

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062854.D
 Acq On : 4 Jun 2019 22:22
 Operator : FY/SY
 Sample : K3151-05
 Misc : 5.55q/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:25:14 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	744762	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1279115	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	859982	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	283343	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	208203	40.43	ug/l	-0.02
Spiked Amount			Recovery	=	80.86%	
35) Dibromofluoromethane	4.30	113	370751	38.36	ug/l	-0.03
Spiked Amount			Recovery	=	76.72%	
50) Toluene-d8	7.71	98	748726	30.63	ug/l	-0.02
Spiked Amount			Recovery	=	61.26%	
62) 4-Bromofluorobenzene	11.50	95	250598	28.50	ug/l	-0.01
Spiked Amount			Recovery	=	57.00%	

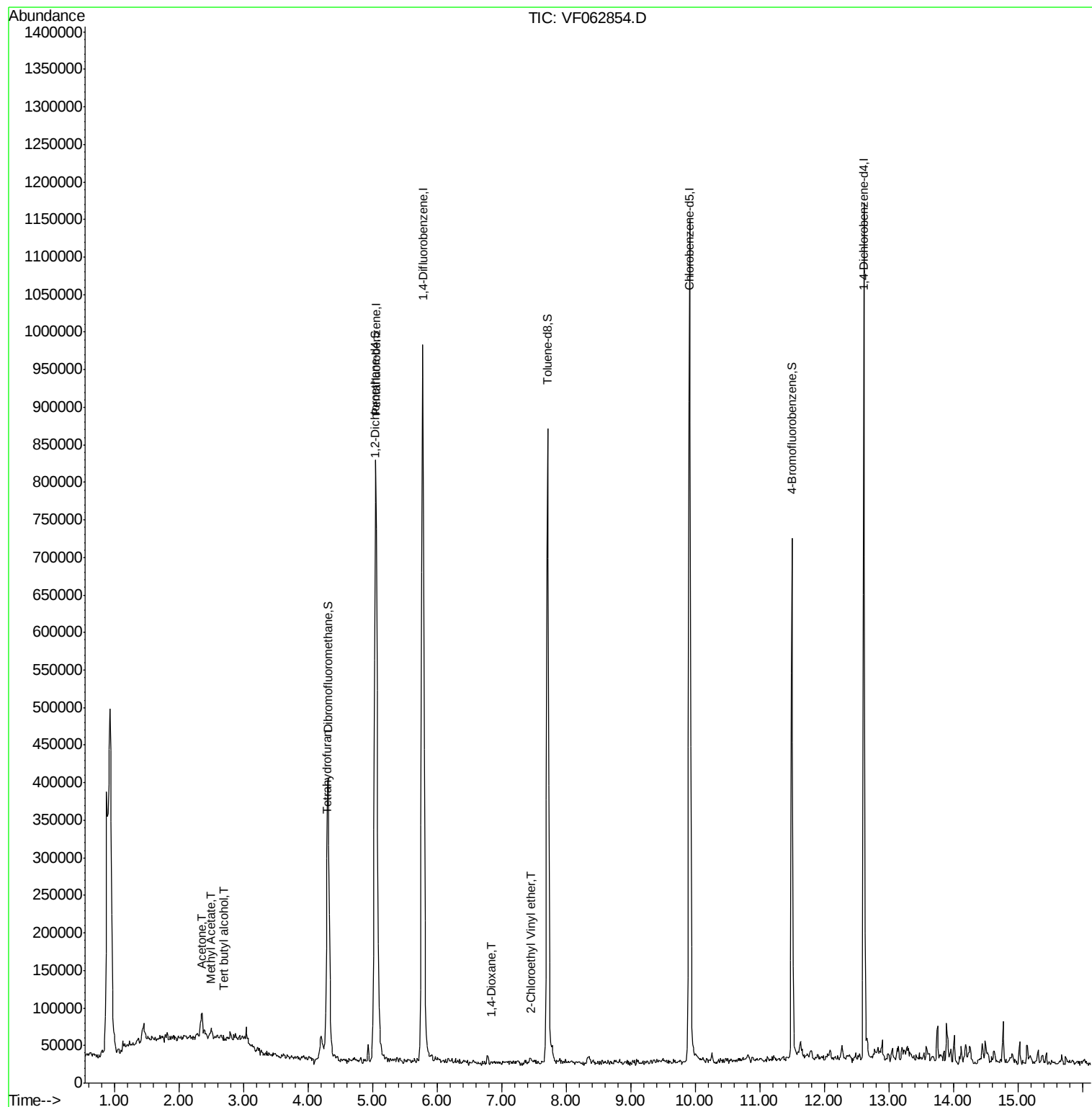
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	929	Below Cal		87
11) Tert butyl alcohol	2.69	59	3725	11.940	ug/l #	45
13) Acrolein	2.01	56	437	Below Cal		84
16) Acetone	2.35	43	55901	47.425	ug/l	96
18) Methyl Acetate	2.49	43	4281	2.078	ug/l #	77
20) Methylene Chloride	2.35	84	1944	Below Cal	#	88
29) Tetrahydrofuran	4.28	42	2097	1.997	ug/l #	60
49) 1,4-Dioxane	6.84	88	85	2.104	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.44	63	2539	1.228	ug/l	95

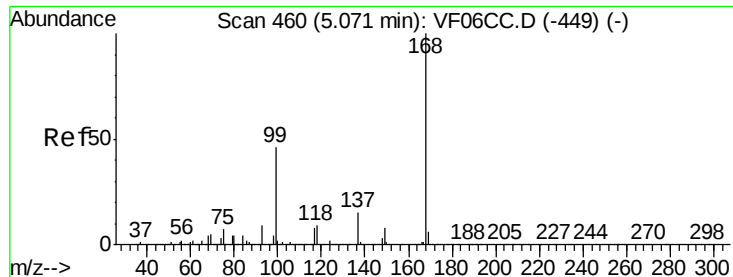
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062854.D

Acq: 4 Jun 2019 22:22

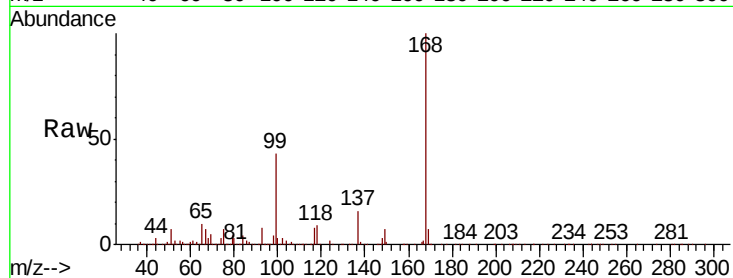
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 744762

Ion Ratio Lower Upper

168 100

99 43.4 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

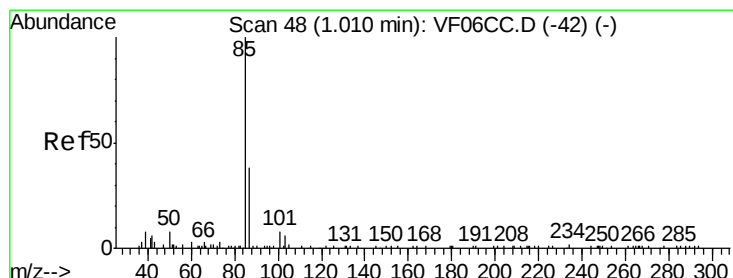
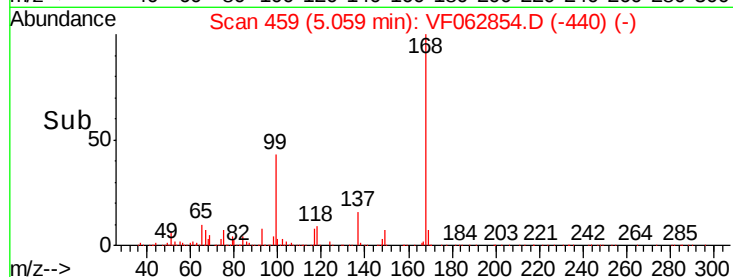
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062854.D

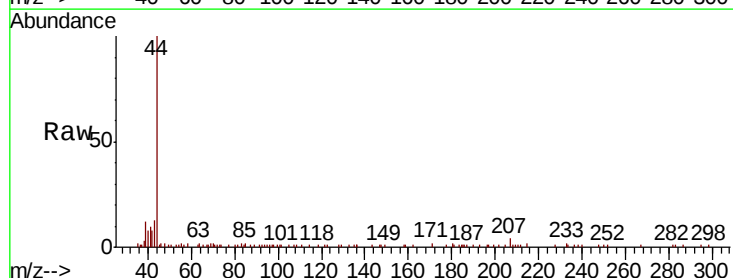
Acq: 4 Jun 2019 22:22

Tgt Ion: 85 Resp: 929

Ion Ratio Lower Upper

85 100

87 27.7 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

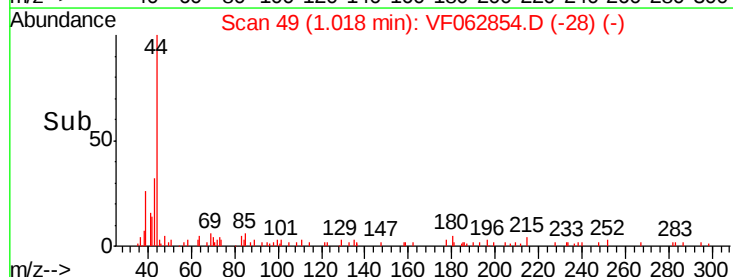
600

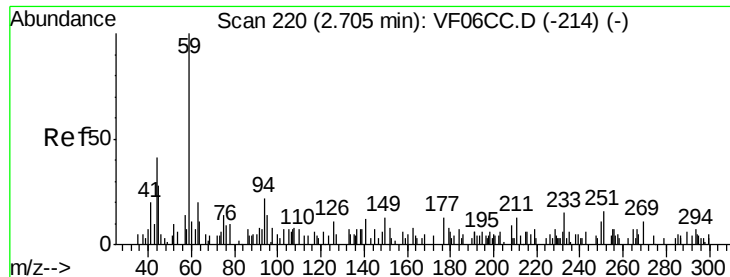
400

200

0

Time-->



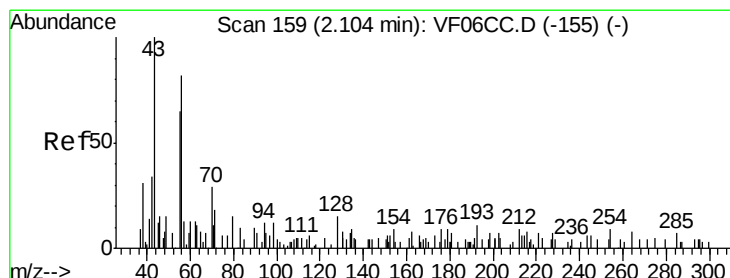
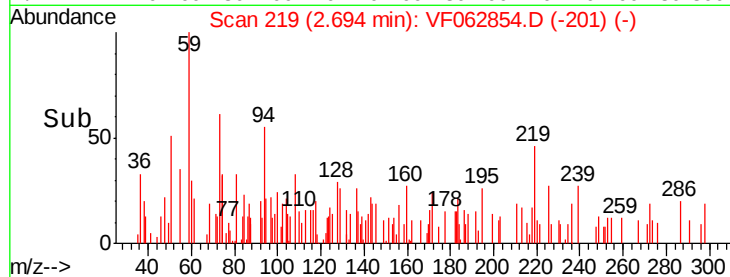
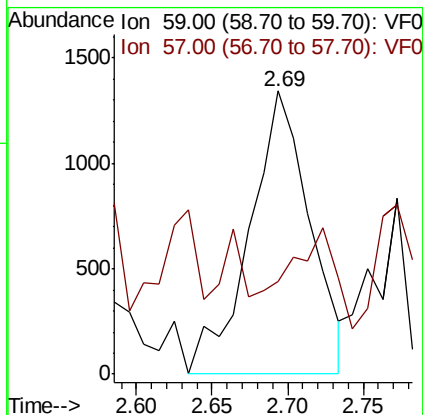
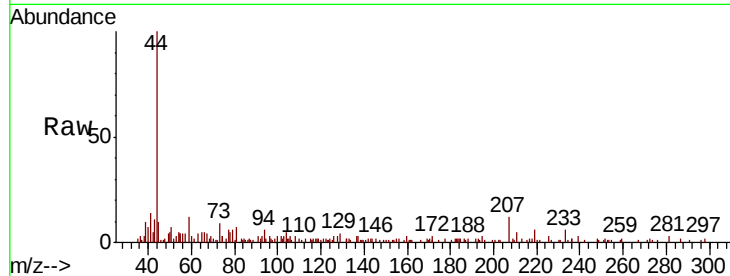


#11

Tert butvl alcohol
 Concen: 11.940 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VF062854.D
 Acq: 4 Jun 2019 22:22

Instrument :
 MSVOA_F
 ClientSampleId :

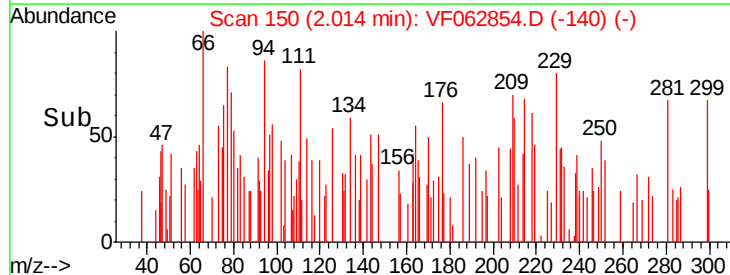
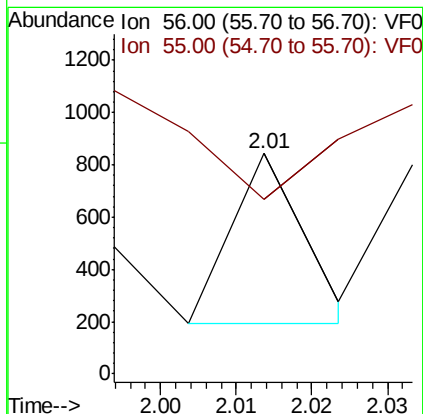
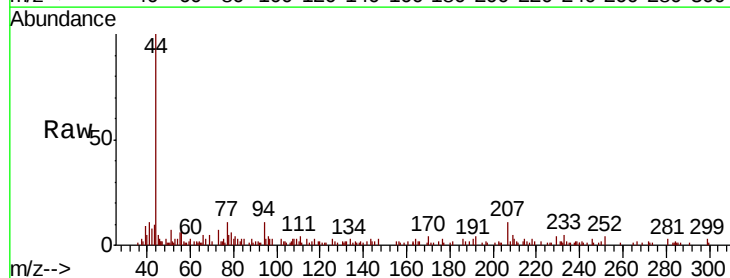
Tot Ion: 59 Resp: 3725
 Ion Ratio Lower Upper
 59 100
 57 32.5 9.2 13.8#

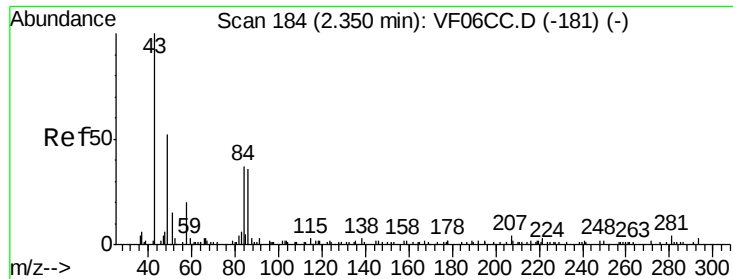


#13

Acrolein
 Concen: Below Cal
 RT: 2.01 min Scan# 150
 Delta R.T. -0.10 min
 Lab File: VF062854.D
 Acq: 4 Jun 2019 22:22

Tgt Ion: 56 Resp: 437
 Ion Ratio Lower Upper
 56 100
 55 79.1 52.9 79.3

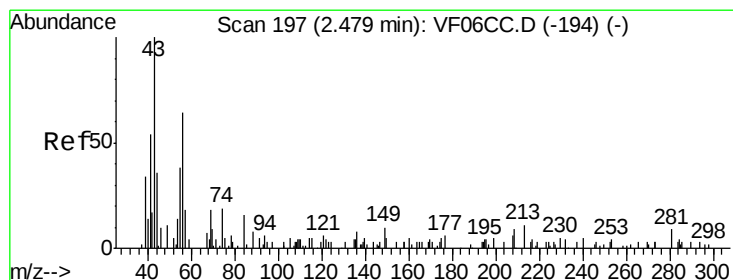
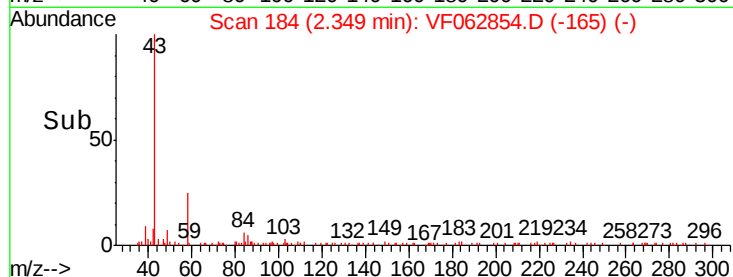
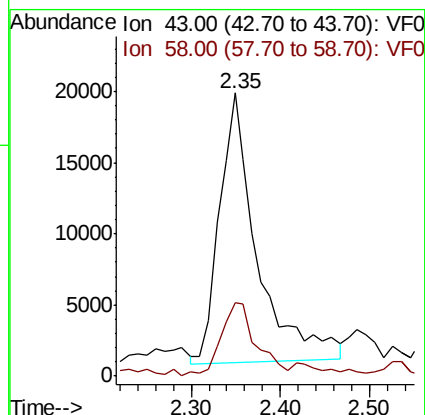
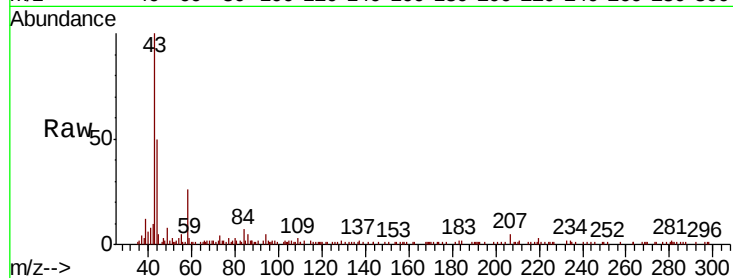




#16
Acetone
Concen: 47.425 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

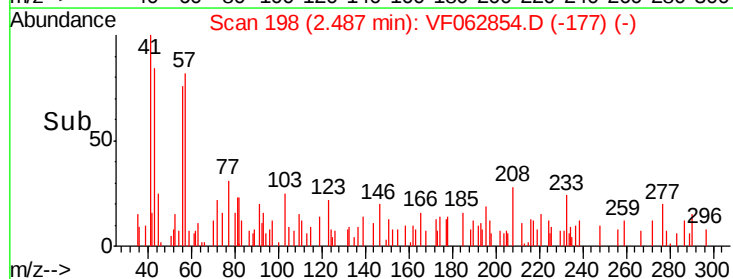
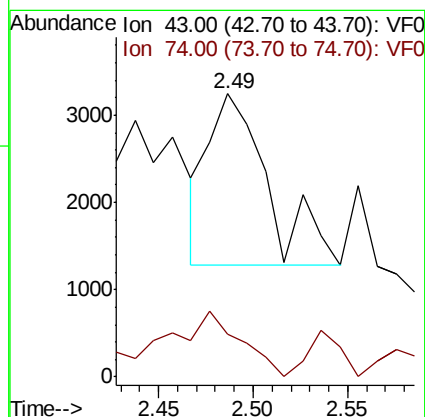
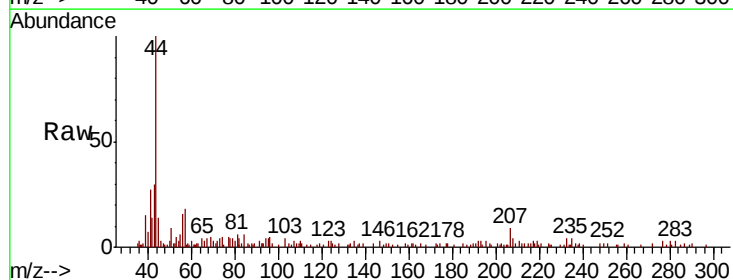
Instrument :
MSVOA_F
ClientSampleId :

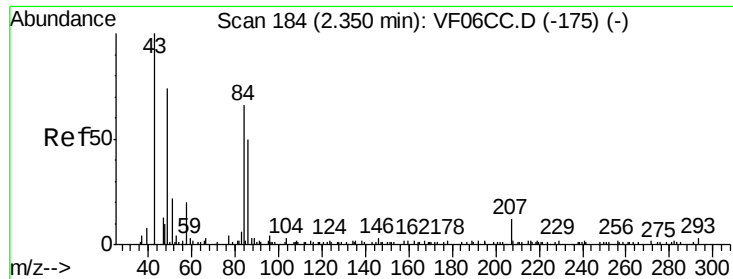
Tot Ion: 43 Resp: 55901
Ion Ratio Lower Upper
43 100
58 25.8 19.0 28.4



#18
Methyl Acetate
Concen: 2.078 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

Tgt Ion: 43 Resp: 4281
Ion Ratio Lower Upper
43 100
74 15.3 22.1 33.1#

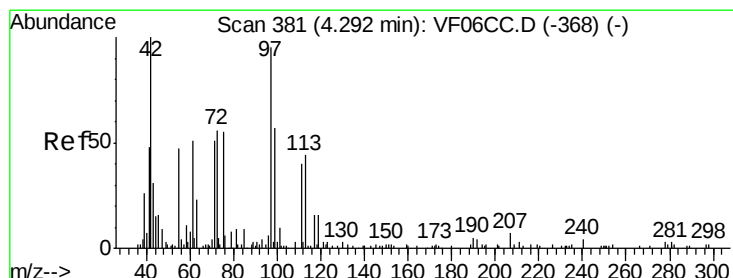
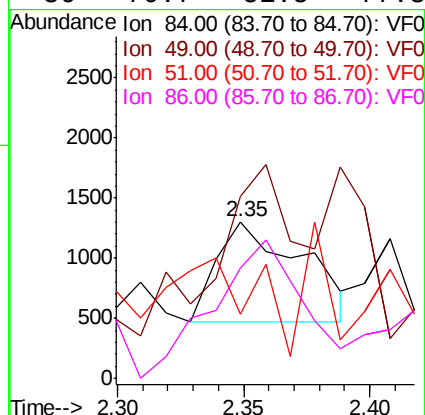
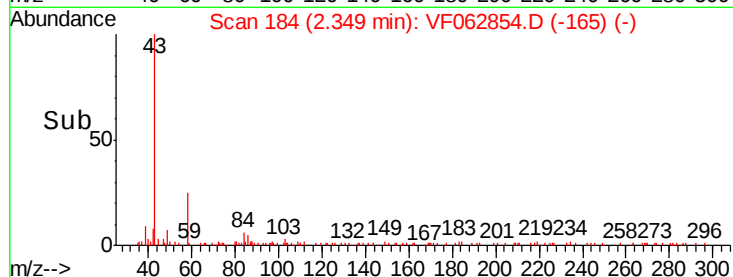
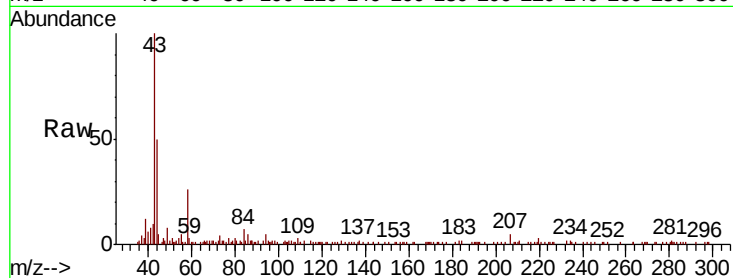




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

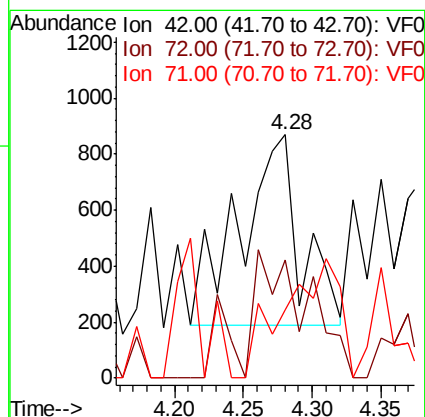
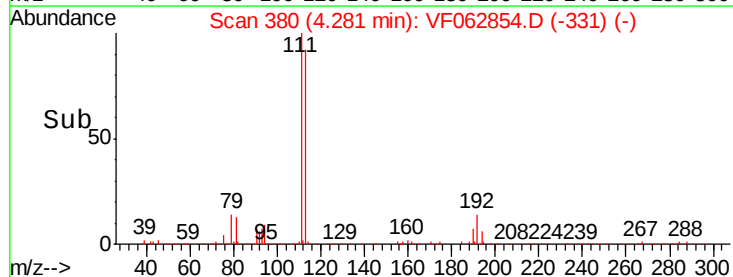
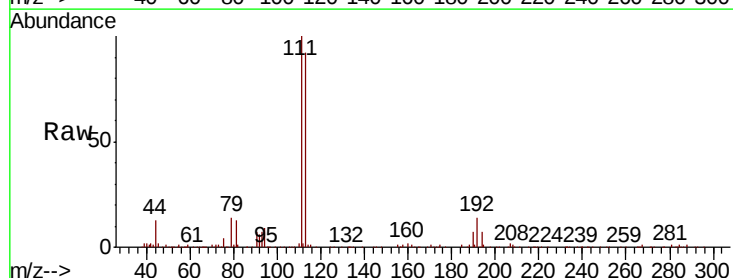
Instrument :
MSVOA_F
ClientSampled :

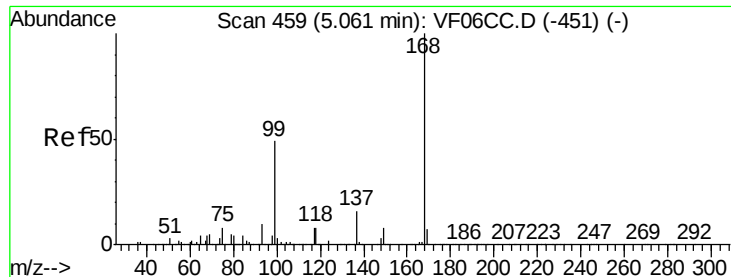
Tot Ion:	84	Resp:	1944
Ion	Ratio	Lower	Upper
84	100		
49	115.8	82.6	123.8
51	41.2	25.0	37.4#
86	70.7	51.5	77.3



#29
Tetrahydrofuran
Concen: 1.997 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

Tgt Ion:	42	Resp:	2097
Ion	Ratio	Lower	Upper
42	100		
72	57.2	39.0	58.6
71	0.0	36.9	55.3#

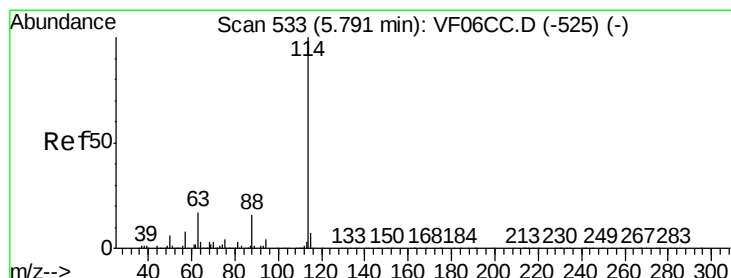
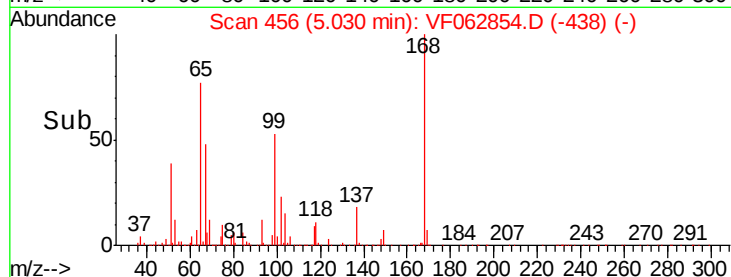
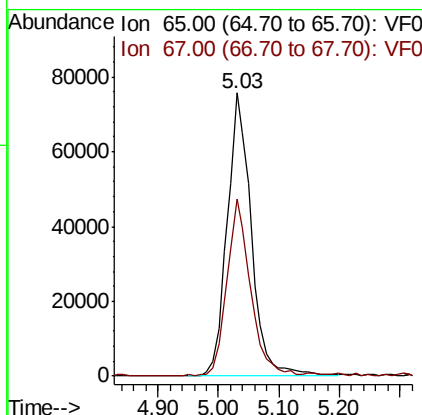
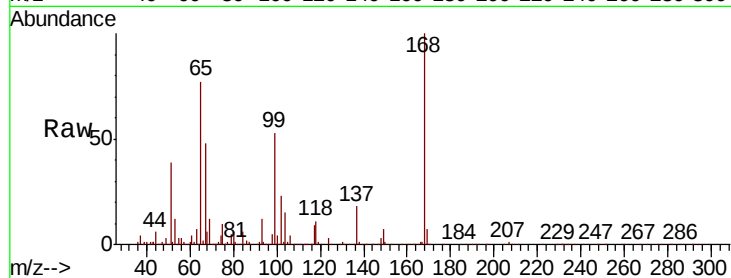




#33
 1,2-Dichloroethane-d4
 Concen: 40.427 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062854.D
 Acq: 4 Jun 2019 22:22

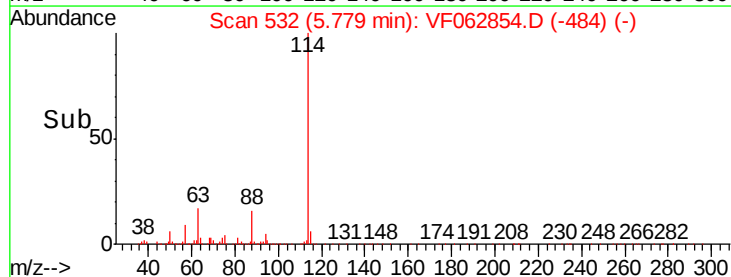
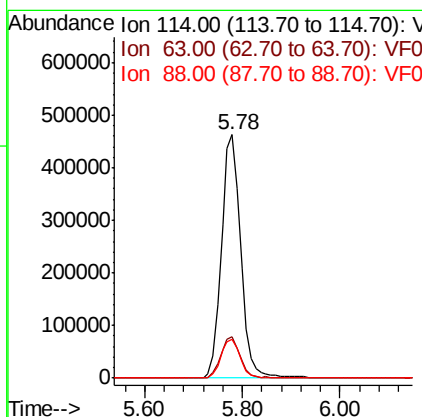
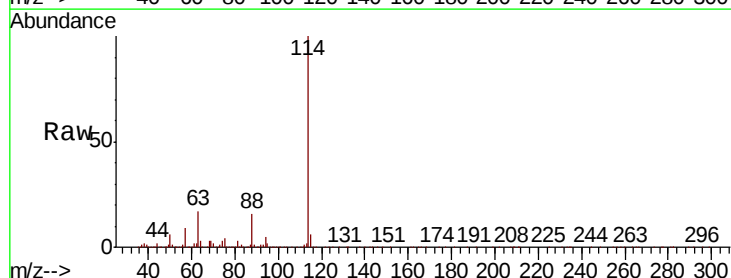
Instrument :
 MSVOA_F
 ClientSampleId :

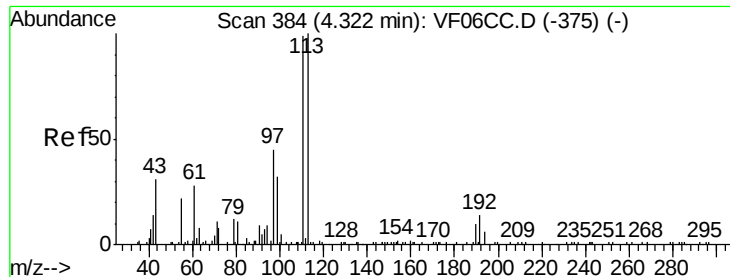
Tot Ion: 65 Resp: 208203
 Ion Ratio Lower Upper
 65 100
 67 62.4 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062854.D
 Acq: 4 Jun 2019 22:22

Tgt Ion: 114 Resp: 1279115
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.2
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 38.358 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062854.D

Acq: 4 Jun 2019 22:22

Instrument :
MSVOA_F
ClientSampleId :

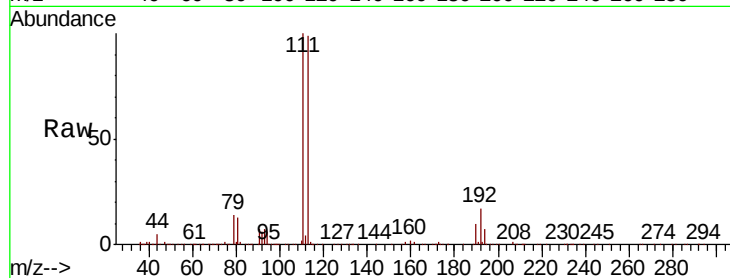
Tot Ion:113 Resp: 370751

Ion Ratio Lower Upper

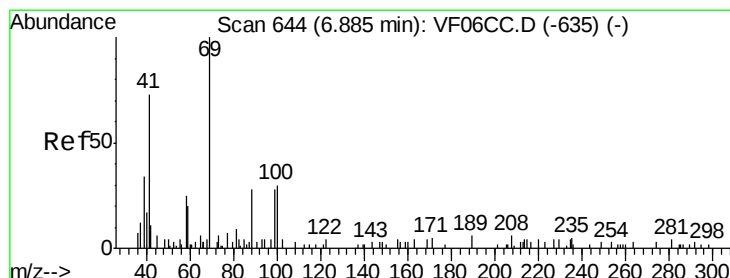
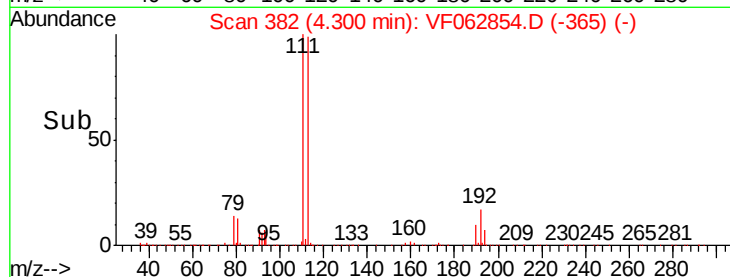
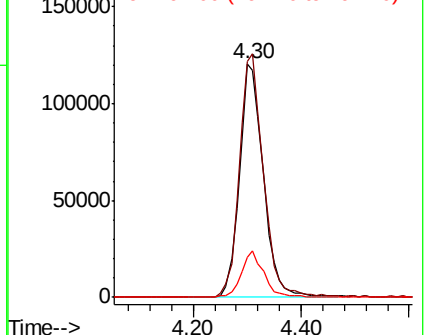
113 100

111 100.9 81.9 122.9

192 17.4 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#49

1,4-Dioxane

Concen: 2.104 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.04 min

Lab File: VF062854.D

Acq: 4 Jun 2019 22:22

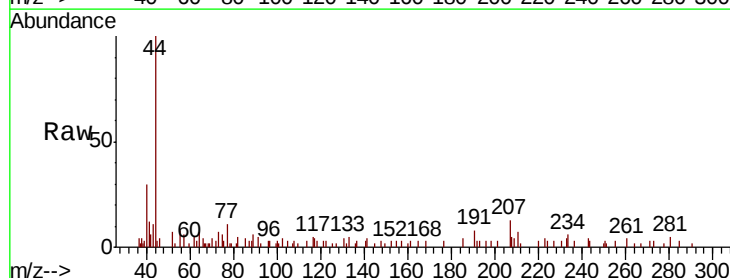
Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

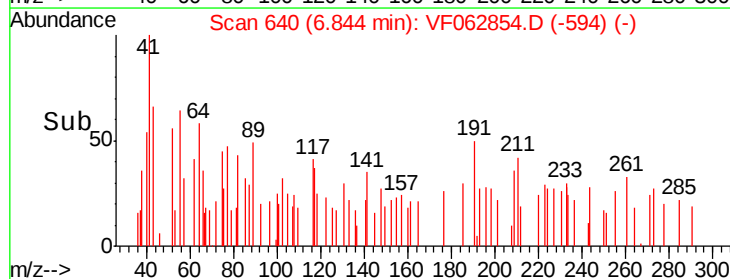
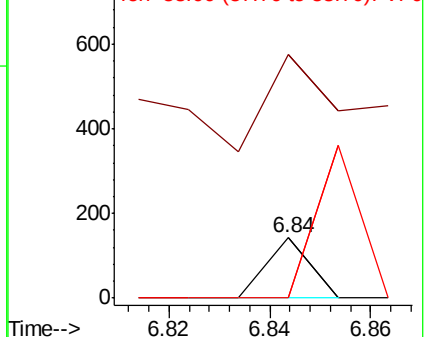
88 100

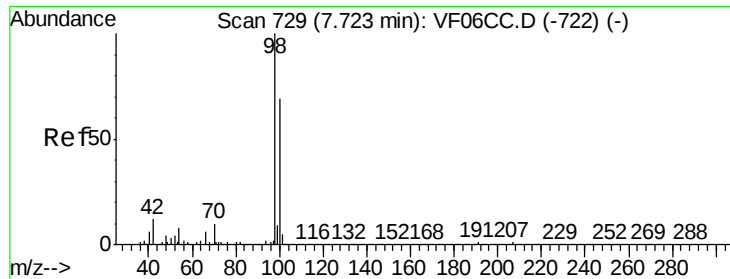
43 402.1 34.8 52.2#

58 0.0 59.9 89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

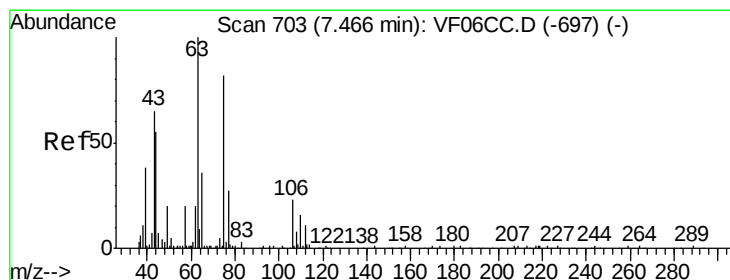
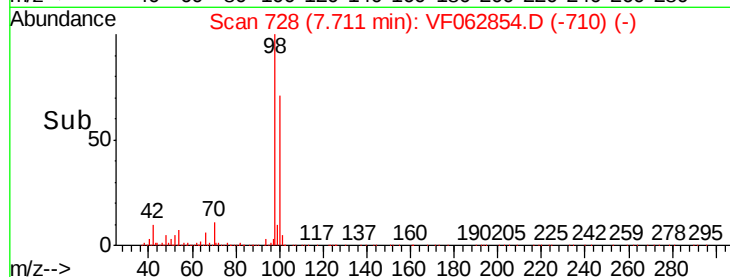
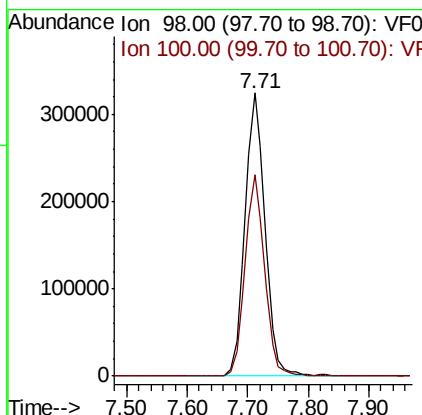
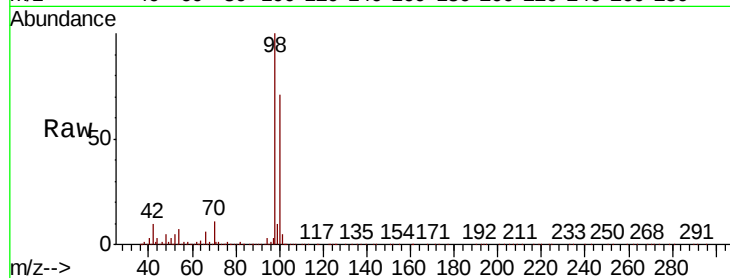




#50
Toluene-d8
Concen: 30.632 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

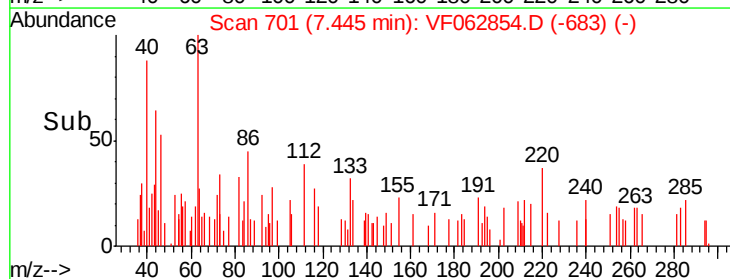
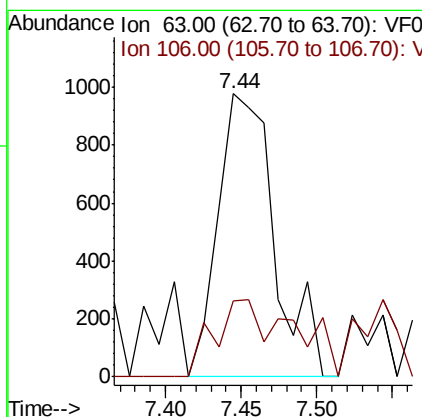
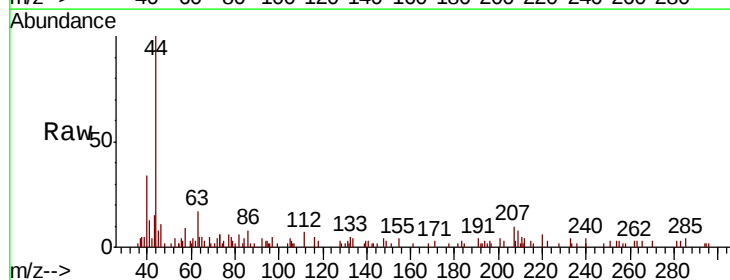
Instrument :
MSVOA_F
ClientSampleId :

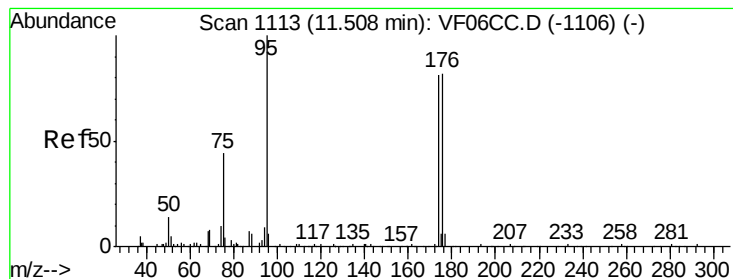
Tot Ion: 98 Resp: 748726
Ion Ratio Lower Upper
98 100
100 71.3 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.228 ug/l
RT: 7.44 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF062854.D
Acq: 4 Jun 2019 22:22

Tgt Ion: 63 Resp: 2539
Ion Ratio Lower Upper
63 100
106 26.9 19.5 29.3





#62

4-Bromofluorobenzene

Concen: 28.502 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062854.D

Acq: 4 Jun 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

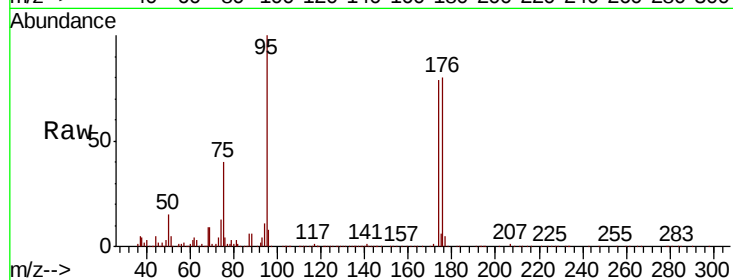
Tot Ion: 95 Resp: 250598

Ion Ratio Lower Upper

95 100

174 79.3 0.0 170.6

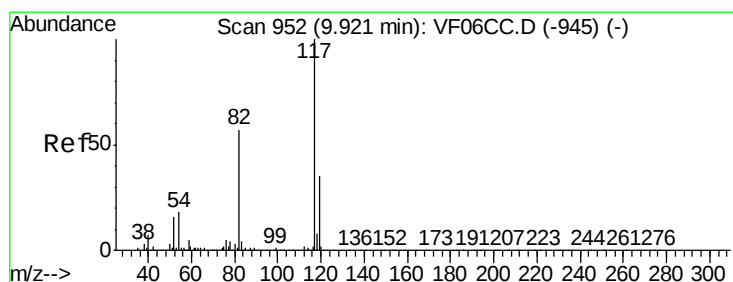
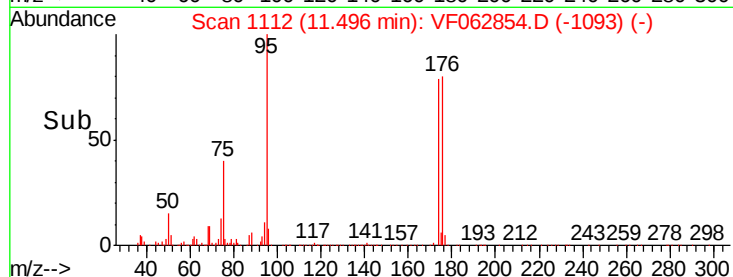
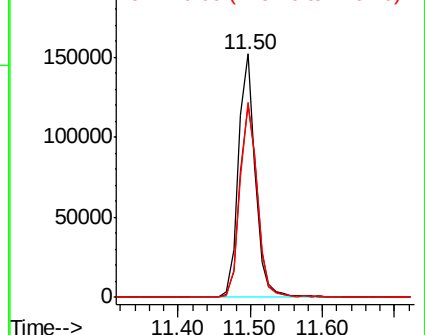
176 79.9 0.0 170.6



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: VF062854.D

Acq: 4 Jun 2019 22:22

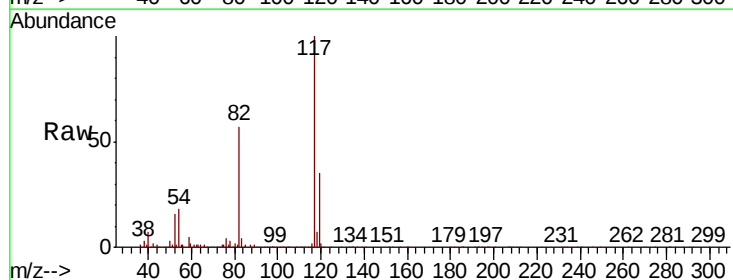
Tgt Ion: 117 Resp: 859982

Ion Ratio Lower Upper

117 100

82 57.3 42.4 63.6

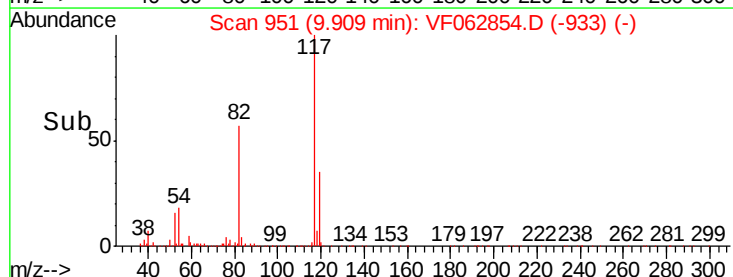
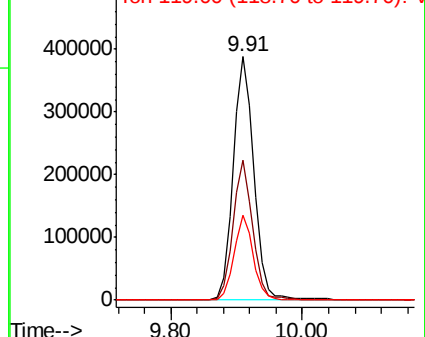
119 34.9 27.1 40.7

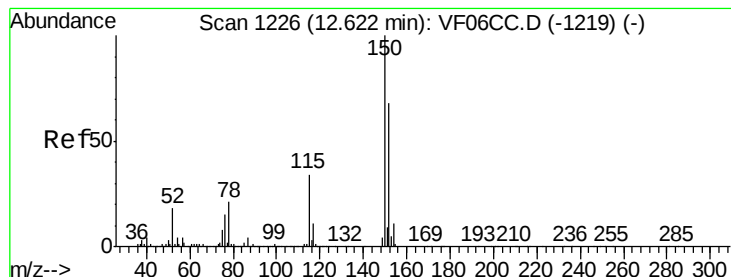


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: VF062854.D

Acq: 4 Jun 2019 22:22

Instrument :

MSVOA_F

ClientSampleId :

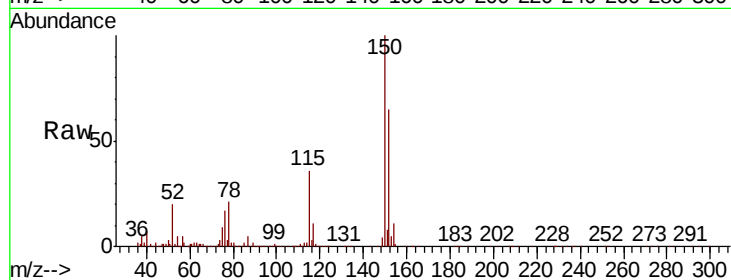
Tot Ion:152 Resp: 283343

Ion Ratio Lower Upper

152 100

115 54.8 24.6 74.0

150 152.8 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

