

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062863.D
 Acq On : 5 Jun 2019 14:15
 Operator : FY/SY
 Sample : K3151-01RE
 Misc : 4.45g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:01:04 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	534934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	899951	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	528937	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	134486	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	149832	40.50	ug/l	0.00
Spiked Amount			Recovery	=	81.00%	
35) Dibromofluoromethane	4.33	113	266906	39.25	ug/l	0.00
Spiked Amount			Recovery	=	78.50%	
50) Toluene-d8	7.72	98	308696	17.95	ug/l	-0.01
Spiked Amount			Recovery	=	35.90%	
62) 4-Bromofluorobenzene	11.50	95	117539	19.00	ug/l	-0.01
Spiked Amount			Recovery	=	38.00%	

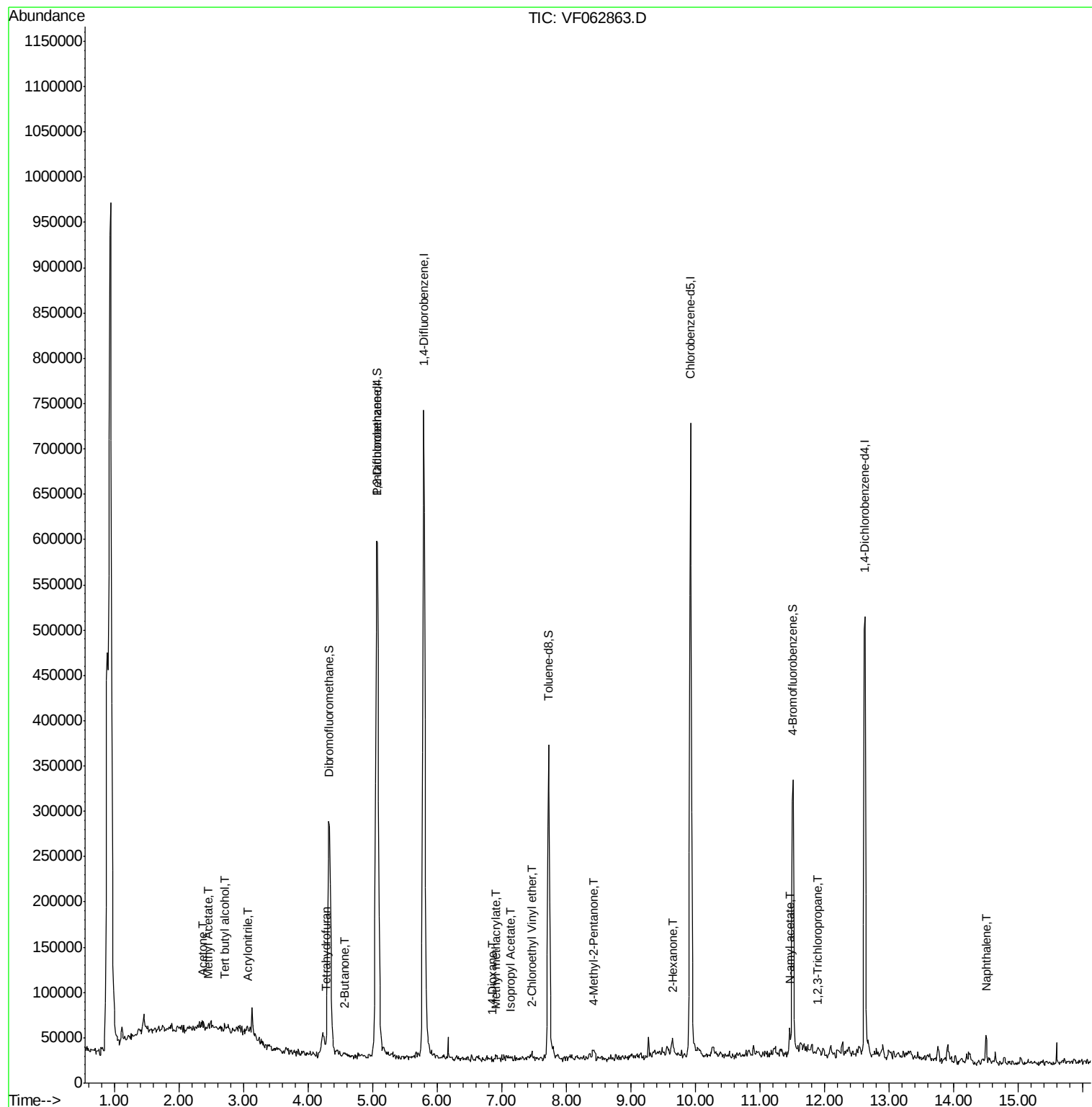
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	1628	Below Cal		70
11) Tert butyl alcohol	2.71	59	2153	9.608	ug/l #	1
15) Acrylonitrile	3.05	53	2113	2.509	ug/l #	65
16) Acetone	2.37	43	2787	3.292	ug/l #	87
18) Methyl Acetate	2.47	43	10547	7.129	ug/l	98
20) Methylene Chloride	2.36	84	4872	Below Cal	#	80
25) 2-Butanone	4.58	43	3231	1.639	ug/l #	87
29) Tetrahydrofuran	4.27	42	1019	1.351	ug/l #	1
43) Isopropyl Acetate	7.14	43	6770	1.618	ug/l #	74
48) Methyl methacrylate	6.91	41	3038	1.409	ug/l #	48
49) 1,4-Dioxane	6.86	88	227	7.987	ug/l #	36
51) 4-Methyl-2-Pentanone	8.42	43	11538	3.863	ug/l #	79
58) 2-Chloroethyl Vinyl ether	7.48	63	2535	1.742	ug/l #	51
59) 2-Hexanone	9.65	43	17029	7.999	ug/l	91
74) N-amyl acetate	11.46	43	20285	7.670	ug/l #	90
76) 1,2,3-Trichloropropane	11.87	75	1421	1.070	ug/l	70
95) Naphthalene	14.50	128	17544	4.267	ug/l #	92

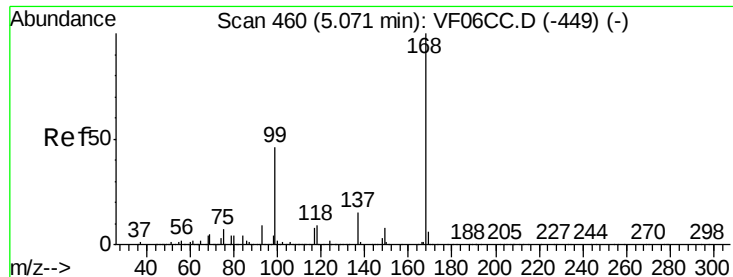
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

Instrument :

MSVOA_F

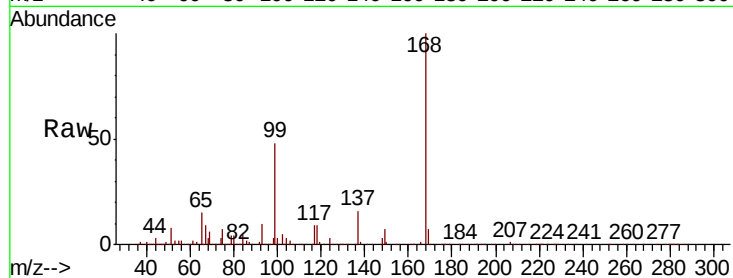
ClientSampleId :

Tot Ion:168 Resp: 534934

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

5.07

200000

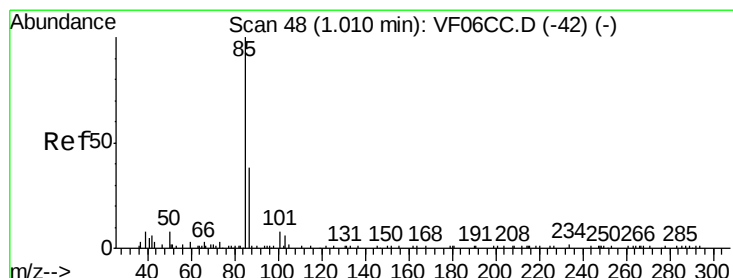
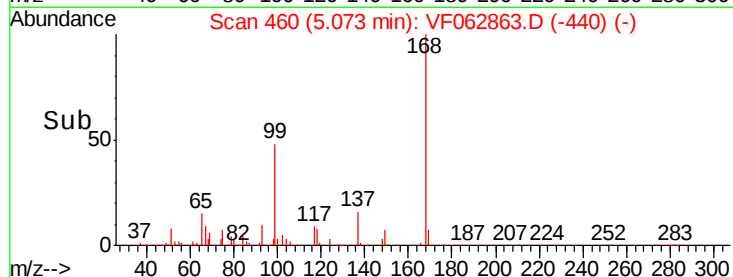
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062863.D

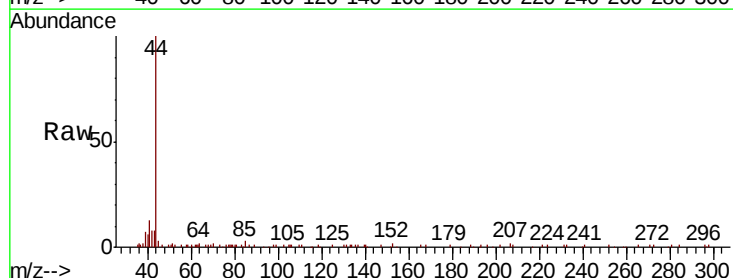
Acq: 5 Jun 2019 14:15

Tgt Ion: 85 Resp: 1628

Ion Ratio Lower Upper

85 100

87 17.7 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

800

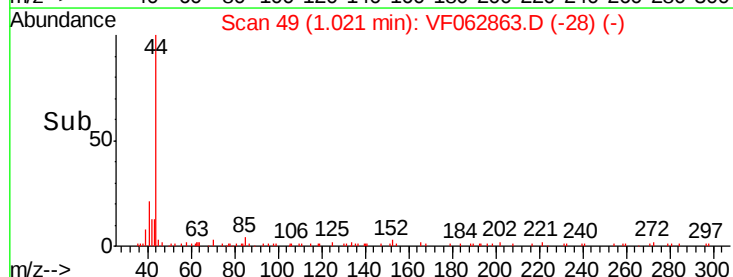
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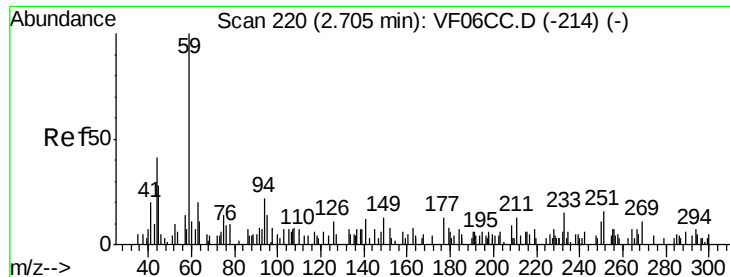
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200

0

Time-->

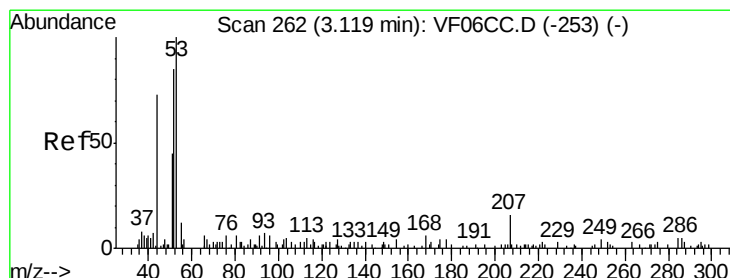
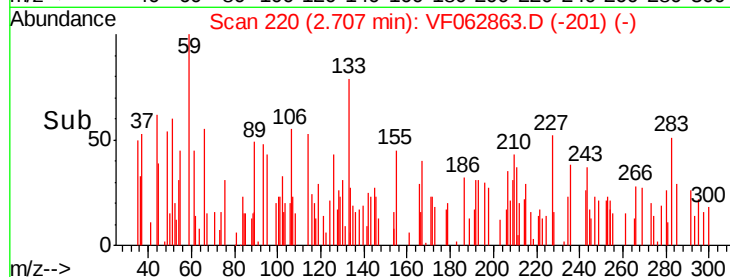
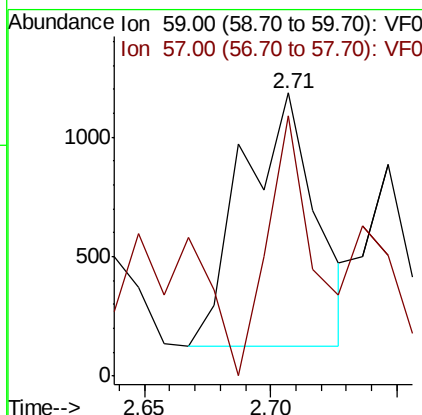
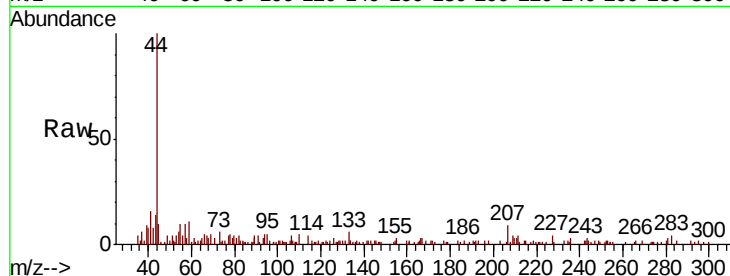




#11
Tert butvl alcohol
Concen: 9.608 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

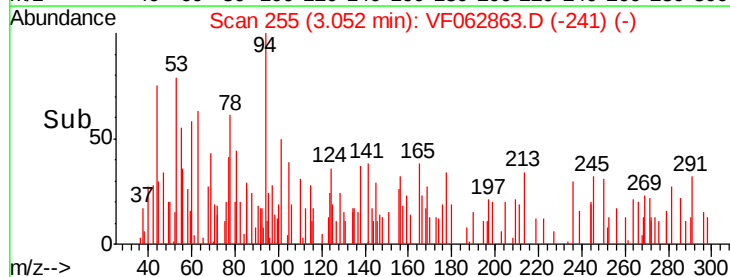
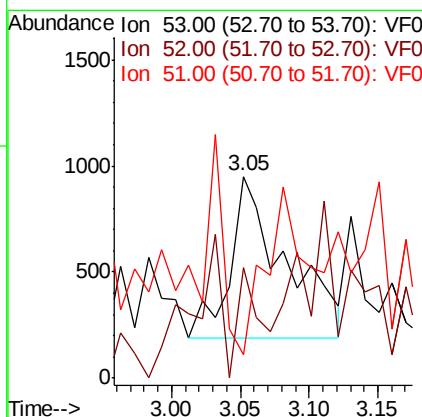
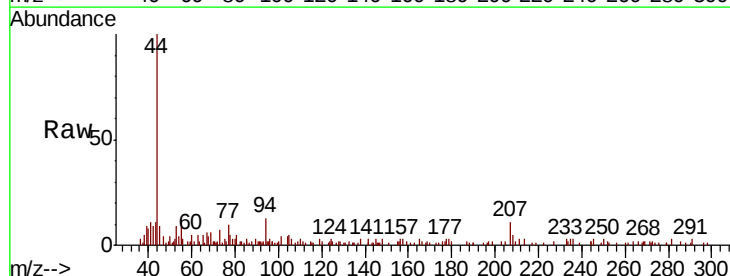
Instrument :
MSVOA_F
ClientSampleId :

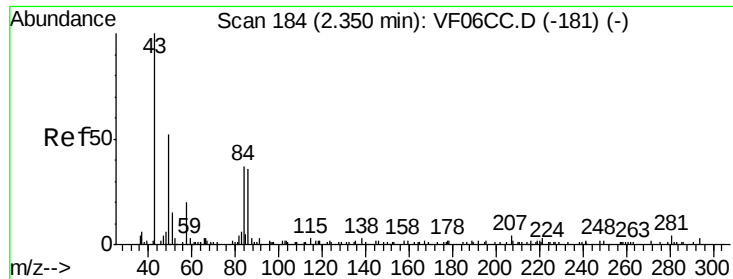
Tot Ion: 59 Resp: 2153
Ion Ratio Lower Upper
59 100
57 92.0 9.2 13.8#



#15
Acrylonitrile
Concen: 2.509 ug/l
RT: 3.05 min Scan# 255
Delta R.T. -0.06 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 53 Resp: 2113
Ion Ratio Lower Upper
53 100
52 54.5 68.1 102.1#
51 11.4 27.7 41.5#

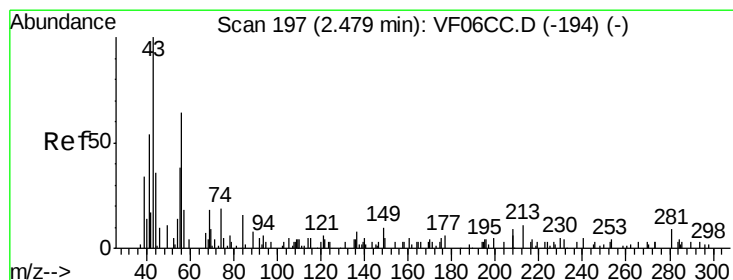
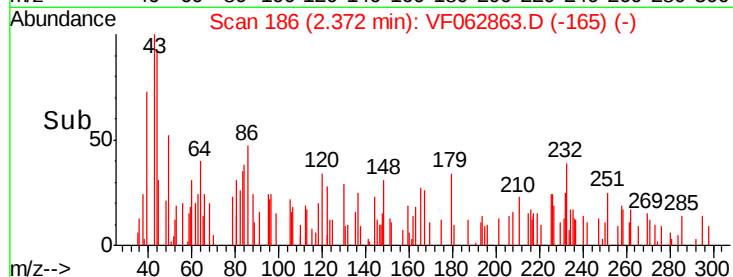
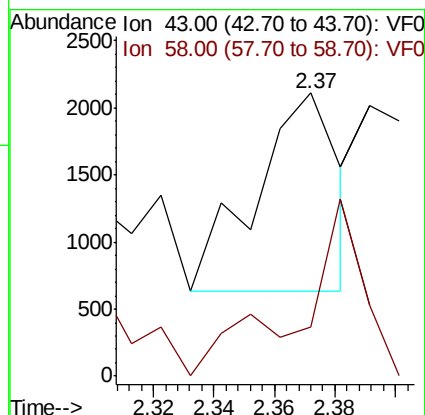
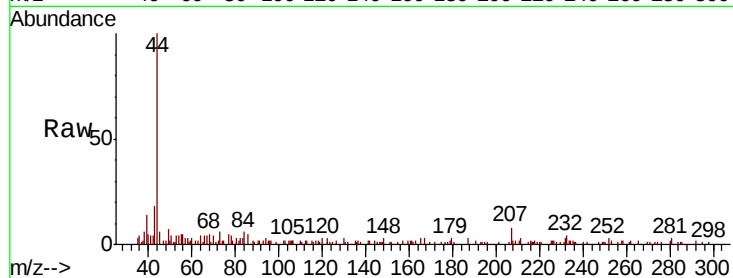




#16
Acetone
Concen: 3.292 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

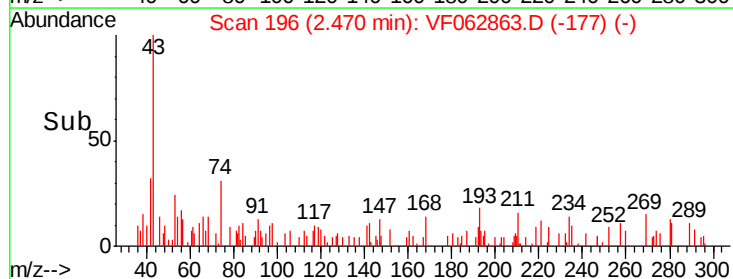
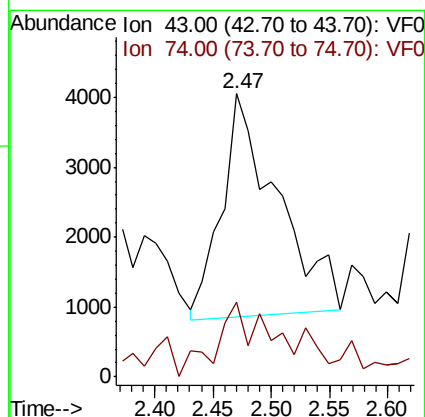
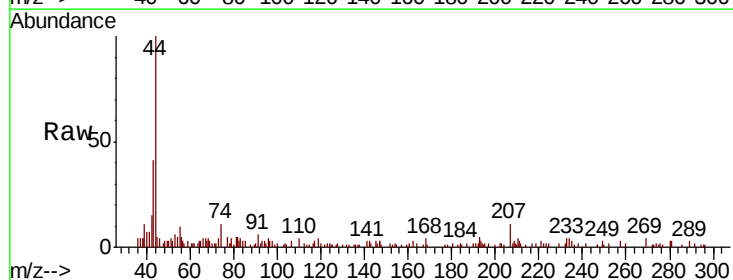
Instrument :
MSVOA_F
ClientSampleId :

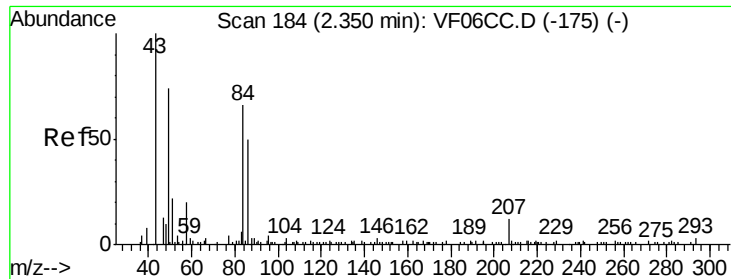
Tot Ion: 43 Resp: 2787
Ion Ratio Lower Upper
43 100
58 17.2 19.0 28.4#



#18
Methyl Acetate
Concen: 7.129 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 43 Resp: 10547
Ion Ratio Lower Upper
43 100
74 26.6 22.1 33.1

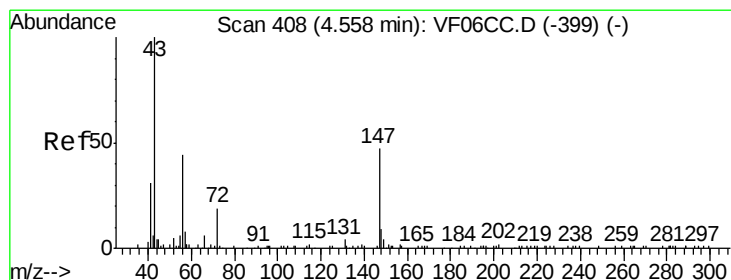
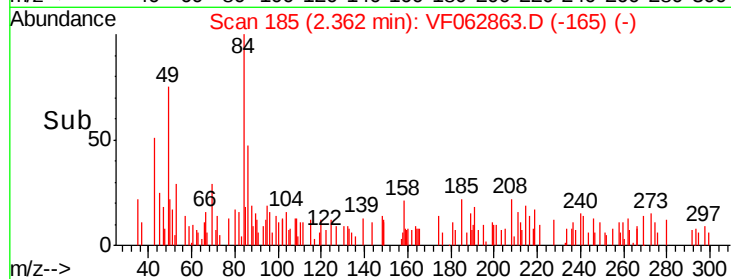
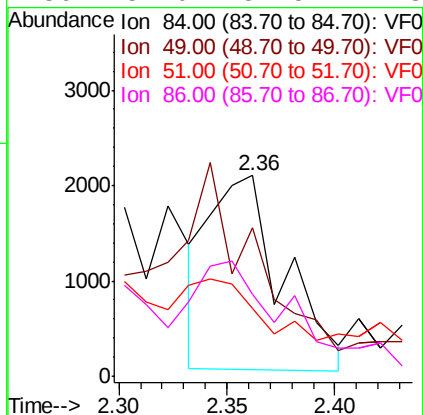
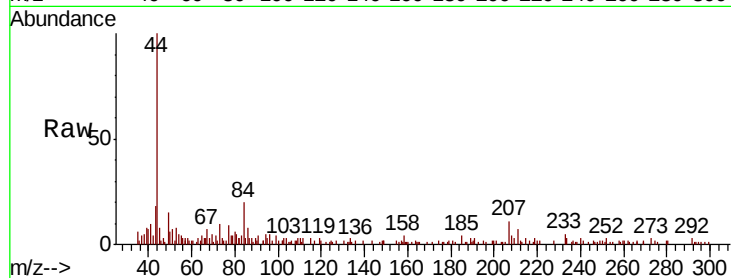




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

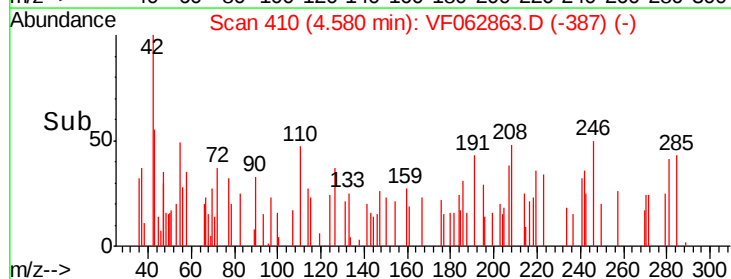
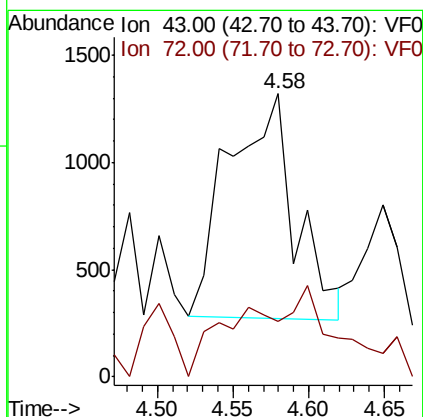
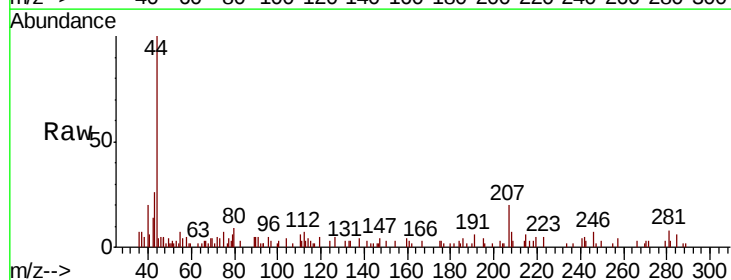
Instrument :
MSVOA_F
ClientSampled :

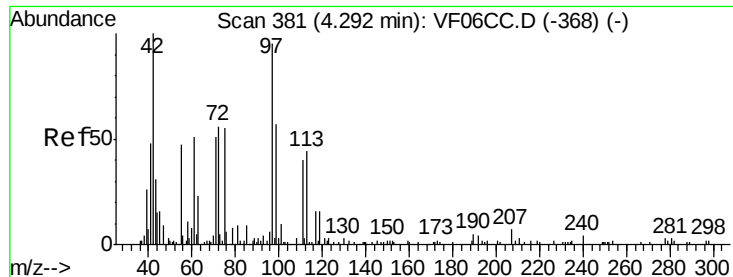
Tot Ion: 84 Resp: 4872
Ion Ratio Lower Upper
84 100
49 74.0 82.6 123.8#
51 34.1 25.0 37.4
86 54.0 51.5 77.3



#25
2-Butanone
Concen: 1.639 ug/l
RT: 4.58 min Scan# 410
Delta R.T. 0.03 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
72 19.8 21.4 32.0#

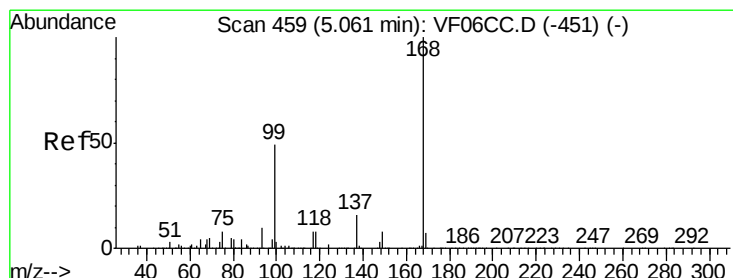
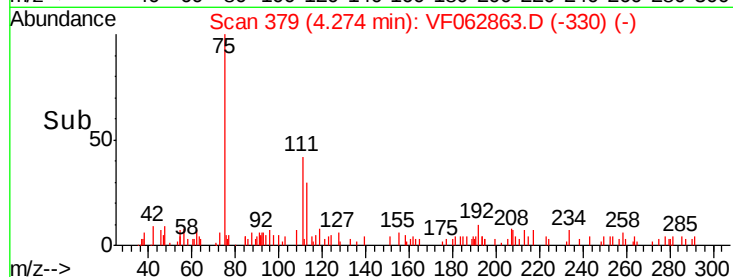
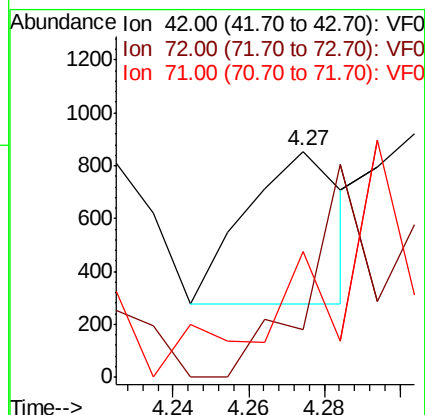
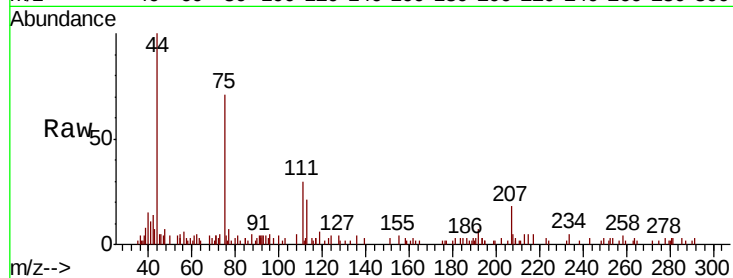




#29
Tetrahydrofuran
Concen: 1.351 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

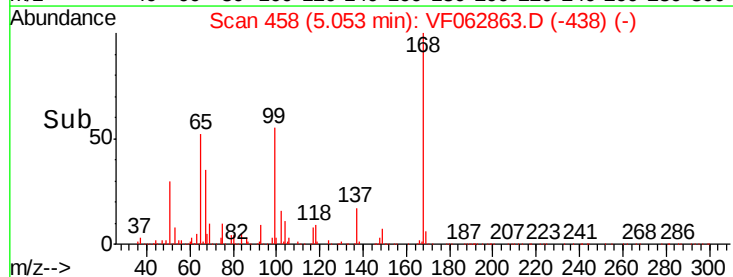
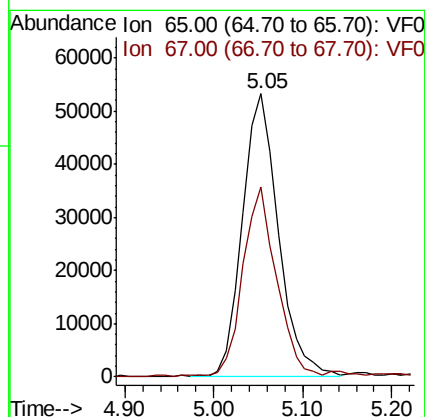
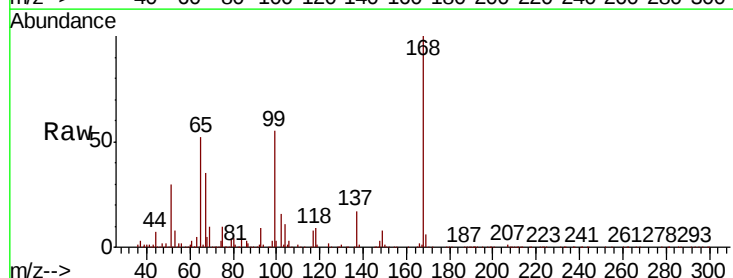
Instrument :
MSVOA_F
ClientSampled :

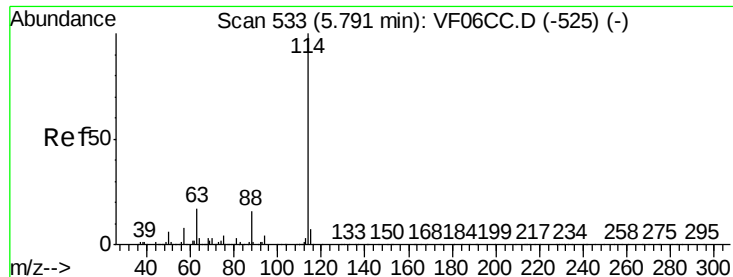
Tot Ion: 42 Resp: 1019
Ion Ratio Lower Upper
42 100
72 86.5 39.0 58.6#
71 171.1 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 40.505 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.00 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 65 Resp: 149832
Ion Ratio Lower Upper
65 100
67 66.9 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: VF062863.D

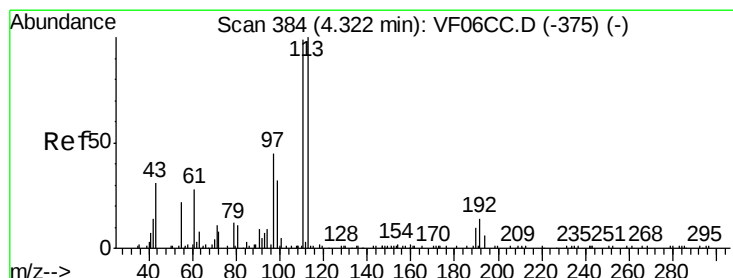
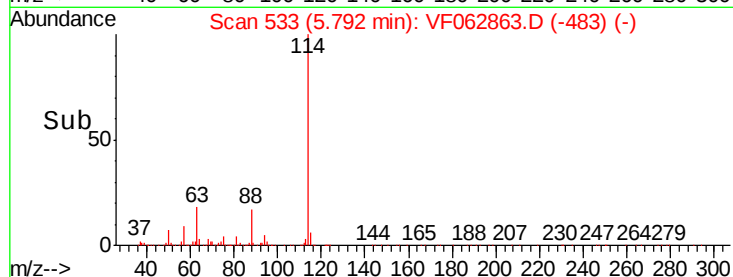
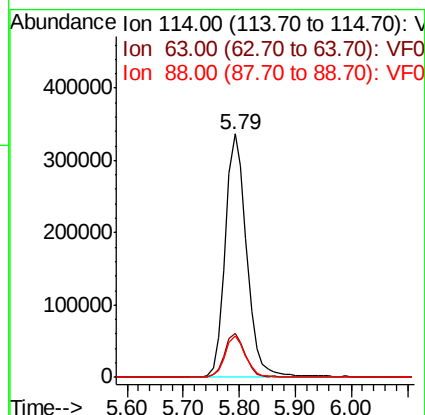
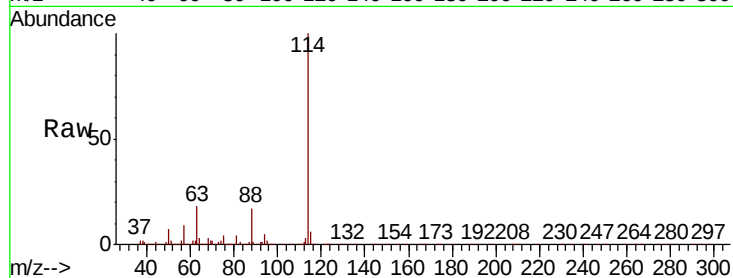
Acq: 5 Jun 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	114	Resp:	899951
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.2
88	17.2	0.0	31.2



#35

Dibromofluoromethane

Concen: 39.248 ug/l

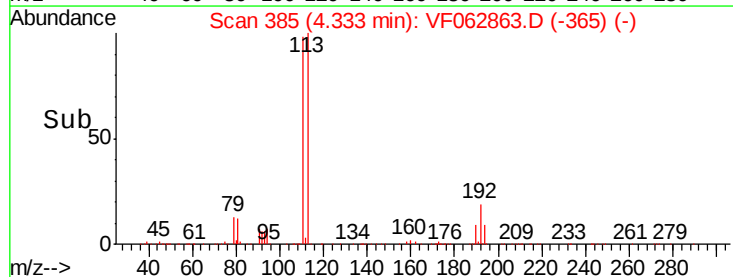
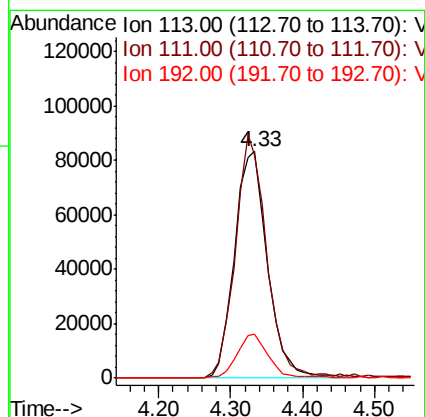
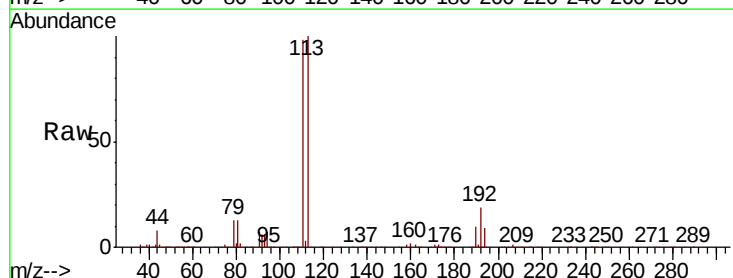
RT: 4.33 min Scan# 385

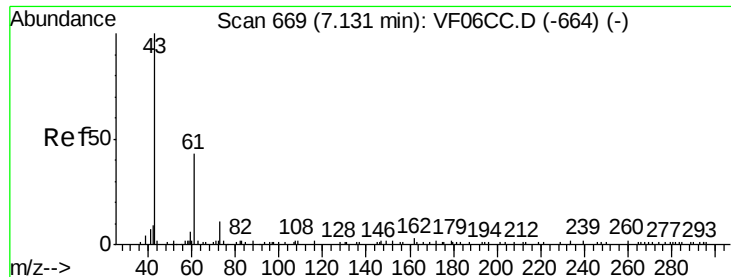
Delta R.T. -0.00 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

Tgt Ion:	113	Resp:	266906
Ion	Ratio	Lower	Upper
113	100		
111	98.1	81.9	122.9
192	19.2	15.1	22.7

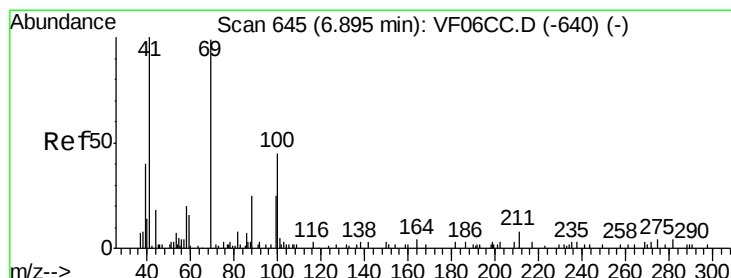
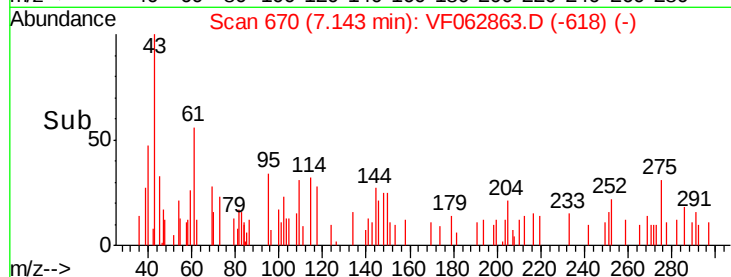
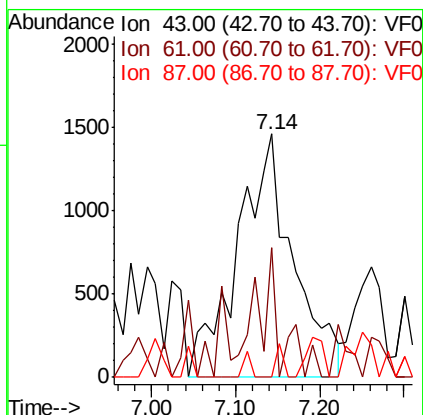
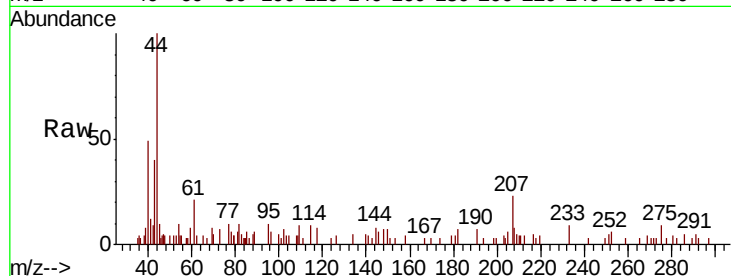




#43
Isopropyl Acetate
Concen: 1.618 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

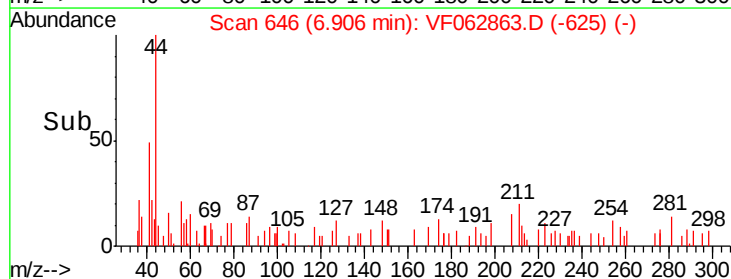
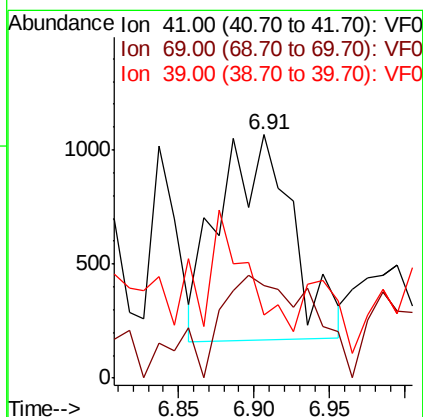
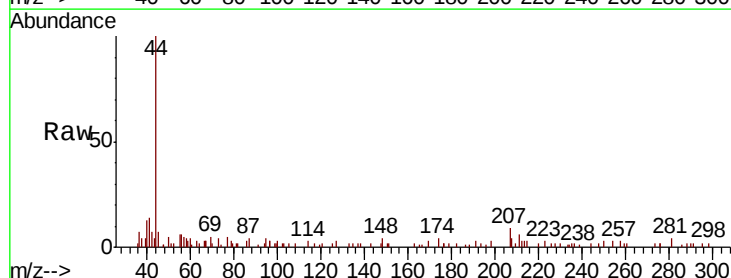
Instrument :
MSVOA_F
ClientSampleId :

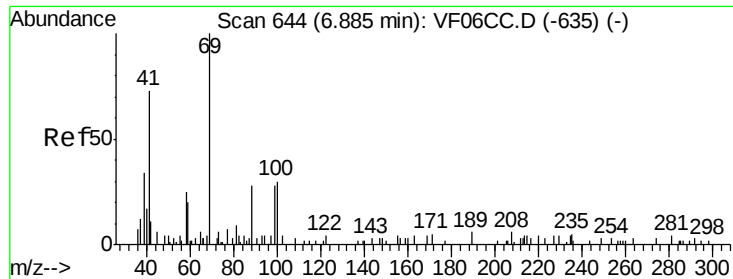
Tot Ion: 43 Resp: 6770
Ion Ratio Lower Upper
43 100
61 53.0 29.8 44.6#
87 0.0 0.3 0.5#



#48
Methyl methacrylate
Concen: 1.409 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 41 Resp: 3038
Ion Ratio Lower Upper
41 100
69 38.0 79.4 119.2#
39 26.1 39.8 59.6#

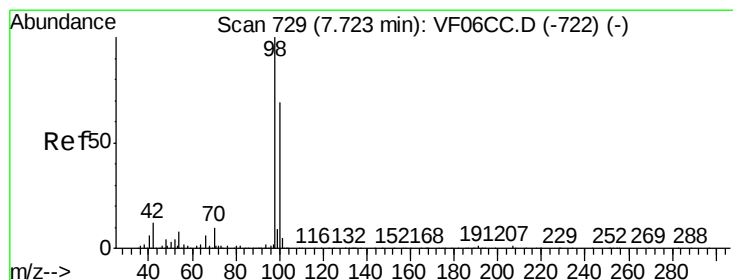
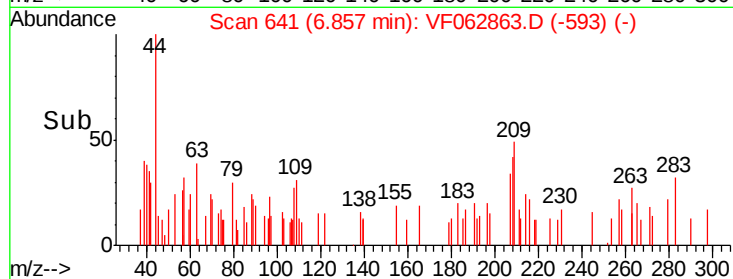
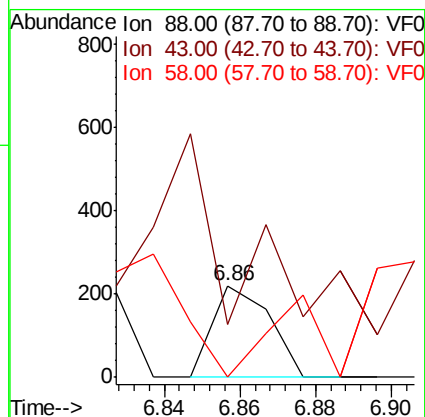
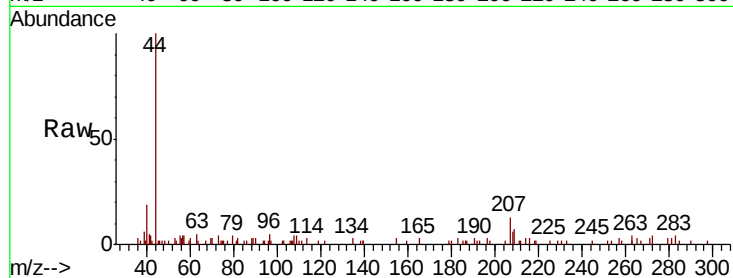




#49
1,4-Dioxane
Concen: 7.987 ug/l
RT: 6.86 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

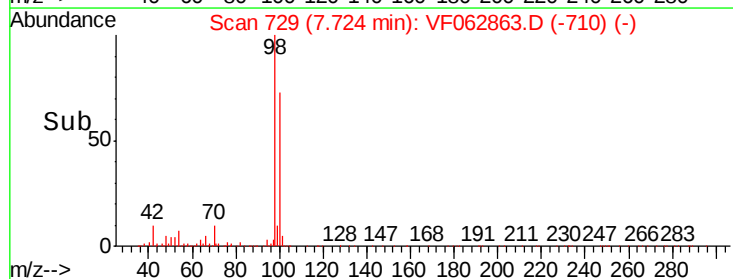
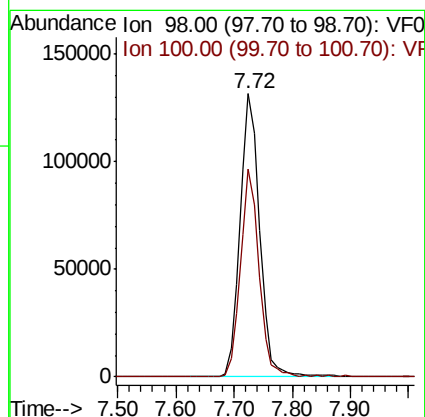
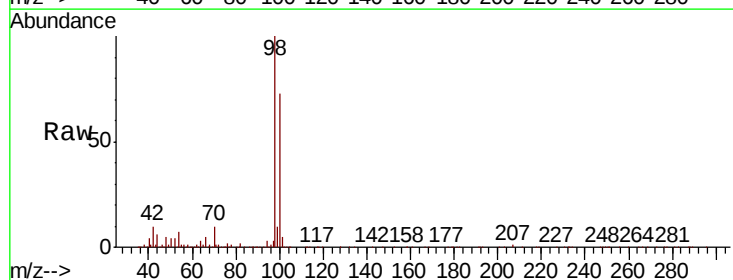
Instrument :
MSVOA_F
ClientSampleId :

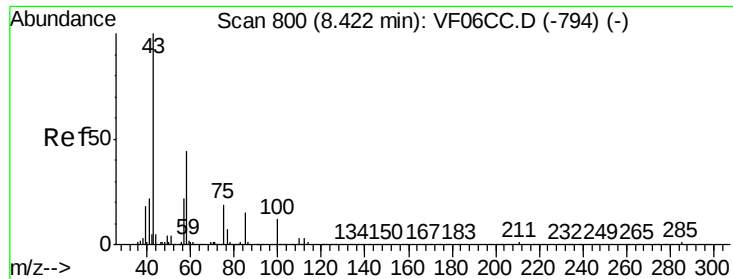
Tot Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 57.3 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 17.951 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 98 Resp: 308696
Ion Ratio Lower Upper
98 100
100 73.4 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 3.863 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

Instrument :

MSVOA_F

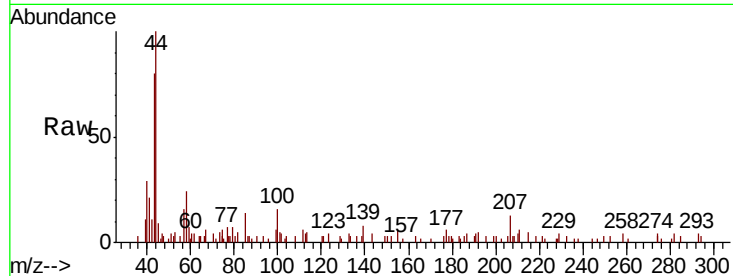
ClientSampleId :

Tot Ion: 43 Resp: 11538

Ion Ratio Lower Upper

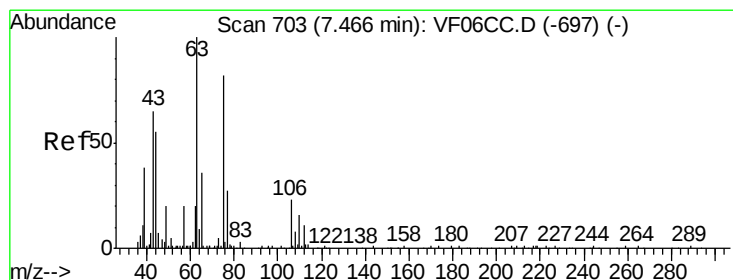
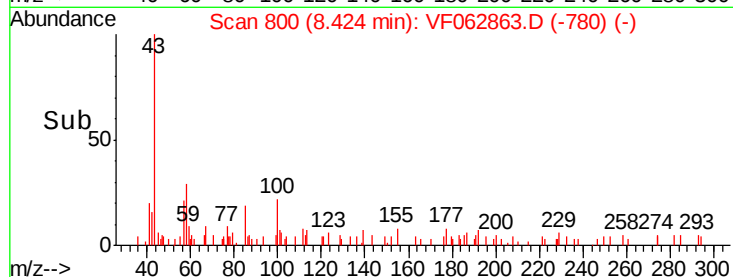
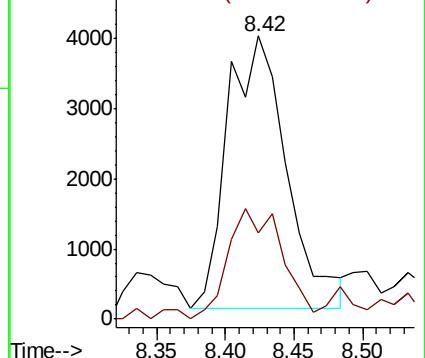
43 100

58 30.6 35.5 53.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.742 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.01 min

Lab File: VF062863.D

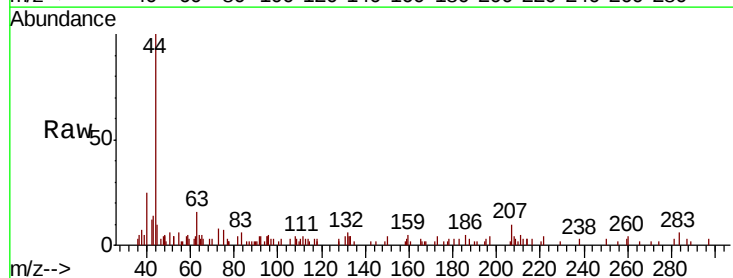
Acq: 5 Jun 2019 14:15

Tgt Ion: 63 Resp: 2535

Ion Ratio Lower Upper

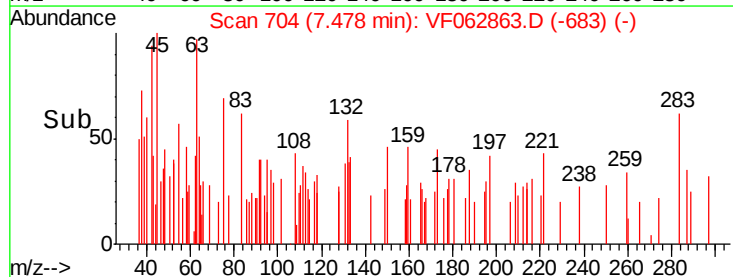
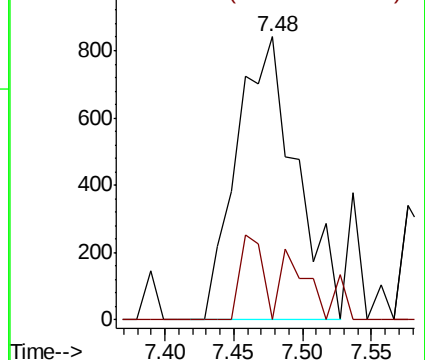
63 100

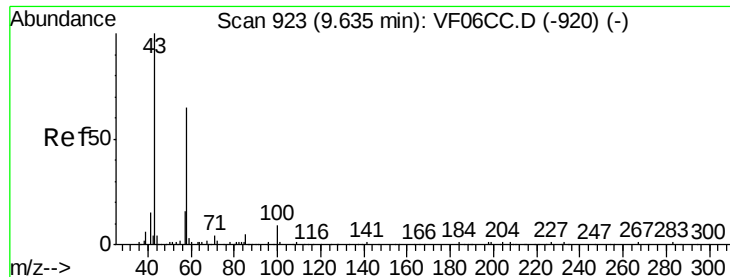
106 0.0 19.5 29.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

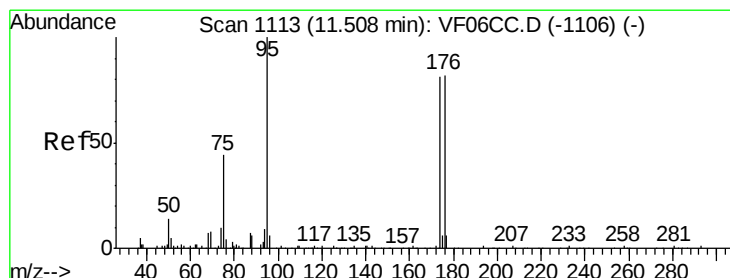
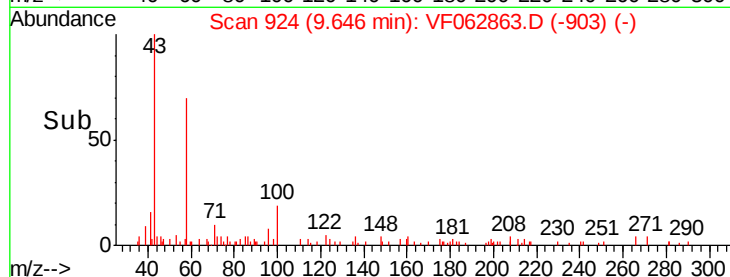
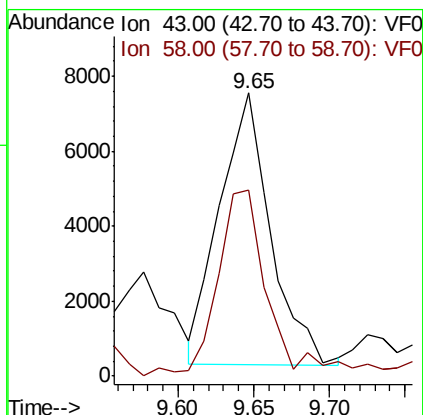
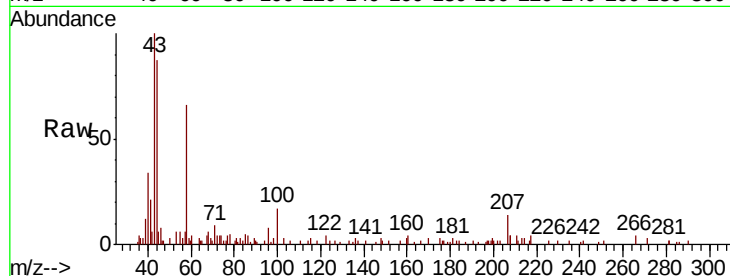




#59
2-Hexanone
Concen: 7.999 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

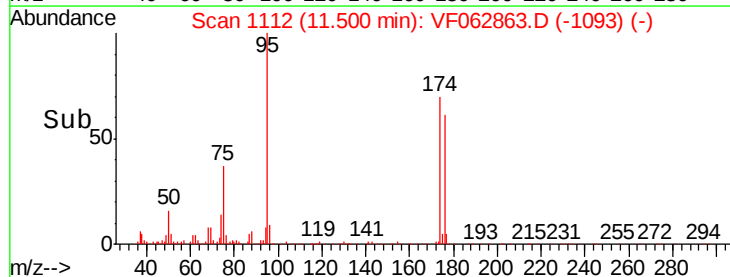
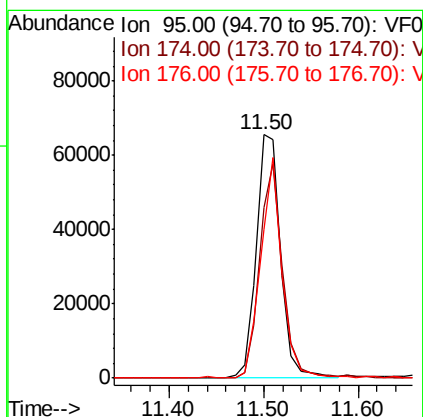
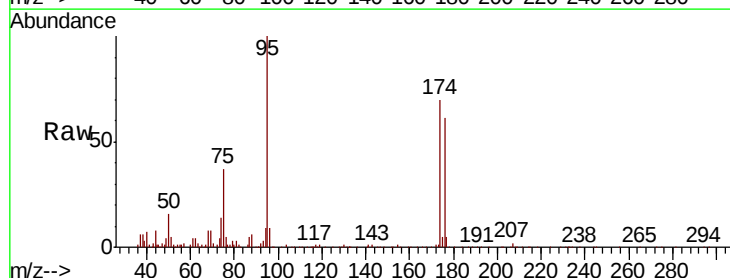
Instrument :
MSVOA_F
ClientSampleId :

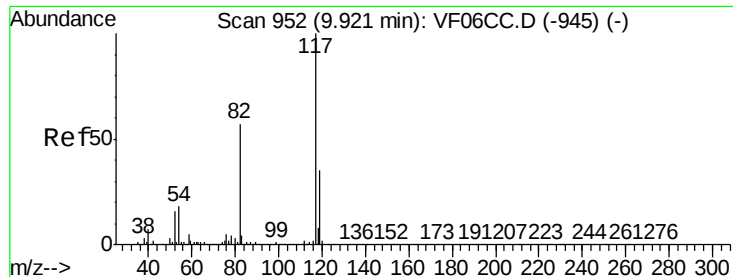
Tot Ion: 43 Resp: 17029
Ion Ratio Lower Upper
43 100
58 65.6 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 19.001 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion: 95 Resp: 117539
Ion Ratio Lower Upper
95 100
174 70.3 0.0 170.6
176 61.4 0.0 170.6

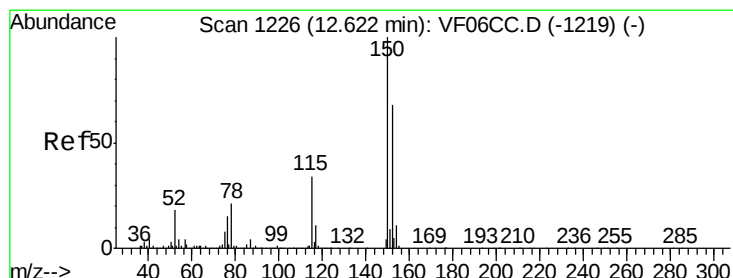
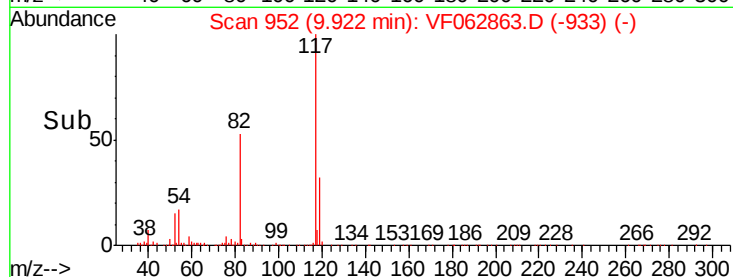
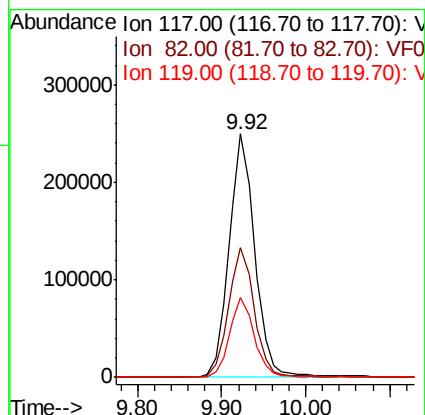
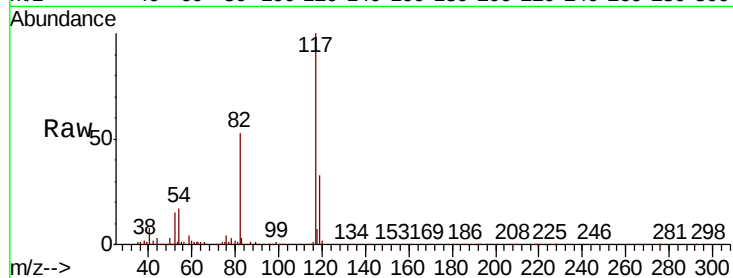




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

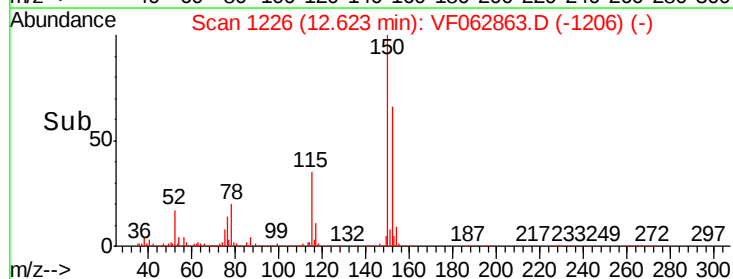
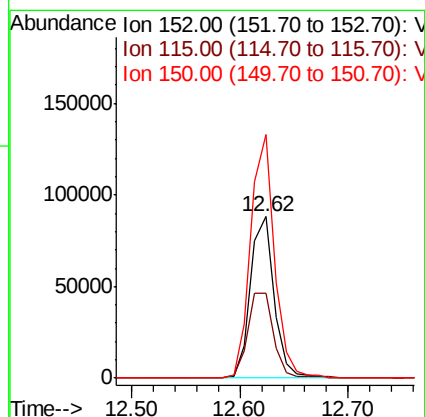
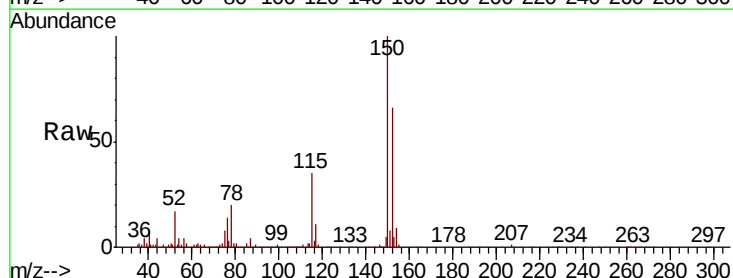
Instrument :
MSVOA_F
ClientSampleId :

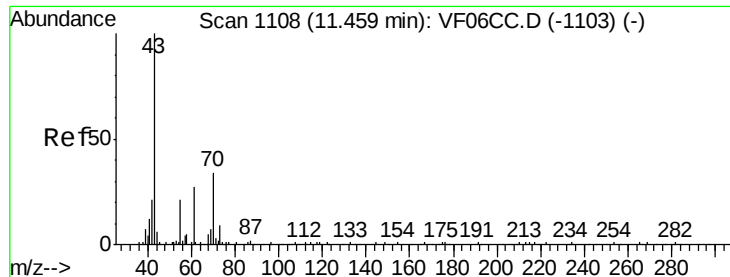
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.5	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062863.D
Acq: 5 Jun 2019 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	24.6	74.0
150	150.6	0.0	290.6





#74

N-amvl acetate

Concen: 7.670 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

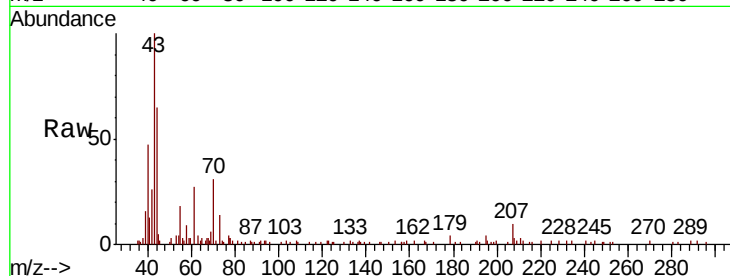
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 20285

Ion	Ratio	Lower	Upper
43	100		
70	31.1	32.9	49.3#
55	18.0	17.3	25.9
61	27.5	23.7	35.5

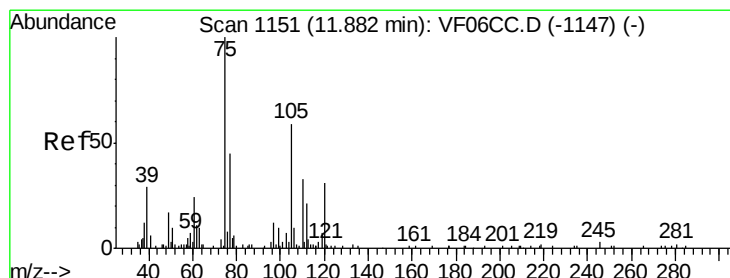
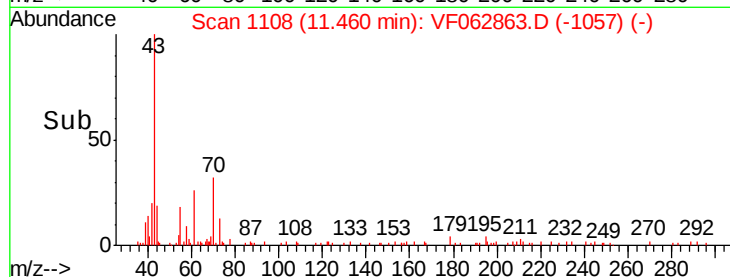
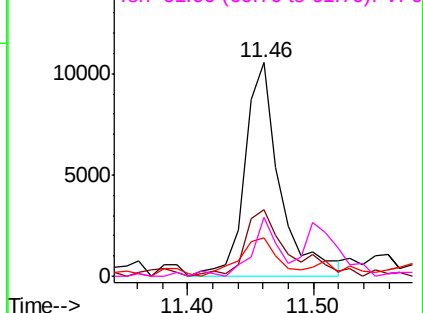


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.070 ug/l

RT: 11.87 min Scan# 1150

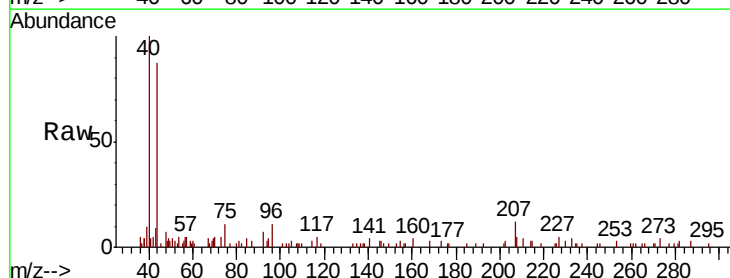
Delta R.T. -0.01 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

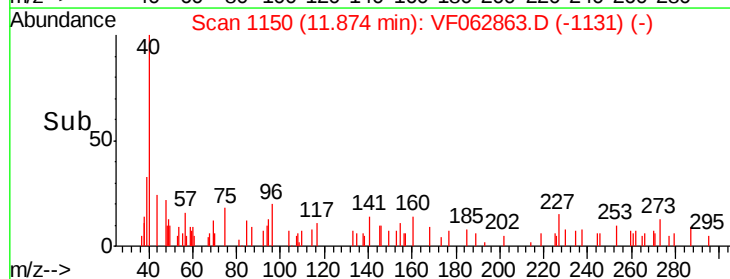
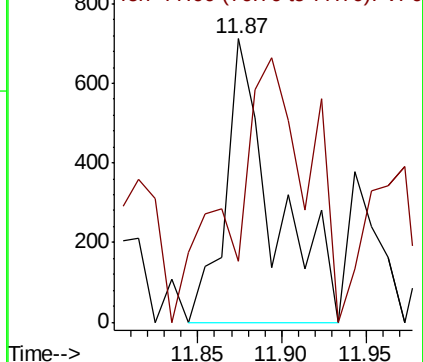
Tgt Ion: 75 Resp: 1421

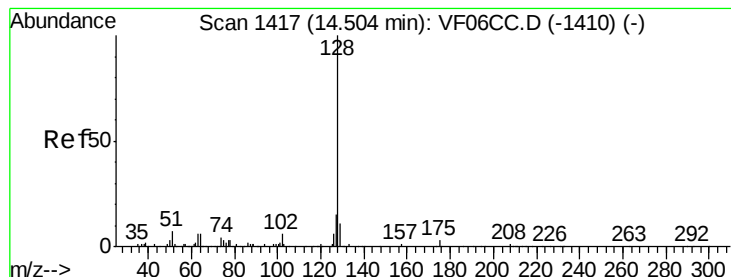
Ion	Ratio	Lower	Upper
75	100		
77	21.5	20.1	60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#95

Naphthalene

Concen: 4.267 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062863.D

Acq: 5 Jun 2019 14:15

Instrument :

MSVOA_F

ClientSampleId :

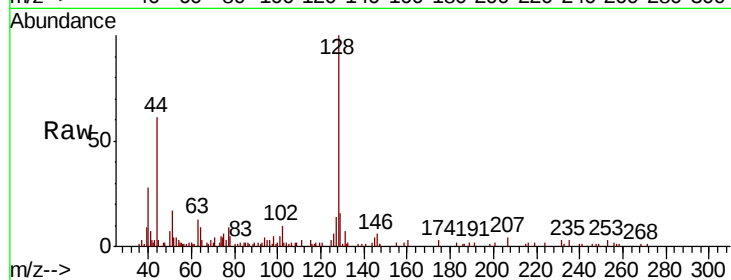
Tot Ion:128 Resp: 17544

Ion Ratio Lower Upper

128 100

127 13.6 9.7 14.5

129 16.3 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

