

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062865.D
 Acq On : 5 Jun 2019 15:10
 Operator : FY/SY
 Sample : K3151-05RE
 Misc : 5.12g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:01:26 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	700649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1195998	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	895449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	248026	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	221302	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	
35) Dibromofluoromethane	4.33	113	387371	42.86	ug/l	0.00
Spiked Amount			Recovery	=	85.72%	
50) Toluene-d8	7.72	98	781618	34.20	ug/l	-0.01
Spiked Amount			Recovery	=	68.40%	
62) 4-Bromofluorobenzene	11.51	95	254723	30.99	ug/l	0.00
Spiked Amount			Recovery	=	61.98%	

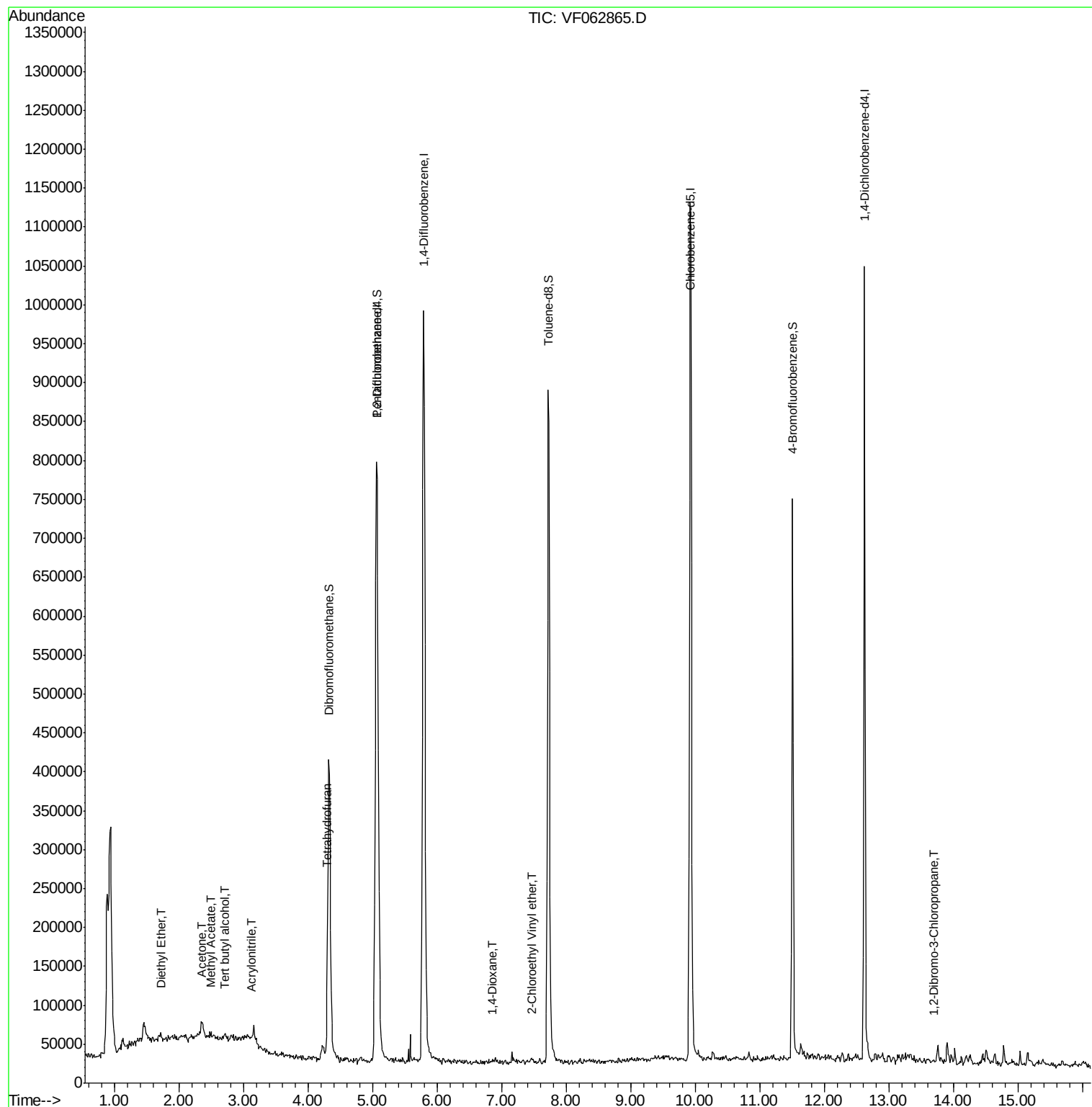
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	1280	Below Cal		92
8) Diethyl Ether	1.73	74	2264	1.128	ug/l	87
11) Tert butyl alcohol	2.71	59	1453	4.950	ug/l #	1
13) Acrolein	1.98	56	784	Below Cal		87
15) Acrylonitrile	3.12	53	2831	2.567	ug/l #	46
16) Acetone	2.36	43	29930	26.990	ug/l	98
18) Methyl Acetate	2.50	43	9012	4.651	ug/l #	69
20) Methylene Chloride	2.34	84	8930	Below Cal	#	85
29) Tetrahydrofuran	4.29	42	1334	1.351	ug/l	90
49) 1,4-Dioxane	6.86	88	243	6.434	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.48	63	2691	1.392	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	411	1.021	ug/l #	1

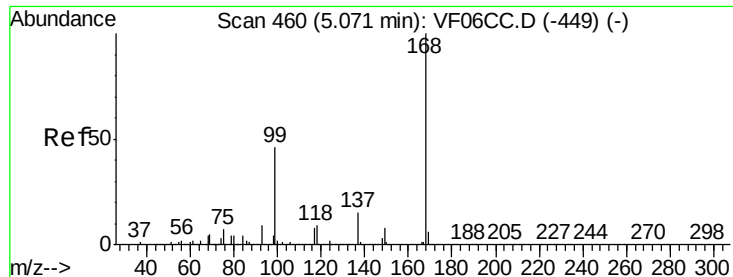
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062865.D

Acq: 5 Jun 2019 15:10

Instrument :

MSVOA_F

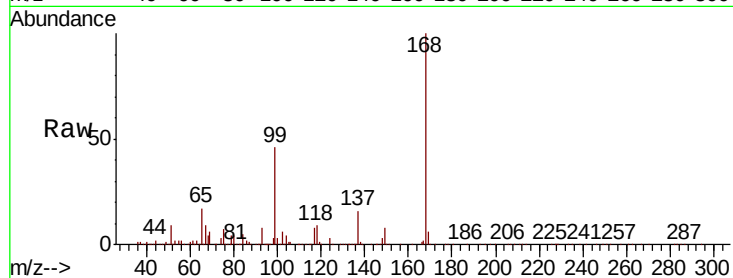
ClientSampleId :

Tot Ion:168 Resp: 700649

Ion Ratio Lower Upper

168 100

99 46.0 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

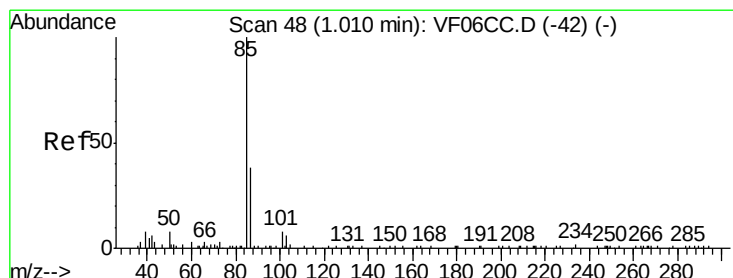
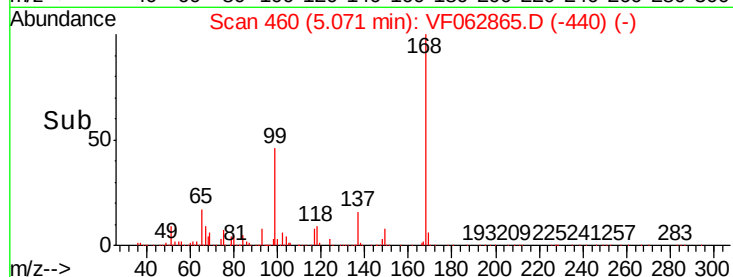
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.04 min

Lab File: VF062865.D

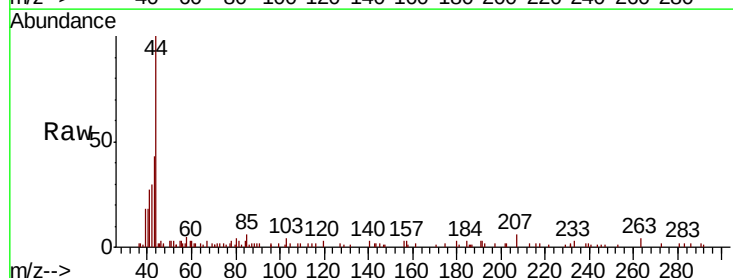
Acq: 5 Jun 2019 15:10

Tgt Ion: 85 Resp: 1280

Ion Ratio Lower Upper

85 100

87 40.0 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.05

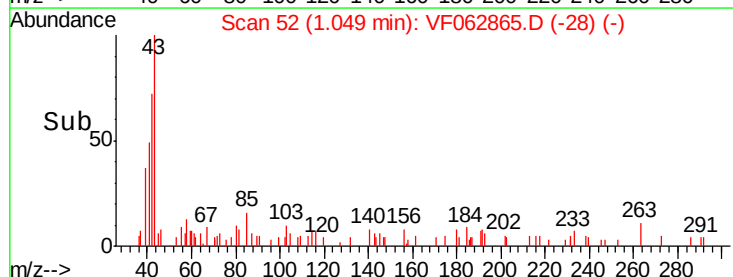
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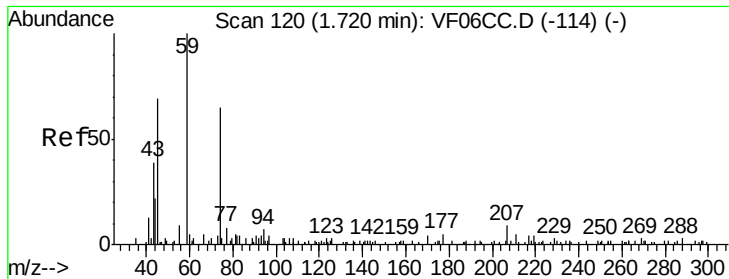
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.128 ug/l

RT: 1.73 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF062865.D

Acq: 5 Jun 2019 15:10

Instrument :

MSVOA_F

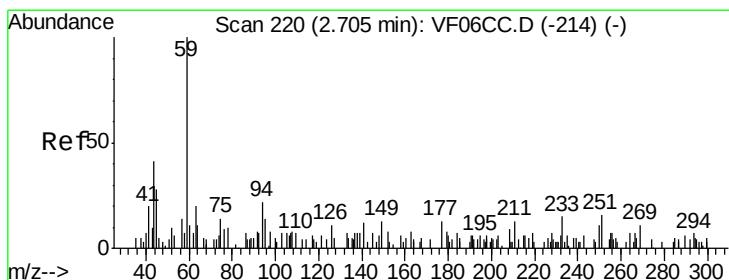
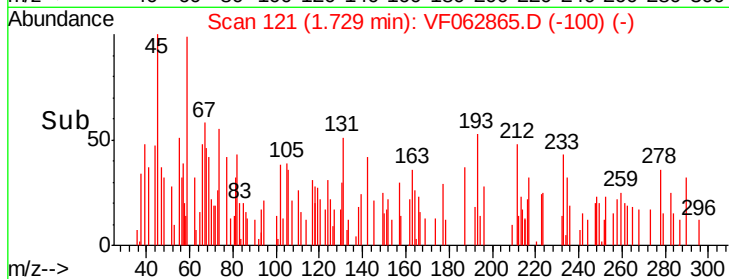
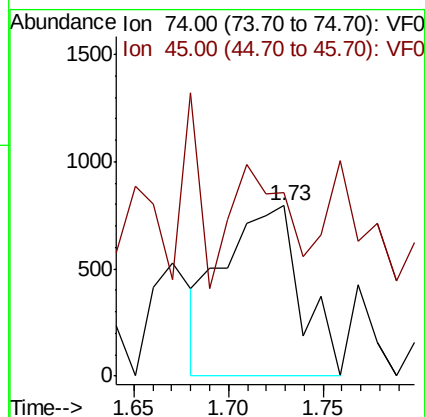
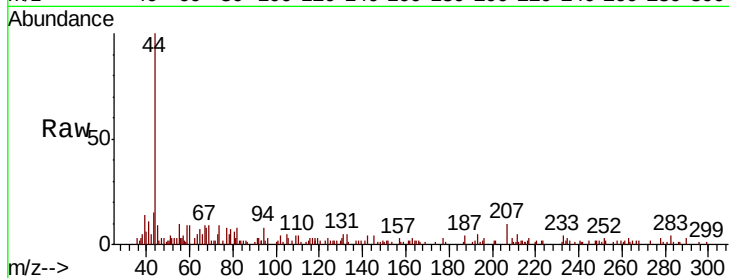
ClientSampled :

Tot Ion: 74 Resp: 2264

Ion Ratio Lower Upper

74 100

45 107.8 47.5 142.5



#11

Tert butyl alcohol

Concen: 4.950 ug/l

RT: 2.71 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062865.D

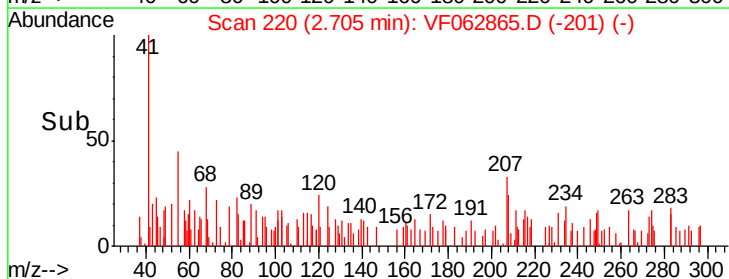
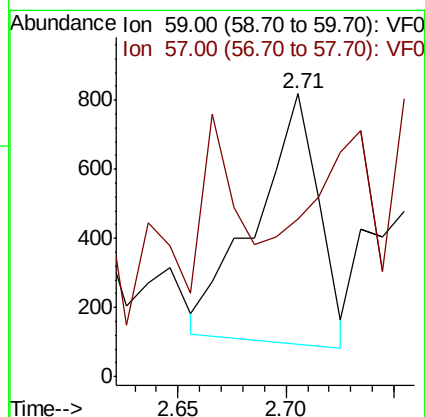
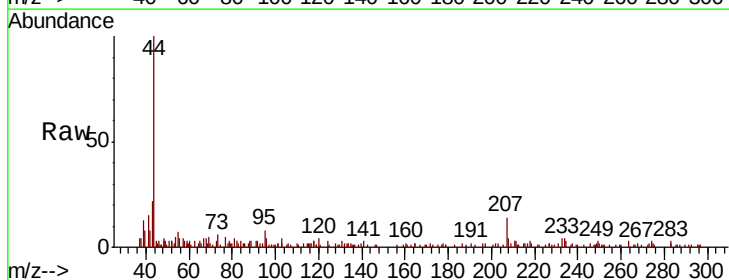
Acq: 5 Jun 2019 15:10

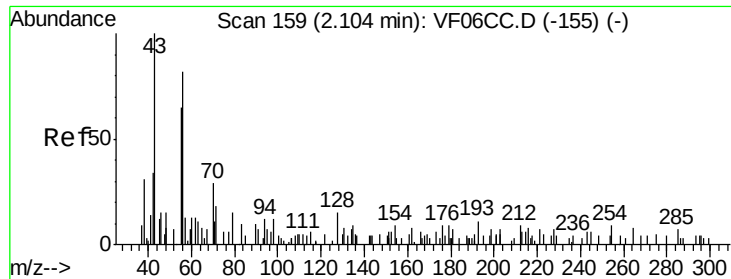
Tgt Ion: 59 Resp: 1453

Ion Ratio Lower Upper

59 100

57 55.6 9.2 13.8#

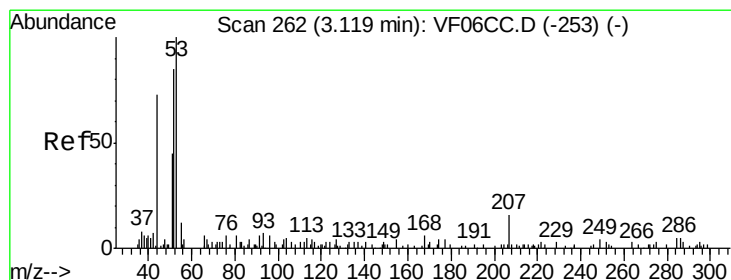
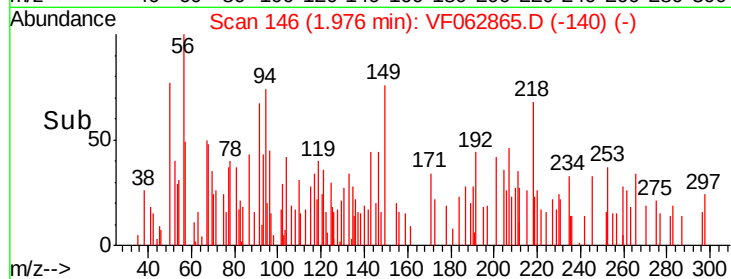
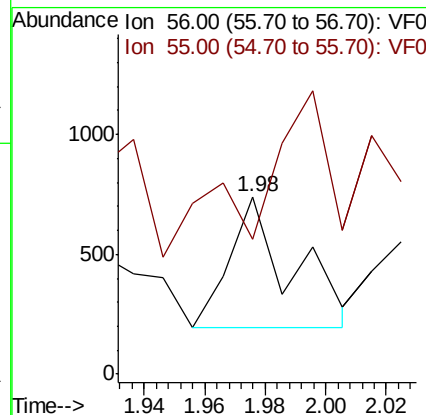
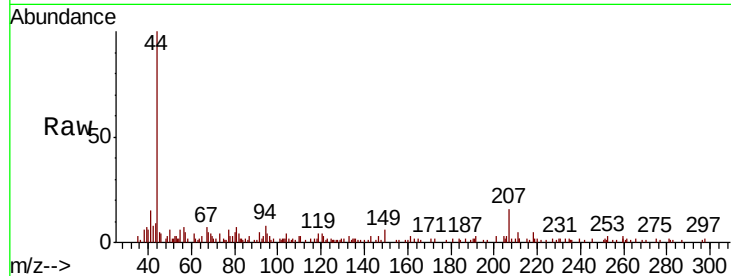




#13
Acrolein
Concen: Below Cal
RT: 1.98 min Scan# 146
Delta R.T. -0.14 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

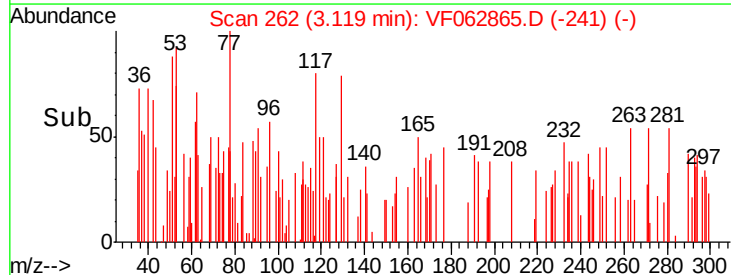
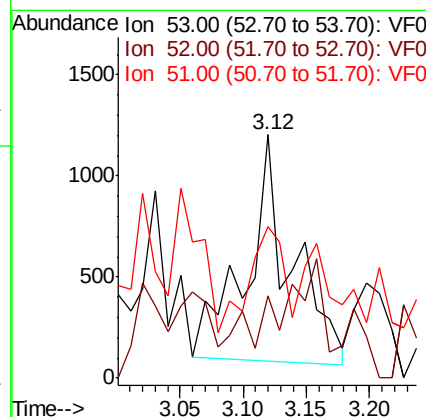
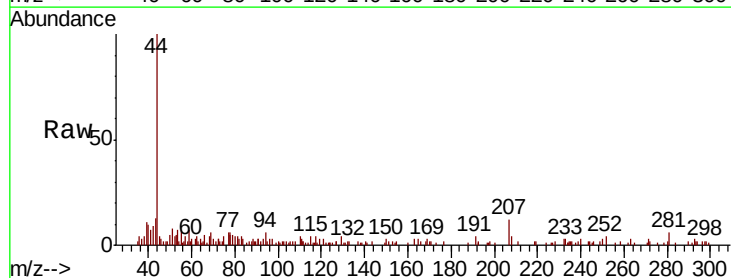
Instrument :
MSVOA_F
ClientSampleId :

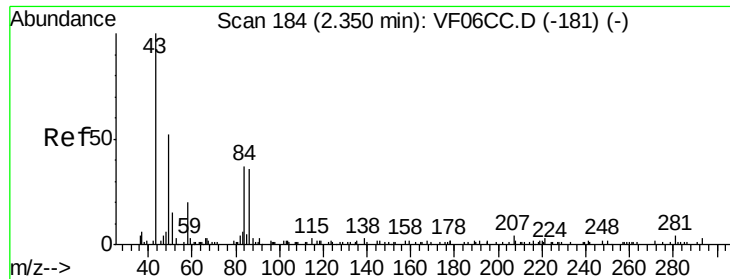
Tot Ion: 56 Resp: 784
Ion Ratio Lower Upper
56 100
55 76.2 52.9 79.3



#15
Acrylonitrile
Concen: 2.567 ug/l
RT: 3.12 min Scan# 262
Delta R.T. 0.01 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Tgt Ion: 53 Resp: 2831
Ion Ratio Lower Upper
53 100
52 33.9 68.1 102.1#
51 62.2 27.7 41.5#

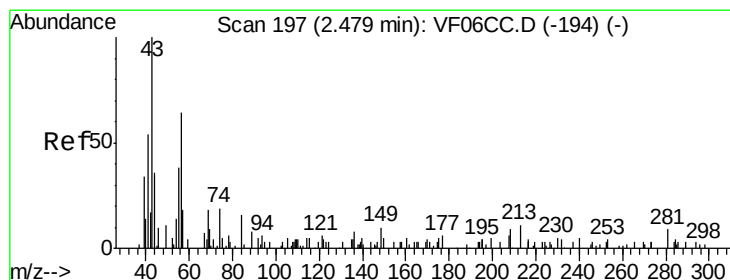
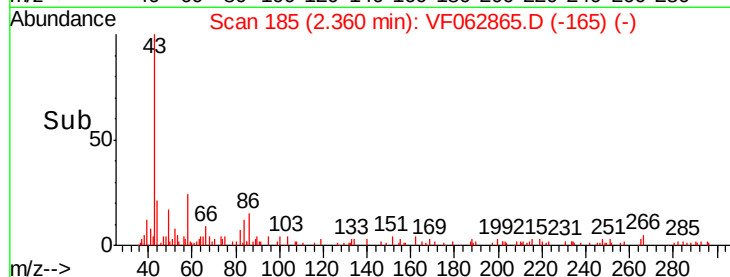
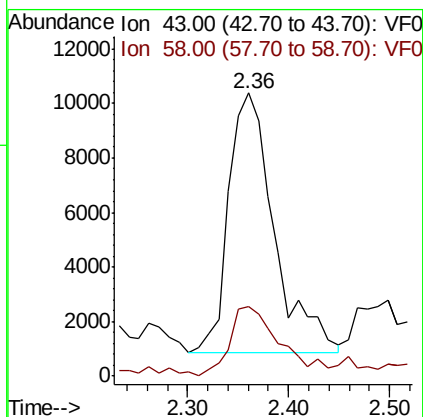
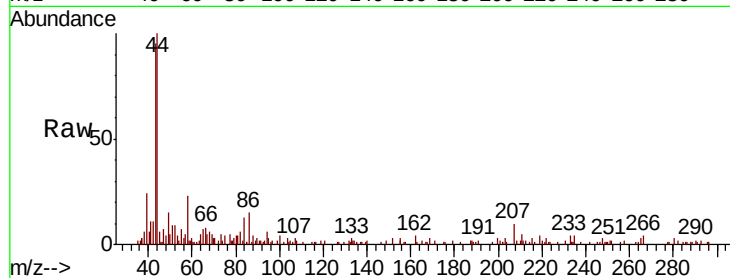




#16
Acetone
Concen: 26.990 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

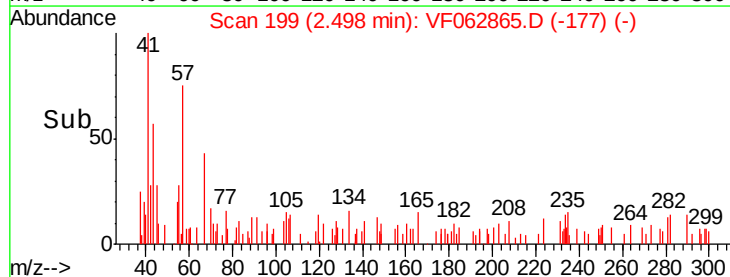
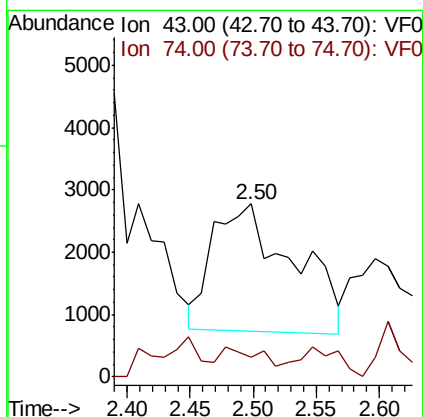
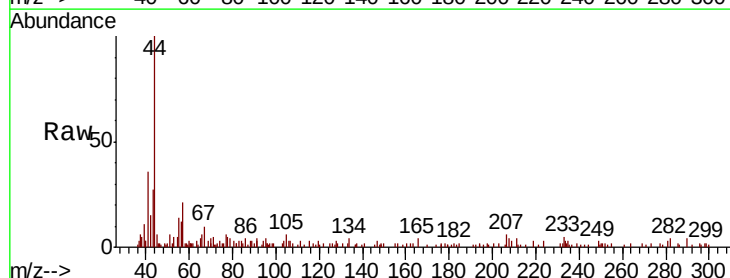
Instrument :
MSVOA_F
ClientSampleId :

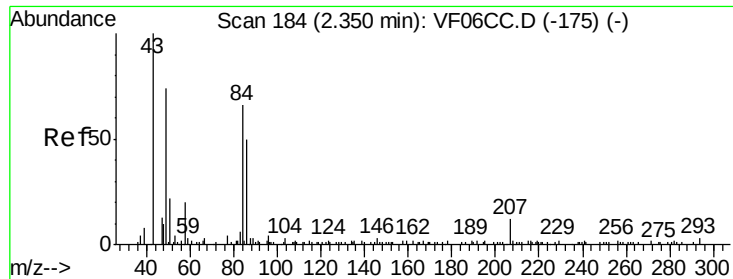
Tot Ion: 43 Resp: 29930
Ion Ratio Lower Upper
43 100
58 24.7 19.0 28.4



#18
Methyl Acetate
Concen: 4.651 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Tgt Ion: 43 Resp: 9012
Ion Ratio Lower Upper
43 100
74 11.3 22.1 33.1#

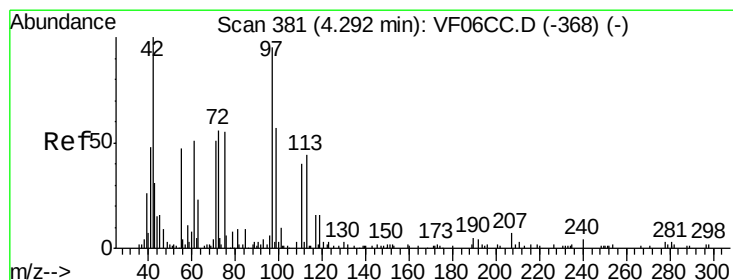
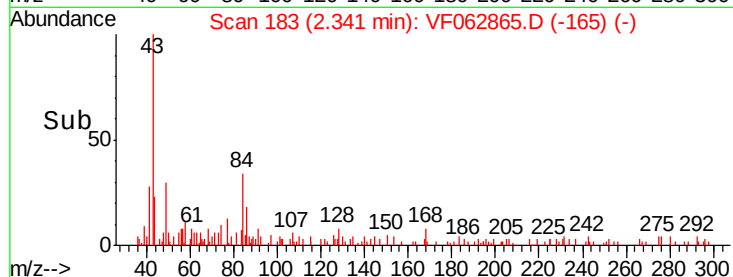
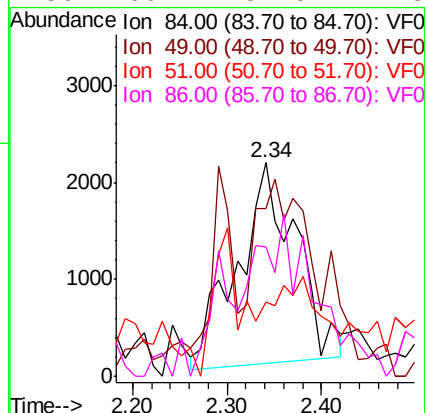
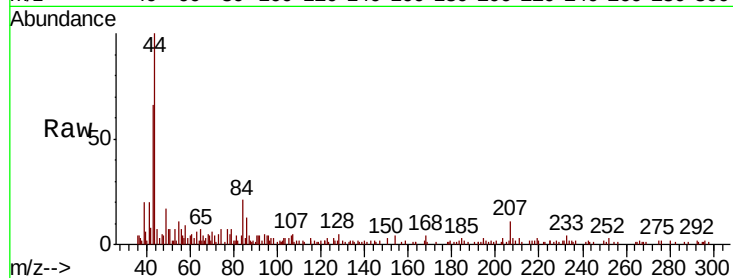




#20
Methylene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

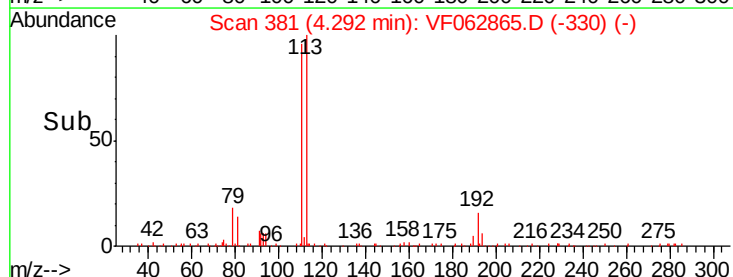
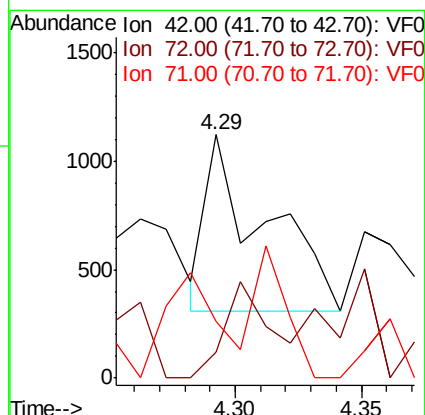
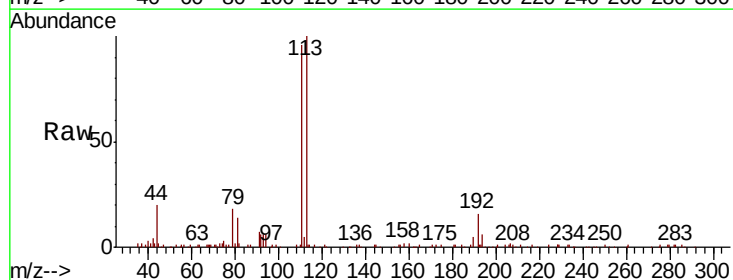
Instrument :
MSVOA_F
ClientSampleId :

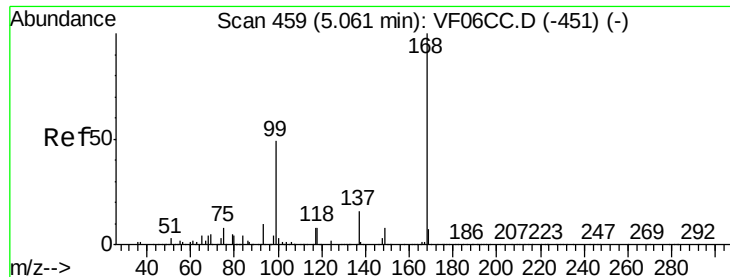
Tot Ion:	84	Resp:	8930
Ion	Ratio	Lower	Upper
84	100		
49	78.5	82.6	123.8#
51	34.8	25.0	37.4
86	60.7	51.5	77.3



#29
Tetrahydrofuran
Concen: 1.351 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Tgt Ion:	42	Resp:	1334
Ion	Ratio	Lower	Upper
42	100		
72	42.4	39.0	58.6
71	53.7	36.9	55.3

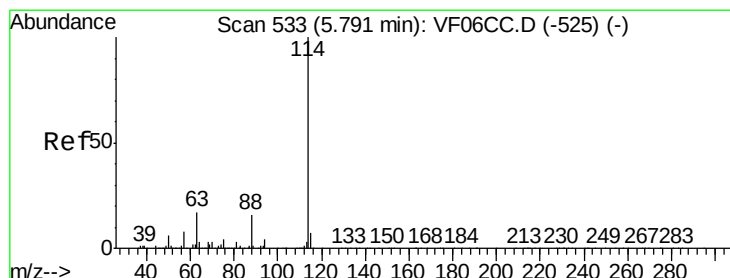
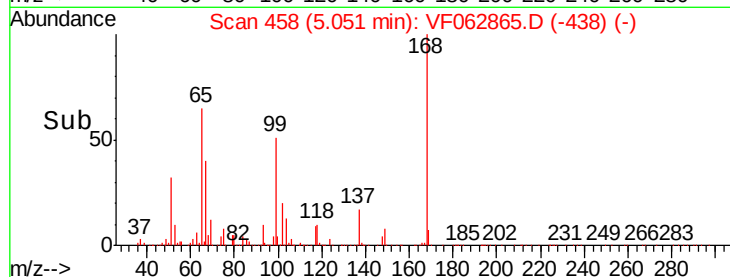
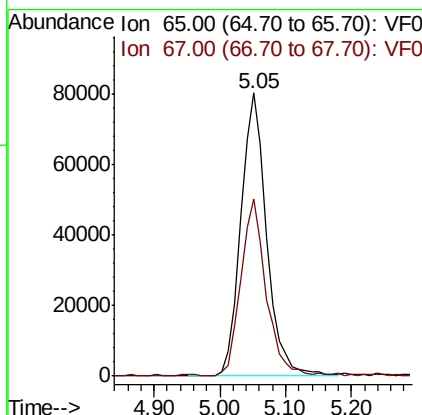
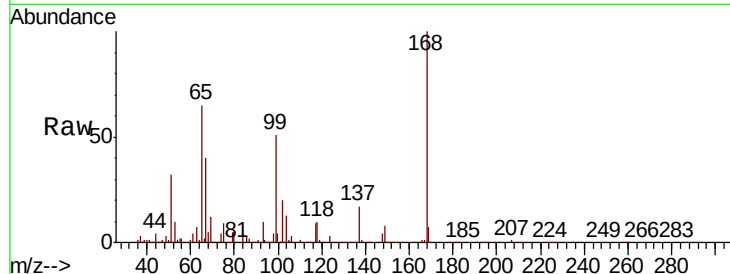




#33
 1,2-Dichloroethane-d4
 Concen: 45.676 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062865.D
 Acq: 5 Jun 2019 15:10

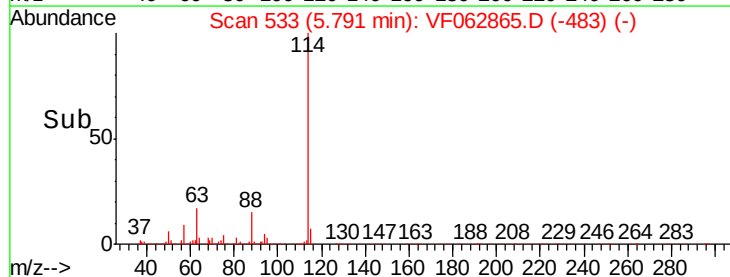
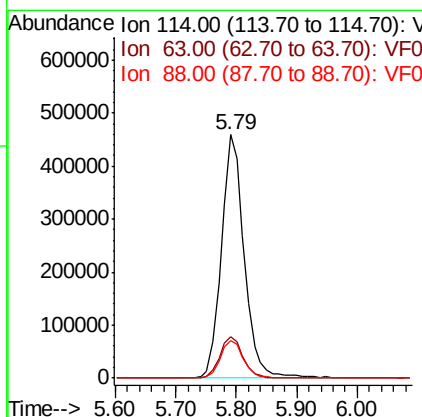
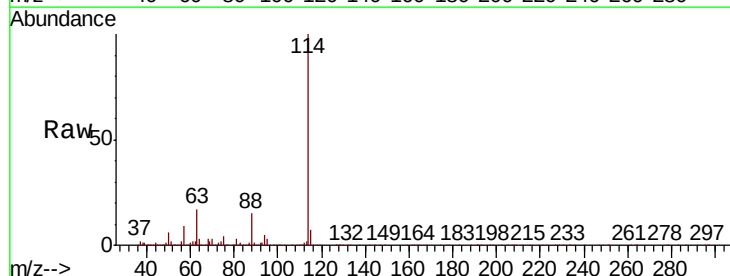
Instrument :
 MSVOA_F
 ClientSampleId :

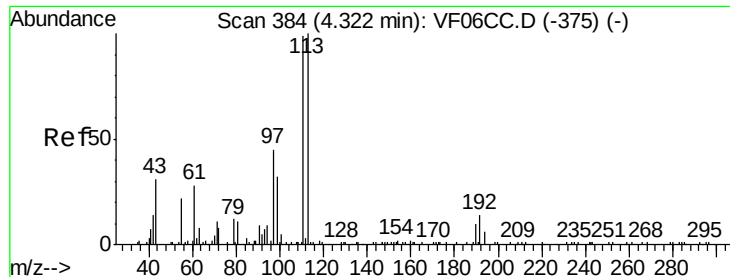
Tot Ion: 65 Resp: 221302
 Ion Ratio Lower Upper
 65 100
 67 62.6 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062865.D
 Acq: 5 Jun 2019 15:10

Tgt Ion: 114 Resp: 1195998
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 34.2
 88 15.4 0.0 31.2

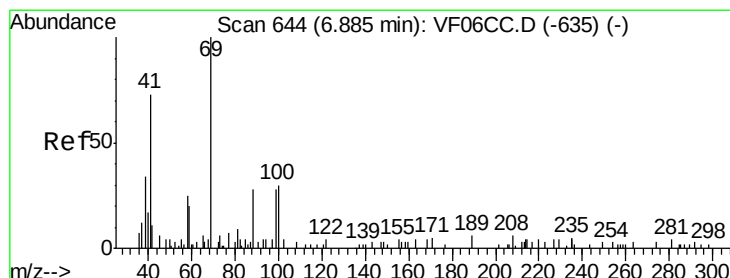
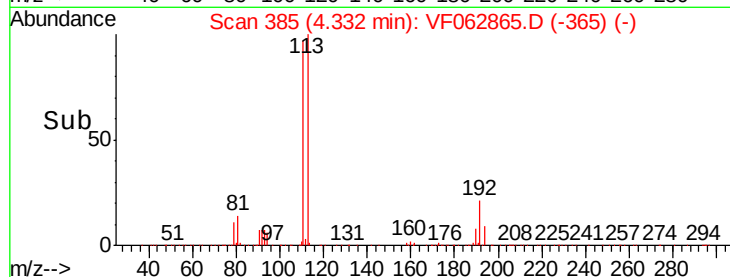
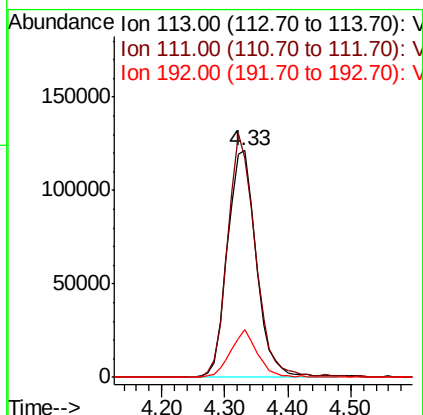
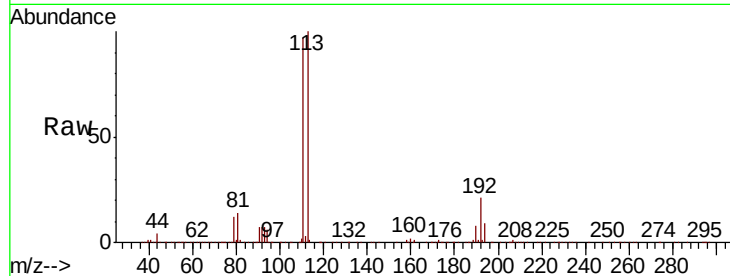




#35
 Dibromofluoromethane
 Concen: 42.862 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062865.D
 Acq: 5 Jun 2019 15:10

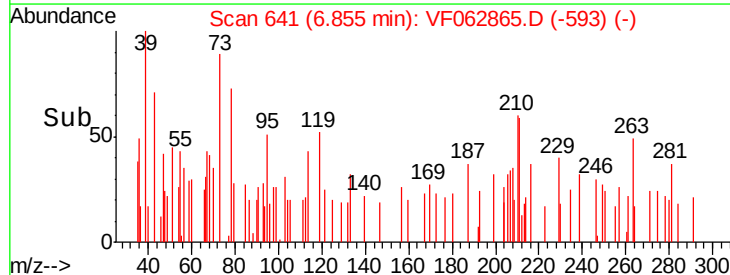
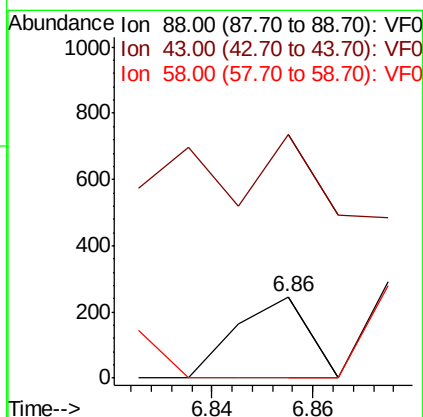
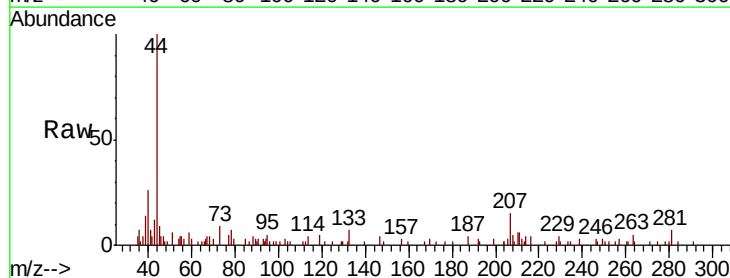
Instrument :
 MSVOA_F
 ClientSampleId :

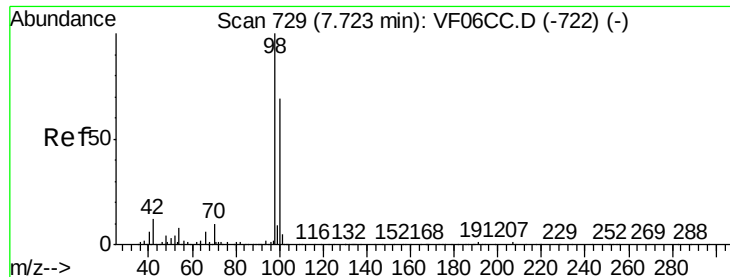
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.8	81.9	122.9
192	20.9	15.1	22.7



#49
 1,4-Dioxane
 Concen: 6.434 ug/l
 RT: 6.86 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: VF062865.D
 Acq: 5 Jun 2019 15:10

Tgt Ion	Ratio	Lower	Upper
88	100		
43	299.2	34.8	52.2#
58	0.0	59.9	89.9#

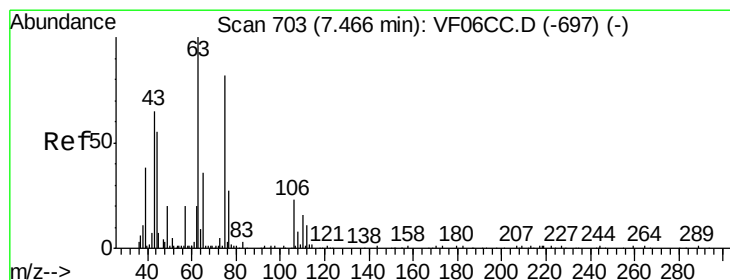
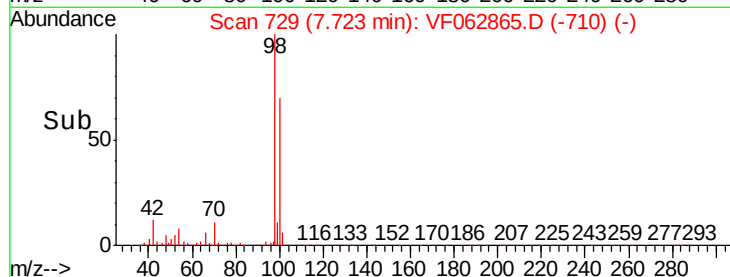
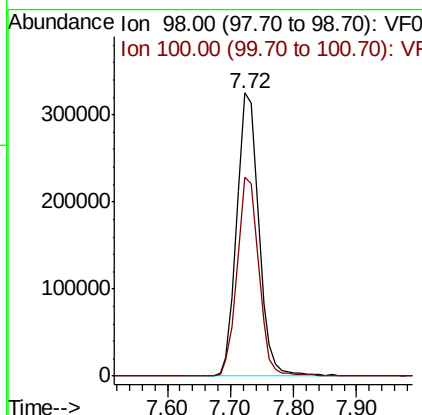
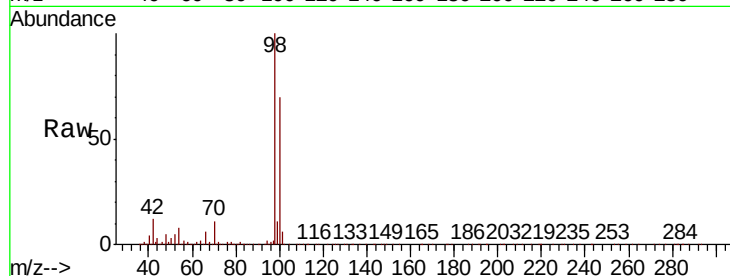




#50
Toluene-d8
Concen: 34.200 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

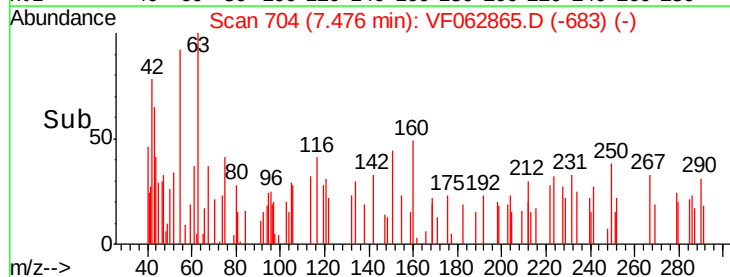
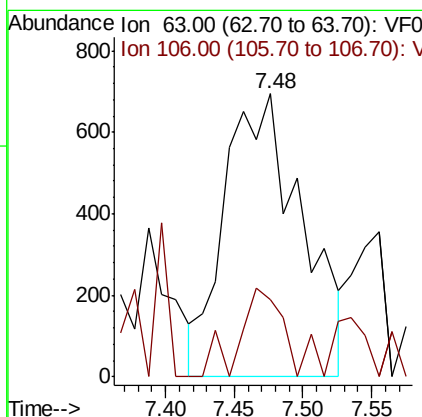
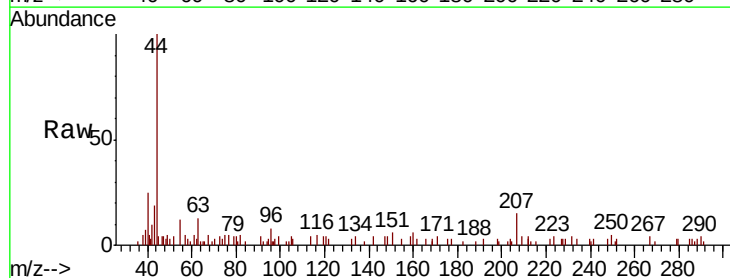
Instrument :
MSVOA_F
ClientSampleId :

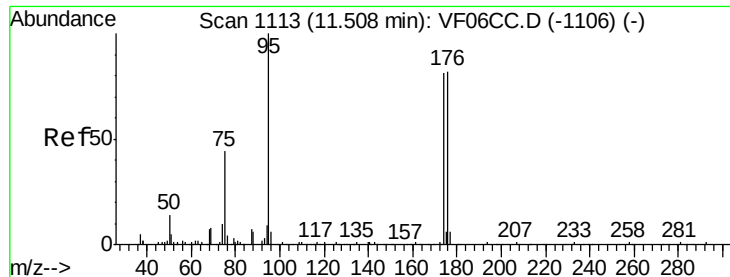
Tot Ion: 98 Resp: 781618
Ion Ratio Lower Upper
98 100
100 70.5 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.392 ug/l
RT: 7.48 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Tgt Ion: 63 Resp: 2691
Ion Ratio Lower Upper
63 100
106 27.5 19.5 29.3





#62

4-Bromofluorobenzene

Concen: 30.985 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062865.D

Acq: 5 Jun 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

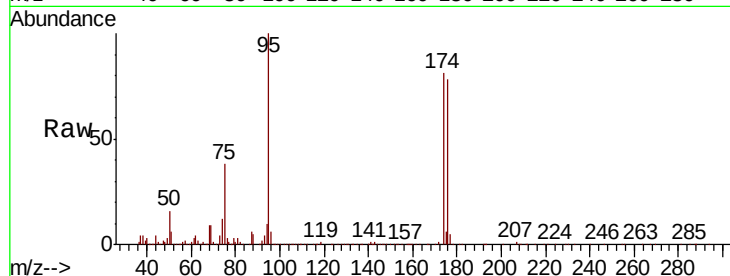
Tot Ion: 95 Resp: 254723

Ion Ratio Lower Upper

95 100

174 81.0 0.0 170.6

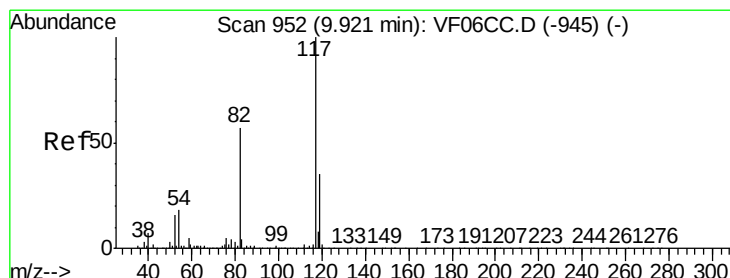
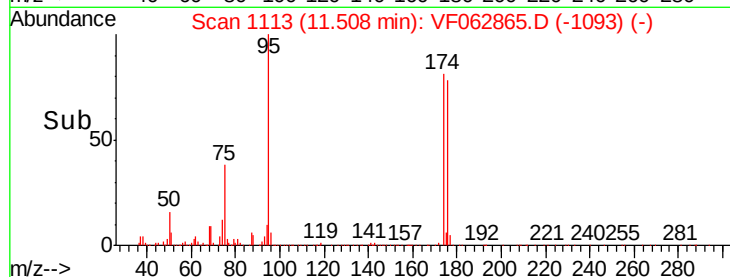
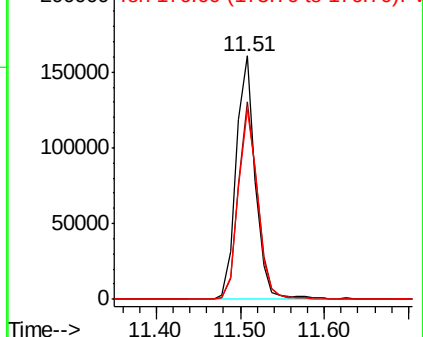
176 78.2 0.0 170.6



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: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062865.D

Acq: 5 Jun 2019 15:10

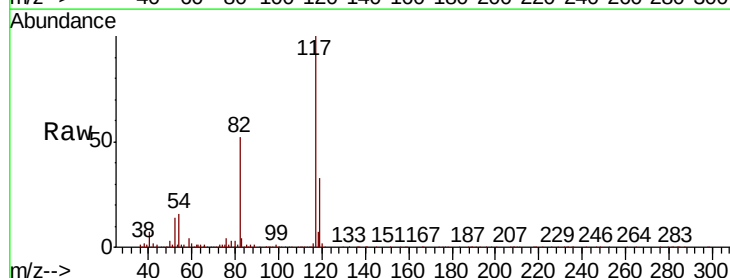
Tgt Ion: 117 Resp: 895449

Ion Ratio Lower Upper

117 100

82 51.7 42.4 63.6

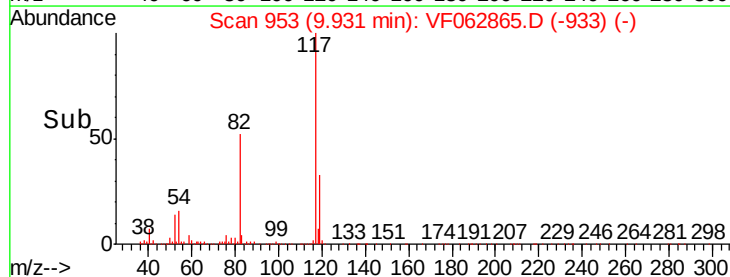
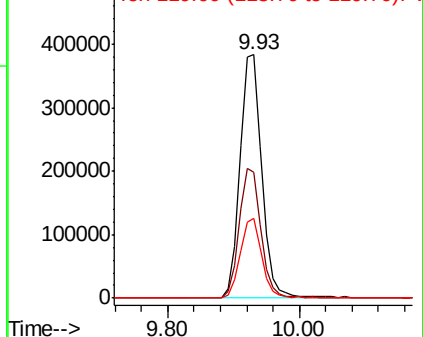
119 32.9 27.1 40.7

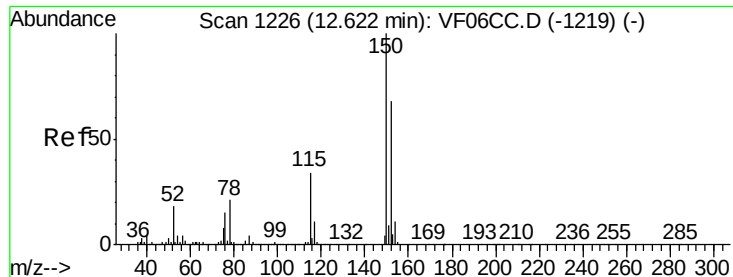


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



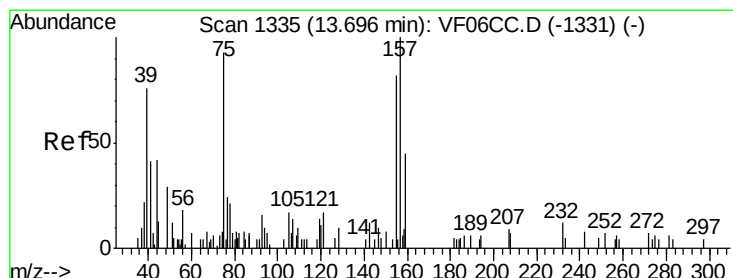
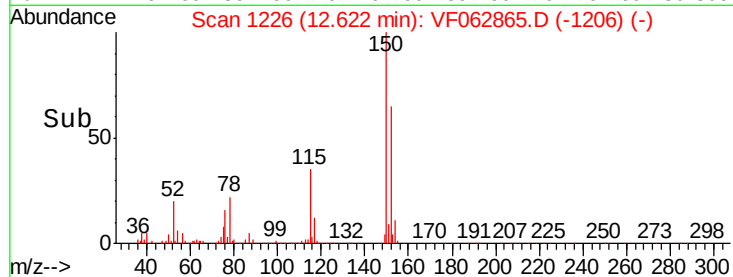
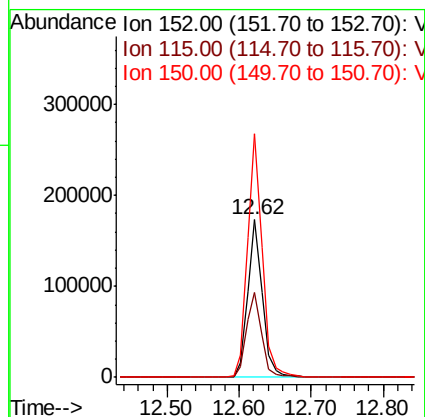
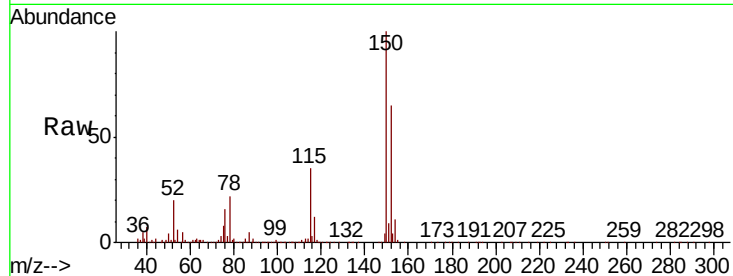


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	24.6	74.0
150	154.7	0.0	290.6



#92

1,2-Dibromo-3-Chloropropane
Concen: 1.021 ug/l
RT: 13.70 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VF062865.D
Acq: 5 Jun 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	51.7	155.1#
157	0.0	66.8	200.6#

