

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062882.D
 Acq On : 6 Jun 2019 14:59
 Operator : FY/SY
 Sample : K3153-05
 Misc : 5.70µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-060519-C

Quant Time: Jun 07 01:24:36 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	5.08	168	646500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1197294	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	844906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	426738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	196274	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
35) Dibromofluoromethane	4.33	113	361749	39.98	ug/l	0.00
Spiked Amount			Recovery	=	79.96%	
50) Toluene-d8	7.73	98	715486	31.27	ug/l	0.00
Spiked Amount			Recovery	=	62.54%	
62) 4-Bromofluorobenzene	11.50	95	400268	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	1115	Below Cal		89
11) Tert butyl alcohol	2.71	59	1568	5.790	ug/l #	24
13) Acrolein	2.11	56	1194	2.950	ug/l	99
16) Acetone	2.36	43	42483	41.519	ug/l	99
20) Methylene Chloride	2.36	84	24204	1.848	ug/l #	88
29) Tetrahydrofuran	4.30	42	1155	1.267	ug/l #	67
43) Isopropyl Acetate	7.22	43	6322	1.136	ug/l #	64
48) Methyl methacrylate	7.00	41	13754	4.795	ug/l #	35
49) 1,4-Dioxane	6.87	88	651	17.218	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	99276	24.983	ug/l #	37
52) Toluene	7.80	92	133030	7.699	ug/l	97
55) 1,1,2-Trichloroethane	8.55	97	21001	4.069	ug/l #	42
56) Ethyl methacrylate	8.78	69	165995	29.972	ug/l #	82
58) 2-Chloroethyl Vinyl ether	7.47	63	2765	1.428	ug/l #	78
59) 2-Hexanone	9.56	43	25860	9.130	ug/l #	24
67) Ethyl Benzene	10.05	91	85761	3.063	ug/l	93
68) m/p-Xylenes	10.27	106	124751	11.643	ug/l #	71
69) o-Xylene	10.83	106	1041927	96.047	ug/l	93
73) Isopropylbenzene	11.23	105	34018	1.142	ug/l	94
74) N-amyl acetate	11.48	43	223818	26.670	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	11.76	83	257598	40.511	ug/l #	1
76) 1,2,3-Trichloropropane	11.91	75	29914	7.097	ug/l #	1
78) n-propylbenzene	11.68	91	106452	2.961	ug/l	84
79) 2-Chlorotoluene	11.81	91	362203	17.607	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.91	105	2952126	121.234	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.91	75	28563	16.006	ug/l #	1
82) 4-Chlorotoluene	11.91	91	293817	14.533	ug/l #	38
83) tert-Butylbenzene	12.20	119	32026	1.327	ug/l	74
84) 1,2,4-Trimethylbenzene	12.28	105	342522	14.836	ug/l	94
85) sec-Butylbenzene	12.38	105	189691	5.966	ug/l	88
86) p-Isopropyltoluene	12.50	119	1894575	71.591	ug/l	99
89) n-Butylbenzene	12.89	91	643751	24.182	ug/l #	1
90) Hexachloroethane	12.99	117	72031	11.160	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.69	75	4995	7.210	ug/l #	17

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Response via : Initial Calibration

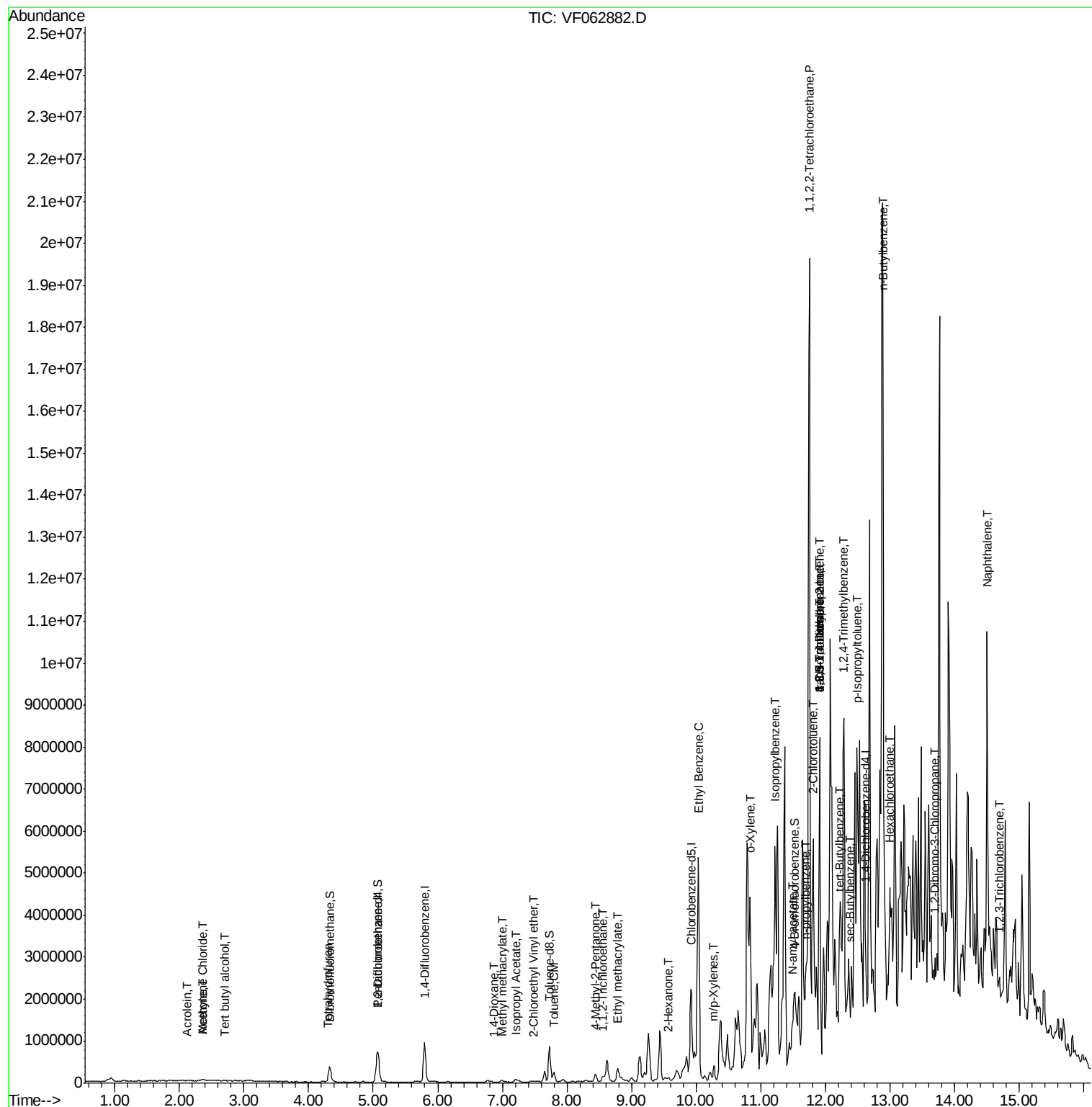
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.50	128	211643	16.224	ug/l #	7
96) 1,2,3-Trichlorobenzene	14.68	180	41341	5.688	ug/l #	1

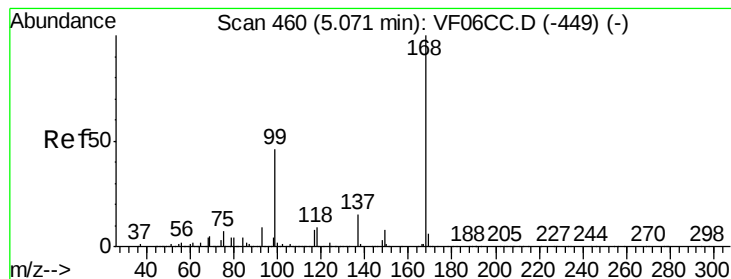
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

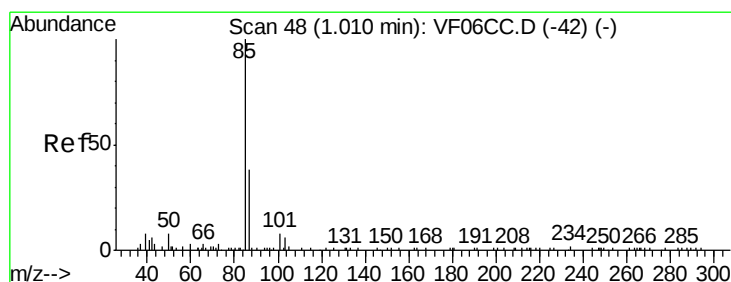
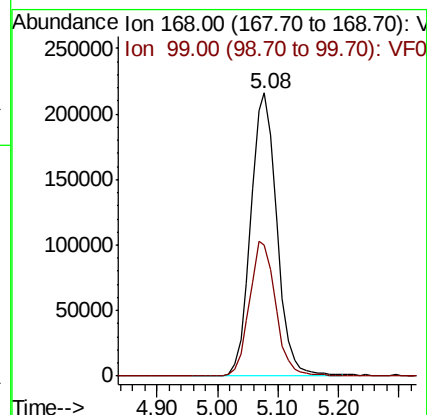
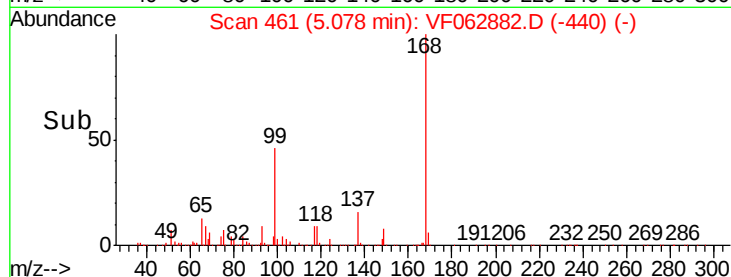
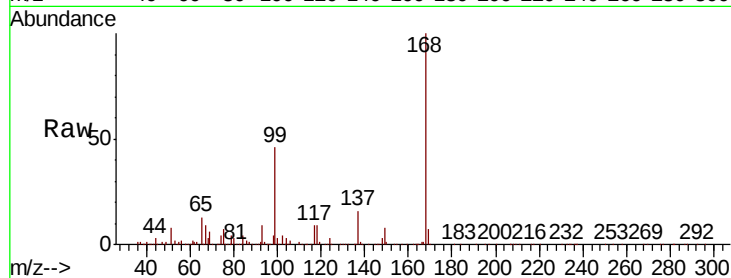
HR-05-060519-C

Tot Ion:168 Resp: 646500

Ion Ratio Lower Upper

168 100

99 46.5 39.1 58.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.05 min Scan# 52

Delta R.T. 0.03 min

Lab File: VF062882.D

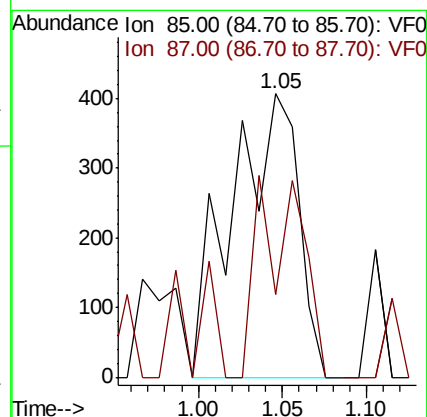
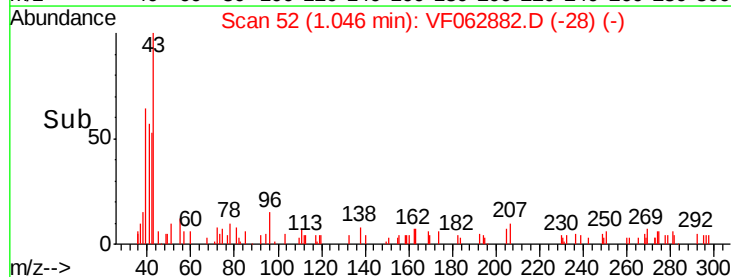
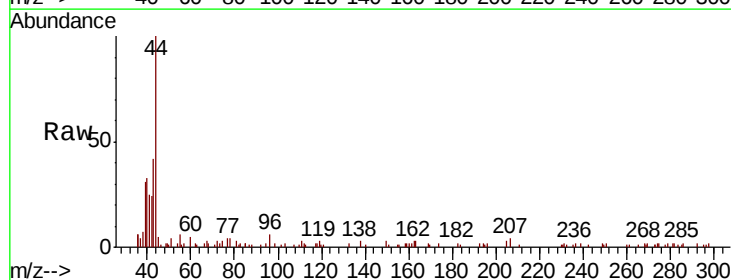
Acq: 6 Jun 2019 14:59

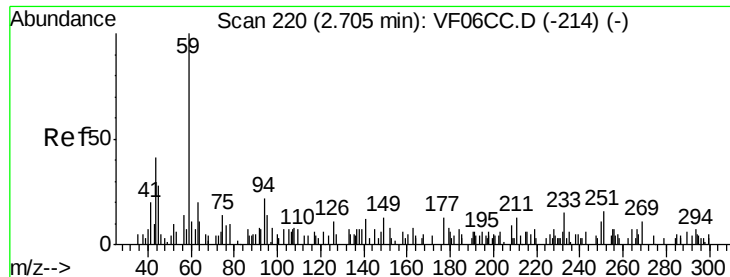
Tgt Ion: 85 Resp: 1115

Ion Ratio Lower Upper

85 100

87 29.0 17.6 52.9



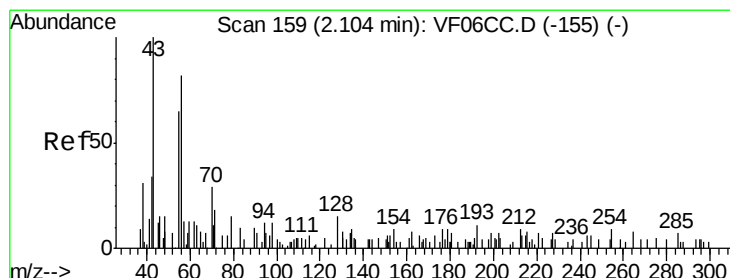
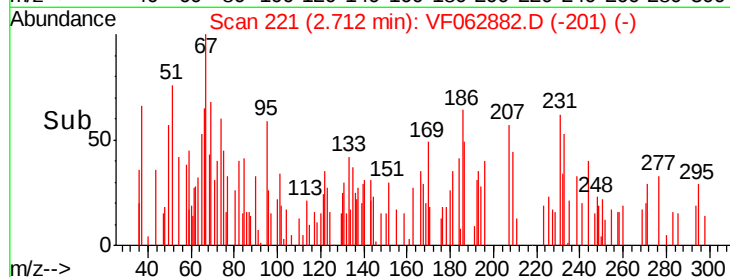
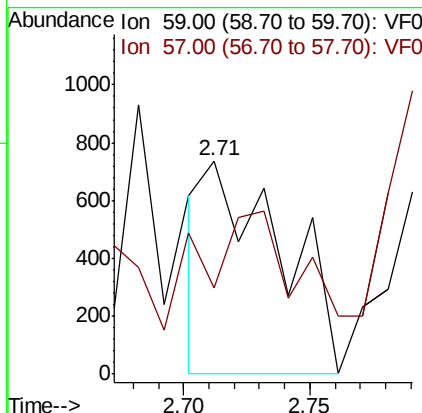
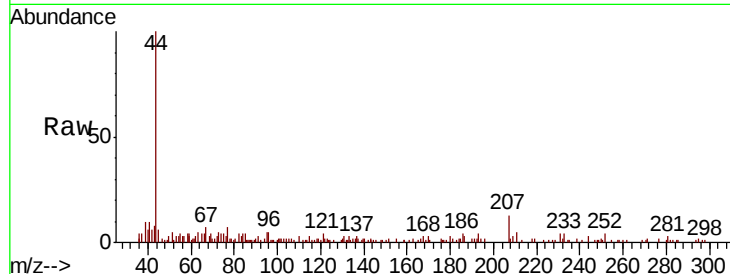


#11

Tert butyl alcohol
 Concen: 5.790 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

Instrument :
 MSVOA_F
 ClientSampleID :
 HR-05-060519-C

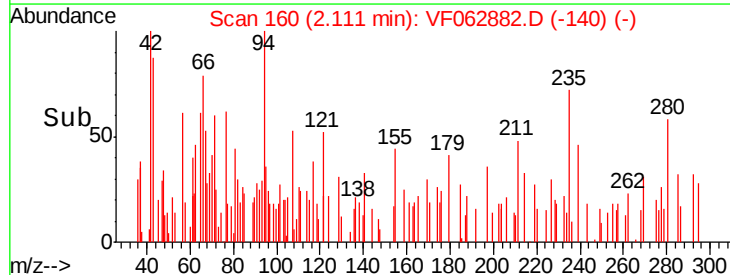
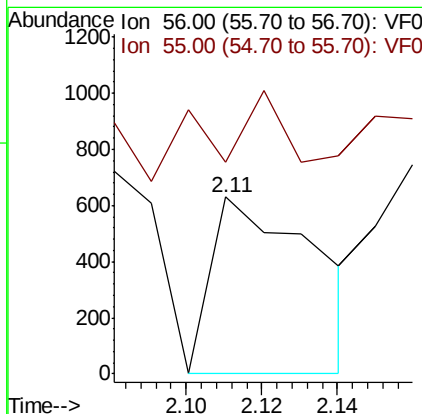
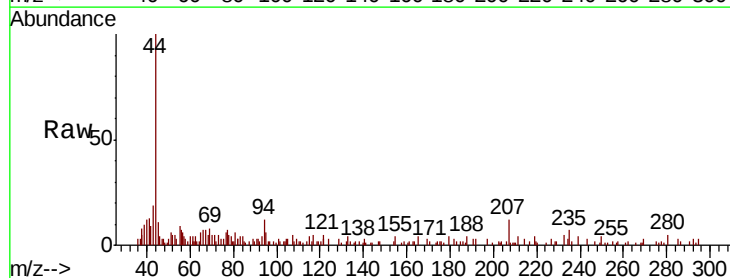
Tot Ion: 59 Resp: 1568
 Ion Ratio Lower Upper
 59 100
 57 40.7 9.2 13.8#

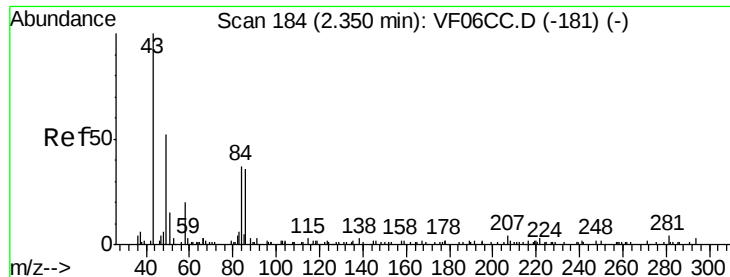


#13

Acrolein
 Concen: 2.950 ug/l
 RT: 2.11 min Scan# 160
 Delta R.T. -0.00 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

Tgt Ion: 56 Resp: 1194
 Ion Ratio Lower Upper
 56 100
 55 67.3 52.9 79.3





#16

Acetone

Concen: 41.519 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

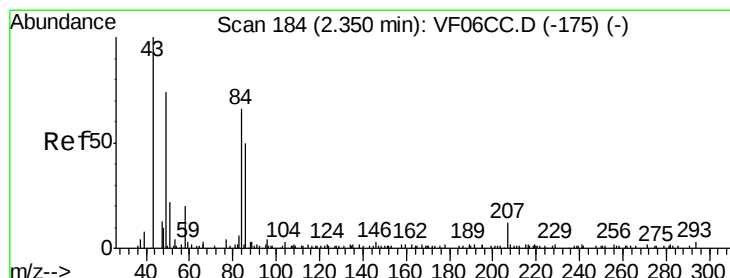
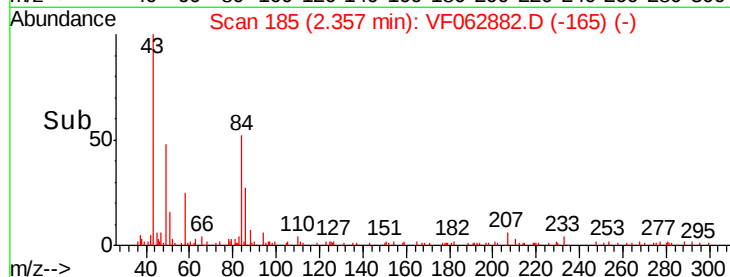
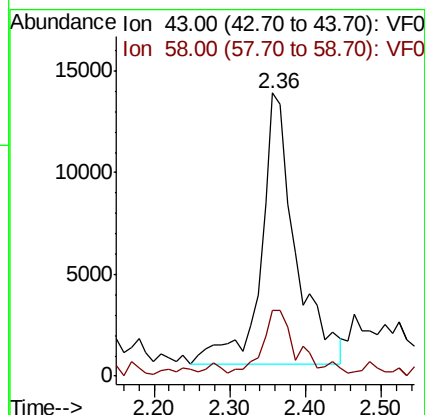
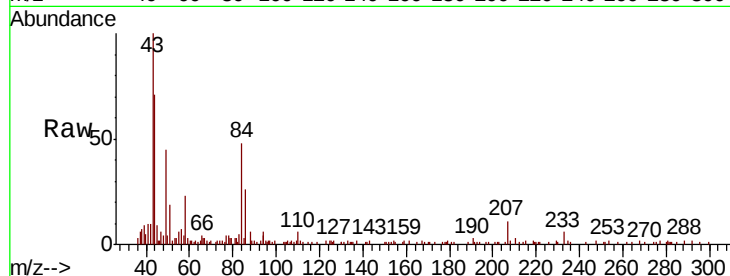
HR-05-060519-C

Tot Ion: 43 Resp: 42483

Ion Ratio Lower Upper

43 100

58 23.4 19.0 28.4



#20

Methylene Chloride

Concen: 1.848 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Tgt Ion: 84 Resp: 24204

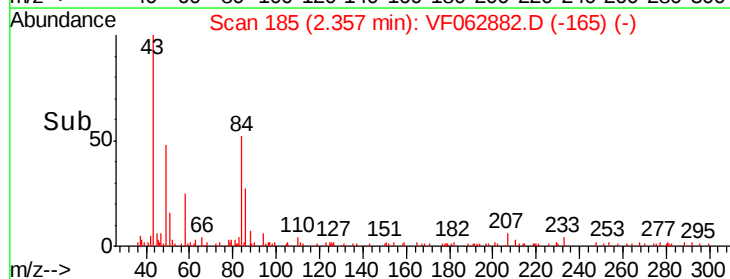
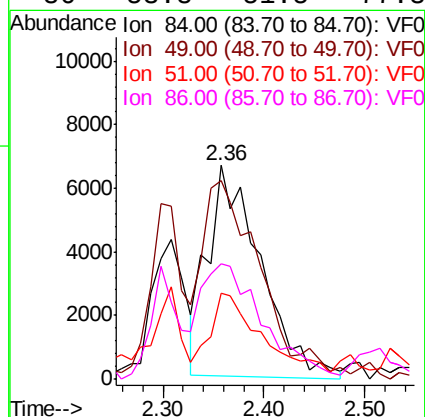
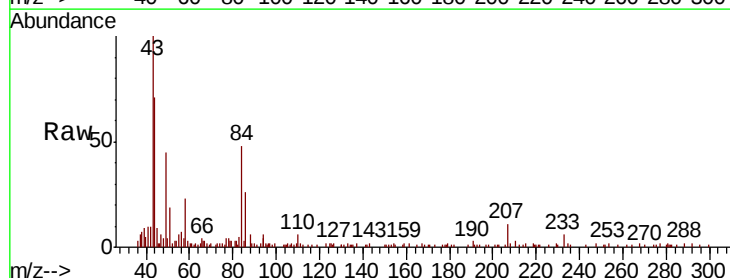
Ion Ratio Lower Upper

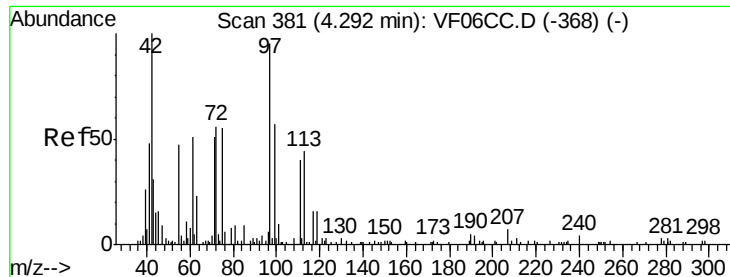
84 100

49 92.7 82.6 123.8

51 40.4 25.0 37.4#

86 53.8 51.5 77.3





#29

Tetrahydrofuran

Concen: 1.267 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-C

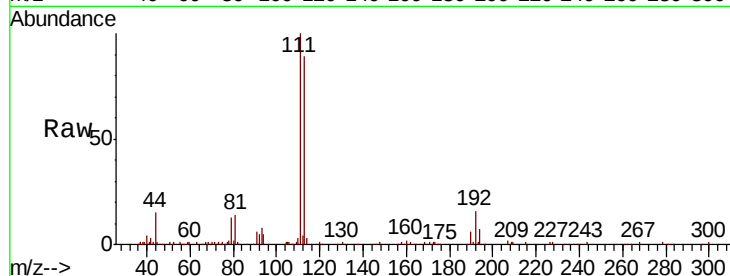
Tot Ion: 42 Resp: 1155

Ion Ratio Lower Upper

42 100

72 64.1 39.0 58.6#

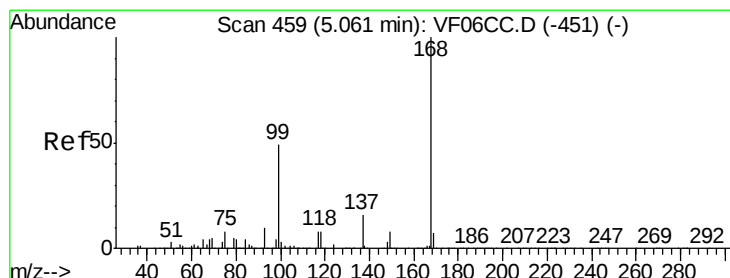
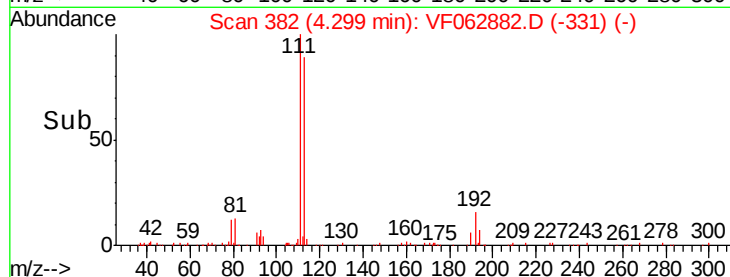
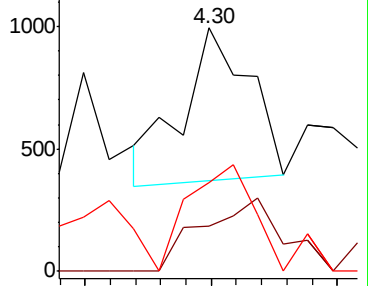
71 75.5 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 43.903 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062882.D

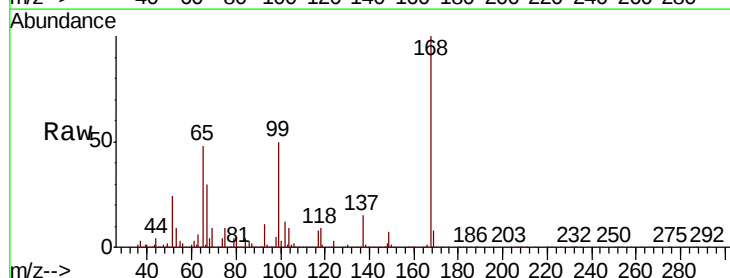
Acq: 6 Jun 2019 14:59

Tgt Ion: 65 Resp: 196274

Ion Ratio Lower Upper

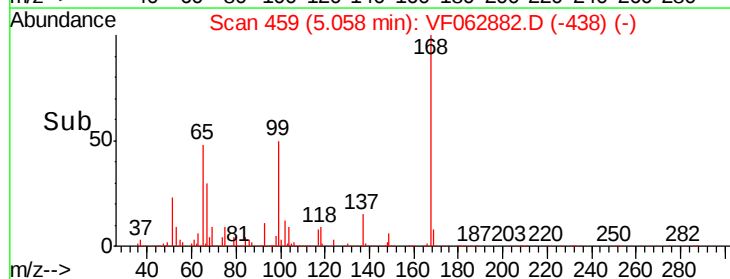
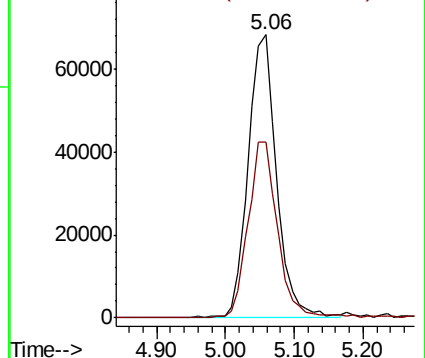
65 100

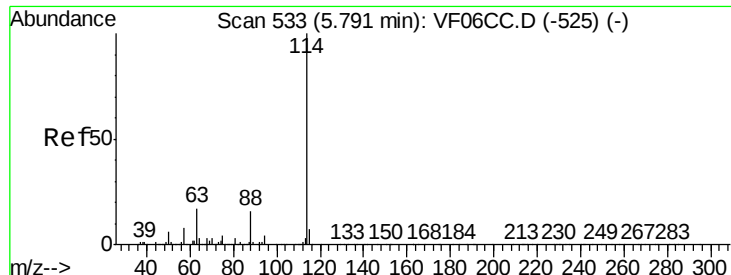
67 62.2 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

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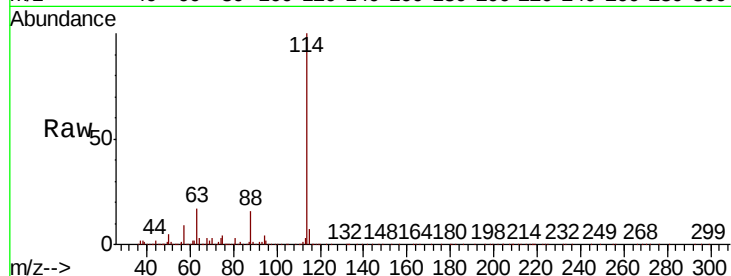
Tot Ion:114 Resp: 1197294

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

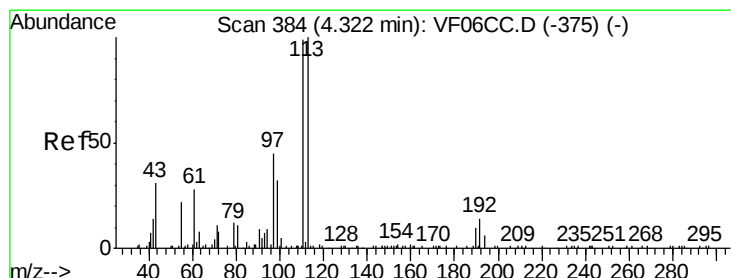
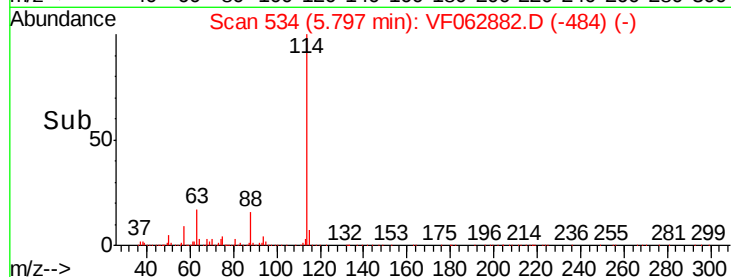
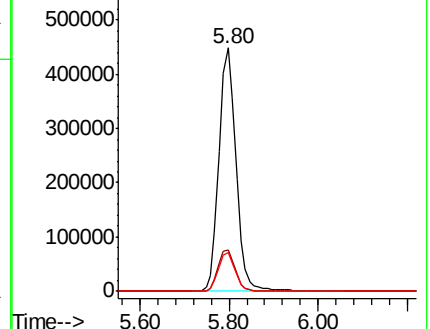
88 15.9 0.0 31.2



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: 39.984 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

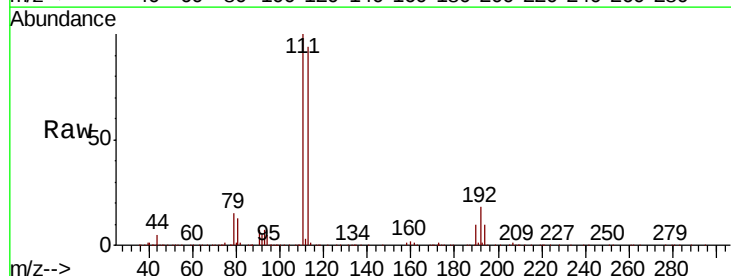
Tgt Ion:113 Resp: 361749

Ion Ratio Lower Upper

113 100

111 105.9 81.9 122.9

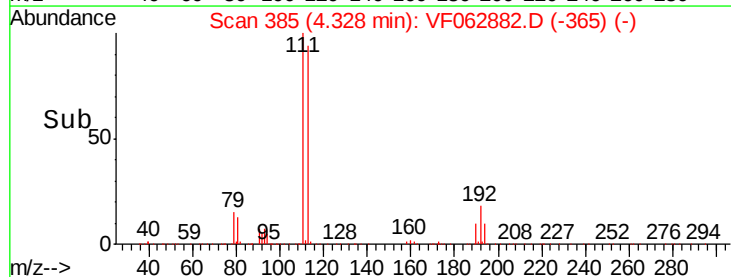
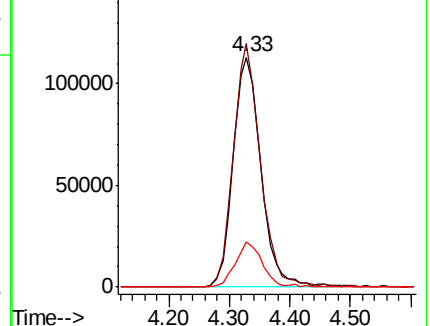
192 19.7 15.1 22.7

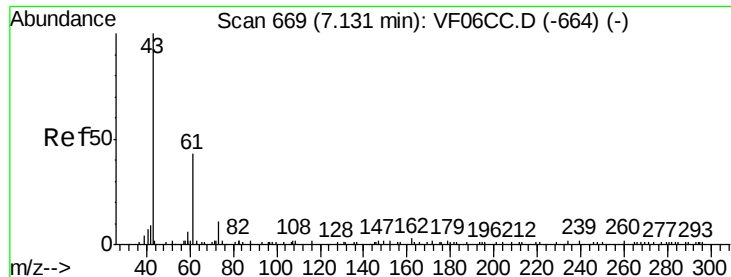


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#43

Isopropyl Acetate

Concen: 1.136 ug/l

RT: 7.22 min Scan# 678

Delta R.T. 0.08 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

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HR-05-060519-C

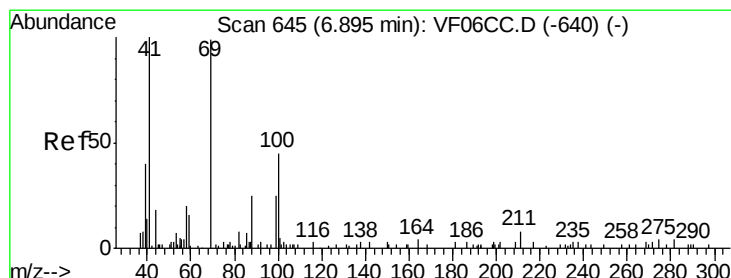
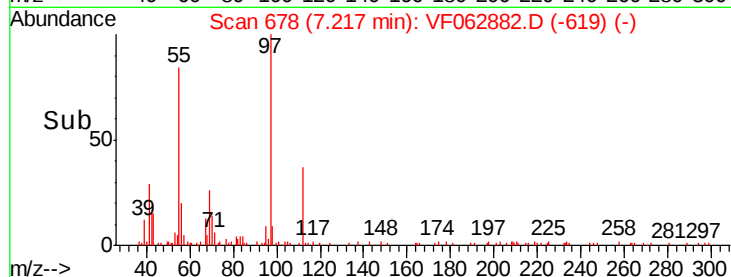
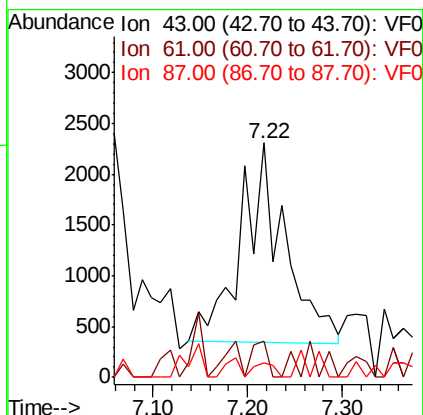
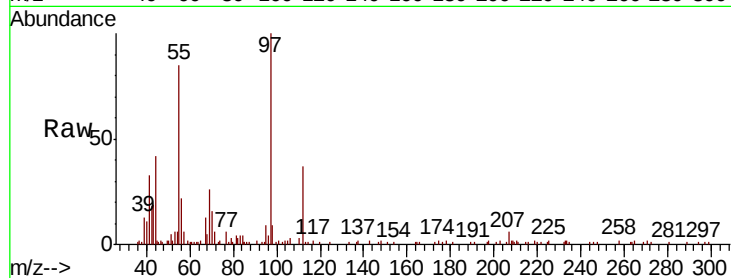
Tot Ion: 43 Resp: 6322

Ion Ratio Lower Upper

43 100

61 15.6 29.8 44.6#

87 6.5 0.3 0.5#



#48

Methyl methacrylate

Concen: 4.795 ug/l

RT: 7.00 min Scan# 656

Delta R.T. 0.10 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

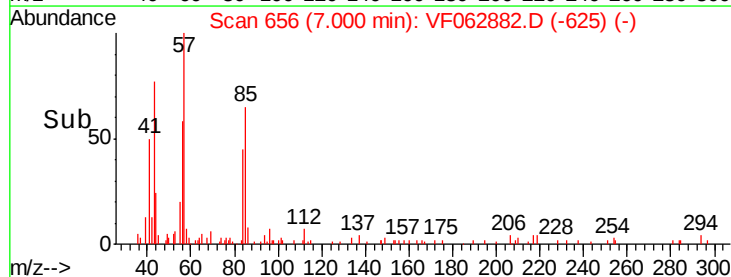
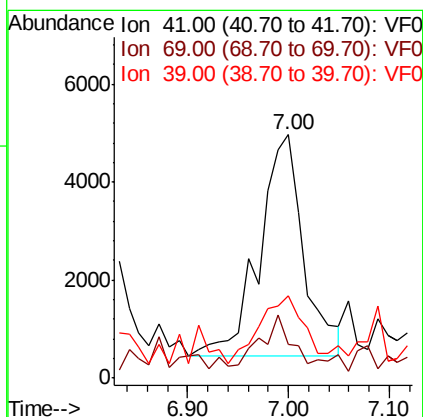
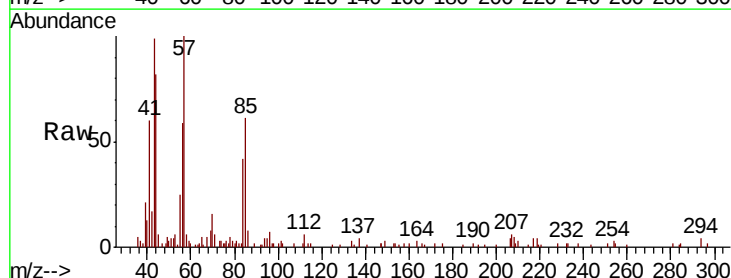
Tgt Ion: 41 Resp: 13754

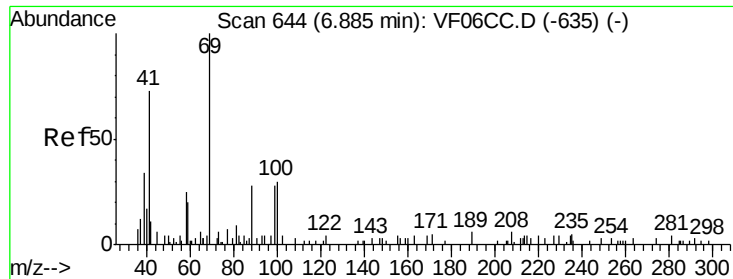
Ion Ratio Lower Upper

41 100

69 14.0 79.4 119.2#

39 34.1 39.8 59.6#

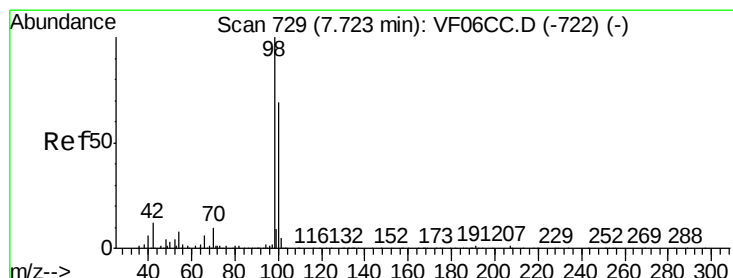
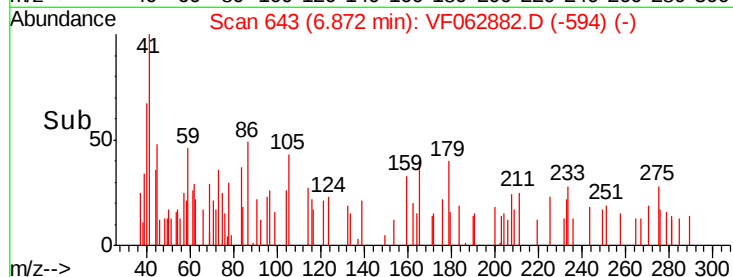
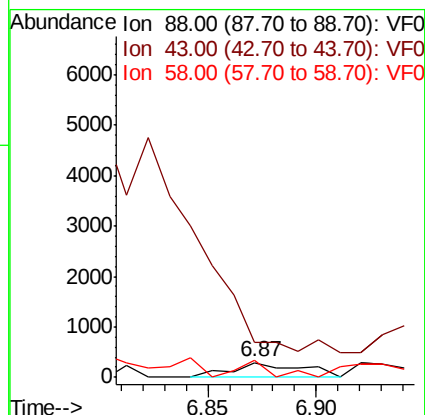
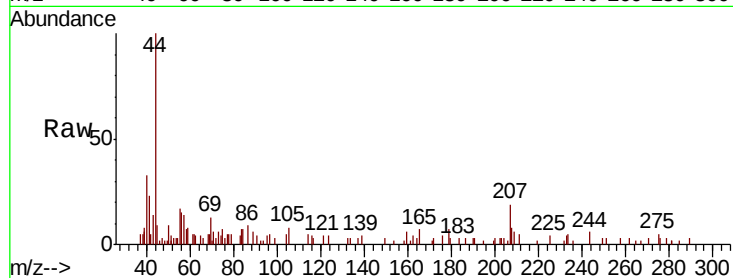




#49
1,4-Dioxane
Concen: 17.218 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

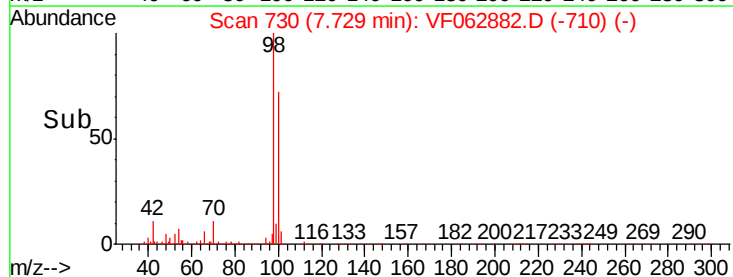
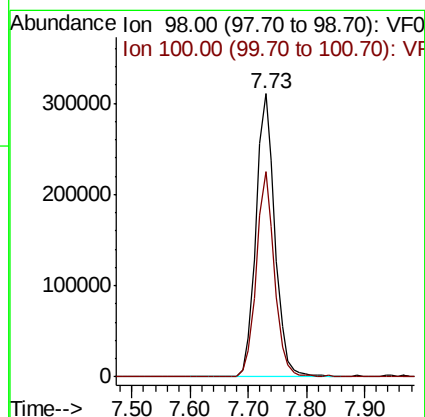
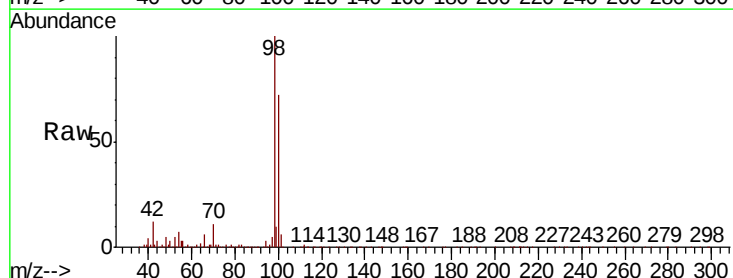
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-C

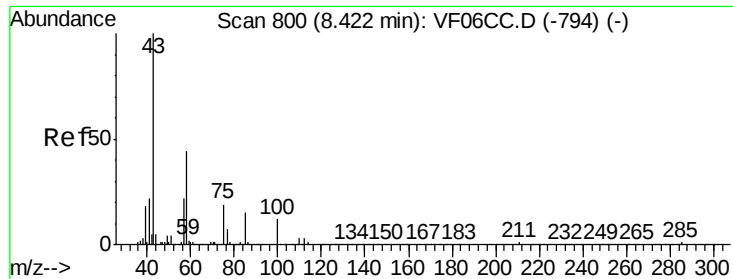
Tot Ion: 88 Resp: 651
Ion Ratio Lower Upper
88 100
43 236.2 34.8 52.2#
58 112.8 59.9 89.9#



#50
Toluene-d8
Concen: 31.273 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Tgt Ion: 98 Resp: 715486
Ion Ratio Lower Upper
98 100
100 72.4 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 24.983 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

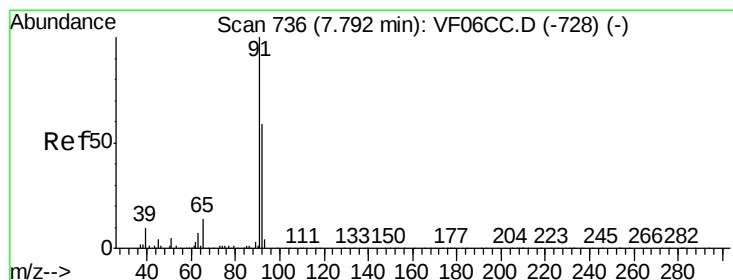
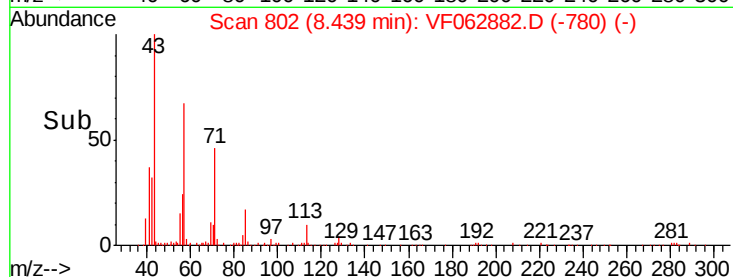
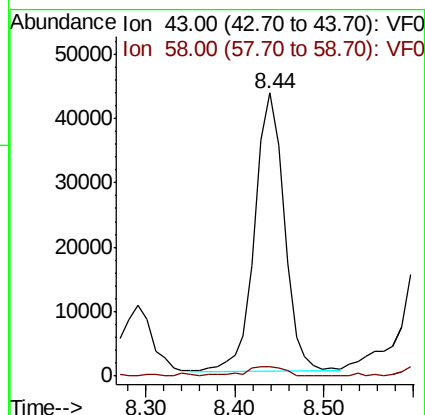
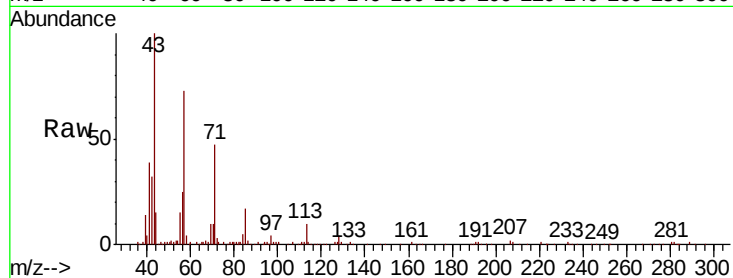
HR-05-060519-C

Tot Ion: 43 Resp: 99276

Ion Ratio Lower Upper

43 100

58 3.5 35.5 53.3#



#52

Toluene

Concen: 7.699 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062882.D

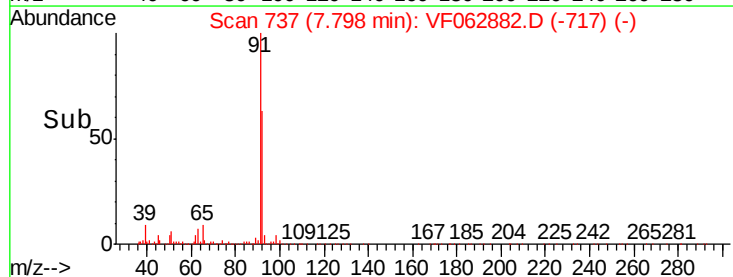
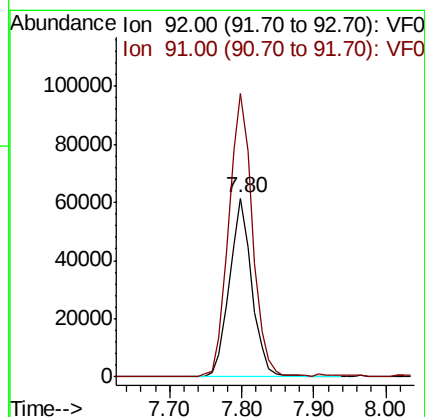
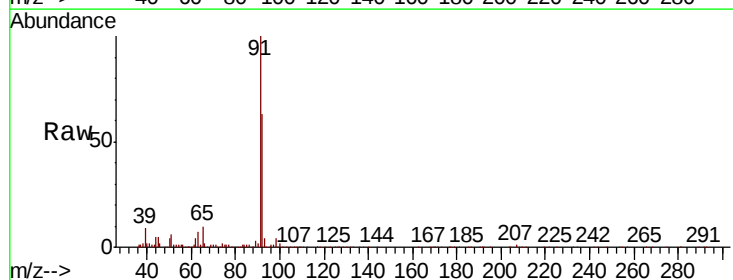
Acq: 6 Jun 2019 14:59

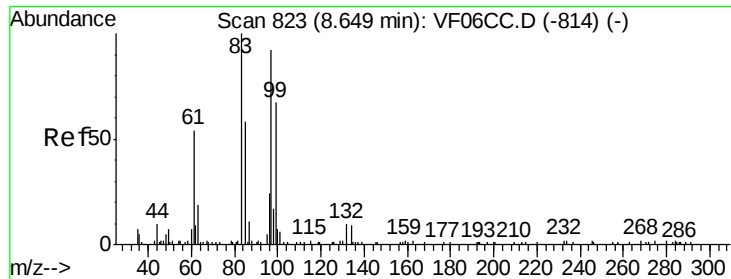
Tgt Ion: 92 Resp: 133030

Ion Ratio Lower Upper

92 100

91 158.2 123.2 184.8





#55

1,1,2-Trichloroethane

Concen: 4.069 ug/l

RT: 8.55 min Scan# 813

Delta R.T. -0.10 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-C

Tot Ion: 97 Resp: 21001

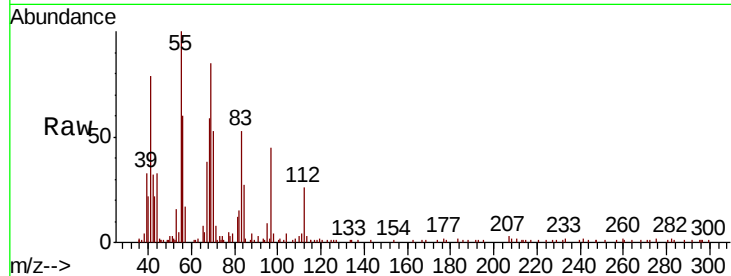
Ion Ratio Lower Upper

97 100

83 115.7 72.0 108.0#

85 3.3 47.5 71.3#

99 0.0 54.1 81.1#

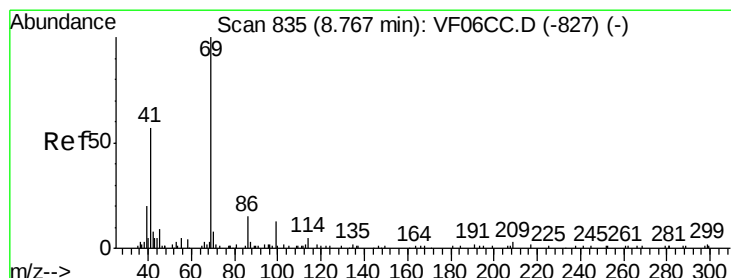
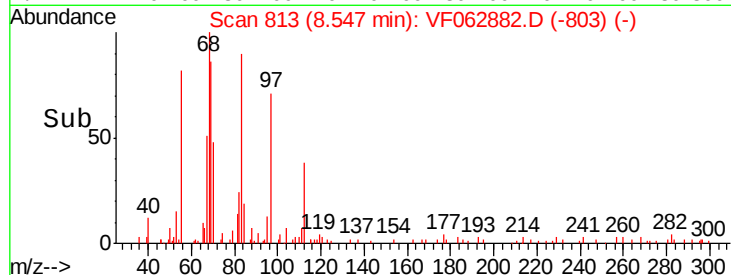
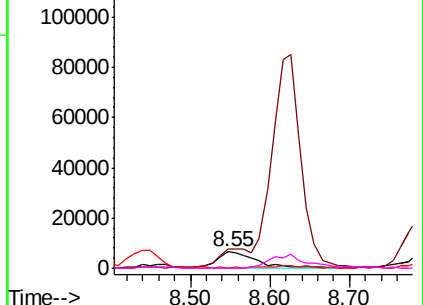


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 29.972 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.00 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

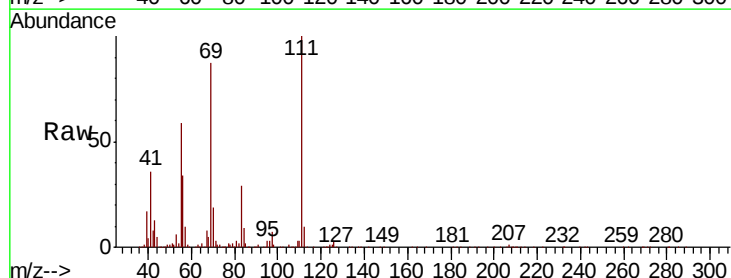
Tgt Ion: 69 Resp: 165995

Ion Ratio Lower Upper

69 100

41 41.7 46.6 69.8#

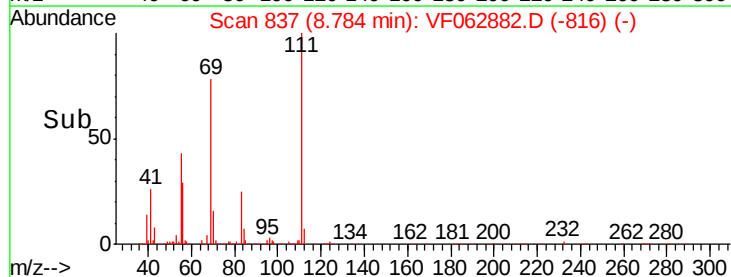
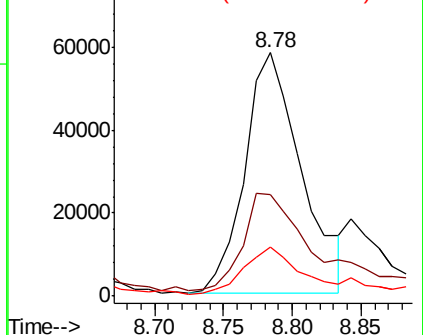
39 19.9 19.6 29.4

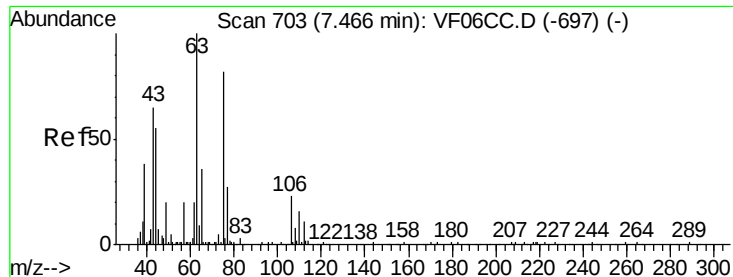


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

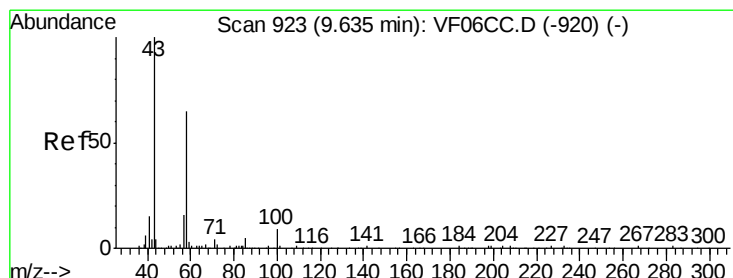
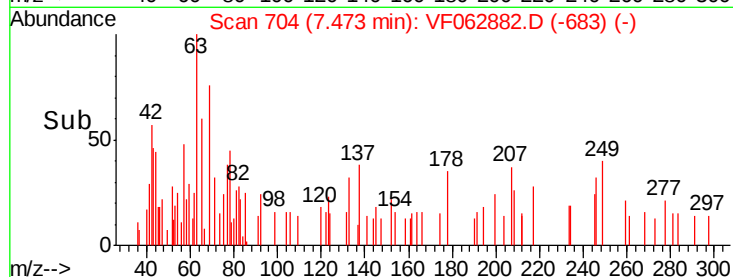
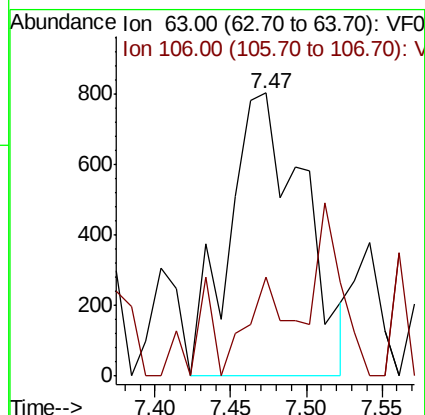
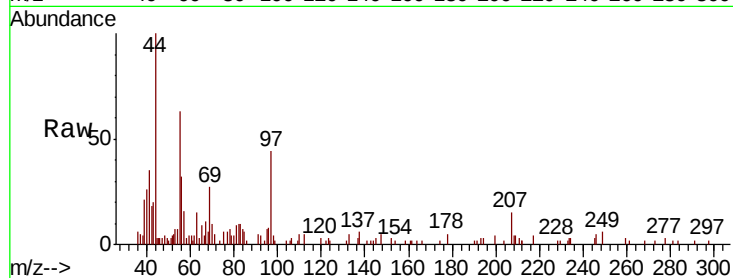




#58
2-Chloroethyl Vinyl ether
Concen: 1.428 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

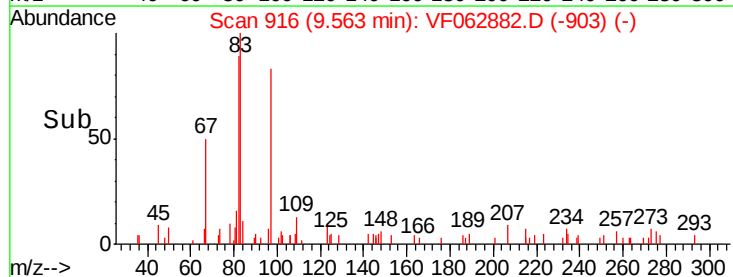
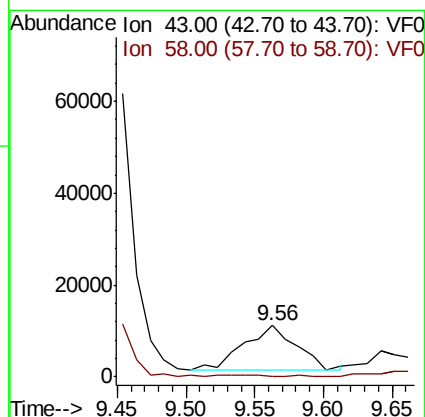
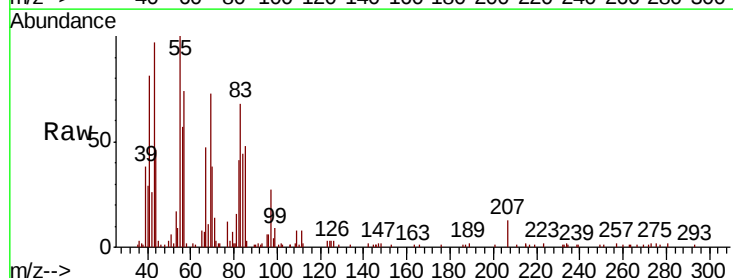
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-C

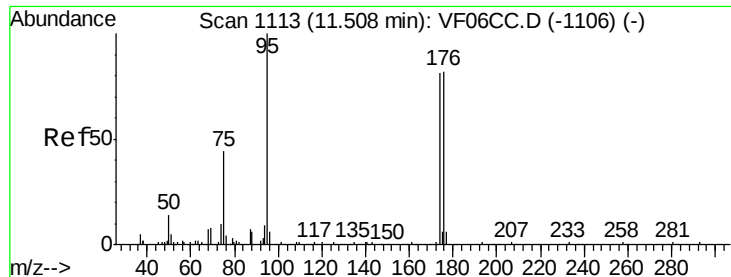
Tot Ion: 63 Resp: 2765
Ion Ratio Lower Upper
63 100
106 35.2 19.5 29.3#



#59
2-Hexanone
Concen: 9.130 ug/l
RT: 9.56 min Scan# 916
Delta R.T. -0.07 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Tgt Ion: 43 Resp: 25860
Ion Ratio Lower Upper
43 100
58 2.2 29.3 87.9#





#62

4-Bromofluorobenzene

Concen: 48.637 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-C

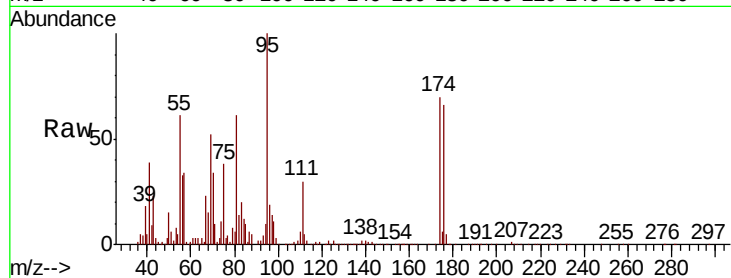
Tot Ion: 95 Resp: 400268

Ion Ratio Lower Upper

95 100

174 70.2 0.0 170.6

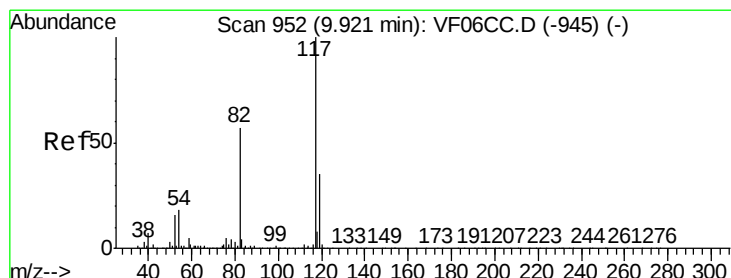
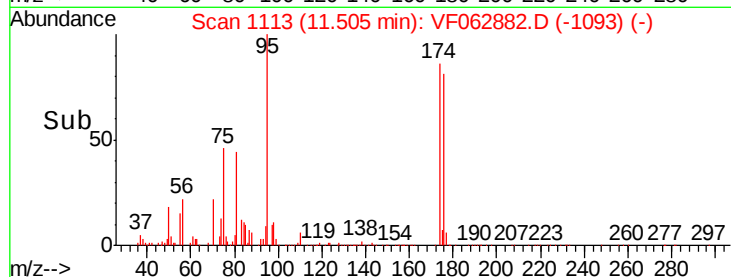
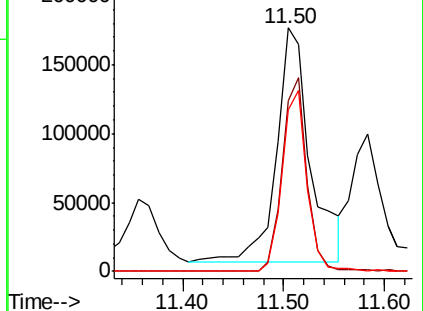
176 66.4 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

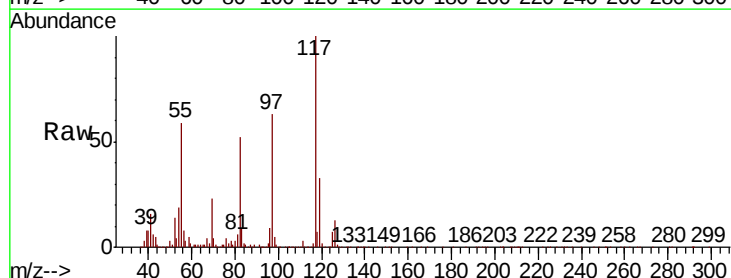
Tgt Ion: 117 Resp: 844906

Ion Ratio Lower Upper

117 100

82 52.3 42.4 63.6

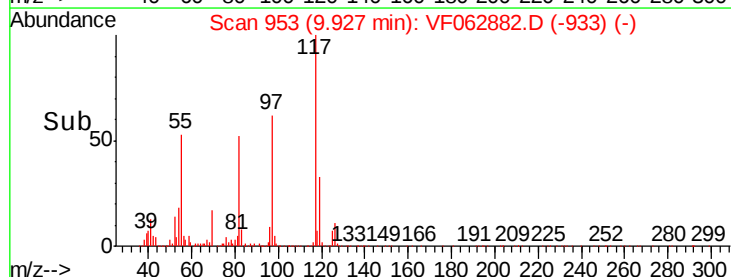
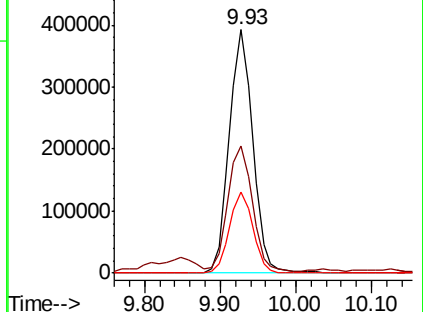
119 33.2 27.1 40.7

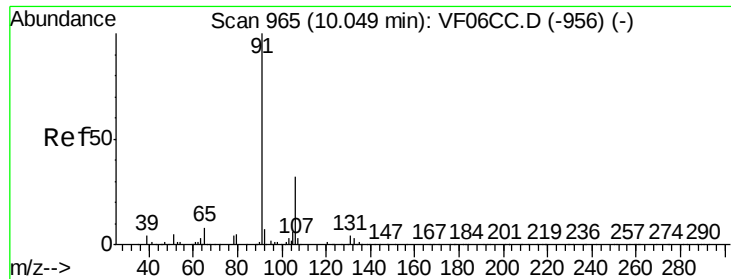


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 3.063 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

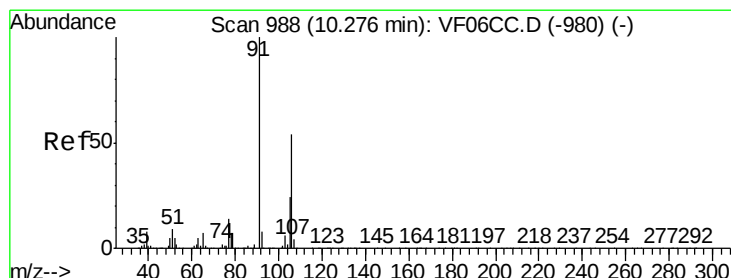
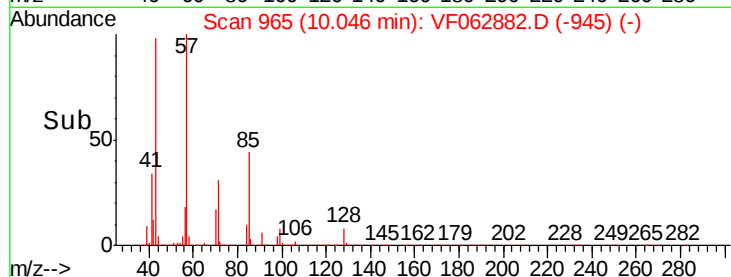
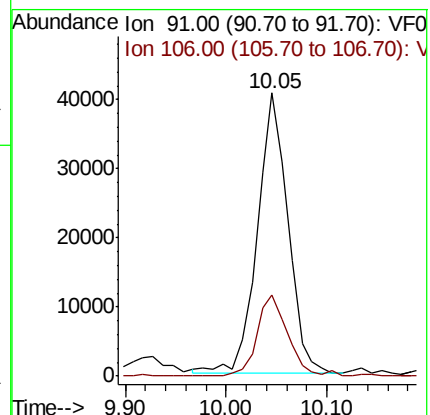
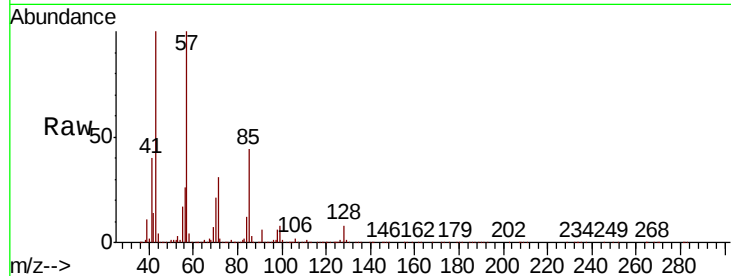
HR-05-060519-C

Tot Ion: 91 Resp: 85761

Ion Ratio Lower Upper

91 100

106 28.5 26.0 39.0



#68

m/p-Xylenes

Concen: 11.643 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062882.D

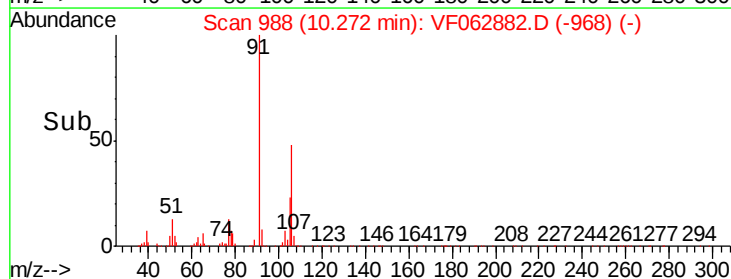
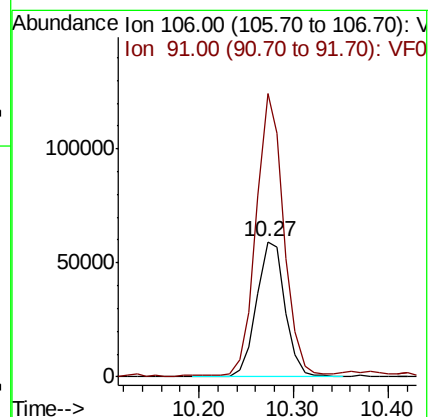
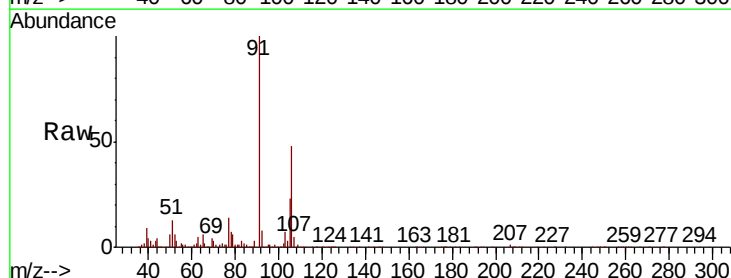
Acq: 6 Jun 2019 14:59

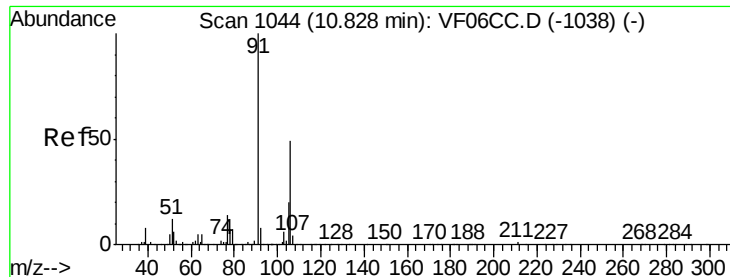
Tgt Ion: 106 Resp: 124751

Ion Ratio Lower Upper

106 100

91 209.6 136.2 204.4#

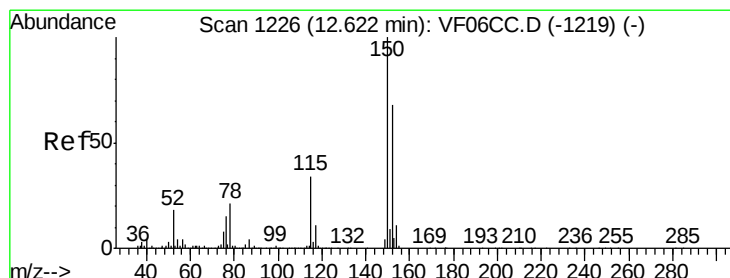
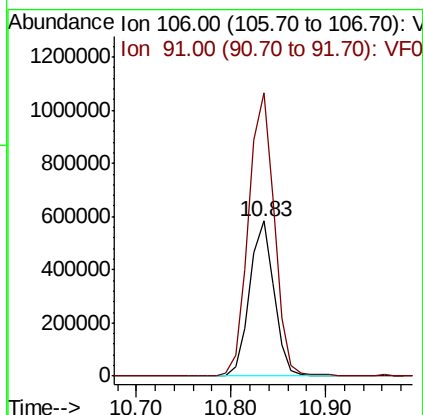
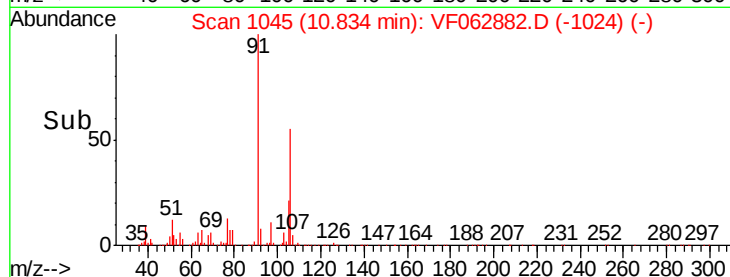
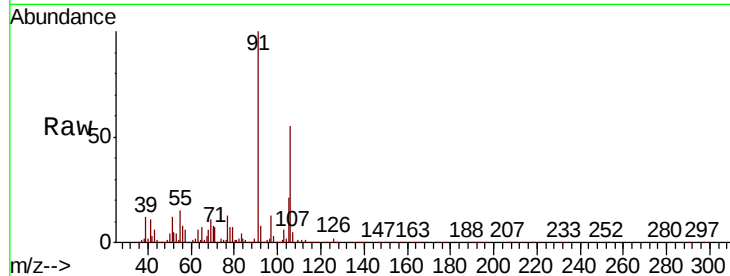




#69
o-Xylene
Concen: 96.047 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

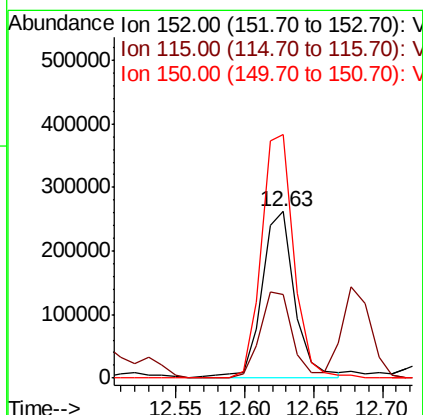
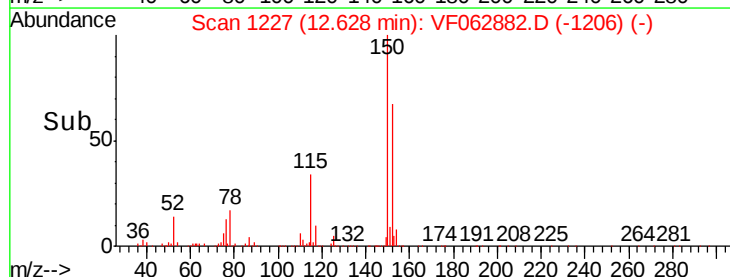
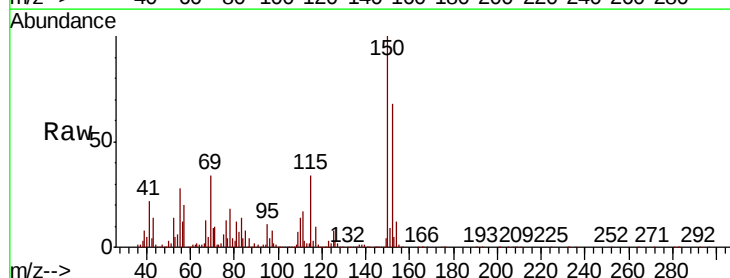
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-C

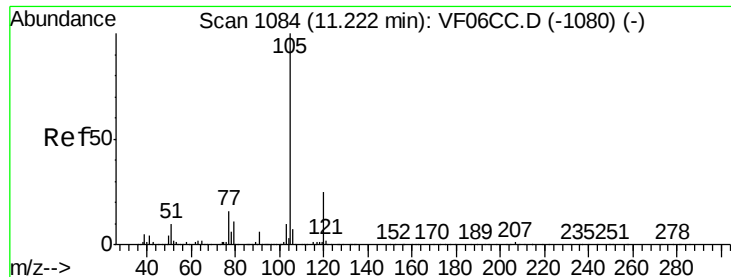
Tot Ion:106 Resp: 1041927
Ion Ratio Lower Upper
106 100
91 182.8 96.6 289.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Tgt Ion:152 Resp: 426738
Ion Ratio Lower Upper
152 100
115 50.0 24.6 74.0
150 146.3 0.0 290.6





#73

Isopropylbenzene

Concen: 1.142 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

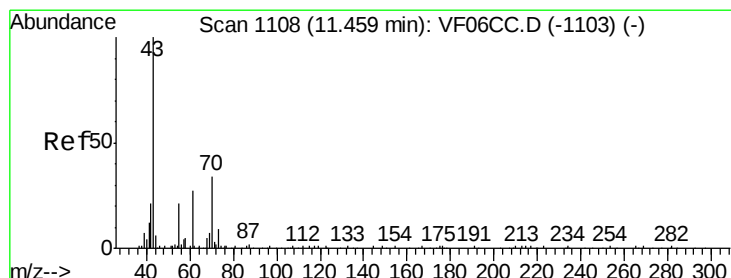
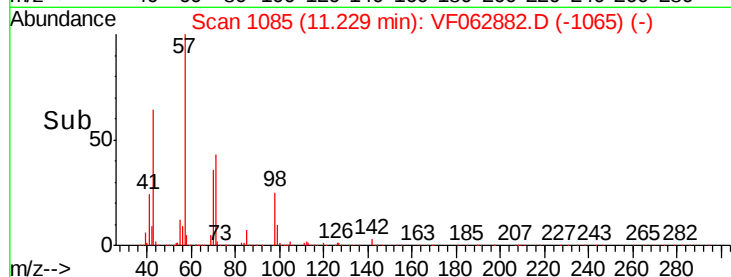
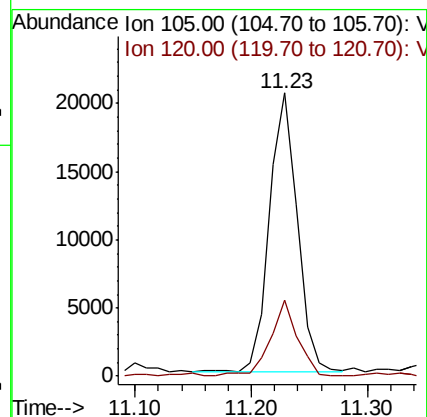
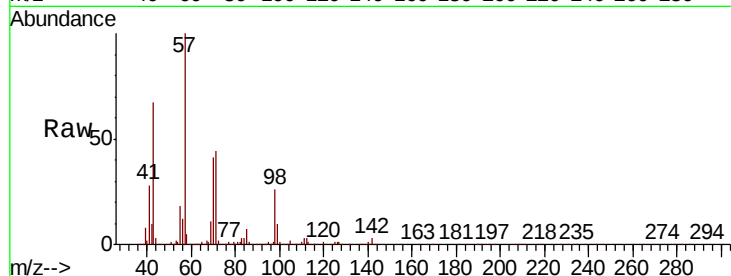
HR-05-060519-C

Tot Ion:105 Resp: 34018

Ion Ratio Lower Upper

105 100

120 27.0 15.1 45.3



#74

N-ethyl acetate

Concen: 26.670 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.02 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Tgt Ion: 43 Resp: 223818

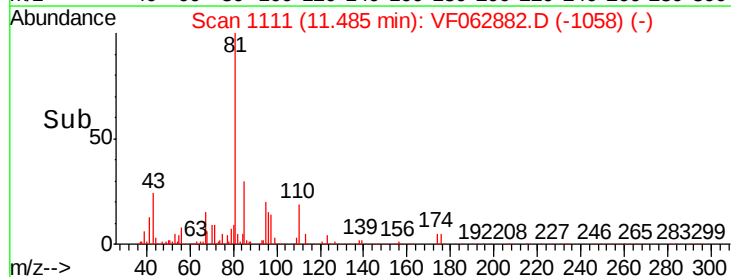
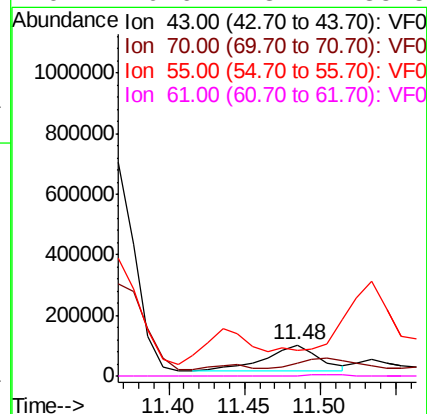
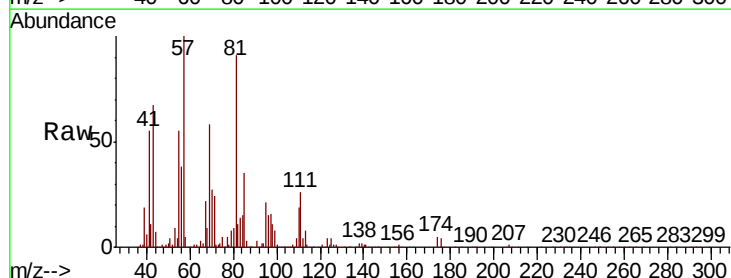
Ion Ratio Lower Upper

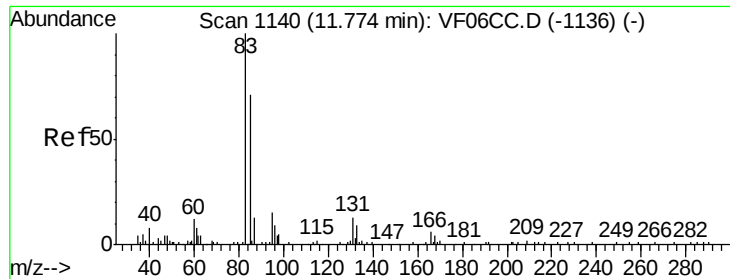
43 100

70 40.7 32.9 49.3

55 81.5 17.3 25.9#

61 0.6 23.7 35.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 40.511 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-C

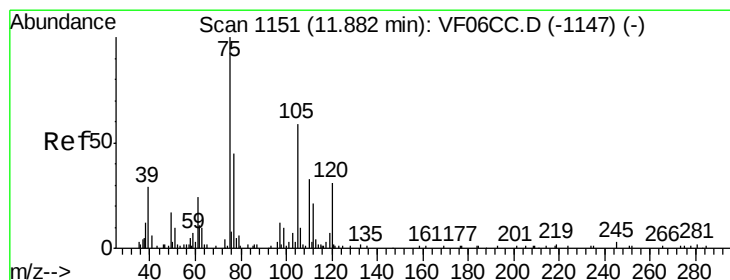
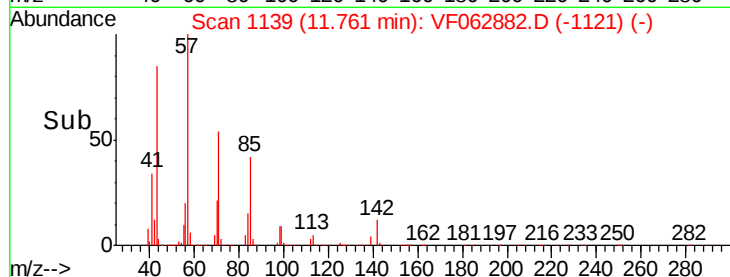
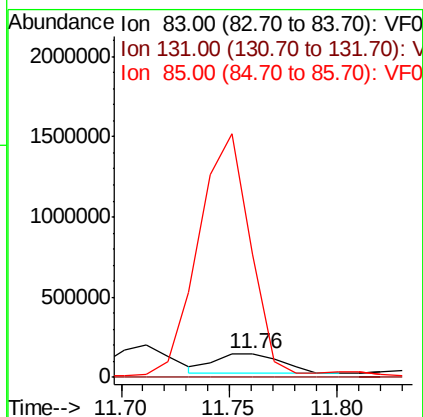
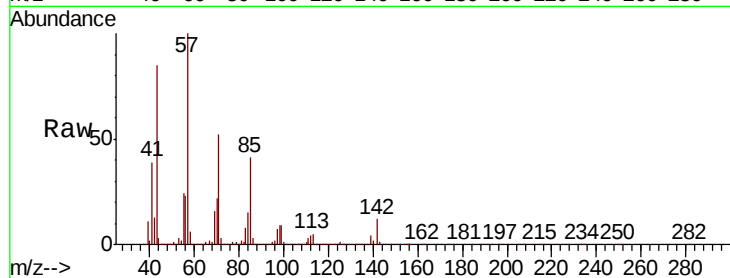
Tot Ion: 83 Resp: 257598

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 520.5 32.1 96.5#



#76

1,2,3-Trichloropropane

Concen: 7.097 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062882.D

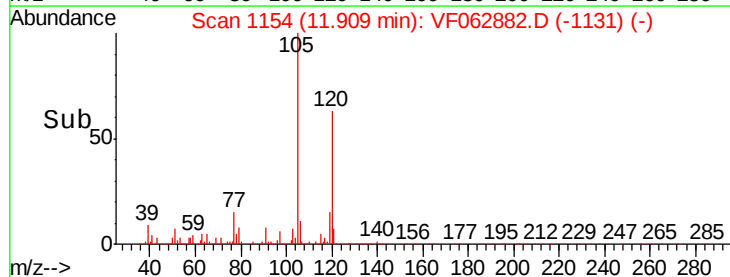
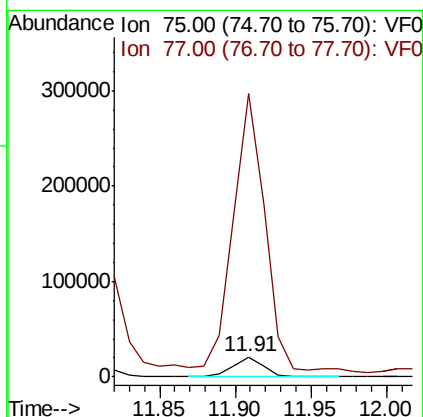
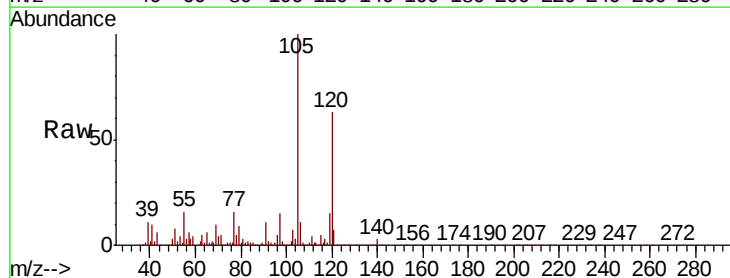
Acq: 6 Jun 2019 14:59

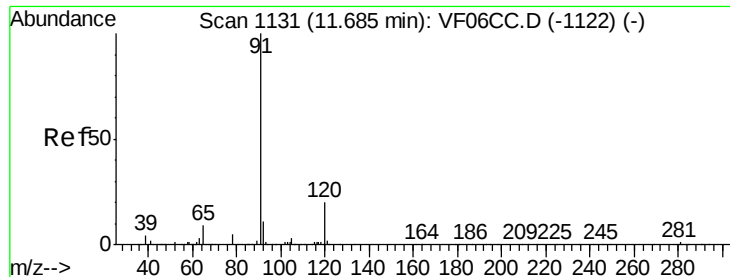
Tgt Ion: 75 Resp: 29914

Ion Ratio Lower Upper

75 100

77 1402.2 20.1 60.2#





#78

n-propylbenzene

Concen: 2.961 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

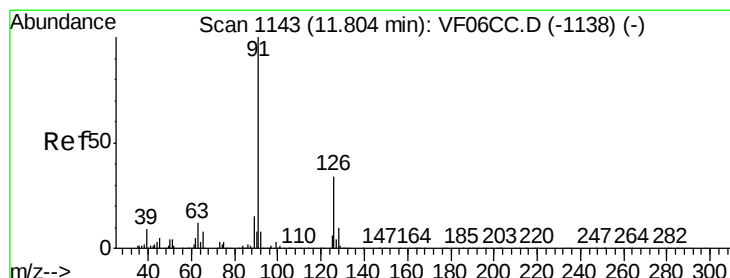
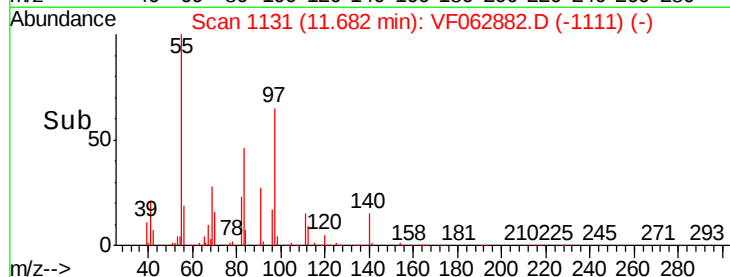
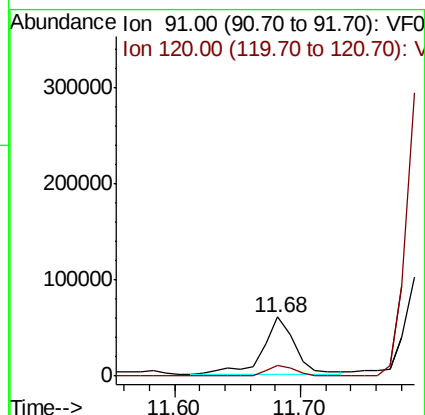
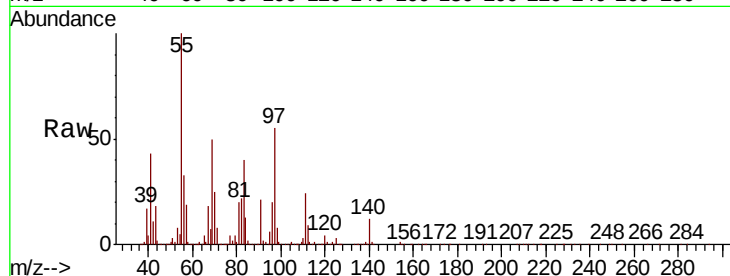
HR-05-060519-C

Tot Ion: 91 Resp: 106452

Ion Ratio Lower Upper

91 100

120 17.4 12.8 38.4



#79

2-Chlorotoluene

Concen: 17.607 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062882.D

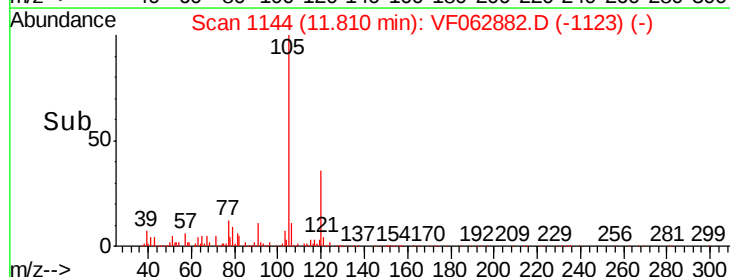
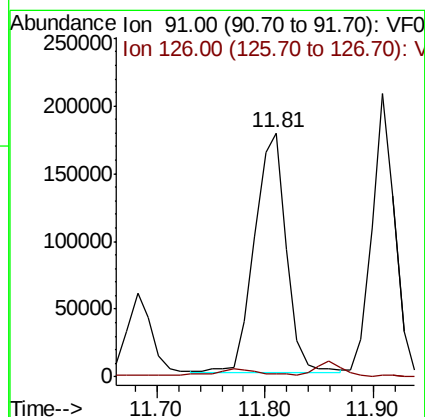
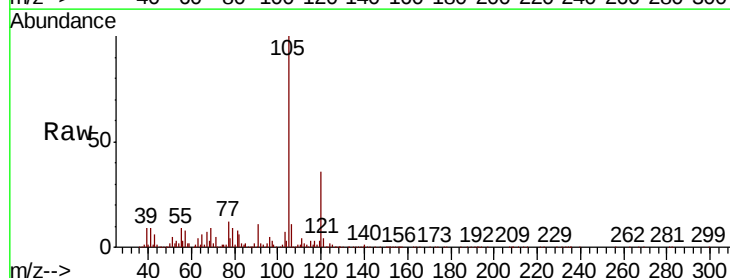
Acq: 6 Jun 2019 14:59

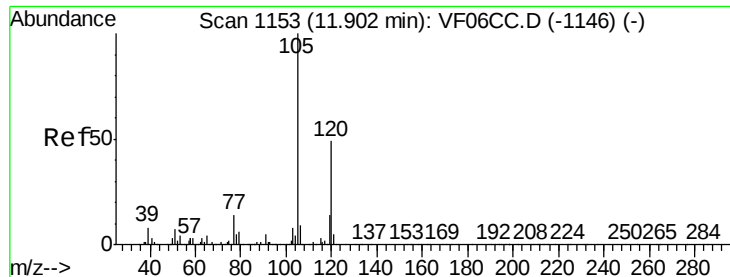
Tgt Ion: 91 Resp: 362203

Ion Ratio Lower Upper

91 100

126 1.0 17.8 53.3#

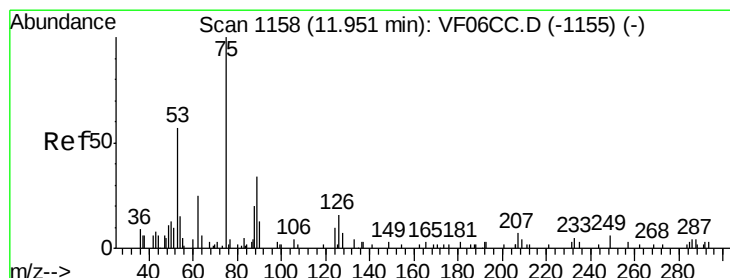
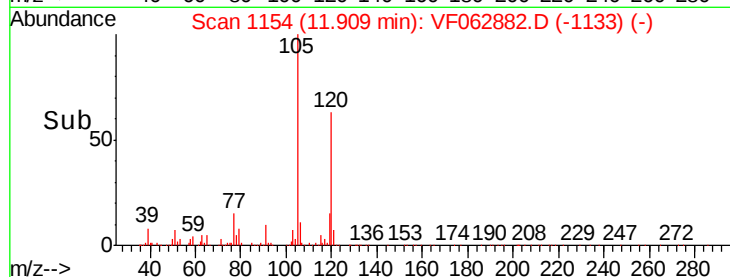
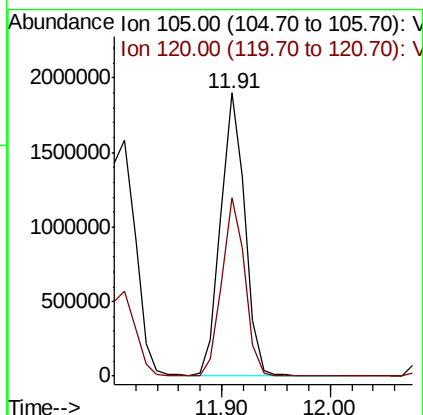
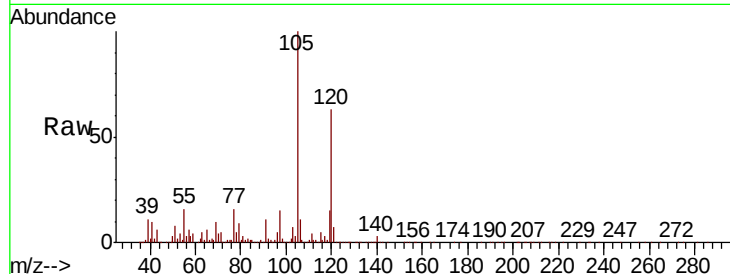




#80
 1,3,5-Trimethylbenzene
 Concen: 121.234 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

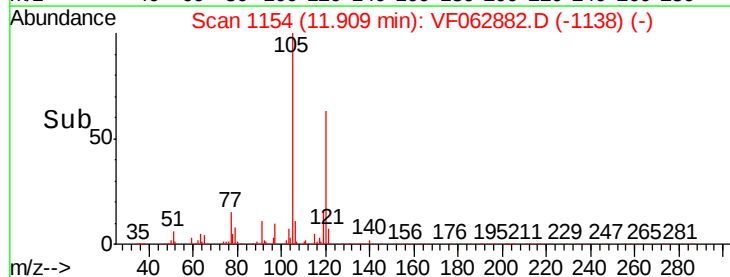
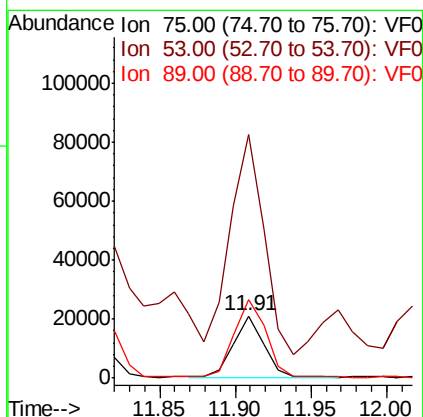
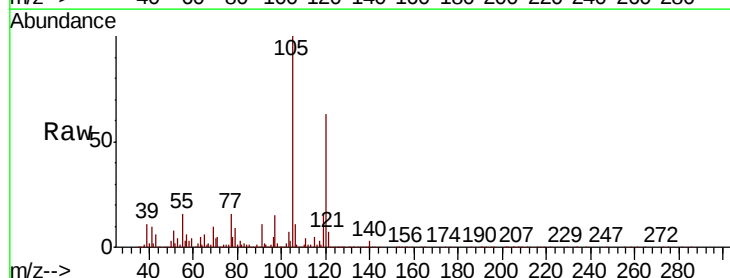
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-060519-C

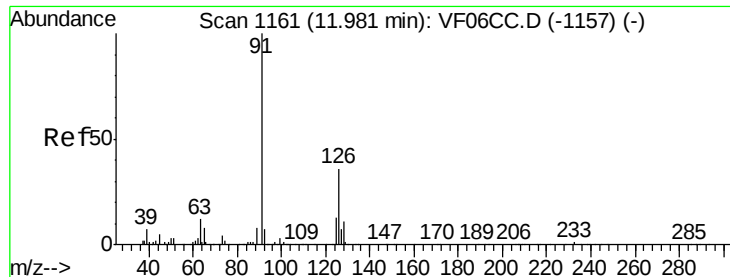
Tot Ion:105 Resp: 2952126
 Ion Ratio Lower Upper
 105 100
 120 63.2 28.7 86.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 16.006 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.04 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

Tgt Ion: 75 Resp: 28563
 Ion Ratio Lower Upper
 75 100
 53 390.3 43.5 65.3#
 89 125.6 34.3 51.5#





#82

4-Chlorotoluene

Concen: 14.533 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.07 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

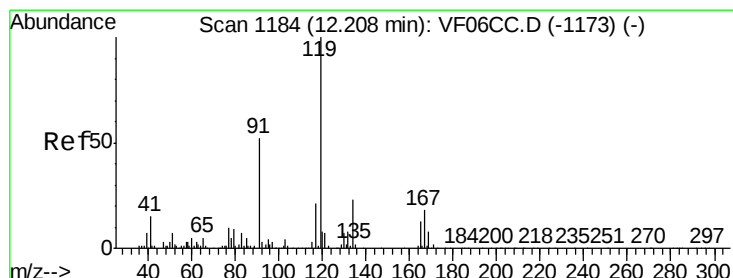
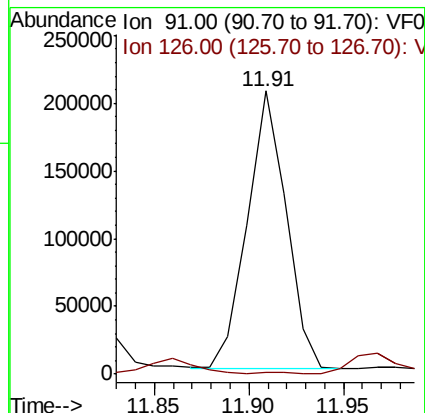
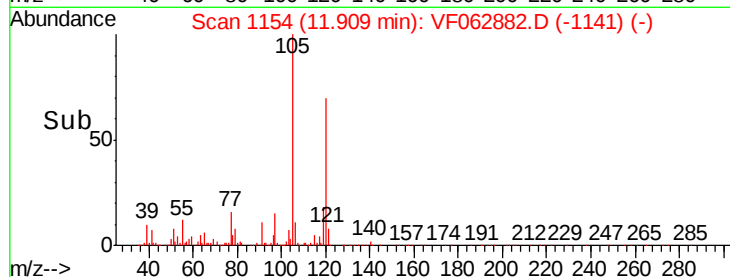
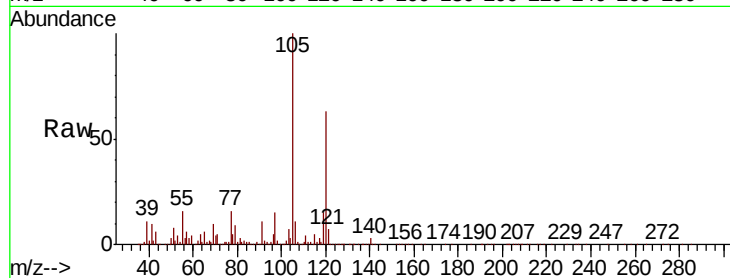
HR-05-060519-C

Tot Ion: 91 Resp: 293817

Ion Ratio Lower Upper

91 100

126 0.6 19.1 57.1#



#83

tert-Butylbenzene

Concen: 1.327 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

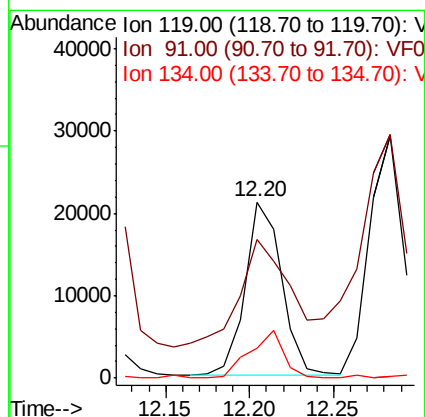
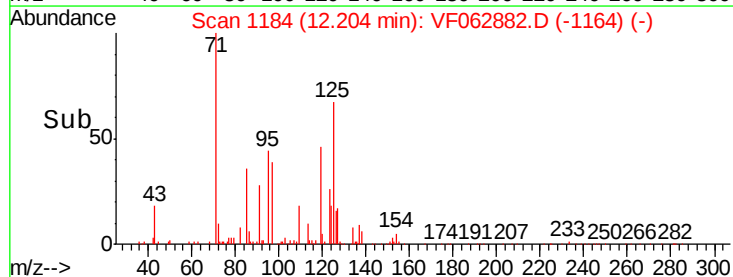
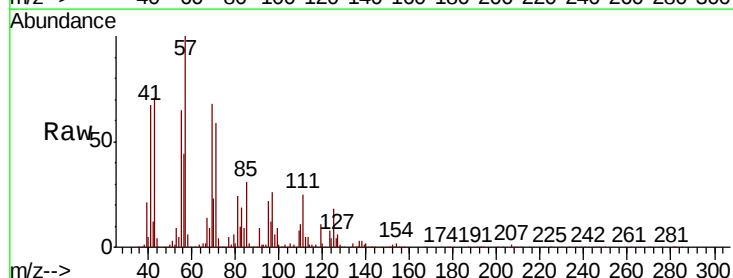
Tgt Ion: 119 Resp: 32026

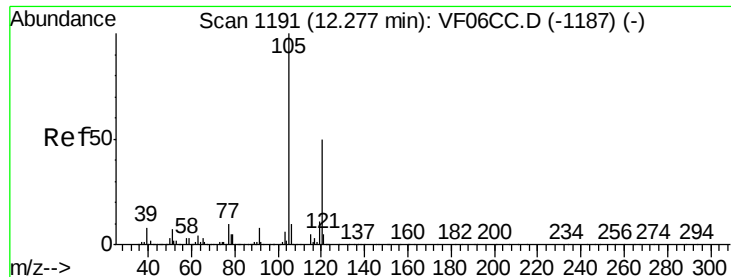
Ion Ratio Lower Upper

119 100

91 78.3 28.9 86.7

134 17.2 14.3 42.9

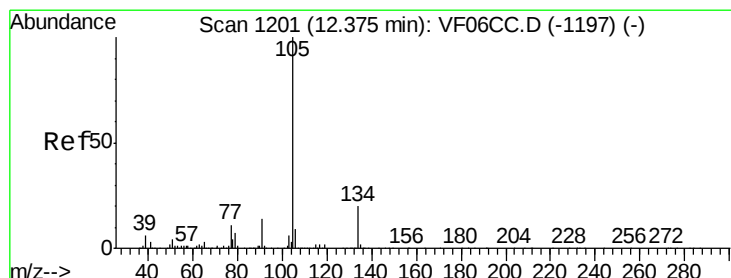
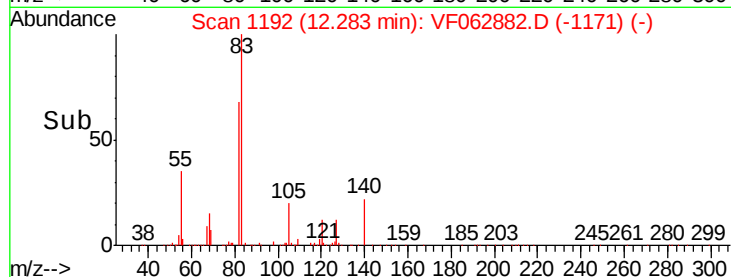
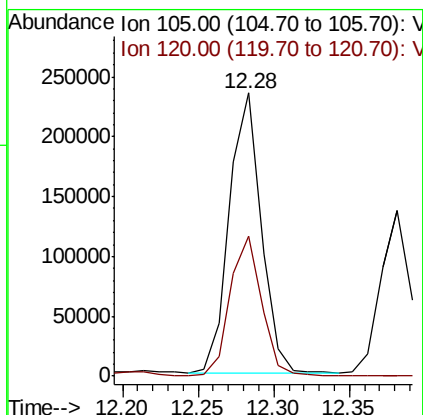
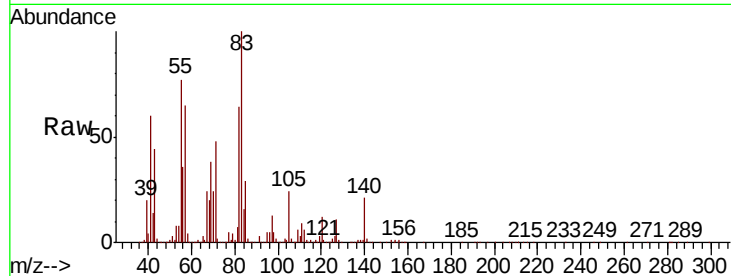




#84
 1,2,4-Trimethylbenzene
 Concen: 14.836 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

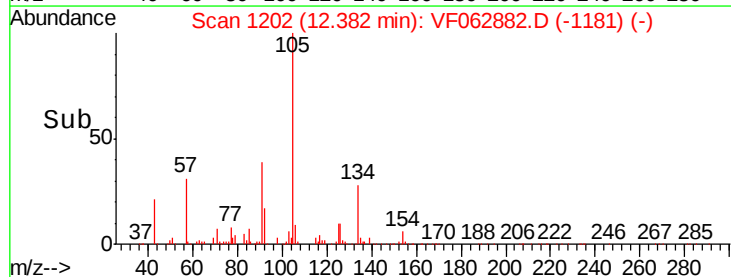
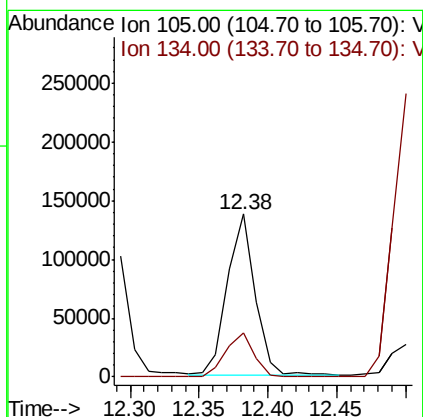
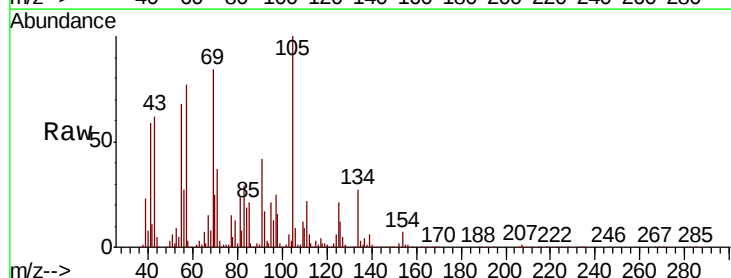
Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-060519-C

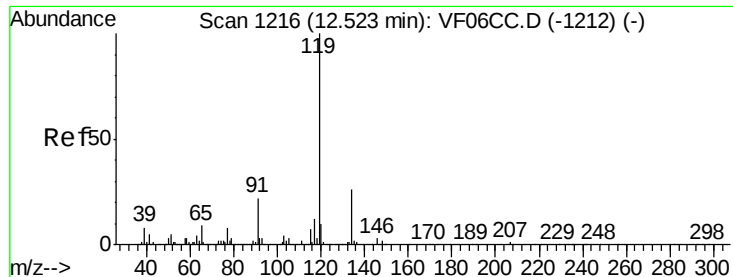
Tot Ion:105 Resp: 342522
 Ion Ratio Lower Upper
 105 100
 120 49.6 27.1 81.3



#85
 sec-Butylbenzene
 Concen: 5.966 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062882.D
 Acq: 6 Jun 2019 14:59

Tgt Ion:105 Resp: 189691
 Ion Ratio Lower Upper
 105 100
 134 26.8 10.5 31.6

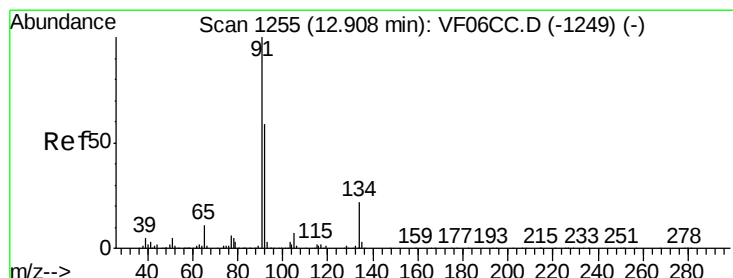
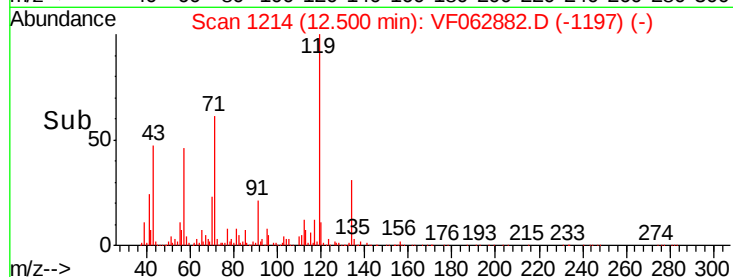
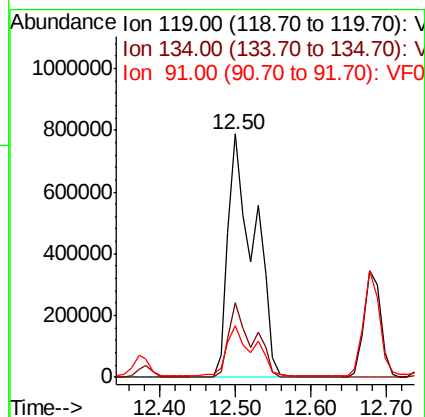
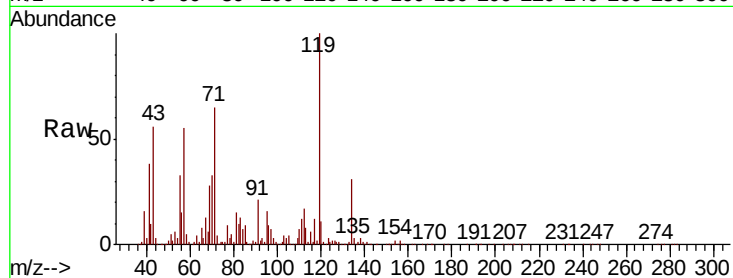




#86
p-Isopropyltoluene
Concen: 71.591 ug/l
RT: 12.50 min Scan# 1214
Delta R.T. -0.03 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

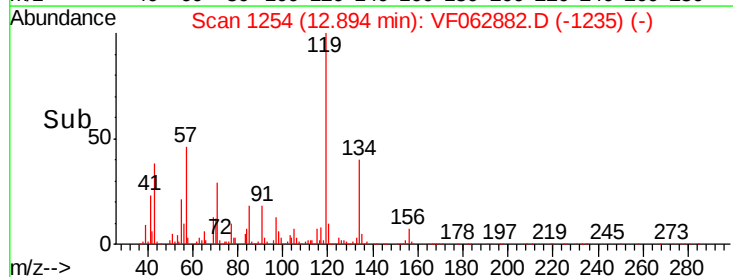
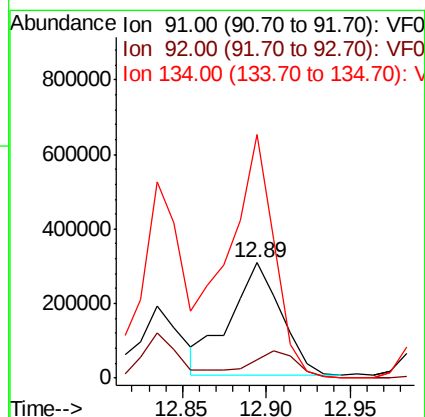
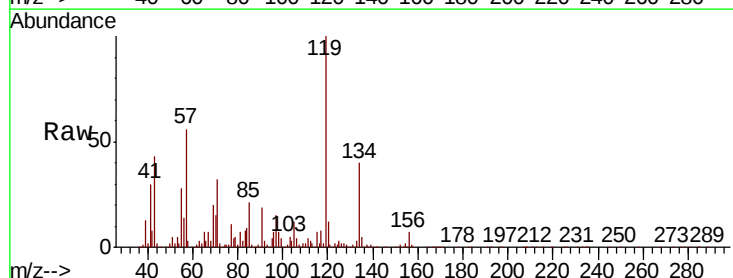
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-C

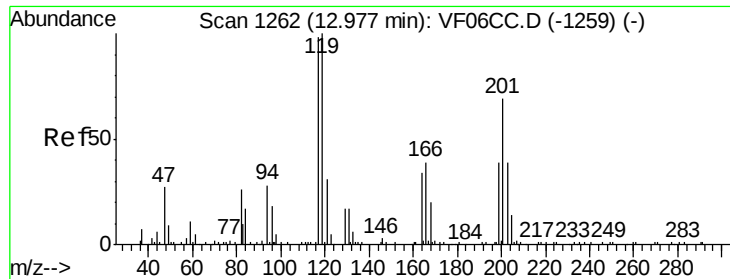
Tot Ion:119 Resp: 1894575
Ion Ratio Lower Upper
119 100
134 30.6 15.5 46.5
91 21.5 10.3 30.9



#89
n-Butylbenzene
Concen: 24.182 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Tgt Ion: 91 Resp: 643751
Ion Ratio Lower Upper
91 100
92 15.4 34.2 102.6#
134 211.3 15.8 47.3#





#90

Hexachloroethane

Concen: 11.160 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

Instrument :

MSVOA_F

ClientSampleId :

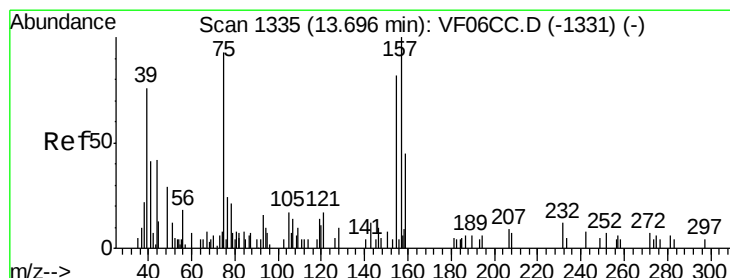
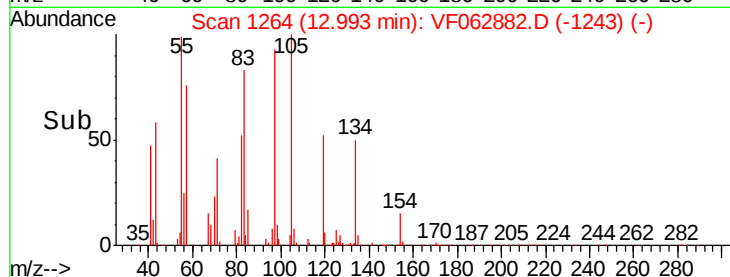
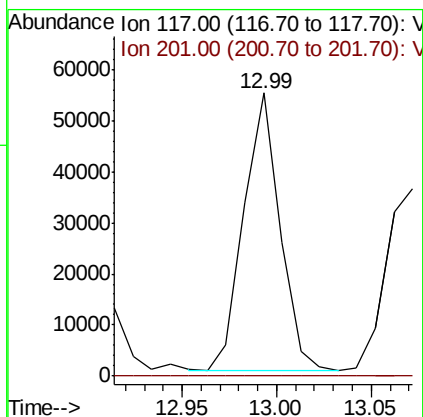
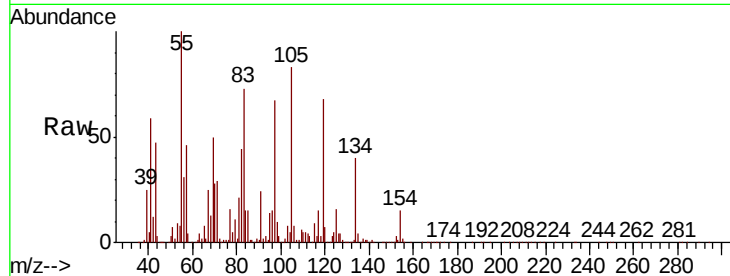
HR-05-060519-C

Tot Ion:117 Resp: 72031

Ion Ratio Lower Upper

117 100

201 0.2 38.9 116.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.210 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062882.D

Acq: 6 Jun 2019 14:59

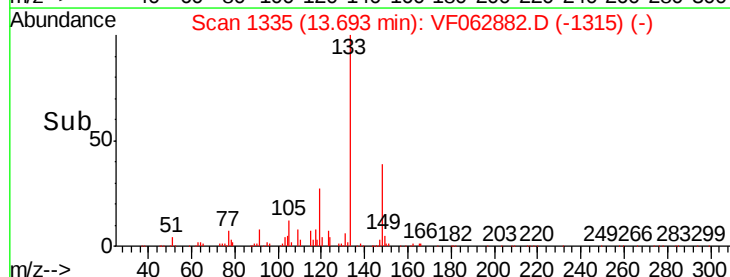
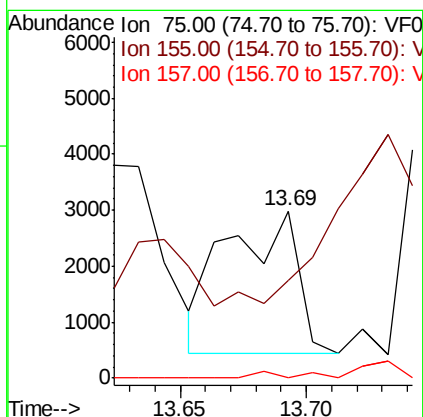
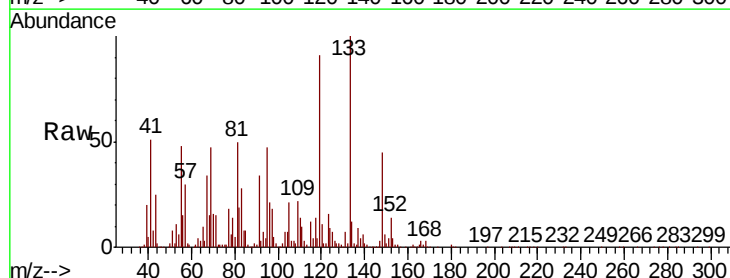
Tgt Ion: 75 Resp: 4995

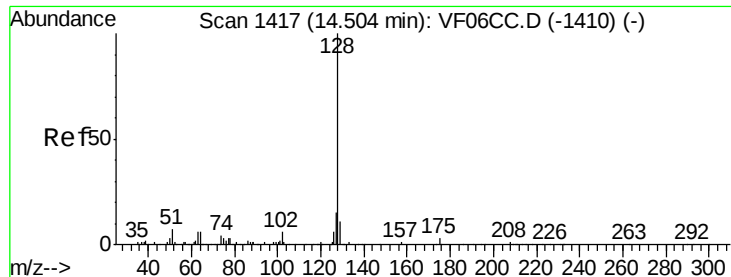
Ion Ratio Lower Upper

75 100

155 58.7 51.7 155.1

157 0.0 66.8 200.6#

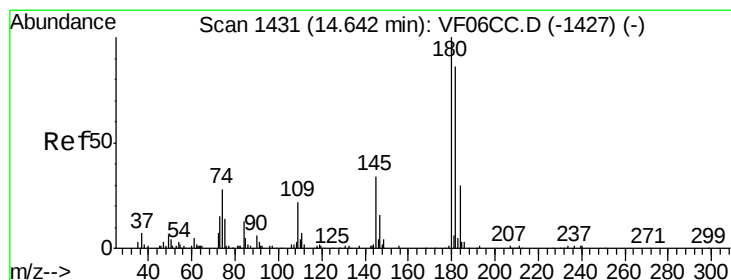
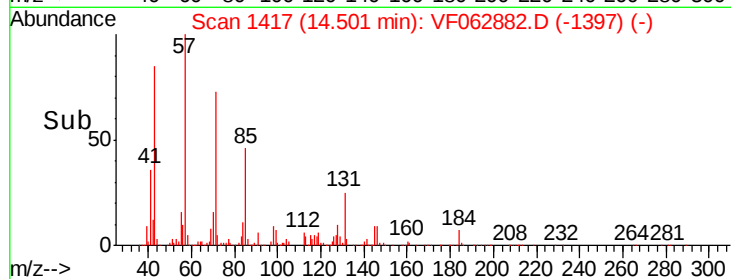
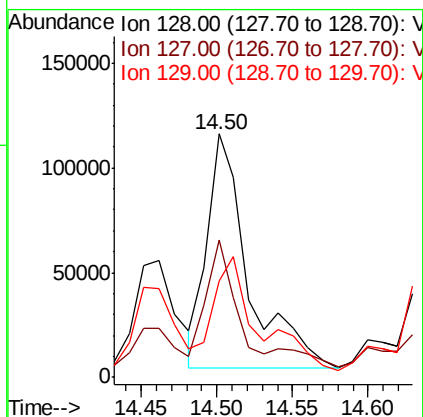
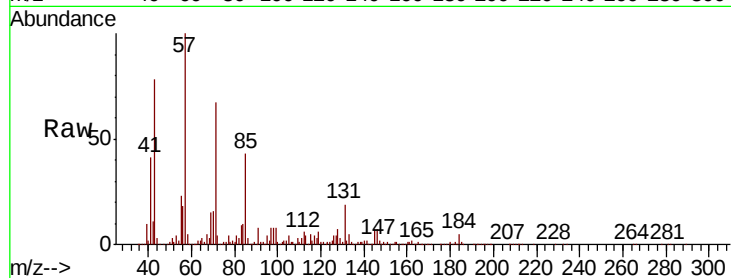




#95
Naphthalene
Concen: 16.224 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-C

Tot Ion:128 Resp: 211643
Ion Ratio Lower Upper
128 100
127 56.7 9.7 14.5#
129 39.4 9.4 14.2#



#96
1,2,3-Trichlorobenzene
Concen: 5.688 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.03 min
Lab File: VF062882.D
Acq: 6 Jun 2019 14:59

Tgt Ion:180 Resp: 41341
Ion Ratio Lower Upper
180 100
182 35.7 48.6 145.9#
145 163.1 15.7 47.0#

