

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062928.D
 Acq On : 12 Jun 2019 15:31
 Operator : FY/SY
 Sample : K3294-01
 Misc : 4.50g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:31:07 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	5.05	168	664777	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1142105	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	915593	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	372662	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	226440	49.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	4.31	113	125969	14.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	29.20%	
50) Toluene-d8	7.71	98	871153	39.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.84%	
62) 4-Bromofluorobenzene	11.49	95	326364	41.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.14%	

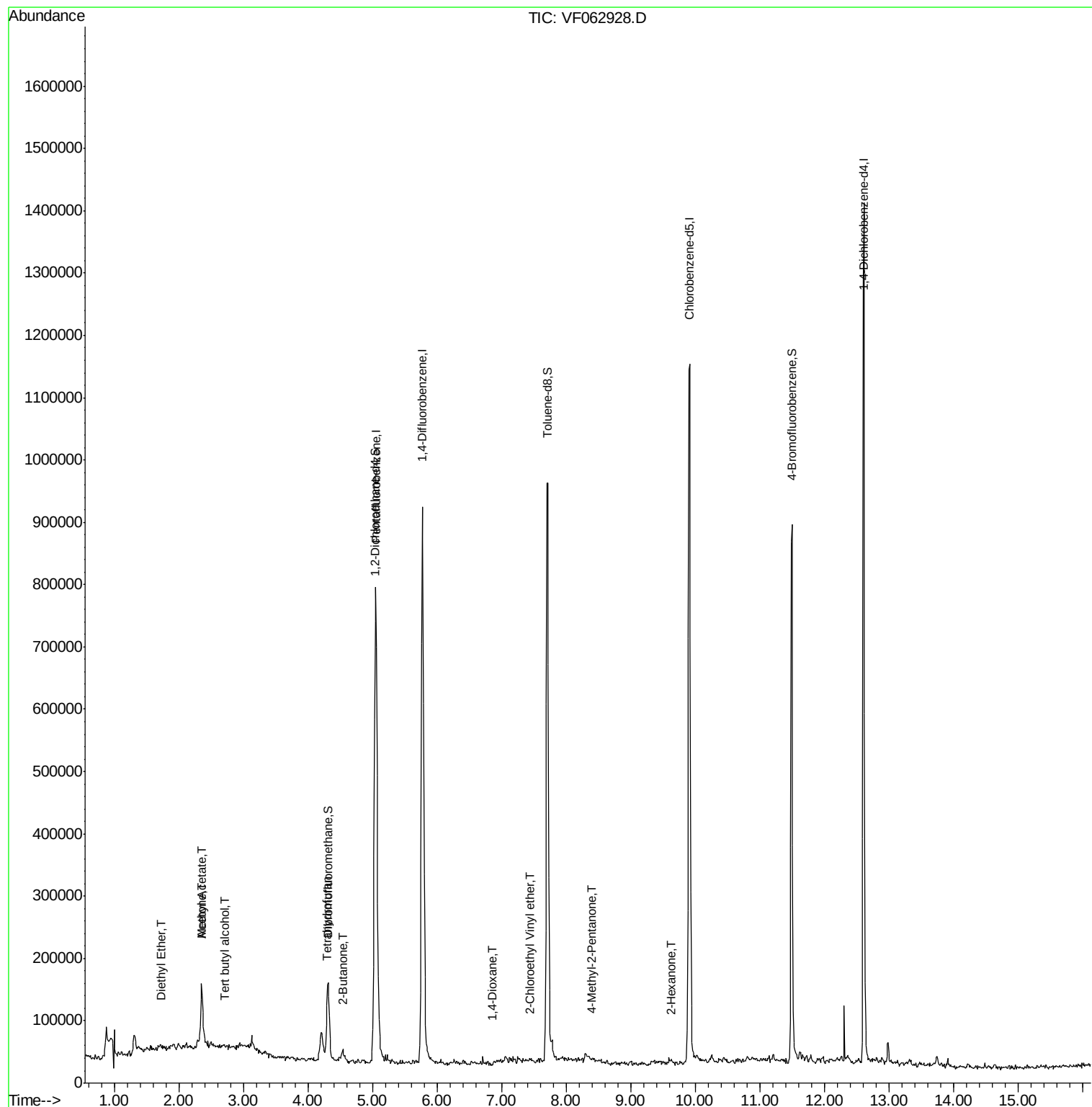
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.04	85	2086	Below Cal		76
8) Diethyl Ether	1.71	74	3158	1.659	ug/l	77
11) Tert butyl alcohol	2.69	59	2191	7.868	ug/l #	36
13) Acrolein	2.11	56	614	Below Cal	#	1
16) Acetone	2.35	43	170674	162.215	ug/l	98
18) Methyl Acetate	2.35	43	168555	91.675	ug/l #	48
25) 2-Butanone	4.53	43	36642	14.955	ug/l	95
29) Tetrahydrofuran	4.28	42	1559	1.664	ug/l #	29
49) 1,4-Dioxane	6.85	88	206	5.712	ug/l #	19
51) 4-Methyl-2-Pentanone	8.40	43	6572	1.734	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.44	63	3011	1.631	ug/l #	71
59) 2-Hexanone	9.62	43	6958	2.575	ug/l	69

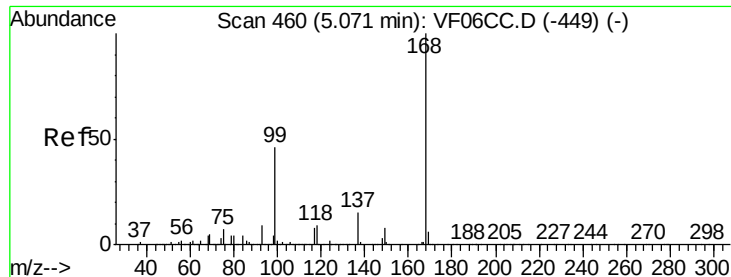
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062928.D

Acq: 12 Jun 2019 15:31

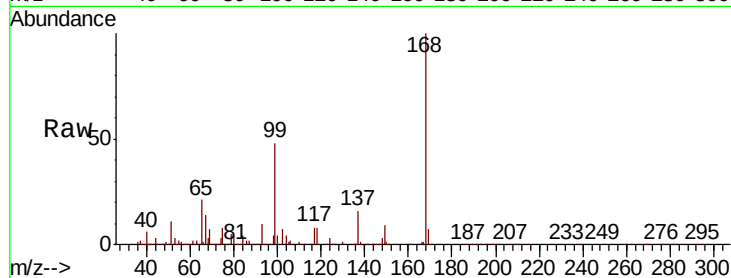
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 664777

Ion Ratio Lower Upper

168 100

99 48.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

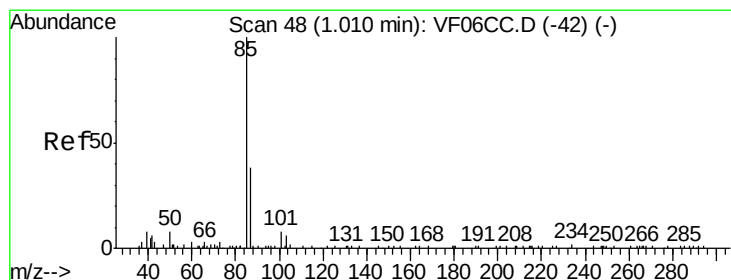
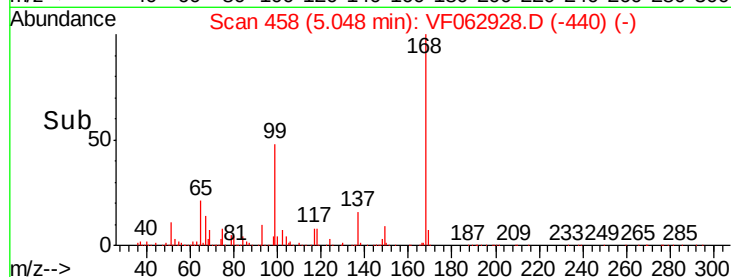
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.04 min Scan# 51

Delta R.T. 0.03 min

Lab File: VF062928.D

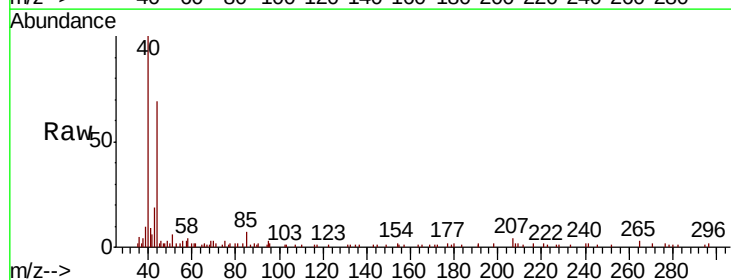
Acq: 12 Jun 2019 15:31

Tgt Ion: 85 Resp: 2086

Ion Ratio Lower Upper

85 100

87 21.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.04

800

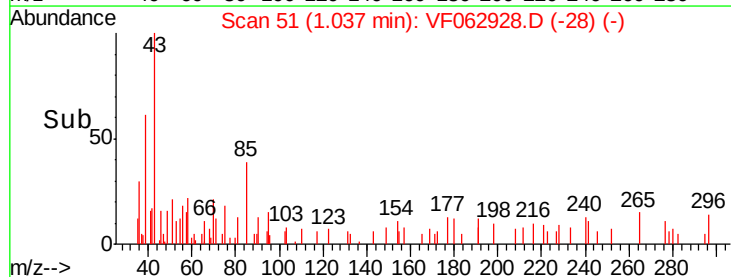
600

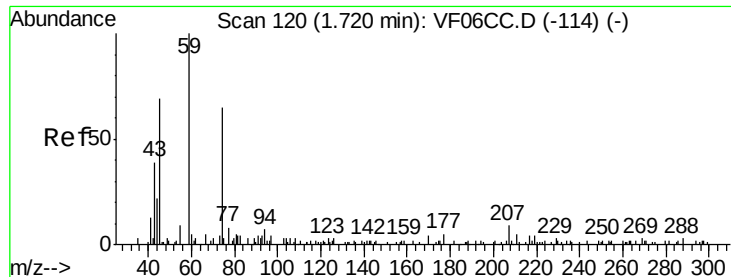
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.659 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062928.D

Acq: 12 Jun 2019 15:31

Instrument :

MSVOA_F

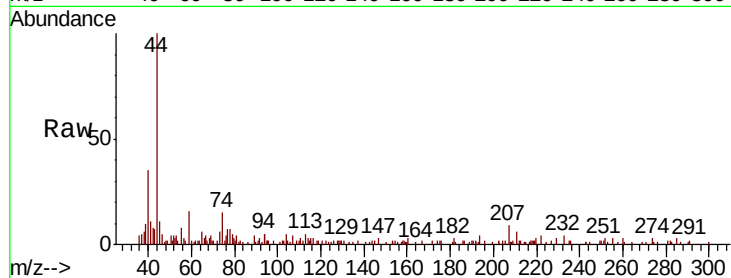
ClientSampleId :

Tot Ion: 74 Resp: 3158

Ion Ratio Lower Upper

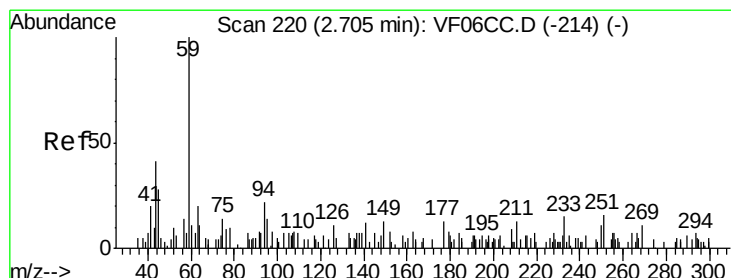
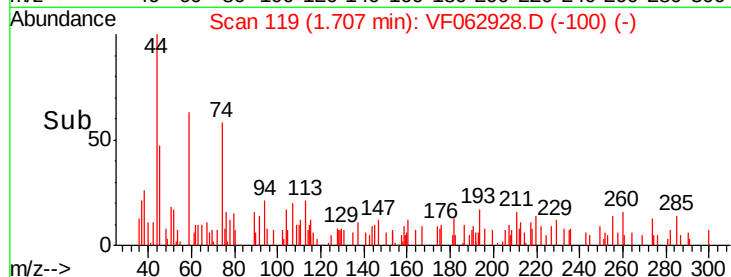
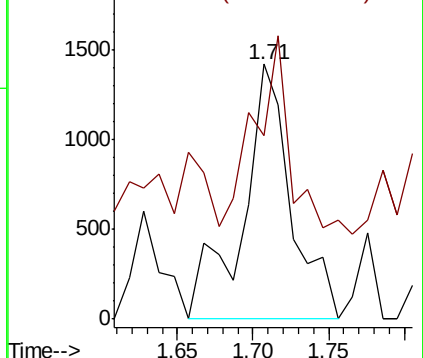
74 100

45 72.2 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 7.868 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF062928.D

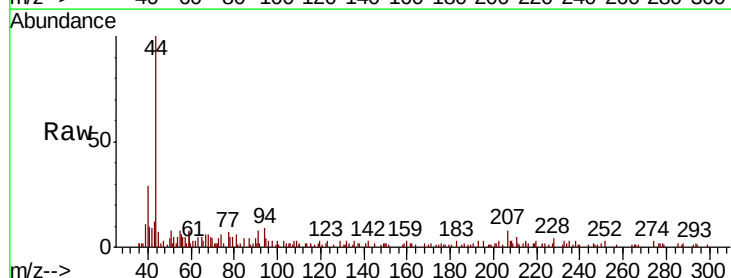
Acq: 12 Jun 2019 15:31

Tgt Ion: 59 Resp: 2191

Ion Ratio Lower Upper

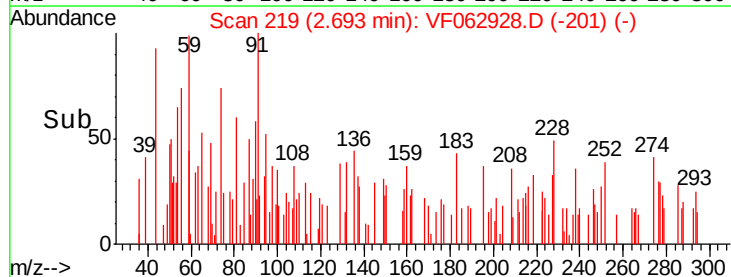
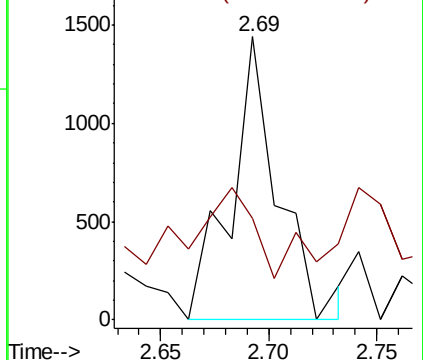
59 100

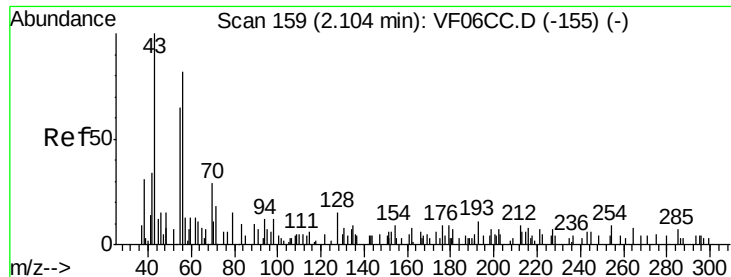
57 36.1 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

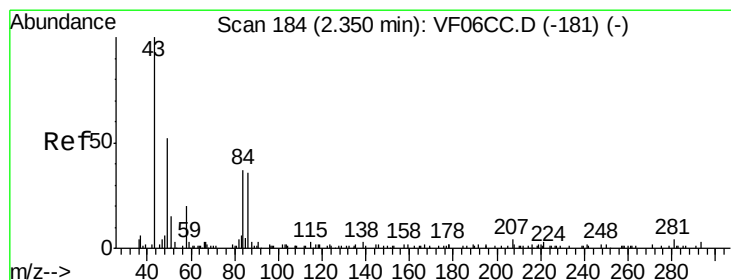
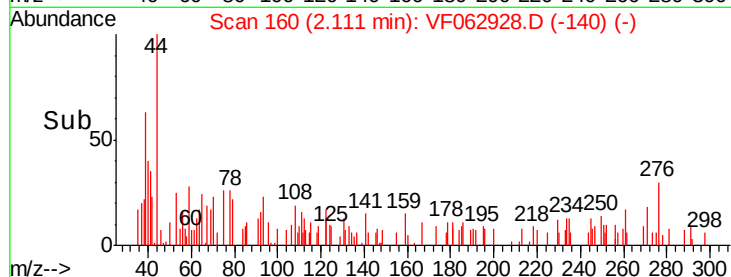
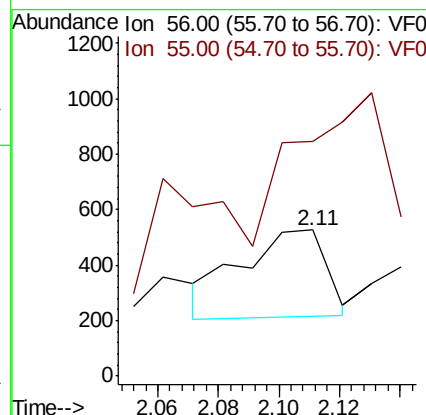
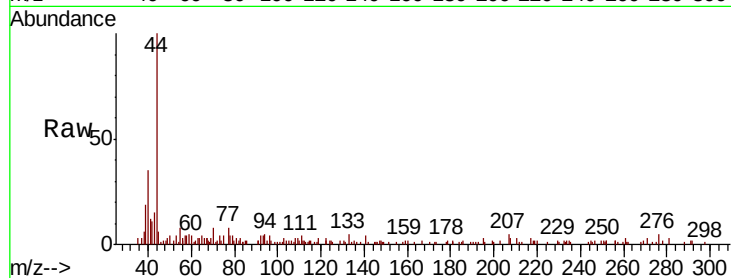




#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

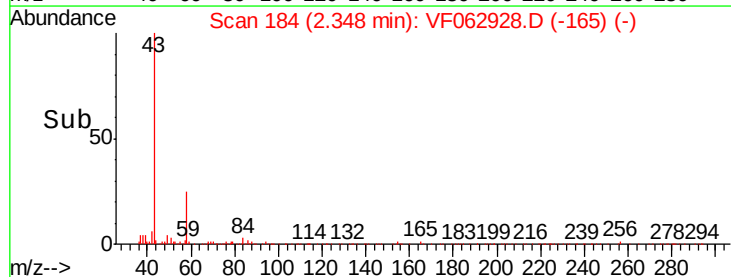
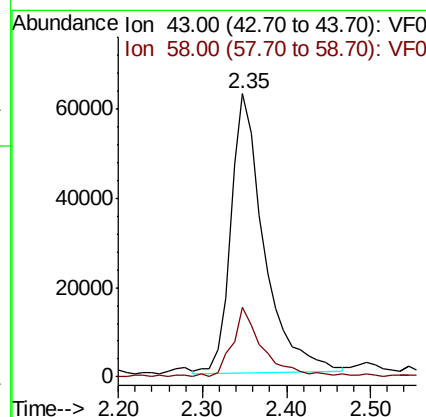
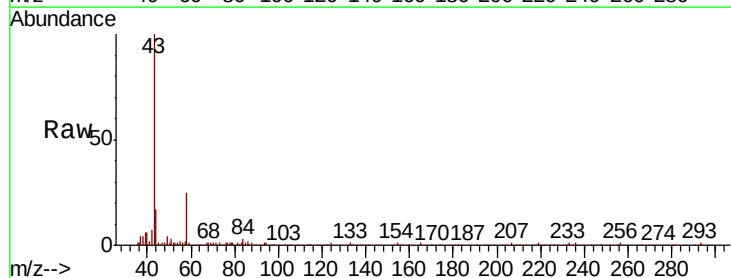
Instrument :
MSVOA_F
ClientSampleId :

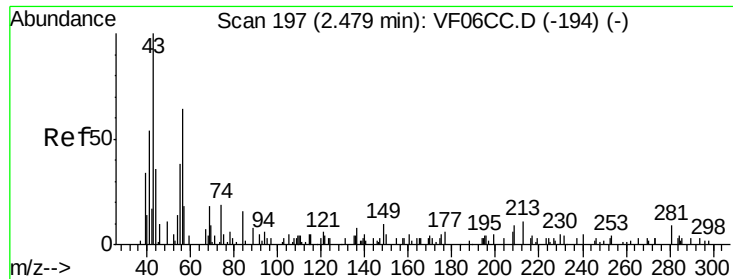
Tot Ion: 56 Resp: 614
Ion Ratio Lower Upper
56 100
55 160.3 52.9 79.3#



#16
Acetone
Concen: 162.215 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion: 43 Resp: 170674
Ion Ratio Lower Upper
43 100
58 24.6 19.0 28.4

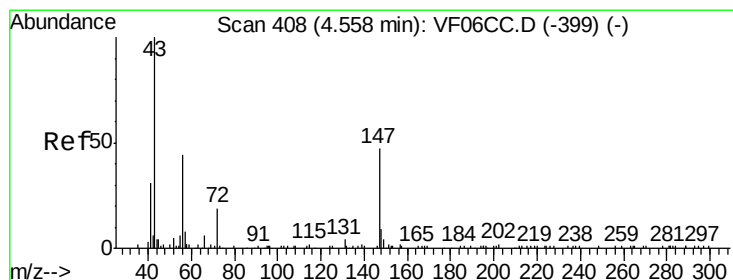
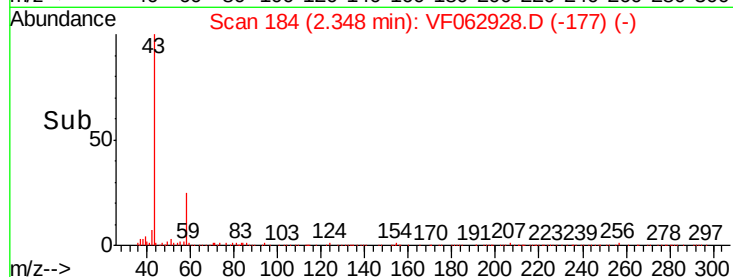
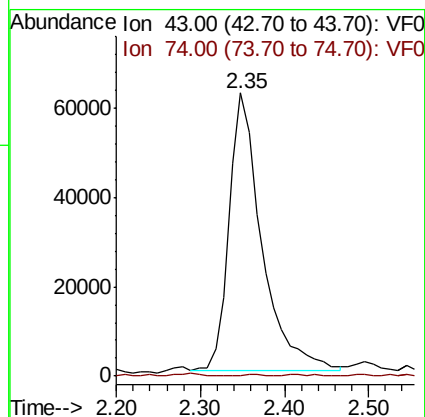
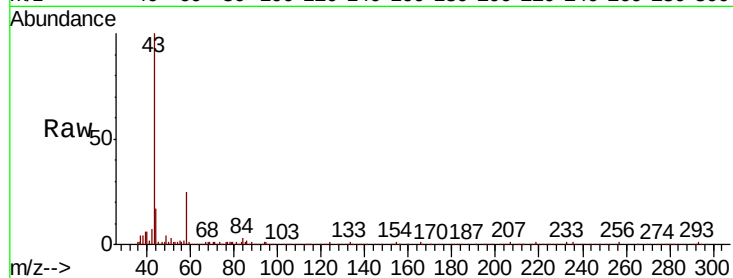




#18
Methyl Acetate
Concen: 91.675 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.13 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

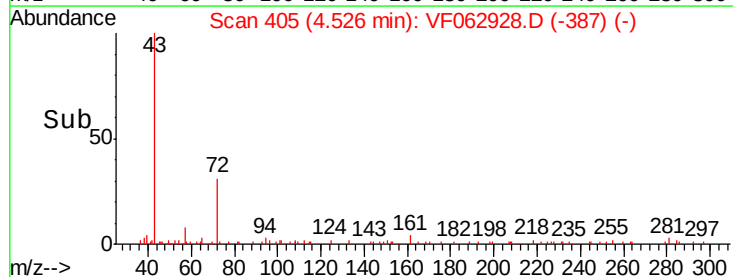
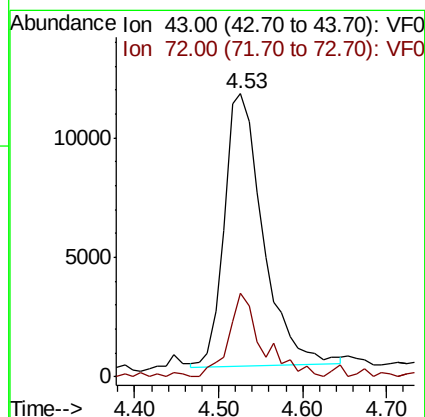
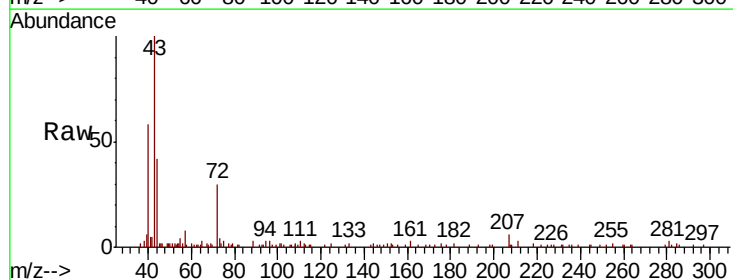
Instrument :
MSVOA_F
ClientSampled :

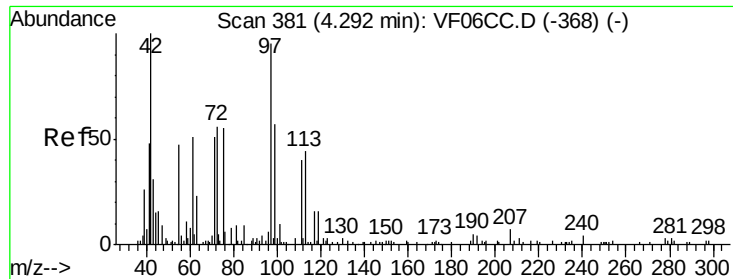
Tot Ion: 43 Resp: 168555
Ion Ratio Lower Upper
43 100
74 0.3 22.1 33.1#



#25
2-Butanone
Concen: 14.955 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion: 43 Resp: 36642
Ion Ratio Lower Upper
43 100
72 29.5 21.4 32.0





#29

Tetrahydrofuran

Concen: 1.664 ug/l

RT: 4.28 min Scan# 380

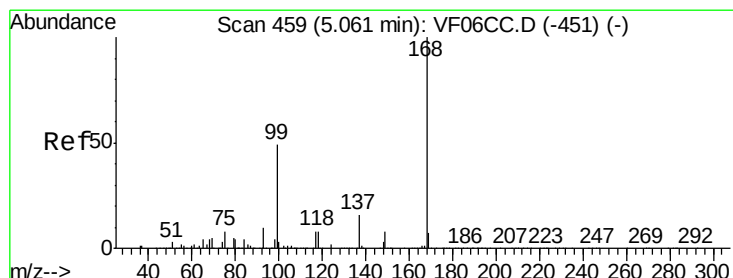
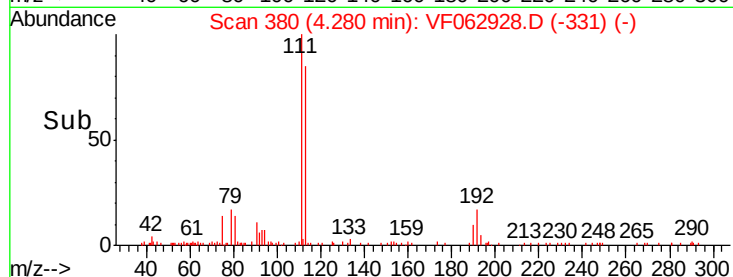
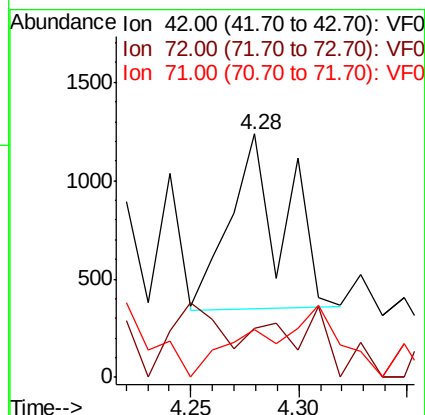
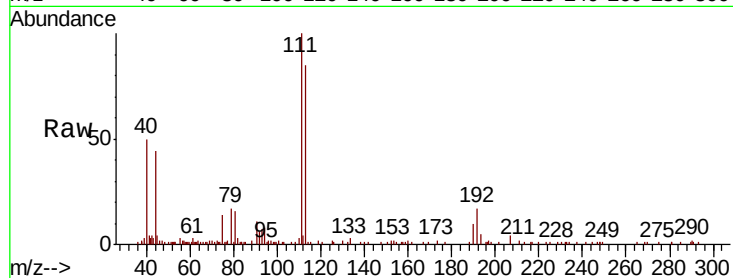
Delta R.T. -0.01 min

Lab File: VF062928.D

Acq: 12 Jun 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	1559
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.0	58.6#
71	0.0	36.9	55.3#



#33

1,2-Dichloroethane-d4

Concen: 49.258 ug/l

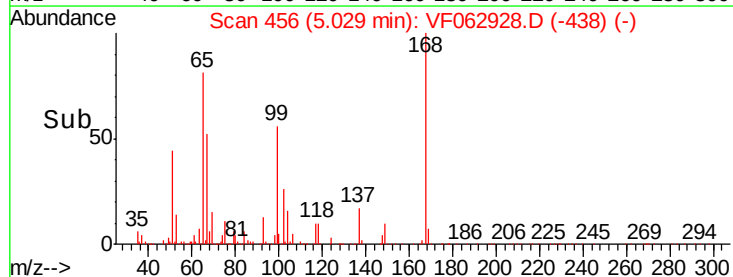
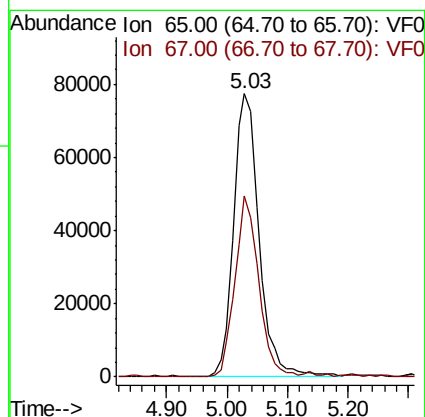
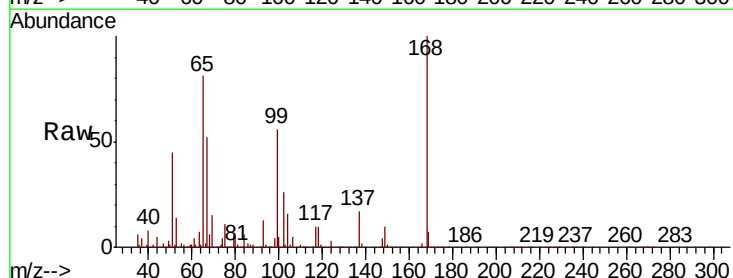
RT: 5.03 min Scan# 456

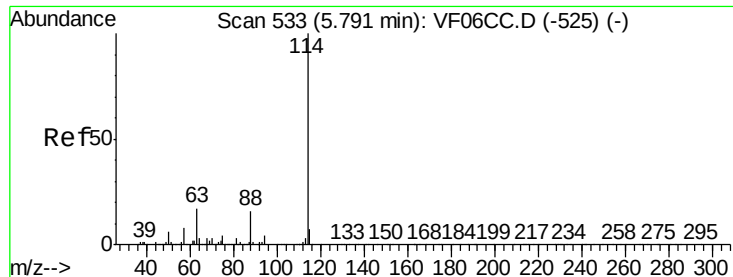
Delta R.T. -0.02 min

Lab File: VF062928.D

Acq: 12 Jun 2019 15:31

Tgt Ion:	65	Resp:	226440
Ion	Ratio	Lower	Upper
65	100		
67	64.2	0.0	121.2

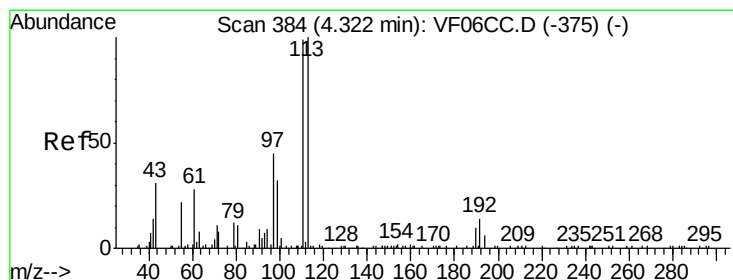
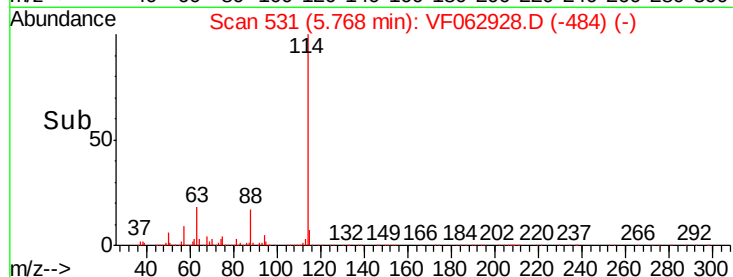
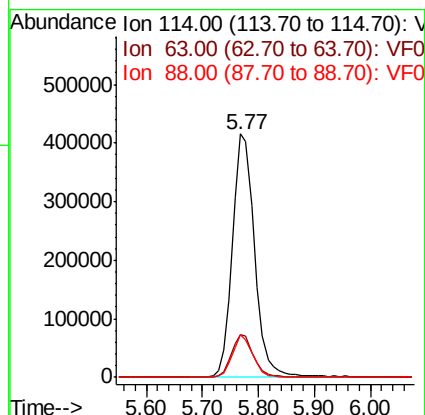
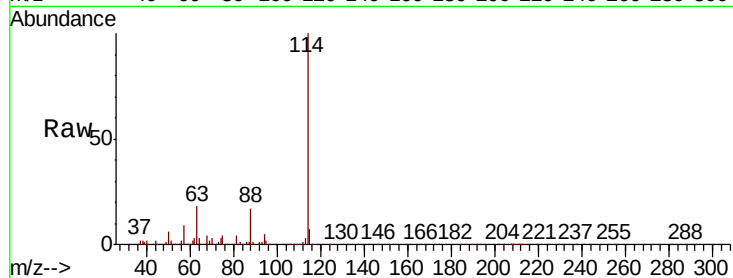




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.03 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

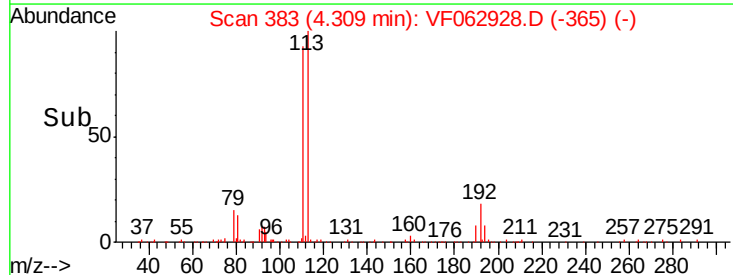
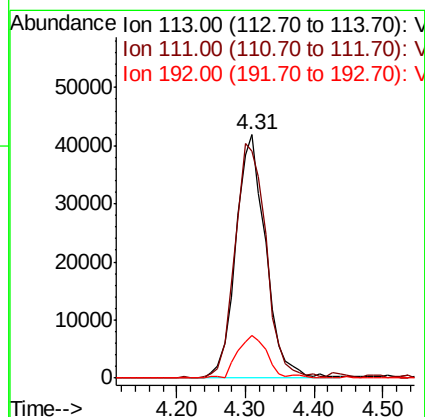
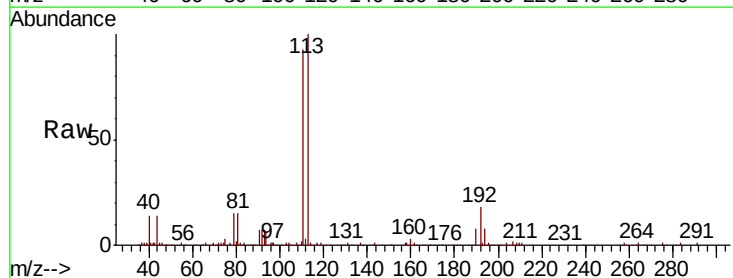
Instrument :
MSVOA_F
ClientSampled :

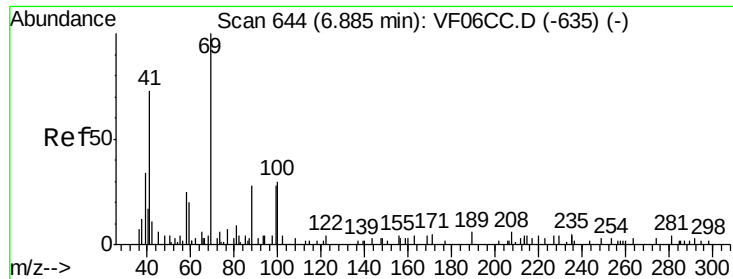
Tot Ion:114 Resp: 1142105
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.2
88 17.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 14.596 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion:113 Resp: 125969
Ion Ratio Lower Upper
113 100
111 93.4 81.9 122.9
192 17.8 15.1 22.7

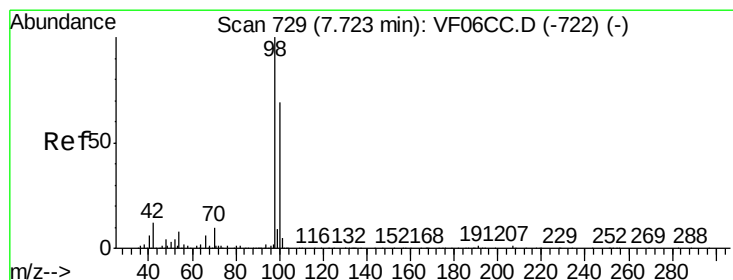
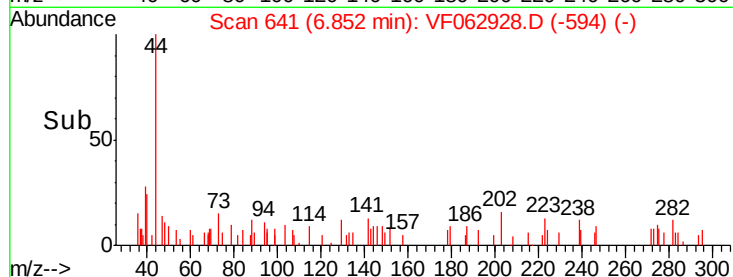
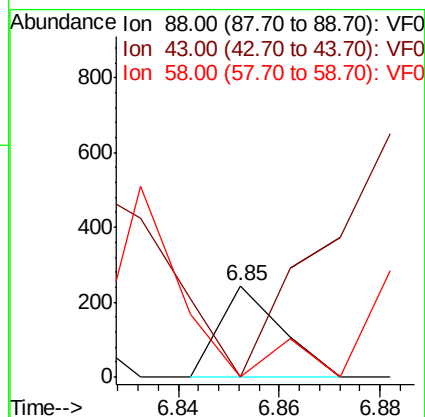
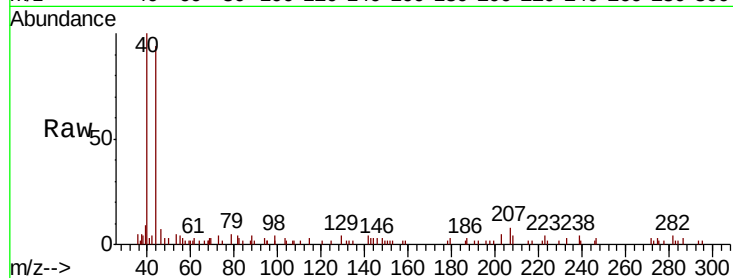




#49
1,4-Dioxane
Concen: 5.712 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

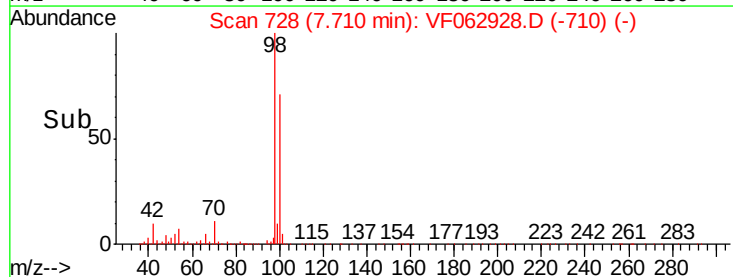
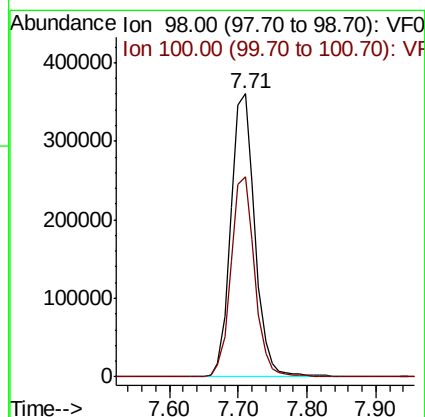
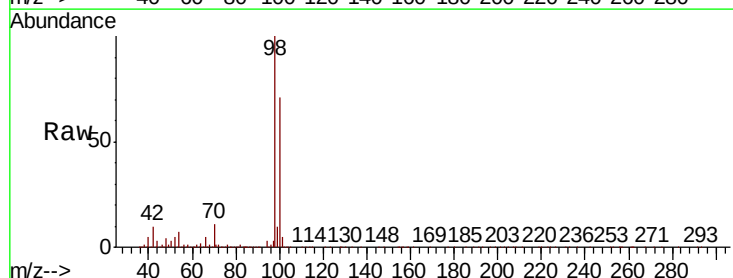
Instrument :
MSVOA_F
ClientSampleId :

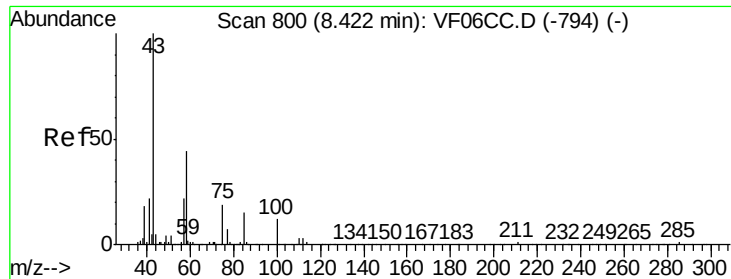
Tot Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 39.917 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion: 98 Resp: 871153
Ion Ratio Lower Upper
98 100
100 70.7 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 1.734 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062928.D

Acq: 12 Jun 2019 15:31

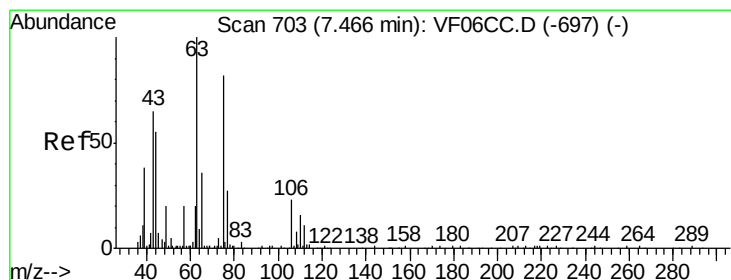
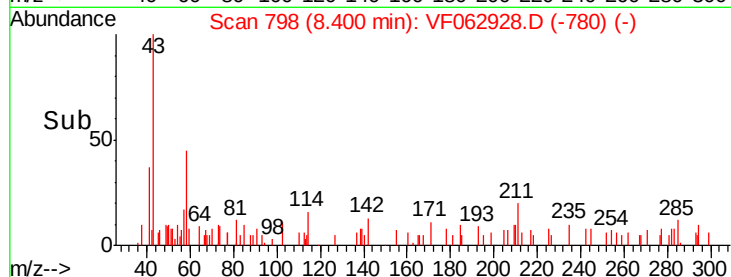
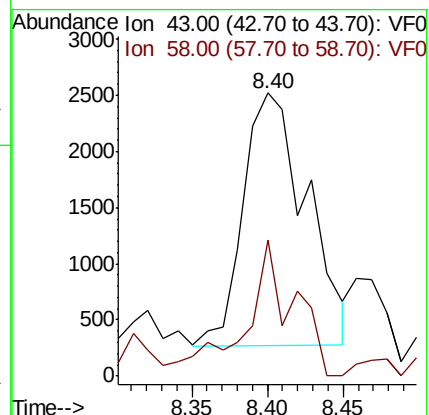
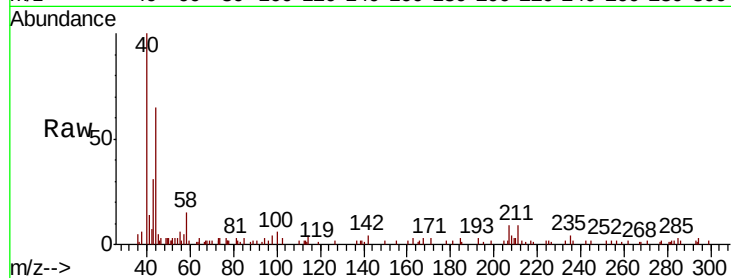
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 6572

Ion Ratio Lower Upper

43 100

58 48.3 35.5 53.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.631 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062928.D

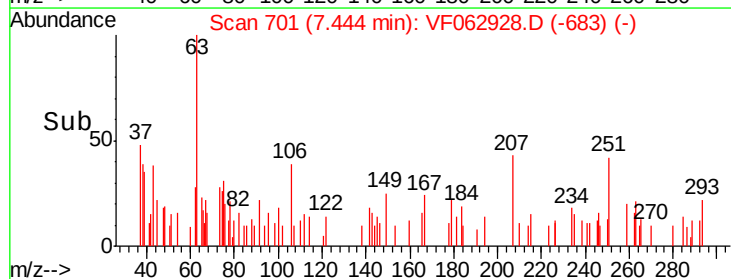
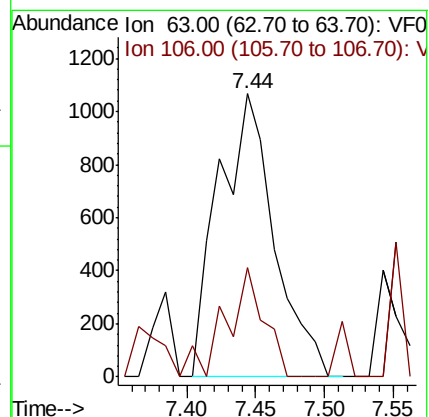
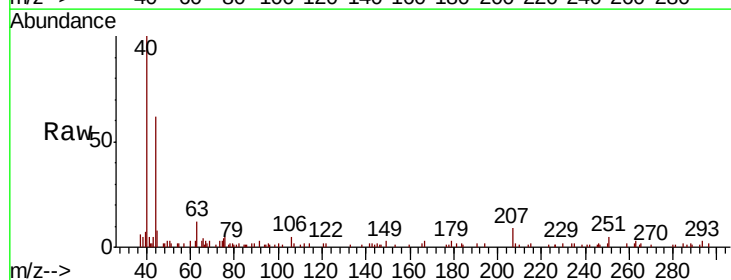
Acq: 12 Jun 2019 15:31

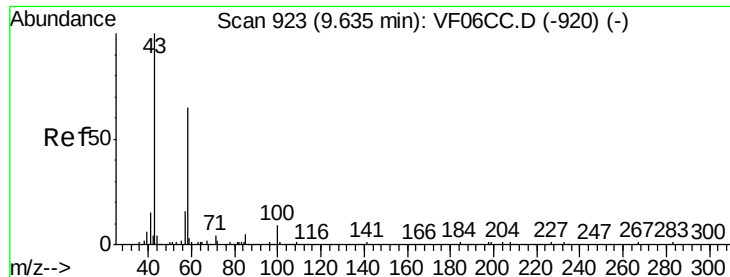
Tgt Ion: 63 Resp: 3011

Ion Ratio Lower Upper

63 100

106 38.6 19.5 29.3#

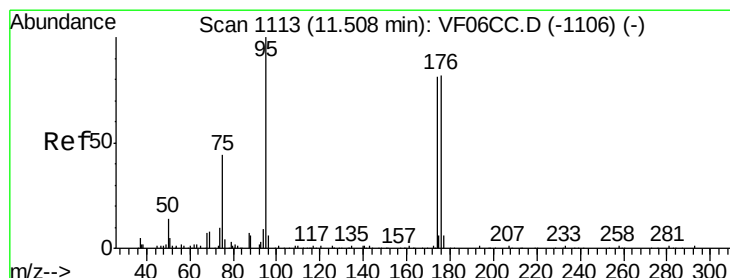
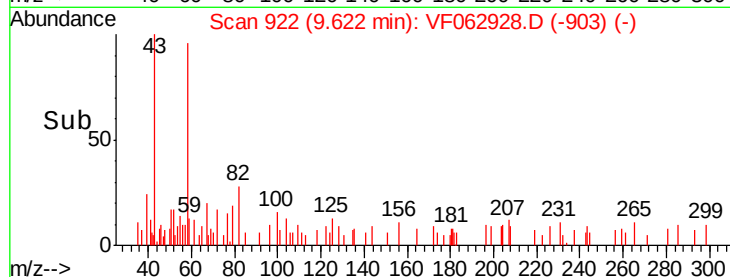
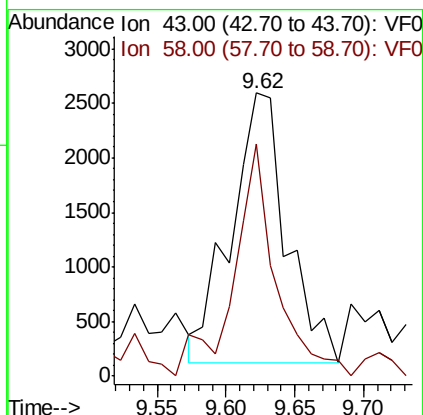
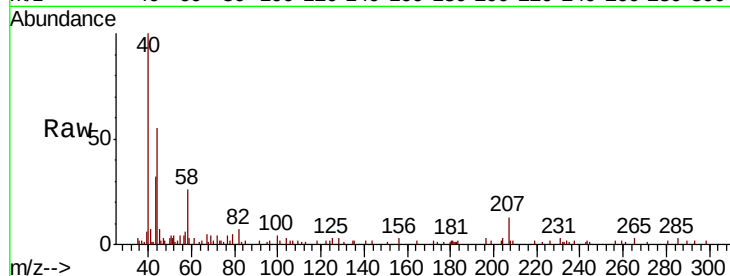




#59
2-Hexanone
Concen: 2.575 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

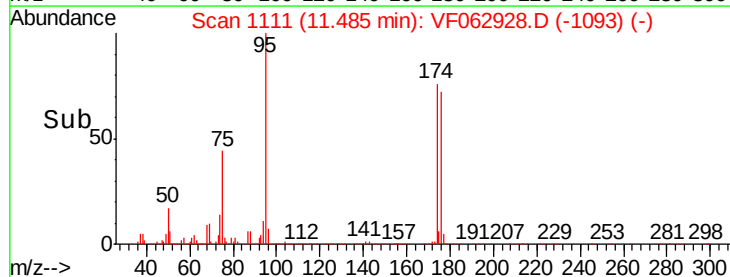
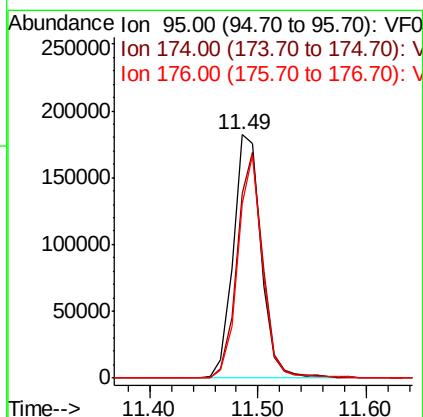
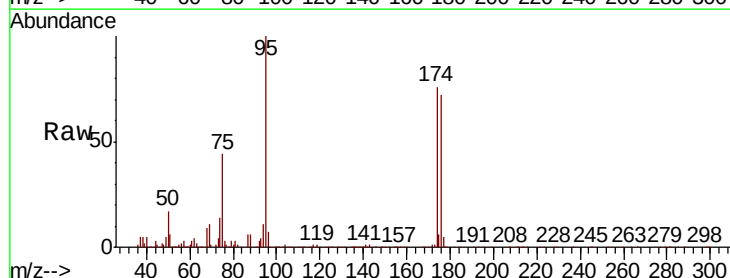
Instrument :
MSVOA_F
ClientSampled :

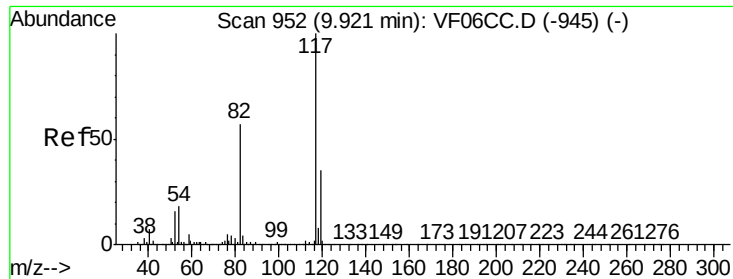
Tot Ion: 43 Resp: 6958
Ion Ratio Lower Upper
43 100
58 82.0 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 41.573 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion: 95 Resp: 326364
Ion Ratio Lower Upper
95 100
174 76.0 0.0 170.6
176 71.5 0.0 170.6

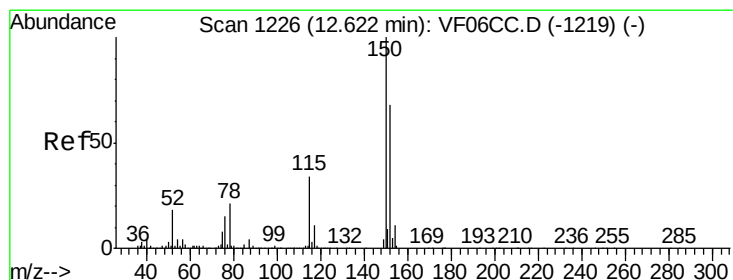
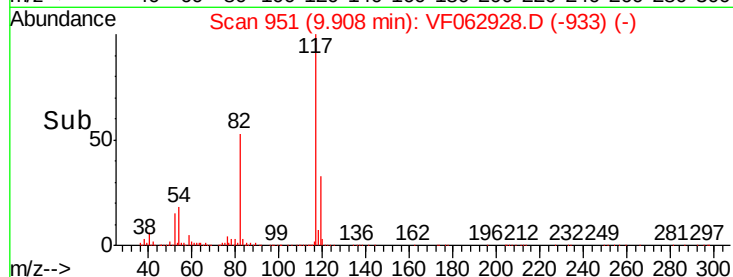
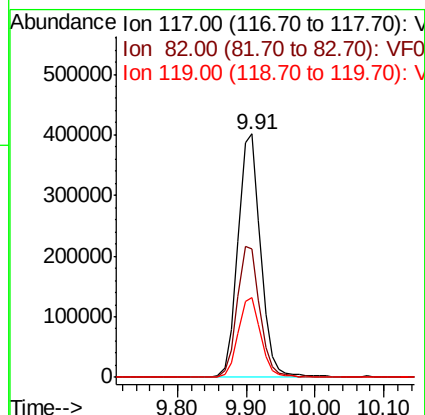
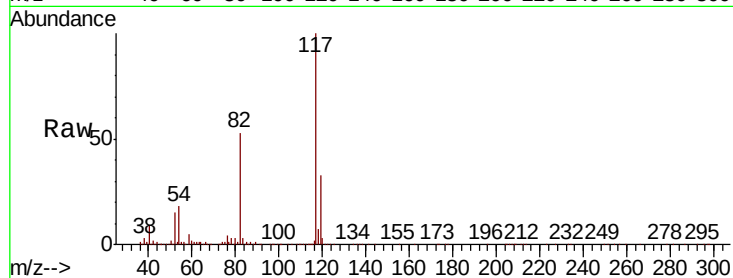




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062928.D
Acq: 12 Jun 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 915593
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 32.7 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: VF062928.D
Acq: 12 Jun 2019 15:31

Tgt Ion:152 Resp: 372662
Ion Ratio Lower Upper
152 100
115 54.6 24.6 74.0
150 152.9 0.0 290.6

