

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062841.D
 Acq On : 4 Jun 2019 16:20
 Operator : FY/SY
 Sample : K3171-04
 Misc : 4.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:21:35 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	676257	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1140298	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	763575	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	210962	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	191943	41.05	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.10%	
35) Dibromofluoromethane	4.31	113	43376	5.03	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	10.06%	
50) Toluene-d8	7.71	98	758623	34.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.64%	
62) 4-Bromofluorobenzene	11.50	95	229113	29.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	58.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	6043	Below Cal	#	61
8) Diethyl Ether	1.72	74	3232	1.669	ug/l	59
11) Tert butyl alcohol	2.68	59	4532	15.998	ug/l #	49
13) Acrolein	2.09	56	1122	1.791	ug/l #	82
15) Acrylonitrile	3.10	53	5437	5.108	ug/l #	94
16) Acetone	2.35	43	72002	67.272	ug/l	92
18) Methyl Acetate	2.50	43	10727	5.735	ug/l #	47
20) Methylene Chloride	2.29	84	6000	Below Cal		93
29) Tetrahydrofuran	4.28	42	7892	8.278	ug/l #	68
40) Benzene	4.82	78	34378	1.125	ug/l #	87
41) Methacrylonitrile	4.94	41	2997	1.343	ug/l #	90
44) Trichloroethene	5.68	130	9256	1.073	ug/l	87
49) 1,4-Dioxane	6.88	88	1695	47.070	ug/l #	63
52) Toluene	7.78	92	110644	6.724	ug/l	88
58) 2-Chloroethyl Vinyl ether	7.46	63	14250	7.730	ug/l	97
59) 2-Hexanone	9.62	43	21423	7.942	ug/l	97
67) Ethyl Benzene	10.03	91	36348	1.436	ug/l #	85
68) m/p-Xylenes	10.26	106	36765	3.797	ug/l	83
69) o-Xylene	10.82	106	21244	2.167	ug/l	70
70) Styrene	10.90	104	146926	10.168	ug/l	96
71) Bromoform	10.88	173	3183	1.130	ug/l #	28
73) Isopropylbenzene	11.22	105	22727	1.544	ug/l	88
74) N-ethyl acetate	11.45	43	9545	2.301	ug/l #	91
76) 1,2,3-Trichloropropane	11.87	75	3718	1.784	ug/l	82
77) Bromobenzene	11.58	156	4022	1.087	ug/l	88
78) n-propylbenzene	11.67	91	32504	1.829	ug/l	80
79) 2-Chlorotoluene	11.79	91	17838	1.754	ug/l	80
80) 1,3,5-Trimethylbenzene	11.89	105	35200	2.924	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.93	75	946	1.072	ug/l #	66
82) 4-Chlorotoluene	11.97	91	11899	1.191	ug/l	89
84) 1,2,4-Trimethylbenzene	12.27	105	87212	7.641	ug/l	88
85) sec-Butylbenzene	12.37	105	18291	1.164	ug/l	94
86) p-Isopropyltoluene	12.52	119	32454	2.481	ug/l	89
88) 1,4-Dichlorobenzene	12.63	146	7266	1.194	ug/l	96

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Response via : Initial Calibration

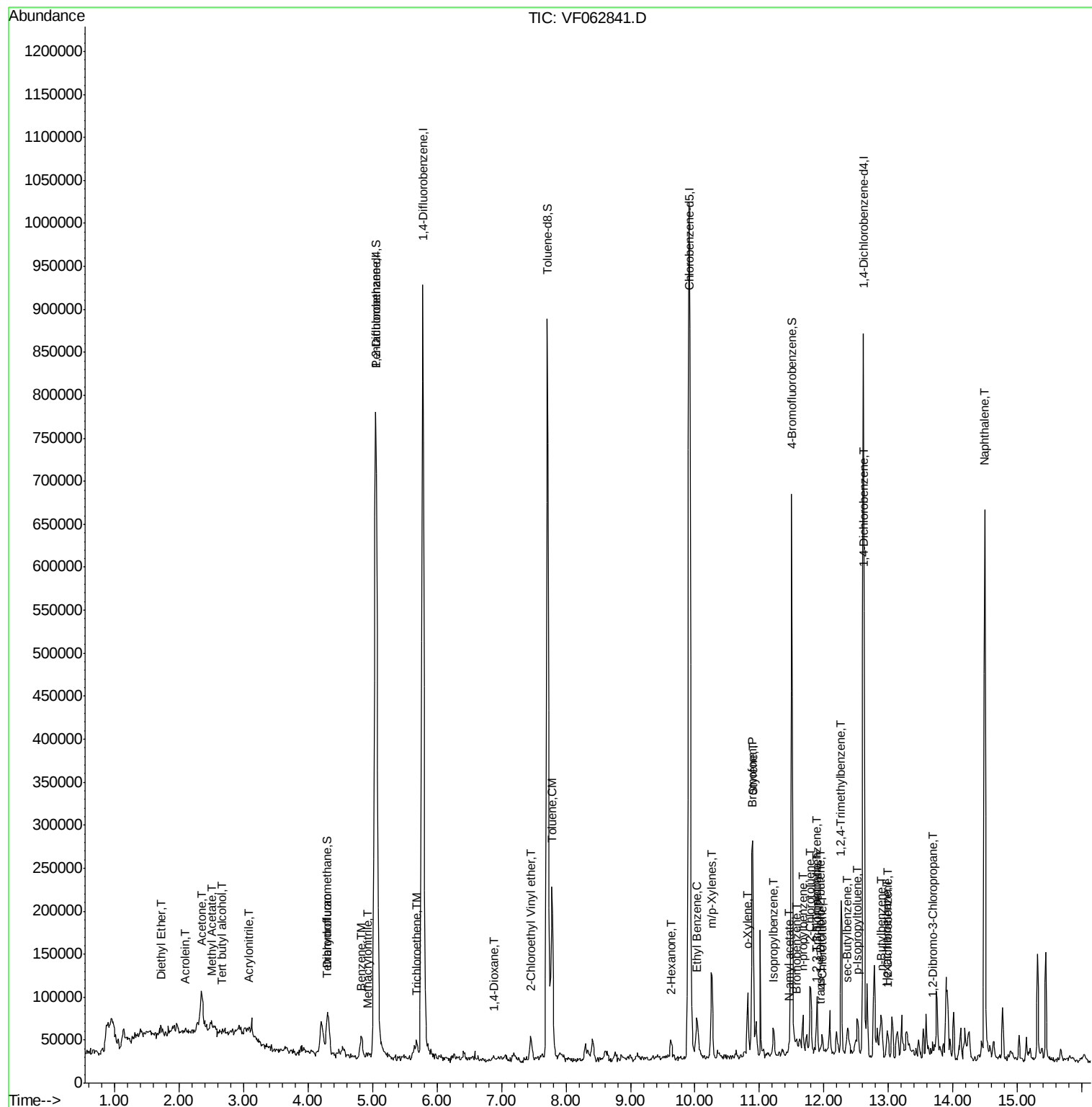
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	12.90	91	18671	1.419	ug/l	94
90) Hexachloroethane	12.98	117	3359	1.053	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	6530	1.139	ug/l	79
92) 1,2-Dibromo-3-Chloropropan	13.69	75	590	1.723	ug/l	84
95) Naphthalene	14.49	128	428873	66.501	ug/l	99

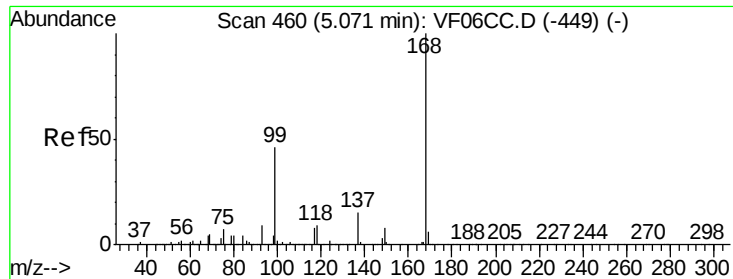
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

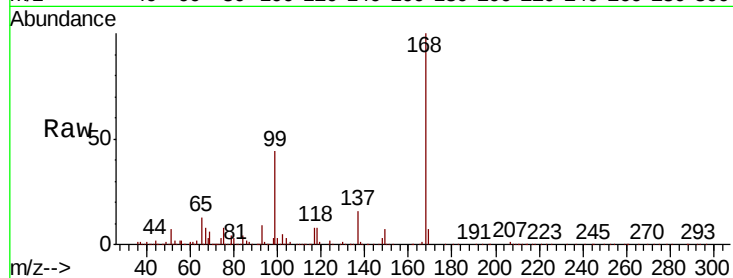
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 676257

Ion Ratio Lower Upper

168 100

99 44.4 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

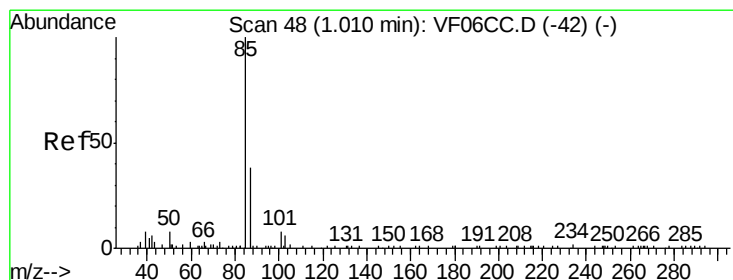
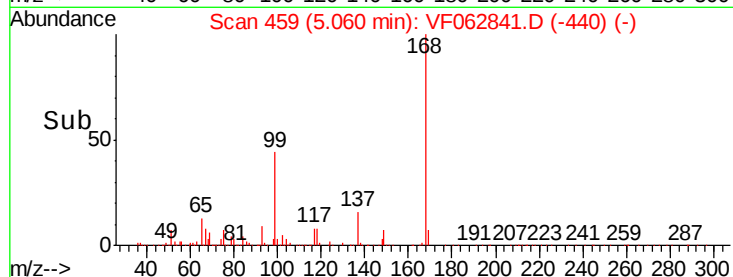
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062841.D

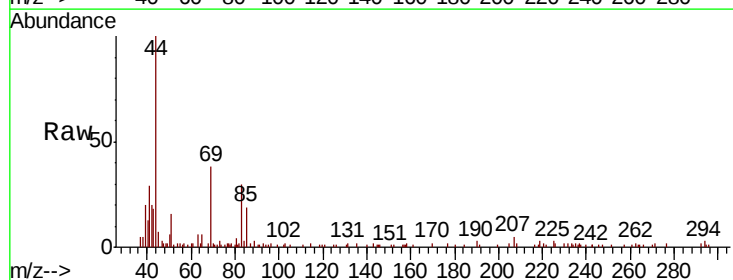
Acq: 4 Jun 2019 16:20

Tgt Ion: 85 Resp: 6043

Ion Ratio Lower Upper

85 100

87 12.5 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

2000

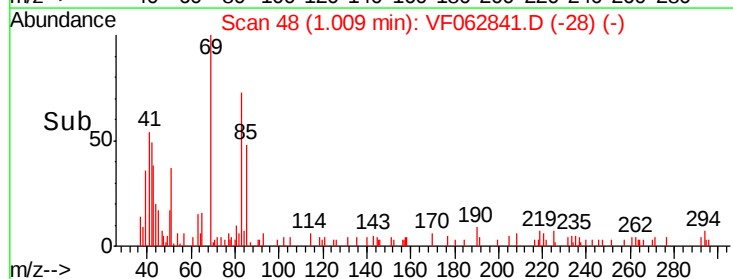
1500

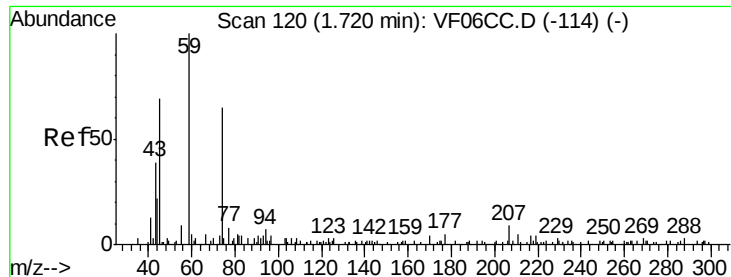
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 1.669 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

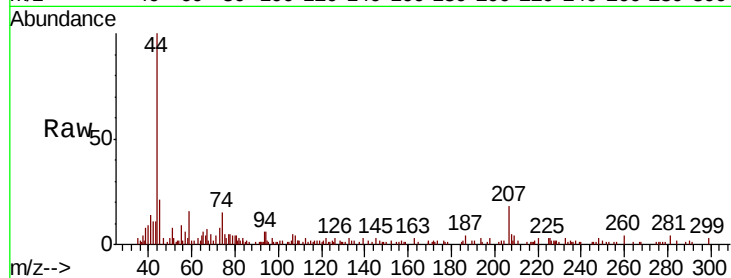
ClientSampled :

Tot Ion: 74 Resp: 3232

Ion Ratio Lower Upper

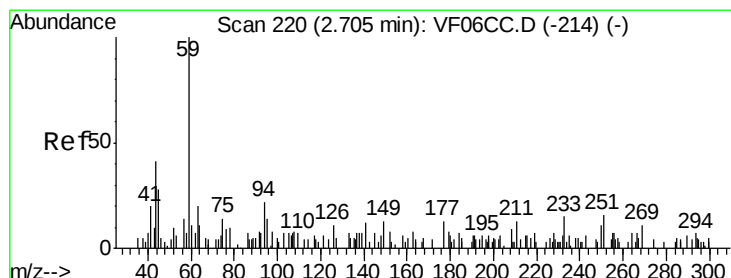
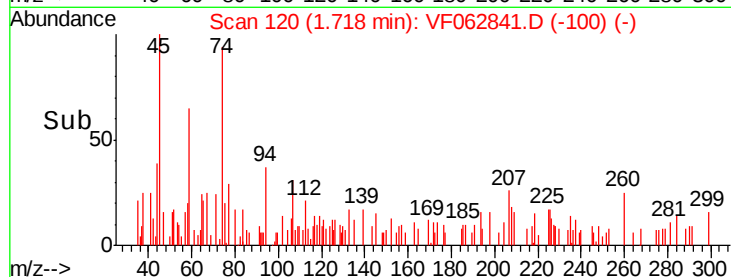
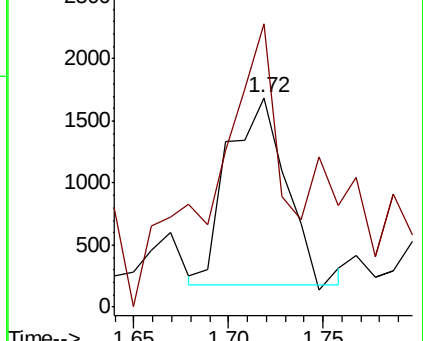
74 100

45 135.0 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 15.998 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF062841.D

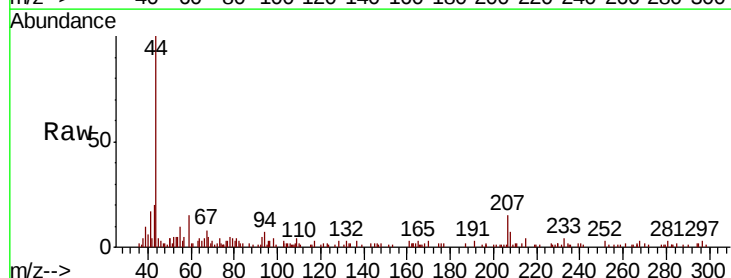
Acq: 4 Jun 2019 16:20

Tgt Ion: 59 Resp: 4532

Ion Ratio Lower Upper

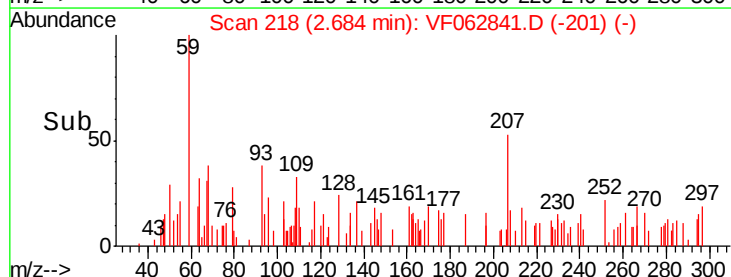
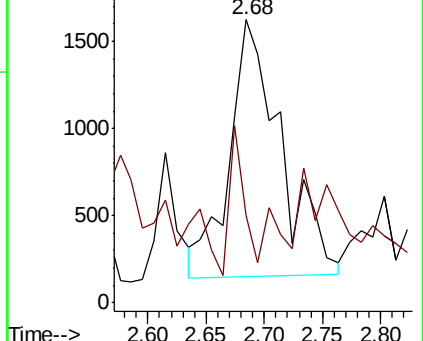
59 100

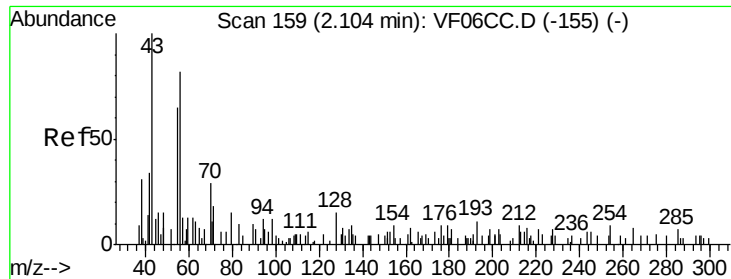
57 31.1 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 1.791 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

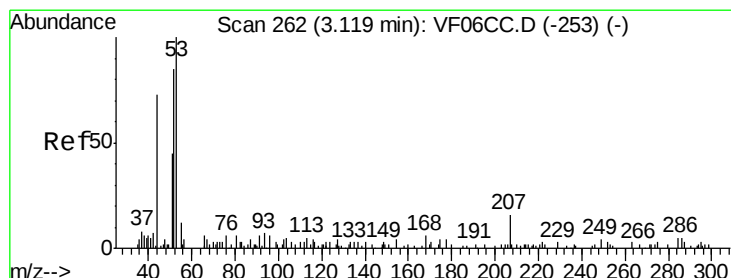
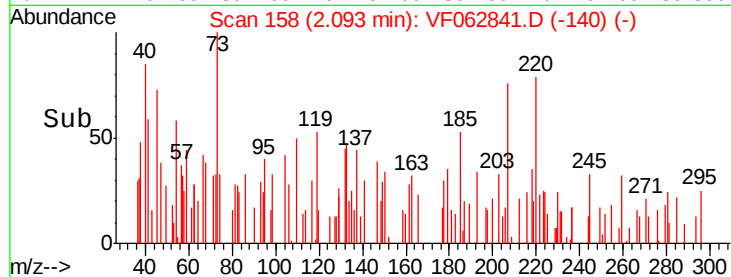
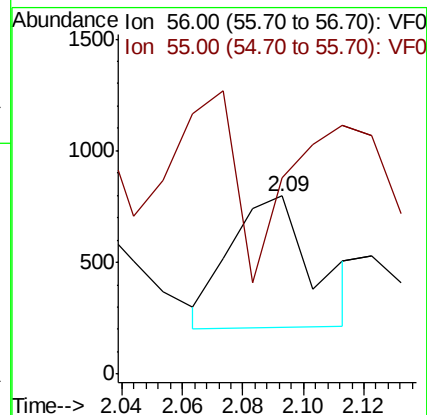
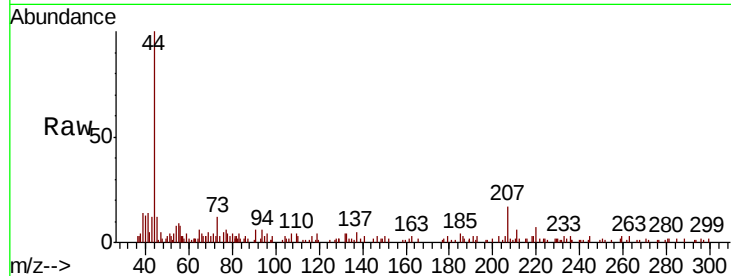
ClientSampleId :

Tot Ion: 56 Resp: 1122

Ion Ratio Lower Upper

56 100

55 80.5 52.9 79.3#



#15

Acrylonitrile

Concen: 5.108 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

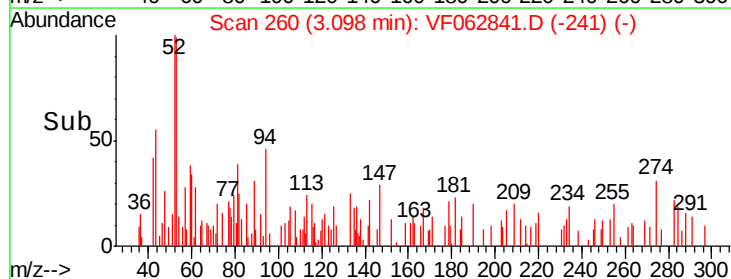
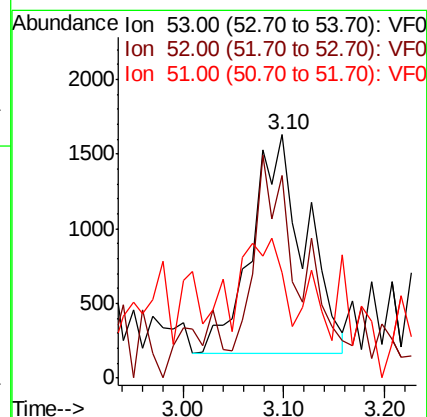
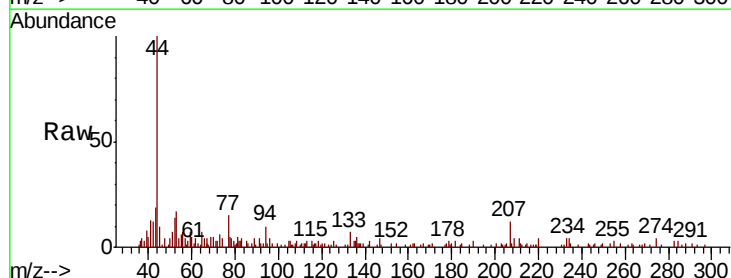
Tgt Ion: 53 Resp: 5437

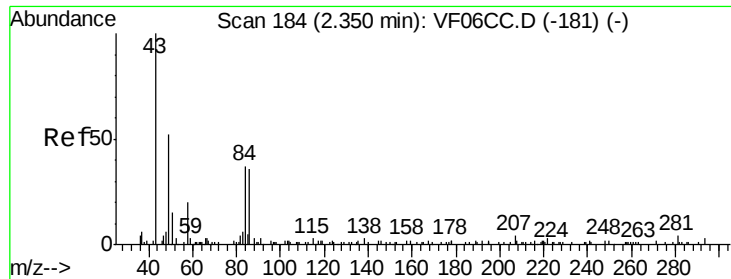
Ion Ratio Lower Upper

53 100

52 83.3 68.1 102.1

51 43.4 27.7 41.5#

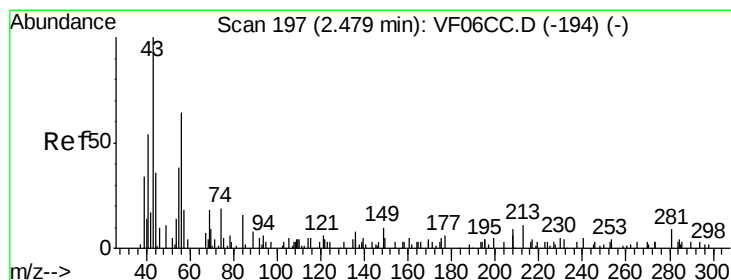
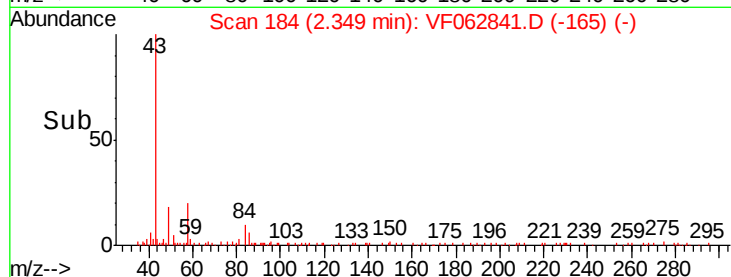
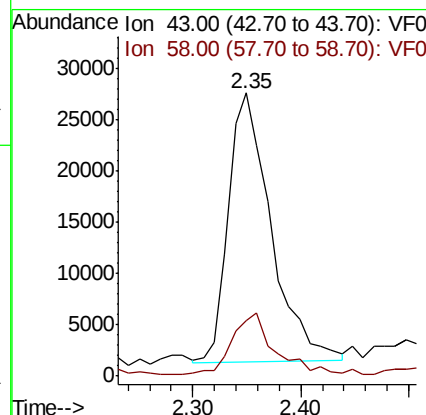
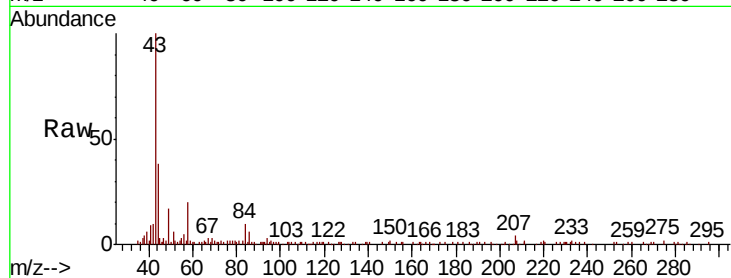




#16
Acetone
Concen: 67.272 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

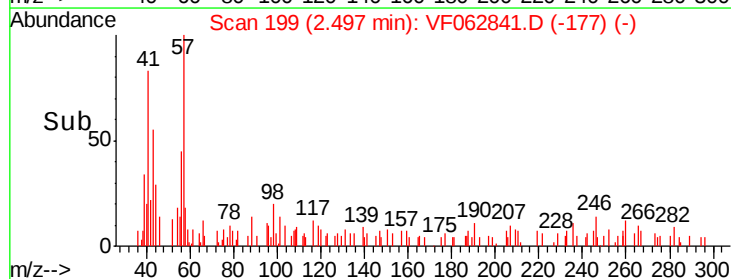
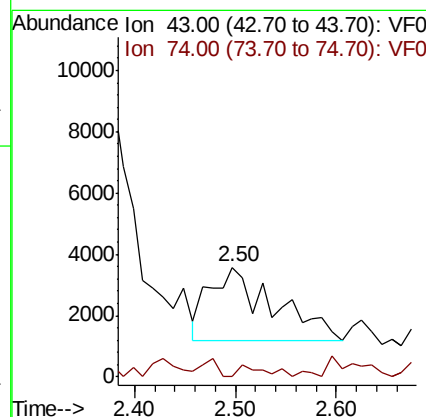
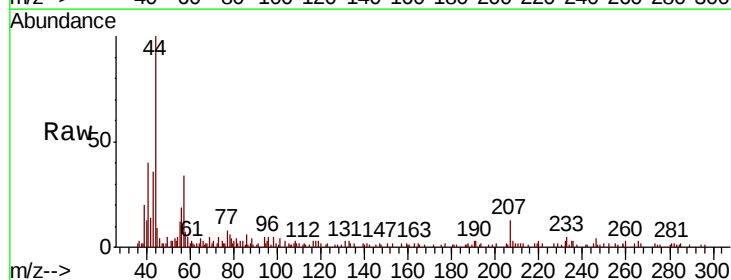
Instrument :
MSVOA_F
ClientSampleId :

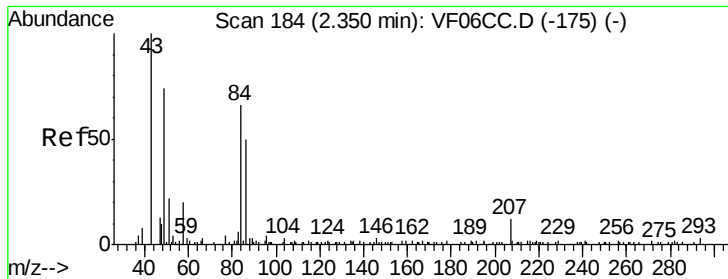
Tot Ion: 43 Resp: 72002
Ion Ratio Lower Upper
43 100
58 19.7 19.0 28.4



#18
Methyl Acetate
Concen: 5.735 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion: 43 Resp: 10727
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#

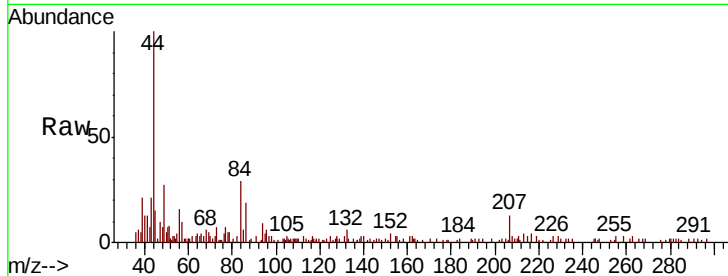




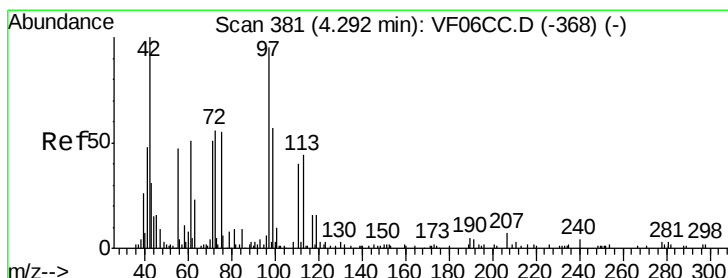
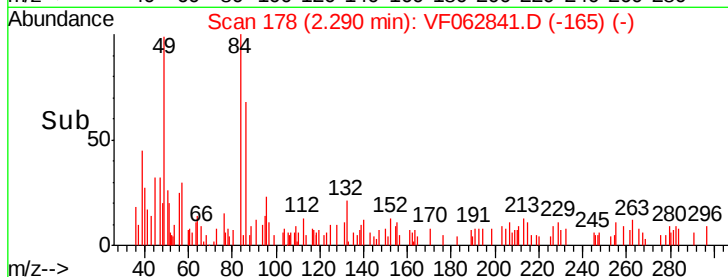
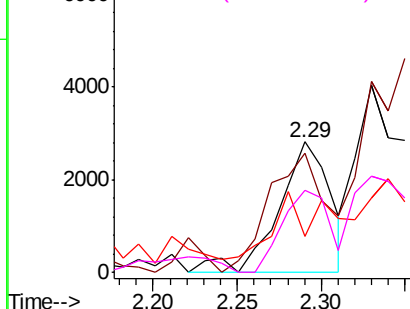
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	84	Resp:	6000
Ion	Ratio	Lower	Upper
84	100		
49	91.9	82.6	123.8
51	33.7	25.0	37.4
86	63.3	51.5	77.3

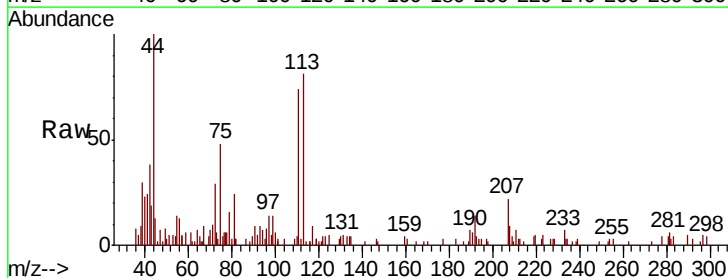


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

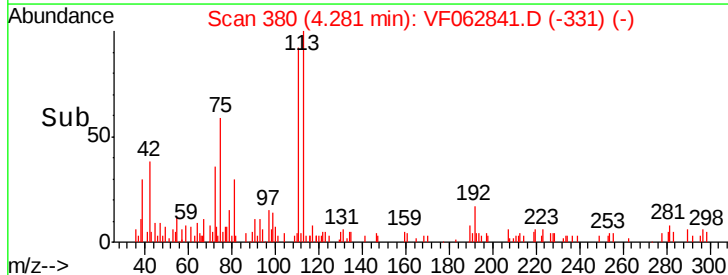
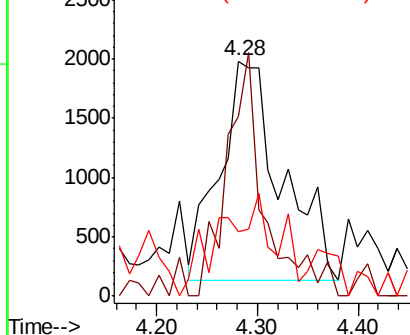


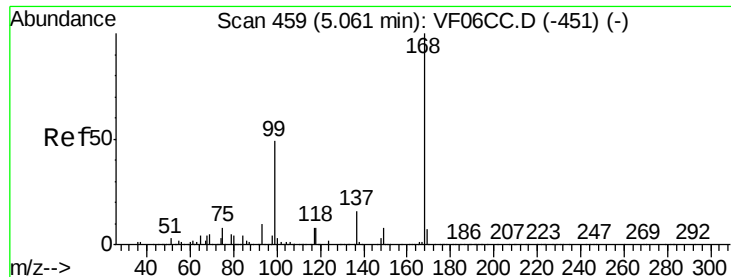
#29
Tetrahydrofuran
Concen: 8.278 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion:	42	Resp:	7892
Ion	Ratio	Lower	Upper
42	100		
72	67.1	39.0	58.6#
71	20.7	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: 41.045 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

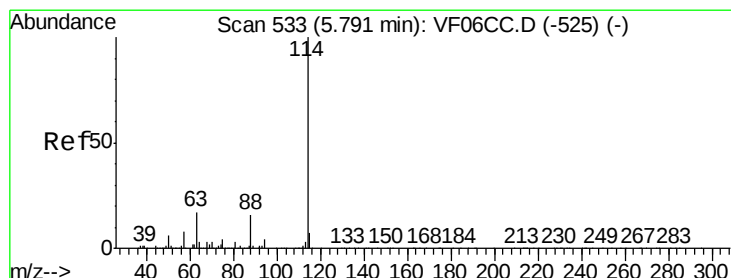
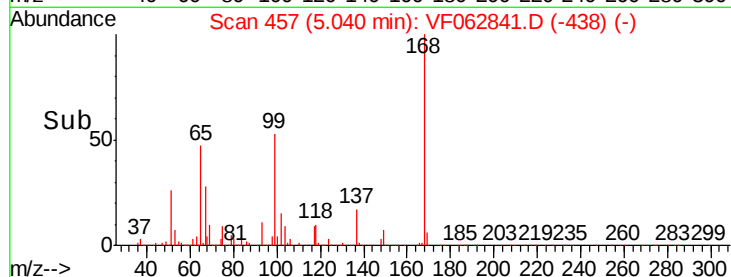
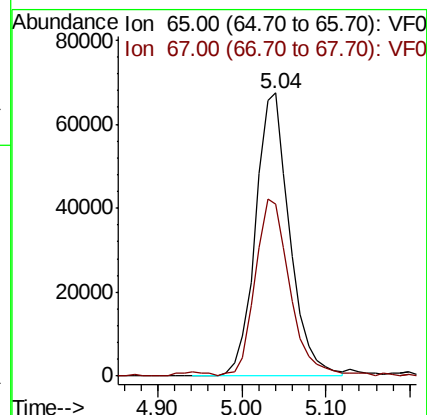
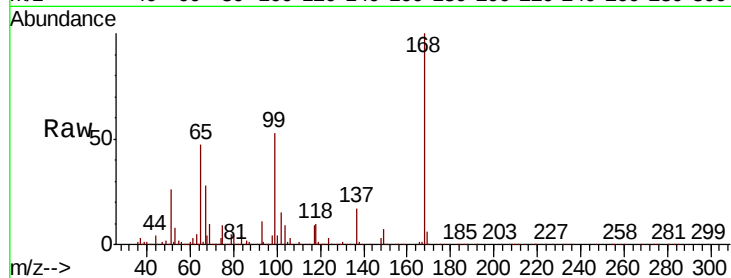
ClientSampleId :

Tot Ion: 65 Resp: 191943

Ion Ratio Lower Upper

65 100

67 60.8 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

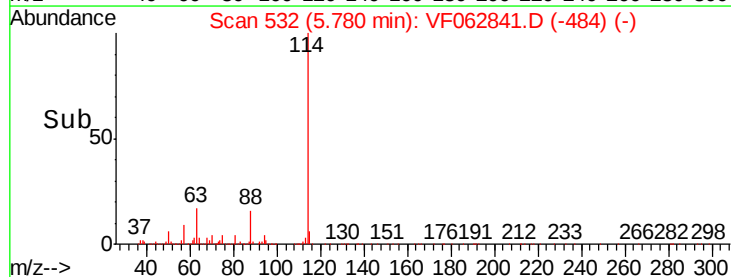
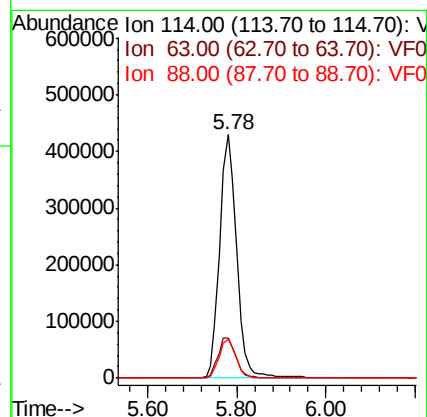
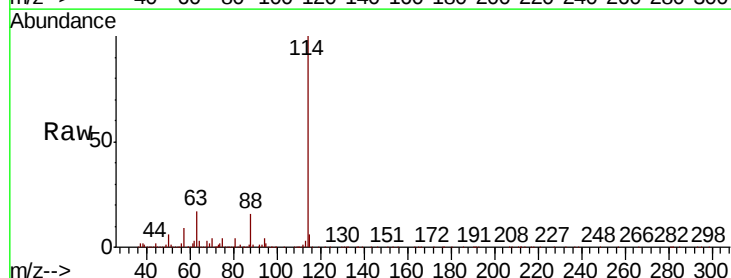
Tgt Ion: 114 Resp: 1140298

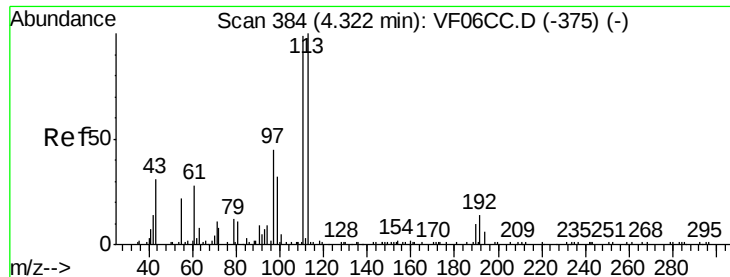
Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 5.034 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :

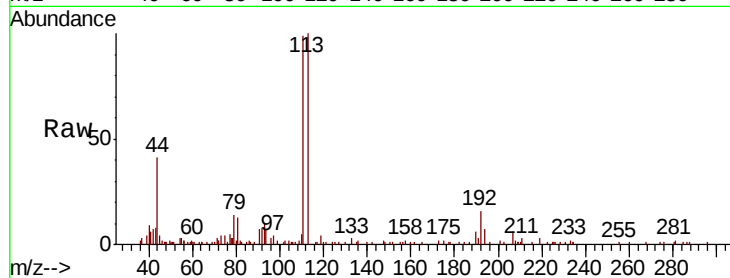
Tot Ion:113 Resp: 43376

Ion Ratio Lower Upper

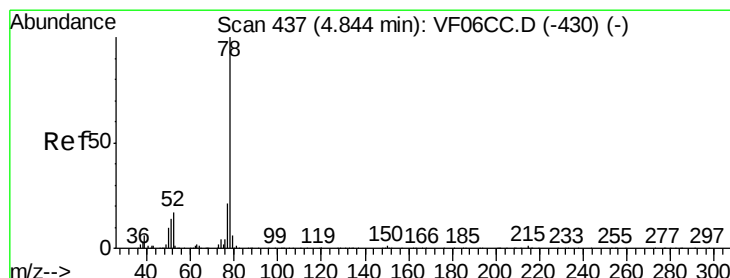
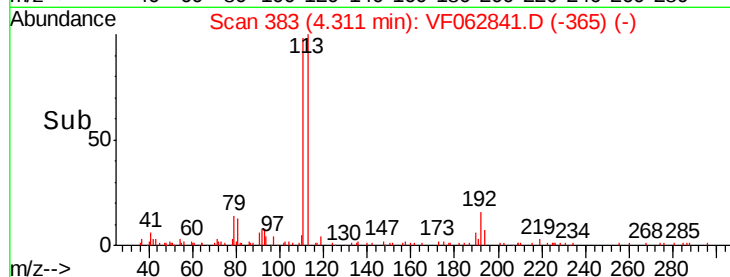
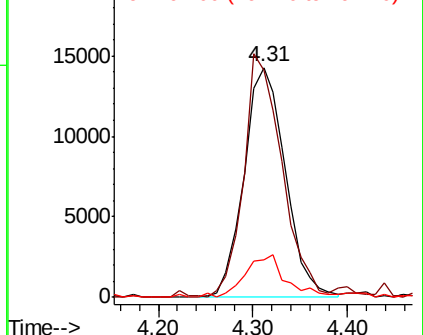
113 100

111 98.7 81.9 122.9

192 16.4 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



#40

Benzene

Concen: 1.125 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.02 min

Lab File: VF062841.D

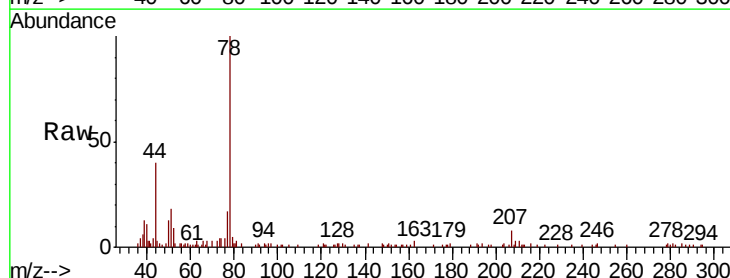
Acq: 4 Jun 2019 16:20

Tgt Ion: 78 Resp: 34378

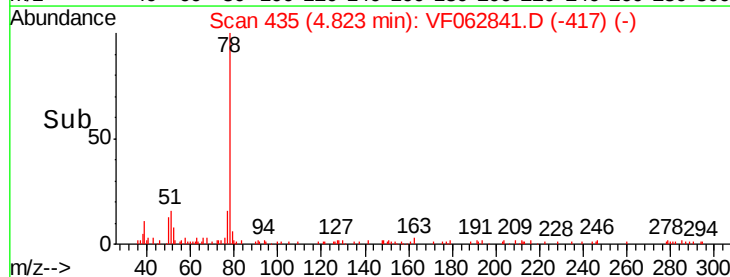
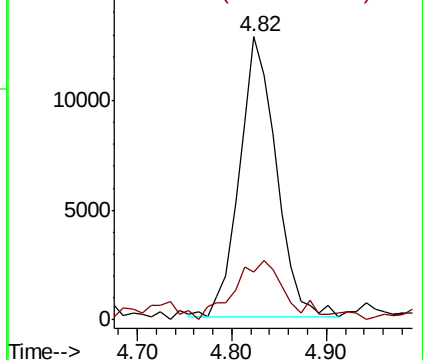
Ion Ratio Lower Upper

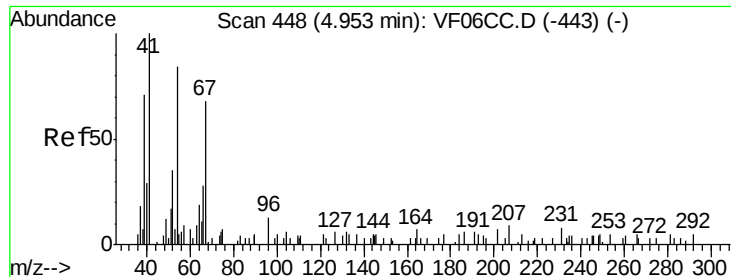
78 100

77 17.0 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

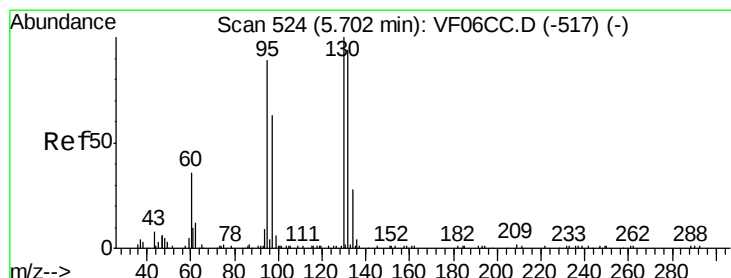
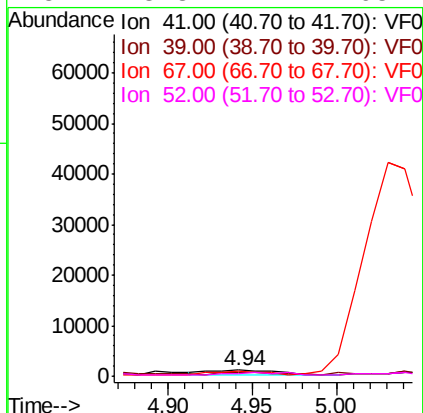
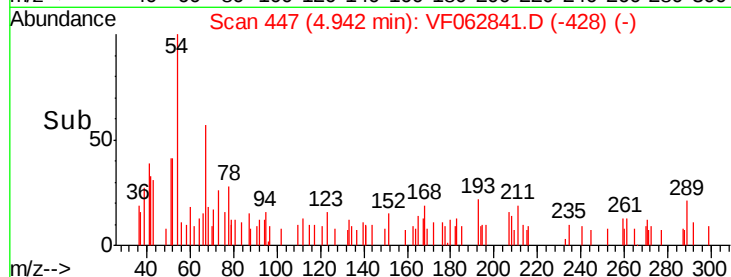
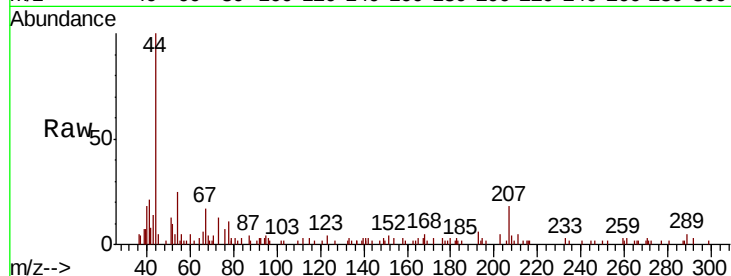




#41
Methacrylonitrile
Concen: 1.343 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

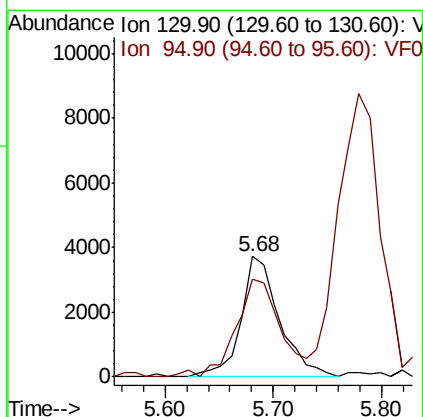
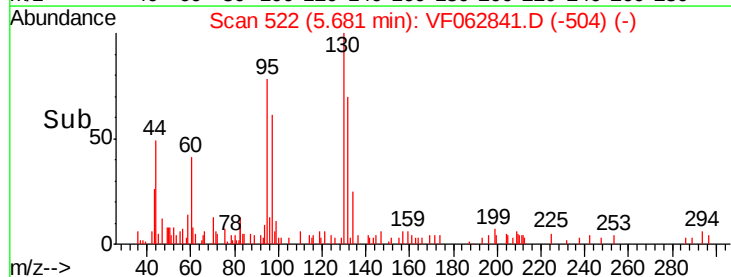
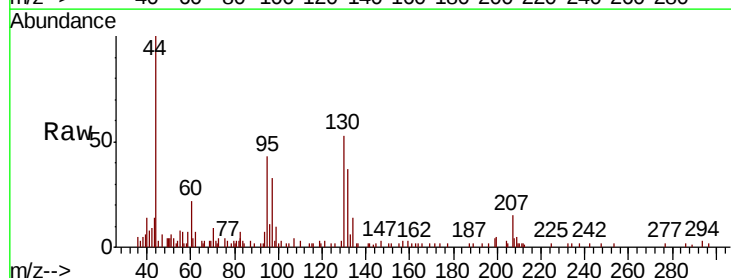
Instrument :
MSVOA_F
ClientSampleId :

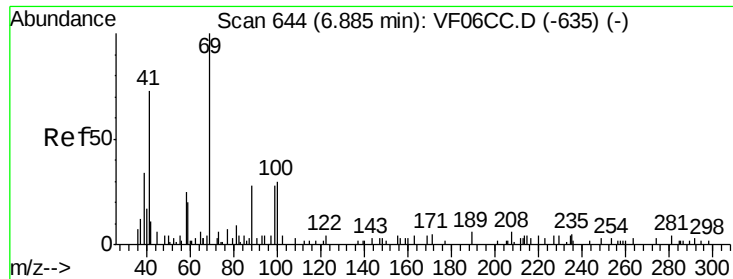
Tot Ion:	41	Resp:	2997
Ion	Ratio	Lower	Upper
41	100		
39	66.3	42.0	63.0#
67	81.7	61.4	92.0
52	48.3	42.1	63.1



#44
Trichloroethene
Concen: 1.073 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion:	130	Resp:	9256
Ion	Ratio	Lower	Upper
130	100		
95	81.4	0.0	188.2

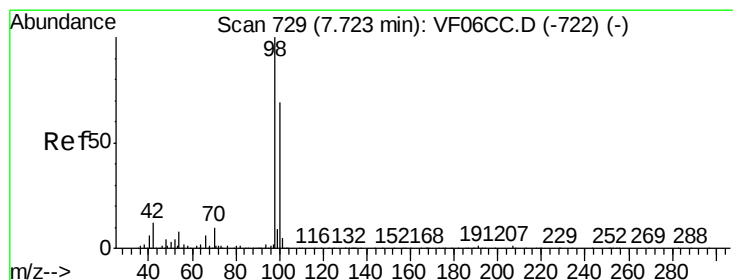
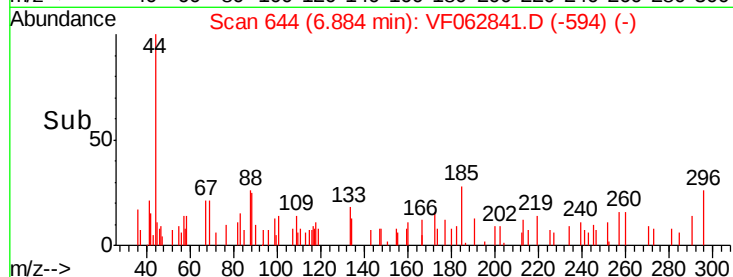
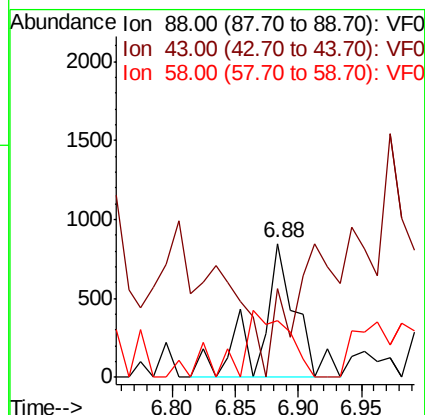
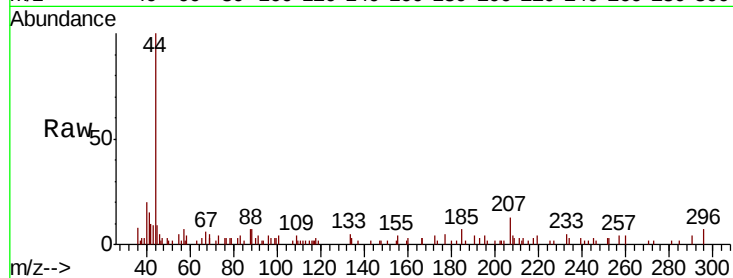




#49
1,4-Dioxane
Concen: 47.070 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

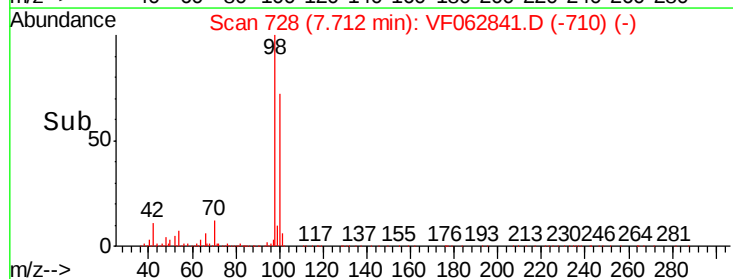
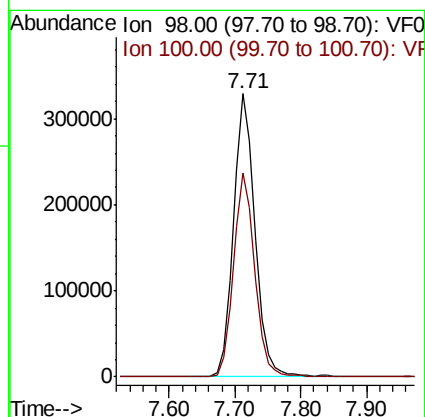
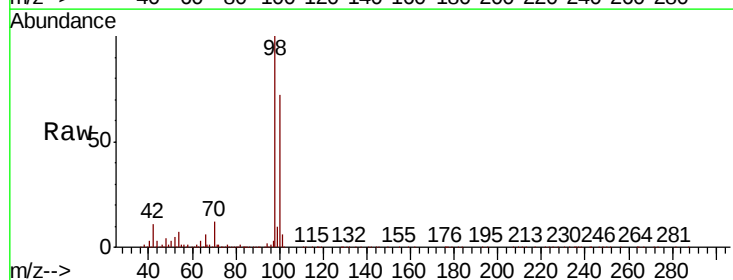
Instrument :
MSVOA_F
ClientSampled :

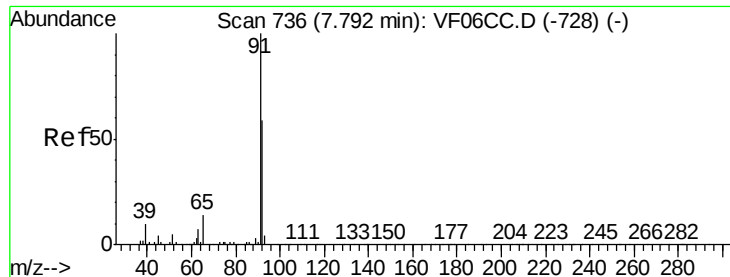
Tot Ion: 88 Resp: 1695
Ion Ratio Lower Upper
88 100
43 66.4 34.8 52.2#
58 42.7 59.9 89.9#



#50
Toluene-d8
Concen: 34.816 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion: 98 Resp: 758623
Ion Ratio Lower Upper
98 100
100 72.0 59.8 89.8





#52

Toluene

Concen: 6.724 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

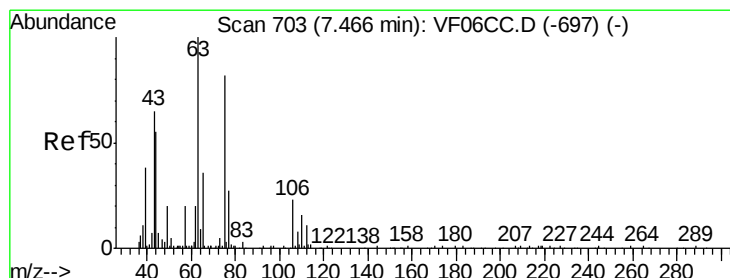
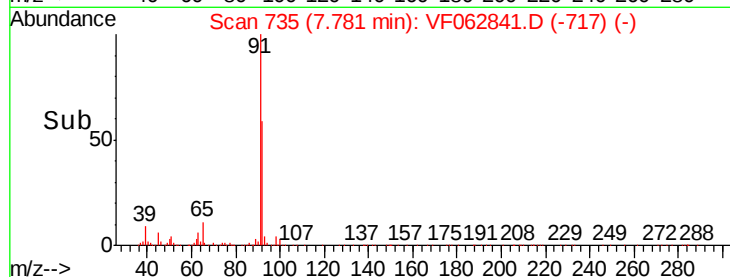
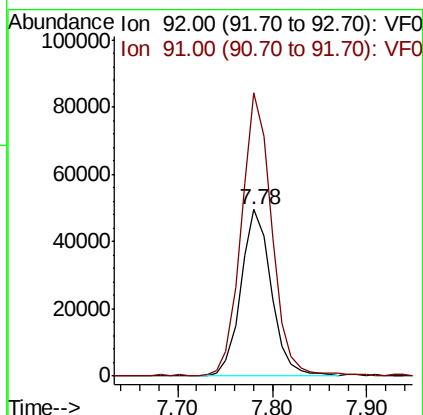
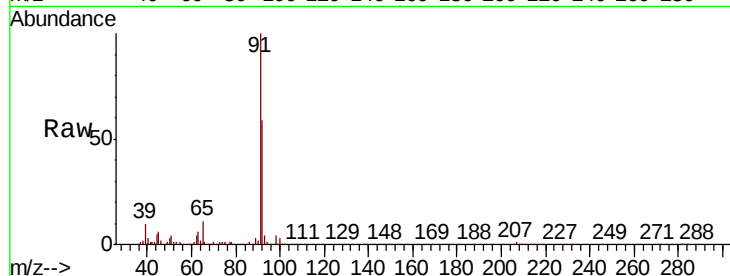
ClientSampleId :

Tot Ion: 92 Resp: 110644

Ion Ratio Lower Upper

92 100

91 170.1 123.2 184.8



#58

2-Chloroethyl Vinyl ether

Concen: 7.730 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062841.D

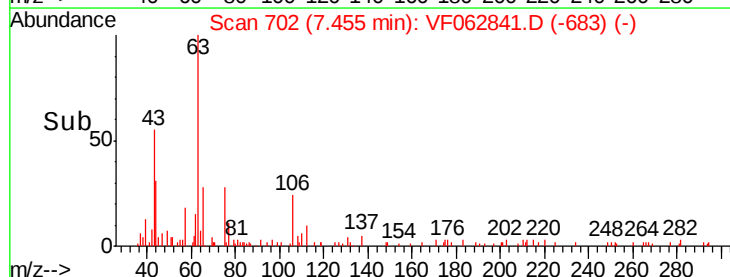
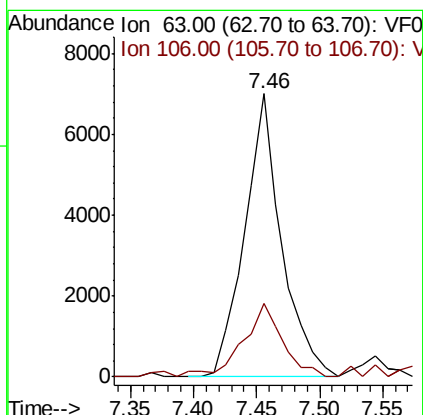
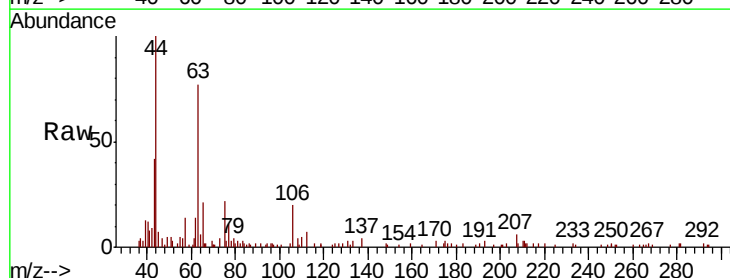
Acq: 4 Jun 2019 16:20

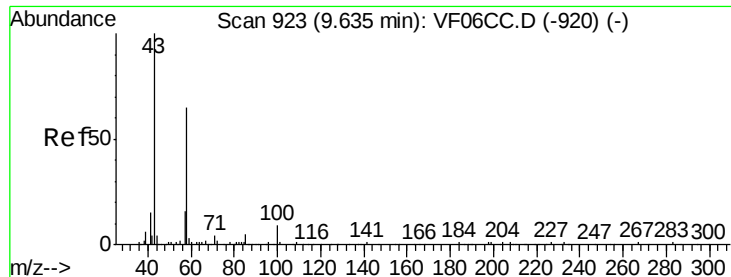
Tgt Ion: 63 Resp: 14250

Ion Ratio Lower Upper

63 100

106 25.8 19.5 29.3

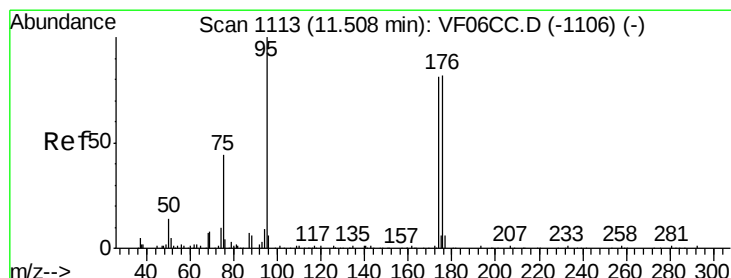
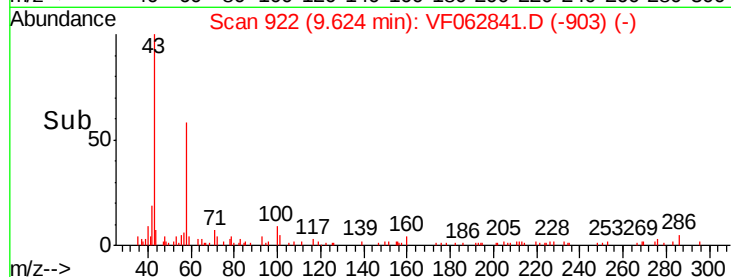
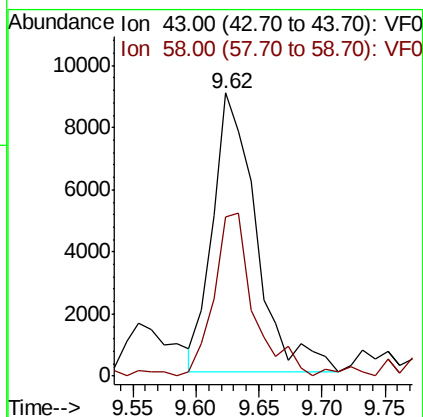
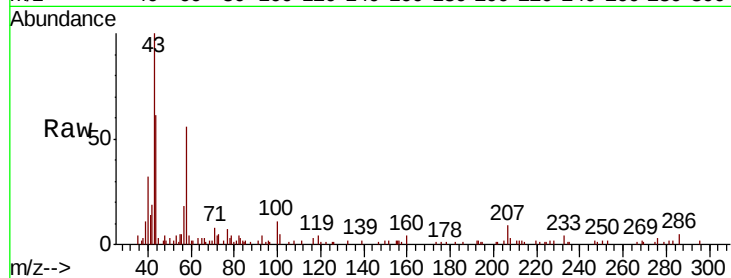




#59
2-Hexanone
Concen: 7.942 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

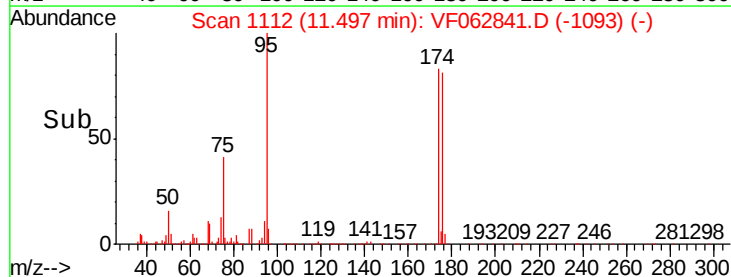
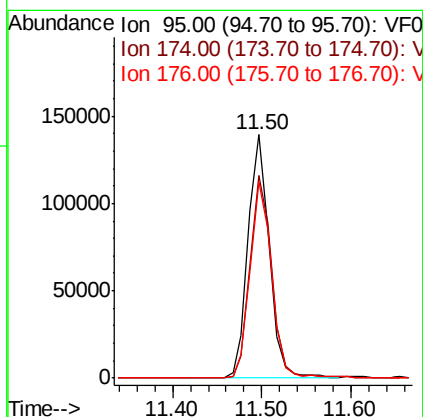
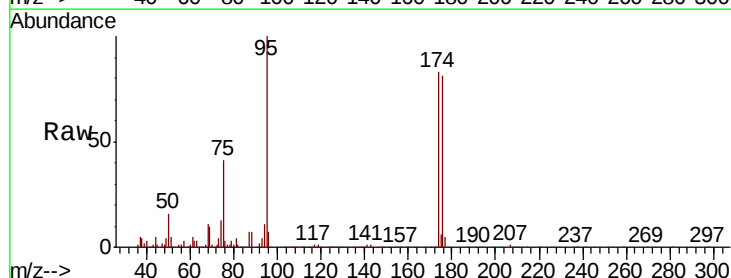
Instrument :
MSVOA_F
ClientSampled :

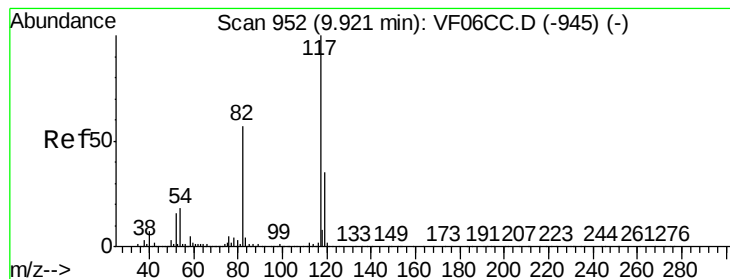
Tot Ion: 43 Resp: 21423
Ion Ratio Lower Upper
43 100
58 56.3 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 29.231 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion: 95 Resp: 229113
Ion Ratio Lower Upper
95 100
174 83.0 0.0 170.6
176 80.8 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :

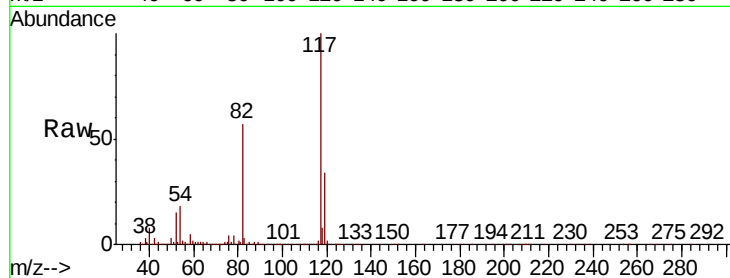
Tot Ion:117 Resp: 763575

Ion Ratio Lower Upper

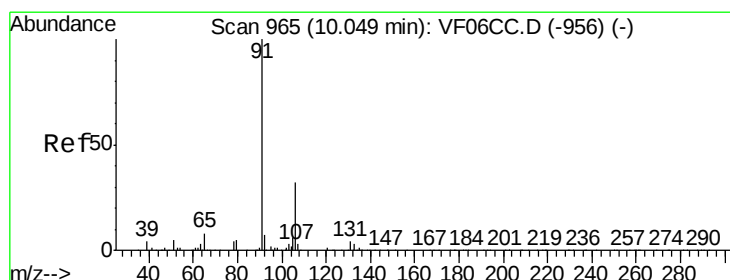
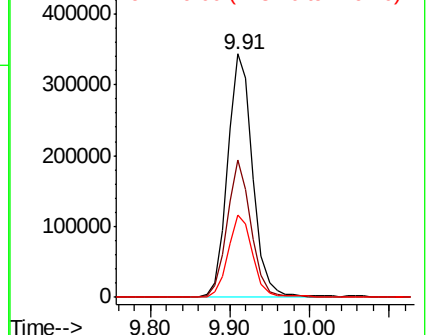
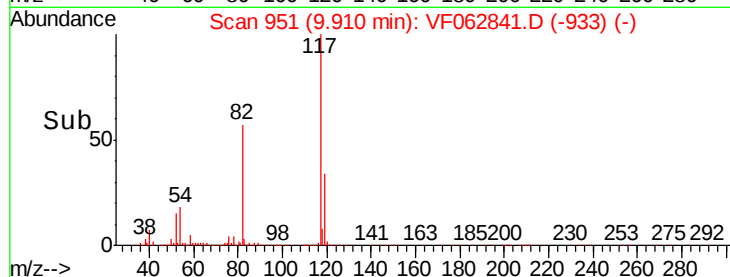
117 100

82 56.6 42.4 63.6

119 33.7 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: 1.436 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF062841.D

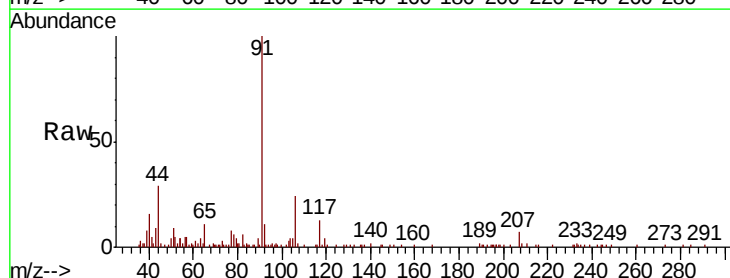
Acq: 4 Jun 2019 16:20

Tgt Ion: 91 Resp: 36348

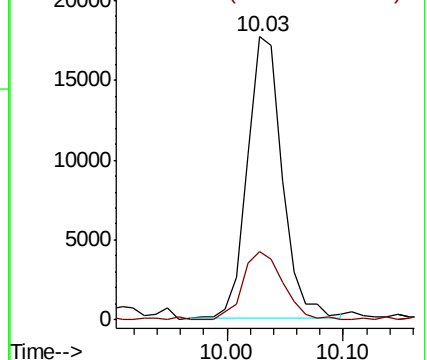
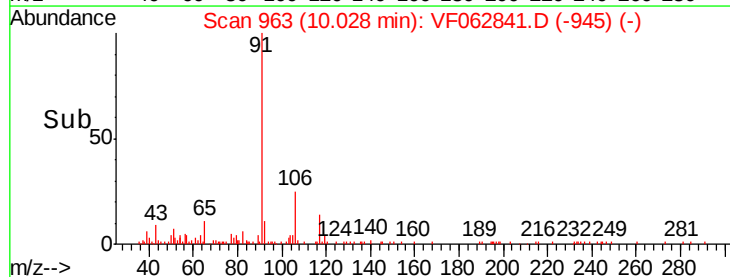
Ion Ratio Lower Upper

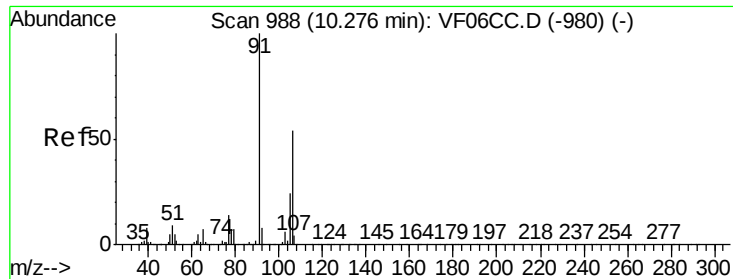
91 100

106 24.2 26.0 39.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

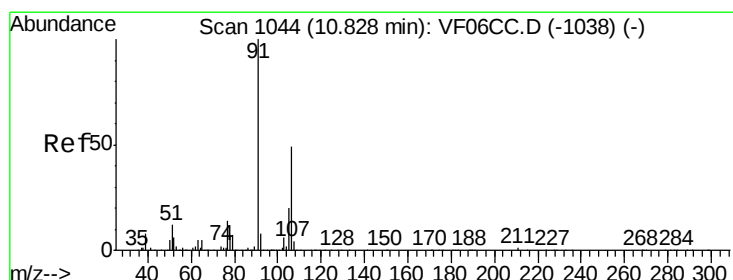
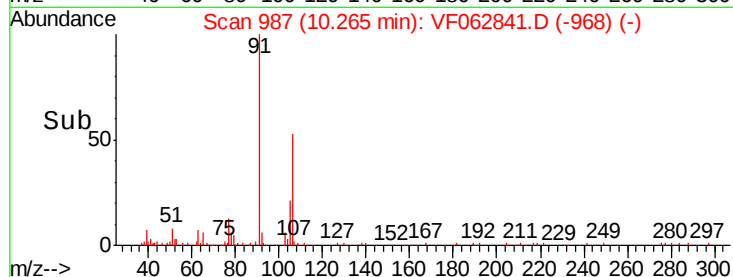
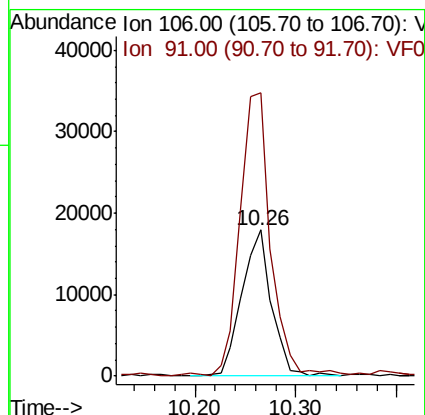
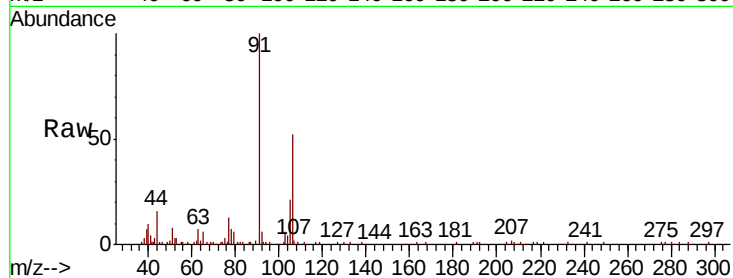




#68
m/p-Xylenes
Concen: 3.797 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

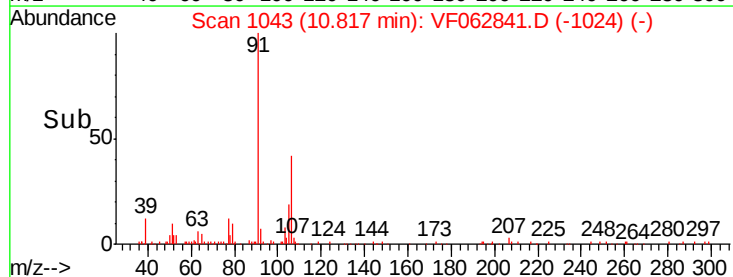
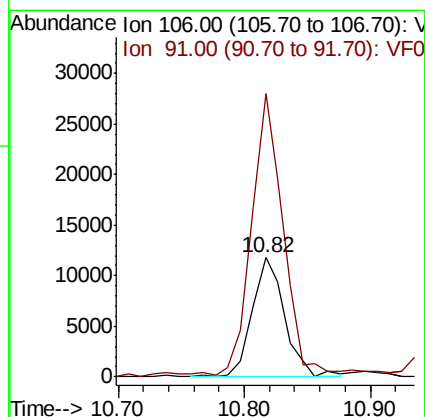
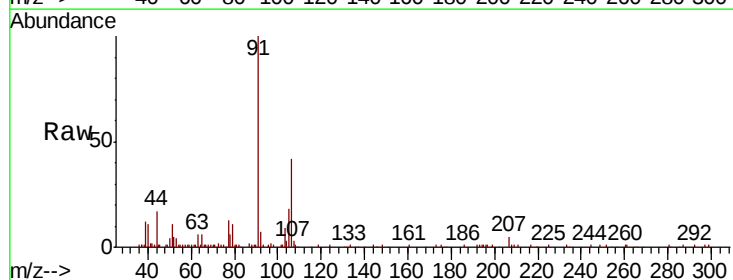
Instrument :
MSVOA_F
ClientSampleId :

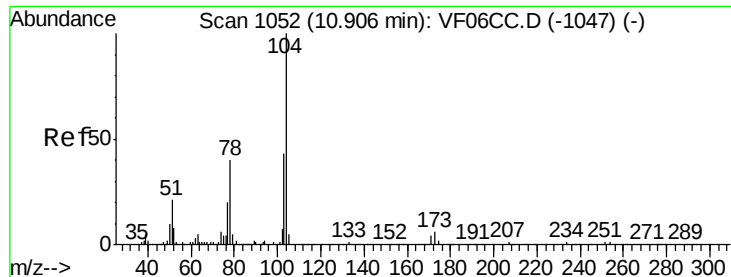
Tot Ion:106 Resp: 36765
Ion Ratio Lower Upper
106 100
91 193.7 136.2 204.4



#69
o-Xylene
Concen: 2.167 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion:106 Resp: 21244
Ion Ratio Lower Upper
106 100
91 238.0 96.6 289.8

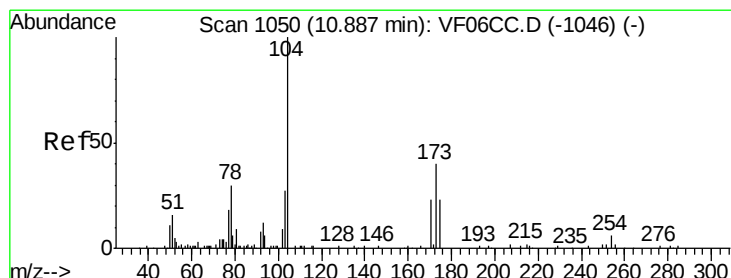
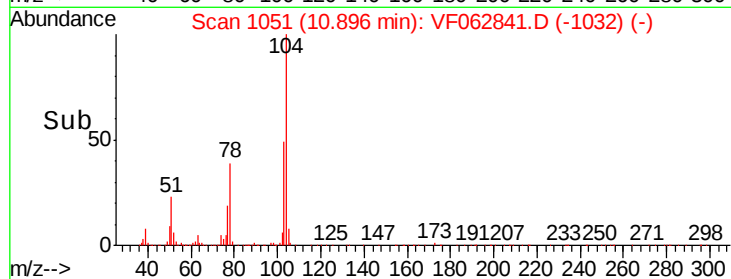
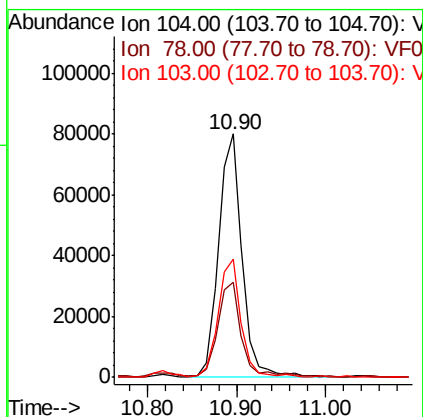
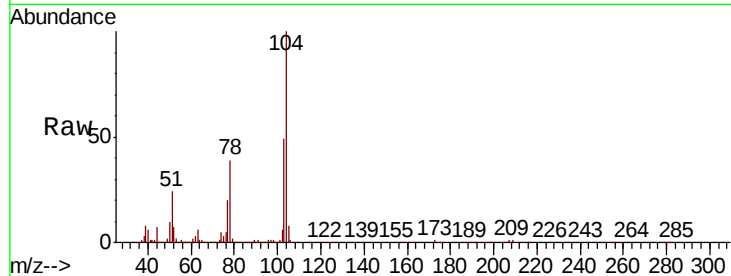




#70
Stvrene
Concen: 10.168 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

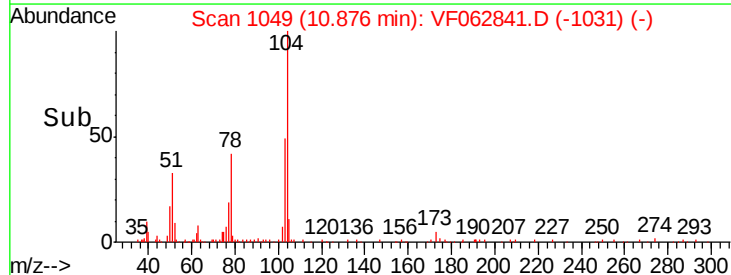
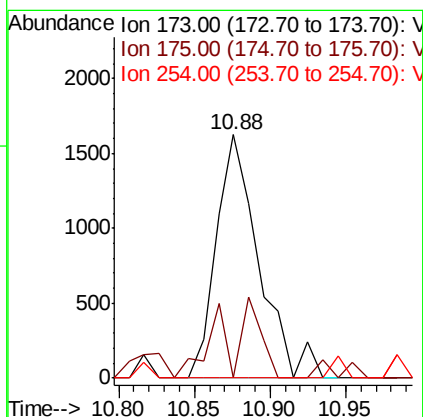
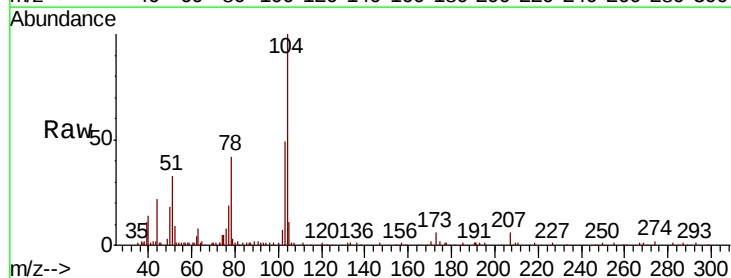
Instrument :
MSVOA_F
ClientSampleId :

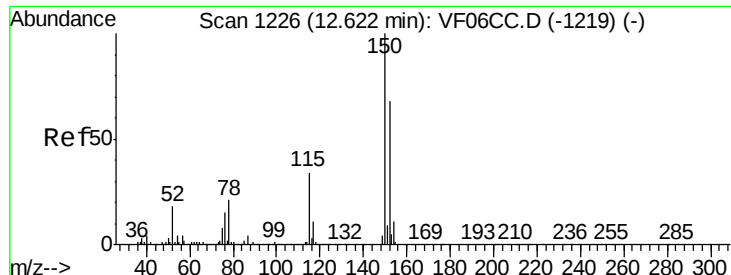
Tot Ion:104 Resp: 146926
Ion Ratio Lower Upper
104 100
78 39.2 30.8 46.2
103 48.7 35.8 53.6



#71
Bromoform
Concen: 1.130 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion:173 Resp: 3183
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.1 0.1#

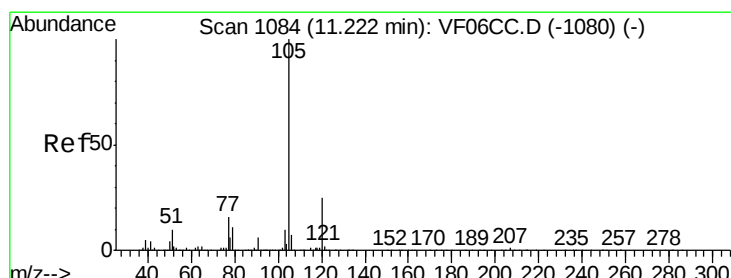
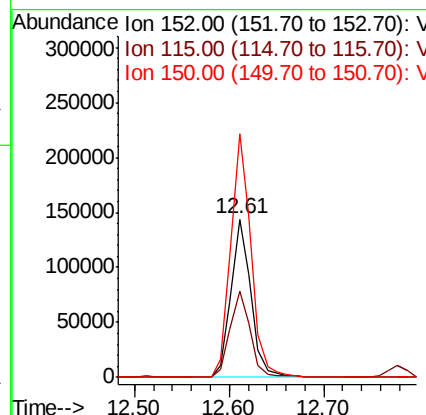
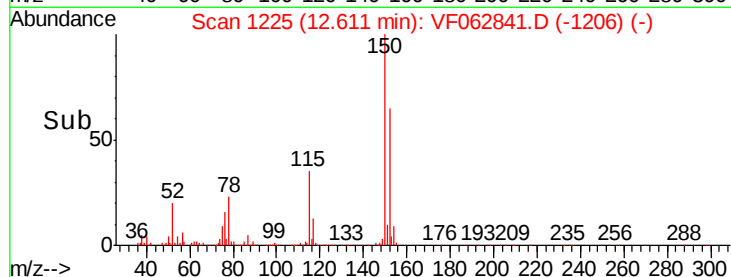
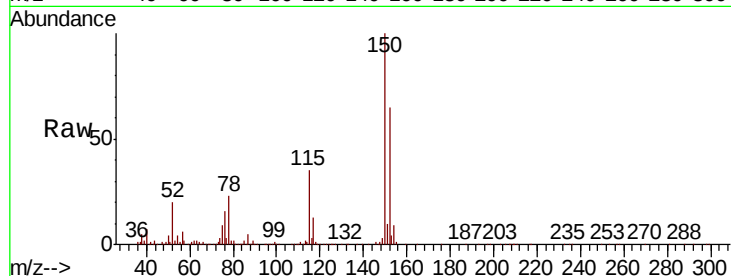




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

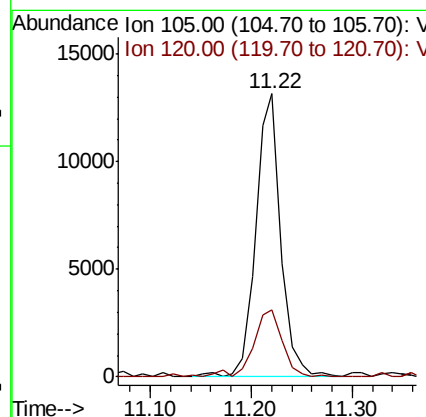
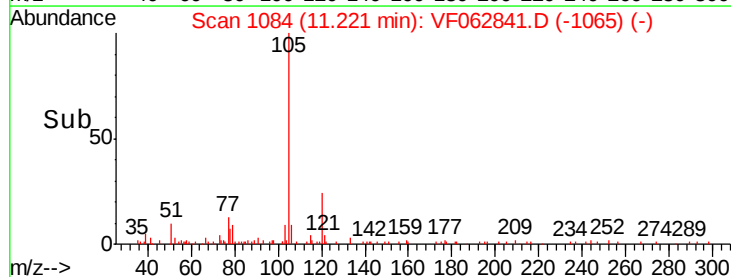
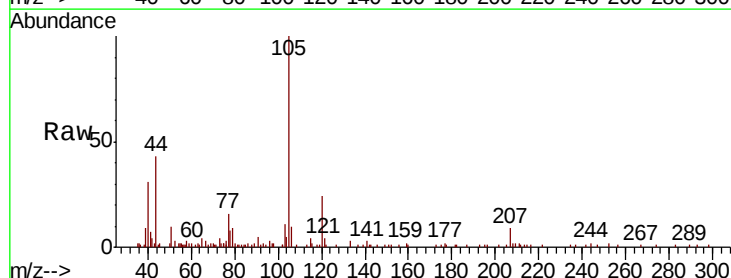
Instrument :
 MSVOA_F
 ClientSampleId :

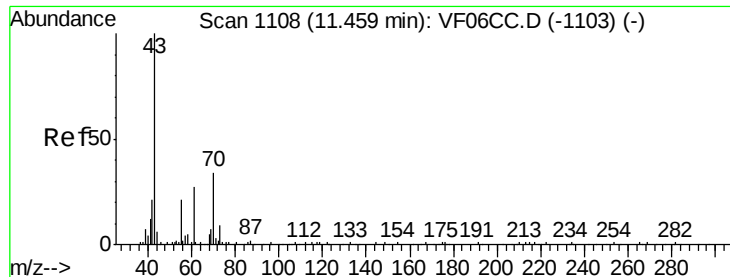
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	24.6	74.0
150	153.6	0.0	290.6



#73
 Isopropylbenzene
 Concen: 1.544 ug/l
 RT: 11.22 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.9	15.1	45.3





#74

N-amvl acetate

Concen: 2.301 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

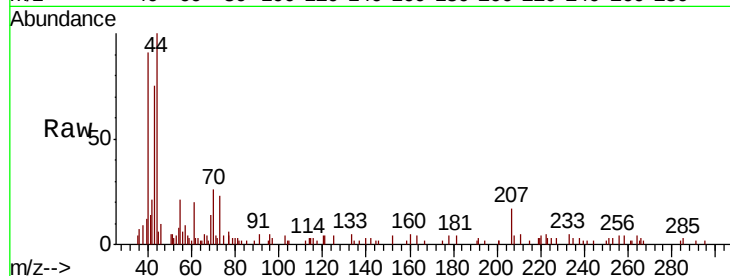
MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 9545

Ion Ratio Lower Upper

43	100		
70	34.6	32.9	49.3
55	27.6	17.3	25.9
61	27.2	23.7	35.5

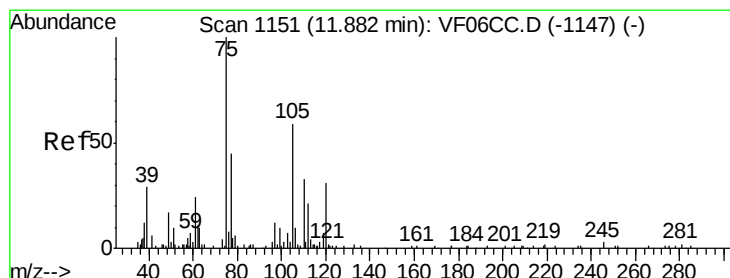
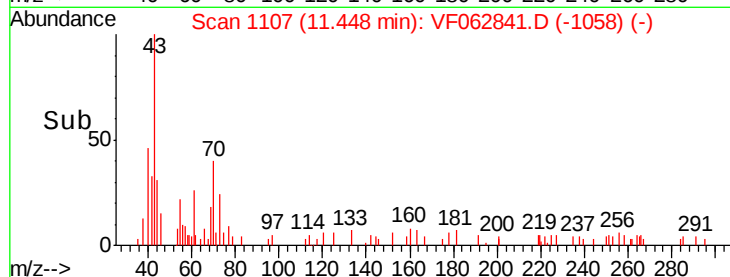
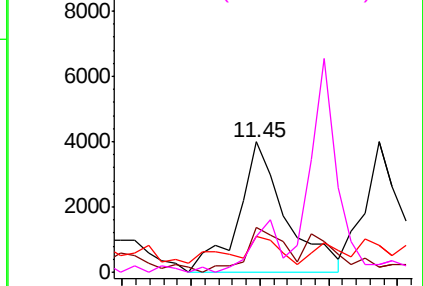


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.784 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

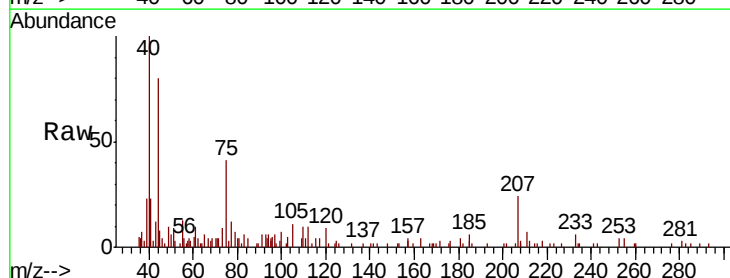
Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Tgt Ion: 75 Resp: 3718

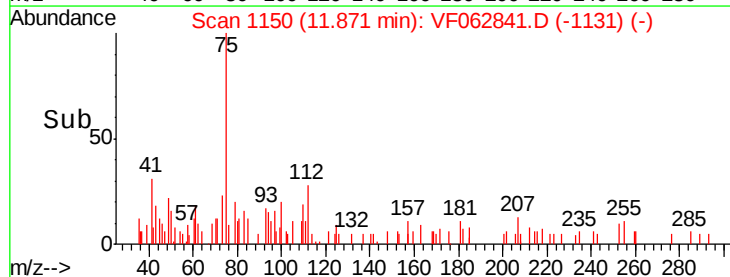
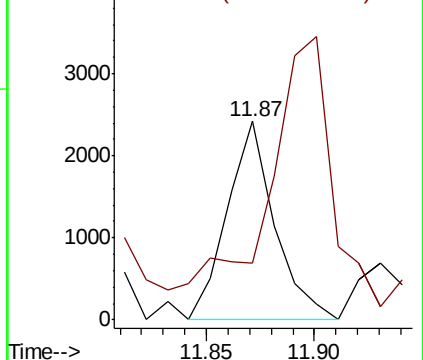
Ion Ratio Lower Upper

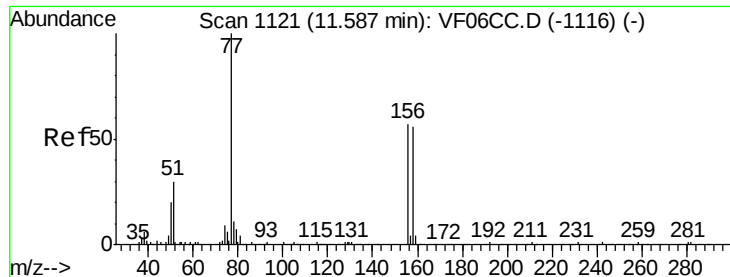
75	100		
77	28.8	20.1	60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 1.087 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

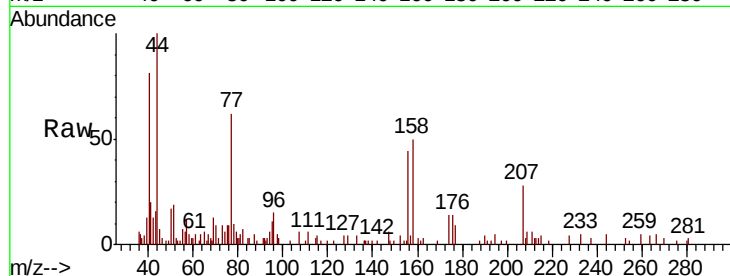
Tot Ion:156 Resp: 4022

Ion Ratio Lower Upper

156 100

77 141.8 64.2 192.6

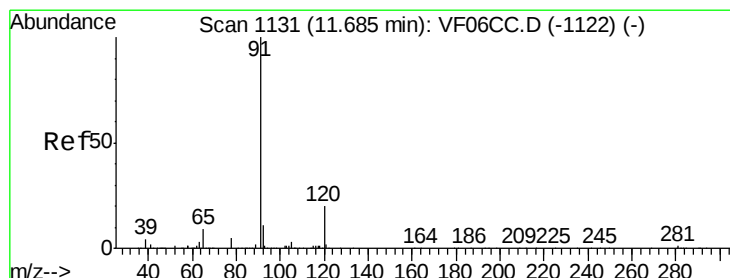
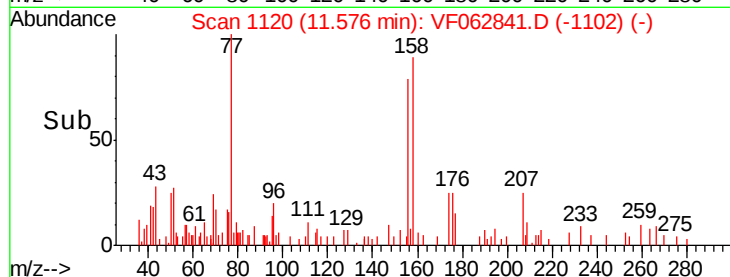
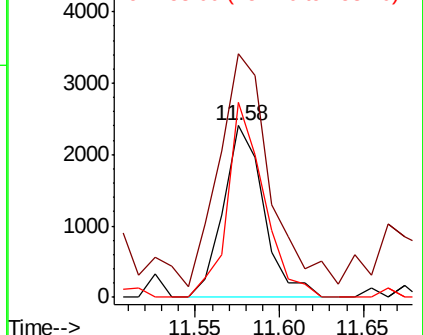
158 113.6 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 1.829 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062841.D

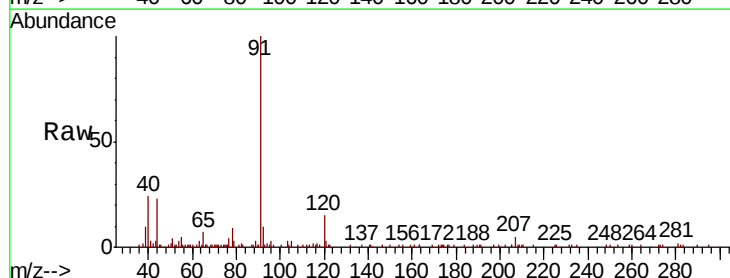
Acq: 4 Jun 2019 16:20

Tgt Ion: 91 Resp: 32504

Ion Ratio Lower Upper

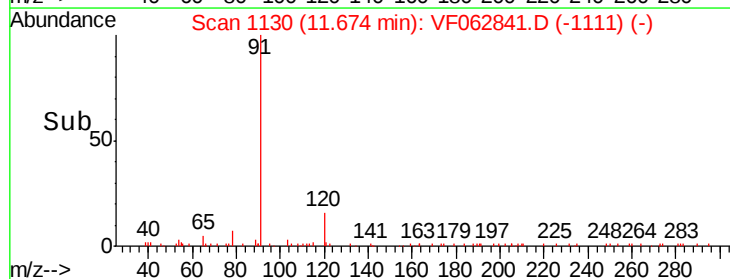
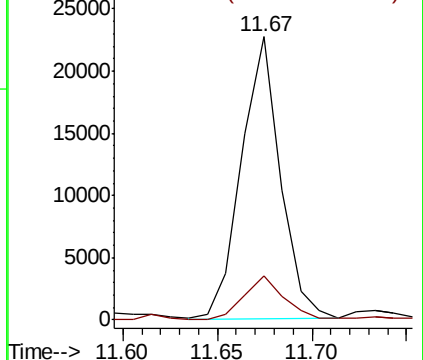
91 100

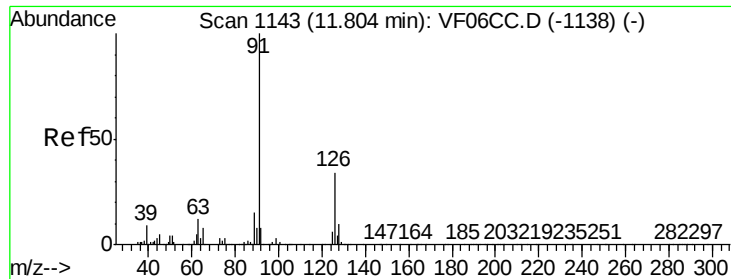
120 15.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

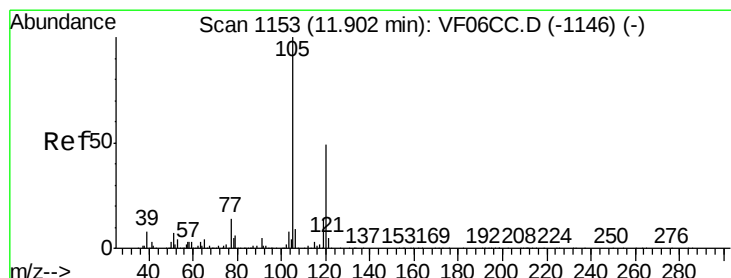
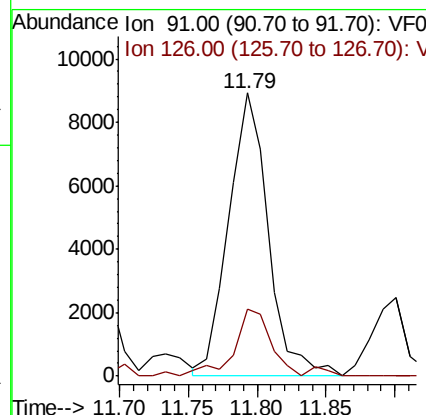
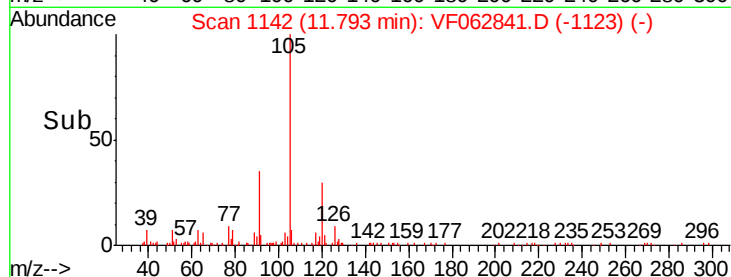
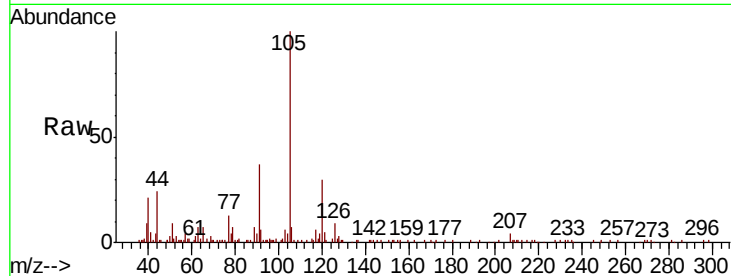




#79
 2-Chlorotoluene
 Concen: 1.754 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

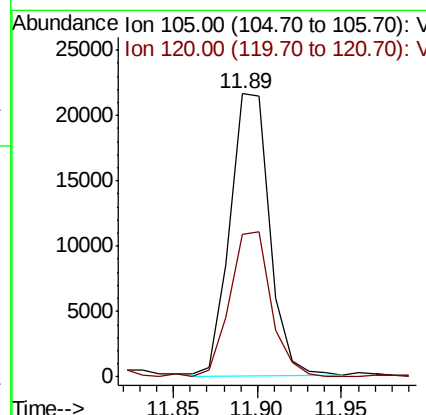
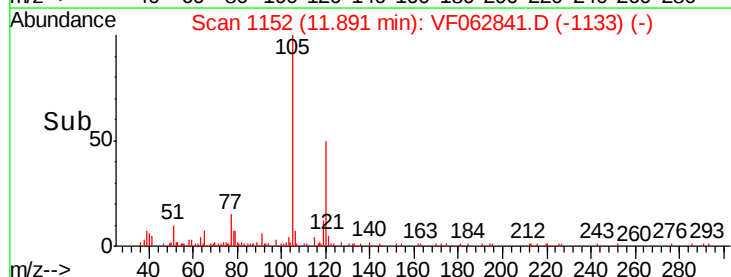
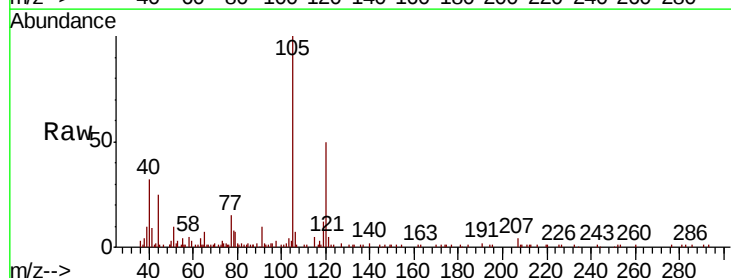
Instrument :
 MSVOA_F
 ClientSampleId :

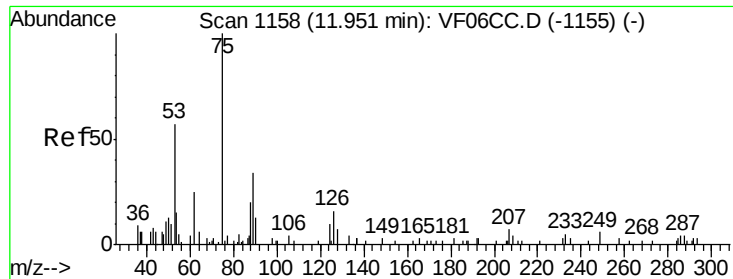
Tot Ion: 91 Resp: 17838
 Ion Ratio Lower Upper
 91 100
 126 23.6 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 2.924 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Tgt Ion: 105 Resp: 35200
 Ion Ratio Lower Upper
 105 100
 120 50.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 1.072 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampled :

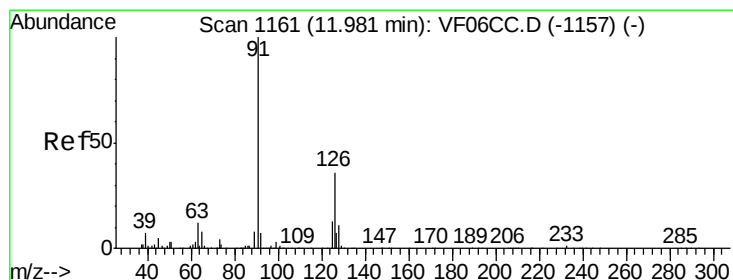
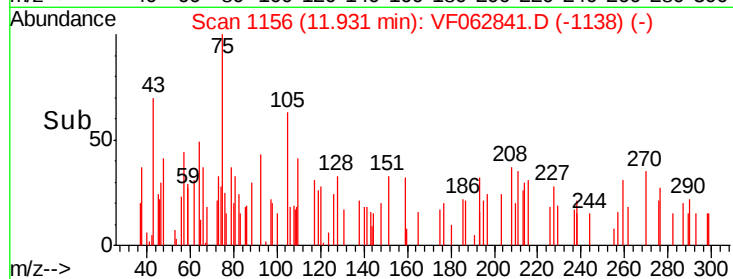
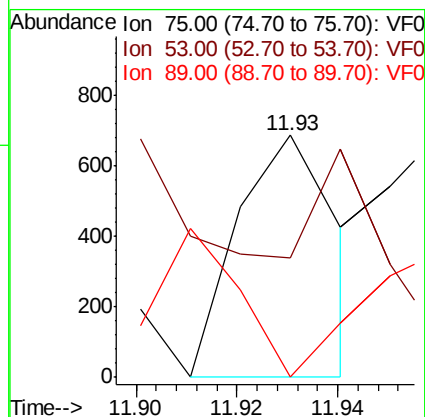
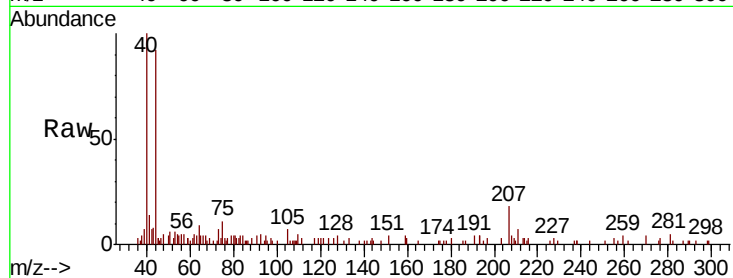
Tot Ion: 75 Resp: 946

Ion Ratio Lower Upper

75 100

53 49.2 43.5 65.3

89 0.0 34.3 51.5#



#82

4-Chlorotoluene

Concen: 1.191 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062841.D

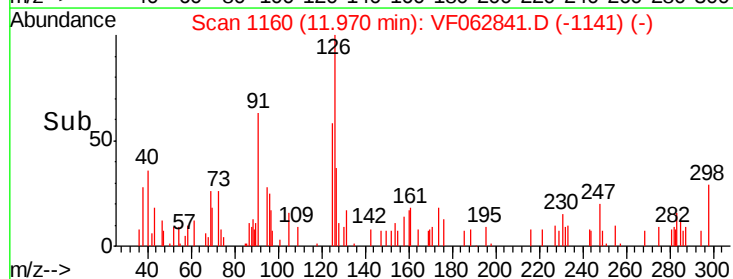
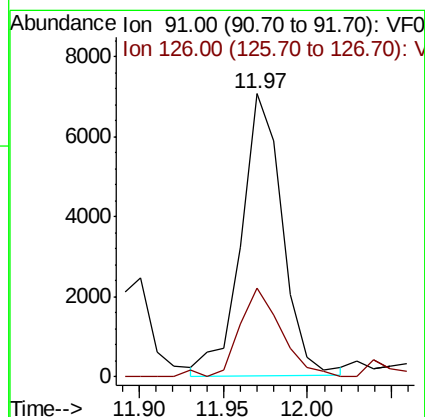
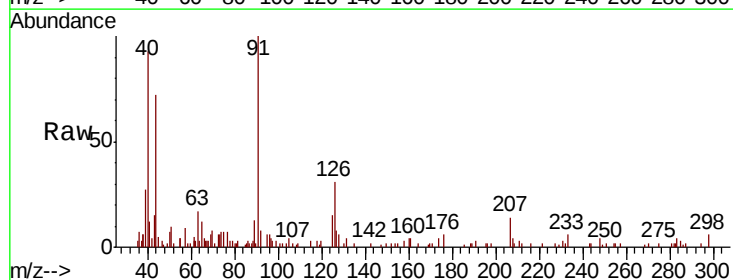
Acq: 4 Jun 2019 16:20

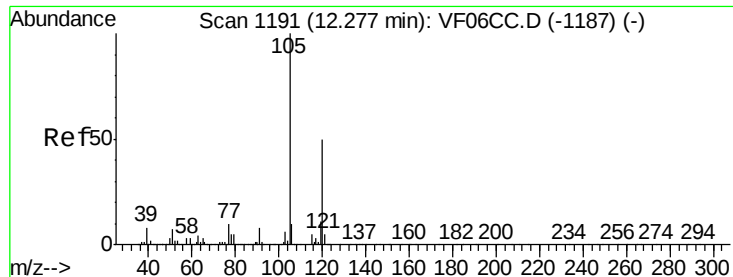
Tgt Ion: 91 Resp: 11899

Ion Ratio Lower Upper

91 100

126 31.2 19.1 57.1





#84

1,2,4-Trimethylbenzene

Concen: 7.641 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

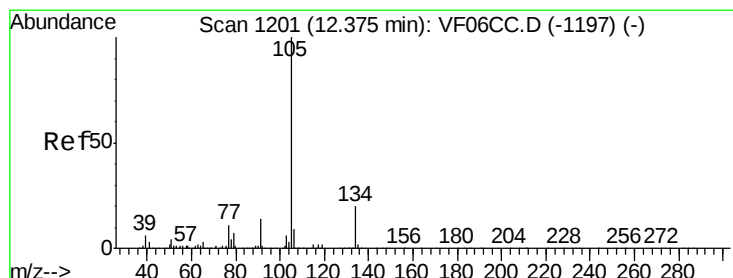
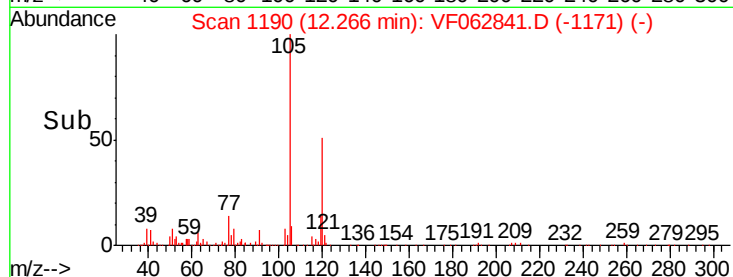
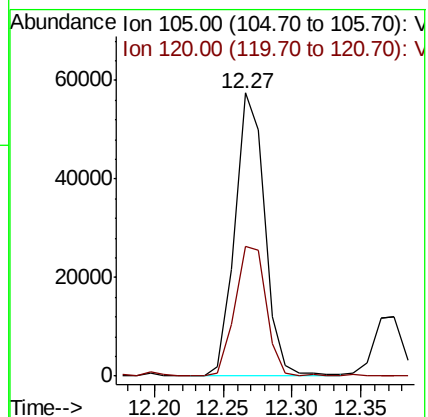
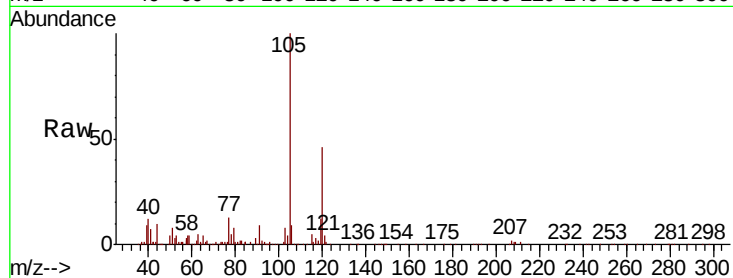
ClientSampleId :

Tot Ion:105 Resp: 87212

Ion Ratio Lower Upper

105 100

120 45.8 27.1 81.3



#85

sec-Butylbenzene

Concen: 1.164 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062841.D

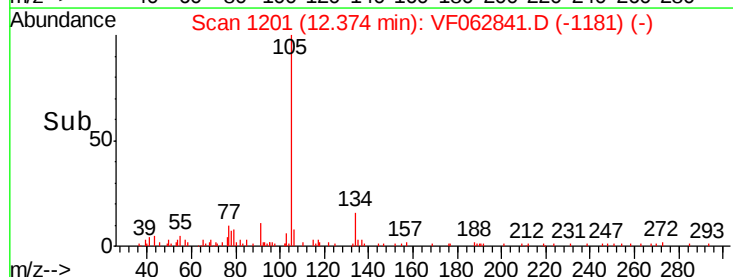
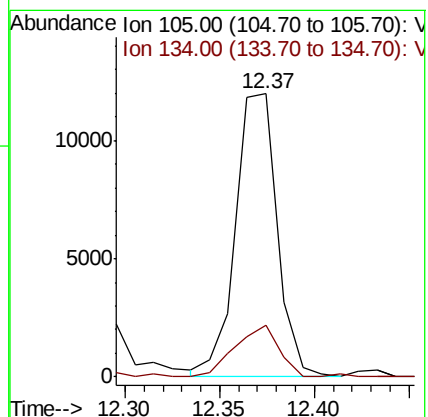
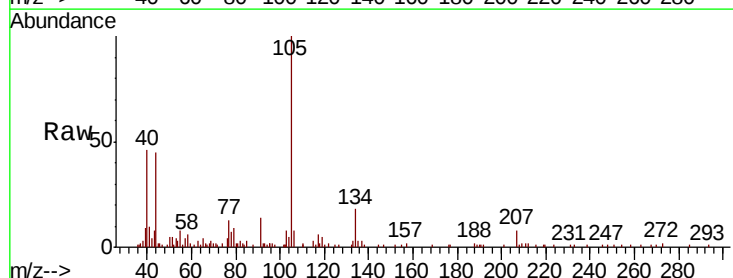
Acq: 4 Jun 2019 16:20

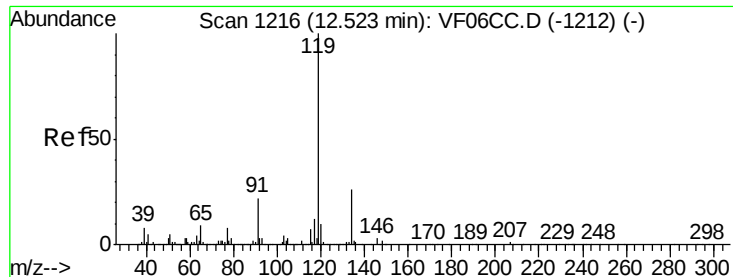
Tgt Ion:105 Resp: 18291

Ion Ratio Lower Upper

105 100

134 18.5 10.5 31.6

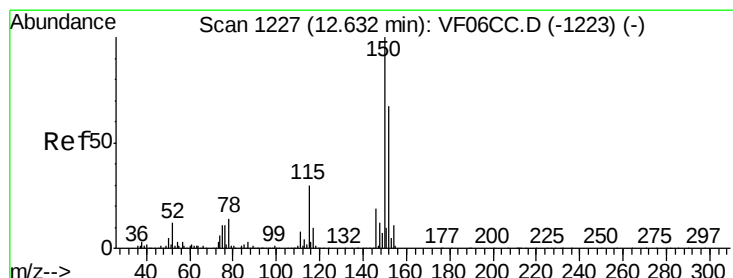
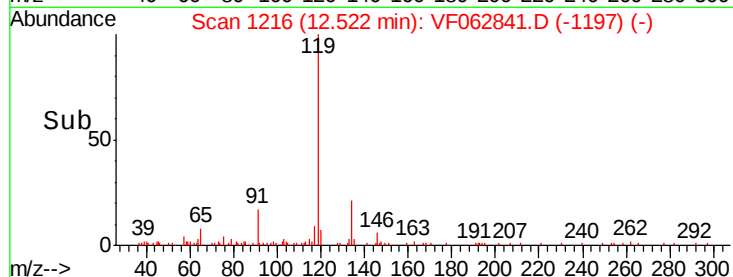
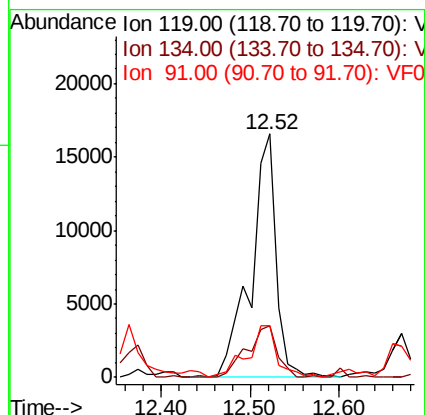
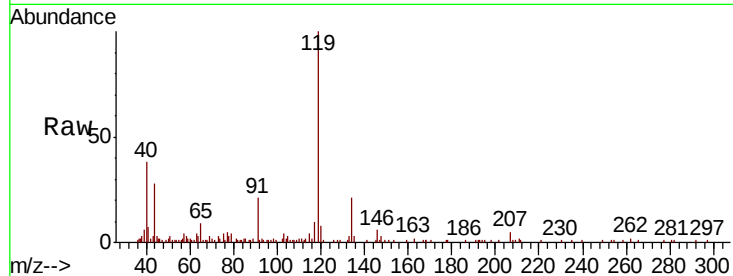




#86
 p-Isopropyltoluene
 Concen: 2.481 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

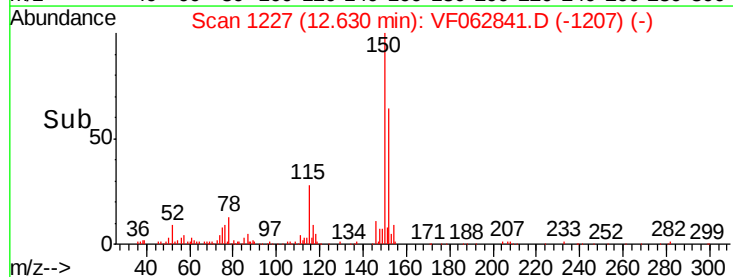
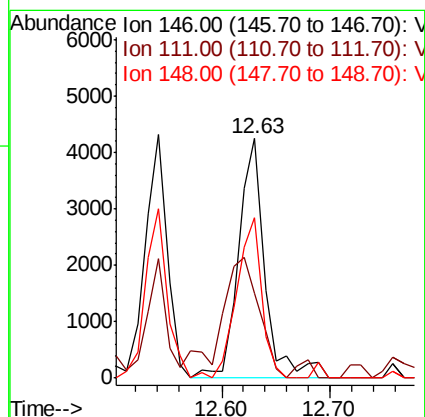
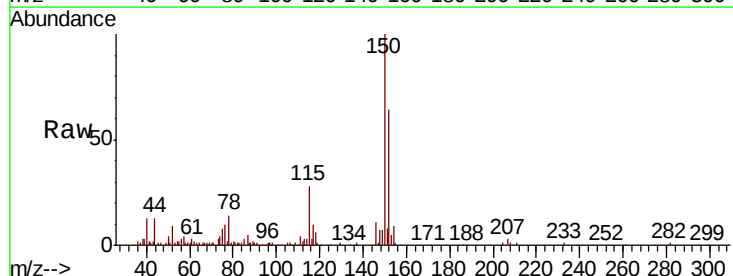
Instrument :
 MSVOA_F
 ClientSampleId :

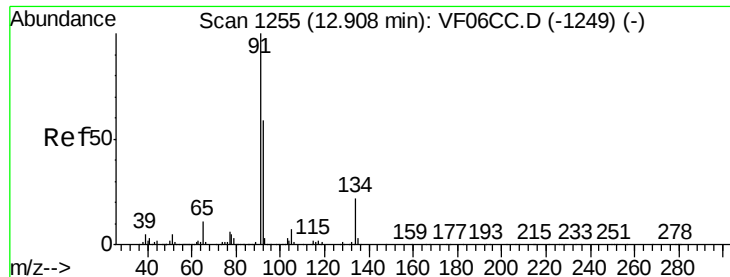
Tot Ion	Ratio	Lower	Upper
119	100		
134	21.0	15.5	46.5
91	21.1	10.3	30.9



#88
 1,4-Dichlorobenzene
 Concen: 1.194 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.3	60.9
148	66.9	34.0	101.8





#89

n-Butylbenzene

Concen: 1.419 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampled :

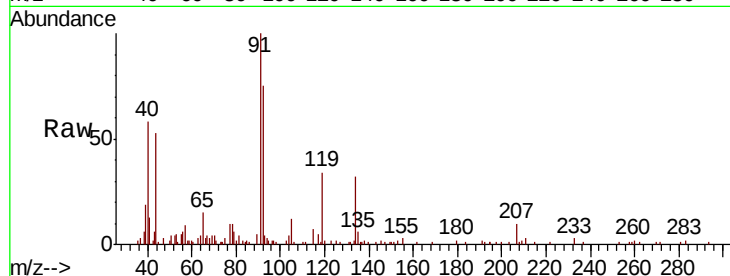
Tot Ion: 91 Resp: 18671

Ion Ratio Lower Upper

91 100

92 74.7 34.2 102.6

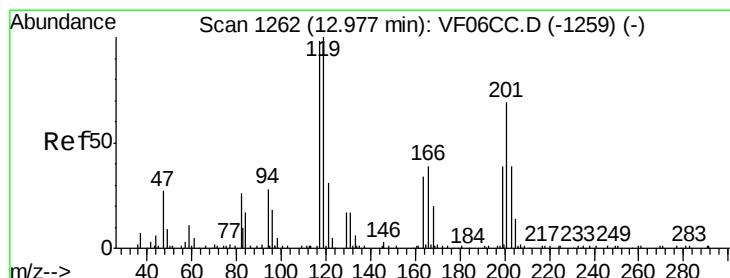
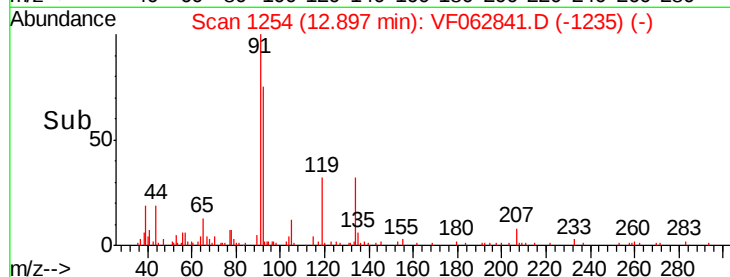
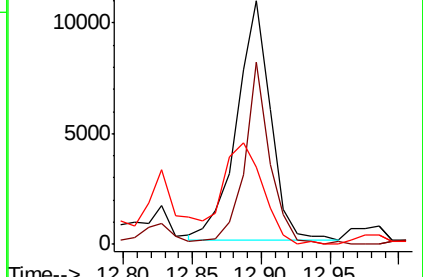
134 31.9 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 1.053 ug/l

RT: 12.98 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VF062841.D

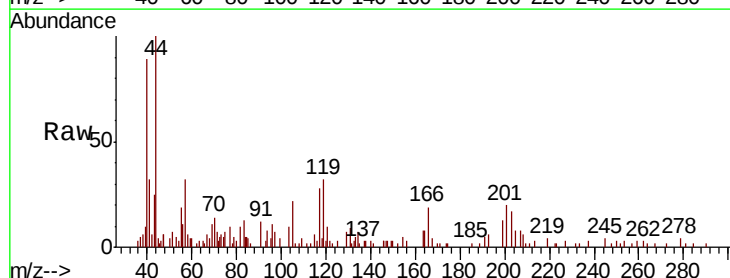
Acq: 4 Jun 2019 16:20

Tgt Ion: 117 Resp: 3359

Ion Ratio Lower Upper

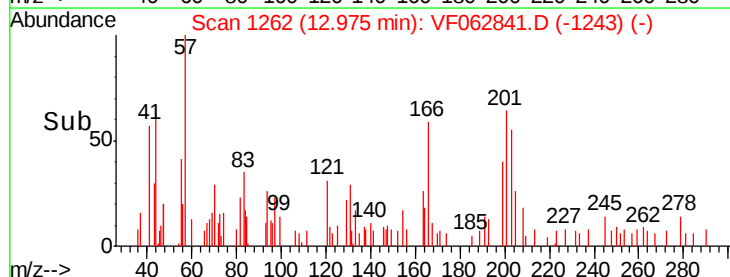
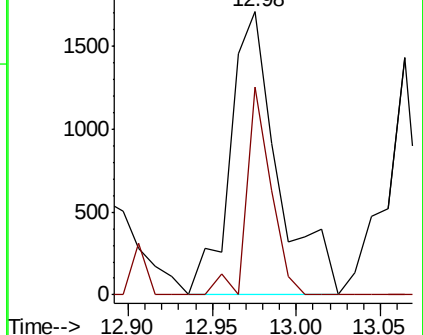
117 100

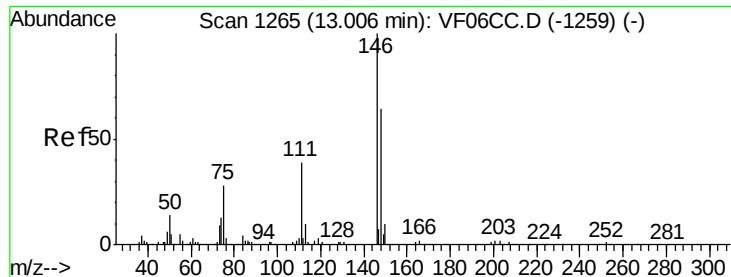
201 73.6 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 1.139 ug/l

RT: 13.00 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062841.D

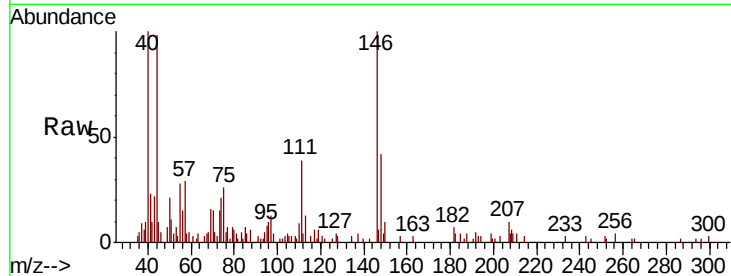
Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

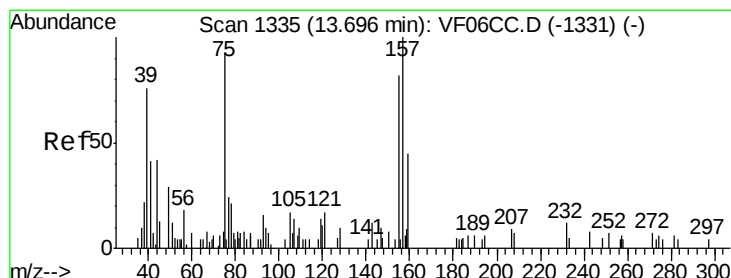
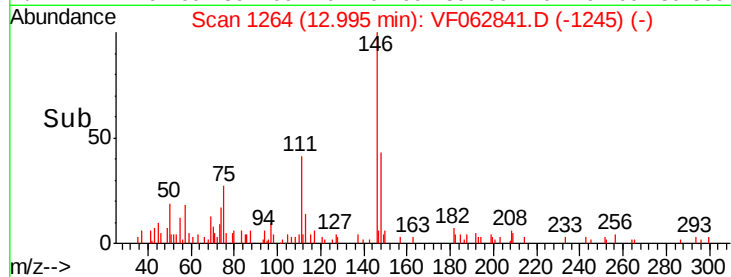
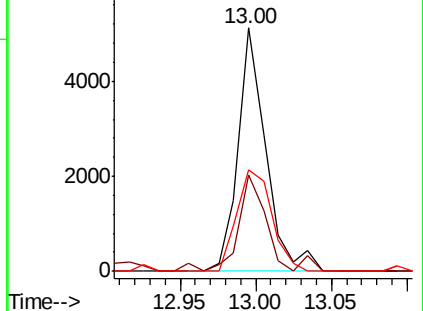
Tot Ion:	146	Resp:	6530
Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.4	61.3
148	41.9	34.1	102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.723 ug/l

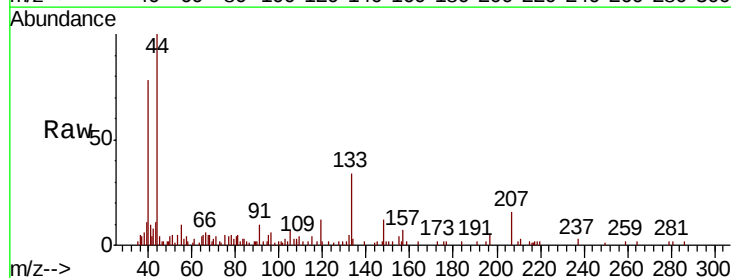
RT: 13.69 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

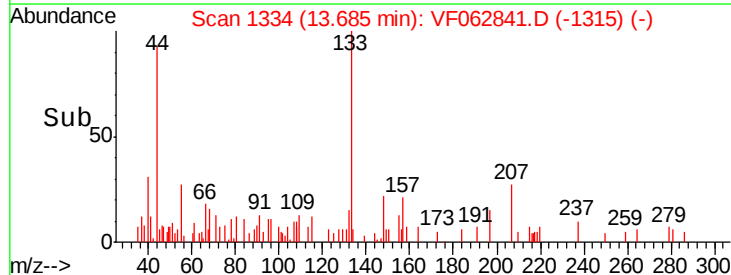
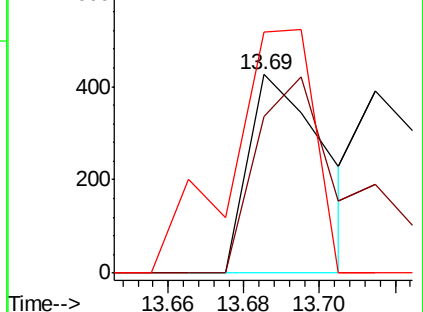
Tgt Ion:	75	Resp:	590
Ion	Ratio	Lower	Upper
75	100		
155	79.1	51.7	155.1
157	121.4	66.8	200.6

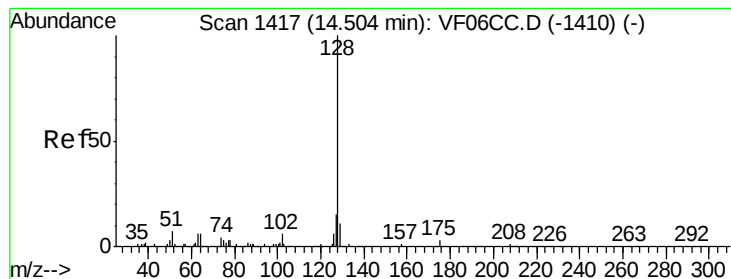


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#95

Naphthalene

Concen: 66.501 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

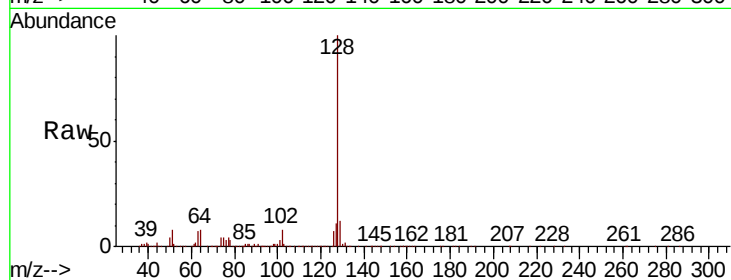
Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :



Tot Ion:128 Resp: 428873

Ion Ratio Lower Upper

128 100

127 11.2 9.7 14.5

129 12.0 9.4 14.2

