

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062916.D
 Acq On : 10 Jun 2019 19:49
 Operator : FY/SY
 Sample : K3273-18RE
 Misc : 4.32g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 11 01:21:07 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	688231	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1118922	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	751368	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	295137	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	244553	51.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.78%	
35) Dibromofluoromethane	4.32	113	433185	51.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.46%	
50) Toluene-d8	7.72	98	859818	40.21	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.42%	
62) 4-Bromofluorobenzene	11.50	95	271162	35.26	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	70.52%	

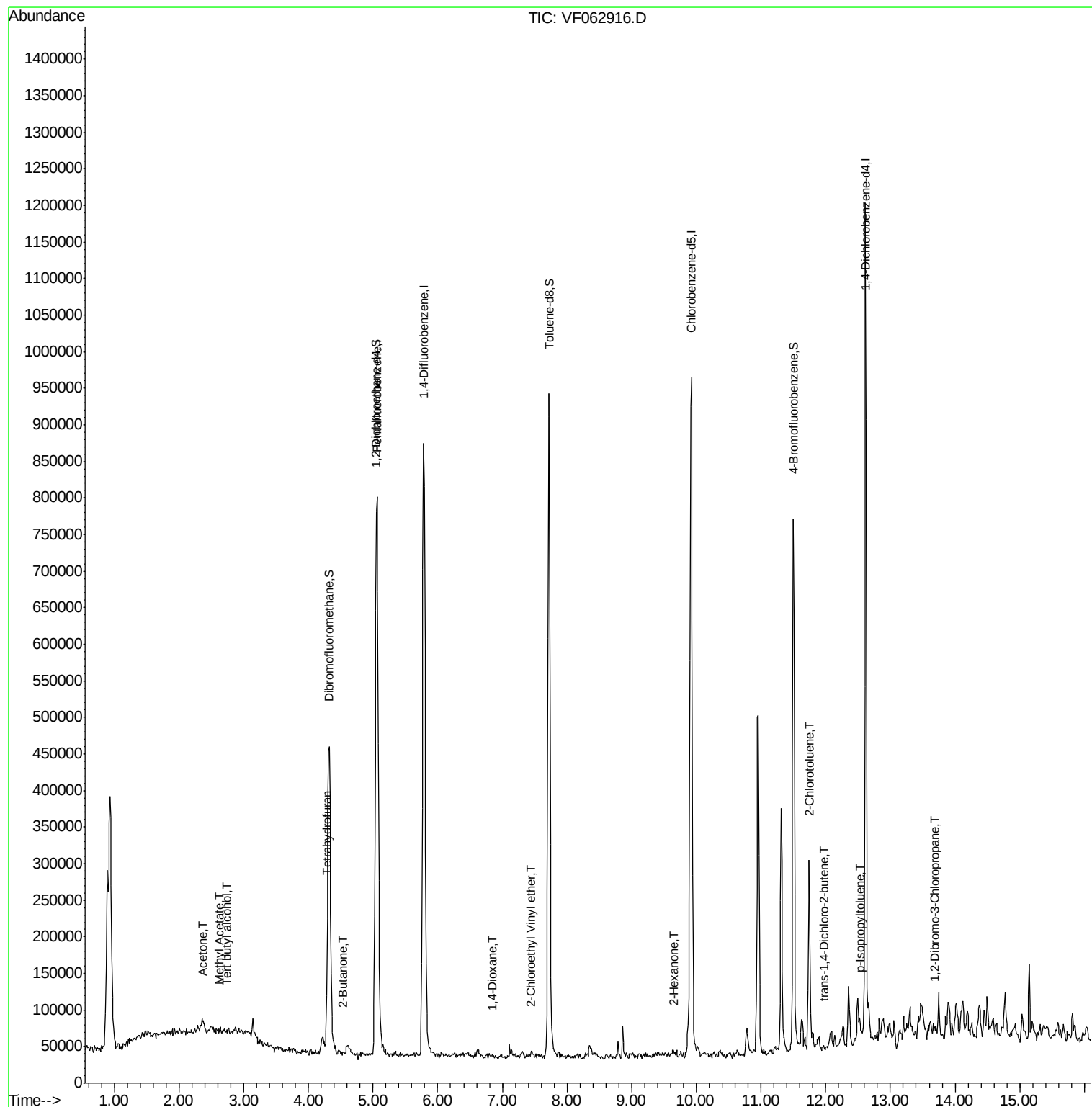
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	1419	Below Cal	#	43
11) Tert butyl alcohol	2.75	59	639	2.216	ug/l #	1
13) Acrolein	2.23	56	899	Below Cal		93
16) Acetone	2.37	43	14080	12.926	ug/l #	86
18) Methyl Acetate	2.62	43	1958	1.029	ug/l	99
20) Methylene Chloride	2.35	84	11031	Below Cal	#	74
25) 2-Butanone	4.55	43	3228	1.273	ug/l	96
29) Tetrahydrofuran	4.28	42	993	1.024	ug/l #	13
49) 1,4-Dioxane	6.85	88	121	3.424	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	2872	1.588	ug/l #	55
59) 2-Hexanone	9.64	43	3390	1.281	ug/l	98
79) 2-Chlorotoluene	11.75	91	25846	1.817	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.96	75	1815	1.471	ug/l #	60
86) p-Isopropyltoluene	12.52	119	26489	1.447	ug/l	83
92) 1,2-Dibromo-3-Chloropropan	13.70	75	812	1.695	ug/l #	1

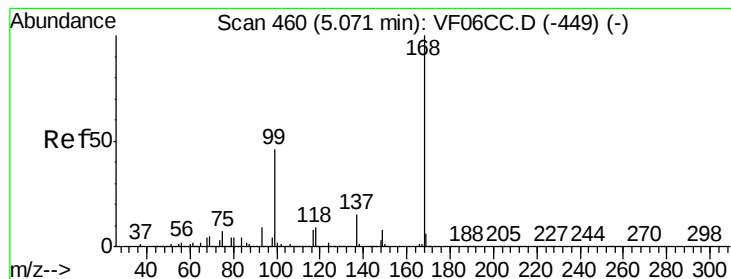
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062916.D

Acq: 10 Jun 2019 19:49

Instrument :

MSVOA_F

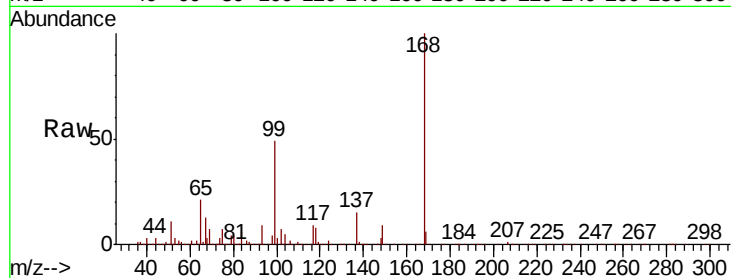
ClientSampleId :

Tot Ion:168 Resp: 688231

Ion Ratio Lower Upper

168 100

99 48.5 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

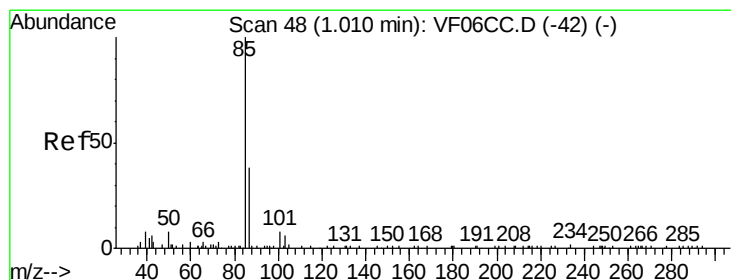
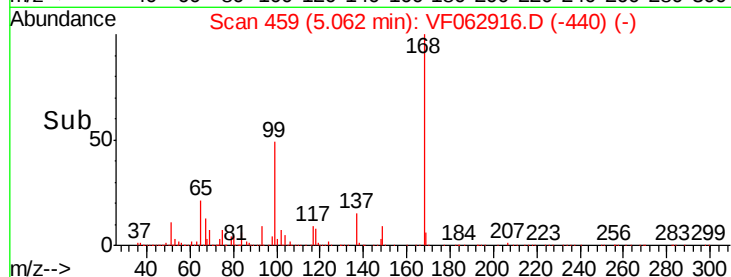
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062916.D

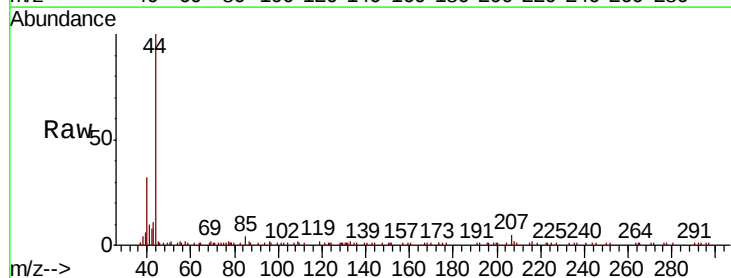
Acq: 10 Jun 2019 19:49

Tgt Ion: 85 Resp: 1419

Ion Ratio Lower Upper

85 100

87 68.4 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

800

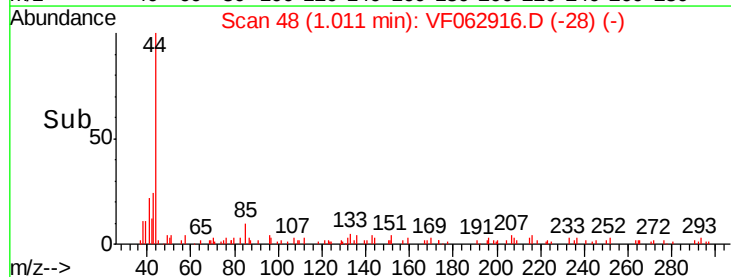
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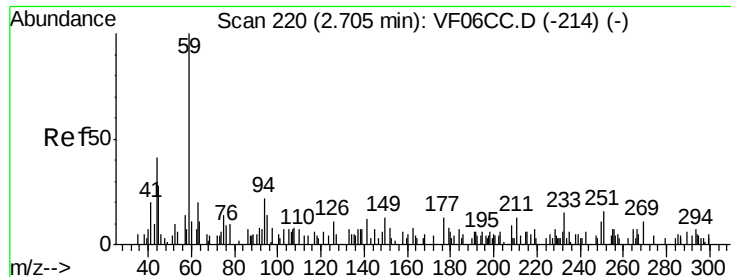
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200

0

Time-->

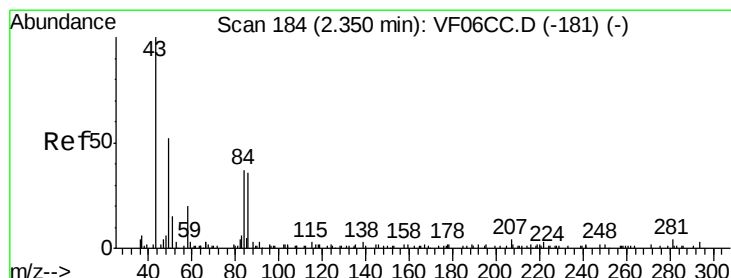
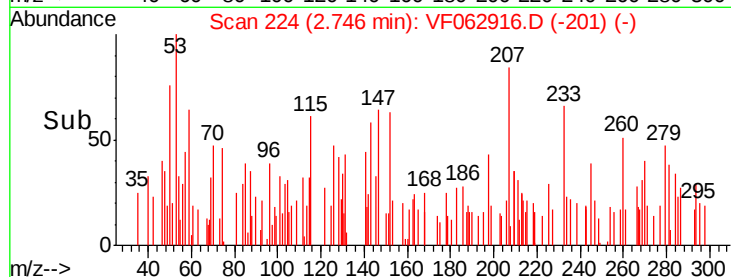
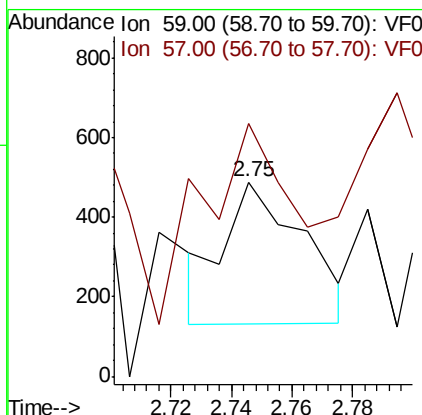
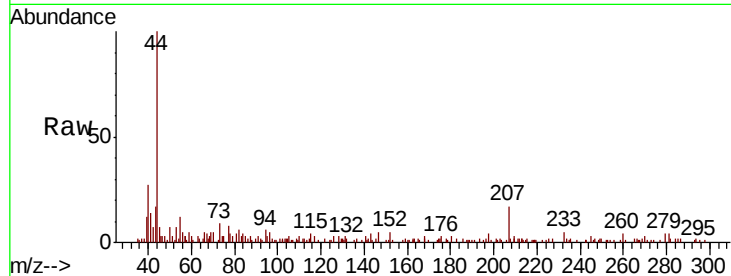




#11
Tert butvl alcohol
Concen: 2.216 ug/l
RT: 2.75 min Scan# 224
Delta R.T. 0.03 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

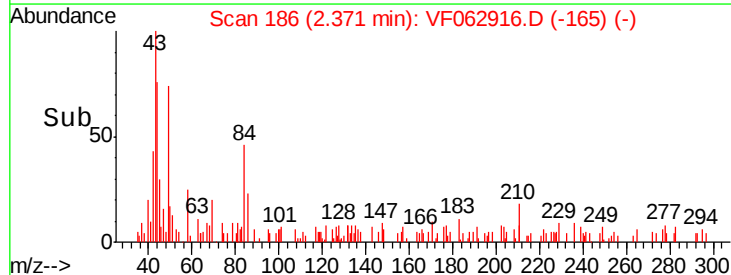
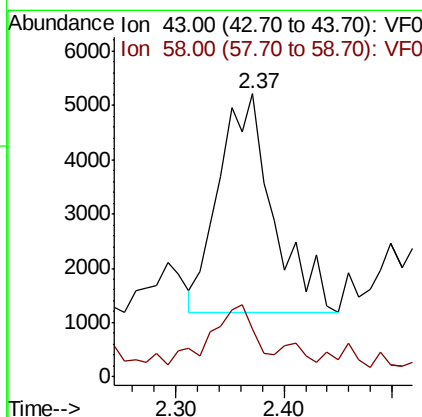
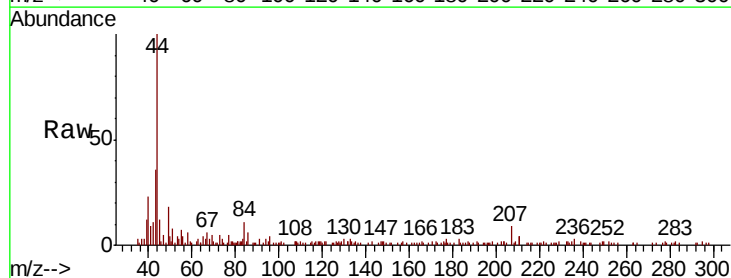
Instrument :
MSVOA_F
ClientSampled :

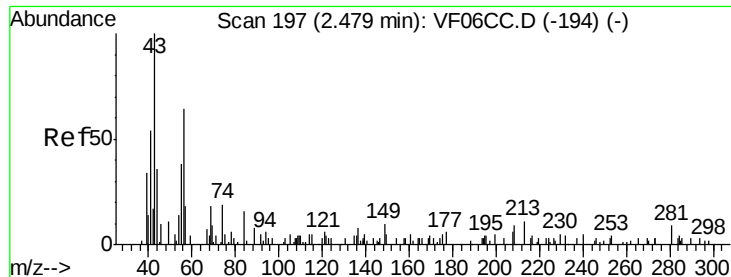
Tot Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 130.1 9.2 13.8#



#16
Acetone
Concen: 12.926 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 43 Resp: 14080
Ion Ratio Lower Upper
43 100
58 16.9 19.0 28.4#

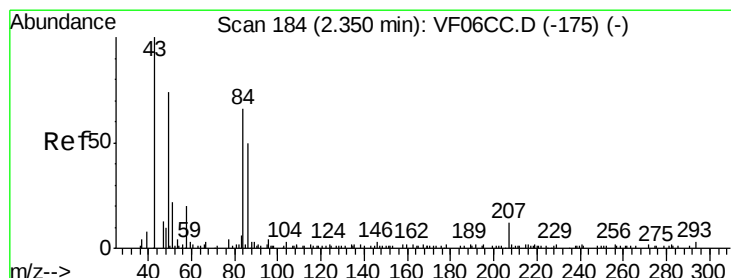
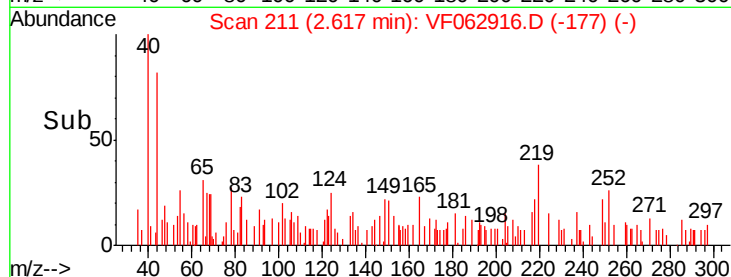
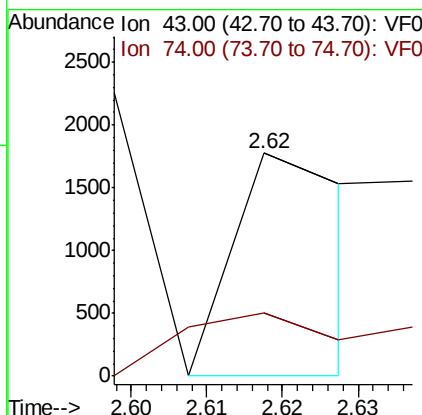
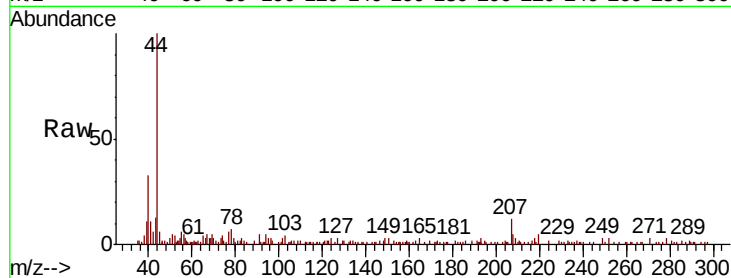




#18
Methyl Acetate
Concen: 1.029 ug/l
RT: 2.62 min Scan# 211
Delta R.T. 0.14 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

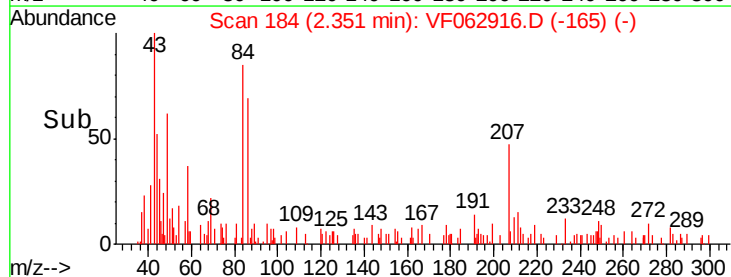
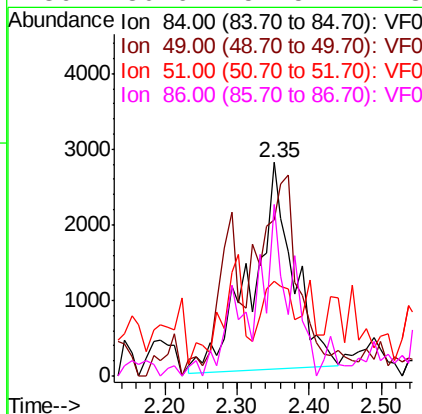
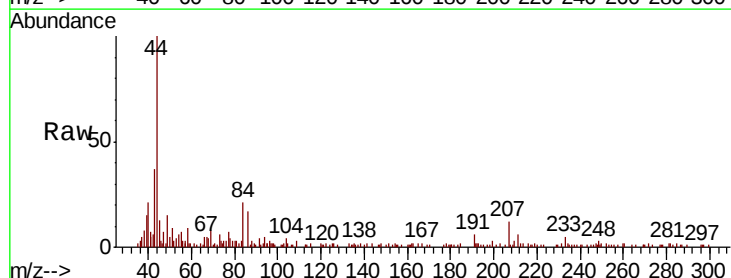
Instrument :
MSVOA_F
ClientSampled :

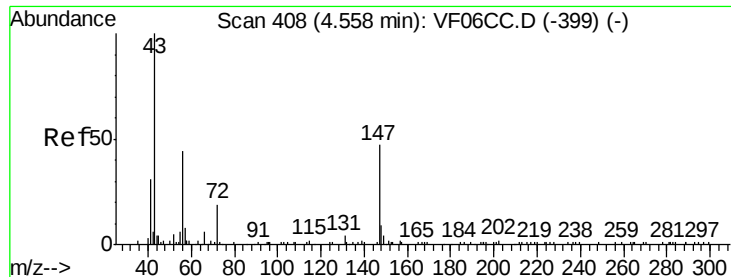
Tot Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
74 28.1 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 84 Resp: 11031
Ion Ratio Lower Upper
84 100
49 73.4 82.6 123.8#
51 44.2 25.0 37.4#
86 80.6 51.5 77.3#

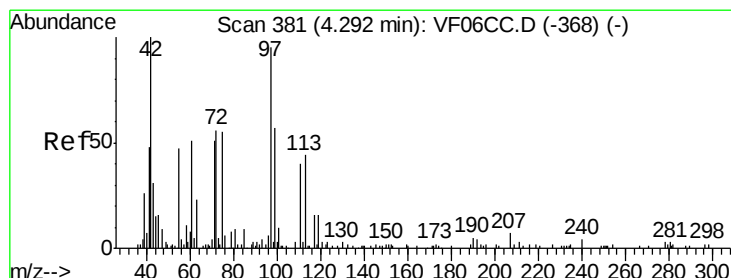
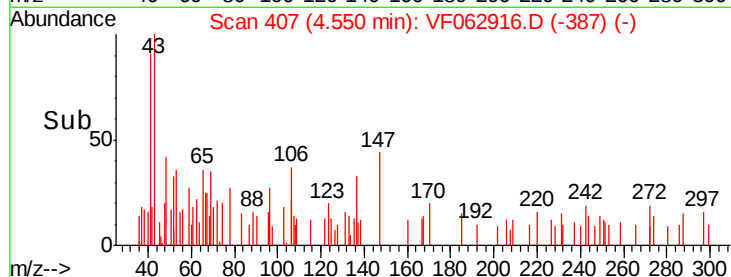
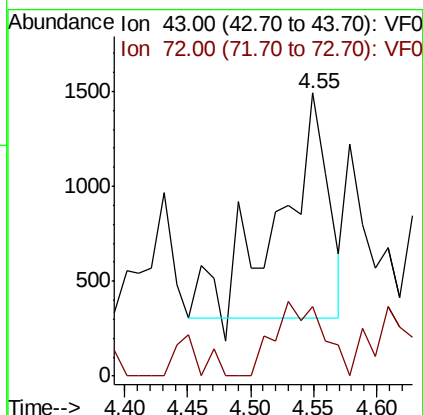
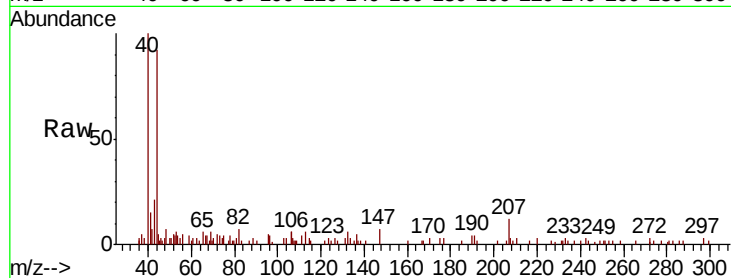




#25
2-Butanone
Concen: 1.273 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

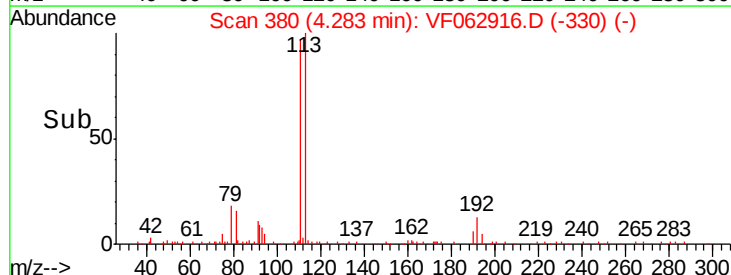
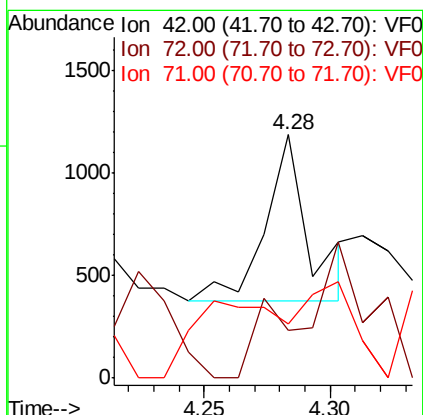
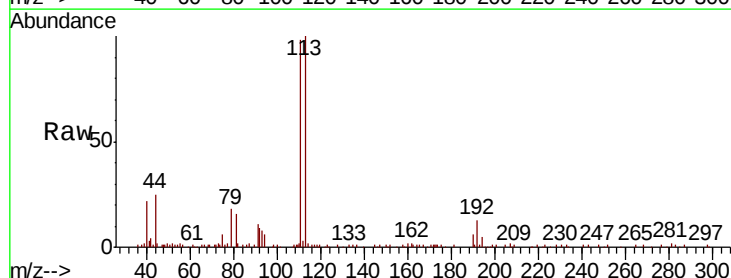
Instrument :
MSVOA_F
ClientSampleId :

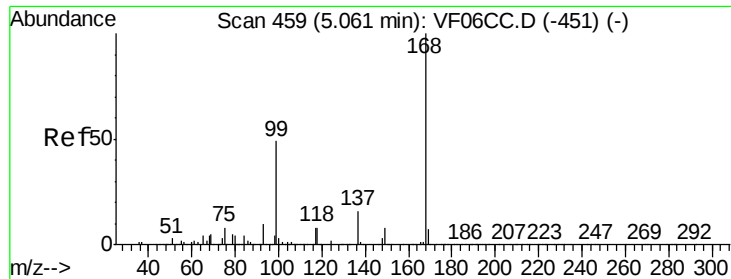
Tot Ion: 43 Resp: 3228
Ion Ratio Lower Upper
43 100
72 24.5 21.4 32.0



#29
Tetrahydrofuran
Concen: 1.024 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 42 Resp: 993
Ion Ratio Lower Upper
42 100
72 146.9 39.0 58.6#
71 63.3 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 51.386 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062916.D

Acq: 10 Jun 2019 19:49

Instrument :

MSVOA_F

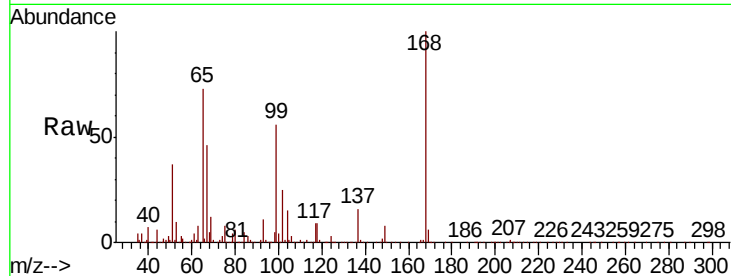
ClientSampleId :

Tot Ion: 65 Resp: 244553

Ion Ratio Lower Upper

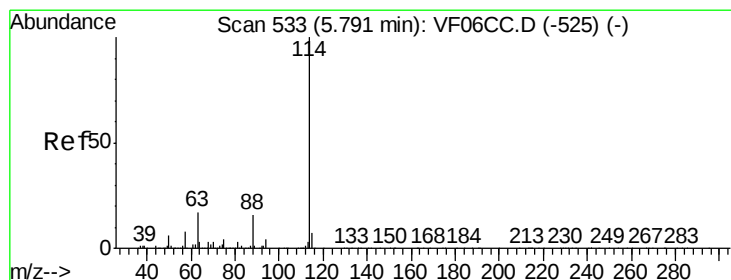
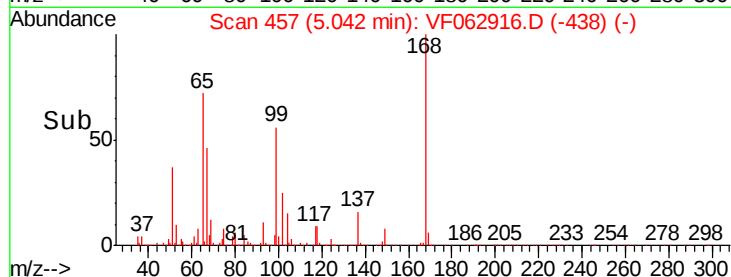
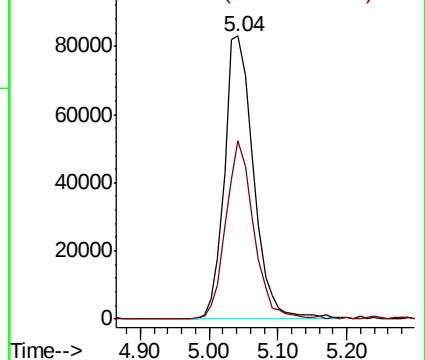
65 100

67 63.2 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: VF062916.D

Acq: 10 Jun 2019 19:49

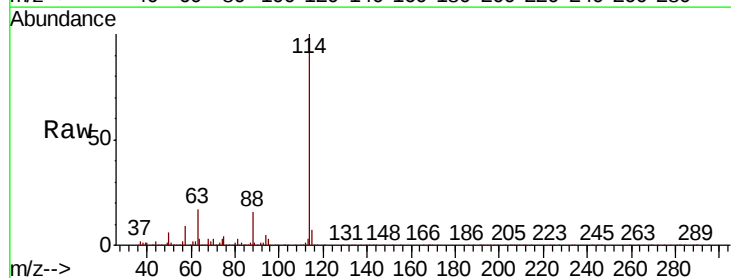
Tgt Ion: 114 Resp: 1118922

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

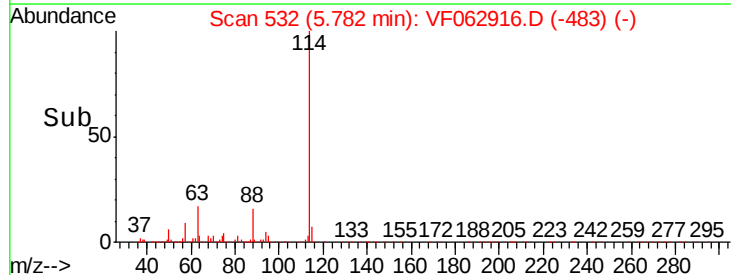
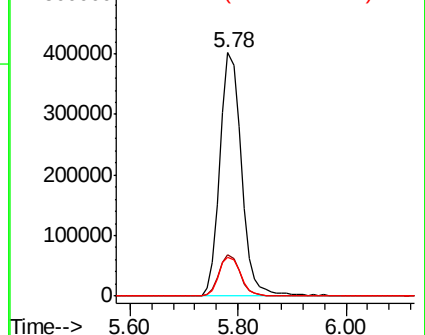
88 16.0 0.0 31.2

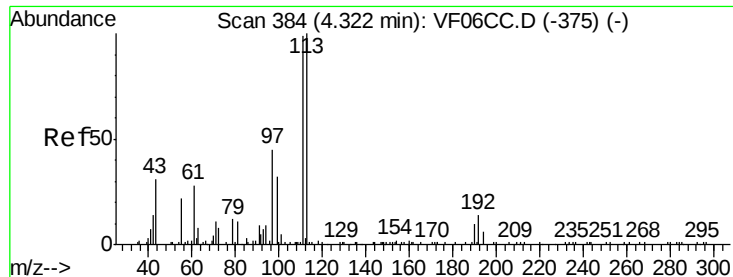


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

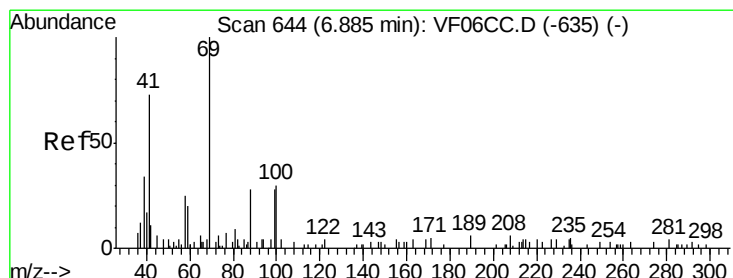
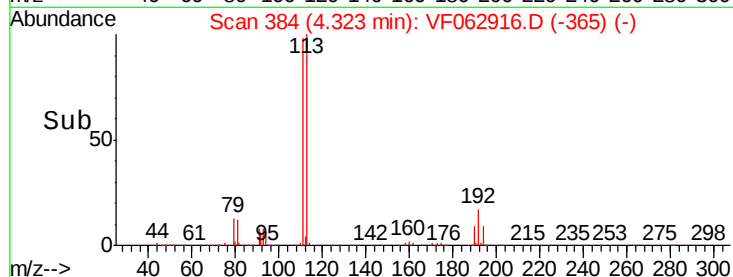
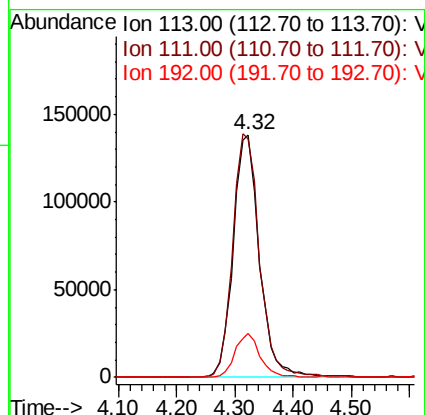
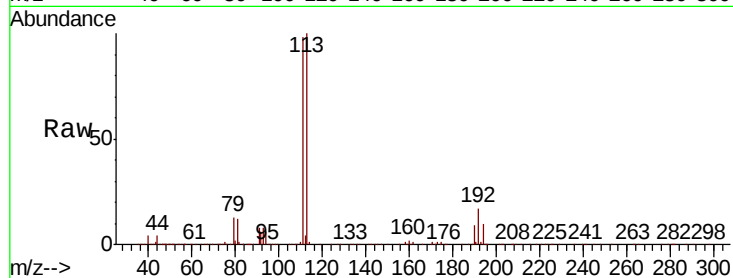




#35
 Dibromofluoromethane
 Concen: 51.233 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062916.D
 Acq: 10 Jun 2019 19:49

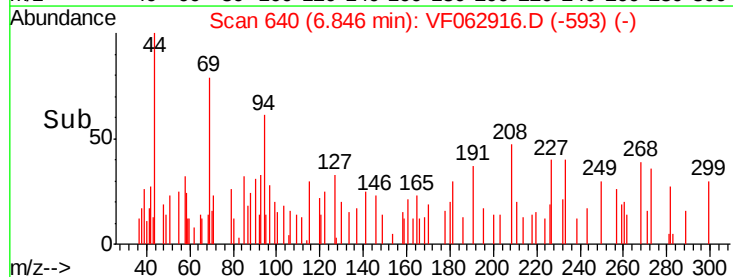
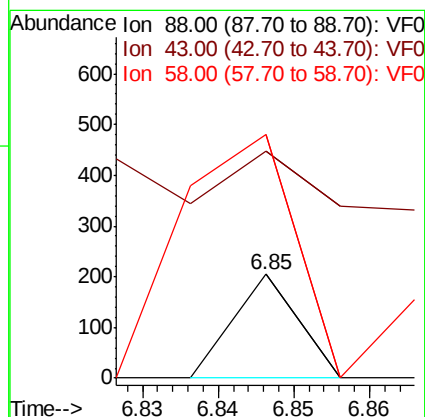
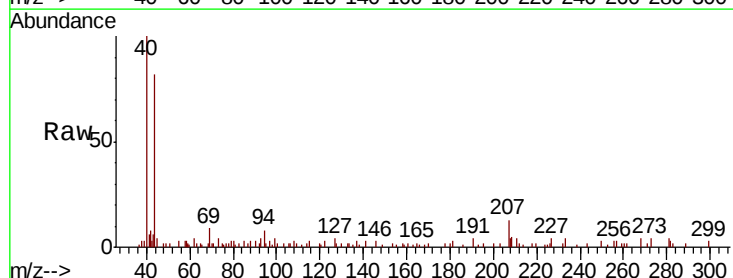
Instrument :
 MSVOA_F
 ClientSampleId :

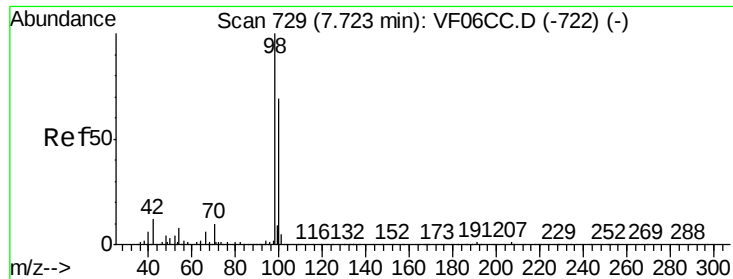
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.3	81.9	122.9
192	18.0	15.1	22.7



#49
 1,4-Dioxane
 Concen: 3.424 ug/l
 RT: 6.85 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF062916.D
 Acq: 10 Jun 2019 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	218.5	34.8	52.2#
58	234.1	59.9	89.9#

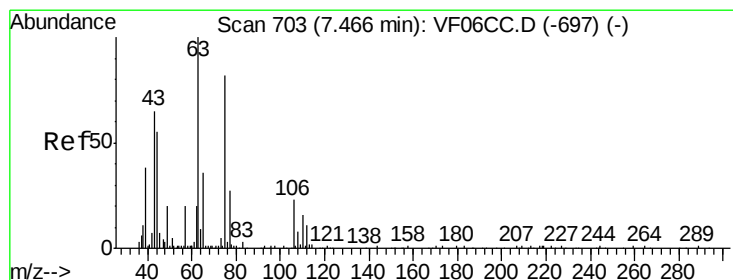
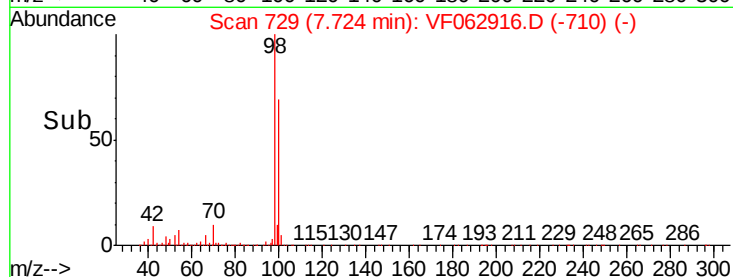
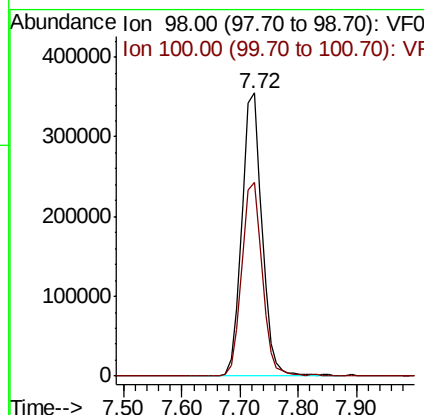
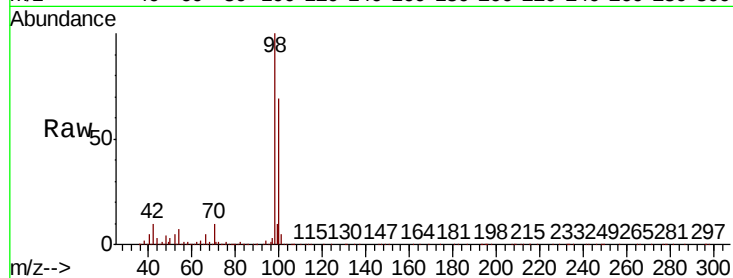




#50
Toluene-d8
Concen: 40.214 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

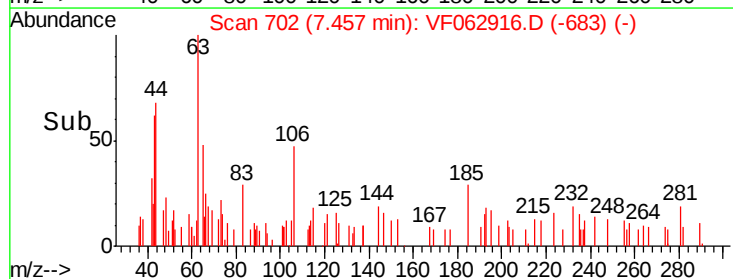
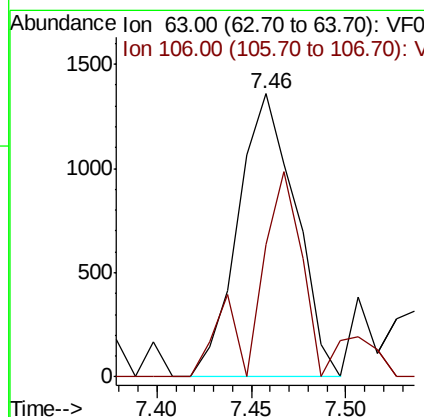
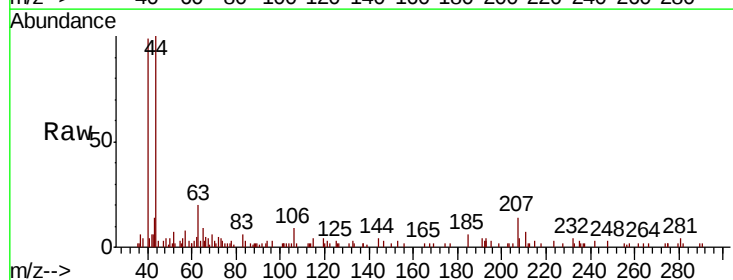
Instrument :
MSVOA_F
ClientSampleId :

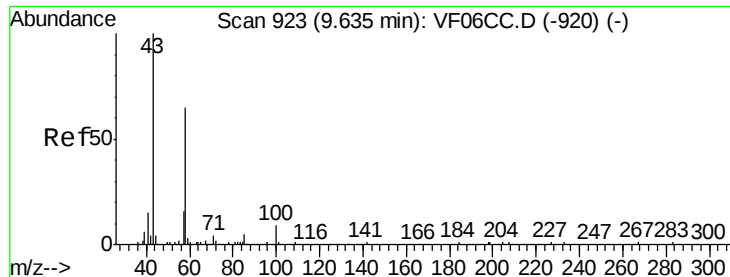
Tot Ion: 98 Resp: 859818
Ion Ratio Lower Upper
98 100
100 68.5 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.588 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 63 Resp: 2872
Ion Ratio Lower Upper
63 100
106 46.8 19.5 29.3#

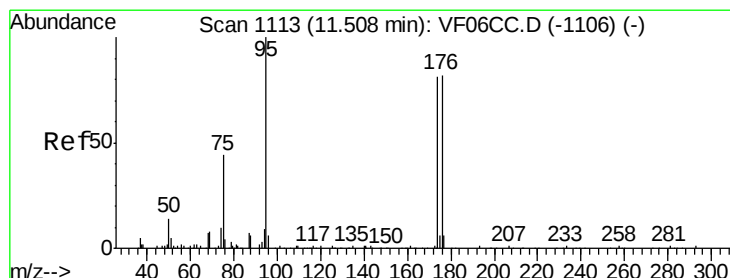
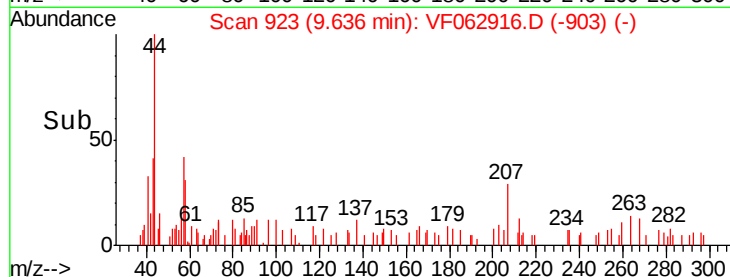
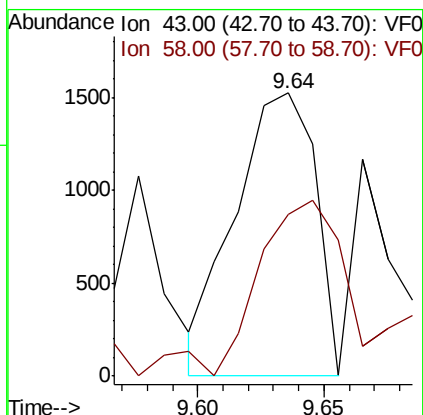
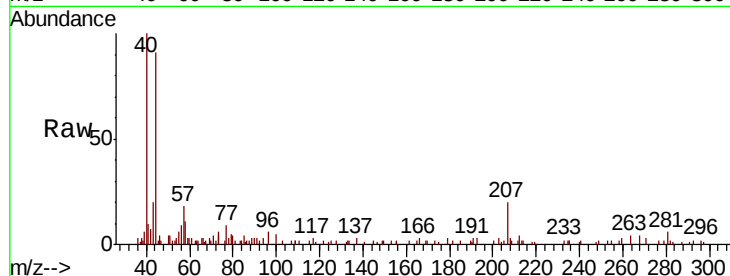




#59
2-Hexanone
Concen: 1.281 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

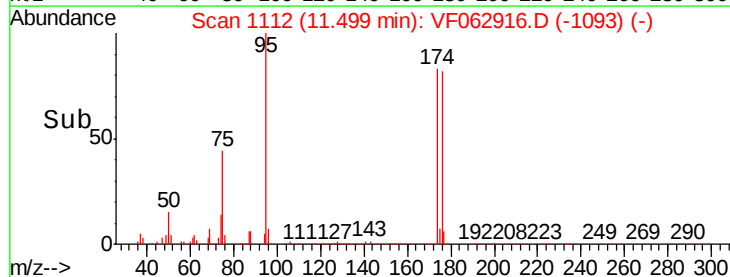
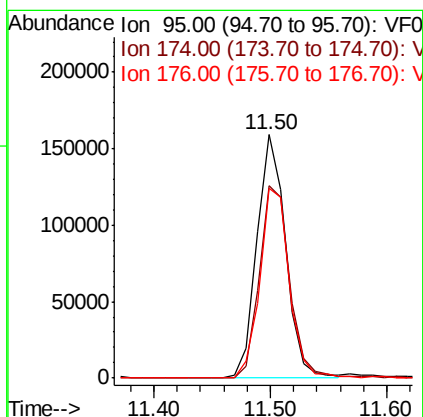
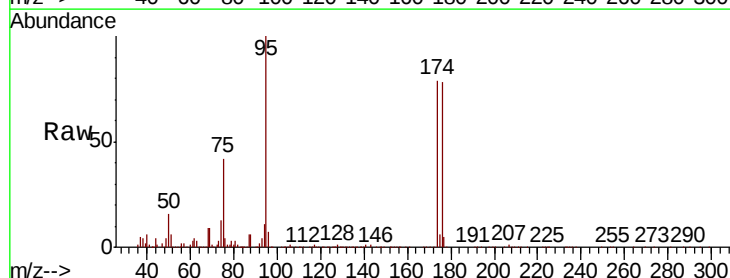
Instrument :
MSVOA_F
ClientSampled :

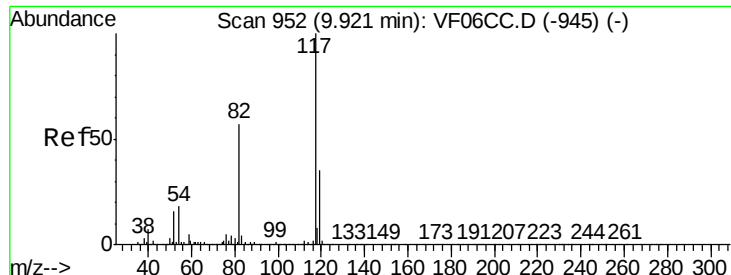
Tot Ion: 43 Resp: 3390
Ion Ratio Lower Upper
43 100
58 57.1 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 35.257 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 95 Resp: 271162
Ion Ratio Lower Upper
95 100
174 79.2 0.0 170.6
176 78.0 0.0 170.6

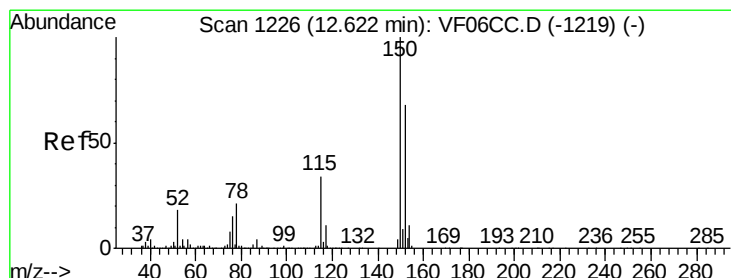
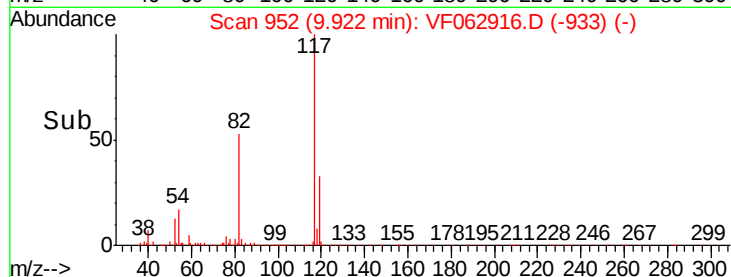
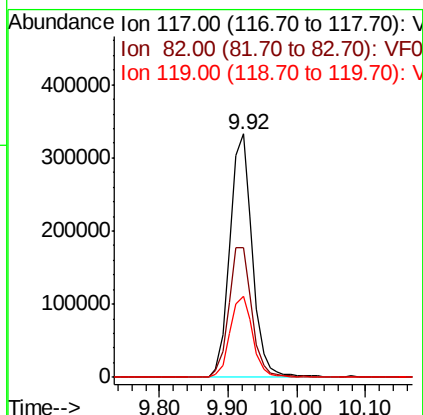
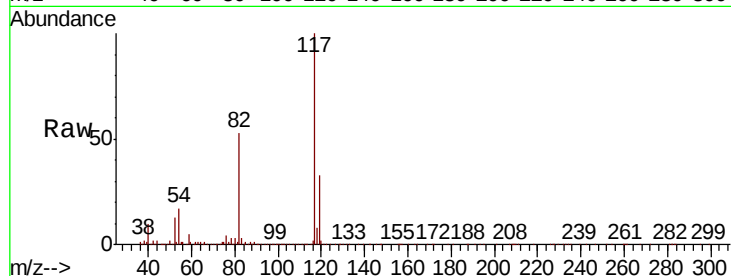




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

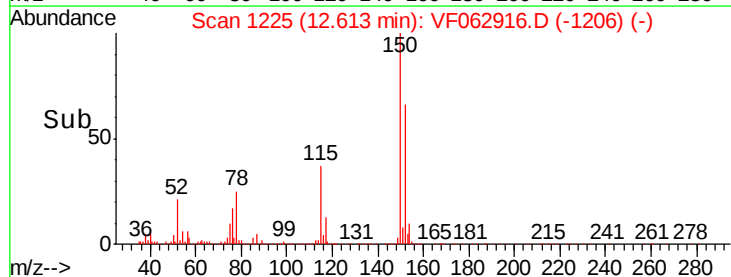
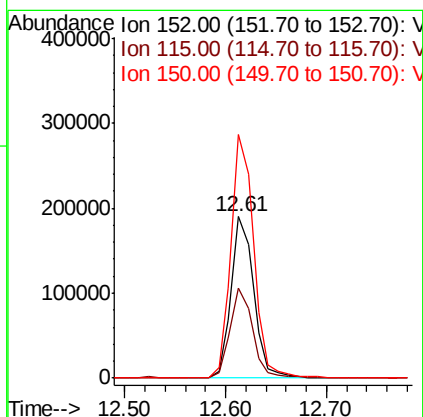
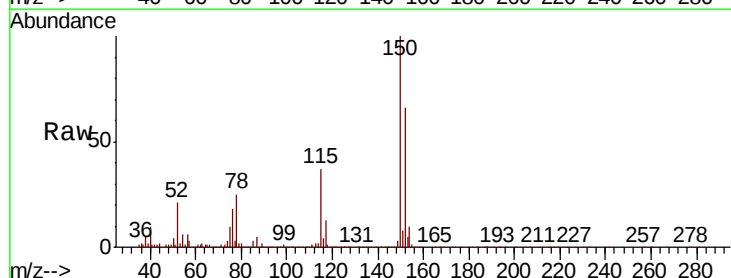
Instrument :
MSVOA_F
ClientSampleId :

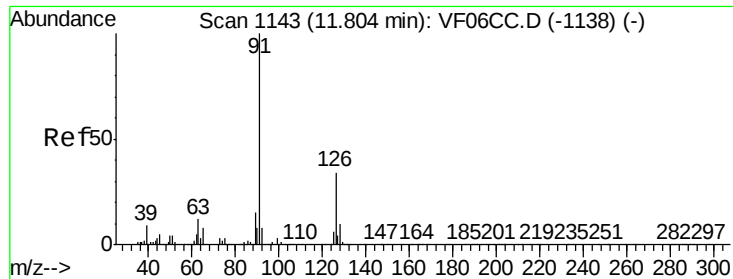
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	33.4	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	24.6	74.0
150	150.7	0.0	290.6

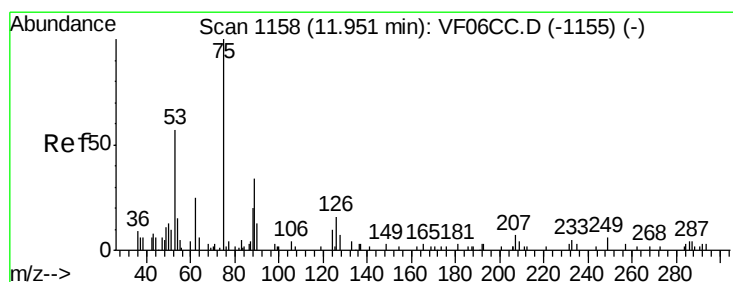
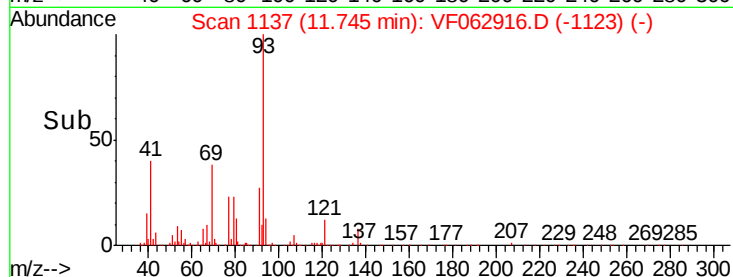
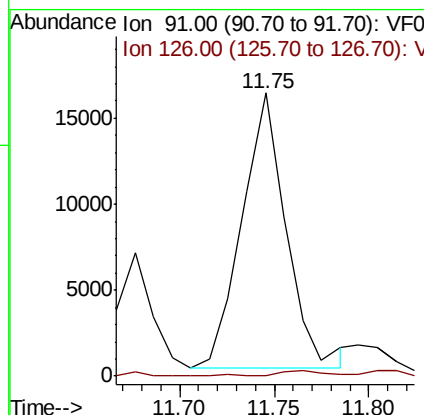
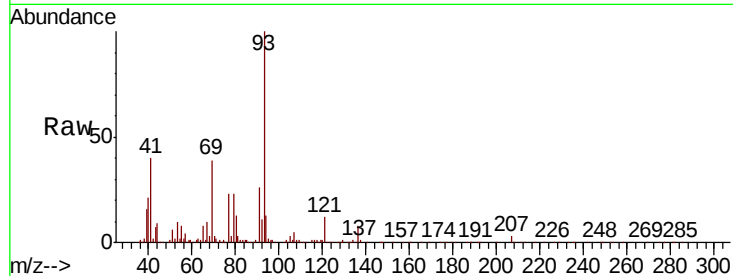




#79
2-Chlorotoluene
Concen: 1.817 ug/l
RT: 11.75 min Scan# 1137
Delta R.T. -0.06 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

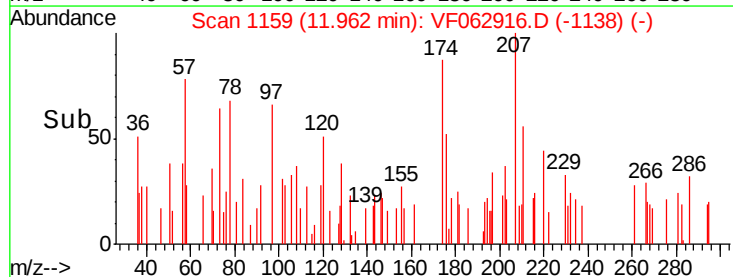
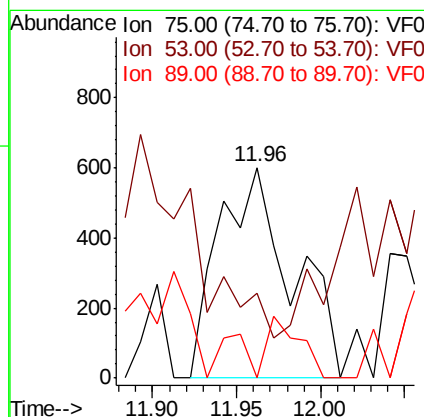
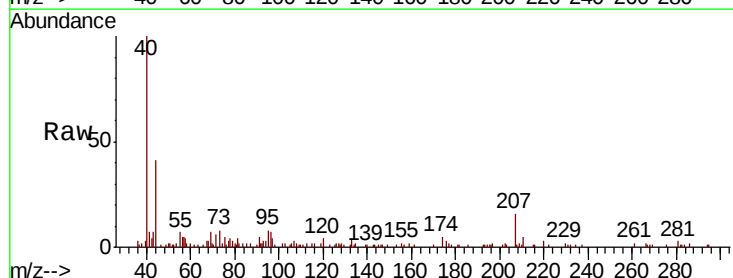
Instrument :
MSVOA_F
ClientSampled :

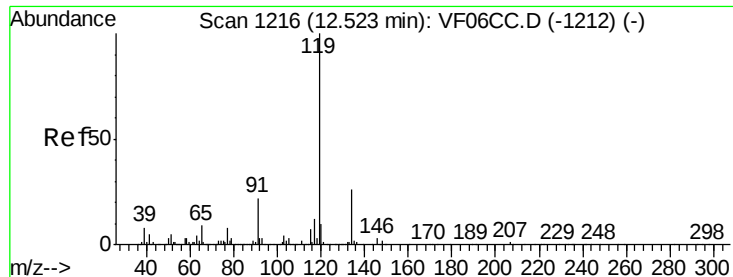
Tot Ion: 91 Resp: 25846
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 1.471 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.01 min
Lab File: VF062916.D
Acq: 10 Jun 2019 19:49

Tgt Ion: 75 Resp: 1815
Ion Ratio Lower Upper
75 100
53 40.4 43.5 65.3#
89 0.0 34.3 51.5#





#86

p-Isopropyltoluene

Concen: 1.447 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062916.D

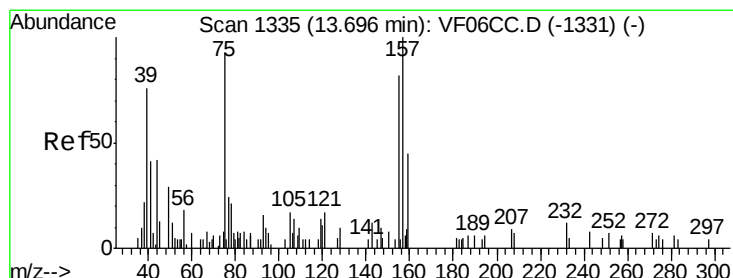
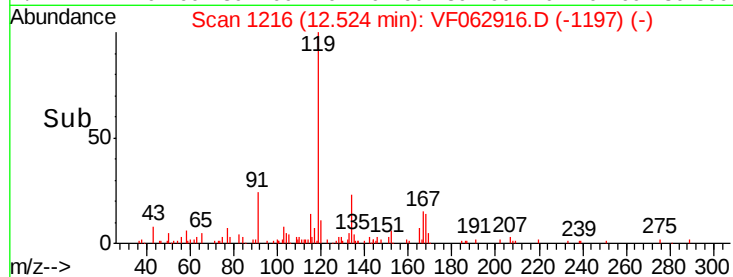
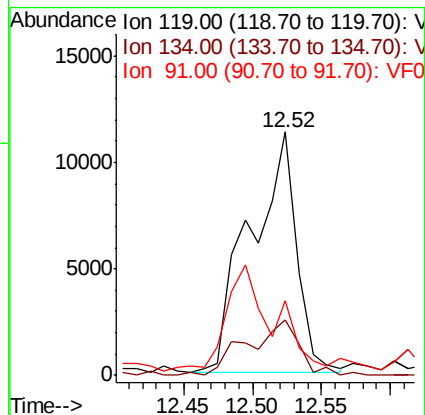
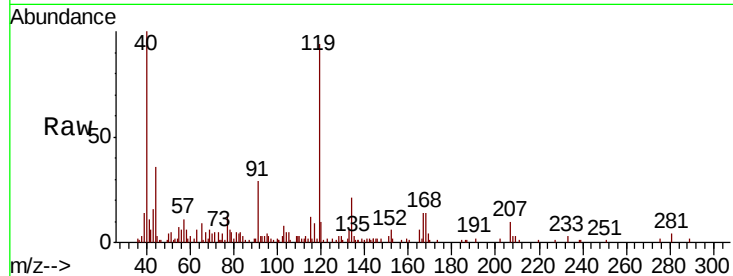
Acq: 10 Jun 2019 19:49

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	119	Resp:	26489
Ion	Ratio	Lower	Upper
119	100		
134	23.0	15.5	46.5
91	30.7	10.3	30.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.695 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062916.D

Acq: 10 Jun 2019 19:49

Tgt Ion:	75	Resp:	812
Ion	Ratio	Lower	Upper
75	100		
155	609.5	51.7	155.1#
157	0.0	66.8	200.6#

