

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062852.D
 Acq On : 4 Jun 2019 21:25
 Operator : FY/SY
 Sample : K3151-01
 Misc : 4.45g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:24:58 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	684862	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1132198	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	581692	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	142318	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	170772	36.06	ug/l	-0.02
Spiked Amount			Recovery	=	72.12%	
35) Dibromofluoromethane	4.31	113	318263	37.20	ug/l	-0.03
Spiked Amount			Recovery	=	74.40%	
50) Toluene-d8	7.72	98	400556	18.51	ug/l	-0.02
Spiked Amount			Recovery	=	37.02%	
62) 4-Bromofluorobenzene	11.49	95	136929	17.59	ug/l	-0.02
Spiked Amount			Recovery	=	35.18%	

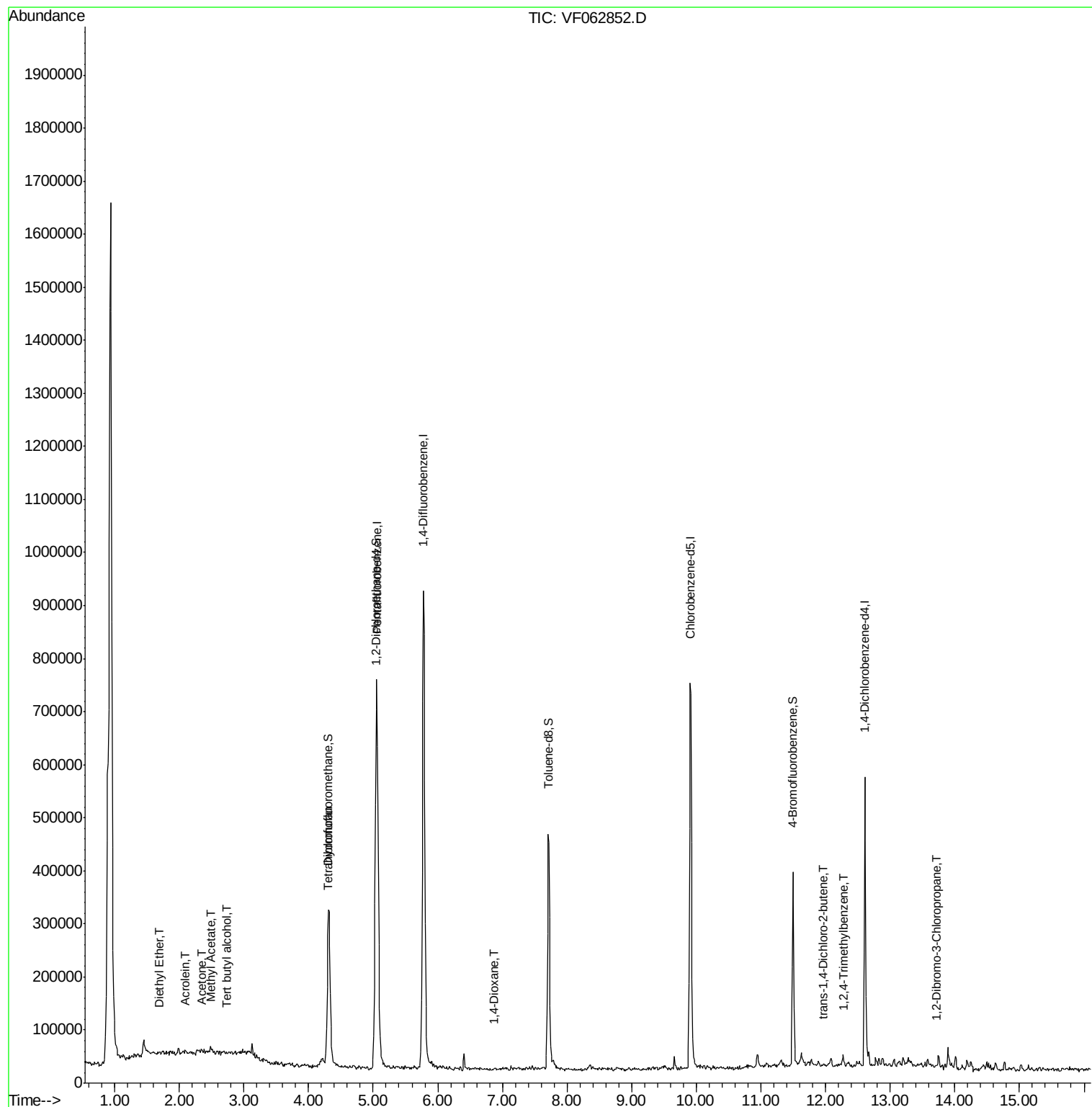
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.08	85	787	Below Cal		91
8) Diethyl Ether	1.71	74	2713	1.383	ug/l	92
11) Tert butyl alcohol	2.72	59	659	2.297	ug/l #	1
13) Acrolein	2.08	56	1623	6.181	ug/l	98
16) Acetone	2.36	43	2808	2.591	ug/l	96
18) Methyl Acetate	2.48	43	7490	3.954	ug/l #	66
20) Methylene Chloride	2.30	84	2197	Below Cal	#	79
29) Tetrahydrofuran	4.29	42	2010	2.082	ug/l #	65
49) 1,4-Dioxane	6.86	88	104	2.909	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.97	75	1003	1.685	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.27	105	8440	1.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	374	1.619	ug/l #	51

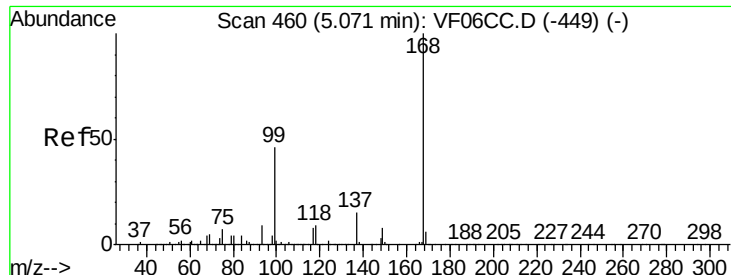
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VF062852.D

Acq: 4 Jun 2019 21:25

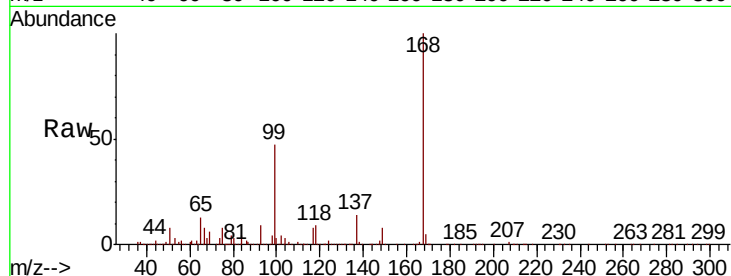
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 684862

Ion Ratio Lower Upper

168 100

99 46.9 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

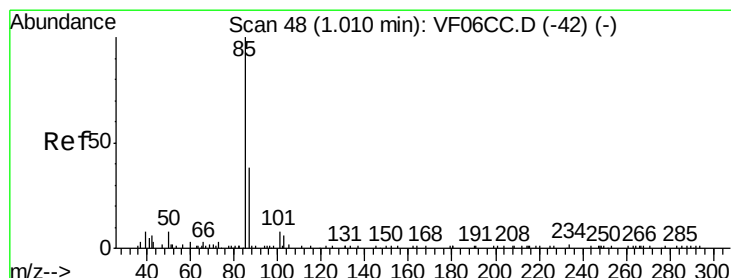
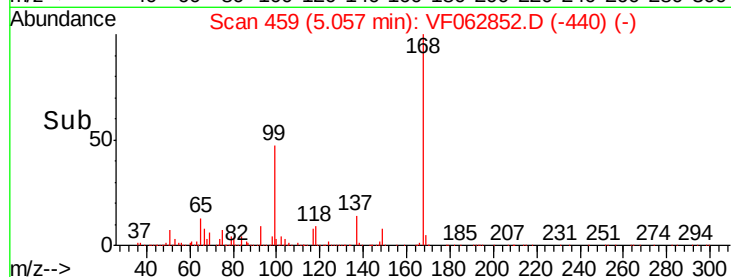
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.08 min Scan# 55

Delta R.T. 0.06 min

Lab File: VF062852.D

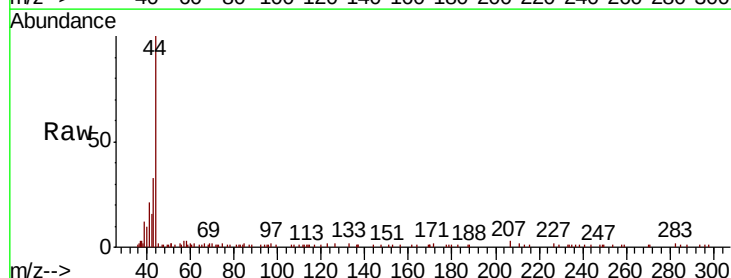
Acq: 4 Jun 2019 21:25

Tgt Ion: 85 Resp: 787

Ion Ratio Lower Upper

85 100

87 30.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.08

400

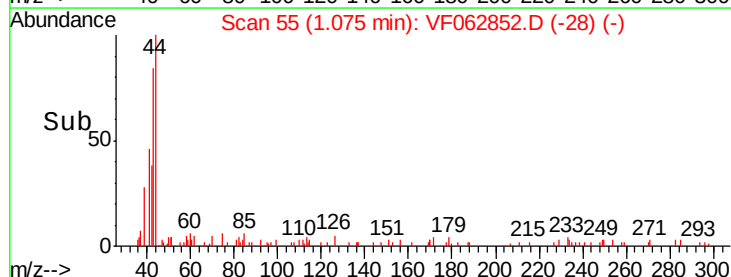
300

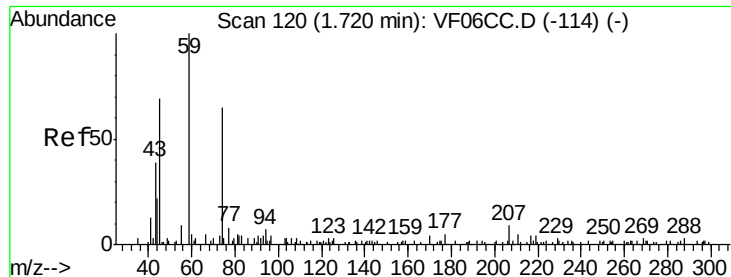
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.383 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.02 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

Instrument :

MSVOA_F

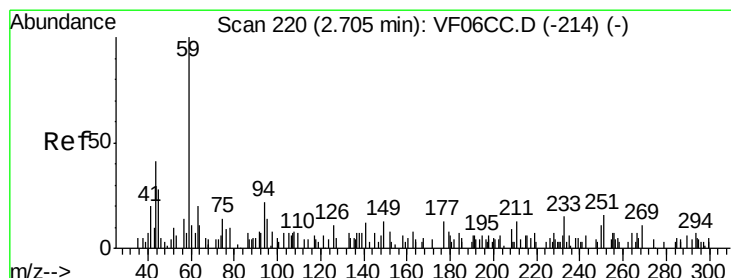
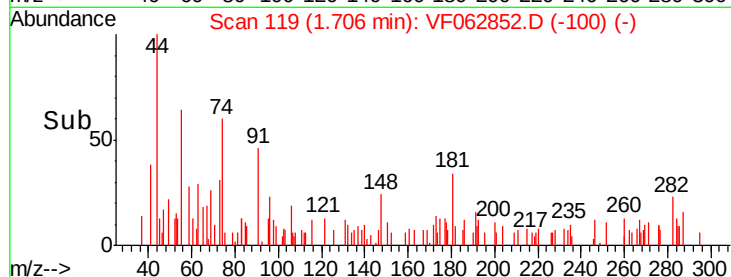
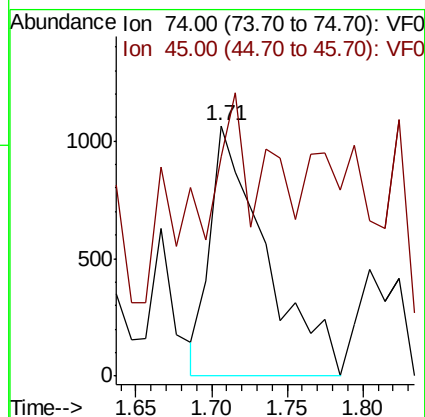
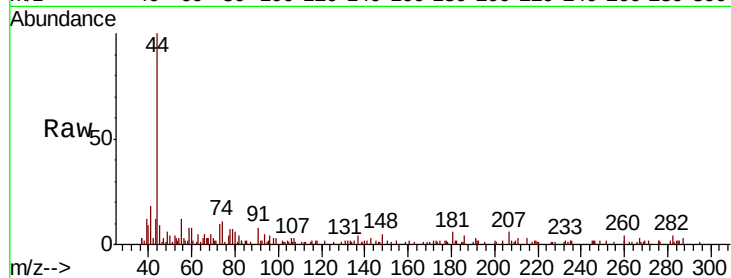
ClientSampled :

Tot Ion: 74 Resp: 2713

Ion Ratio Lower Upper

74 100

45 87.7 47.5 142.5



#11

Tert butyl alcohol

Concen: 2.297 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.00 min

Lab File: VF062852.D

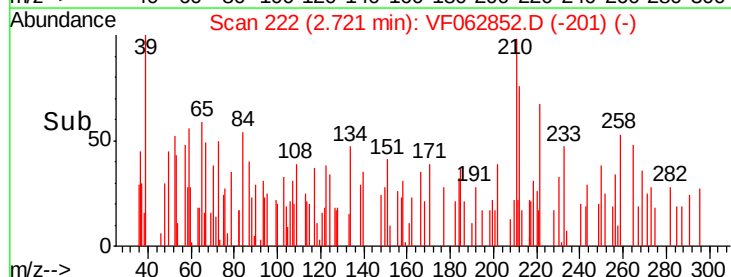
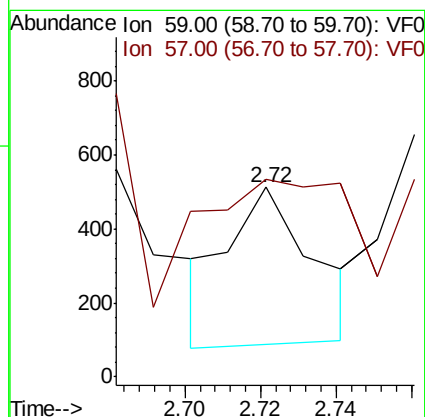
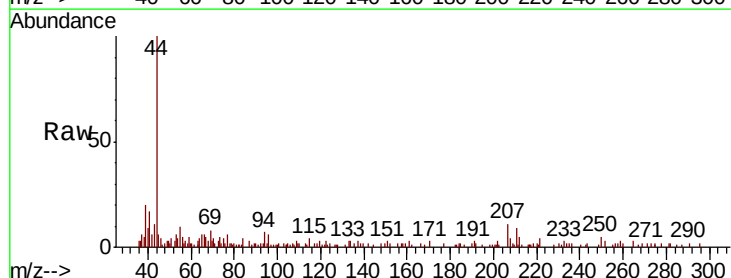
Acq: 4 Jun 2019 21:25

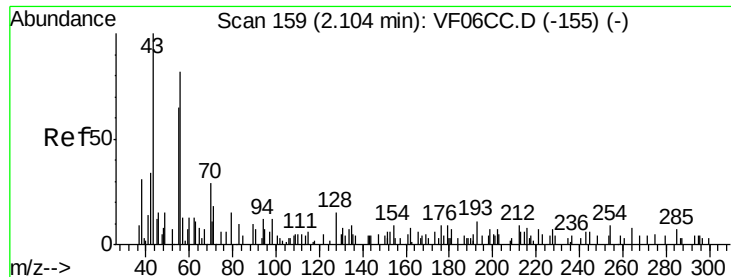
Tgt Ion: 59 Resp: 659

Ion Ratio Lower Upper

59 100

57 104.3 9.2 13.8#

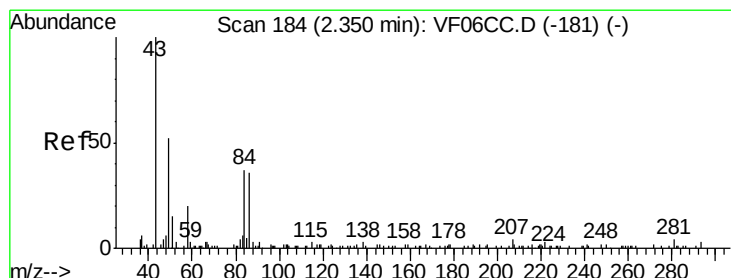
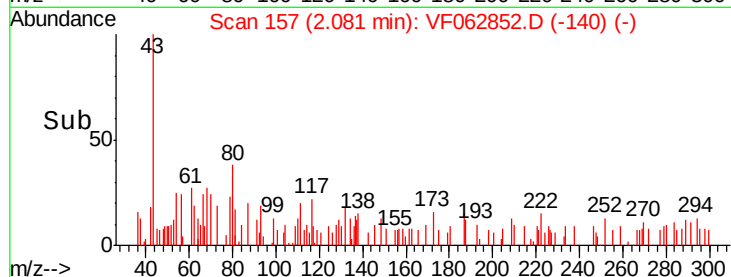
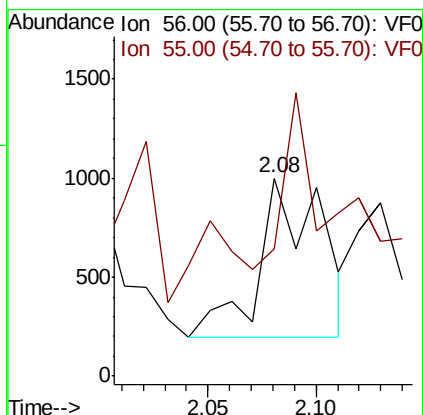
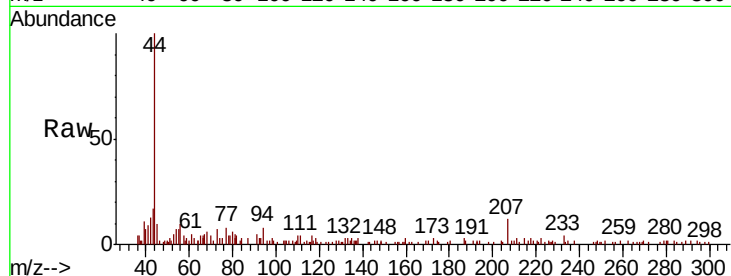




#13
Acrolein
Concen: 6.181 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.03 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

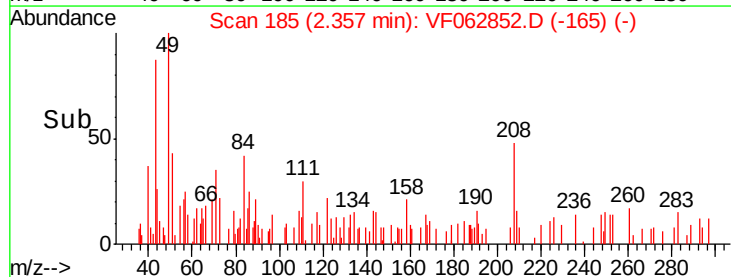
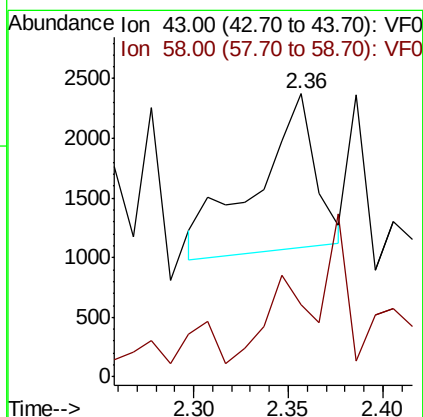
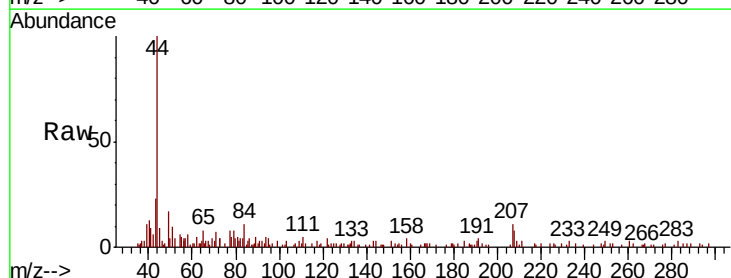
Instrument :
MSVOA_F
ClientSampled :

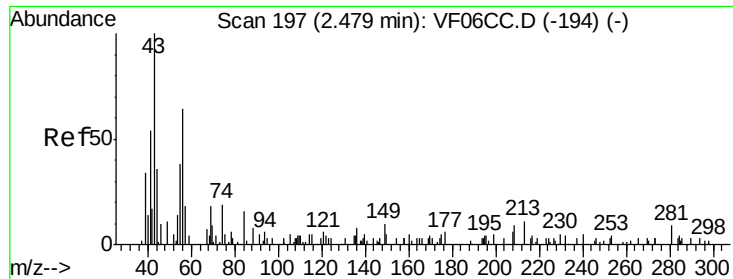
Tot Ion: 56 Resp: 1623
Ion Ratio Lower Upper
56 100
55 64.3 52.9 79.3



#16
Acetone
Concen: 2.591 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
58 25.7 19.0 28.4

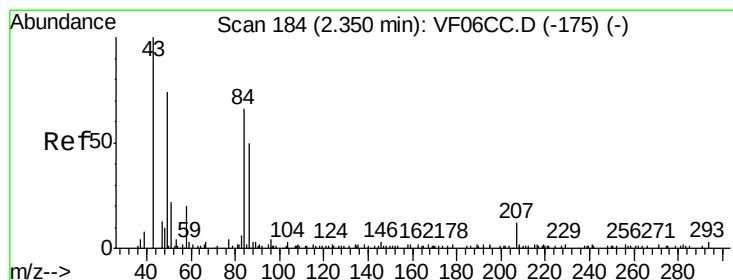
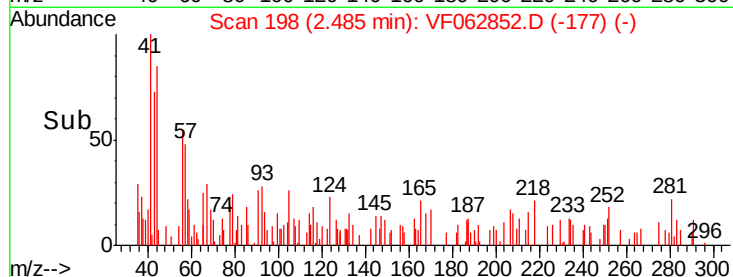
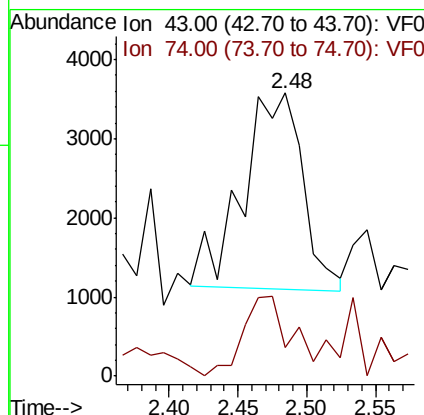
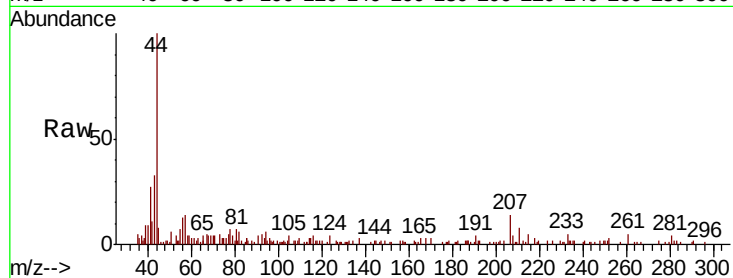




#18
Methyl Acetate
Concen: 3.954 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

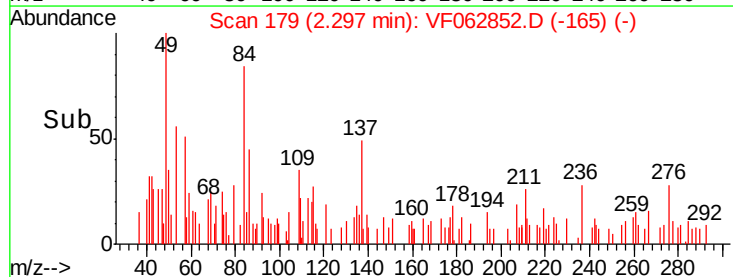
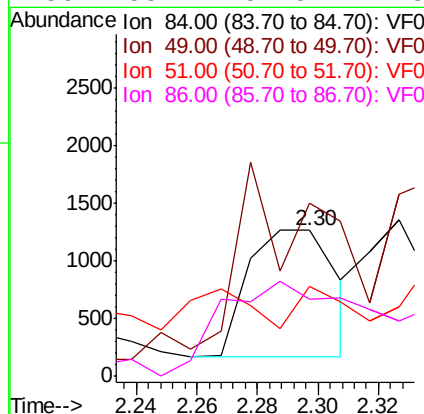
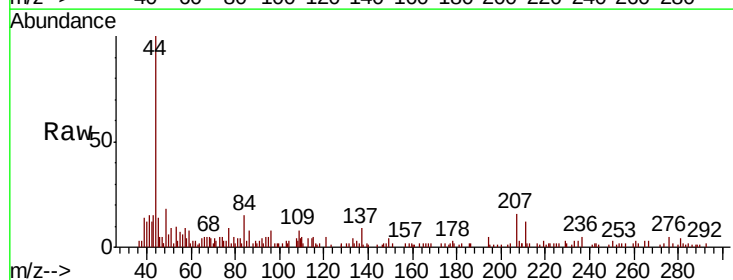
Instrument :
MSVOA_F
ClientSampled :

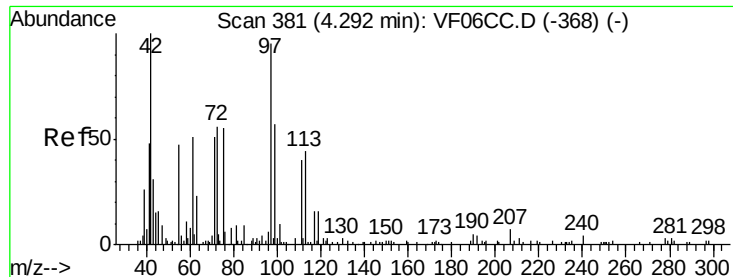
Tot Ion: 43 Resp: 7490
Ion Ratio Lower Upper
43 100
74 10.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

Tgt Ion: 84 Resp: 2197
Ion Ratio Lower Upper
84 100
49 118.5 82.6 123.8
51 61.8 25.0 37.4#
86 53.1 51.5 77.3





#29

Tetrahydrofuran

Concen: 2.082 ug/l

RT: 4.29 min Scan# 381

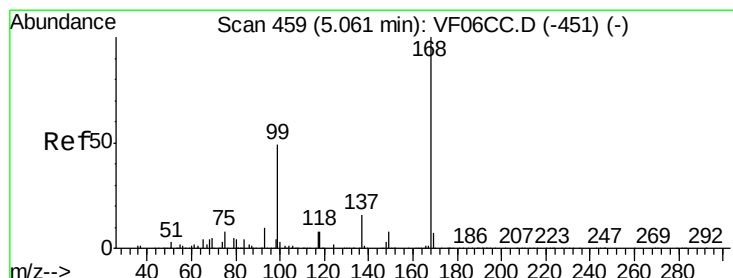
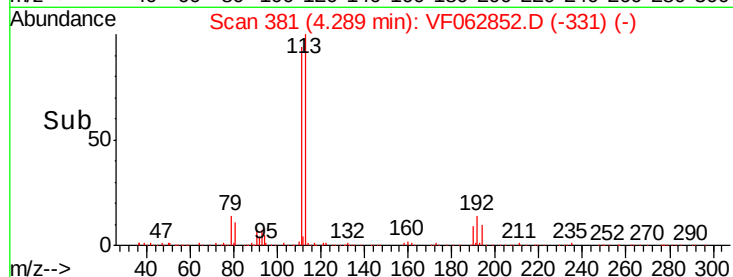
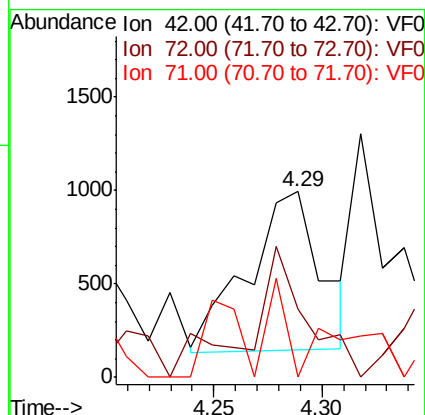
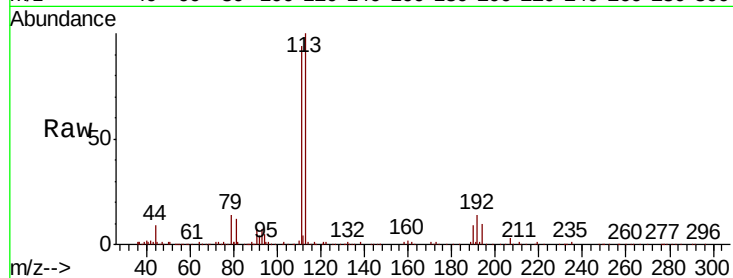
Delta R.T. -0.01 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	2010
Ion	Ratio	Lower	Upper
42	100		
72	65.0	39.0	58.6#
71	15.6	36.9	55.3#



#33

1,2-Dichloroethane-d4

Concen: 36.059 ug/l

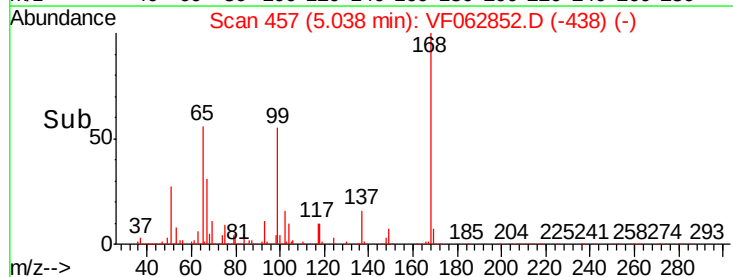
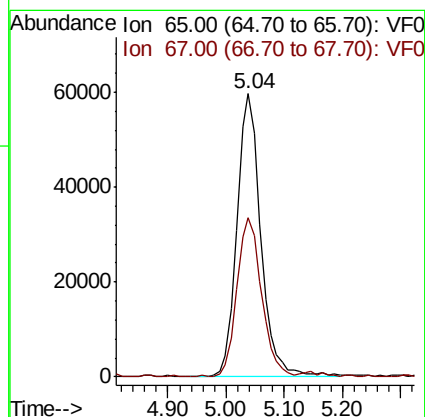
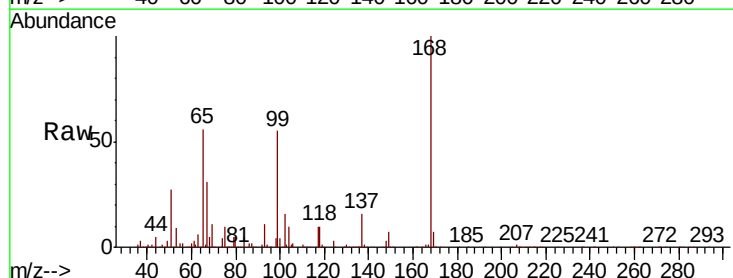
RT: 5.04 min Scan# 457

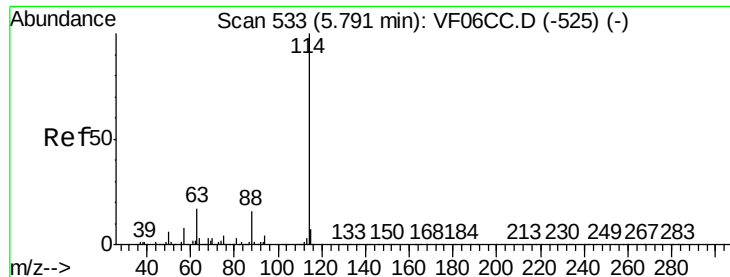
Delta R.T. -0.02 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

Tgt Ion:	65	Resp:	170772
Ion	Ratio	Lower	Upper
65	100		
67	56.4	0.0	121.2

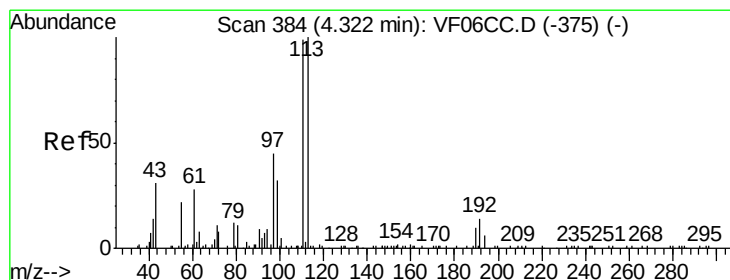
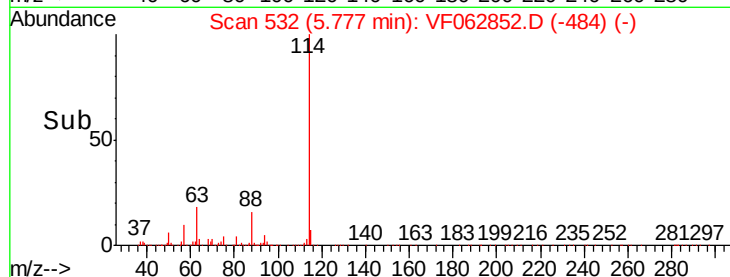
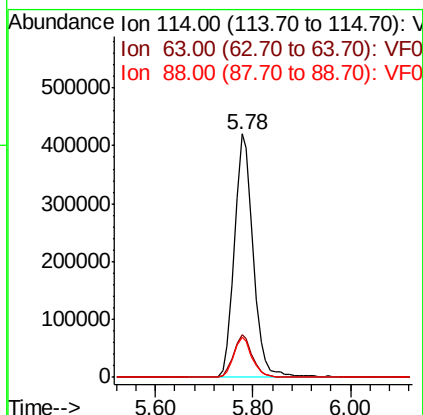
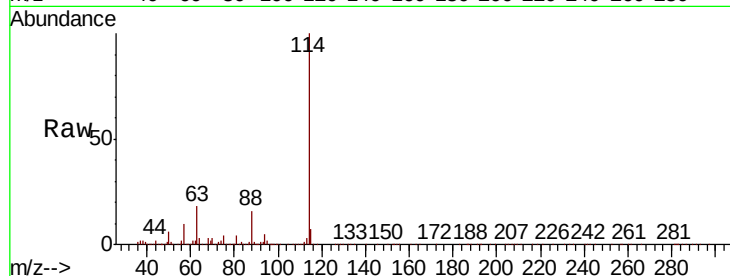




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.03 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

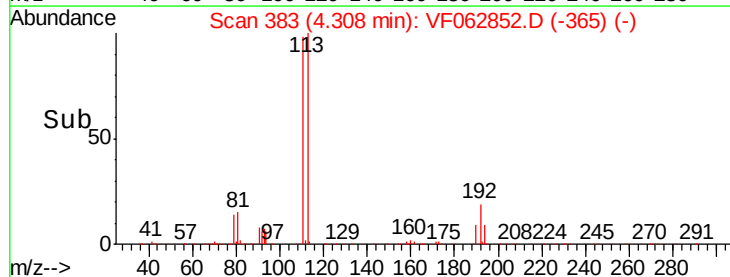
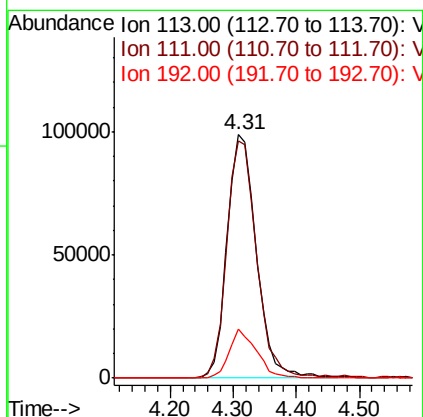
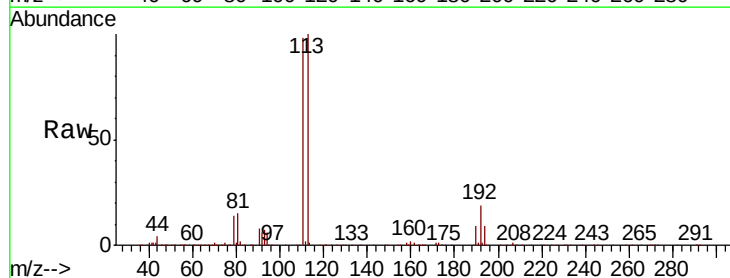
Instrument :
MSVOA_F
ClientSampleId :

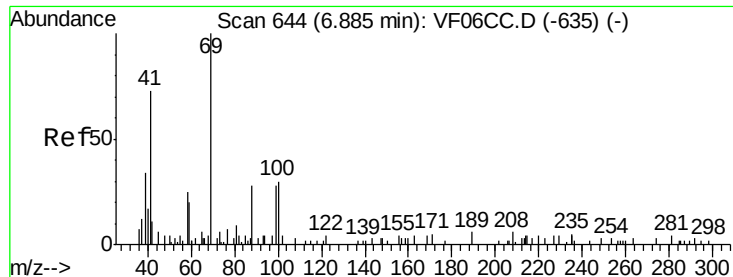
Tot Ion:114 Resp: 1132198
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.2
88 16.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 37.200 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

Tgt Ion:113 Resp: 318263
Ion Ratio Lower Upper
113 100
111 99.5 81.9 122.9
192 20.0 15.1 22.7





#49

1,4-Dioxane

Concen: 2.909 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

Instrument :
MSVOA_F
ClientSampleId :

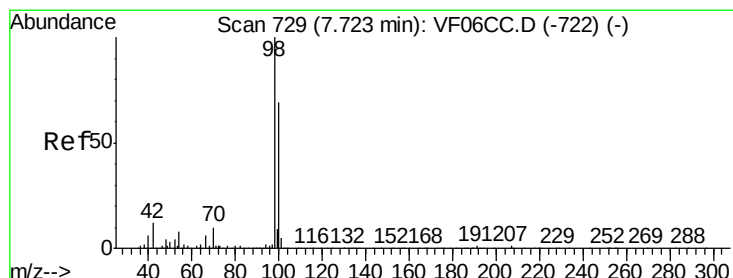
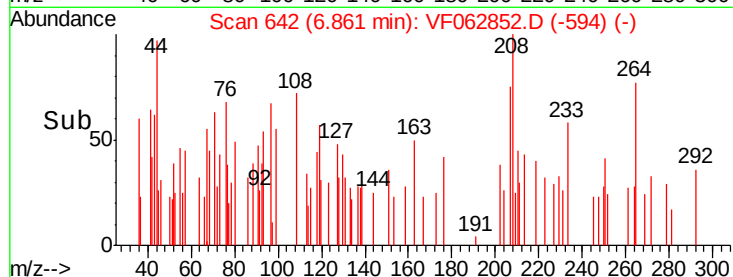
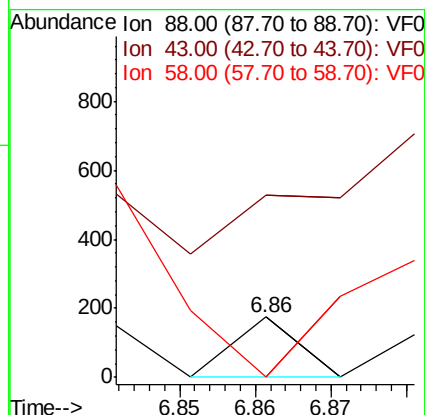
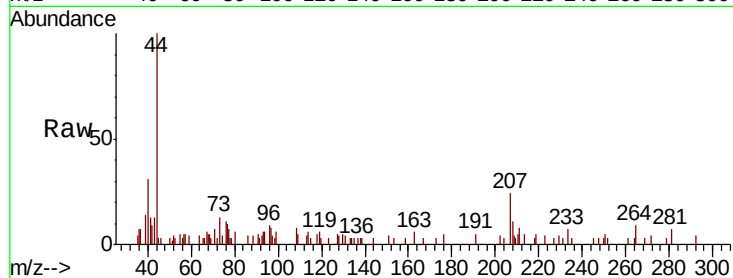
Tot Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 302.3 34.8 52.2#

58 0.0 59.9 89.9#



#50

Toluene-d8

Concen: 18.514 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062852.D

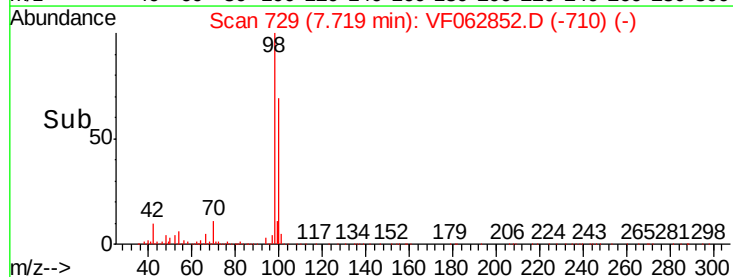
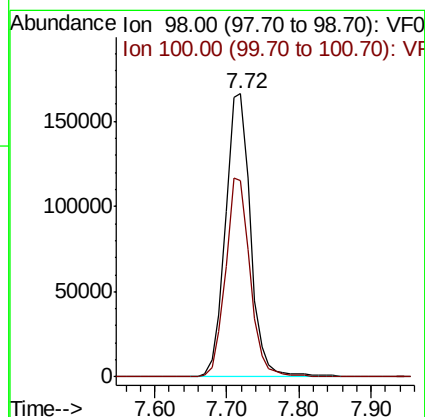
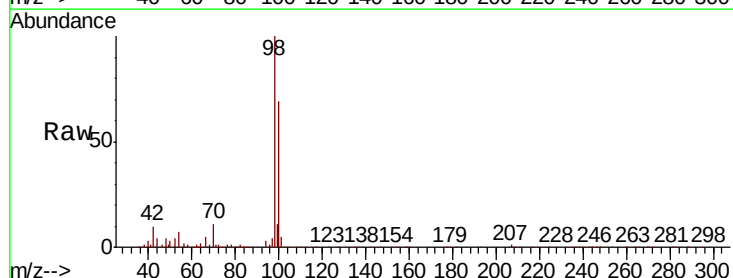
Acq: 4 Jun 2019 21:25

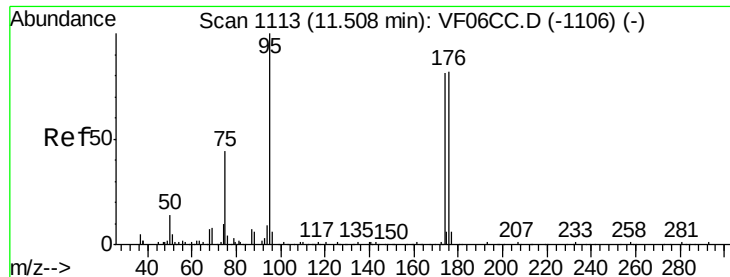
Tgt Ion: 98 Resp: 400556

Ion Ratio Lower Upper

98 100

100 69.3 59.8 89.8





#62

4-Bromofluorobenzene

Concen: 17.595 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

Instrument :

MSVOA_F

ClientSampled :

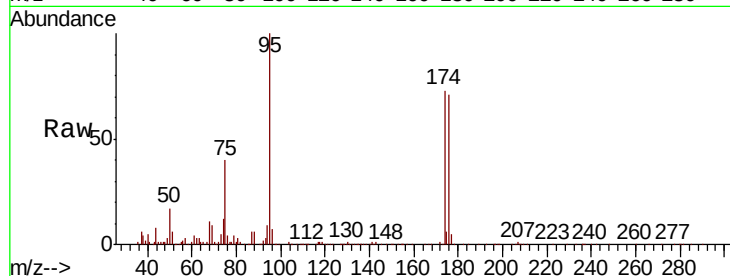
Tot Ion: 95 Resp: 136929

Ion Ratio Lower Upper

95 100

174 72.8 0.0 170.6

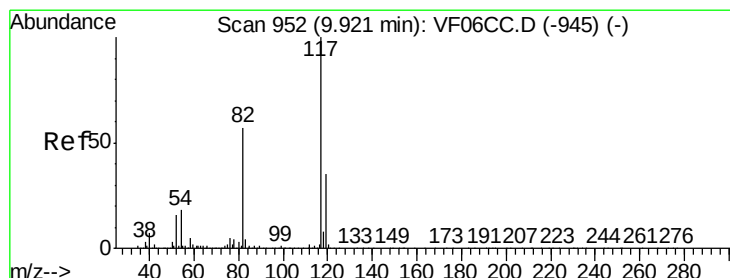
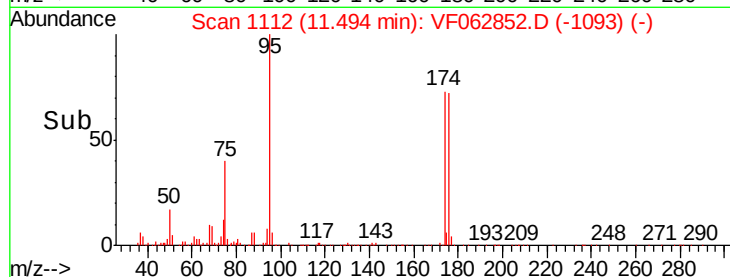
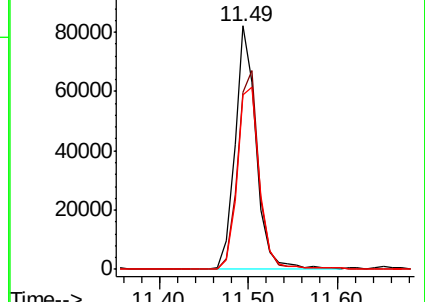
176 71.4 0.0 170.6



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. -0.03 min

Lab File: VF062852.D

Acq: 4 Jun 2019 21:25

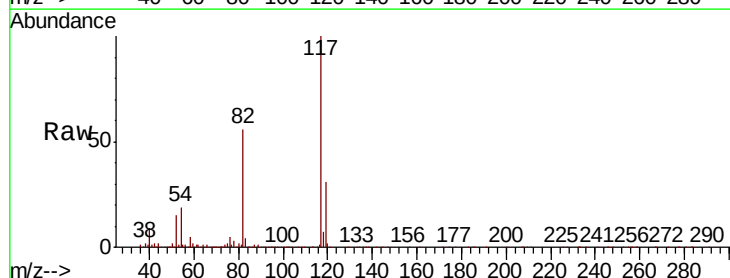
Tgt Ion: 117 Resp: 581692

Ion Ratio Lower Upper

117 100

82 55.7 42.4 63.6

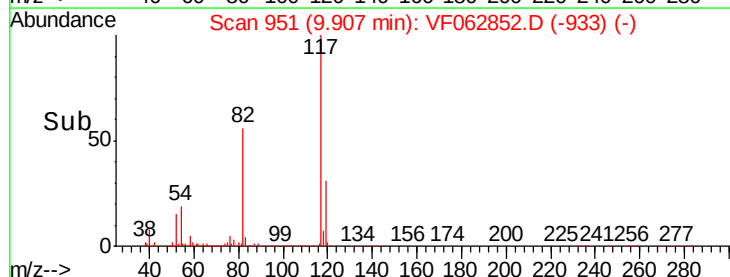
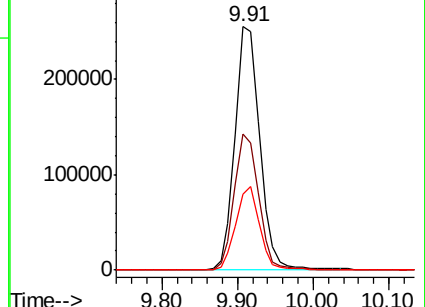
119 30.9 27.1 40.7

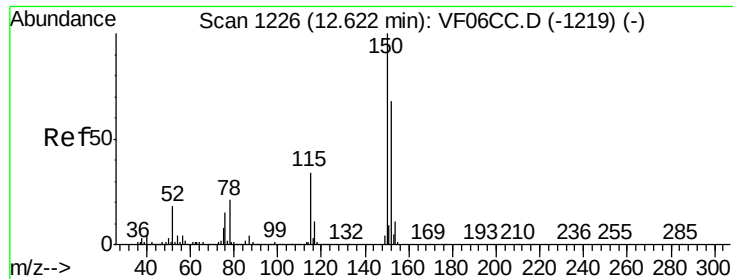


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



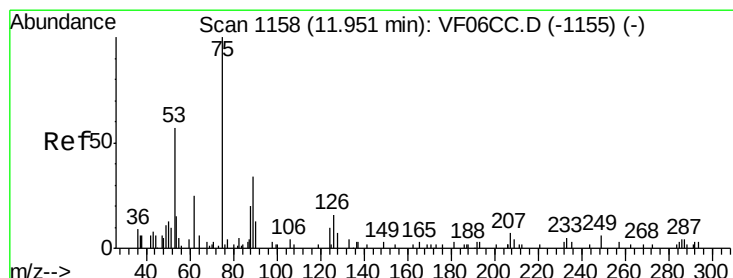
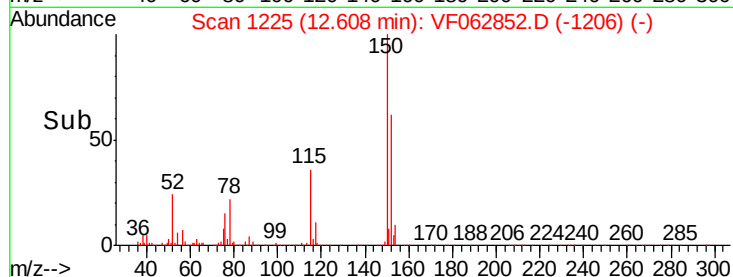
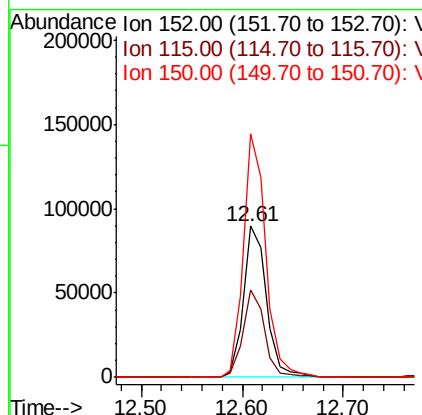
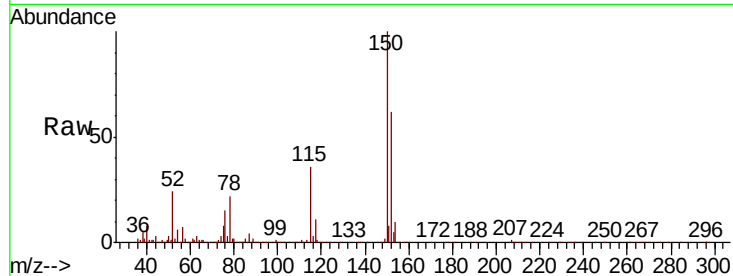


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

Instrument :
MSVOA_F
ClientSampleId :

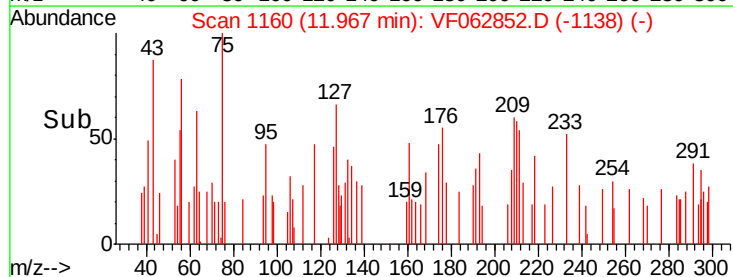
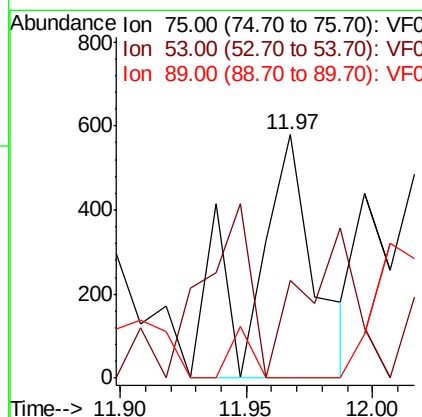
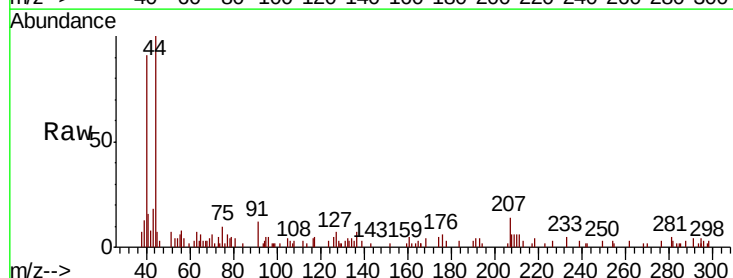
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	24.6	74.0
150	161.2	0.0	290.6

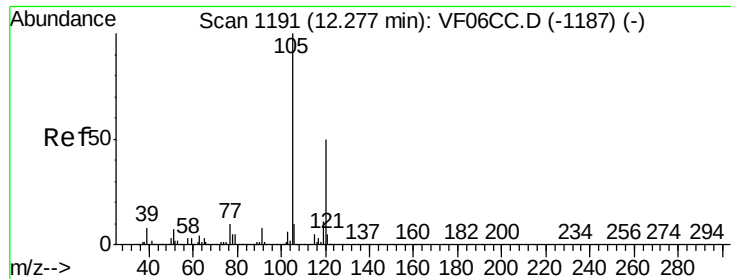


#81

trans-1,4-Dichloro-2-butene
Concen: 1.685 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VF062852.D
Acq: 4 Jun 2019 21:25

Tgt Ion	Ratio	Lower	Upper
75	100		
53	40.1	43.5	65.3#
89	0.0	34.3	51.5#

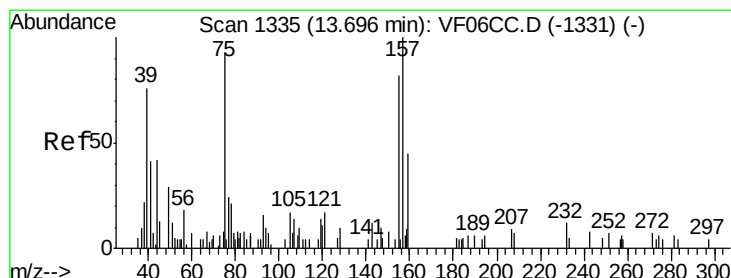
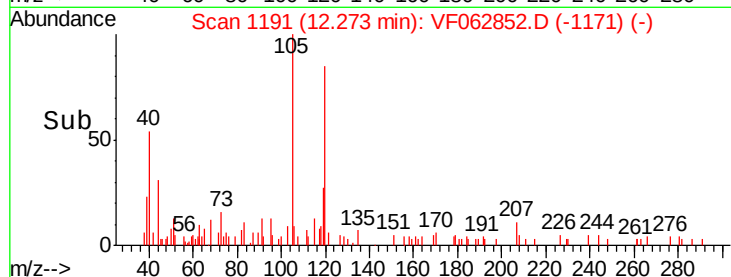
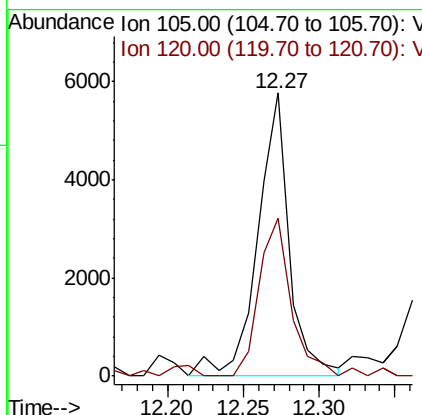
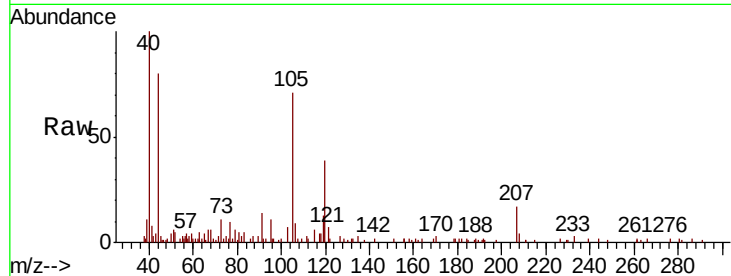




#84
 1,2,4-Trimethylbenzene
 Concen: 1.096 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF062852.D
 Acq: 4 Jun 2019 21:25

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:105 Resp: 8440
 Ion Ratio Lower Upper
 105 100
 120 55.8 27.1 81.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.619 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062852.D
 Acq: 4 Jun 2019 21:25

Tgt Ion: 75 Resp: 374
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.7 155.1#
 157 124.1 66.8 200.6

