

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062838.D
 Acq On : 4 Jun 2019 14:56
 Operator : FY/SY
 Sample : VF0604SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:19:25 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	858652	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1442146	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	1092347	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	570268	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	348877	58.76	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	117.52%	
35) Dibromofluoromethane	4.31	113	612944	56.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.50%	
50) Toluene-d8	7.71	98	1526388	55.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.78%	
62) 4-Bromofluorobenzene	11.50	95	541810	54.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	235748	21.840	ug/l	99
3) Chloromethane	1.15	50	185787	20.911	ug/l	98
4) Vinyl Chloride	1.20	62	178611	20.230	ug/l	98
5) Bromomethane	1.41	94	107283	21.307	ug/l	98
6) Chloroethane	1.45	64	69410	21.027	ug/l	88
7) Trichlorofluoromethane	1.55	101	204023	16.323	ug/l	94
8) Diethyl Ether	1.71	74	51179	20.813	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.93	101	172543	21.958	ug/l	96
10) Methyl Iodide	1.99	142	267523	16.979	ug/l	97
11) Tert butyl alcohol	2.70	59	43564	121.113	ug/l	98
12) 1,1-Dichloroethene	1.88	96	157318	22.047	ug/l	92
13) Acrolein	2.10	56	11851	76.804	ug/l #	56
14) Allyl chloride	2.20	41	129892	23.465	ug/l	93
15) Acrylonitrile	3.09	53	166426	123.134	ug/l	98
16) Acetone	2.35	43	132668	97.622	ug/l	93
17) Carbon Disulfide	1.93	76	433098	20.767	ug/l	96
18) Methyl Acetate	2.46	43	54950	23.139	ug/l #	87
19) Methyl tert-butyl Ether	2.55	73	305059	23.598	ug/l	100
20) Methylene Chloride	2.34	84	100889	12.591	ug/l	97
21) trans-1,2-Dichloroethene	2.42	96	164025	22.927	ug/l	98
22) Diisopropyl ether	2.94	45	327748	20.839	ug/l	98
23) Vinyl Acetate	3.35	43	1230439	114.279	ug/l	98
24) 1,1-Dichloroethane	3.01	63	264699	22.542	ug/l	97
25) 2-Butanone	4.53	43	343771	108.624	ug/l	98
26) 2,2-Dichloropropane	3.78	77	152616	22.890	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	265113	22.045	ug/l	95
28) Bromochloromethane	3.90	49	136714	21.404	ug/l	88
29) Tetrahydrofuran	4.27	42	146085	120.687	ug/l	98
30) Chloroform	4.06	83	374144	22.607	ug/l	100
31) Cyclohexane	3.88	56	210722	13.255	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	201031	20.863	ug/l	98
36) 1,1-Dichloropropene	4.48	75	291068	21.924	ug/l	99
37) Ethyl Acetate	4.31	43	119636	23.573	ug/l	94
38) Carbon Tetrachloride	4.18	117	211169	23.535	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	360217	21.800	ug/l	96
40) Benzene	4.83	78	873119	22.597	ug/l	97
41) Methacrylonitrile	4.94	41	61390	21.759	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	163851	22.296	ug/l	90
43) Isopropyl Acetate	7.12	43	151235	22.558	ug/l #	93
44) Trichloroethene	5.69	130	240311	22.037	ug/l	92
45) 1,2-Dichloropropane	6.41	63	208366	21.489	ug/l	97
46) Dibromomethane	6.26	93	131666	23.258	ug/l	99
47) Bromodichloromethane	6.56	83	260569	22.601	ug/l	94
48) Methyl methacrylate	6.89	41	76284	22.079	ug/l	91
49) 1,4-Dioxane	6.88	88	19088	419.128	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	593288	123.953	ug/l	93
52) Toluene	7.78	92	463159	22.255	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	216657	22.678	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	311474	22.523	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	139713	22.471	ug/l	94
56) Ethyl methacrylate	8.76	69	158888	23.818	ug/l	97
57) 1,3-Dichloropropane	9.00	76	237478	23.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	239797	102.853	ug/l	99
59) 2-Hexanone	9.63	43	435788	127.738	ug/l	96
60) Dibromochloromethane	8.87	129	173071	22.484	ug/l	92
61) 1,2-Dibromoethane	9.13	107	156434	24.227	ug/l	95
64) Tetrachloroethene	8.31	164	188185	22.419	ug/l	91
65) Chlorobenzene	9.93	112	464275	22.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	181251	21.574	ug/l	98
67) Ethyl Benzene	10.03	91	789689	21.815	ug/l	97
68) m/p-Xylenes	10.26	106	639382	46.157	ug/l	86
69) o-Xylene	10.82	106	324979	23.171	ug/l	94
70) Styrene	10.89	104	484477	23.436	ug/l	98
71) Bromoform	10.88	173	92752	23.014	ug/l #	94
73) Isopropylbenzene	11.21	105	842456	21.172	ug/l	96
74) N-amyl acetate	11.45	43	247859	22.101	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	193384	22.758	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	122781	21.798	ug/l	88
77) Bromobenzene	11.58	156	211706	21.175	ug/l	82
78) n-propylbenzene	11.67	91	1039686	21.640	ug/l	91
79) 2-Chlorotoluene	11.79	91	571729	20.797	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	694585	21.345	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	66141	27.736	ug/l	92
82) 4-Chlorotoluene	11.97	91	582445	21.559	ug/l	94
83) tert-Butylbenzene	12.20	119	687204	21.313	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	700654	22.710	ug/l	95
85) sec-Butylbenzene	12.37	105	938752	22.095	ug/l	97
86) p-Isopropyltoluene	12.51	119	767847	21.712	ug/l	93
87) 1,3-Dichlorobenzene	12.53	146	398624	22.608	ug/l	94
88) 1,4-Dichlorobenzene	12.62	146	370839	22.536	ug/l	97
89) n-Butylbenzene	12.90	91	812829	22.849	ug/l	92
90) Hexachloroethane	12.97	117	195045	22.613	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	357633	23.076	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	22491	24.294	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

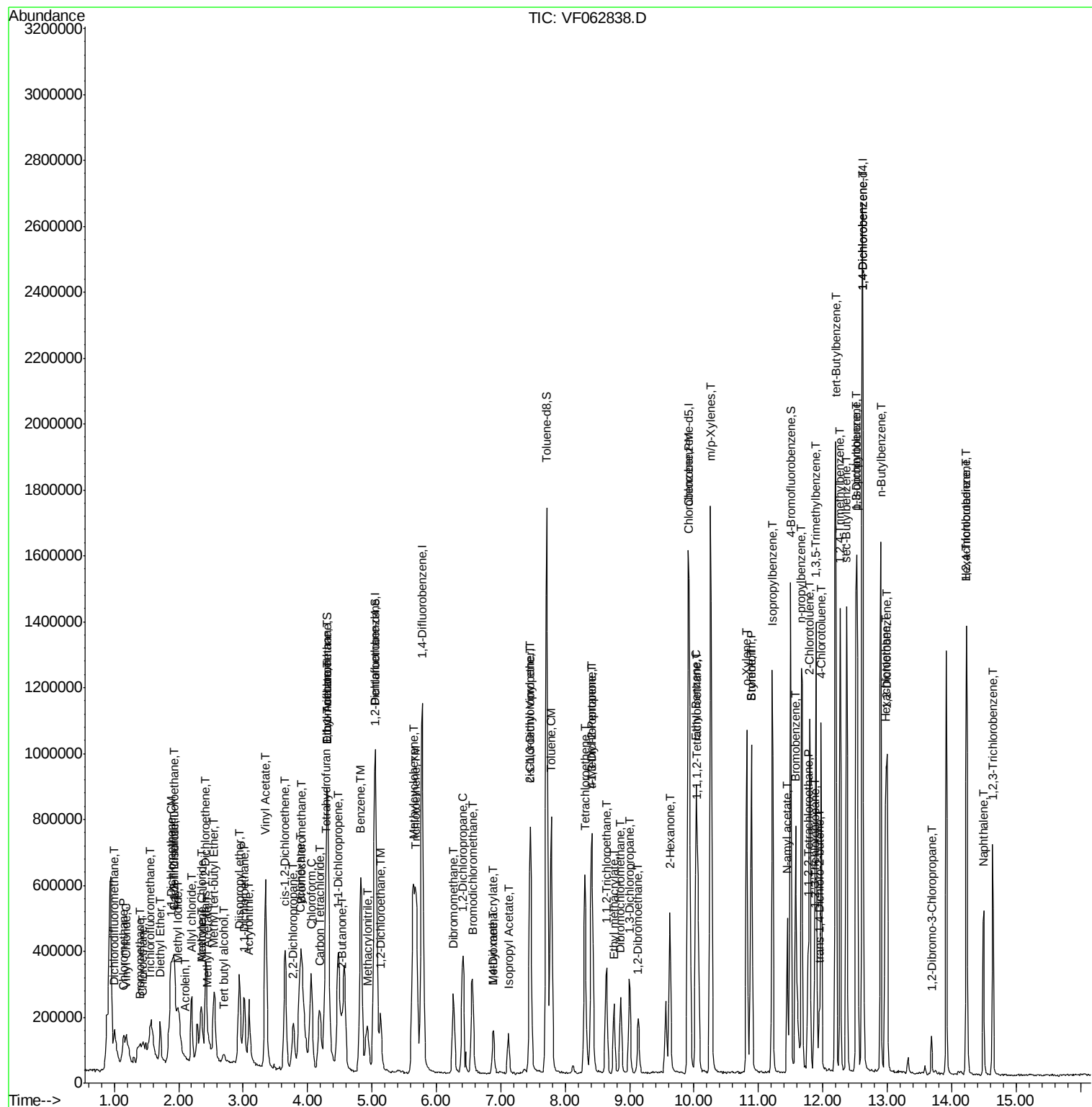
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	220417	20.714	ug/l	98
94) Hexachlorobutadiene	14.23	225	151353	20.560	ug/l	98
95) Naphthalene	14.50	128	371697	21.321	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	208037	21.418	ug/l	93

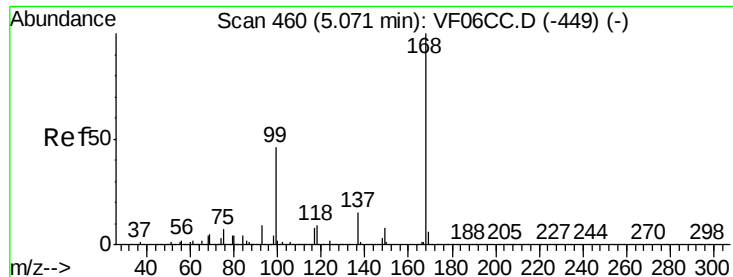
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

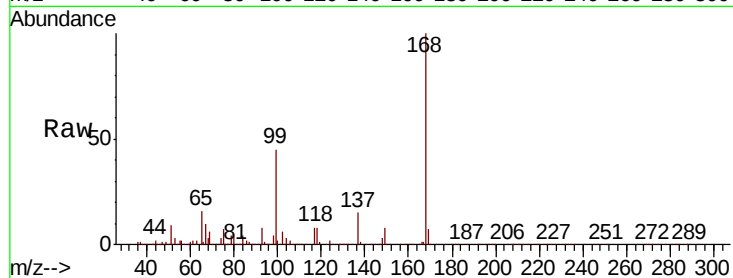
ClientSampleId :

Tot Ion:168 Resp: 858652

Ion Ratio Lower Upper

168 100

99 45.2 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

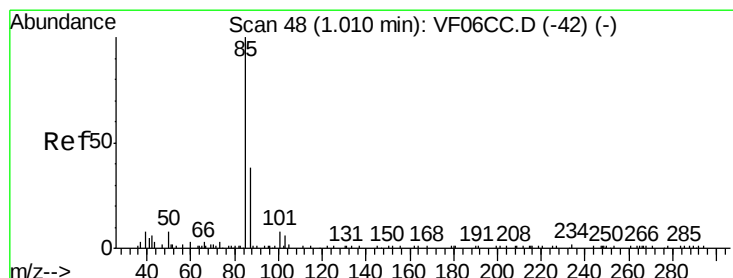
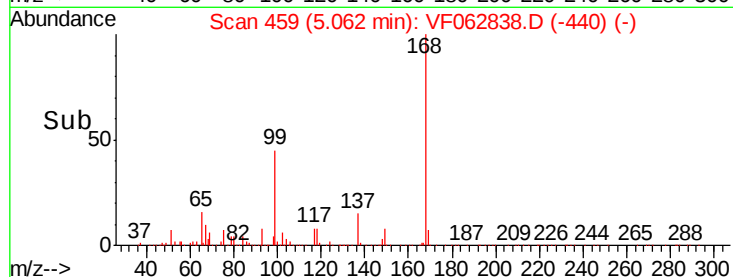
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.840 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062838.D

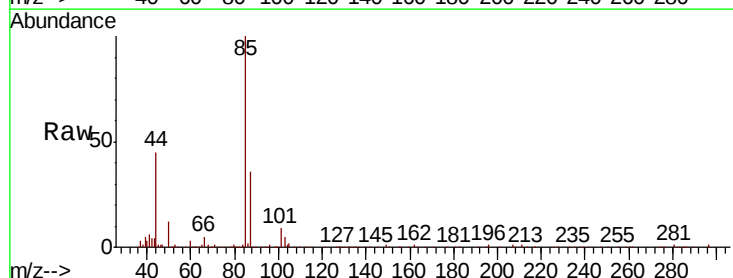
Acq: 4 Jun 2019 14:56

Tgt Ion: 85 Resp: 235748

Ion Ratio Lower Upper

85 100

87 35.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

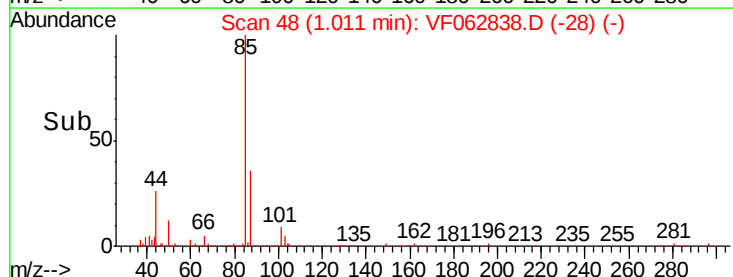
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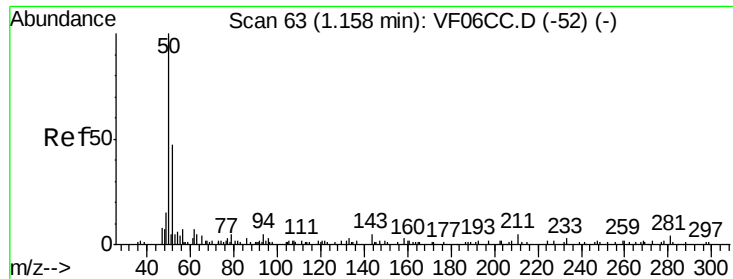
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.911 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

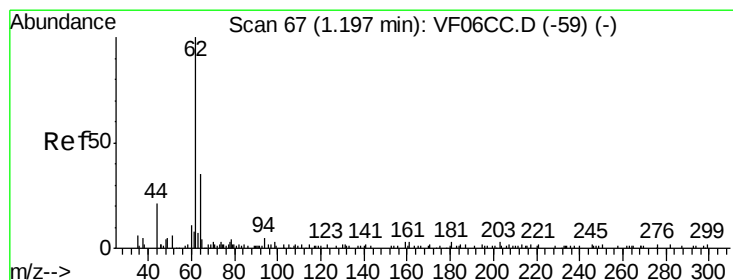
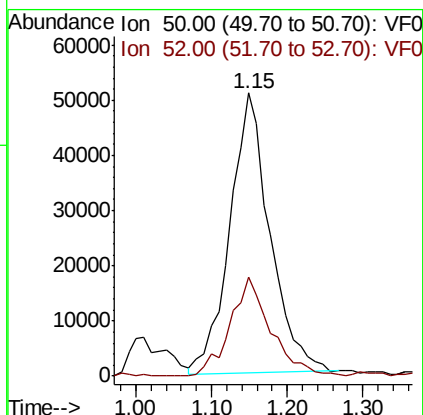
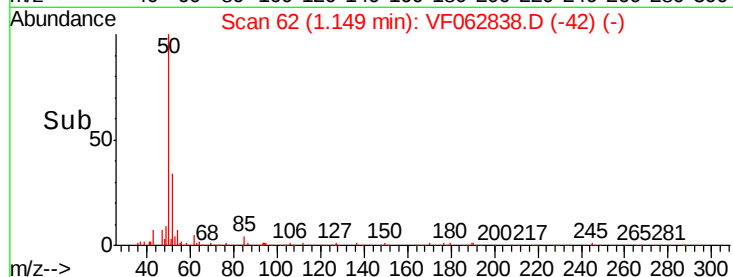
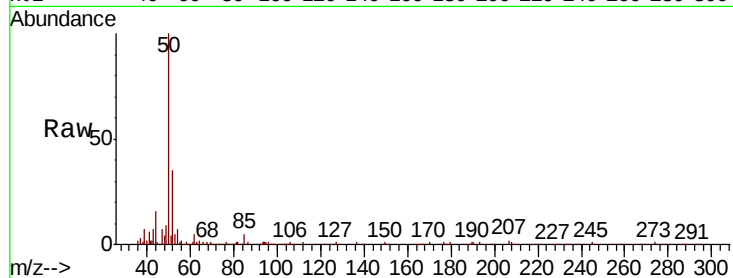
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 185787

Ion Ratio Lower Upper

50 100

52 35.1 27.0 40.4



#4

Vinyl Chloride

Concen: 20.230 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062838.D

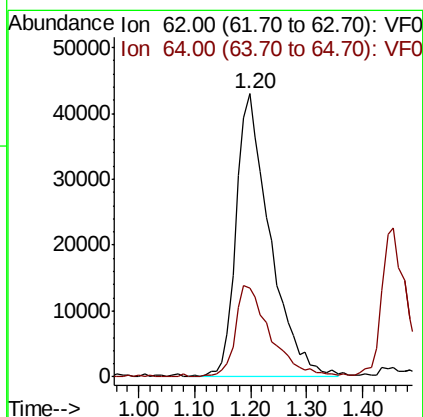
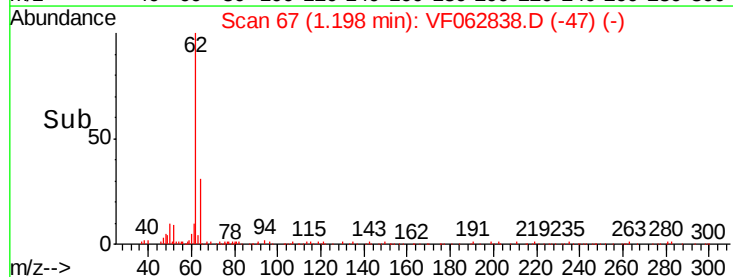
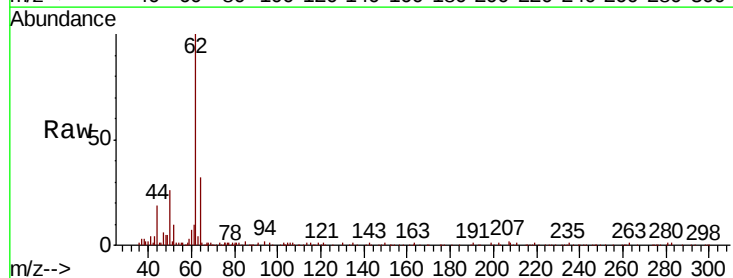
Acq: 4 Jun 2019 14:56

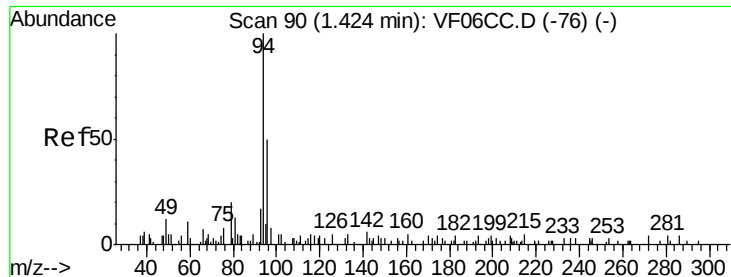
Tgt Ion: 62 Resp: 178611

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 21.307 ug/l

RT: 1.41 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

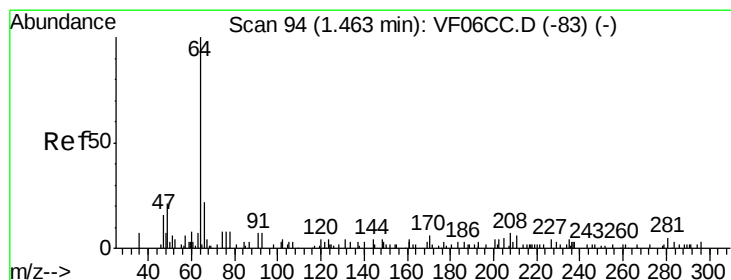
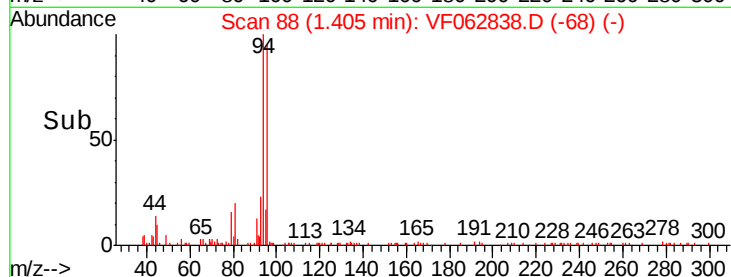
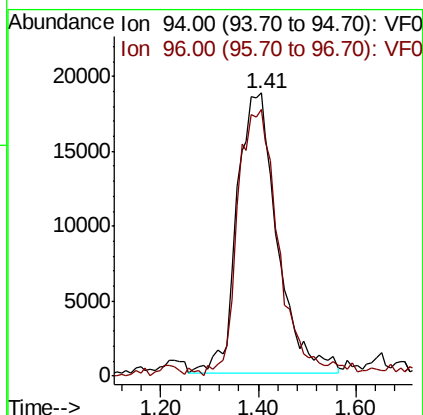
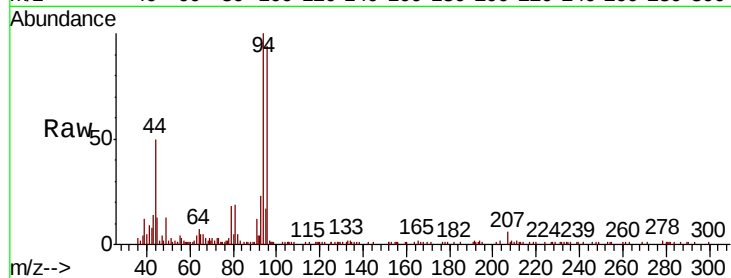
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 107283

Ion Ratio Lower Upper

94 100

96 94.4 73.8 110.6



#6

Chloroethane

Concen: 21.027 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062838.D

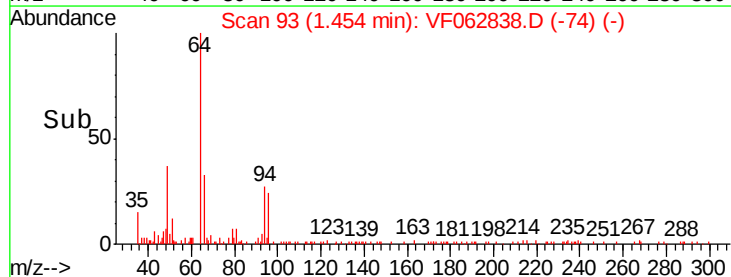
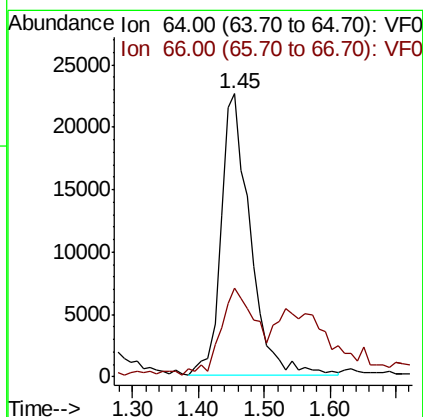
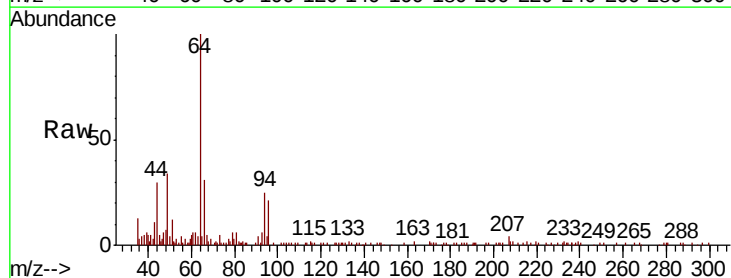
Acq: 4 Jun 2019 14:56

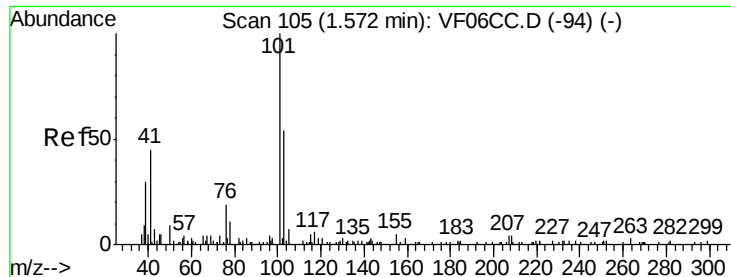
Tgt Ion: 64 Resp: 69410

Ion Ratio Lower Upper

64 100

66 31.4 31.0 46.4



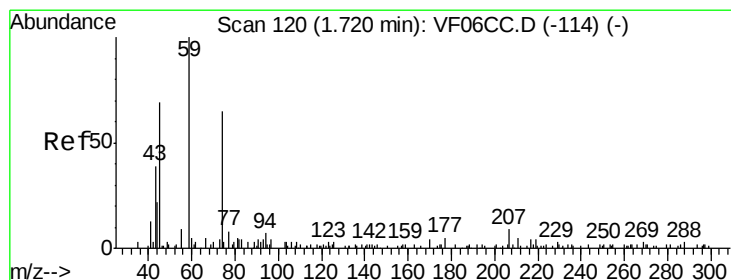
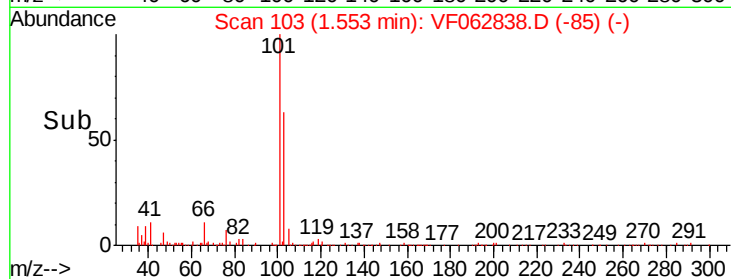
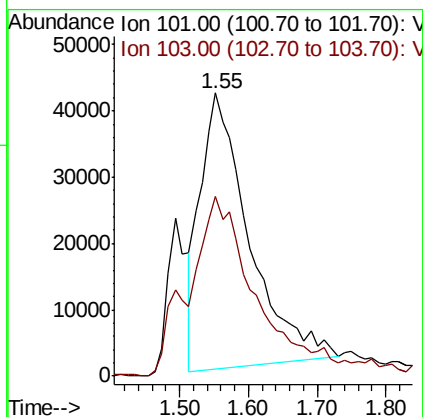
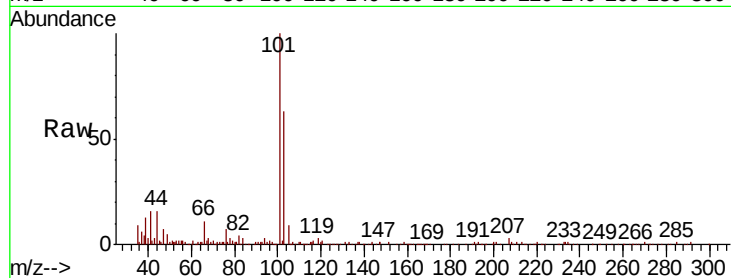


#7

Trichlorofluoromethane
Concen: 16.323 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :

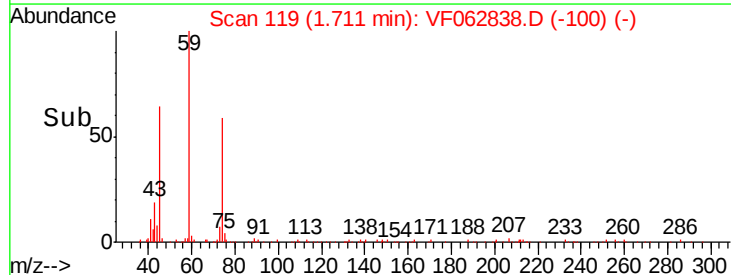
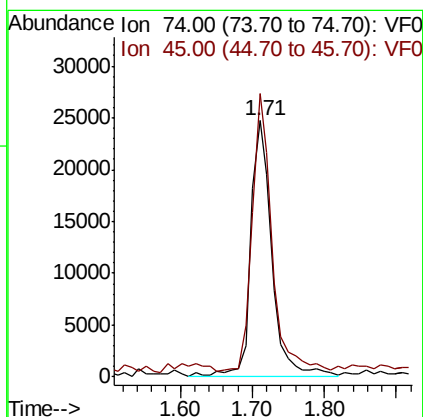
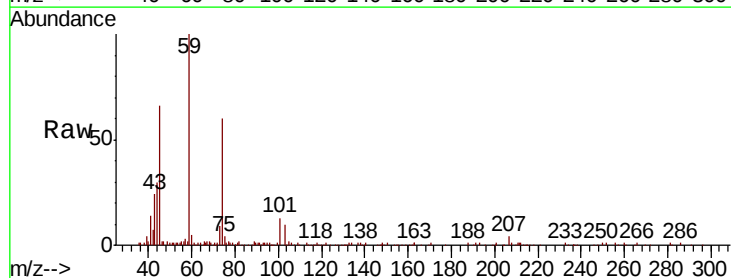
Tot Ion:101 Resp: 204023
Ion Ratio Lower Upper
101 100
103 63.3 54.6 82.0

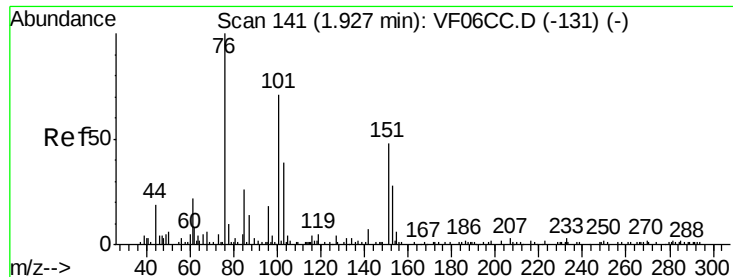


#8

Diethyl Ether
Concen: 20.813 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 74 Resp: 51179
Ion Ratio Lower Upper
74 100
45 110.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.958 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

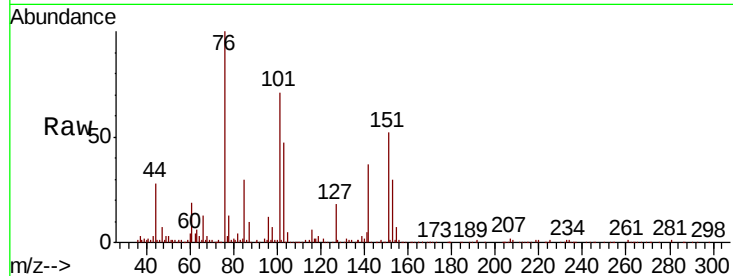
Tot Ion:101 Resp: 172543

Ion Ratio Lower Upper

101 100

85 41.6 37.1 55.7

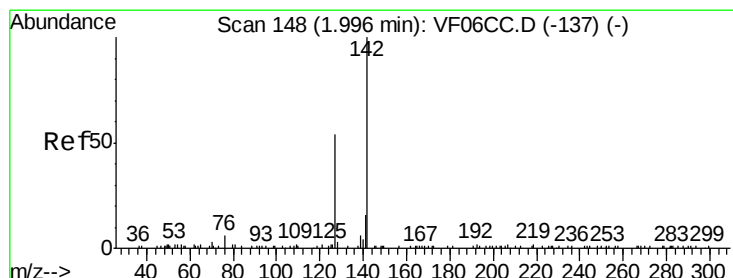
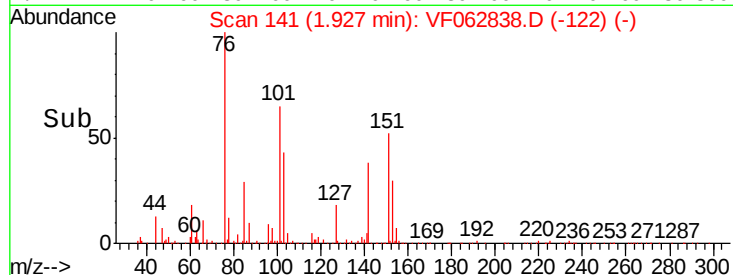
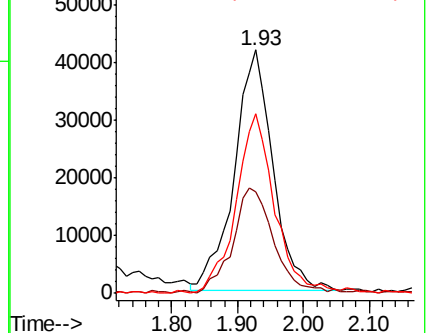
151 73.8 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 16.979 ug/l

RT: 1.99 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

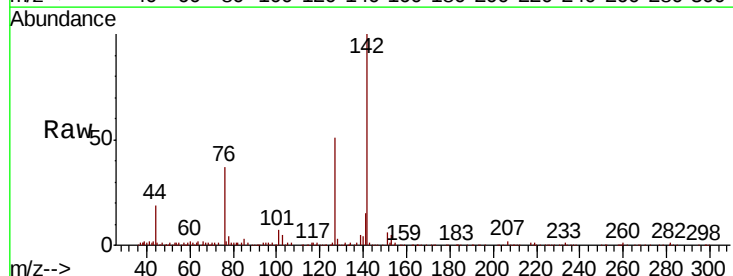
Tgt Ion:142 Resp: 267523

Ion Ratio Lower Upper

142 100

127 51.4 39.4 59.2

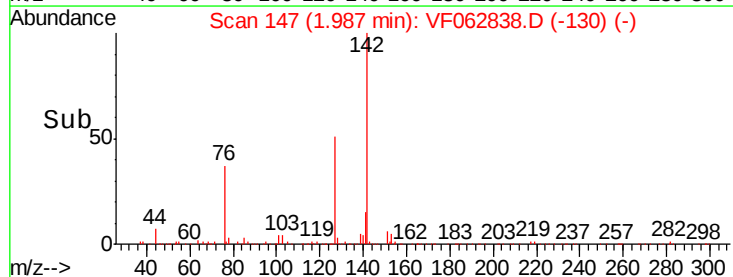
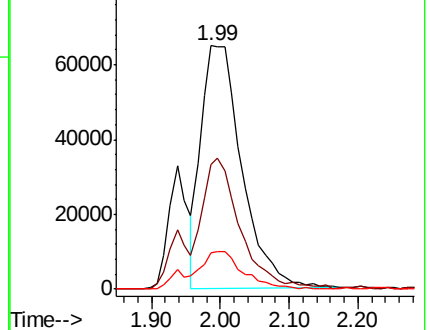
141 15.1 10.6 15.8

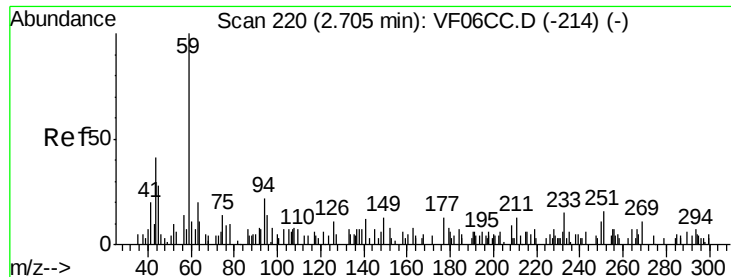


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



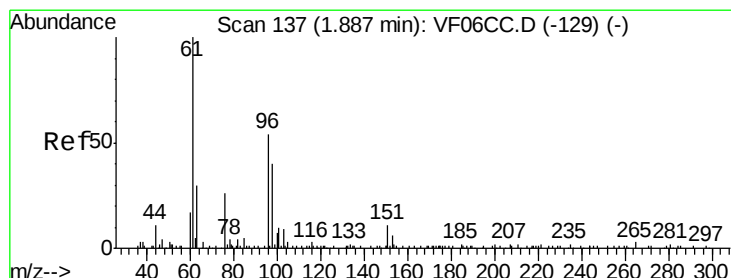
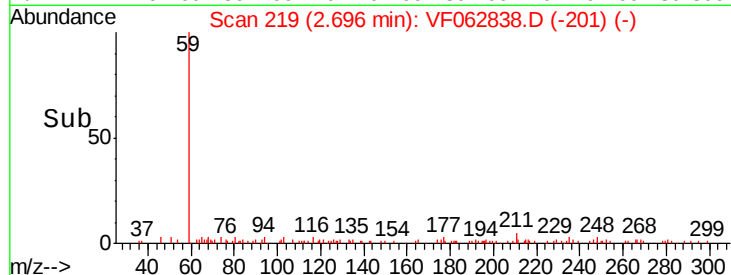
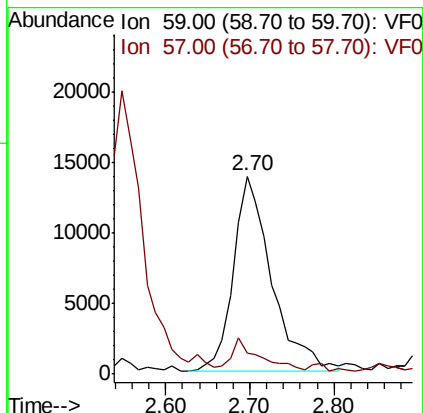
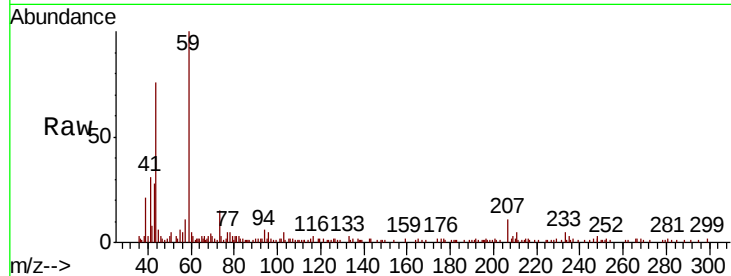


#11

Tert butyl alcohol
 Concen: 121.113 ug/l
 RT: 2.70 min Scan# 219
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Instrument :
 MSVOA_F
 ClientSampled :

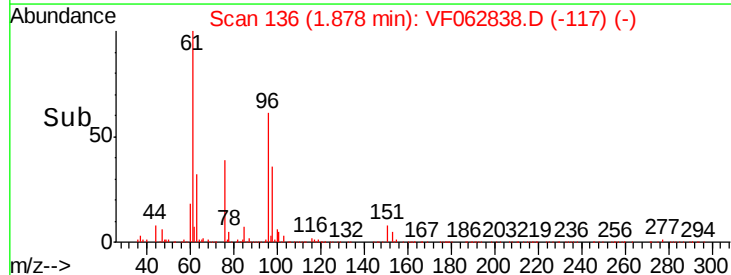
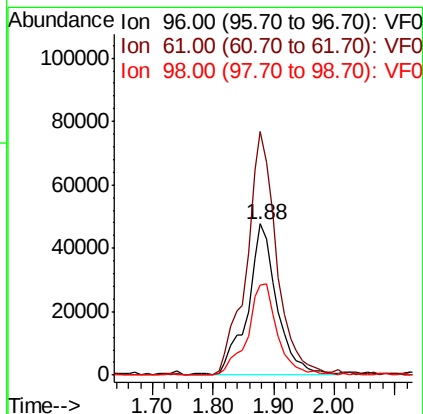
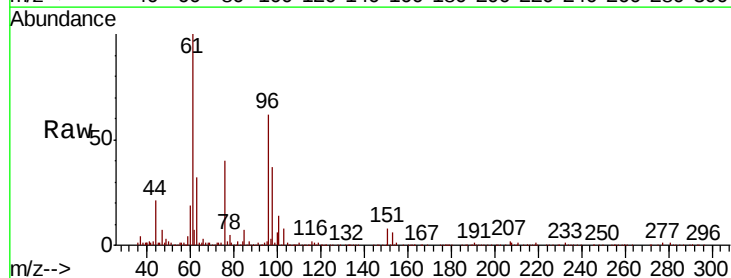
Tot Ion: 59 Resp: 43564
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.2 13.8

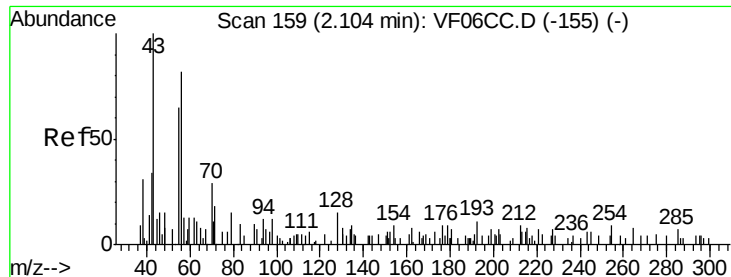


#12

1,1-Dichloroethene
 Concen: 22.047 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion: 96 Resp: 157318
 Ion Ratio Lower Upper
 96 100
 61 161.3 139.4 209.2
 98 59.4 50.3 75.5





#13

Acrolein

Concen: 76.804 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

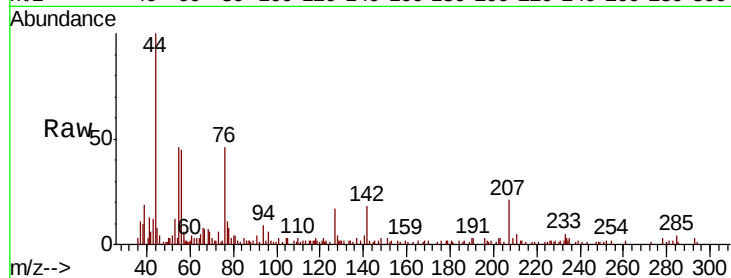
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 11851

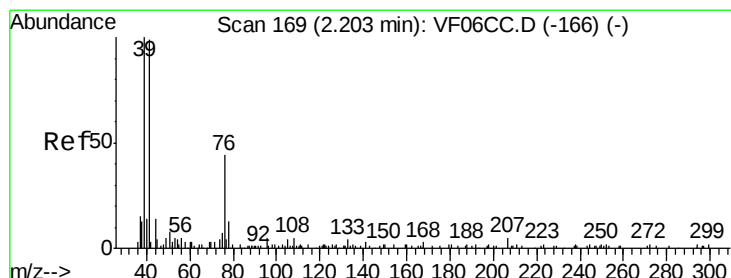
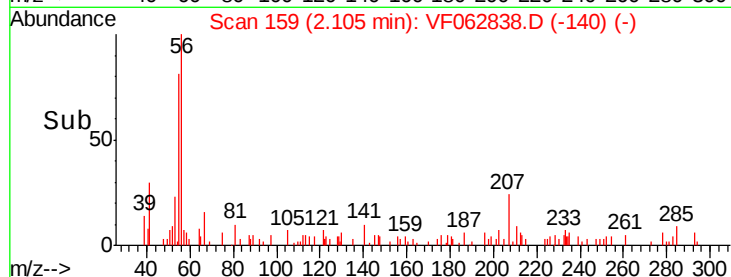
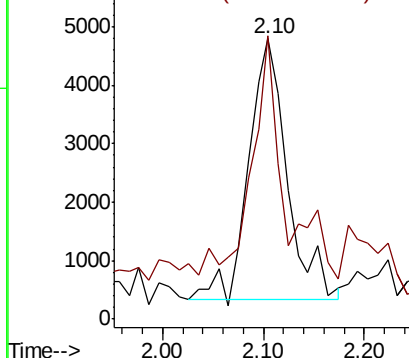
Ion Ratio Lower Upper

56 100

55 100.9 52.9 79.3#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.465 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

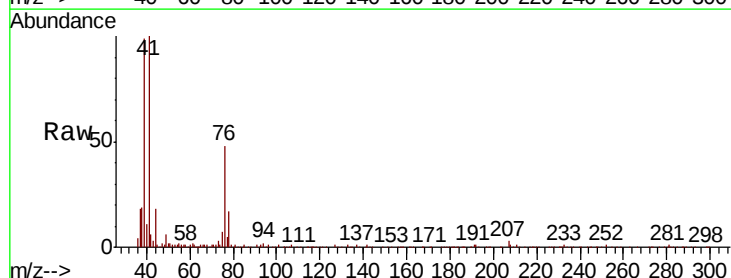
Tgt Ion: 41 Resp: 129892

Ion Ratio Lower Upper

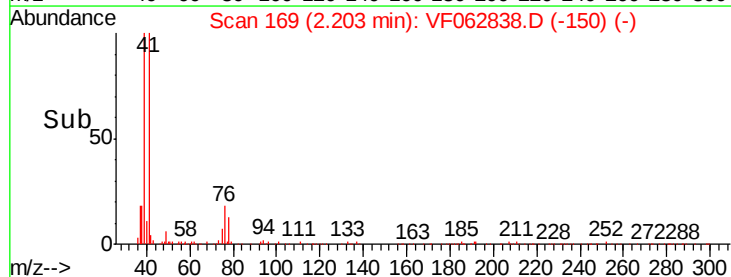
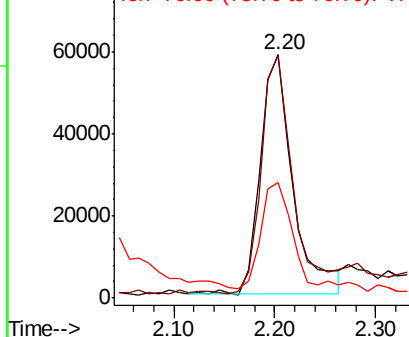
41 100

39 99.3 71.9 107.9

76 47.6 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 123.134 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :

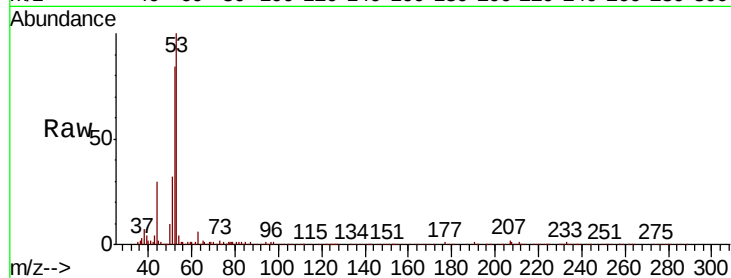
Tot Ion: 53 Resp: 166426

Ion Ratio Lower Upper

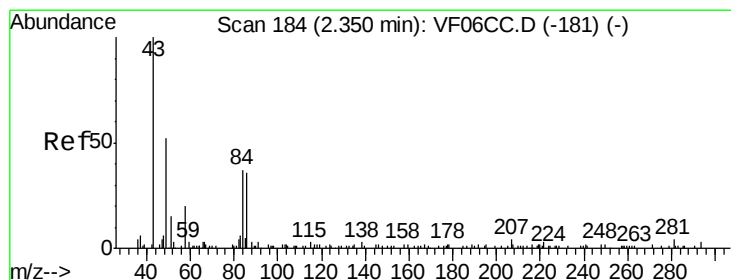
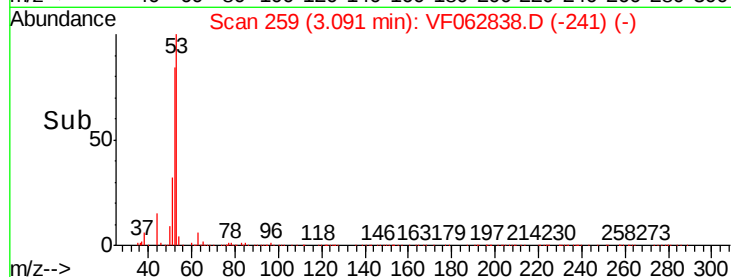
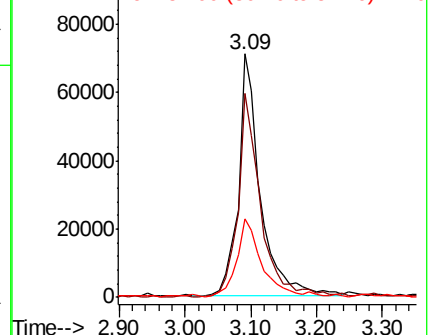
53 100

52 83.7 68.1 102.1

51 32.5 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 97.622 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062838.D

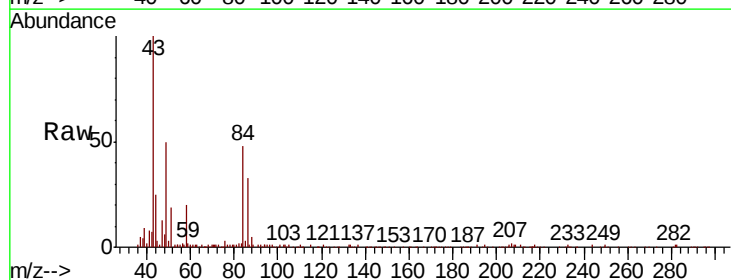
Acq: 4 Jun 2019 14:56

Tgt Ion: 43 Resp: 132668

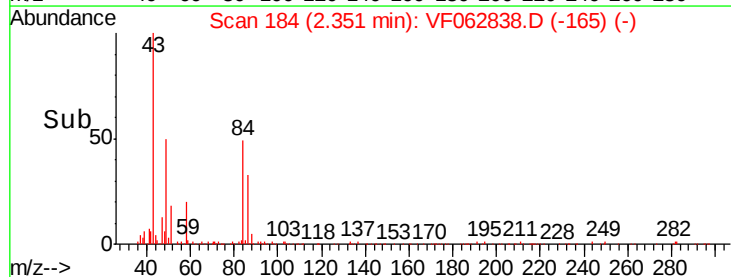
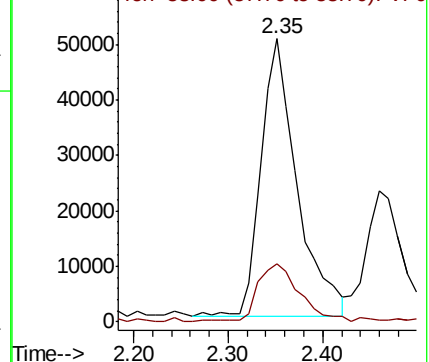
Ion Ratio Lower Upper

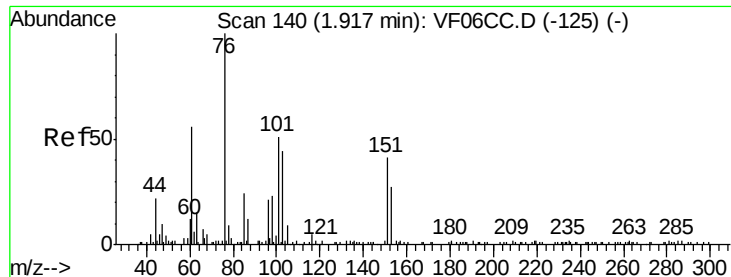
43 100

58 20.4 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

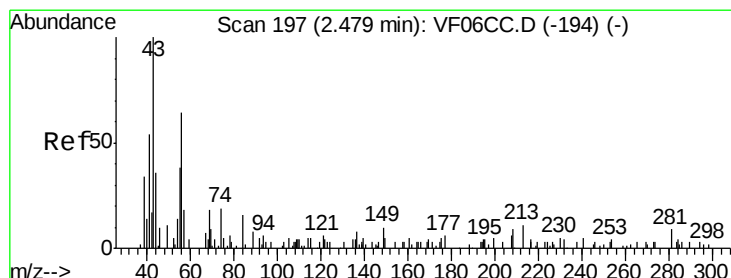
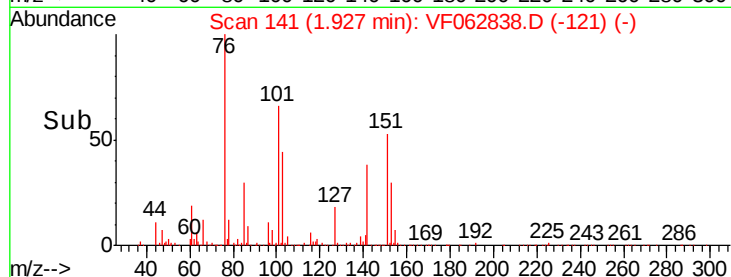
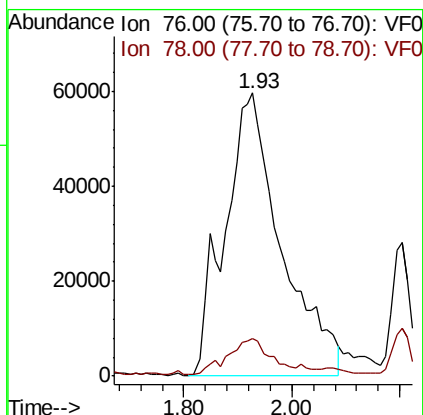
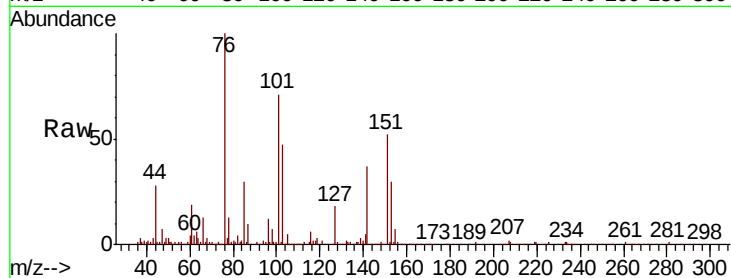




#17
Carbon Disulfide
Concen: 20.767 ug/l
RT: 1.93 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

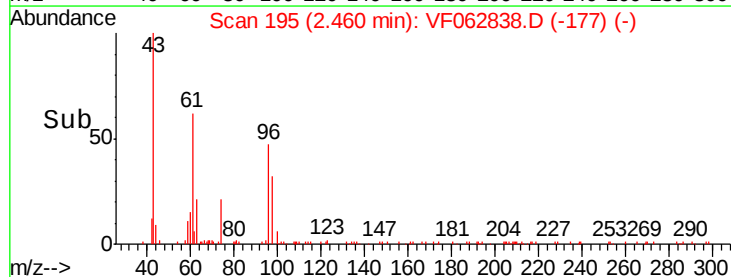
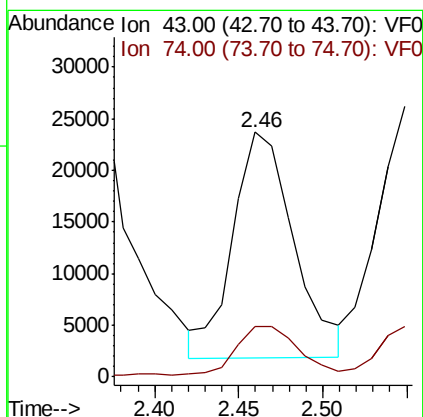
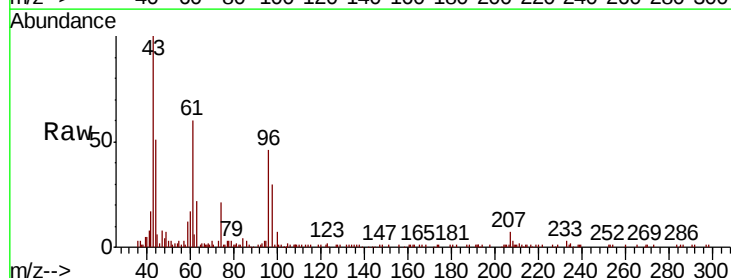
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 433098
Ion Ratio Lower Upper
76 100
78 13.3 9.4 14.2



#18
Methyl Acetate
Concen: 23.139 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 43 Resp: 54950
Ion Ratio Lower Upper
43 100
74 20.8 22.1 33.1#

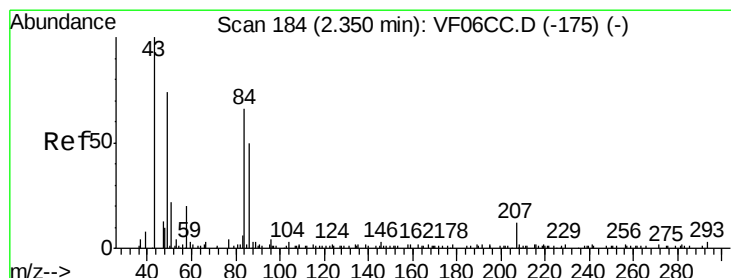
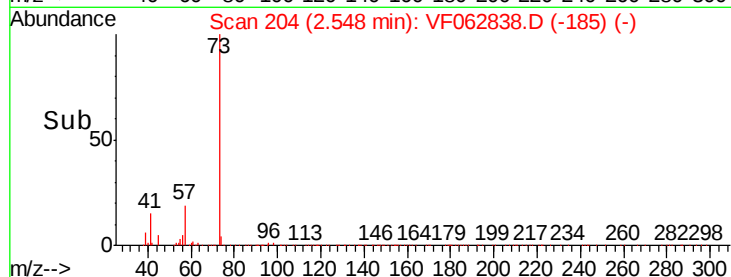
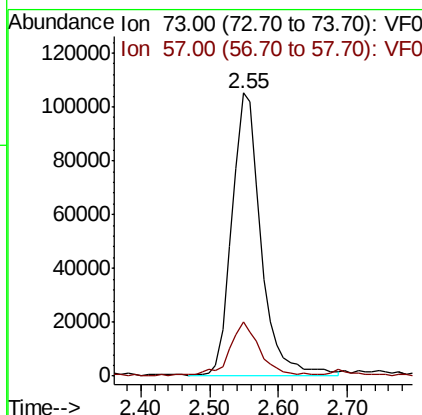
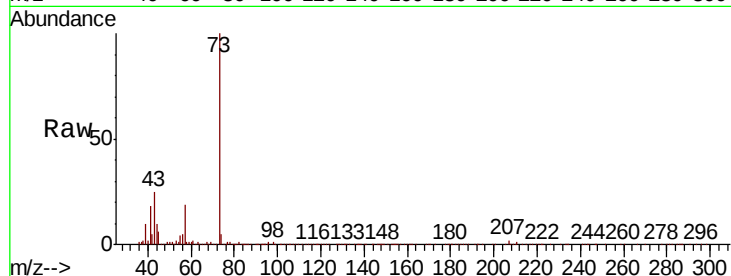




#19
Methvl tert-butvl Ether
Concen: 23.598 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

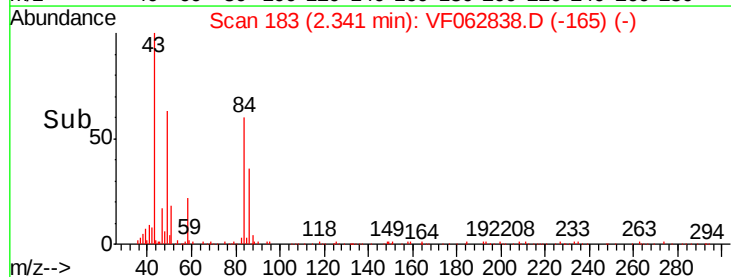
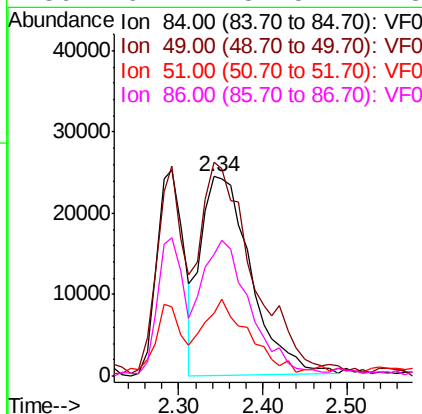
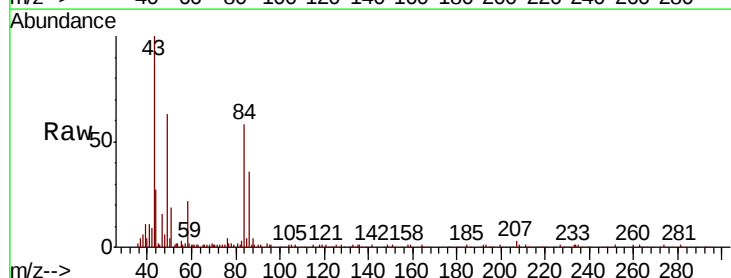
Instrument :
MSVOA_F
ClientSampleId :

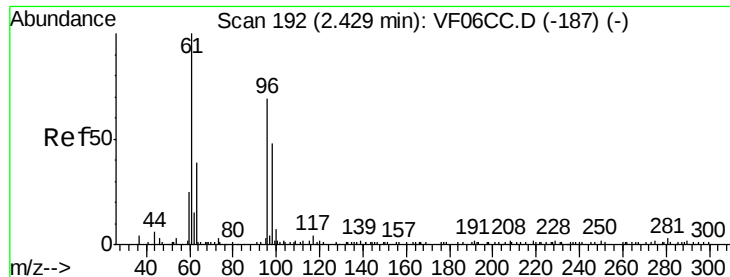
Tot Ion: 73 Resp: 305059
Ion Ratio Lower Upper
73 100
57 19.1 15.1 22.7



#20
Methylene Chloride
Concen: 12.591 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 84 Resp: 100889
Ion Ratio Lower Upper
84 100
49 107.0 82.6 123.8
51 31.7 25.0 37.4
86 61.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 22.927 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

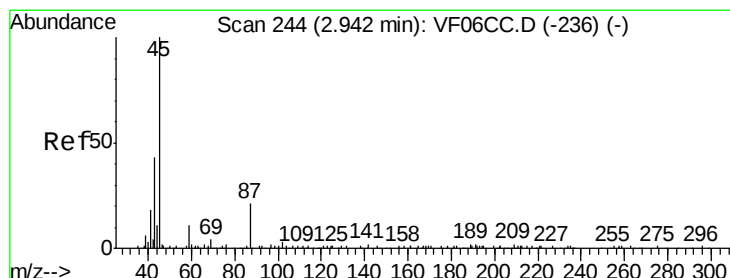
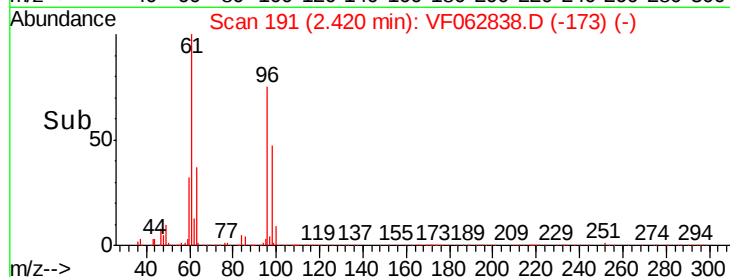
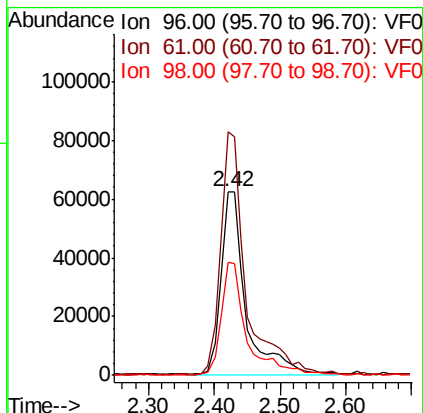
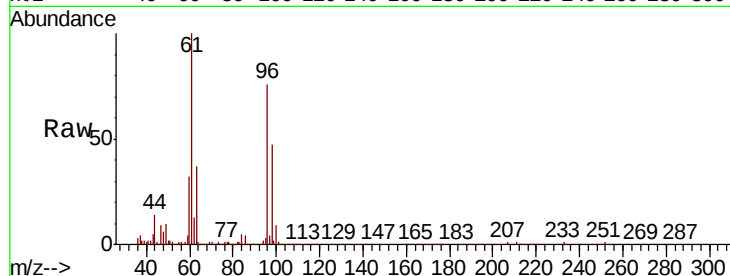
Tot Ion: 96 Resp: 164025

Ion Ratio Lower Upper

96 100

61 132.4 105.0 157.6

98 61.8 51.1 76.7



#22

Diisopropyl ether

Concen: 20.839 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion: 45 Resp: 327748

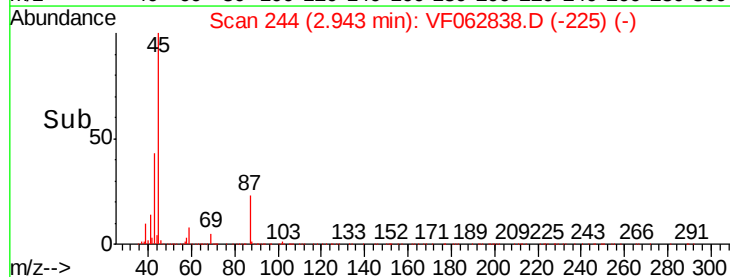
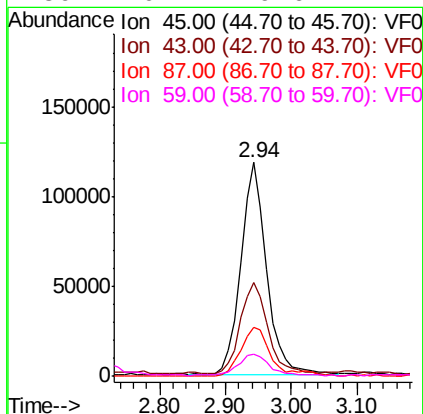
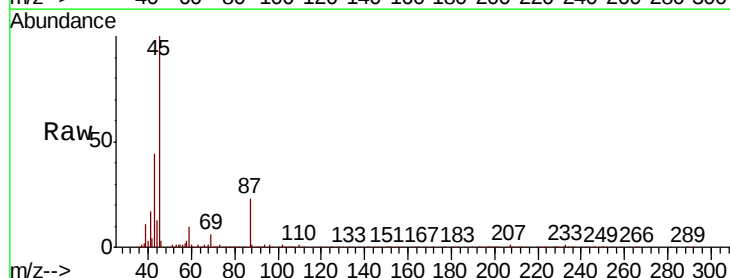
Ion Ratio Lower Upper

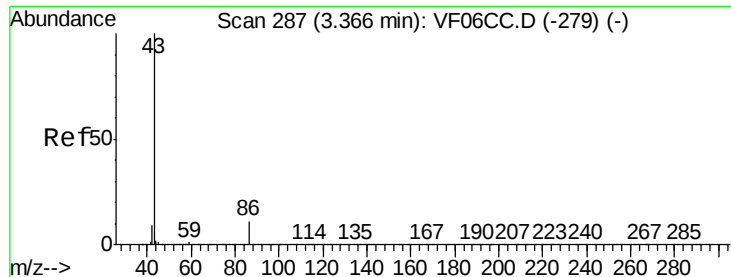
45 100

43 44.0 34.3 51.5

87 23.0 19.0 28.4

59 10.2 9.6 14.4





#23

Vinyl Acetate

Concen: 114.279 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

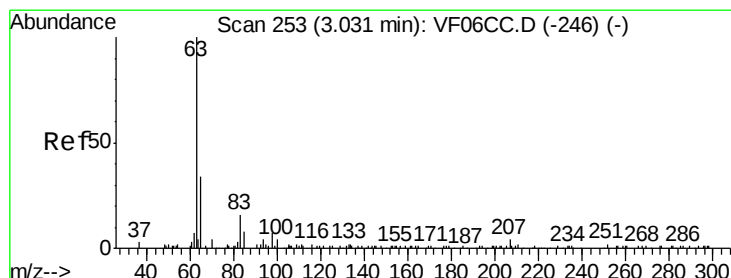
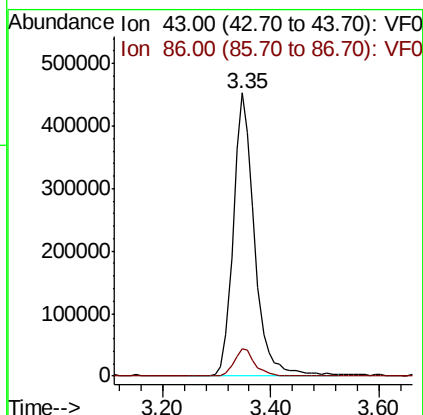
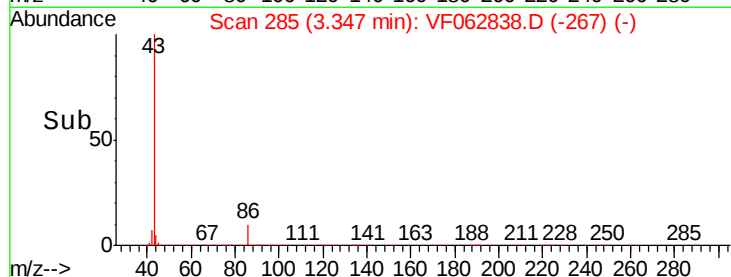
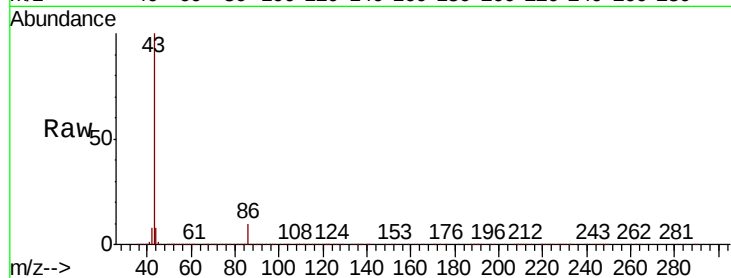
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1230439

Ion Ratio Lower Upper

43 100

86 9.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 22.542 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

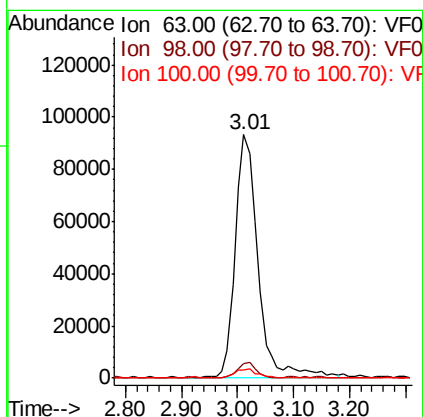
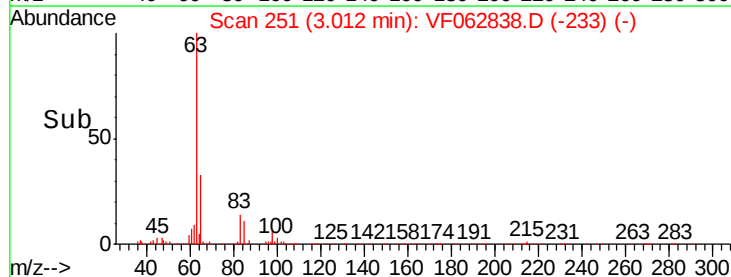
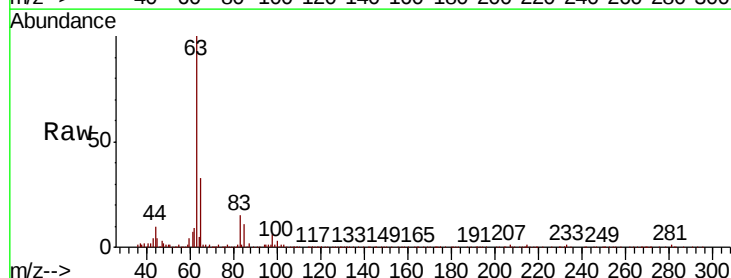
Tgt Ion: 63 Resp: 264699

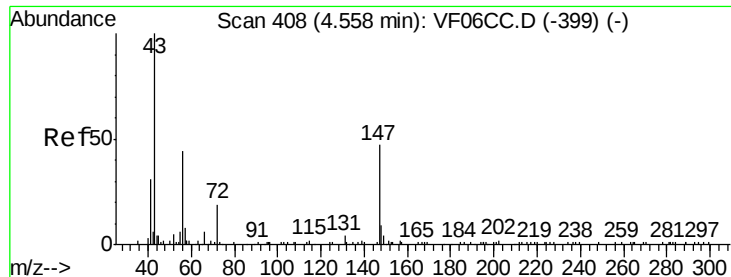
Ion Ratio Lower Upper

63 100

98 6.0 2.4 7.1

100 3.1 1.5 4.5





#25

2-Butanone

Concen: 108.624 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

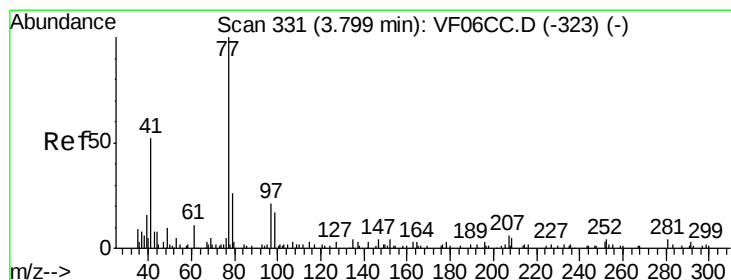
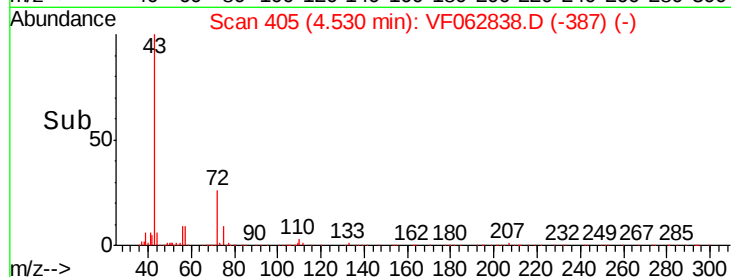
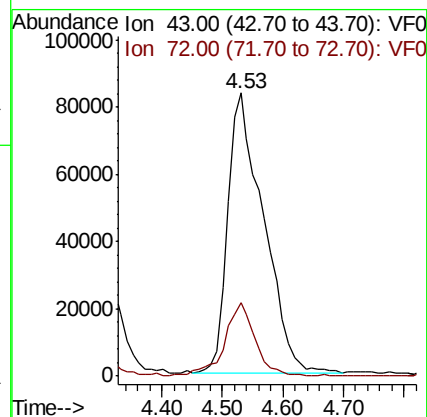
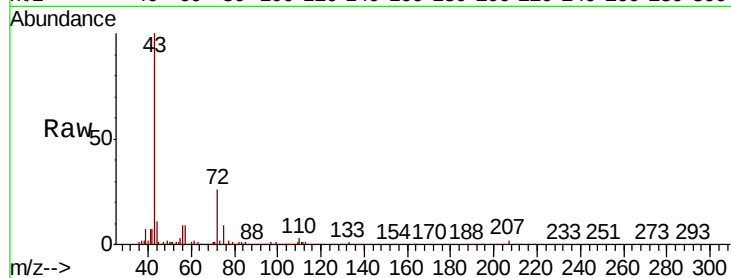
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 343771

Ion Ratio Lower Upper

43 100

72 25.8 21.4 32.0



#26

2,2-Dichloropropane

Concen: 22.890 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF062838.D

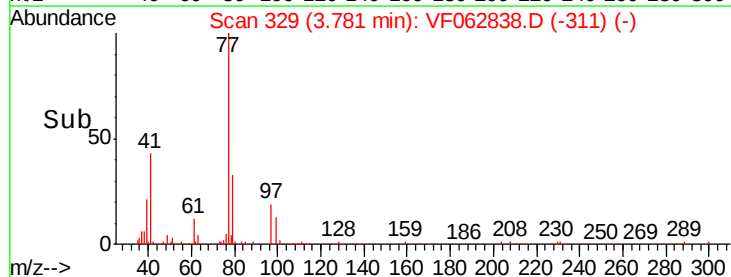
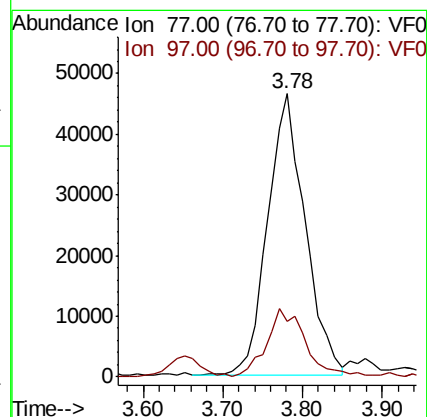
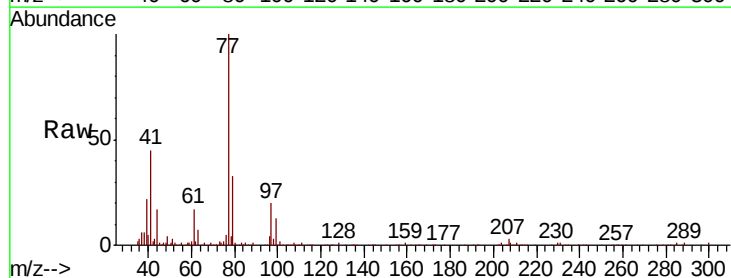
Acq: 4 Jun 2019 14:56

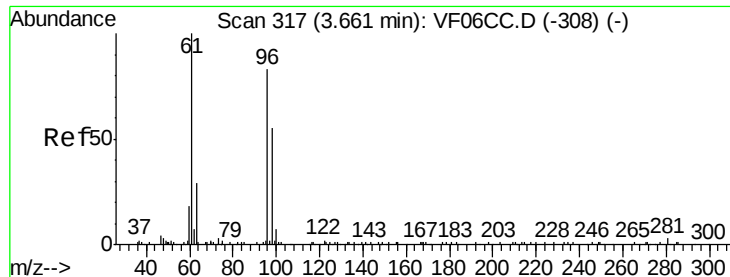
Tgt Ion: 77 Resp: 152616

Ion Ratio Lower Upper

77 100

97 19.8 12.4 37.4



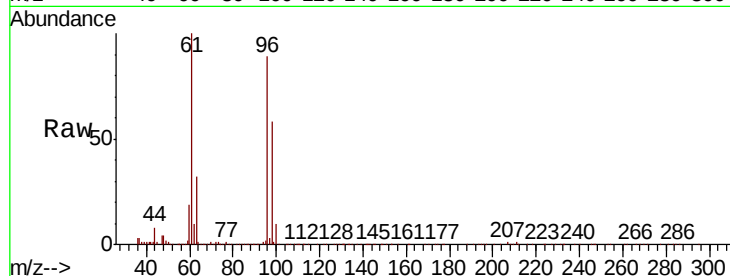


#27

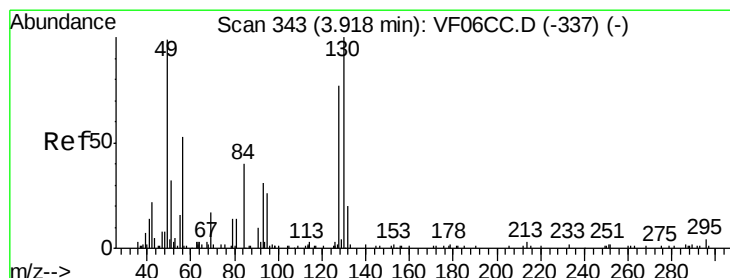
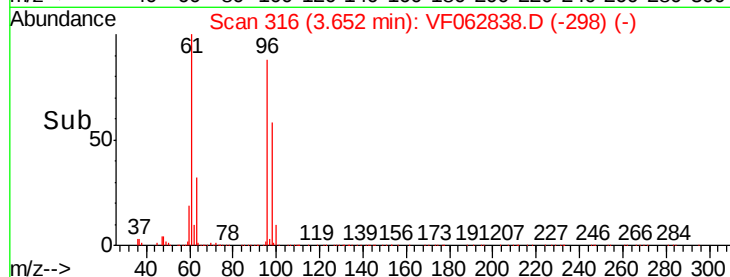
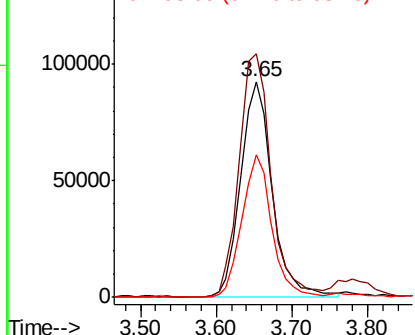
cis-1,2-Dichloroethene
Concen: 22.045 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	112.7	0.0	213.8
98	65.7	0.0	127.0



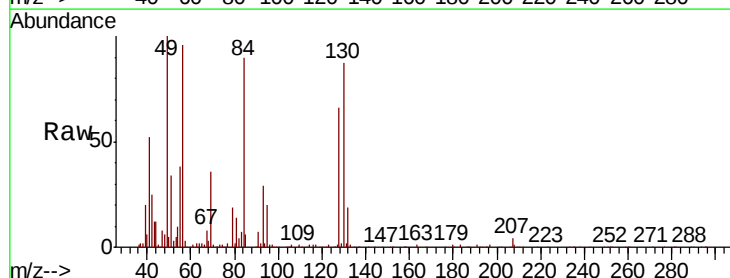
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



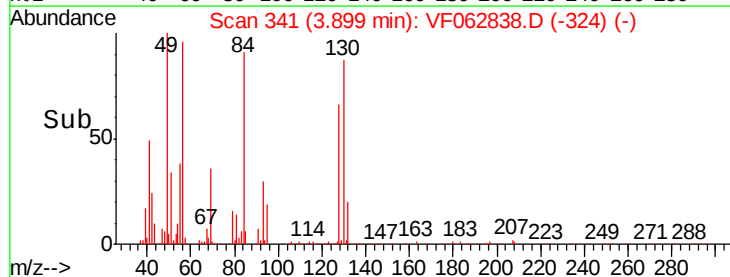
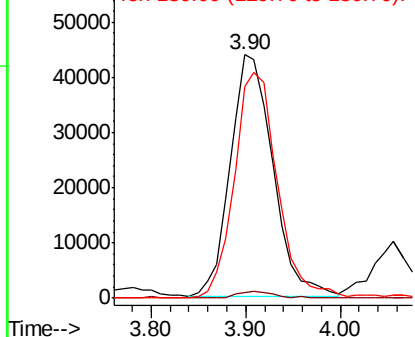
#28

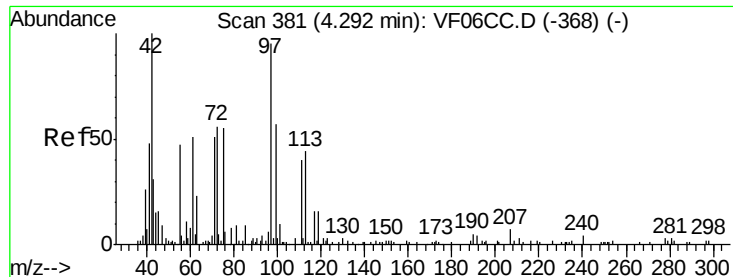
Bromochloromethane
Concen: 21.404 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.03 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.4
130	86.9	79.2	118.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

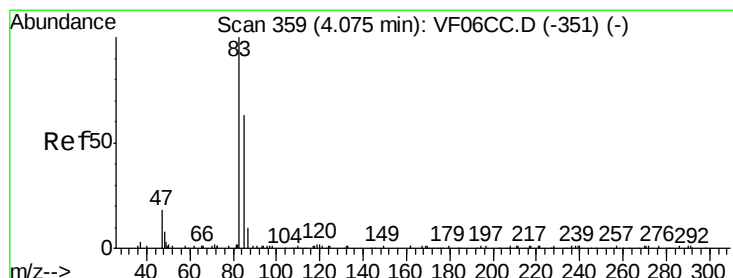
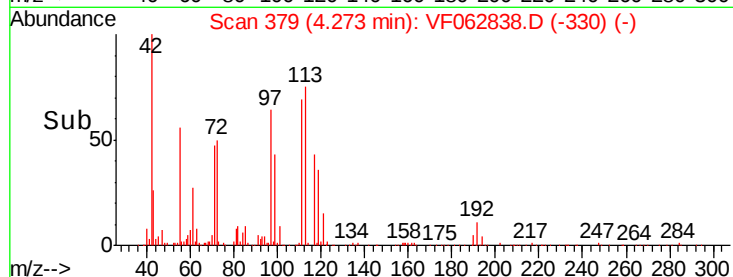
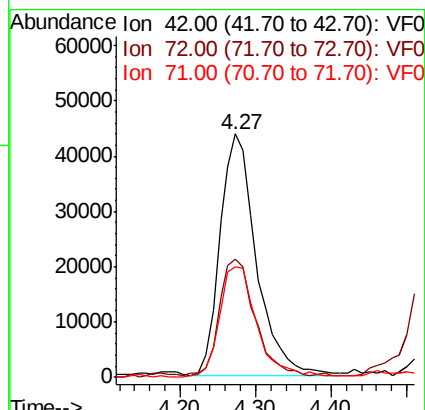
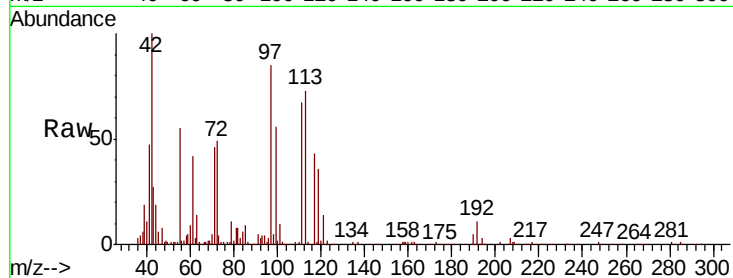




#29
Tetrahydrofuran
Concen: 120.687 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

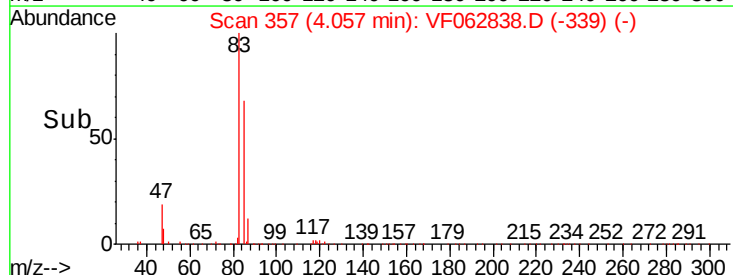
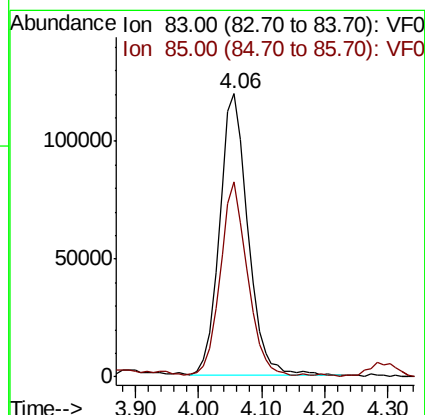
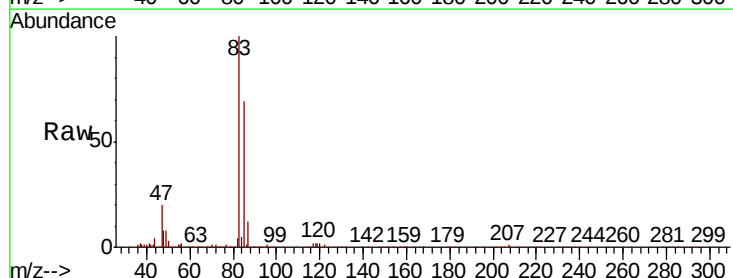
Instrument :
MSVOA_F
ClientSampled :

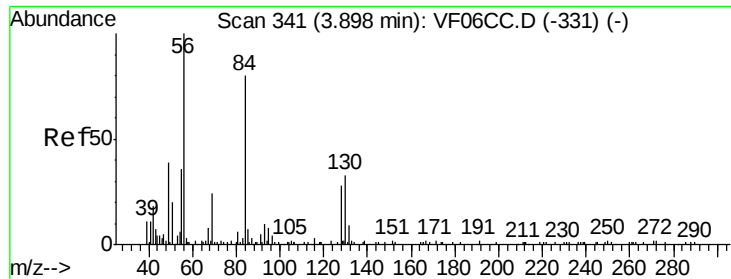
Tot Ion: 42 Resp: 146085
Ion Ratio Lower Upper
42 100
72 47.6 39.0 58.6
71 47.6 36.9 55.3



#30
Chloroform
Concen: 22.607 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 83 Resp: 374144
Ion Ratio Lower Upper
83 100
85 69.0 55.0 82.6

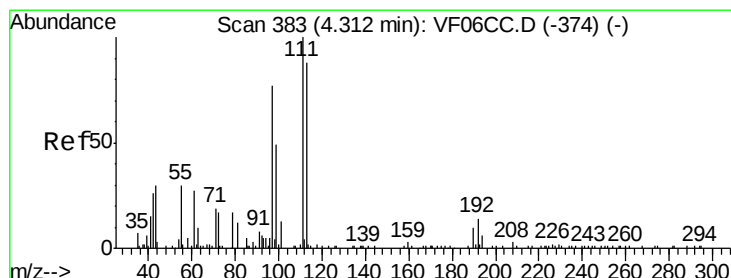
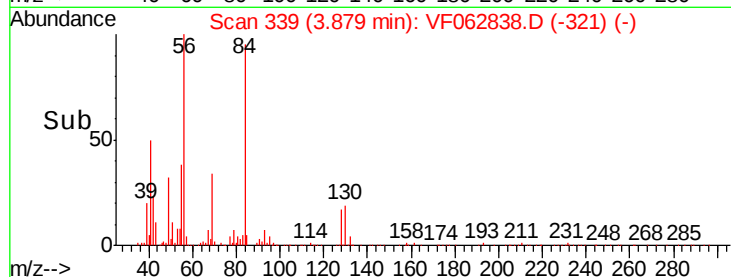
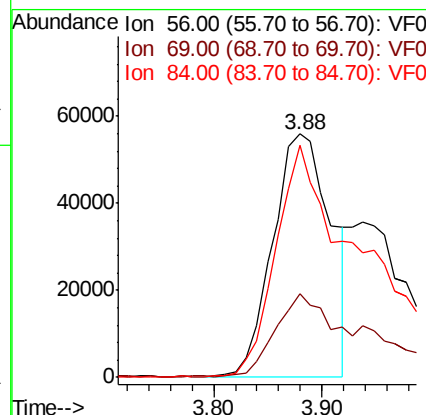
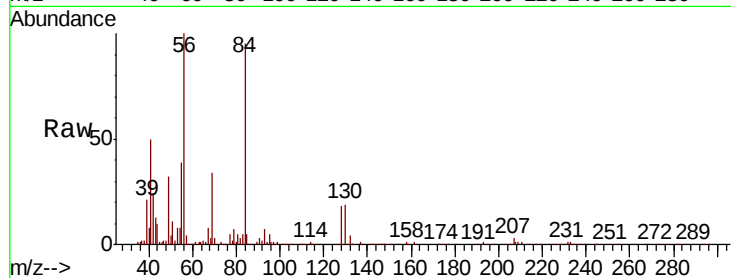




#31
Cyclohexane
Concen: 13.255 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

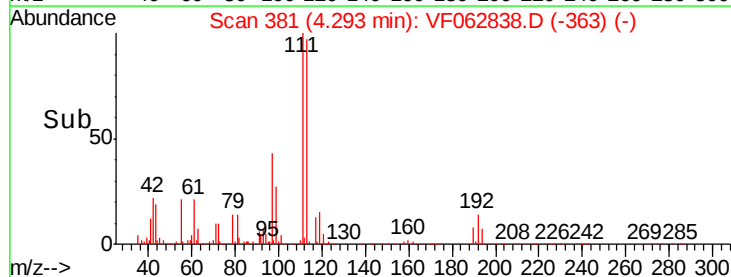
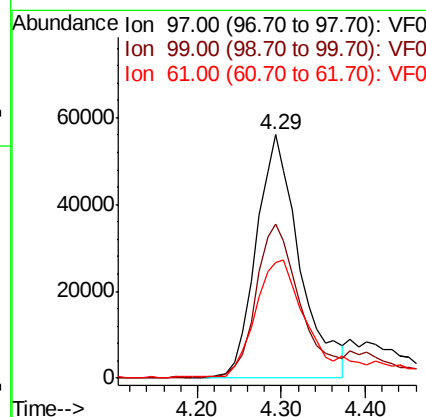
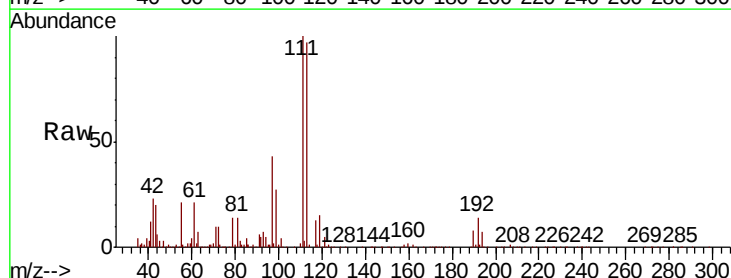
Instrument :
MSVOA_F
ClientSampled :

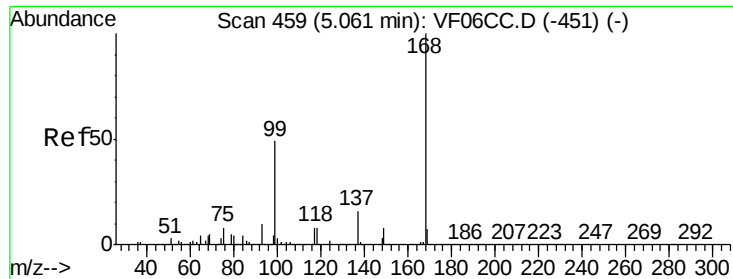
Tot Ion: 56 Resp: 210722
Ion Ratio Lower Upper
56 100
69 34.2 26.7 40.1
84 95.5 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 20.863 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 97 Resp: 201031
Ion Ratio Lower Upper
97 100
99 63.3 51.7 77.5
61 47.7 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 58.757 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

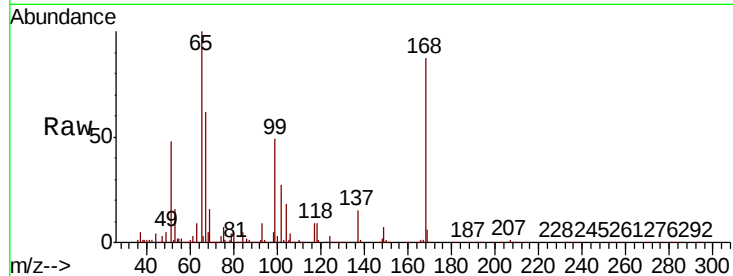
ClientSampleId :

Tot Ion: 65 Resp: 348877

Ion Ratio Lower Upper

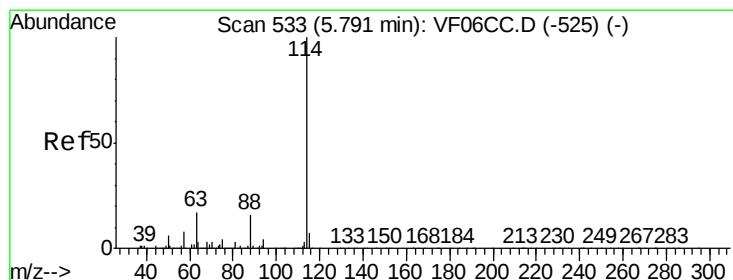
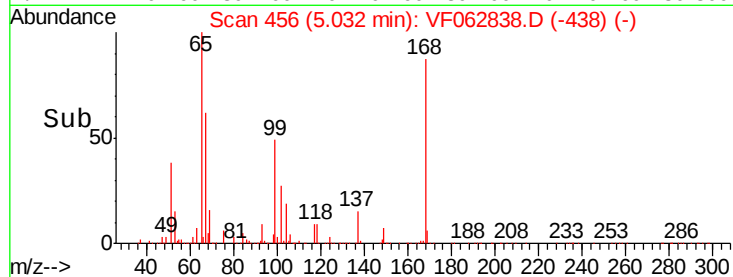
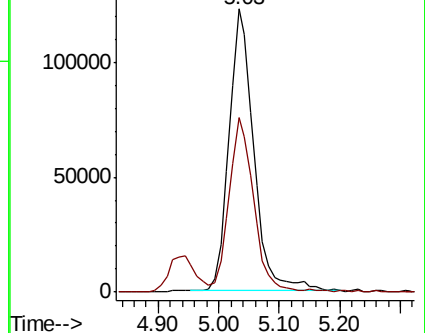
65 100

67 61.8 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

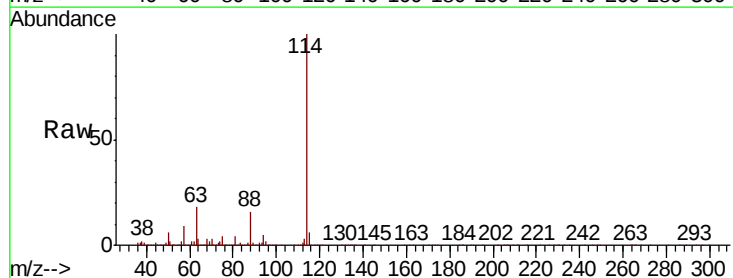
Tgt Ion: 114 Resp: 1442146

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

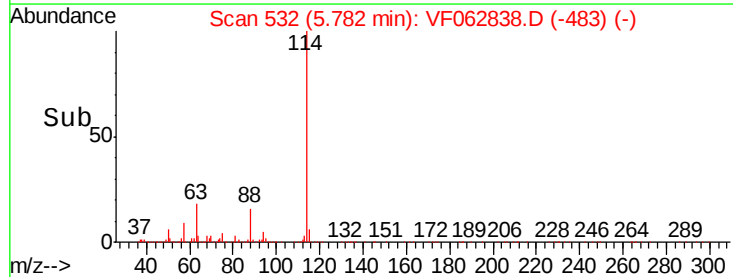
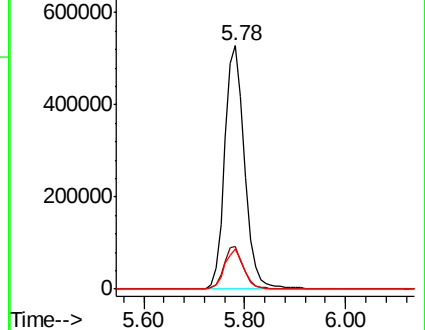
88 16.4 0.0 31.2

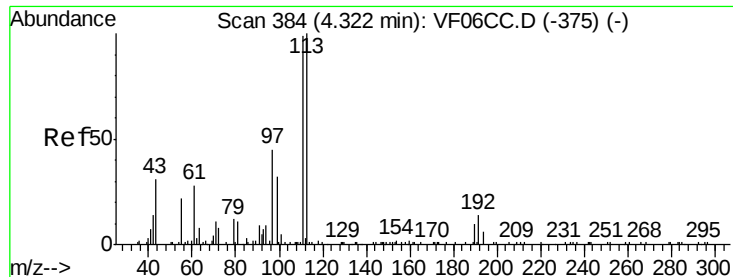


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

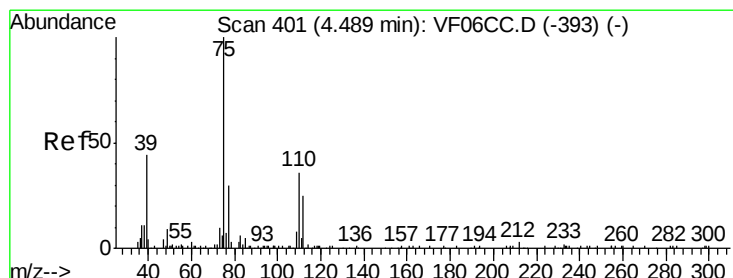
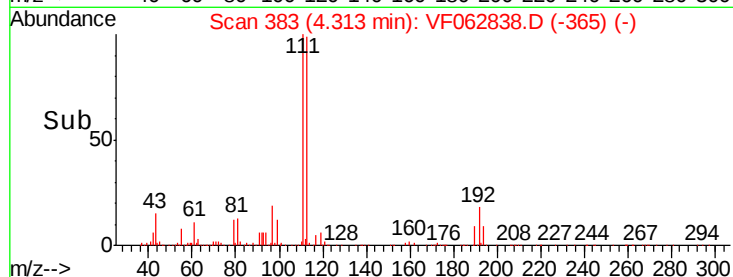
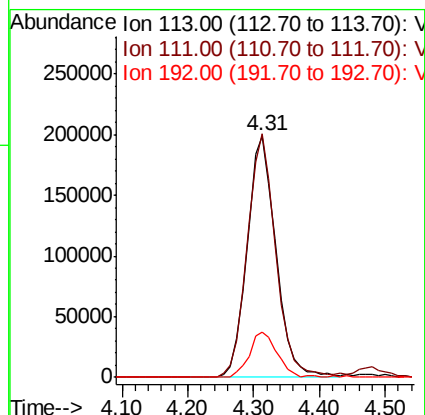
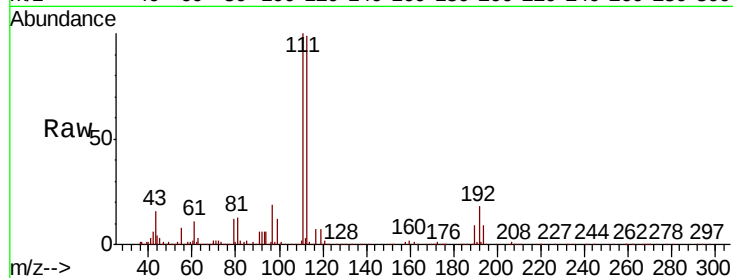




#35
Dibromofluoromethane
Concen: 56.246 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

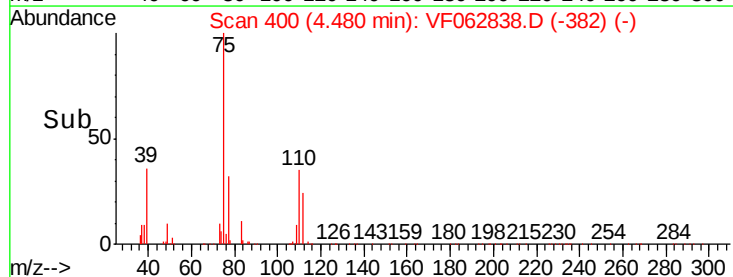
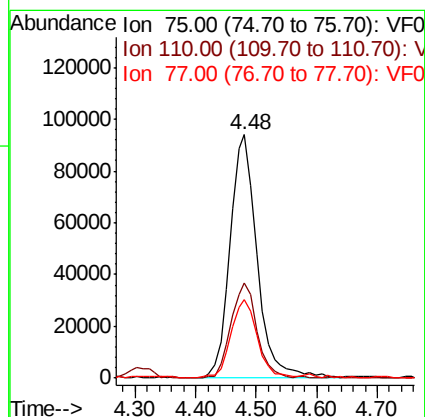
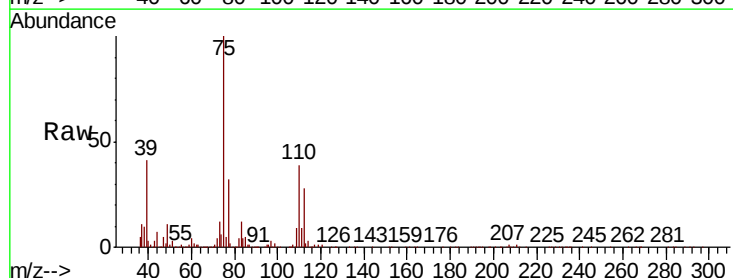
Instrument :
MSVOA_F
ClientSampleId :

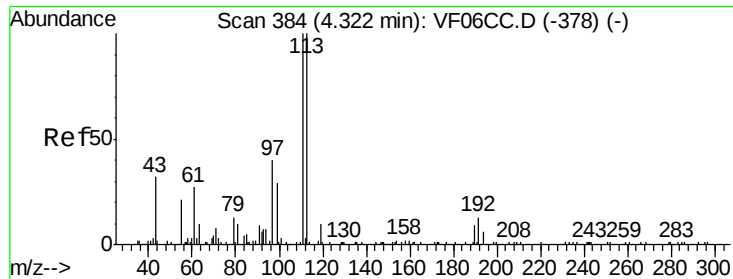
Tot Ion:113 Resp: 612944
Ion Ratio Lower Upper
113 100
111 100.7 81.9 122.9
192 18.9 15.1 22.7



#36
1,1-Dichloropropene
Concen: 21.924 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 75 Resp: 291068
Ion Ratio Lower Upper
75 100
110 39.1 19.4 58.1
77 32.2 25.4 38.2

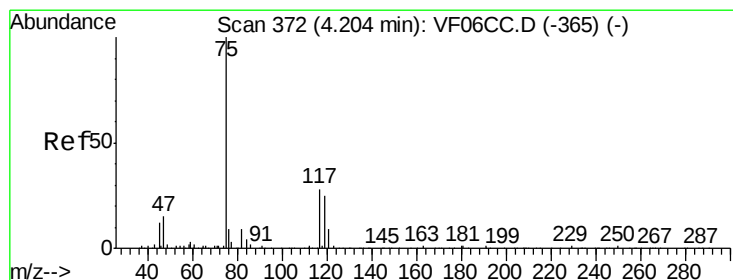
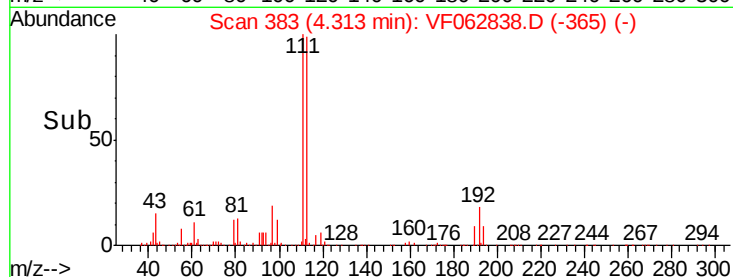
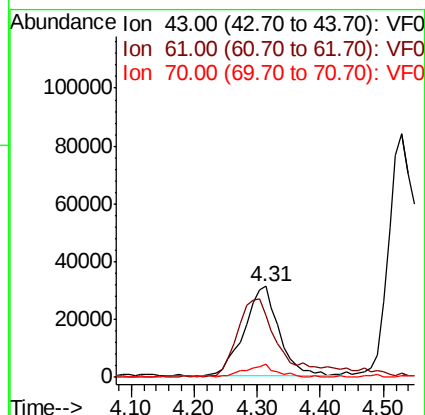
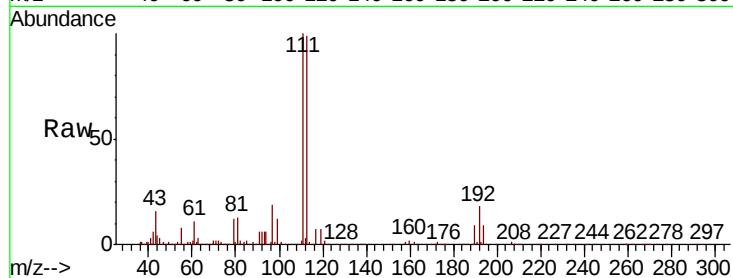




#37
Ethyl Acetate
Concen: 23.573 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

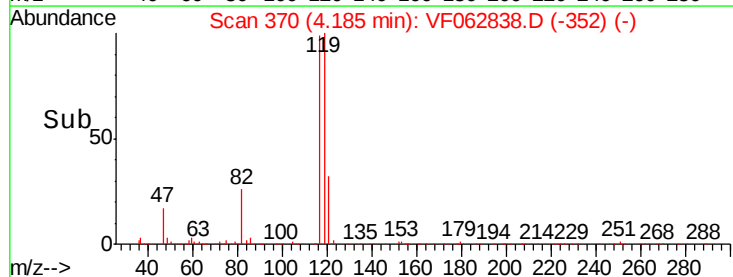
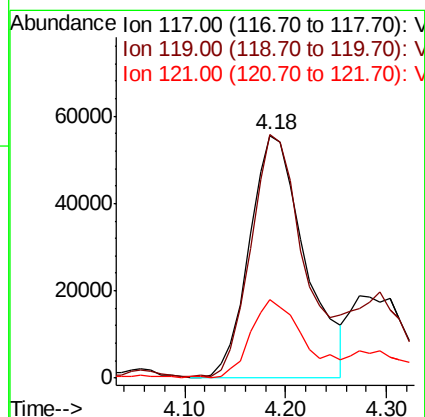
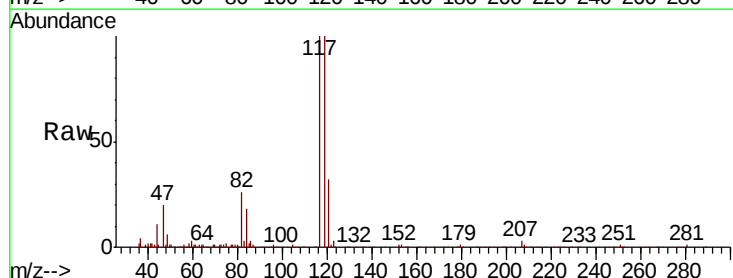
Instrument :
MSVOA_F
ClientSampleId :

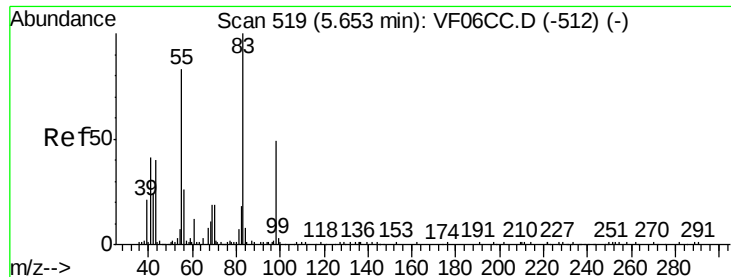
Tot Ion: 43 Resp: 119636
Ion Ratio Lower Upper
43 100
61 68.3 59.1 88.7
70 14.4 10.1 15.1



#38
Carbon Tetrachloride
Concen: 23.535 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 117 Resp: 211169
Ion Ratio Lower Upper
117 100
119 100.3 78.2 117.2
121 32.6 28.2 42.2

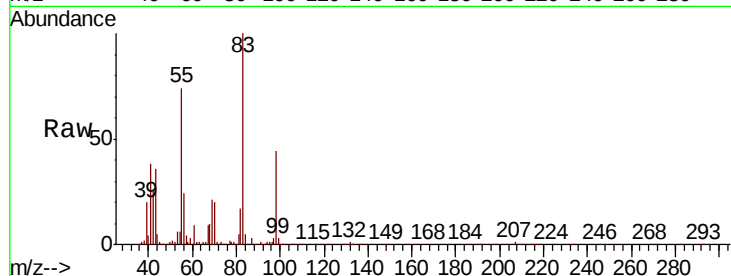




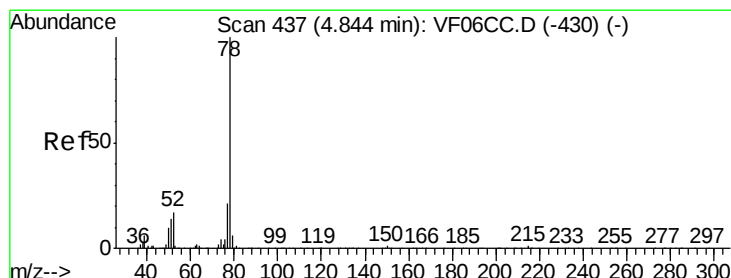
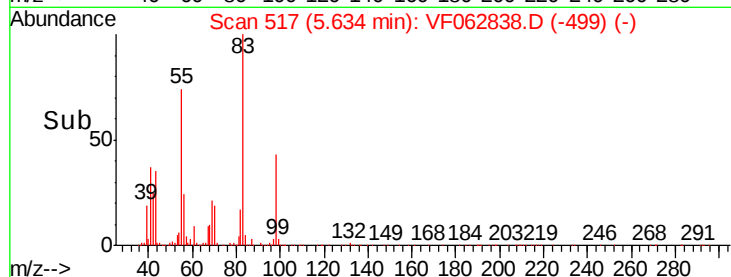
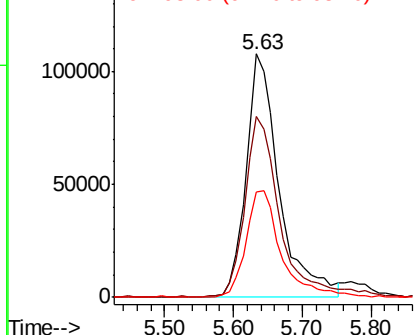
#39
Methvlcvclohexane
Concen: 21.800 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	61.6	92.4
98	43.5	37.4	56.2

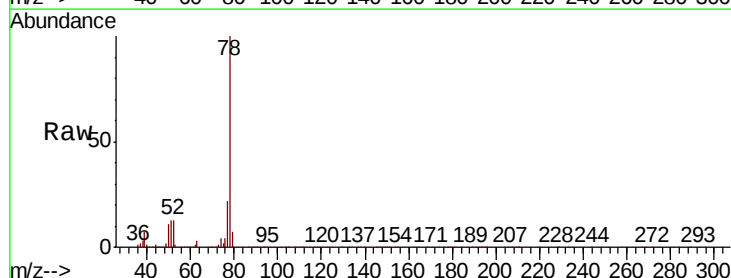


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

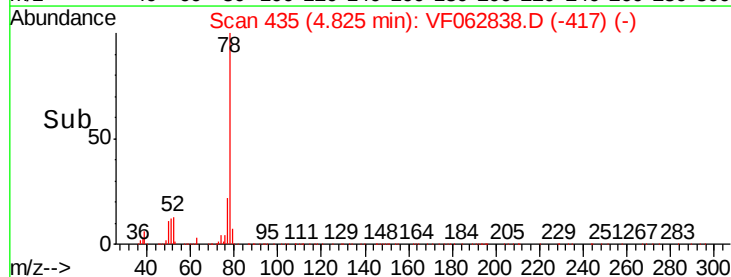
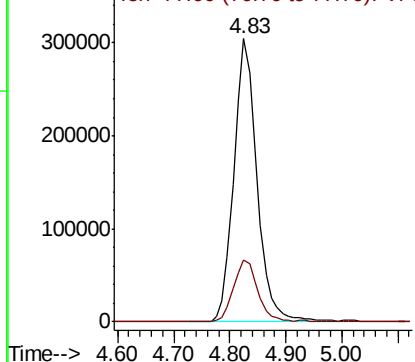


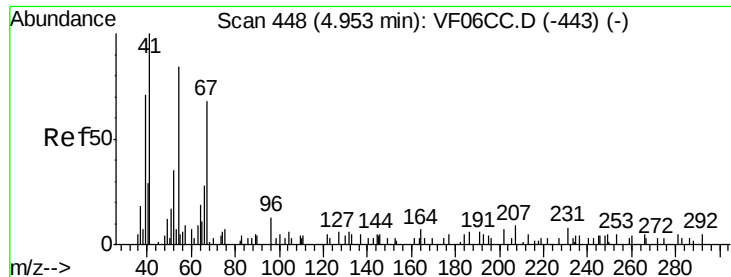
#40
Benzene
Concen: 22.597 ug/l
RT: 4.83 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.9	28.3



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

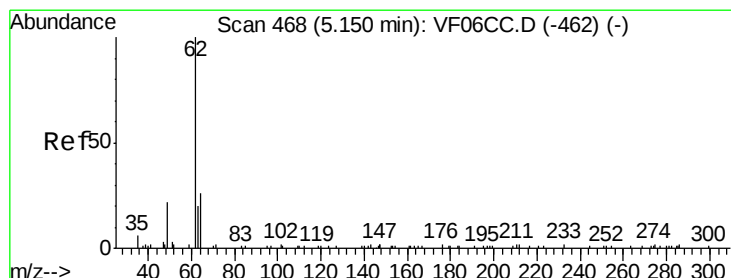
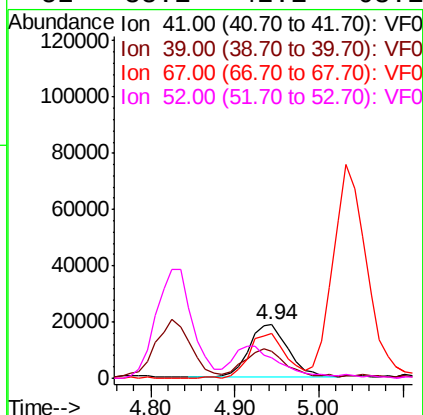
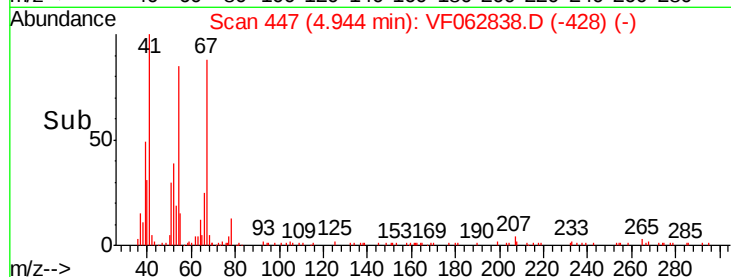
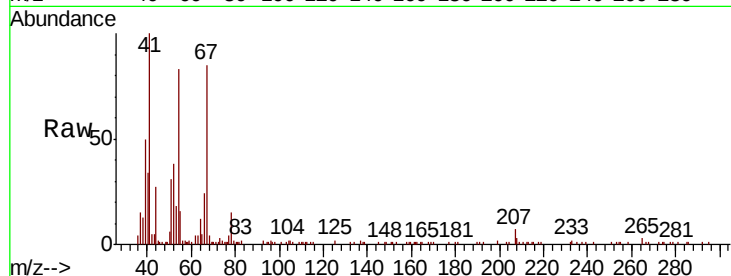




#41
Methacrylonitrile
Concen: 21.759 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

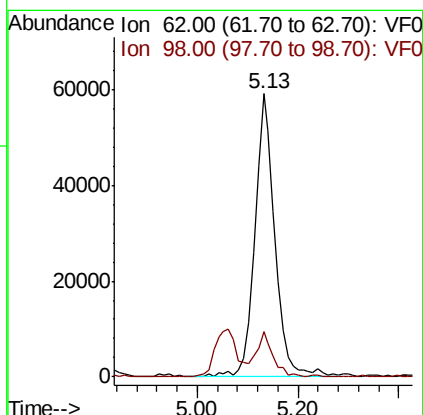
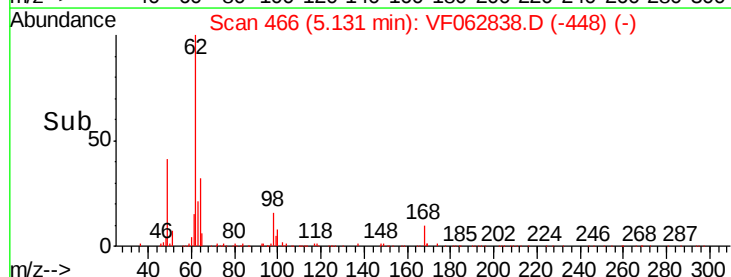
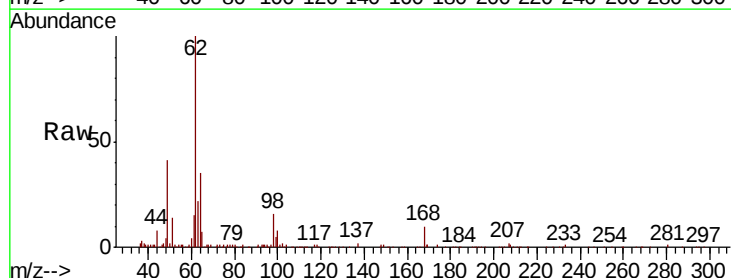
Instrument :
MSVOA_F
ClientSampled :

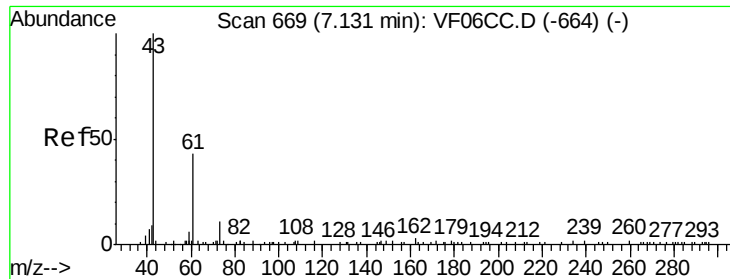
Tot Ion:	41	Resp:	61390
Ion	Ratio	Lower	Upper
41	100		
39	49.5	42.0	63.0
67	84.6	61.4	92.0
52	38.1	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 22.296 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion:	62	Resp:	163851
Ion	Ratio	Lower	Upper
62	100		
98	16.1	0.0	24.0

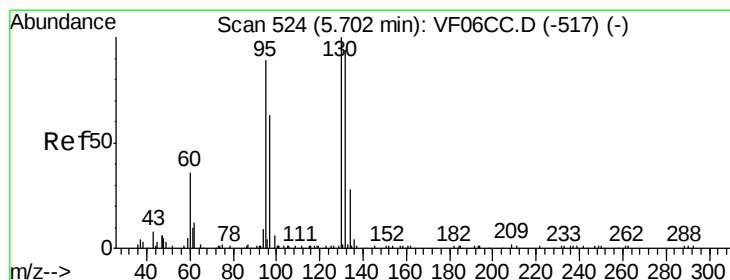
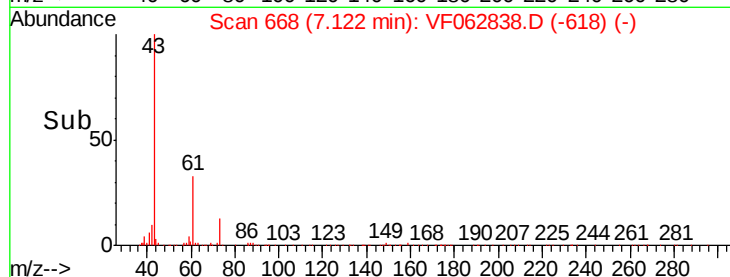
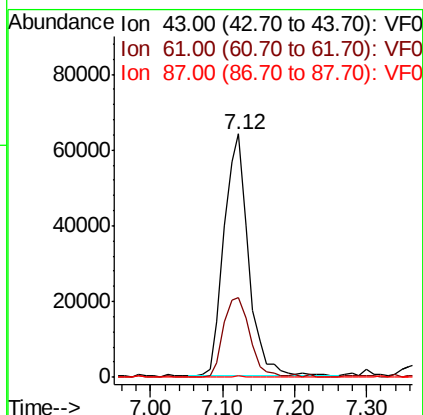
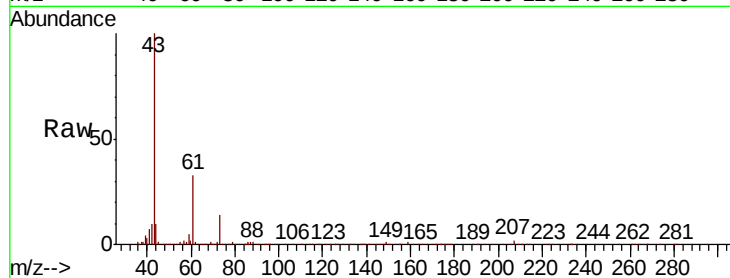




#43
Isopropyl Acetate
Concen: 22.558 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

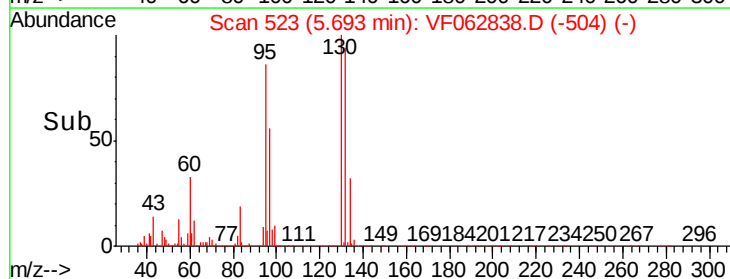
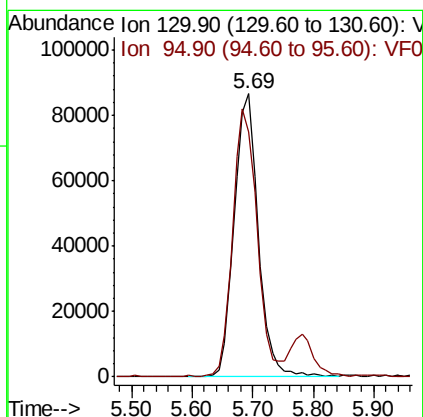
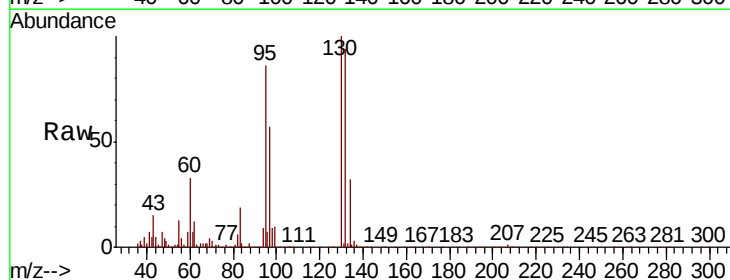
Instrument :
MSVOA_F
ClientSampleId :

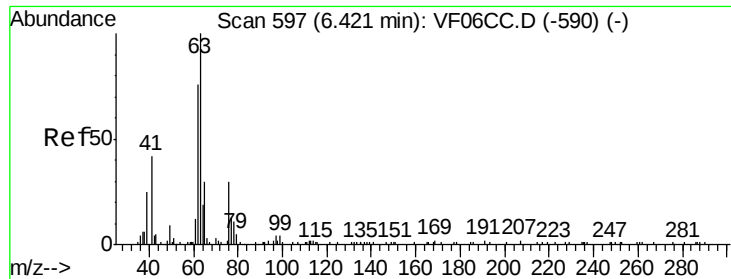
Tot Ion: 43 Resp: 151235
Ion Ratio Lower Upper
43 100
61 33.0 29.8 44.6
87 0.8 0.3 0.5#



#44
Trichloroethene
Concen: 22.037 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion:130 Resp: 240311
Ion Ratio Lower Upper
130 100
95 86.5 0.0 188.2





#45

1,2-Dichloropropane

Concen: 21.489 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

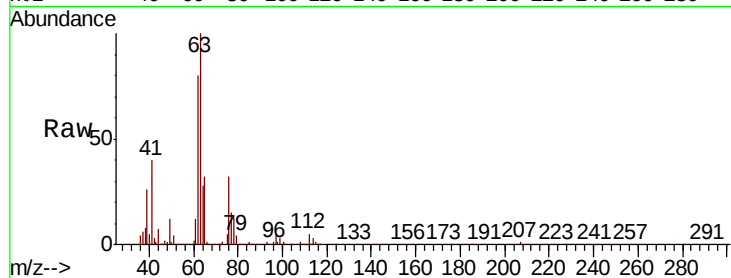
ClientSampleId :

Tot Ion: 63 Resp: 208366

Ion Ratio Lower Upper

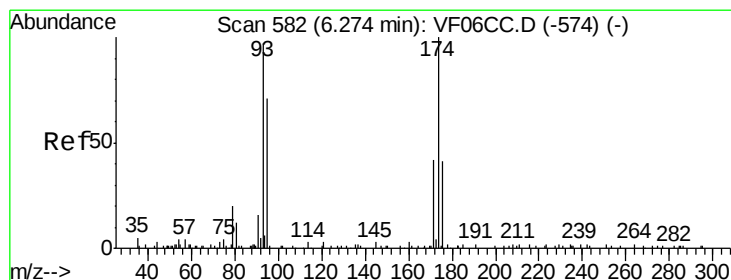
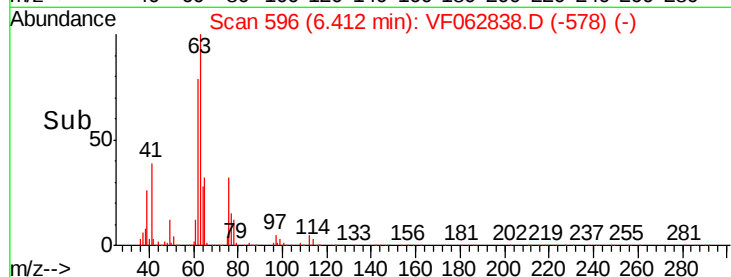
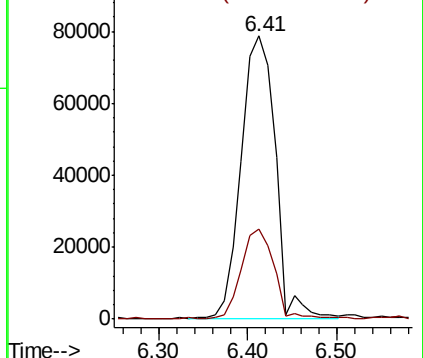
63 100

65 31.7 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 23.258 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

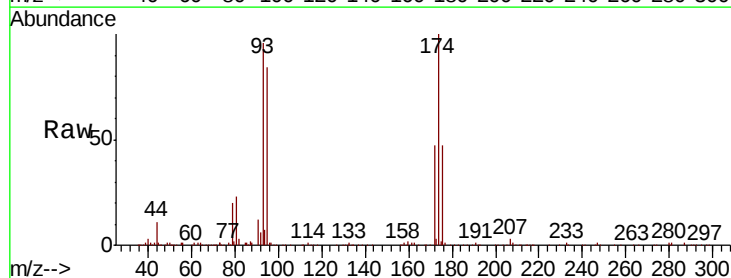
Tgt Ion: 93 Resp: 131666

Ion Ratio Lower Upper

93 100

95 87.5 67.9 101.9

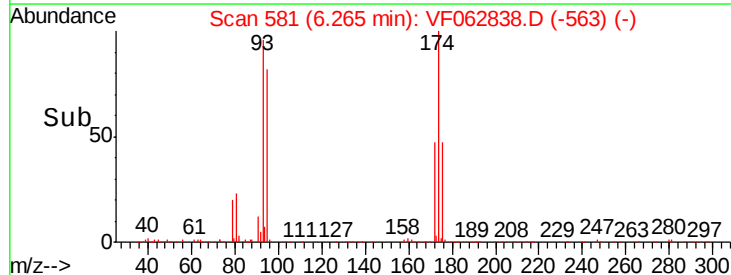
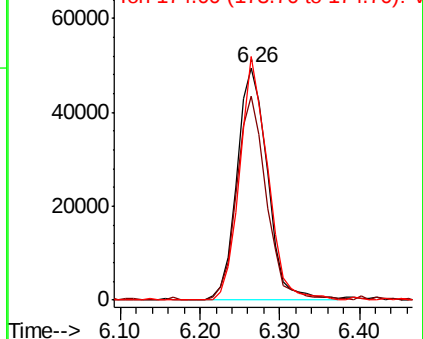
174 106.3 85.0 127.4

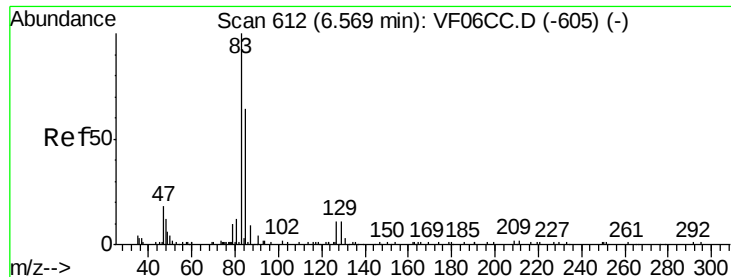


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.601 ug/l

RT: 6.56 min Scan# 611

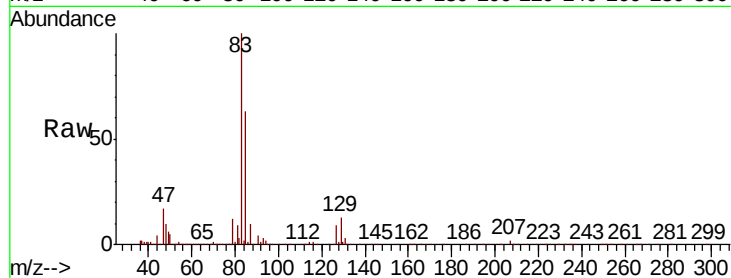
Delta R.T. -0.02 min

Lab File: VF062838.D

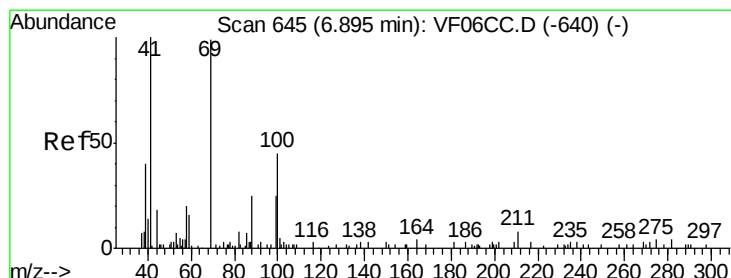
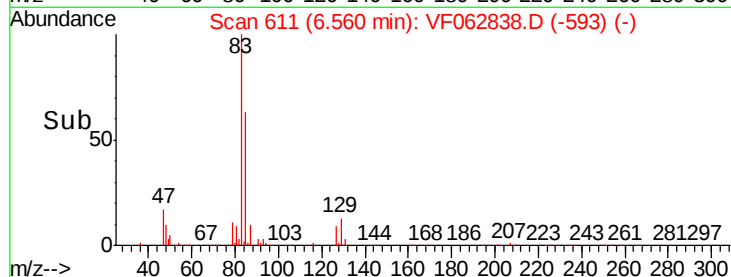
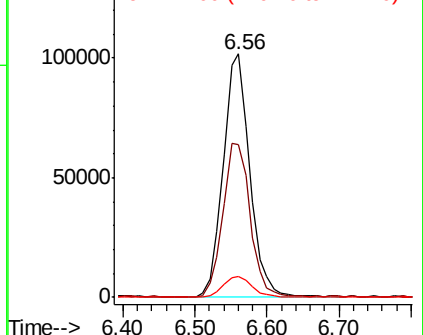
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	83	Resp:	260569
Ion	Ratio	Lower	Upper
83	100		
85	62.7	54.2	81.4
127	9.4	7.0	10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.079 ug/l

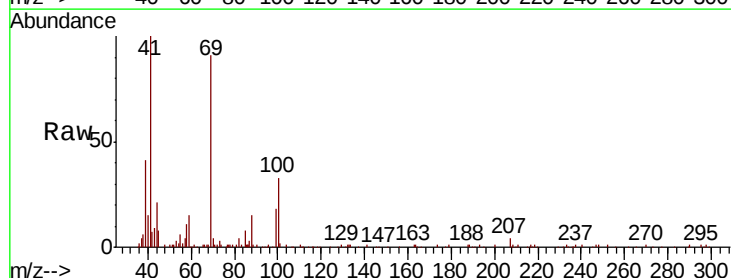
RT: 6.89 min Scan# 644

Delta R.T. -0.01 min

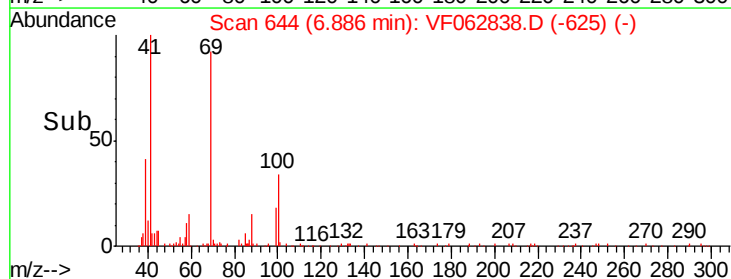
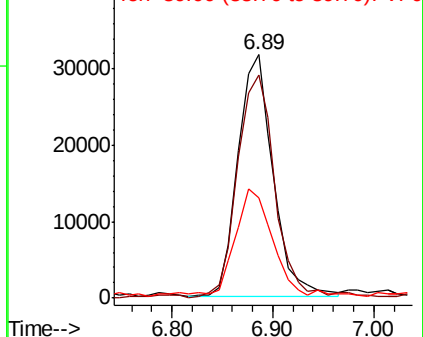
Lab File: VF062838.D

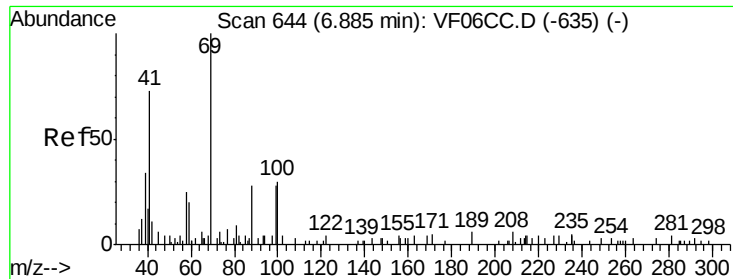
Acq: 4 Jun 2019 14:56

Tgt Ion:	41	Resp:	76284
Ion	Ratio	Lower	Upper
41	100		
69	91.5	79.4	119.2
39	41.4	39.8	59.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

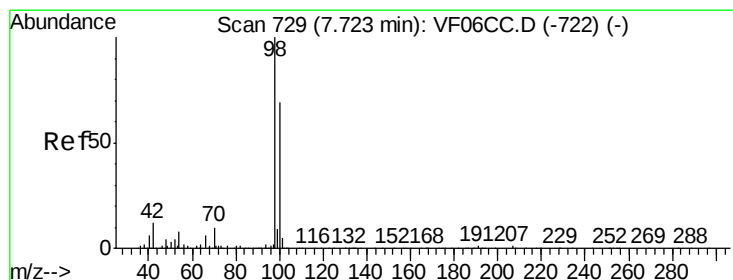
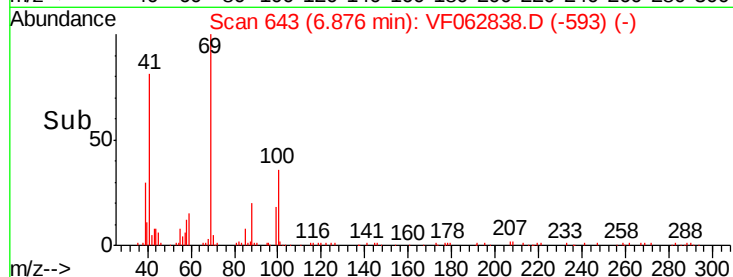
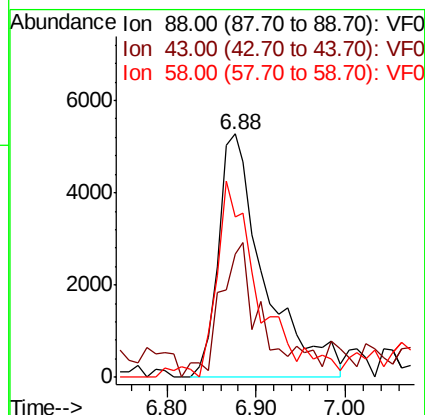
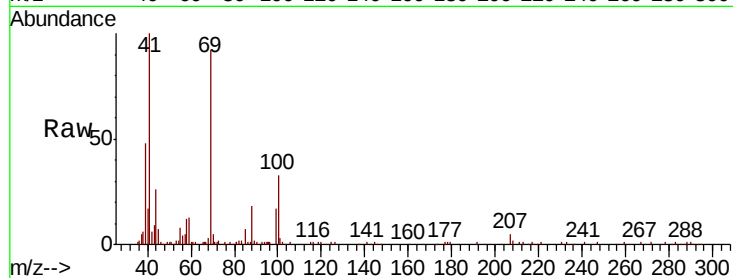




#49
1,4-Dioxane
Concen: 419.128 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

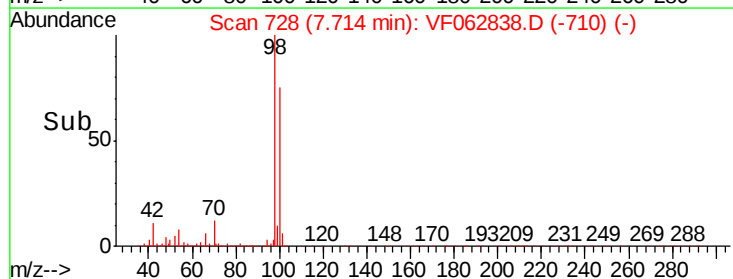
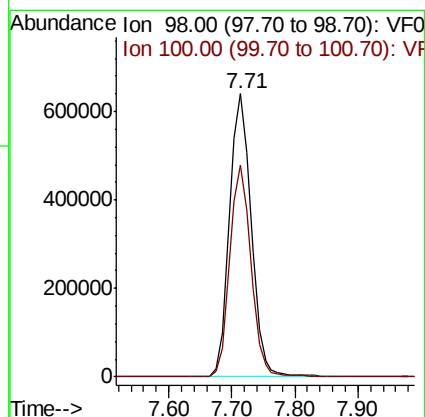
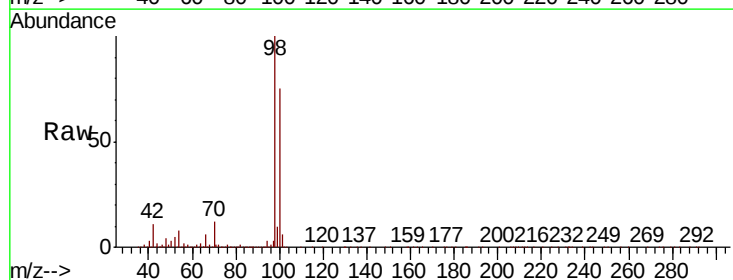
Instrument :
MSVOA_F
ClientSampleId :

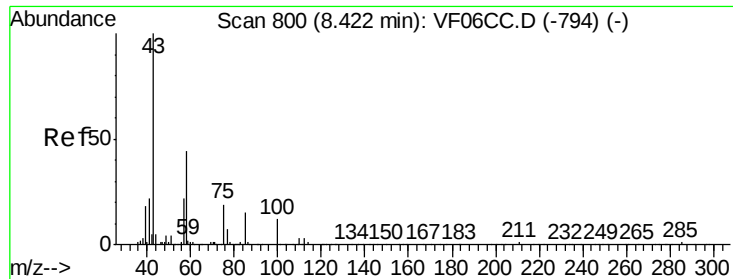
Tot Ion: 88 Resp: 19088
Ion Ratio Lower Upper
88 100
43 50.8 34.8 52.2
58 66.1 59.9 89.9



#50
Toluene-d8
Concen: 55.389 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 98 Resp: 1526388
Ion Ratio Lower Upper
98 100
100 74.6 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 123.953 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

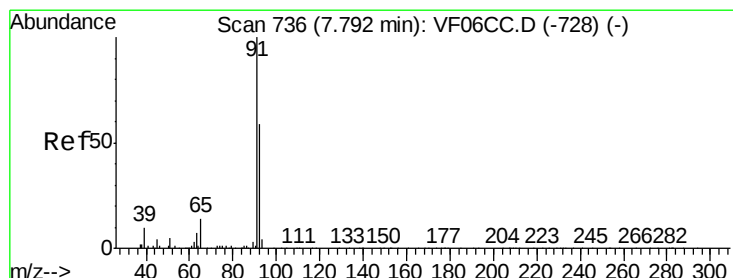
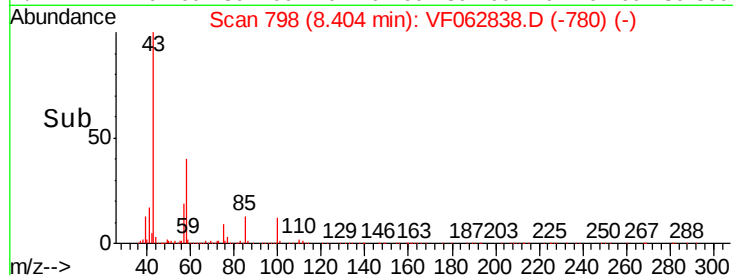
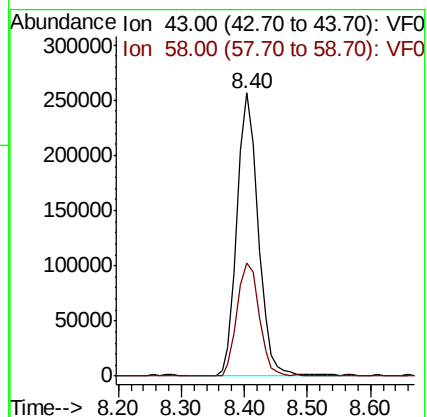
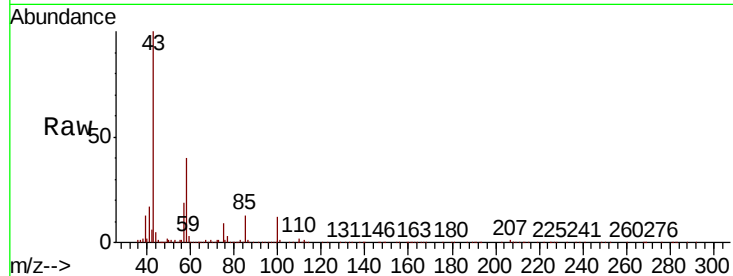
ClientSampled :

Tot Ion: 43 Resp: 593288

Ion Ratio Lower Upper

43 100

58 40.0 35.5 53.3



#52

Toluene

Concen: 22.255 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF062838.D

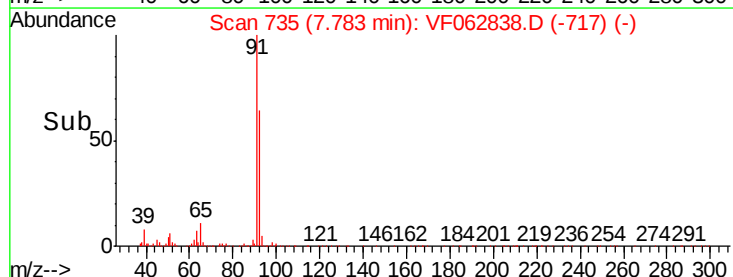
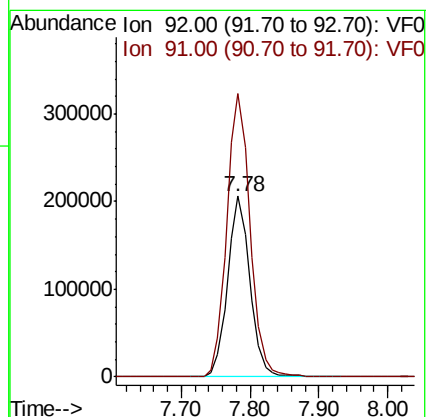
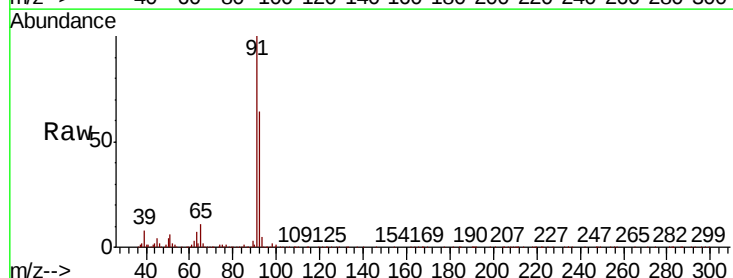
Acq: 4 Jun 2019 14:56

Tgt Ion: 92 Resp: 463159

Ion Ratio Lower Upper

92 100

91 156.7 123.2 184.8

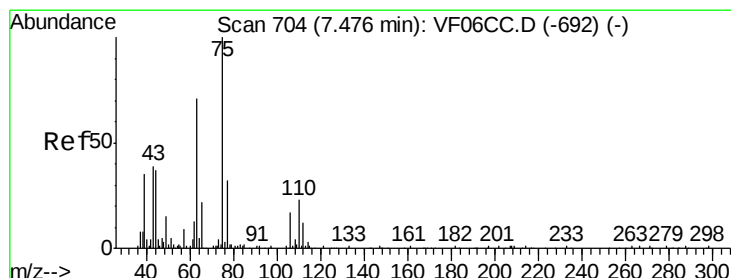
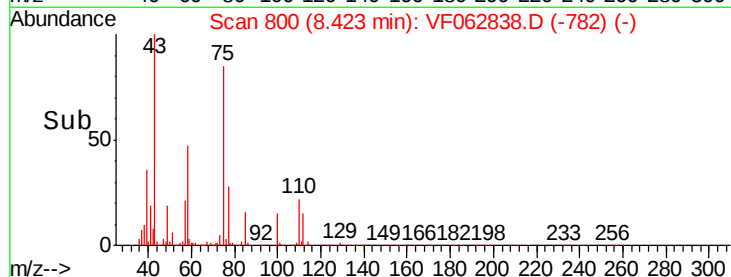
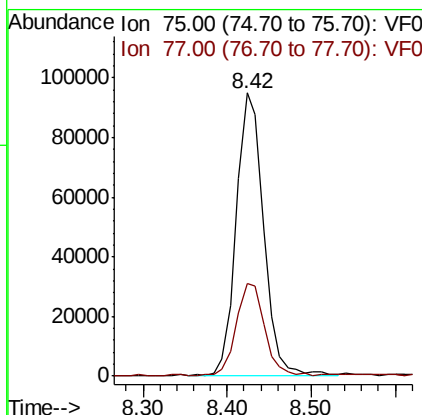
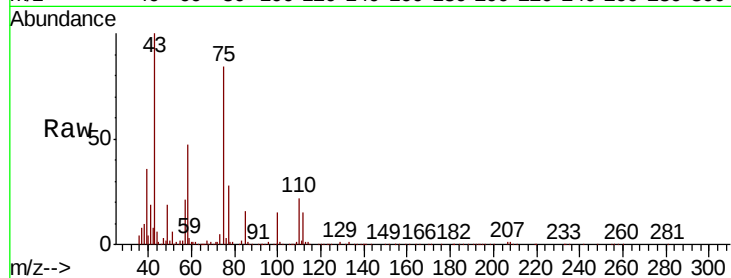




#53
 t-1,3-Dichloropropene
 Concen: 22.678 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

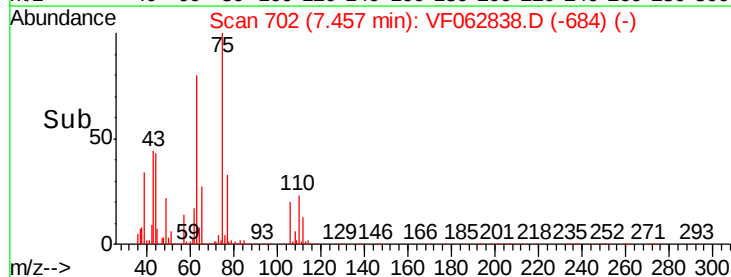
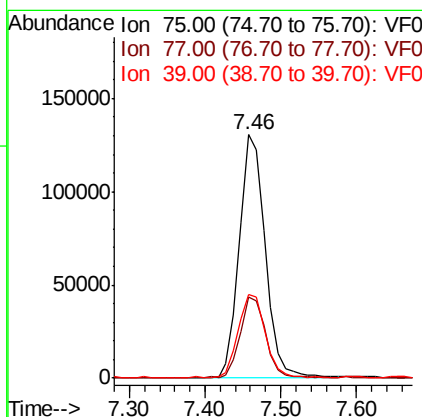
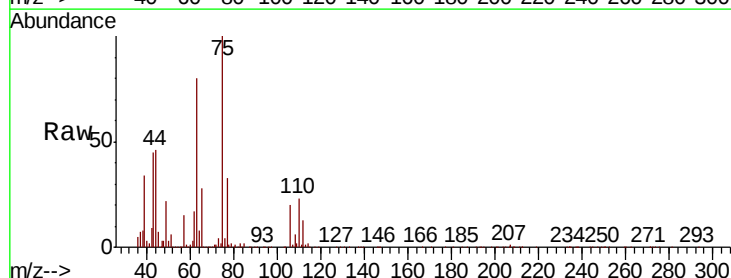
Instrument :
 MSVOA_F
 ClientSampled :

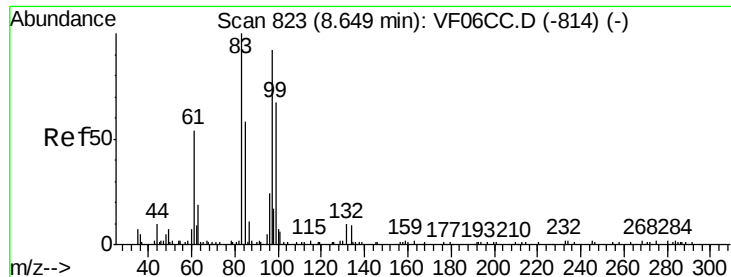
Tot Ion: 75 Resp: 216657
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 22.523 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion: 75 Resp: 311474
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8
 39 34.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.471 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 139713

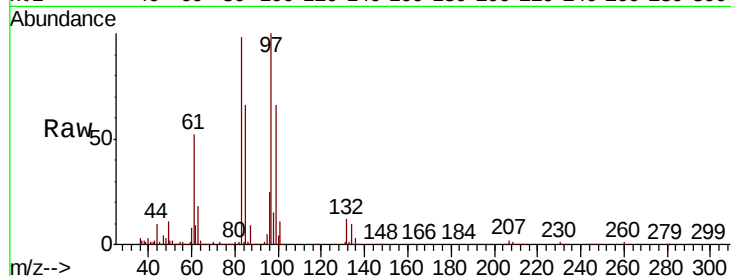
Ion Ratio Lower Upper

97 100

83 97.6 72.0 108.0

85 66.0 47.5 71.3

99 66.0 54.1 81.1

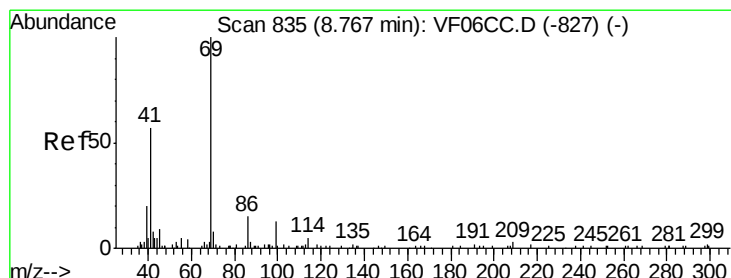
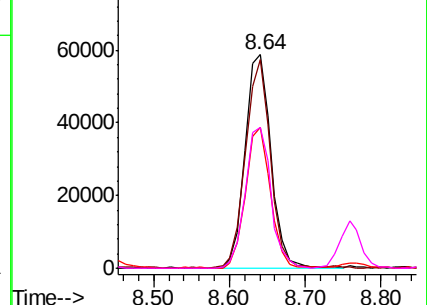
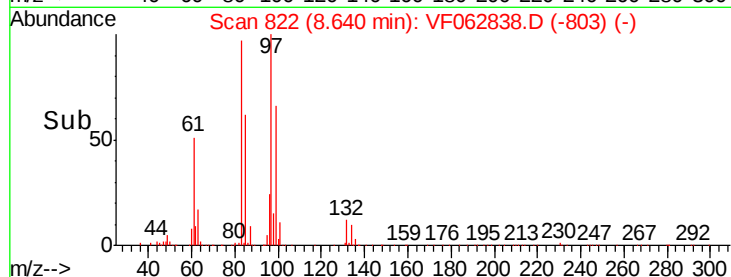


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.818 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

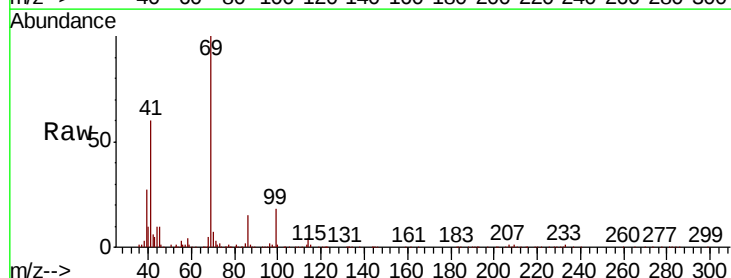
Tgt Ion: 69 Resp: 158888

Ion Ratio Lower Upper

69 100

41 59.8 46.6 69.8

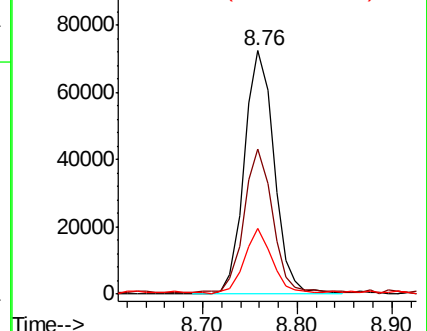
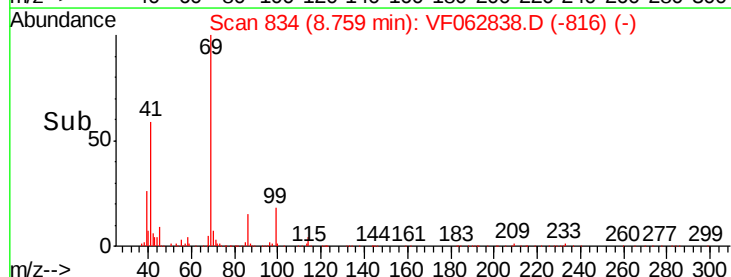
39 27.2 19.6 29.4

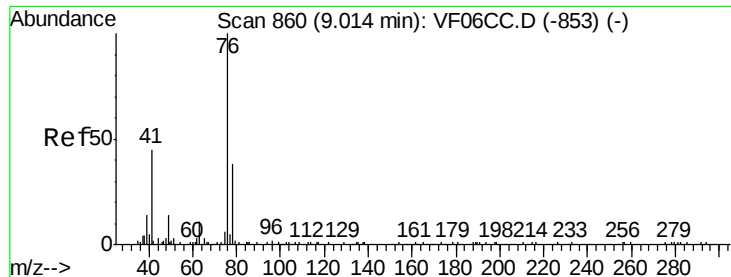


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.390 ug/l

RT: 9.00 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

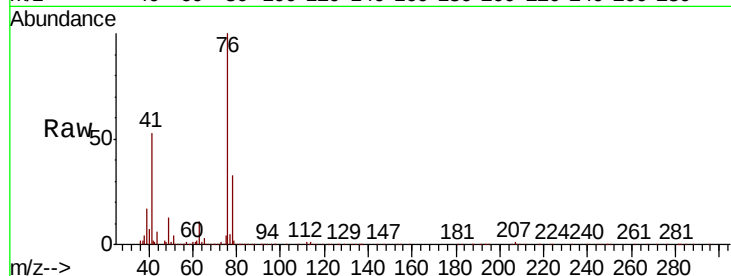
ClientSampleId :

Tot Ion: 76 Resp: 237478

Ion Ratio Lower Upper

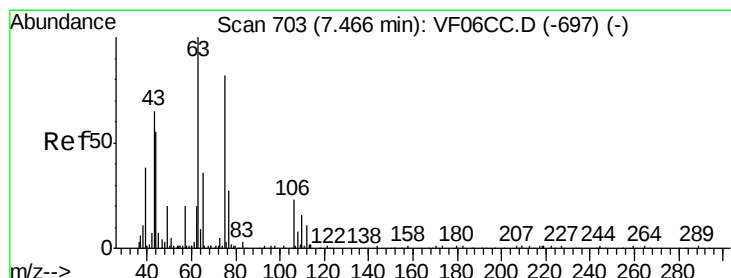
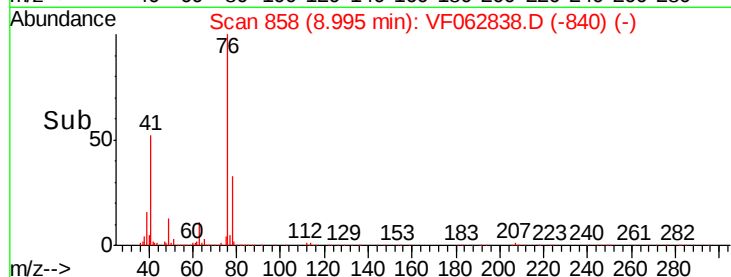
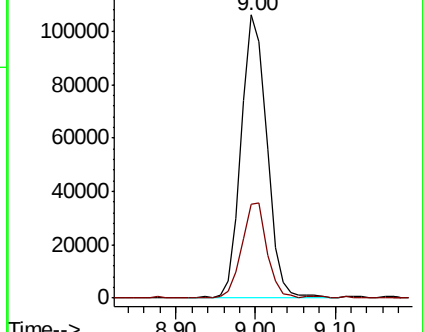
76 100

78 33.2 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 102.853 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF062838.D

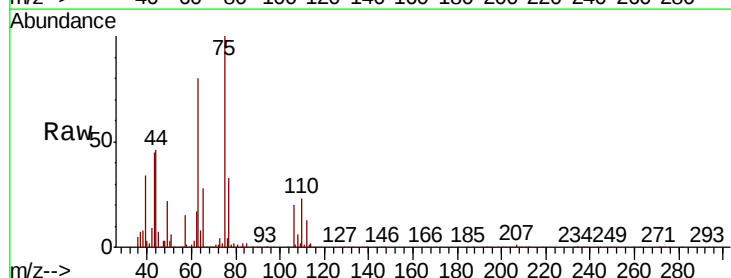
Acq: 4 Jun 2019 14:56

Tgt Ion: 63 Resp: 239797

Ion Ratio Lower Upper

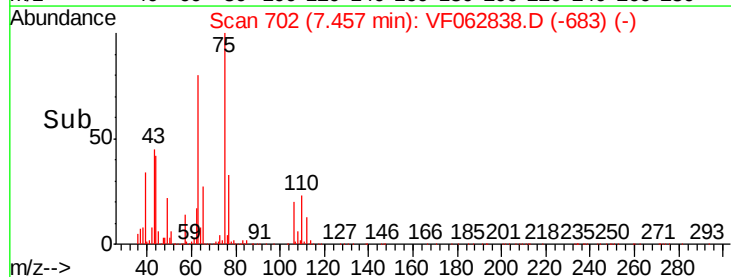
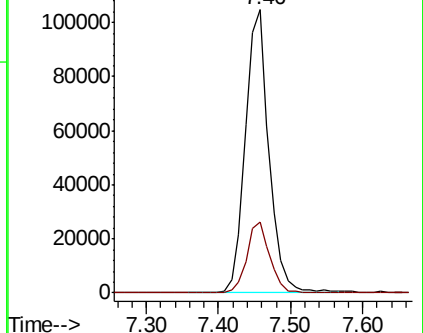
63 100

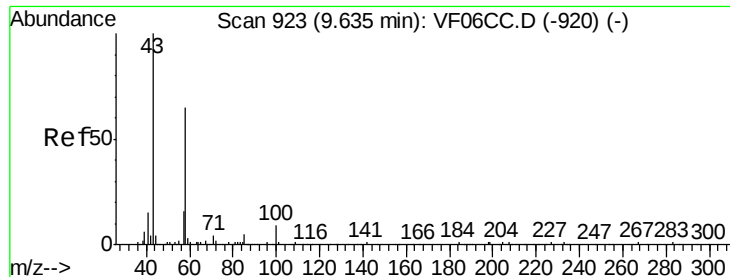
106 25.0 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

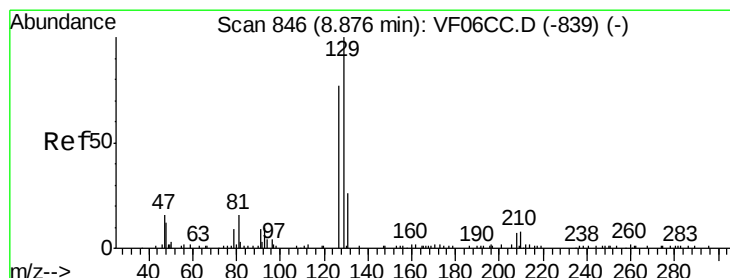
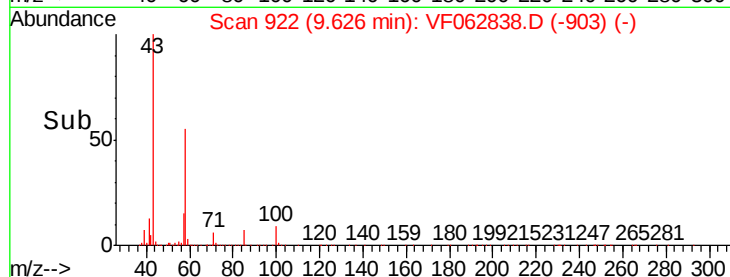
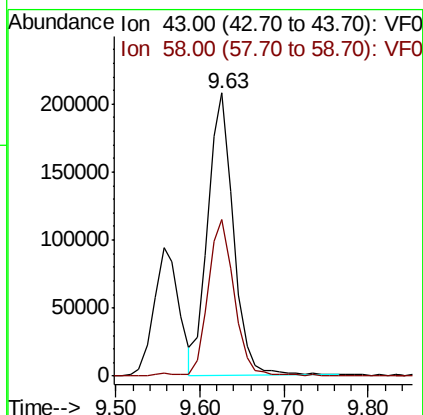
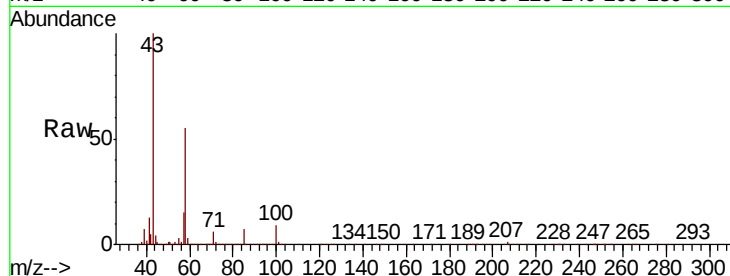




#59
2-Hexanone
Concen: 127.738 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

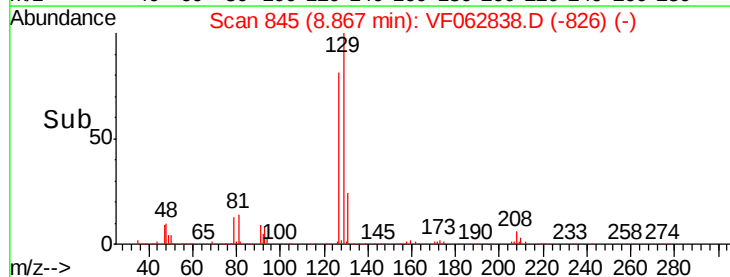
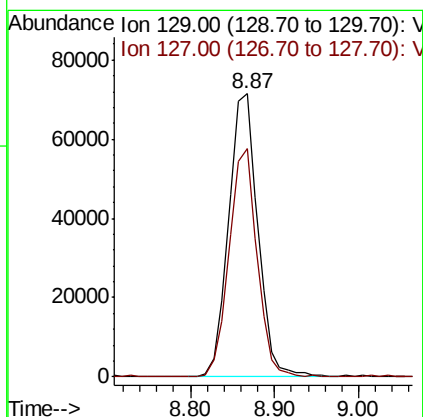
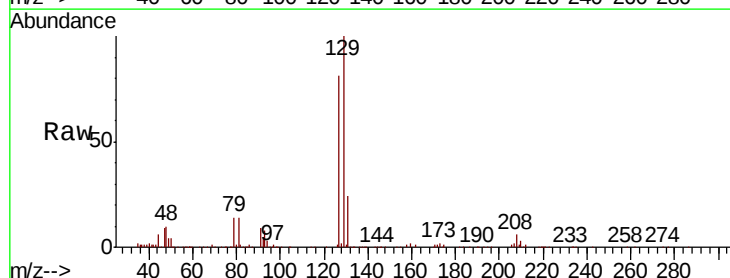
Instrument :
MSVOA_F
ClientSampleId :

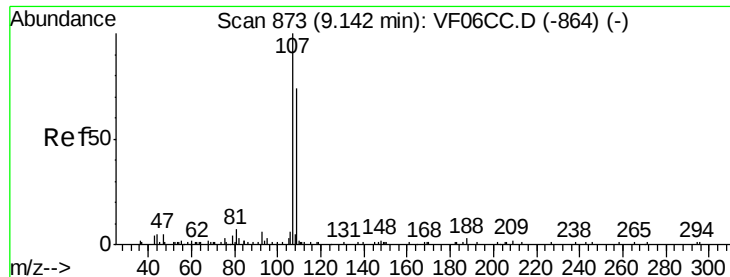
Tot Ion: 43 Resp: 435788
Ion Ratio Lower Upper
43 100
58 55.3 29.3 87.9



#60
Dibromochloromethane
Concen: 22.484 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion:129 Resp: 173071
Ion Ratio Lower Upper
129 100
127 80.7 37.1 111.3

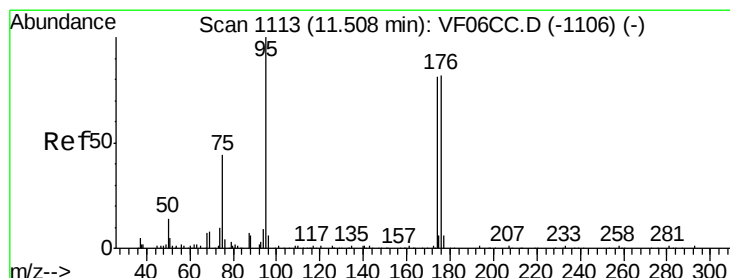
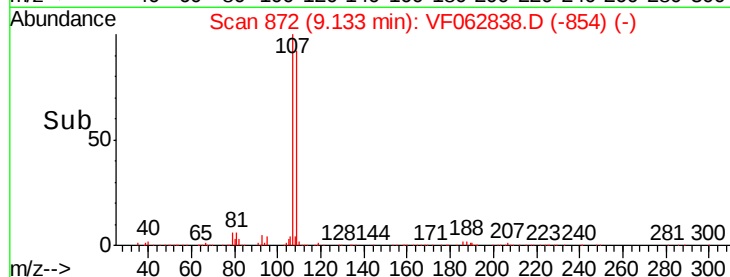
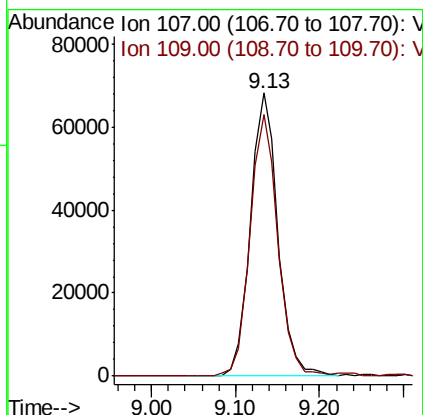
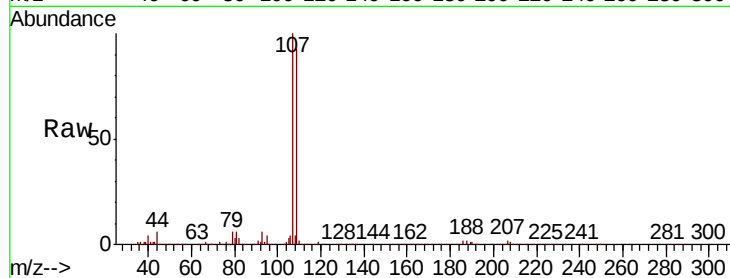




#61
 1,2-Dibromoethane
 Concen: 24.227 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

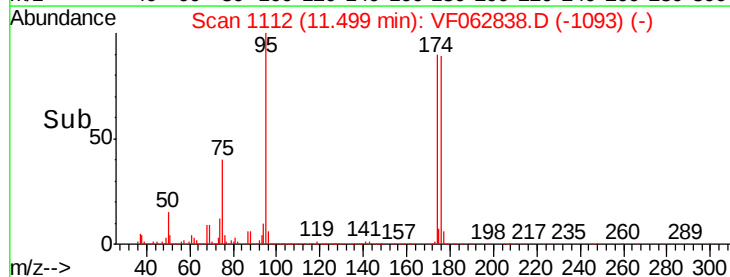
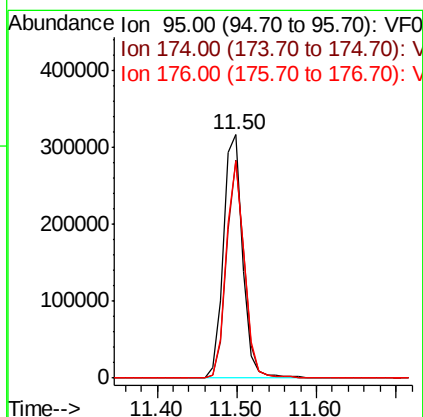
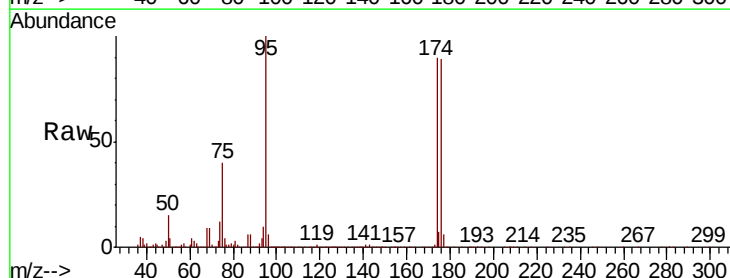
Instrument :
 MSVOA_F
 ClientSampleId :

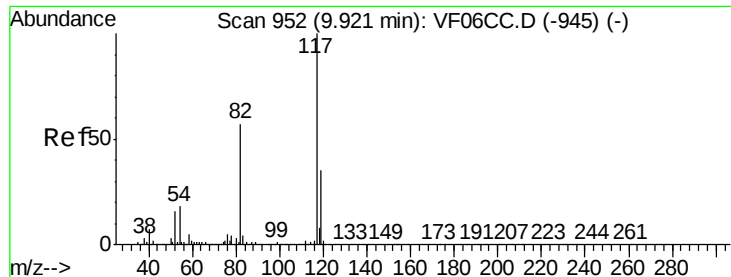
Tot Ion:107 Resp: 156434
 Ion Ratio Lower Upper
 107 100
 109 92.6 78.1 117.1



#62
 4-Bromofluorobenzene
 Concen: 54.658 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion: 95 Resp: 541810
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 170.6
 176 89.2 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: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :

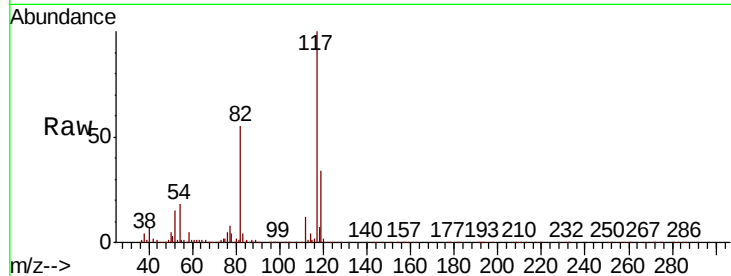
Tot Ion:117 Resp: 1092347

Ion Ratio Lower Upper

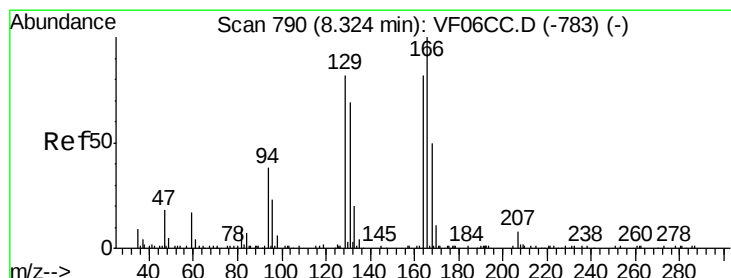
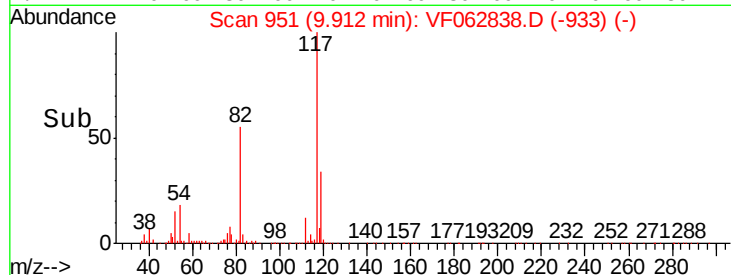
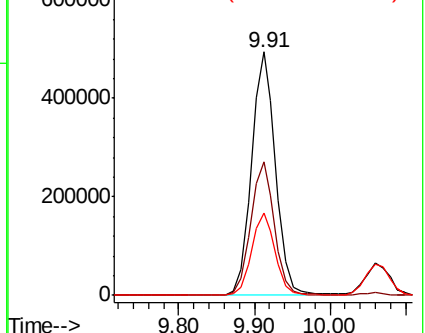
117 100

82 54.6 42.4 63.6

119 34.0 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



#64

Tetrachloroethene

Concen: 22.419 ug/l

RT: 8.31 min Scan# 788

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion:164 Resp: 188185

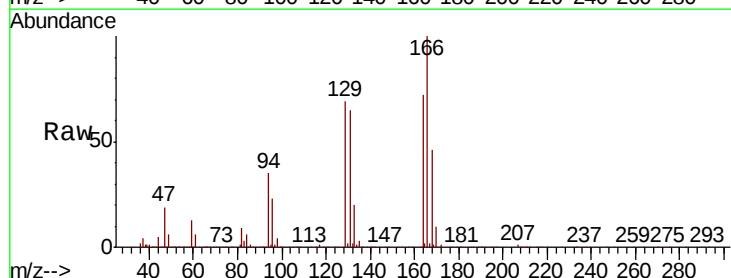
Ion Ratio Lower Upper

164 100

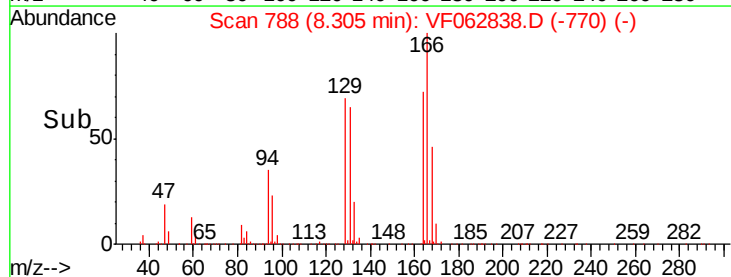
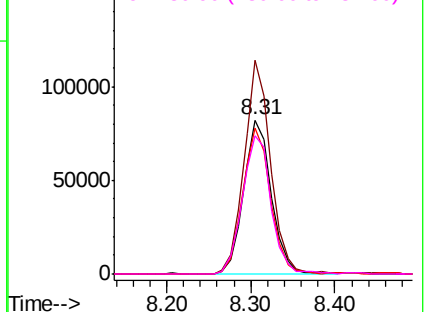
166 138.8 99.1 148.7

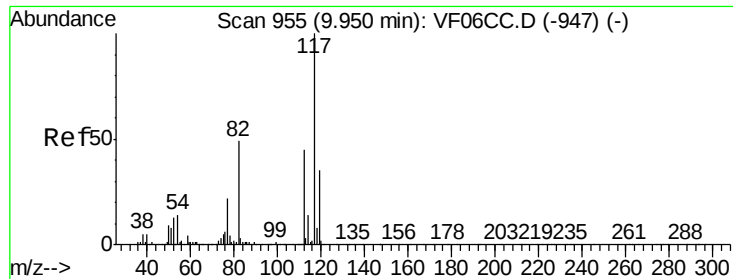
129 95.2 69.5 104.3

131 89.6 69.2 103.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 22.009 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

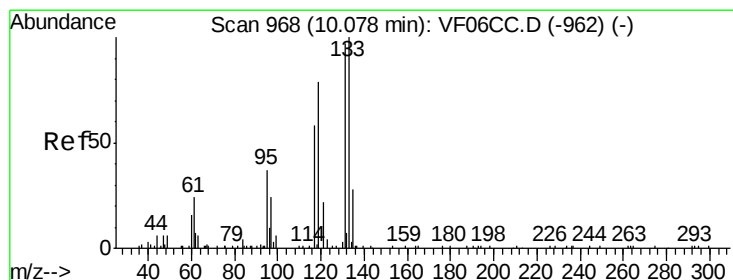
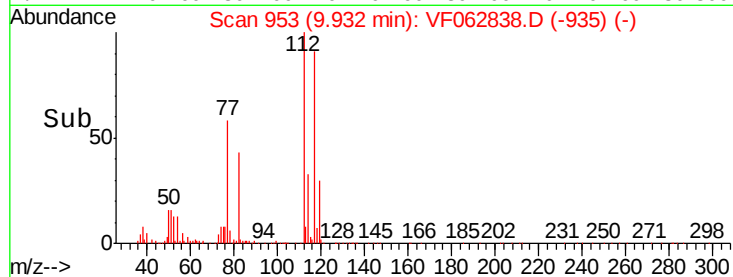
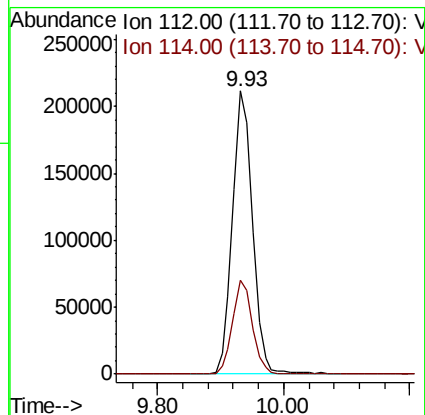
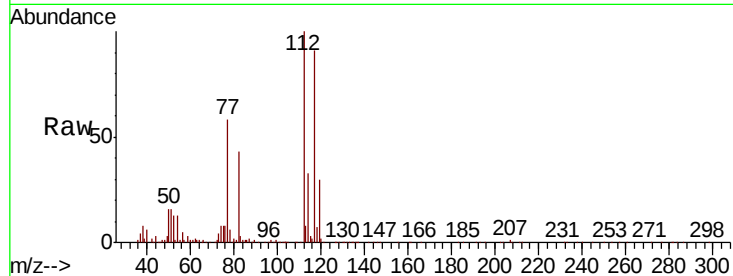
ClientSampled :

Tot Ion:112 Resp: 464275

Ion Ratio Lower Upper

112 100

114 33.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.574 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

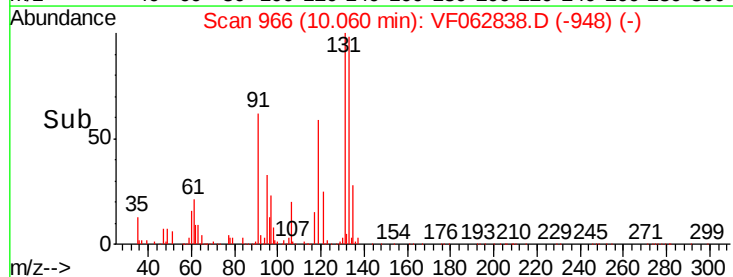
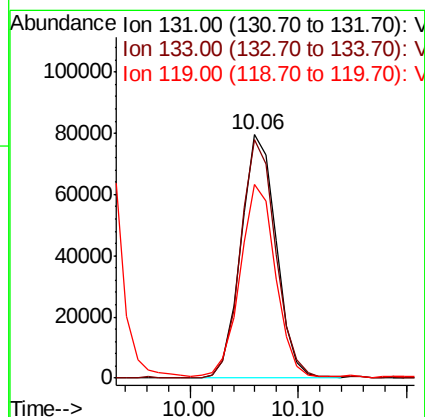
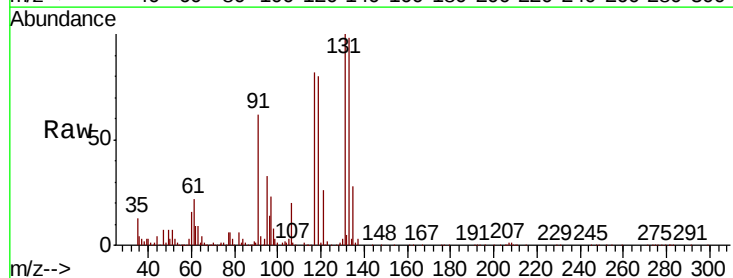
Tgt Ion:131 Resp: 181251

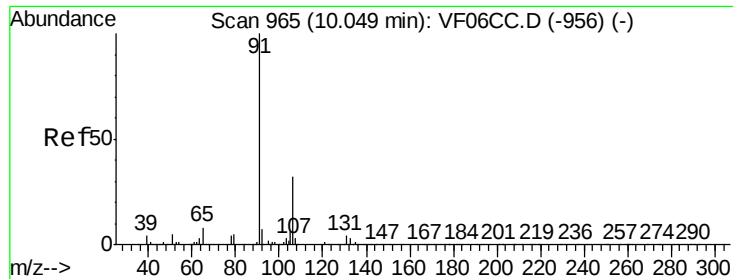
Ion Ratio Lower Upper

131 100

133 97.8 48.9 146.7

119 79.7 38.0 114.0





#67

Ethyl Benzene

Concen: 21.815 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

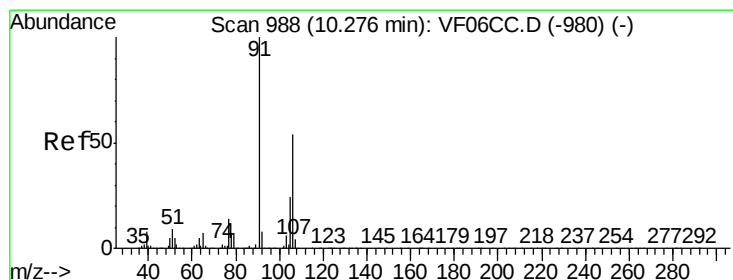
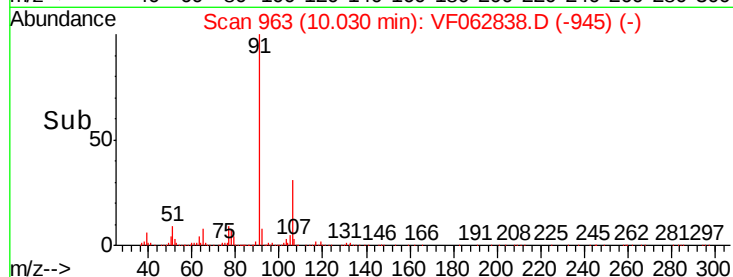
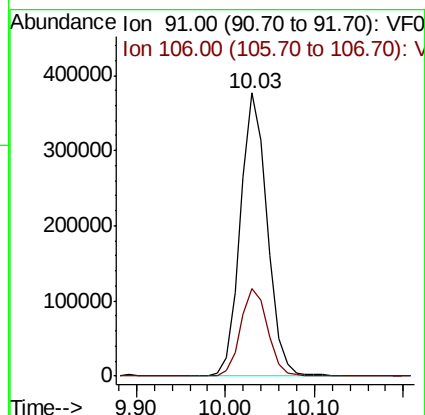
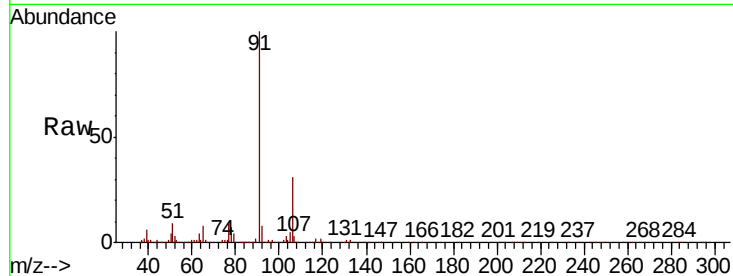
ClientSampleId :

Tot Ion: 91 Resp: 789689

Ion Ratio Lower Upper

91 100

106 31.1 26.0 39.0



#68

m/p-Xylenes

Concen: 46.157 ug/l

RT: 10.26 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062838.D

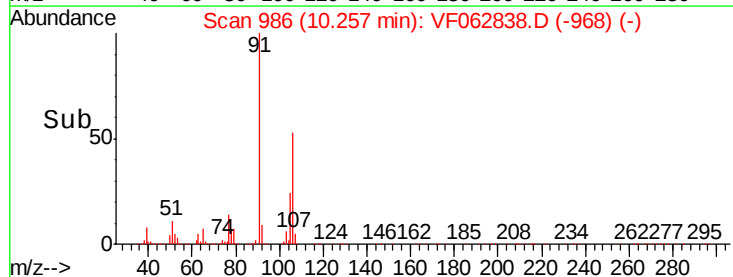
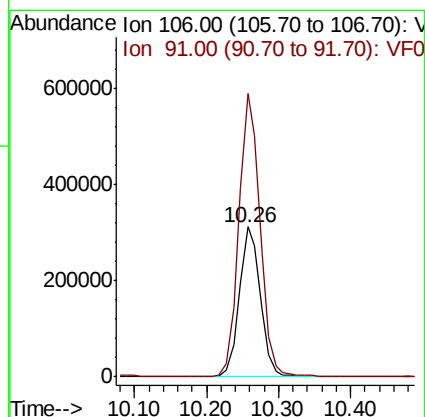
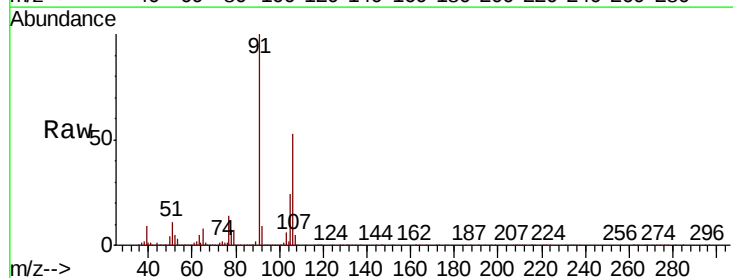
Acq: 4 Jun 2019 14:56

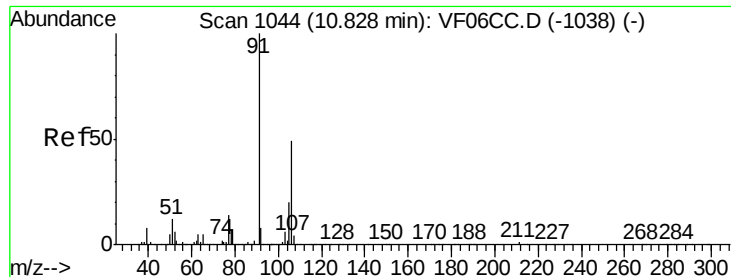
Tgt Ion: 106 Resp: 639382

Ion Ratio Lower Upper

106 100

91 188.8 136.2 204.4

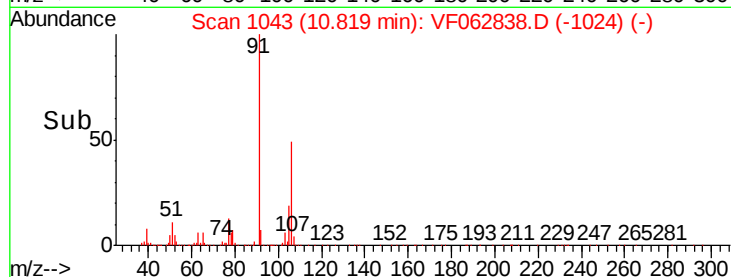
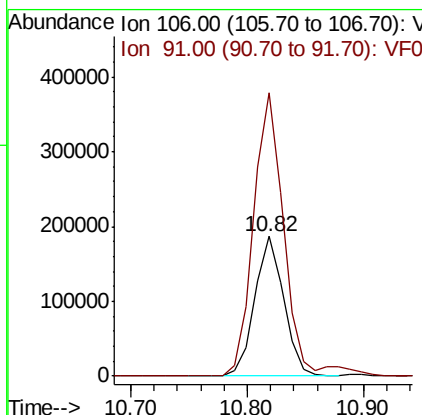
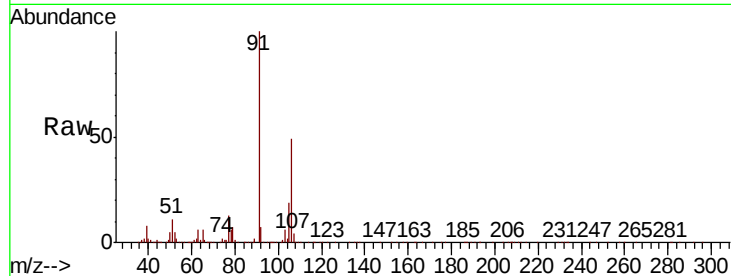




#69
o-Xylene
Concen: 23.171 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

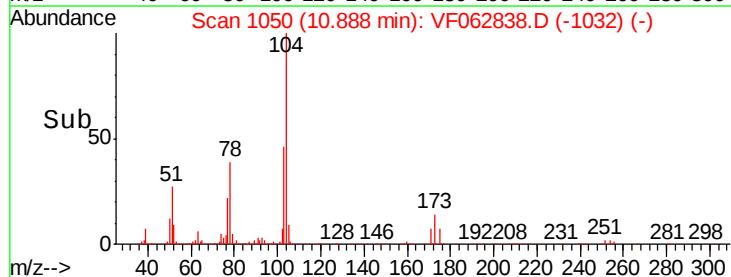
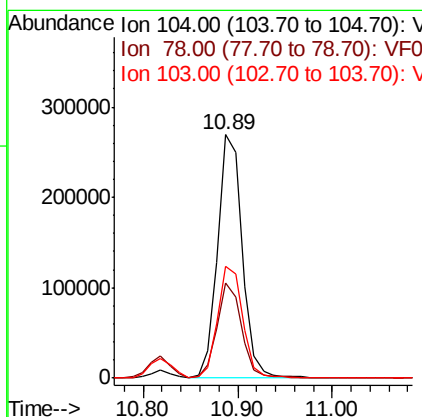
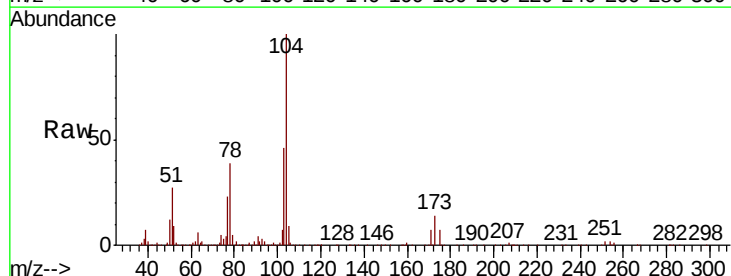
Instrument :
MSVOA_F
ClientSampled :

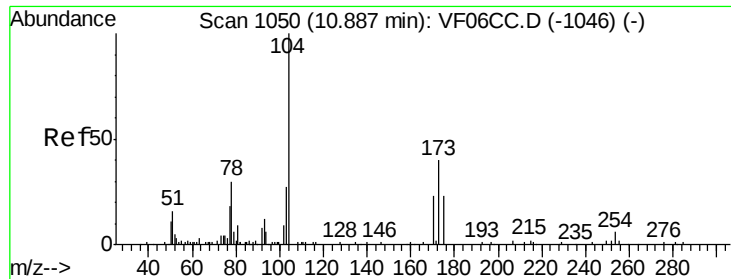
Tot Ion:106 Resp: 324979
Ion Ratio Lower Upper
106 100
91 202.2 96.6 289.8



#70
Styrene
Concen: 23.436 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion:104 Resp: 484477
Ion Ratio Lower Upper
104 100
78 39.1 30.8 46.2
103 46.2 35.8 53.6





#71

Bromoform

Concen: 23.014 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

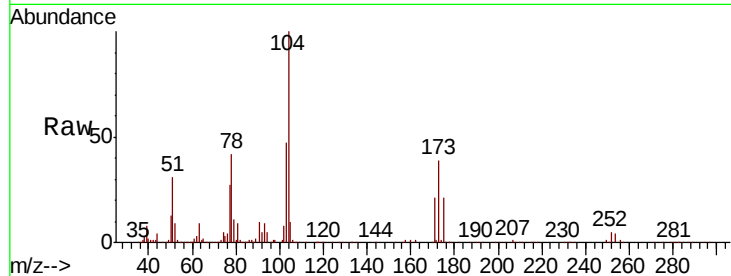
Tot Ion:173 Resp: 92752

Ion Ratio Lower Upper

173 100

175 53.5 24.6 74.0

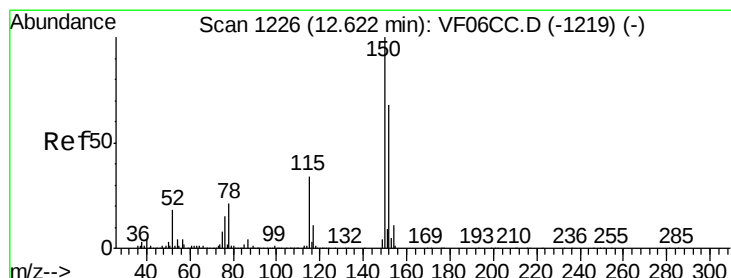
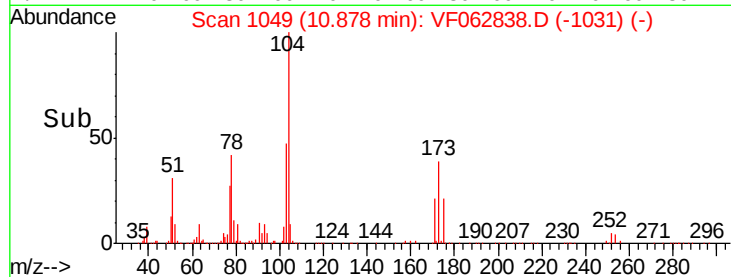
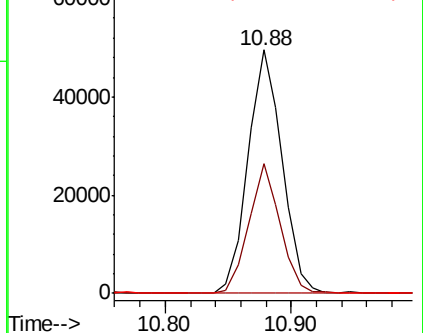
254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

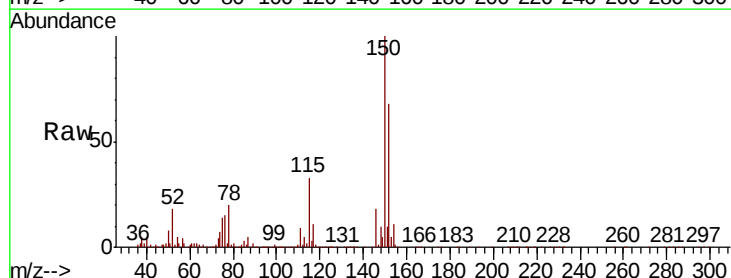
Tgt Ion:152 Resp: 570268

Ion Ratio Lower Upper

152 100

115 48.4 24.6 74.0

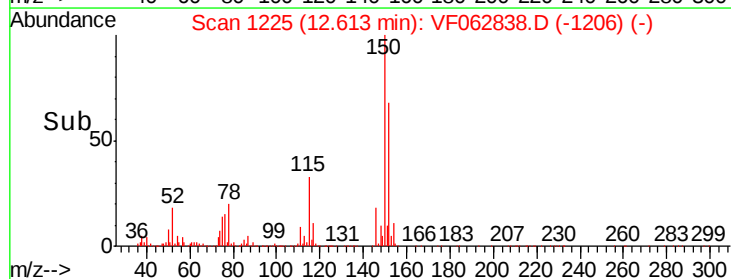
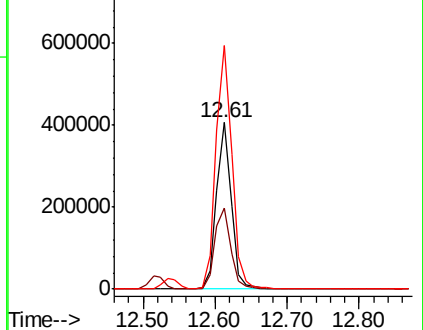
150 146.1 0.0 290.6

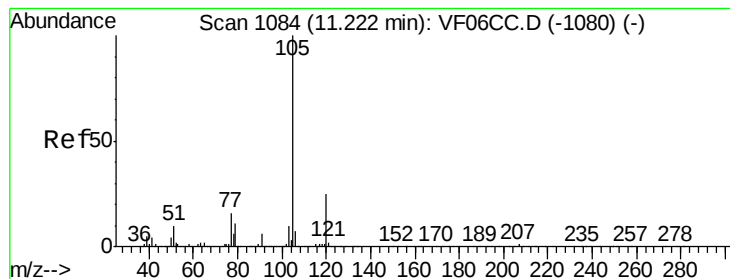


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.172 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

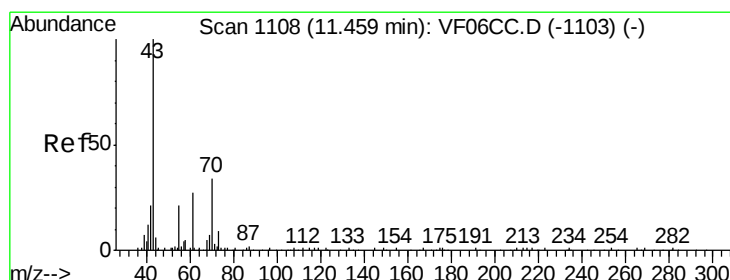
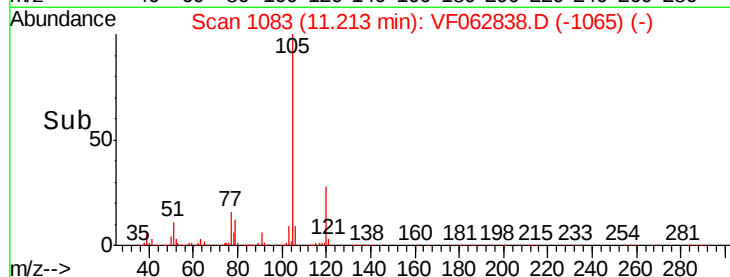
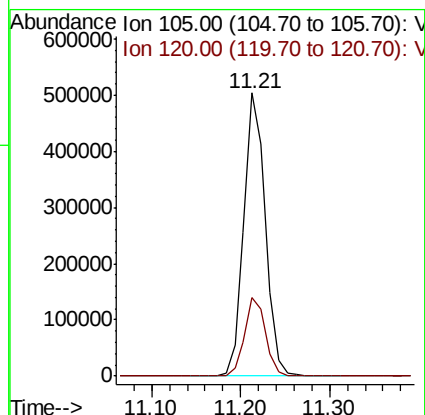
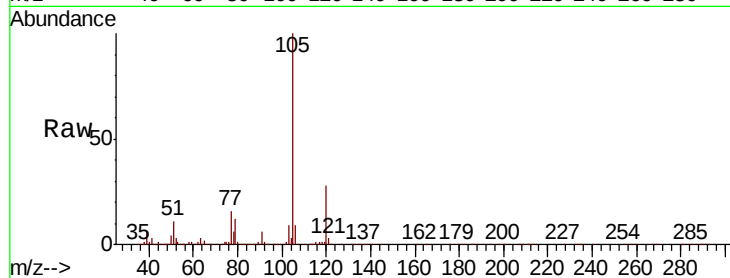
ClientSampleId :

Tot Ion:105 Resp: 842456

Ion Ratio Lower Upper

105 100

120 27.9 15.1 45.3



#74

N-ethyl acetate

Concen: 22.101 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion: 43 Resp: 247859

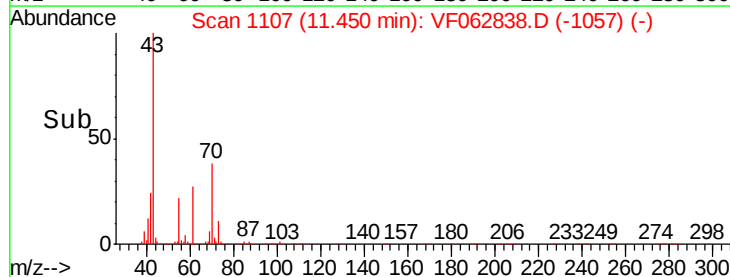
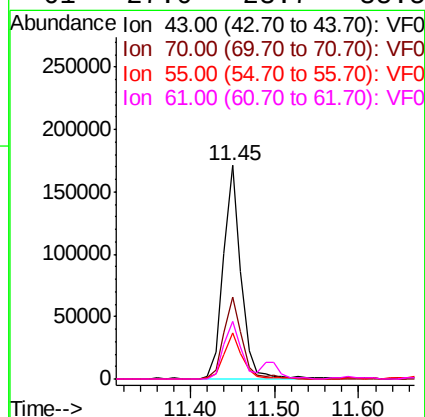
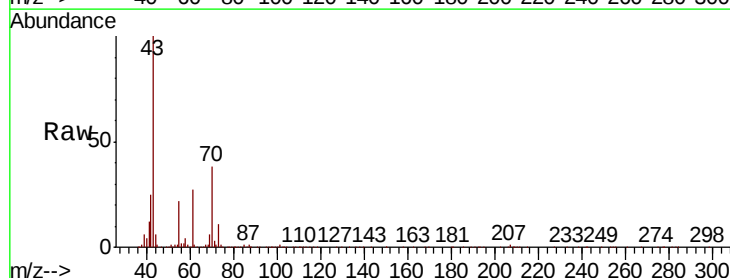
Ion Ratio Lower Upper

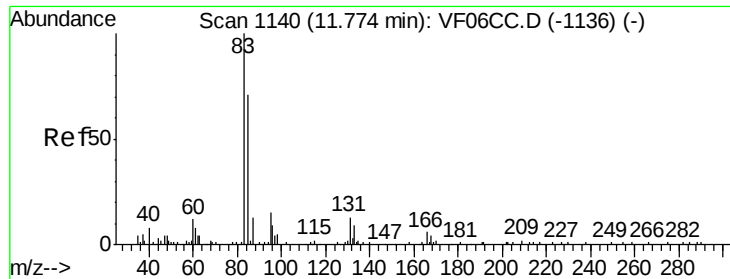
43 100

70 38.4 32.9 49.3

55 21.8 17.3 25.9

61 27.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.758 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

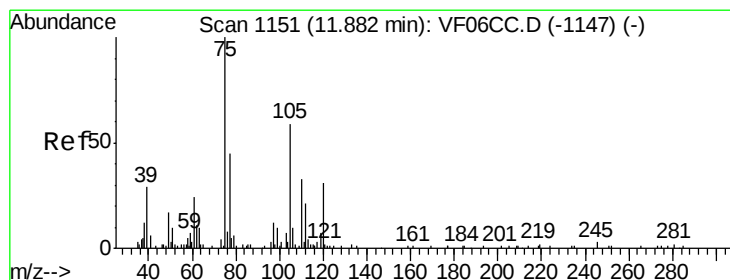
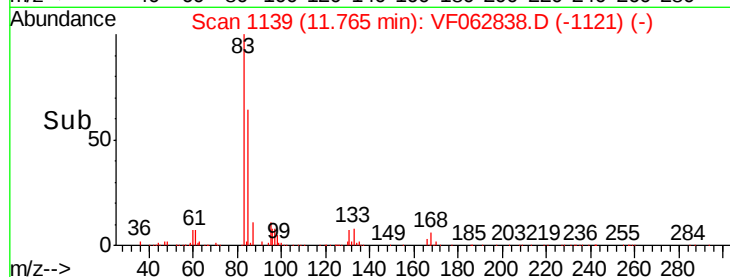
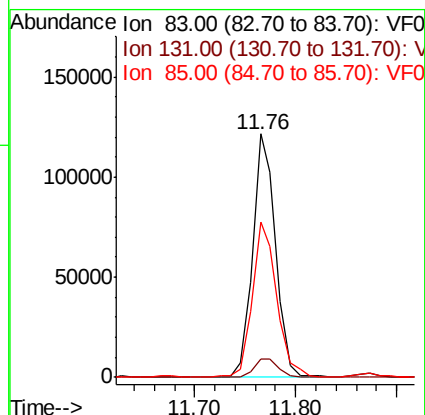
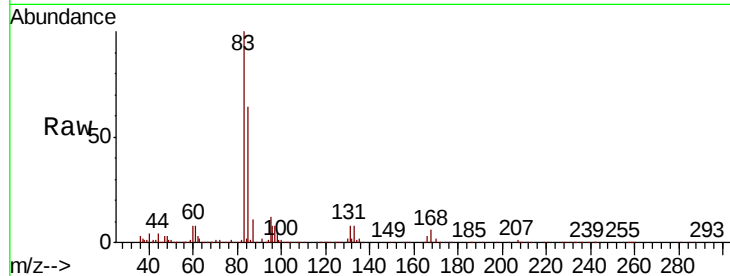
Tot Ion: 83 Resp: 193384

Ion Ratio Lower Upper

83 100

131 7.7 4.9 14.7

85 63.8 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 21.798 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062838.D

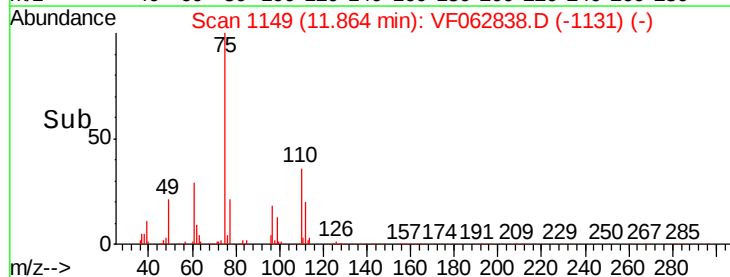
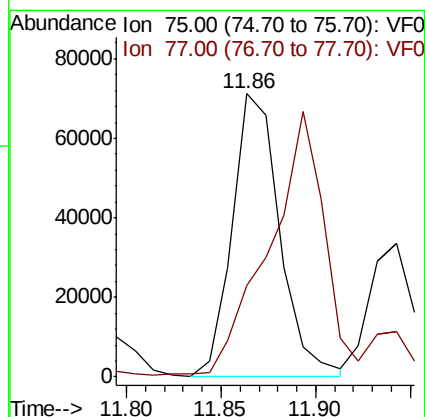
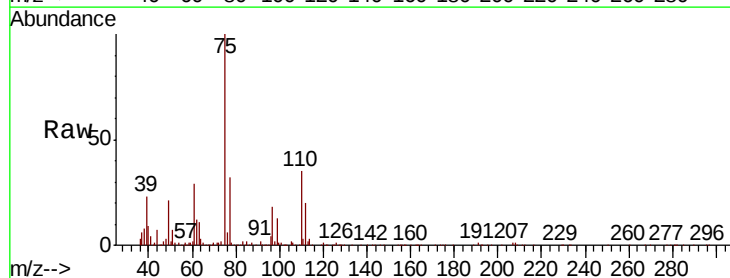
Acq: 4 Jun 2019 14:56

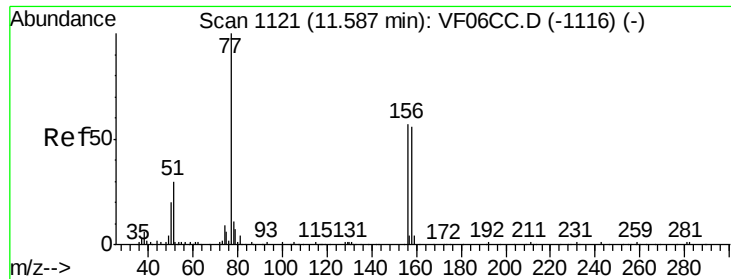
Tgt Ion: 75 Resp: 122781

Ion Ratio Lower Upper

75 100

77 32.5 20.1 60.2





#77

Bromobenzene

Concen: 21.175 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

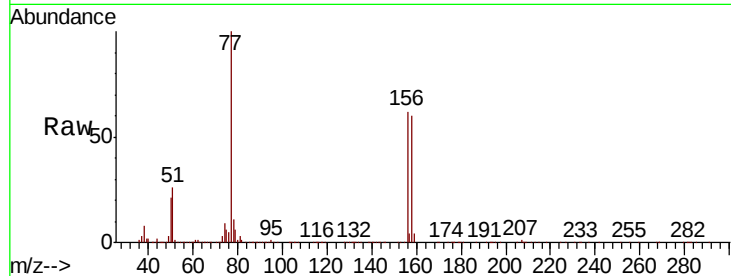
Tot Ion:156 Resp: 211706

Ion Ratio Lower Upper

156 100

77 160.7 64.2 192.6

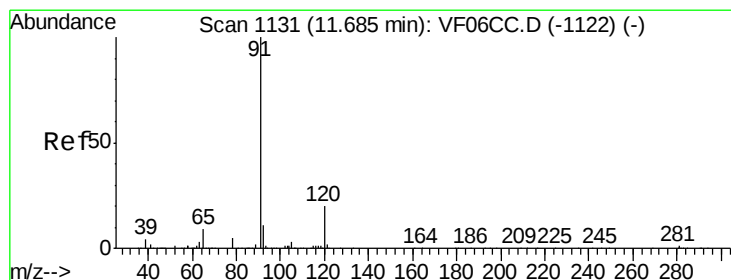
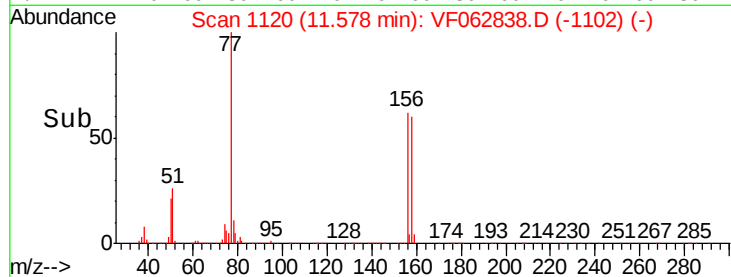
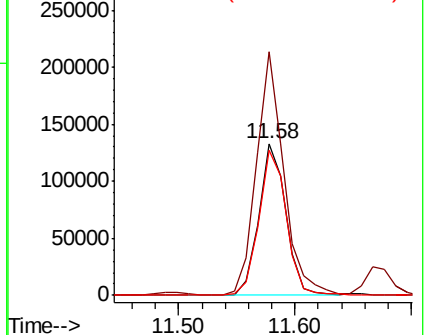
158 96.2 50.3 151.0



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: 21.640 ug/l

RT: 11.67 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062838.D

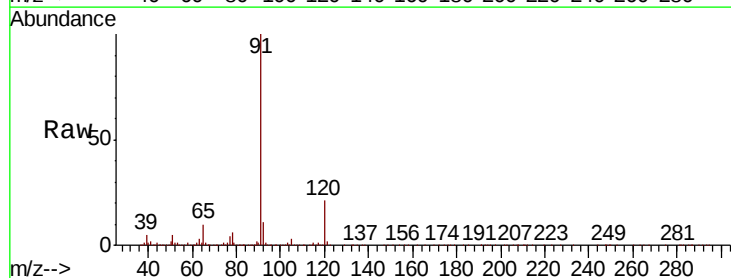
Acq: 4 Jun 2019 14:56

Tgt Ion: 91 Resp: 1039686

Ion Ratio Lower Upper

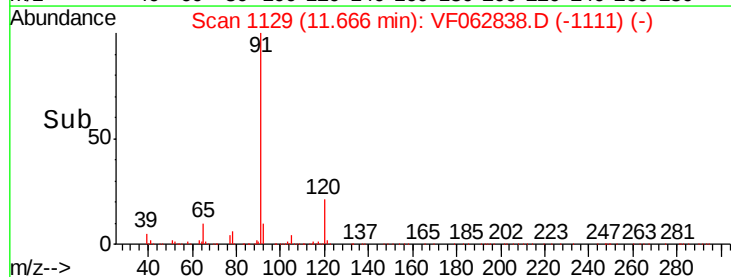
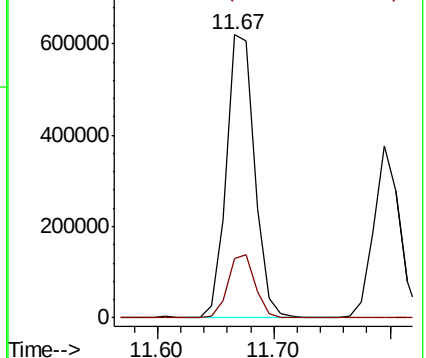
91 100

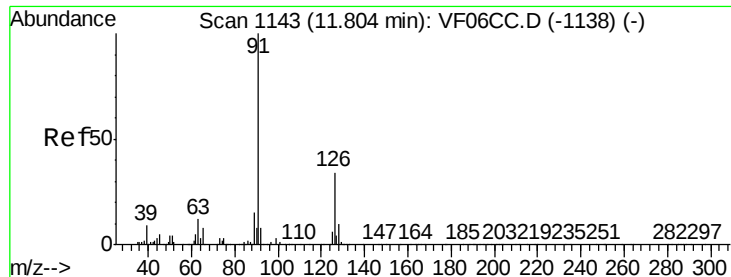
120 20.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

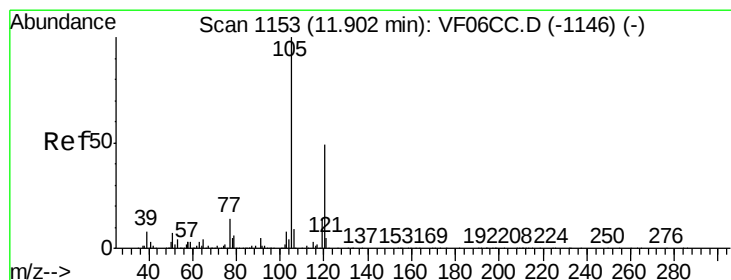
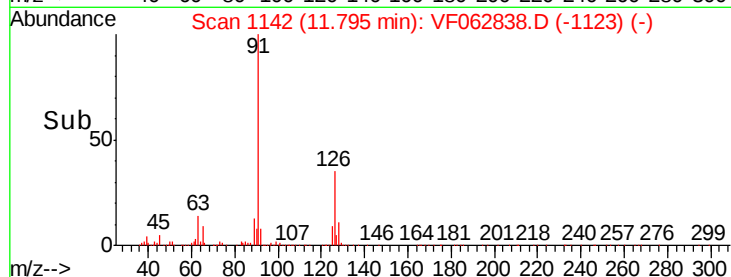
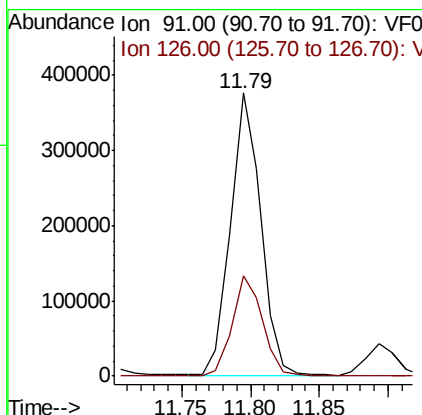
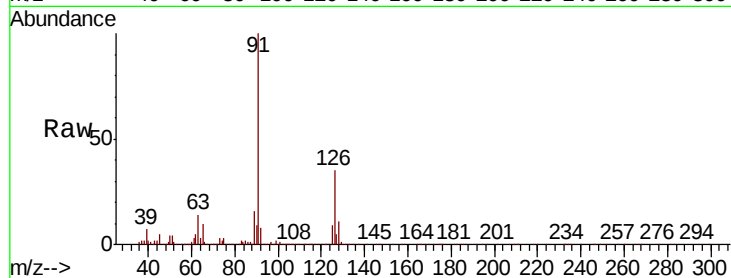




#79
 2-Chlorotoluene
 Concen: 20.797 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

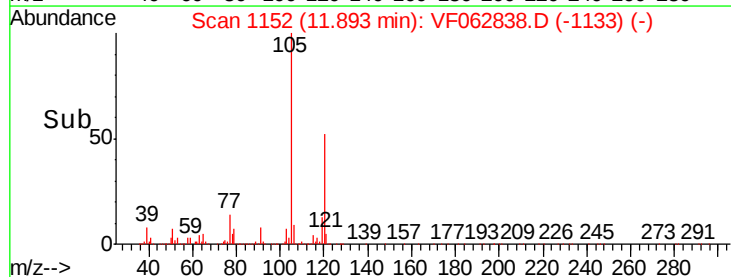
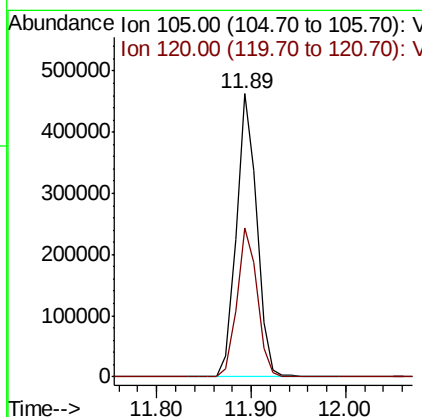
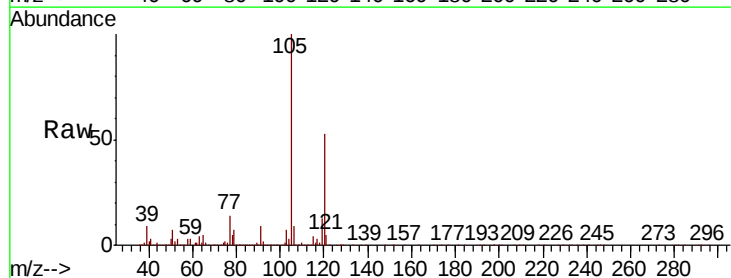
Instrument :
 MSVOA_F
 ClientSampleId :

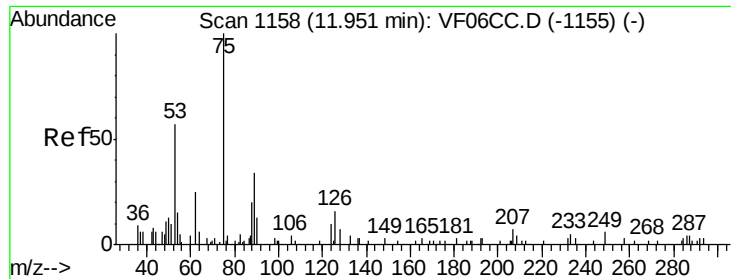
Tot Ion: 91 Resp: 571729
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.345 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion: 105 Resp: 694585
 Ion Ratio Lower Upper
 105 100
 120 52.8 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 27.736 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

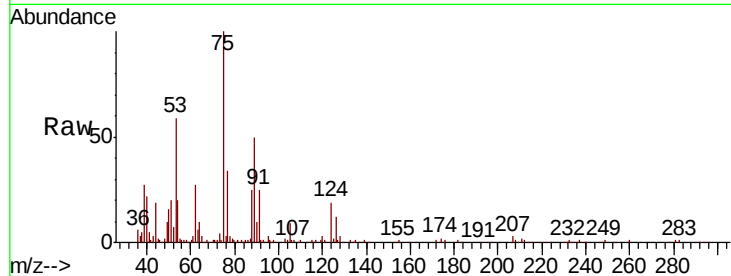
Tot Ion: 75 Resp: 66141

Ion Ratio Lower Upper

75 100

53 58.6 43.5 65.3

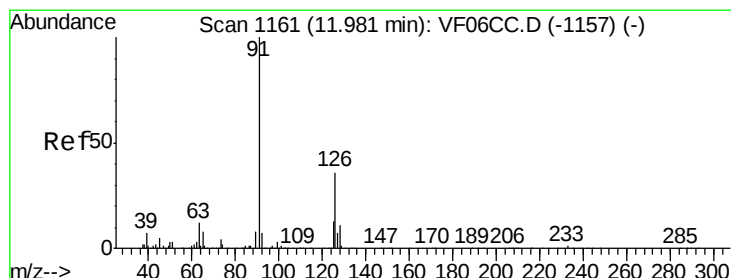
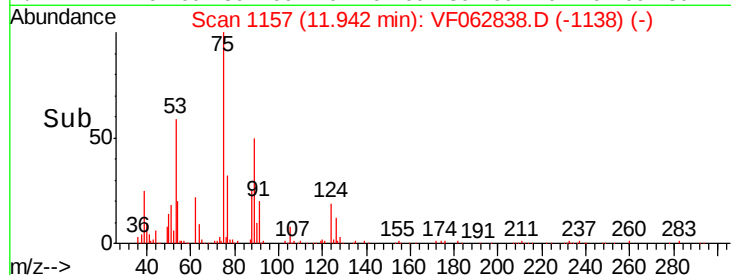
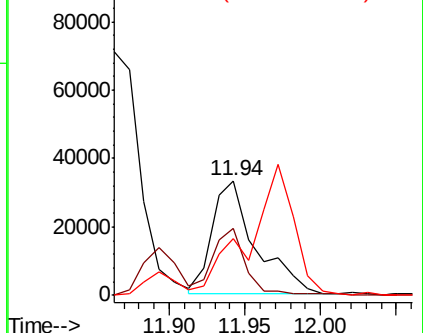
89 50.0 34.3 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 21.559 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062838.D

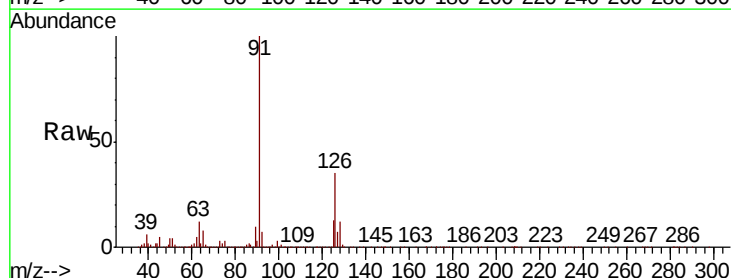
Acq: 4 Jun 2019 14:56

Tgt Ion: 91 Resp: 582445

Ion Ratio Lower Upper

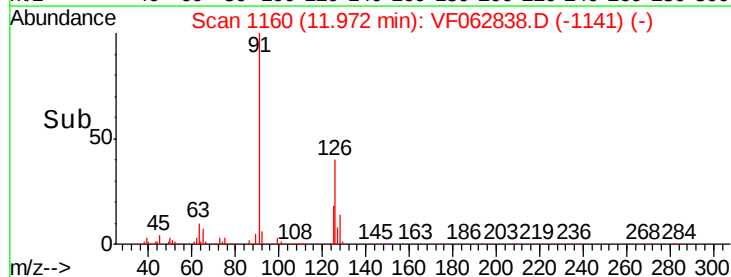
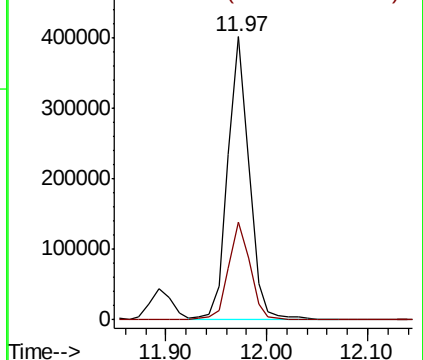
91 100

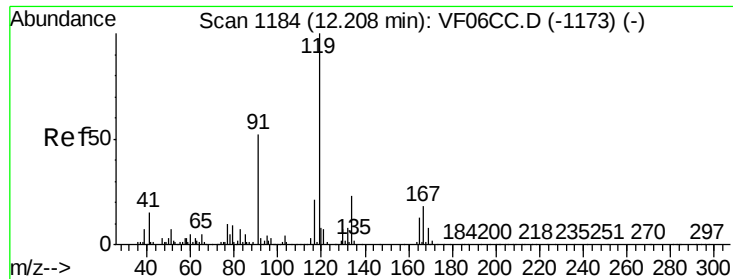
126 34.8 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 21.313 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampled :

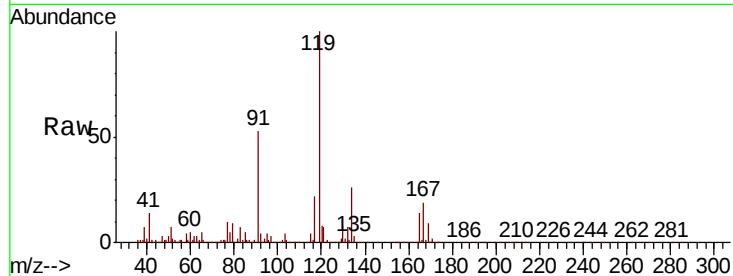
Tot Ion:119 Resp: 687204

Ion Ratio Lower Upper

119 100

91 53.3 28.9 86.7

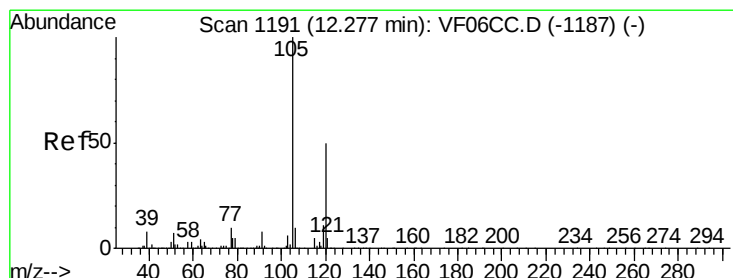
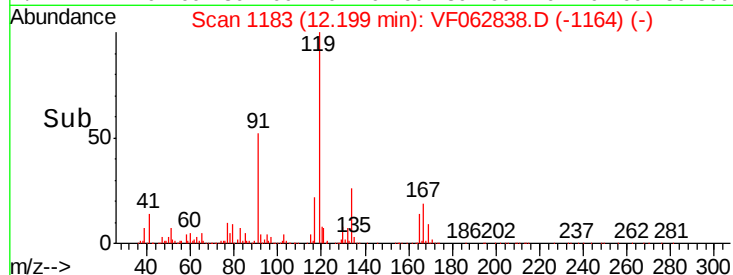
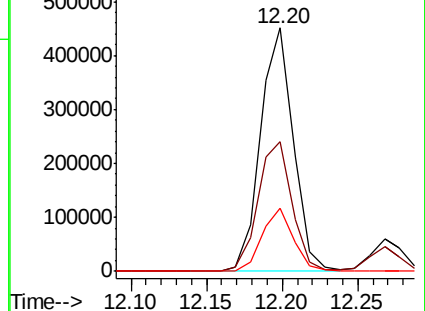
134 25.9 14.3 42.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.710 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062838.D

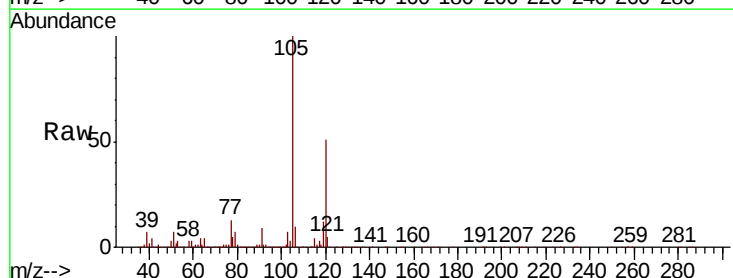
Acq: 4 Jun 2019 14:56

Tgt Ion:105 Resp: 700654

Ion Ratio Lower Upper

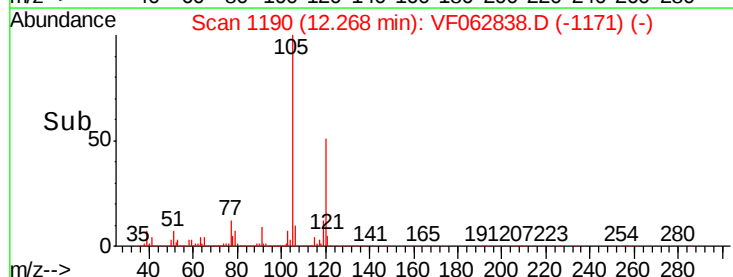
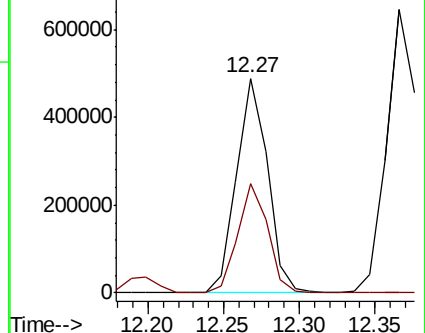
105 100

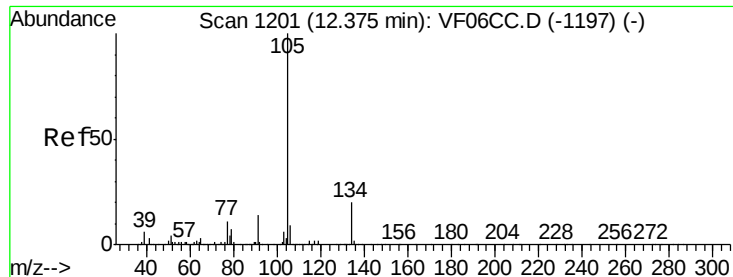
120 50.8 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

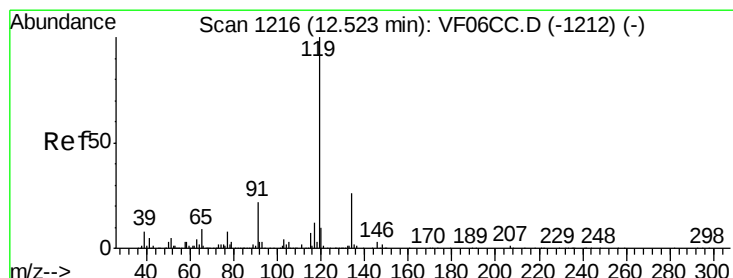
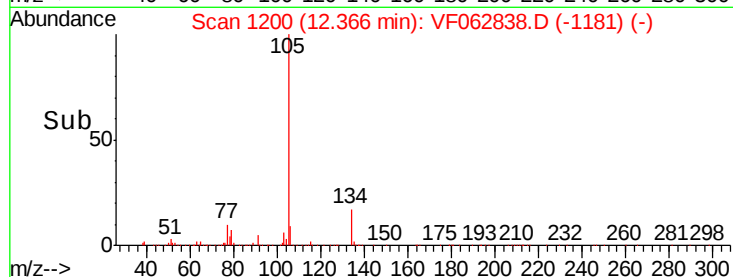
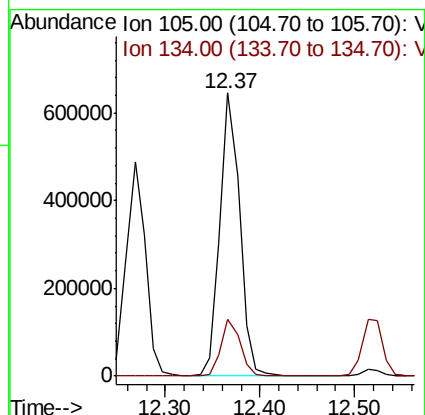
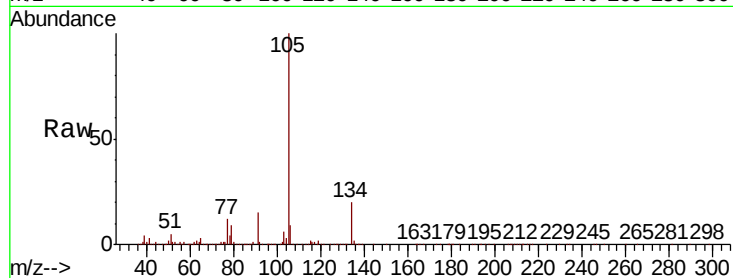




#85
 sec-Butylbenzene
 Concen: 22.095 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

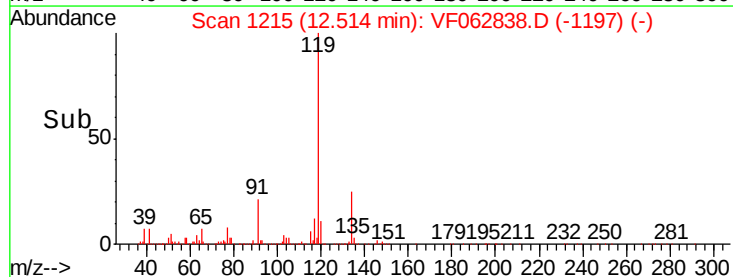
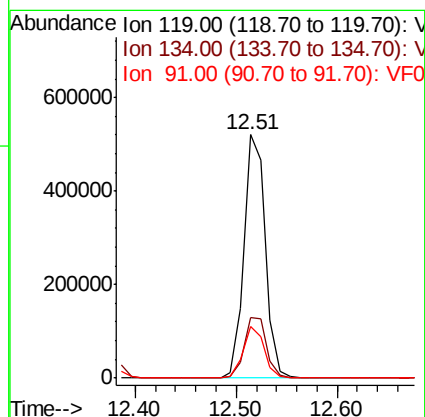
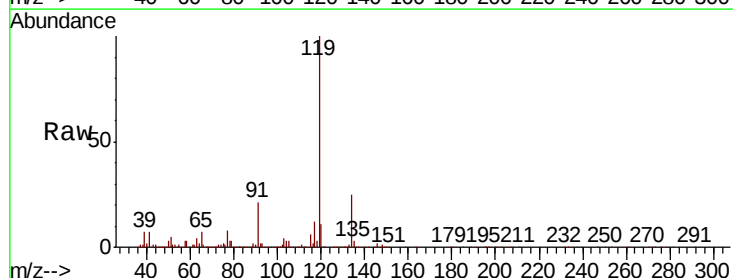
Instrument :
 MSVOA_F
 ClientSampled :

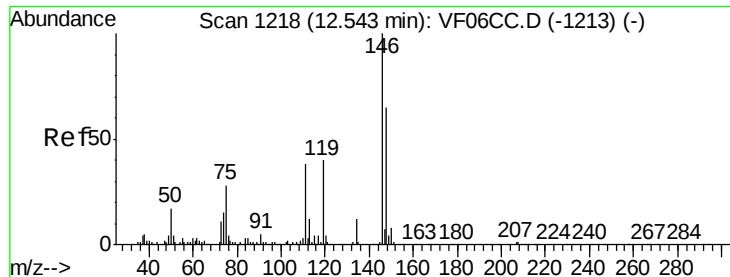
Tot Ion:105 Resp: 938752
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 21.712 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion:119 Resp: 767847
 Ion Ratio Lower Upper
 119 100
 134 24.9 15.5 46.5
 91 21.2 10.3 30.9

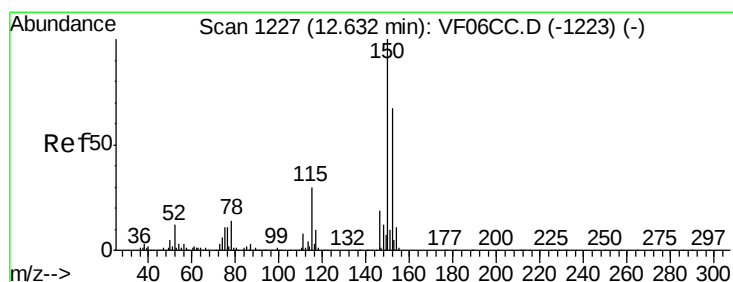
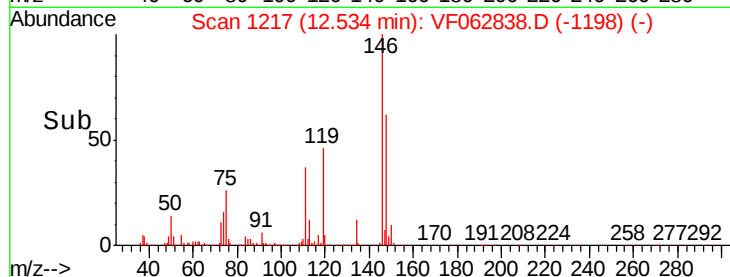
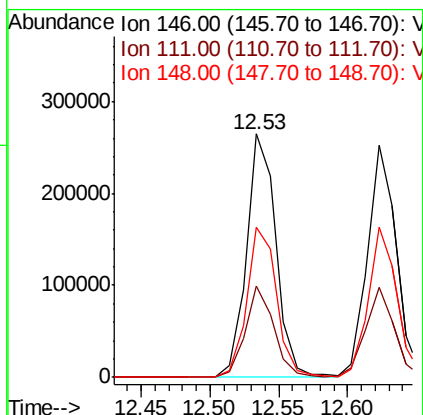
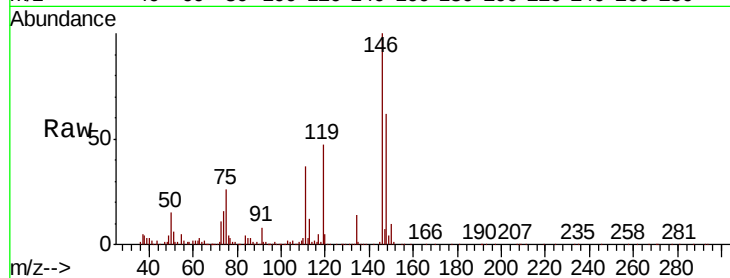




#87
 1,3-Dichlorobenzene
 Concen: 22.608 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

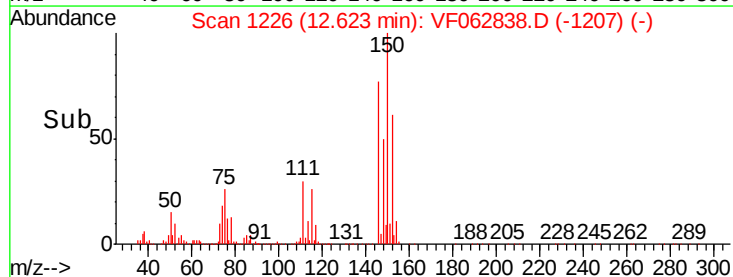
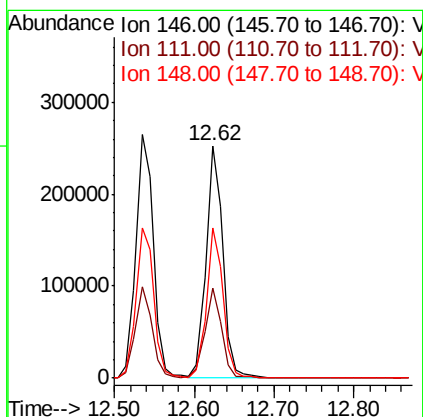
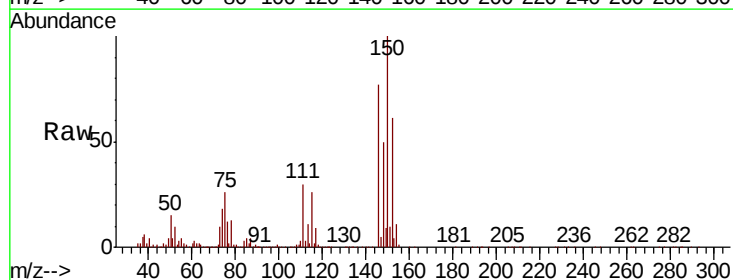
Instrument :
 MSVOA_F
 ClientSampleId :

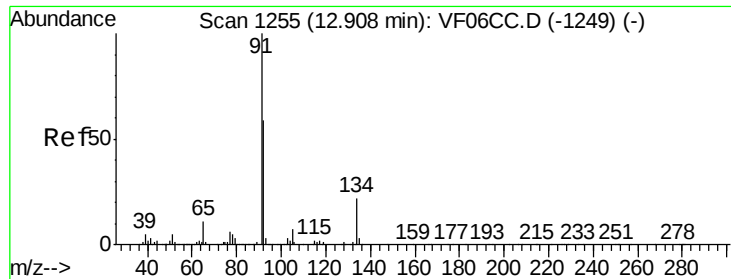
Tot Ion:146 Resp: 398624
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.6 58.8
 148 61.6 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 22.536 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion:146 Resp: 370839
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.3 60.9
 148 64.9 34.0 101.8

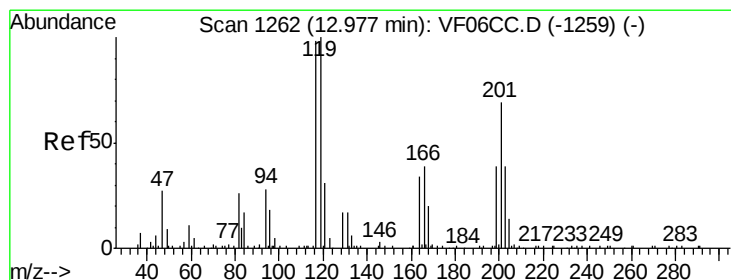
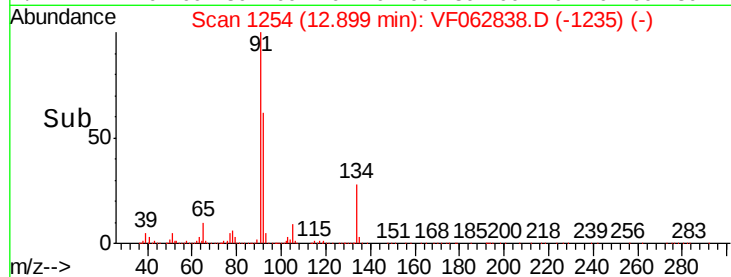
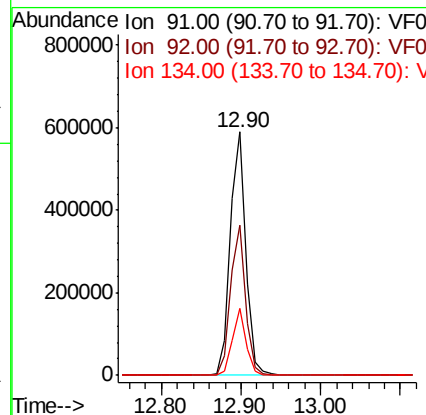
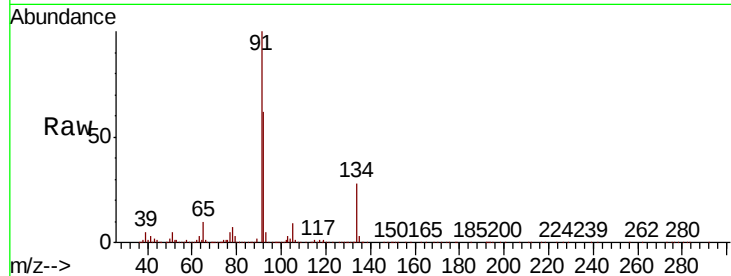




#89
n-Butylbenzene
Concen: 22.849 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

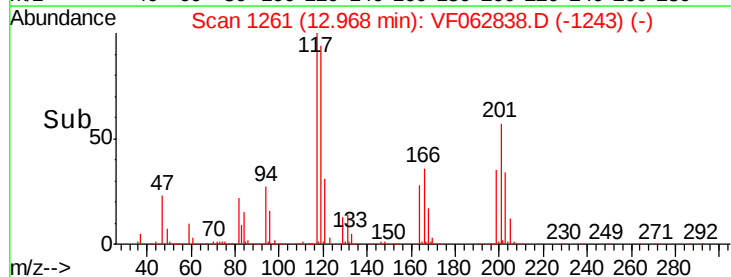
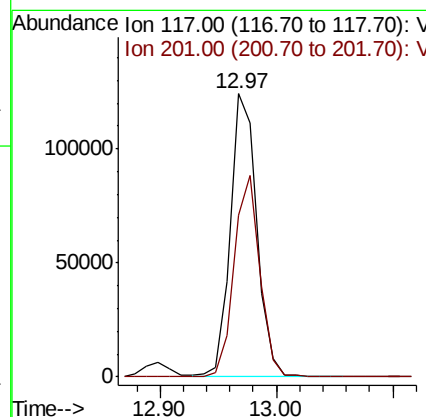
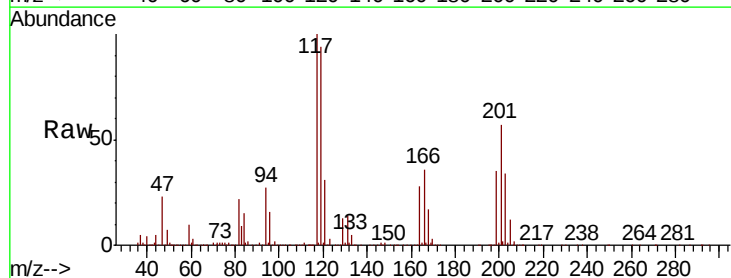
Instrument :
MSVOA_F
ClientSampleId :

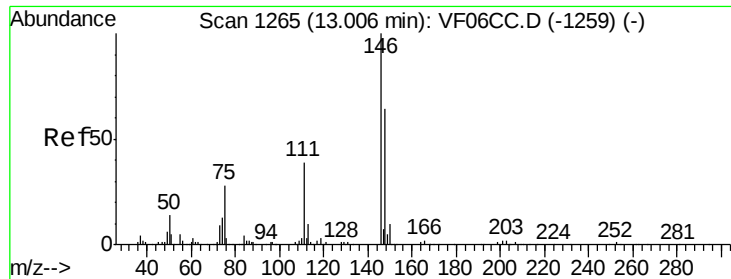
Tot Ion: 91 Resp: 812829
Ion Ratio Lower Upper
91 100
92 61.6 34.2 102.6
134 27.5 15.8 47.3



#90
Hexachloroethane
Concen: 22.613 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 117 Resp: 195045
Ion Ratio Lower Upper
117 100
201 59.3 38.9 116.7

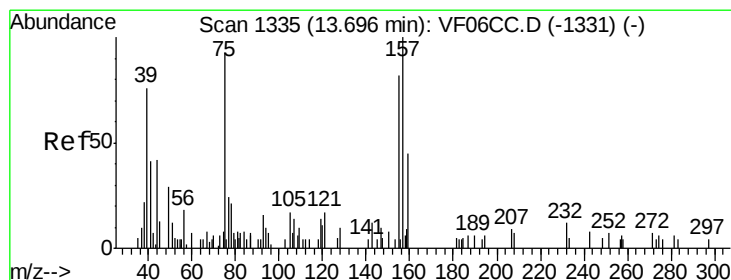
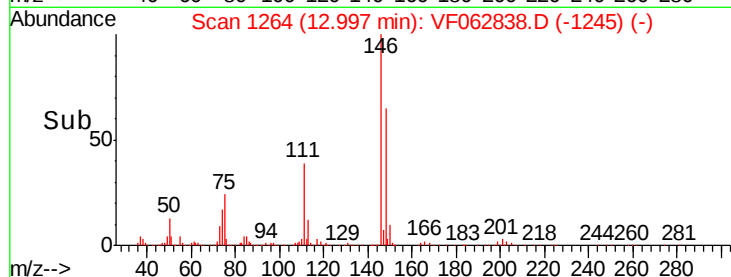
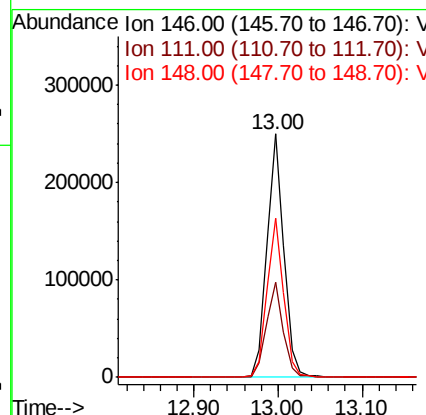
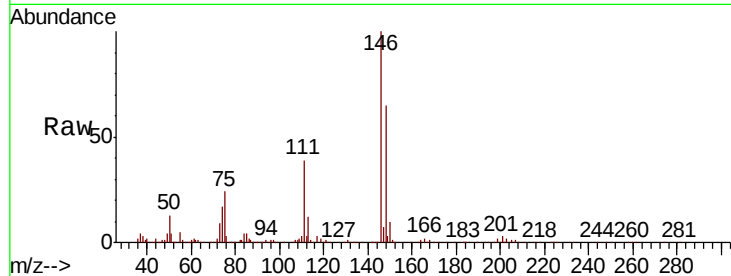




#91
 1,2-Dichlorobenzene
 Concen: 23.076 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

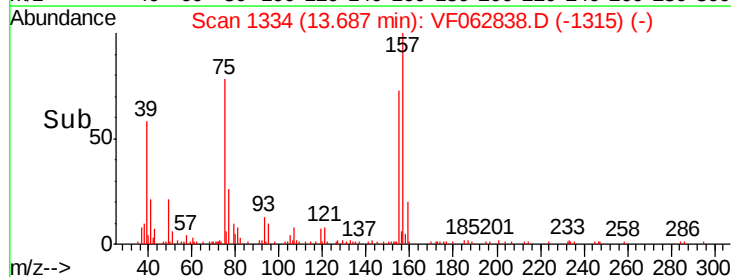
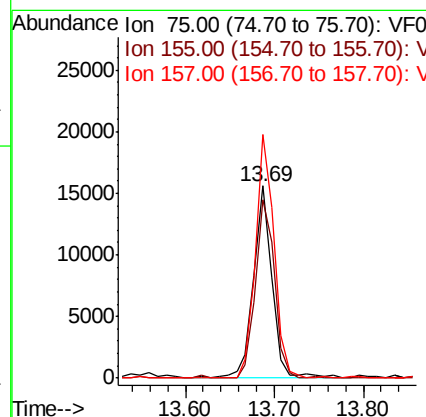
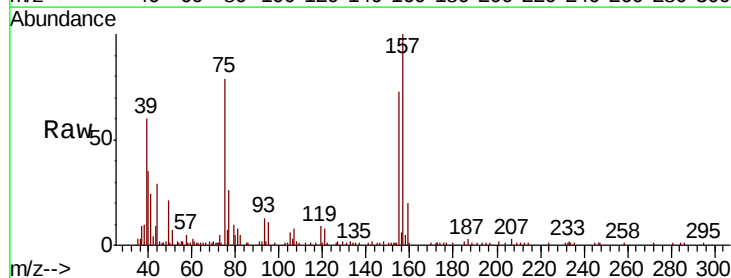
Instrument :
 MSVOA_F
 ClientSampleId :

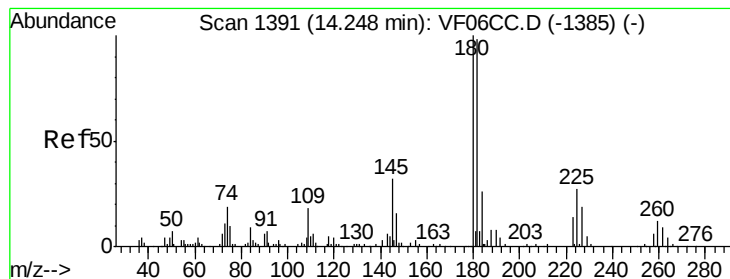
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.4	61.3
148	65.3	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.294 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	51.7	155.1
157	126.8	66.8	200.6





#93

1,2,4-Trichlorobenzene

Concen: 20.714 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

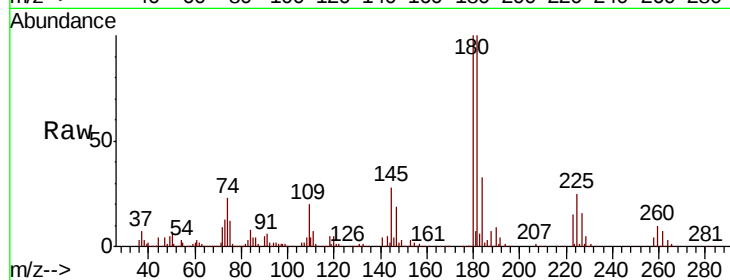
Tot Ion:180 Resp: 220417

Ion Ratio Lower Upper

180 100

182 99.8 50.3 150.9

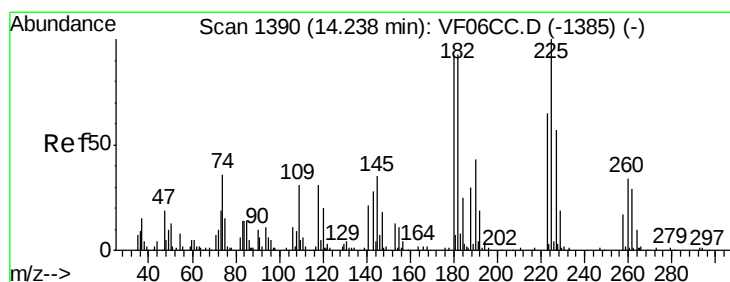
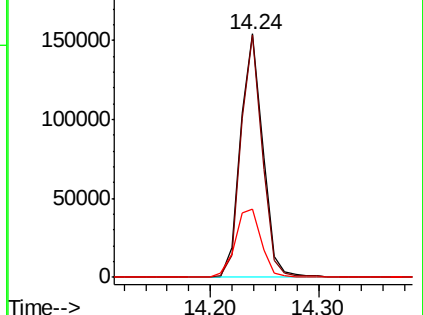
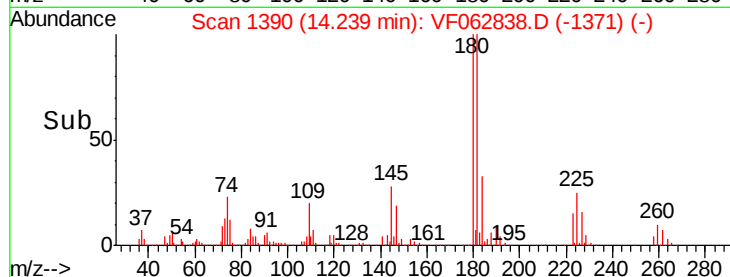
145 27.9 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 20.560 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

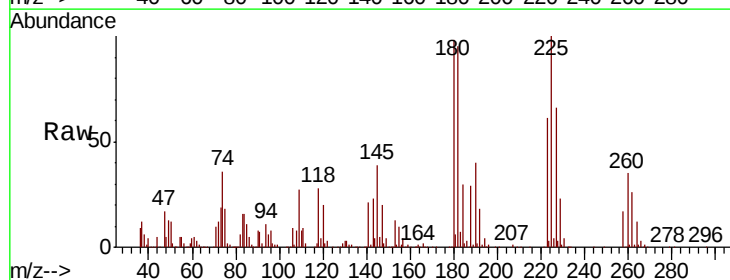
Tgt Ion:225 Resp: 151353

Ion Ratio Lower Upper

225 100

223 60.9 30.8 92.4

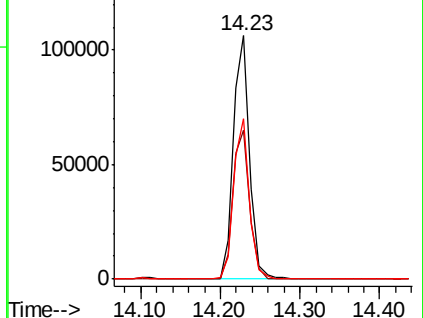
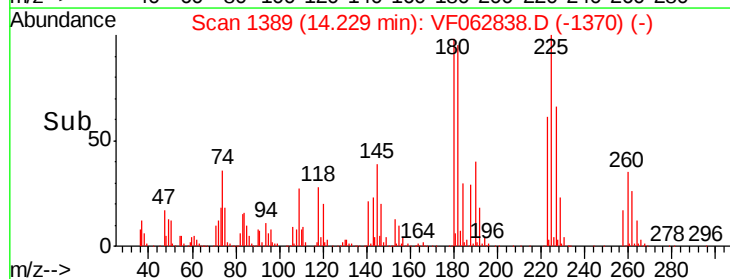
227 66.0 31.9 95.5

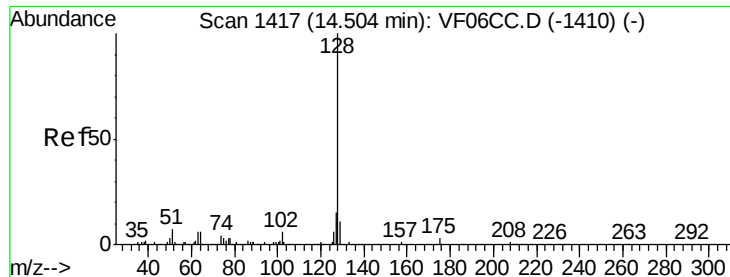


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.321 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

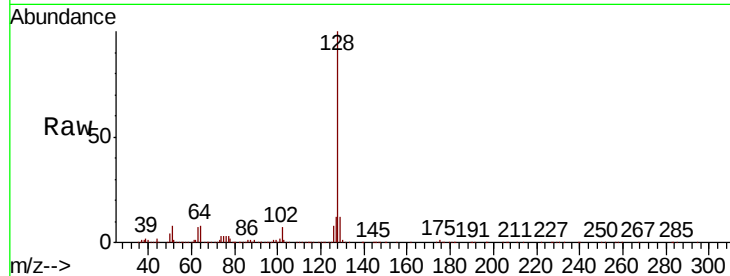
Tot Ion:128 Resp: 371697

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

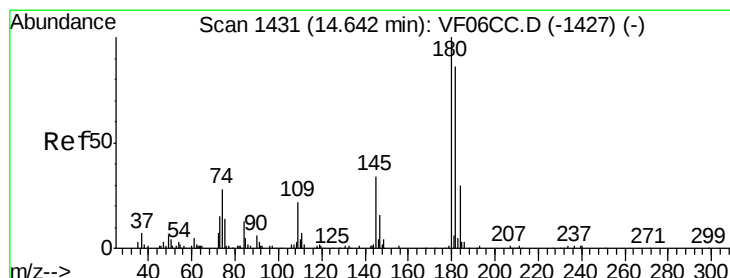
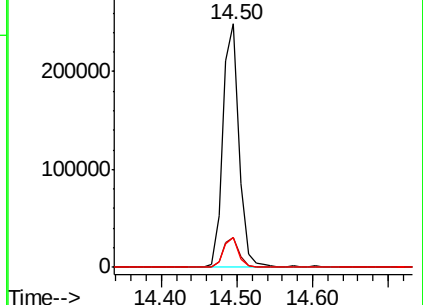
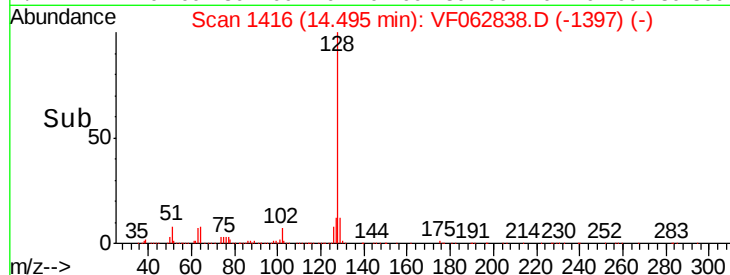
129 12.1 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.418 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

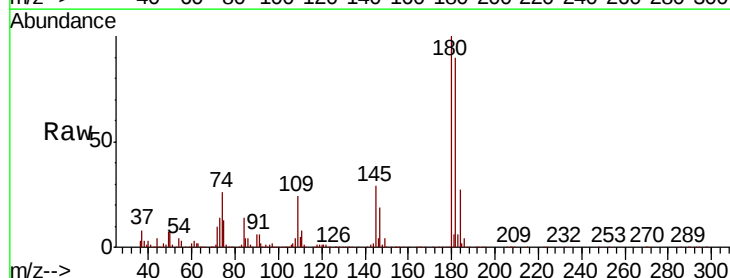
Tgt Ion:180 Resp: 208037

Ion Ratio Lower Upper

180 100

182 90.3 48.6 145.9

145 28.6 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

