

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062931.D
 Acq On : 12 Jun 2019 16:53
 Operator : FY/SY
 Sample : K3294-04
 Misc : 3.87g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:31:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	627369	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1095584	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	803863	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	287268	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	229038	52.79	ug/l	-0.03
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	4.31	113	30805	3.72	ug/l	-0.03
Spiked Amount			Recovery	=	7.44%	
50) Toluene-d8	7.71	98	816348	38.99	ug/l	-0.03
Spiked Amount			Recovery	=	77.98%	
62) 4-Bromofluorobenzene	11.49	95	286082	37.99	ug/l	-0.02
Spiked Amount			Recovery	=	75.98%	

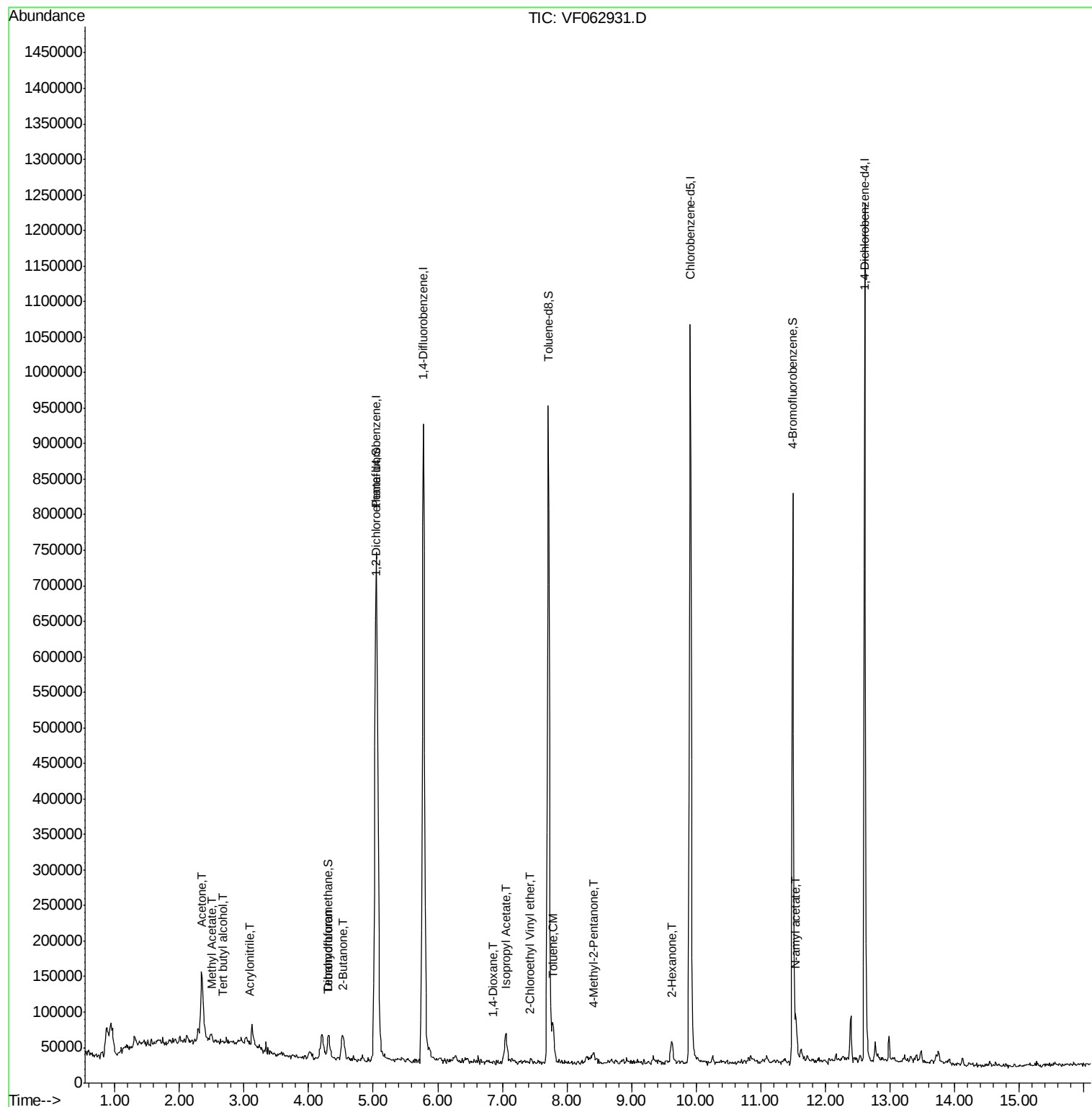
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	1252	Below Cal		90
11) Tert butyl alcohol	2.69	59	2896	11.019	ug/l #	1
15) Acrylonitrile	3.10	53	1886	1.910	ug/l #	62
16) Acetone	2.35	43	167713	168.906	ug/l	99
18) Methyl Acetate	2.49	43	7415	4.273	ug/l #	60
20) Methylene Chloride	2.29	84	10981	Below Cal		88
25) 2-Butanone	4.53	43	78126	33.787	ug/l	95
29) Tetrahydrofuran	4.29	42	3618	4.091	ug/l #	42
43) Isopropyl Acetate	7.06	43	69706	13.686	ug/l #	40
49) 1,4-Dioxane	6.85	88	65	1.879	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	18385	5.056	ug/l #	74
52) Toluene	7.78	92	30254	1.914	ug/l	80
58) 2-Chloroethyl Vinyl ether	7.44	63	3285	1.855	ug/l #	51
59) 2-Hexanone	9.63	43	34009	13.122	ug/l	96
74) N-amyl acetate	11.53	43	42495	7.522	ug/l #	49

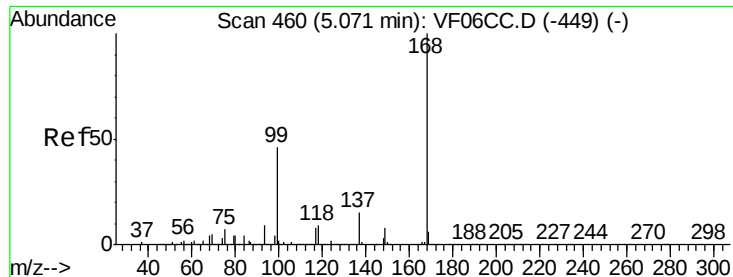
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

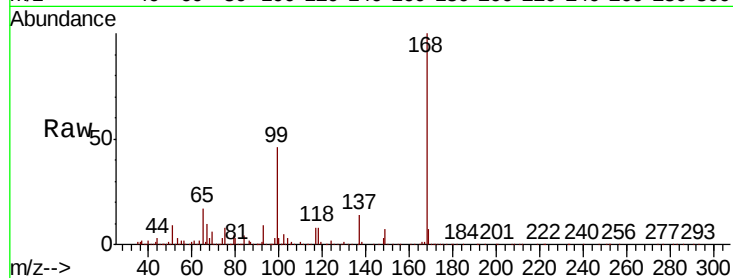
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 627369

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

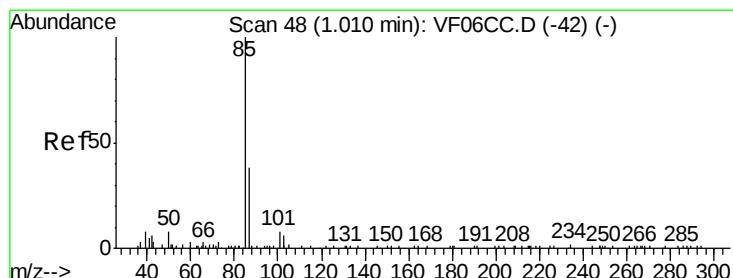
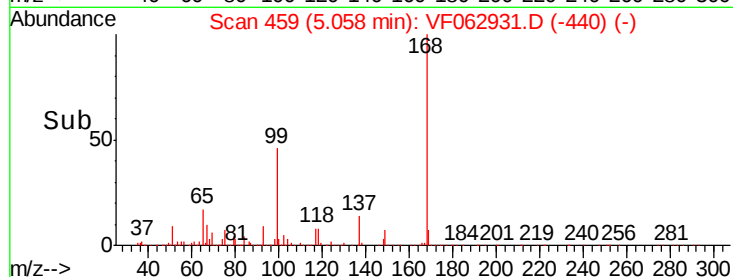
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.03 min

Lab File: VF062931.D

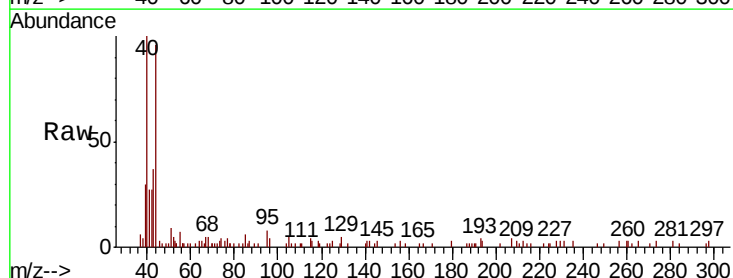
Acq: 12 Jun 2019 16:53

Tgt Ion: 85 Resp: 1252

Ion Ratio Lower Upper

85 100

87 41.1 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

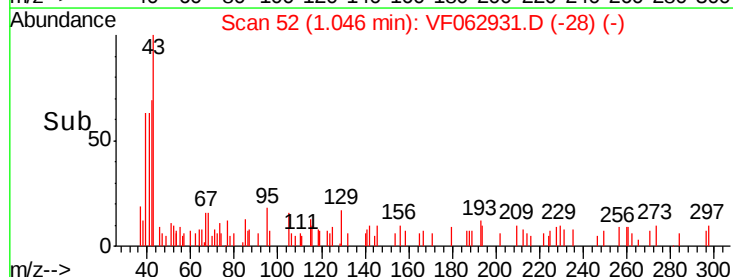
600

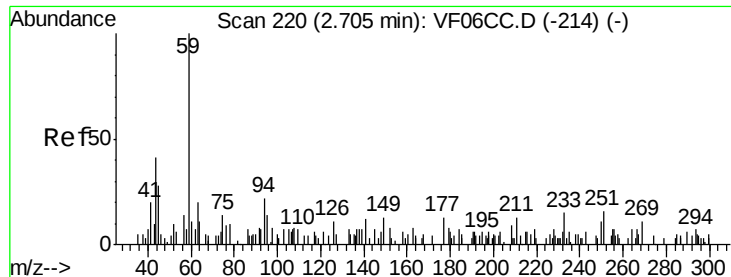
400

200

0

Time-->

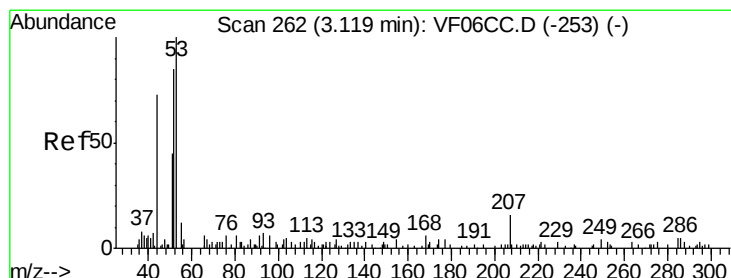
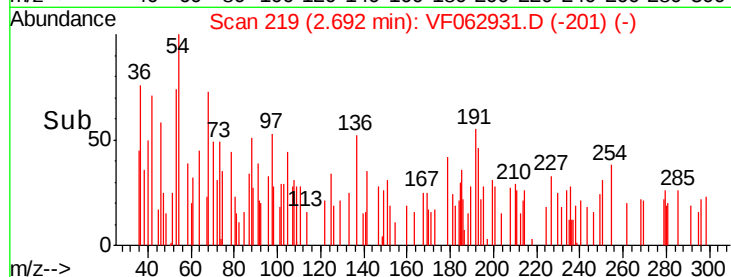
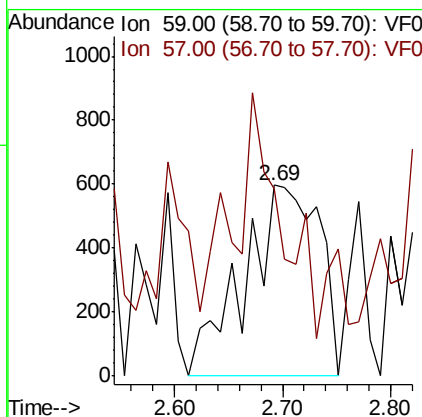
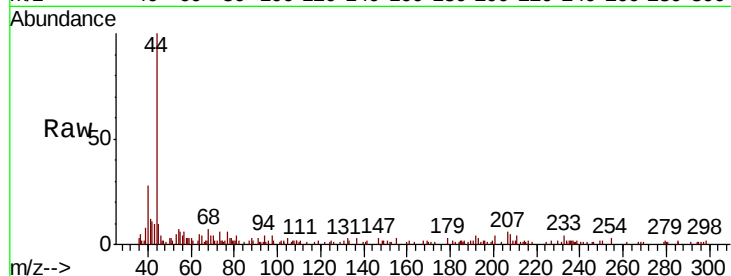




#11
Tert butvl alcohol
Concen: 11.019 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

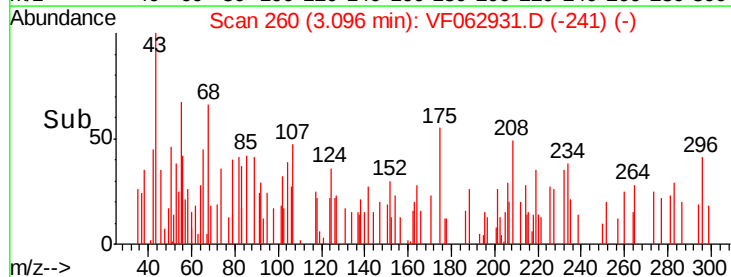
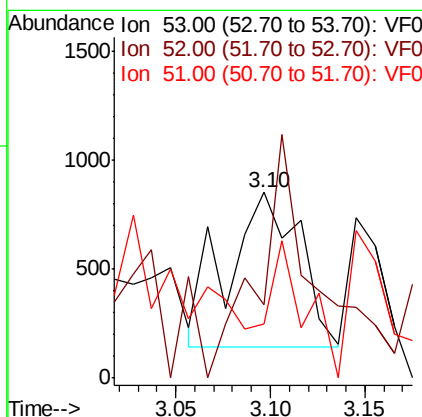
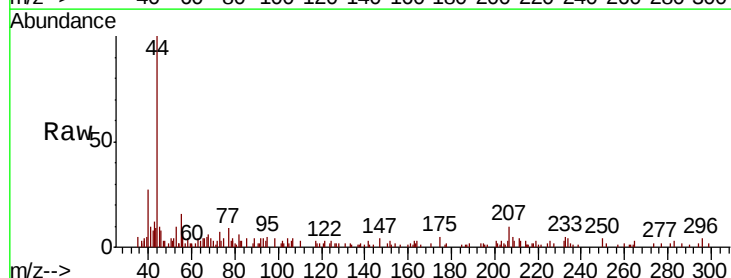
Instrument :
MSVOA_F
ClientSampleId :

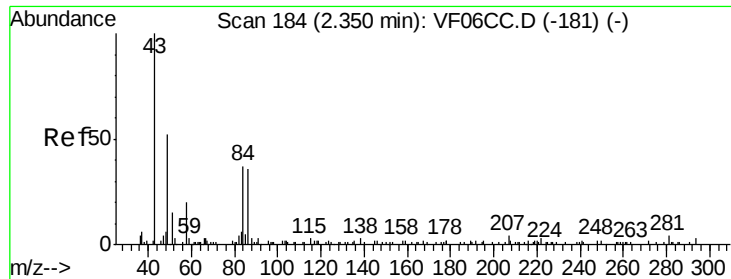
Tot Ion: 59 Resp: 2896
Ion Ratio Lower Upper
59 100
57 97.8 9.2 13.8#



#15
Acrylonitrile
Concen: 1.910 ug/l
RT: 3.10 min Scan# 260
Delta R.T. -0.02 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

Tgt Ion: 53 Resp: 1886
Ion Ratio Lower Upper
53 100
52 39.6 68.1 102.1#
51 28.9 27.7 41.5

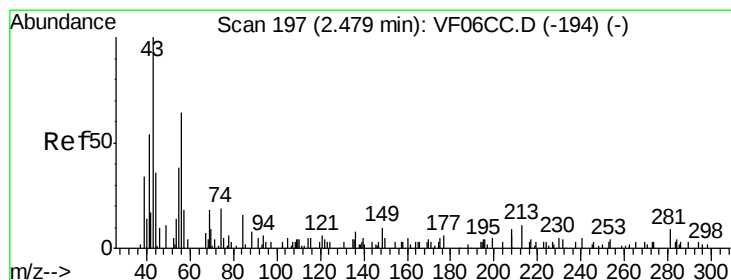
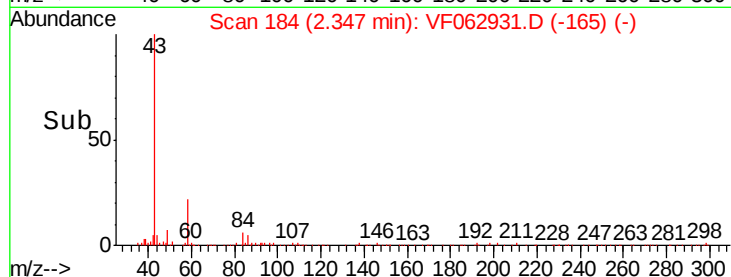
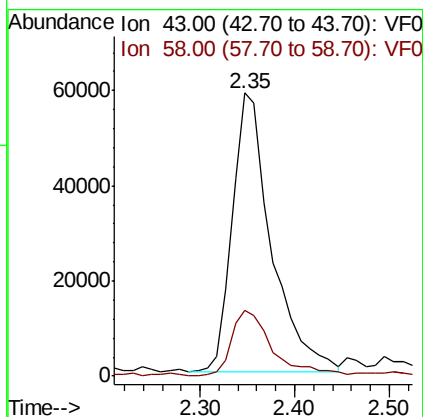
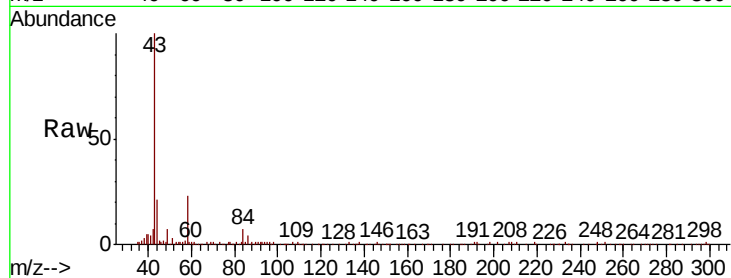




#16
Acetone
Concen: 168.906 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

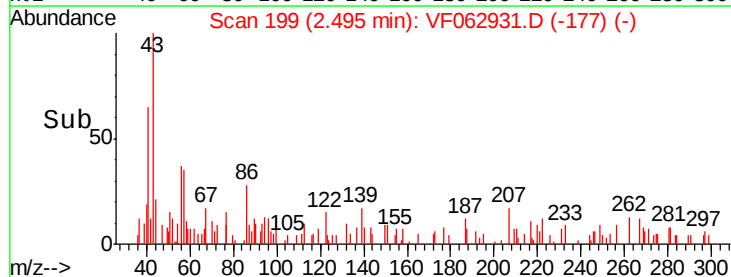
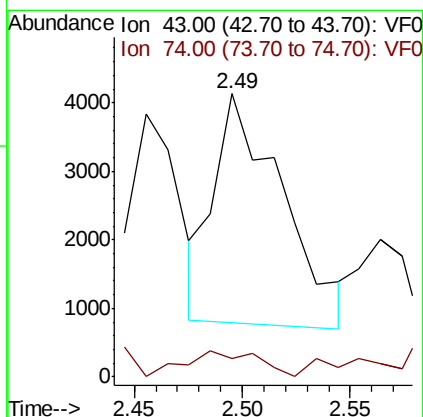
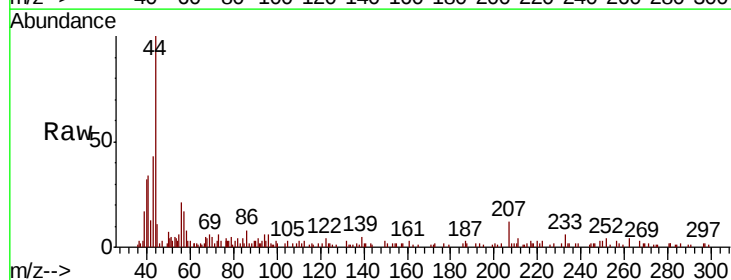
Instrument :
MSVOA_F
ClientSampleId :

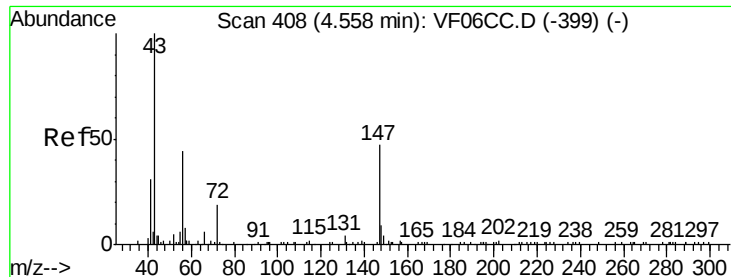
Tot Ion: 43 Resp: 167713
Ion Ratio Lower Upper
43 100
58 23.1 19.0 28.4



#18
Methyl Acetate
Concen: 4.273 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

Tgt Ion: 43 Resp: 7415
Ion Ratio Lower Upper
43 100
74 6.5 22.1 33.1#

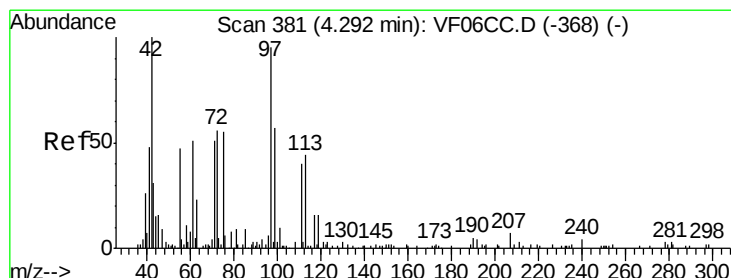
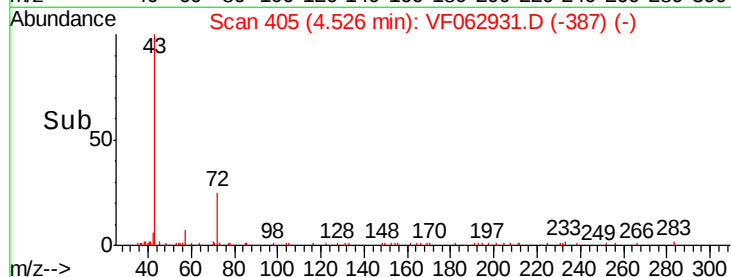
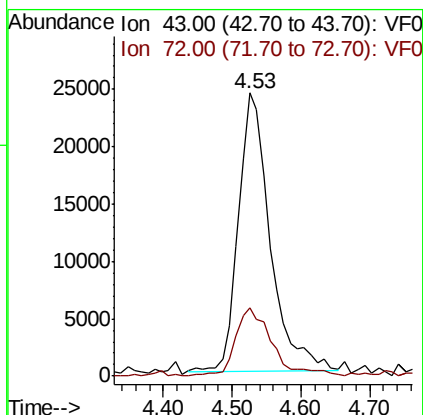
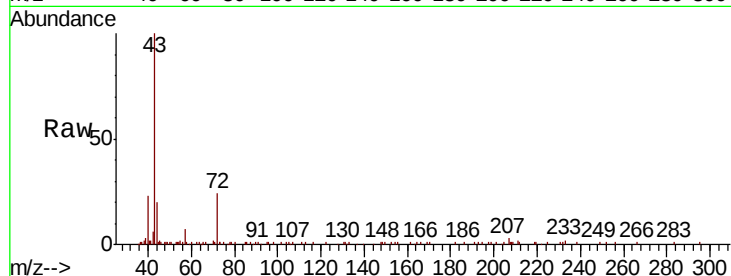




#25
2-Butanone
Concen: 33.787 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

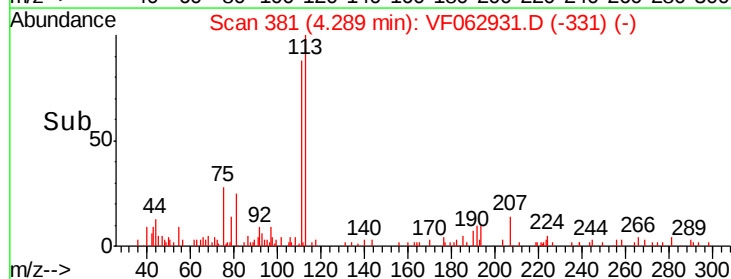
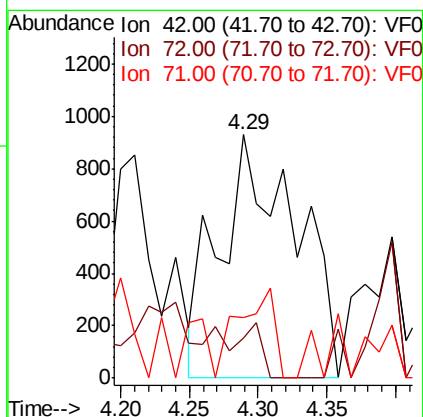
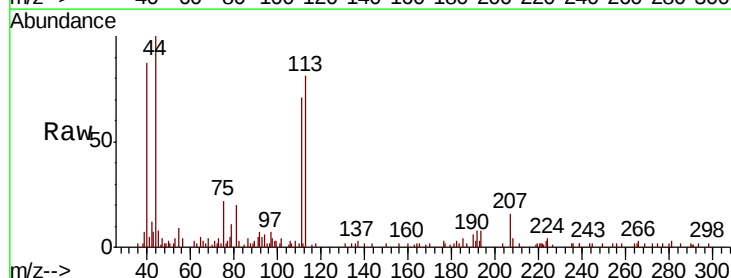
Instrument :
MSVOA_F
ClientSampled :

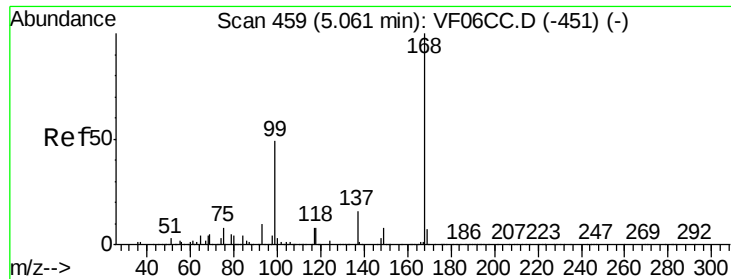
Tot Ion: 43 Resp: 78126
Ion Ratio Lower Upper
43 100
72 23.9 21.4 32.0



#29
Tetrahydrofuran
Concen: 4.091 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

Tgt Ion: 42 Resp: 3618
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 17.3 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 52.794 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

Instrument :

MSVOA_F

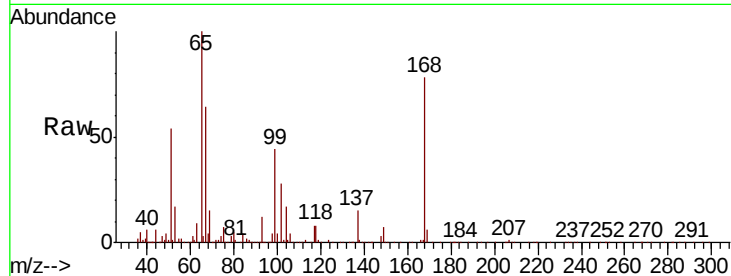
ClientSampleId :

Tot Ion: 65 Resp: 229038

Ion Ratio Lower Upper

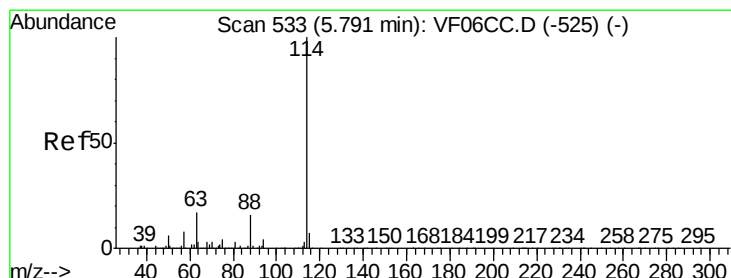
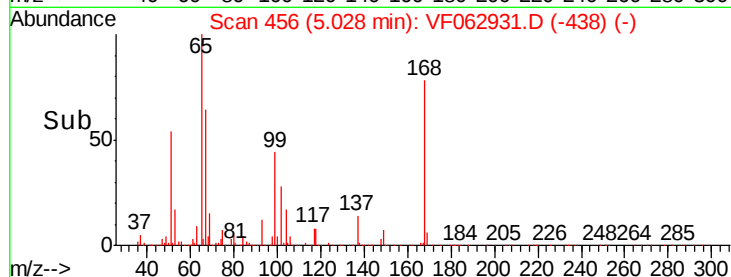
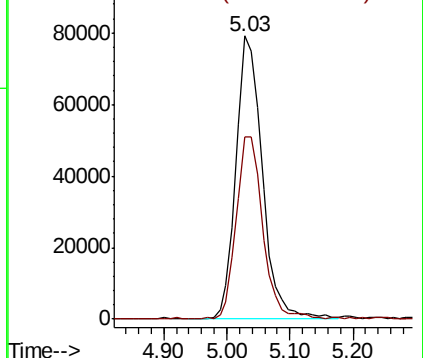
65 100

67 64.2 0.0 121.2



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: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

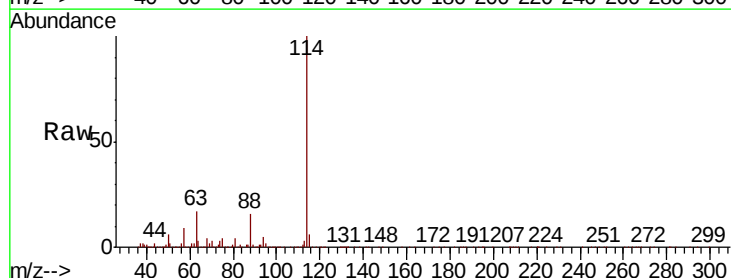
Tgt Ion: 114 Resp: 1095584

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

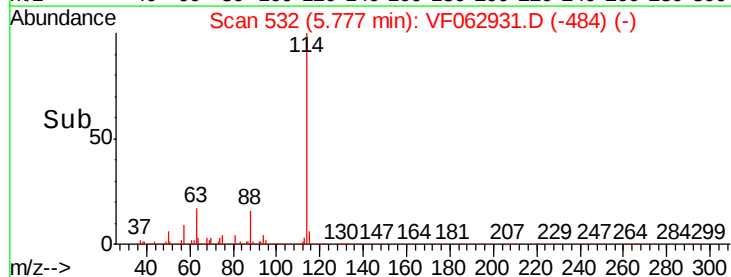
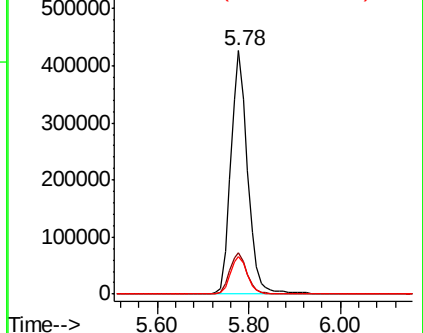
88 15.5 0.0 31.2

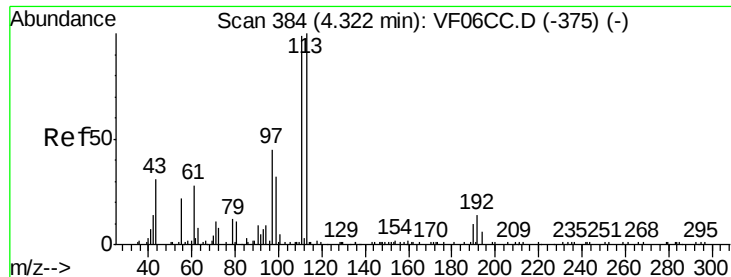


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 3.721 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :

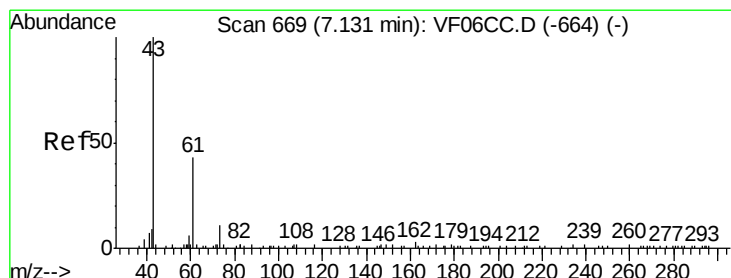
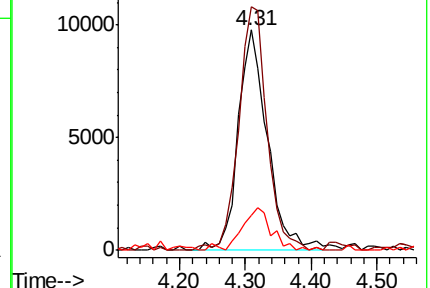
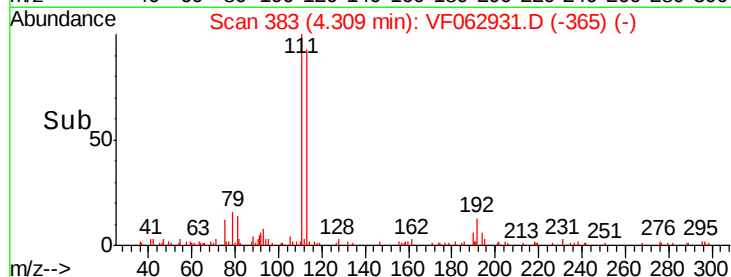
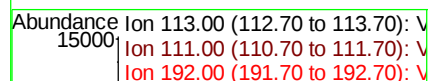
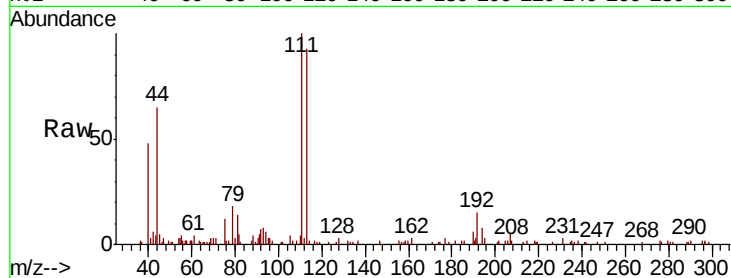
Tot Ion:113 Resp: 30805

Ion	Ratio	Lower	Upper
113	100		
111	110.5	81.9	122.9
192	15.7	15.1	22.7

113 100

111 110.5 81.9 122.9

192 15.7 15.1 22.7



#43

Isopropyl Acetate

Concen: 13.686 ug/l

RT: 7.06 min Scan# 662

Delta R.T. -0.07 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

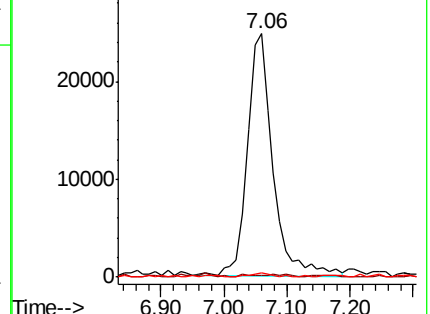
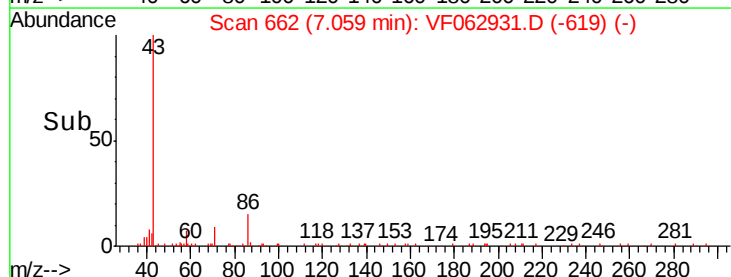
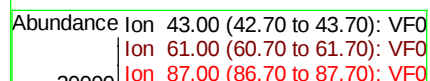
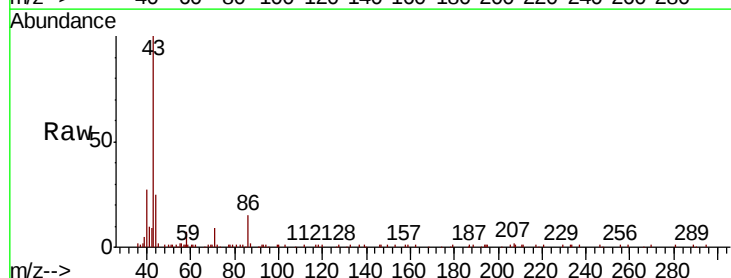
Tgt Ion: 43 Resp: 69706

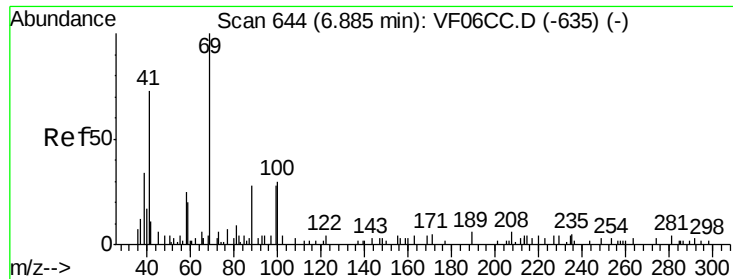
Ion	Ratio	Lower	Upper
43	100		
61	0.7	29.8	44.6#
87	1.6	0.3	0.5#

43 100

61 0.7 29.8 44.6#

87 1.6 0.3 0.5#

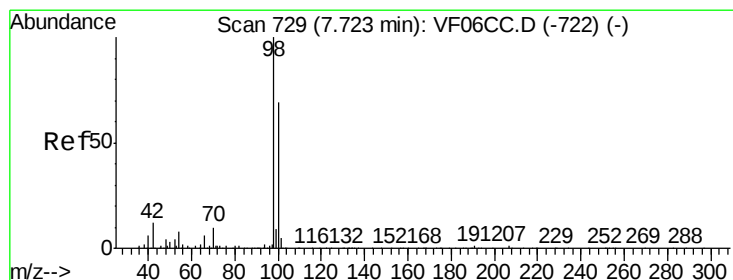
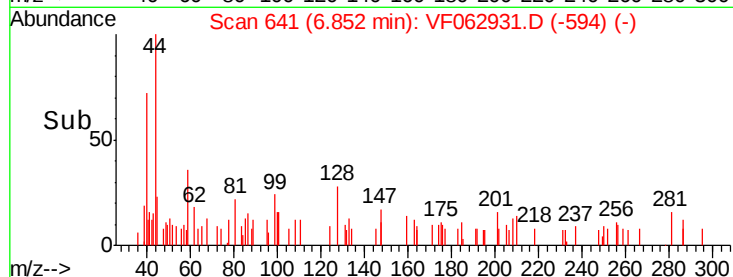
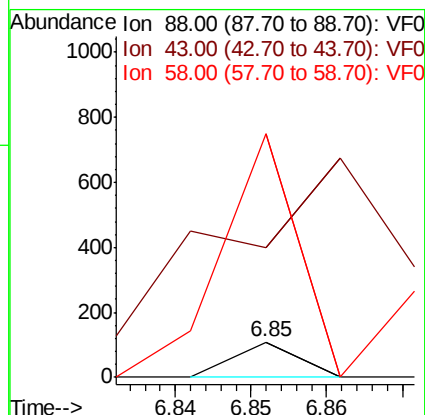
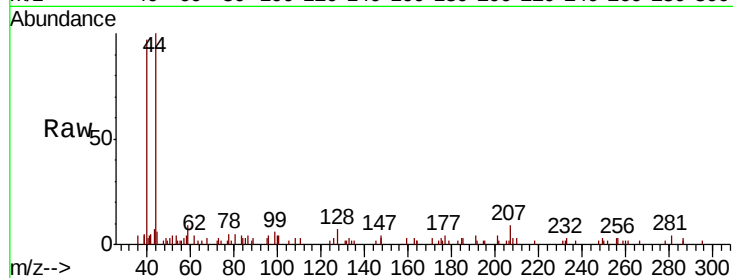




#49
1,4-Dioxane
Concen: 1.879 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

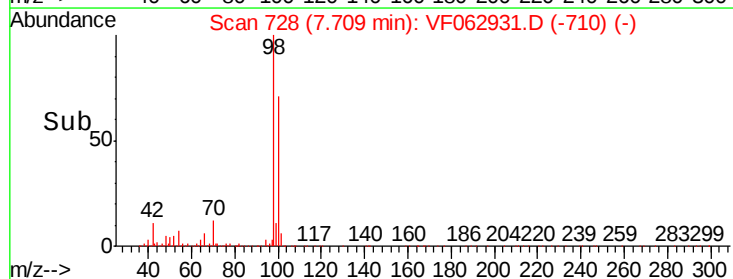
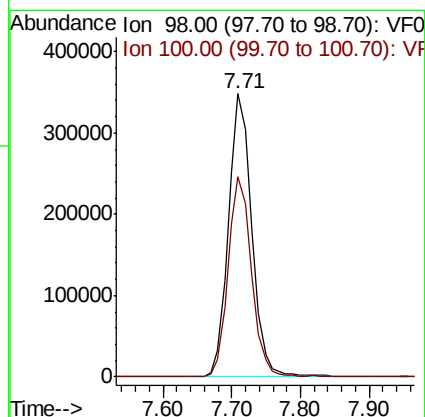
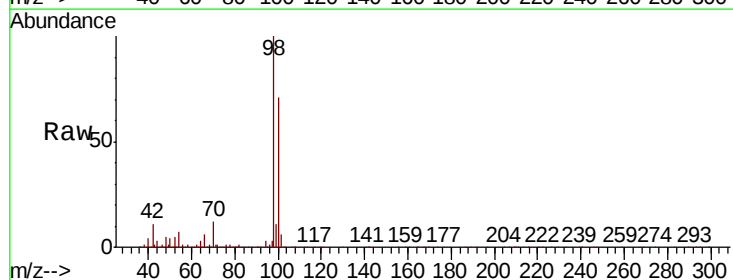
Instrument :
MSVOA_F
ClientSampleId :

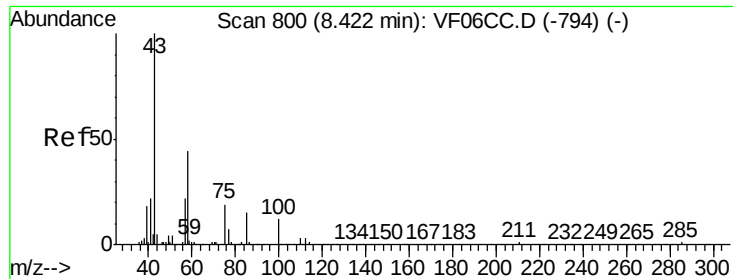
Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 363.6 34.8 52.2#
58 680.9 59.9 89.9#



#50
Toluene-d8
Concen: 38.994 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

Tgt Ion: 98 Resp: 816348
Ion Ratio Lower Upper
98 100
100 70.9 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 5.056 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

Instrument :

MSVOA_F

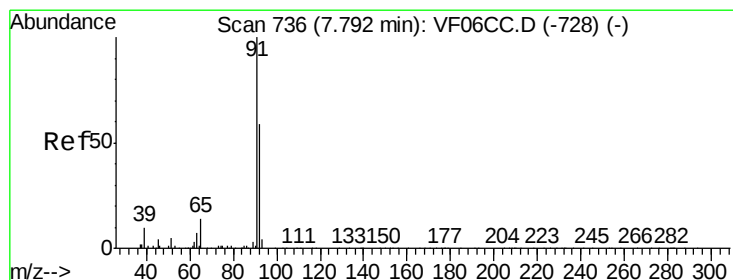
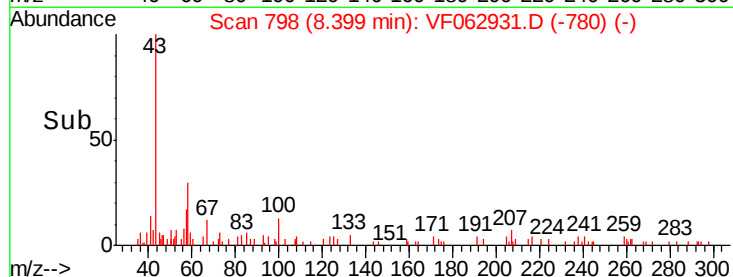
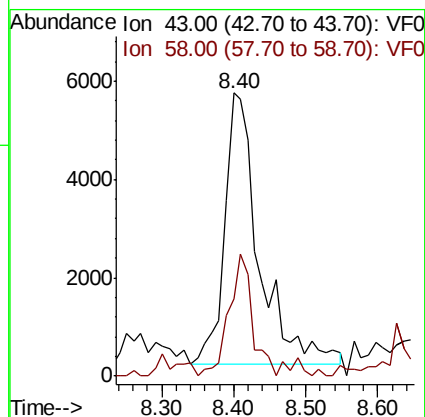
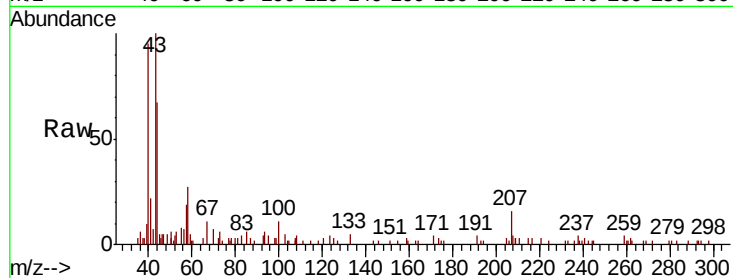
ClientSampleId :

Tot Ion: 43 Resp: 18385

Ion Ratio Lower Upper

43 100

58 27.4 35.5 53.3#



#52

Toluene

Concen: 1.914 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062931.D

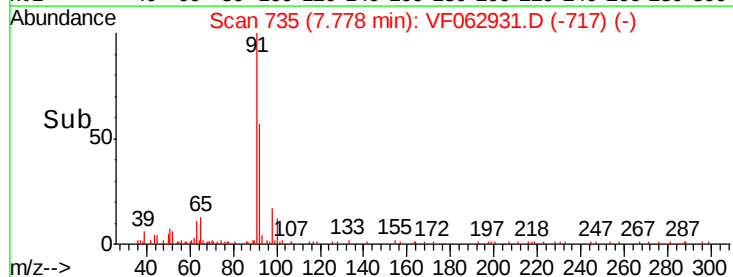
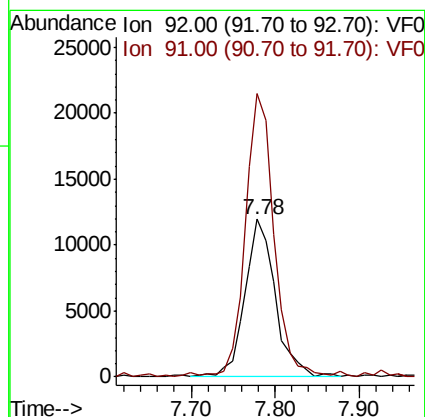
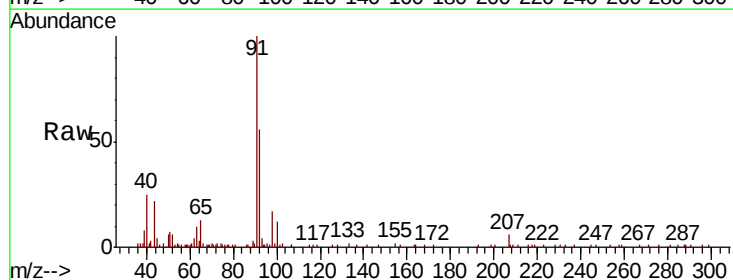
Acq: 12 Jun 2019 16:53

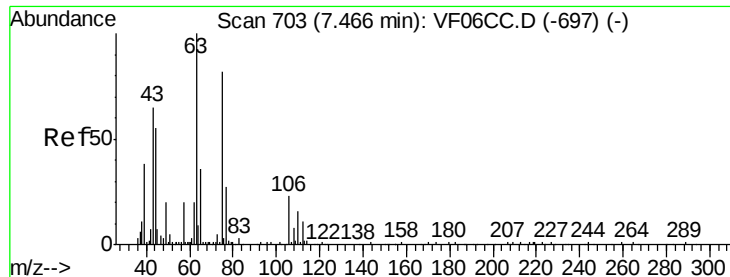
Tgt Ion: 92 Resp: 30254

Ion Ratio Lower Upper

92 100

91 179.7 123.2 184.8





#58

2-Chloroethyl Vinyl ether

Concen: 1.855 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

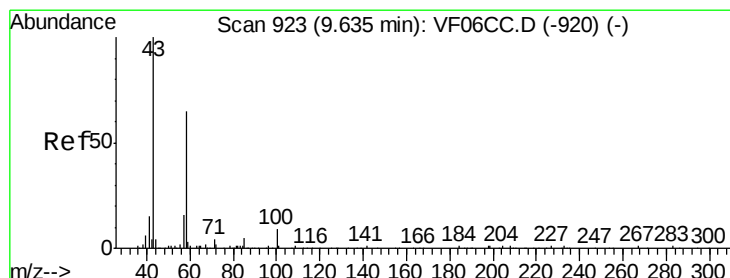
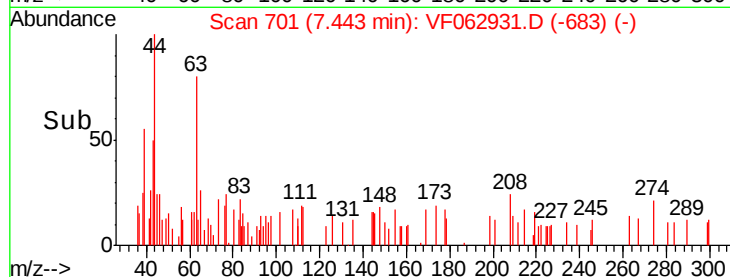
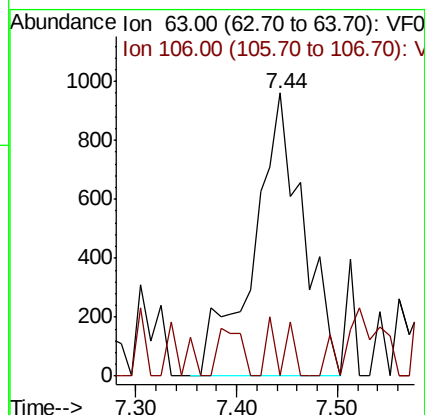
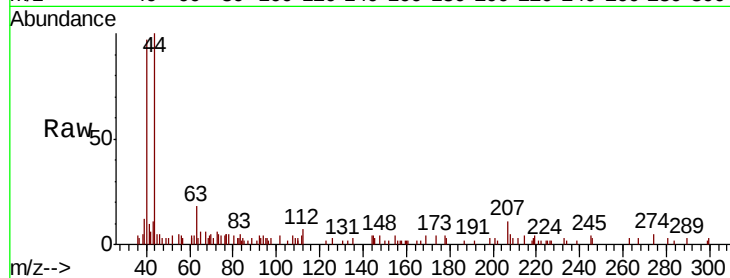
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 3285

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



#59

2-Hexanone

Concen: 13.122 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.01 min

Lab File: VF062931.D

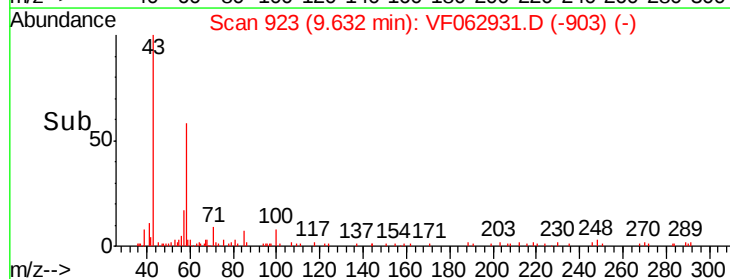
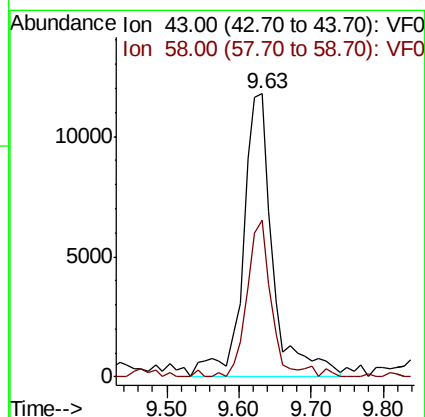
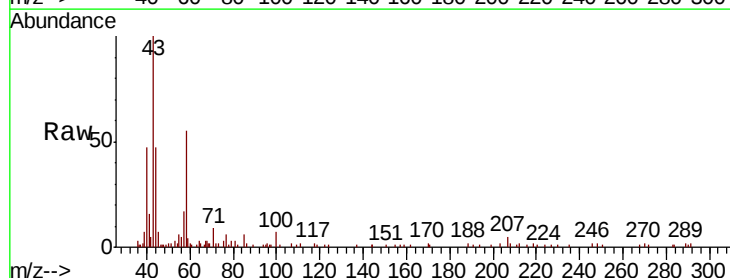
Acq: 12 Jun 2019 16:53

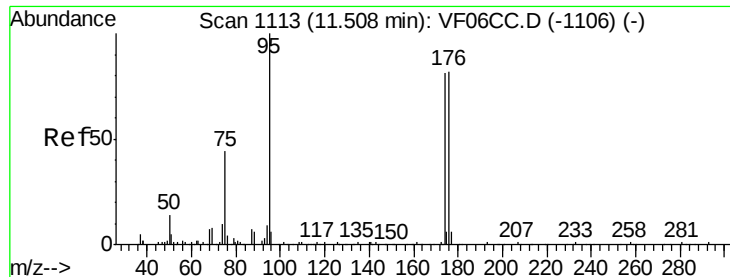
Tgt Ion: 43 Resp: 34009

Ion Ratio Lower Upper

43 100

58 55.4 29.3 87.9

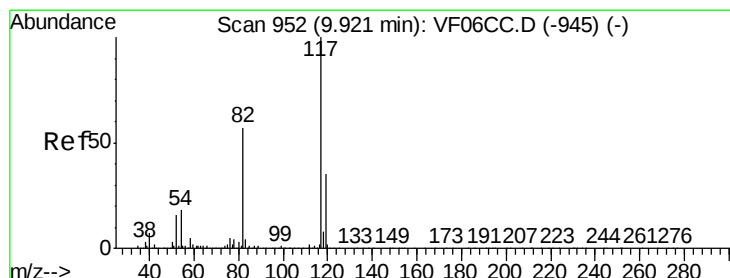
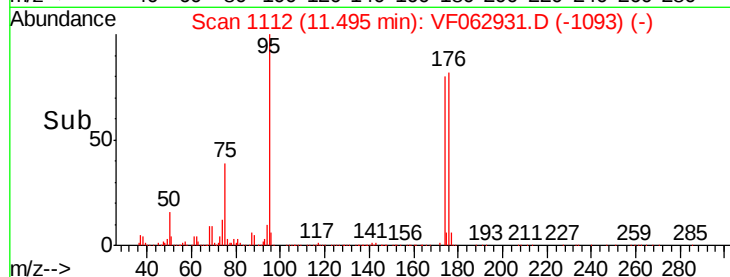
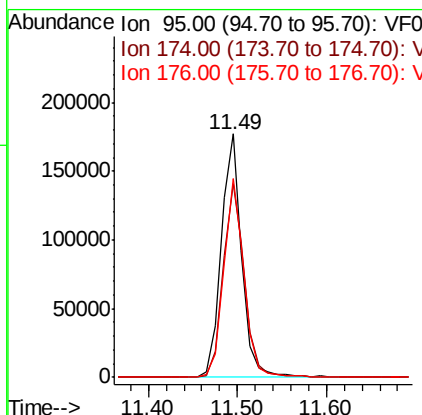
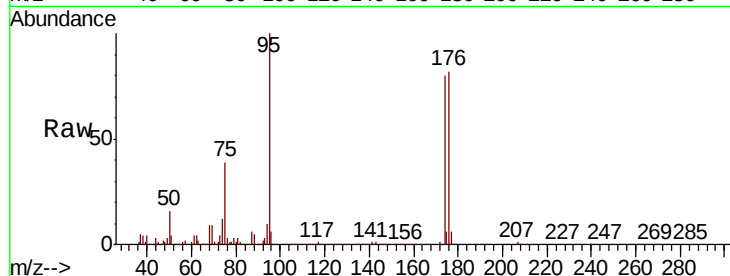




#62
4-Bromofluorobenzene
Concen: 37.989 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

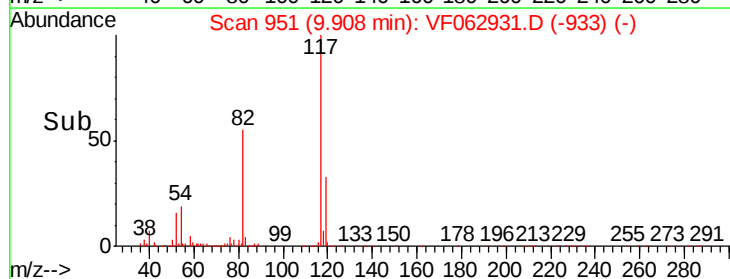
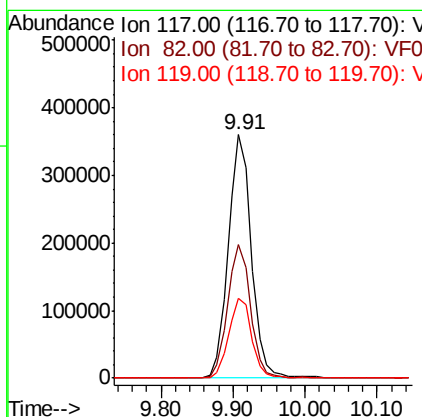
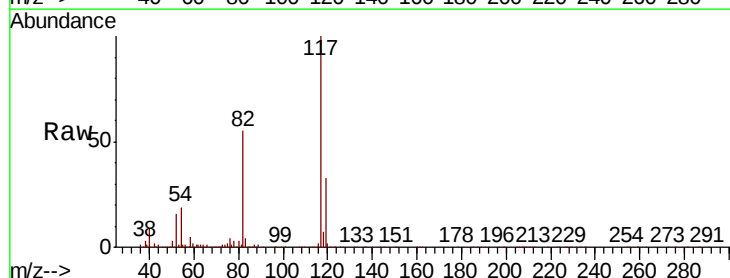
Instrument :
MSVOA_F
ClientSampleId :

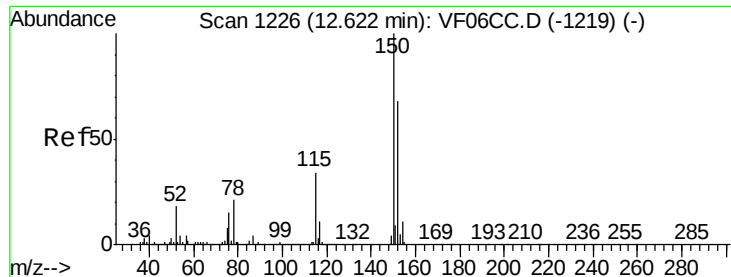
Tot Ion: 95 Resp: 286082
Ion Ratio Lower Upper
95 100
174 79.6 0.0 170.6
176 81.6 0.0 170.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062931.D
Acq: 12 Jun 2019 16:53

Tgt Ion: 117 Resp: 803863
Ion Ratio Lower Upper
117 100
82 54.8 42.4 63.6
119 33.0 27.1 40.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

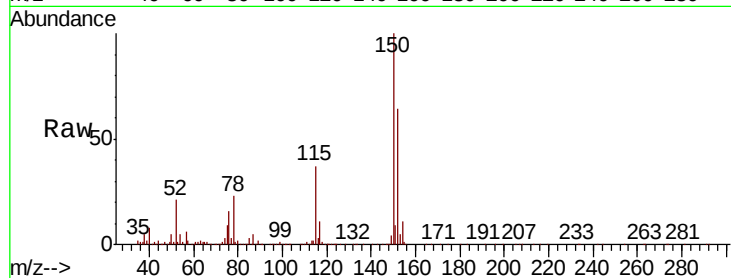
Tot Ion:152 Resp: 287268

Ion Ratio Lower Upper

152 100

115 58.1 24.6 74.0

150 155.5 0.0 290.6

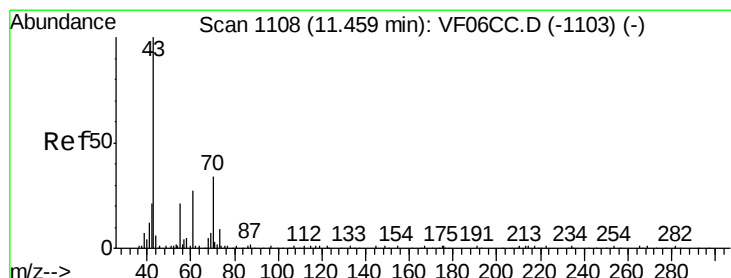
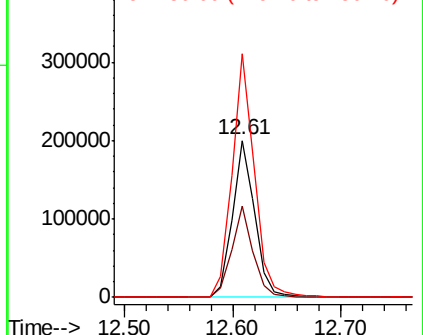
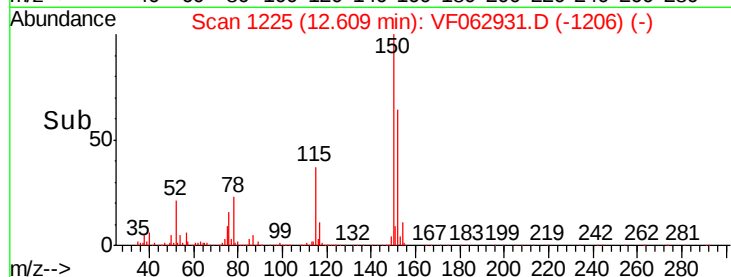


Abundance

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: 7.522 ug/l

RT: 11.53 min Scan# 1116

Delta R.T. 0.07 min

Lab File: VF062931.D

Acq: 12 Jun 2019 16:53

Tgt Ion: 43 Resp: 42495

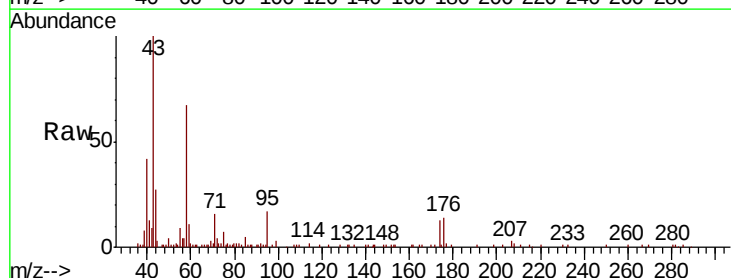
Ion Ratio Lower Upper

43 100

70 1.9 32.9 49.3#

55 8.9 17.3 25.9#

61 1.3 23.7 35.5#



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

