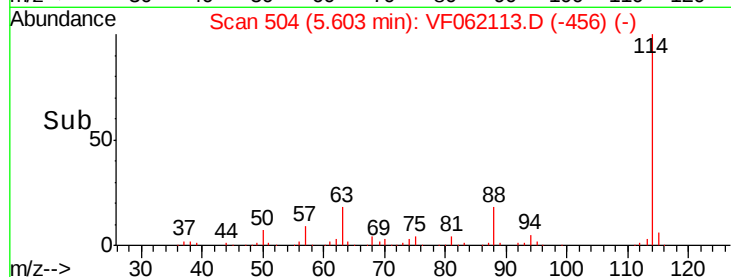
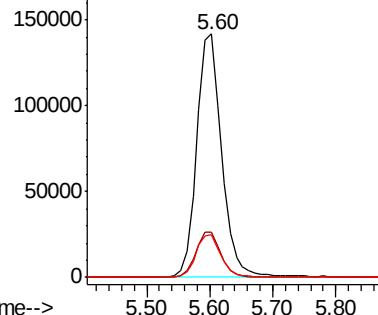
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 390009
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.8
88 17.6 0.0 36.4

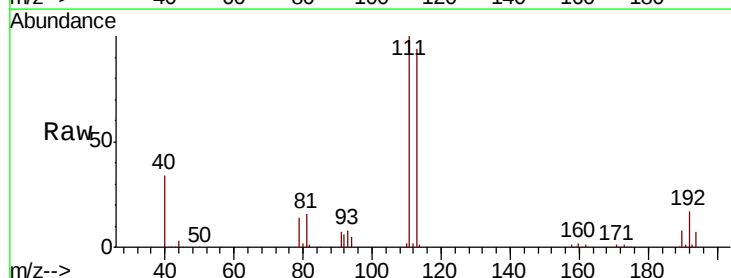


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

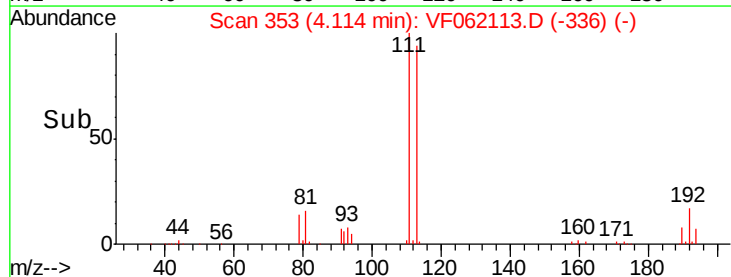
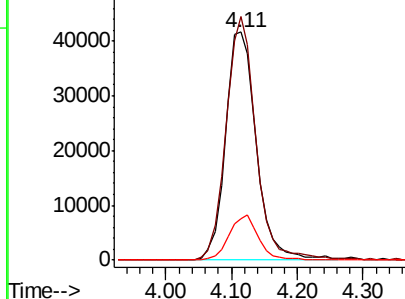


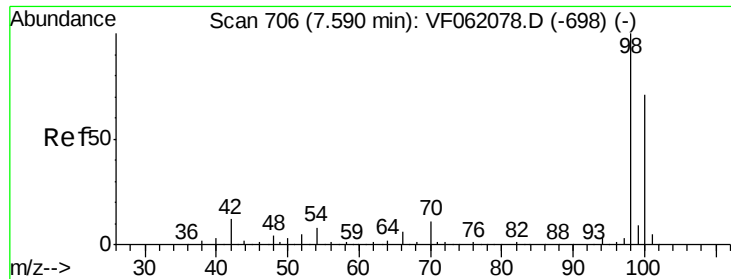
#35
Dibromofluoromethane
Concen: 51.791 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion:113 Resp: 136639
Ion Ratio Lower Upper
113 100
111 106.9 75.4 113.0
192 19.0 12.3 18.5#



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

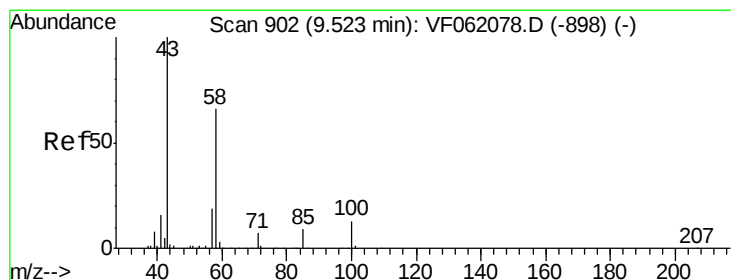
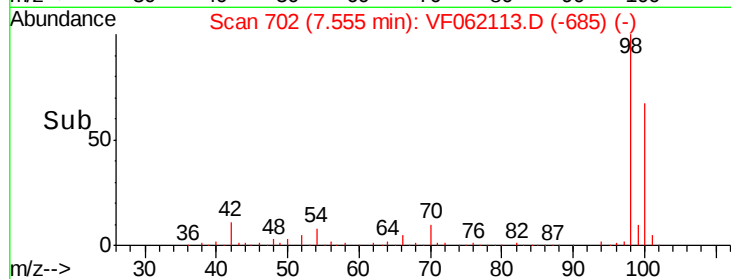
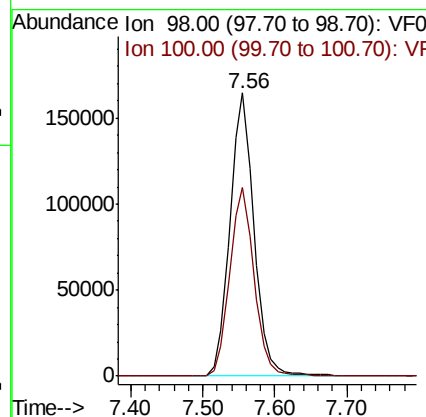
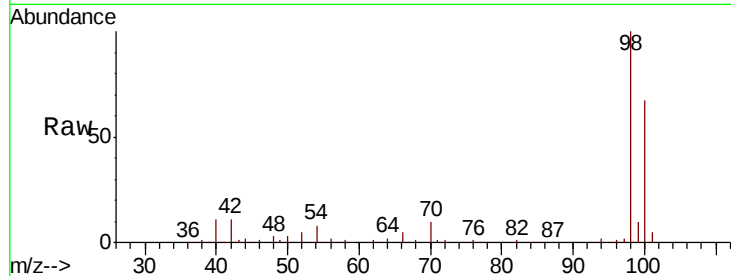




#50
Toluene-d8
Concen: 48.560 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

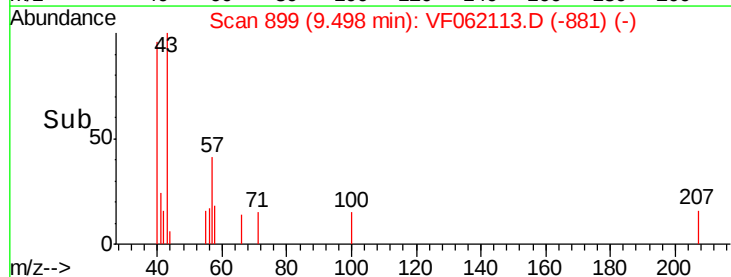
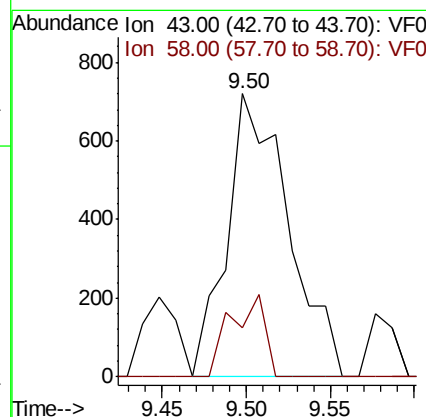
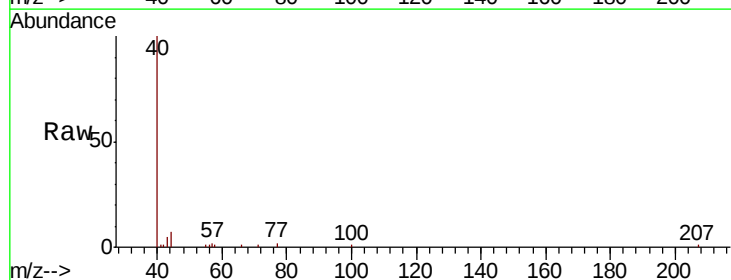
Instrument :
MSVOA_F
ClientSampleId :

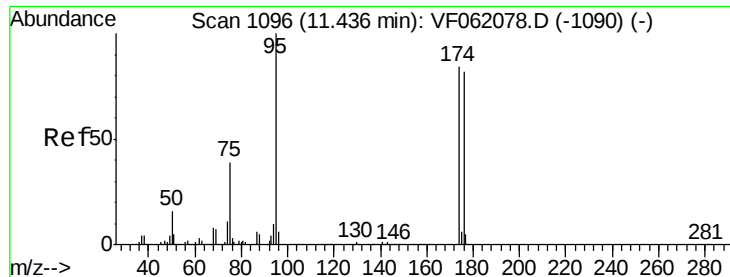
Tot Ion: 98 Resp: 382419
Ion Ratio Lower Upper
98 100
100 66.6 57.0 85.6



#59
2-Hexanone
Concen: 1.895 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
58 17.5 28.8 86.4#

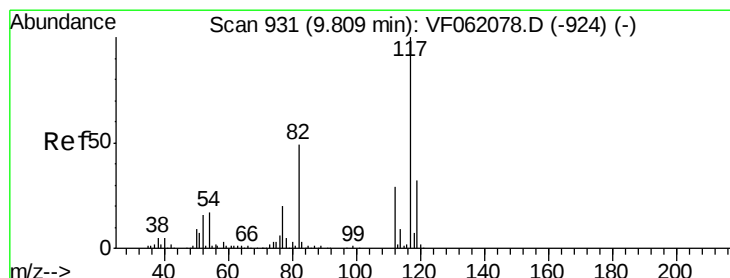
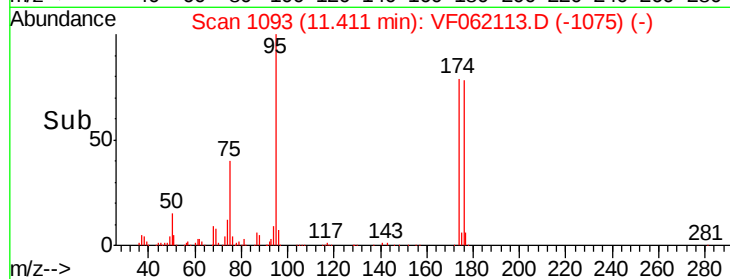
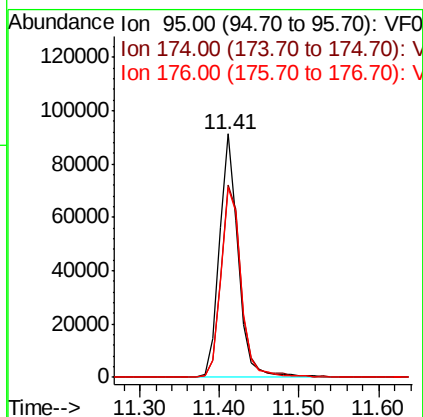
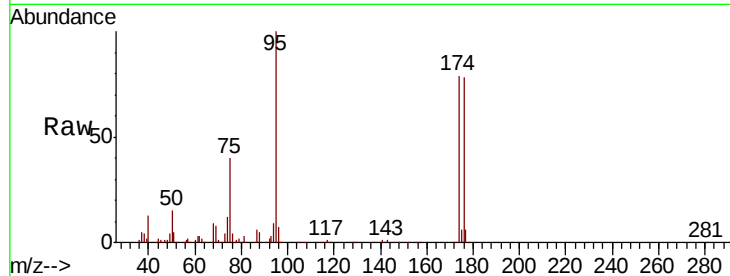




#62
4-Bromofluorobenzene
Concen: 50.109 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

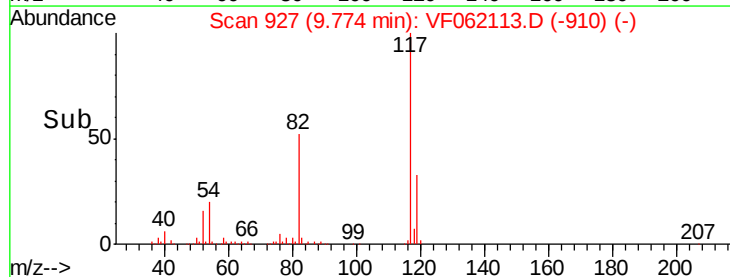
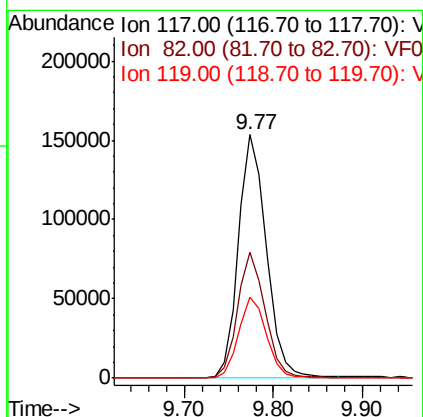
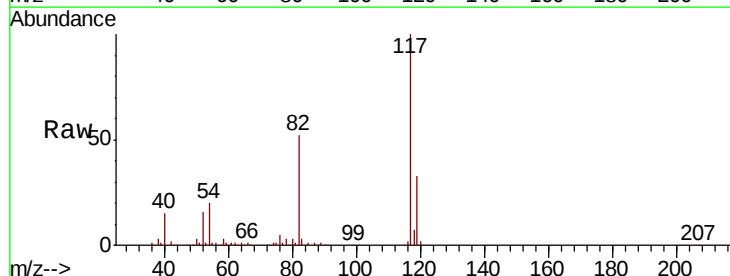
Instrument :
MSVOA_F
ClientSampleId :

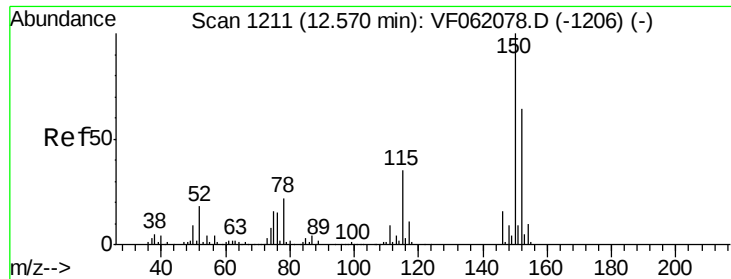
Tot Ion: 95 Resp: 152346
Ion Ratio Lower Upper
95 100
174 79.0 0.0 168.2
176 78.0 0.0 164.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Tgt Ion: 117 Resp: 336828
Ion Ratio Lower Upper
117 100
82 51.9 39.2 58.8
119 33.1 25.4 38.2



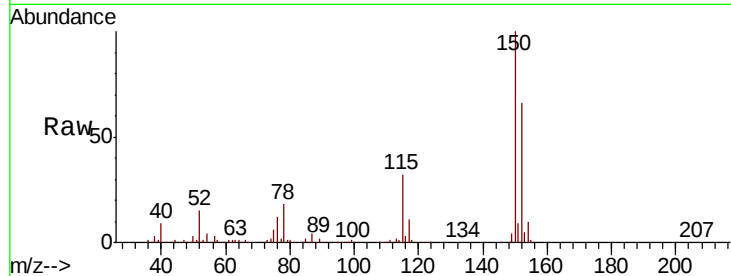


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062113.D
Acq: 23 Mar 2019 13:09

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.9	27.7	83.1
150	151.9	0.0	313.2



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

