

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062922.D
 Acq On : 12 Jun 2019 12:45
 Operator : FY/SY
 Sample : VF0612SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:29:29 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	5.05	168	758037	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1299368	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	976300	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.61	152	474601	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	283080	54.00	ug/l	-0.03
Spiked Amount			Recovery	=	108.00%	
35) Dibromofluoromethane	4.31	113	503616	51.29	ug/l	-0.03
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	7.70	98	1185561	47.75	ug/l	-0.04
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.48	95	455726	51.03	ug/l	-0.03
Spiked Amount			Recovery	=	102.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	203808	21.289	ug/l	99
3) Chloromethane	1.14	50	170854	21.783	ug/l	99
4) Vinyl Chloride	1.19	62	155966	20.010	ug/l	98
5) Bromomethane	1.39	94	81697	18.379	ug/l	89
6) Chloroethane	1.44	64	53168	18.244	ug/l #	87
7) Trichlorofluoromethane	1.55	101	238957	21.656	ug/l	93
8) Diethyl Ether	1.72	74	44195	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	144984	20.899	ug/l	92
10) Methyl Iodide	1.98	142	288349	20.730	ug/l	99
11) Tert butyl alcohol	2.70	59	34595	108.944	ug/l	97
12) 1,1-Dichloroethene	1.86	96	126654	20.106	ug/l	98
13) Acrolein	2.10	56	10793	79.499	ug/l #	52
14) Allyl chloride	2.20	41	134745	27.572	ug/l	91
15) Acrylonitrile	3.09	53	90133	75.538	ug/l	93
16) Acetone	2.35	43	132185	110.177	ug/l	99
17) Carbon Disulfide	1.91	76	389166	21.137	ug/l	95
18) Methyl Acetate	2.55	43	58369	27.841	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	259322	22.722	ug/l	99
20) Methylene Chloride	2.29	84	66575	8.609	ug/l	94
21) trans-1,2-Dichloroethene	2.43	96	133859	21.194	ug/l	99
22) Diisopropyl ether	2.94	45	299480	21.570	ug/l #	95
23) Vinyl Acetate	3.34	43	1128561	118.729	ug/l	97
24) 1,1-Dichloroethane	3.01	63	227793	21.974	ug/l	98
25) 2-Butanone	4.53	43	311050	111.330	ug/l	94
26) 2,2-Dichloropropane	3.78	77	159013	27.015	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	235111	22.145	ug/l	97
28) Bromochloromethane	3.89	49	114408	20.289	ug/l	86
29) Tetrahydrofuran	4.27	42	132471	123.966	ug/l	96
30) Chloroform	4.04	83	329729	22.568	ug/l	92
31) Cyclohexane	3.87	56	301699	21.496	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	220652	25.939	ug/l	97
36) 1,1-Dichloropropene	4.48	75	256205	21.418	ug/l	98
37) Ethyl Acetate	4.30	43	113633	24.851	ug/l	87
38) Carbon Tetrachloride	4.18	117	201111	24.877	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	314618	21.133	ug/l	97
40) Benzene	4.82	78	732639	21.045	ug/l	99
41) Methacrylonitrile	4.93	41	59146	23.267	ug/l	98
42) 1,2-Dichloroethane	5.14	62	133763	20.202	ug/l	99
43) Isopropyl Acetate	7.11	43	136605	22.615	ug/l #	96
44) Trichloroethene	5.68	130	211993	21.577	ug/l	97
45) 1,2-Dichloropropane	6.41	63	184067	21.069	ug/l	97
46) Dibromomethane	6.26	93	114566	22.461	ug/l	95
47) Bromodichloromethane	6.55	83	220745	21.251	ug/l	93
48) Methyl methacrylate	6.87	41	64713	20.788	ug/l	95
49) 1,4-Dioxane	6.86	88	16461	401.162	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	514235	119.242	ug/l	100
52) Toluene	7.78	92	385542	20.561	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	190597	22.142	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	261133	20.958	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125146	22.340	ug/l	96
56) Ethyl methacrylate	8.75	69	139028	23.131	ug/l	98
57) 1,3-Dichloropropane	8.99	76	208891	22.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	244852	116.561	ug/l	94
59) 2-Hexanone	9.61	43	358639	116.675	ug/l	97
60) Dibromochloromethane	8.85	129	158974	22.922	ug/l	92
61) 1,2-Dibromoethane	9.13	107	128380	22.067	ug/l	98
64) Tetrachloroethene	8.30	164	158399	21.113	ug/l	98
65) Chlorobenzene	9.93	112	409573	21.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	157930	21.033	ug/l	94
67) Ethyl Benzene	10.03	91	675042	20.864	ug/l	98
68) m/p-Xylenes	10.25	106	494530	39.944	ug/l	84
69) o-Xylene	10.81	106	257469	20.540	ug/l	88
70) Styrene	10.88	104	384616	20.817	ug/l	98
71) Bromoform	10.87	173	88368	24.533	ug/l #	100
73) Isopropylbenzene	11.21	105	718216	21.688	ug/l	96
74) N-amyl acetate	11.45	43	219465	23.514	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	174324	24.650	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	110327	23.536	ug/l	86
77) Bromobenzene	11.57	156	165862	19.934	ug/l	88
78) n-propylbenzene	11.66	91	885102	22.136	ug/l	91
79) 2-Chlorotoluene	11.79	91	482767	21.101	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	584087	21.568	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	59045	29.751	ug/l	90
82) 4-Chlorotoluene	11.97	91	473747	21.070	ug/l	96
83) tert-Butylbenzene	12.18	119	600550	22.380	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	562981	21.925	ug/l	93
85) sec-Butylbenzene	12.36	105	820153	23.195	ug/l	95
86) p-Isopropyltoluene	12.51	119	690826	23.472	ug/l	94
87) 1,3-Dichlorobenzene	12.53	146	329061	22.424	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	299199	21.848	ug/l	98
89) n-Butylbenzene	12.89	91	687860	23.234	ug/l	91
90) Hexachloroethane	12.96	117	156885	21.855	ug/l	87
91) 1,2-Dichlorobenzene	12.99	146	283675	21.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	22846	29.652	ug/l	90

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Quant Time: Jun 13 08:29:29 2019
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

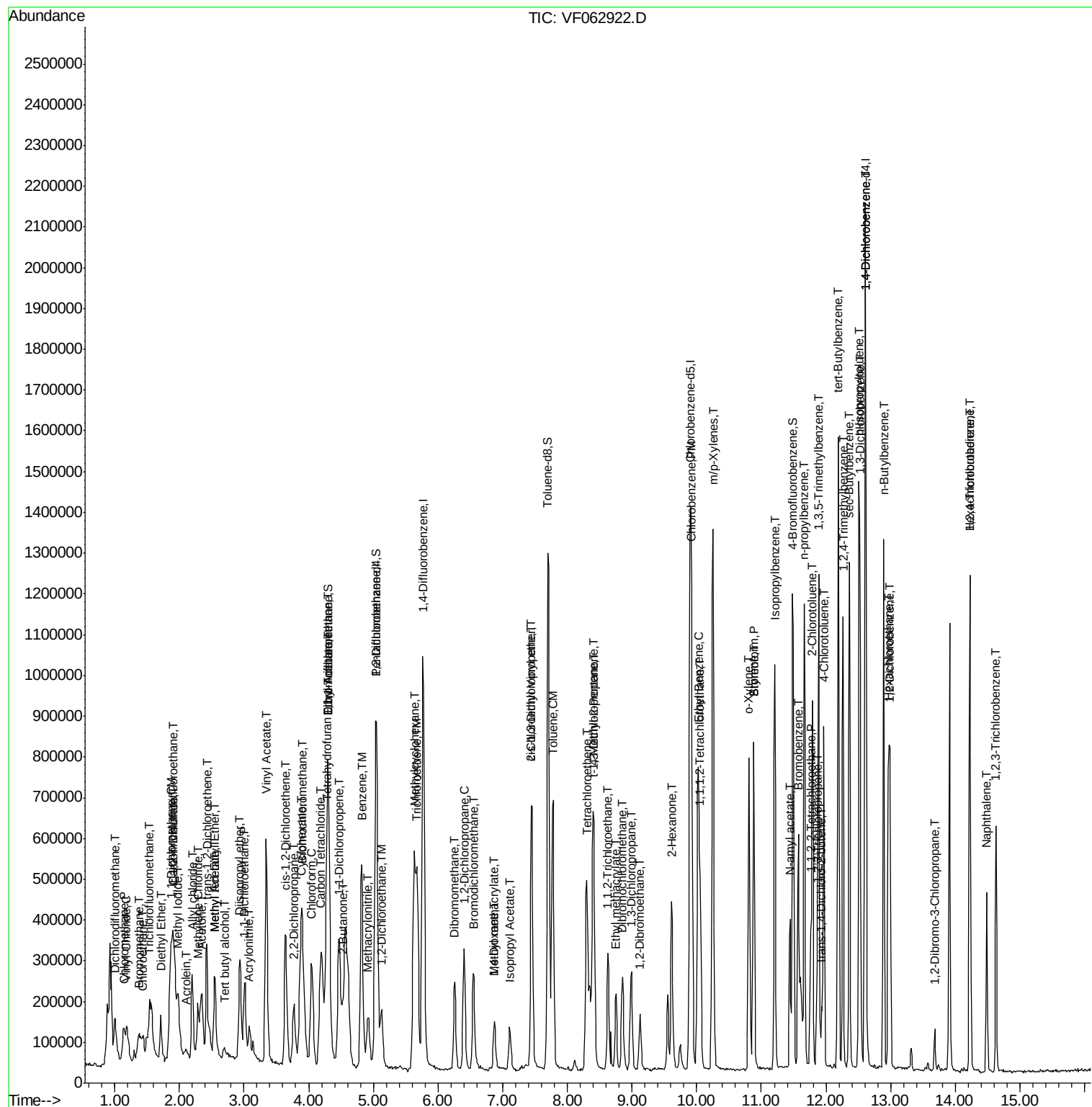
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	200623	22.654	ug/l	93
94) Hexachlorobutadiene	14.22	225	132157	21.571	ug/l	98
95) Naphthalene	14.48	128	320455	22.087	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	169087	20.917	ug/l	96

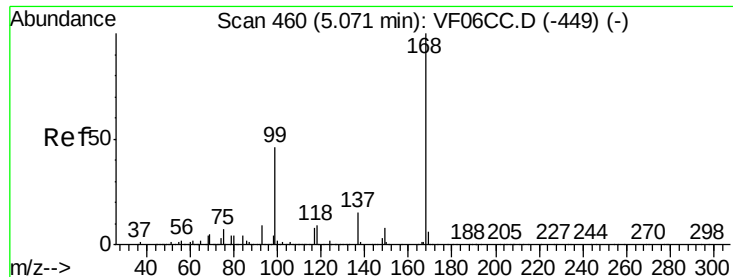
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 12 Jun 2019 12:45
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ClientSampleId :

Quant Time: Jun 13 08:29:29 2019
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: 5.05 min Scan# 458

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

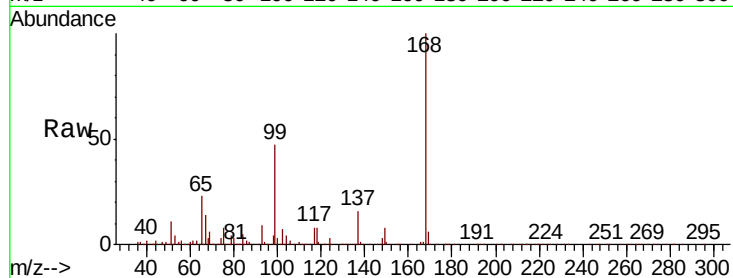
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 758037

Ion Ratio Lower Upper

168 100

99 47.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

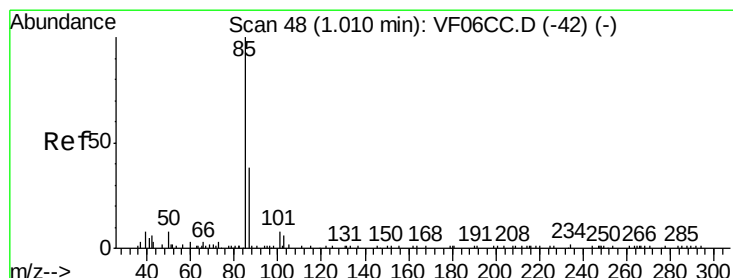
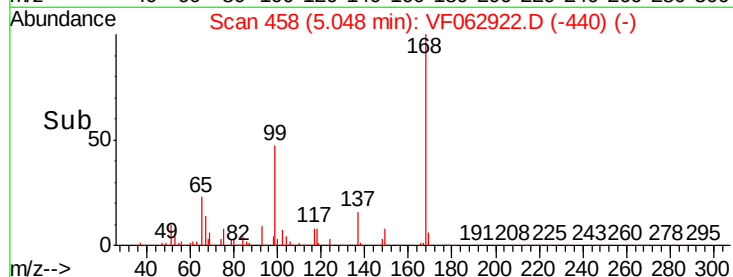
150000

100000

50000

0

Time--> 4.80 5.00 5.20



#2

Dichlorodifluoromethane

Concen: 21.289 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062922.D

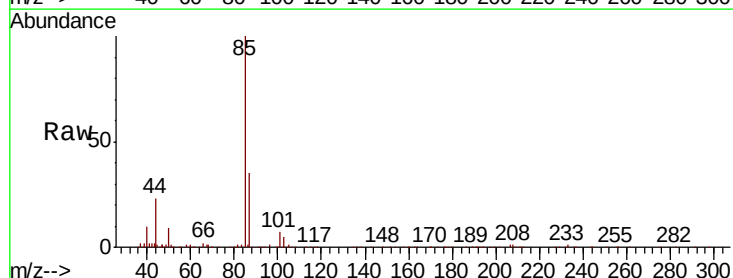
Acq: 12 Jun 2019 12:45

Tgt Ion: 85 Resp: 203808

Ion Ratio Lower Upper

85 100

87 34.6 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

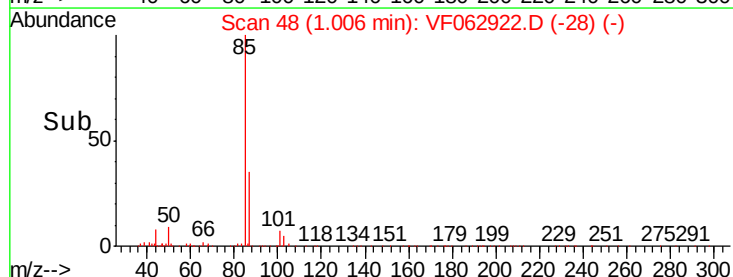
60000

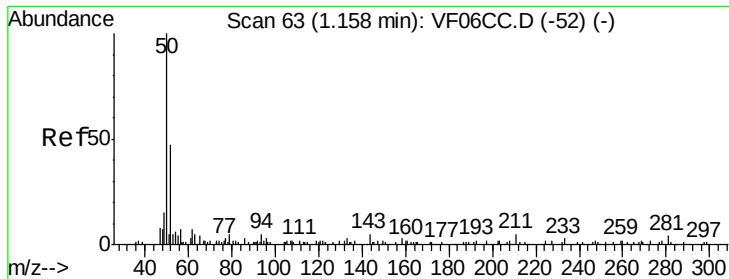
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 21.783 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

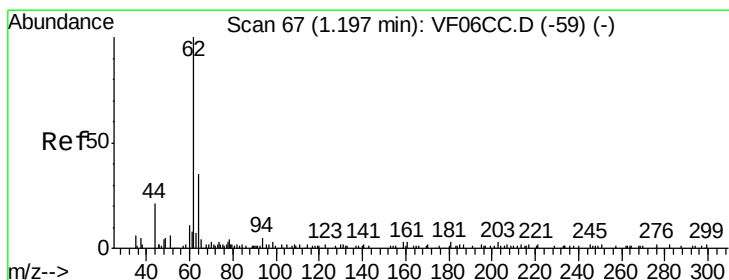
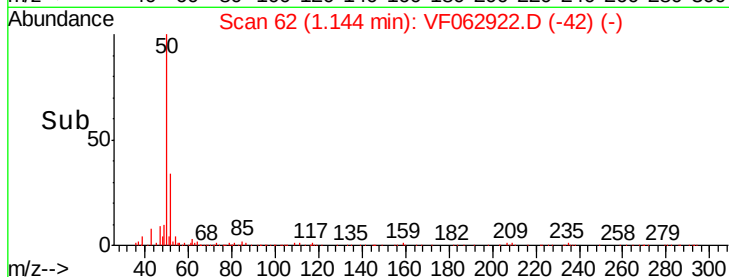
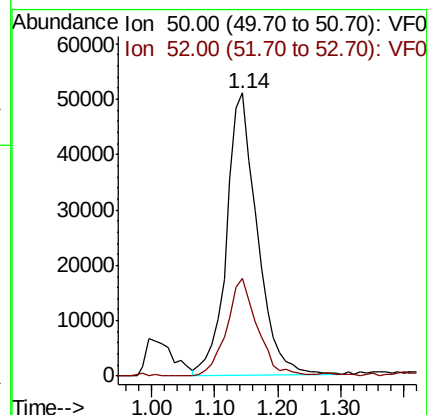
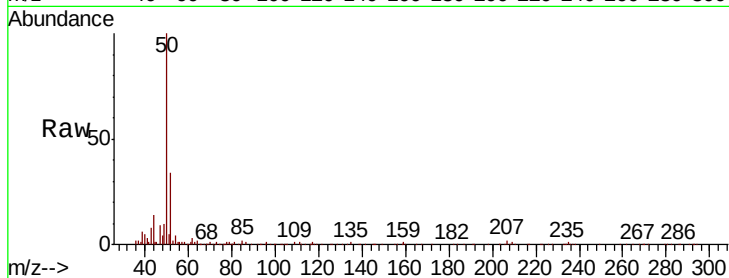
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 170854

Ion Ratio Lower Upper

50 100

52 34.5 27.0 40.4



#4

Vinyl Chloride

Concen: 20.010 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062922.D

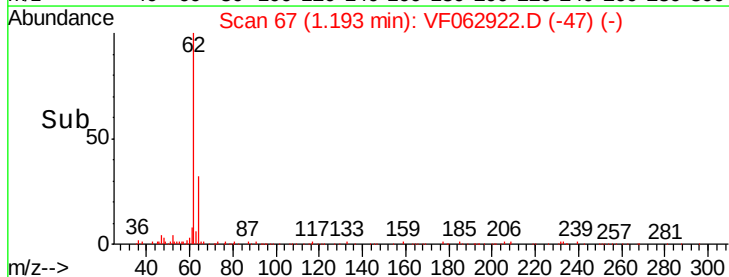
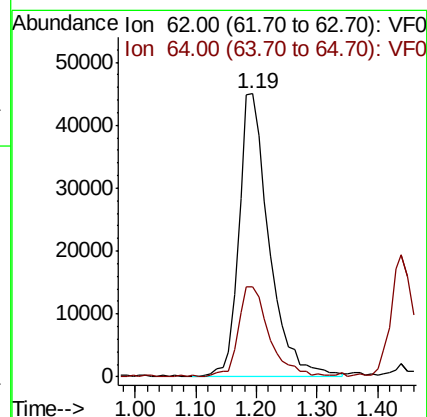
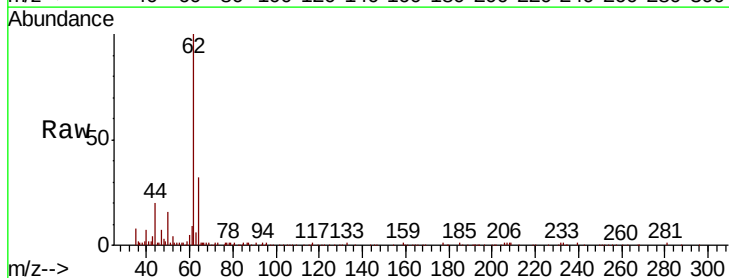
Acq: 12 Jun 2019 12:45

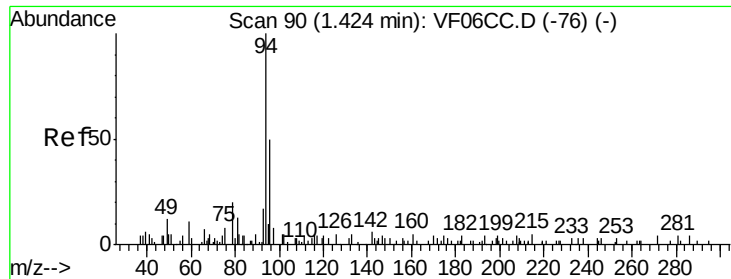
Tgt Ion: 62 Resp: 155966

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2

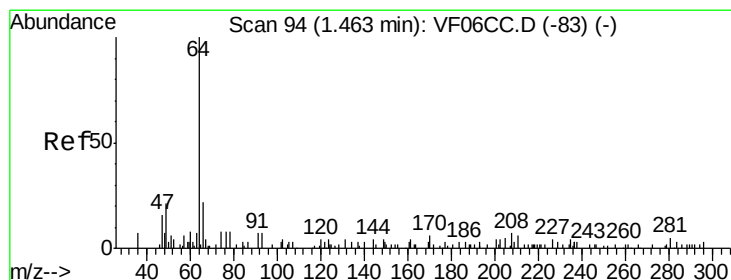
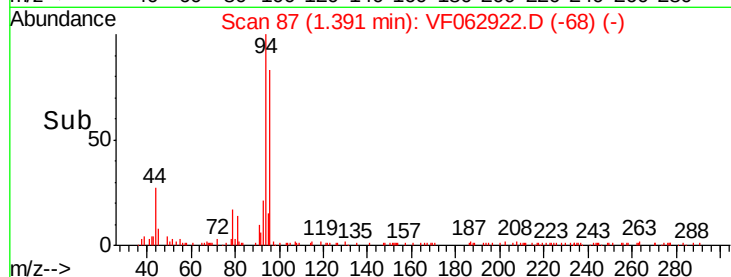
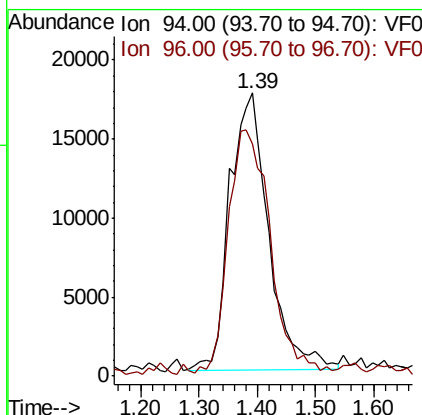
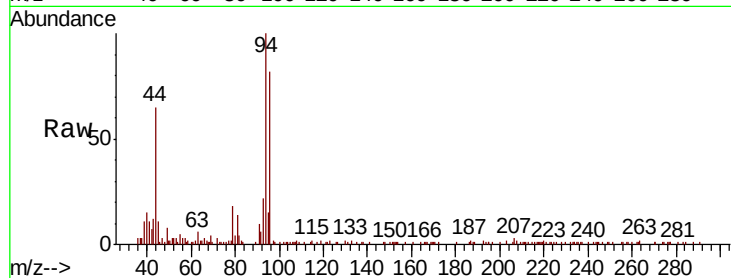




#5
Bromomethane
Concen: 18.379 ug/l
RT: 1.39 min Scan# 87
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

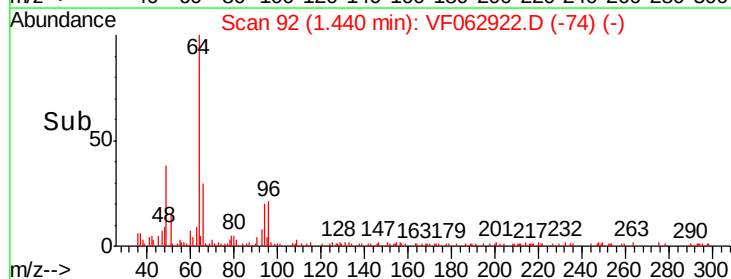
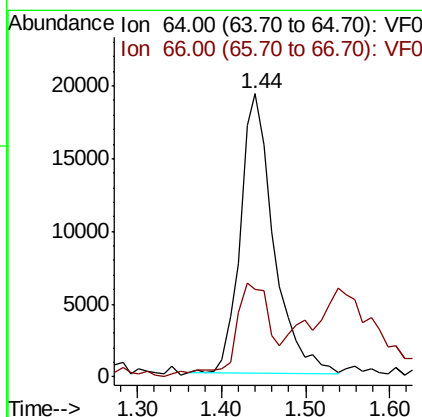
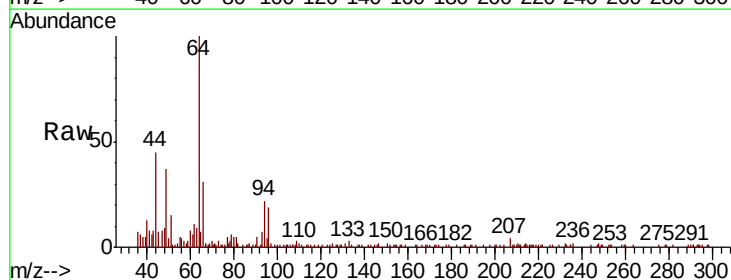
Instrument :
MSVOA_F
ClientSampleId :

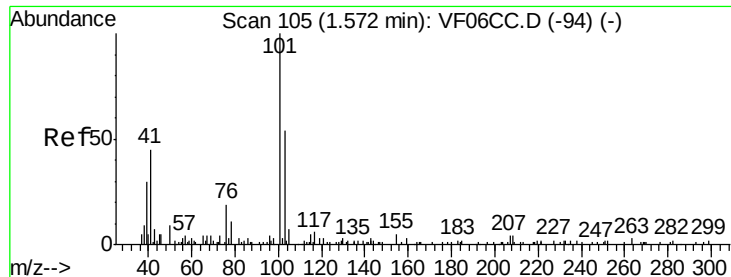
Tot Ion: 94 Resp: 81697
Ion Ratio Lower Upper
94 100
96 82.1 73.8 110.6



#6
Chloroethane
Concen: 18.244 ug/l
RT: 1.44 min Scan# 92
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 64 Resp: 53168
Ion Ratio Lower Upper
64 100
66 30.8 31.0 46.4#



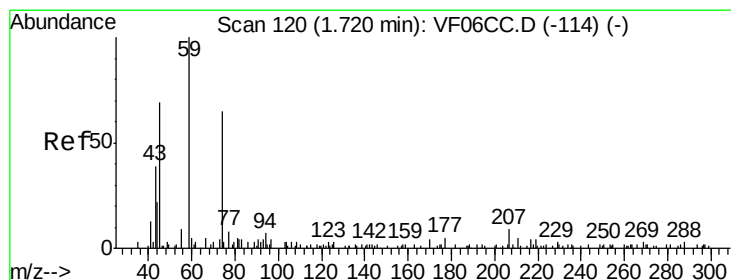
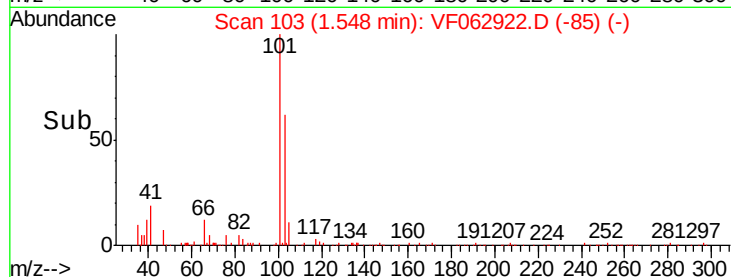
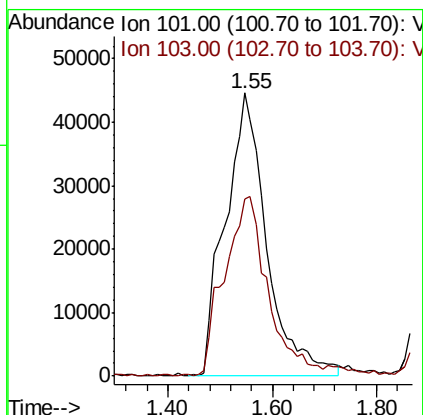
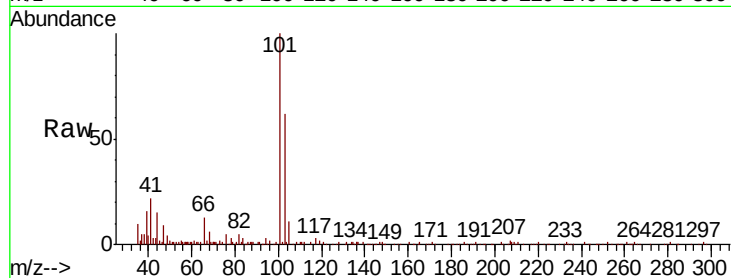


#7

Trichlorofluoromethane
Concen: 21.656 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

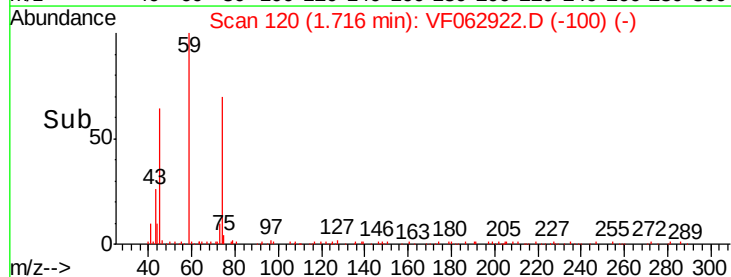
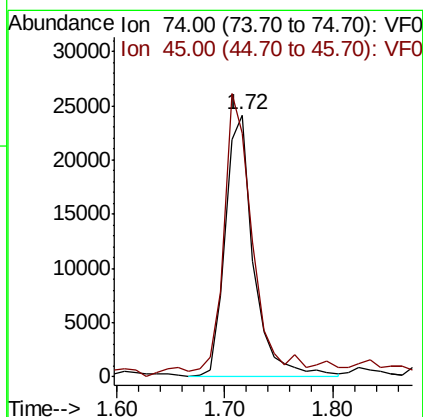
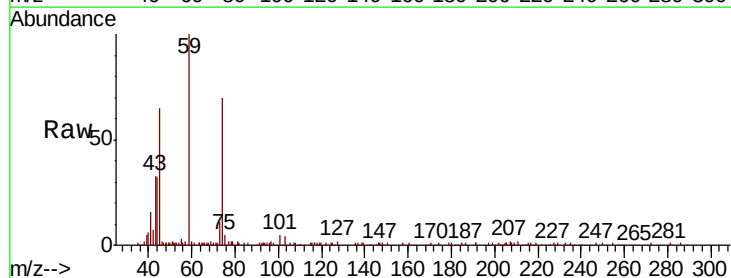
Tot Ion:101 Resp: 238957
Ion Ratio Lower Upper
101 100
103 62.5 54.6 82.0

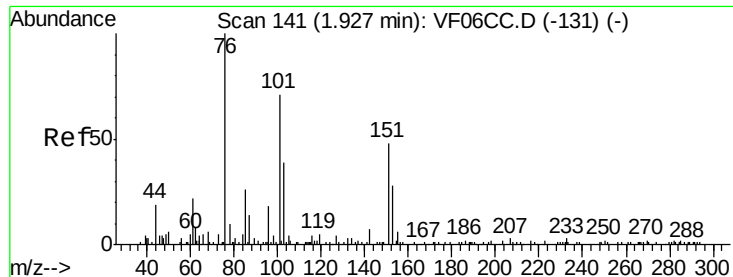


#8

Diethyl Ether
Concen: 20.358 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 74 Resp: 44195
Ion Ratio Lower Upper
74 100
45 92.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.899 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

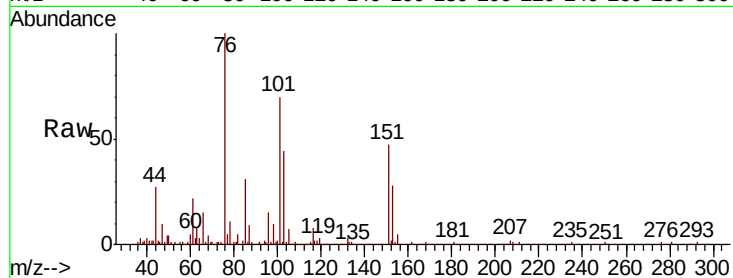
Tot Ion:101 Resp: 144984

Ion Ratio Lower Upper

101 100

85 44.1 37.1 55.7

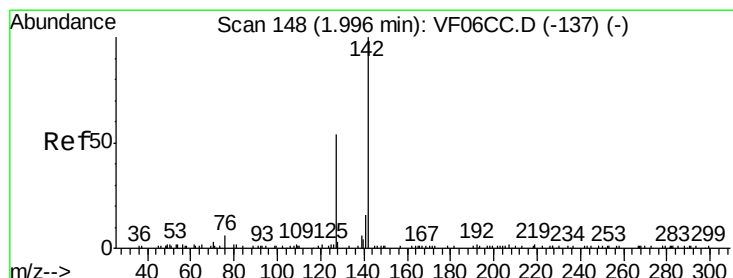
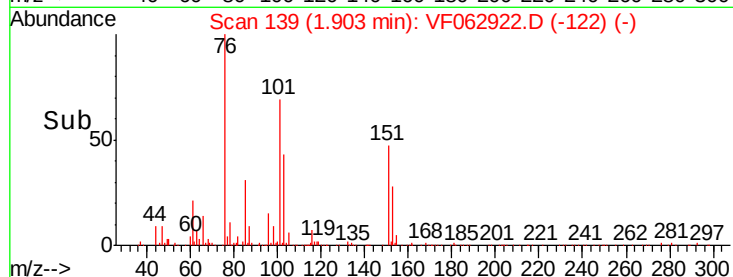
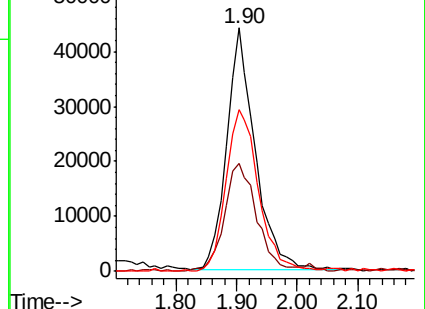
151 66.5 60.3 90.5



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: 20.730 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

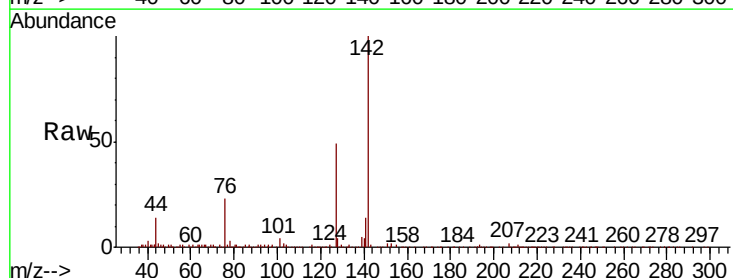
Tgt Ion:142 Resp: 288349

Ion Ratio Lower Upper

142 100

127 48.8 39.4 59.2

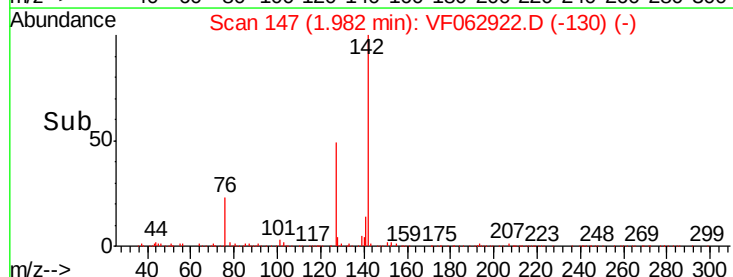
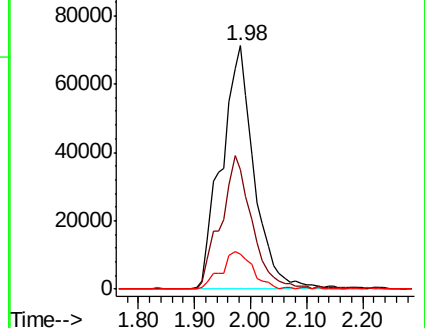
141 14.1 10.6 15.8

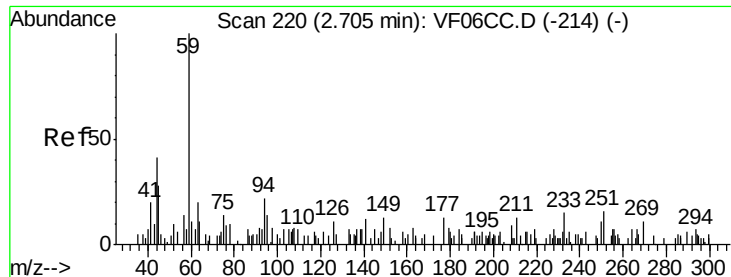


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



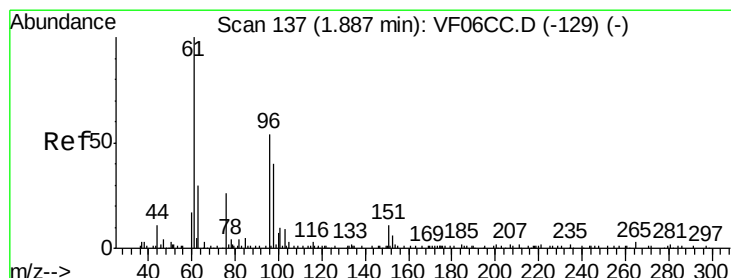
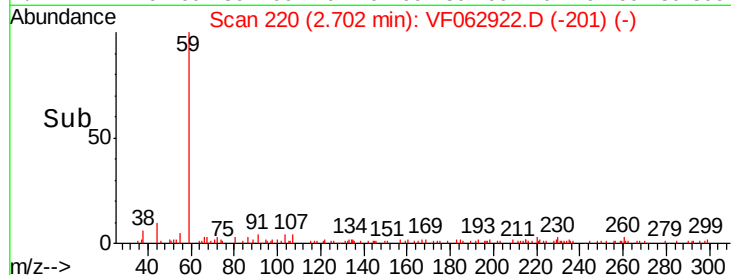
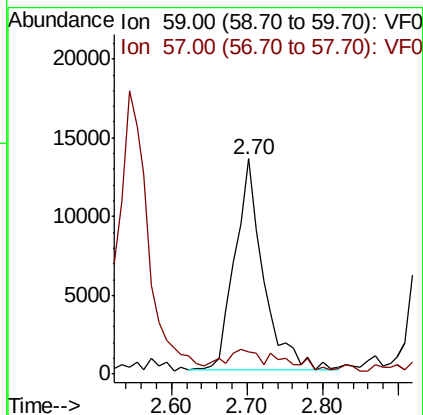
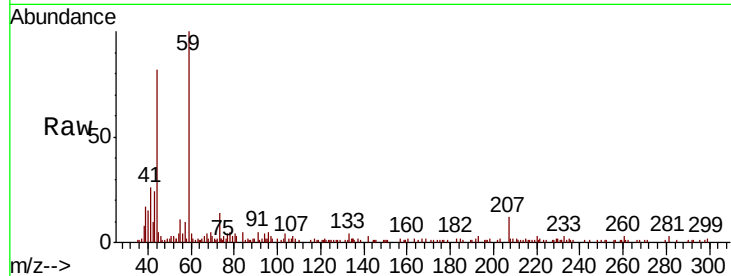


#11

Tert butyl alcohol
Concen: 108.944 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

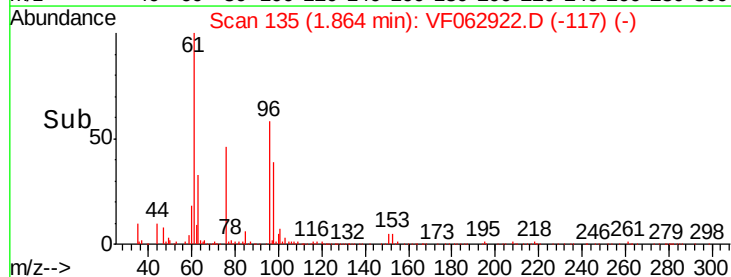
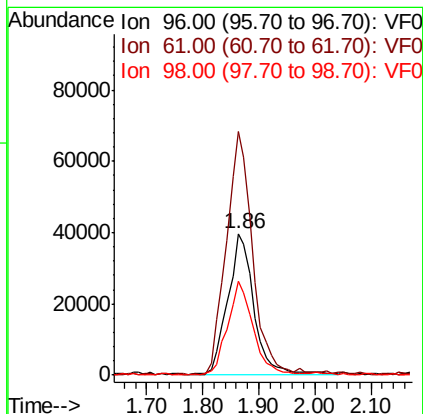
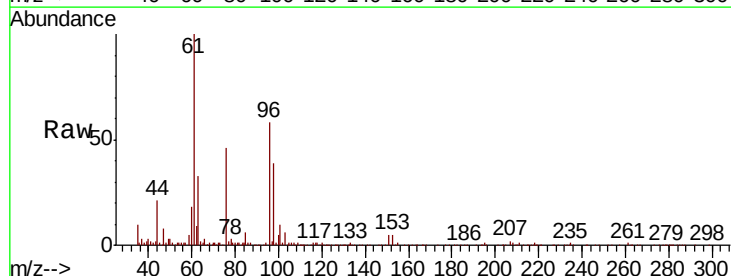
Tot Ion: 59 Resp: 34595
Ion Ratio Lower Upper
59 100
57 10.3 9.2 13.8

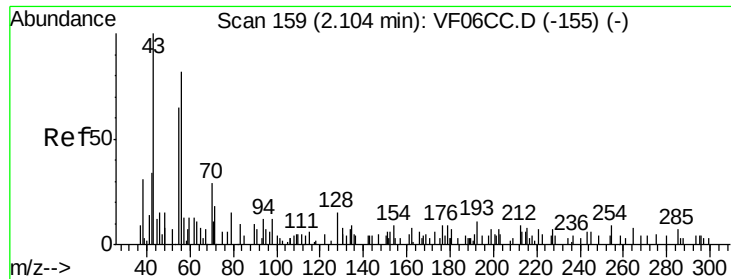


#12

1,1-Dichloroethene
Concen: 20.106 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 96 Resp: 126654
Ion Ratio Lower Upper
96 100
61 172.4 139.4 209.2
98 66.7 50.3 75.5

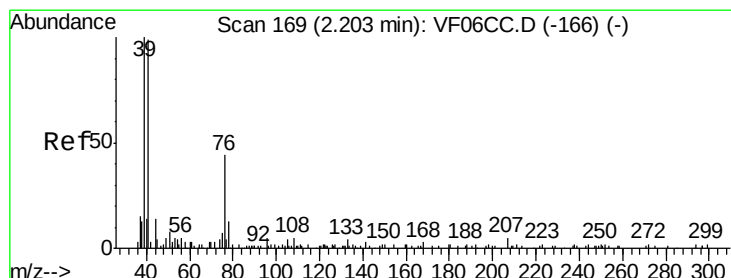
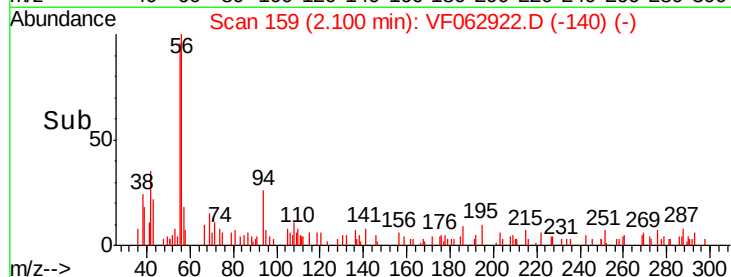
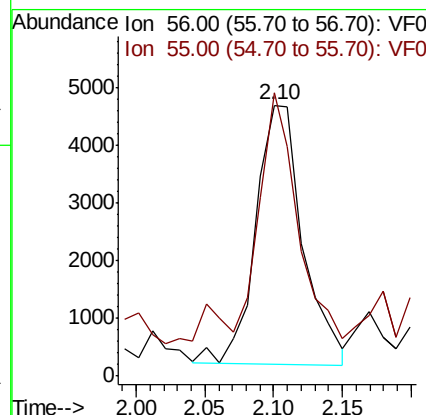
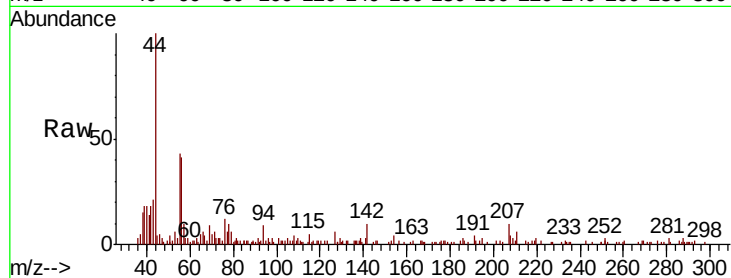




#13
Acrolein
Concen: 79.499 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

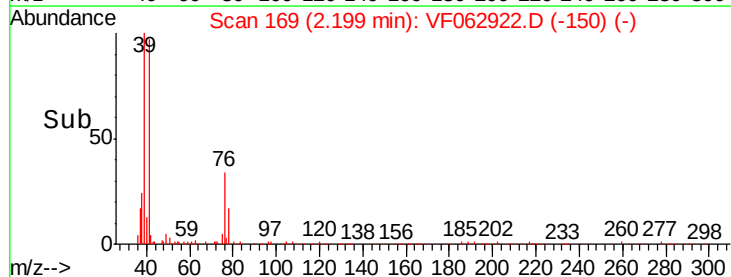
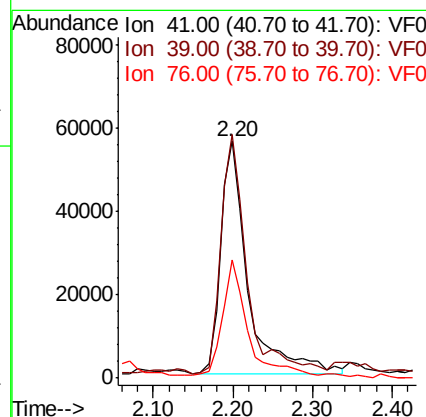
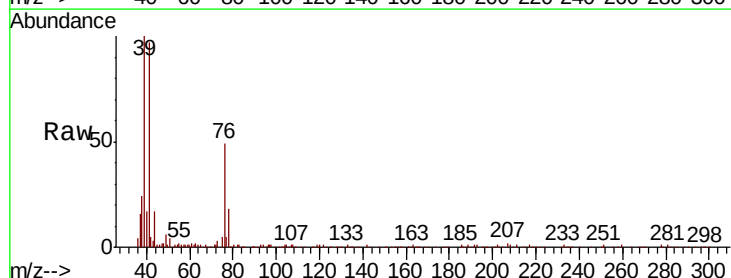
Instrument :
MSVOA_F
ClientSampleId :

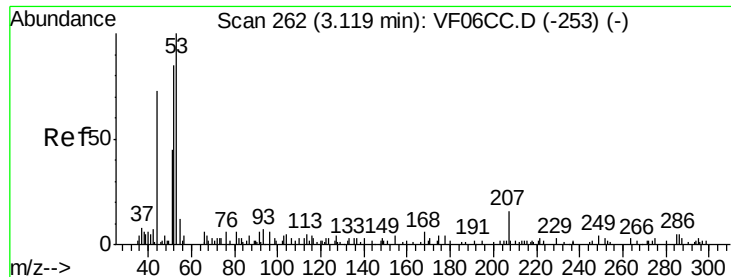
Tot Ion: 56 Resp: 10793
Ion Ratio Lower Upper
56 100
55 104.6 52.9 79.3#



#14
Allyl chloride
Concen: 27.572 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 41 Resp: 134745
Ion Ratio Lower Upper
41 100
39 102.8 71.9 107.9
76 50.1 39.6 59.4





#15

Acrylonitrile

Concen: 75.538 ug/l

RT: 3.09 min Scan# 259

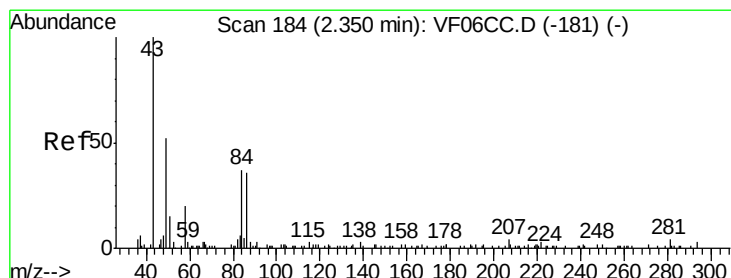
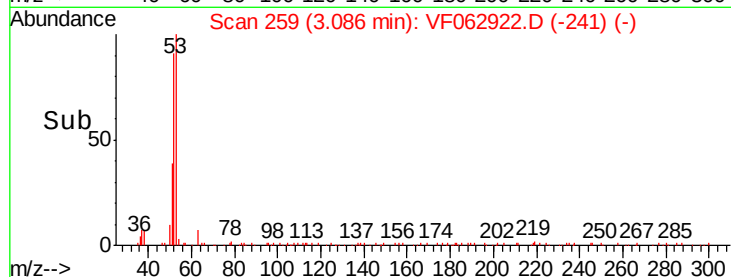
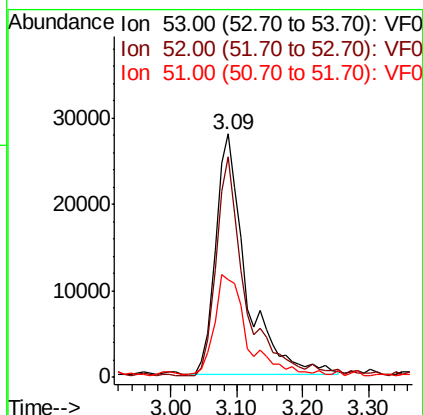
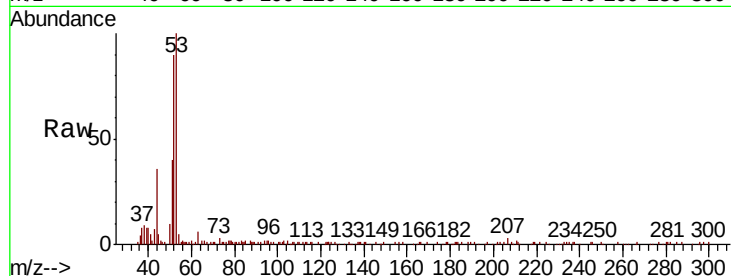
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	90133
Ion	Ratio	Lower	Upper
53	100		
52	90.4	68.1	102.1
51	40.2	27.7	41.5



#16

Acetone

Concen: 110.177 ug/l

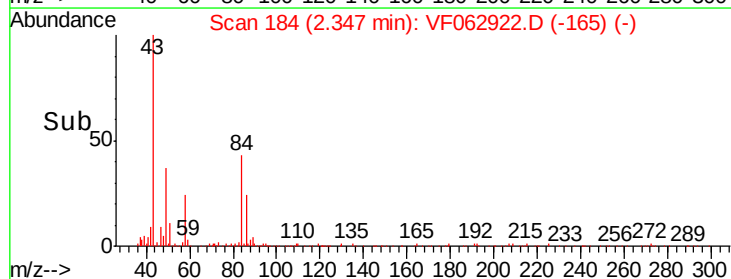
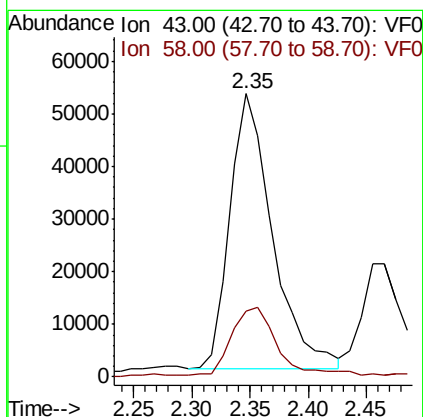
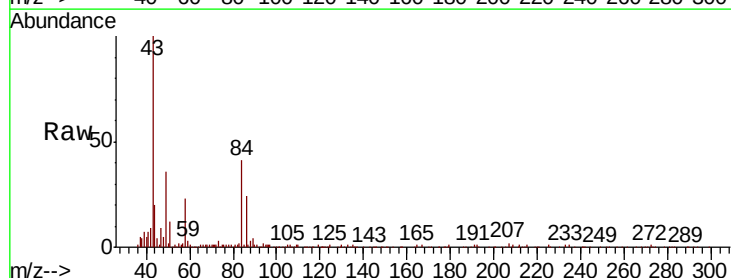
RT: 2.35 min Scan# 184

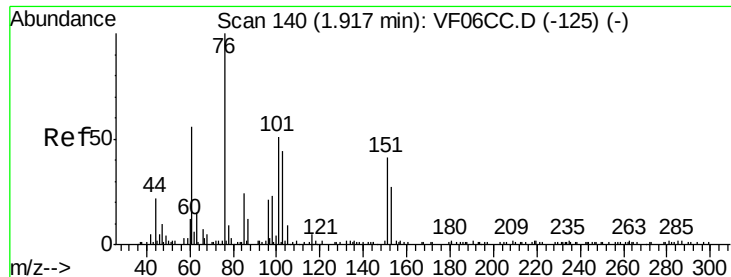
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	43	Resp:	132185
Ion	Ratio	Lower	Upper
43	100		
58	23.2	19.0	28.4





#17

Carbon Disulfide

Concen: 21.137 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

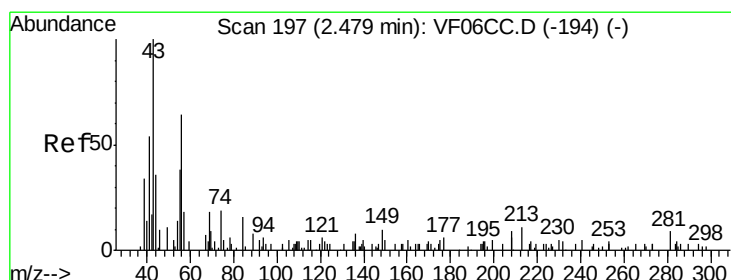
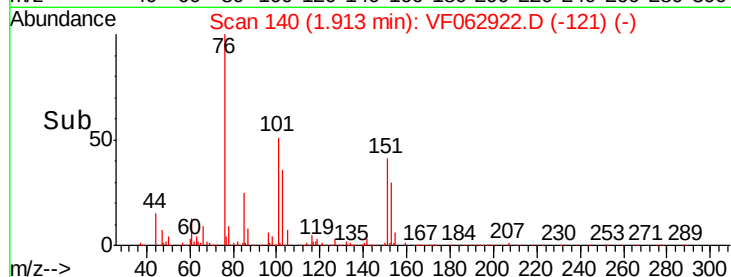
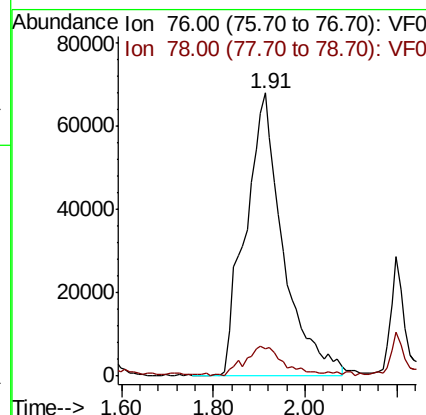
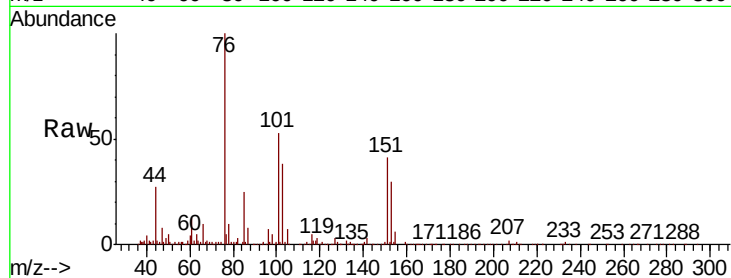
ClientSampleId :

Tot Ion: 76 Resp: 389166

Ion Ratio Lower Upper

76 100

78 9.9 9.4 14.2



#18

Methyl Acetate

Concen: 27.841 ug/l

RT: 2.55 min Scan# 205

Delta R.T. 0.07 min

Lab File: VF062922.D

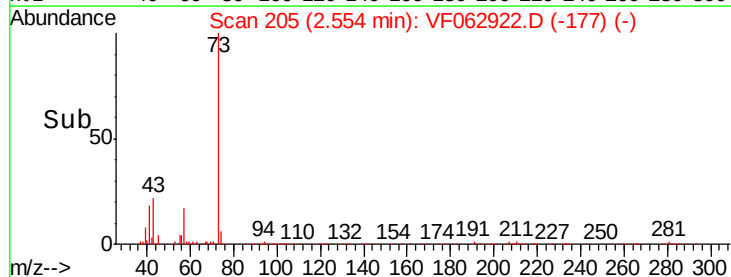
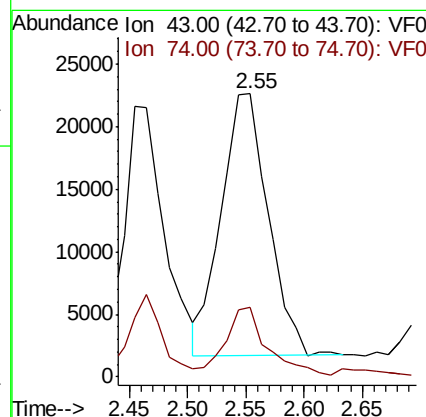
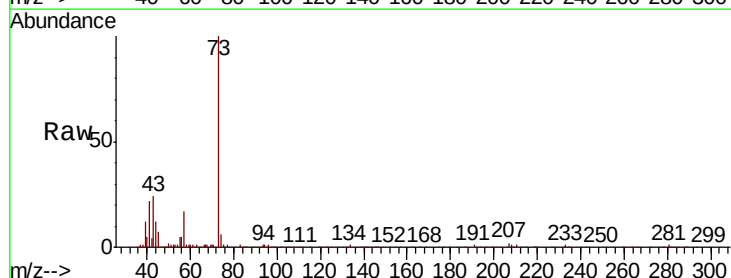
Acq: 12 Jun 2019 12:45

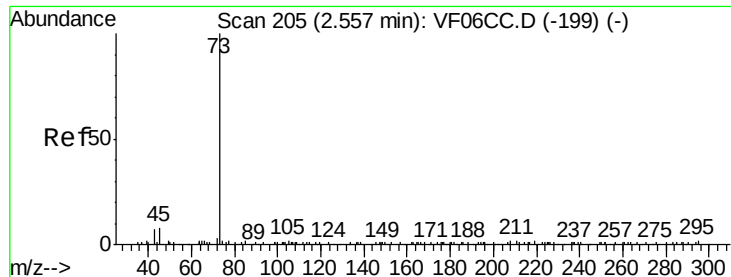
Tgt Ion: 43 Resp: 58369

Ion Ratio Lower Upper

43 100

74 24.6 22.1 33.1

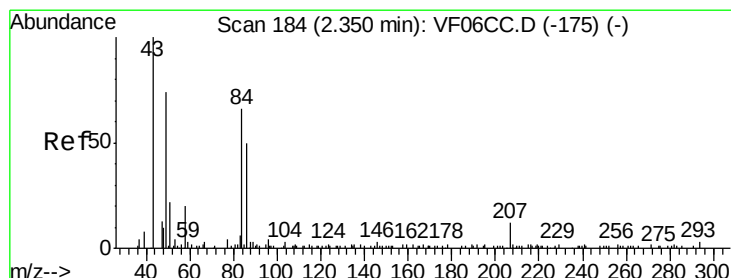
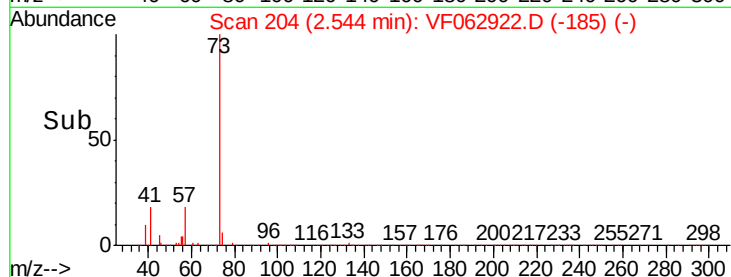
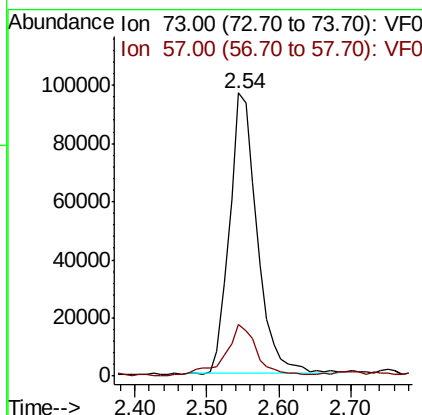
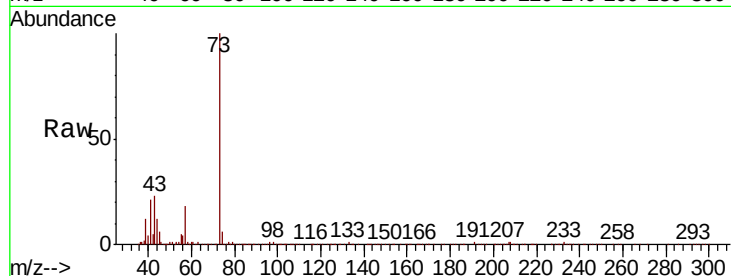




#19
Methyl tert-butyl Ether
Concen: 22.722 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

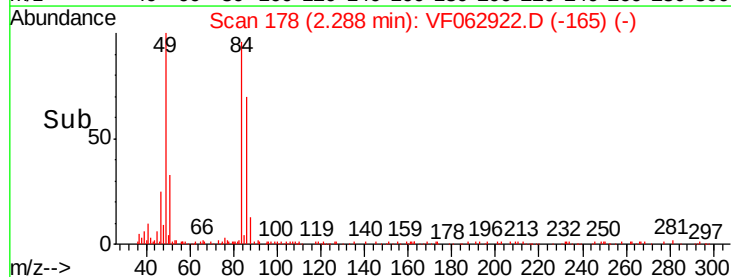
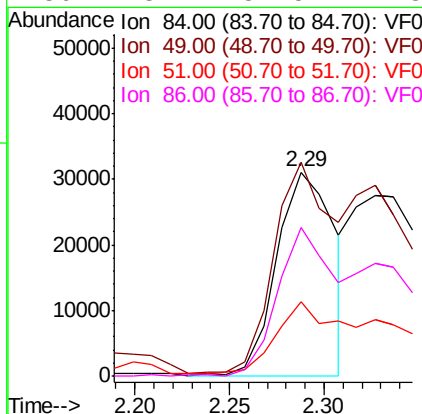
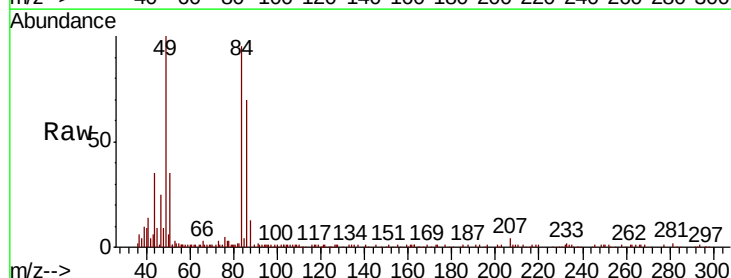
Instrument :
MSVOA_F
ClientSampleId :

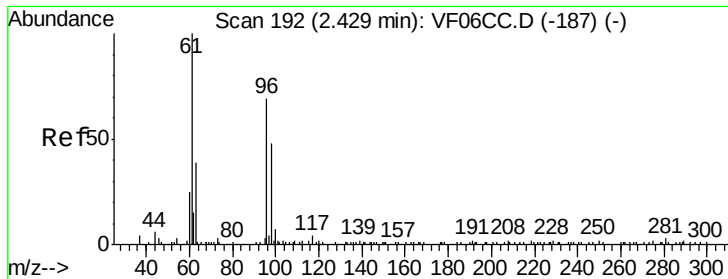
Tot Ion: 73 Resp: 259322
Ion Ratio Lower Upper
73 100
57 18.5 15.1 22.7



#20
Methylene Chloride
Concen: 8.609 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 84 Resp: 66575
Ion Ratio Lower Upper
84 100
49 104.9 82.6 123.8
51 37.4 25.0 37.4
86 73.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 21.194 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

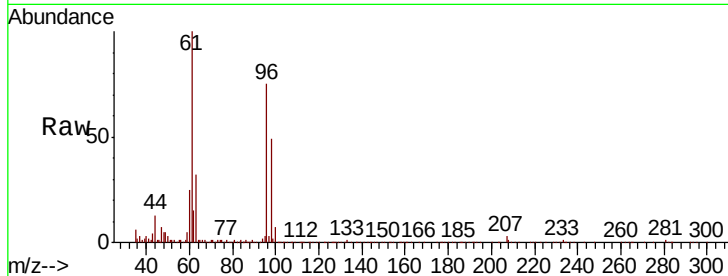
Tot Ion: 96 Resp: 133859

Ion Ratio Lower Upper

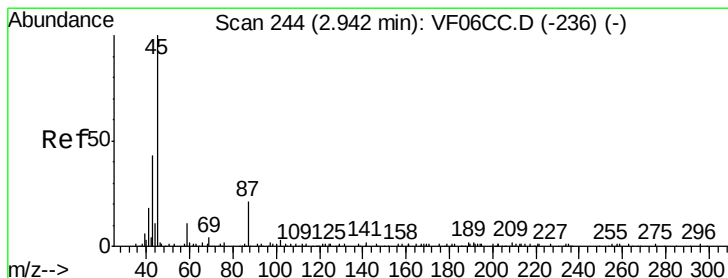
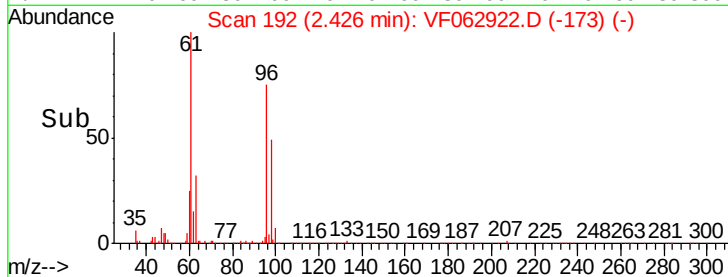
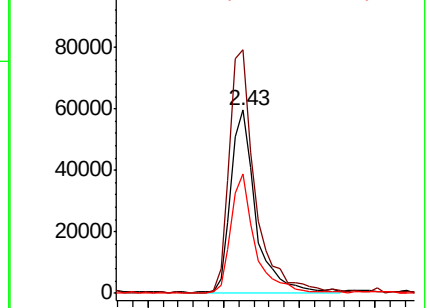
96 100

61 132.8 105.0 157.6

98 65.1 51.1 76.7



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



#22

Diisopropyl ether

Concen: 21.570 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion: 45 Resp: 299480

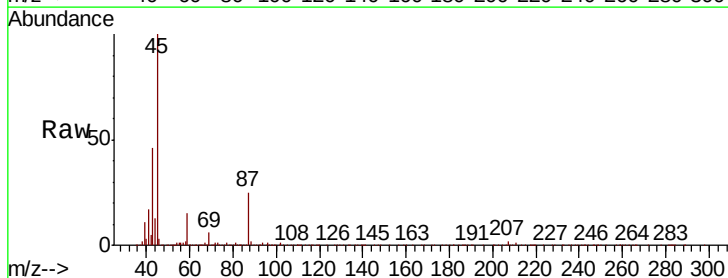
Ion Ratio Lower Upper

45 100

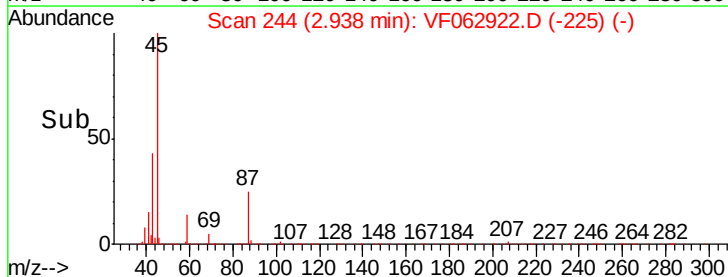
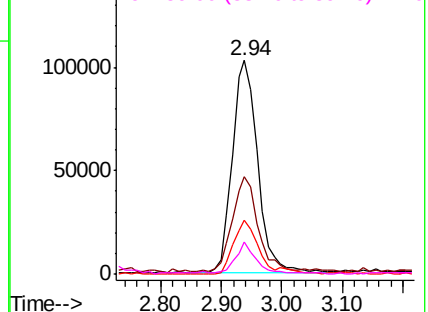
43 45.7 34.3 51.5

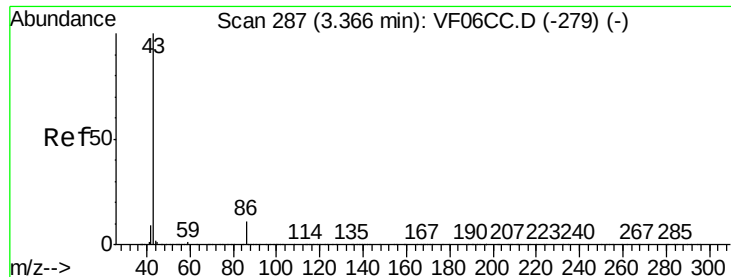
87 25.2 19.0 28.4

59 15.1 9.6 14.4#



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 118.729 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

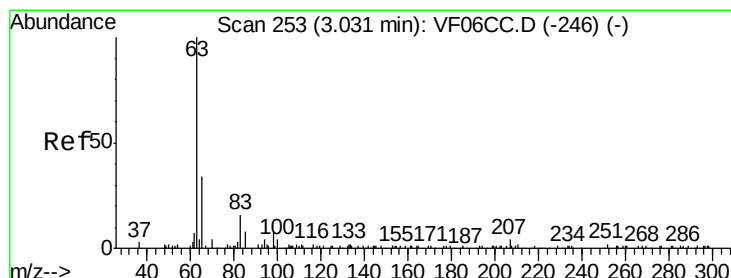
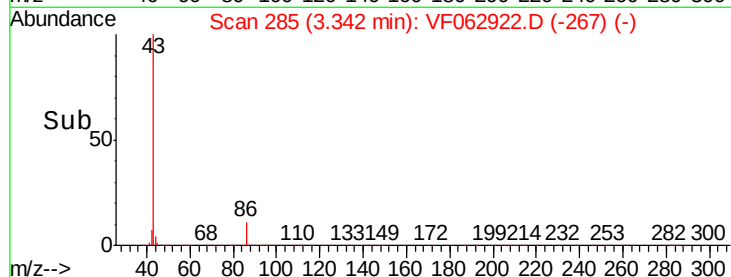
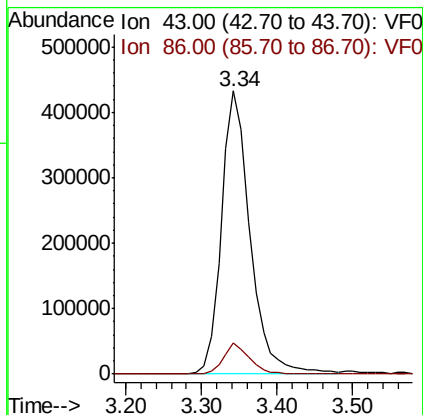
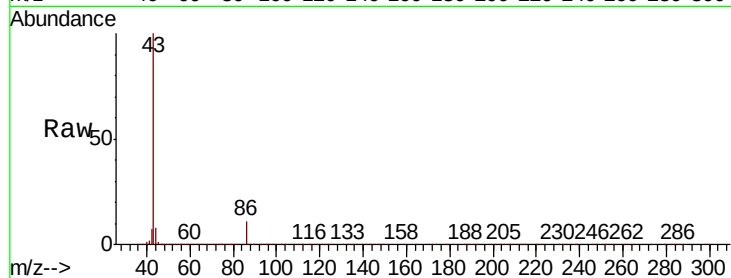
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1128561

Ion Ratio Lower Upper

43 100

86 11.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.974 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

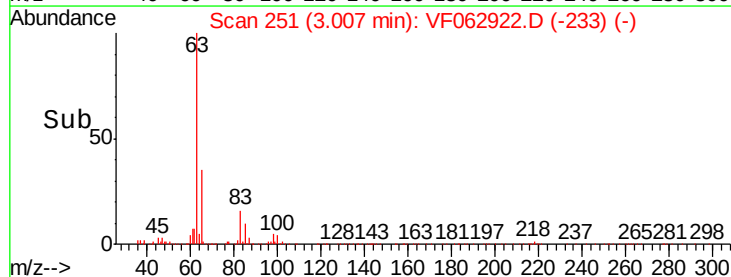
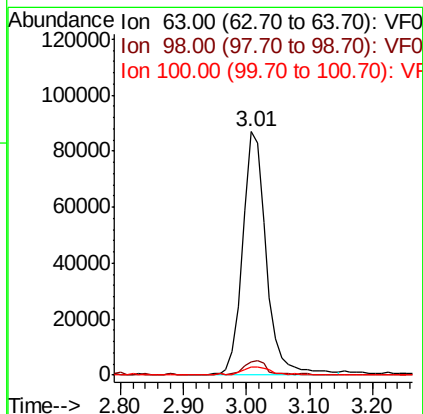
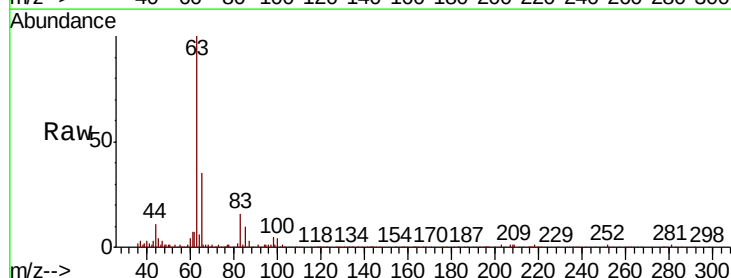
Tgt Ion: 63 Resp: 227793

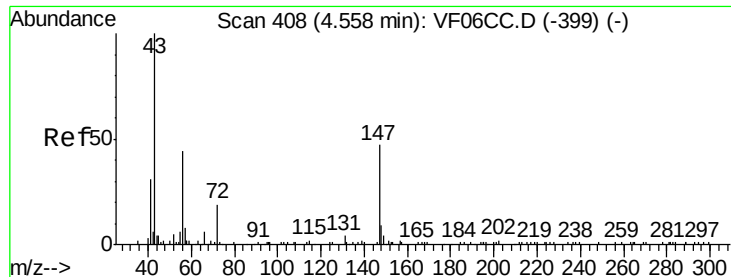
Ion Ratio Lower Upper

63 100

98 5.3 2.4 7.1

100 3.6 1.5 4.5





#25

2-Butanone

Concen: 111.330 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

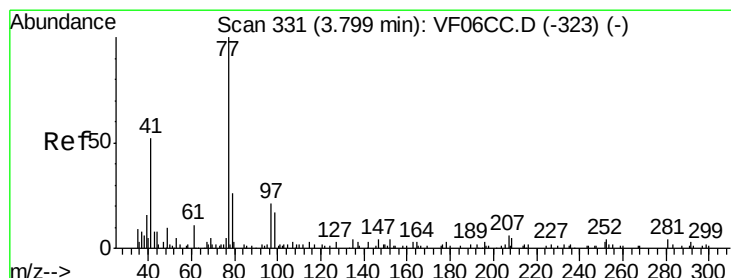
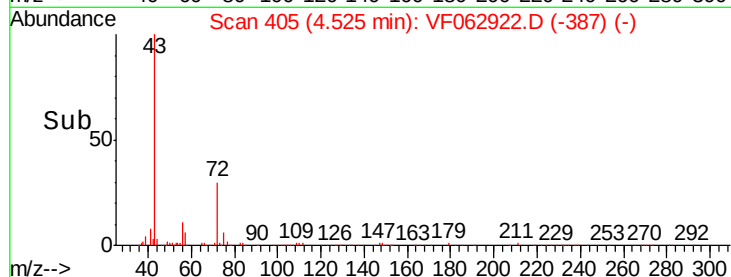
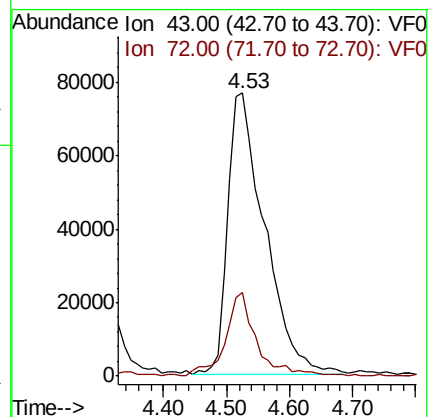
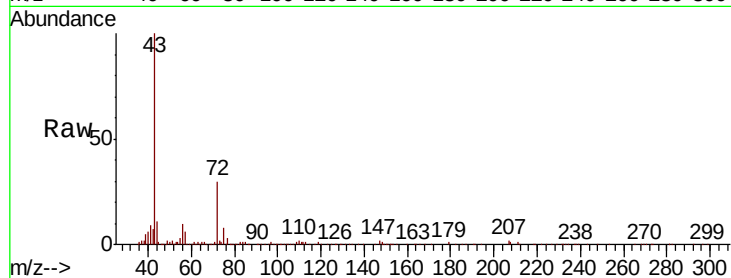
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 311050

Ion Ratio Lower Upper

43 100

72 29.6 21.4 32.0



#26

2,2-Dichloropropane

Concen: 27.015 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.03 min

Lab File: VF062922.D

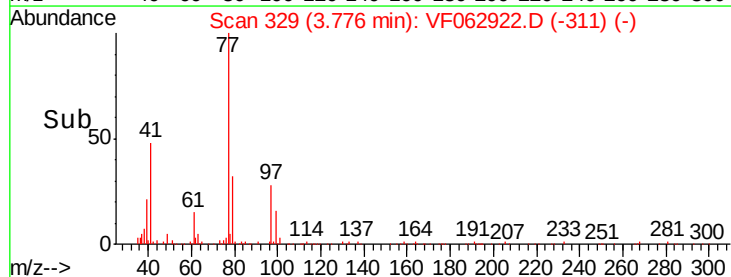
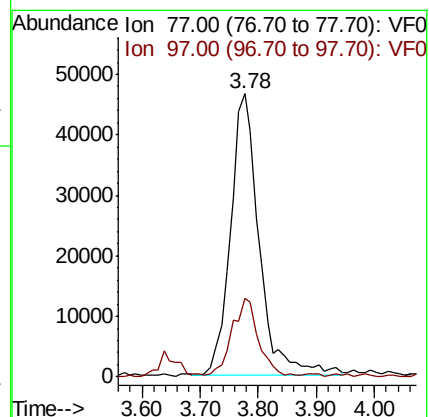
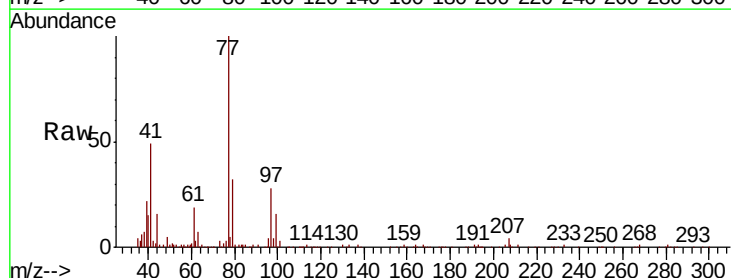
Acq: 12 Jun 2019 12:45

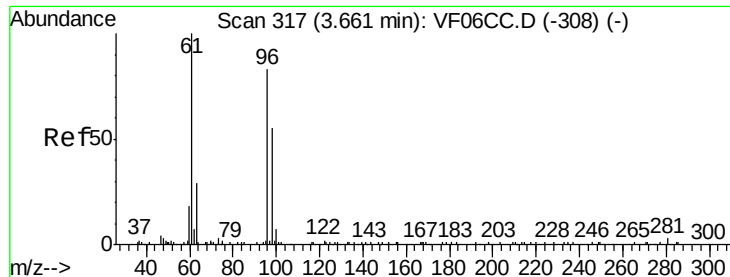
Tgt Ion: 77 Resp: 159013

Ion Ratio Lower Upper

77 100

97 27.7 12.4 37.4



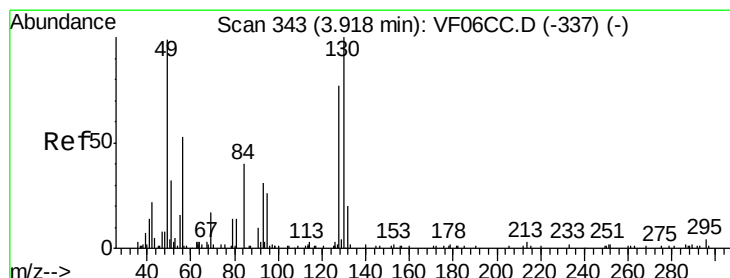
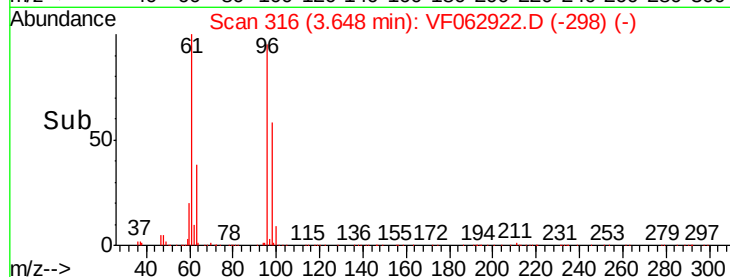
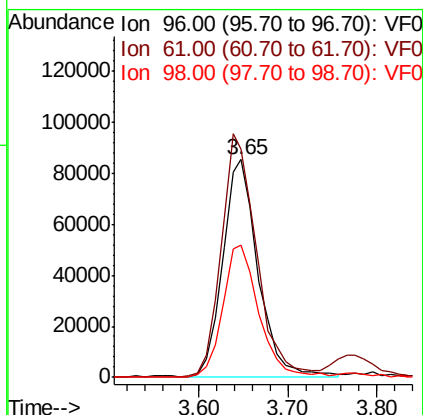
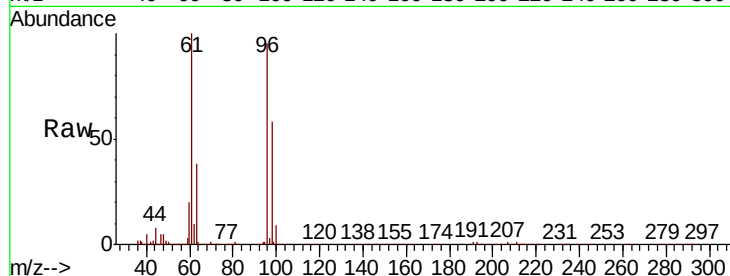


#27

cis-1,2-Dichloroethene
Concen: 22.145 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

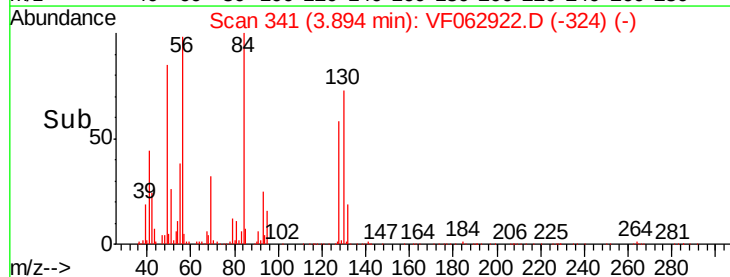
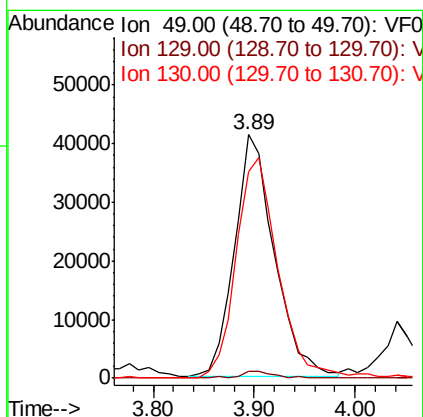
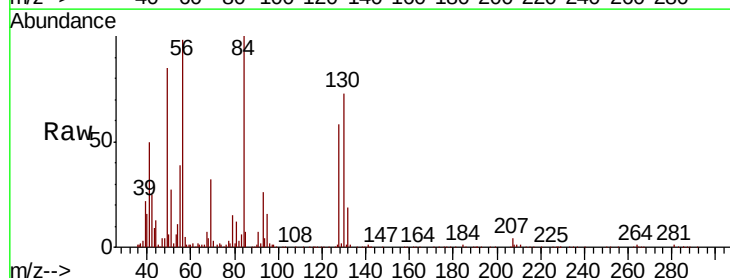
Tot Ion	Ratio	Lower	Upper
96	100		
61	105.0	0.0	213.8
98	60.7	0.0	127.0

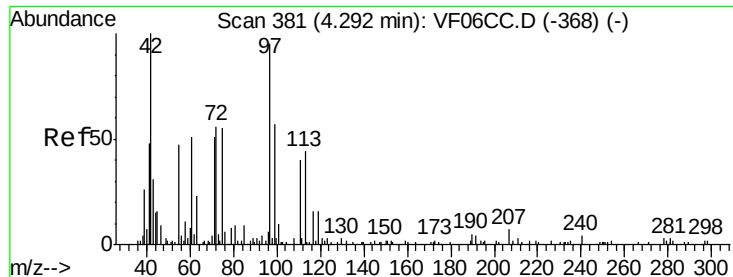


#28

Bromochloromethane
Concen: 20.289 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.04 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.4
130	85.0	79.2	118.8

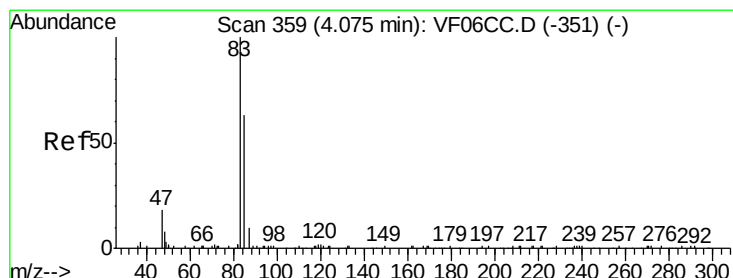
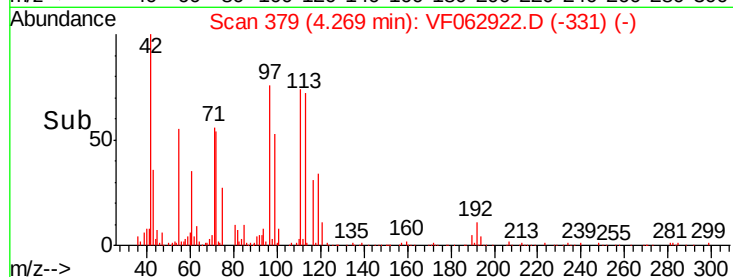
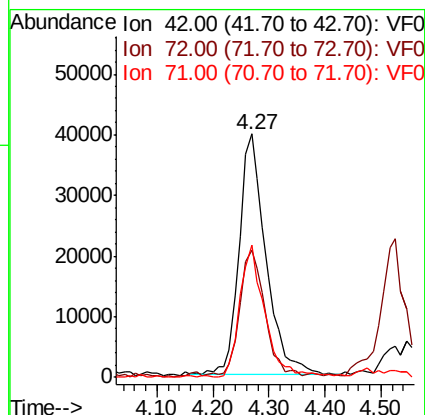
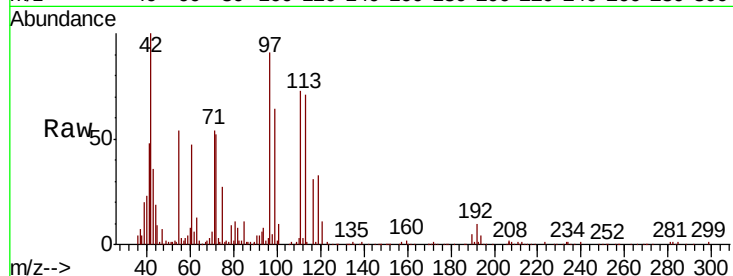




#29
Tetrahydrofuran
Concen: 123.966 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

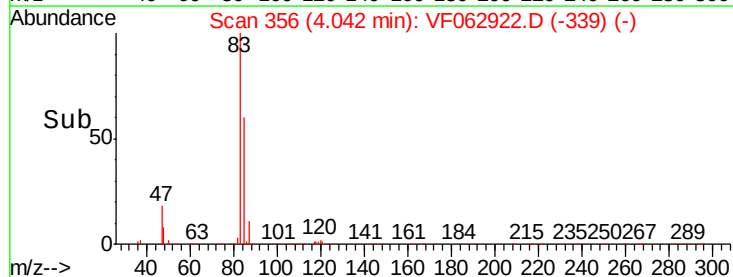
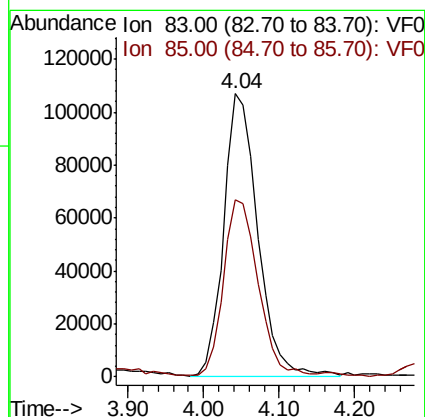
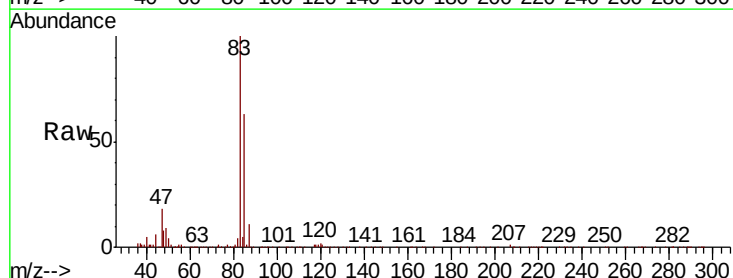
Instrument :
MSVOA_F
ClientSampled :

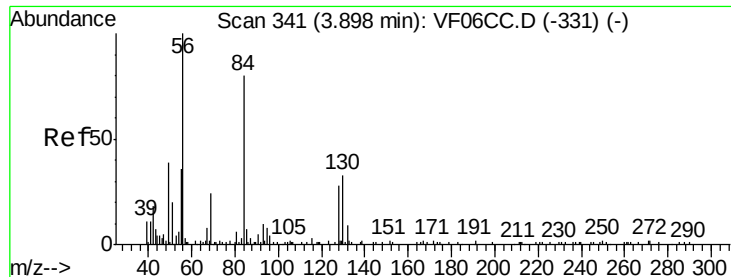
Tot Ion: 42 Resp: 132471
Ion Ratio Lower Upper
42 100
72 47.7 39.0 58.6
71 50.7 36.9 55.3



#30
Chloroform
Concen: 22.568 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.04 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 83 Resp: 329729
Ion Ratio Lower Upper
83 100
85 62.6 55.0 82.6

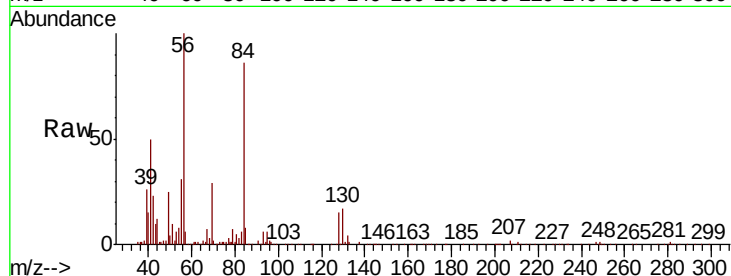




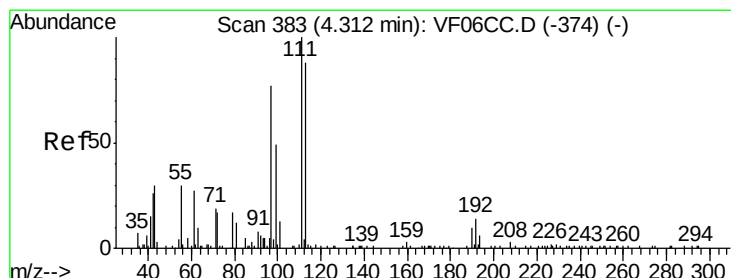
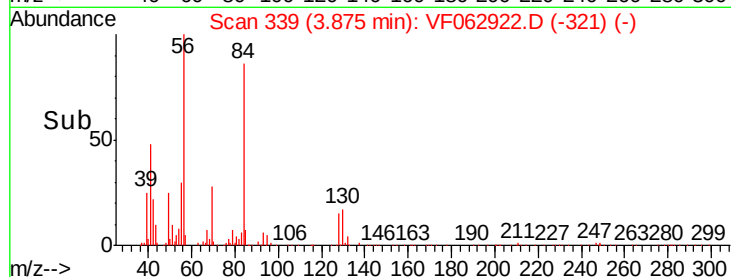
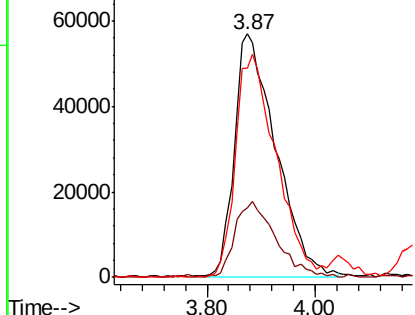
#31
Cyclohexane
Concen: 21.496 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 301699
Ion Ratio Lower Upper
56 100
69 28.5 26.7 40.1
84 85.9 74.3 111.5

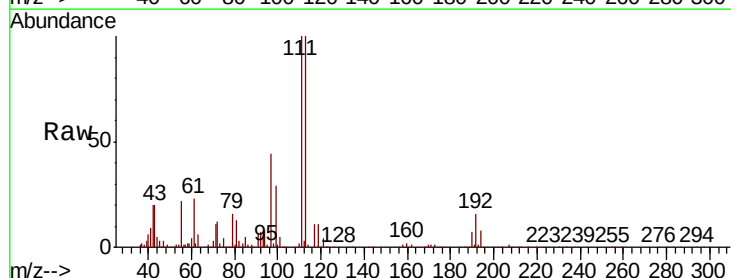


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

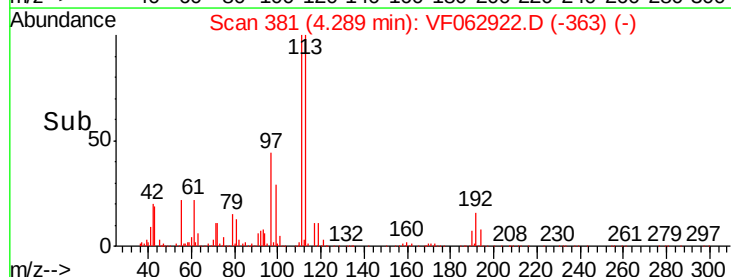
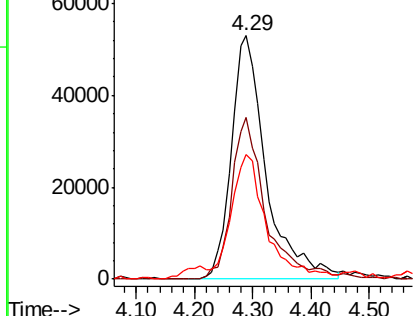


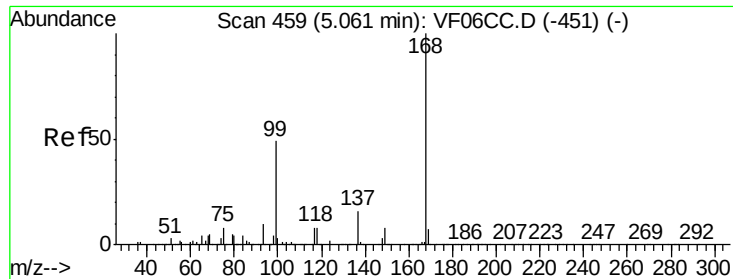
#32
1,1,1-Trichloroethane
Concen: 25.939 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 97 Resp: 220652
Ion Ratio Lower Upper
97 100
99 66.4 51.7 77.5
61 51.3 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

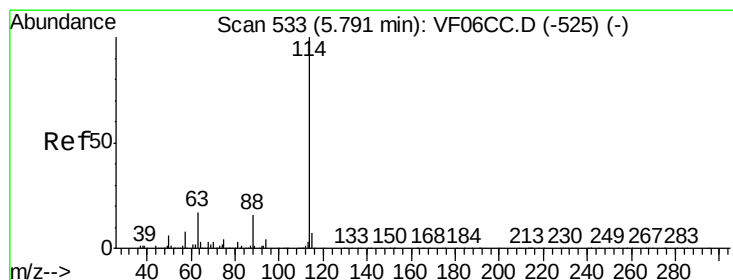
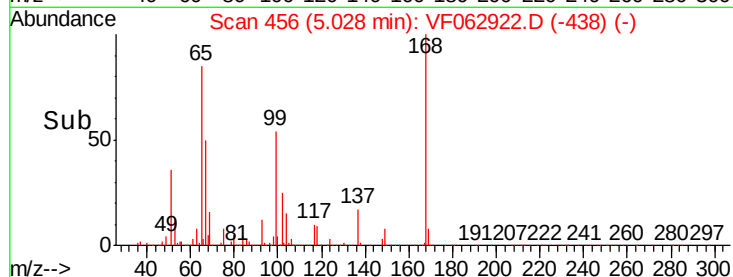
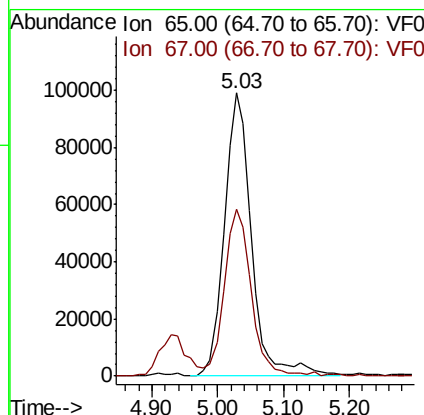
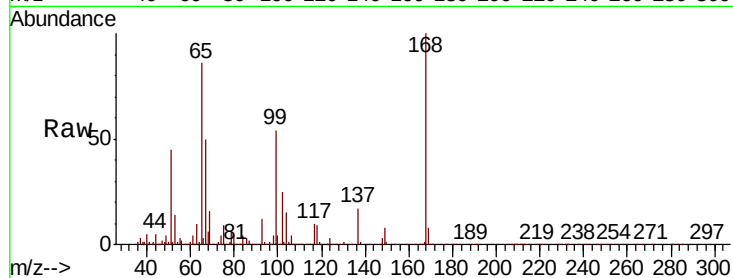




#33
 1,2-Dichloroethane-d4
 Concen: 54.004 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

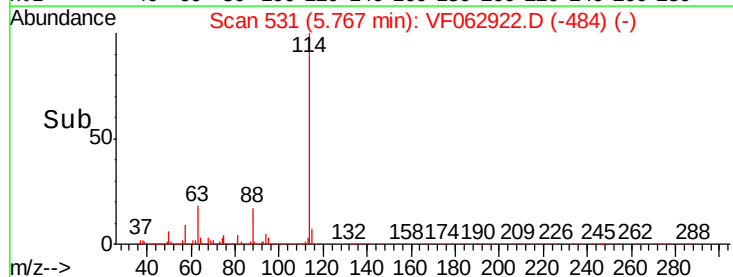
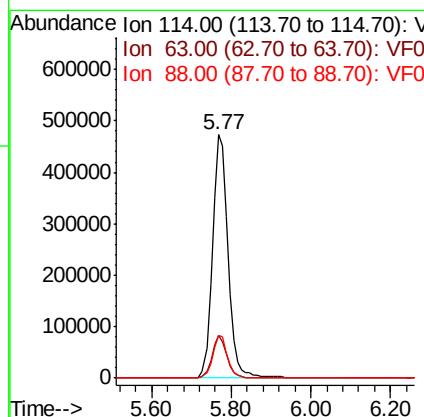
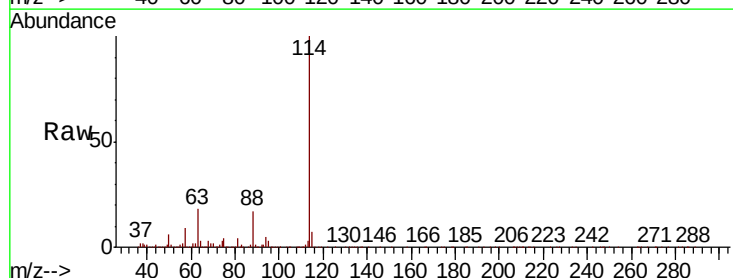
Instrument :
 MSVOA_F
 ClientSampleId :

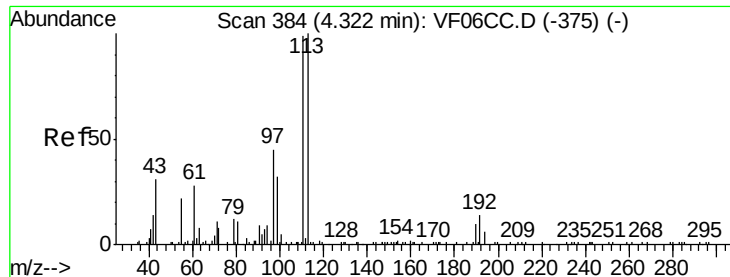
Tot Ion: 65 Resp: 283080
 Ion Ratio Lower Upper
 65 100
 67 58.8 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.04 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion: 114 Resp: 1299368
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.2
 88 17.3 0.0 31.2

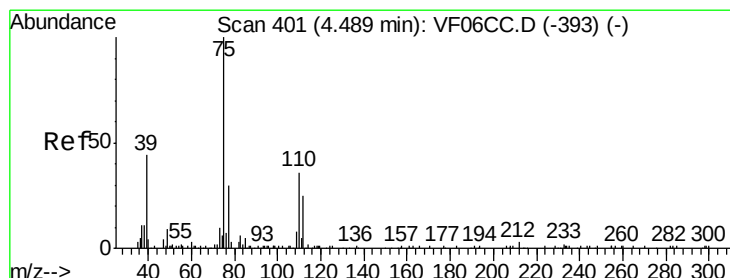
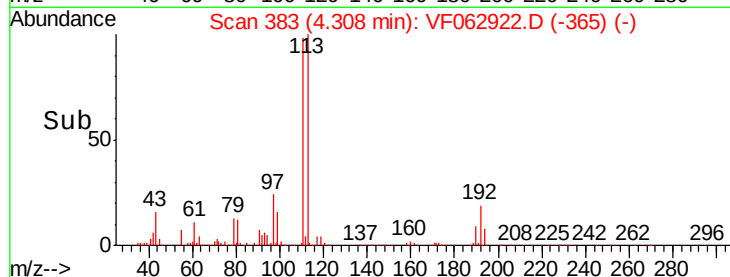
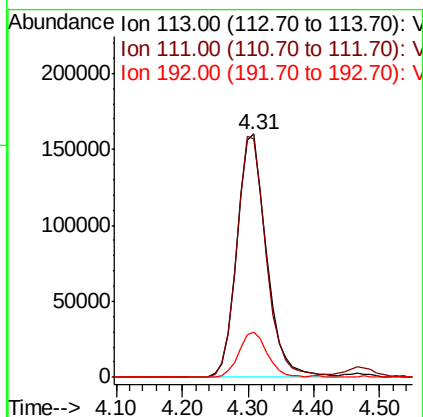
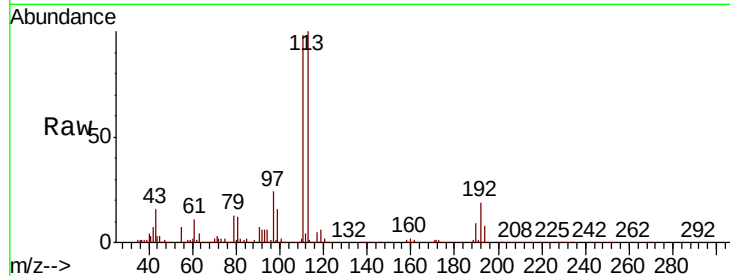




#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

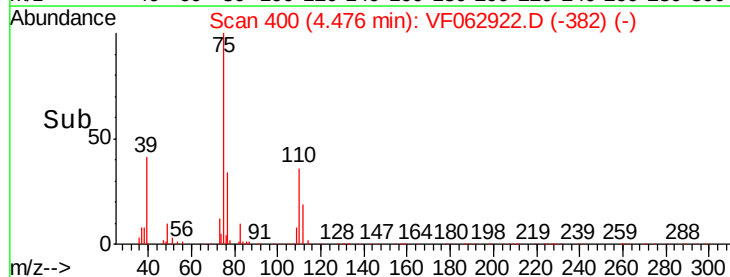
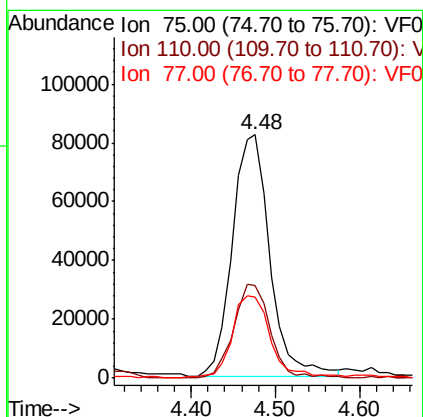
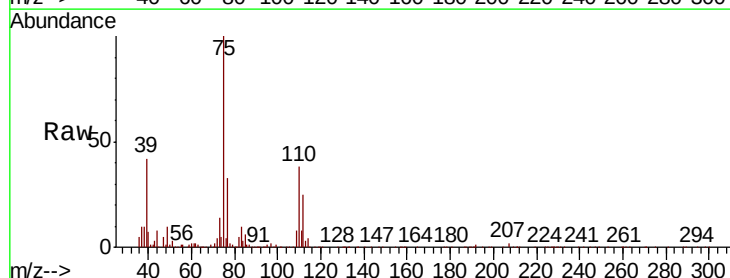
Instrument :
MSVOA_F
ClientSampleId :

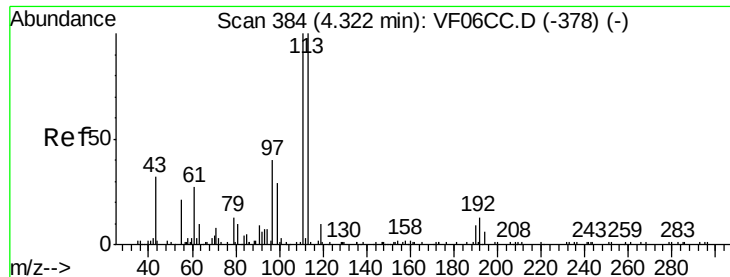
Tot Ion:113 Resp: 503616
Ion Ratio Lower Upper
113 100
111 97.9 81.9 122.9
192 18.6 15.1 22.7



#36
1,1-Dichloropropene
Concen: 21.418 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 75 Resp: 256205
Ion Ratio Lower Upper
75 100
110 37.9 19.4 58.1
77 33.5 25.4 38.2





#37

Ethyl Acetate

Concen: 24.851 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

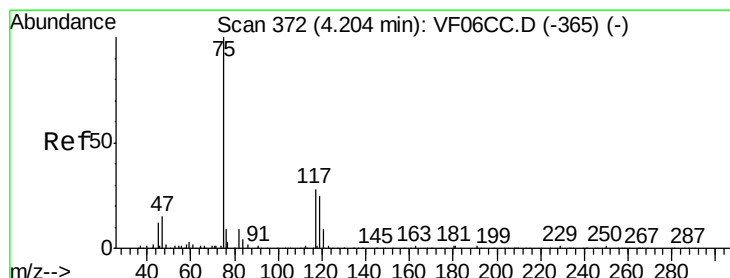
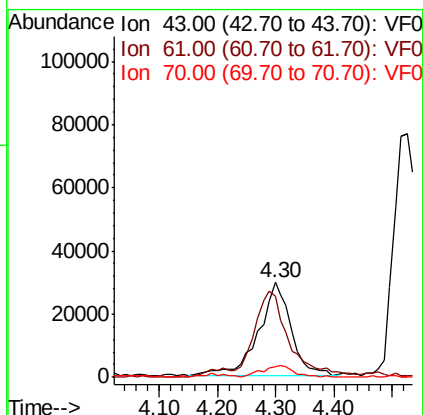
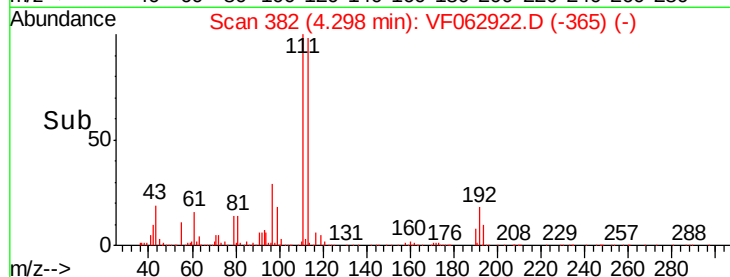
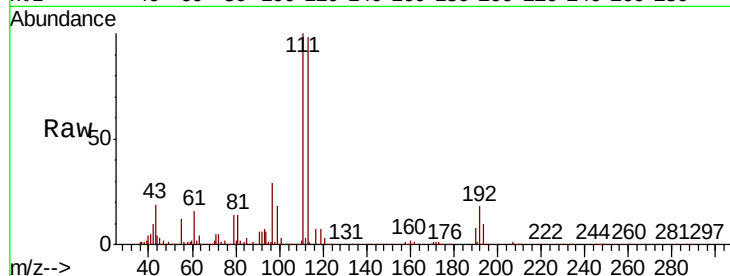
Tot Ion: 43 Resp: 113633

Ion Ratio Lower Upper

43 100

61 86.0 59.1 88.7

70 10.8 10.1 15.1



#38

Carbon Tetrachloride

Concen: 24.877 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

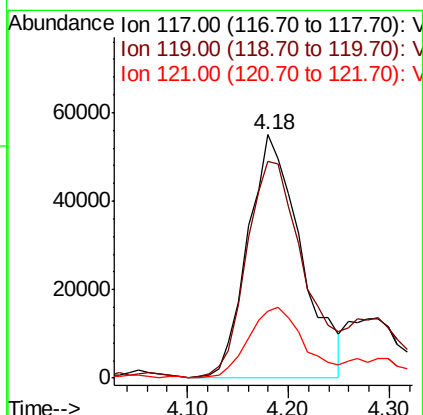
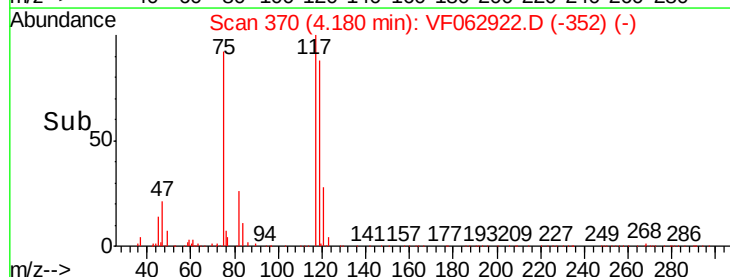
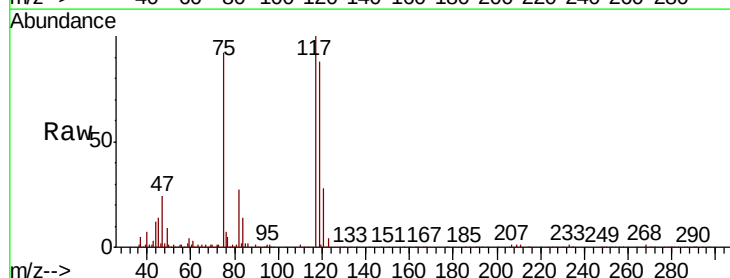
Tgt Ion: 117 Resp: 201111

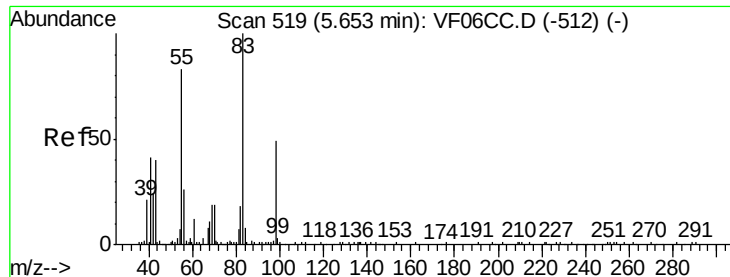
Ion Ratio Lower Upper

117 100

119 89.1 78.2 117.2

121 27.5 28.2 42.2#

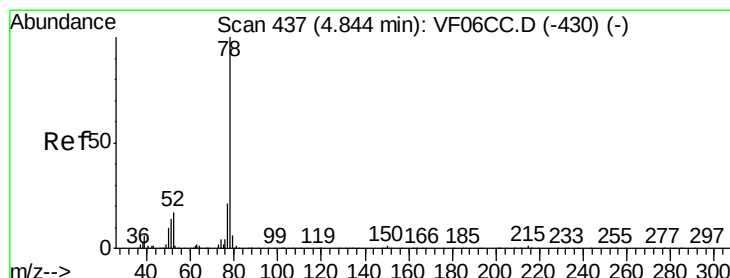
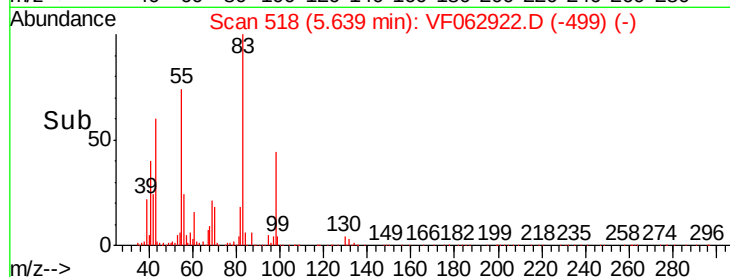
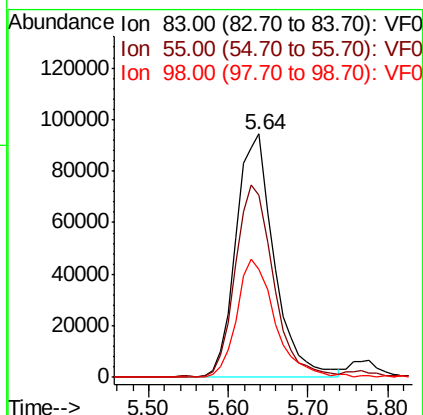
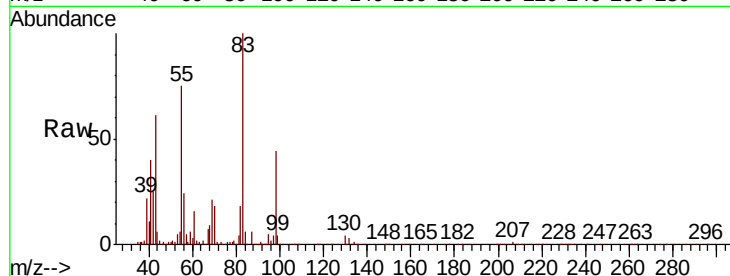




#39
Methylcyclohexane
Concen: 21.133 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

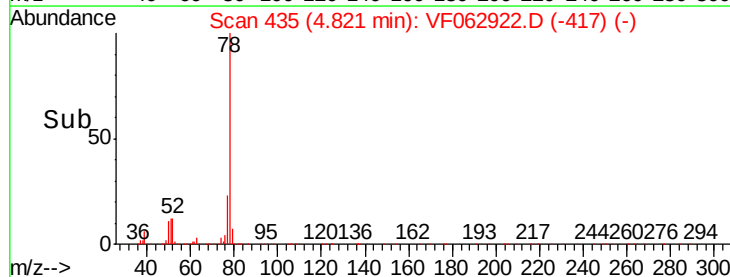
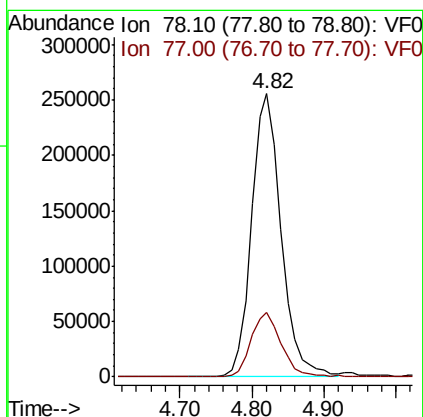
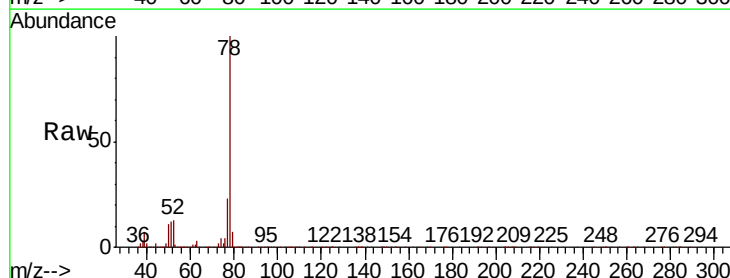
Instrument :
MSVOA_F
ClientSampleId :

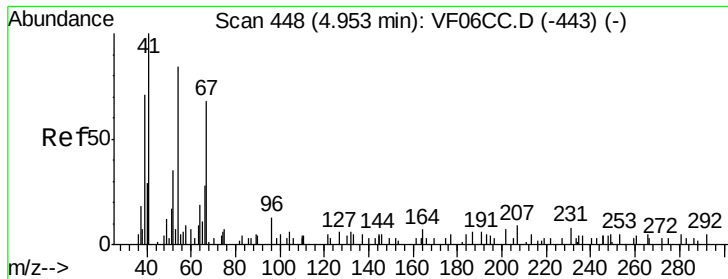
Tot Ion: 83 Resp: 314618
Ion Ratio Lower Upper
83 100
55 74.8 61.6 92.4
98 44.1 37.4 56.2



#40
Benzene
Concen: 21.045 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 78 Resp: 732639
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3





#41

Methacrylonitrile

Concen: 23.267 ug/l

RT: 4.93 min Scan# 446

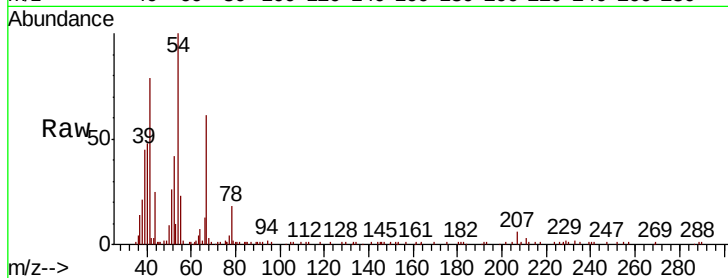
Delta R.T. -0.03 min

Lab File: VF062922.D

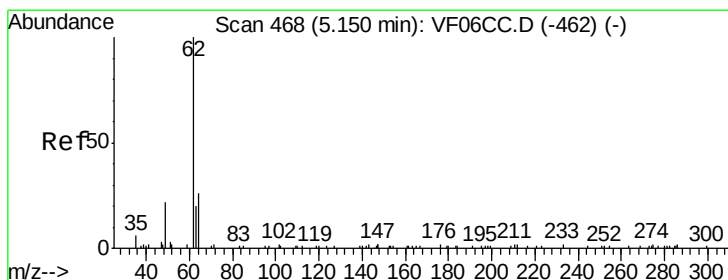
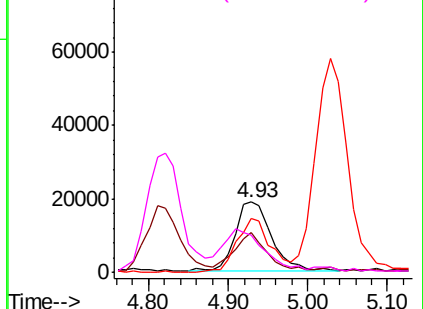
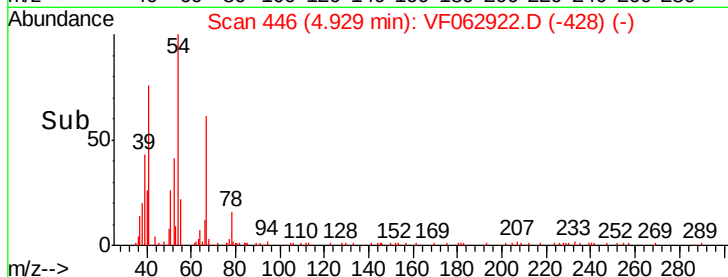
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	59146
Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.0	63.0
67	76.6	61.4	92.0
52	52.9	42.1	63.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.202 ug/l

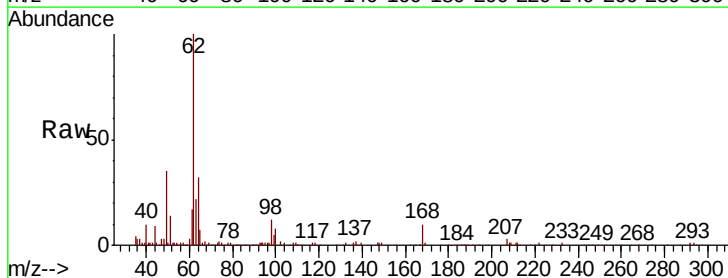
RT: 5.14 min Scan# 467

Delta R.T. -0.02 min

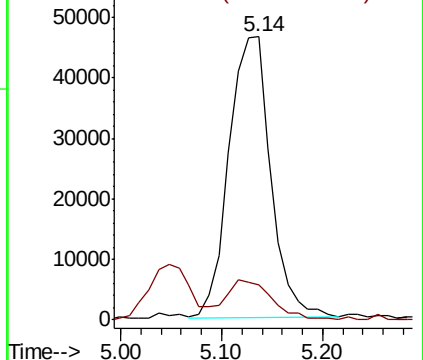
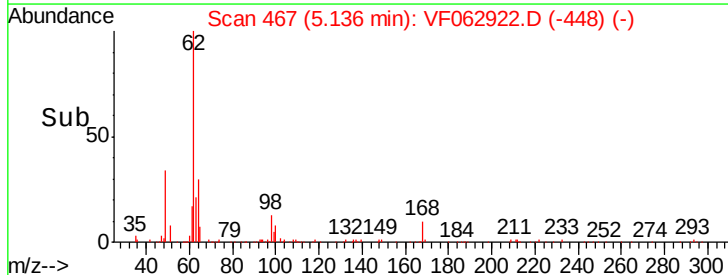
Lab File: VF062922.D

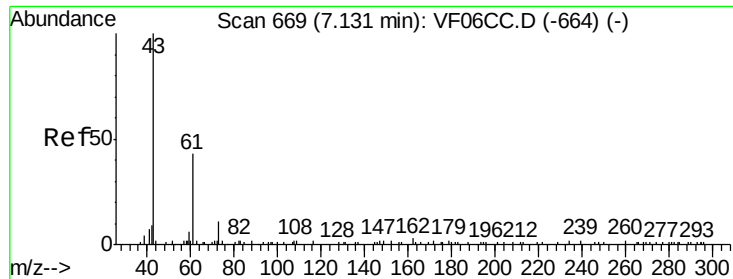
Acq: 12 Jun 2019 12:45

Tgt Ion:	62	Resp:	133763
Ion	Ratio	Lower	Upper
62	100		
98	12.4	0.0	24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 22.615 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

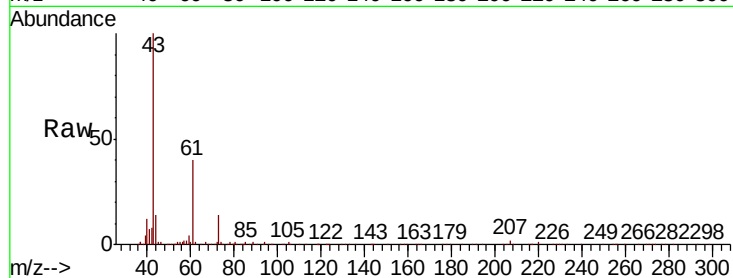
Tot Ion: 43 Resp: 136605

Ion Ratio Lower Upper

43 100

61 39.5 29.8 44.6

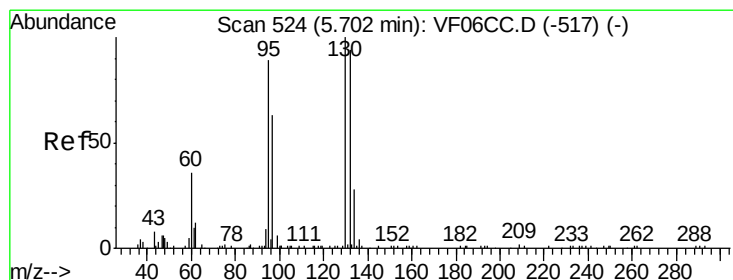
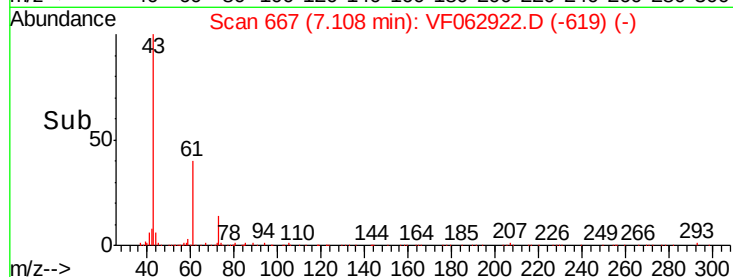
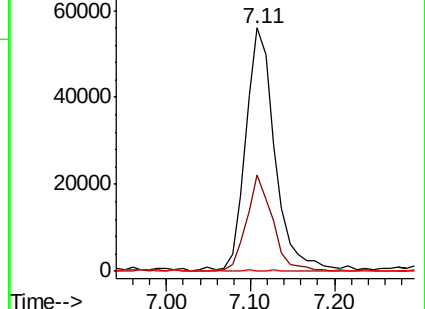
87 0.3 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.577 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.03 min

Lab File: VF062922.D

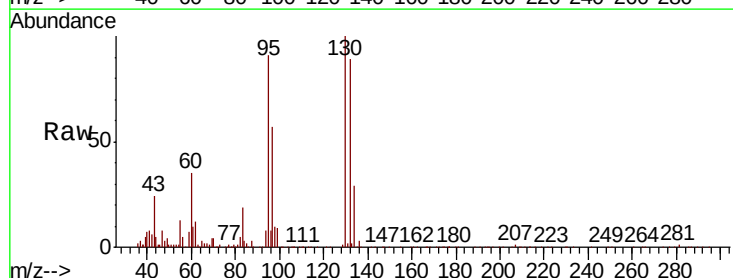
Acq: 12 Jun 2019 12:45

Tgt Ion: 130 Resp: 211993

Ion Ratio Lower Upper

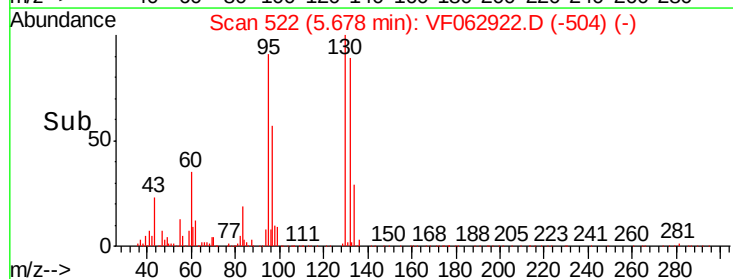
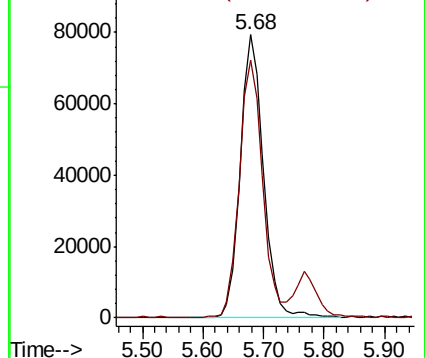
130 100

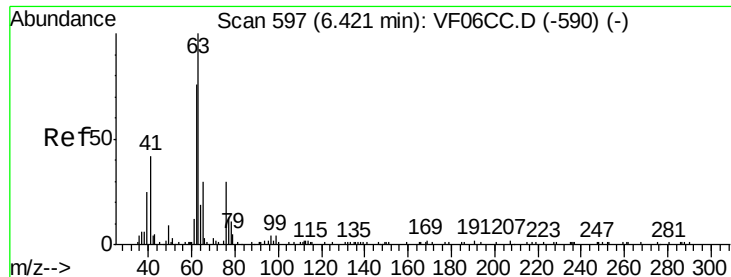
95 91.0 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

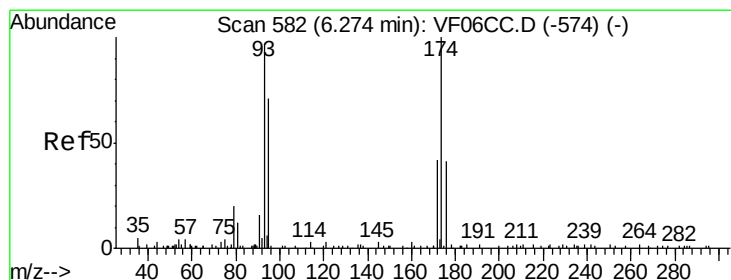
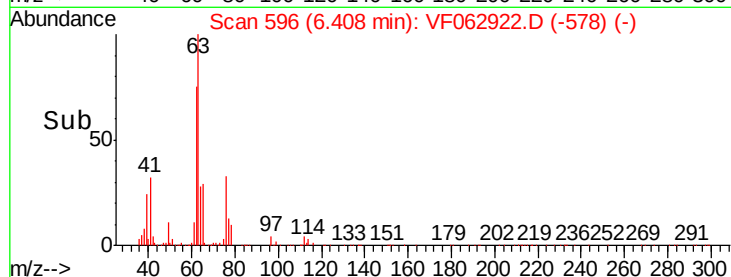
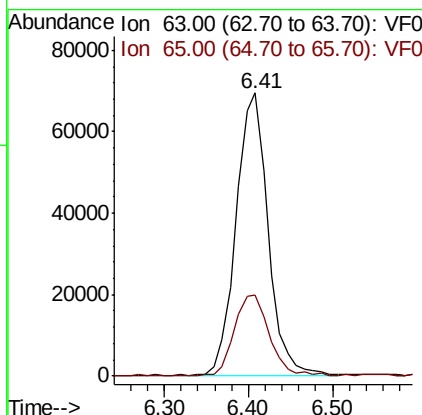
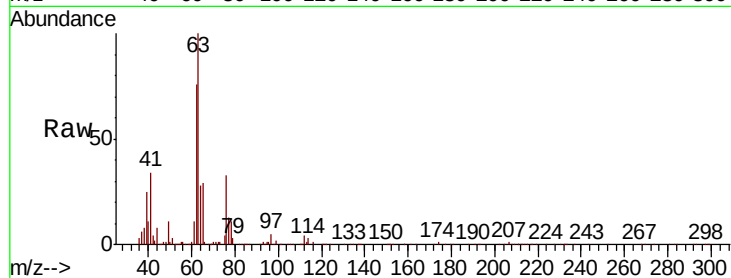




#45
1,2-Dichloropropane
Concen: 21.069 ug/l
RT: 6.41 min Scan# 596
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

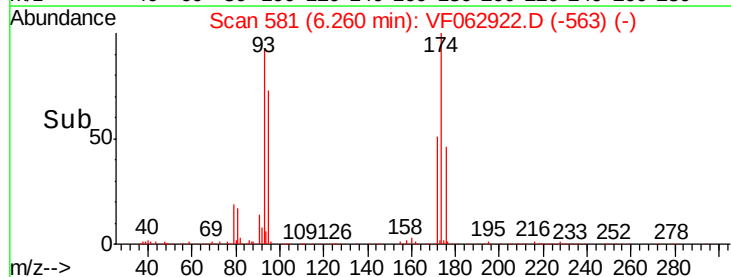
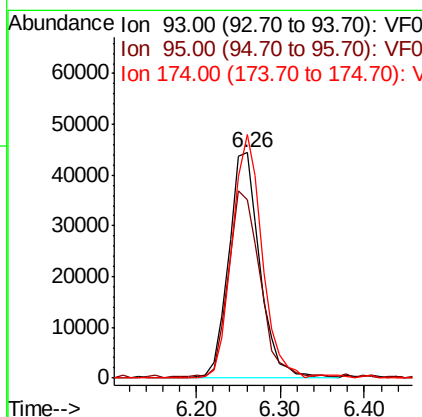
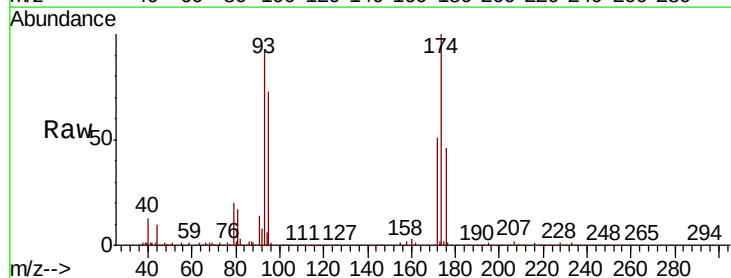
Instrument :
MSVOA_F
ClientSampleId :

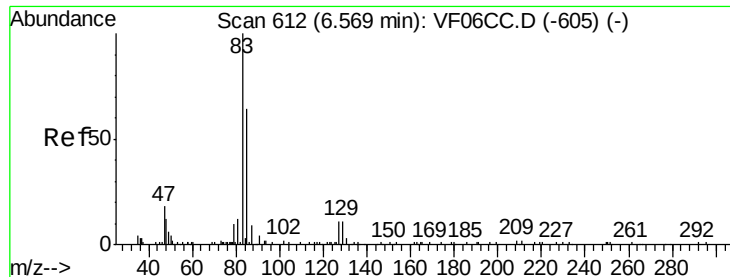
Tot Ion: 63 Resp: 184067
Ion Ratio Lower Upper
63 100
65 28.8 24.2 36.2



#46
Dibromomethane
Concen: 22.461 ug/l
RT: 6.26 min Scan# 581
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 93 Resp: 114566
Ion Ratio Lower Upper
93 100
95 79.2 67.9 101.9
174 110.0 85.0 127.4





#47

Bromodichloromethane

Concen: 21.251 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampled :

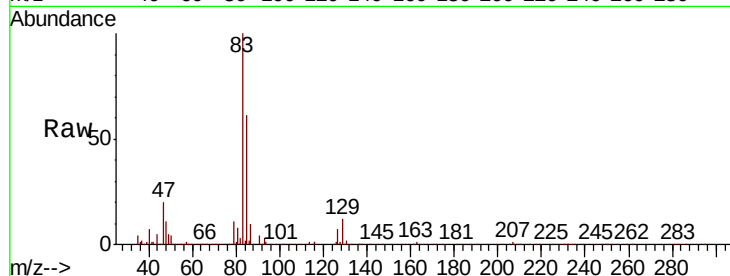
Tot Ion: 83 Resp: 220745

Ion Ratio Lower Upper

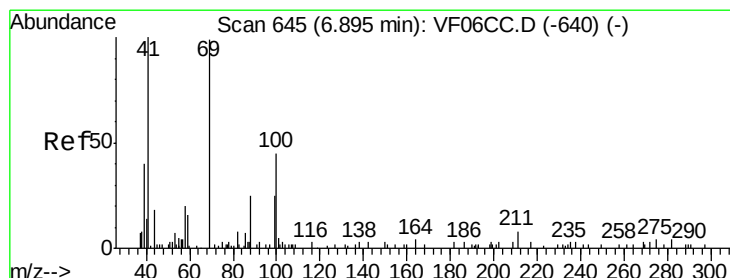
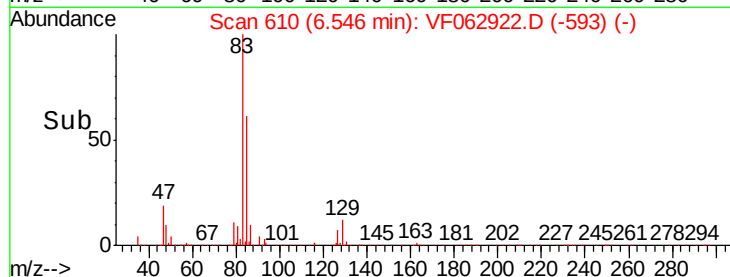
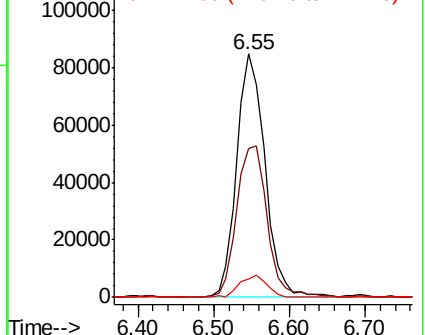
83 100

85 61.3 54.2 81.4

127 8.3 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: 20.788 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

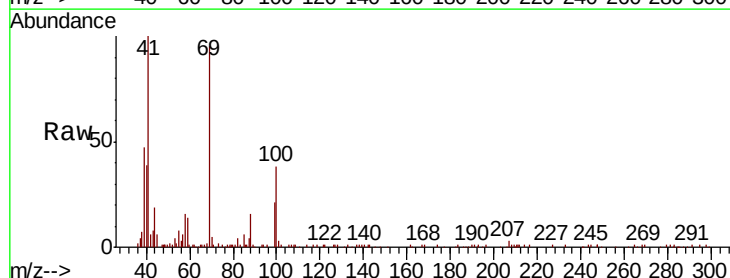
Tgt Ion: 41 Resp: 64713

Ion Ratio Lower Upper

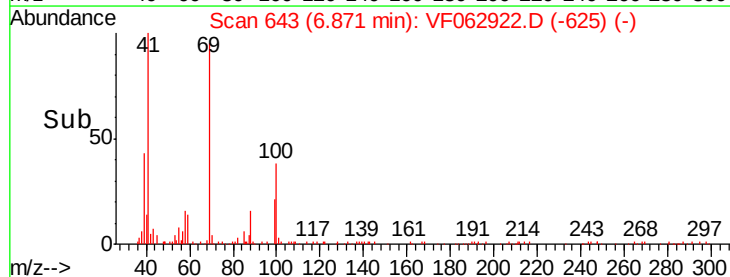
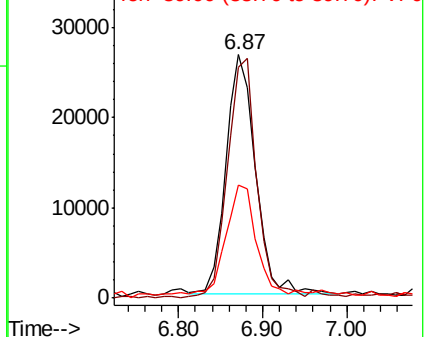
41 100

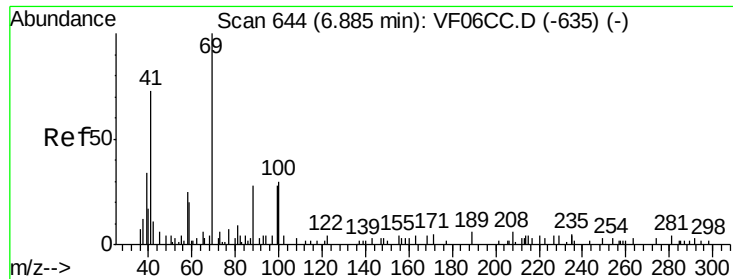
69 94.6 79.4 119.2

39 46.7 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: 401.162 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

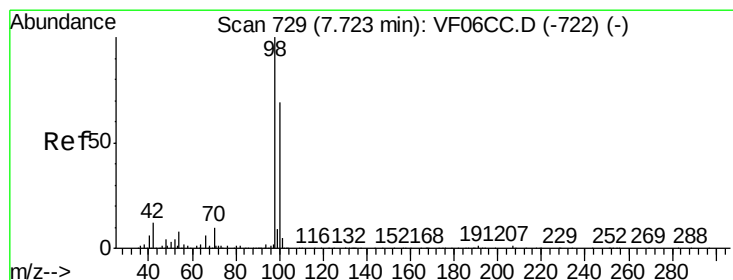
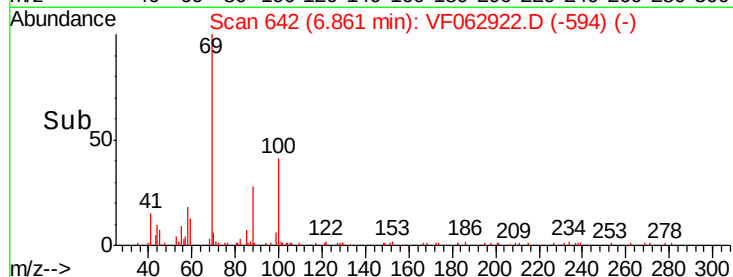
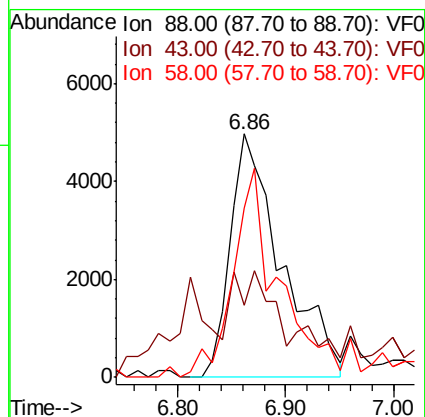
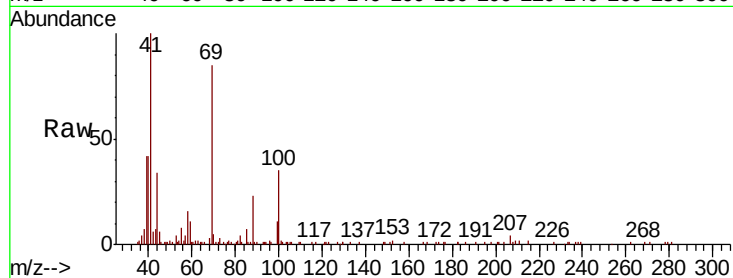
Tot Ion: 88 Resp: 16461

Ion Ratio Lower Upper

88 100

43 29.6 34.8 52.2#

58 69.4 59.9 89.9



#50

Toluene-d8

Concen: 47.749 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.04 min

Lab File: VF062922.D

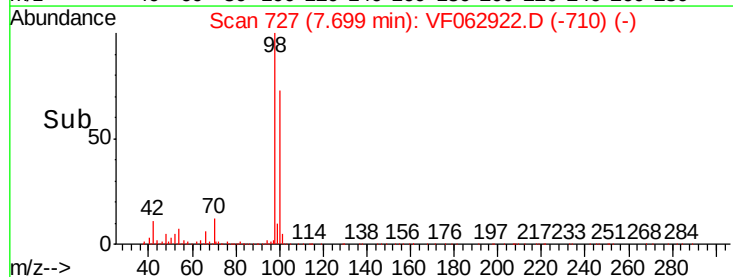
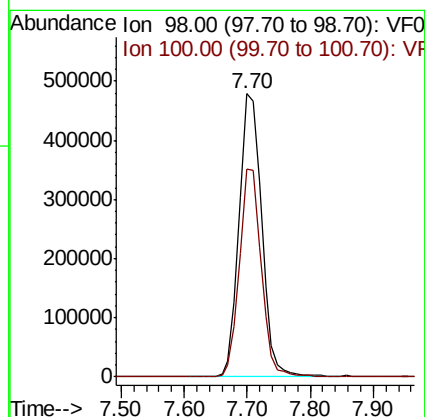
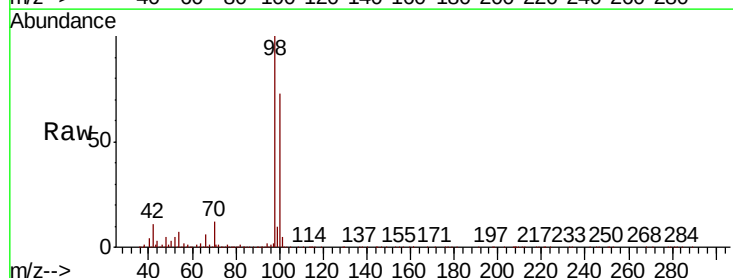
Acq: 12 Jun 2019 12:45

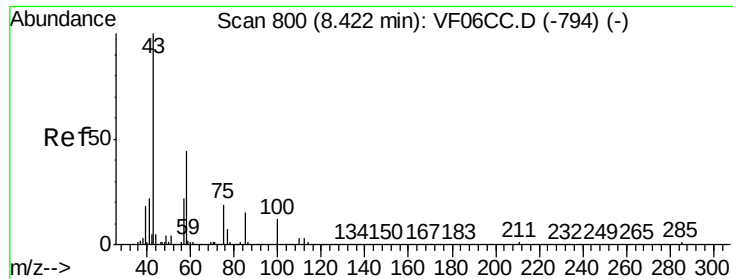
Tgt Ion: 98 Resp: 1185561

Ion Ratio Lower Upper

98 100

100 73.3 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 119.242 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

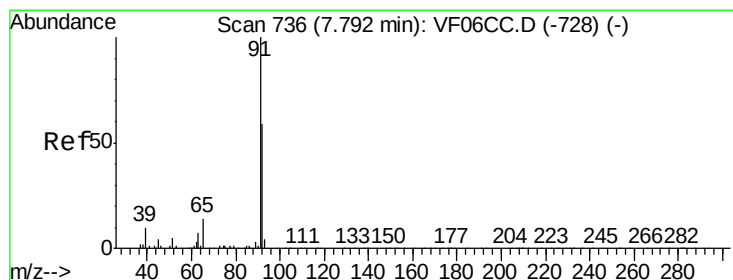
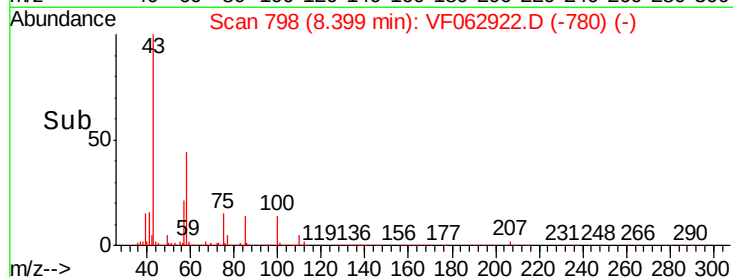
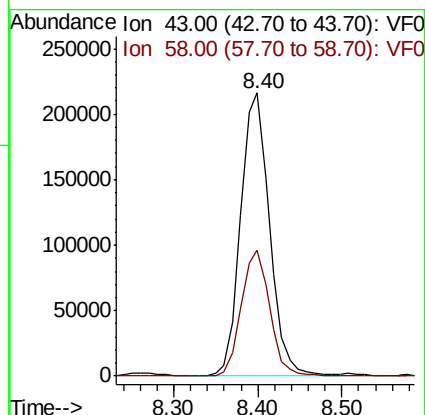
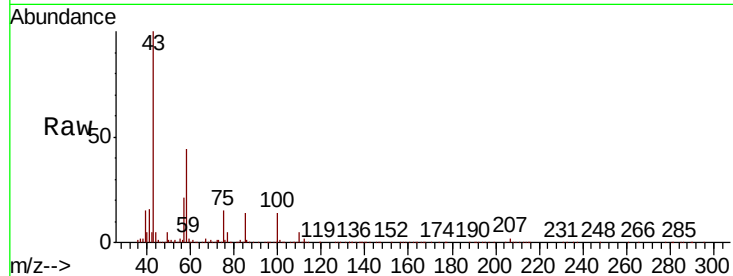
ClientSampleId :

Tot Ion: 43 Resp: 514235

Ion Ratio Lower Upper

43 100

58 44.4 35.5 53.3



#52

Toluene

Concen: 20.561 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062922.D

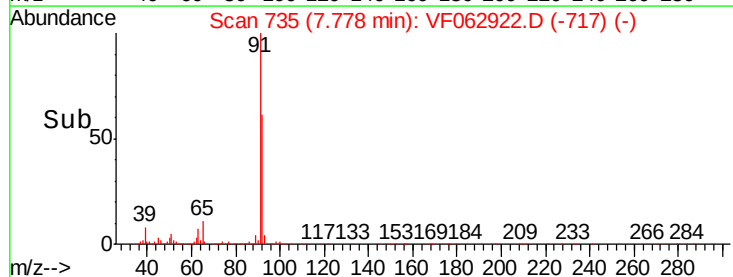
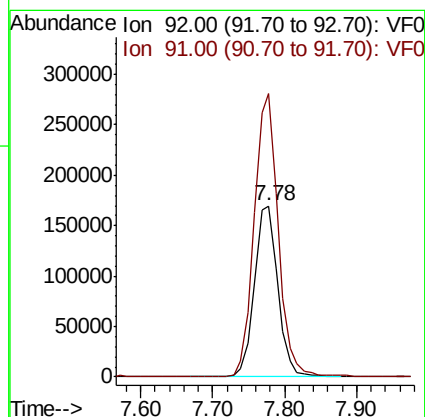
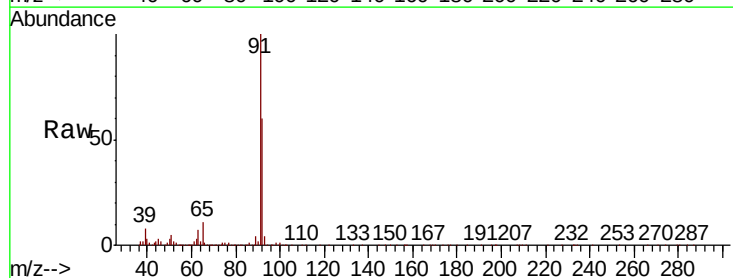
Acq: 12 Jun 2019 12:45

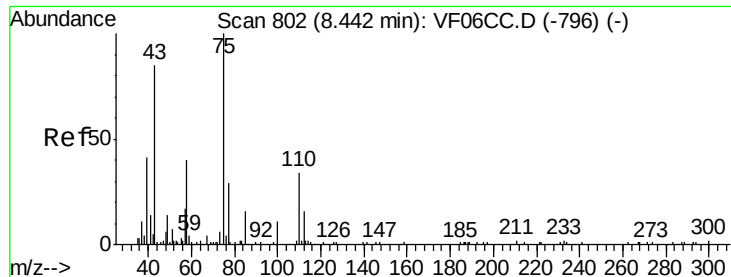
Tgt Ion: 92 Resp: 385542

Ion Ratio Lower Upper

92 100

91 165.5 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 22.142 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

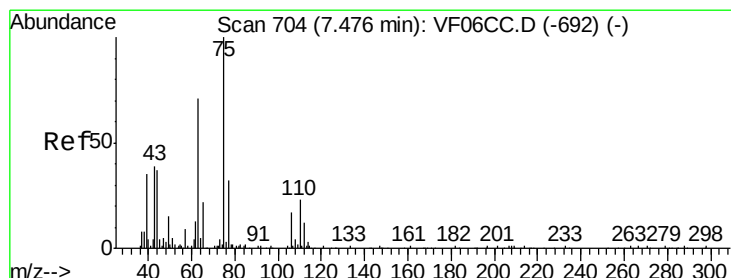
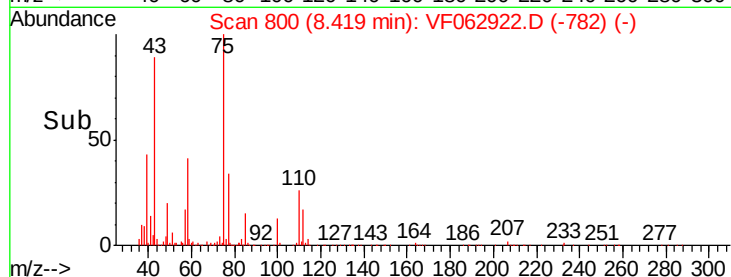
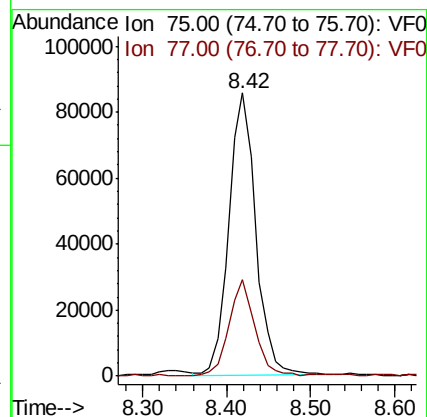
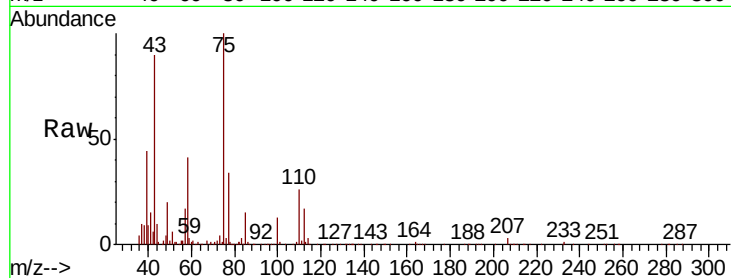
ClientSampleId :

Tot Ion: 75 Resp: 190597

Ion Ratio Lower Upper

75 100

77 34.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.958 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

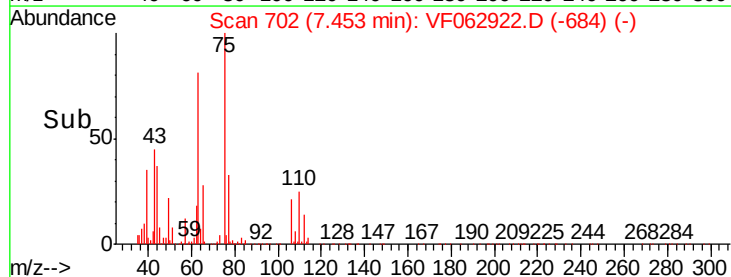
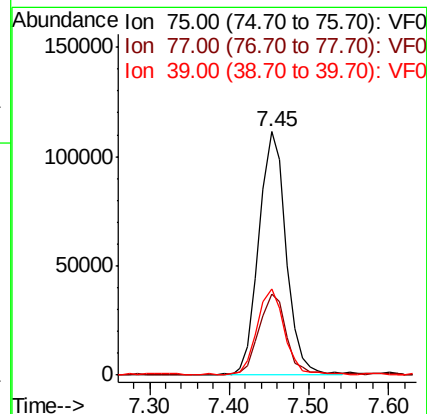
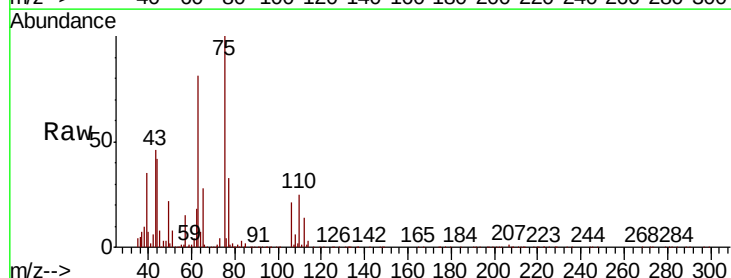
Tgt Ion: 75 Resp: 261133

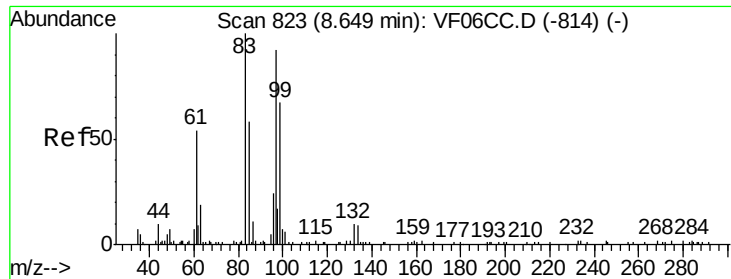
Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8

39 35.2 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.340 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 125146

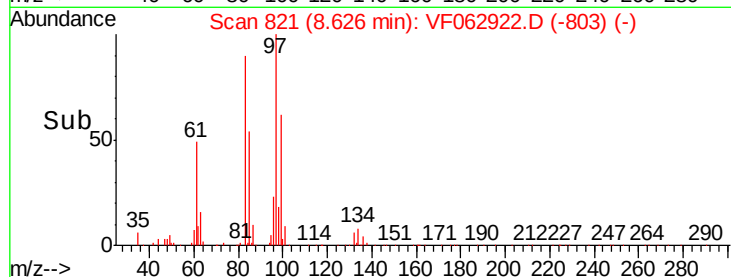
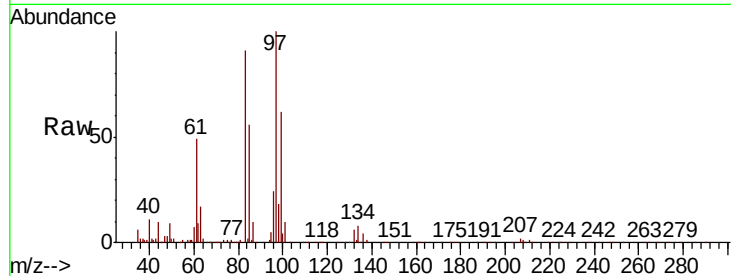
Ion Ratio Lower Upper

97 100

83 90.7 72.0 108.0

85 56.3 47.5 71.3

99 62.2 54.1 81.1

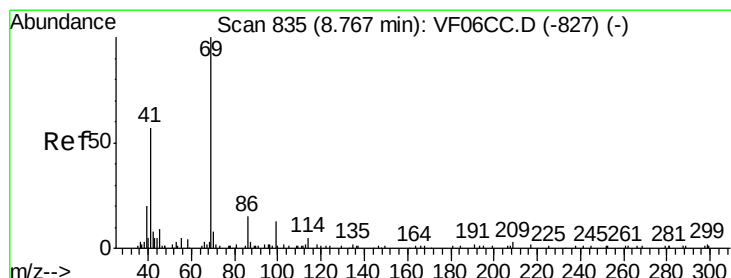
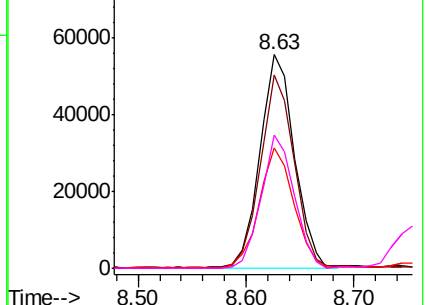


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 23.131 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

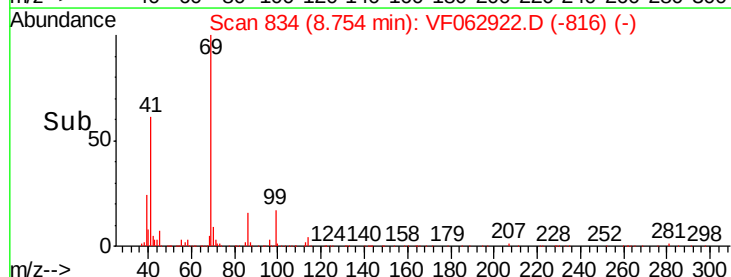
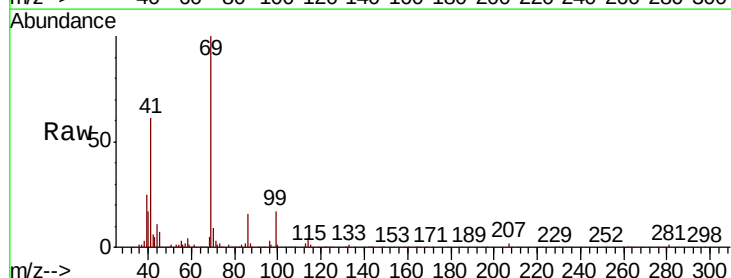
Tgt Ion: 69 Resp: 139028

Ion Ratio Lower Upper

69 100

41 60.8 46.6 69.8

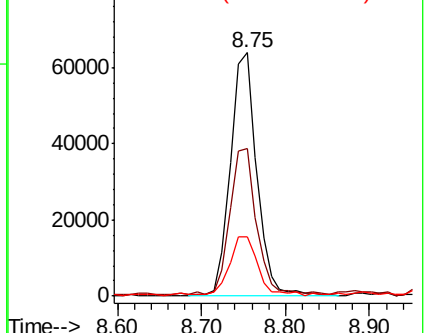
39 24.5 19.6 29.4

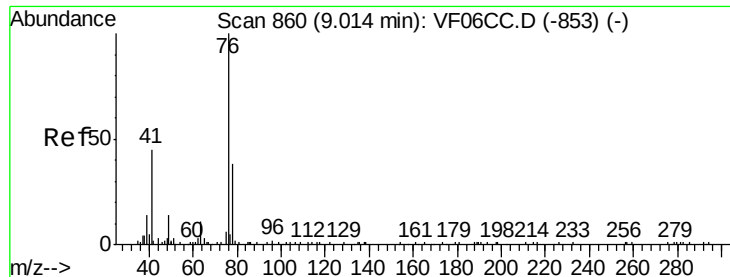


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.835 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

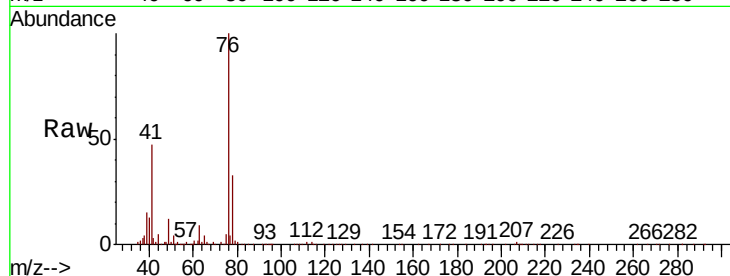
ClientSampleId :

Tot Ion: 76 Resp: 208891

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

100000

80000

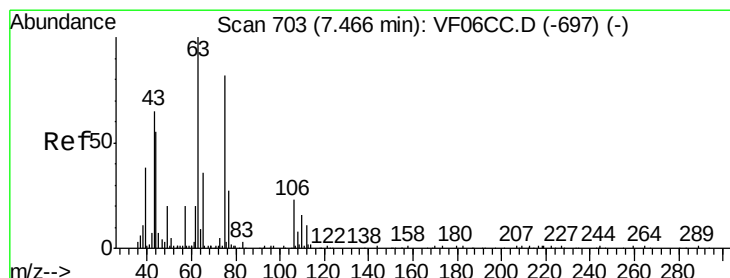
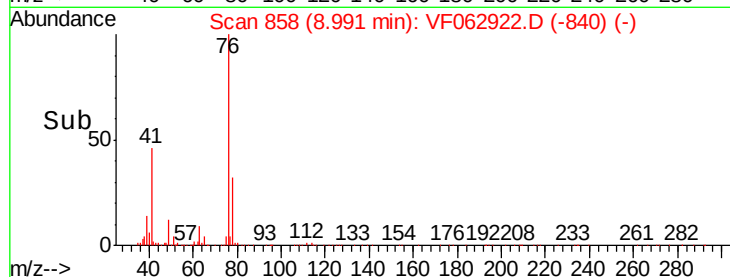
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 116.561 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF062922.D

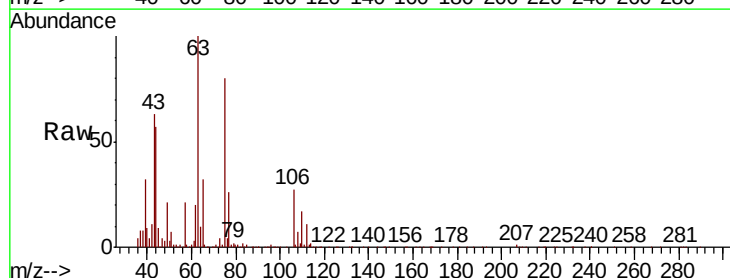
Acq: 12 Jun 2019 12:45

Tgt Ion: 63 Resp: 244852

Ion Ratio Lower Upper

63 100

106 27.4 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

120000

100000

80000

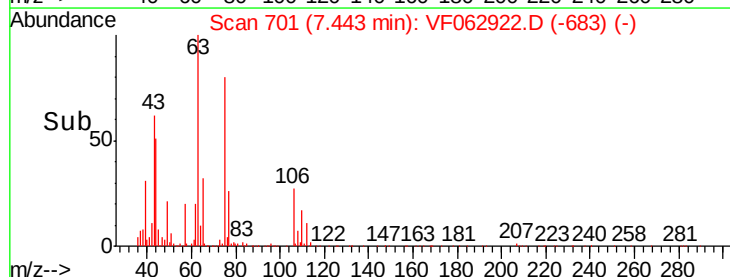
60000

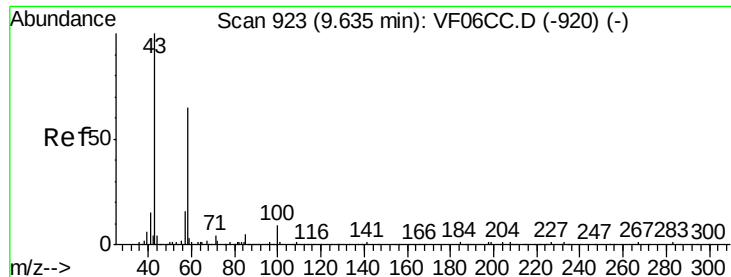
40000

20000

0

Time-->

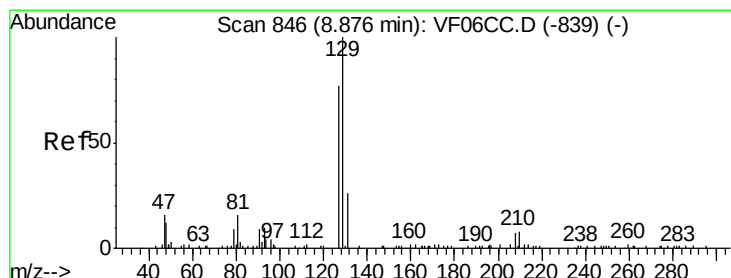
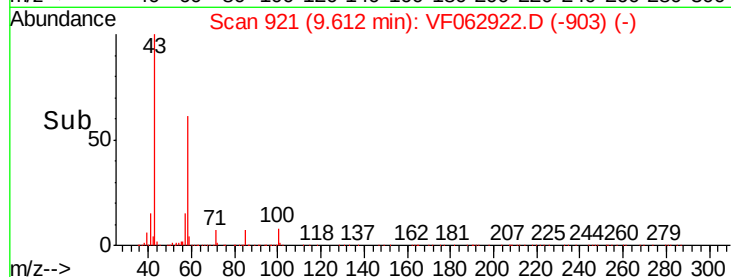
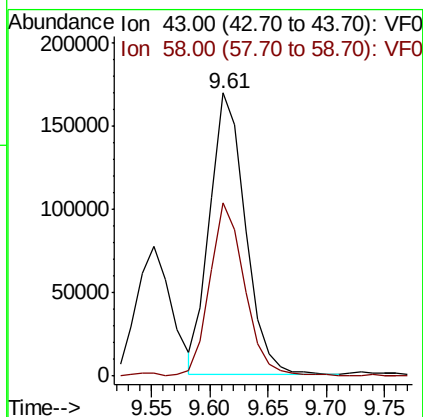
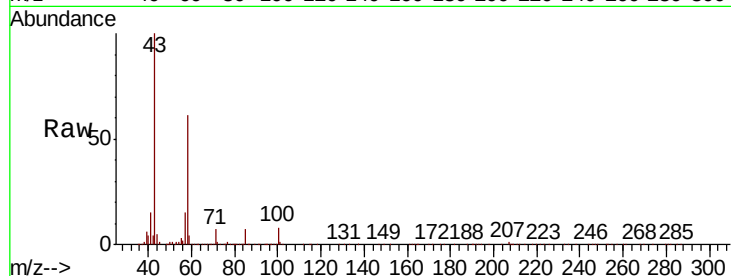




#59
2-Hexanone
Concen: 116.675 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

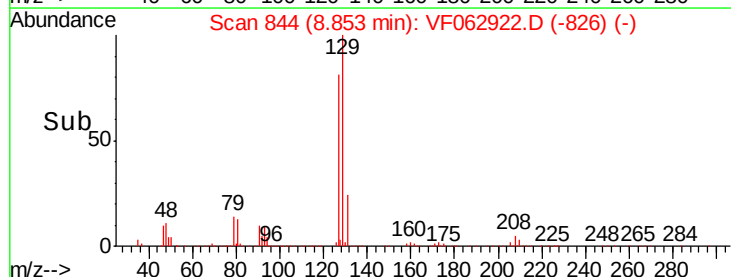
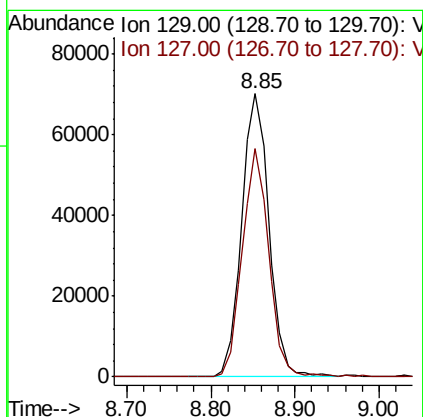
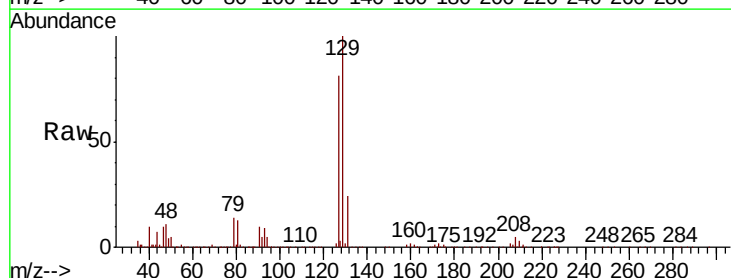
Instrument :
MSVOA_F
ClientSampleId :

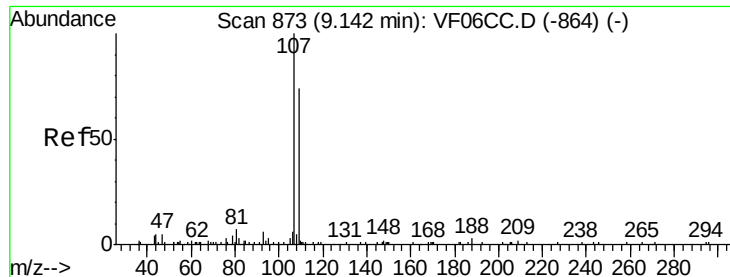
Tot Ion: 43 Resp: 358639
Ion Ratio Lower Upper
43 100
58 61.1 29.3 87.9



#60
Dibromochloromethane
Concen: 22.922 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 129 Resp: 158974
Ion Ratio Lower Upper
129 100
127 80.8 37.1 111.3

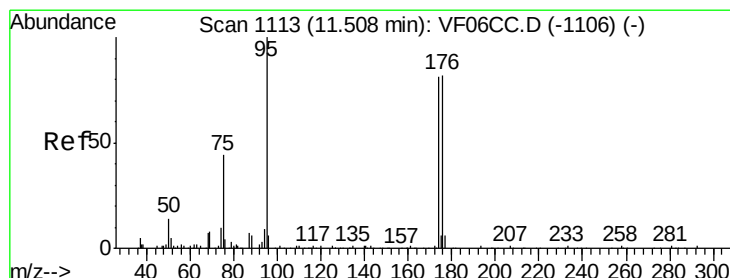
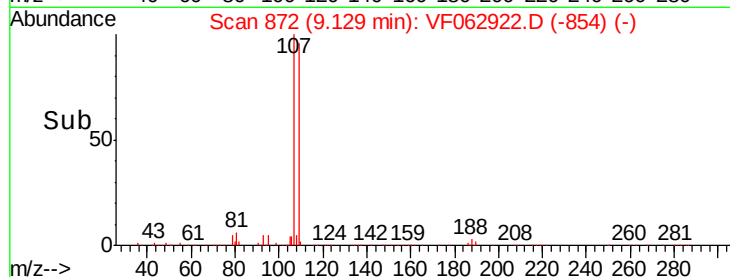
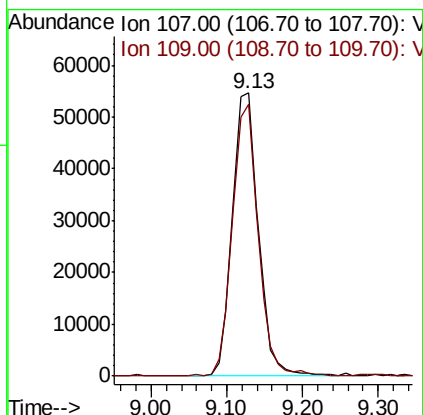
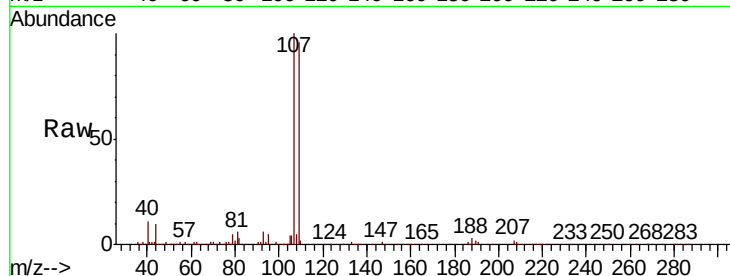




#61
 1,2-Dibromoethane
 Concen: 22.067 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

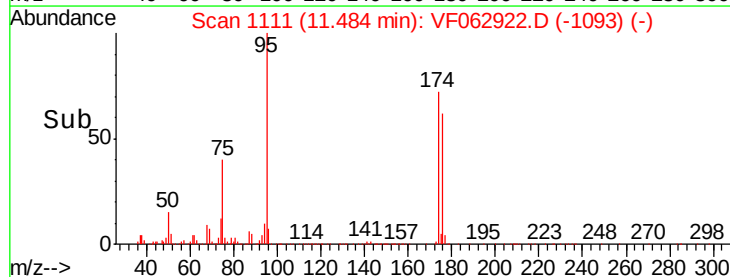
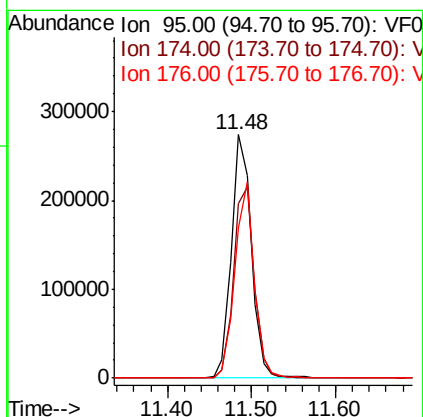
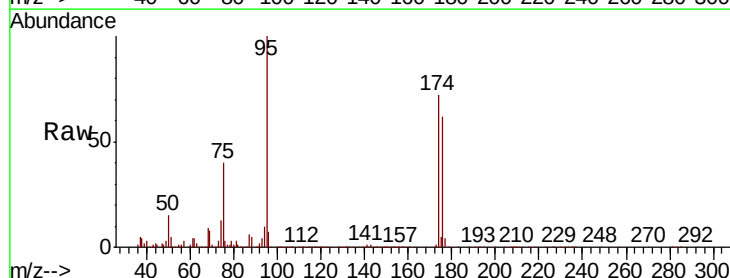
Instrument :
 MSVOA_F
 ClientSampled :

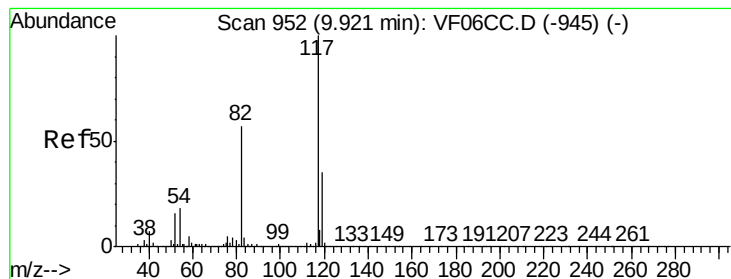
Tot Ion:107 Resp: 128380
 Ion Ratio Lower Upper
 107 100
 109 96.0 78.1 117.1



#62
 4-Bromofluorobenzene
 Concen: 51.025 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion: 95 Resp: 455726
 Ion Ratio Lower Upper
 95 100
 174 71.9 0.0 170.6
 176 61.8 0.0 170.6

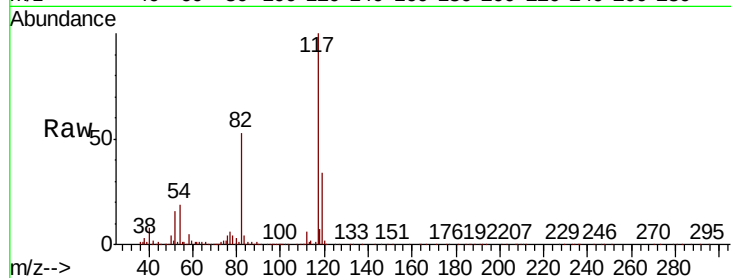




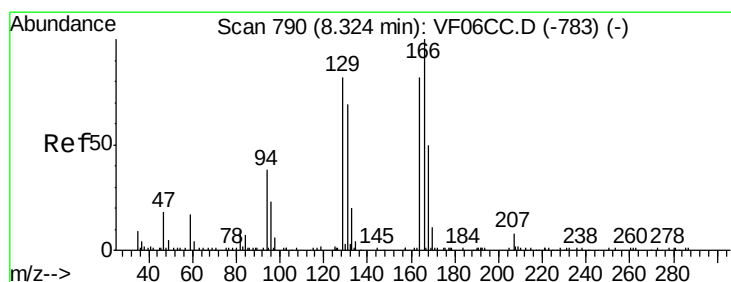
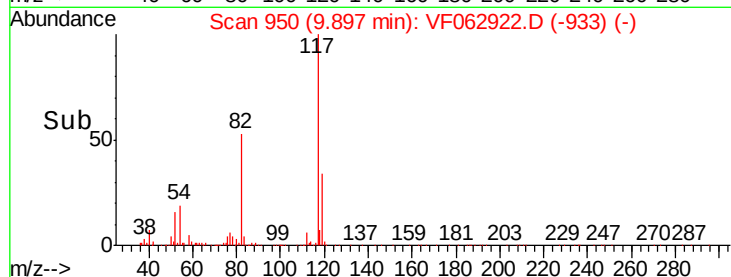
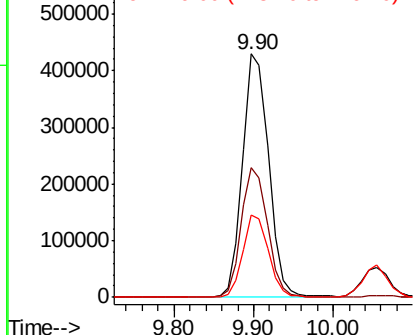
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.04 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 976300
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 33.8 27.1 40.7

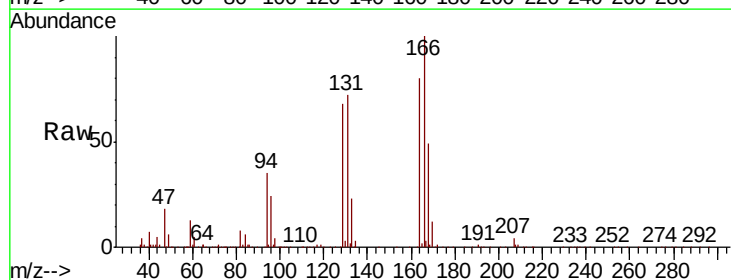


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

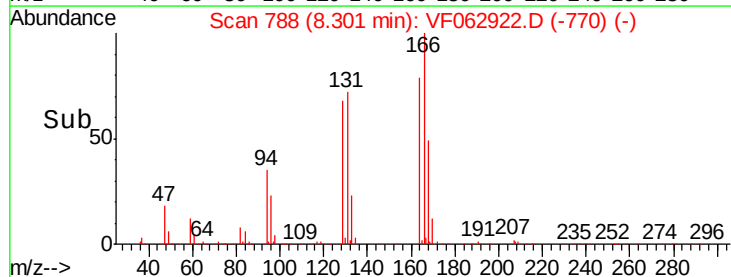
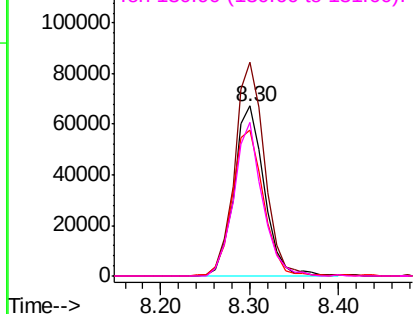


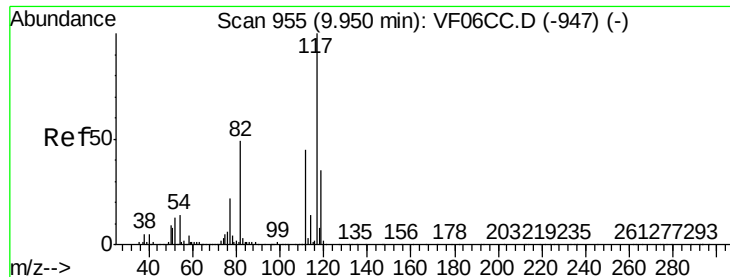
#64
Tetrachloroethene
Concen: 21.113 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion:164 Resp: 158399
Ion Ratio Lower Upper
164 100
166 125.8 99.1 148.7
129 85.9 69.5 104.3
131 90.6 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: 21.724 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

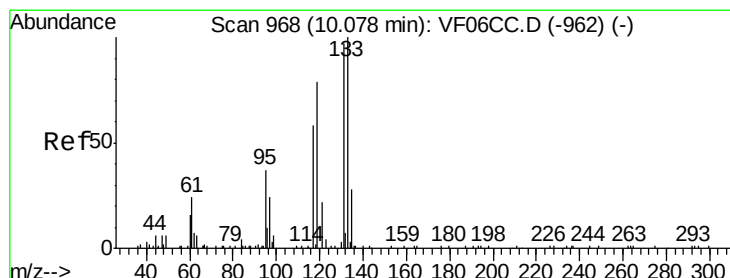
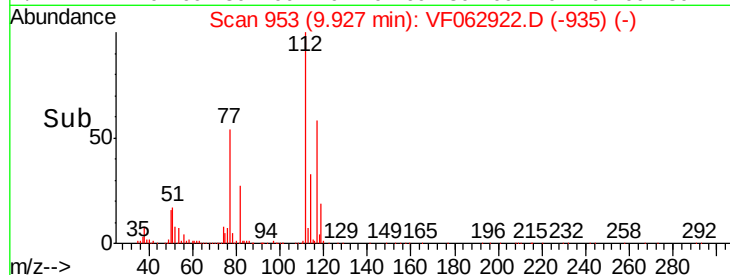
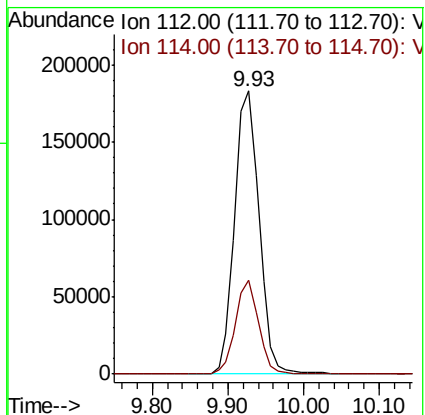
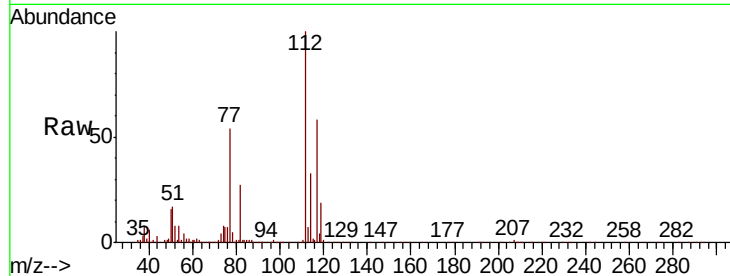
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 409573

Ion Ratio Lower Upper

112 100

114 33.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.033 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

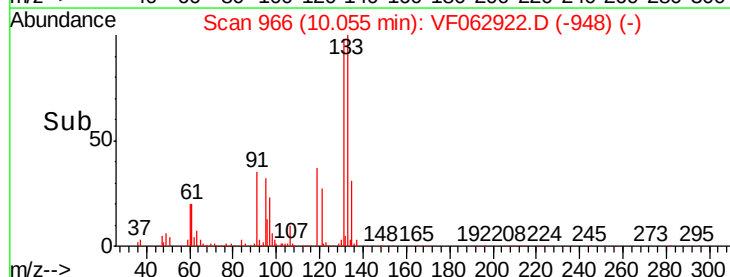
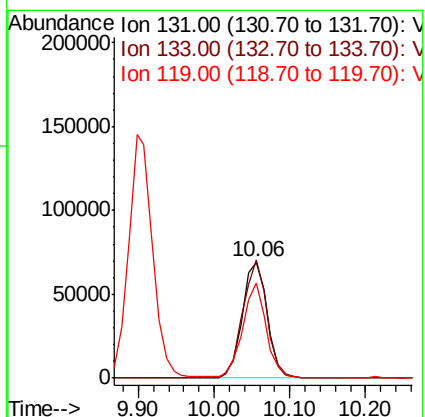
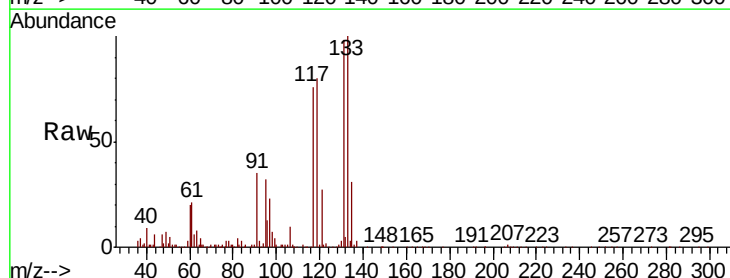
Tgt Ion:131 Resp: 157930

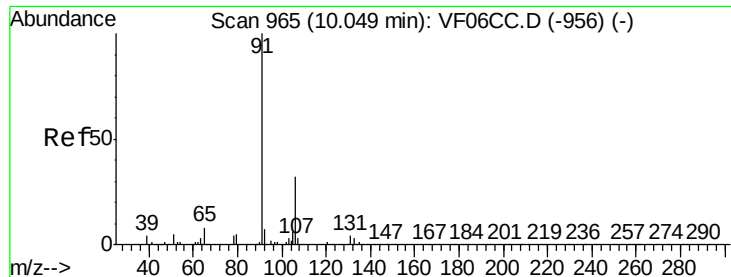
Ion Ratio Lower Upper

131 100

133 102.3 48.9 146.7

119 82.1 38.0 114.0

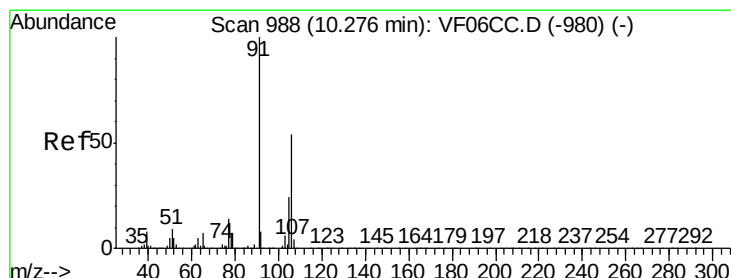
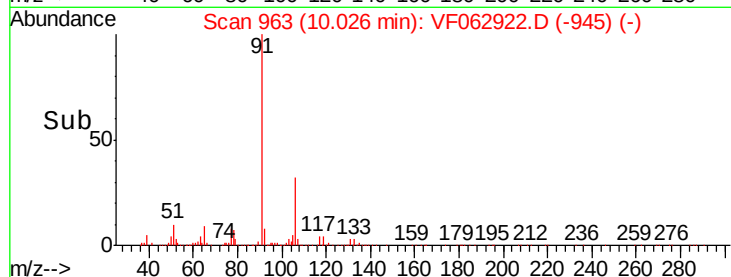
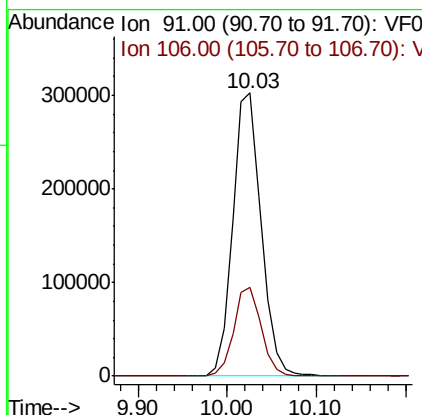
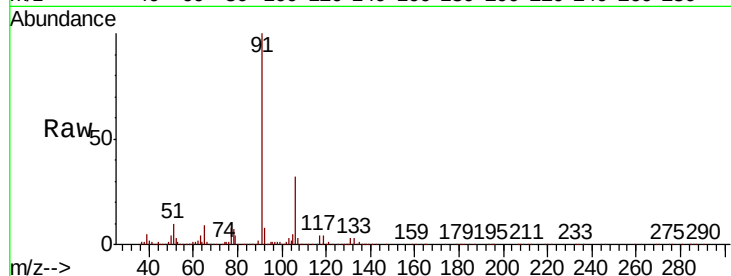




#67
Ethyl Benzene
Concen: 20.864 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

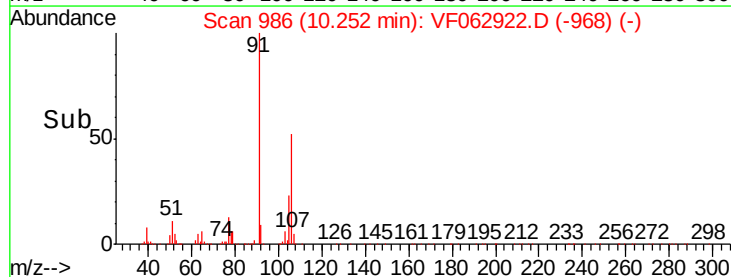
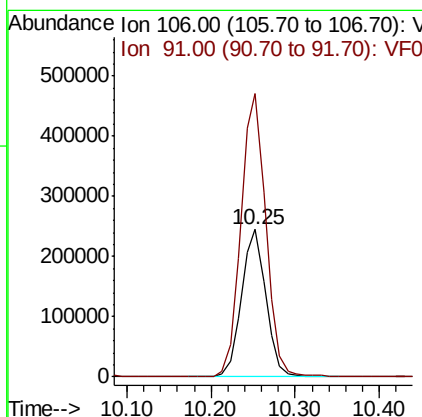
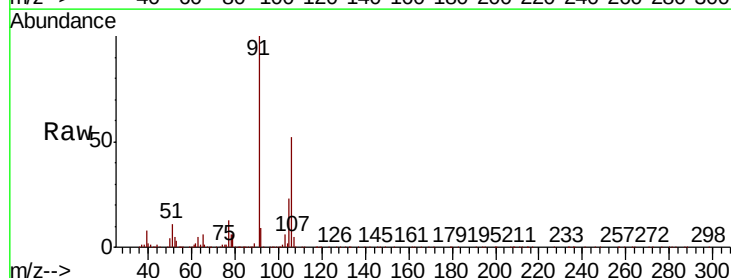
Instrument :
MSVOA_F
ClientSampleId :

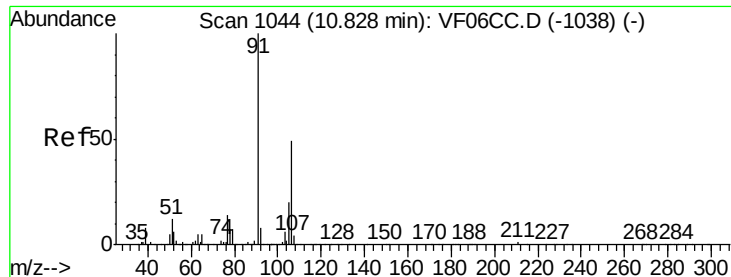
Tot Ion: 91 Resp: 675042
Ion Ratio Lower Upper
91 100
106 31.6 26.0 39.0



#68
m/p-Xylenes
Concen: 39.944 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 106 Resp: 494530
Ion Ratio Lower Upper
106 100
91 191.9 136.2 204.4

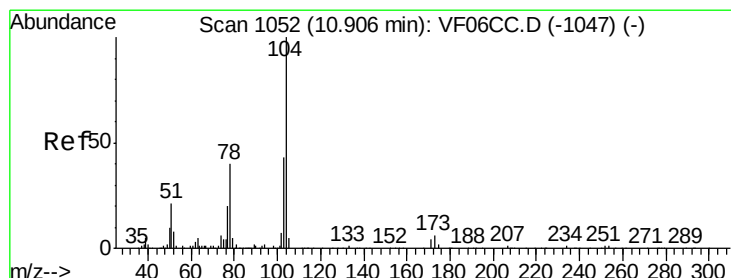
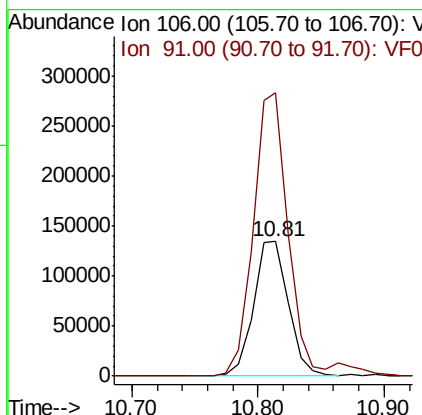
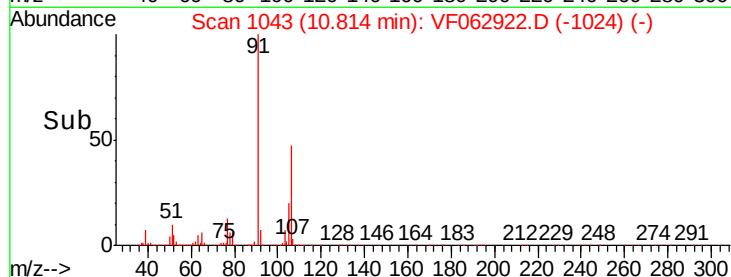
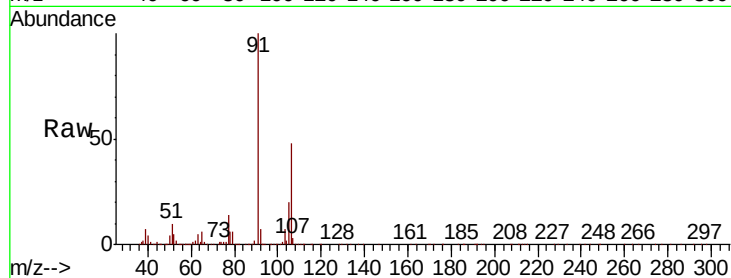




#69
o-Xylene
Concen: 20.540 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

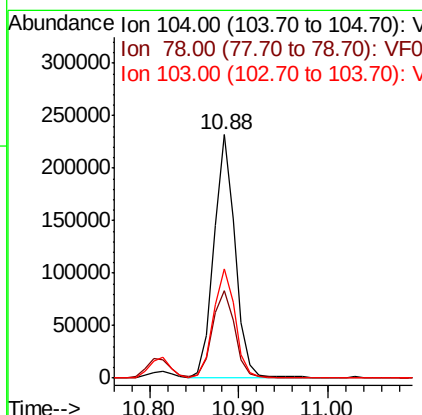
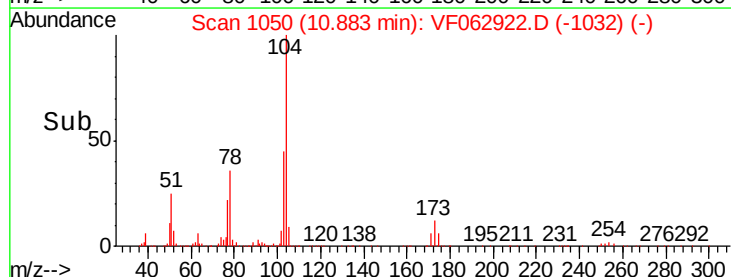
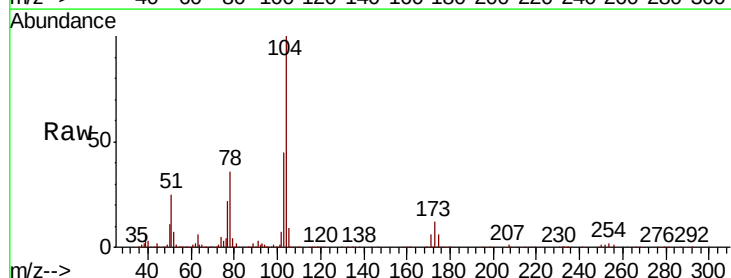
Instrument :
MSVOA_F
ClientSampleId :

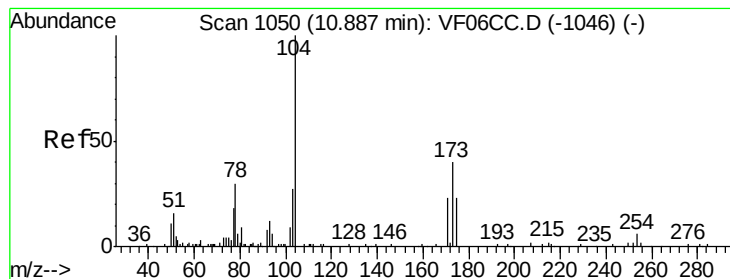
Tot Ion:106 Resp: 257469
Ion Ratio Lower Upper
106 100
91 210.5 96.6 289.8



#70
Styrene
Concen: 20.817 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion:104 Resp: 384616
Ion Ratio Lower Upper
104 100
78 35.7 30.8 46.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 24.533 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

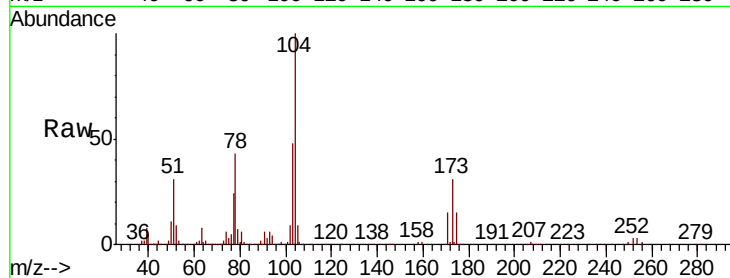
Tot Ion:173 Resp: 88368

Ion Ratio Lower Upper

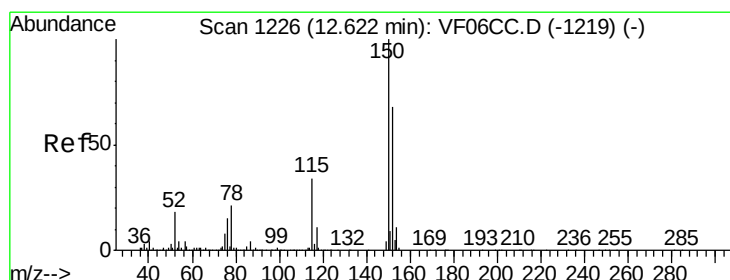
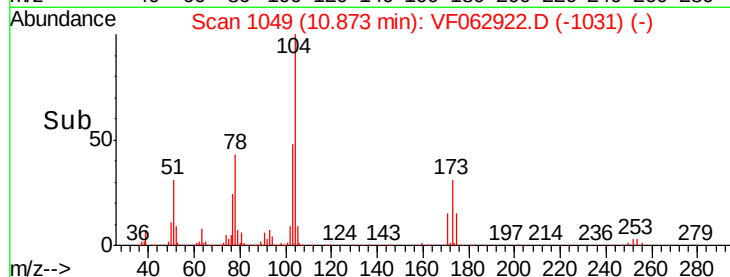
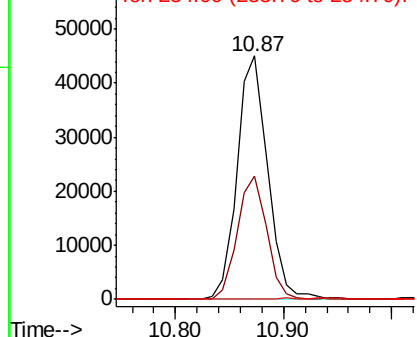
173 100

175 49.5 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. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

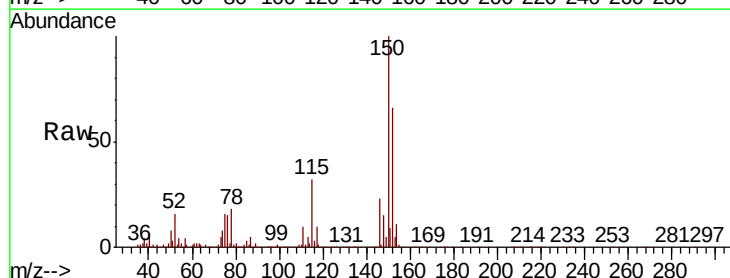
Tgt Ion:152 Resp: 474601

Ion Ratio Lower Upper

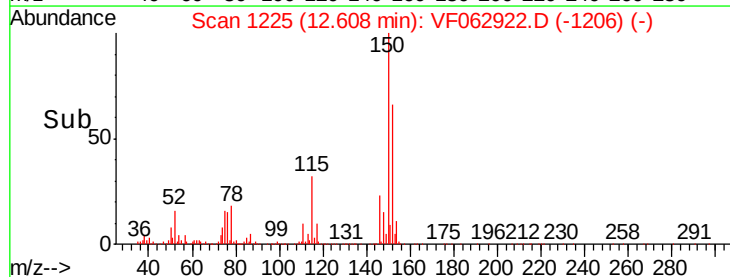
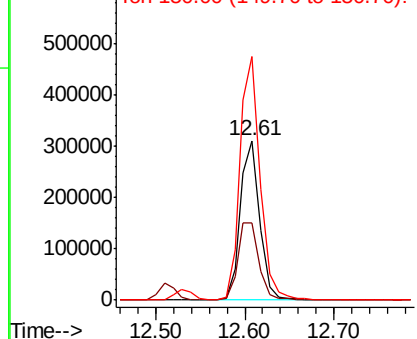
152 100

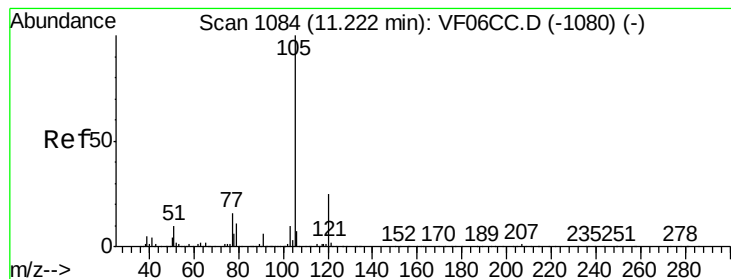
115 48.4 24.6 74.0

150 152.5 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: 21.688 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

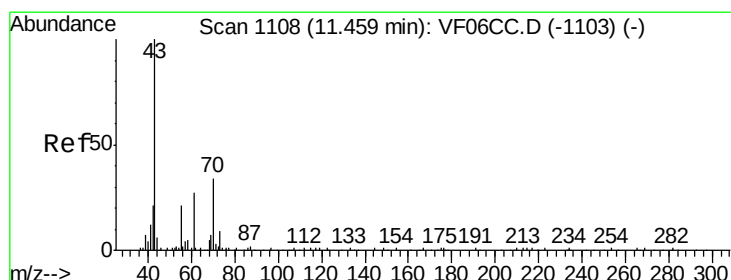
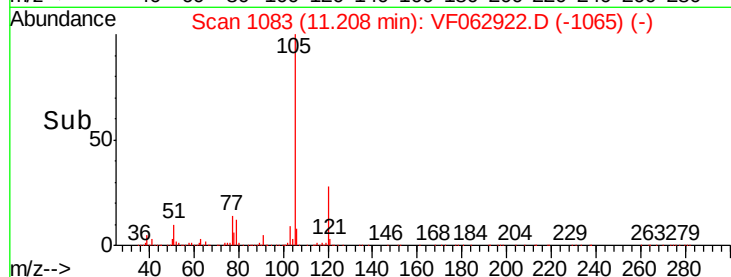
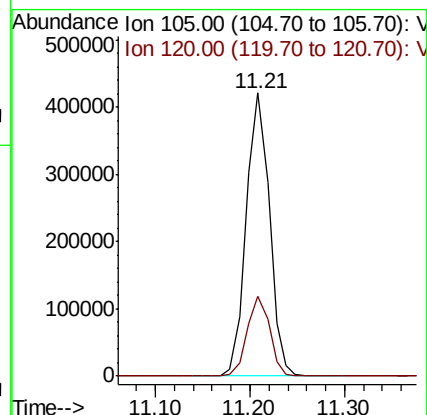
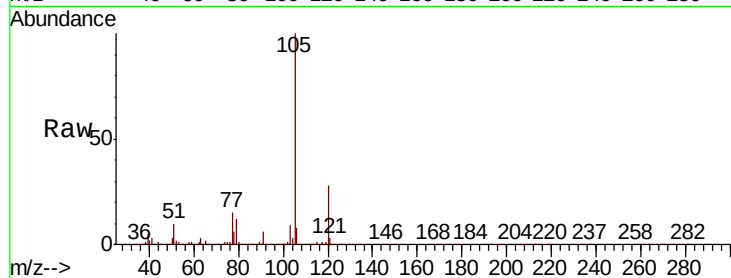
ClientSampleId :

Tot Ion: 105 Resp: 718216

Ion Ratio Lower Upper

105 100

120 28.0 15.1 45.3



#74

N-ethyl acetate

Concen: 23.514 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion: 43 Resp: 219465

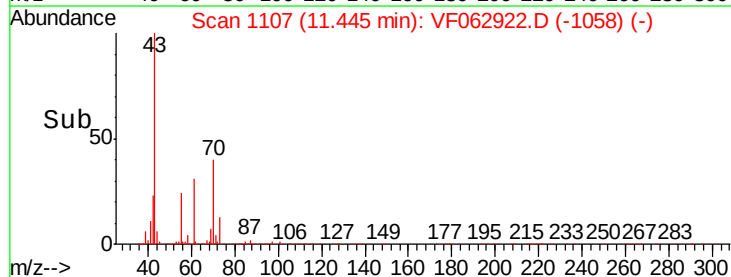
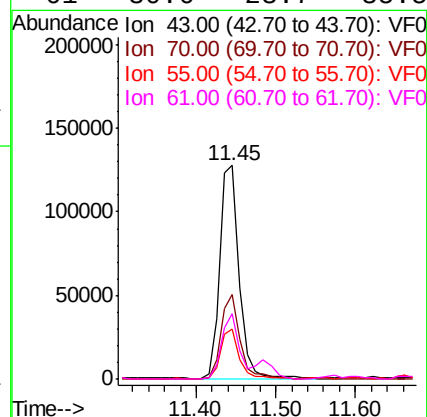
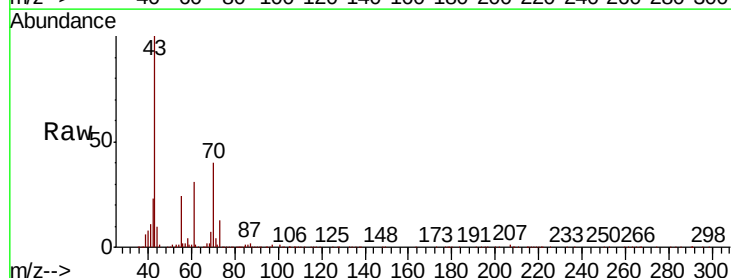
Ion Ratio Lower Upper

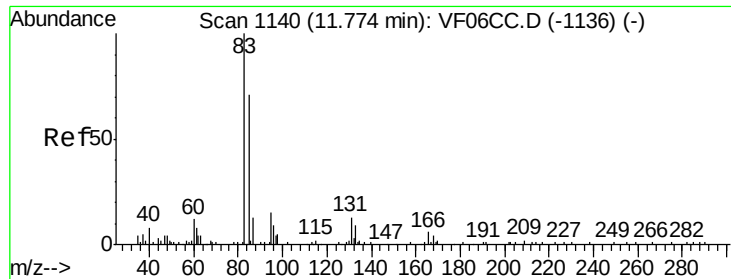
43 100

70 39.8 32.9 49.3

55 23.7 17.3 25.9

61 30.6 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.650 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampled :

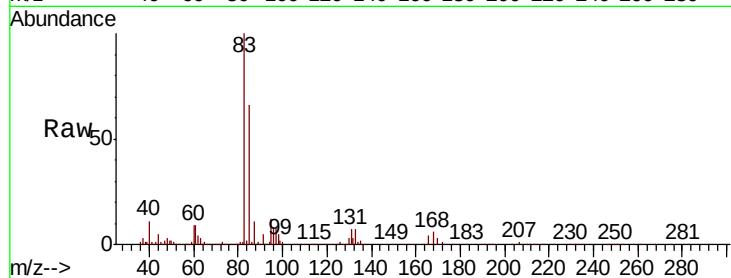
Tot Ion: 83 Resp: 174324

Ion Ratio Lower Upper

83 100

131 7.1 4.9 14.7

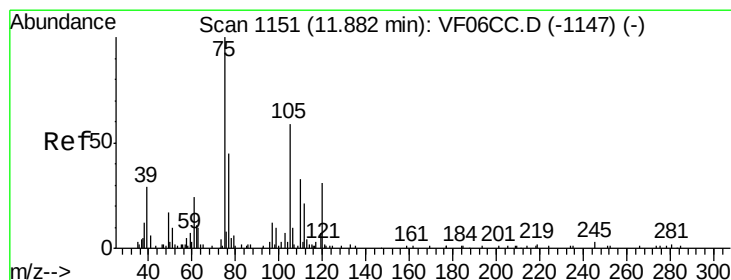
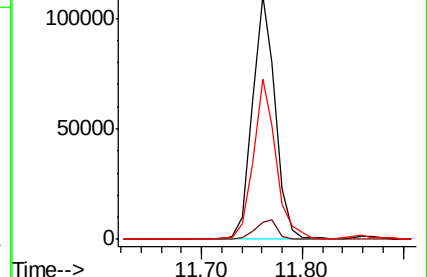
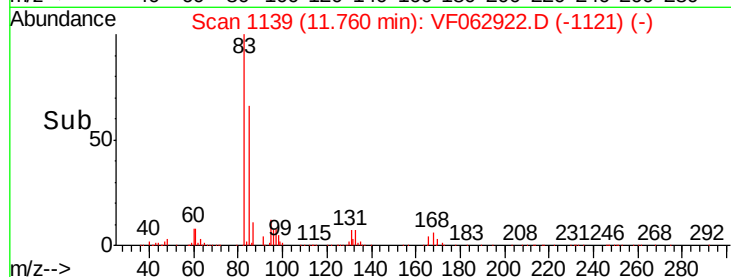
85 65.9 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 23.536 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VF062922.D

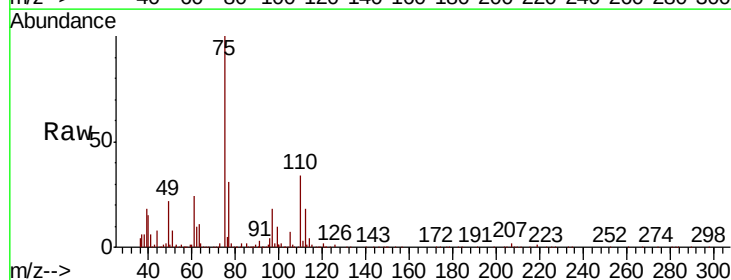
Acq: 12 Jun 2019 12:45

Tgt Ion: 75 Resp: 110327

Ion Ratio Lower Upper

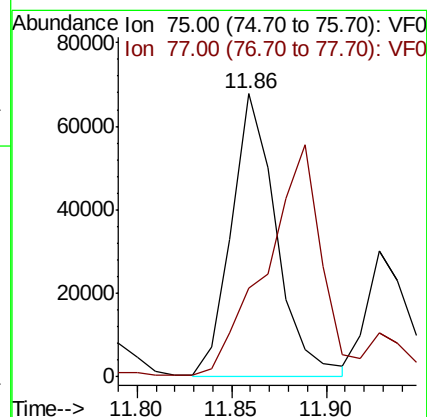
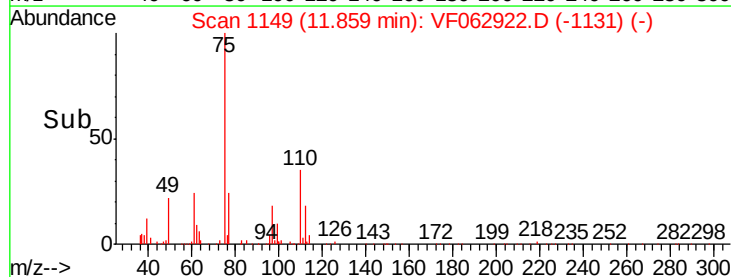
75 100

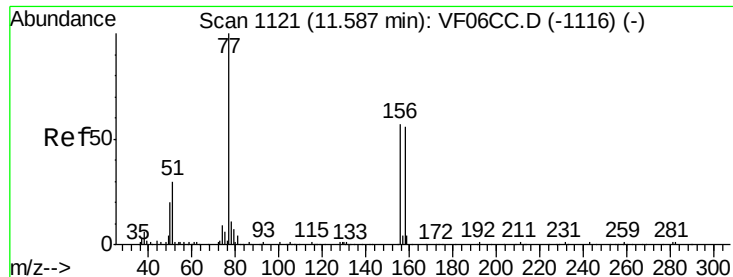
77 31.3 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.934 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampled :

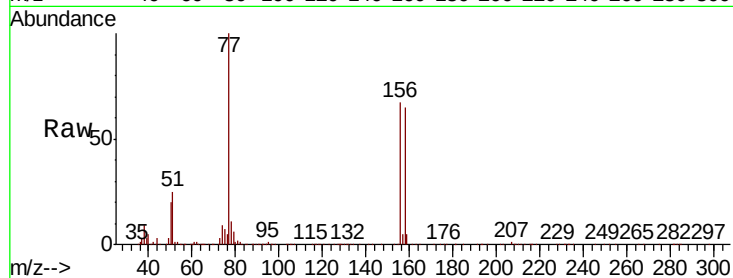
Tot Ion:156 Resp: 165862

Ion Ratio Lower Upper

156 100

77 149.8 64.2 192.6

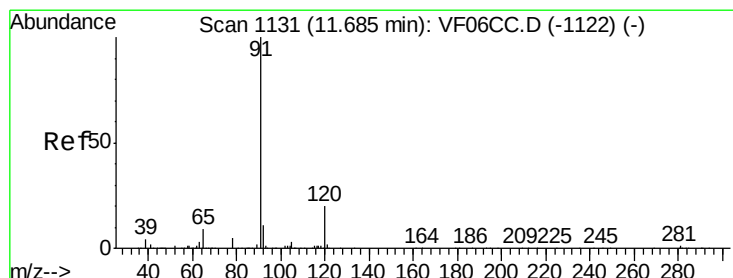
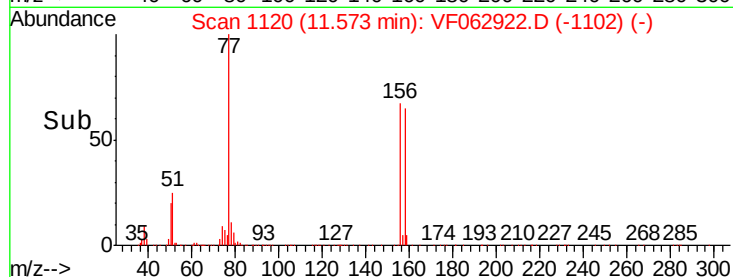
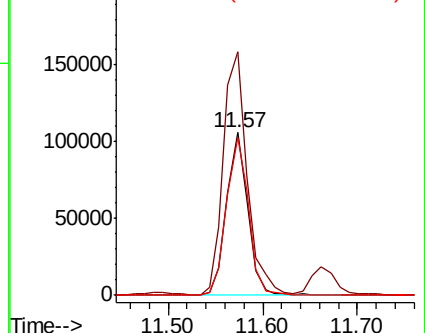
158 97.5 50.3 151.0



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: 22.136 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.03 min

Lab File: VF062922.D

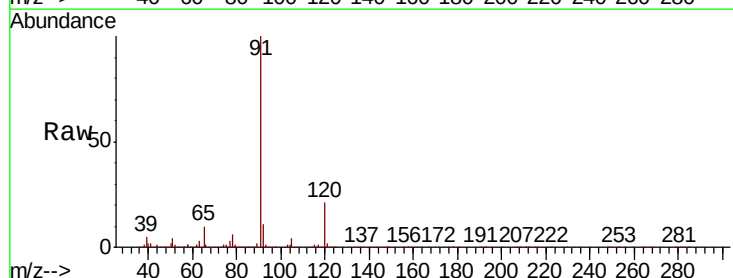
Acq: 12 Jun 2019 12:45

Tgt Ion: 91 Resp: 885102

Ion Ratio Lower Upper

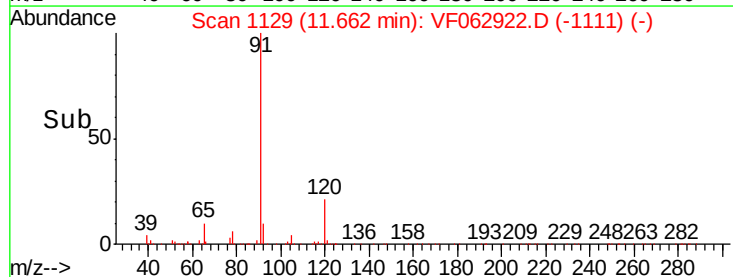
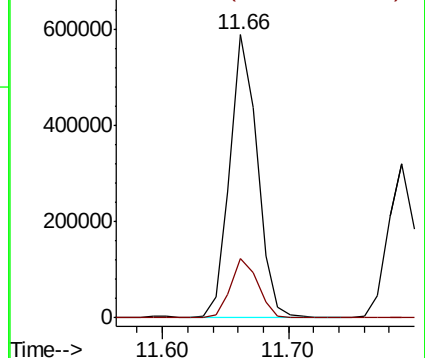
91 100

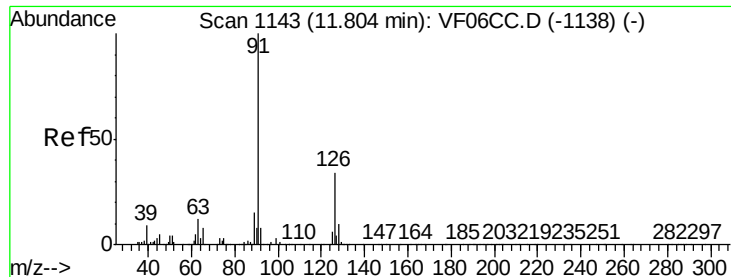
120 21.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.101 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

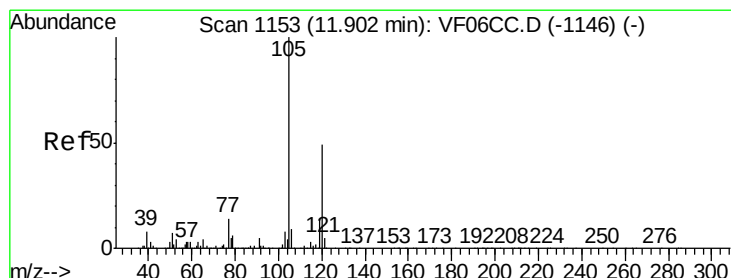
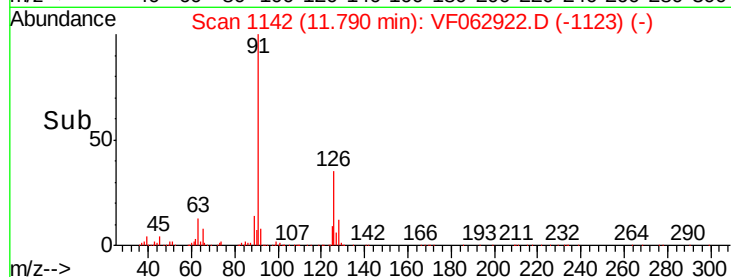
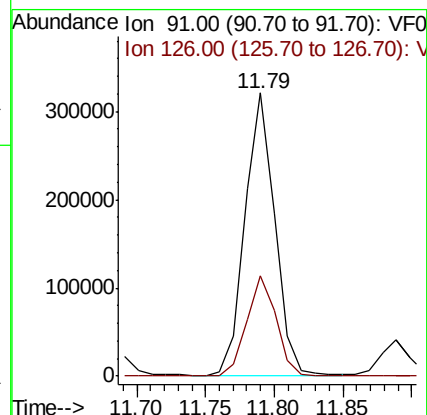
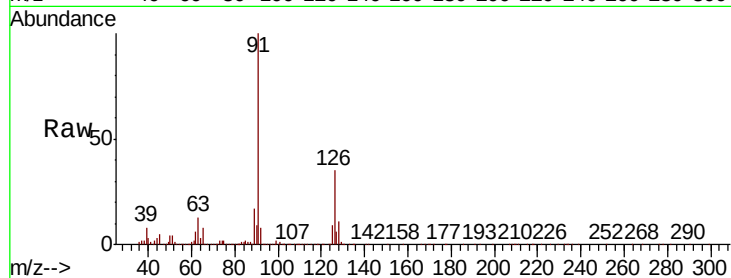
ClientSampleId :

Tot Ion: 91 Resp: 482767

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.568 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VF062922.D

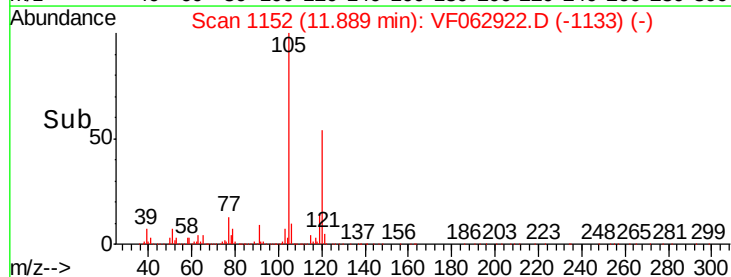
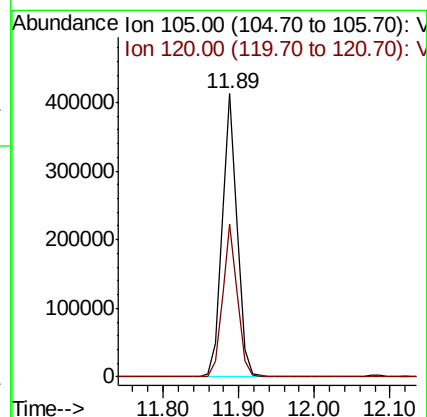
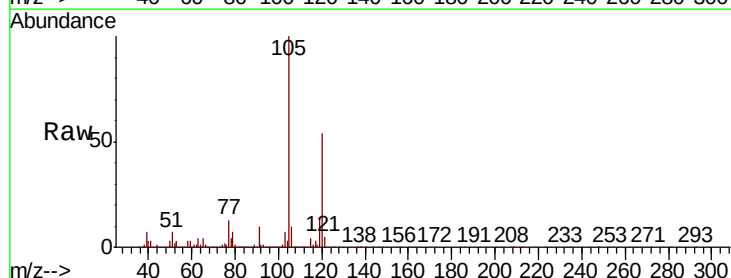
Acq: 12 Jun 2019 12:45

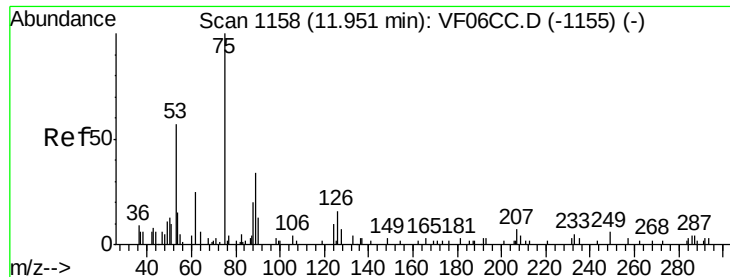
Tgt Ion: 105 Resp: 584087

Ion Ratio Lower Upper

105 100

120 54.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 29.751 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

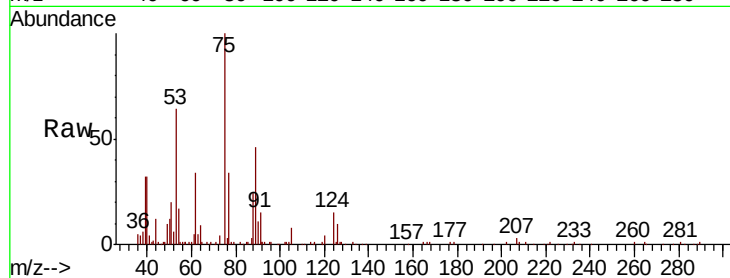
Tot Ion: 75 Resp: 59045

Ion Ratio Lower Upper

75 100

53 63.7 43.5 65.3

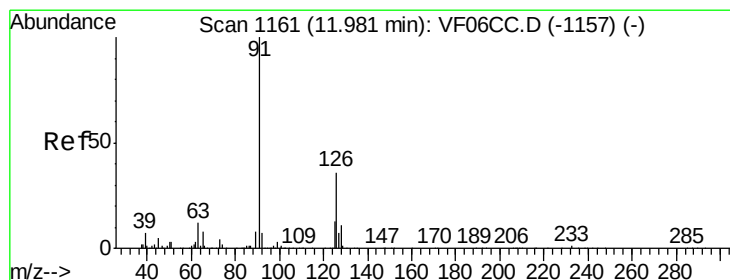
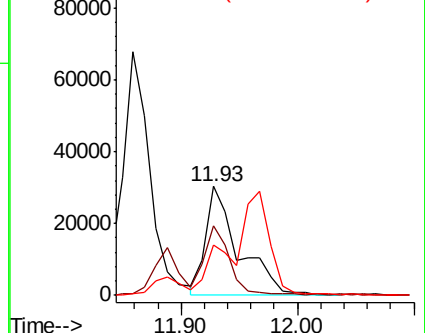
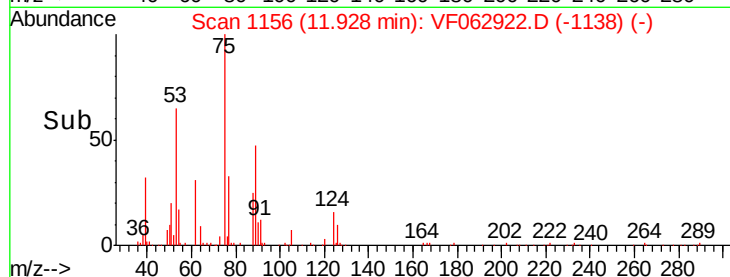
89 46.3 34.3 51.5



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: 21.070 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062922.D

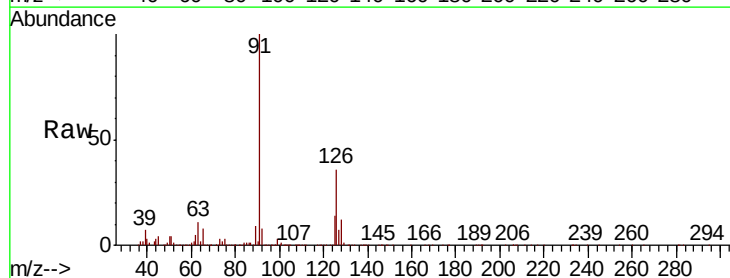
Acq: 12 Jun 2019 12:45

Tgt Ion: 91 Resp: 473747

Ion Ratio Lower Upper

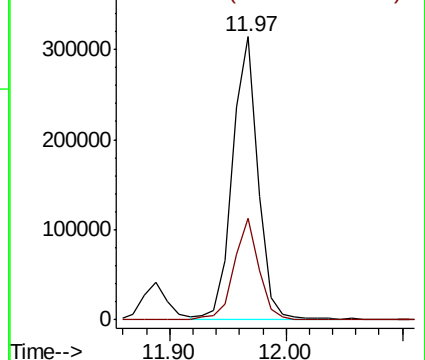
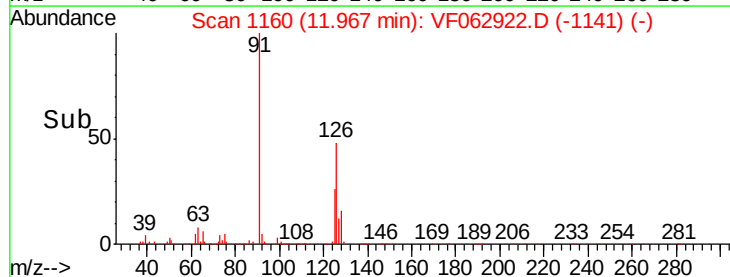
91 100

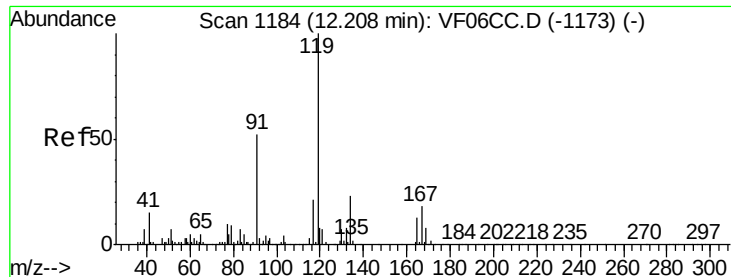
126 35.8 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

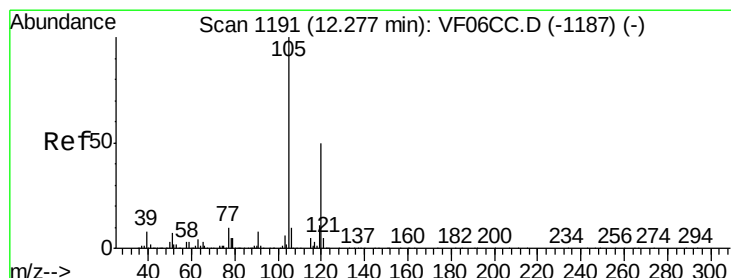
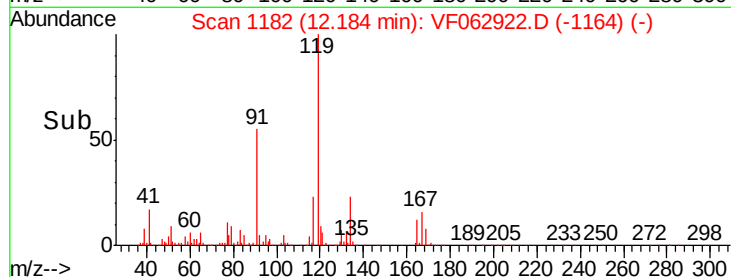
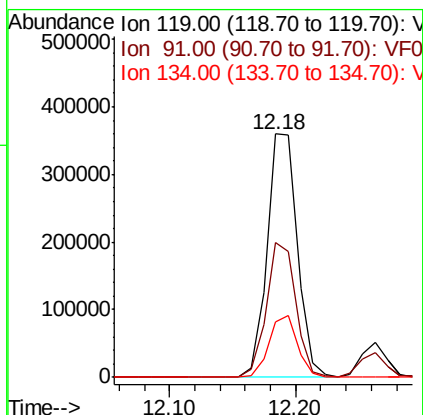
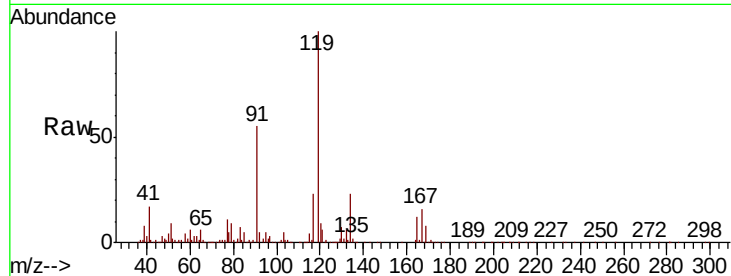




#83
 tert-Butylbenzene
 Concen: 22.380 ug/l
 RT: 12.18 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

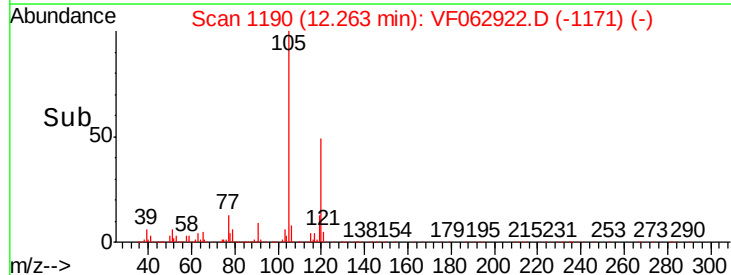
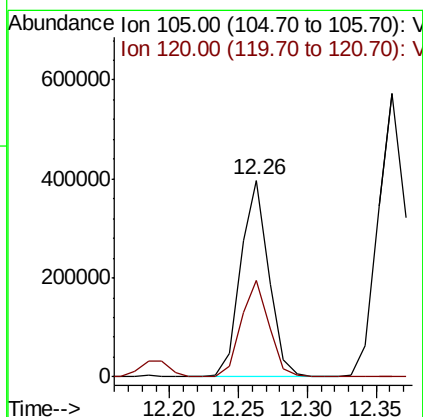
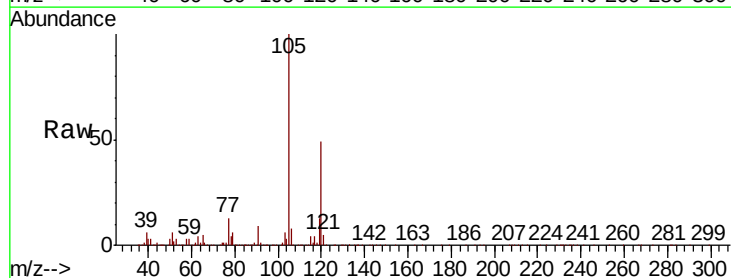
Instrument :
 MSVOA_F
 ClientSampleId :

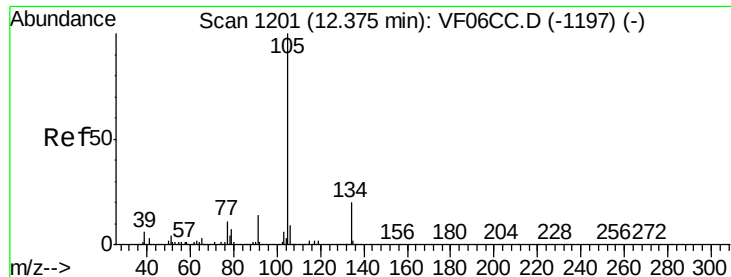
Tot Ion	Ratio	Lower	Upper
119	100		
91	55.4	28.9	86.7
134	22.6	14.3	42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.925 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	27.1	81.3





#85

sec-Butylbenzene

Concen: 23.195 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

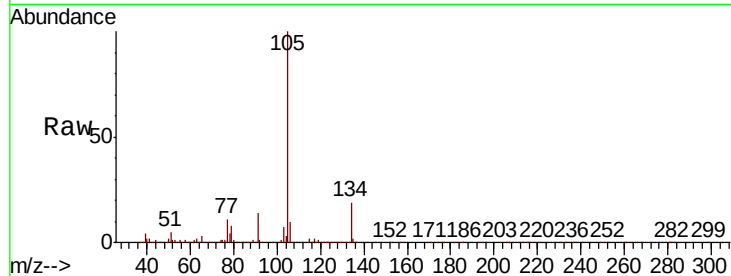
ClientSampleId :

Tot Ion:105 Resp: 820153

Ion Ratio Lower Upper

105 100

134 19.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.36

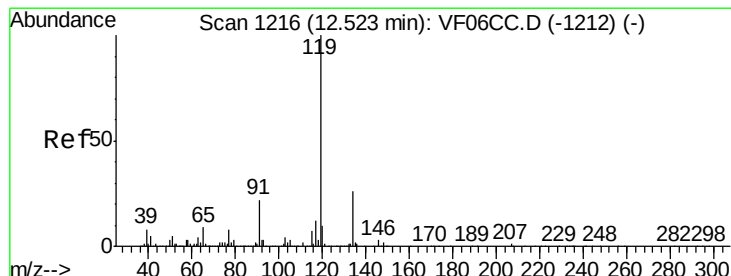
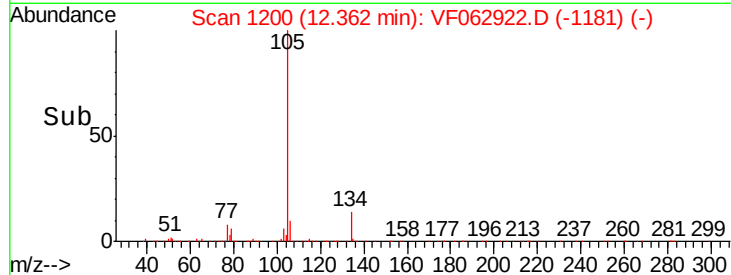
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.472 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

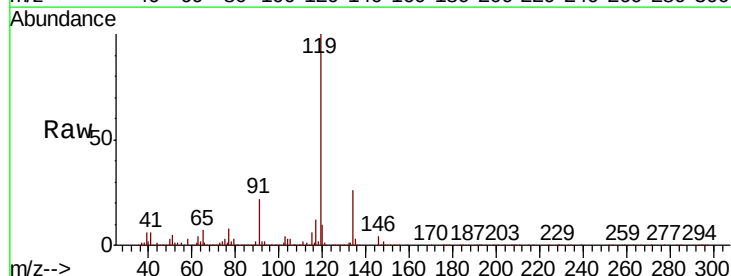
Tgt Ion:119 Resp: 690826

Ion Ratio Lower Upper

119 100

134 26.4 15.5 46.5

91 21.7 10.3 30.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.51

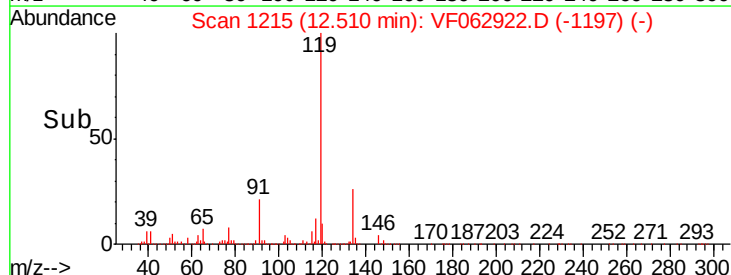
600000

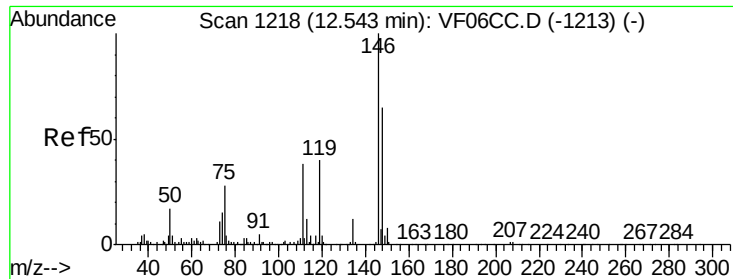
400000

200000

0

Time-->

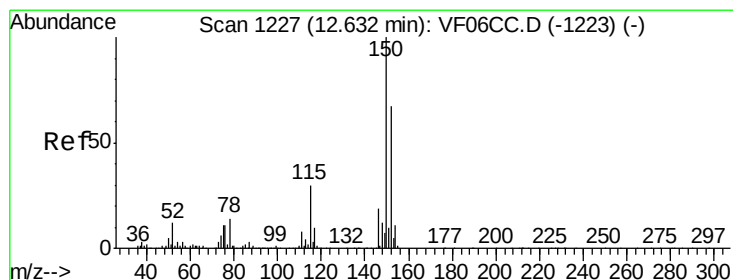
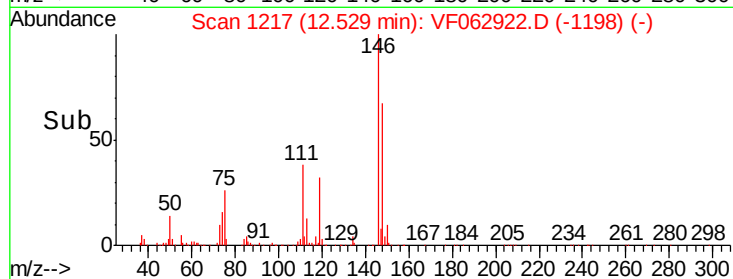
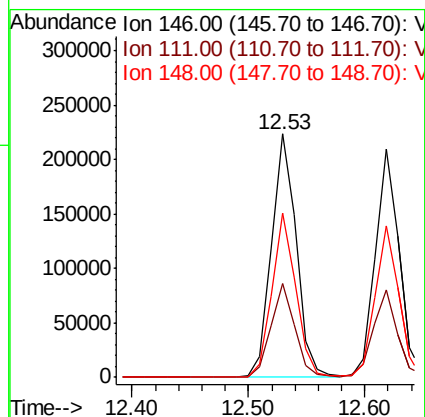
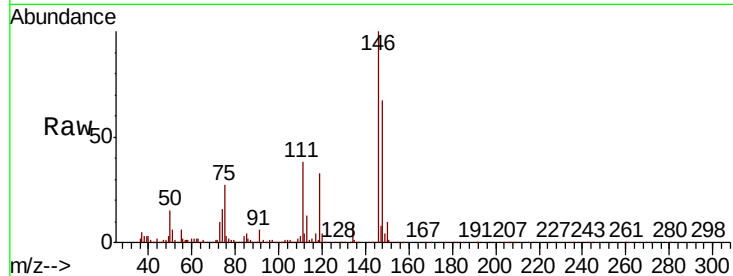




#87
 1,3-Dichlorobenzene
 Concen: 22.424 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

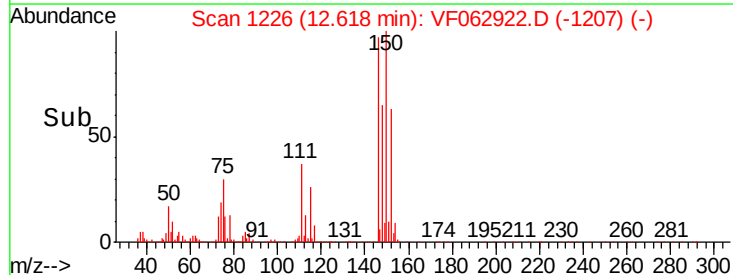
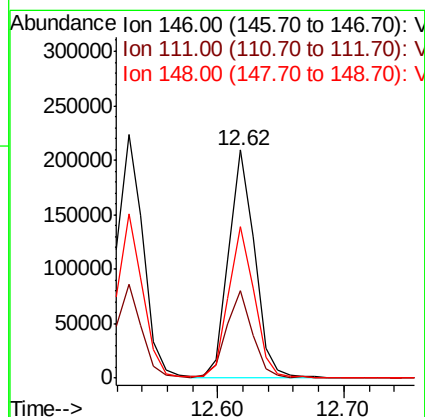
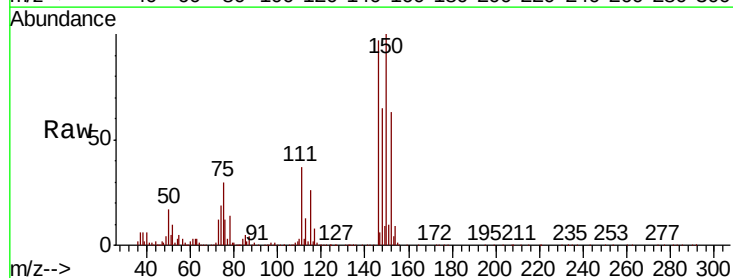
Instrument :
 MSVOA_F
 ClientSampleId :

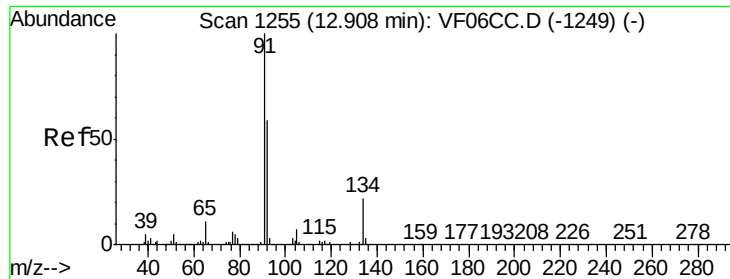
Tot Ion:146 Resp: 329061
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.6 58.8
 148 67.2 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 21.848 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion:146 Resp: 299199
 Ion Ratio Lower Upper
 146 100
 111 38.5 20.3 60.9
 148 66.6 34.0 101.8

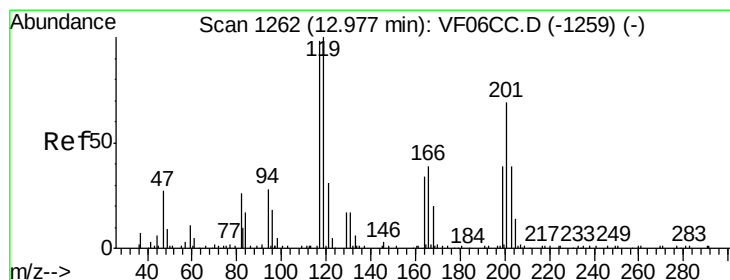
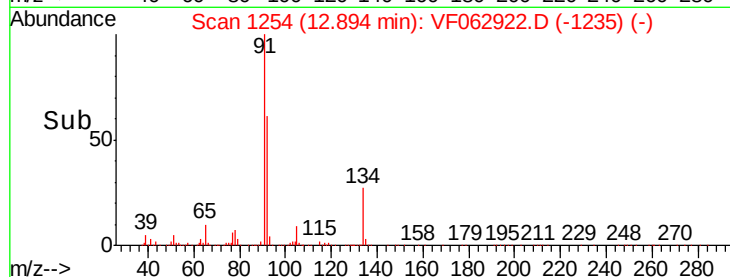
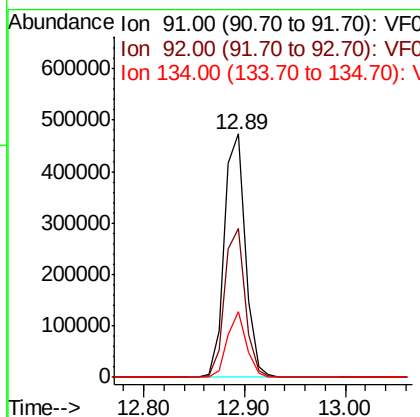
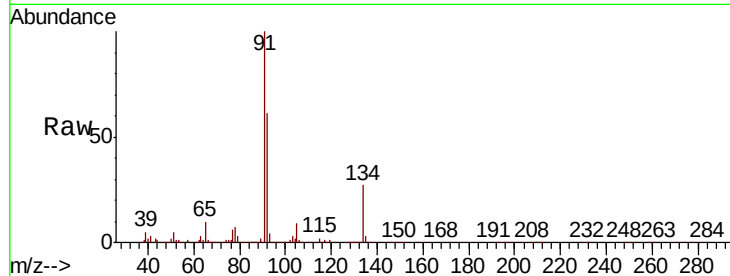




#89
n-Butylbenzene
Concen: 23.234 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

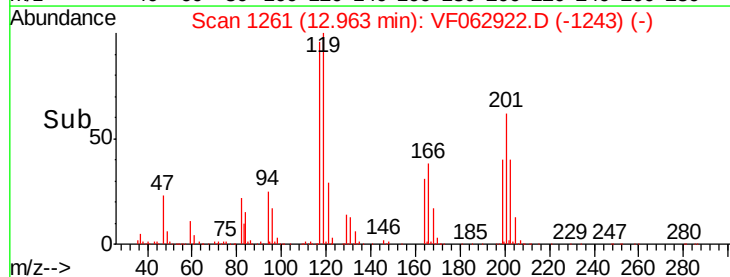
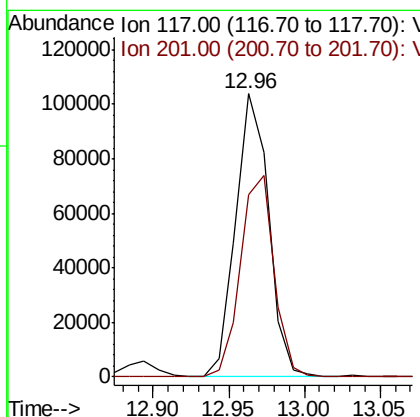
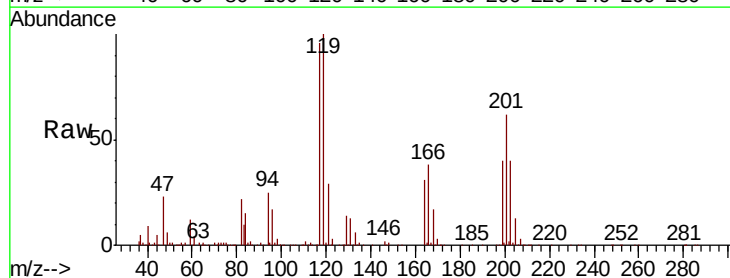
Instrument :
MSVOA_F
ClientSampleId :

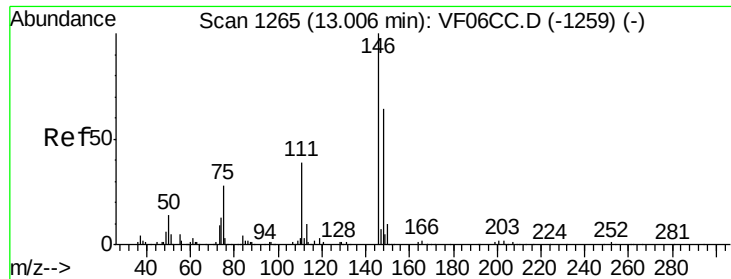
Tot Ion: 91 Resp: 687860
Ion Ratio Lower Upper
91 100
92 61.1 34.2 102.6
134 27.0 15.8 47.3



#90
Hexachloroethane
Concen: 21.855 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 117 Resp: 156885
Ion Ratio Lower Upper
117 100
201 66.1 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 21.994 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062922.D

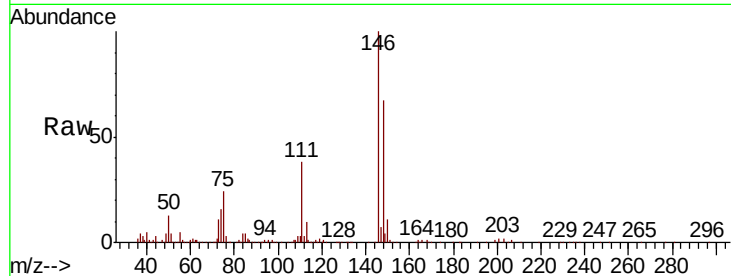
Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampled :

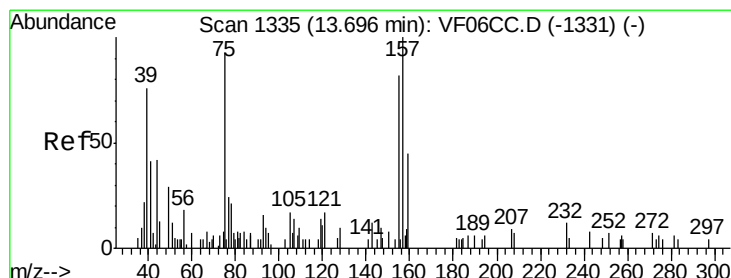
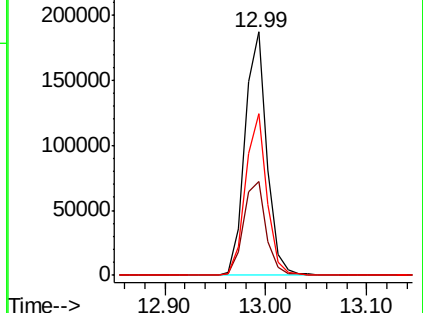
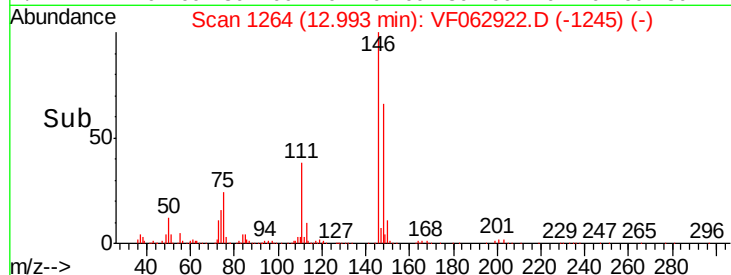
Tot Ion:146	Resp:	283675
Ion Ratio	Lower	Upper
146	100	
111	38.5	20.4 61.3
148	66.7	34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 29.652 ug/l

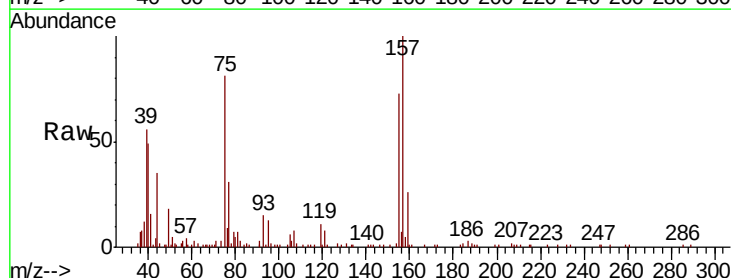
RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

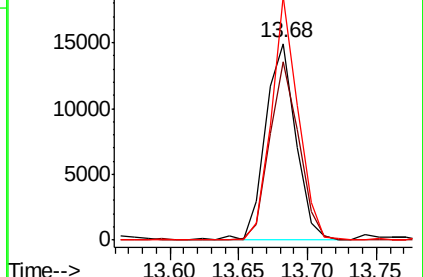
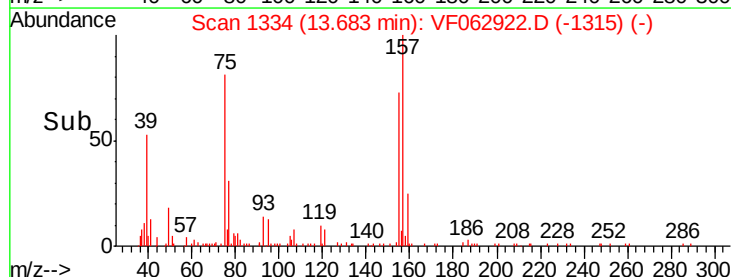
Tgt Ion: 75	Resp:	22846
Ion Ratio	Lower	Upper
75	100	
155	90.4	51.7 155.1
157	123.8	66.8 200.6

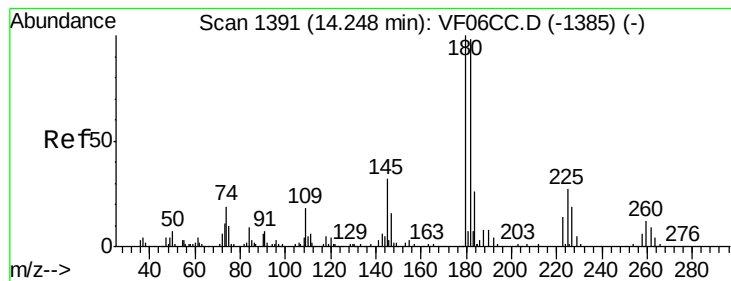


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 22.654 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

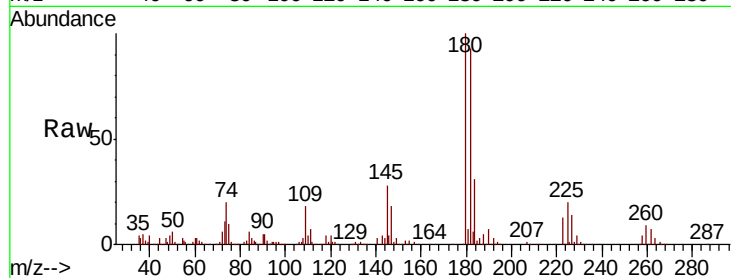
Tot Ion:180 Resp: 200623

Ion Ratio Lower Upper

180 100

182 92.9 50.3 150.9

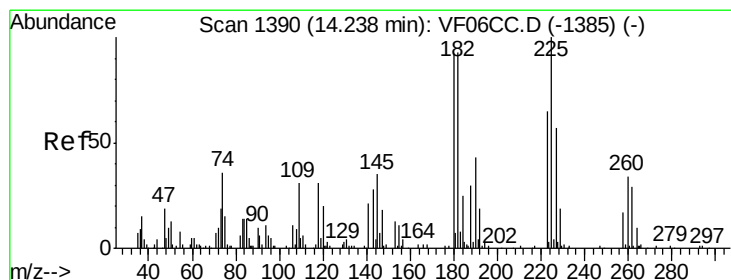
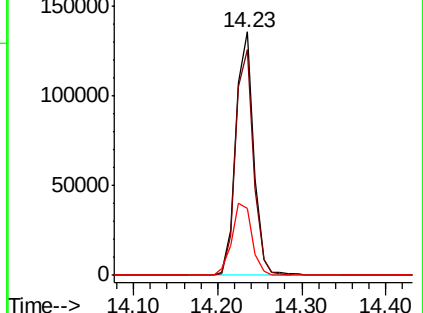
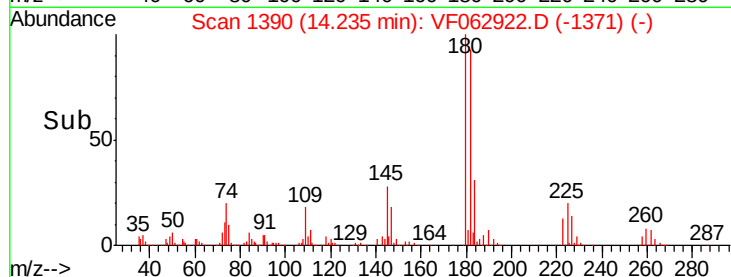
145 27.5 15.4 46.2



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: 21.571 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

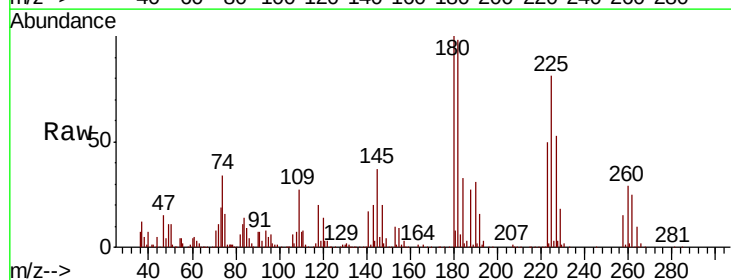
Tgt Ion:225 Resp: 132157

Ion Ratio Lower Upper

225 100

223 61.8 30.8 92.4

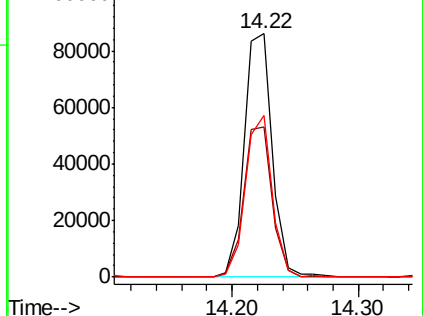
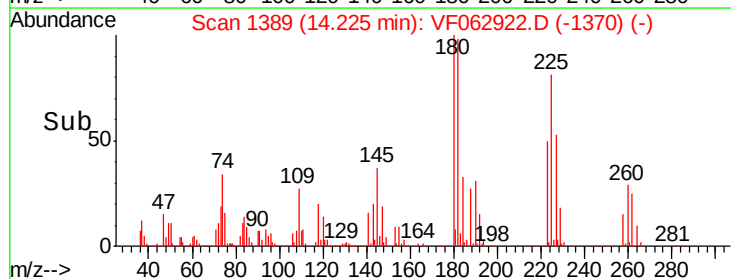
227 66.4 31.9 95.5

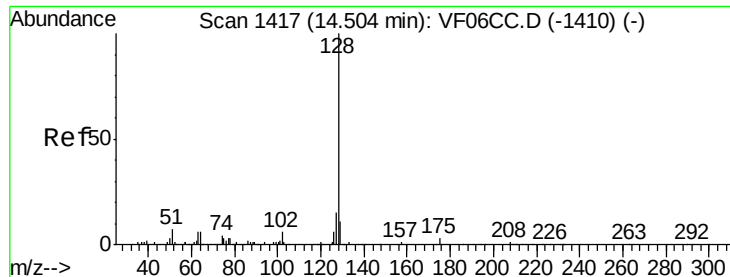


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

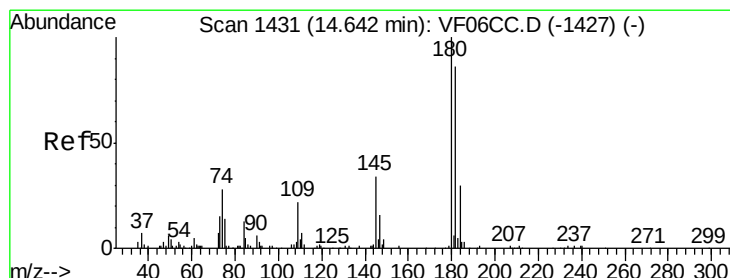
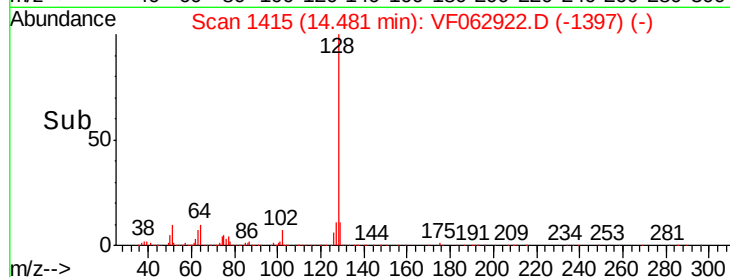
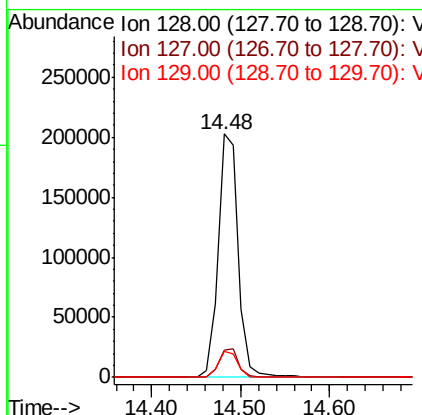
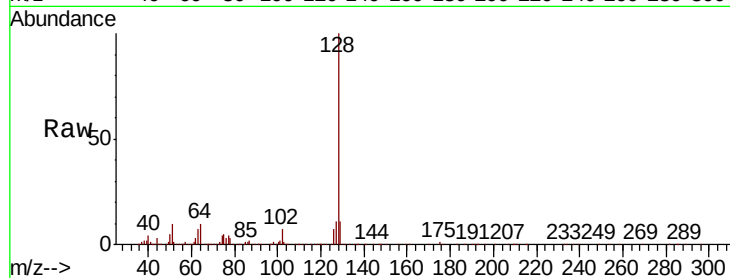




#95
Naphthalene
Concen: 22.087 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 320455
Ion Ratio Lower Upper
128 100
127 11.3 9.7 14.5
129 10.9 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 20.917 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion:180 Resp: 169087
Ion Ratio Lower Upper
180 100
182 100.8 48.6 145.9
145 29.3 15.7 47.0

