

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062321.D
 Acq On : 29 Apr 2019 19:10
 Operator : FY/SY
 Sample : K2194-01RE
 Misc : 6.98g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:49:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

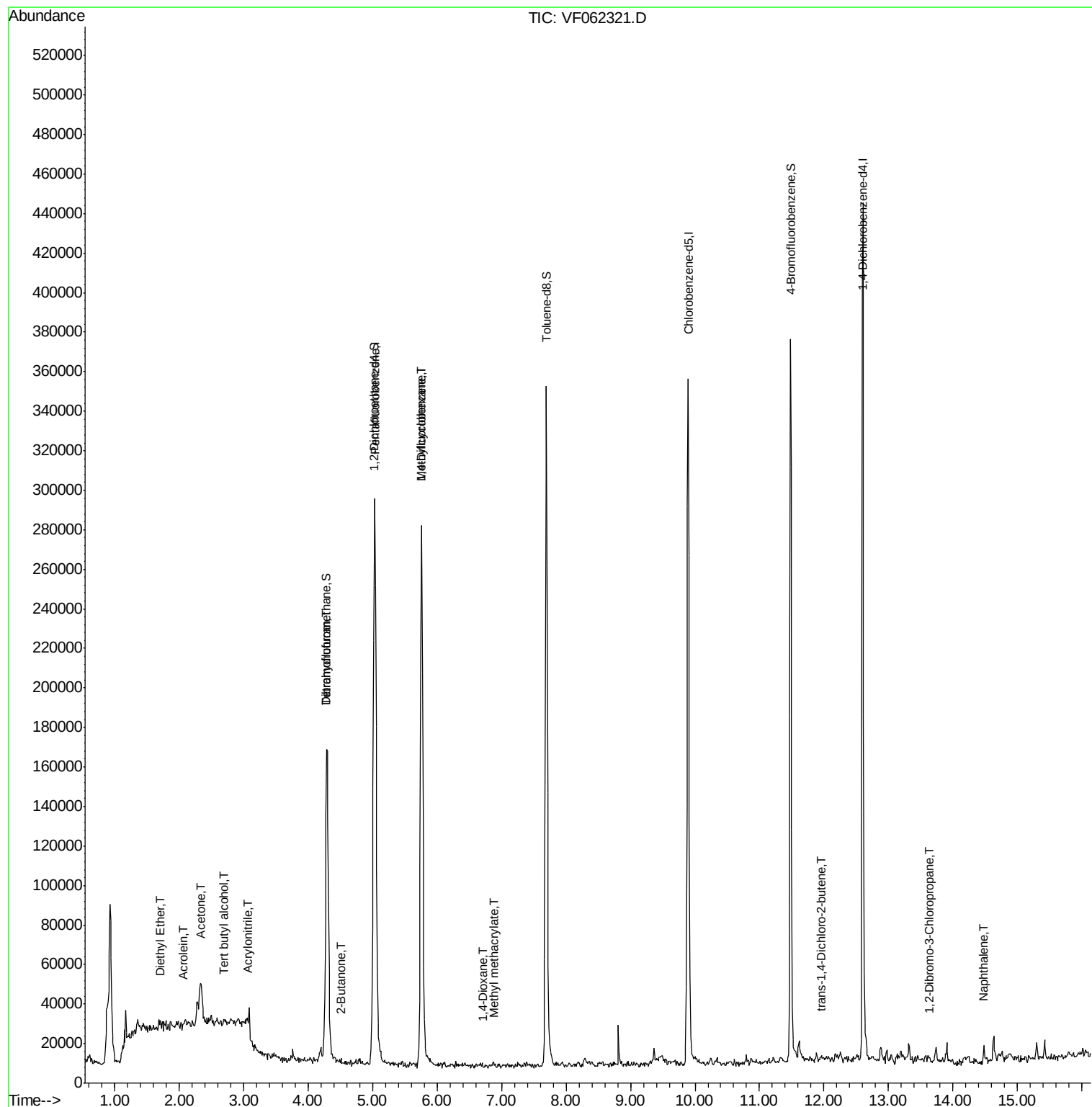
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	232172	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.75	114	330000	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.89	117	250739	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	125468	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	121639	64.68	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	129.36%	
35) Dibromofluoromethane	4.28	113	153930	62.91	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	125.82%	
50) Toluene-d8	7.70	98	291204	48.72	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.48	95	122451	49.71	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.42%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.70	74	1587	2.504	ug/l	77
11) Tert butyl alcohol	2.68	59	846	7.437	ug/l #	15
13) Acrolein	2.06	56	437	12.212	ug/l	91
15) Acrylonitrile	3.06	53	909	2.885	ug/l #	71
16) Acetone	2.33	43	14206	33.738	ug/l #	84
18) Methyl Acetate	2.51	43	1798	Below Cal	#	89
20) Methylene Chloride	2.33	84	8942	Below Cal	#	91
25) 2-Butanone	4.51	43	949	1.421	ug/l #	57
29) Tetrahydrofuran	4.28	42	1420	4.840	ug/l #	56
39) Methylcyclohexane	5.74	83	4596	1.293	ug/l #	43
48) Methyl methacrylate	6.87	41	2902	3.093	ug/l #	21
49) 1,4-Dioxane	6.72	88	103	9.532	ug/l #	24
59) 2-Hexanone	9.54	43	401	Below Cal	#	54
81) trans-1,4-Dichloro-2-buten	11.96	75	526	1.214	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.64	75	398	1.445	ug/l #	1
95) Naphthalene	14.48	128	5671	1.142	ug/l #	96

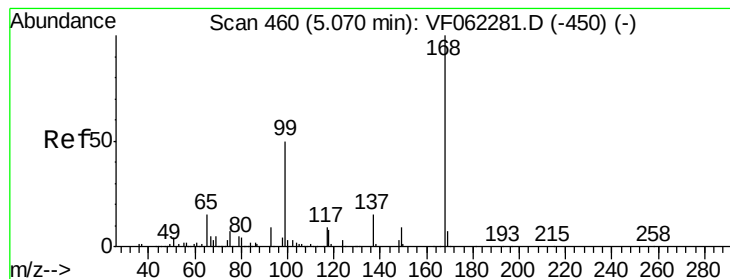
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
Data File : VF062321.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.04 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :

MSVOA_F

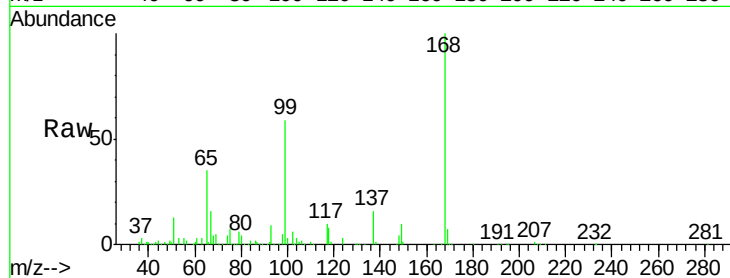
ClientSampleId :

Tot Ion:168 Resp: 232172

Ion Ratio Lower Upper

168 100

99 59.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

80000

60000

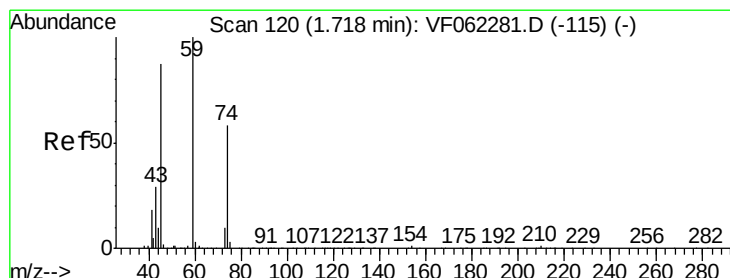
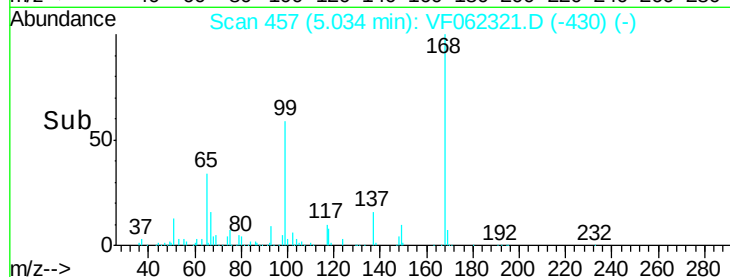
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#8

Diethyl Ether

Concen: 2.504 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF062321.D

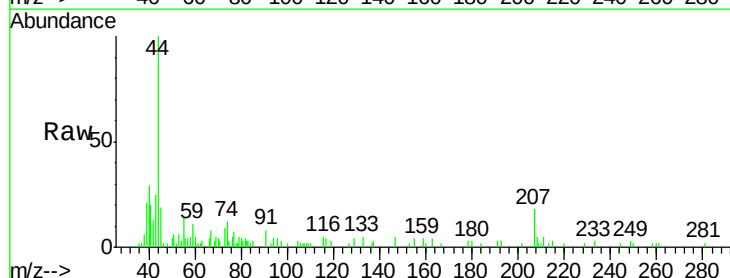
Acq: 29 Apr 2019 19:10

Tgt Ion: 74 Resp: 1587

Ion Ratio Lower Upper

74 100

45 119.0 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.70

1200

1000

800

600

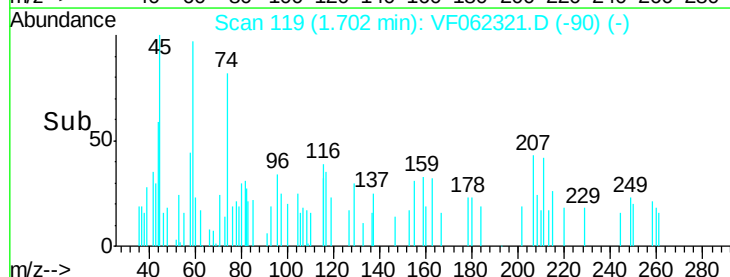
400

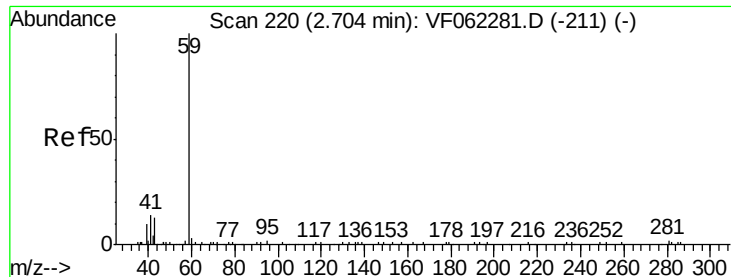
200

0

Time-->

1.60 1.65 1.70 1.75 1.80



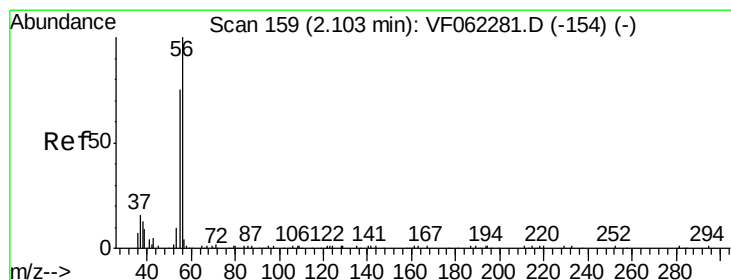
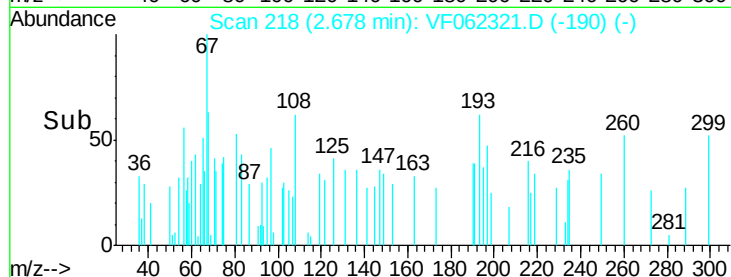
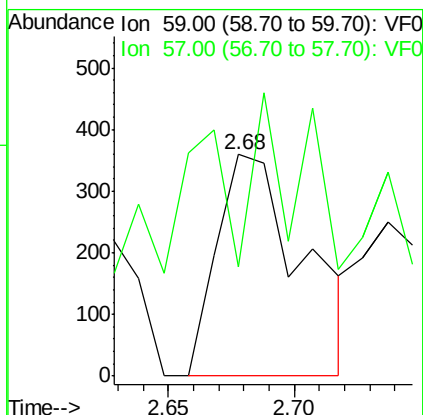
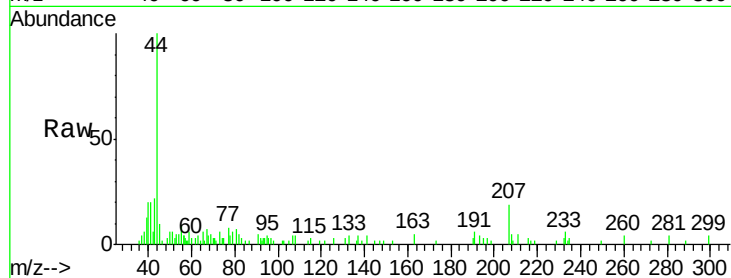


#11

Tert butyl alcohol
Concen: 7.437 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.03 min
Lab File: VF062321.D
Acq: 29 Apr 2019 19:10

Instrument :
MSVOA_F
ClientSampled :

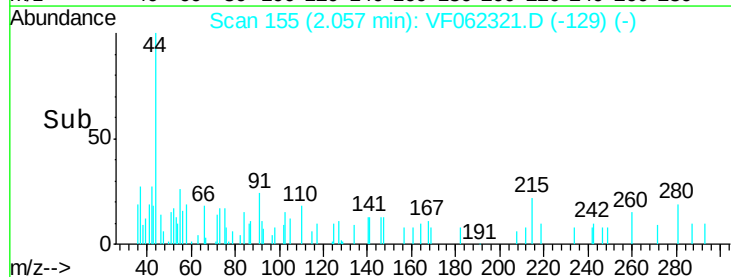
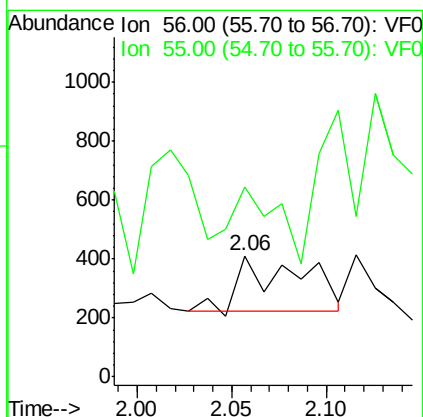
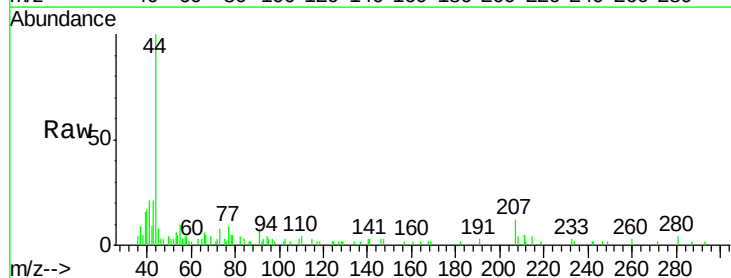
Tot Ion: 59 Resp: 846
Ion Ratio Lower Upper
59 100
57 43.4 8.8 13.2#

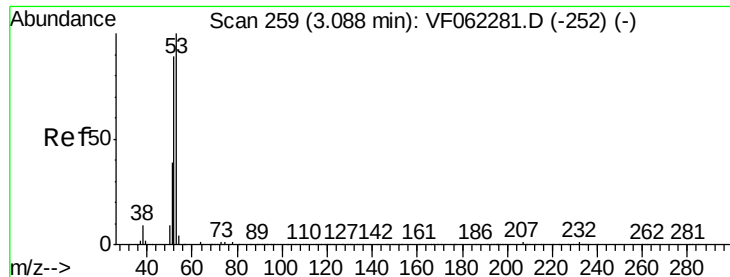


#13

Acrolein
Concen: 12.212 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062321.D
Acq: 29 Apr 2019 19:10

Tgt Ion: 56 Resp: 437
Ion Ratio Lower Upper
56 100
55 85.6 62.3 93.5





#15

Acrylonitrile

Concen: 2.885 ug/l

RT: 3.06 min Scan# 257

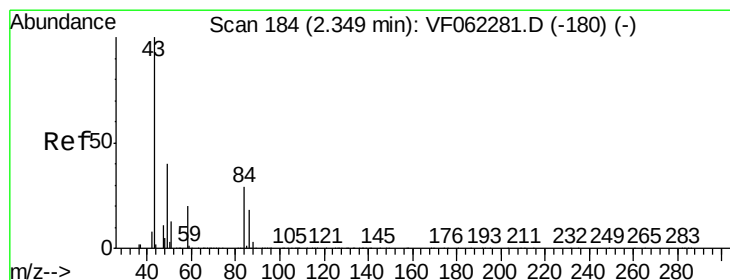
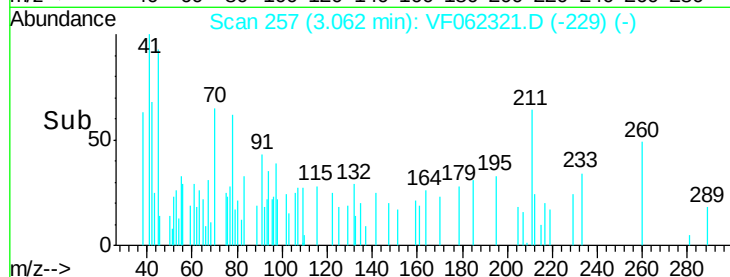
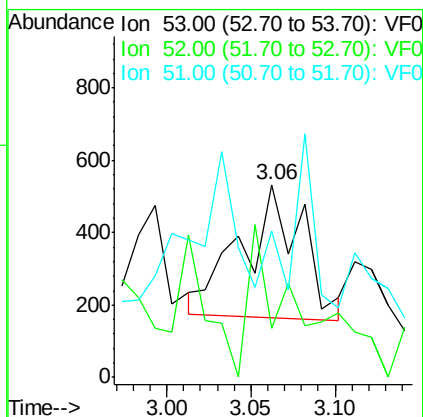
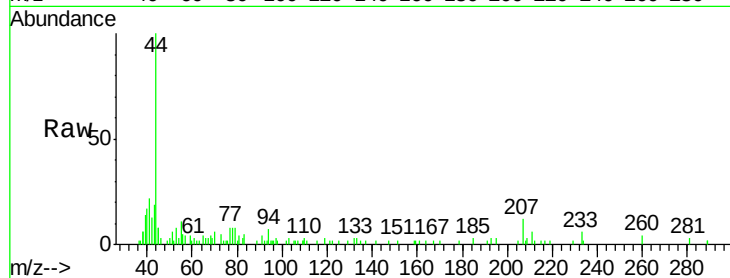
Delta R.T. -0.03 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	909
Ion	Ratio	Lower	Upper
53	100		
52	99.3	70.6	105.8
51	0.0	32.6	48.8#



#16

Acetone

Concen: 33.738 ug/l

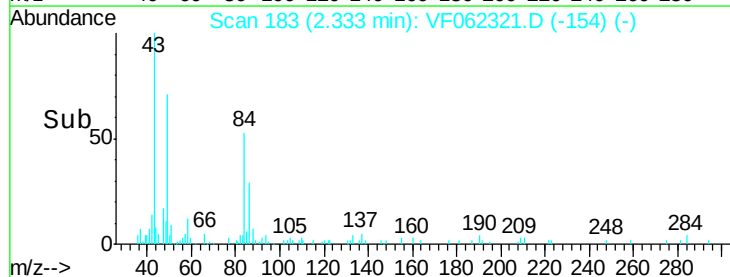
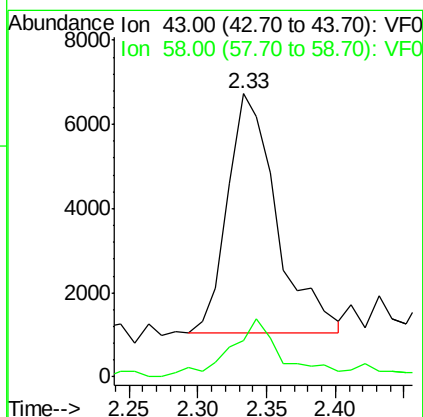
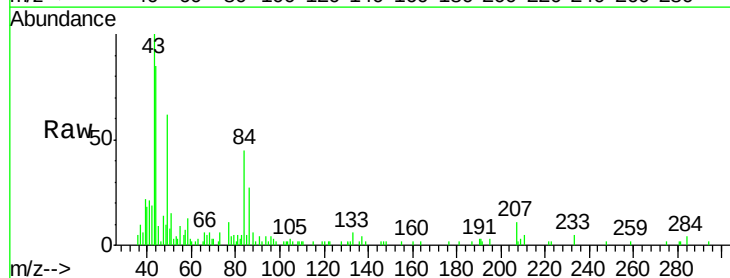
RT: 2.33 min Scan# 183

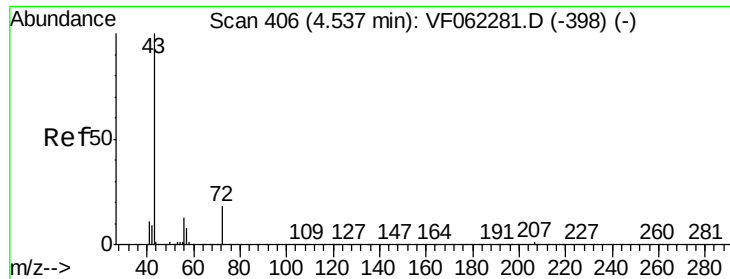
Delta R.T. -0.02 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Tgt Ion:	43	Resp:	14206
Ion	Ratio	Lower	Upper
43	100		
58	13.0	16.4	24.6#





#25

2-Butanone

Concen: 1.421 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :

MSVOA_F

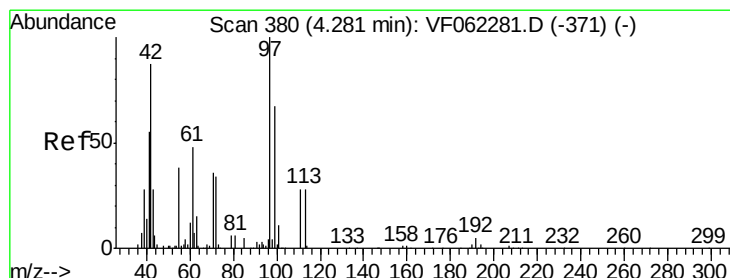
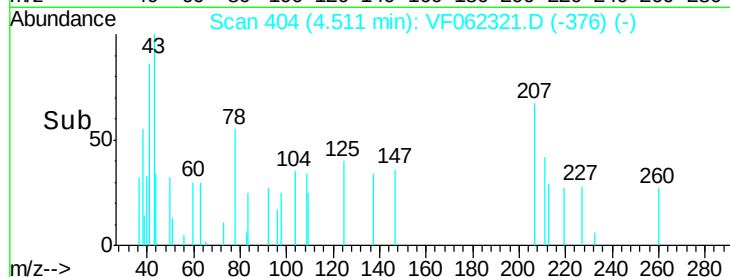
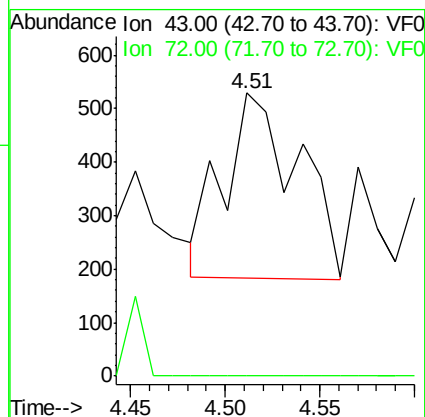
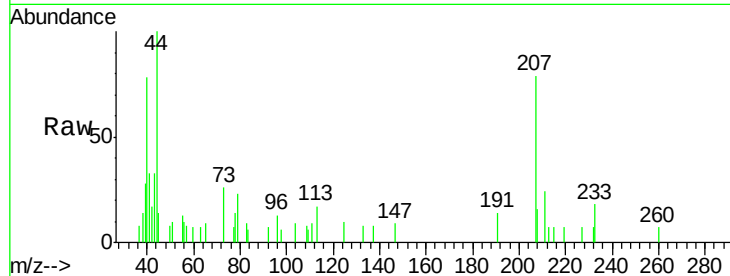
ClientSampleId :

Tot Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 4.840 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

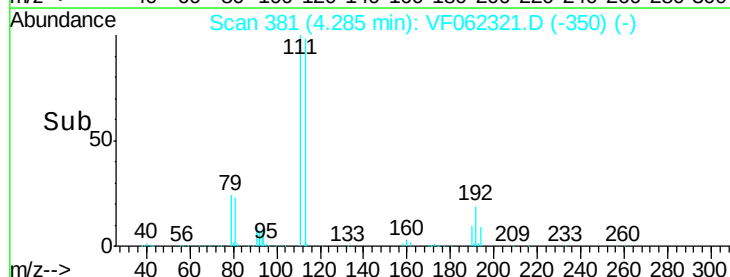
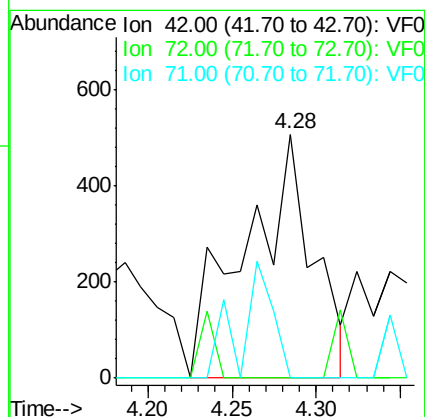
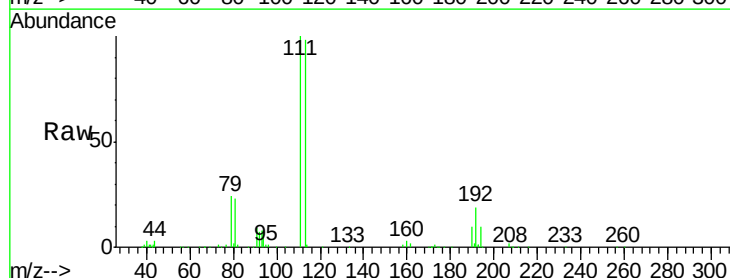
Tgt Ion: 42 Resp: 1420

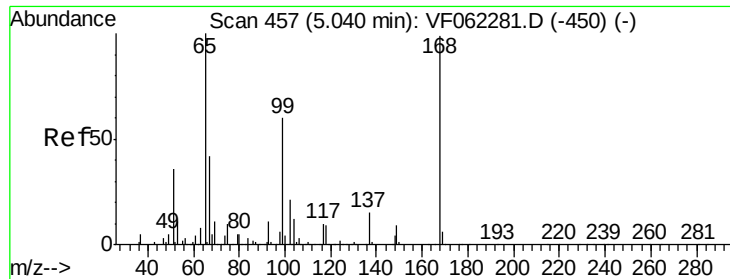
Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 22.7 31.2 46.8#

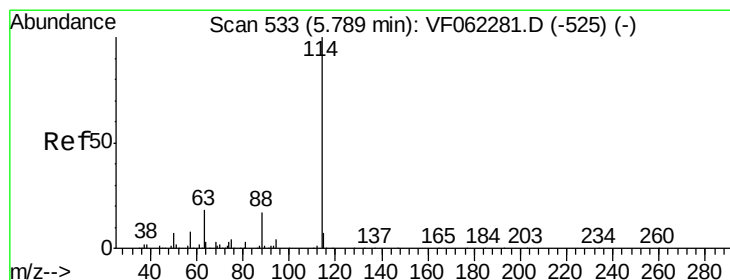
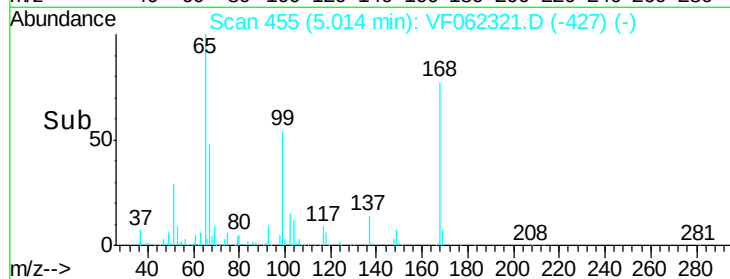
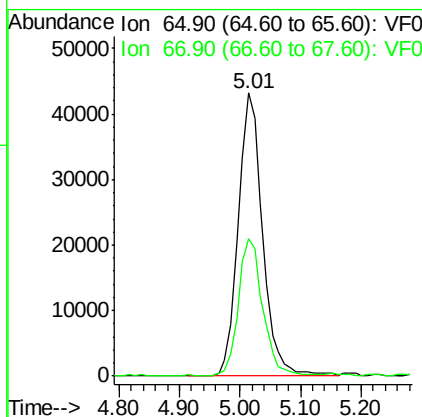
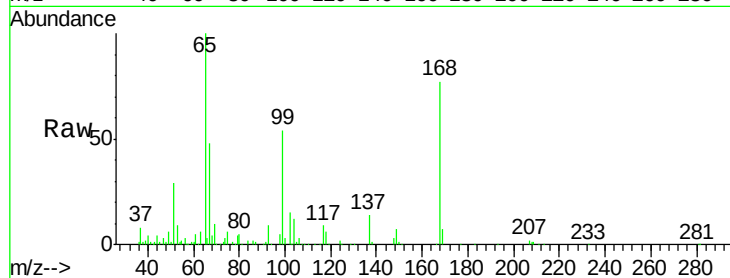




#33
 1,2-Dichloroethane-d4
 Concen: 64.680 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

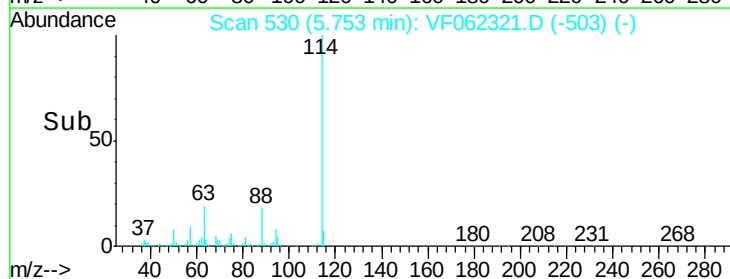
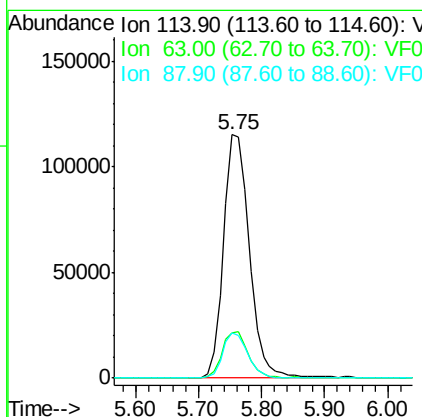
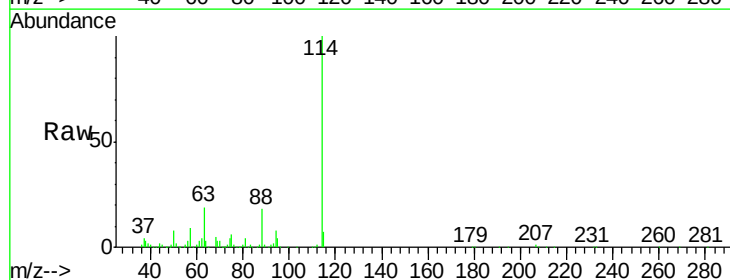
Instrument :
 MSVOA_F
 ClientSampled :

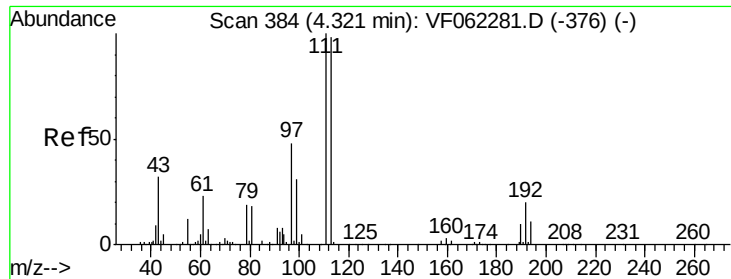
Tot Ion: 65 Resp: 121639
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.04 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

Tgt Ion: 114 Resp: 330000
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 35.6
 88 18.4 0.0 34.6

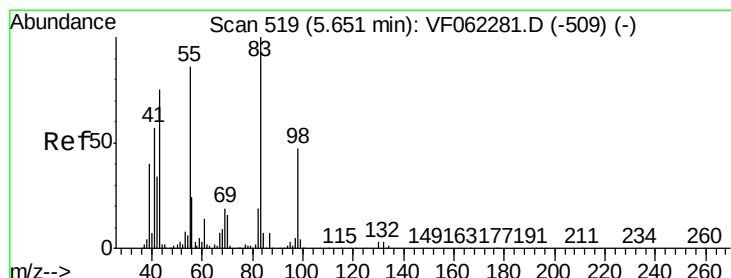
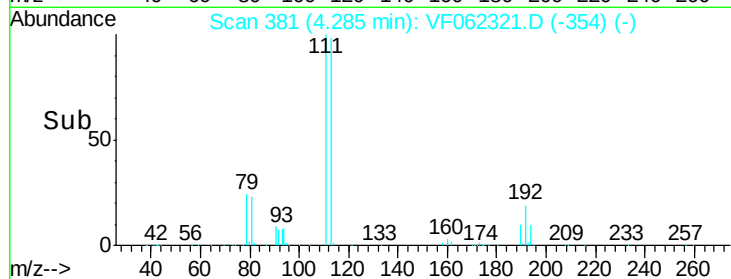
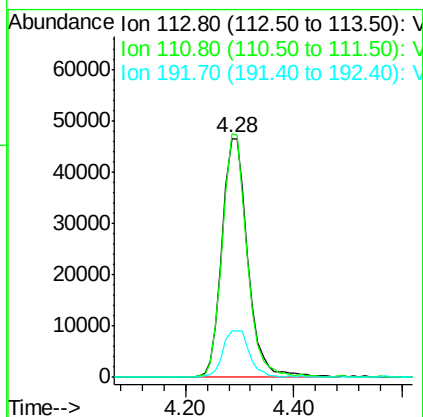
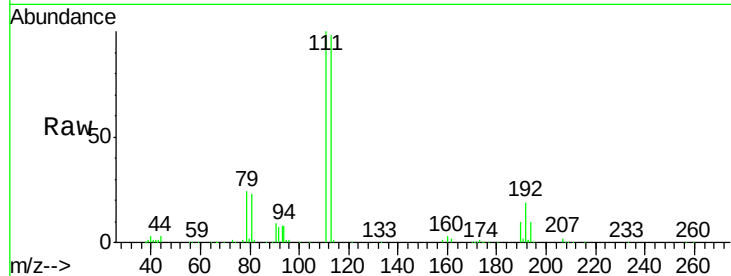




#35
 Dibromofluoromethane
 Concen: 62.911 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.04 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

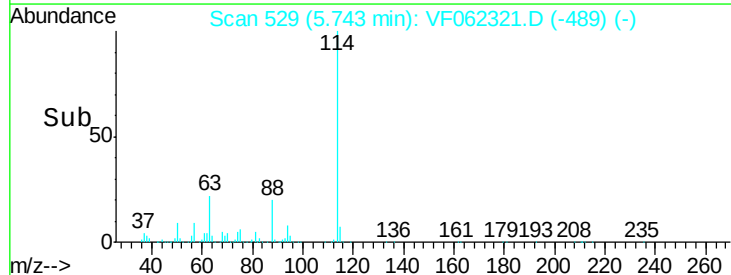
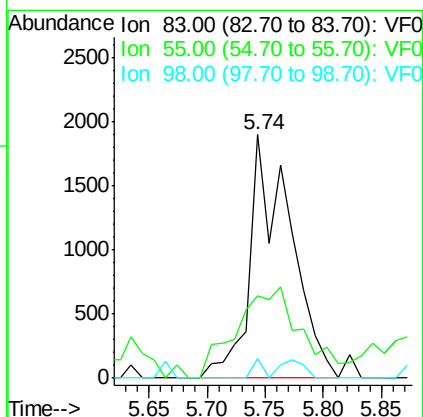
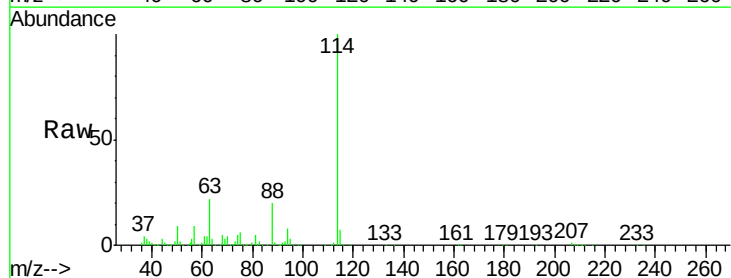
Instrument :
 MSVOA_F
 ClientSampleId :

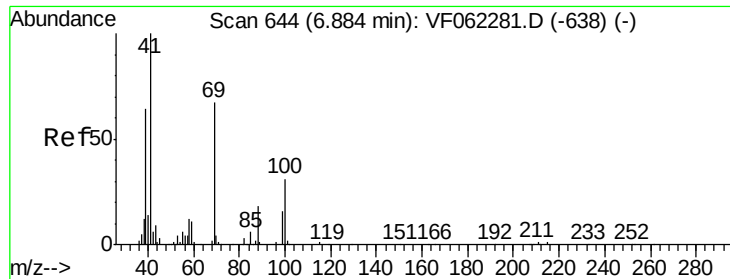
Tot Ion:113 Resp: 153930
 Ion Ratio Lower Upper
 113 100
 111 97.8 81.4 122.2
 192 20.2 17.0 25.4



#39
 Methylcyclohexane
 Concen: 1.293 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. 0.09 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

Tgt Ion: 83 Resp: 4596
 Ion Ratio Lower Upper
 83 100
 55 33.7 68.7 103.1#
 98 8.3 37.4 56.2#

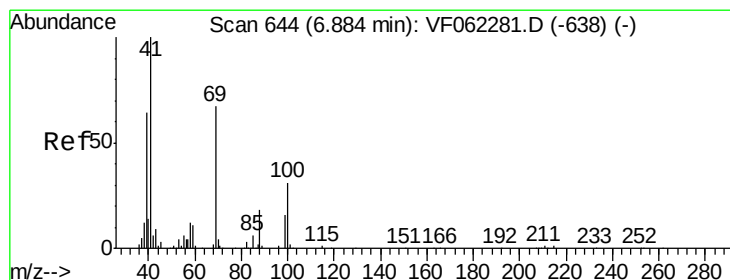
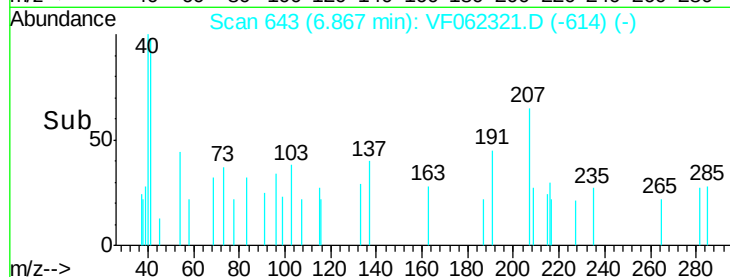
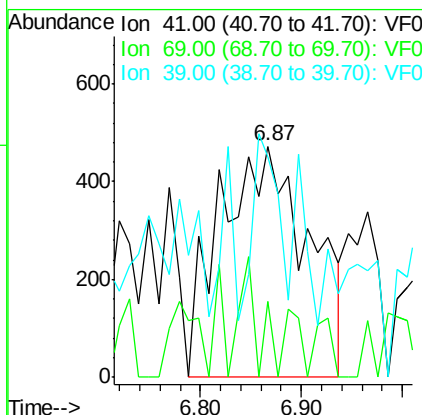
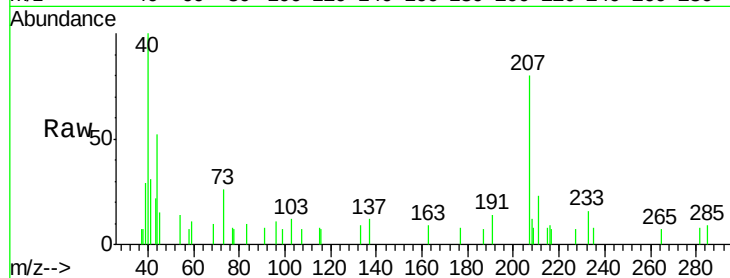




#48
Methvl methacrylate
Concen: 3.093 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062321.D
Acq: 29 Apr 2019 19:10

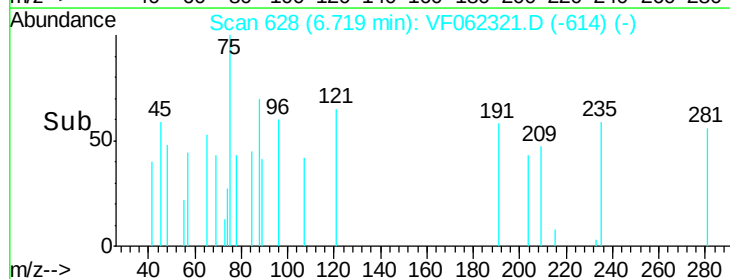
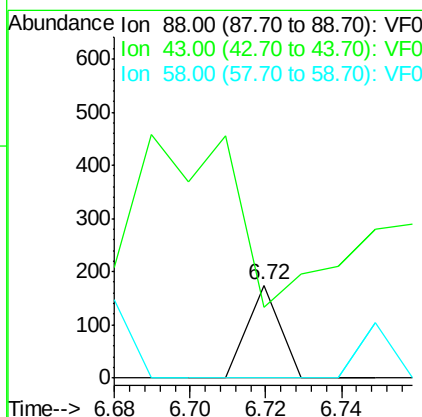
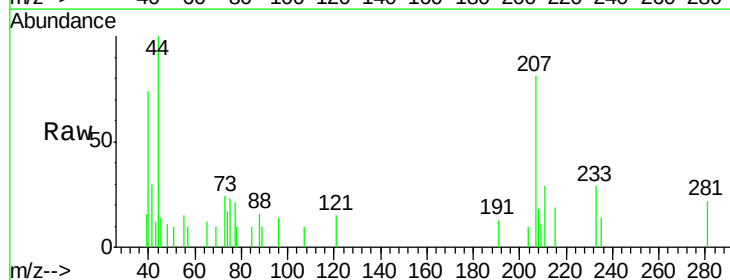
Instrument :
MSVOA_F
ClientSampleId :

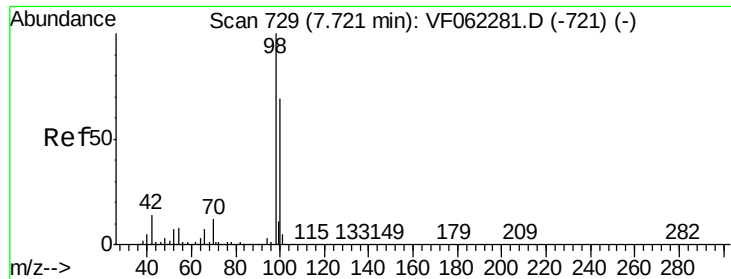
Tot Ion: 41 Resp: 2902
Ion Ratio Lower Upper
41 100
69 5.3 53.4 80.2#
39 0.0 50.9 76.3#



#49
1,4-Dioxane
Concen: 9.532 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.16 min
Lab File: VF062321.D
Acq: 29 Apr 2019 19:10

Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.4#
58 0.0 50.7 76.1#





#50

Toluene-d8

Concen: 48.724 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :

MSVOA_F

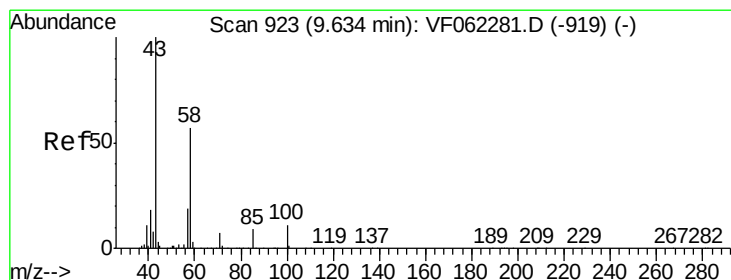
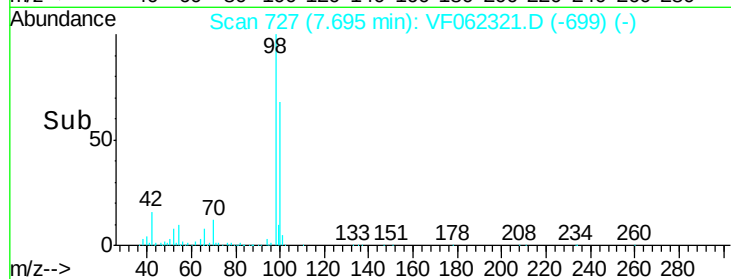
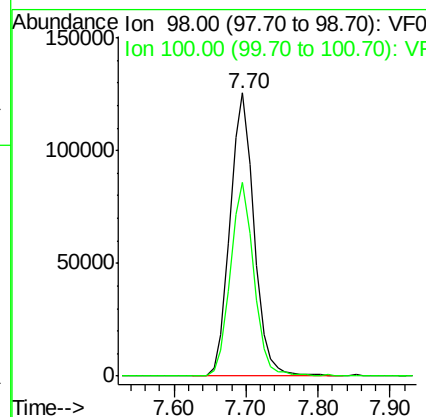
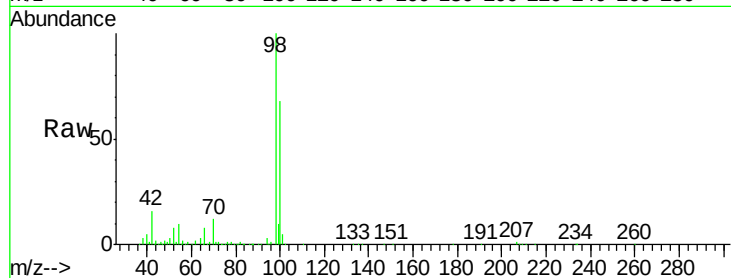
ClientSampled :

Tot Ion: 98 Resp: 291204

Ion Ratio Lower Upper

98 100

100 66.9 54.4 81.6



#59

2-Hexanone

Concen: Below Cal

RT: 9.54 min Scan# 914

Delta R.T. -0.09 min

Lab File: VF062321.D

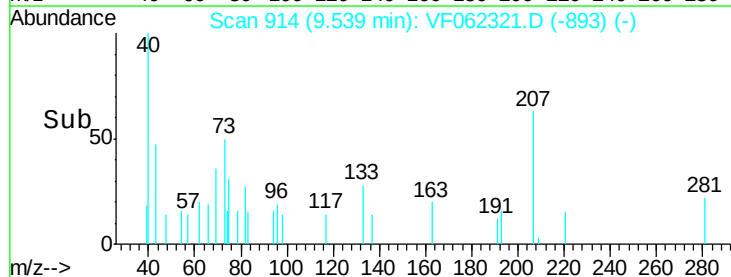
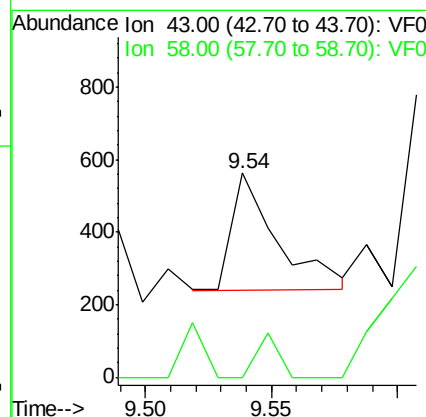
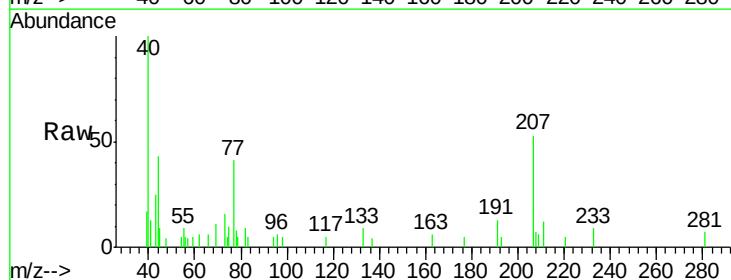
Acq: 29 Apr 2019 19:10

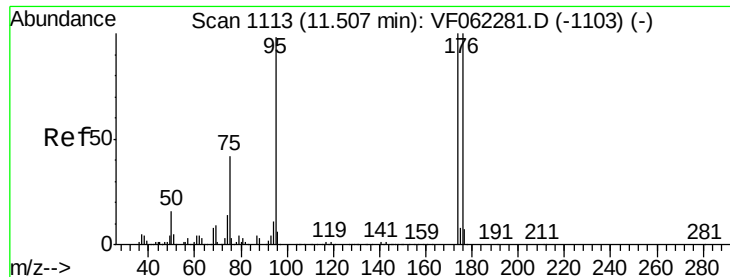
Tgt Ion: 43 Resp: 401

Ion Ratio Lower Upper

43 100

58 18.0 24.9 74.7#





#62

4-Bromofluorobenzene

Concen: 49.707 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

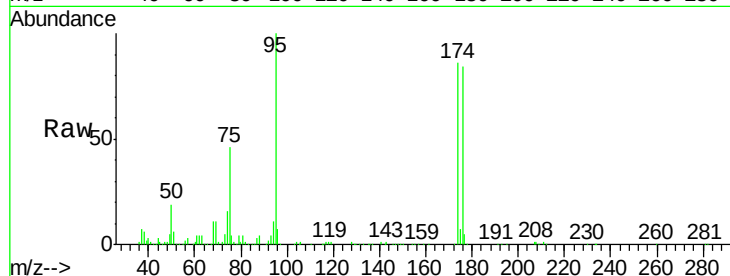
Tot Ion: 95 Resp: 122451

Ion Ratio Lower Upper

95 100

174 95.4 0.0 185.2

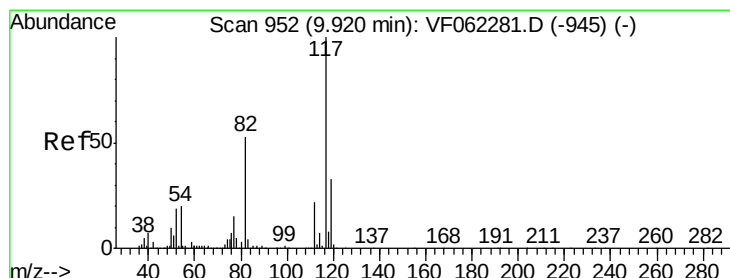
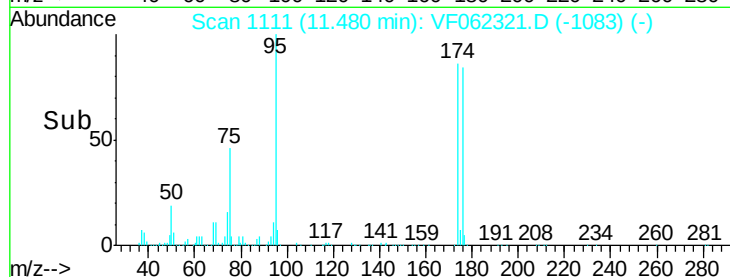
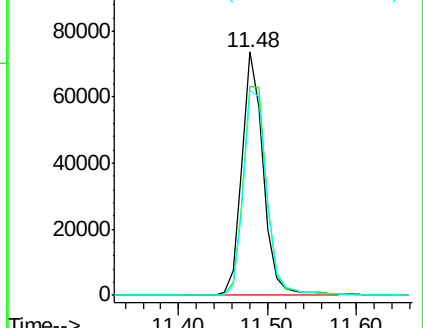
176 92.6 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.89 min Scan# 950

Delta R.T. -0.03 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

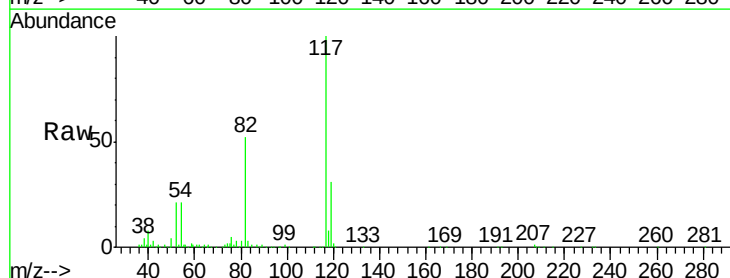
Tgt Ion: 117 Resp: 250739

Ion Ratio Lower Upper

117 100

82 51.4 42.6 64.0

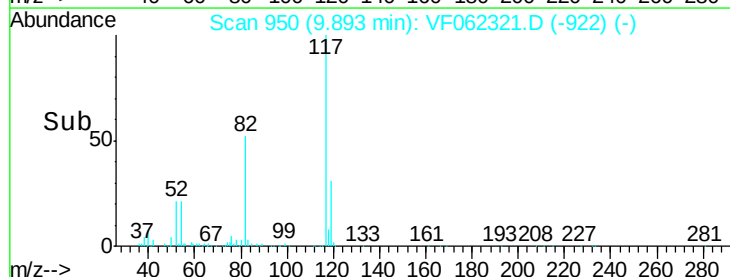
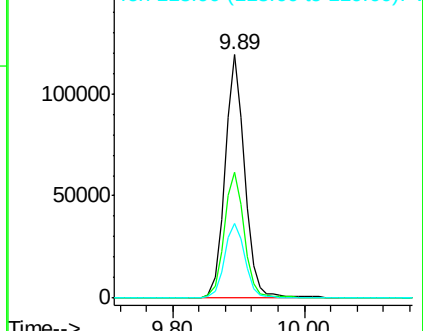
119 30.7 26.1 39.1

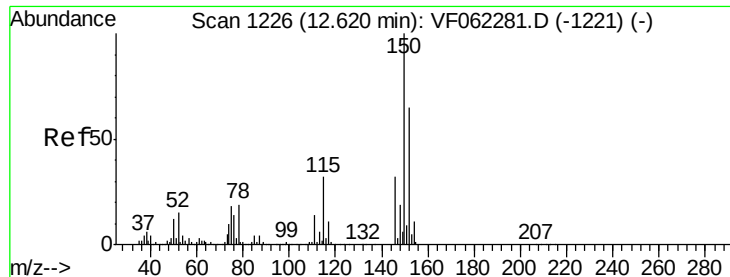


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

Instrument :

MSVOA_F

ClientSampleId :

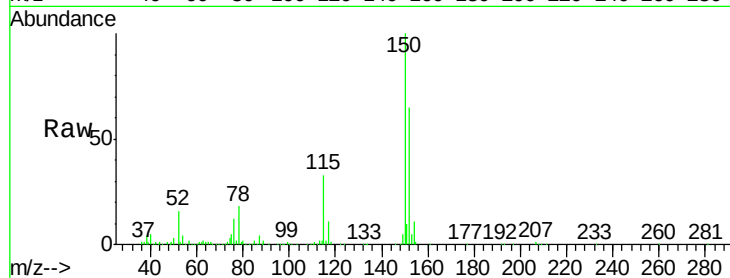
Tot Ion:152 Resp: 125468

Ion Ratio Lower Upper

152 100

115 54.8 25.6 76.8

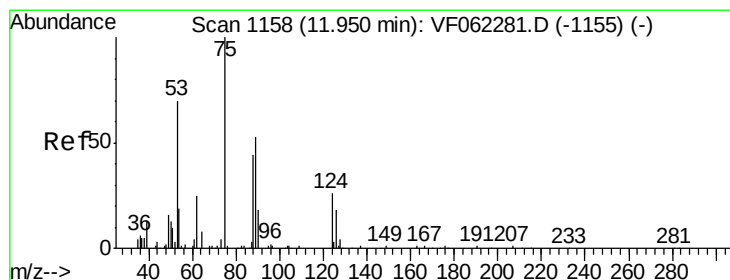
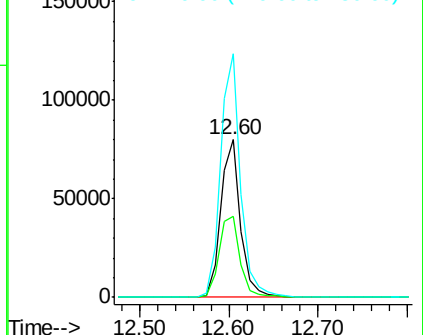
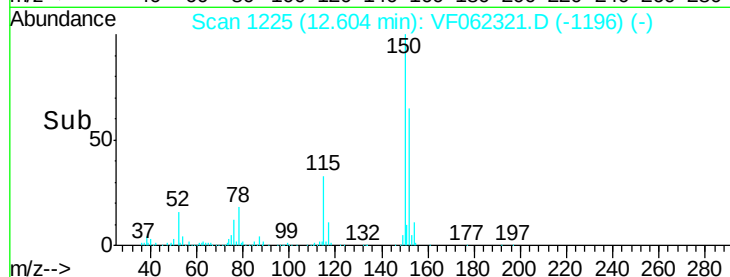
150 154.6 0.0 330.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.214 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062321.D

Acq: 29 Apr 2019 19:10

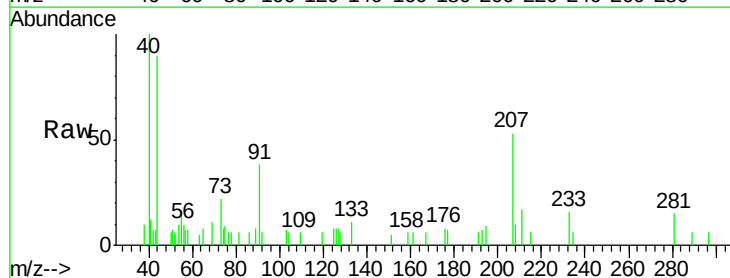
Tgt Ion: 75 Resp: 526

Ion Ratio Lower Upper

75 100

53 0.0 67.1 100.7#

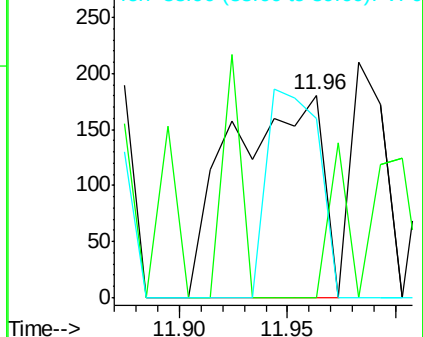
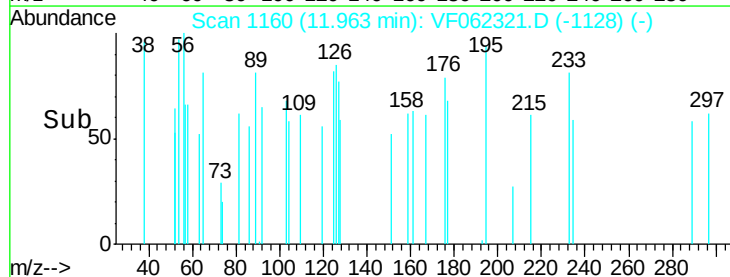
89 58.9 0.0 0.0#

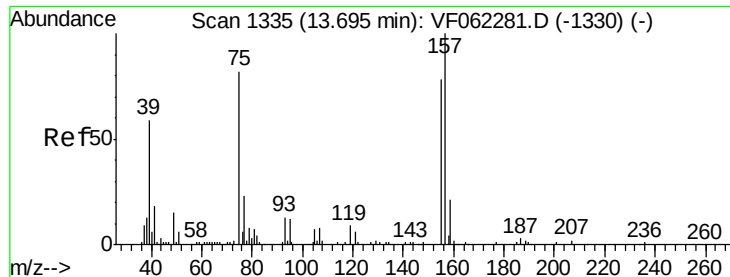


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0

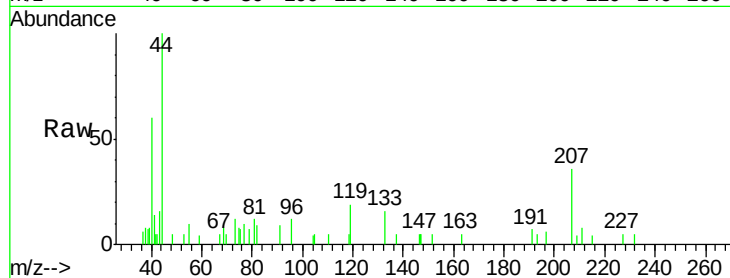




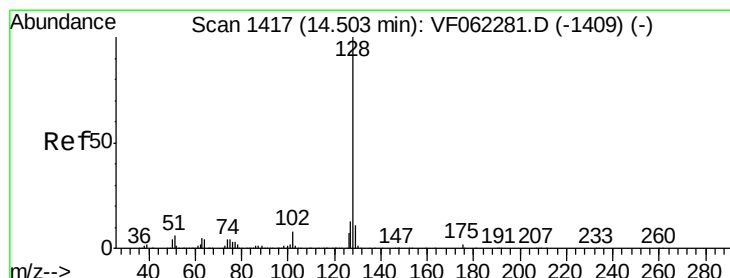
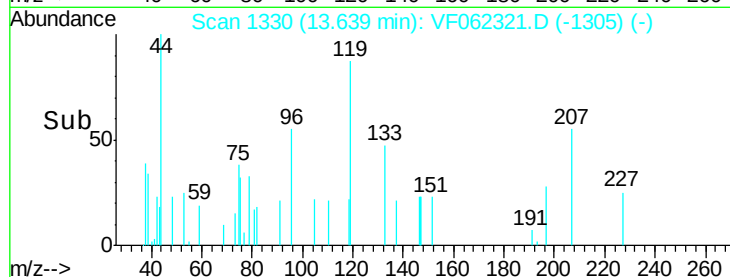
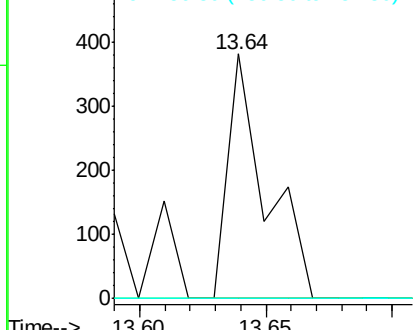
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.445 ug/l
 RT: 13.64 min Scan# 1330
 Delta R.T. -0.06 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 398
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.7 155.2#
 157 0.0 64.5 193.5#

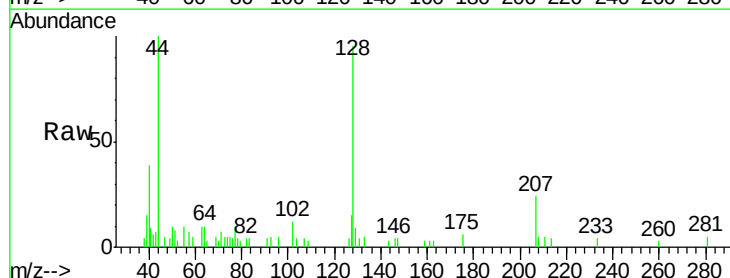


Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



#95
 Naphthalene
 Concen: 1.142 ug/l
 RT: 14.48 min Scan# 1415
 Delta R.T. -0.03 min
 Lab File: VF062321.D
 Acq: 29 Apr 2019 19:10

Tgt Ion: 128 Resp: 5671
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.2 15.4
 129 8.8 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

