

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062909.D
 Acq On : 10 Jun 2019 16:33
 Operator : FY/SY
 Sample : K3273-01RE
 Misc : 5.10g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 11 01:19:46 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	5.07	168	701288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1218316	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	899459	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	389584	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	239584	49.40	ug/l	-0.01
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	4.32	113	423479	46.00	ug/l	-0.01
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	7.72	98	880404	37.82	ug/l	-0.01
Spiked Amount			Recovery	=	75.64%	
62) 4-Bromofluorobenzene	11.50	95	337137	40.26	ug/l	-0.01
Spiked Amount			Recovery	=	80.52%	

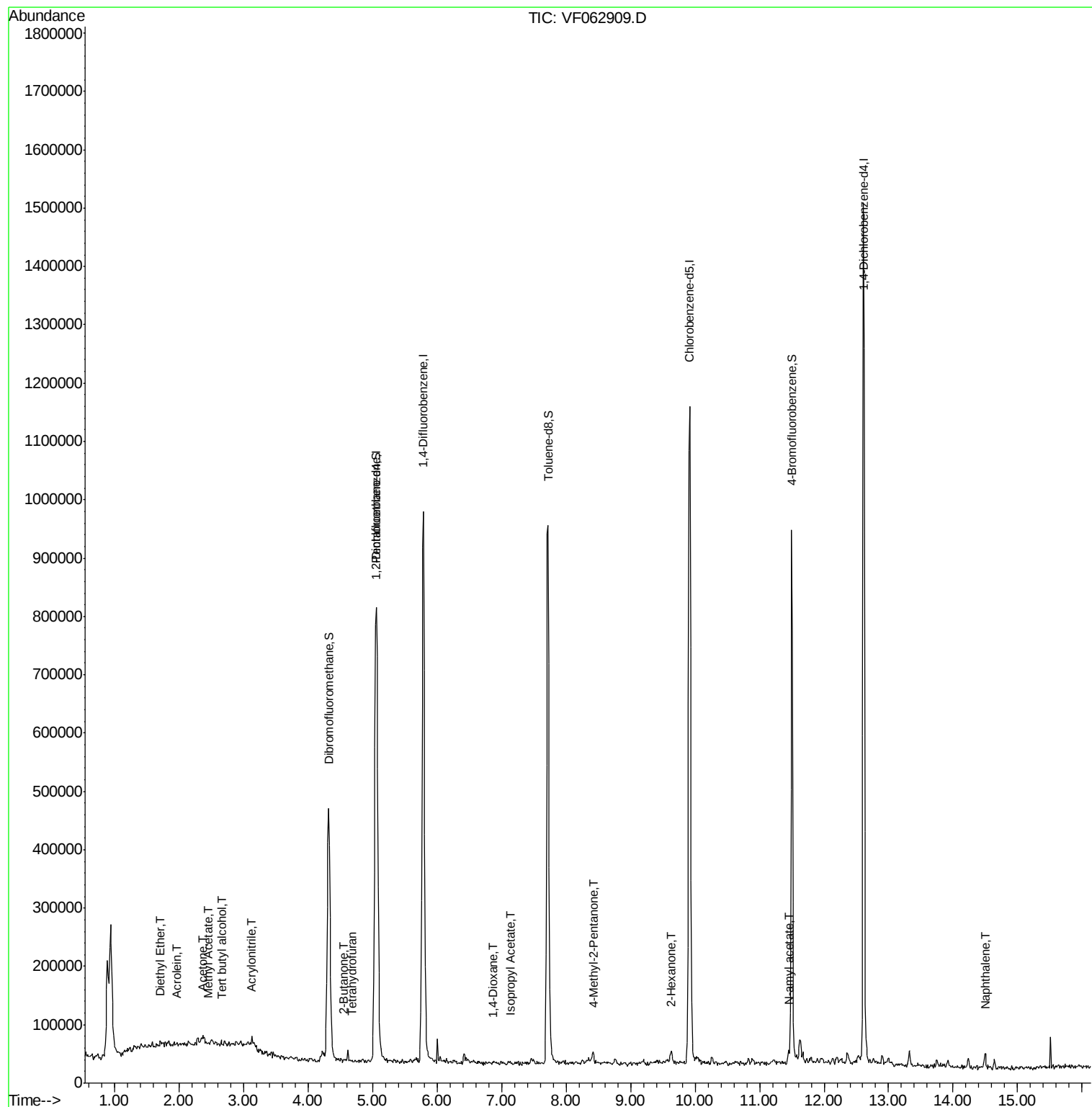
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	3696	Below Cal		97
8) Diethyl Ether	1.71	74	2590	1.290	ug/l	79
11) Tert butyl alcohol	2.68	59	961	3.271	ug/l #	1
13) Acrolein	1.96	56	1075	1.011	ug/l	87
15) Acrylonitrile	3.12	53	2612	2.366	ug/l #	50
16) Acetone	2.36	43	3757	3.385	ug/l #	85
18) Methyl Acetate	2.47	43	5764	2.972	ug/l #	61
20) Methylene Chloride	2.37	84	14296	Below Cal		95
25) 2-Butanone	4.56	43	4709	1.822	ug/l	92
29) Tetrahydrofuran	4.68	42	1058	1.070	ug/l	87
43) Isopropyl Acetate	7.13	43	7734	1.366	ug/l #	72
49) 1,4-Dioxane	6.86	88	533	13.854	ug/l #	20
51) 4-Methyl-2-Pentanone	8.42	43	19419	4.803	ug/l	98
59) 2-Hexanone	9.63	43	21916	7.604	ug/l	82
74) N-amyl acetate	11.46	43	18880	2.464	ug/l	92
95) Naphthalene	14.49	128	15896	1.335	ug/l	96

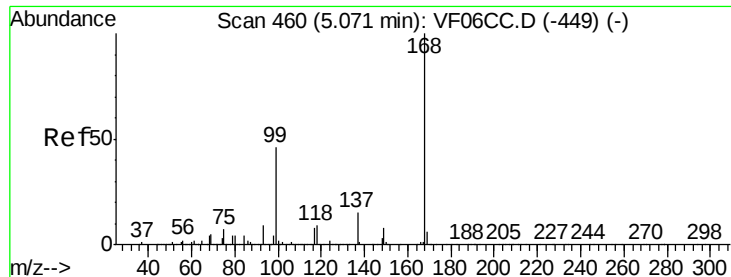
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061019\
Data File : VF062909.D
Acq On : 10 Jun 2019 16:33
Operator : FY/SY
Sample : K3273-01RE
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 11 01:19:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

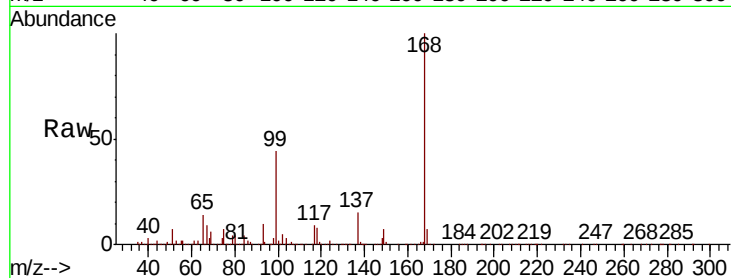
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 701288

Ion Ratio Lower Upper

168 100

99 44.0 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

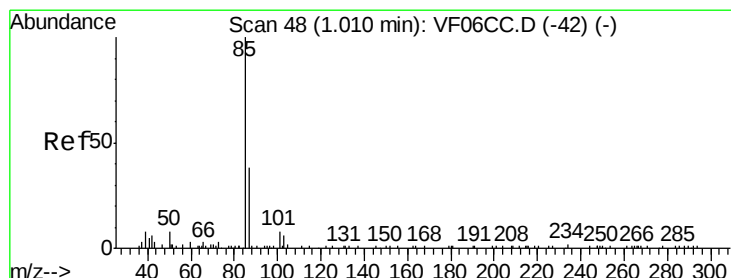
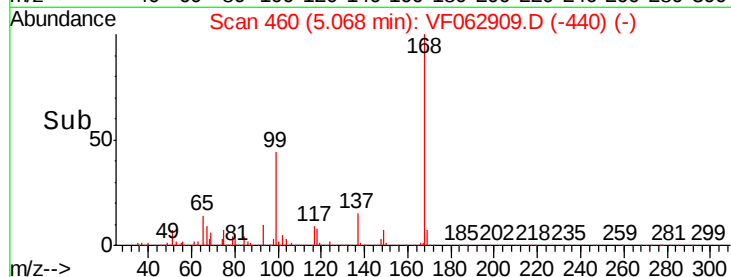
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062909.D

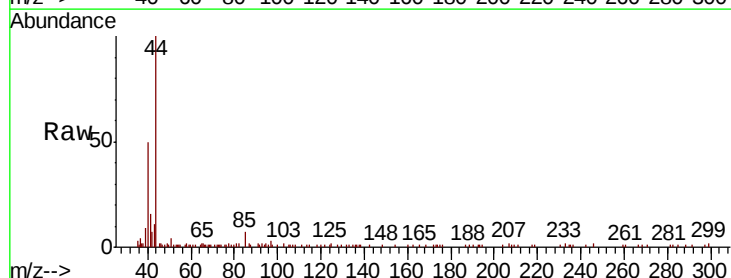
Acq: 10 Jun 2019 16:33

Tgt Ion: 85 Resp: 3696

Ion Ratio Lower Upper

85 100

87 36.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

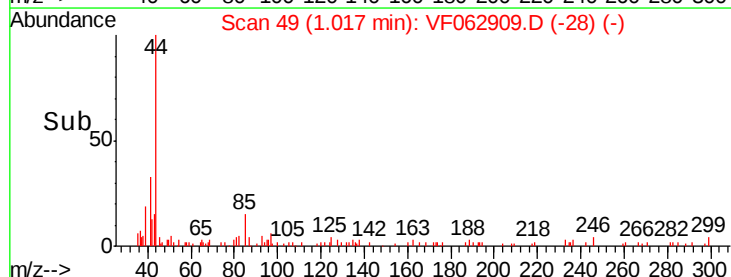
1.02

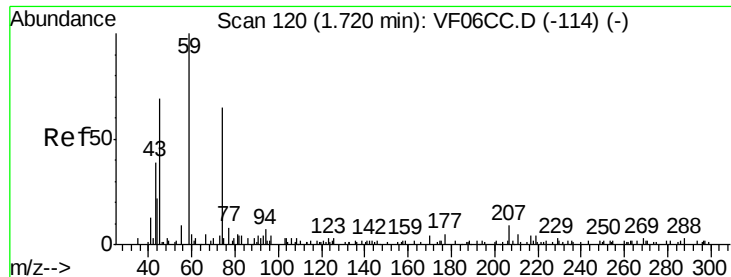
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.290 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

Instrument :

MSVOA_F

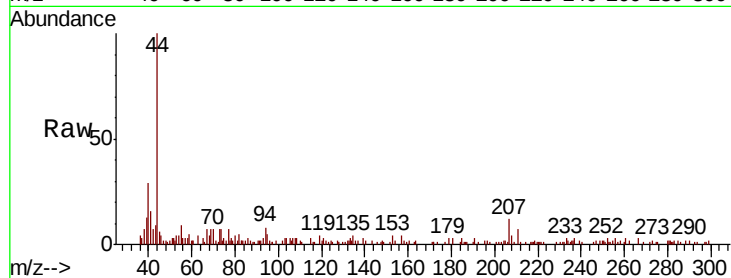
ClientSampleId :

Tot Ion: 74 Resp: 2590

Ion Ratio Lower Upper

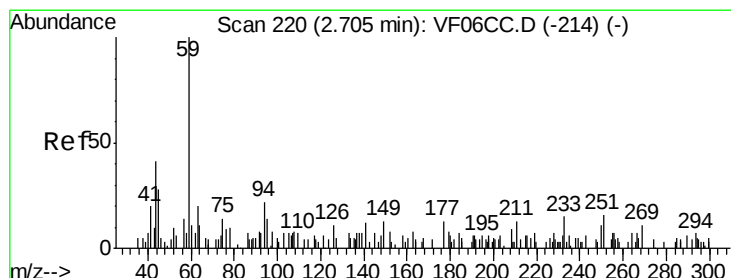
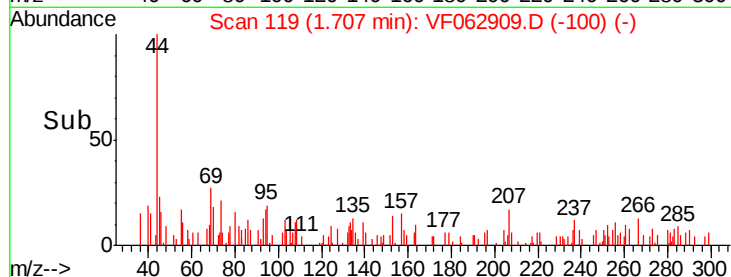
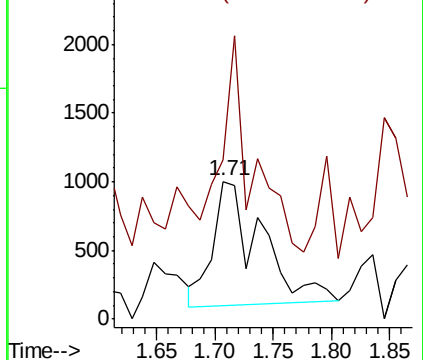
74 100

45 115.8 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 3.271 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF062909.D

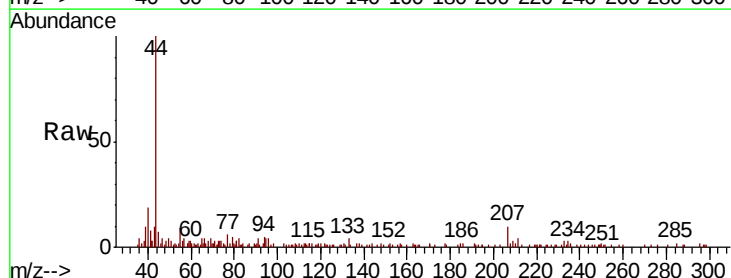
Acq: 10 Jun 2019 16:33

Tgt Ion: 59 Resp: 961

Ion Ratio Lower Upper

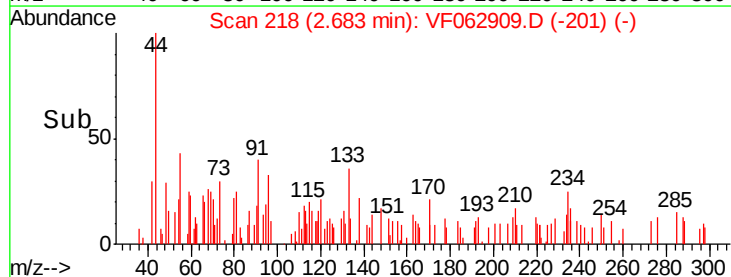
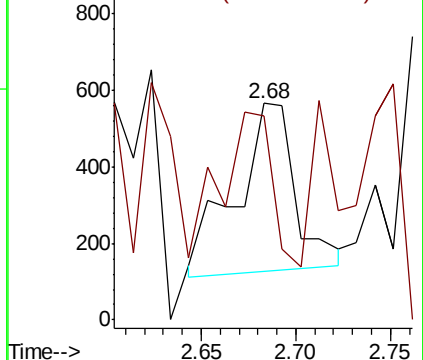
59 100

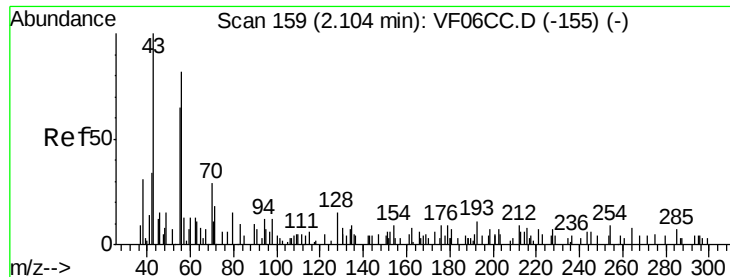
57 94.3 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 1.011 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.15 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

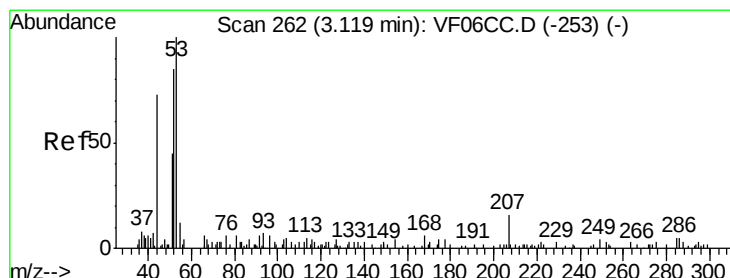
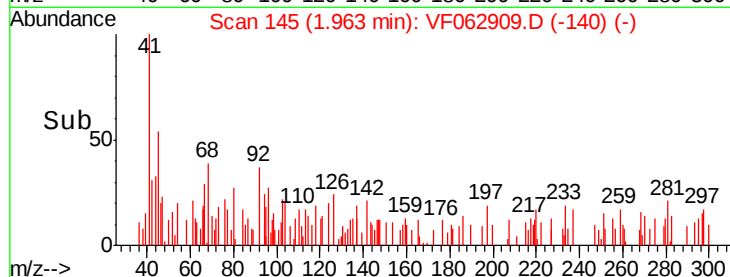
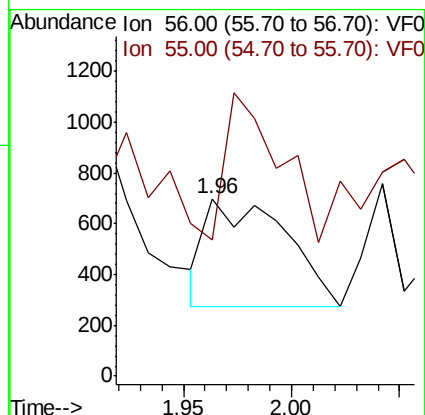
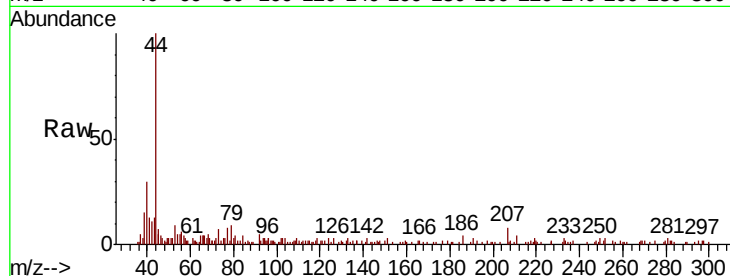
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1075

Ion Ratio Lower Upper

56 100

55 76.4 52.9 79.3



#15

Acrylonitrile

Concen: 2.366 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

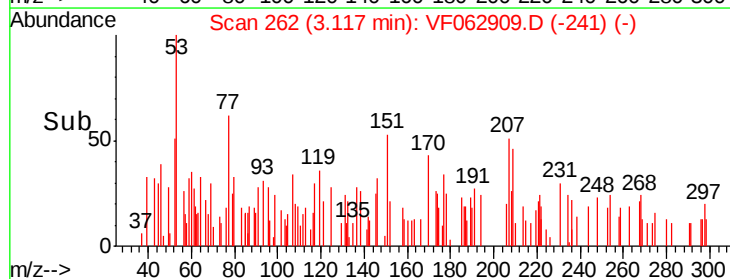
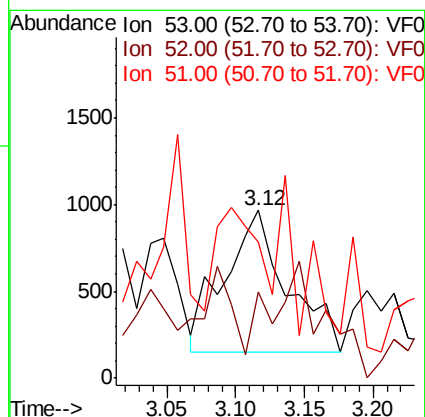
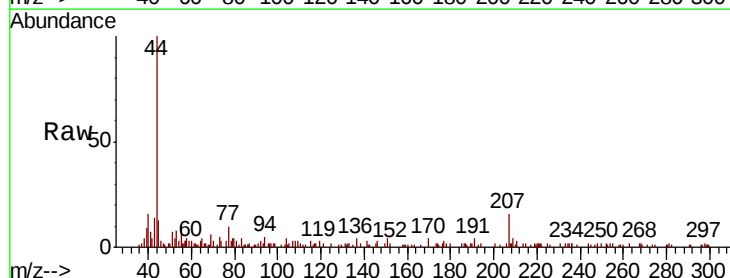
Tgt Ion: 53 Resp: 2612

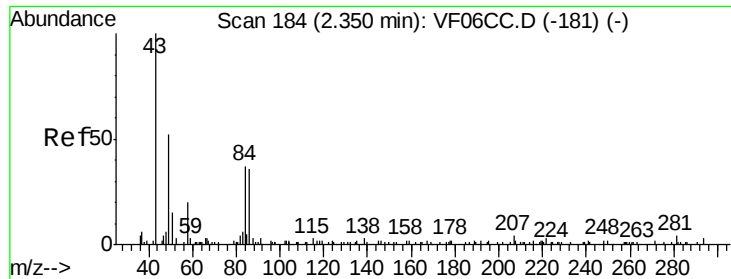
Ion Ratio Lower Upper

53 100

52 51.1 68.1 102.1#

51 81.3 27.7 41.5#

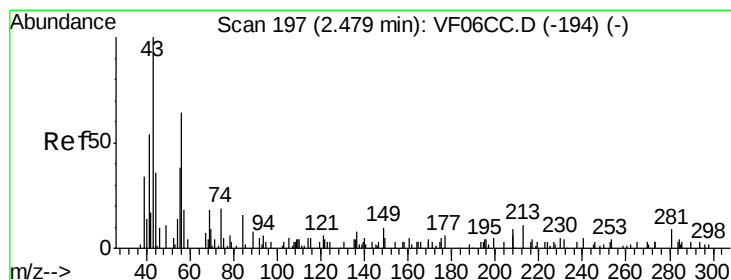
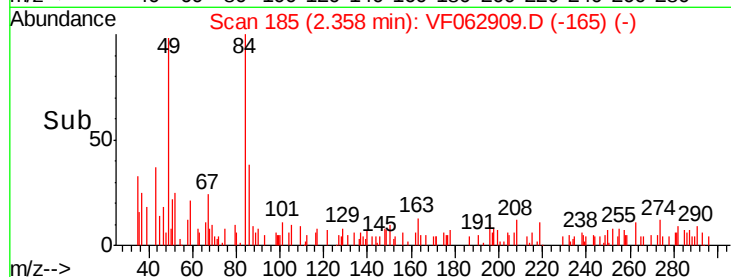
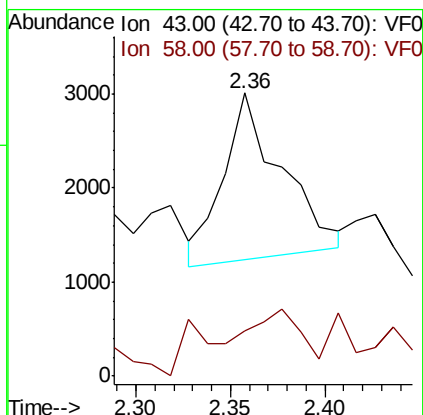
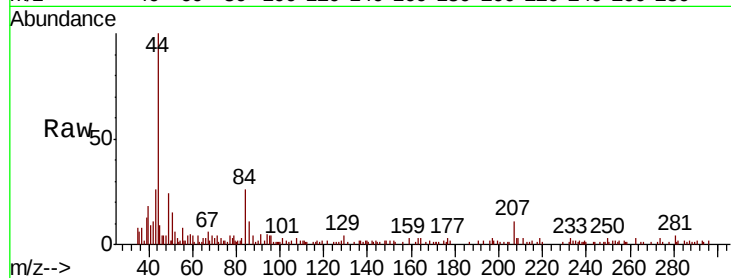




#16
Acetone
Concen: 3.385 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

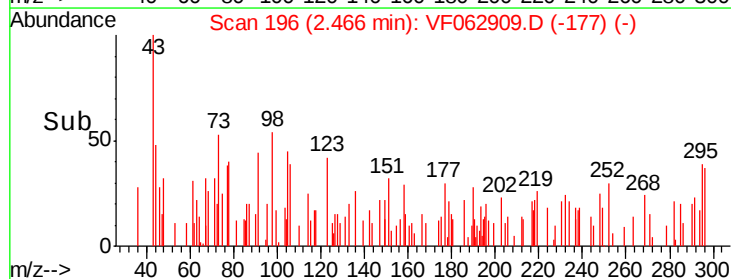
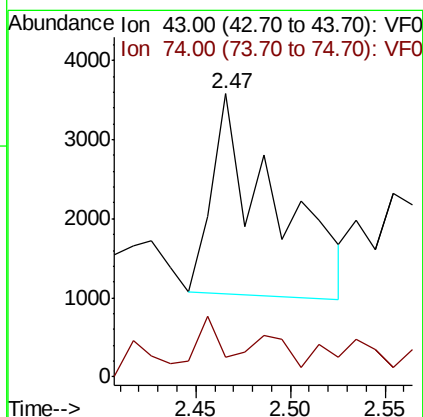
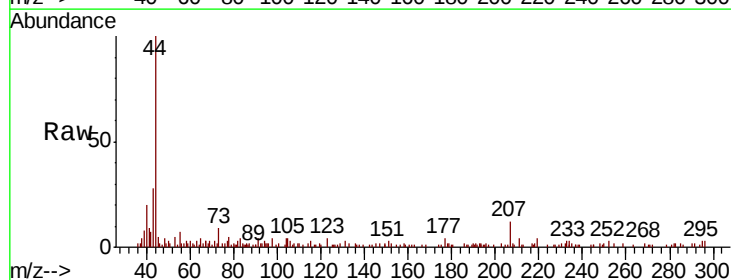
Instrument :
MSVOA_F
ClientSampleId :

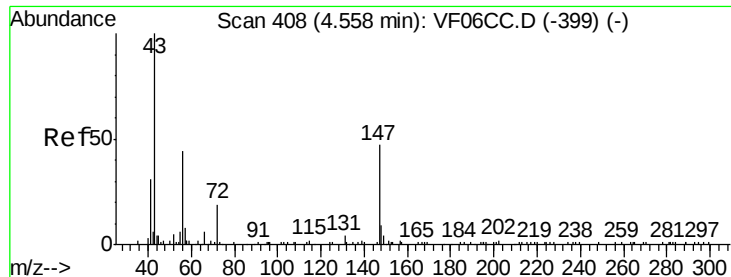
Tot Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
58 16.1 19.0 28.4#



#18
Methyl Acetate
Concen: 2.972 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Tgt Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
74 7.0 22.1 33.1#

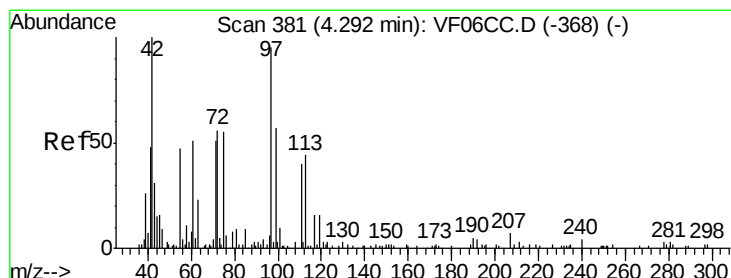
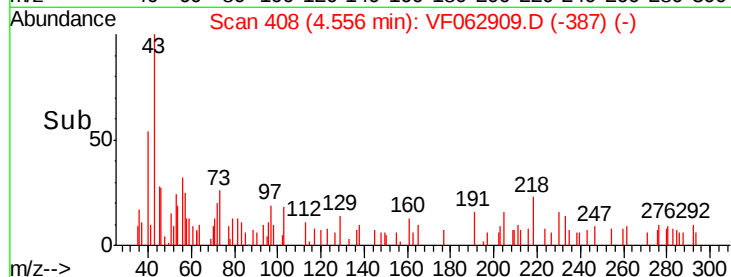
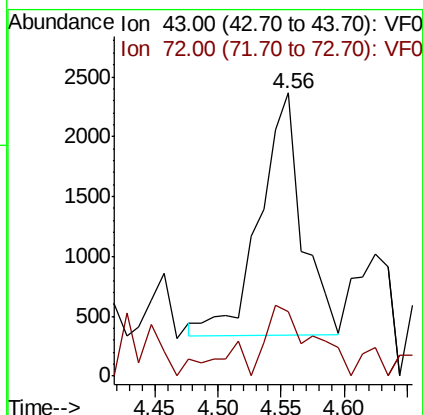
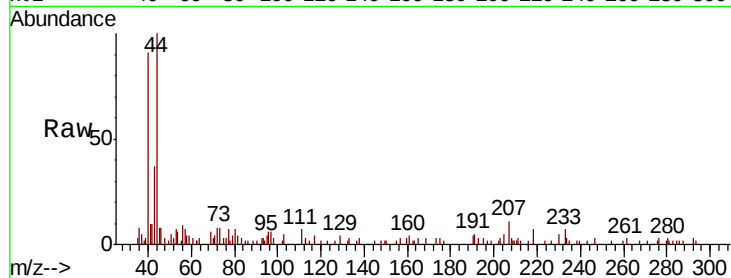




#25
2-Butanone
Concen: 1.822 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.01 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

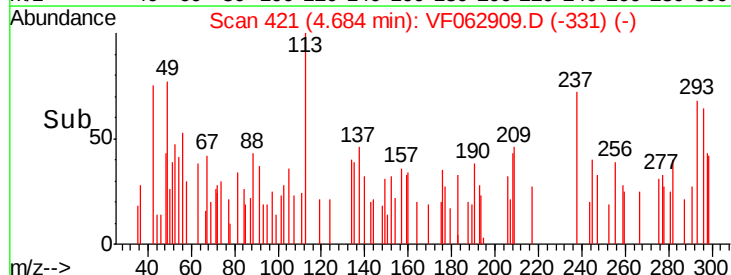
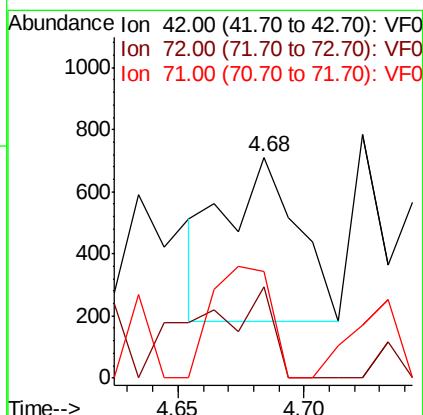
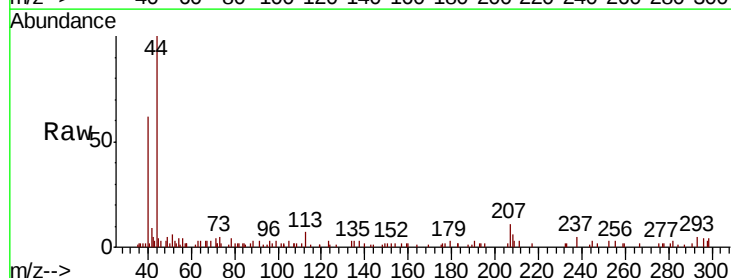
Instrument :
MSVOA_F
ClientSampled :

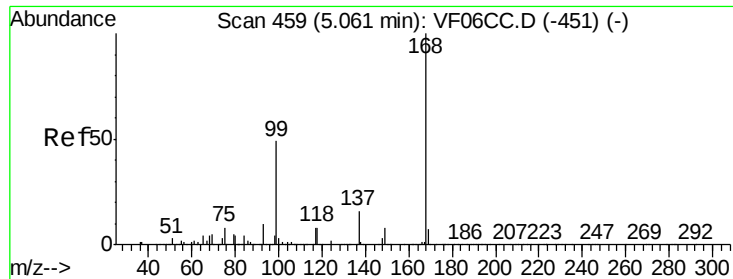
Tot Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
72 22.6 21.4 32.0



#29
Tetrahydrofuran
Concen: 1.070 ug/l
RT: 4.68 min Scan# 421
Delta R.T. 0.39 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Tgt Ion: 42 Resp: 1058
Ion Ratio Lower Upper
42 100
72 57.3 39.0 58.6
71 55.2 36.9 55.3





#33

1,2-Dichloroethane-d4

Concen: 49.404 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

Instrument :

MSVOA_F

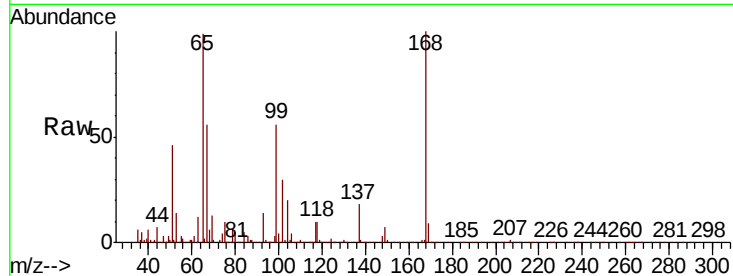
ClientSampleId :

Tot Ion: 65 Resp: 239584

Ion Ratio Lower Upper

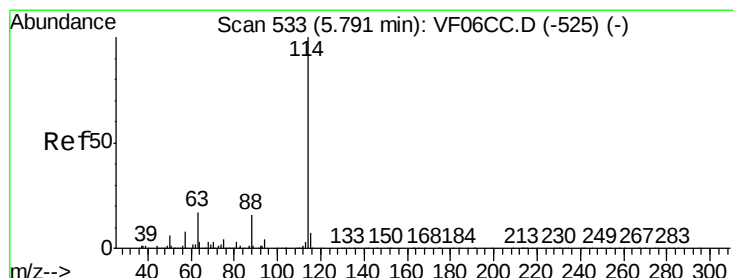
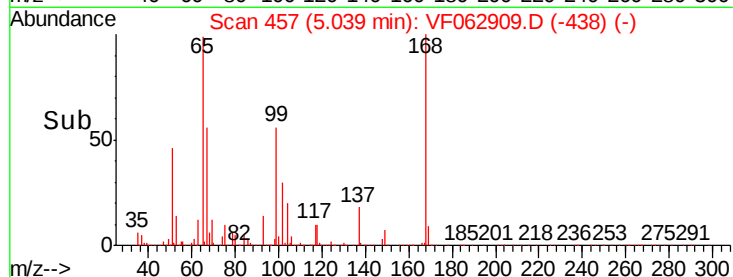
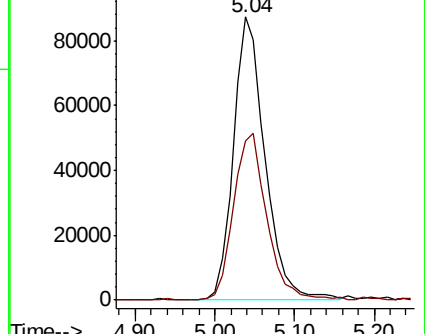
65 100

67 56.4 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: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

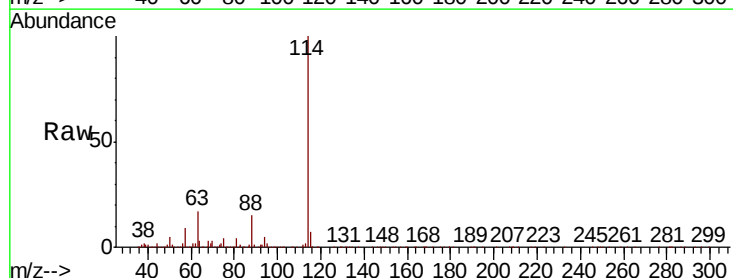
Tgt Ion: 114 Resp: 1218316

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.2

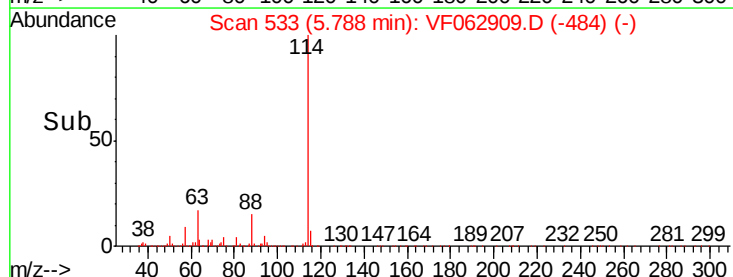
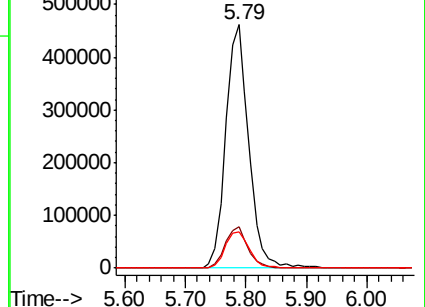
88 14.9 0.0 31.2

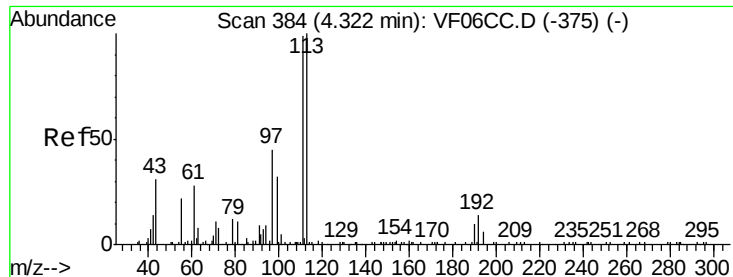


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

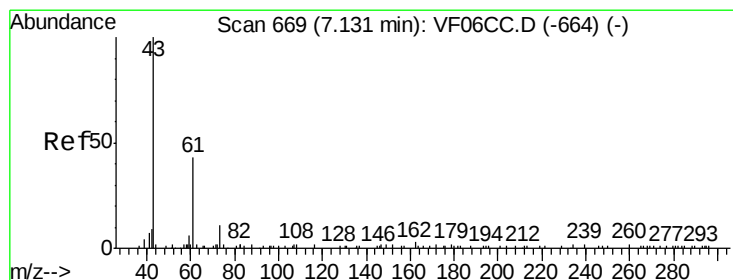
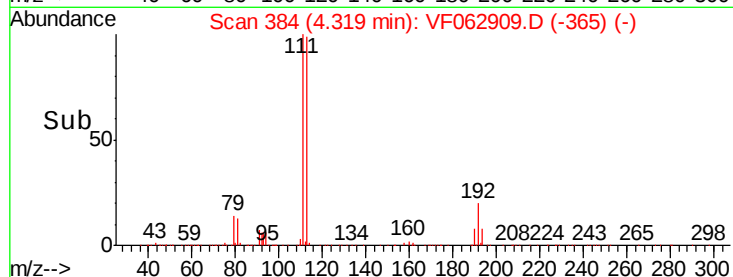
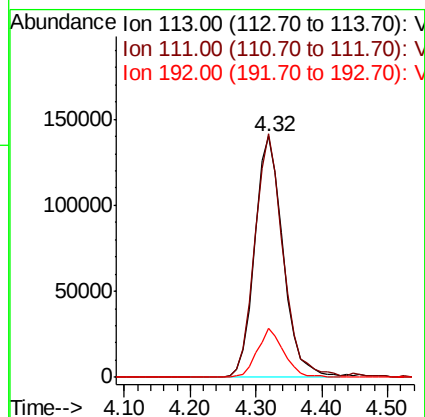
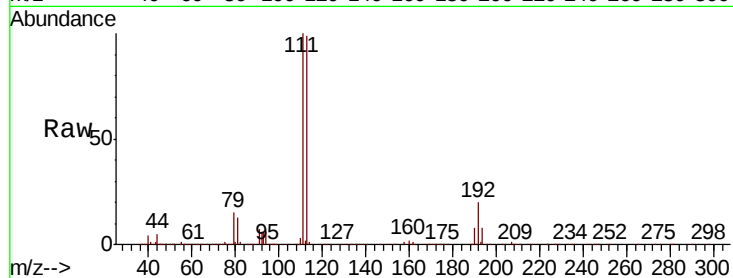




#35
 Dibromofluoromethane
 Concen: 45.999 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062909.D
 Acq: 10 Jun 2019 16:33

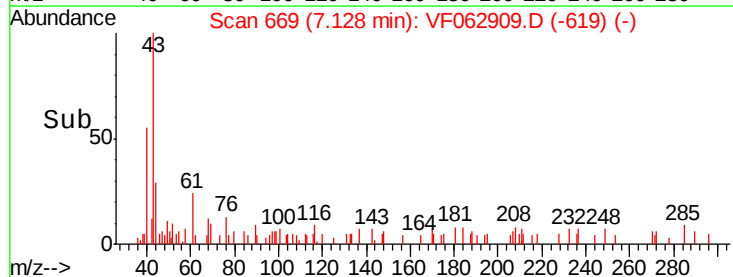
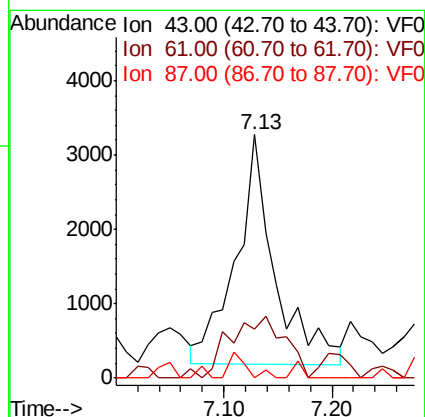
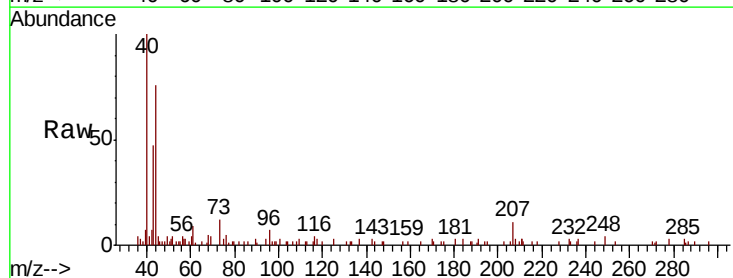
Instrument :
 MSVOA_F
 ClientSampleId :

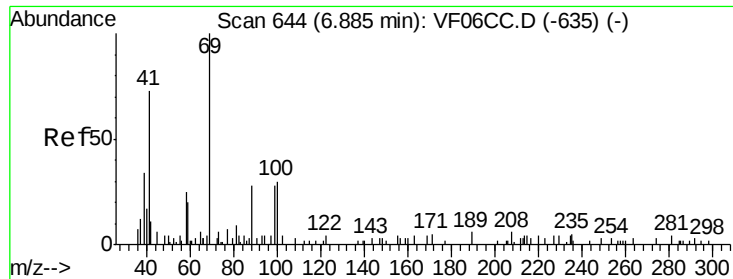
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	20.5	15.1	22.7



#43
 Isopropyl Acetate
 Concen: 1.366 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VF062909.D
 Acq: 10 Jun 2019 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.0	29.8	44.6#
87	0.0	0.3	0.5#

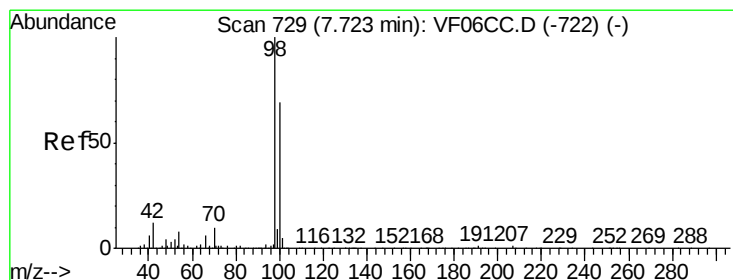
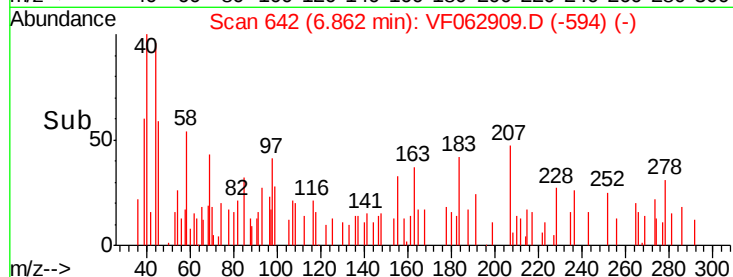
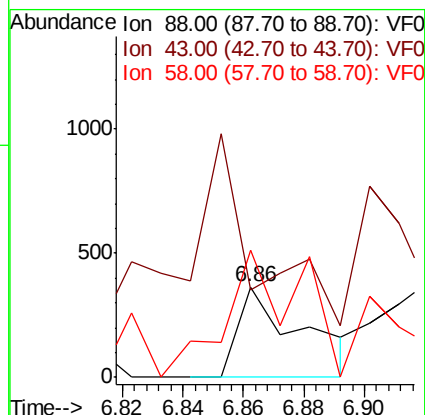
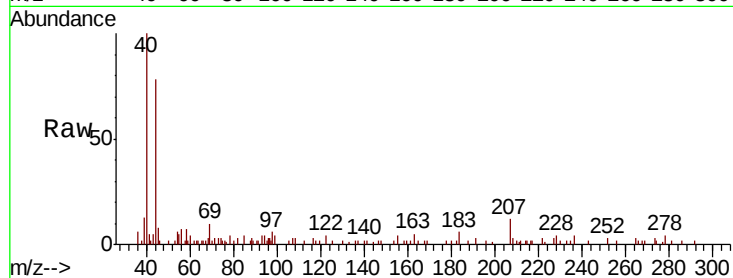




#49
1,4-Dioxane
Concen: 13.854 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

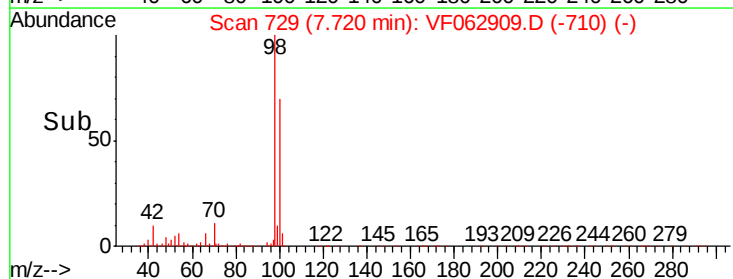
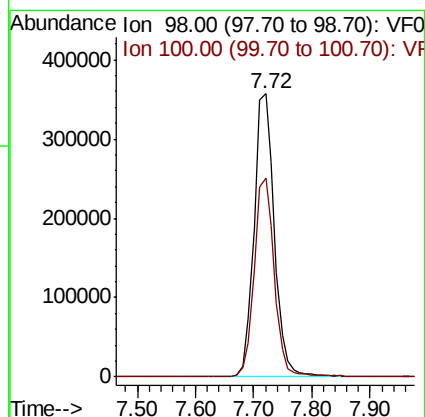
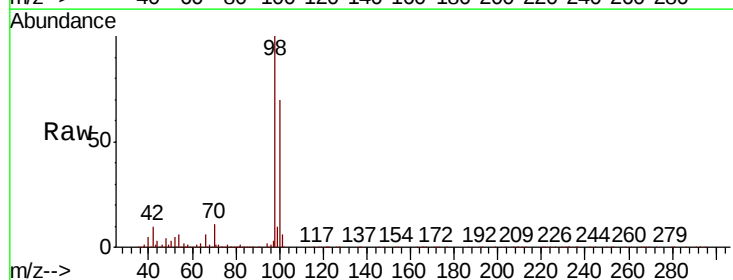
Instrument :
MSVOA_F
ClientSampleId :

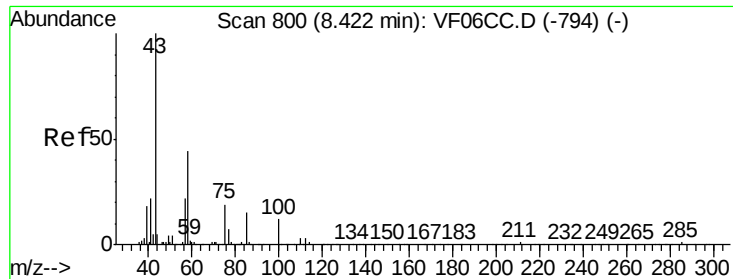
Tot Ion: 88 Resp: 533
Ion Ratio Lower Upper
88 100
43 97.5 34.8 52.2#
58 141.2 59.9 89.9#



#50
Toluene-d8
Concen: 37.817 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Tgt Ion: 98 Resp: 880404
Ion Ratio Lower Upper
98 100
100 70.3 59.8 89.8

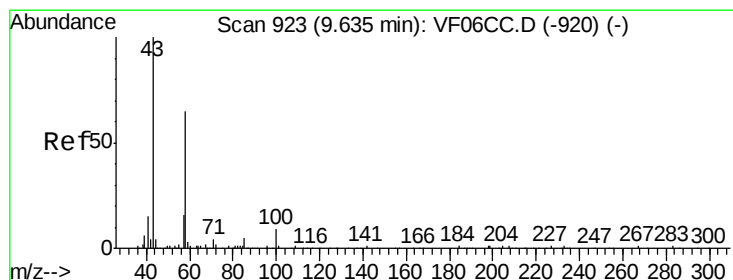
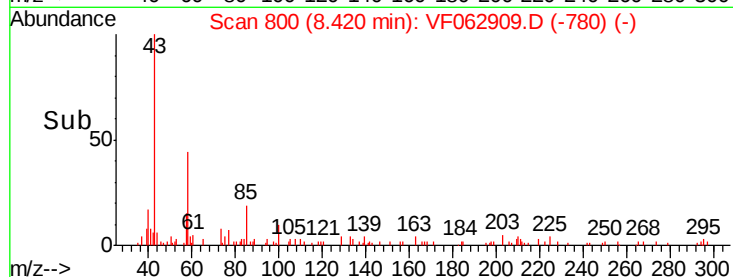
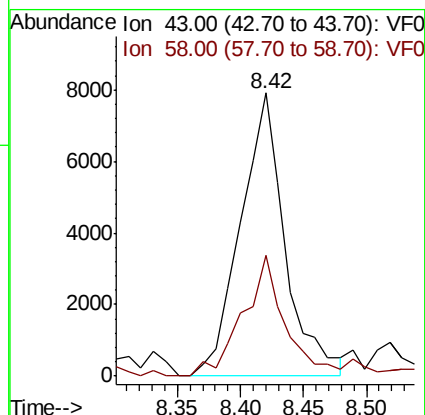
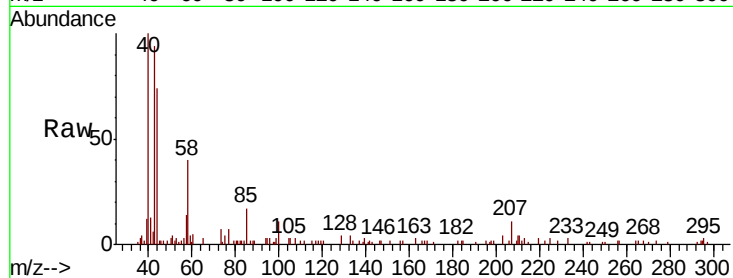




#51
 4-Methyl-2-Pentanone
 Concen: 4.803 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VF062909.D
 Acq: 10 Jun 2019 16:33

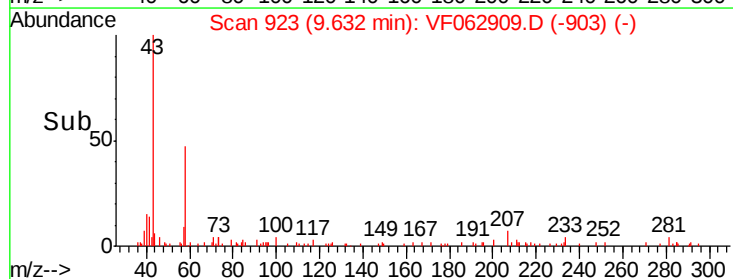
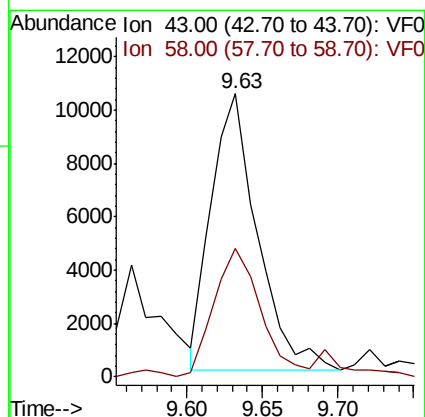
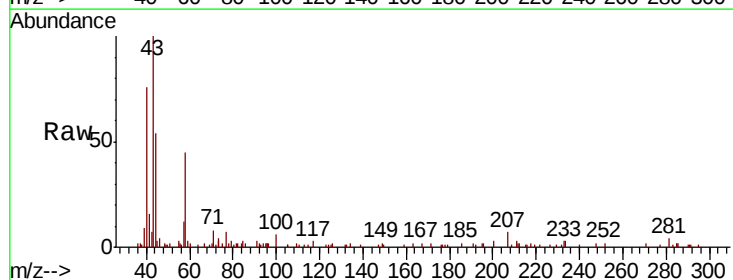
Instrument :
 MSVOA_F
 ClientSampleId :

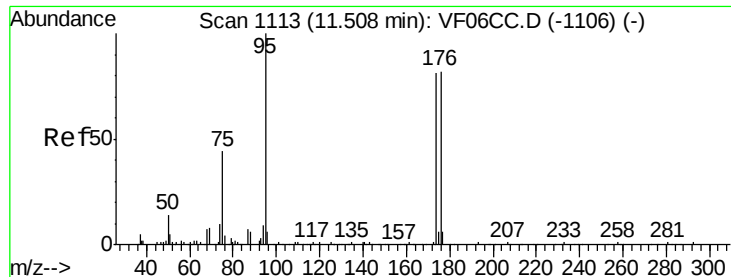
Tot Ion: 43 Resp: 19419
 Ion Ratio Lower Upper
 43 100
 58 42.8 35.5 53.3



#59
 2-Hexanone
 Concen: 7.604 ug/l
 RT: 9.63 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VF062909.D
 Acq: 10 Jun 2019 16:33

Tgt Ion: 43 Resp: 21916
 Ion Ratio Lower Upper
 43 100
 58 45.4 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 40.259 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

Instrument :

MSVOA_F

ClientSampleId :

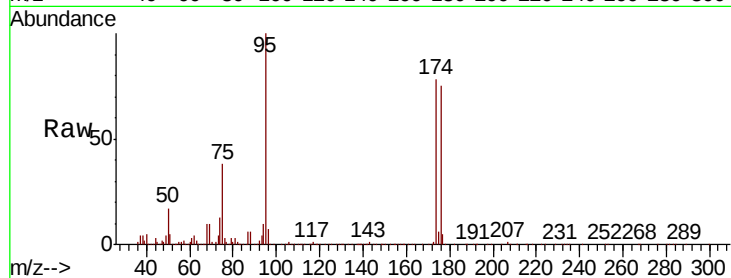
Tot Ion: 95 Resp: 337137

Ion Ratio Lower Upper

95 100

174 78.1 0.0 170.6

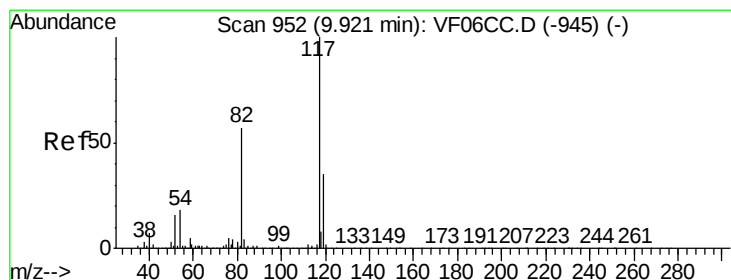
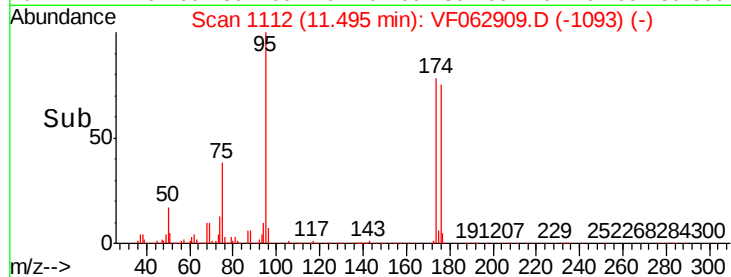
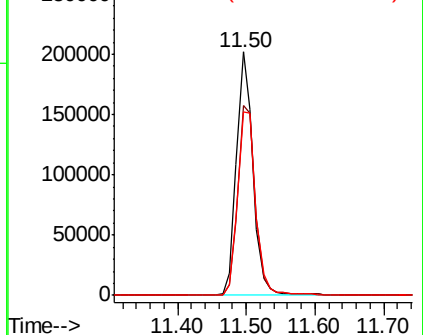
176 75.3 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF062909.D

Acq: 10 Jun 2019 16:33

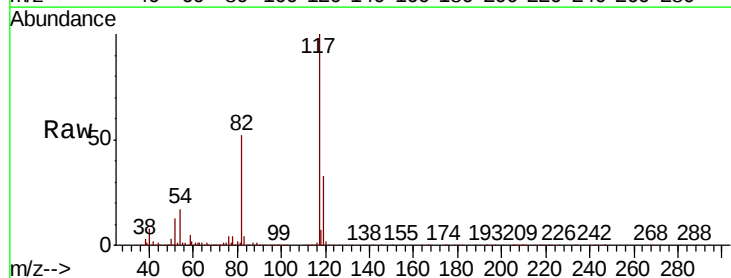
Tgt Ion: 117 Resp: 899459

Ion Ratio Lower Upper

117 100

82 52.1 42.4 63.6

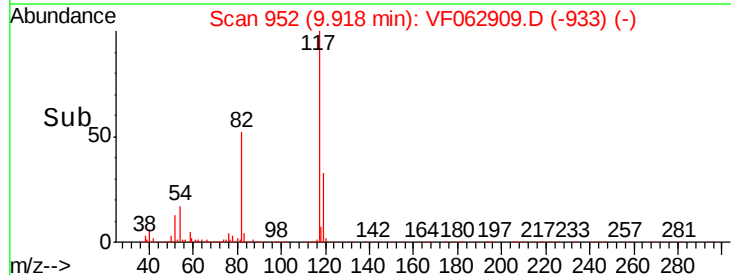
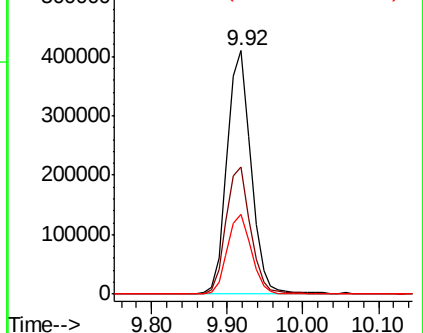
119 32.9 27.1 40.7

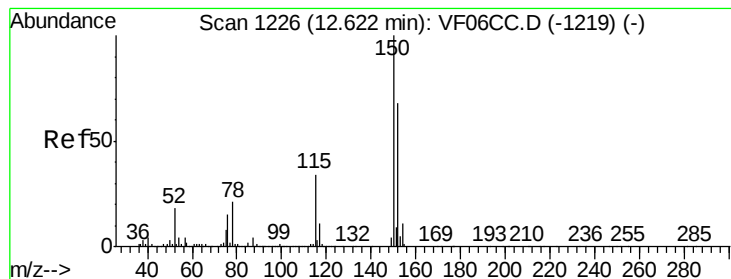


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



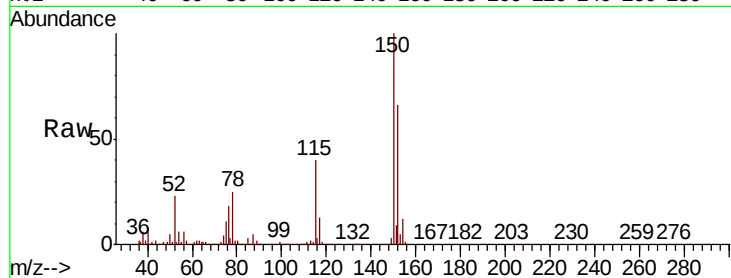


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.7	24.6	74.0
150	152.5	0.0	290.6

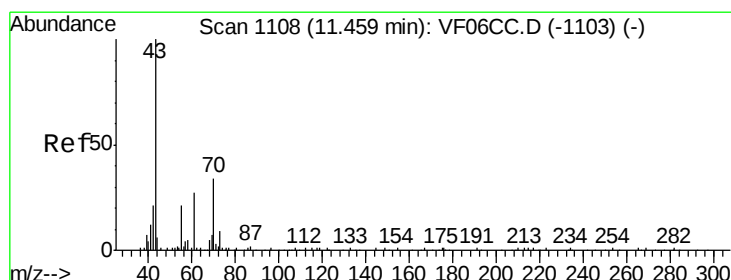
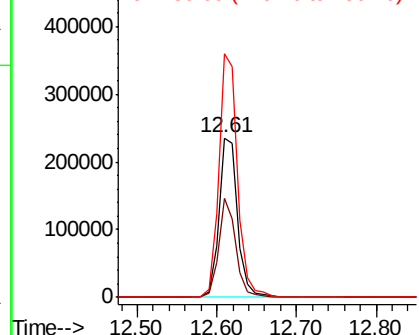
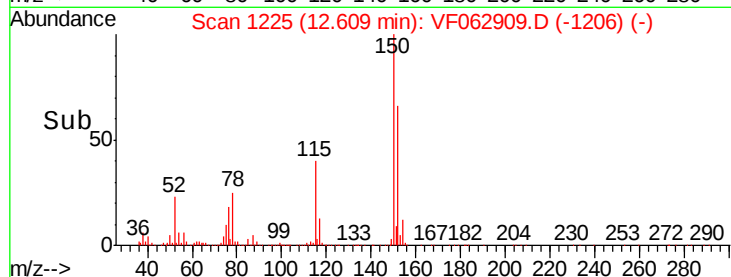


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

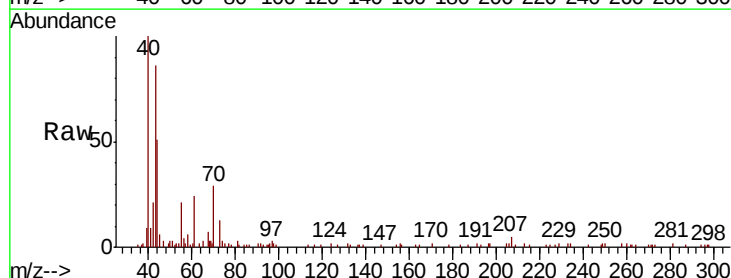
Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate
Concen: 2.464 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.6	32.9	49.3
55	24.6	17.3	25.9
61	28.2	23.7	35.5



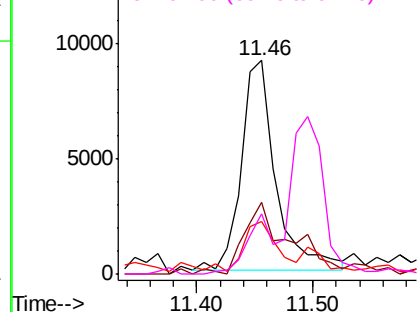
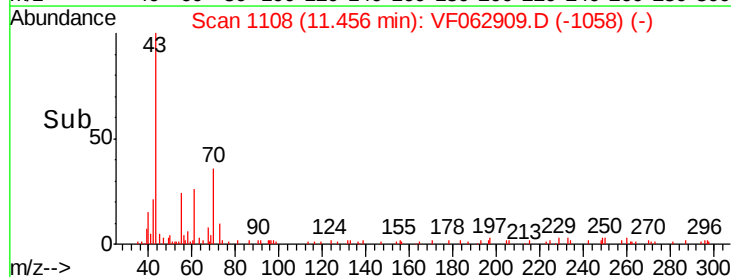
Abundance

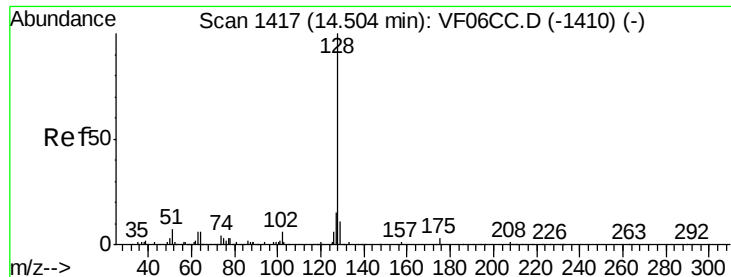
Ion 43.00 (42.70 to 43.70): VF0

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

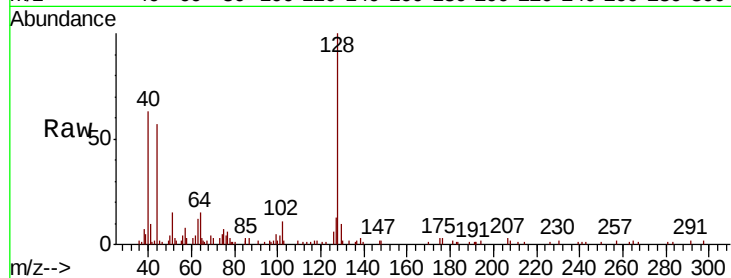




#95
Naphthalene
Concen: 1.335 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062909.D
Acq: 10 Jun 2019 16:33

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	9.7	9.4	14.2



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

