

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062853.D
 Acq On : 4 Jun 2019 21:54
 Operator : FY/SY
 Sample : K3151-03
 Misc : 5.28g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:25:06 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

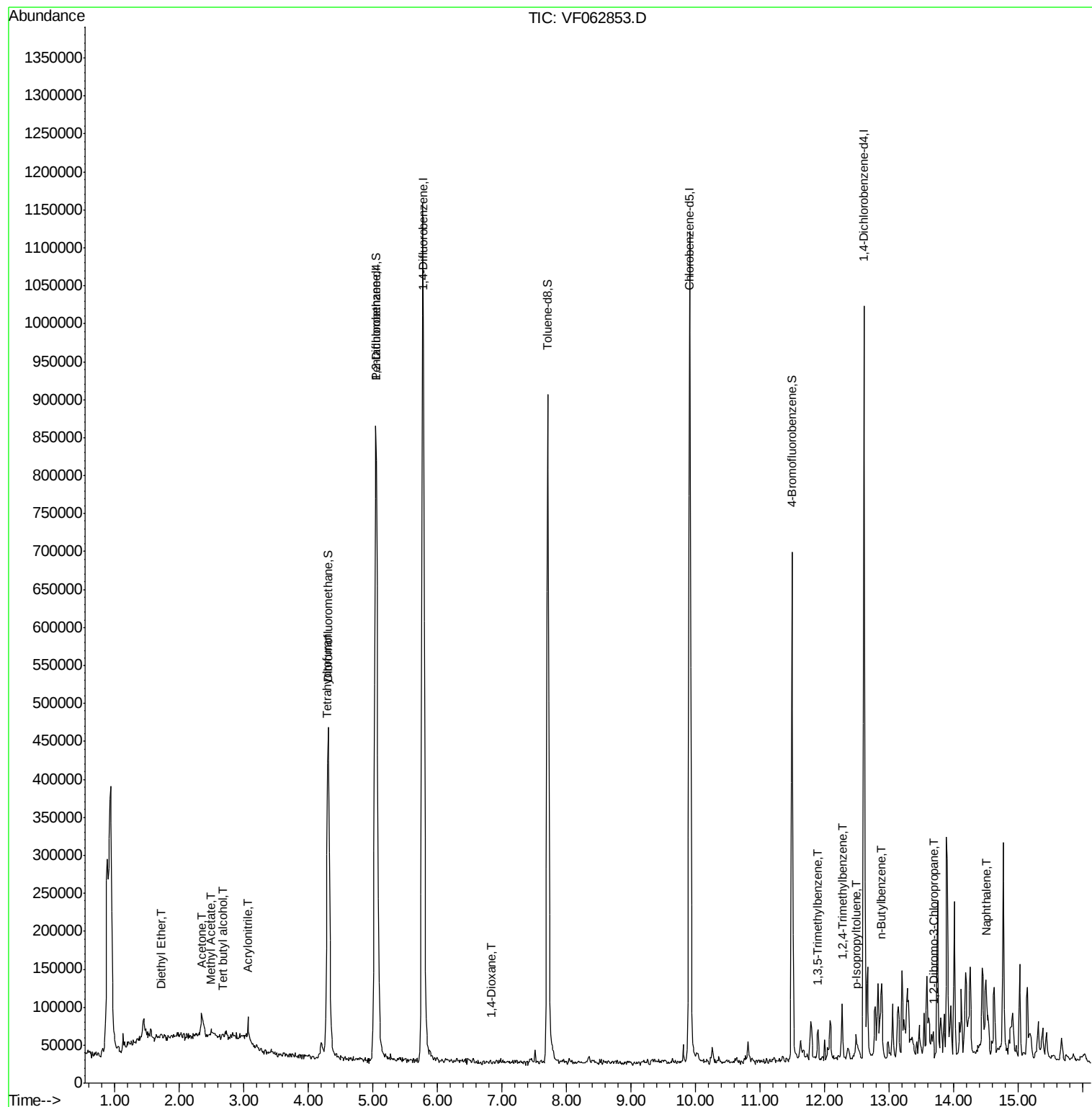
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	790920	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1448381	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	844918	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	255917	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	238461	43.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.20%	
35) Dibromofluoromethane	4.31	113	444699	40.63	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	81.26%	
50) Toluene-d8	7.71	98	778962	28.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	56.30%	
62) 4-Bromofluorobenzene	11.49	95	233493	23.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	46.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	419	Below Cal		71
8) Diethyl Ether	1.71	74	3221	1.422 ug/l		98
11) Tert butyl alcohol	2.69	59	1843	5.563 ug/l #		67
13) Acrolein	2.08	56	370	Below Cal #		1
15) Acrylonitrile	3.06	53	1366	1.097 ug/l #		54
16) Acetone	2.36	43	54821	43.794 ug/l		94
18) Methyl Acetate	2.49	43	4226	1.932 ug/l #		72
20) Methylene Chloride	2.35	84	2655	Below Cal #		68
29) Tetrahydrofuran	4.29	42	2585	2.318 ug/l #		84
49) 1,4-Dioxane	6.84	88	152	3.323 ug/l #		1
80) 1,3,5-Trimethylbenzene	11.90	105	21381	1.464 ug/l		85
84) 1,2,4-Trimethylbenzene	12.27	105	31784	2.296 ug/l		99
86) p-Isopropyltoluene	12.49	119	22313	1.406 ug/l		86
89) n-Butylbenzene	12.89	91	20555	1.288 ug/l		84
92) 1,2-Dibromo-3-Chloropropan	13.70	75	481	1.158 ug/l #		1
95) Naphthalene	14.49	128	17375	2.221 ug/l #		58

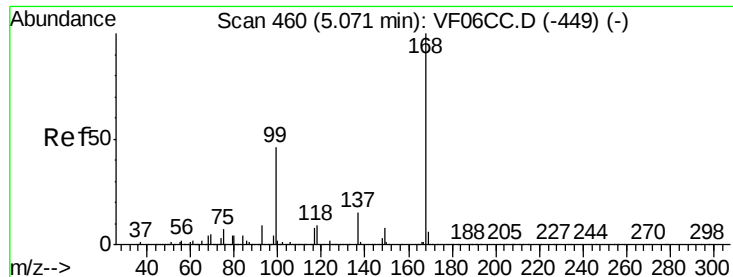
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
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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. -0.02 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

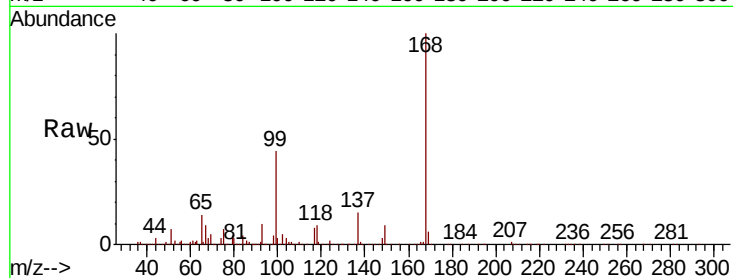
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 790920

Ion Ratio Lower Upper

168 100

99 43.8 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

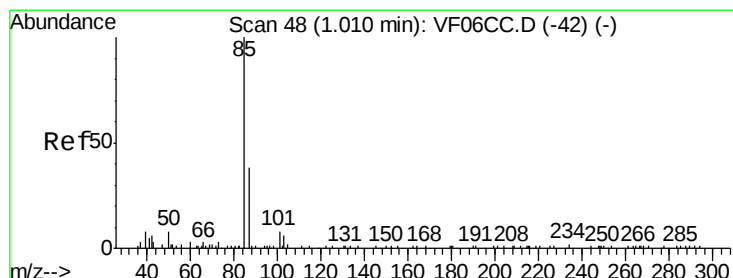
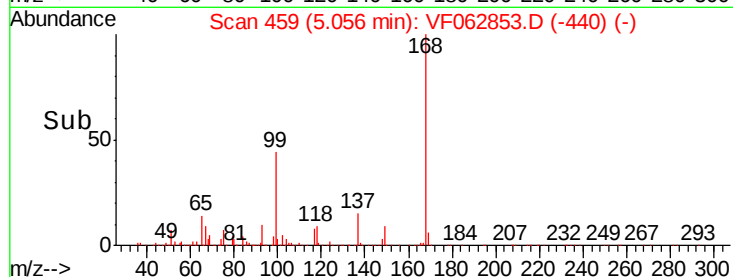
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062853.D

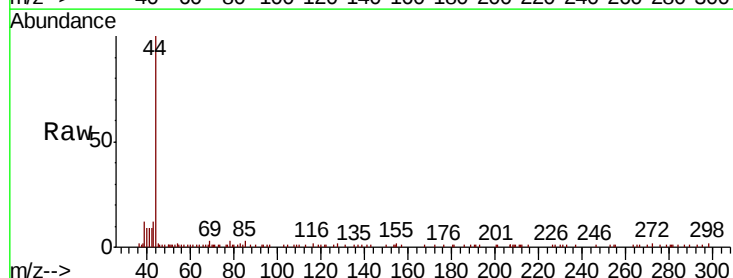
Acq: 4 Jun 2019 21:54

Tgt Ion: 85 Resp: 419

Ion Ratio Lower Upper

85 100

87 18.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

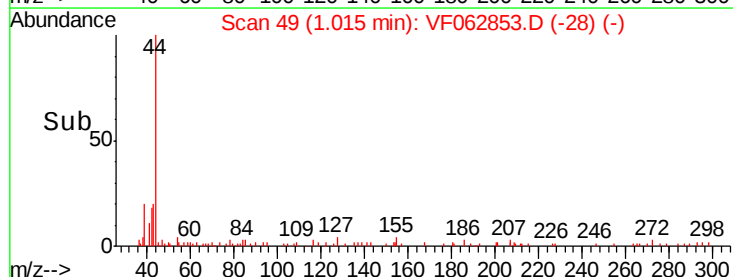
600

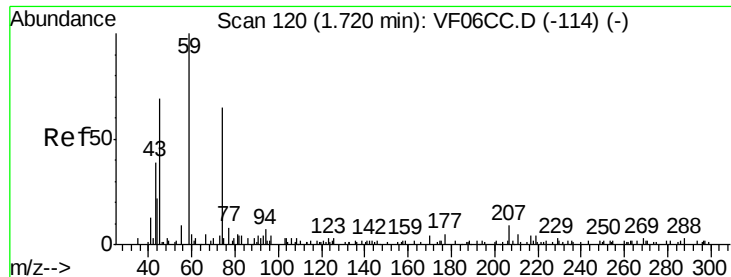
400

200

0

Time-->





#8

Diethyl Ether

Concen: 1.422 ug/l

RT: 1.71 min Scan# 120

Delta R.T. -0.01 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

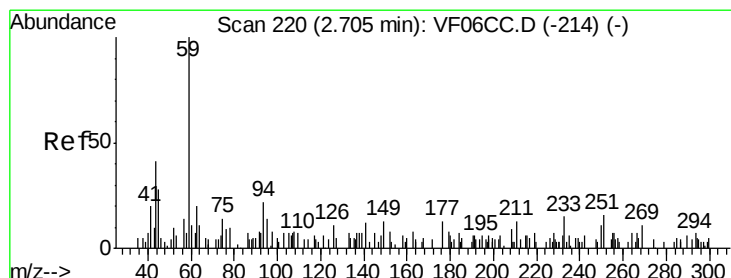
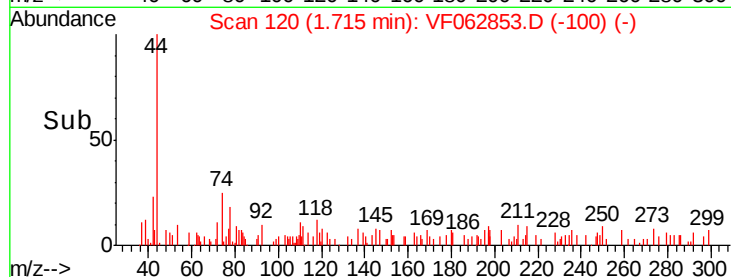
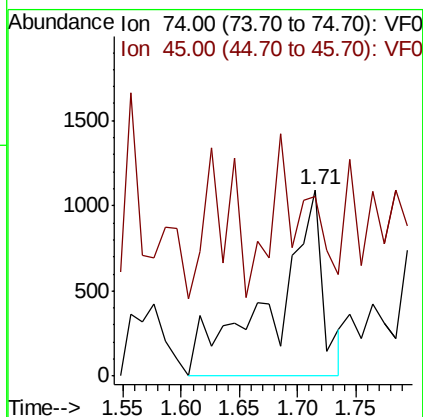
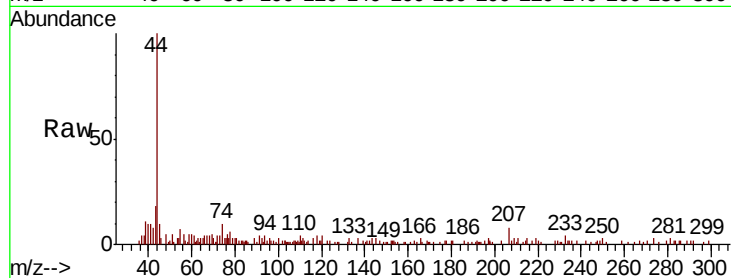
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 3221

Ion Ratio Lower Upper

74 100

45 96.6 47.5 142.5



#11

Tert butyl alcohol

Concen: 5.563 ug/l

RT: 2.69 min Scan# 219

Delta R.T. -0.03 min

Lab File: VF062853.D

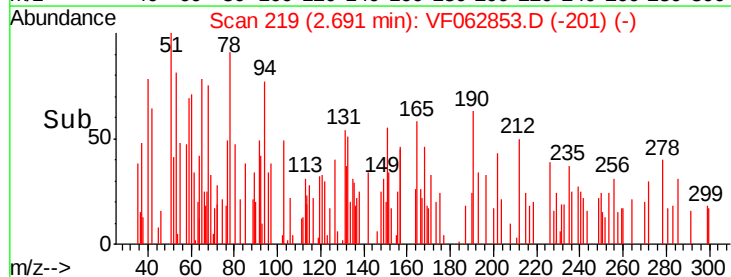
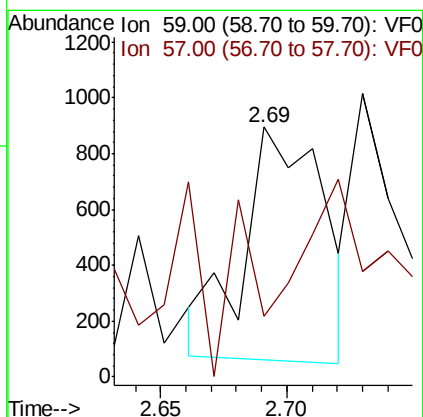
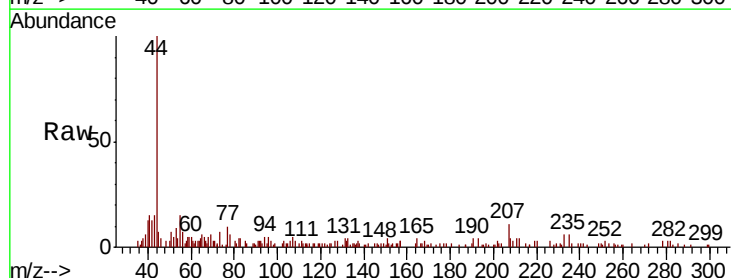
Acq: 4 Jun 2019 21:54

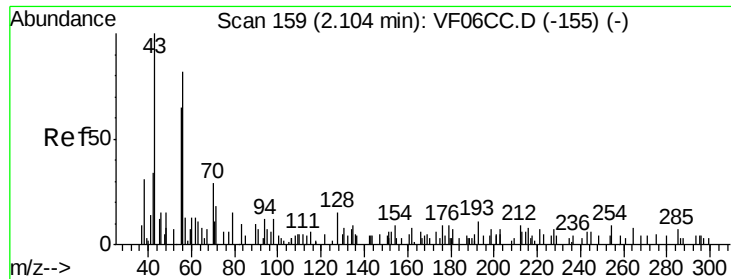
Tgt Ion: 59 Resp: 1843

Ion Ratio Lower Upper

59 100

57 24.3 9.2 13.8#

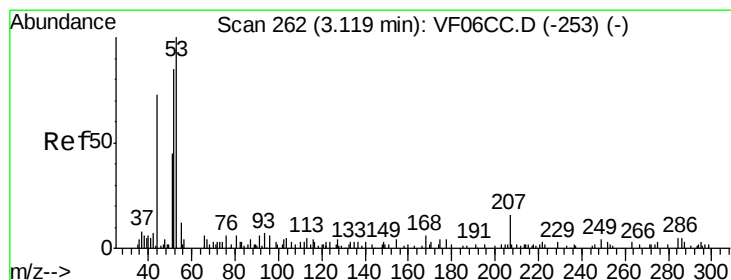
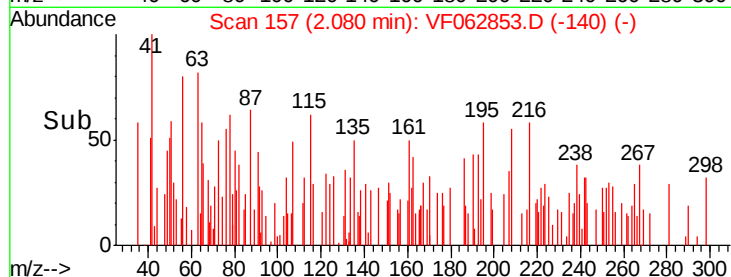
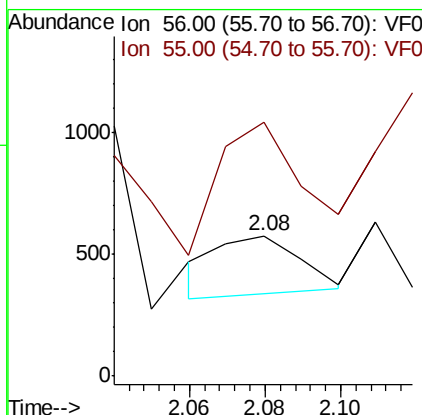
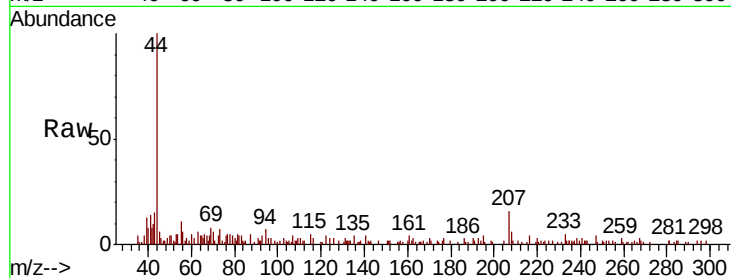




#13
Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.04 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

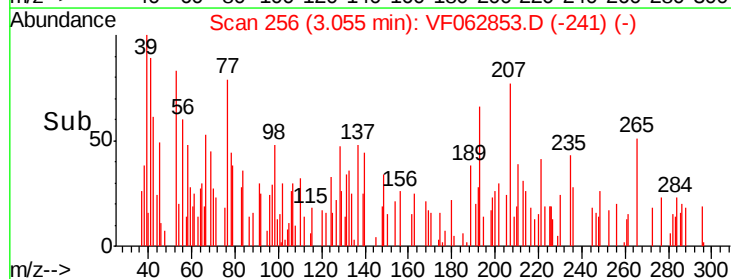
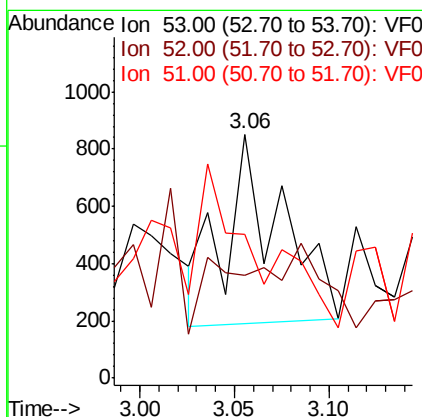
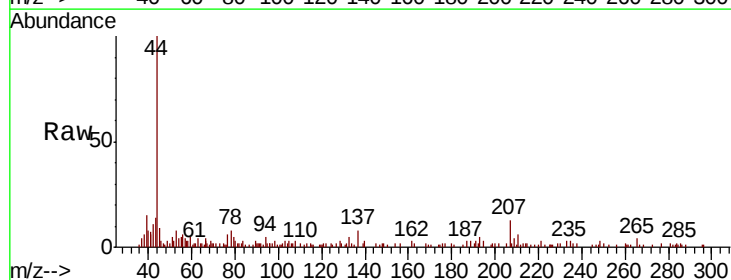
Instrument :
MSVOA_F
ClientSampleId :

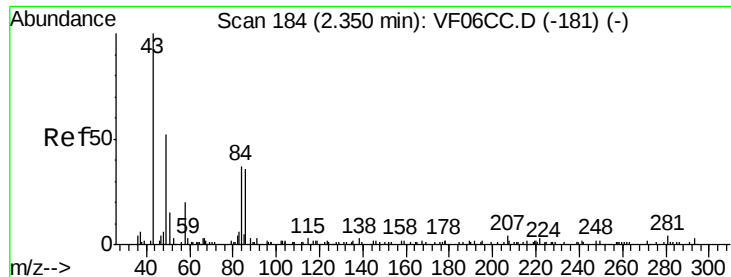
Tot Ion: 56 Resp: 370
Ion Ratio Lower Upper
56 100
55 181.8 52.9 79.3#



#15
Acrylonitrile
Concen: 1.097 ug/l
RT: 3.06 min Scan# 256
Delta R.T. -0.06 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

Tgt Ion: 53 Resp: 1366
Ion Ratio Lower Upper
53 100
52 42.1 68.1 102.1#
51 59.2 27.7 41.5#





#16

Acetone

Concen: 43.794 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

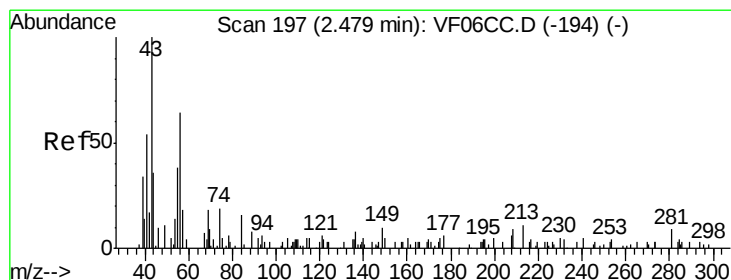
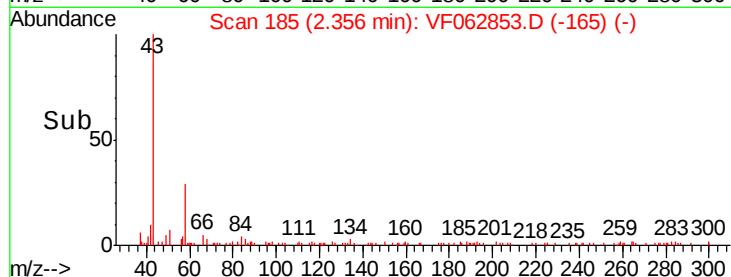
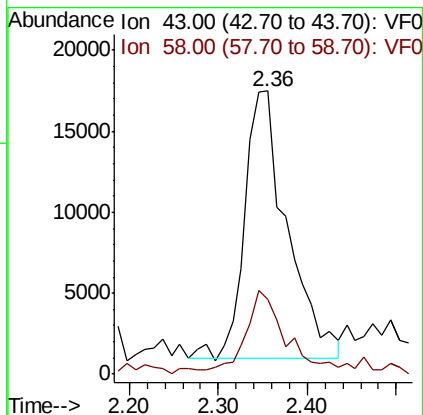
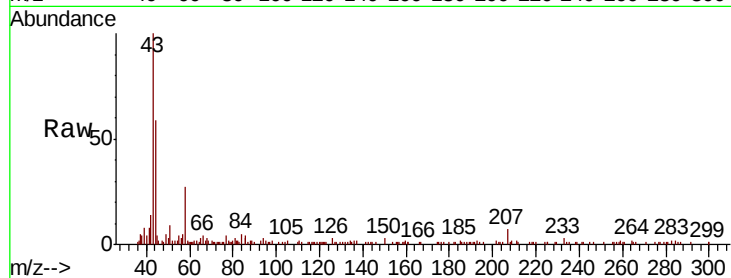
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 54821

Ion Ratio Lower Upper

43 100

58 26.5 19.0 28.4



#18

Methyl Acetate

Concen: 1.932 ug/l

RT: 2.49 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF062853.D

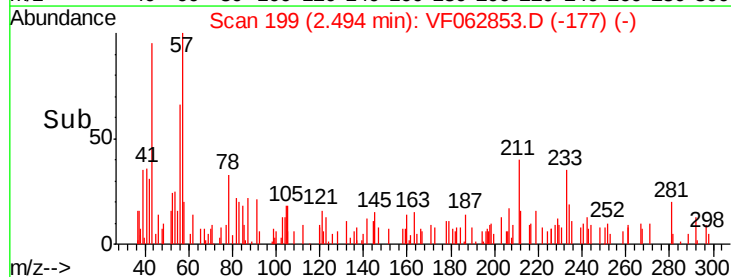
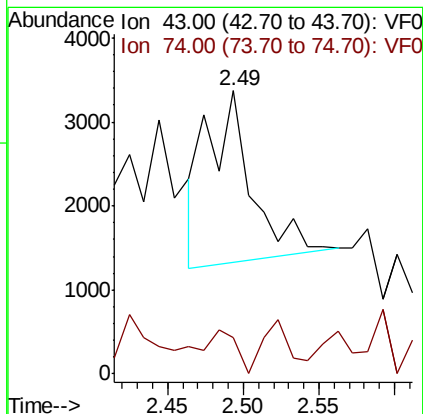
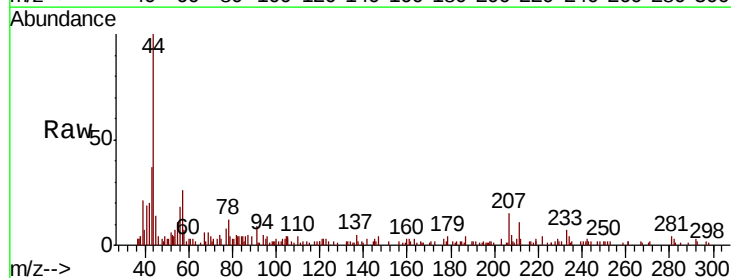
Acq: 4 Jun 2019 21:54

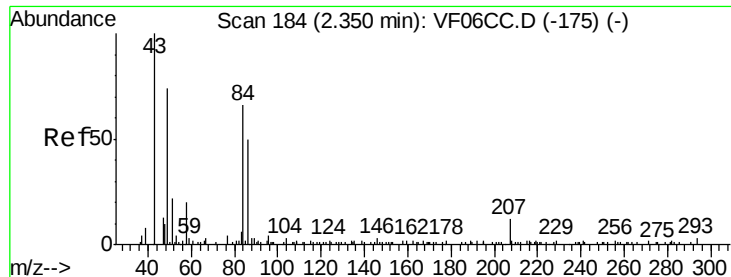
Tgt Ion: 43 Resp: 4226

Ion Ratio Lower Upper

43 100

74 12.9 22.1 33.1#

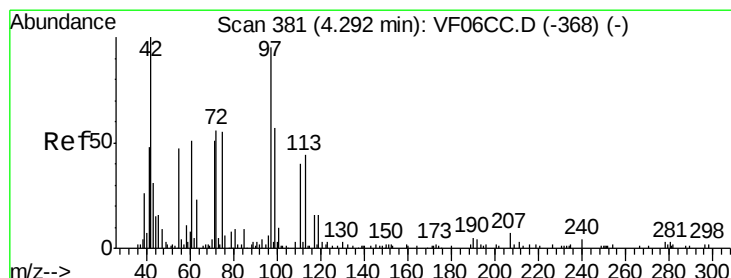
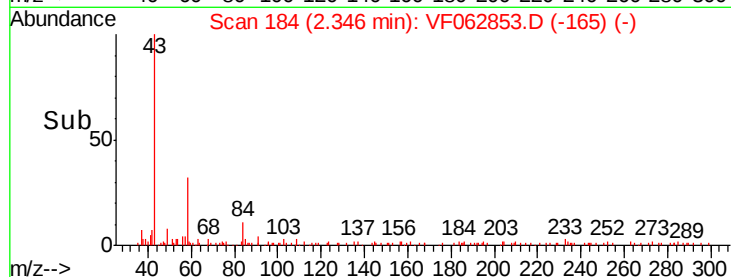
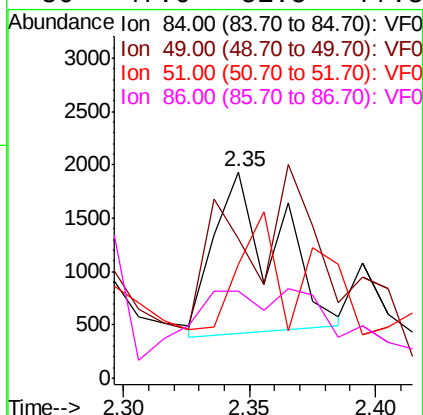
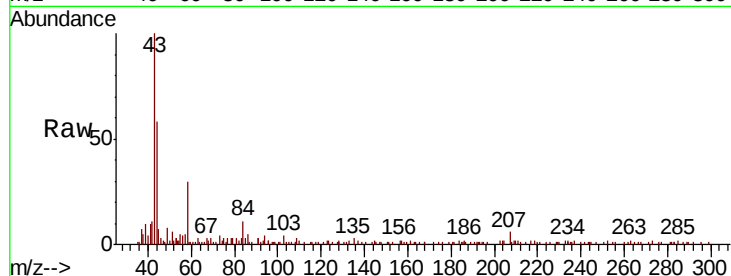




#20
Methylene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

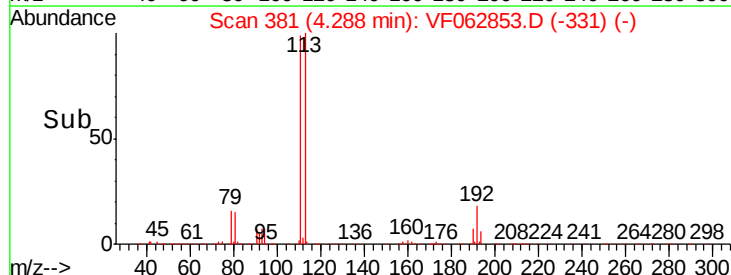
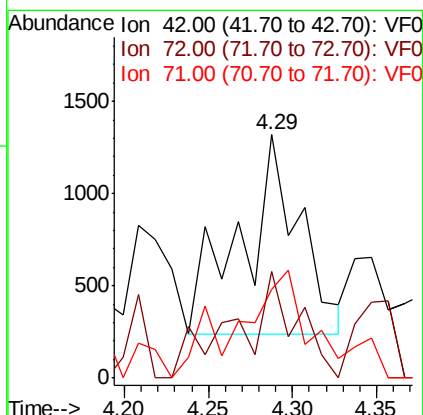
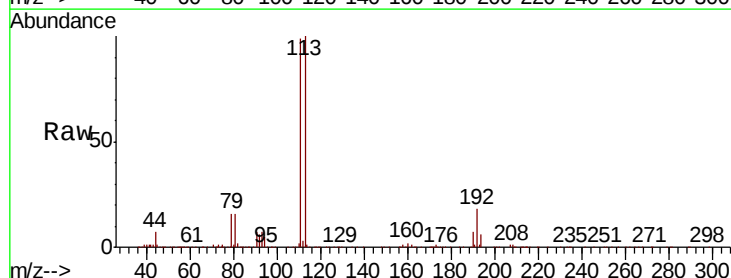
Instrument :
MSVOA_F
ClientSampled :

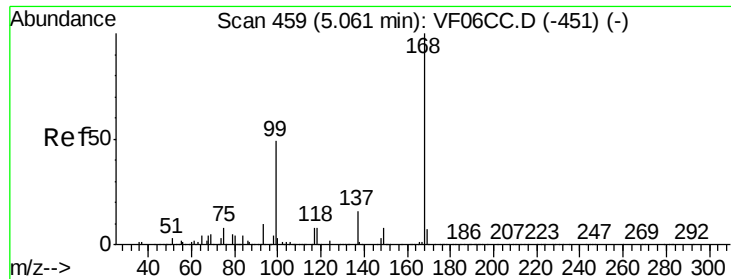
Tot Ion: 84 Resp: 2655
Ion Ratio Lower Upper
84 100
49 67.9 82.6 123.8#
51 55.1 25.0 37.4#
86 47.6 51.5 77.3#



#29
Tetrahydrofuran
Concen: 2.318 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

Tgt Ion: 42 Resp: 2585
Ion Ratio Lower Upper
42 100
72 56.3 39.0 58.6
71 59.7 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 43.600 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

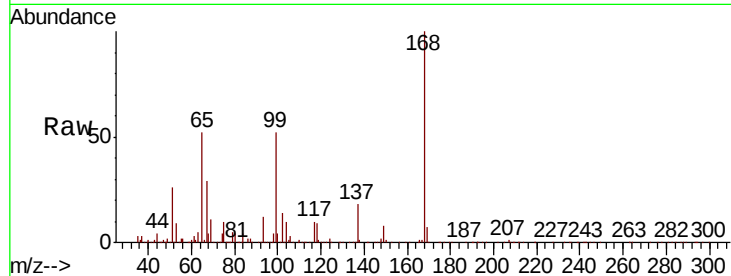
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 238461

Ion Ratio Lower Upper

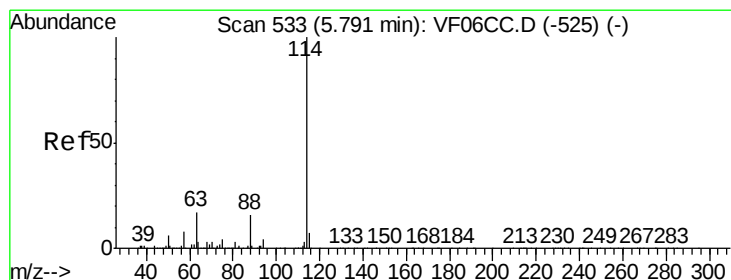
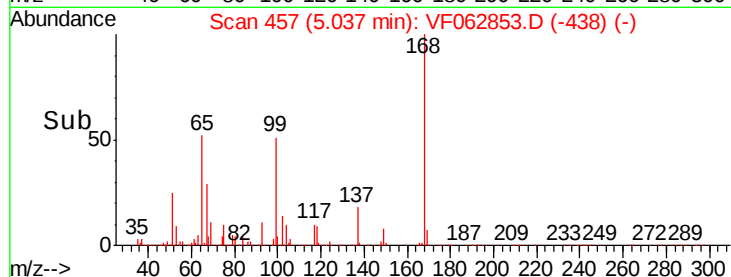
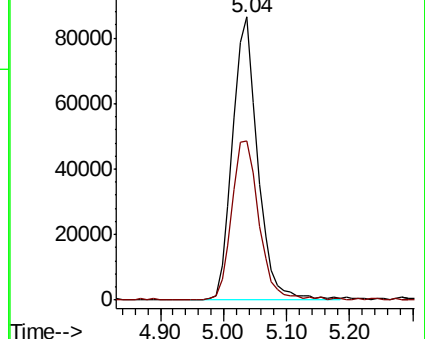
65 100

67 56.1 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. -0.03 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

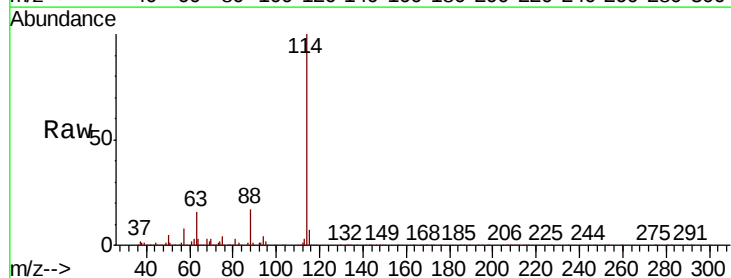
Tgt Ion: 114 Resp: 1448381

Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.2

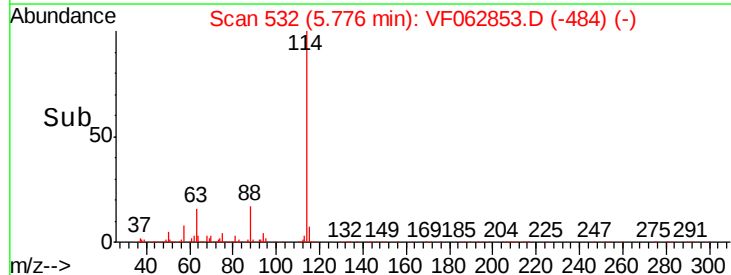
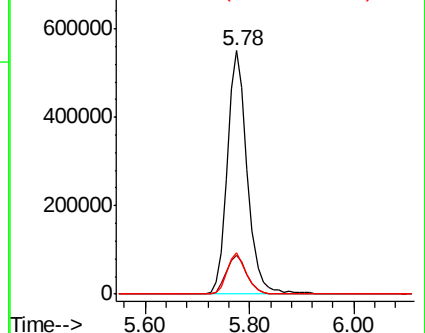
88 16.9 0.0 31.2

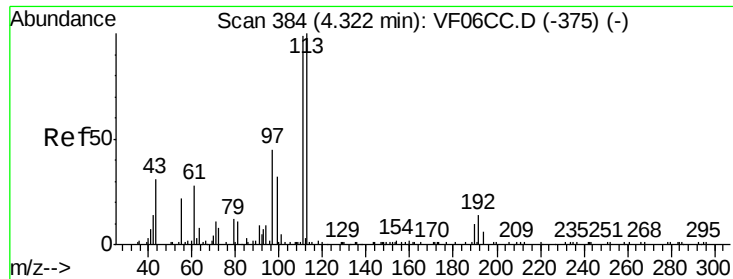


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

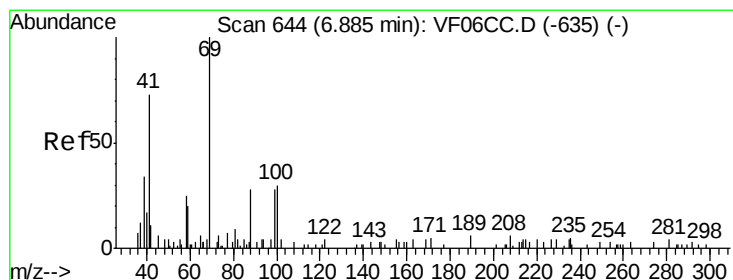
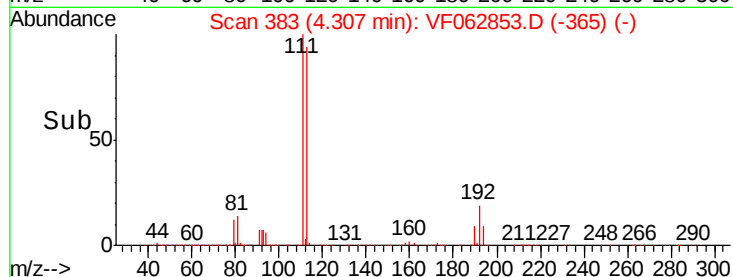
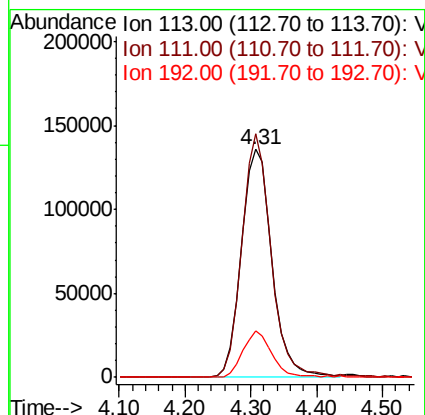
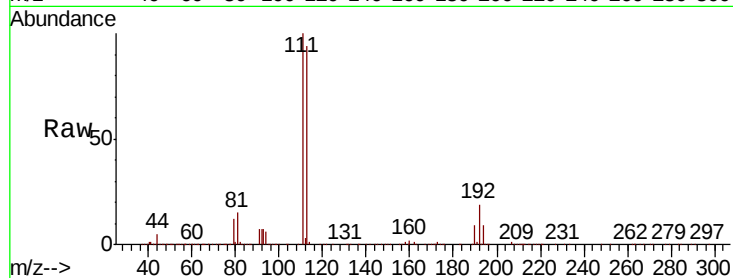




#35
 Dibromofluoromethane
 Concen: 40.631 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.03 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

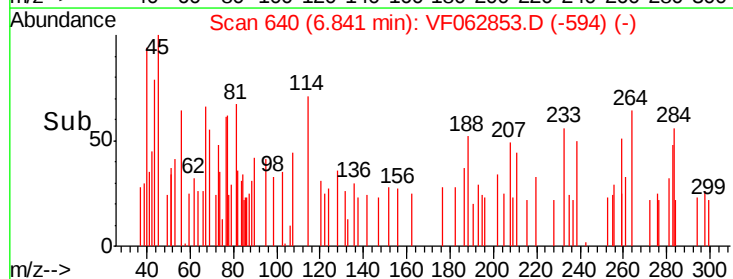
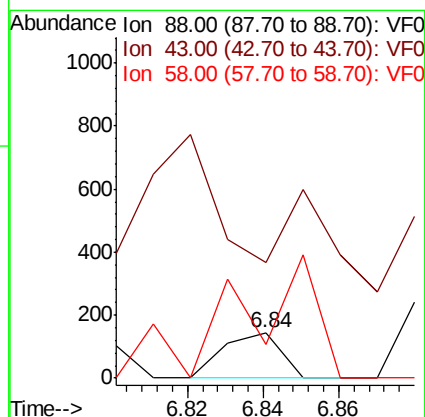
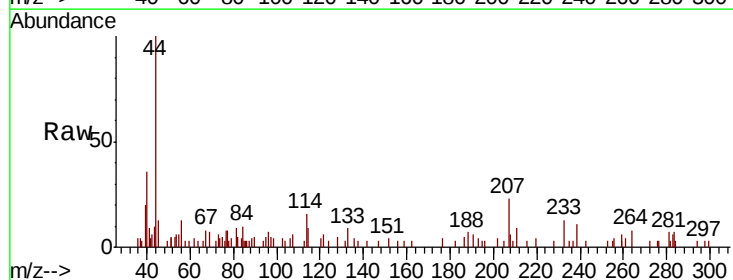
Instrument :
 MSVOA_F
 ClientSampleId :

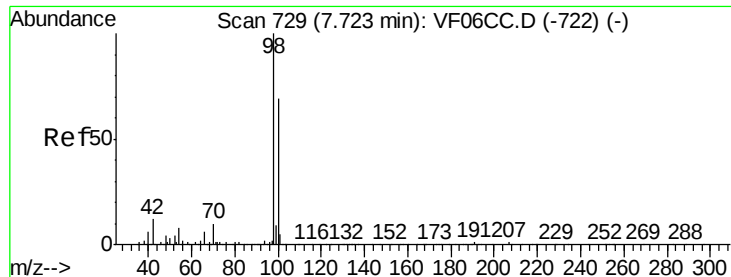
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.7	81.9	122.9
192	20.4	15.1	22.7



#49
 1,4-Dioxane
 Concen: 3.323 ug/l
 RT: 6.84 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

Tgt Ion	Ratio	Lower	Upper
88	100		
43	256.3	34.8	52.2#
58	73.6	59.9	89.9

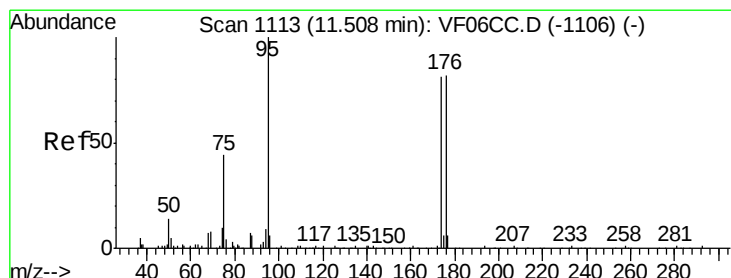
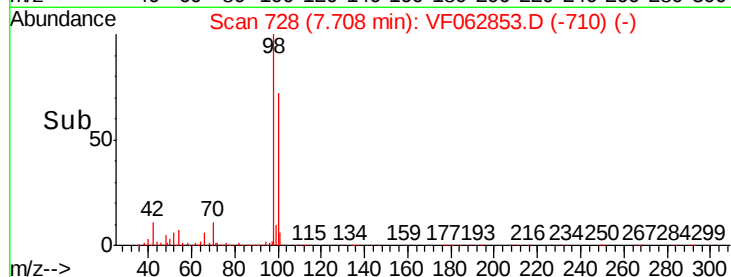
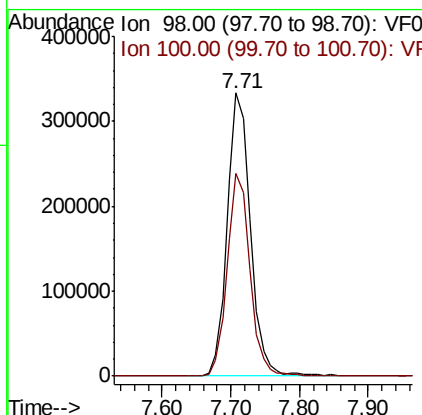
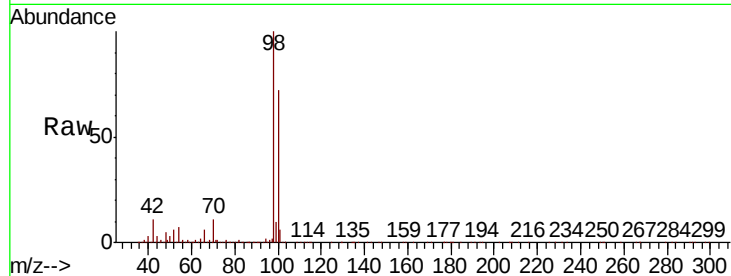




#50
Toluene-d8
Concen: 28.145 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

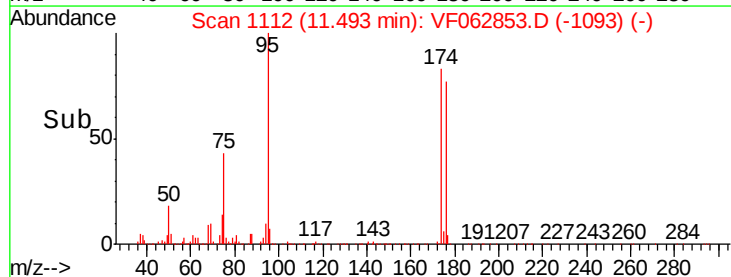
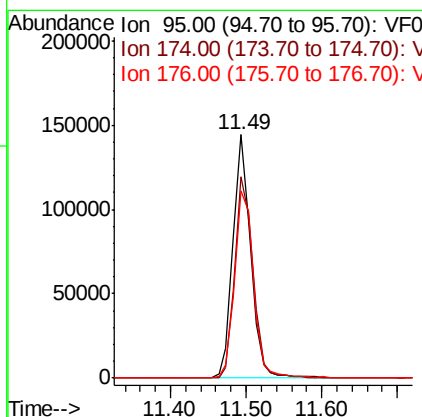
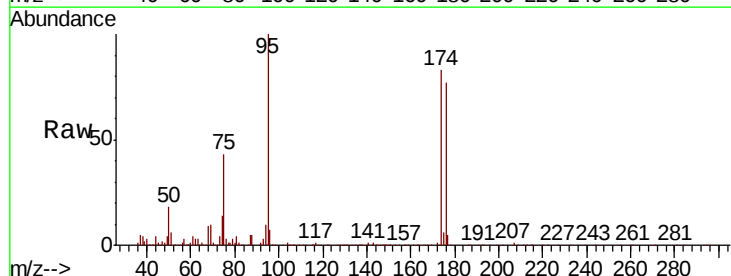
Instrument :
MSVOA_F
ClientSampleId :

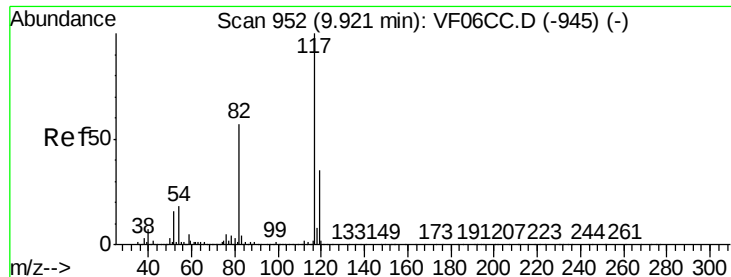
Tot Ion: 98 Resp: 778962
Ion Ratio Lower Upper
98 100
100 71.7 59.8 89.8



#62
4-Bromofluorobenzene
Concen: 23.453 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

Tgt Ion: 95 Resp: 233493
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.6
176 76.7 0.0 170.6

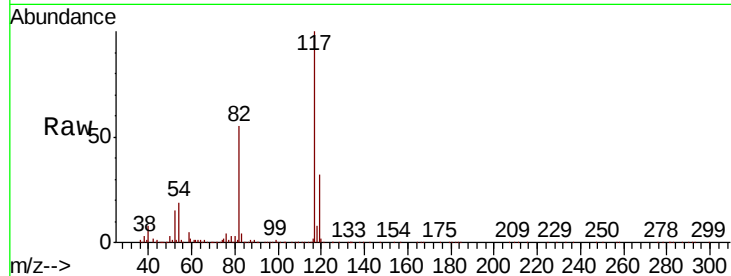




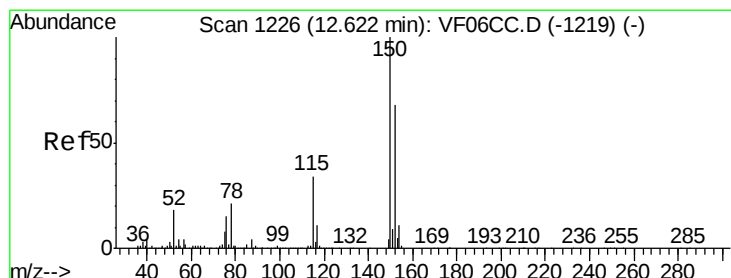
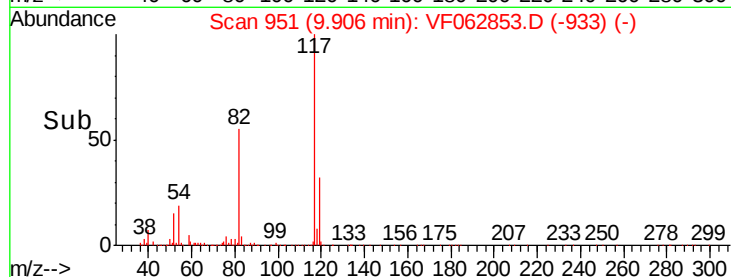
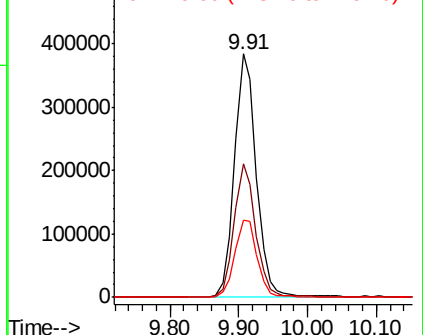
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 844918
Ion Ratio Lower Upper
117 100
82 54.7 42.4 63.6
119 31.9 27.1 40.7

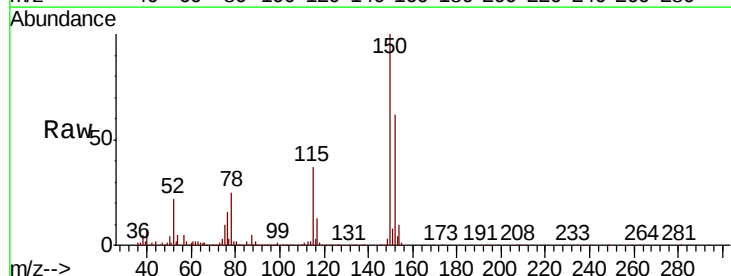


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

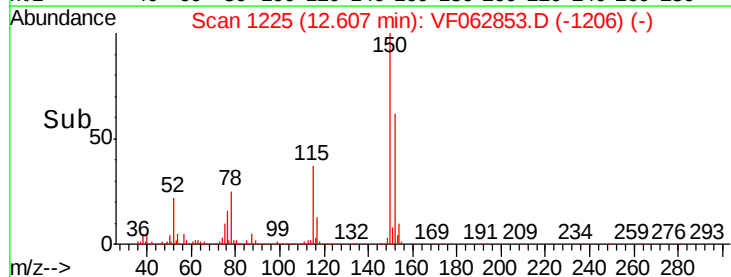
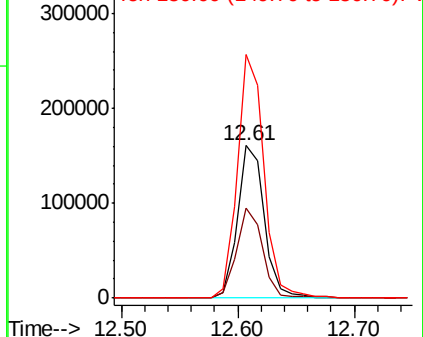


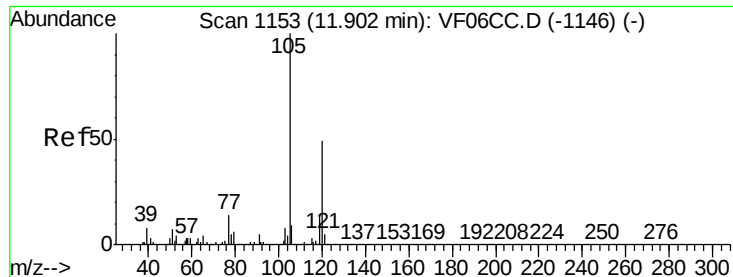
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062853.D
Acq: 4 Jun 2019 21:54

Tgt Ion:152 Resp: 255917
Ion Ratio Lower Upper
152 100
115 59.2 24.6 74.0
150 160.0 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V

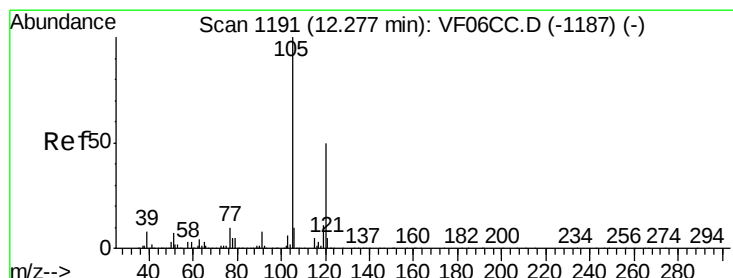
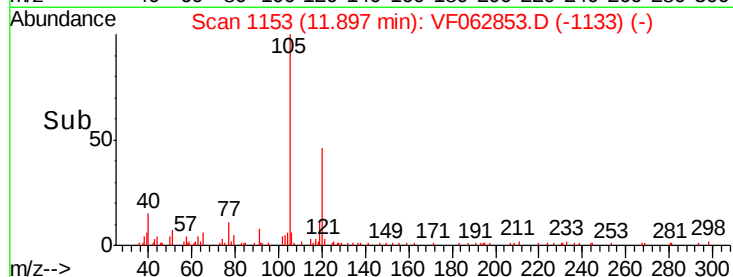
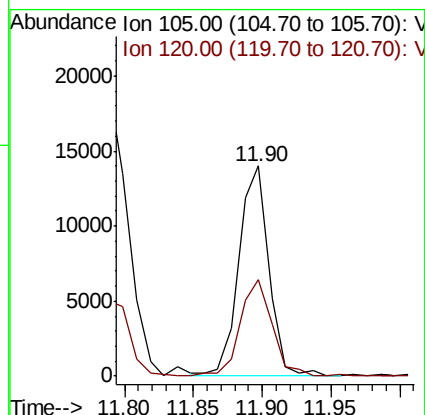
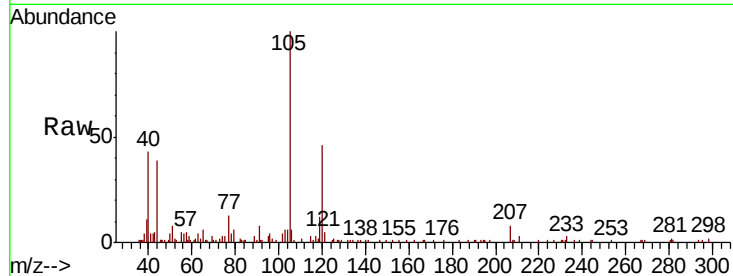




#80
 1,3,5-Trimethylbenzene
 Concen: 1.464 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

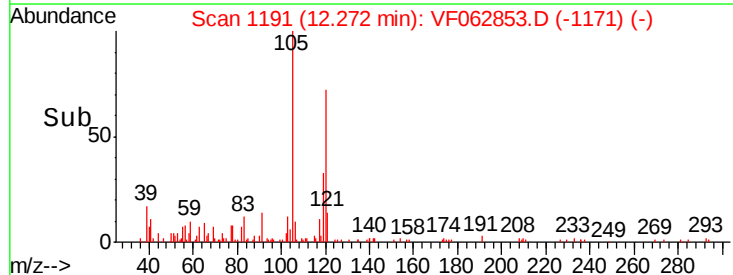
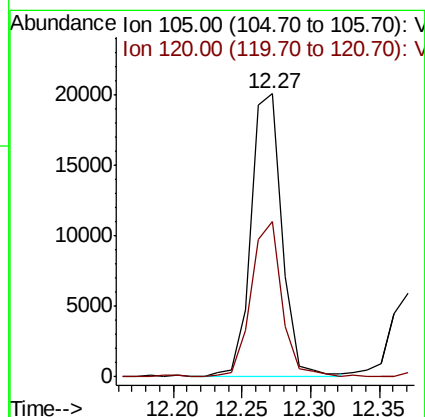
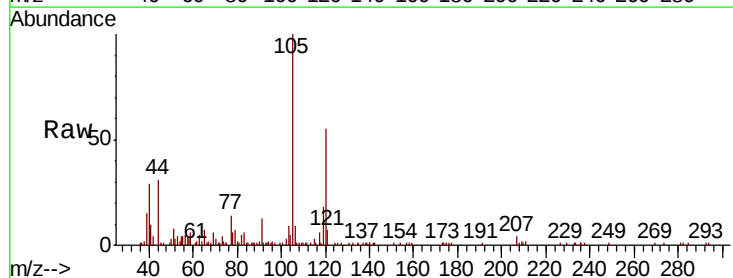
Instrument :
 MSVOA_F
 ClientSampleId :

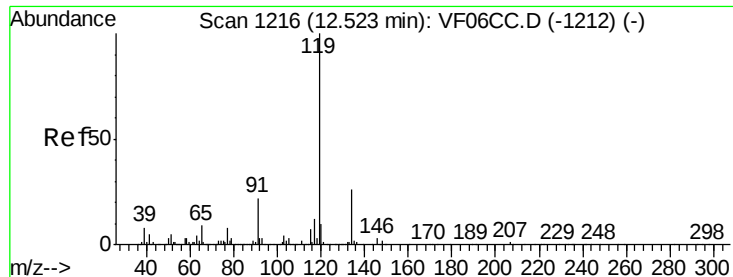
Tot Ion:105 Resp: 21381
 Ion Ratio Lower Upper
 105 100
 120 46.1 28.7 86.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.296 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

Tgt Ion:105 Resp: 31784
 Ion Ratio Lower Upper
 105 100
 120 55.1 27.1 81.3

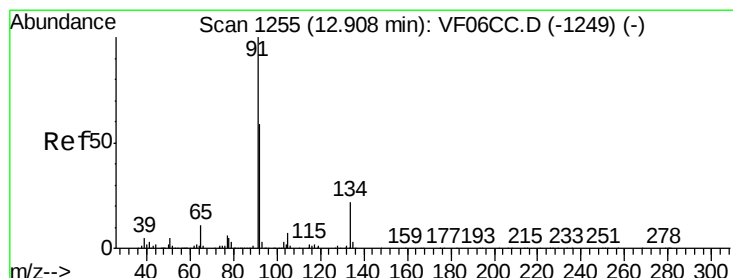
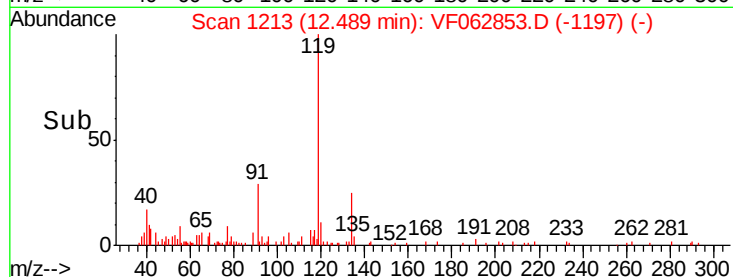
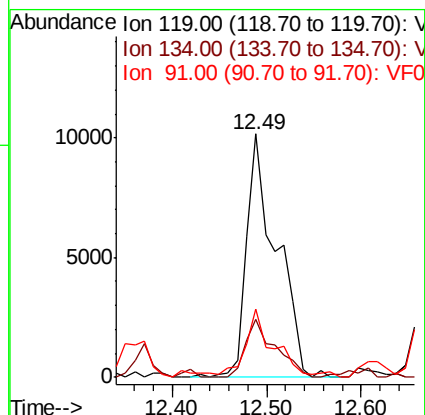
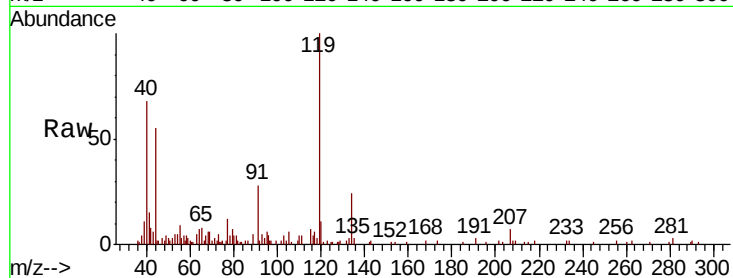




#86
 p-Isopropyltoluene
 Concen: 1.406 ug/l
 RT: 12.49 min Scan# 1213
 Delta R.T. -0.05 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

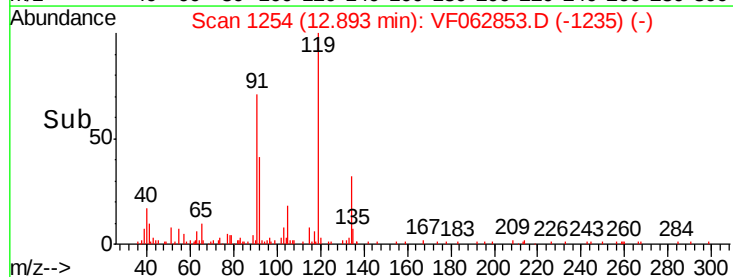
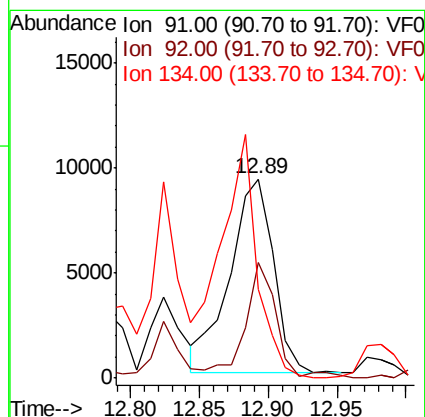
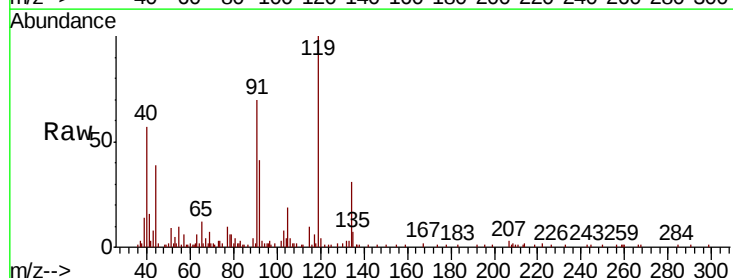
Instrument :
 MSVOA_F
 ClientSampleID :

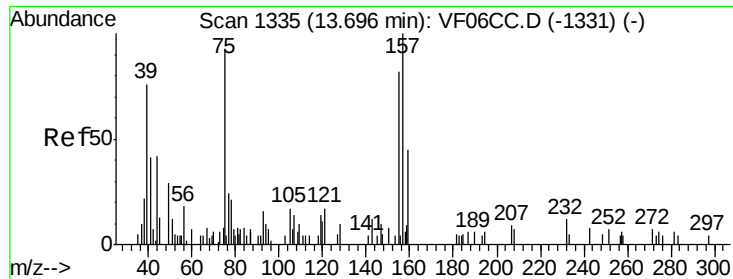
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.0	15.5	46.5
91	27.8	10.3	30.9



#89
 n-Butylbenzene
 Concen: 1.288 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: VF062853.D
 Acq: 4 Jun 2019 21:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	34.2	102.6
134	44.8	15.8	47.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.158 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

Instrument :

MSVOA_F

ClientSampled :

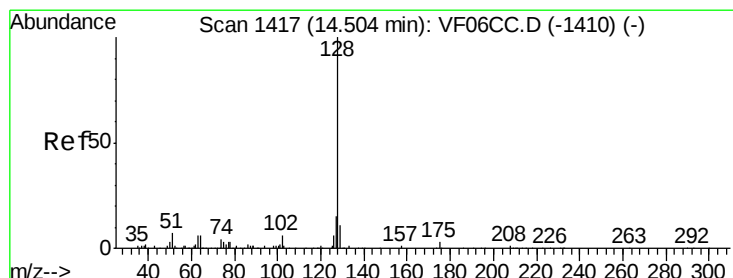
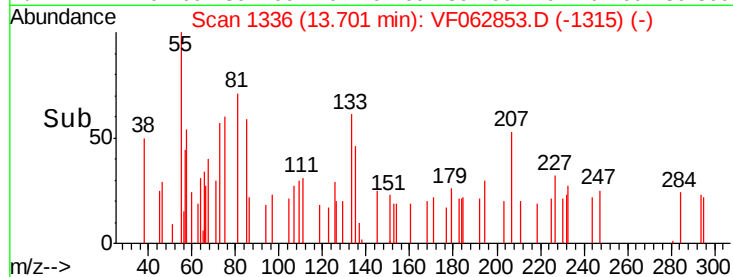
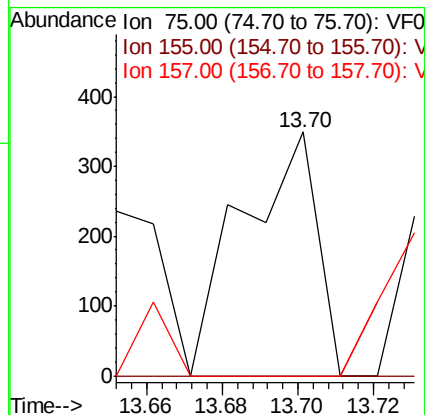
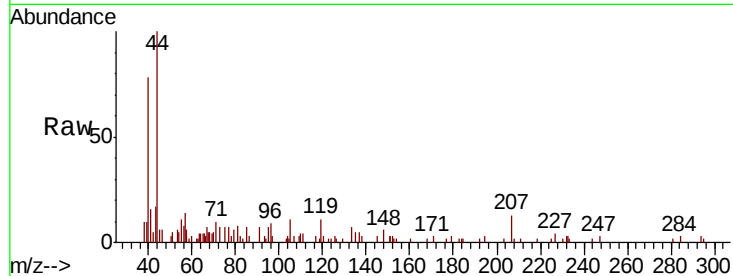
Tot Ion: 75 Resp: 481

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 0.0 66.8 200.6#



#95

Naphthalene

Concen: 2.221 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF062853.D

Acq: 4 Jun 2019 21:54

Tgt Ion:128 Resp: 17375

Ion Ratio Lower Upper

128 100

127 16.9 9.7 14.5#

129 39.7 9.4 14.2#

