

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062720.D
 Acq On : 23 May 2019 12:02
 Operator : FY/SY
 Sample : VF0523SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:12:26 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	769864	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1197864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	910604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	423867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	271993	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
35) Dibromofluoromethane	4.31	113	511948	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
50) Toluene-d8	7.71	98	1035249	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.49	95	394418	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

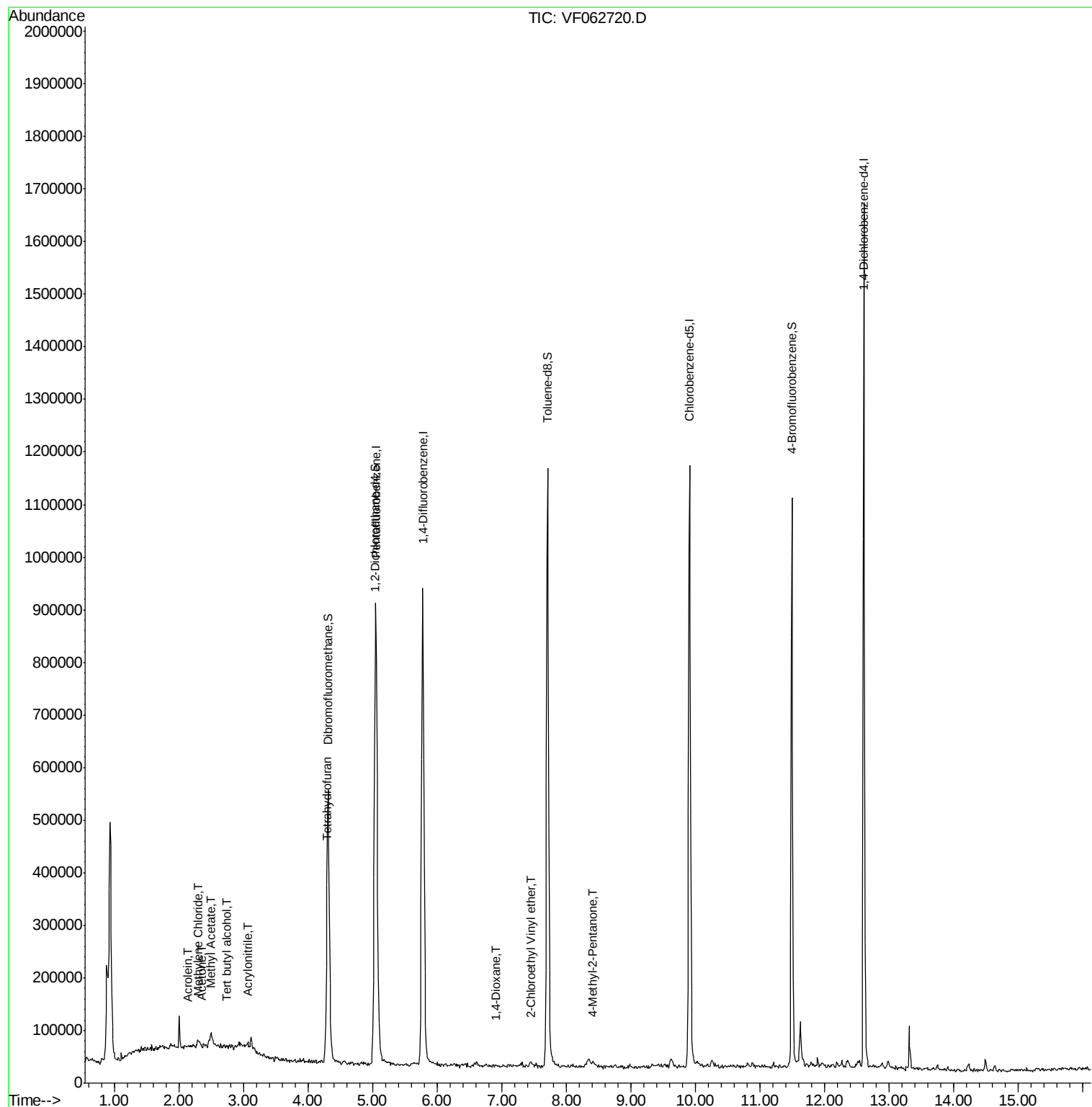
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	1202	3.347	ug/l #	70
13) Acrolein	2.12	56	977	2.606	ug/l #	66
15) Acrylonitrile	3.08	53	3489	3.444	ug/l #	61
16) Acetone	2.35	43	7623	5.401	ug/l	89
18) Methyl Acetate	2.51	43	12767	5.756	ug/l #	61
20) Methylene Chloride	2.31	84	10464	1.479	ug/l #	75
29) Tetrahydrofuran	4.28	42	3633	2.977	ug/l #	74
49) 1,4-Dioxane	6.89	88	759	17.462	ug/l #	50
51) 4-Methyl-2-Pentanone	8.41	43	9673	2.180	ug/l #	75
58) 2-Chloroethyl Vinyl ether	7.44	63	8856	4.398	ug/l #	69
59) 2-Hexanone	9.63	43	14138	Below Cal		81
74) N-amyl acetate	11.45	43	6564	Below Cal	#	92

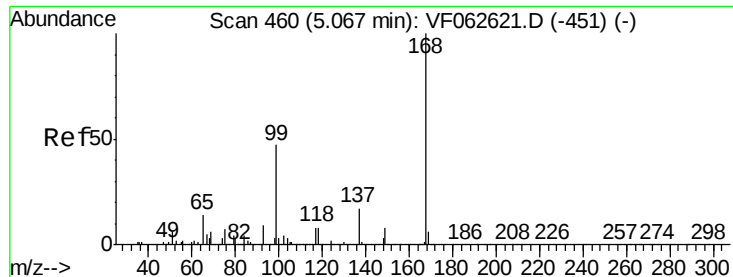
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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Quant Time: May 24 02:12:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
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. -0.02 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

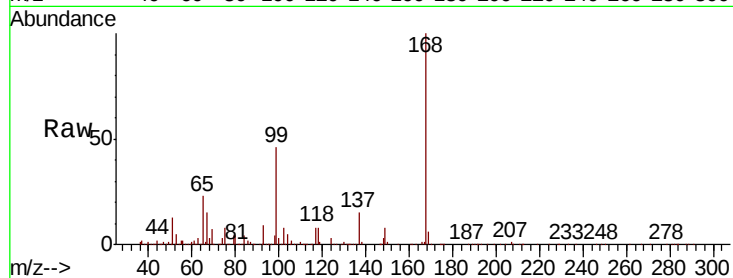
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 769864

Ion Ratio Lower Upper

168 100

99 46.3 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

250000

200000

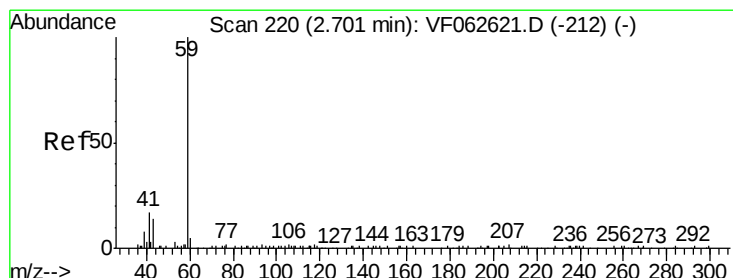
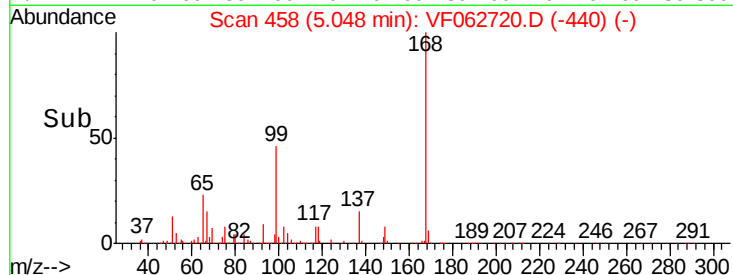
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.347 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062720.D

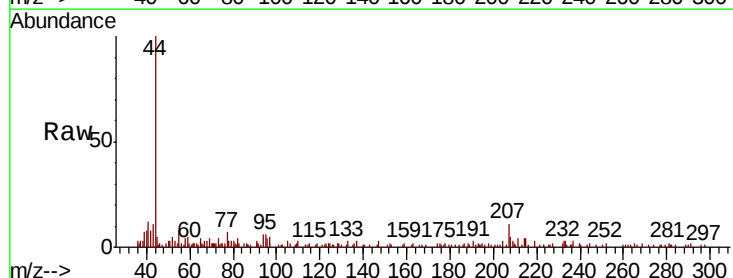
Acq: 23 May 2019 12:02

Tgt Ion: 59 Resp: 1202

Ion Ratio Lower Upper

59 100

57 23.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

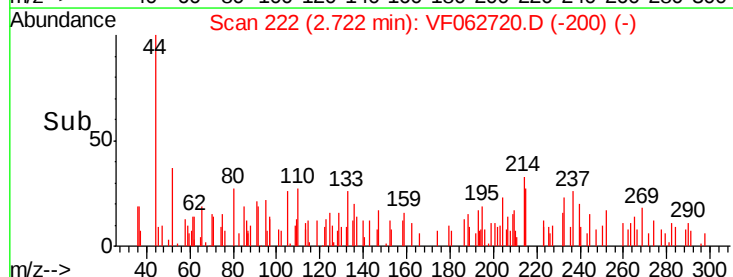
600

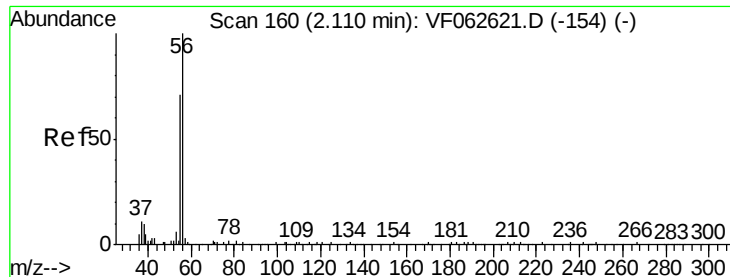
400

200

0

Time-->





#13

Acrolein

Concen: 2.606 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

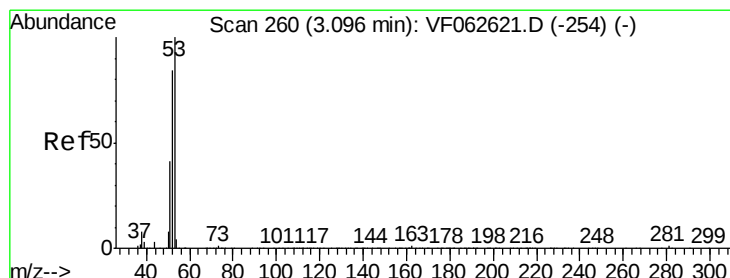
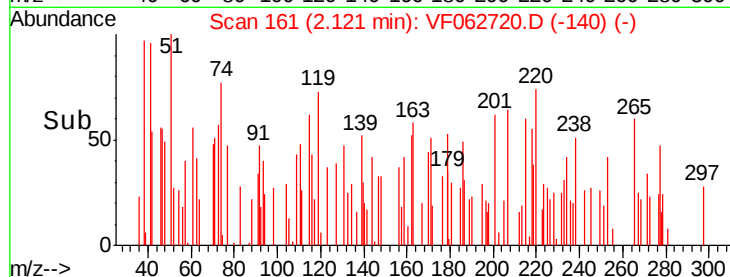
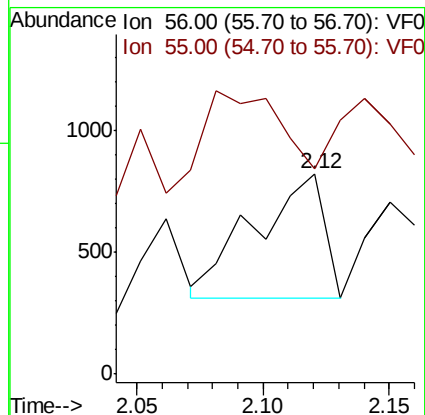
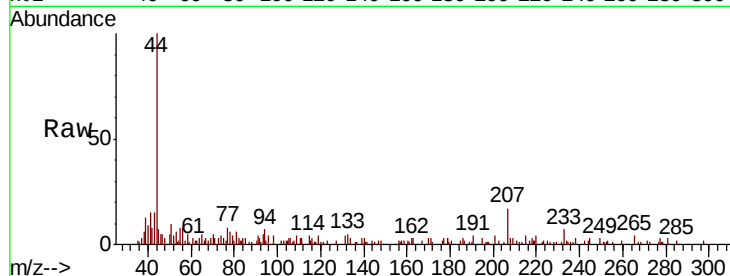
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 977

Ion Ratio Lower Upper

56 100

55 102.7 59.4 89.0#



#15

Acrylonitrile

Concen: 3.444 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

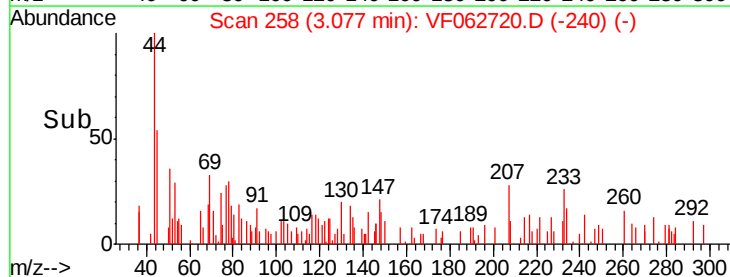
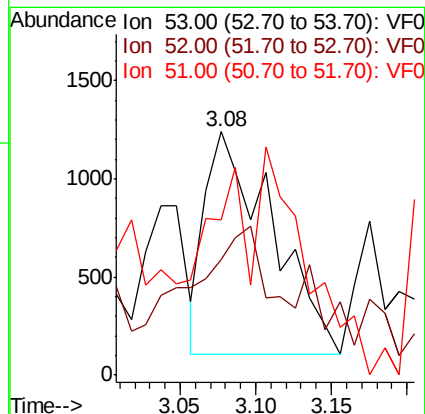
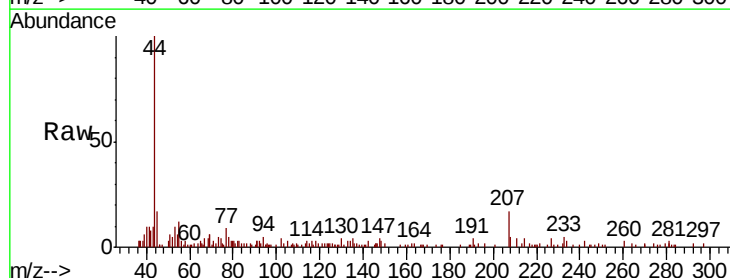
Tgt Ion: 53 Resp: 3489

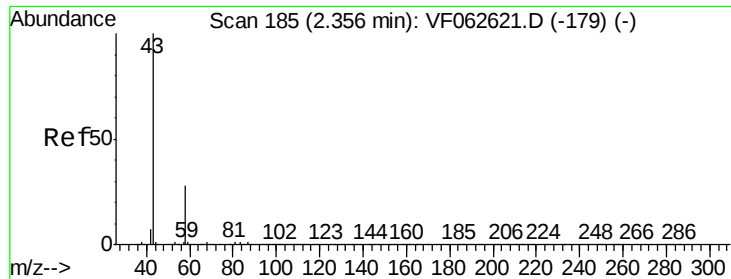
Ion Ratio Lower Upper

53 100

52 47.4 67.3 100.9#

51 64.0 33.0 49.6#

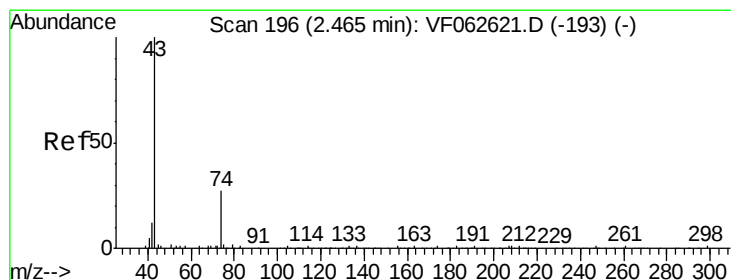
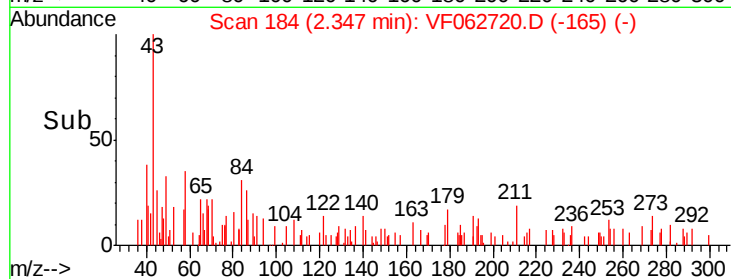
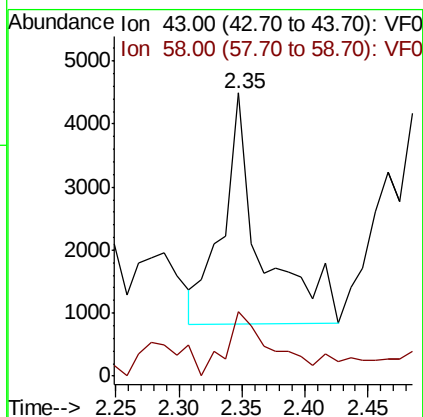
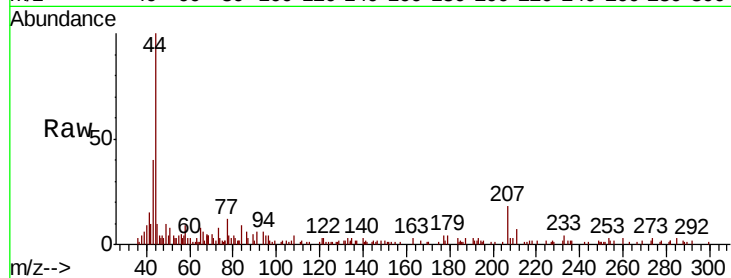




#16
Acetone
Concen: 5.401 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062720.D
Acq: 23 May 2019 12:02

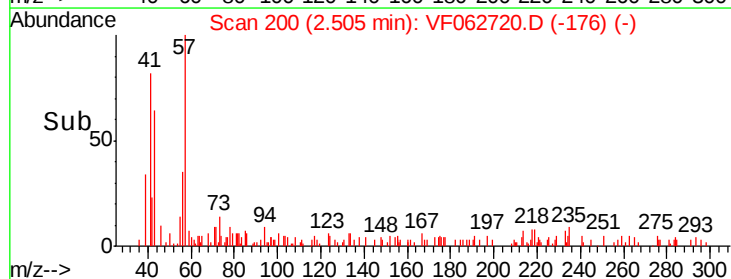
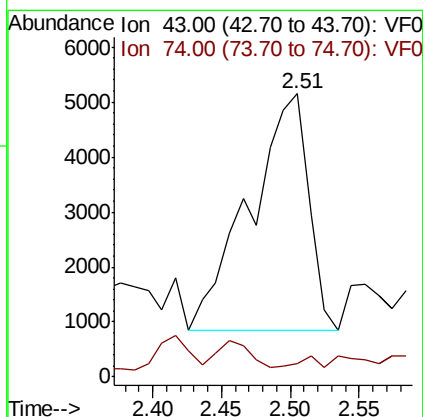
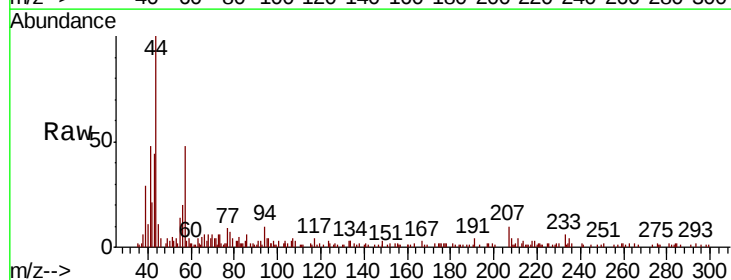
Instrument :
MSVOA_F
ClientSampled :

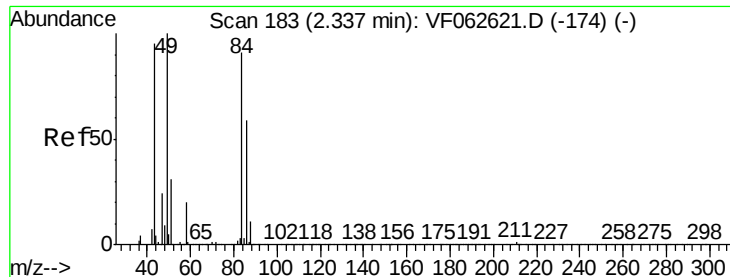
Tot Ion: 43 Resp: 7623
Ion Ratio Lower Upper
43 100
58 22.6 22.6 33.8



#18
Methyl Acetate
Concen: 5.756 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062720.D
Acq: 23 May 2019 12:02

Tgt Ion: 43 Resp: 12767
Ion Ratio Lower Upper
43 100
74 4.7 18.9 28.3#

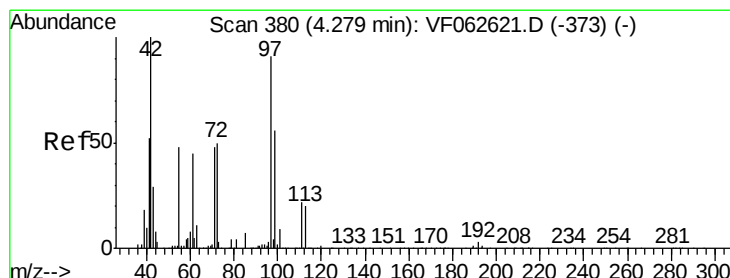
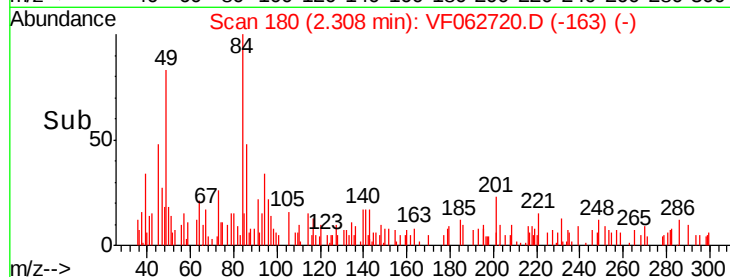
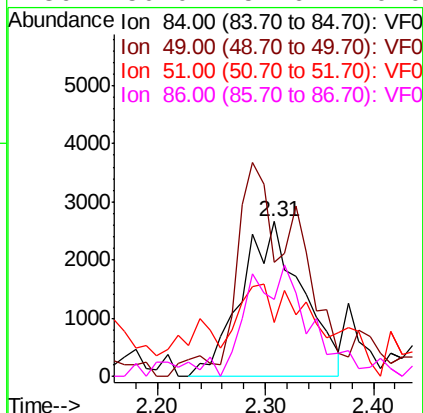
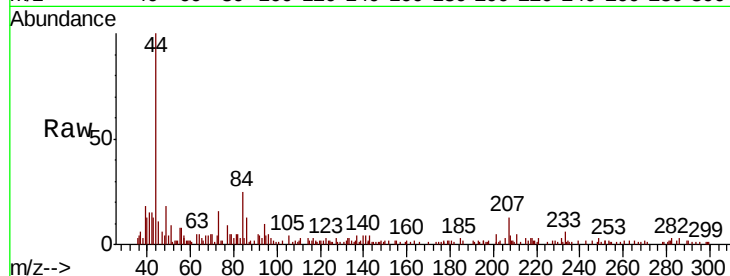




#20
Methvlene Chloride
Concen: 1.479 ug/l
RT: 2.31 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062720.D
Acq: 23 May 2019 12:02

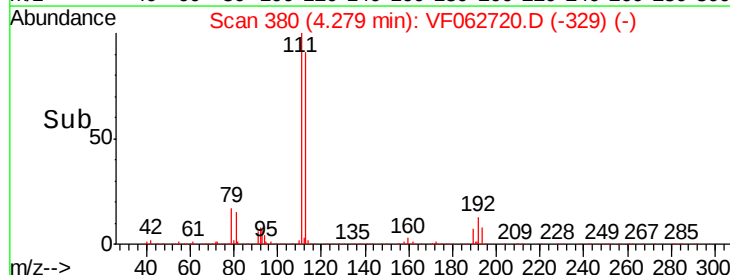
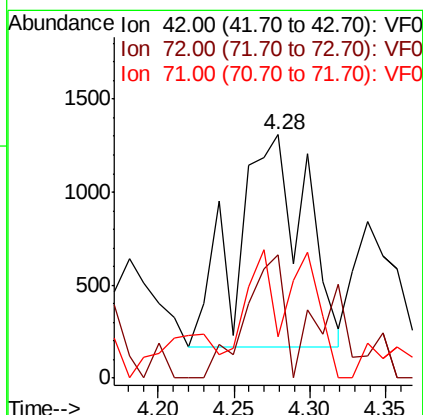
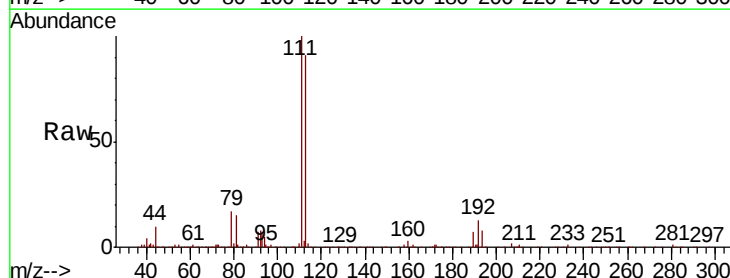
Instrument :
MSVOA_F
ClientSampled :

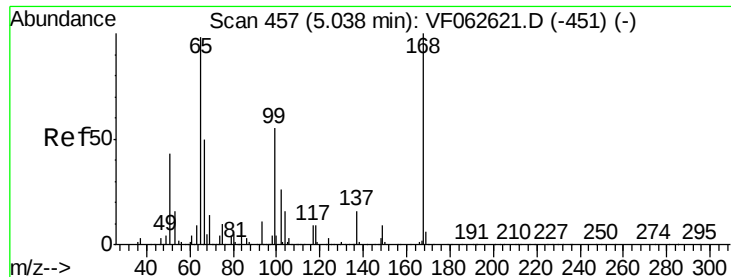
Tot Ion:	84	Resp:	10464
Ion	Ratio	Lower	Upper
84	100		
49	73.7	89.8	134.8#
51	34.7	28.4	42.6
86	50.0	52.6	79.0#



#29
Tetrahydrofuran
Concen: 2.977 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062720.D
Acq: 23 May 2019 12:02

Tgt Ion:	42	Resp:	3633
Ion	Ratio	Lower	Upper
42	100		
72	31.9	38.2	57.2#
71	25.6	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 49.997 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Instrument :

MSVOA_F

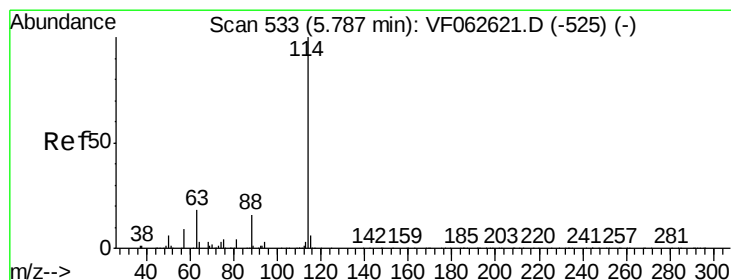
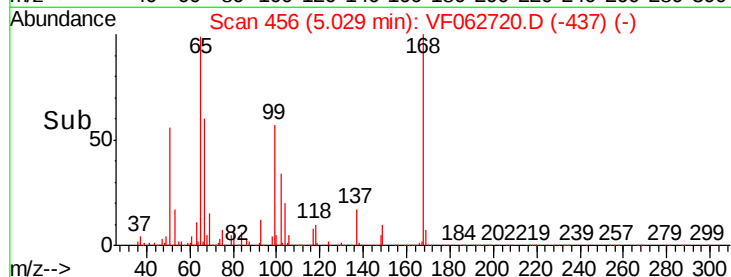
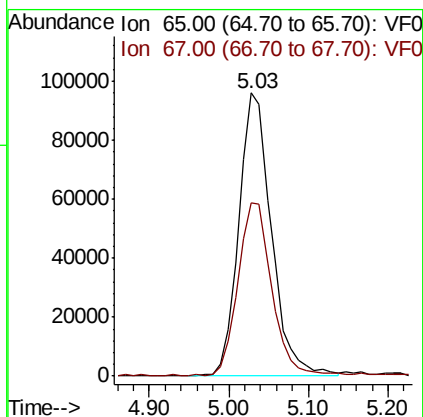
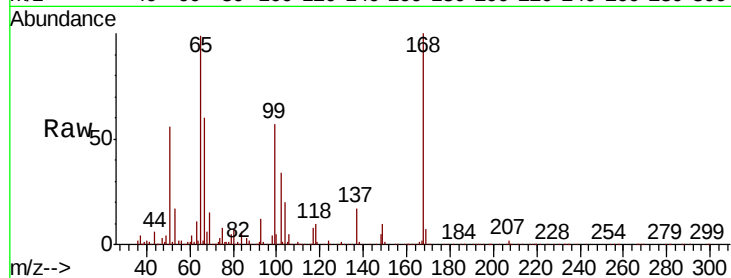
ClientSampleId :

Tot Ion: 65 Resp: 271993

Ion Ratio Lower Upper

65 100

67 61.2 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

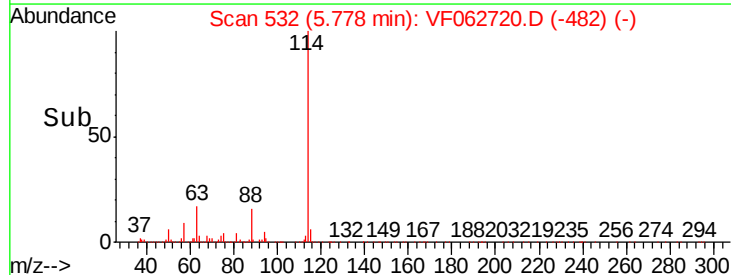
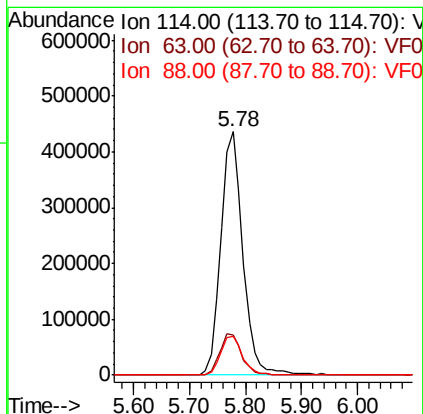
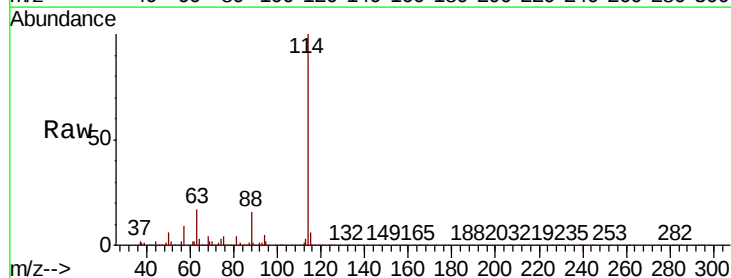
Tgt Ion: 114 Resp: 1197864

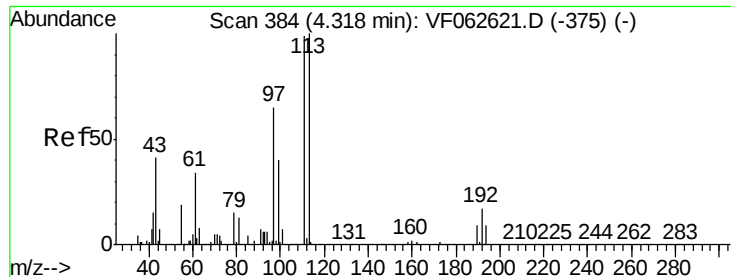
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.4

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 55.852 ug/l

RT: 4.31 min Scan# 383

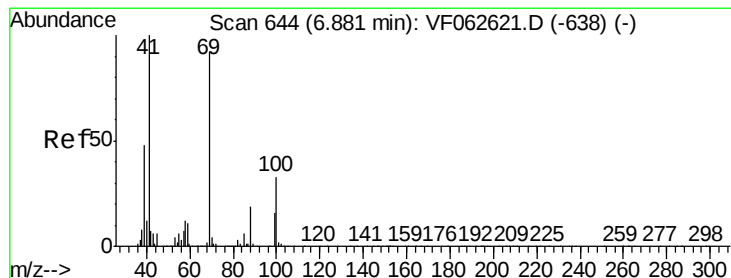
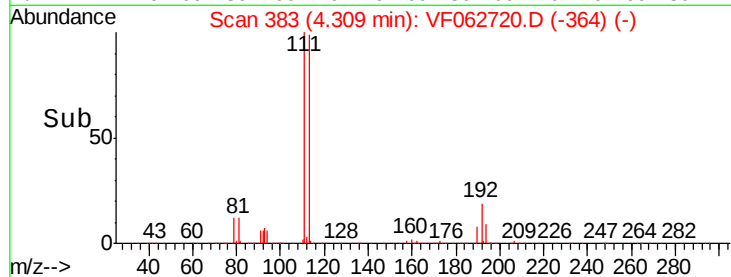
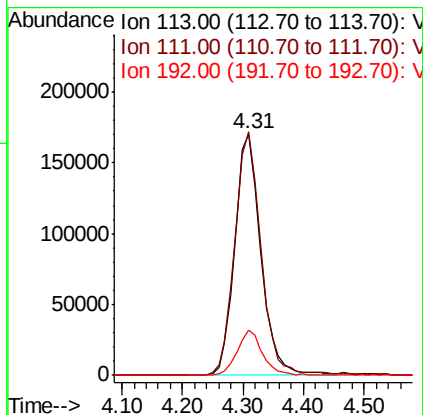
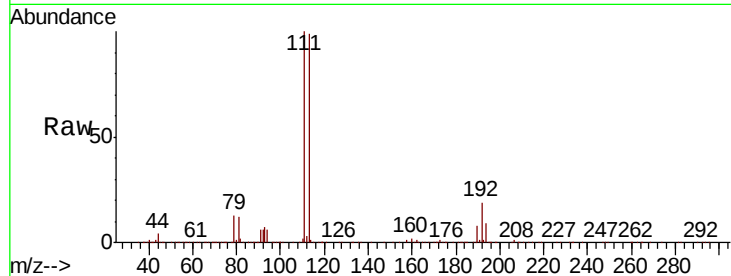
Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	511948
Ion	Ratio	Lower	Upper
113	100		
111	100.8	79.4	119.2
192	18.7	13.4	20.2



#49

1,4-Dioxane

Concen: 17.462 ug/l

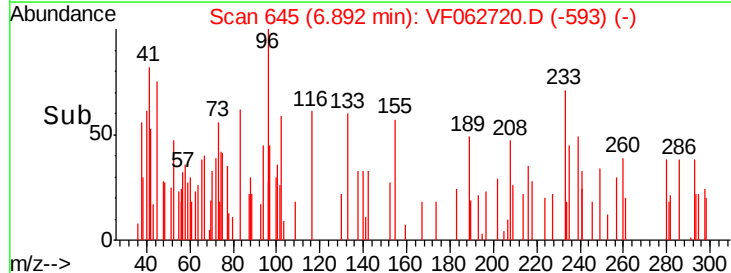
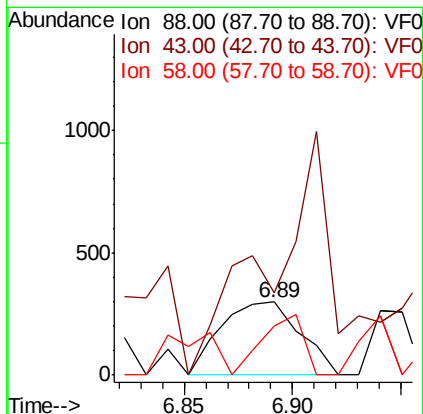
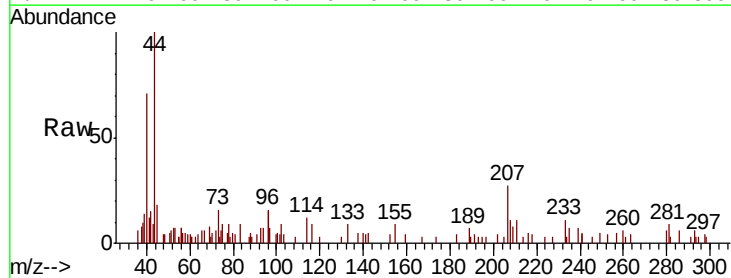
RT: 6.89 min Scan# 645

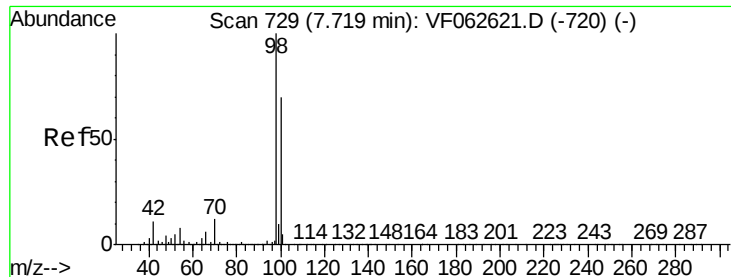
Delta R.T. 0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Tgt Ion:	88	Resp:	759
Ion	Ratio	Lower	Upper
88	100		
43	112.8	30.0	45.0#
58	68.1	51.1	76.7





#50

Toluene-d8

Concen: 47.304 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Instrument :

MSVOA_F

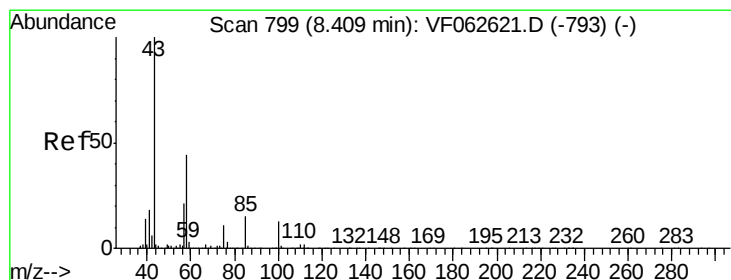
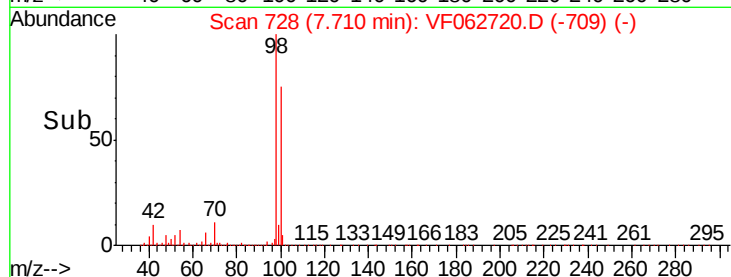
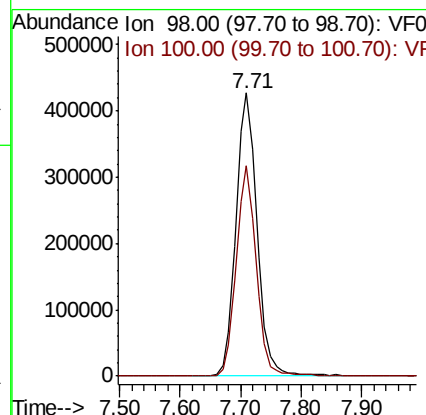
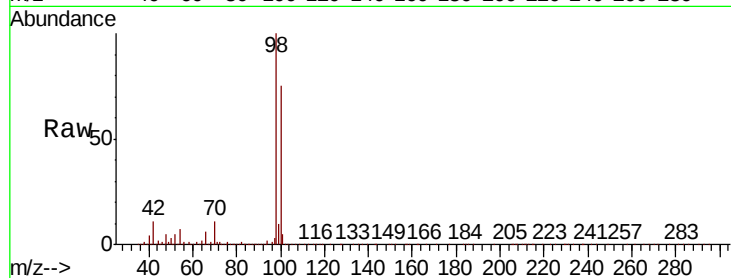
ClientSampleId :

Tot Ion: 98 Resp: 1035249

Ion Ratio Lower Upper

98 100

100 74.5 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 2.180 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062720.D

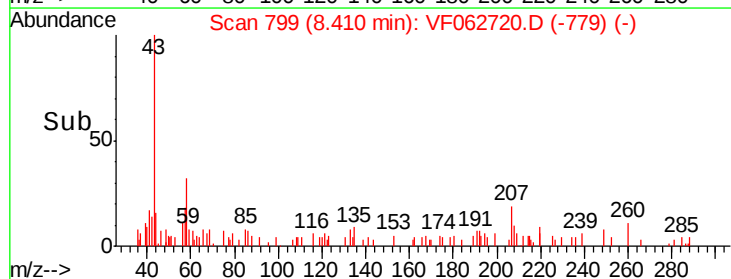
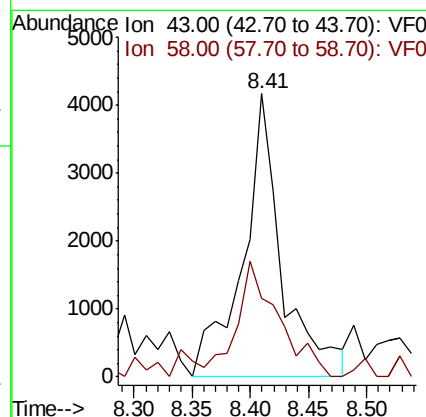
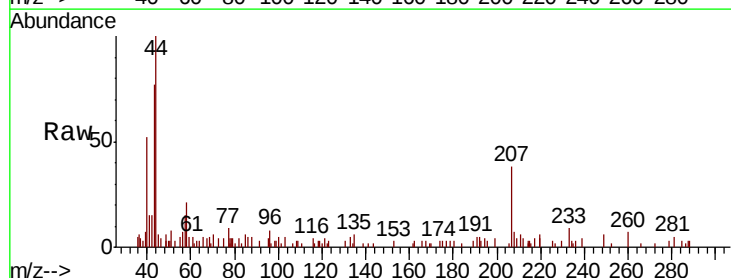
Acq: 23 May 2019 12:02

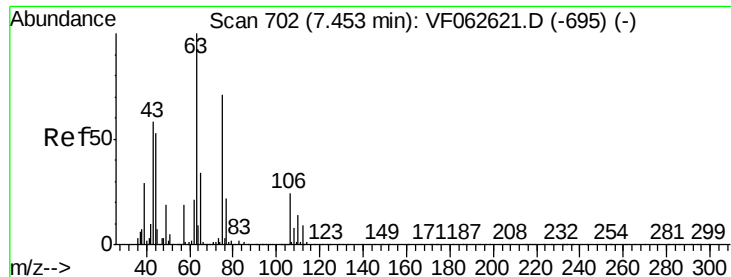
Tgt Ion: 43 Resp: 9673

Ion Ratio Lower Upper

43 100

58 27.7 34.9 52.3#

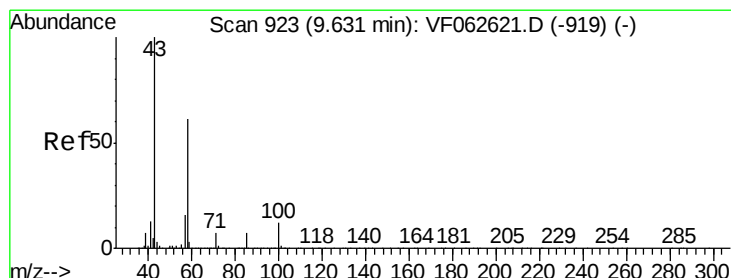
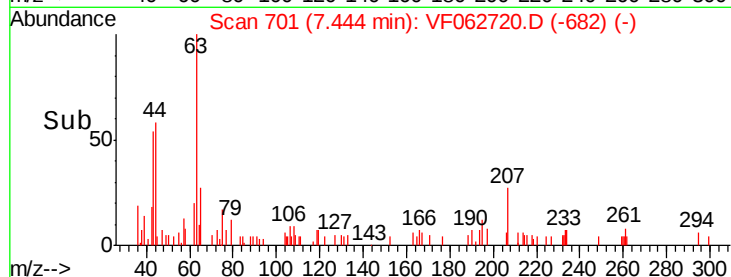
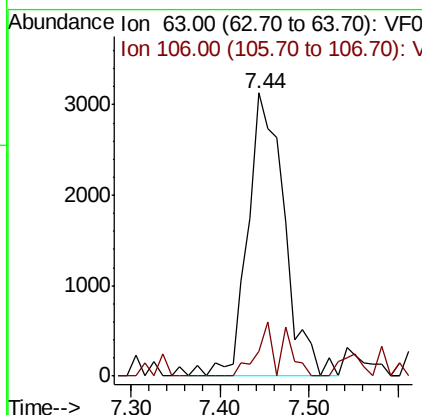
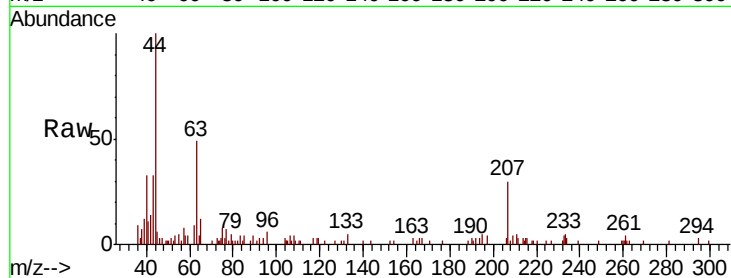




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.398 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VF062720.D
 Acq: 23 May 2019 12:02

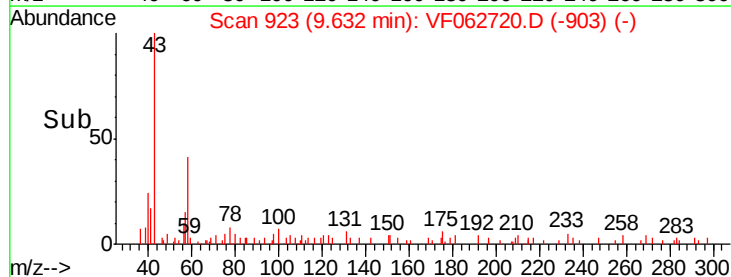
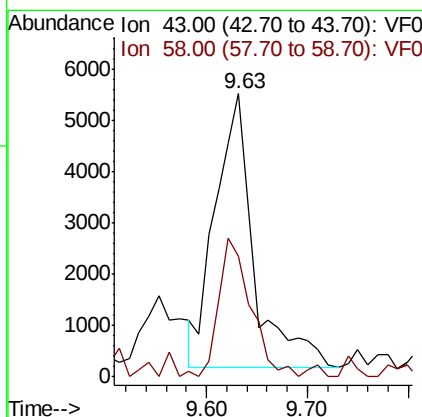
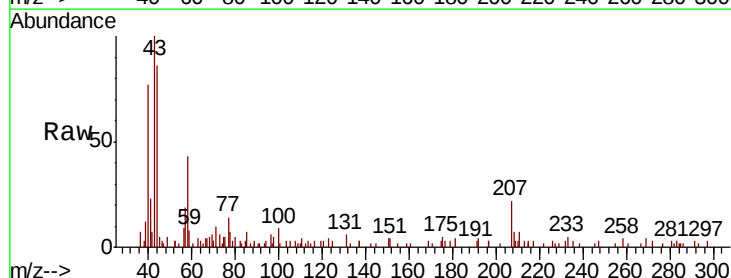
Instrument :
 MSVOA_F
 ClientSampleId :

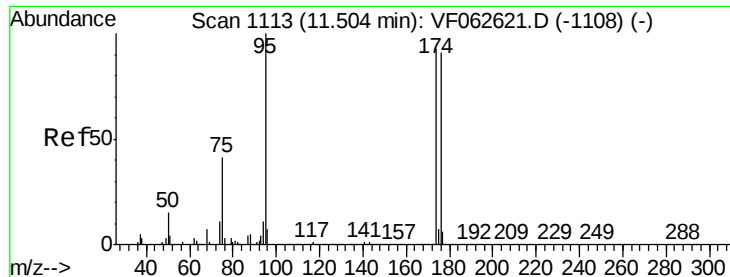
Tot Ion: 63 Resp: 8856
 Ion Ratio Lower Upper
 63 100
 106 8.7 19.1 28.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.63 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF062720.D
 Acq: 23 May 2019 12:02

Tgt Ion: 43 Resp: 14138
 Ion Ratio Lower Upper
 43 100
 58 42.6 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 47.518 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Instrument :

MSVOA_F

ClientSampleId :

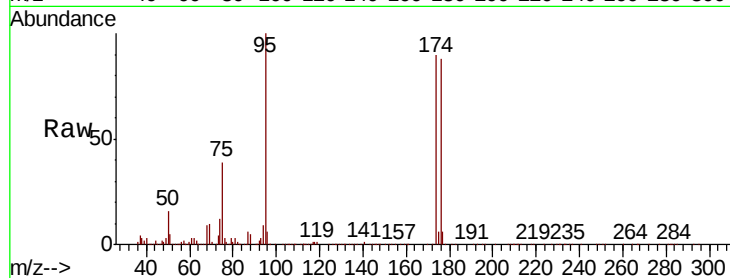
Tot Ion: 95 Resp: 394418

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.6

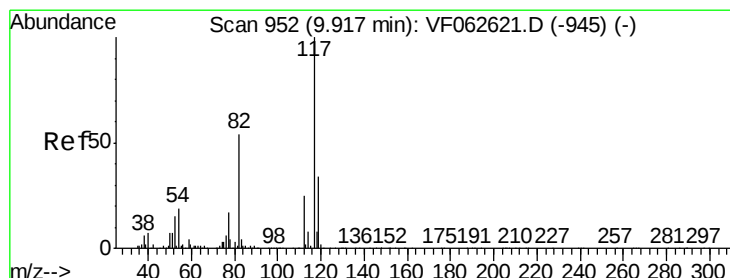
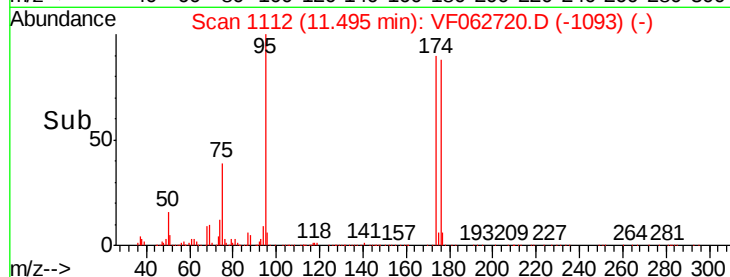
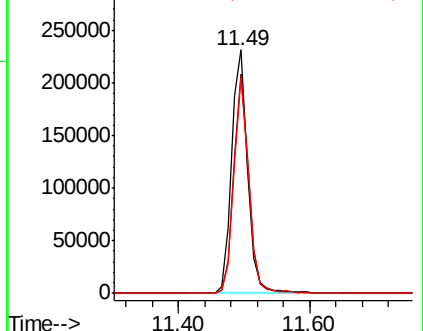
176 88.3 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

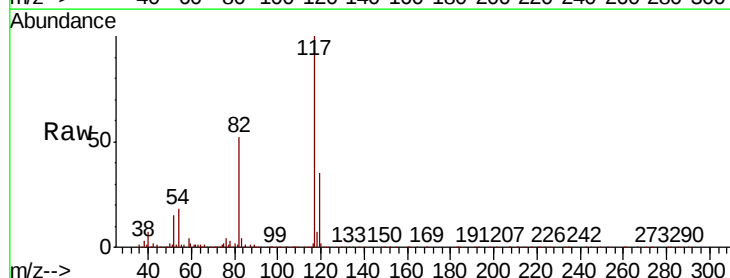
Tgt Ion: 117 Resp: 910604

Ion Ratio Lower Upper

117 100

82 52.1 43.3 64.9

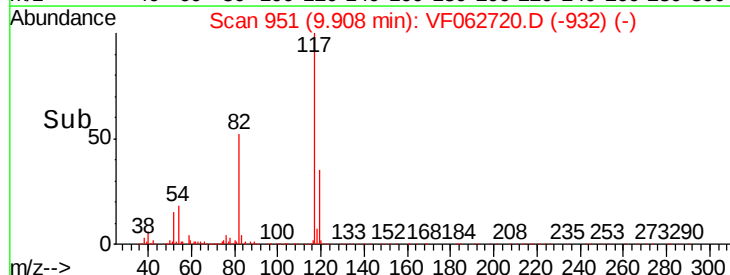
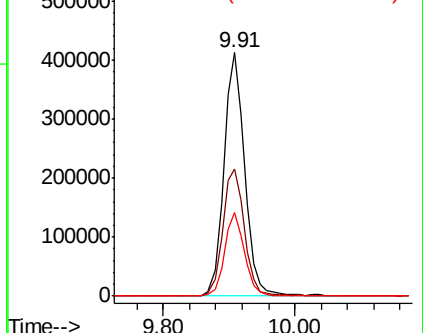
119 34.6 27.4 41.0

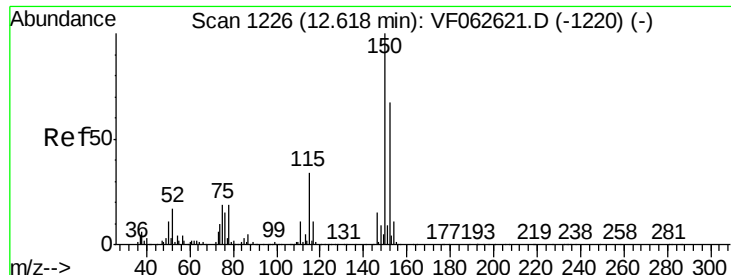


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Instrument :

MSVOA_F

ClientSampled :

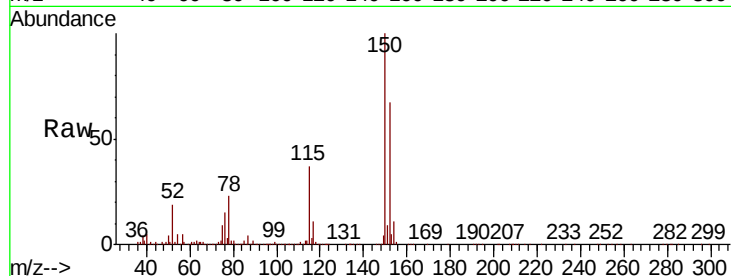
Tot Ion:152 Resp: 423867

Ion Ratio Lower Upper

152 100

115 55.5 25.2 75.6

150 148.5 0.0 306.2

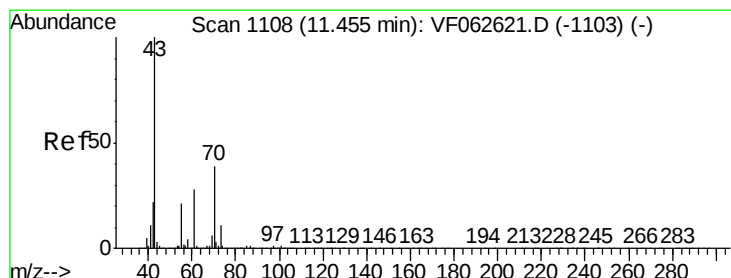
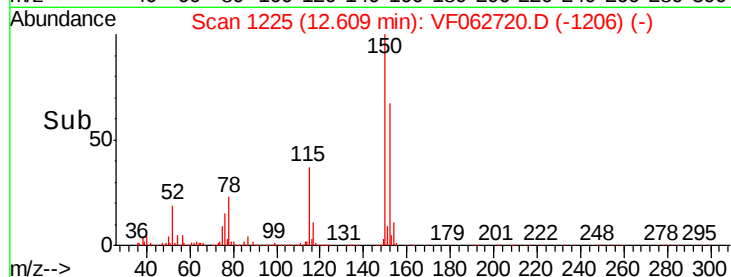
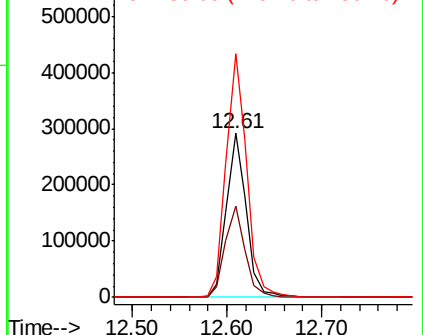


Abundance

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-ethyl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062720.D

Acq: 23 May 2019 12:02

Tgt Ion: 43 Resp: 6564

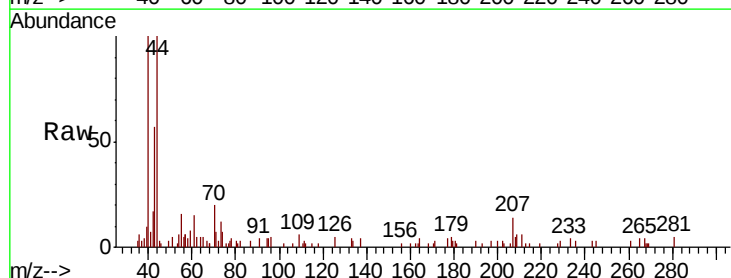
Ion Ratio Lower Upper

43 100

70 34.5 30.9 46.3

55 28.9 17.0 25.4

61 26.8 22.6 34.0



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

