

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062704.D
 Acq On : 22 May 2019 14:29
 Operator : FY/SY
 Sample : K2642-05
 Misc : 6.81g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 23 01:21:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	565635	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	922254	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	542336	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	138766	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	160081	40.05	ug/l	0.00
Spiked Amount			Recovery	=	80.10%	
35) Dibromofluoromethane	4.30	113	297495	42.16	ug/l	-0.01
Spiked Amount			Recovery	=	84.32%	
50) Toluene-d8	7.71	98	408704	24.26	ug/l	-0.01
Spiked Amount			Recovery	=	48.52%	
62) 4-Bromofluorobenzene	11.49	95	113445	17.75	ug/l	-0.01
Spiked Amount			Recovery	=	35.50%	

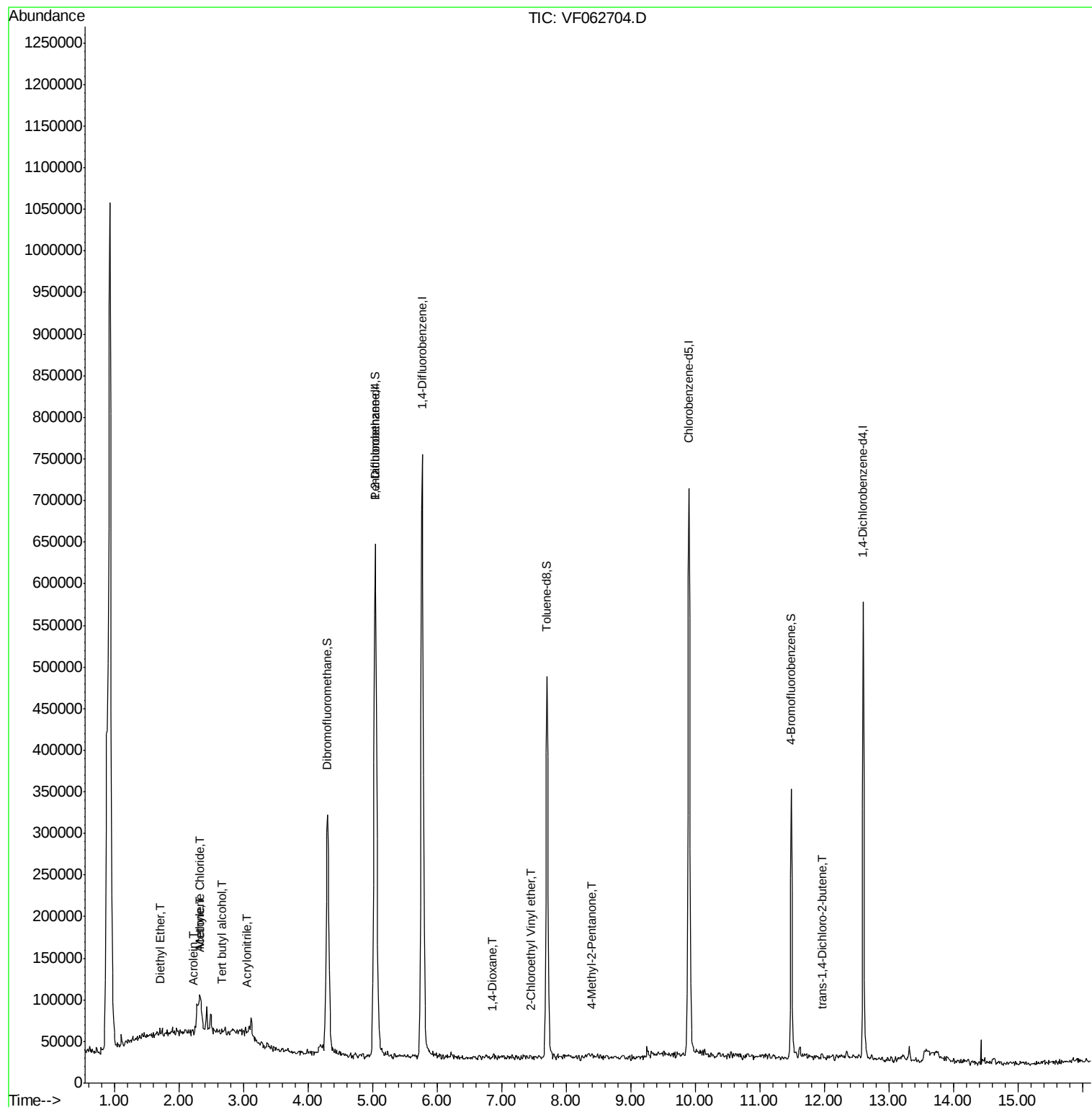
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	1856	1.069	ug/l	71
11) Tert butyl alcohol	2.68	59	451	1.709	ug/l #	1
13) Acrolein	2.23	56	324	1.176	ug/l	93
15) Acrylonitrile	3.06	53	1261	1.694	ug/l #	48
16) Acetone	2.34	43	22684	21.875	ug/l #	79
20) Methylene Chloride	2.32	84	53612	10.315	ug/l	89
49) 1,4-Dioxane	6.85	88	152	4.542	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	3424	1.002	ug/l #	57
58) 2-Chloroethyl Vinyl ether	7.44	63	1623	1.047	ug/l #	75
59) 2-Hexanone	9.63	43	3423	Below Cal		92
74) N-amyl acetate	11.44	43	1935	Below Cal	#	65
81) trans-1,4-Dichloro-2-buten	11.96	75	1050	1.769	ug/l #	75

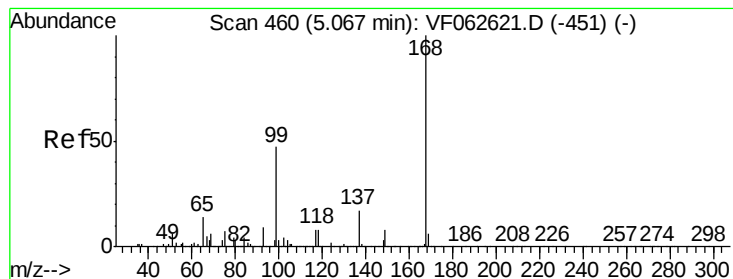
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

Instrument :

MSVOA_F

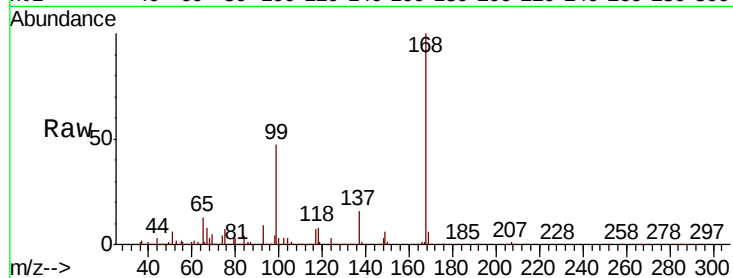
ClientSampleId :

Tot Ion:168 Resp: 565635

Ion Ratio Lower Upper

168 100

99 46.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

200000

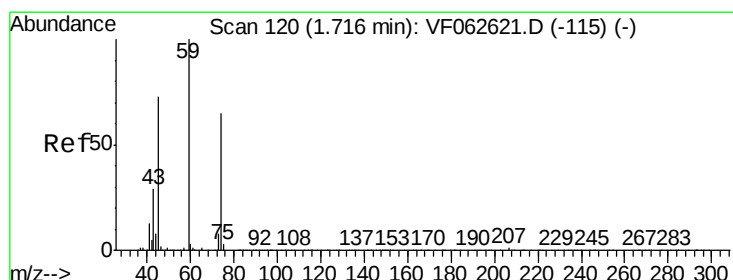
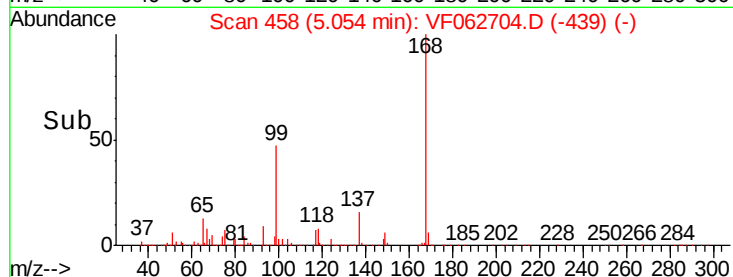
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.069 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF062704.D

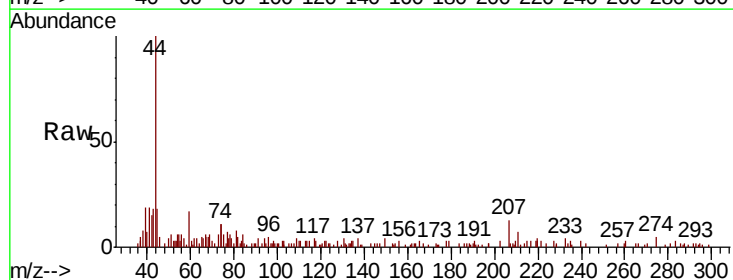
Acq: 22 May 2019 14:29

Tgt Ion: 74 Resp: 1856

Ion Ratio Lower Upper

74 100

45 82.7 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.71

2000

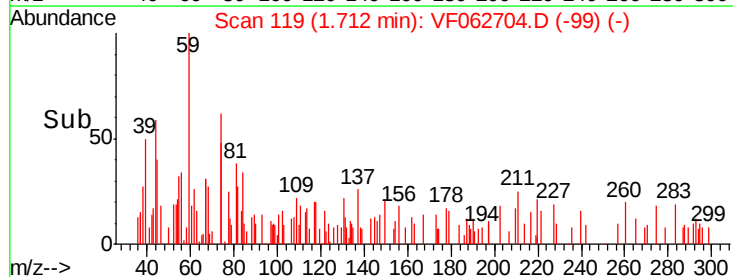
1500

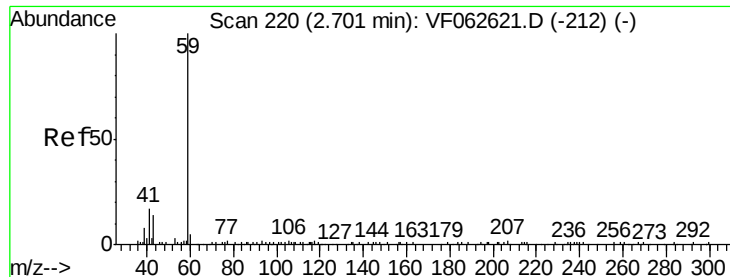
1000

500

0

Time-->

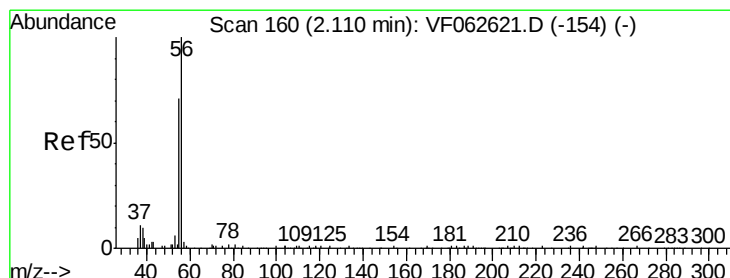
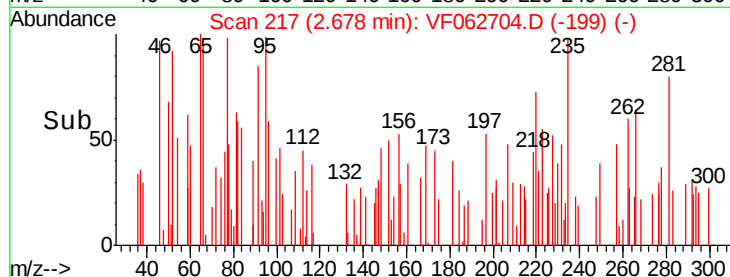
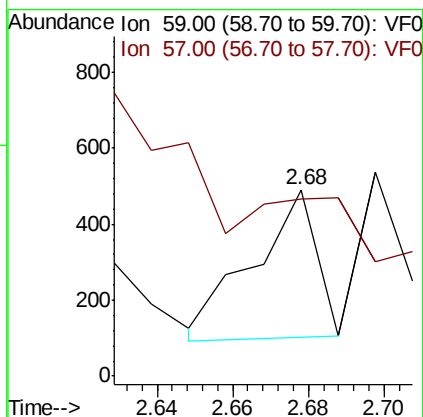
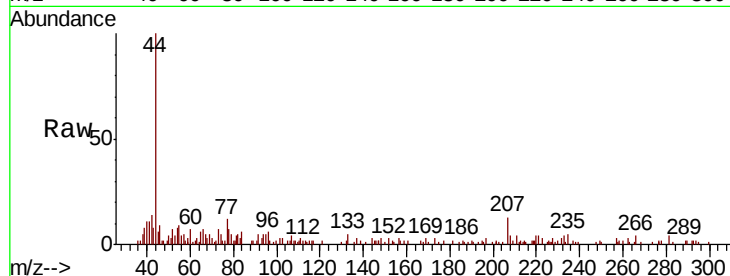




#11
Tert butyl alcohol
Concen: 1.709 ug/l
RT: 2.68 min Scan# 217
Delta R.T. -0.02 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

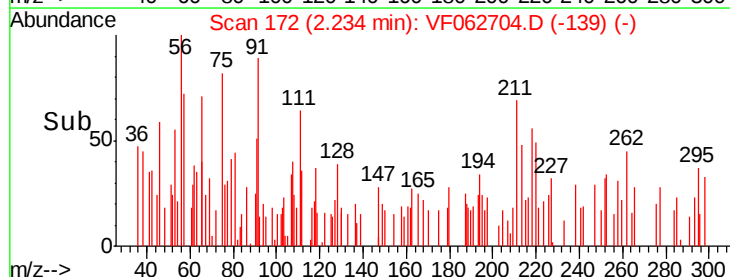
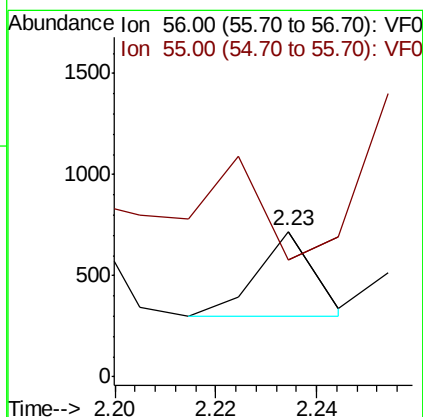
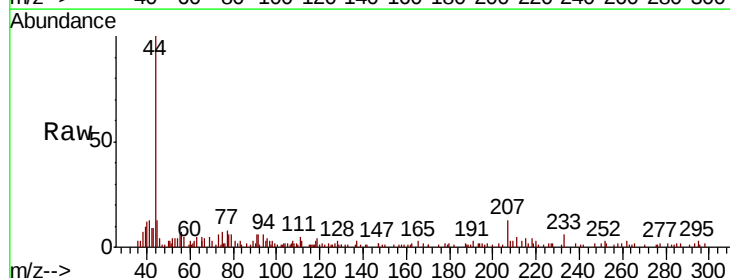
Instrument :
MSVOA_F
ClientSampled :

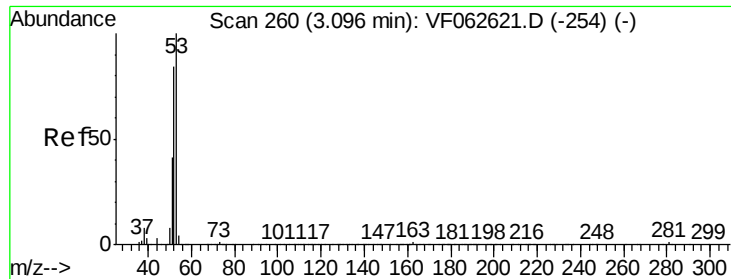
Tot Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 95.3 9.3 13.9#



#13
Acrolein
Concen: 1.176 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.12 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Tgt Ion: 56 Resp: 324
Ion Ratio Lower Upper
56 100
55 80.5 59.4 89.0





#15

Acrylonitrile

Concen: 1.694 ug/l

RT: 3.06 min Scan# 256

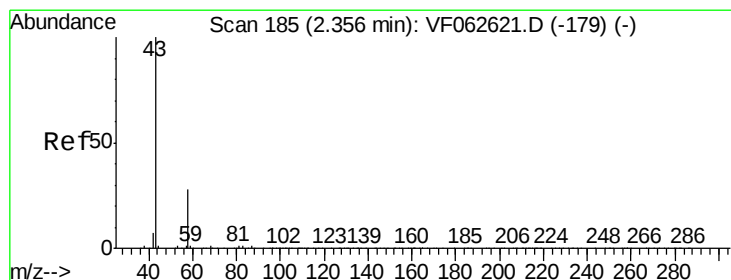
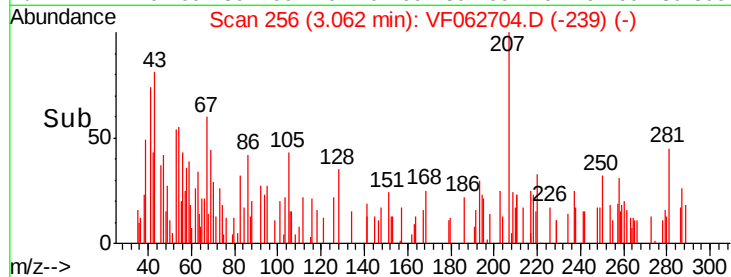
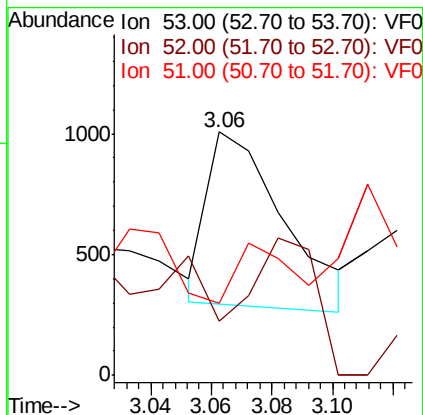
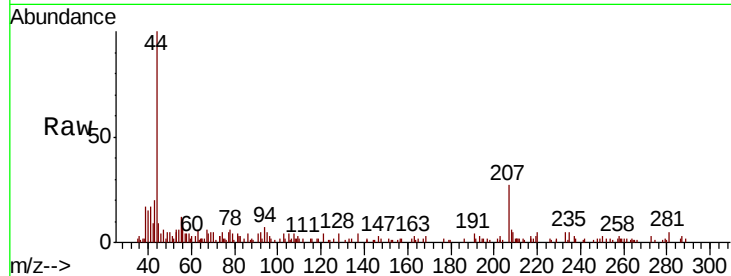
Delta R.T. -0.03 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	1261
Ion	Ratio	Lower	Upper
53	100		
52	22.1	67.3	100.9#
51	29.6	33.0	49.6#



#16

Acetone

Concen: 21.875 ug/l

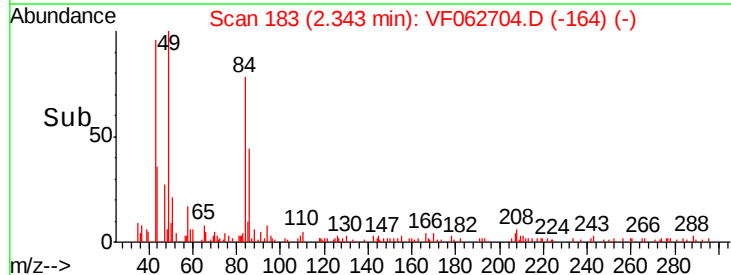
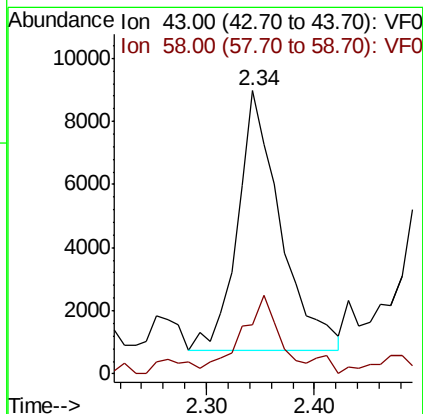
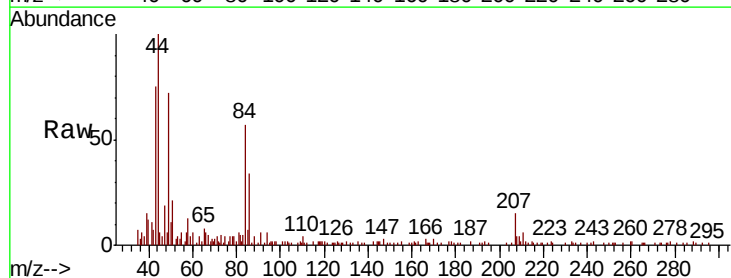
RT: 2.34 min Scan# 183

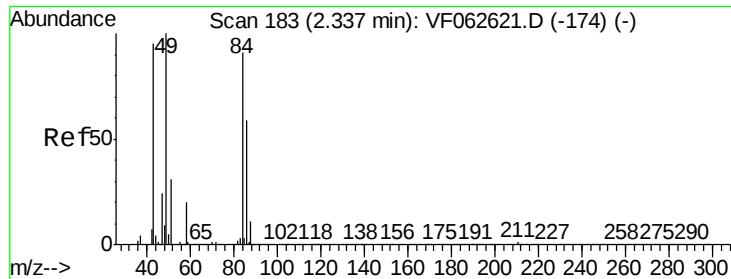
Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

Tgt Ion:	43	Resp:	22684
Ion	Ratio	Lower	Upper
43	100		
58	17.3	22.6	33.8#

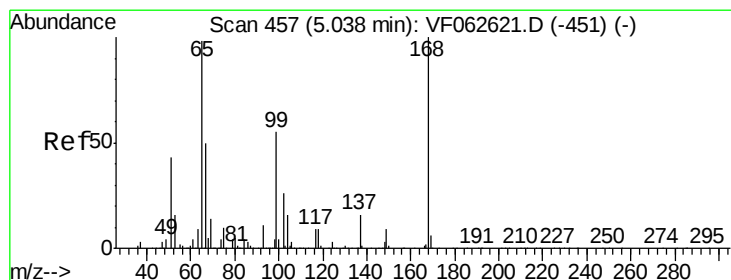
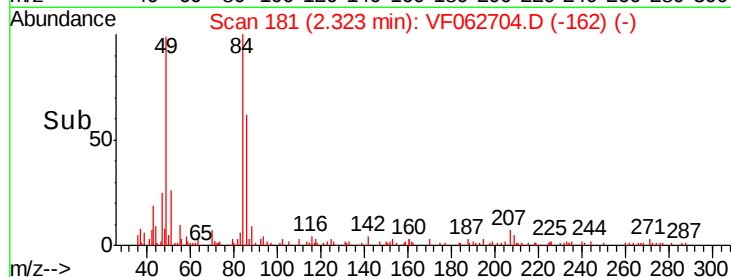
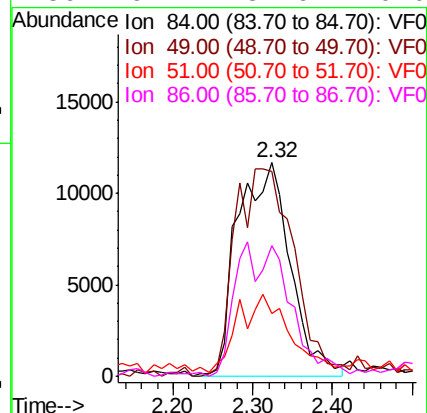
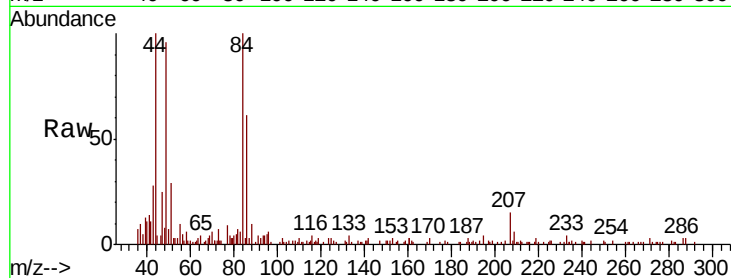




#20
Methvlene Chloride
Concen: 10.315 ug/l
RT: 2.32 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

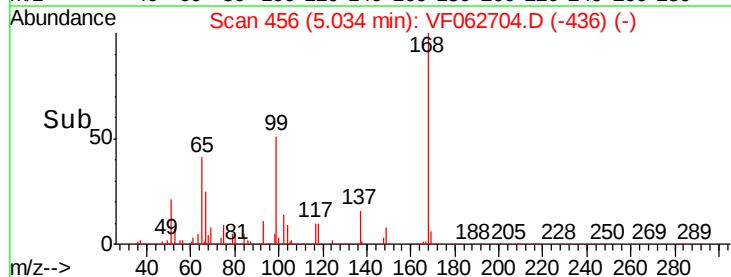
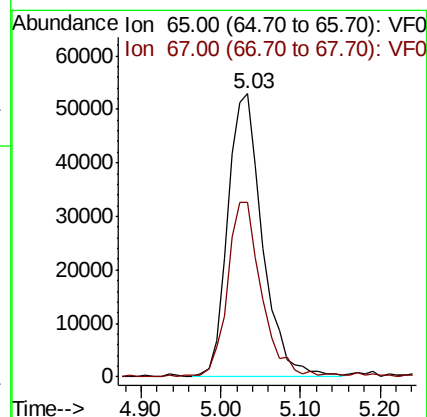
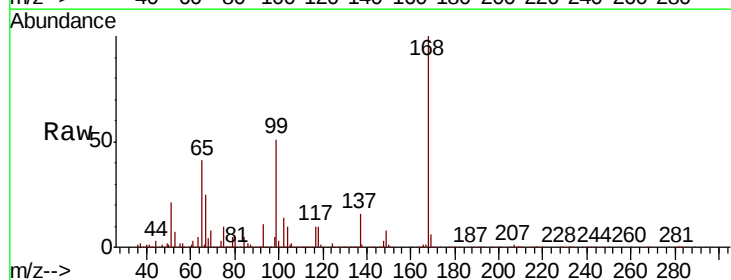
Instrument :
MSVOA_F
ClientSampleId :

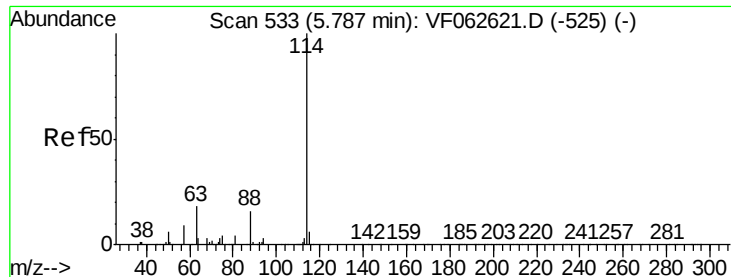
Tot Ion:	84	Resp:	53612
Ion	Ratio	Lower	Upper
84	100		
49	96.1	89.8	134.8
51	29.4	28.4	42.6
86	61.4	52.6	79.0



#33
1,2-Dichloroethane-d4
Concen: 40.050 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Tgt Ion:	65	Resp:	160081
Ion	Ratio	Lower	Upper
65	100		
67	61.7	0.0	117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

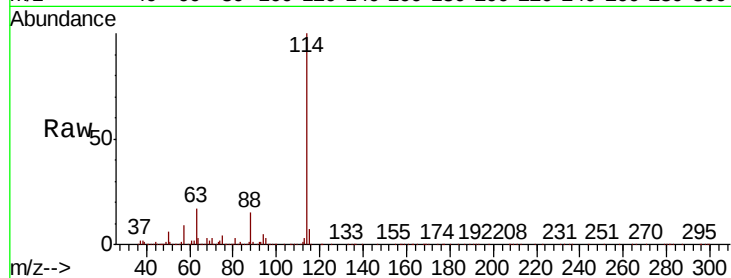
Tot Ion:114 Resp: 922254

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

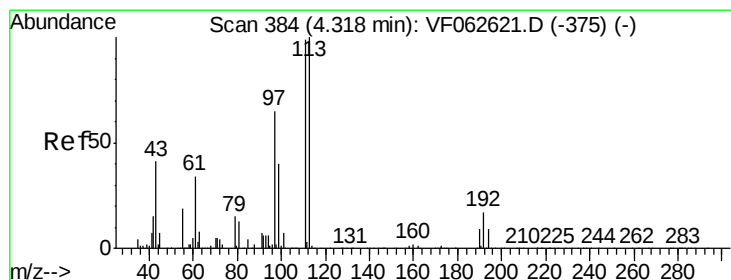
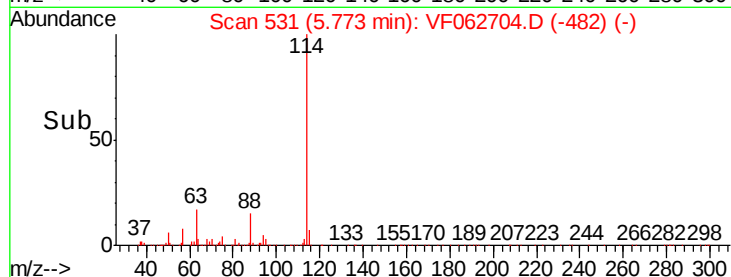
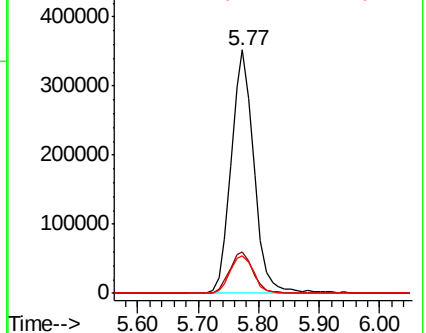
88 15.3 0.0 32.4



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: 42.155 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

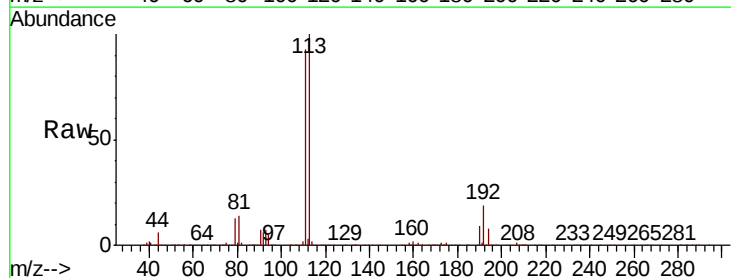
Tgt Ion:113 Resp: 297495

Ion Ratio Lower Upper

113 100

111 93.4 79.4 119.2

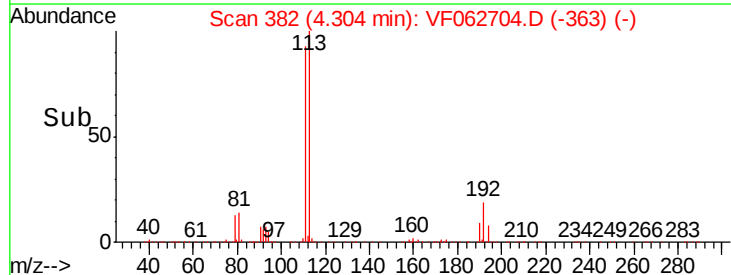
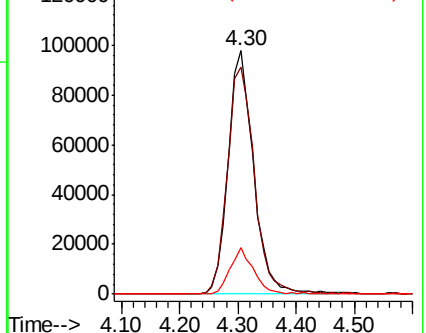
192 18.9 13.4 20.2

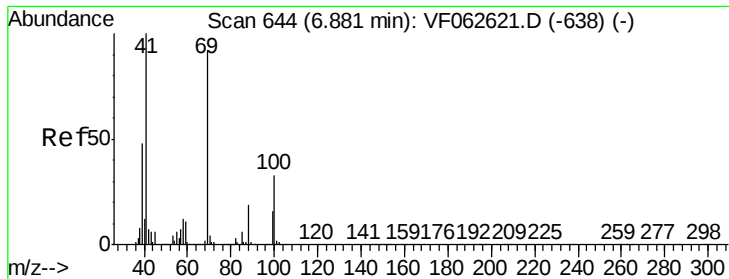


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

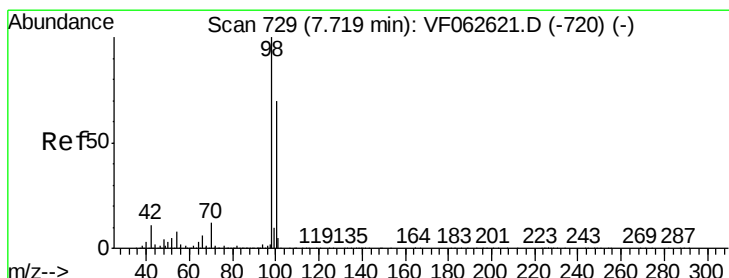
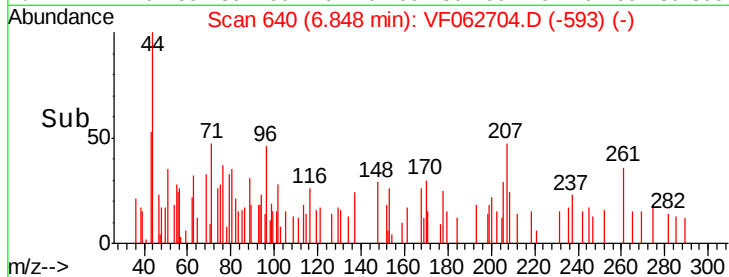
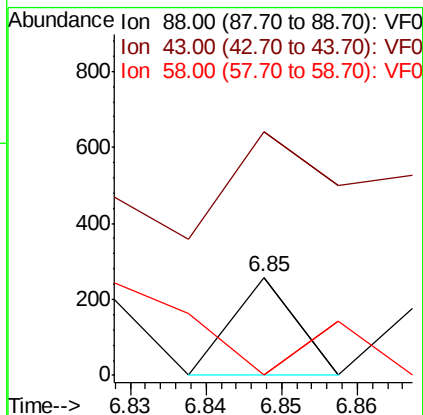
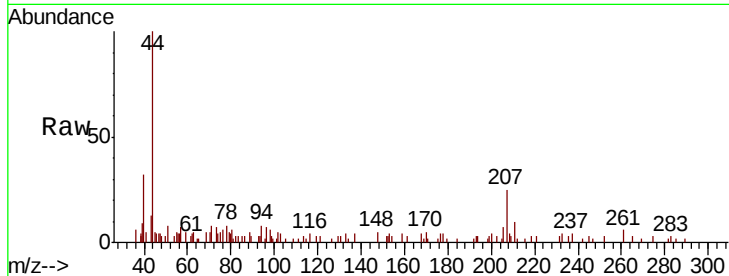




#49
1,4-Dioxane
Concen: 4.542 ug/l
RT: 6.85 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

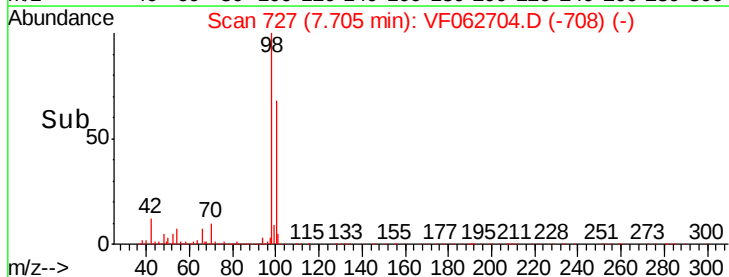
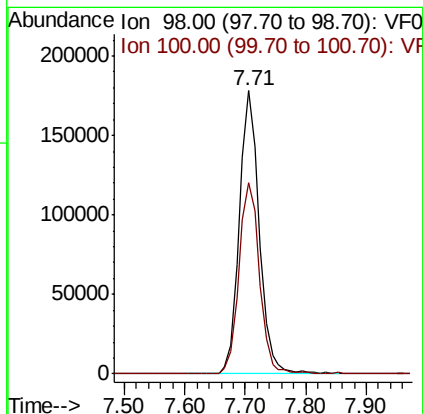
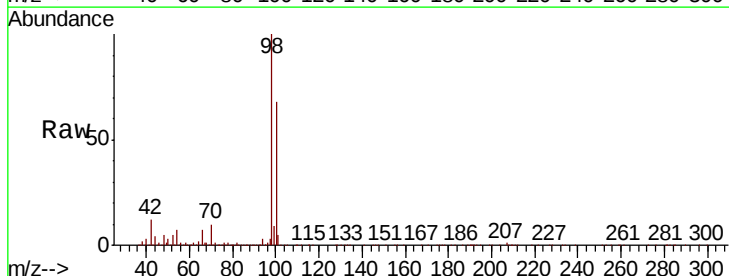
Instrument :
MSVOA_F
ClientSampleId :

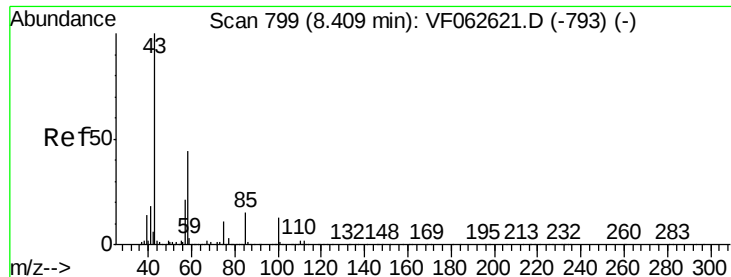
Tot Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 248.4 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 24.256 ug/l
RT: 7.71 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Tgt Ion: 98 Resp: 408704
Ion Ratio Lower Upper
98 100
100 67.6 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 1.002 ug/l

RT: 8.40 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

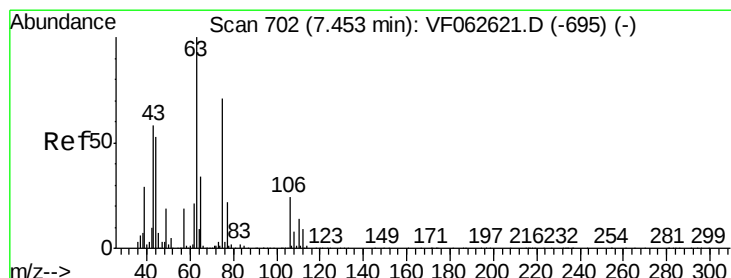
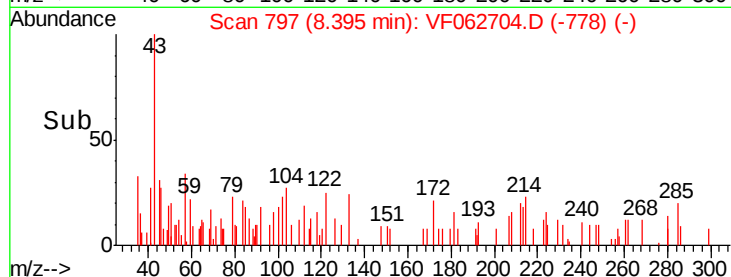
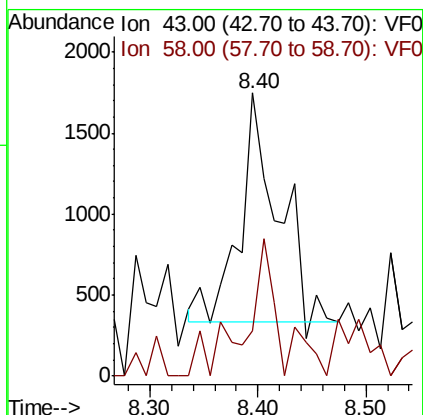
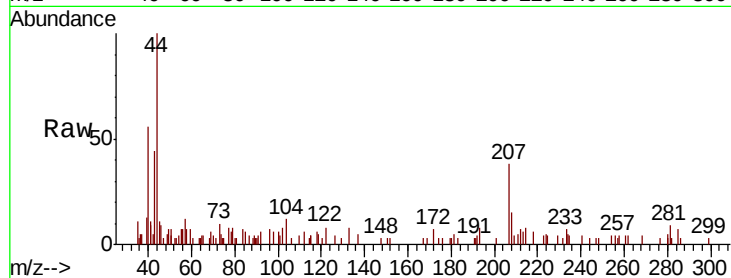
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

58 15.9 34.9 52.3#



#58

2-Chloroethyl Vinyl ether

Concen: 1.047 ug/l

RT: 7.44 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF062704.D

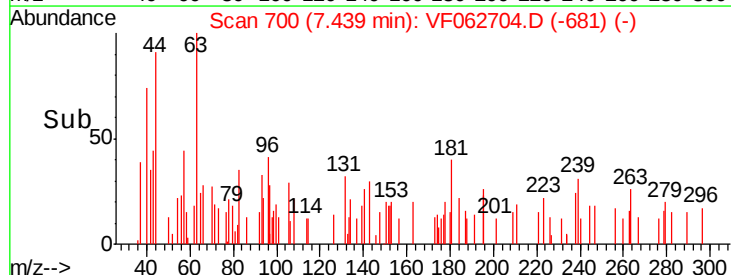
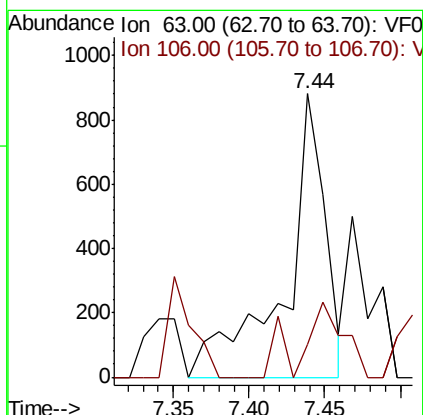
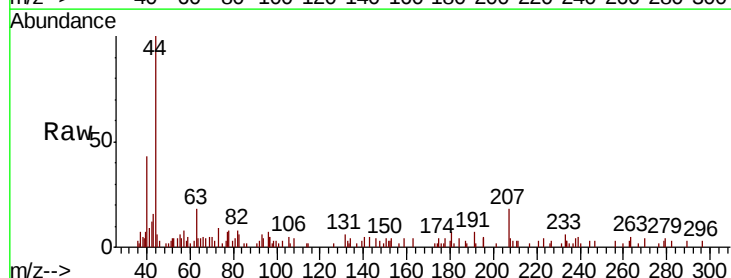
Acq: 22 May 2019 14:29

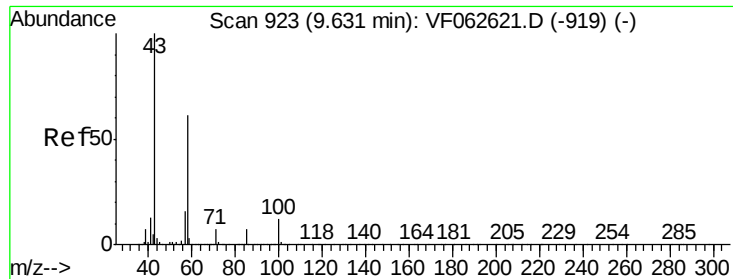
Tgt Ion: 63 Resp: 1623

Ion Ratio Lower Upper

63 100

106 11.5 19.1 28.7#

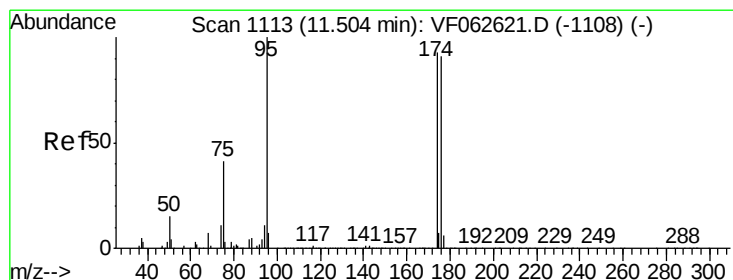
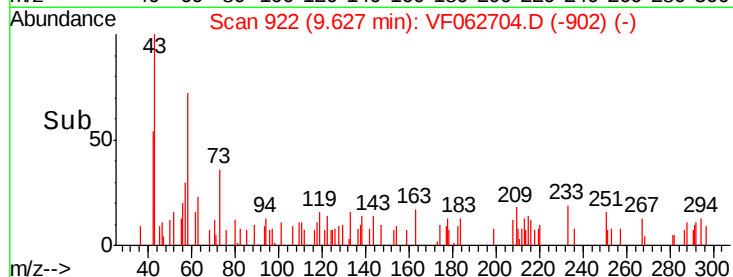
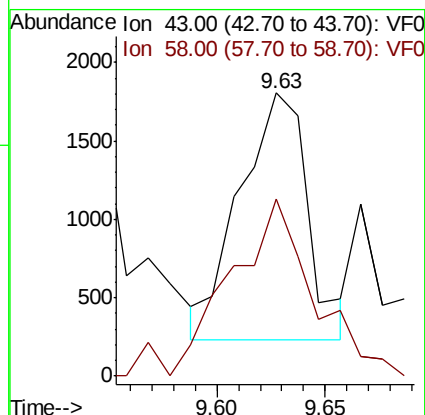
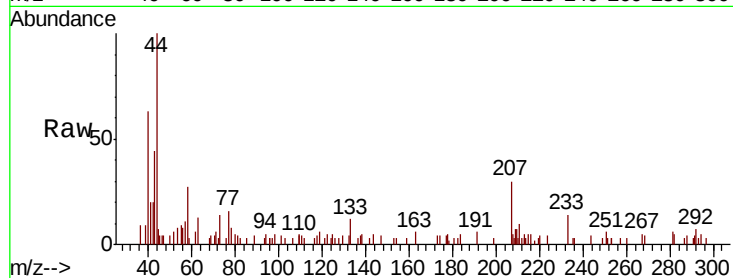




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

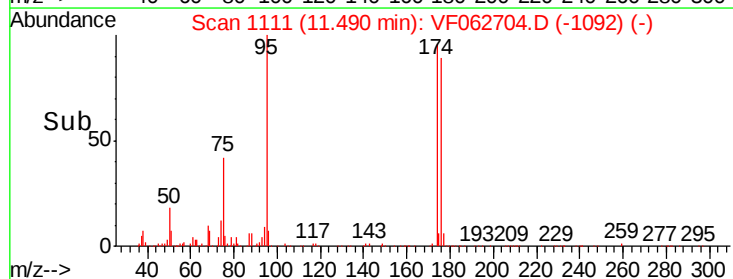
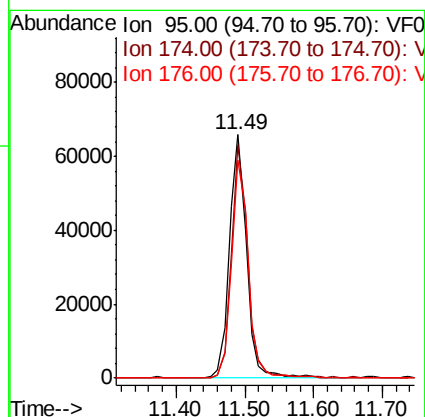
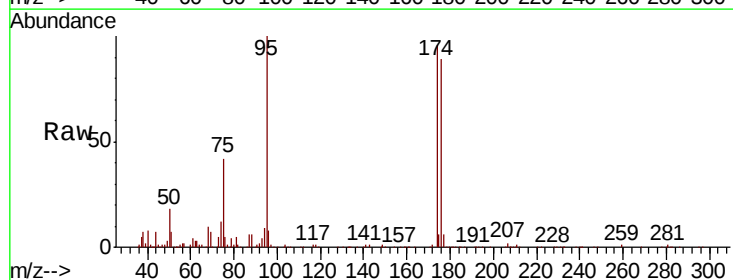
Instrument :
MSVOA_F
ClientSampled :

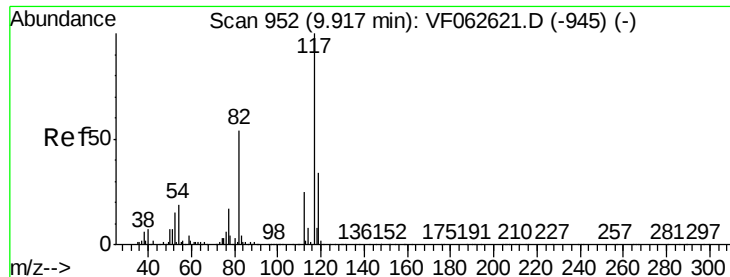
Tot Ion: 43 Resp: 3423
Ion Ratio Lower Upper
43 100
58 62.4 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 17.752 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Tgt Ion: 95 Resp: 113445
Ion Ratio Lower Upper
95 100
174 96.0 0.0 185.6
176 89.3 0.0 182.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

Instrument :

MSVOA_F

ClientSampleId :

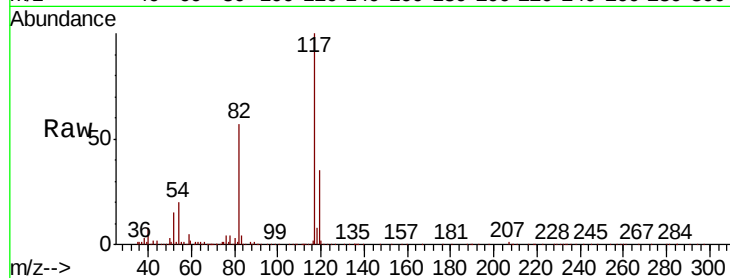
Tot Ion:117 Resp: 542336

Ion Ratio Lower Upper

117 100

82 57.1 43.3 64.9

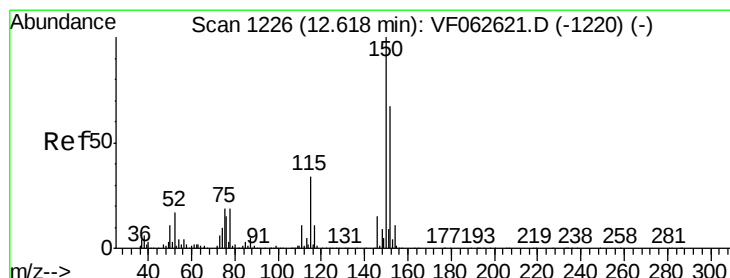
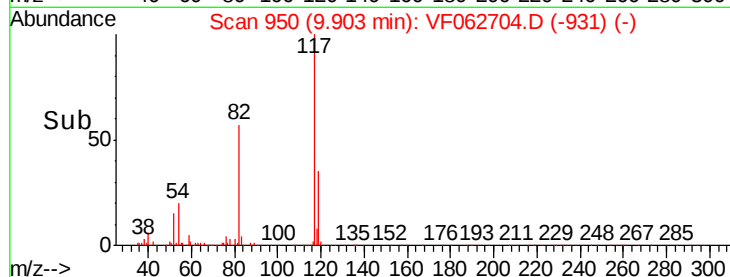
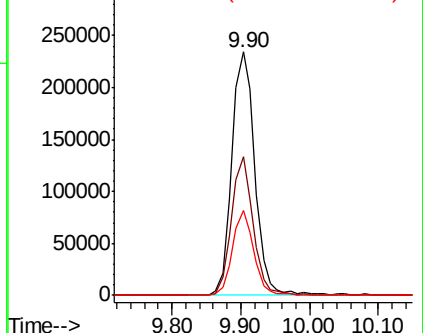
119 34.7 27.4 41.0



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: 12.60 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VF062704.D

Acq: 22 May 2019 14:29

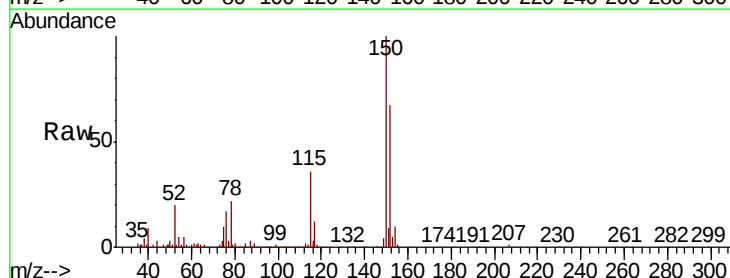
Tgt Ion:152 Resp: 138766

Ion Ratio Lower Upper

152 100

115 54.0 25.2 75.6

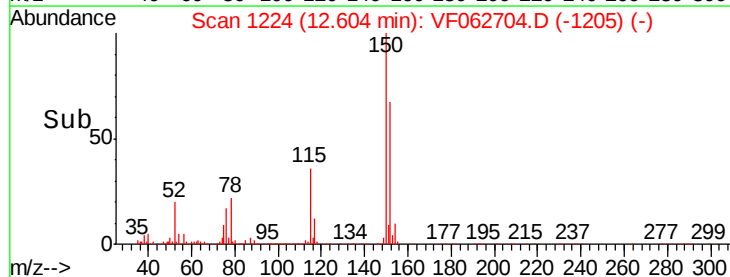
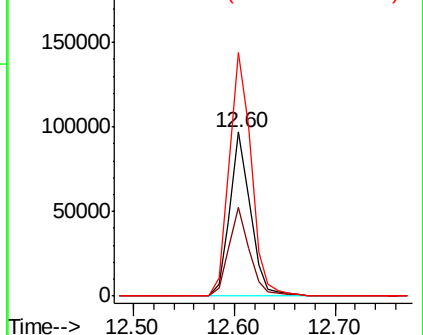
150 148.3 0.0 306.2

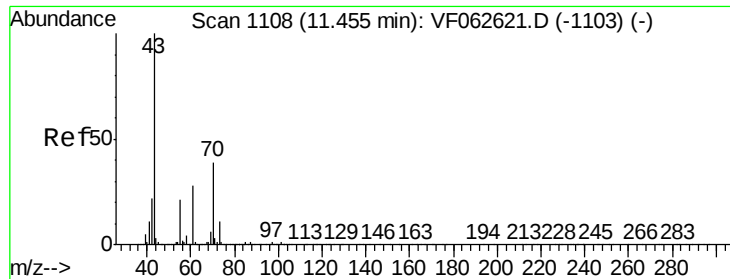


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

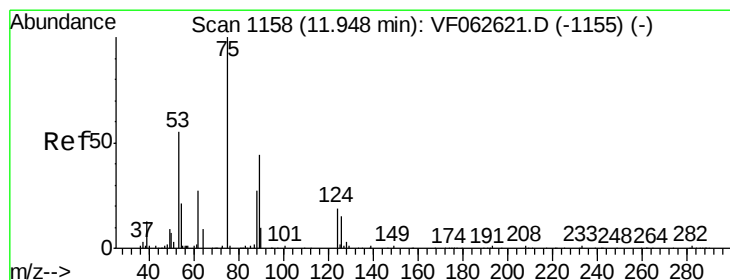
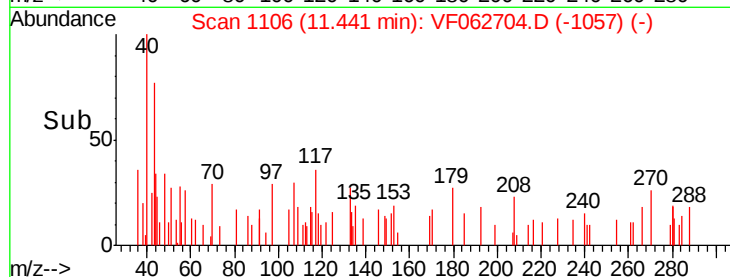
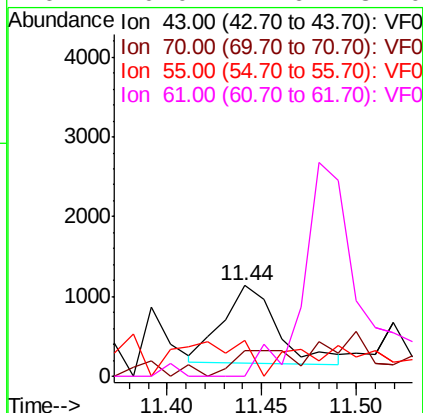
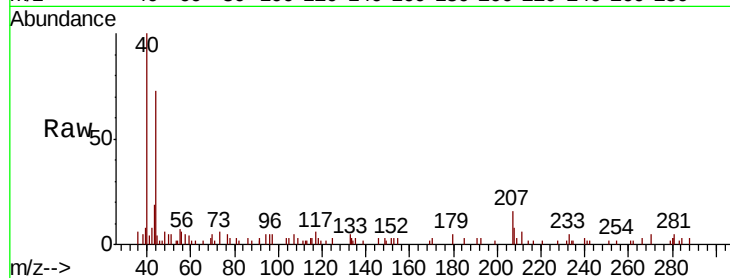




#74
N-amvl acetate
Concen: Below Cal
RT: 11.44 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	43	Resp:	1935
Ion	Ratio	Lower	Upper
43	100		
70	27.8	30.9	46.3#
55	40.2	17.0	25.4#
61	0.0	22.6	34.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 1.769 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VF062704.D
Acq: 22 May 2019 14:29

Tgt Ion:	75	Resp:	1050
Ion	Ratio	Lower	Upper
75	100		
53	35.1	46.9	70.3#
89	33.8	36.4	54.6#

