

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062911.D
 Acq On : 10 Jun 2019 17:29
 Operator : FY/SY
 Sample : K3265-05RE
 Misc : 5.05g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 11 01:20:08 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

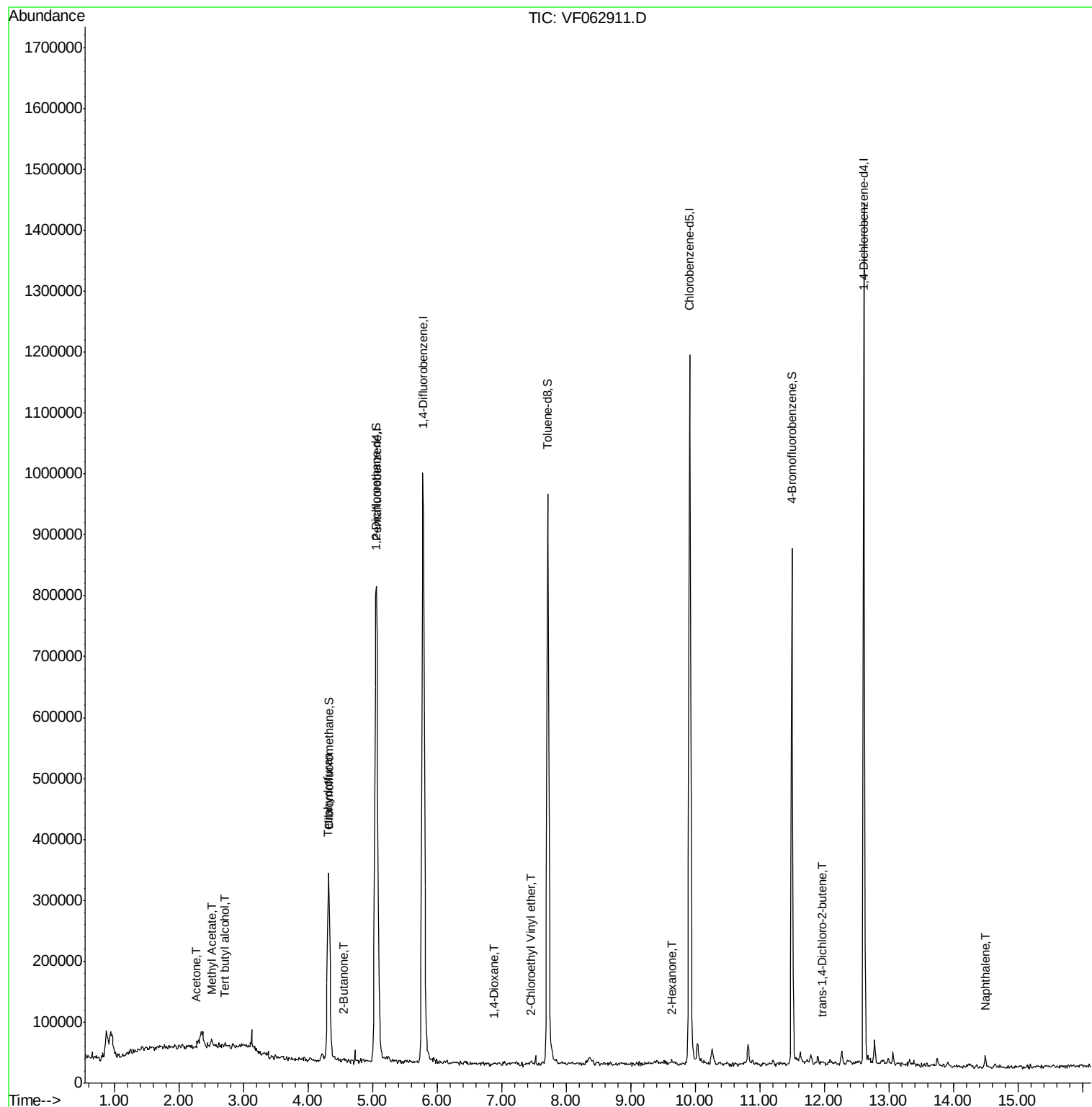
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	760487	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1267511	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	914908	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	349106	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	216781	41.22	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.44%	
35) Dibromofluoromethane	4.32	113	311184	32.49	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	64.98%	
50) Toluene-d8	7.71	98	843663	34.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.66%	
62) 4-Bromofluorobenzene	11.50	95	303366	34.82	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	69.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	938	Below Cal		83
11) Tert butyl alcohol	2.72	59	2155	6.765 ug/l #		1
13) Acrolein	2.13	56	507	Below Cal		89
16) Acetone	2.26	43	1583	1.315 ug/l		94
18) Methyl Acetate	2.50	43	3559	1.692 ug/l #		72
20) Methylene Chloride	2.30	84	6965	Below Cal		96
25) 2-Butanone	4.55	43	5922	2.113 ug/l #		88
29) Tetrahydrofuran	4.30	42	1660	1.548 ug/l #		39
49) 1,4-Dioxane	6.88	88	399	9.968 ug/l #		1
58) 2-Chloroethyl Vinyl ether	7.46	63	2684	1.310 ug/l #		52
59) 2-Hexanone	9.63	43	4312	1.438 ug/l		66
81) trans-1,4-Dichloro-2-buten	11.96	75	1495	1.024 ug/l #		74
95) Naphthalene	14.50	128	12113	1.135 ug/l		98

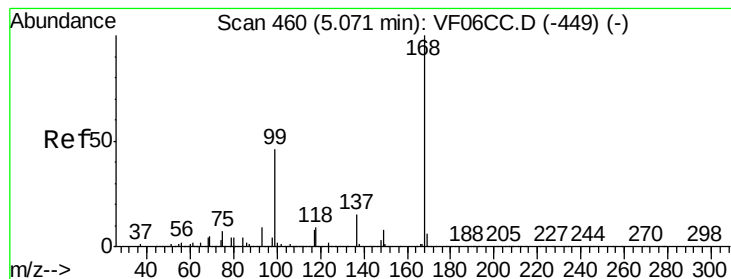
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061019\
Data File : VF062911.D
Acq On : 10 Jun 2019 17:29
Operator : FY/SY
Sample : K3265-05RE
Misc : 5.05g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 11 01:20:08 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: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

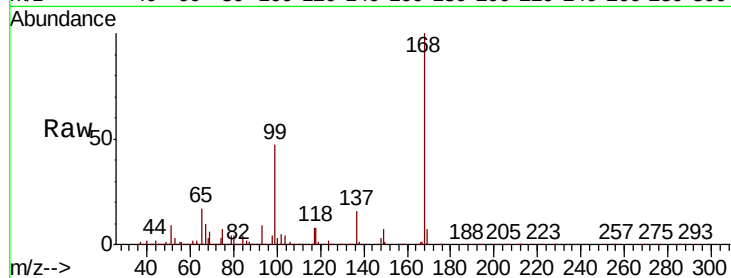
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 760487

Ion Ratio Lower Upper

168 100

99 47.2 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

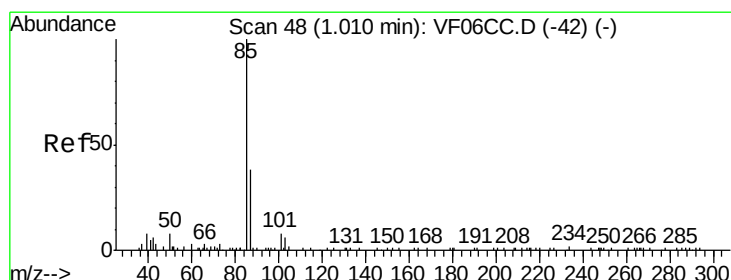
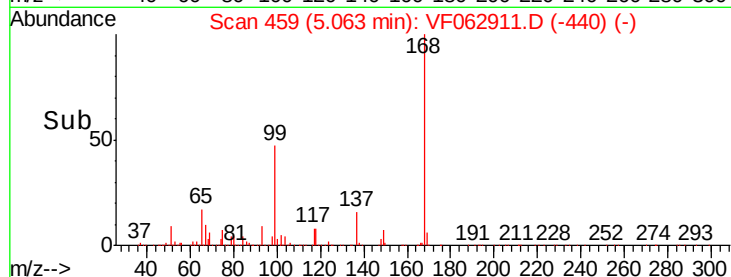
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062911.D

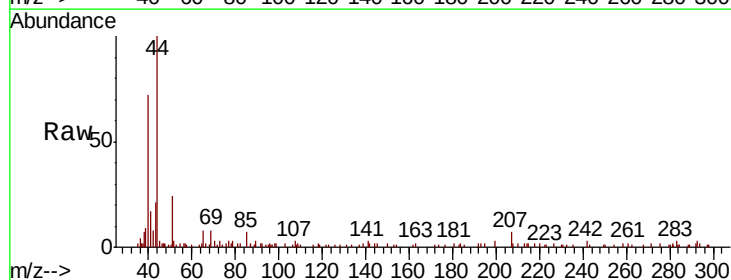
Acq: 10 Jun 2019 17:29

Tgt Ion: 85 Resp: 938

Ion Ratio Lower Upper

85 100

87 45.0 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

800

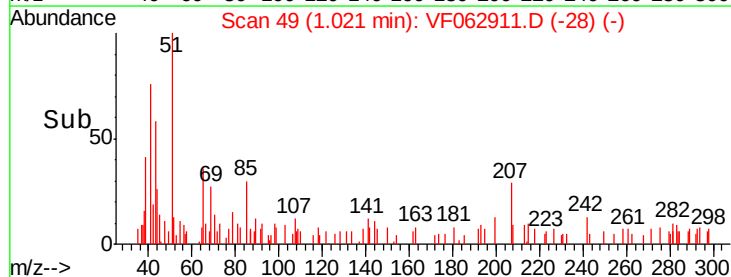
600

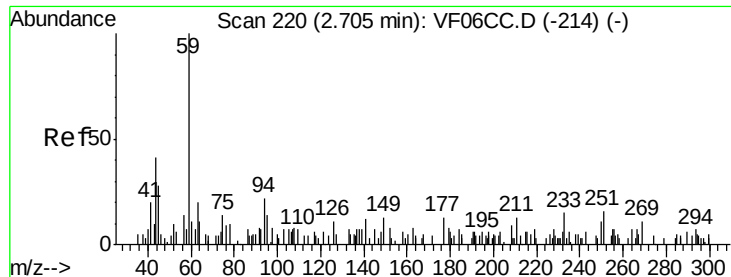
400

200

0

Time-->

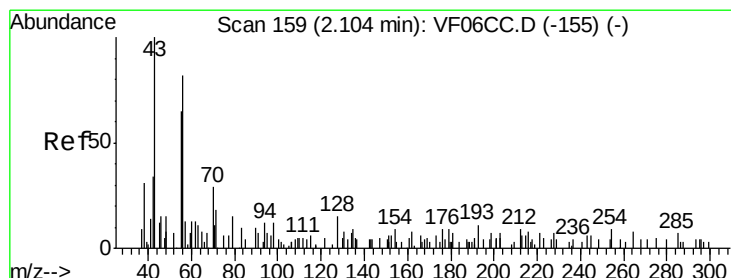
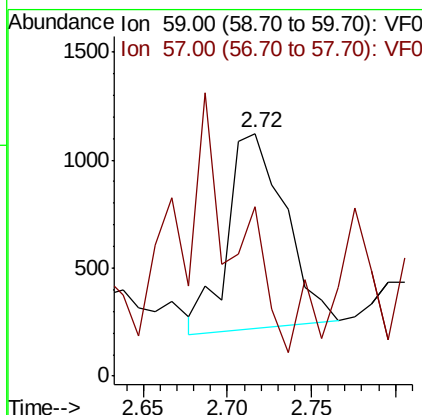
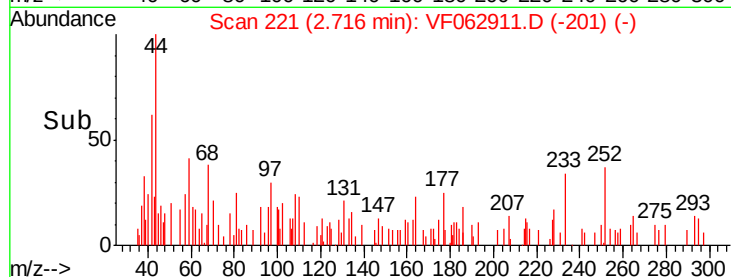
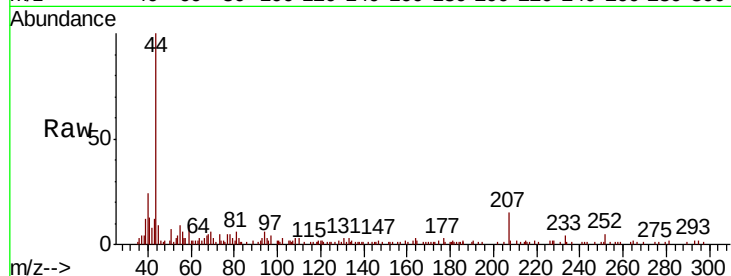




#11
Tert butyl alcohol
Concen: 6.765 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

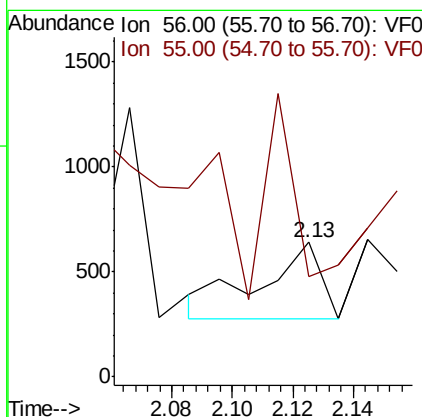
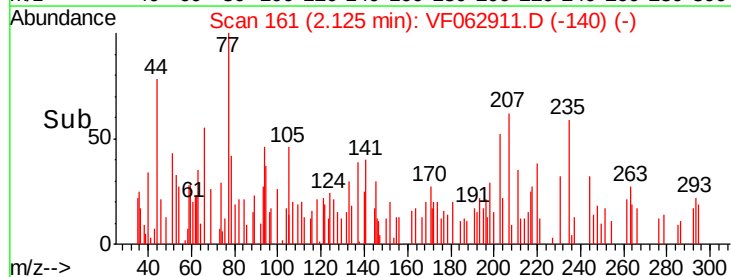
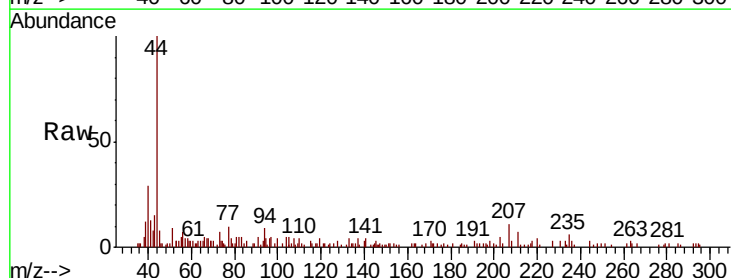
Instrument :
MSVOA_F
ClientSampleId :

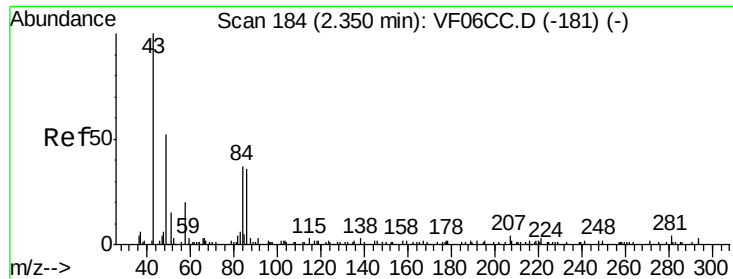
Tot Ion: 59 Resp: 2155
Ion Ratio Lower Upper
59 100
57 69.6 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.13 min Scan# 161
Delta R.T. 0.01 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Tgt Ion: 56 Resp: 507
Ion Ratio Lower Upper
56 100
55 74.7 52.9 79.3

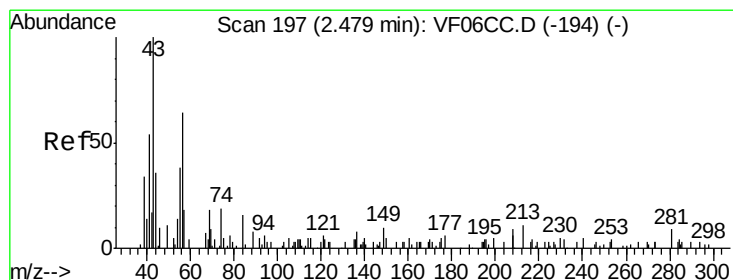
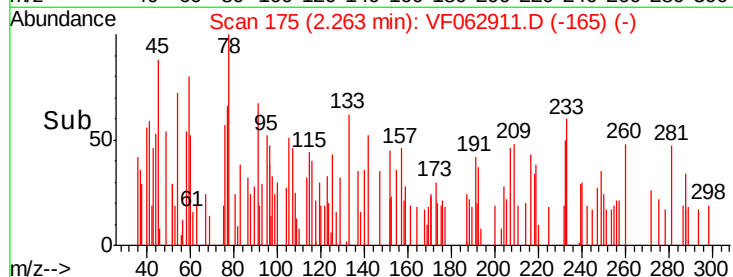
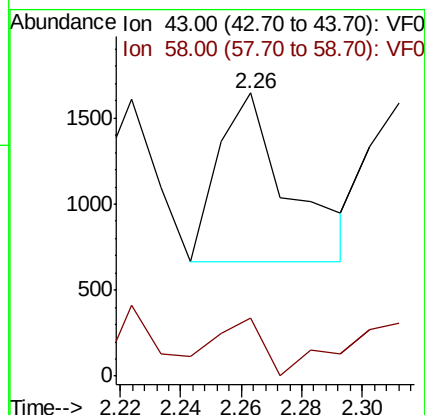
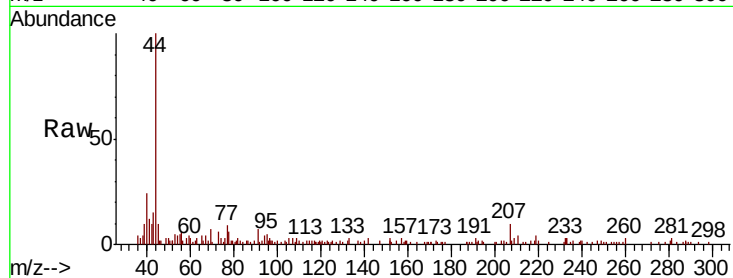




#16
Acetone
Concen: 1.315 ug/l
RT: 2.26 min Scan# 175
Delta R.T. -0.10 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

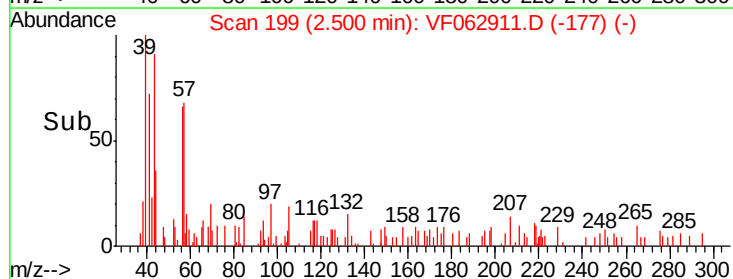
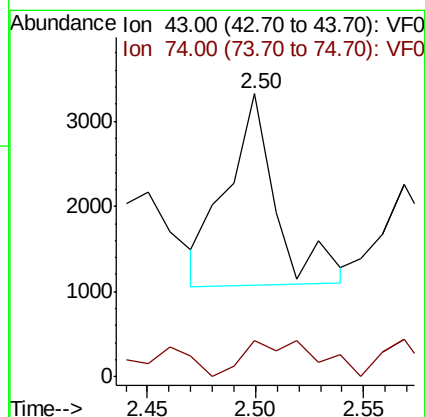
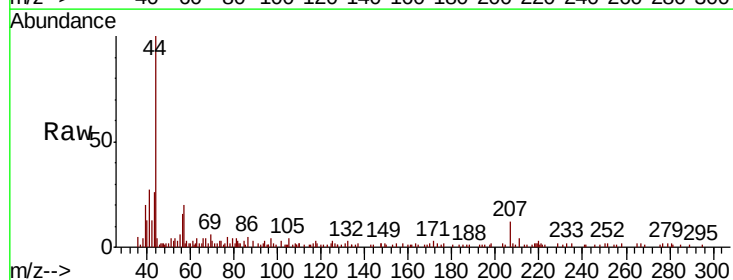
Instrument :
MSVOA_F
ClientSampleId :

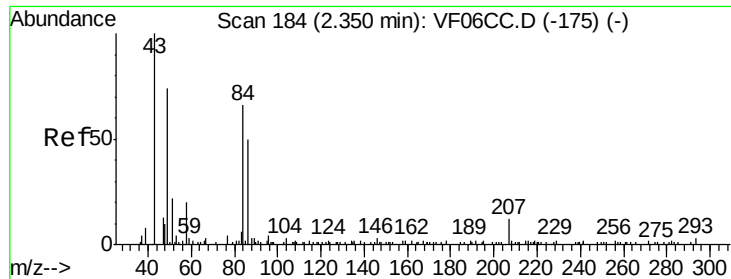
Tot Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 20.6 19.0 28.4



#18
Methyl Acetate
Concen: 1.692 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Tgt Ion: 43 Resp: 3559
Ion Ratio Lower Upper
43 100
74 13.0 22.1 33.1#

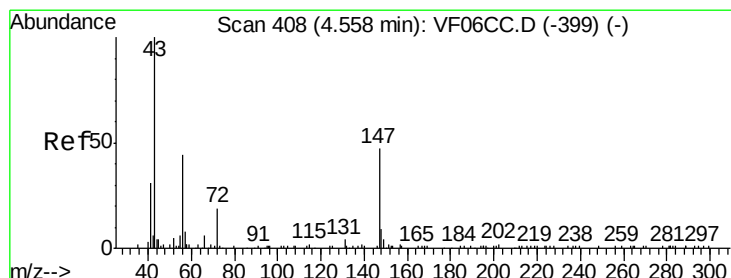
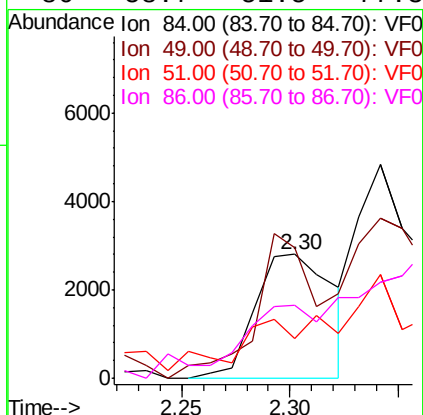
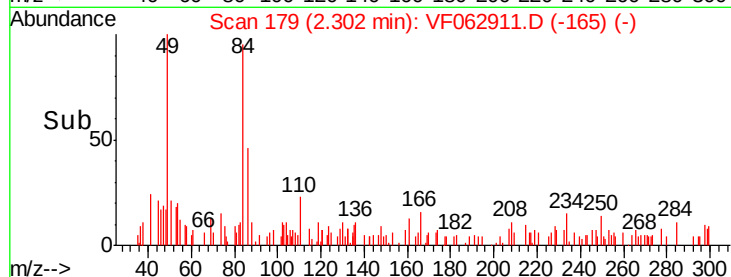
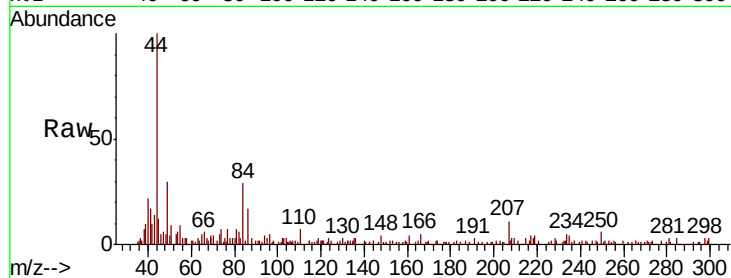




#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

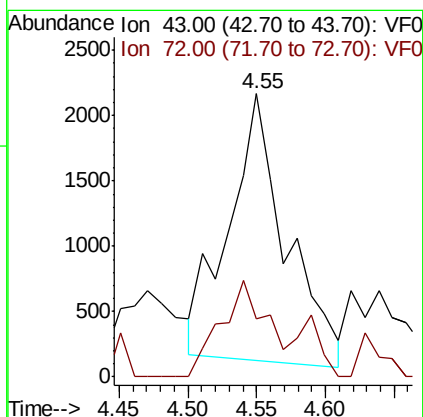
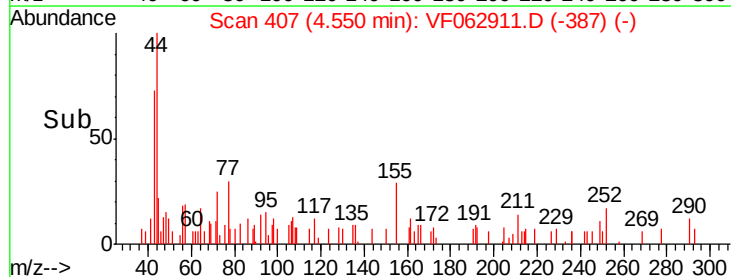
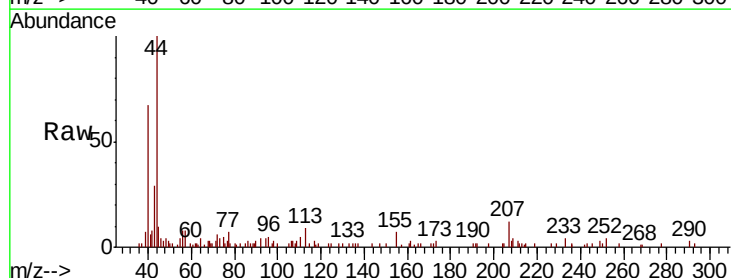
Instrument :
MSVOA_F
ClientSampled :

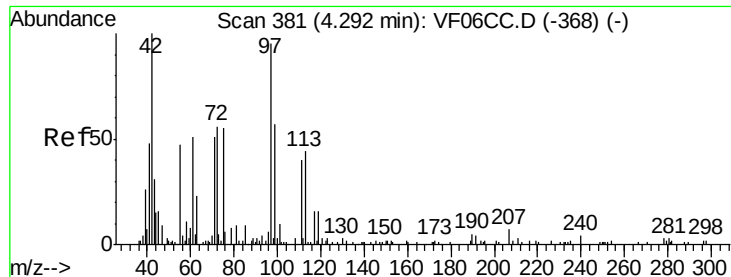
Tot Ion:	84	Resp:	6965
Ion	Ratio	Lower	Upper
84	100		
49	105.4	82.6	123.8
51	32.6	25.0	37.4
86	58.7	51.5	77.3



#25
2-Butanone
Concen: 2.113 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Tgt Ion:	43	Resp:	5922
Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.4	32.0#





#29

Tetrahydrofuran

Concen: 1.548 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

Instrument :

MSVOA_F

ClientSampled :

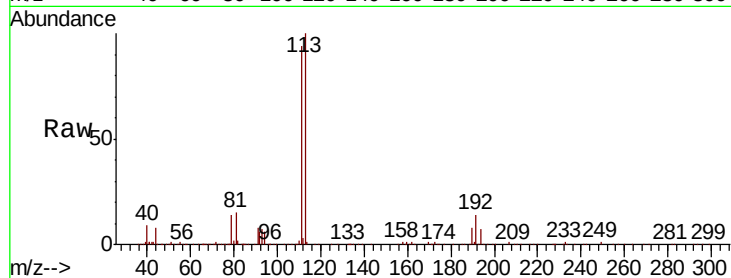
Tot Ion: 42 Resp: 1660

Ion Ratio Lower Upper

42 100

72 84.2 39.0 58.6#

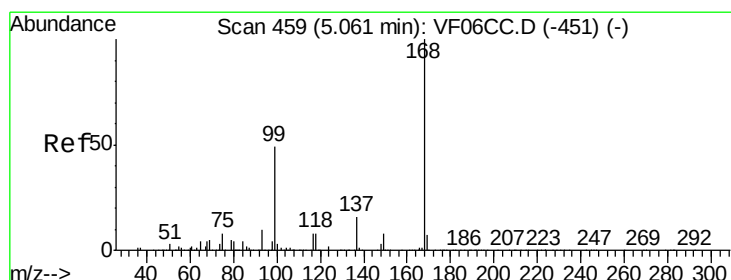
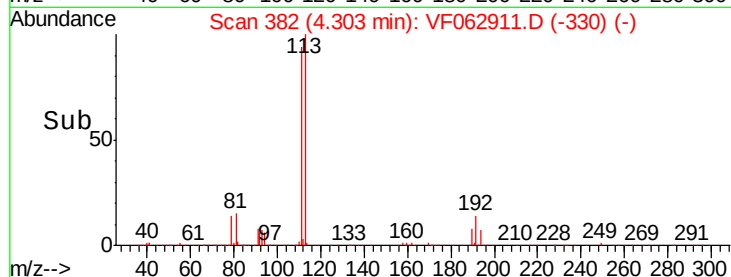
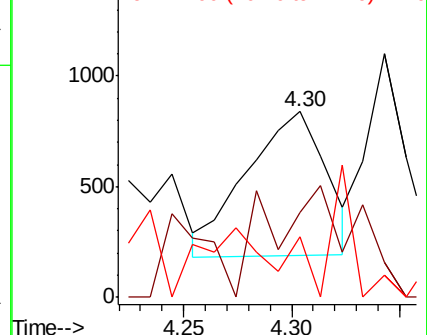
71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 41.222 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062911.D

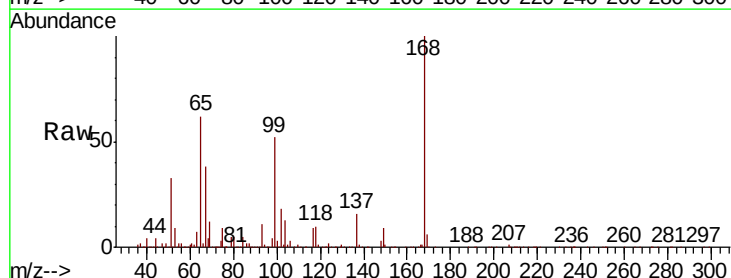
Acq: 10 Jun 2019 17:29

Tgt Ion: 65 Resp: 216781

Ion Ratio Lower Upper

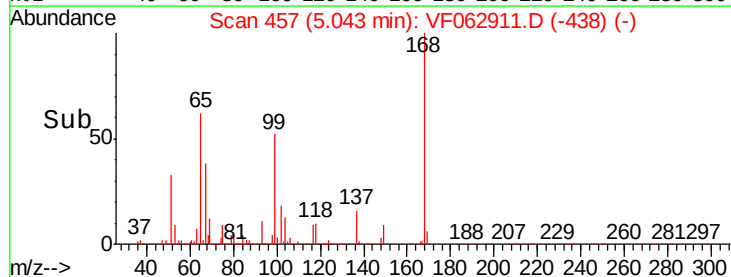
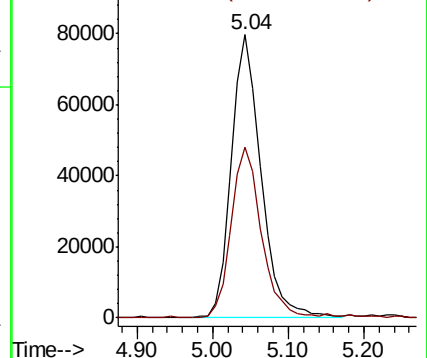
65 100

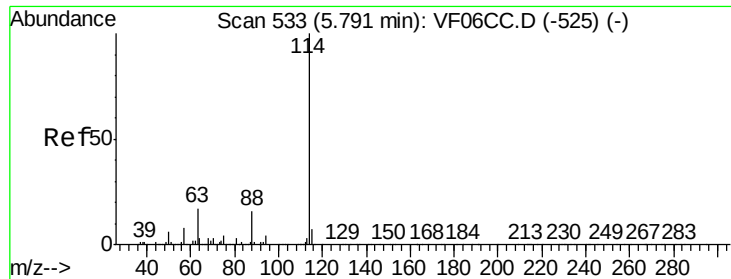
67 60.3 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

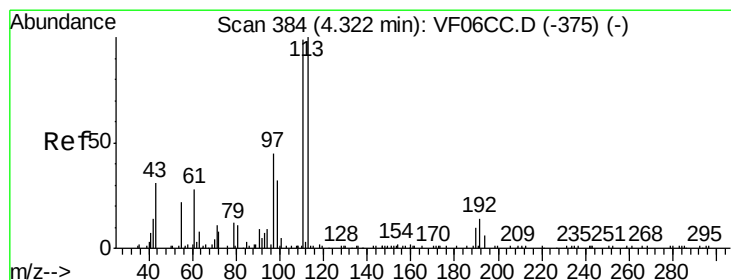
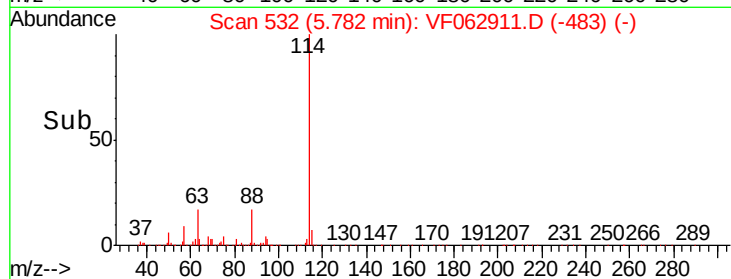
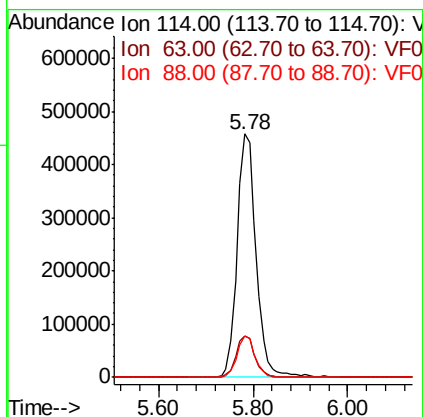
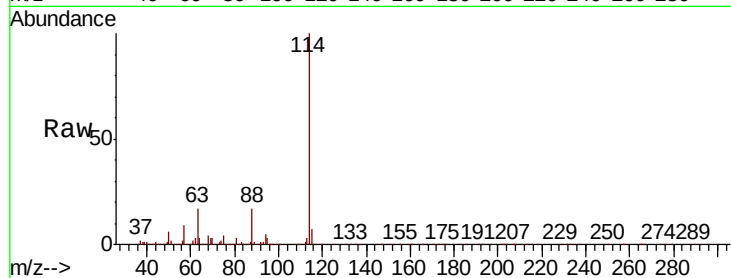




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062911.D
 Acq: 10 Jun 2019 17:29

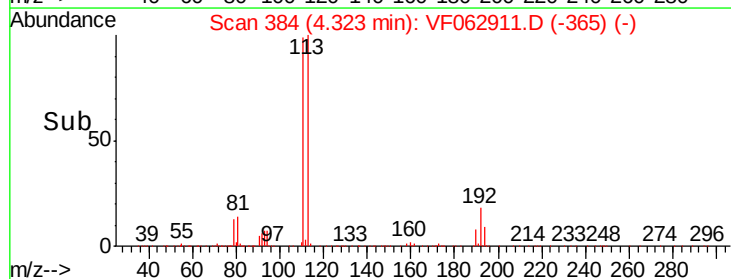
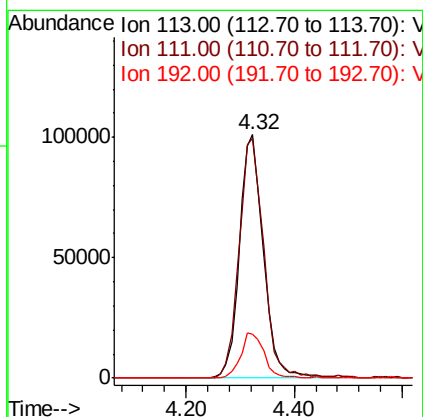
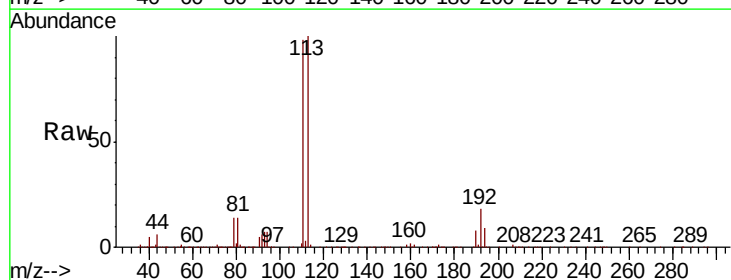
Instrument :
 MSVOA_F
 ClientSampleId :

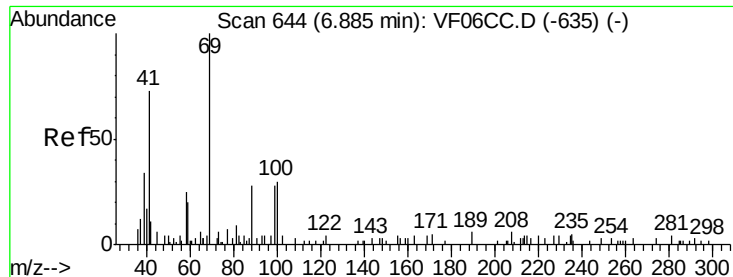
Tot Ion:114 Resp: 1267511
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.2
 88 17.0 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 32.490 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062911.D
 Acq: 10 Jun 2019 17:29

Tgt Ion:113 Resp: 311184
 Ion Ratio Lower Upper
 113 100
 111 98.4 81.9 122.9
 192 18.2 15.1 22.7





#49

1,4-Dioxane

Concen: 9.968 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

Instrument :
MSVOA_F
ClientSampleId :

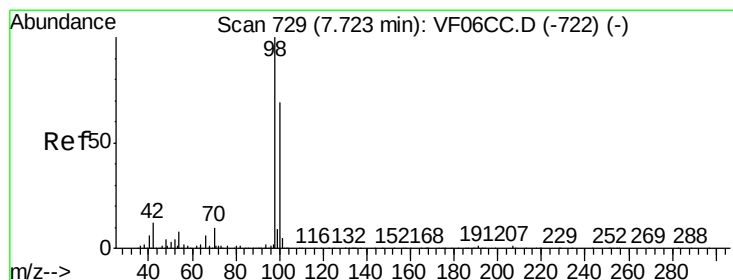
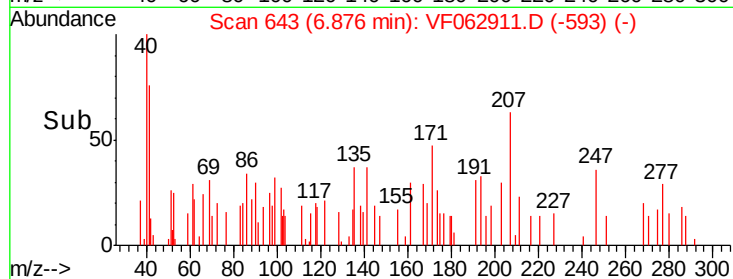
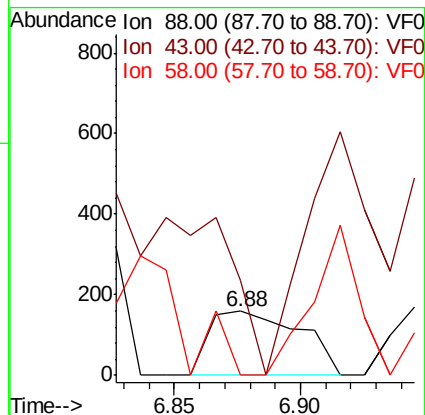
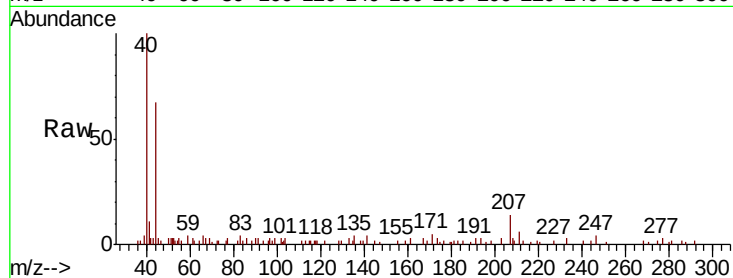
Tot Ion: 88 Resp: 399

Ion Ratio Lower Upper

88 100

43 149.1 34.8 52.2#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 34.833 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF062911.D

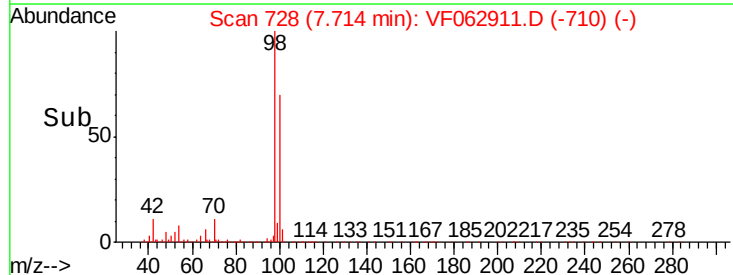
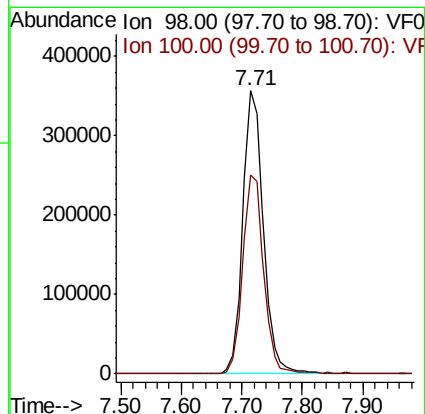
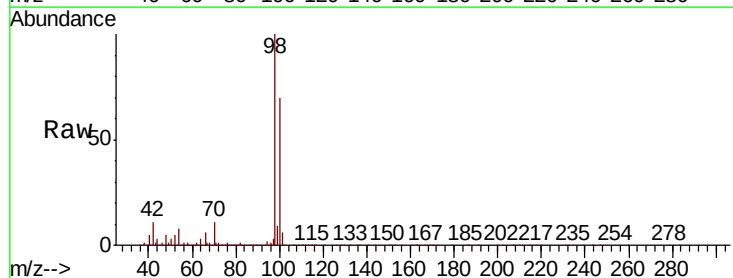
Acq: 10 Jun 2019 17:29

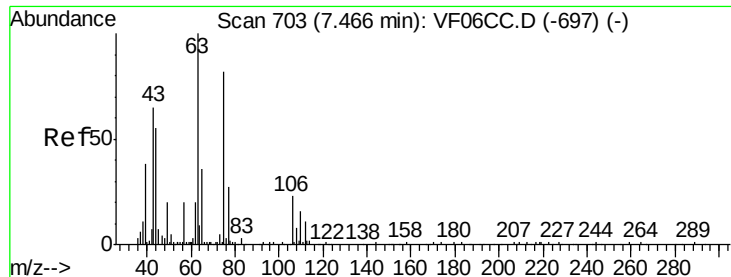
Tgt Ion: 98 Resp: 843663

Ion Ratio Lower Upper

98 100

100 70.3 59.8 89.8





#58

2-Chloroethyl Vinyl ether

Concen: 1.310 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

Instrument :

MSVOA_F

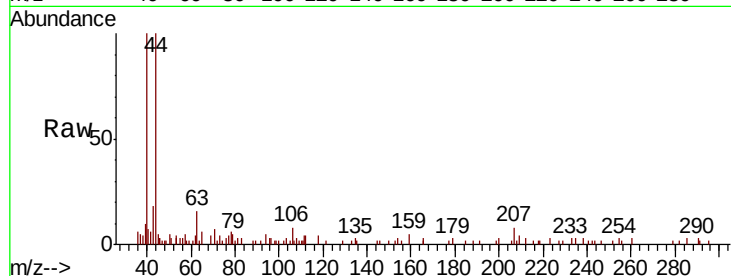
ClientSampled :

Tot Ion: 63 Resp: 2684

Ion Ratio Lower Upper

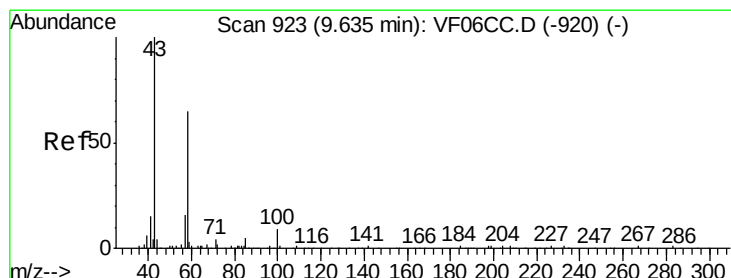
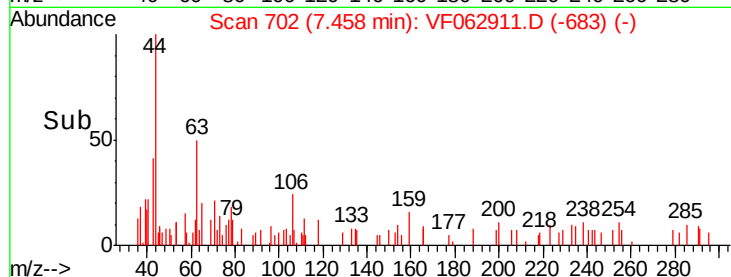
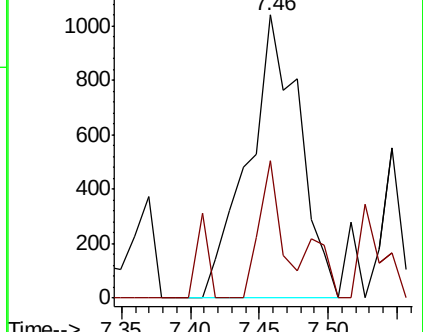
63 100

106 48.4 19.5 29.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



#59

2-Hexanone

Concen: 1.438 ug/l

RT: 9.63 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062911.D

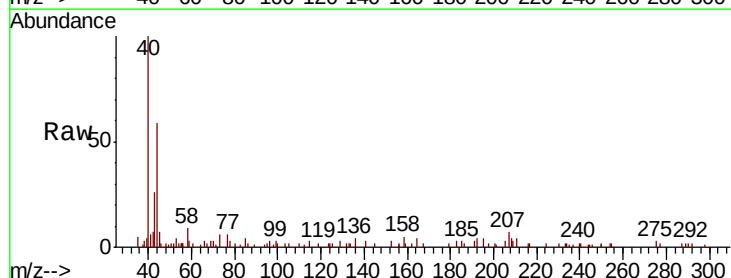
Acq: 10 Jun 2019 17:29

Tgt Ion: 43 Resp: 4312

Ion Ratio Lower Upper

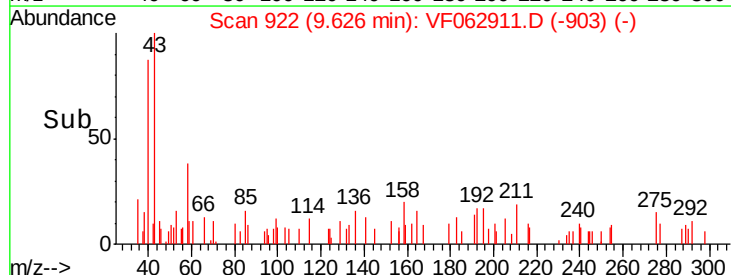
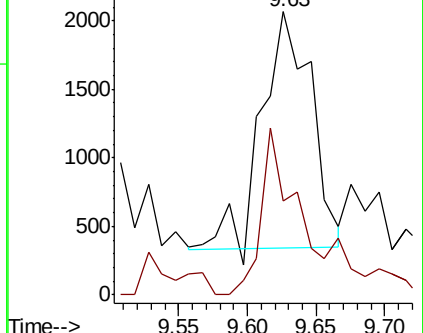
43 100

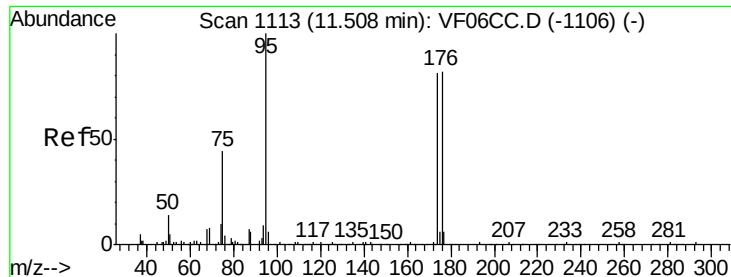
58 33.0 29.3 87.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 34.820 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

Instrument :

MSVOA_F

ClientSampleId :

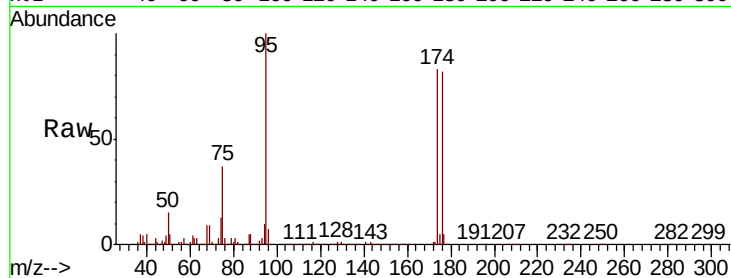
Tot Ion: 95 Resp: 303366

Ion Ratio Lower Upper

95 100

174 83.1 0.0 170.6

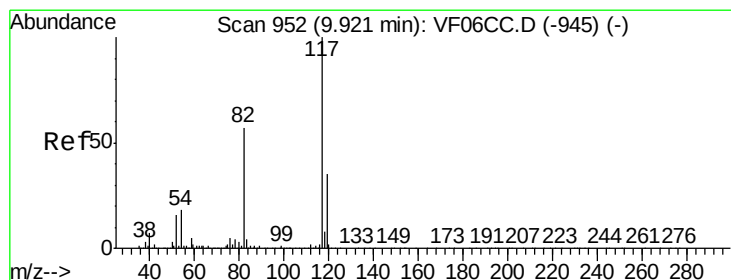
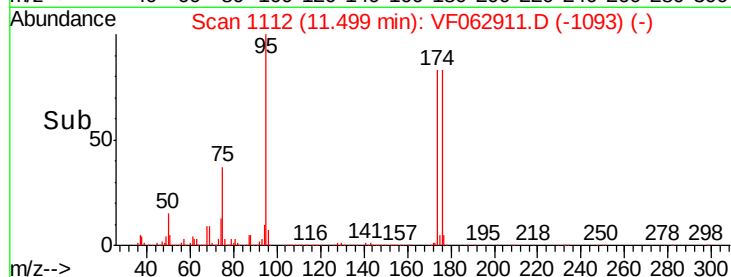
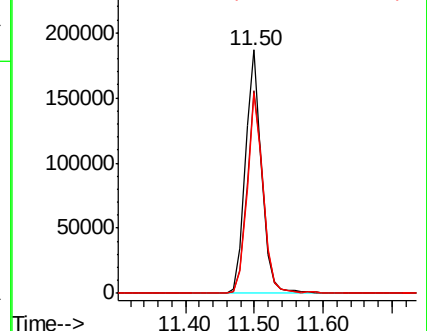
176 82.3 0.0 170.6



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. -0.02 min

Lab File: VF062911.D

Acq: 10 Jun 2019 17:29

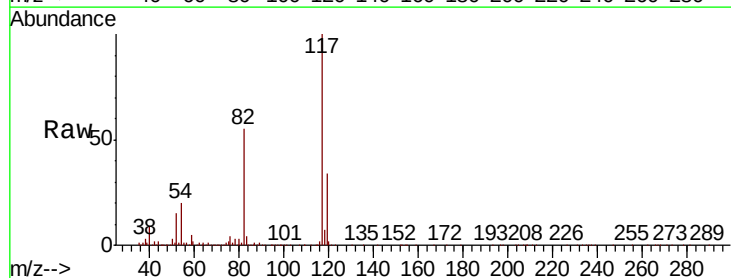
Tgt Ion: 117 Resp: 914908

Ion Ratio Lower Upper

117 100

82 55.4 42.4 63.6

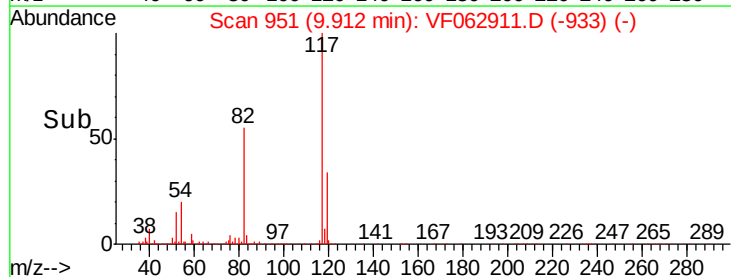
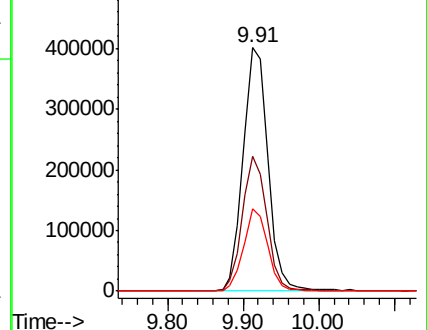
119 33.7 27.1 40.7

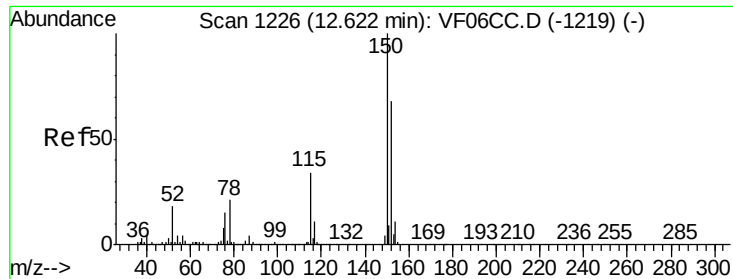


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



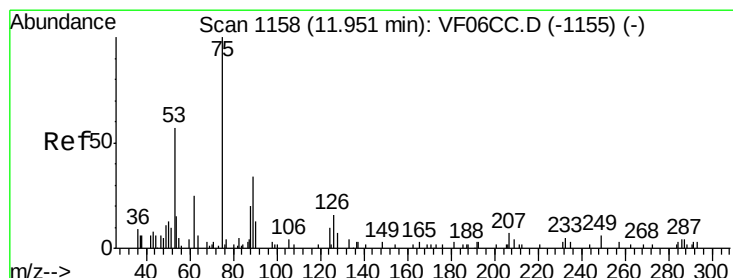
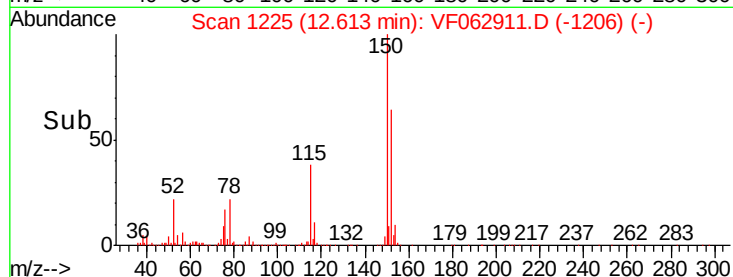
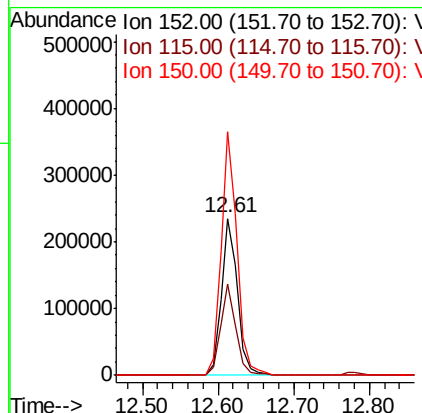
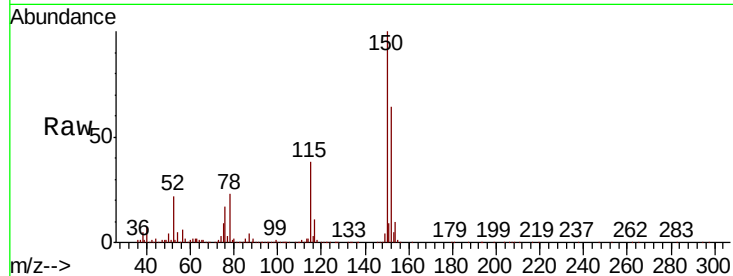


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Instrument :
MSVOA_F
ClientSampled :

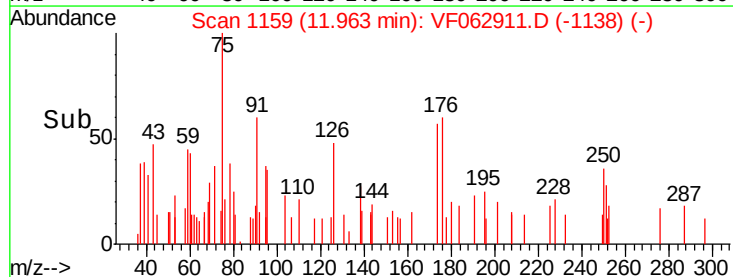
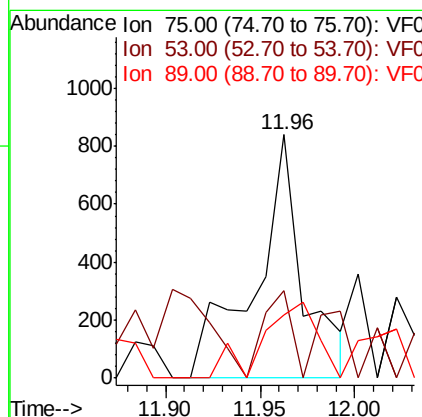
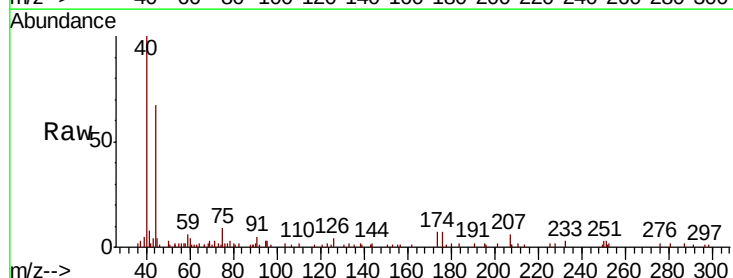
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	24.6	74.0
150	155.1	0.0	290.6

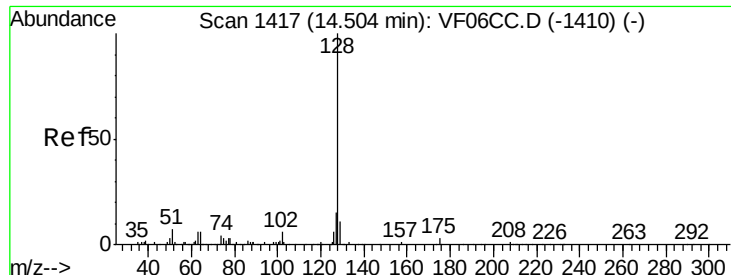


#81

trans-1,4-Dichloro-2-butene
Concen: 1.024 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
53	35.8	43.5	65.3#
89	26.1	34.3	51.5#





#95
Naphthalene
Concen: 1.135 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062911.D
Acq: 10 Jun 2019 17:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.7	14.5
129	13.3	9.4	14.2

