

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062864.D
 Acq On : 5 Jun 2019 14:43
 Operator : FY/SY
 Sample : K3151-03RE
 Misc : 5.29g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:01:15 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	579124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1058385	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	744455	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	212914	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	207041	51.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.40%	
35) Dibromofluoromethane	4.33	113	378302	47.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.60%	
50) Toluene-d8	7.72	98	700286	34.63	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	69.26%	
62) 4-Bromofluorobenzene	11.51	95	229193	31.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.00%	

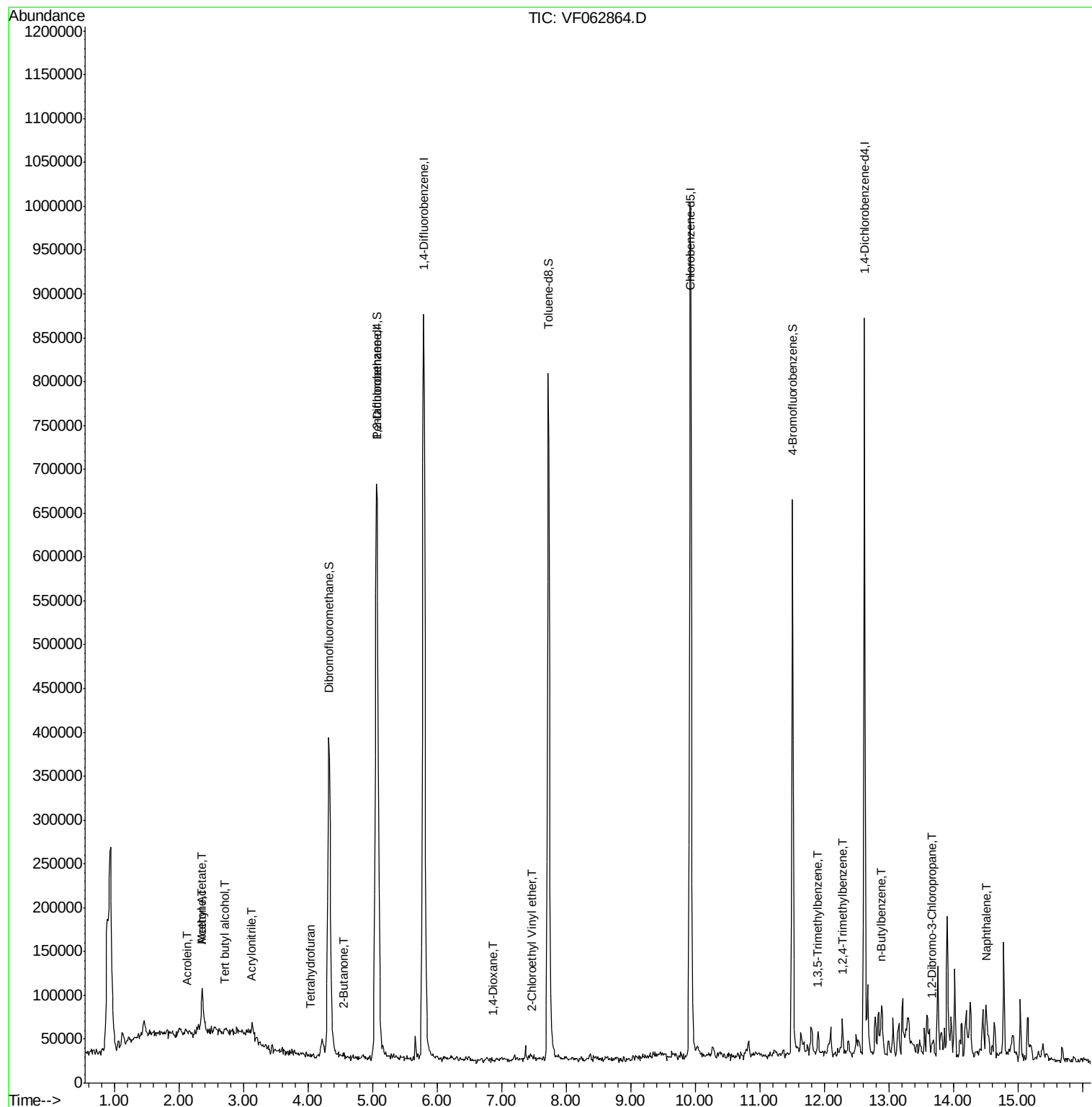
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	1651	Below Cal		73
11) Tert butyl alcohol	2.70	59	2585	10.655	ug/l #	1
13) Acrolein	2.13	56	1067	2.923	ug/l #	67
15) Acrylonitrile	3.12	53	1228	1.347	ug/l #	75
16) Acetone	2.36	43	75878	82.784	ug/l	98
18) Methyl Acetate	2.36	43	68574	42.813	ug/l #	50
20) Methylene Chloride	2.36	84	11314	Below Cal	#	87
25) 2-Butanone	4.55	43	2415	1.131	ug/l #	76
29) Tetrahydrofuran	4.05	42	897	1.099	ug/l	92
49) 1,4-Dioxane	6.86	88	419	12.536	ug/l #	19
58) 2-Chloroethyl Vinyl ether	7.47	63	2610	1.525	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	13312	1.096	ug/l	89
84) 1,2,4-Trimethylbenzene	12.28	105	16646	1.445	ug/l	100
89) n-Butylbenzene	12.90	91	14518	1.093	ug/l #	57
92) 1,2-Dibromo-3-Chloropropan	13.66	75	1018	2.945	ug/l #	11
95) Naphthalene	14.50	128	8929	1.372	ug/l #	54

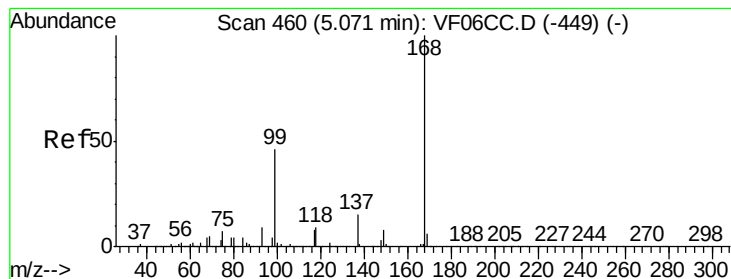
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

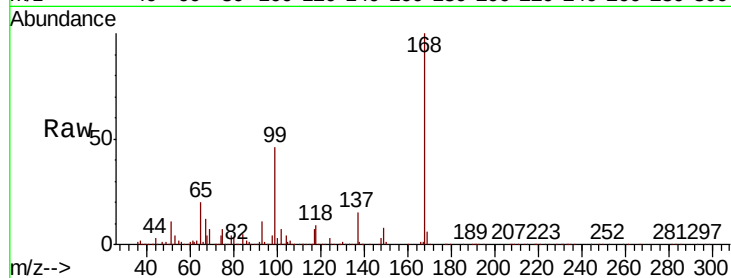
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 579124

Ion Ratio Lower Upper

168 100

99 46.3 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

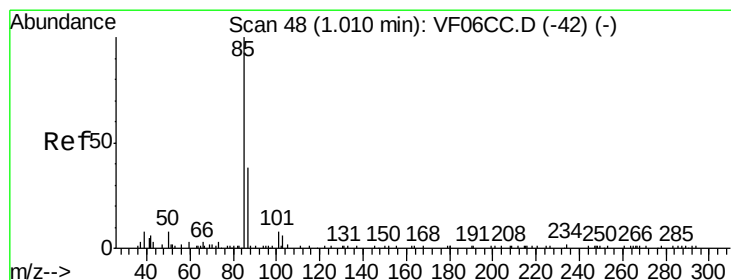
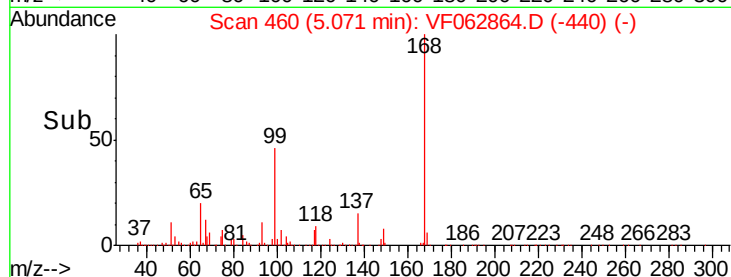
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062864.D

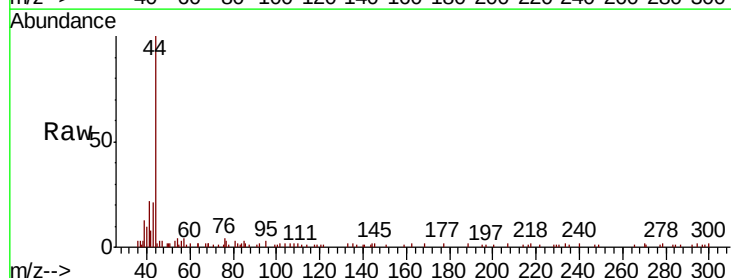
Acq: 5 Jun 2019 14:43

Tgt Ion: 85 Resp: 1651

Ion Ratio Lower Upper

85 100

87 19.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.03

600

500

400

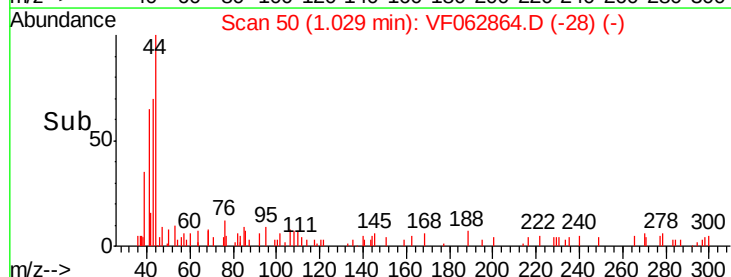
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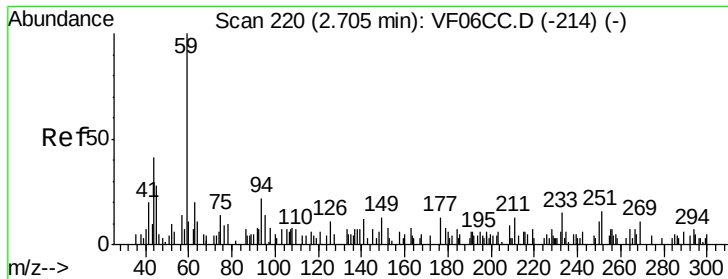
200

100

0

Time-->

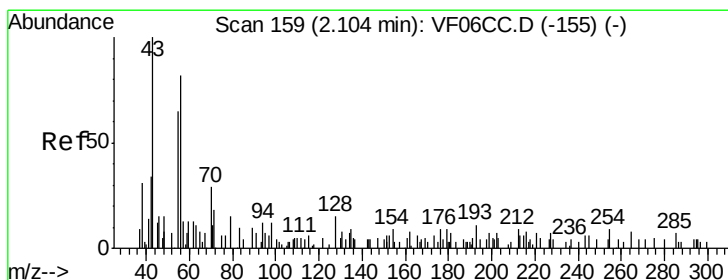
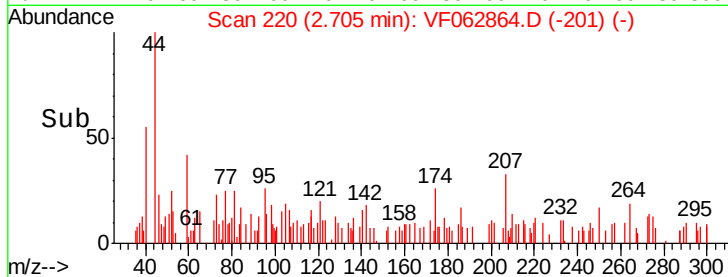
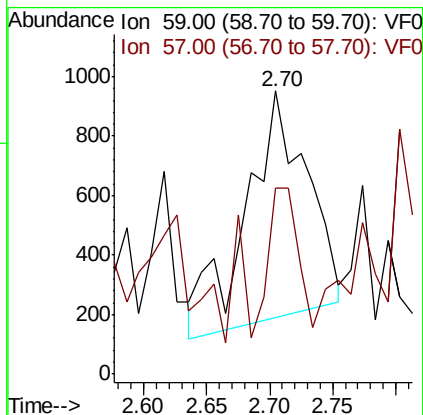
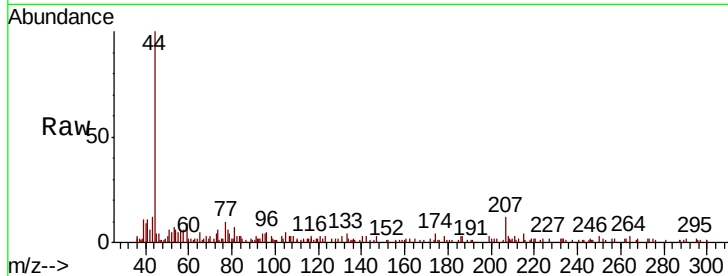




#11
Tert butyl alcohol
Concen: 10.655 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

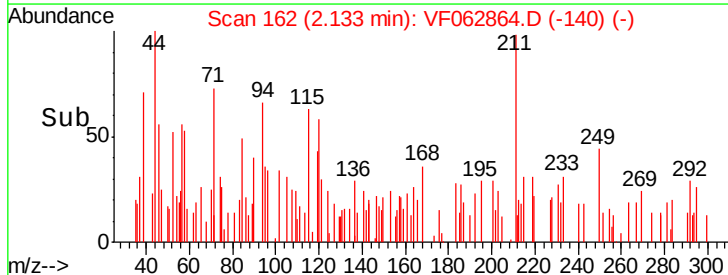
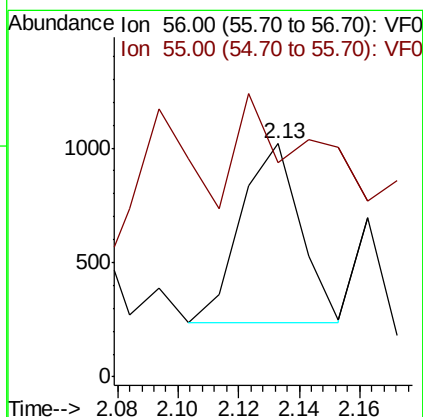
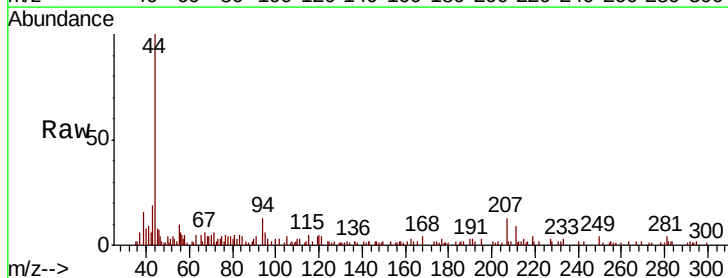
Instrument :
MSVOA_F
ClientSampled :

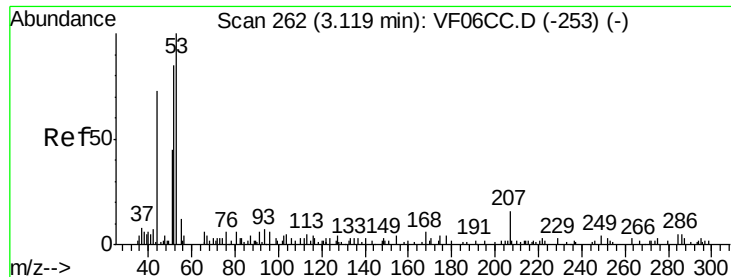
Tot Ion: 59 Resp: 2585
Ion Ratio Lower Upper
59 100
57 65.7 9.2 13.8#



#13
Acrolein
Concen: 2.923 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.02 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion: 56 Resp: 1067
Ion Ratio Lower Upper
56 100
55 92.0 52.9 79.3#





#15

Acrylonitrile

Concen: 1.347 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.01 min

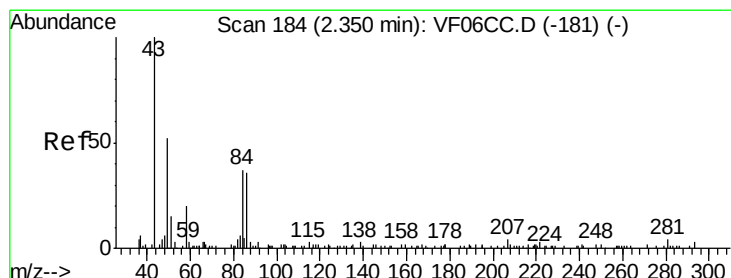
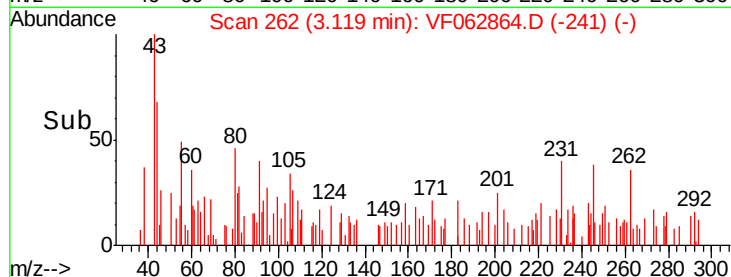
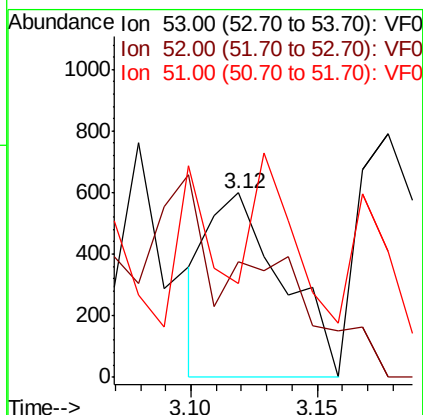
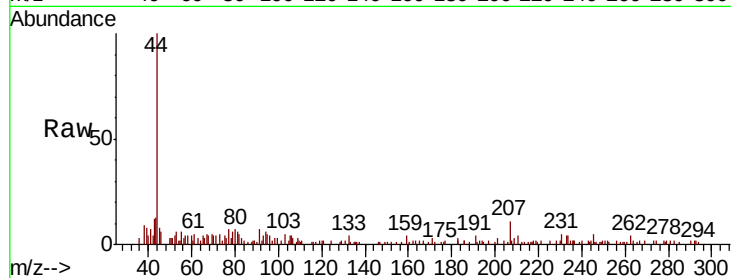
Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 1228

Ion	Ratio	Lower	Upper
53	100		
52	63.0	68.1	102.1#
51	50.7	27.7	41.5#



#16

Acetone

Concen: 82.784 ug/l

RT: 2.36 min Scan# 185

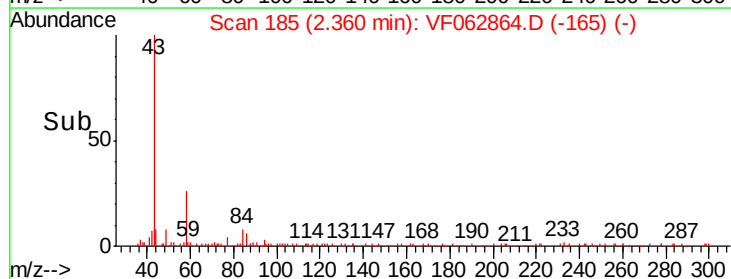
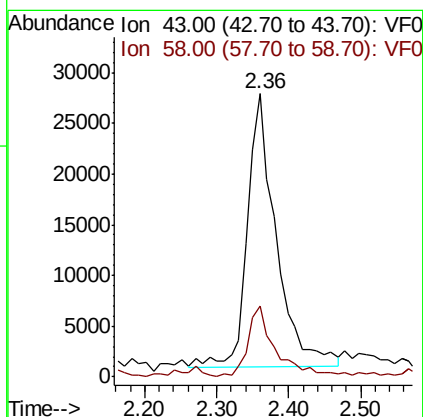
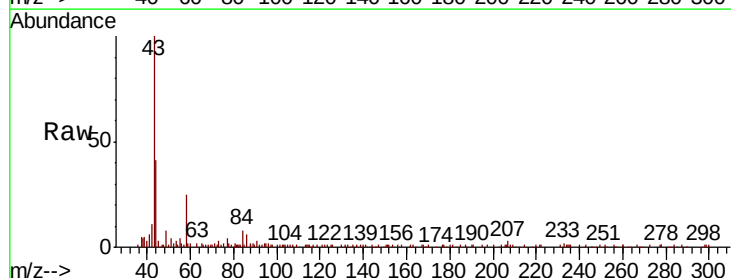
Delta R.T. -0.00 min

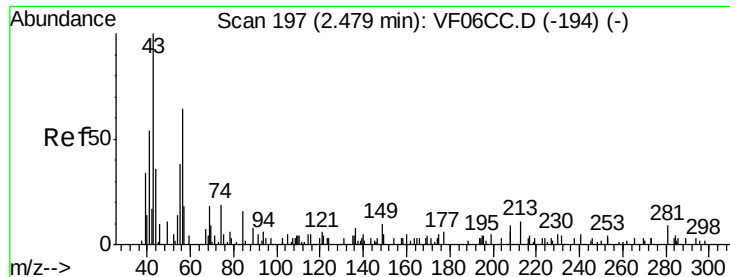
Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

Tgt Ion: 43 Resp: 75878

Ion	Ratio	Lower	Upper
43	100		
58	24.9	19.0	28.4

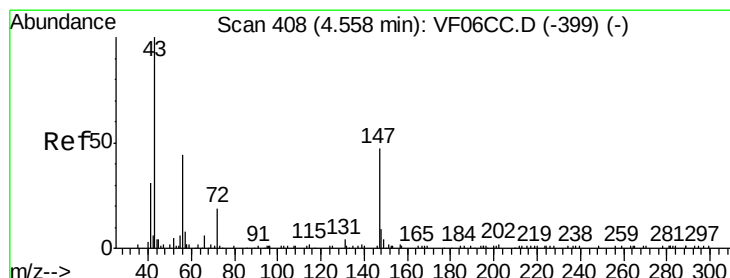
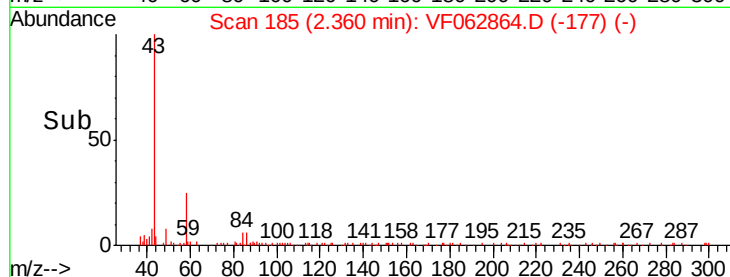
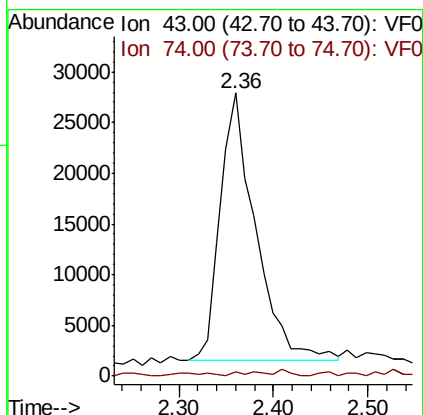
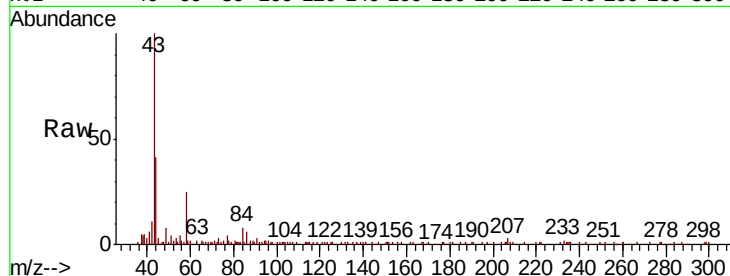




#18
Methyl Acetate
Concen: 42.813 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.12 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

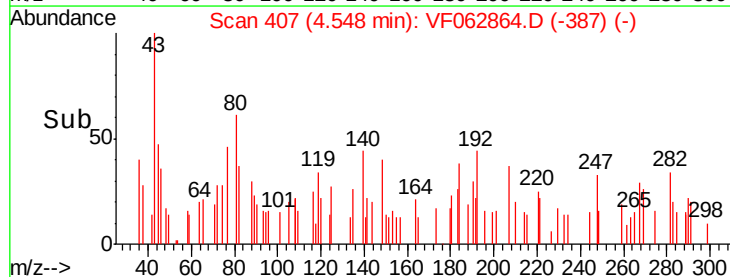
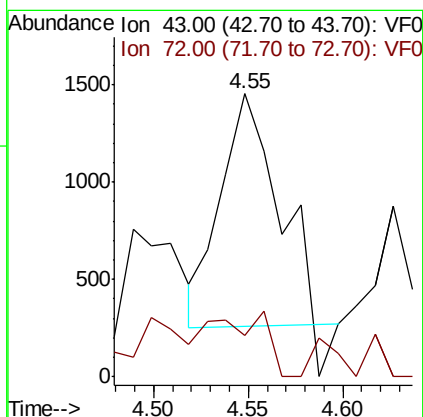
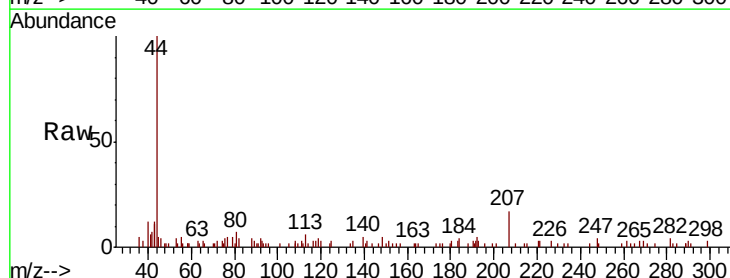
Instrument :
MSVOA_F
ClientSampleId :

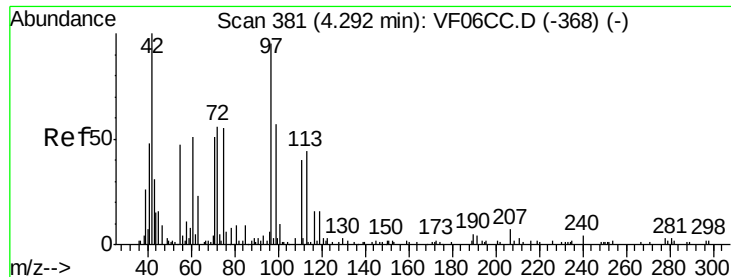
Tot Ion: 43 Resp: 68574
Ion Ratio Lower Upper
43 100
74 1.4 22.1 33.1#



#25
2-Butanone
Concen: 1.131 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
72 14.5 21.4 32.0#

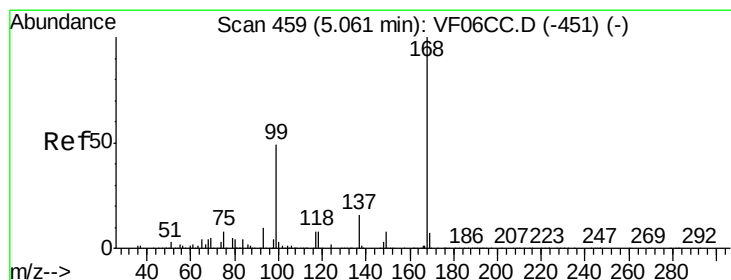
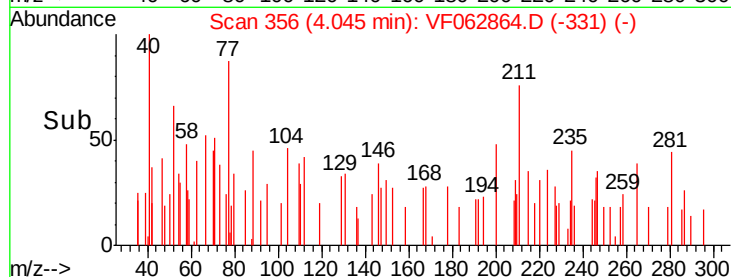
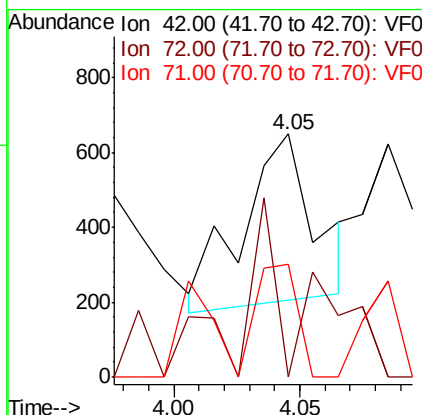
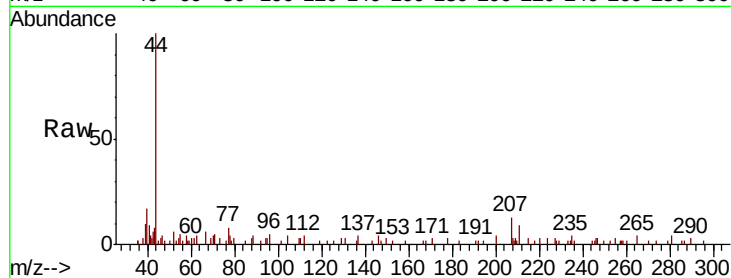




#29
Tetrahydrofuran
Concen: 1.099 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.25 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

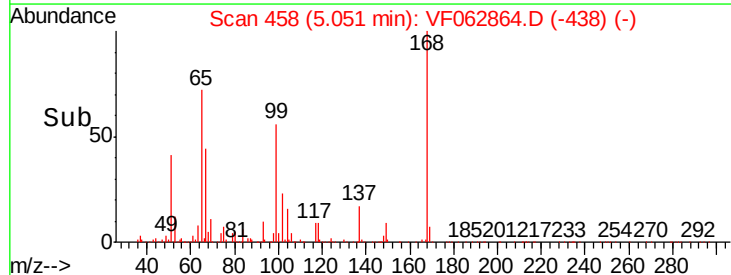
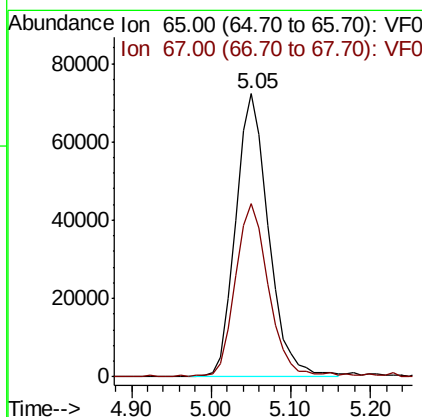
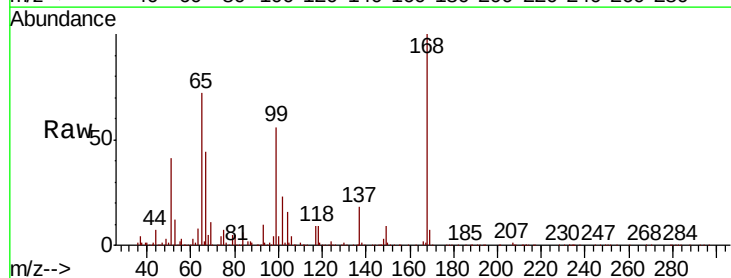
Instrument :
MSVOA_F
ClientSampled :

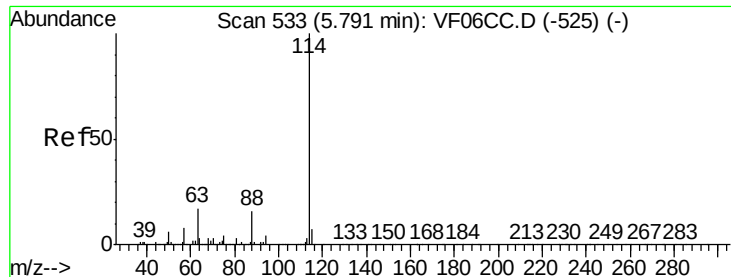
Tot Ion: 42 Resp: 897
Ion Ratio Lower Upper
42 100
72 52.8 39.0 58.6
71 39.1 36.9 55.3



#33
1,2-Dichloroethane-d4
Concen: 51.700 ug/l
RT: 5.05 min Scan# 458
Delta R.T. -0.00 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion: 65 Resp: 207041
Ion Ratio Lower Upper
65 100
67 61.1 0.0 121.2

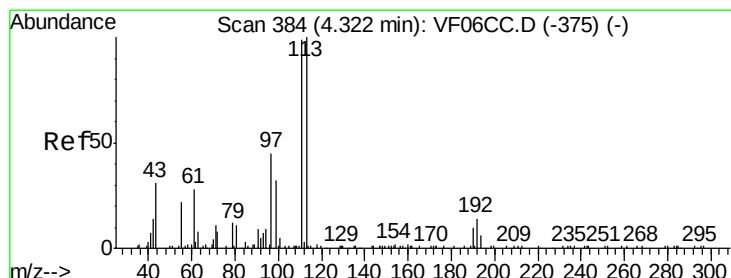
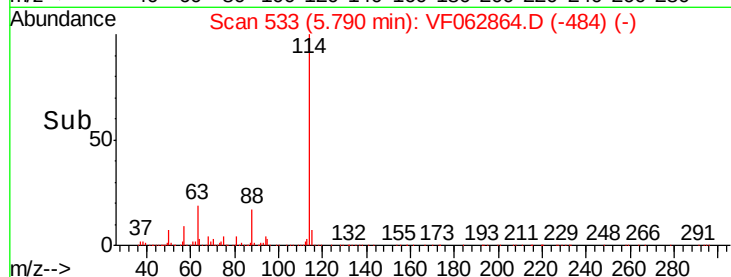
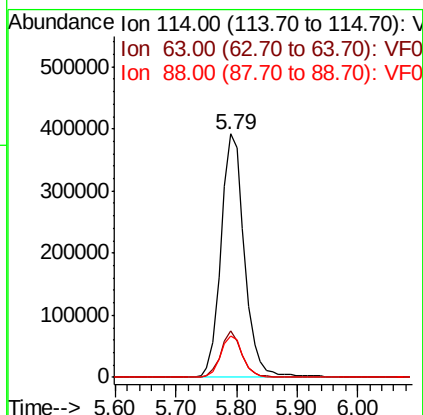
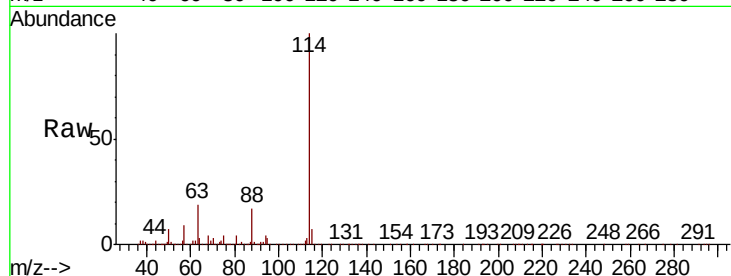




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.79 min Scan# 533
Delta R.T. -0.01 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

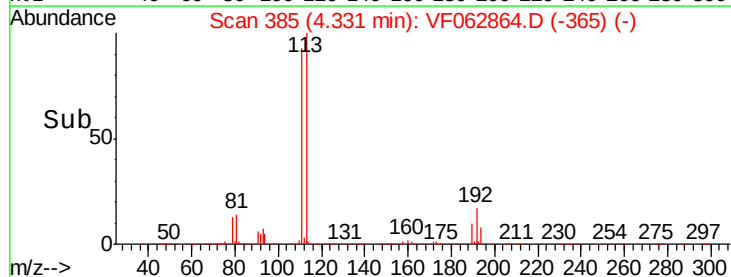
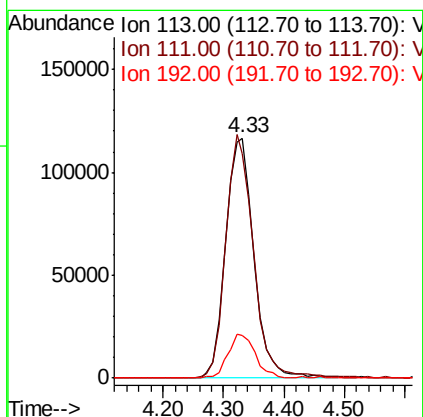
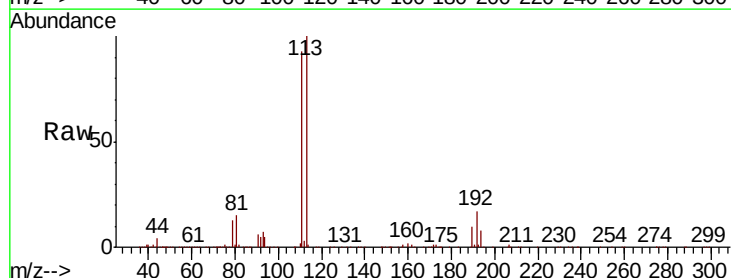
Instrument :
MSVOA_F
ClientSampleId :

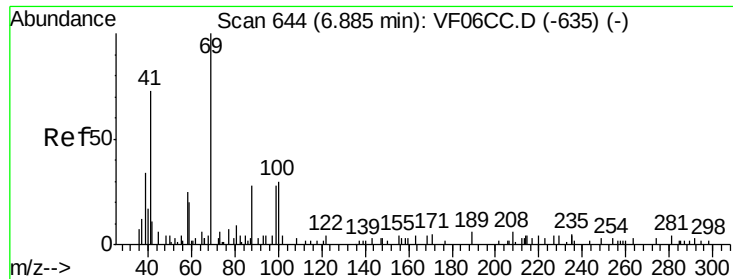
Tot Ion:114 Resp: 1058385
Ion Ratio Lower Upper
114 100
63 19.1 0.0 34.2
88 17.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 47.301 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion:113 Resp: 378302
Ion Ratio Lower Upper
113 100
111 92.7 81.9 122.9
192 17.5 15.1 22.7

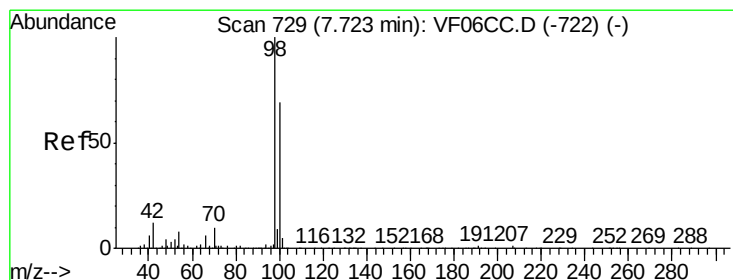
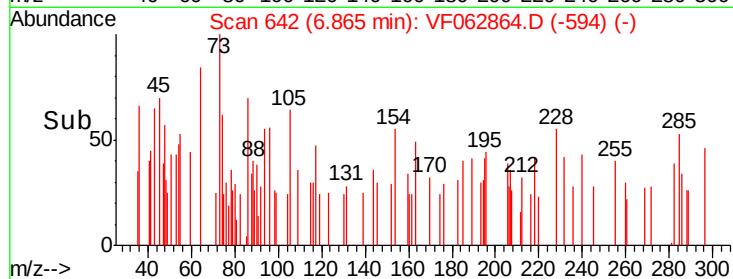
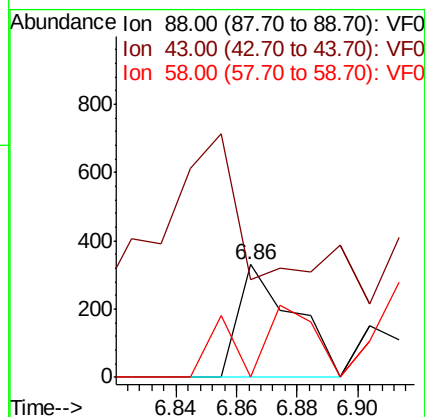
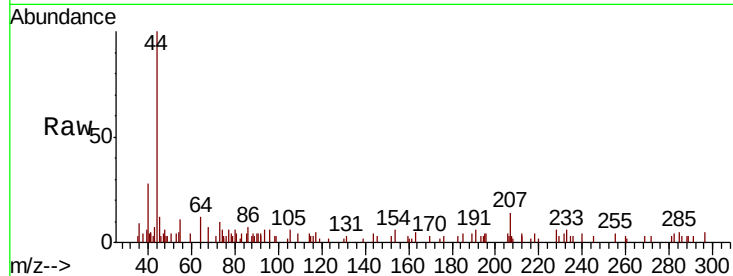




#49
1,4-Dioxane
Concen: 12.536 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

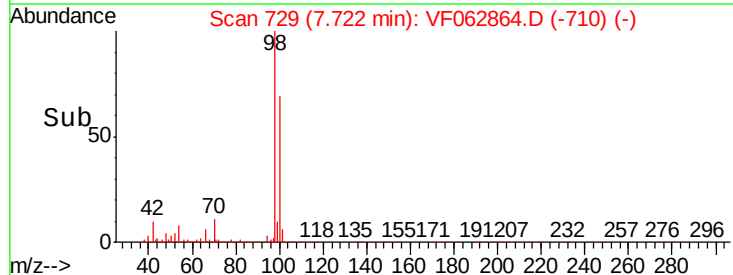
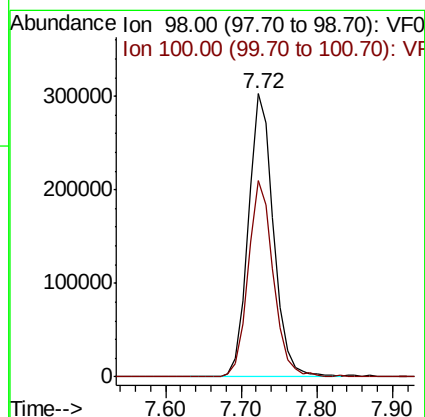
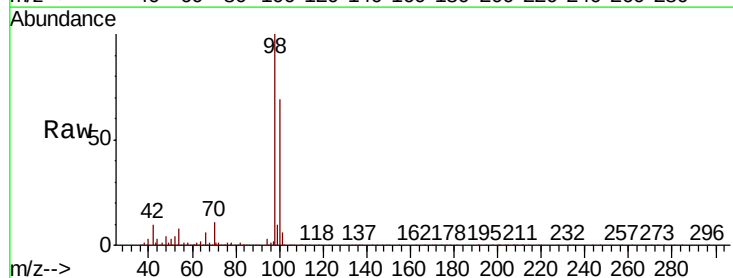
Instrument :
MSVOA_F
ClientSampleId :

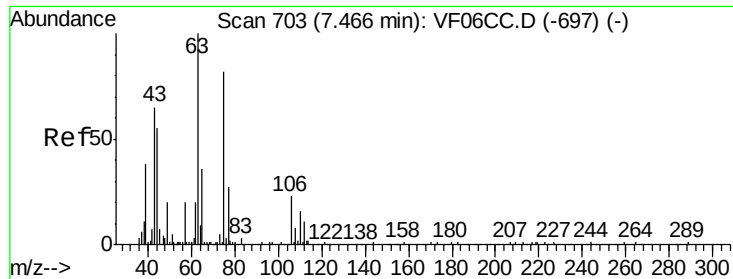
Tot Ion: 88 Resp: 419
Ion Ratio Lower Upper
88 100
43 87.3 34.8 52.2#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 34.626 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion: 98 Resp: 700286
Ion Ratio Lower Upper
98 100
100 69.2 59.8 89.8

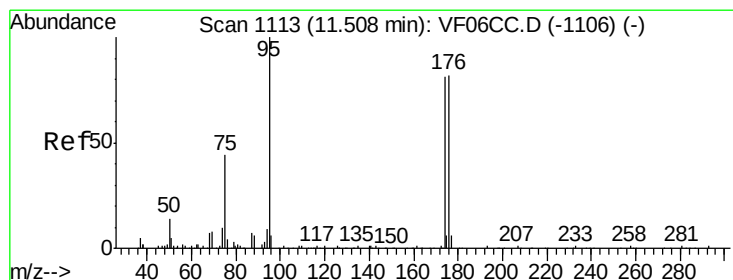
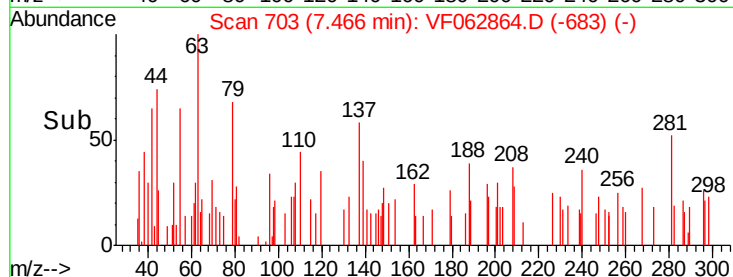
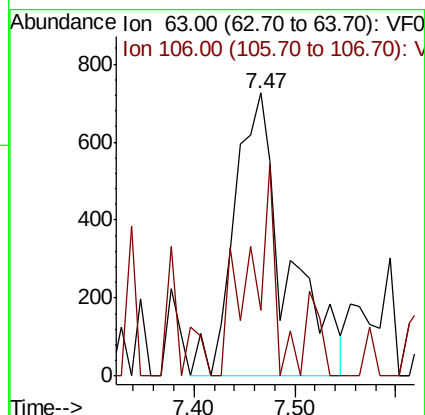
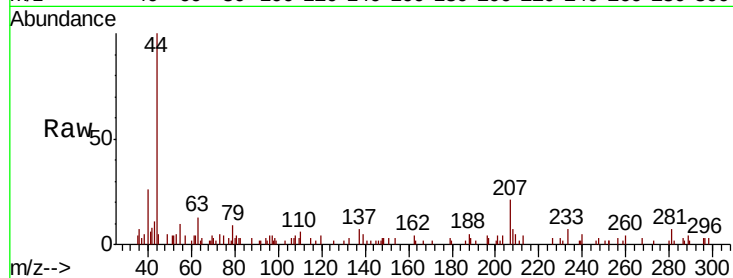




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.525 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062864.D
 Acq: 5 Jun 2019 14:43

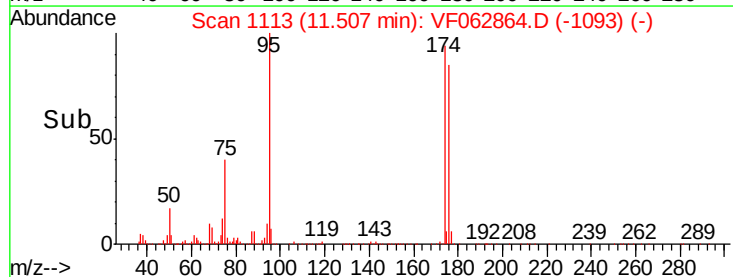
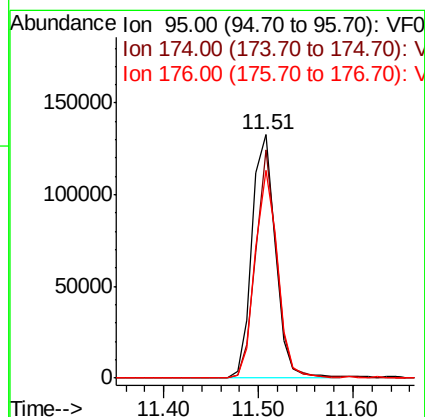
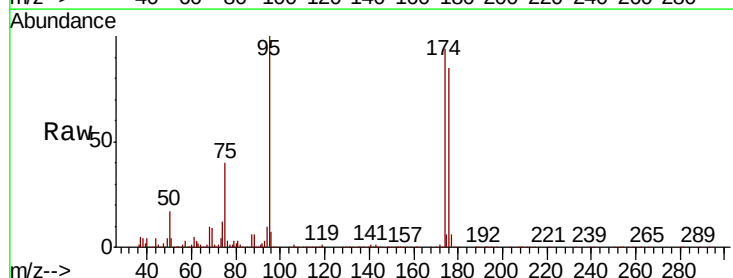
Instrument :
 MSVOA_F
 ClientSampled :

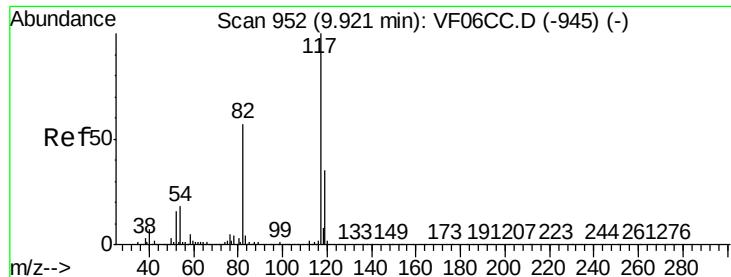
Tot Ion: 63 Resp: 2610
 Ion Ratio Lower Upper
 63 100
 106 23.1 19.5 29.3



#62
 4-Bromofluorobenzene
 Concen: 31.504 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF062864.D
 Acq: 5 Jun 2019 14:43

Tgt Ion: 95 Resp: 229193
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 170.6
 176 85.2 0.0 170.6

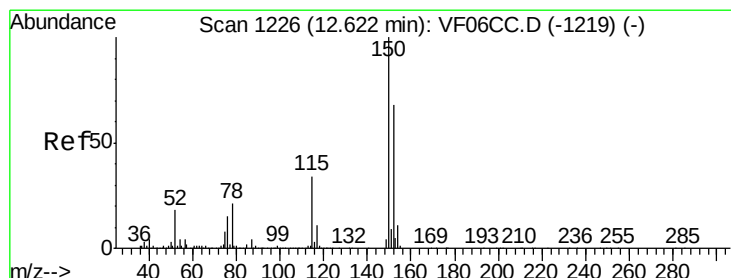
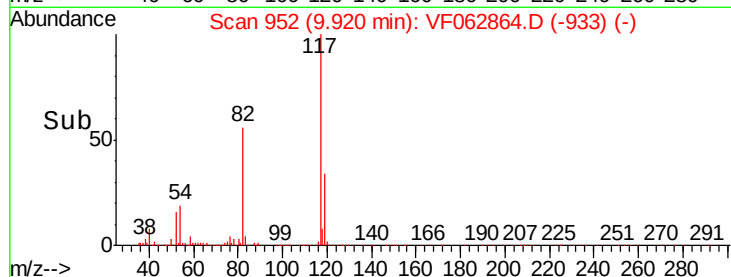
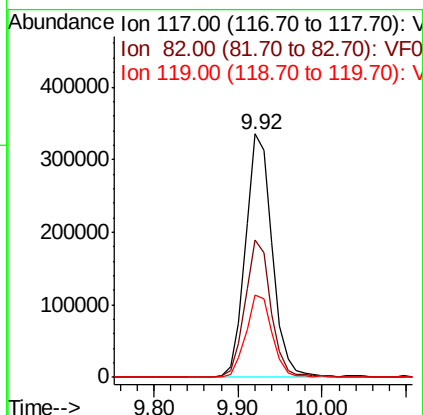
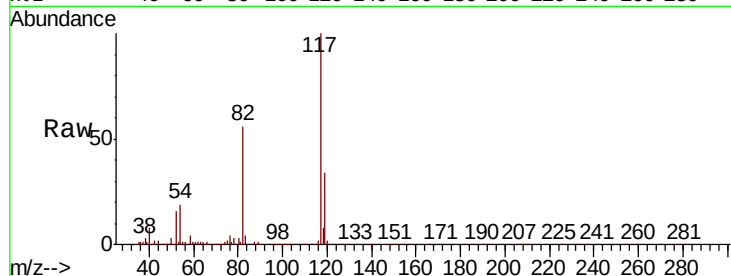




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

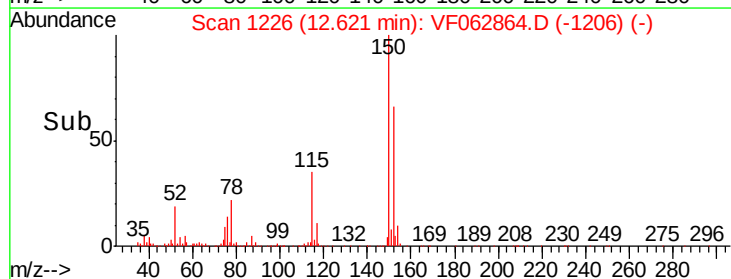
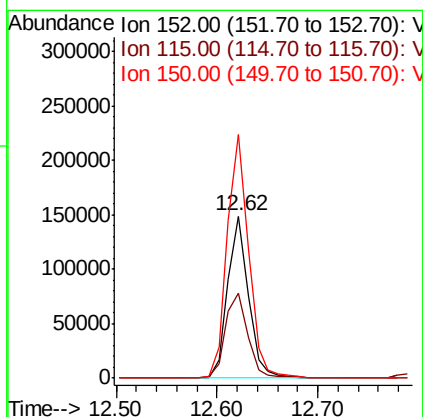
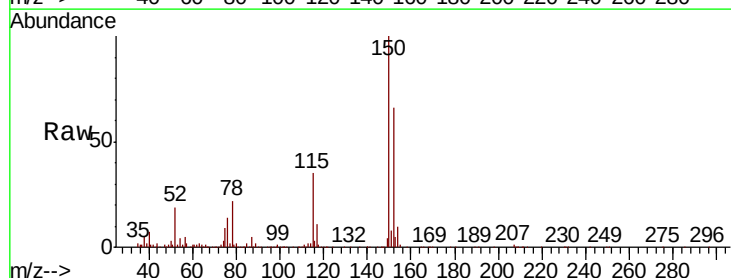
Instrument :
MSVOA_F
ClientSampleId :

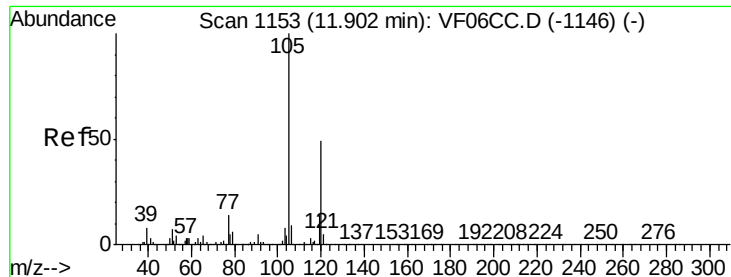
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.4	63.6
119	33.7	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062864.D
Acq: 5 Jun 2019 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	24.6	74.0
150	150.5	0.0	290.6





#80

1,3,5-Trimethylbenzene

Concen: 1.096 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

Instrument :

MSVOA_F

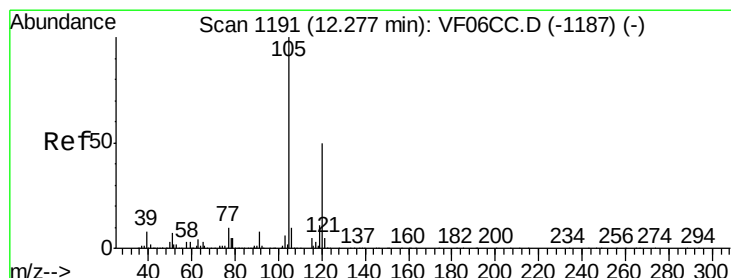
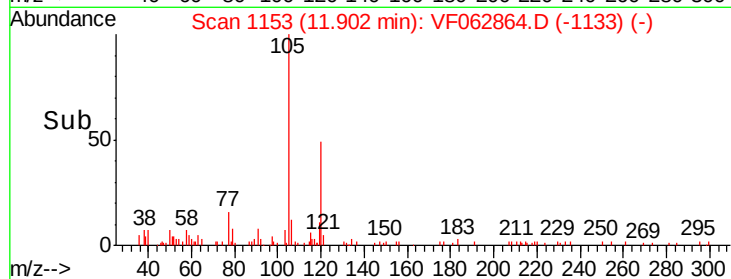
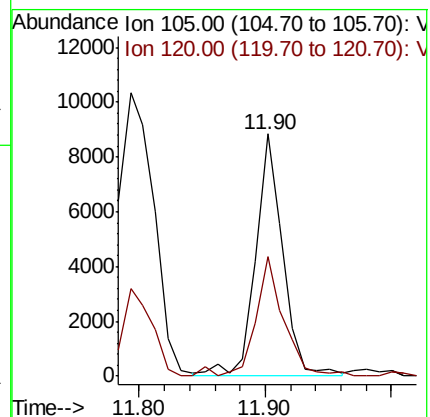
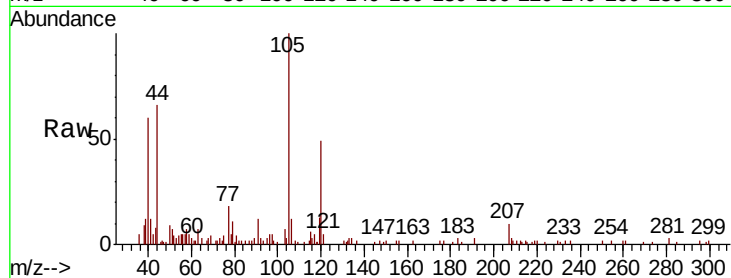
ClientSampled :

Tot Ion:105 Resp: 13312

Ion Ratio Lower Upper

105 100

120 49.4 28.7 86.1



#84

1,2,4-Trimethylbenzene

Concen: 1.445 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062864.D

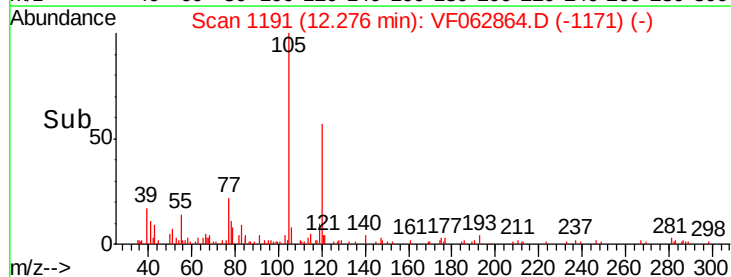
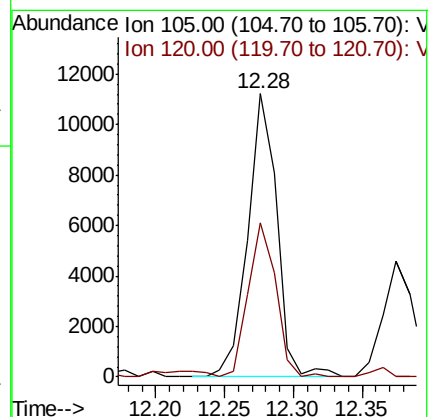
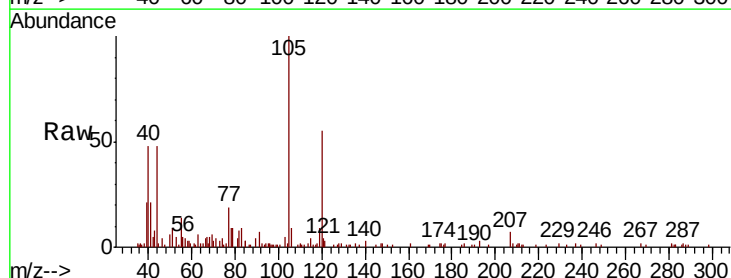
Acq: 5 Jun 2019 14:43

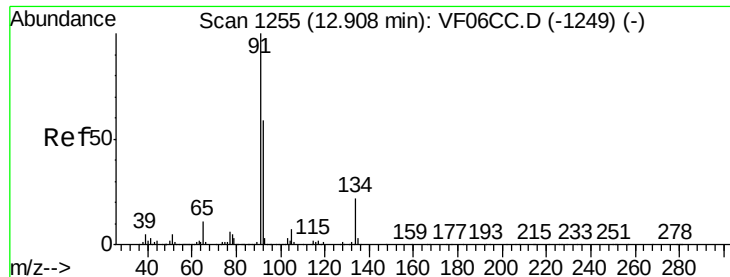
Tgt Ion:105 Resp: 16646

Ion Ratio Lower Upper

105 100

120 54.5 27.1 81.3





#89

n-Butylbenzene

Concen: 1.093 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

Instrument :

MSVOA_F

ClientSampled :

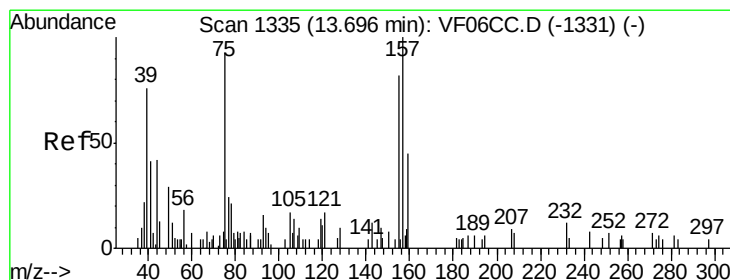
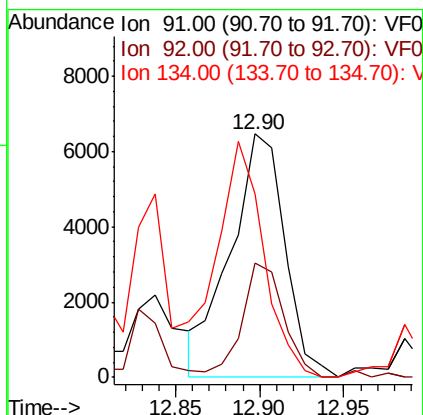
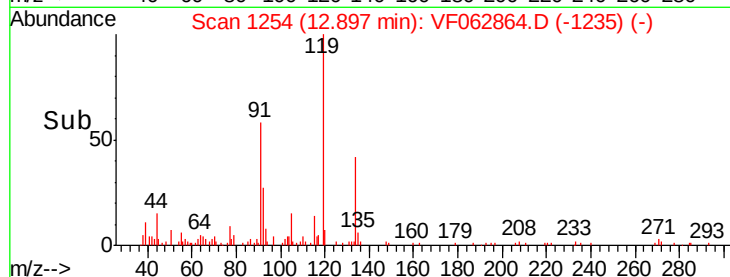
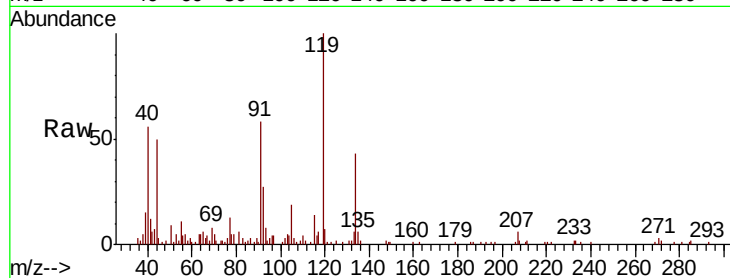
Tot Ion: 91 Resp: 14518

Ion Ratio Lower Upper

91 100

92 46.7 34.2 102.6

134 75.5 15.8 47.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.945 ug/l

RT: 13.66 min Scan# 1331

Delta R.T. -0.04 min

Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

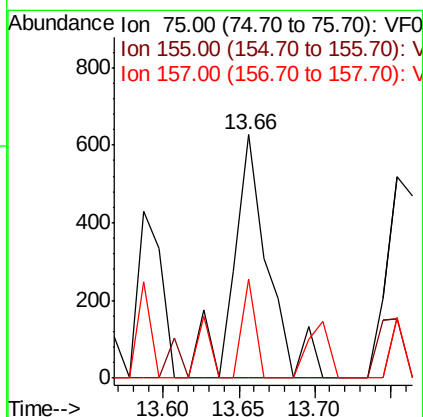
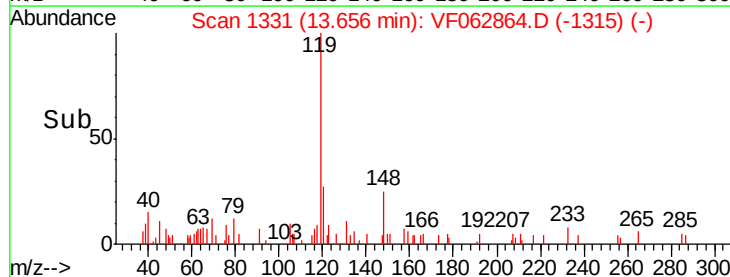
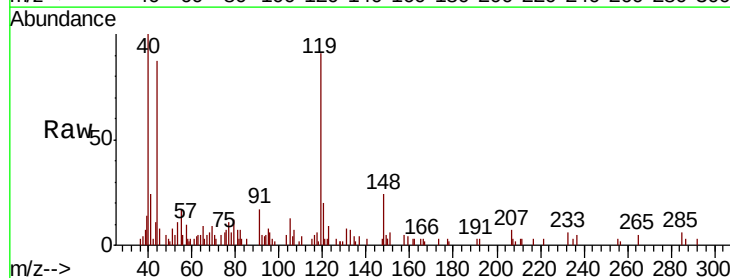
Tgt Ion: 75 Resp: 1018

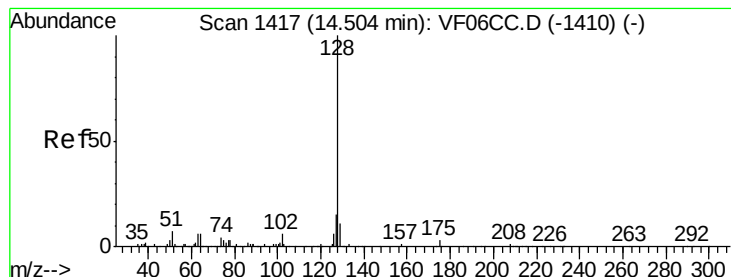
Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 40.7 66.8 200.6#





#95

Naphthalene

Concen: 1.372 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062864.D

Acq: 5 Jun 2019 14:43

Instrument :

MSVOA_F

ClientSampleId :

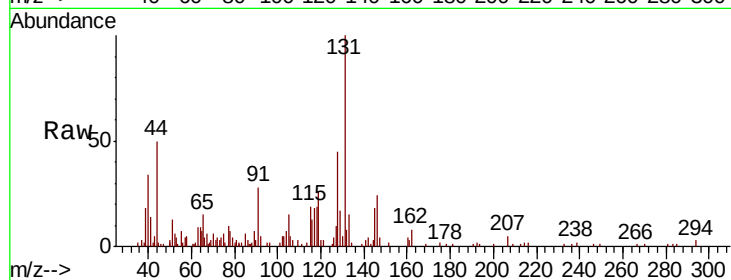
Tot Ion:128 Resp: 8929

Ion Ratio Lower Upper

128 100

127 22.3 9.7 14.5#

129 37.1 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

