

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062897.D
 Acq On : 7 Jun 2019 13:56
 Operator : FY/SY
 Sample : VF0607SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 08 00:38:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	792184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1306118	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	998532	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	457733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	262294	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	4.32	113	486058	49.25	ug/l	-0.02
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	7.72	98	1137962	45.59	ug/l	-0.02
Spiked Amount			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.50	95	384151	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	224922	22.746	ug/l	86
3) Chloromethane	1.15	50	178383	21.763	ug/l	95
4) Vinyl Chloride	1.19	62	172346	21.159	ug/l	92
5) Bromomethane	1.41	94	100584	21.653	ug/l	86
6) Chloroethane	1.46	64	58686	19.270	ug/l #	86
7) Trichlorofluoromethane	1.57	101	257184	22.303	ug/l	96
8) Diethyl Ether	1.72	74	51035	22.495	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168519	23.245	ug/l	96
10) Methyl Iodide	2.00	142	313099	21.539	ug/l	95
11) Tert butyl alcohol	2.71	59	35621	107.340	ug/l	99
12) 1,1-Dichloroethene	1.88	96	147492	22.405	ug/l	98
13) Acrolein	2.11	56	9708	67.247	ug/l	94
14) Allyl chloride	2.21	41	121121	23.716	ug/l	94
15) Acrylonitrile	3.11	53	129773	104.071	ug/l	92
16) Acetone	2.36	43	130368	103.979	ug/l	96
17) Carbon Disulfide	1.92	76	422072	21.936	ug/l	99
18) Methyl Acetate	2.47	43	56747	25.900	ug/l #	86
19) Methyl tert-butyl Ether	2.55	73	260760	21.863	ug/l	98
20) Methylene Chloride	2.36	84	112129	15.818	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	149710	22.681	ug/l	89
22) Diisopropyl ether	2.95	45	317432	21.877	ug/l	93
23) Vinyl Acetate	3.35	43	1151156	115.886	ug/l	97
24) 1,1-Dichloroethane	3.03	63	251966	23.258	ug/l	95
25) 2-Butanone	4.53	43	294662	100.919	ug/l	98
26) 2,2-Dichloropropane	3.79	77	155672	25.307	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	255452	23.024	ug/l	96
28) Bromochloromethane	3.91	49	106569	18.084	ug/l #	54
29) Tetrahydrofuran	4.28	42	135533	121.365	ug/l	96
30) Chloroform	4.07	83	345809	22.648	ug/l	98
31) Cyclohexane	3.89	56	121896	8.311	ug/l	89
32) 1,1,1-Trichloroethane	4.31	97	229892	25.860	ug/l	93
36) 1,1-Dichloropropene	4.49	75	259695	21.598	ug/l	99
37) Ethyl Acetate	4.22	43	4768	1.037	ug/l	92
38) Carbon Tetrachloride	4.20	117	192453	23.683	ug/l	92

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	340862	22.777	ug/l	97
40) Benzene	4.84	78	833425	23.816	ug/l	100
41) Methacrylonitrile	4.94	41	63536	24.865	ug/l #	82
42) 1,2-Dichloroethane	5.15	62	144504	21.712	ug/l	88
43) Isopropyl Acetate	7.13	43	125451	20.661	ug/l #	96
44) Trichloroethene	5.70	130	226988	22.983	ug/l	96
45) 1,2-Dichloropropane	6.42	63	205617	23.414	ug/l	96
46) Dibromomethane	6.27	93	114465	22.325	ug/l	91
47) Bromodichloromethane	6.57	83	227470	21.785	ug/l	94
48) Methyl methacrylate	6.89	41	61711	19.721	ug/l	97
49) 1,4-Dioxane	6.88	88	16169	392.009	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	515534	118.926	ug/l	94
52) Toluene	7.79	92	398263	21.130	ug/l	89
53) t-1,3-Dichloropropene	8.43	75	192735	22.275	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	269691	21.533	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	123532	21.938	ug/l	95
56) Ethyl methacrylate	8.76	69	132484	21.928	ug/l	93
57) 1,3-Dichloropropane	9.00	76	209715	22.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	236116	111.822	ug/l	96
59) 2-Hexanone	9.63	43	358960	116.176	ug/l	99
60) Dibromochloromethane	8.87	129	158281	22.704	ug/l	90
61) 1,2-Dibromoethane	9.14	107	132937	22.732	ug/l	95
64) Tetrachloroethene	8.31	164	166968	21.760	ug/l	93
65) Chlorobenzene	9.94	112	421226	21.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	164299	21.394	ug/l	100
67) Ethyl Benzene	10.03	91	744352	22.494	ug/l	99
68) m/p-Xylenes	10.26	106	538945	42.562	ug/l	81
69) o-Xylene	10.82	106	261156	20.370	ug/l	92
70) Styrene	10.89	104	375226	19.857	ug/l	94
71) Bromoform	10.88	173	73655	19.993	ug/l #	99
73) Isopropylbenzene	11.22	105	731170	22.893	ug/l	95
74) N-amyl acetate	11.45	43	212792	23.639	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	152674	22.384	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	99593	22.029	ug/l	89
77) Bromobenzene	11.58	156	165075	20.570	ug/l	77
78) n-propylbenzene	11.67	91	873079	22.640	ug/l	90
79) 2-Chlorotoluene	11.80	91	491285	22.264	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	590491	22.607	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	53775	28.094	ug/l	98
82) 4-Chlorotoluene	11.98	91	480326	22.150	ug/l	97
83) tert-Butylbenzene	12.20	119	605052	23.378	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	584161	23.589	ug/l	98
85) sec-Butylbenzene	12.37	105	847453	24.850	ug/l	97
86) p-Isopropyltoluene	12.52	119	675233	23.788	ug/l	92
87) 1,3-Dichlorobenzene	12.54	146	315616	22.301	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	308547	23.361	ug/l	93
89) n-Butylbenzene	12.90	91	710511	24.883	ug/l	90
90) Hexachloroethane	12.97	117	169087	24.423	ug/l	70
91) 1,2-Dichlorobenzene	13.00	146	279993	22.508	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17872	24.051	ug/l	90

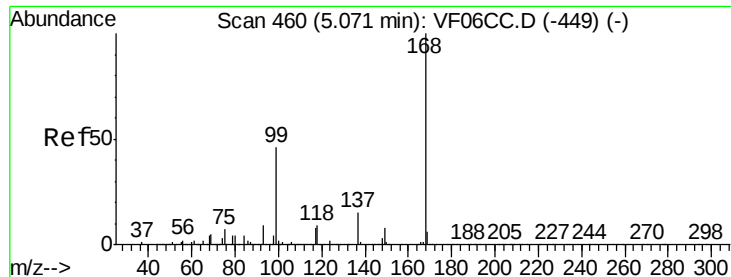
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	208447	24.405	ug/l	96
94) Hexachlorobutadiene	14.23	225	143056	24.211	ug/l	96
95) Naphthalene	14.50	128	326701	23.348	ug/l	96
96) 1,2,3-Trichlorobenzene	14.64	180	186074	23.866	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

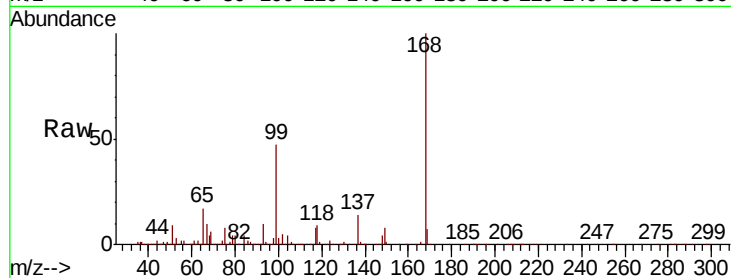
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 792184

Ion Ratio Lower Upper

168 100

99 47.4 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

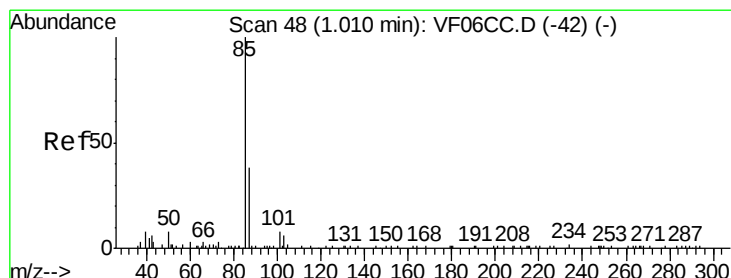
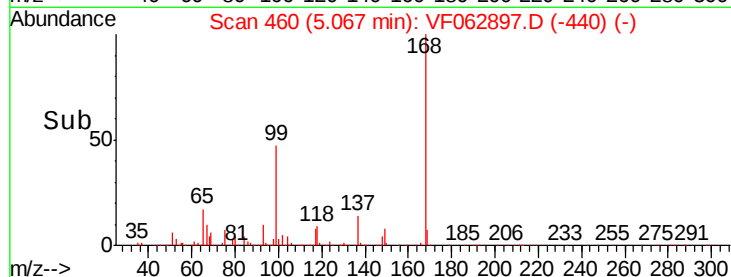
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.746 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062897.D

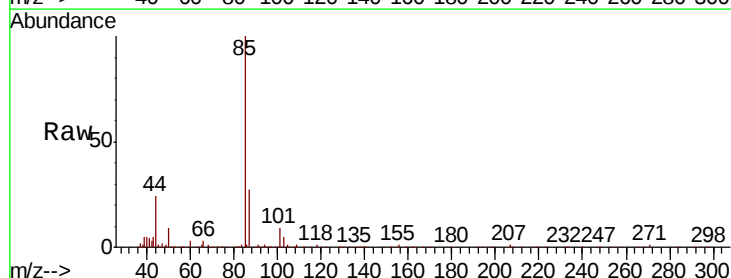
Acq: 7 Jun 2019 13:56

Tgt Ion: 85 Resp: 224922

Ion Ratio Lower Upper

85 100

87 27.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

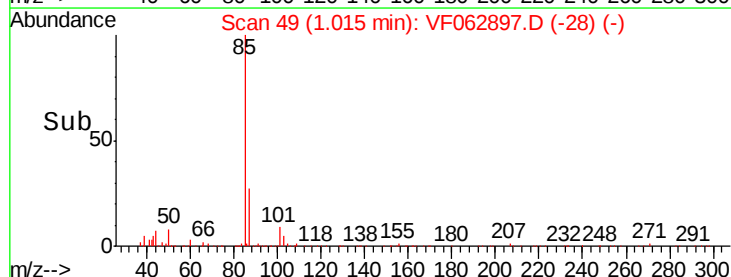
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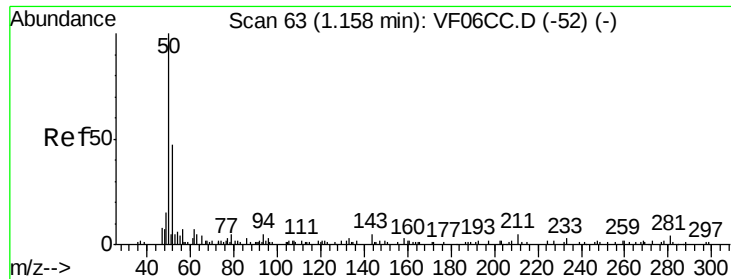
40000

20000

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Time-->





#3

Chloromethane

Concen: 21.763 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

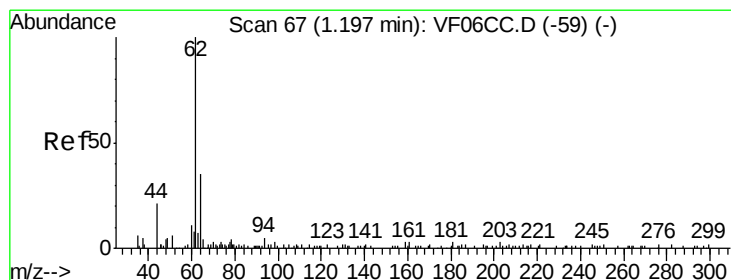
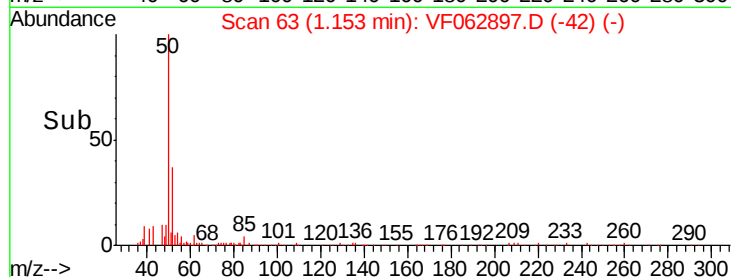
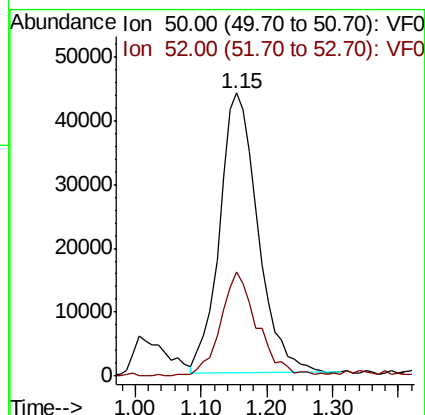
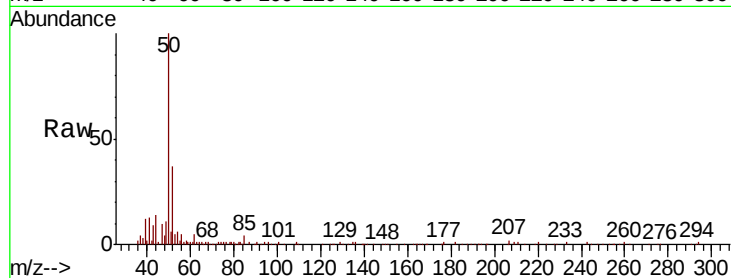
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 178383

Ion Ratio Lower Upper

50 100

52 36.7 27.0 40.4



#4

Vinyl Chloride

Concen: 21.159 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062897.D

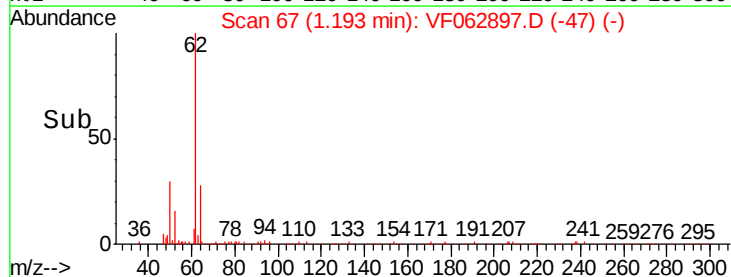
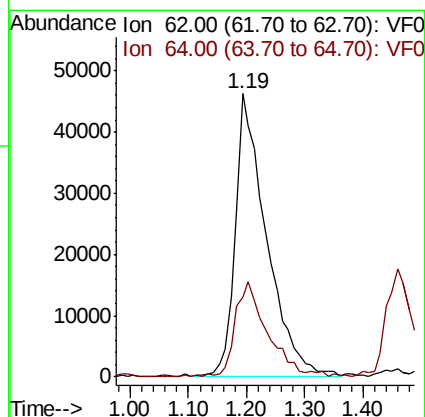
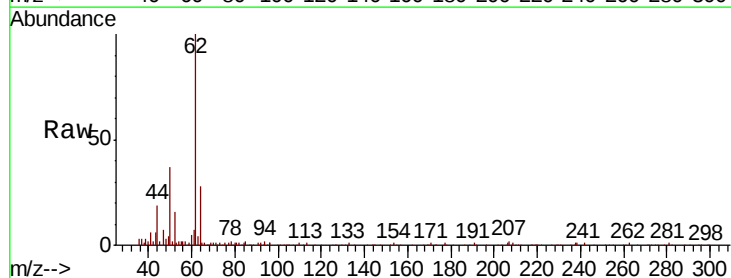
Acq: 7 Jun 2019 13:56

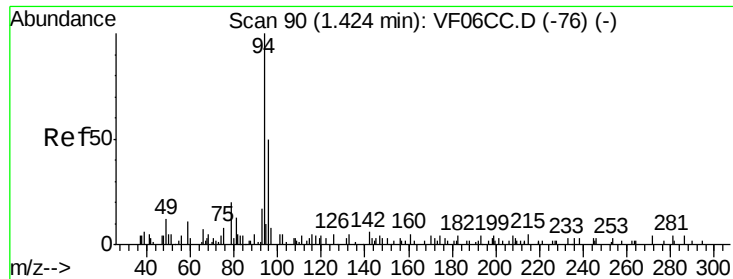
Tgt Ion: 62 Resp: 172346

Ion Ratio Lower Upper

62 100

64 28.4 26.2 39.2





#5

Bromomethane

Concen: 21.653 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

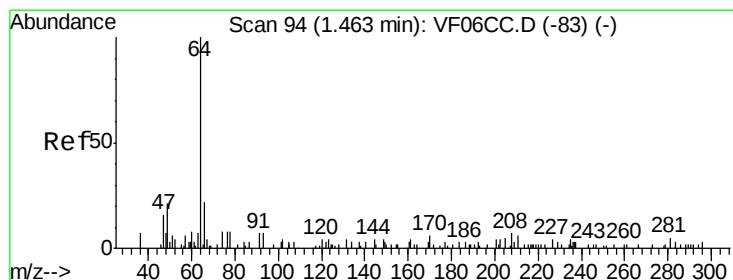
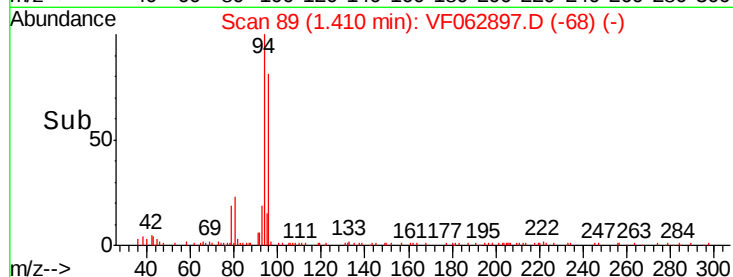
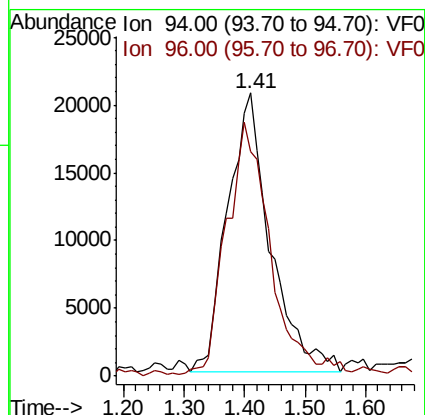
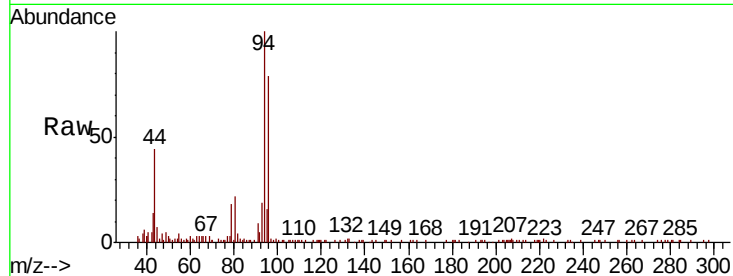
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 100584

Ion Ratio Lower Upper

94 100

96 79.2 73.8 110.6



#6

Chloroethane

Concen: 19.270 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062897.D

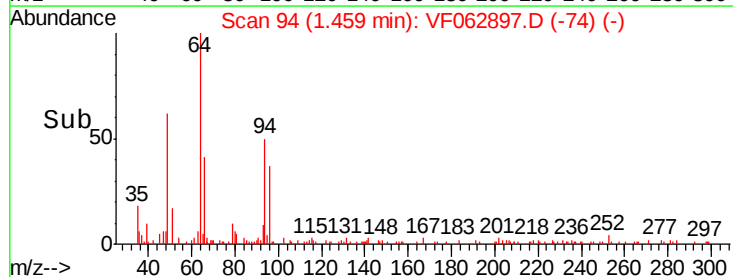
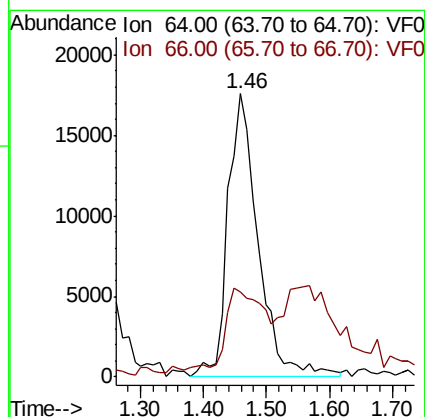
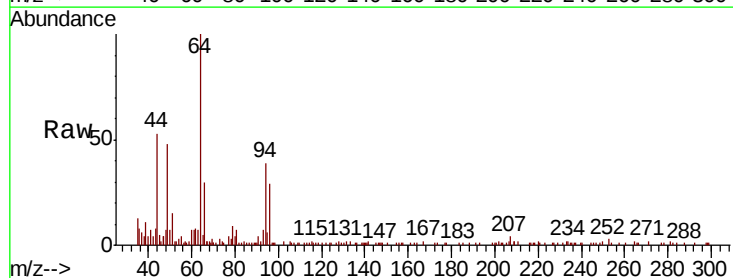
Acq: 7 Jun 2019 13:56

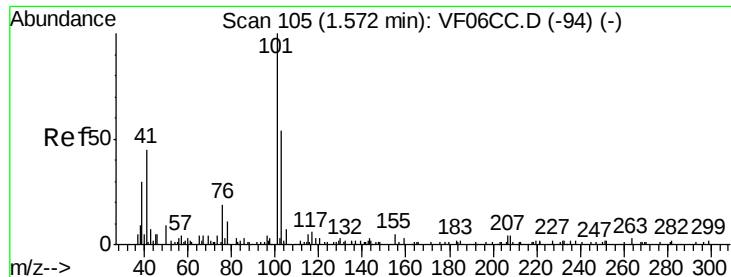
Tgt Ion: 64 Resp: 58686

Ion Ratio Lower Upper

64 100

66 30.2 31.0 46.4#



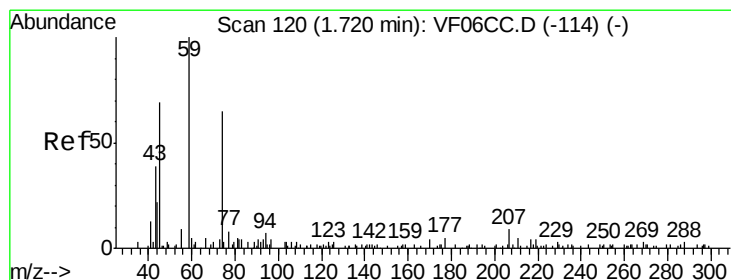
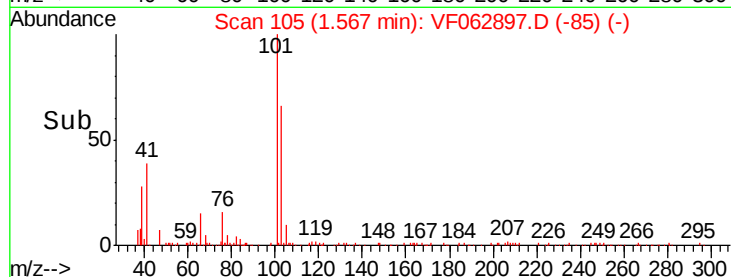
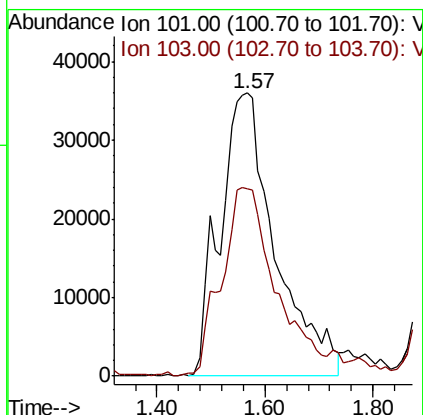
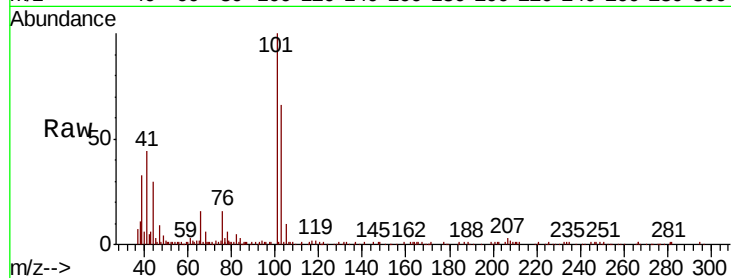


#7

Trichlorofluoromethane
Concen: 22.303 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

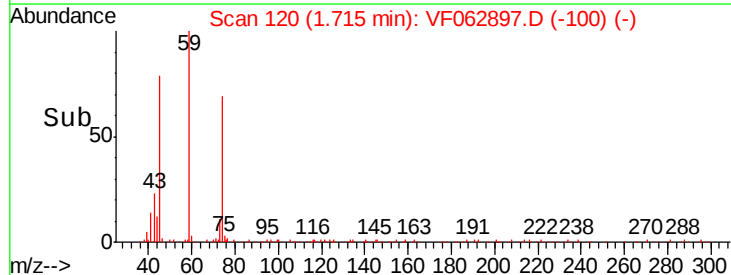
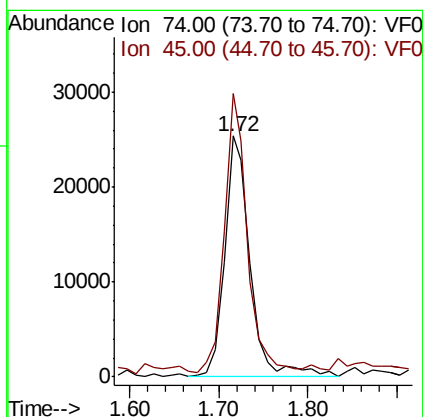
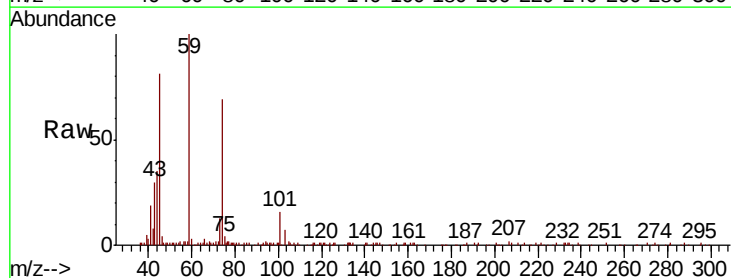
Tot Ion:101 Resp: 257184
Ion Ratio Lower Upper
101 100
103 65.2 54.6 82.0

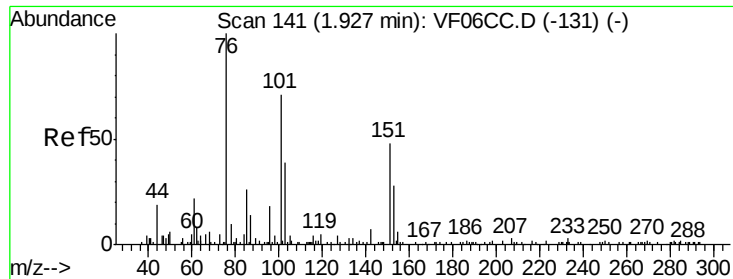


#8

Diethyl Ether
Concen: 22.495 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 74 Resp: 51035
Ion Ratio Lower Upper
74 100
45 117.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.245 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

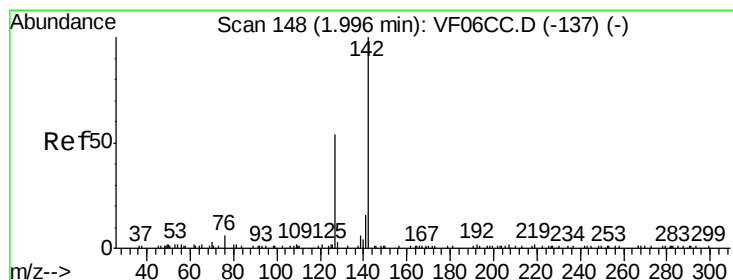
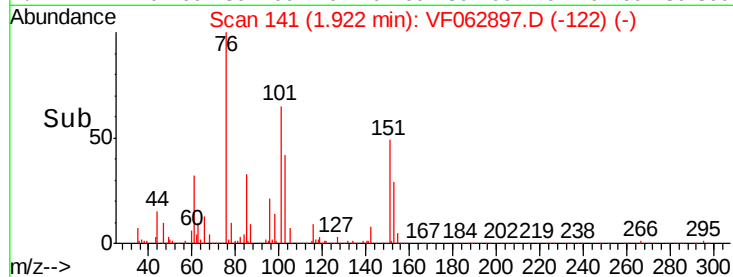
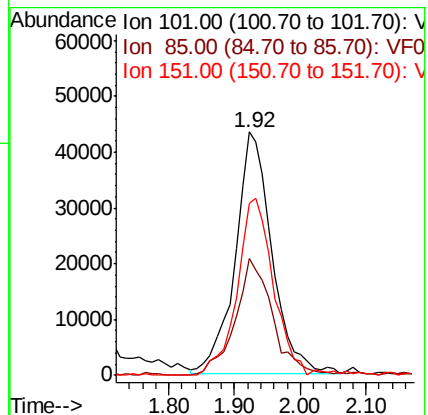
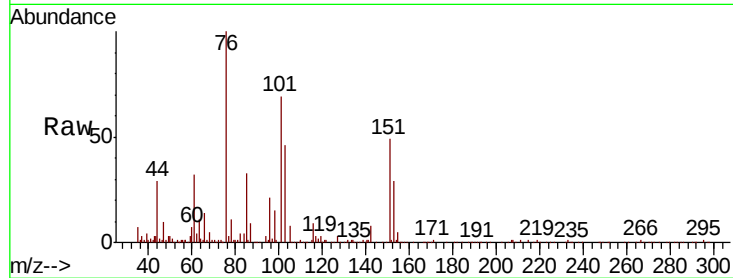
Tot Ion:101 Resp: 168519

Ion Ratio Lower Upper

101 100

85 47.8 37.1 55.7

151 70.7 60.3 90.5



#10

Methyl Iodide

Concen: 21.539 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

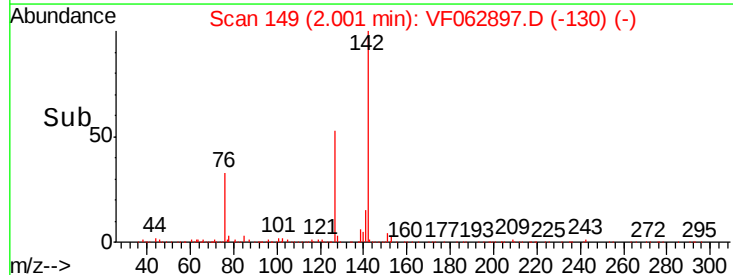
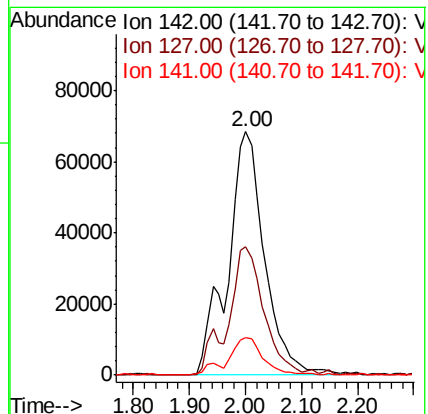
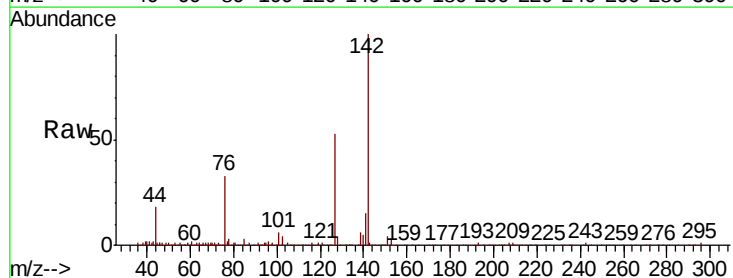
Tgt Ion:142 Resp: 313099

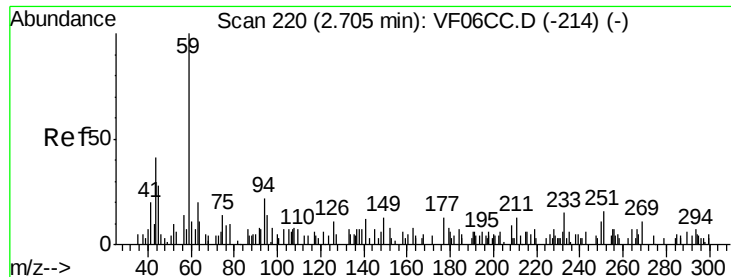
Ion Ratio Lower Upper

142 100

127 53.0 39.4 59.2

141 15.2 10.6 15.8



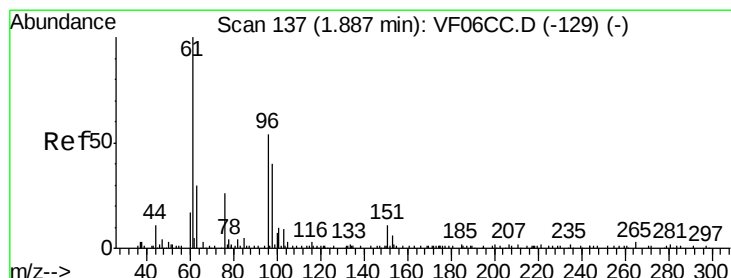
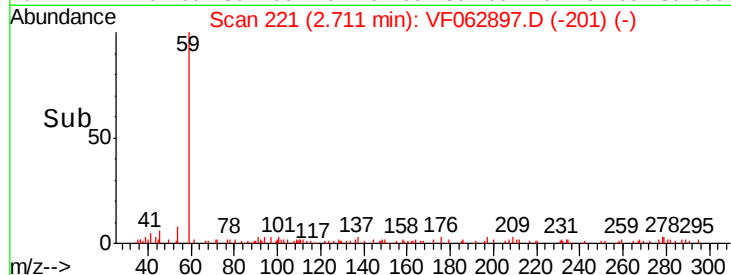
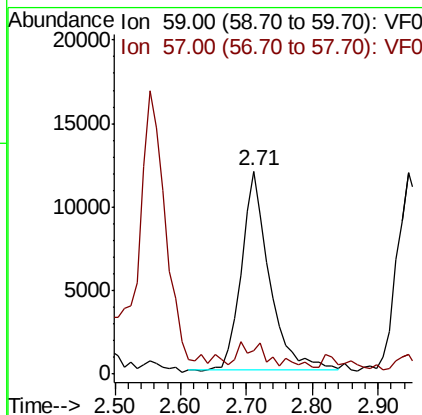
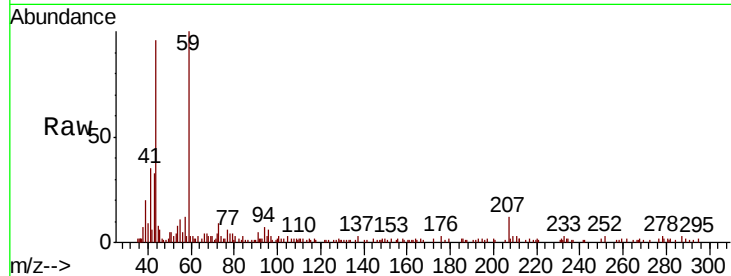


#11

Tert butyl alcohol
Concen: 107.340 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

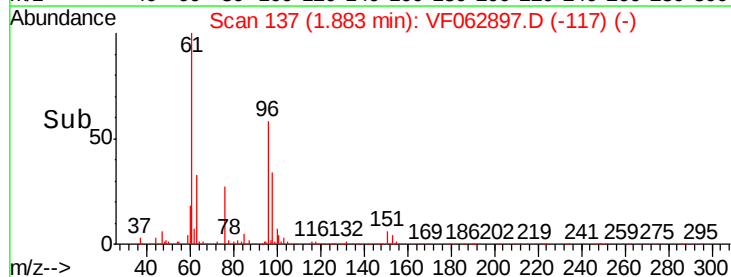
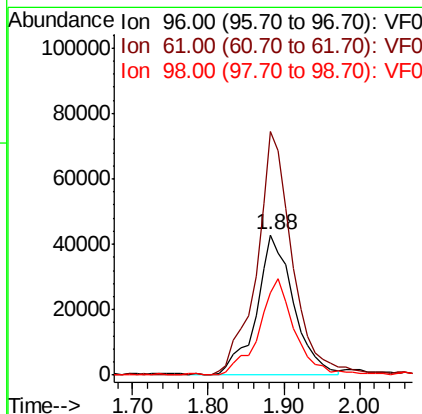
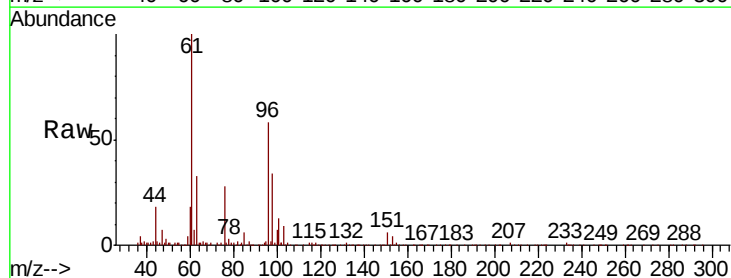
Tot Ion: 59 Resp: 35621
Ion Ratio Lower Upper
59 100
57 11.8 9.2 13.8

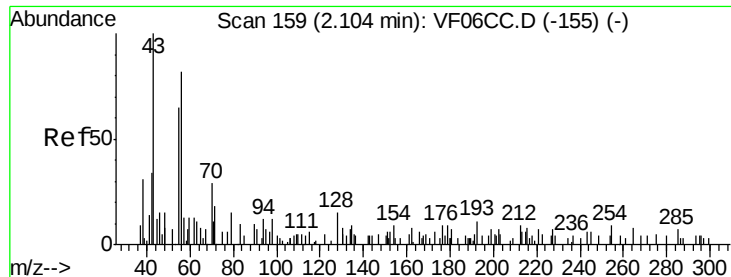


#12

1,1-Dichloroethene
Concen: 22.405 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 96 Resp: 147492
Ion Ratio Lower Upper
96 100
61 173.7 139.4 209.2
98 59.1 50.3 75.5





#13

Acrolein

Concen: 67.247 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

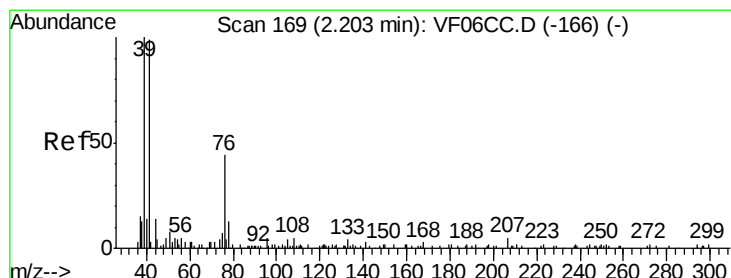
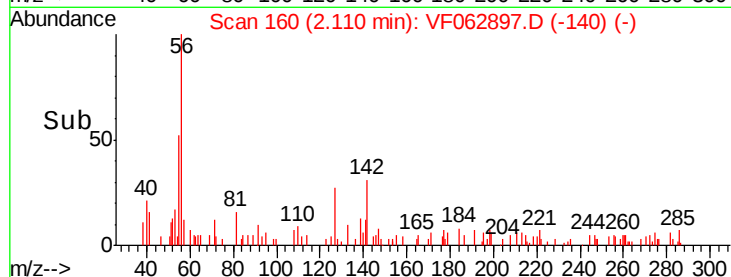
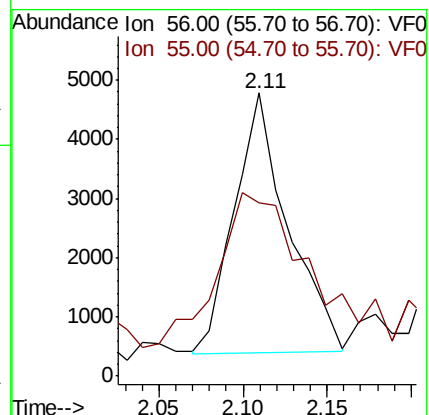
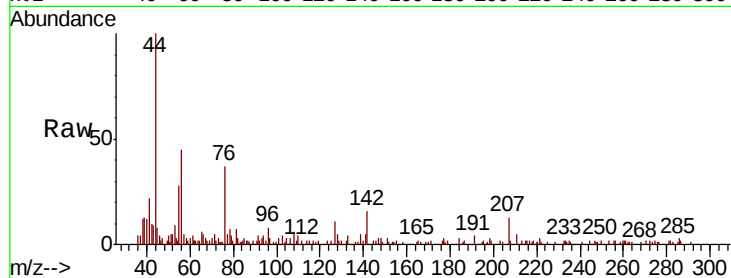
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 9708

Ion Ratio Lower Upper

56 100

55 61.1 52.9 79.3



#14

Allyl chloride

Concen: 23.716 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

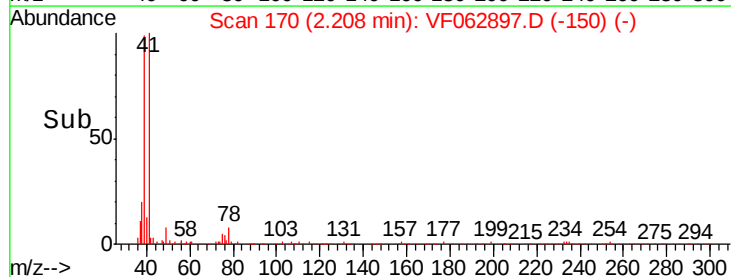
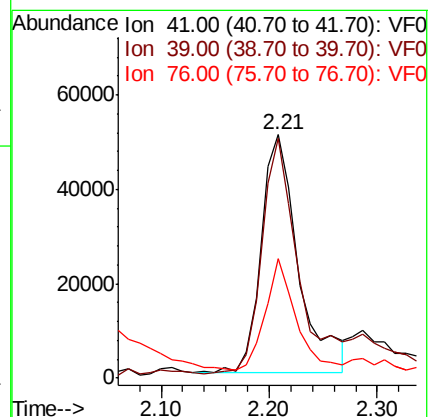
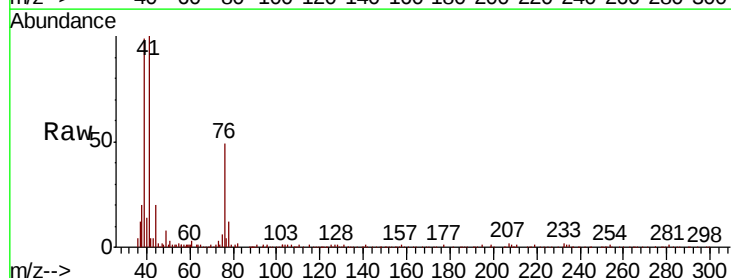
Tgt Ion: 41 Resp: 121121

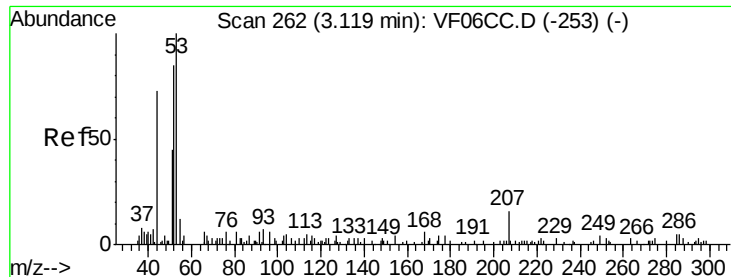
Ion Ratio Lower Upper

41 100

39 98.7 71.9 107.9

76 48.8 39.6 59.4





#15

Acrylonitrile

Concen: 104.071 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.00 min

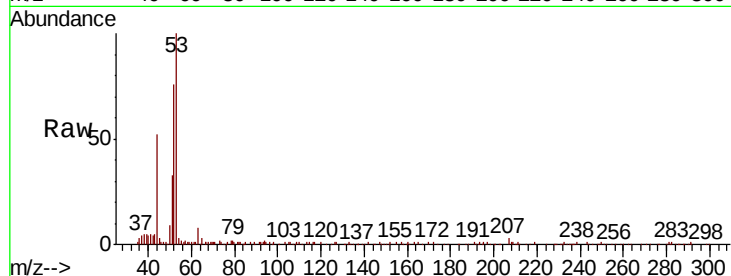
Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 129773

Ion	Ratio	Lower	Upper
53	100		
52	76.3	68.1	102.1
51	33.1	27.7	41.5

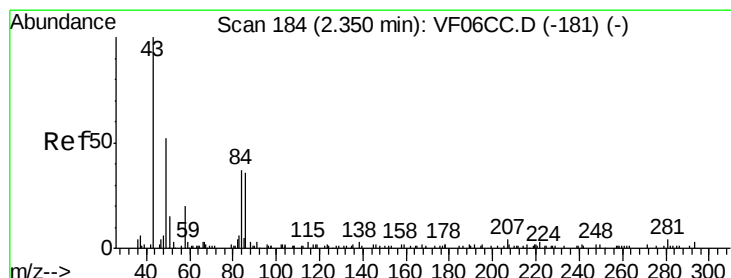
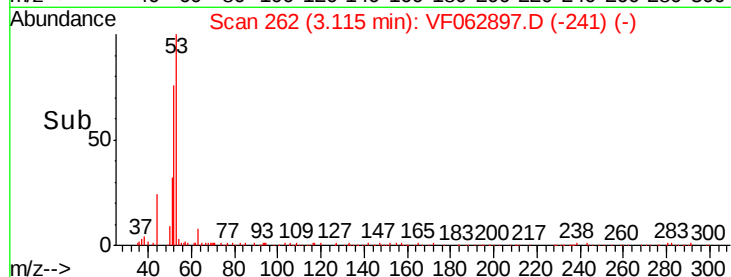
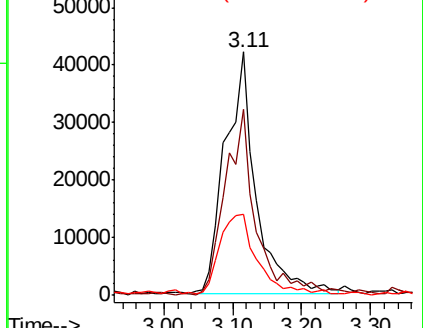


Abundance

Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 103.979 ug/l

RT: 2.36 min Scan# 185

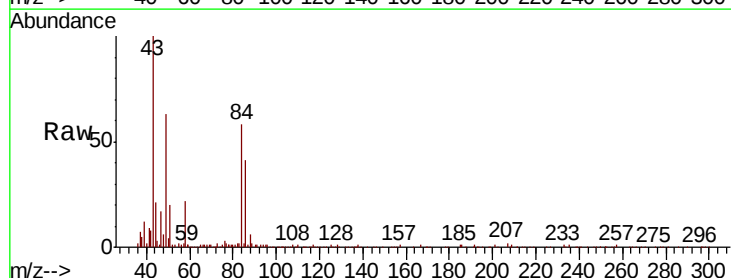
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion: 43 Resp: 130368

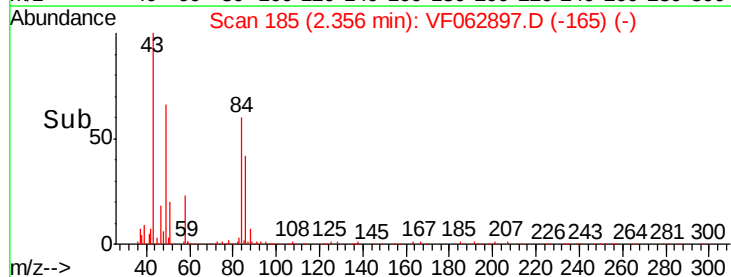
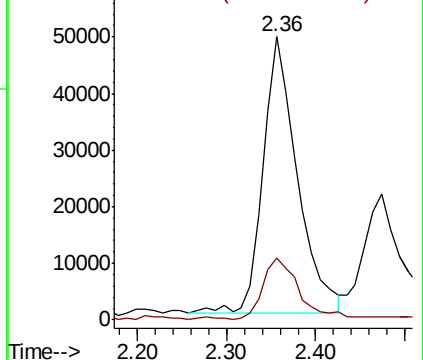
Ion	Ratio	Lower	Upper
43	100		
58	21.9	19.0	28.4

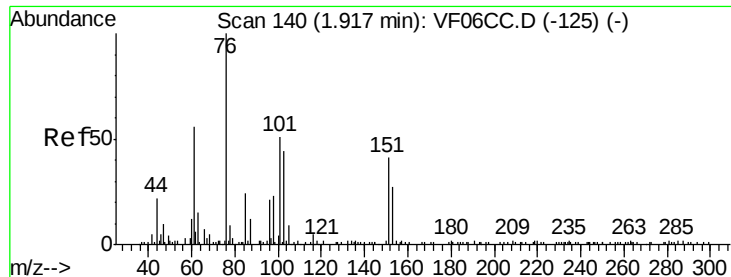


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

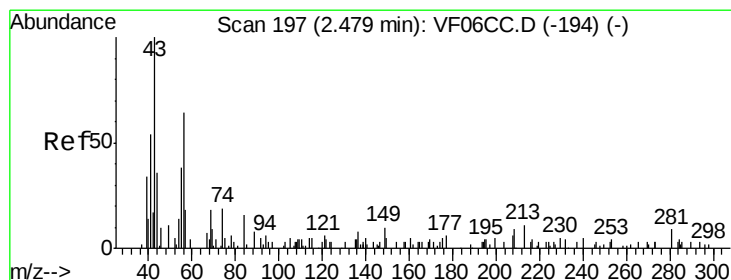
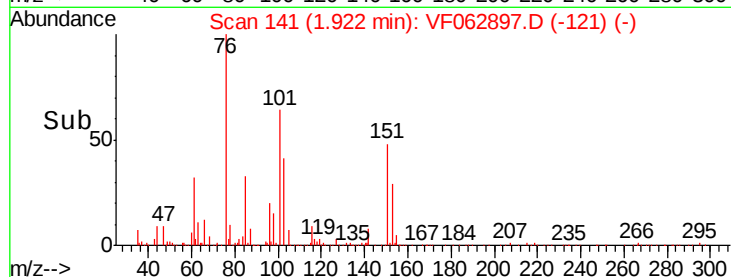
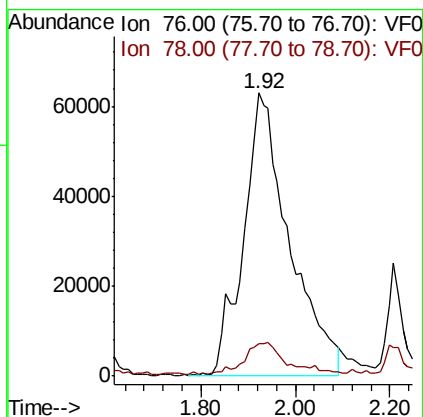
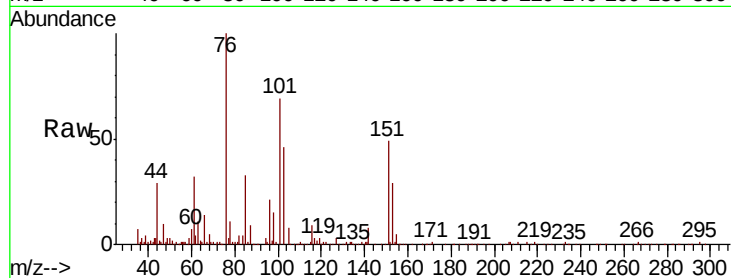




#17
Carbon Disulfide
Concen: 21.936 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

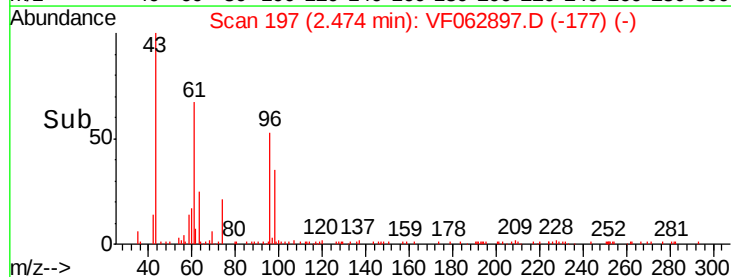
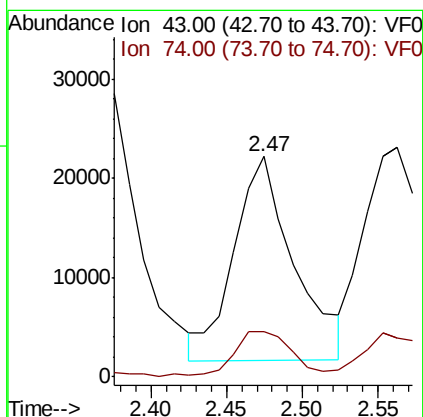
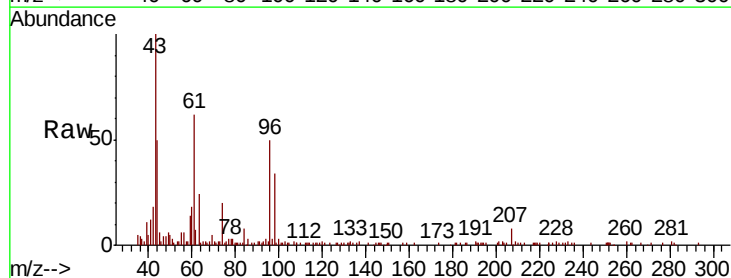
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 422072
Ion Ratio Lower Upper
76 100
78 11.3 9.4 14.2



#18
Methyl Acetate
Concen: 25.900 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 43 Resp: 56747
Ion Ratio Lower Upper
43 100
74 20.4 22.1 33.1#

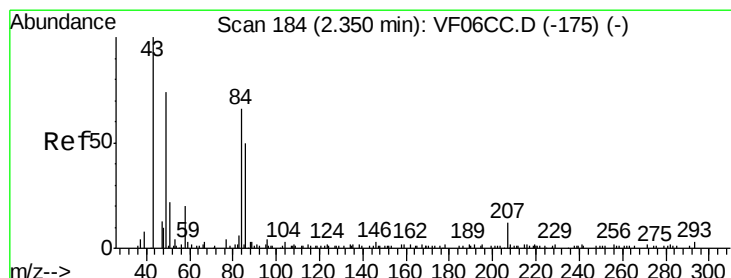
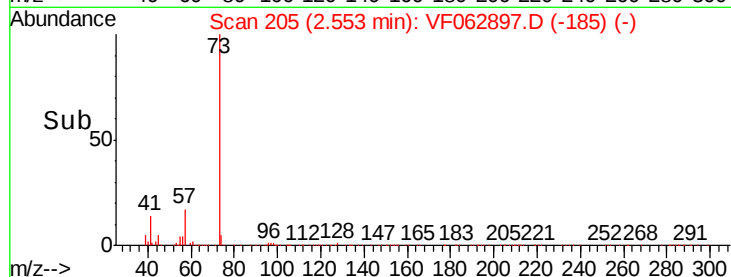
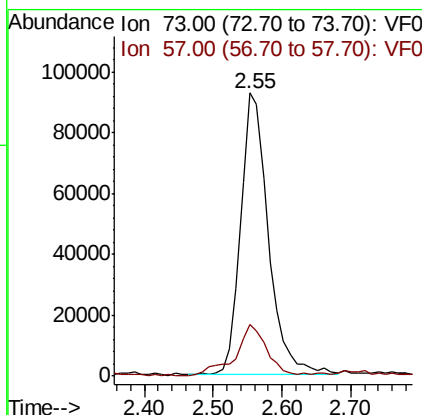
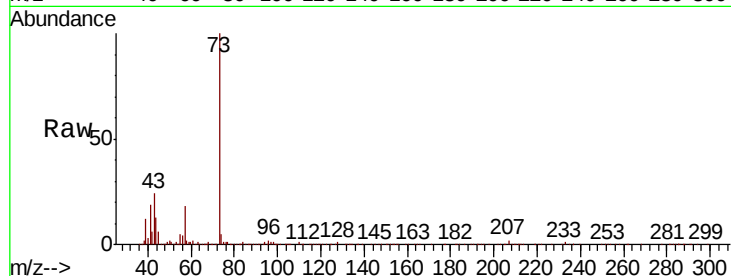




#19
Methvl tert-butvl Ether
Concen: 21.863 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

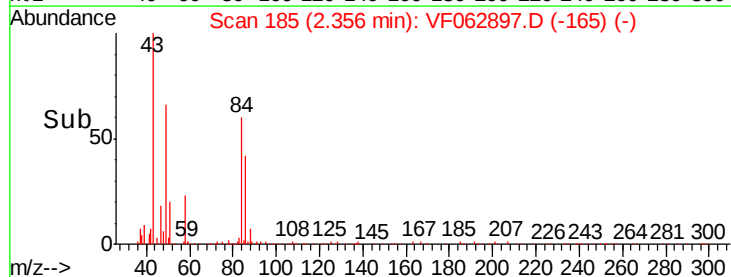
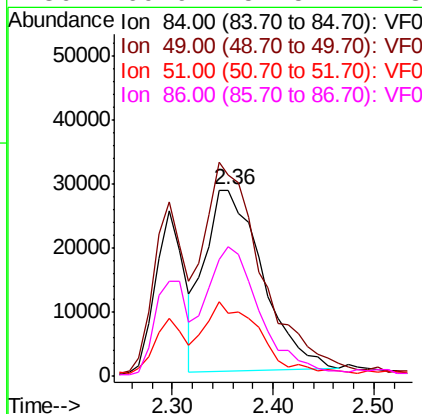
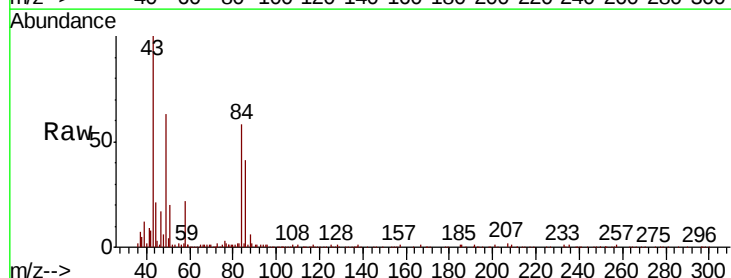
Instrument :
MSVOA_F
ClientSampleId :

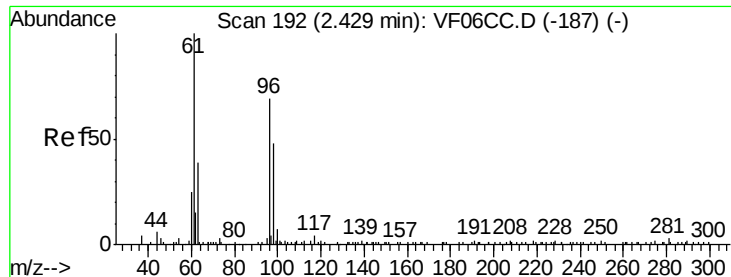
Tot Ion: 73 Resp: 260760
Ion Ratio Lower Upper
73 100
57 18.2 15.1 22.7



#20
Methylene Chloride
Concen: 15.818 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 84 Resp: 112129
Ion Ratio Lower Upper
84 100
49 108.1 82.6 123.8
51 33.8 25.0 37.4
86 69.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 22.681 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

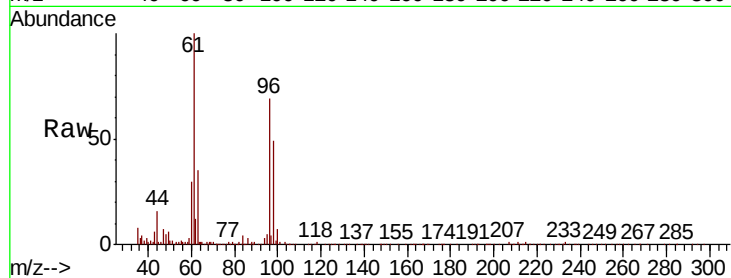
Tot Ion: 96 Resp: 149710

Ion Ratio Lower Upper

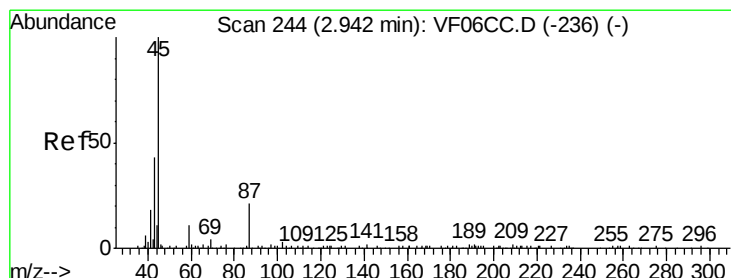
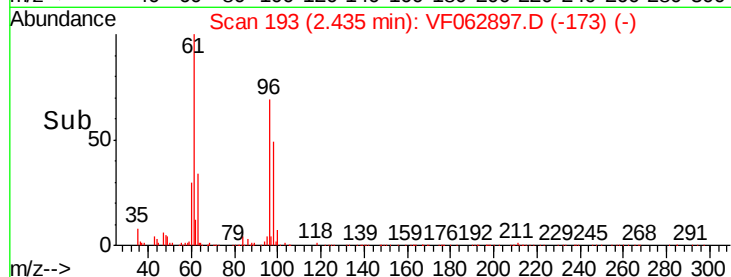
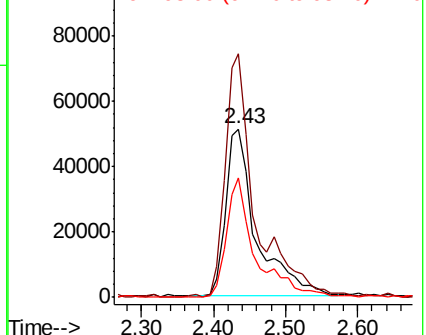
96 100

61 144.6 105.0 157.6

98 70.7 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: 21.877 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion: 45 Resp: 317432

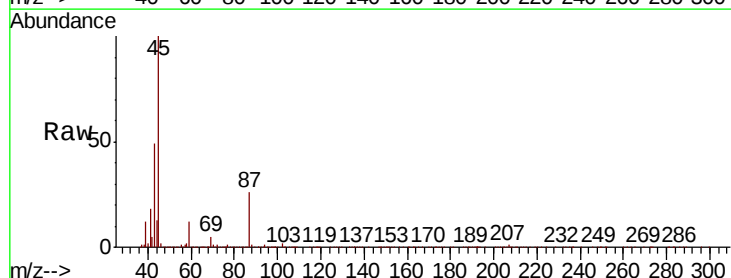
Ion Ratio Lower Upper

45 100

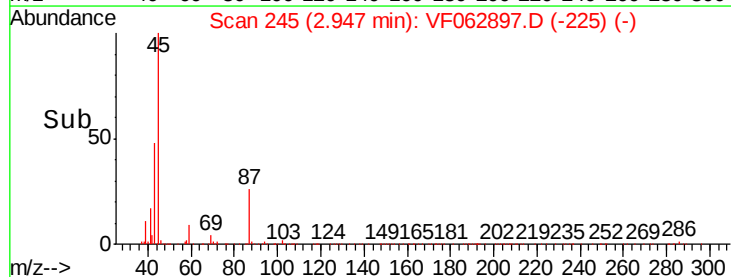
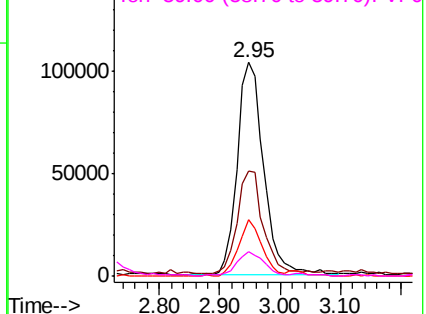
43 49.2 34.3 51.5

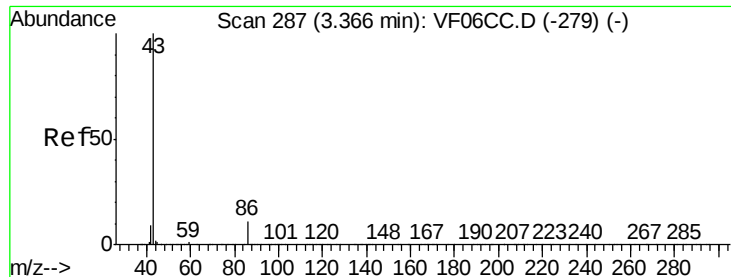
87 26.2 19.0 28.4

59 11.6 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: 115.886 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

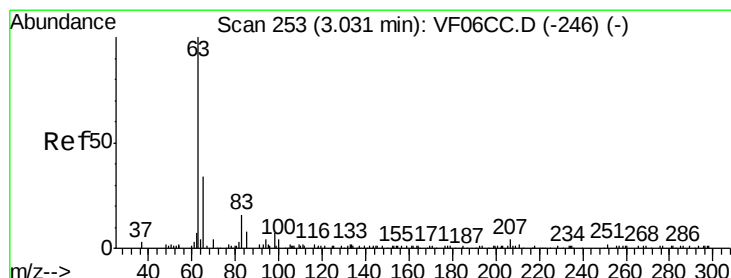
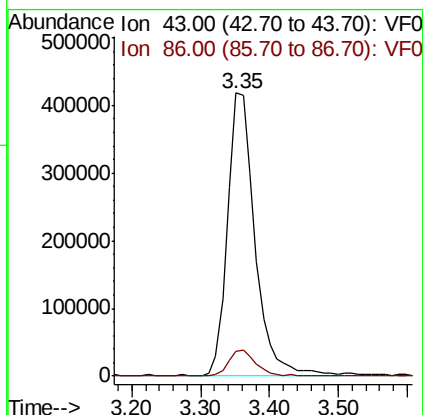
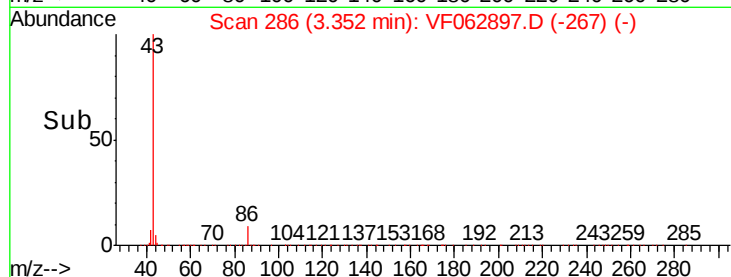
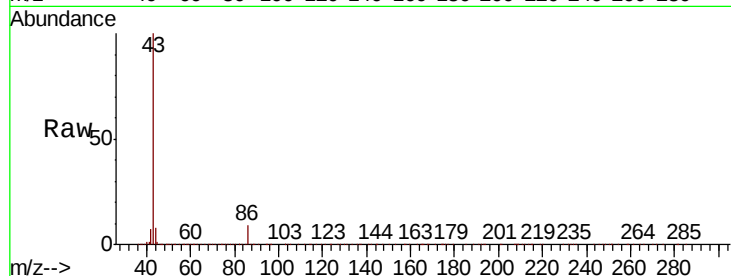
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1151156

Ion Ratio Lower Upper

43 100

86 8.9 8.2 12.2



#24

1,1-Dichloroethane

Concen: 23.258 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

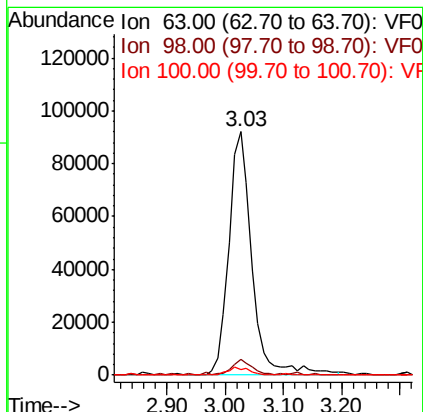
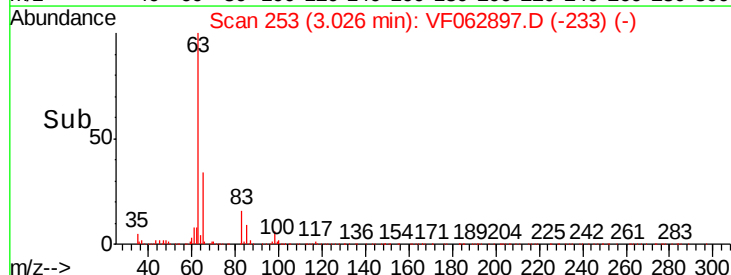
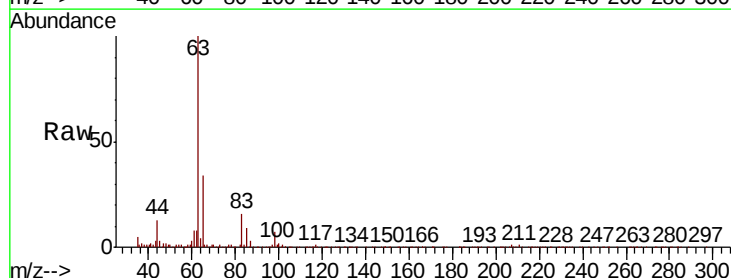
Tgt Ion: 63 Resp: 251966

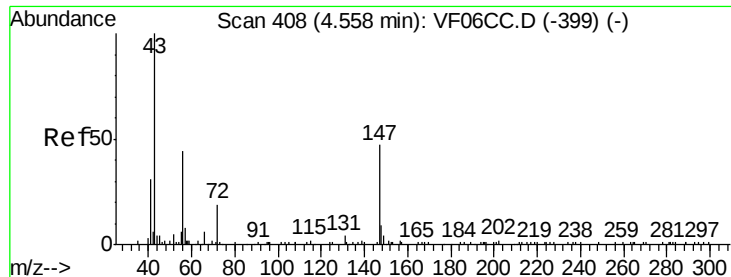
Ion Ratio Lower Upper

63 100

98 6.7 2.4 7.1

100 2.2 1.5 4.5

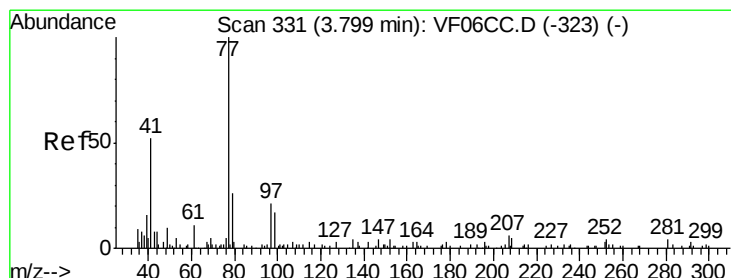
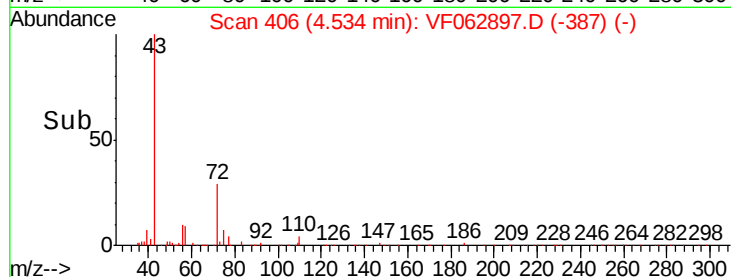
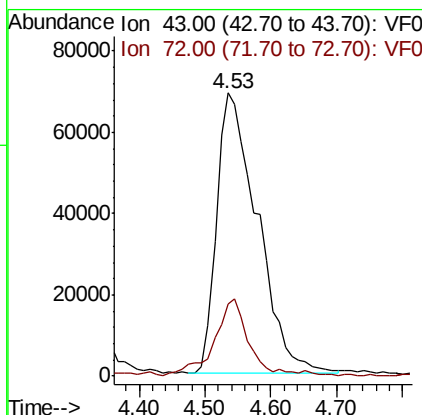
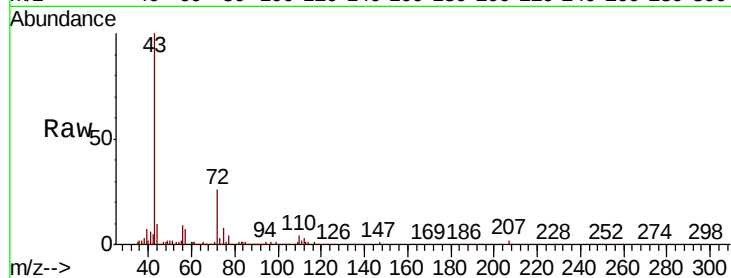




#25
2-Butanone
Concen: 100.919 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

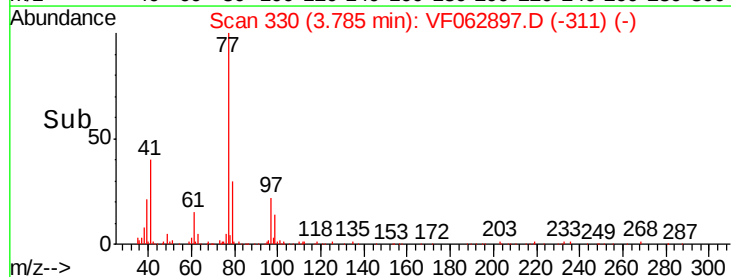
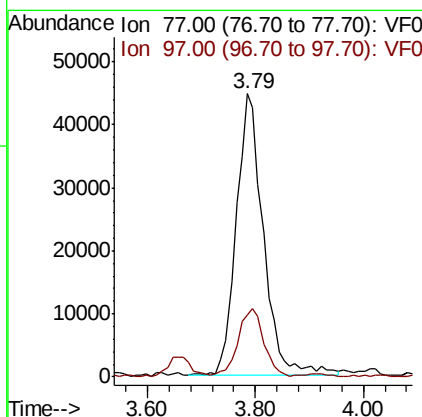
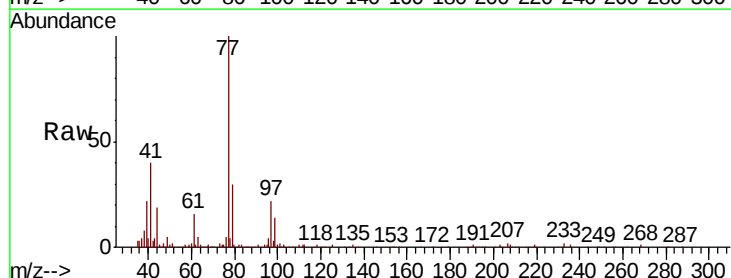
Instrument :
MSVOA_F
ClientSampleId :

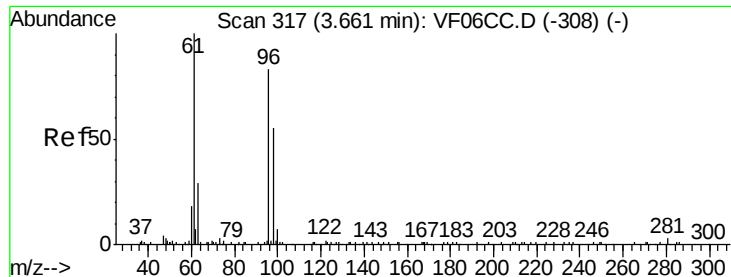
Tot Ion: 43 Resp: 294662
Ion Ratio Lower Upper
43 100
72 25.6 21.4 32.0



#26
2,2-Dichloropropane
Concen: 25.307 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 77 Resp: 155672
Ion Ratio Lower Upper
77 100
97 21.9 12.4 37.4



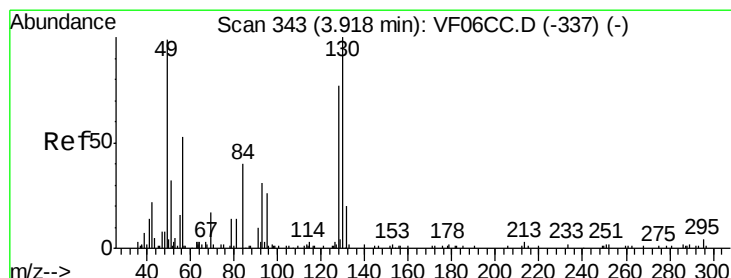
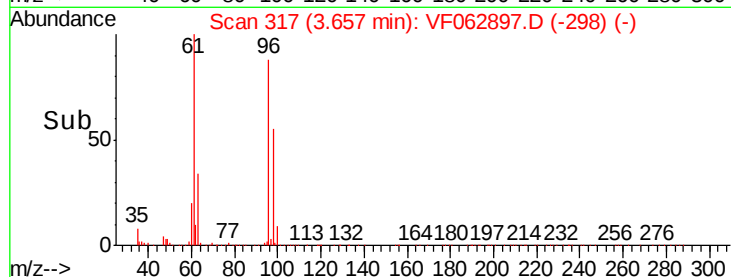
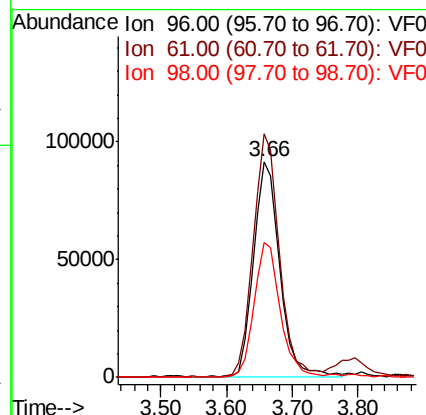
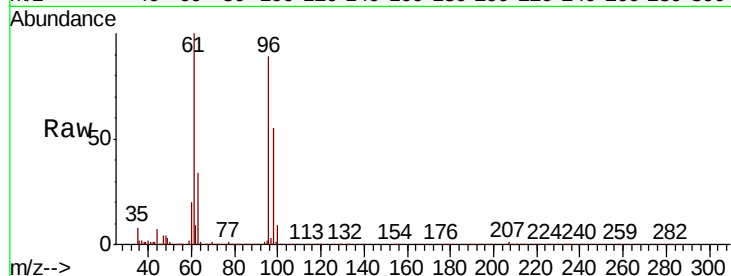


#27

cis-1,2-Dichloroethene
Concen: 23.024 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

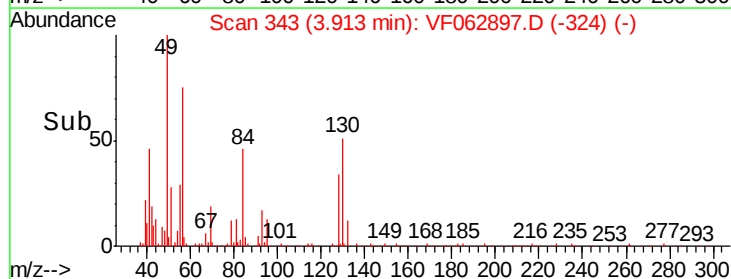
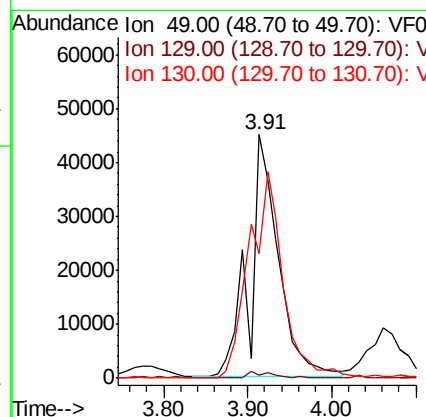
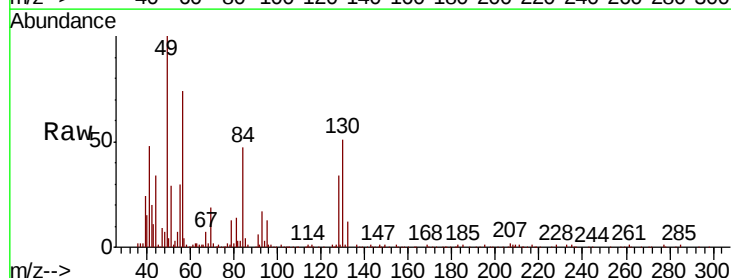
Tot Ion	Ratio	Lower	Upper
96	100		
61	112.9	0.0	213.8
98	62.6	0.0	127.0

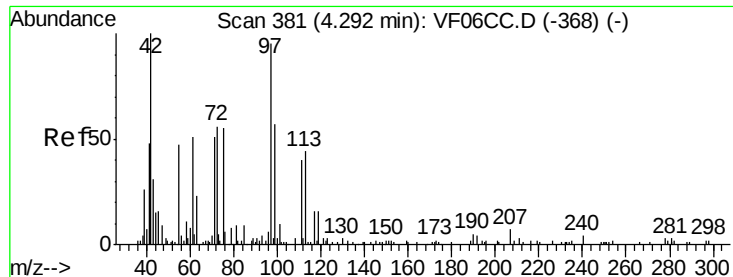


#28

Bromochloromethane
Concen: 18.084 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.4
130	52.0	79.2	118.8#

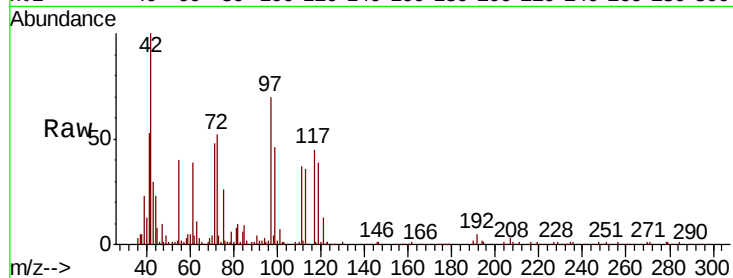




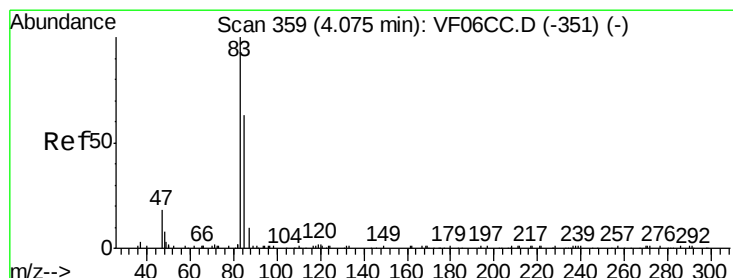
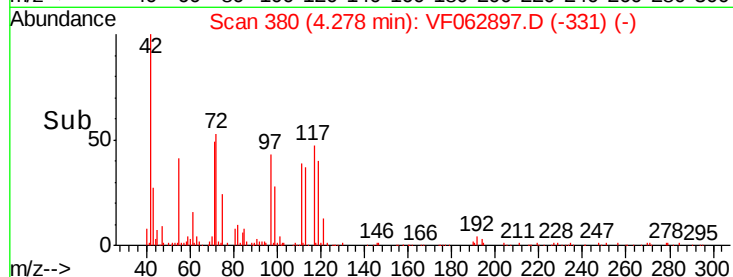
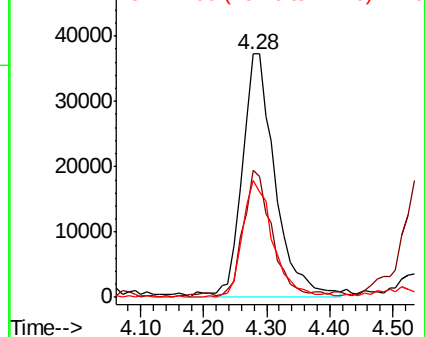
#29
Tetrahydrofuran
Concen: 121.365 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 135533
Ion Ratio Lower Upper
42 100
72 45.1 39.0 58.6
71 44.4 36.9 55.3

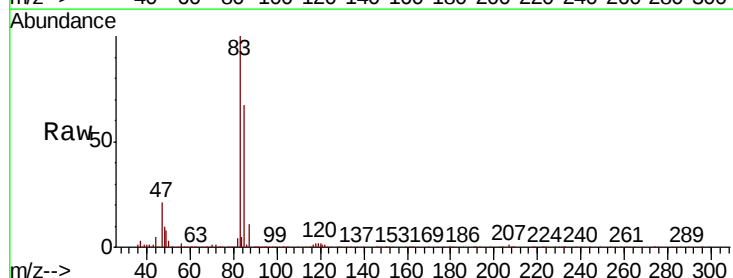


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

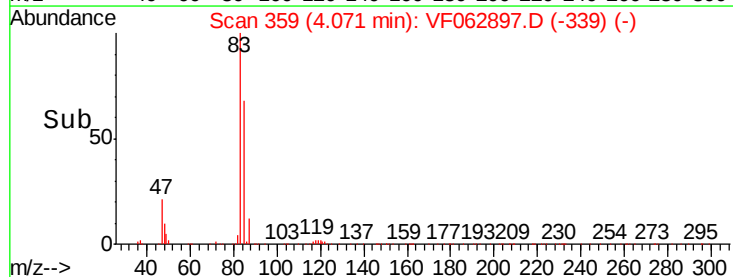
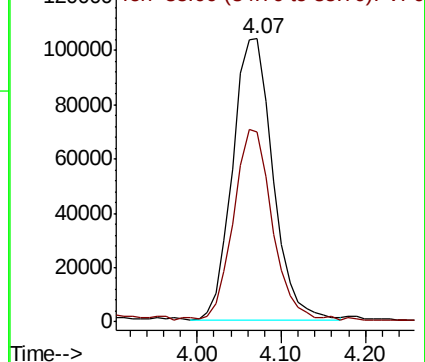


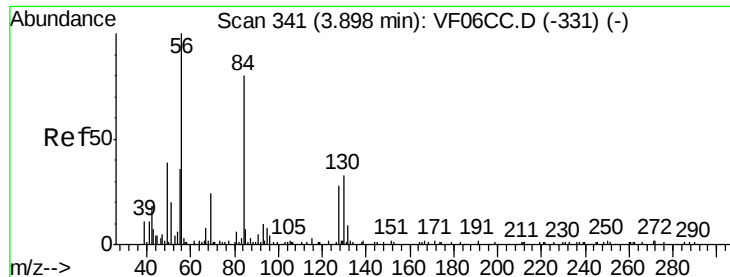
#30
Chloroform
Concen: 22.648 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 83 Resp: 345809
Ion Ratio Lower Upper
83 100
85 66.9 55.0 82.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

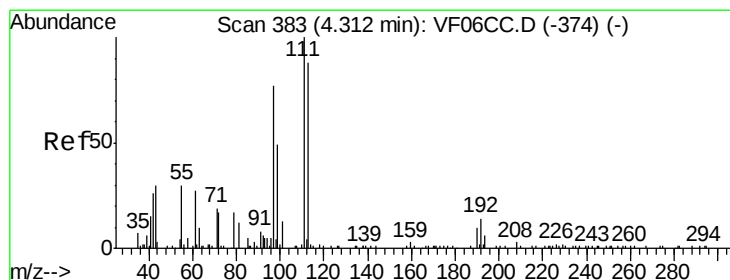
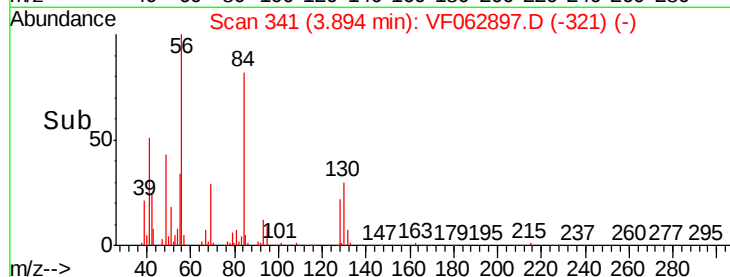
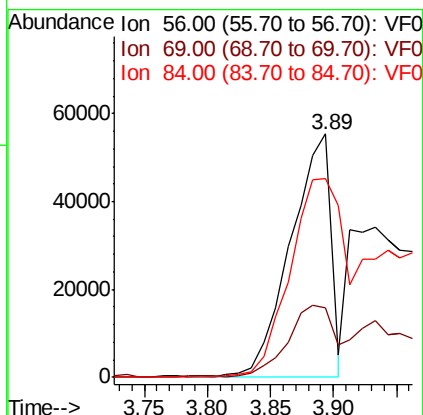
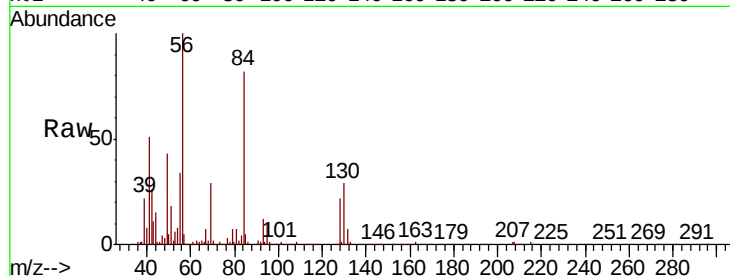




#31
Cyclohexane
Concen: 8.311 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

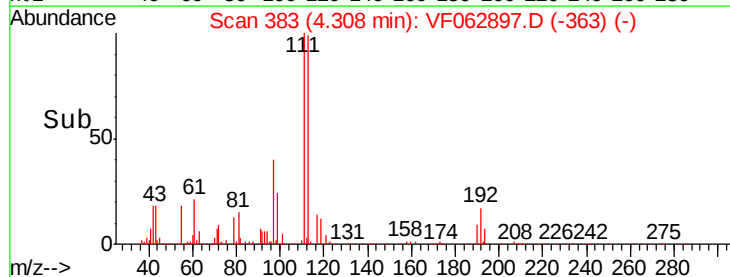
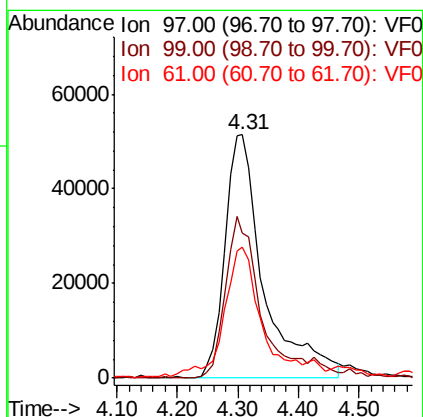
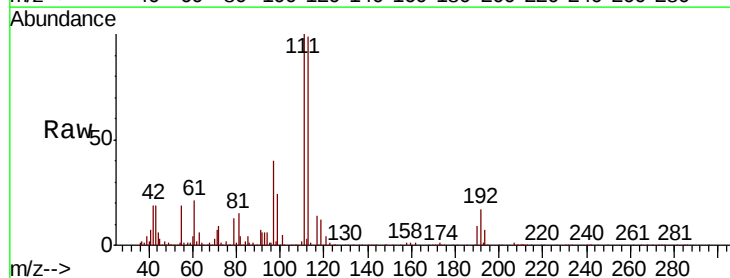
Instrument :
MSVOA_F
ClientSampleId :

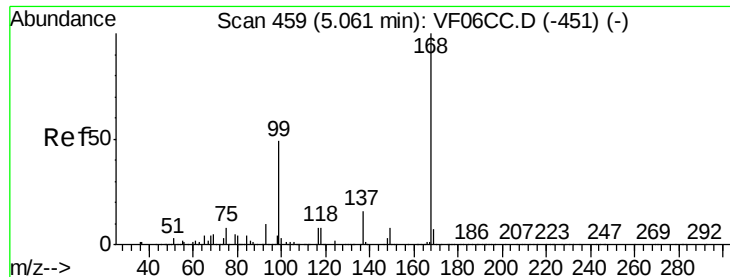
Tot Ion: 56 Resp: 121896
Ion Ratio Lower Upper
56 100
69 28.7 26.7 40.1
84 81.7 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 25.860 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 97 Resp: 229892
Ion Ratio Lower Upper
97 100
99 59.5 51.7 77.5
61 53.6 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 47.881 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

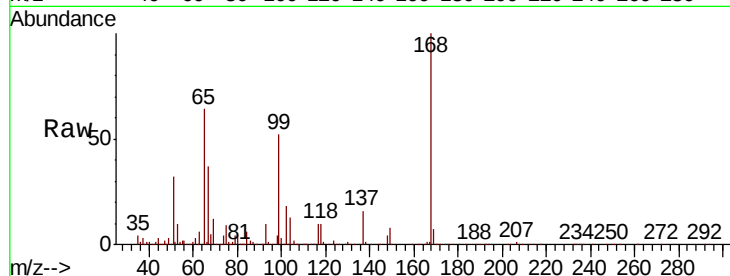
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 262294

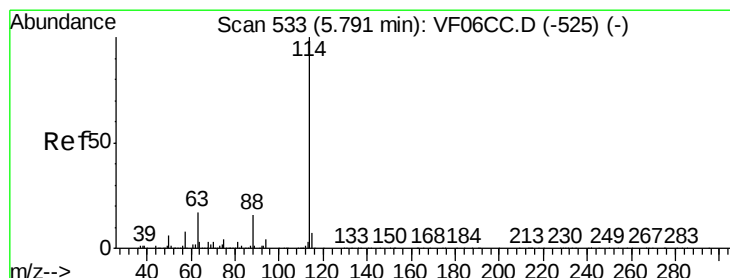
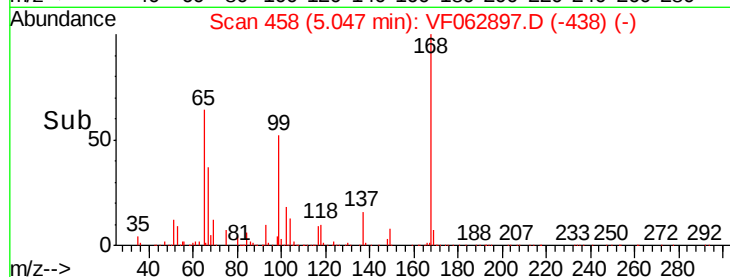
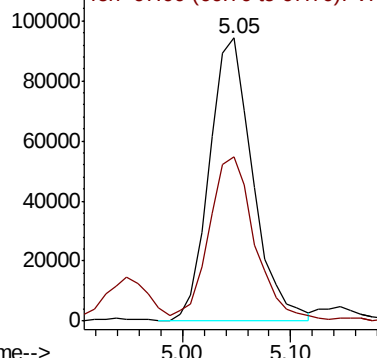
Ion Ratio Lower Upper

65 100

67 58.2 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

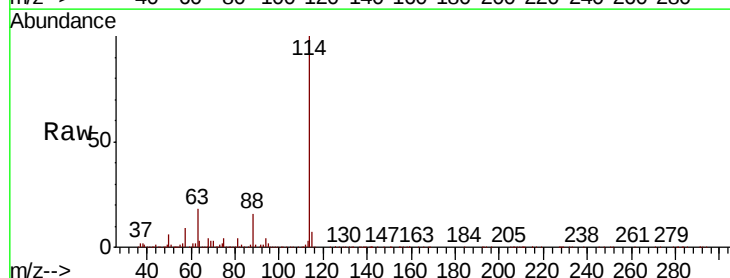
Tgt Ion: 114 Resp: 1306118

Ion Ratio Lower Upper

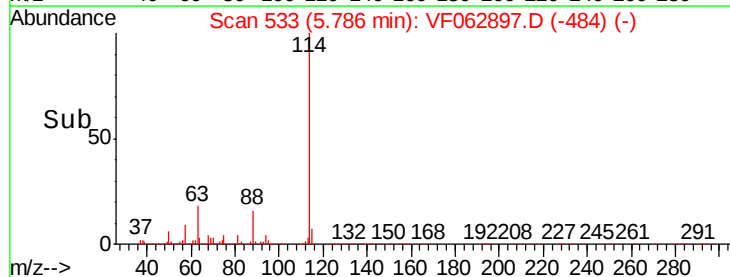
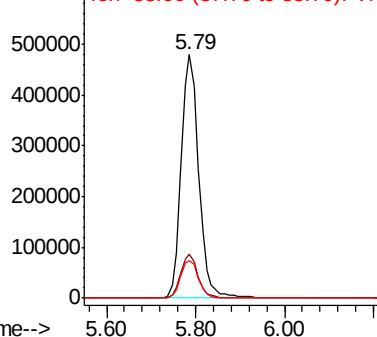
114 100

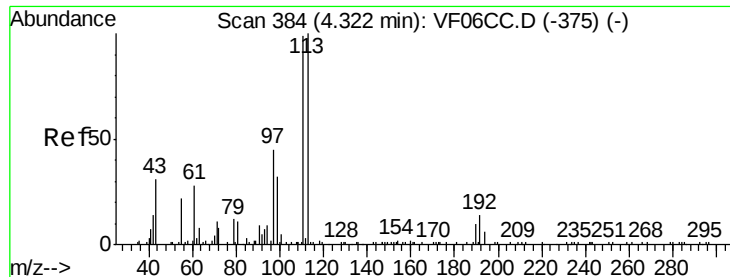
63 18.0 0.0 34.2

88 15.6 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

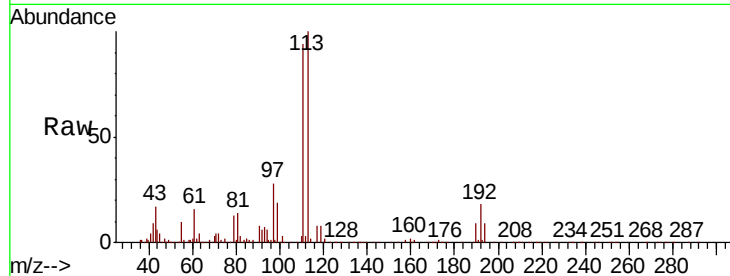




#35
Dibromofluoromethane
Concen: 49.247 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.1	81.9	122.9
192	17.8	15.1	22.7

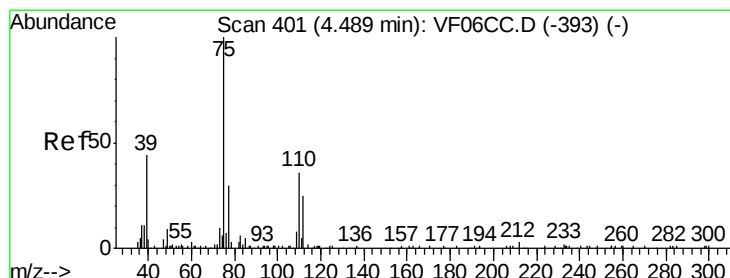
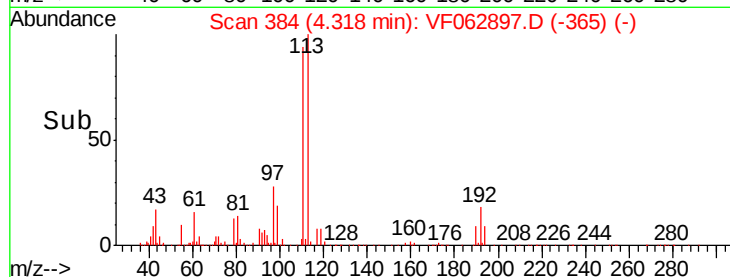
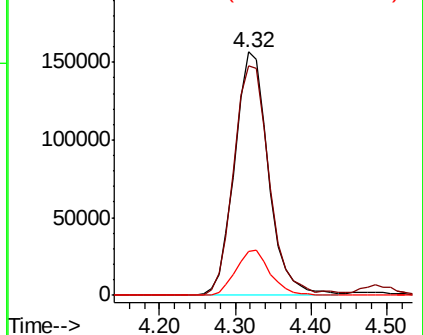


Abundance

Ion 113.00 (112.70 to 113.70): V

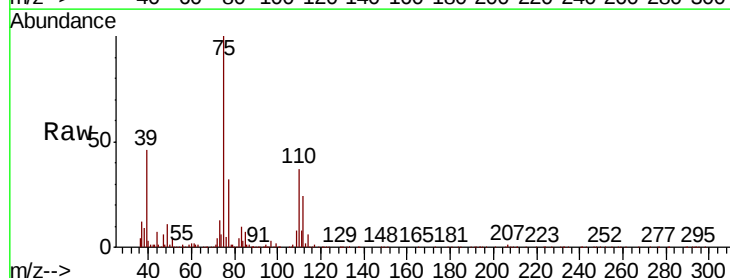
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
1,1-Dichloropropene
Concen: 21.598 ug/l
RT: 4.49 min Scan# 401
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.4	58.1
77	32.2	25.4	38.2

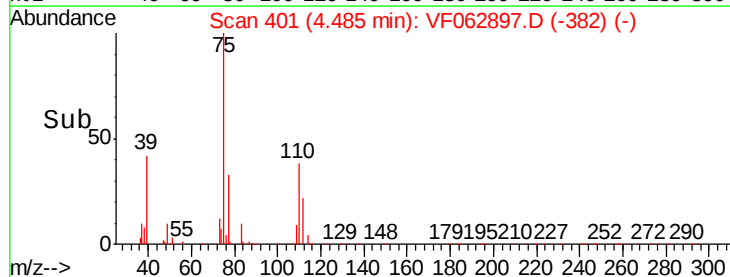
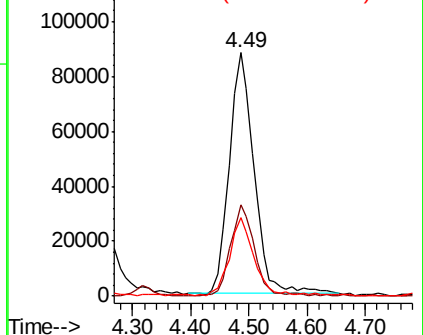


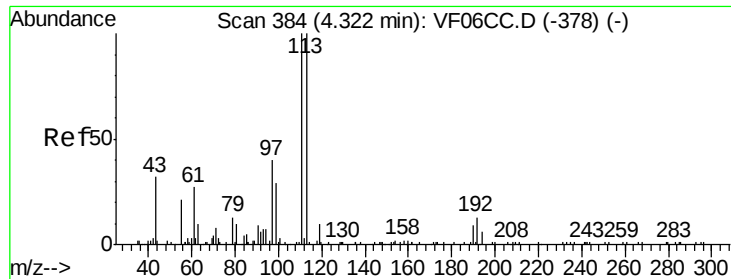
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

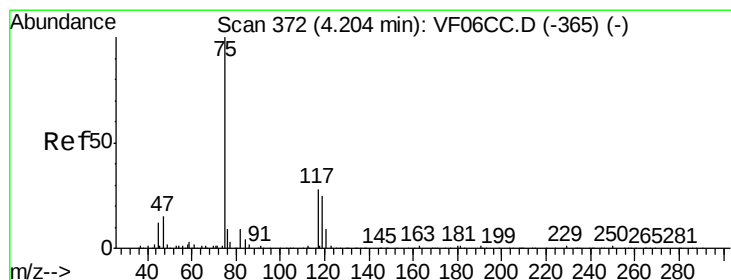
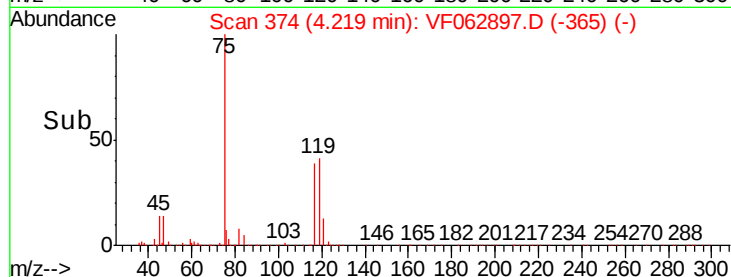
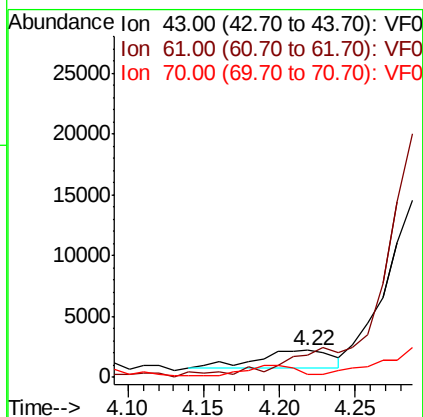
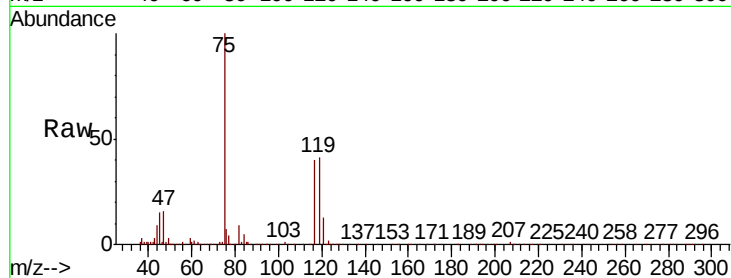




#37
Ethyl Acetate
Concen: 1.037 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.11 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

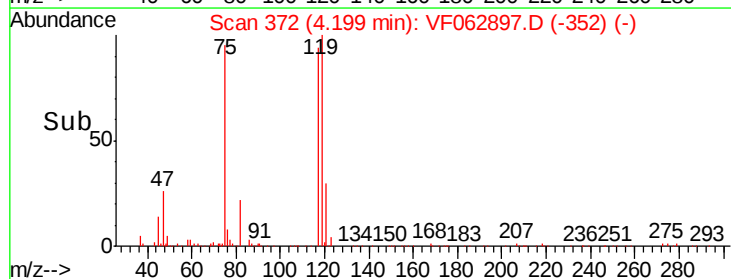
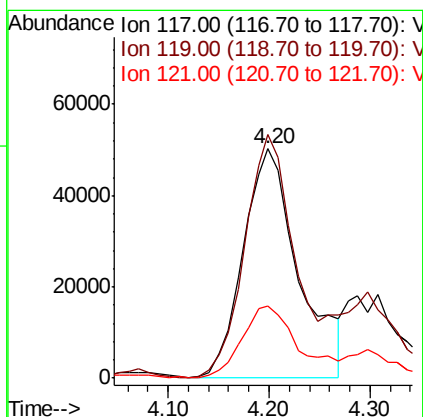
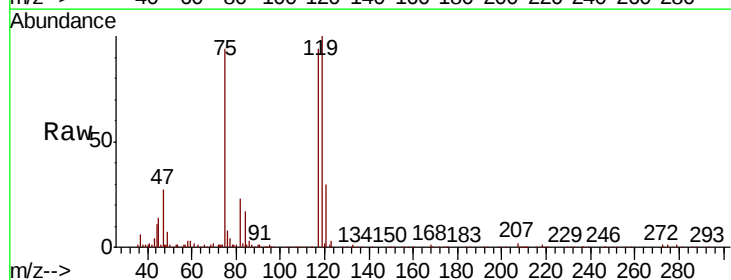
Instrument :
MSVOA_F
ClientSampled :

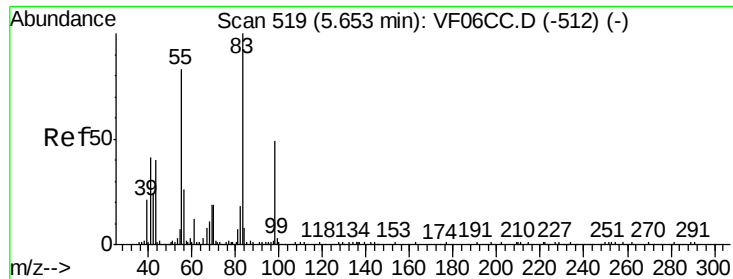
Tot Ion: 43 Resp: 4768
Ion Ratio Lower Upper
43 100
61 81.8 59.1 88.7
70 13.3 10.1 15.1



#38
Carbon Tetrachloride
Concen: 23.683 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 117 Resp: 192453
Ion Ratio Lower Upper
117 100
119 106.3 78.2 117.2
121 31.6 28.2 42.2

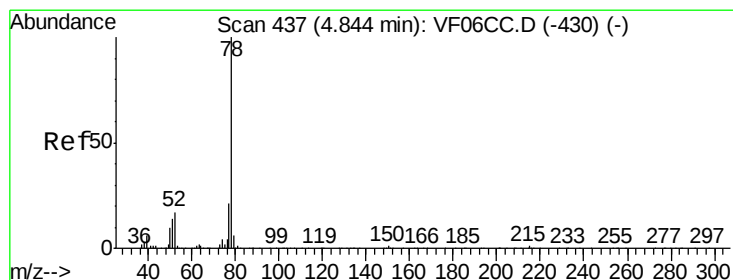
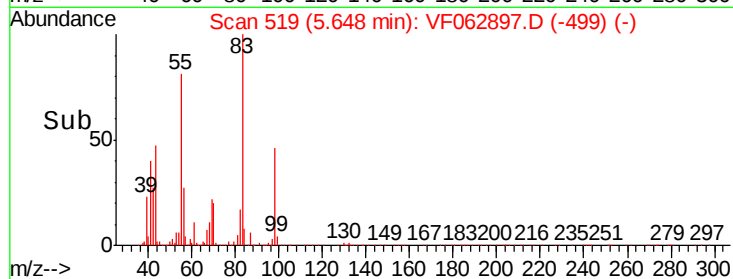
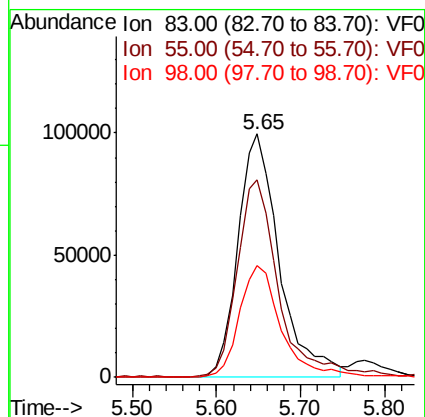
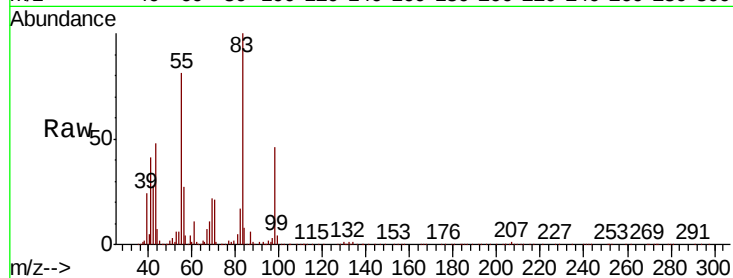




#39
Methvlcvclohexane
Concen: 22.777 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

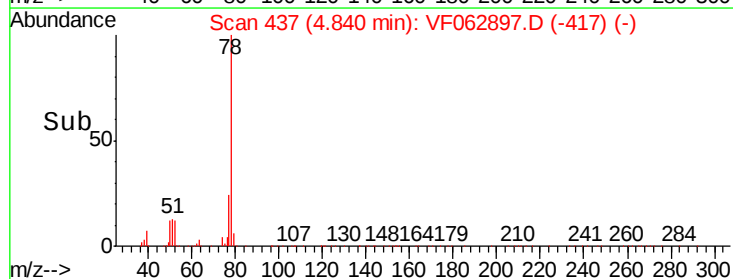
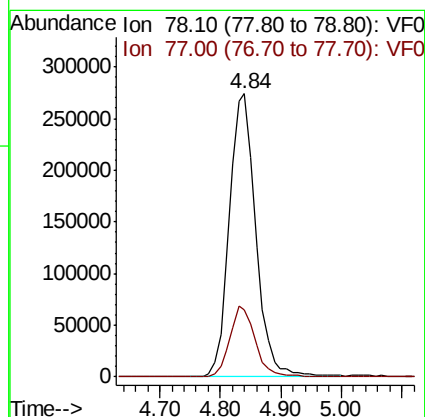
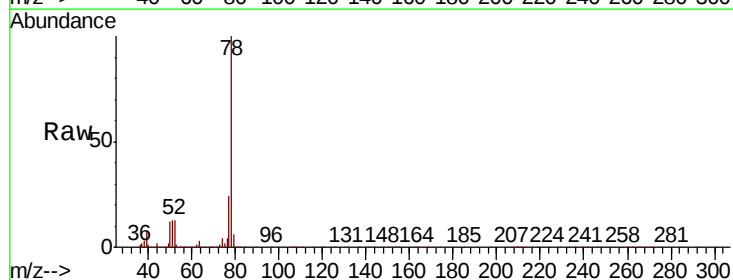
Instrument :
MSVOA_F
ClientSampleId :

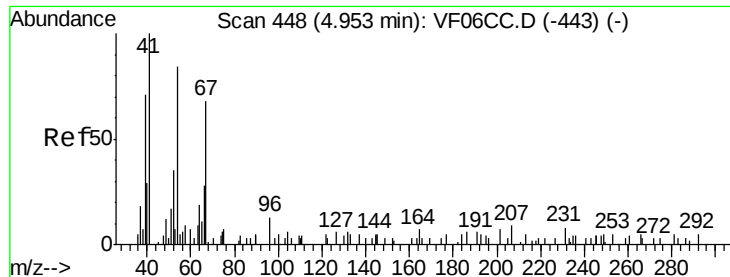
Tot Ion: 83 Resp: 340862
Ion Ratio Lower Upper
83 100
55 81.2 61.6 92.4
98 45.9 37.4 56.2



#40
Benzene
Concen: 23.816 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 78 Resp: 833425
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

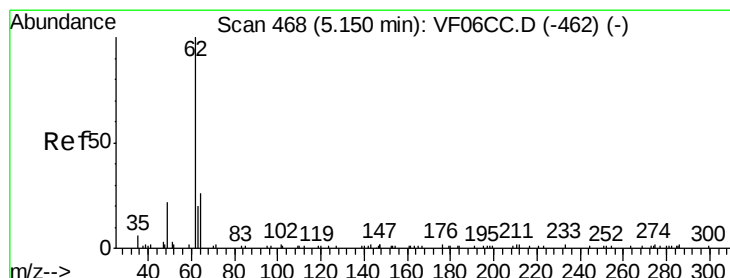
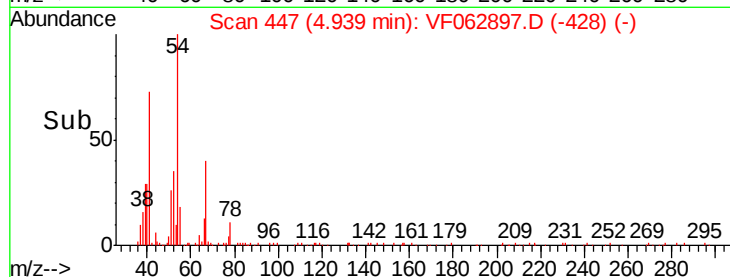
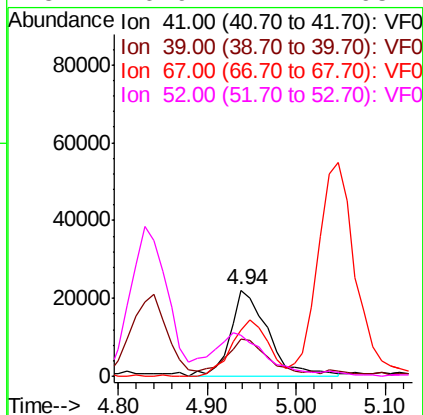
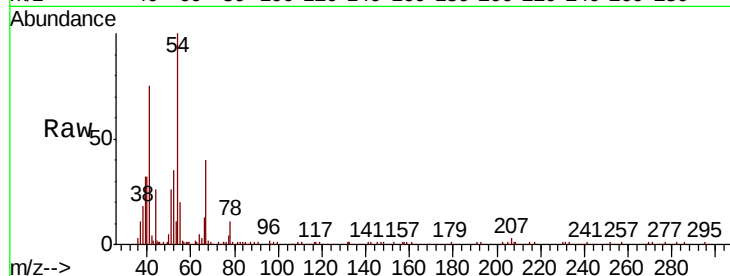




#41
Methacrylonitrile
Concen: 24.865 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

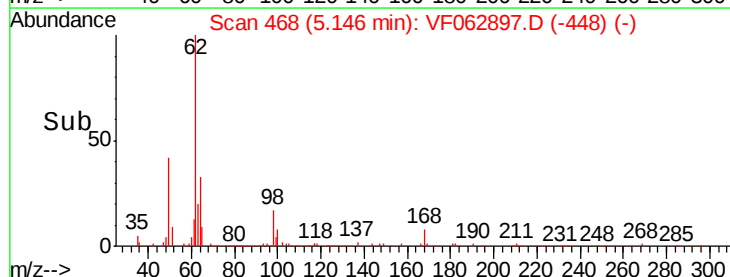
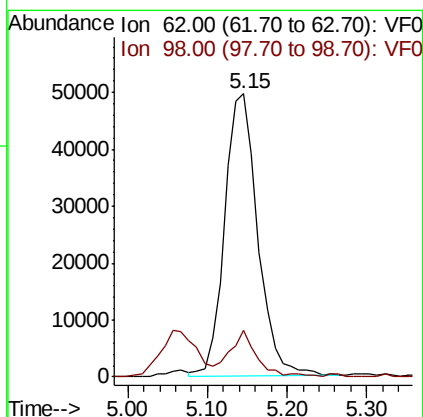
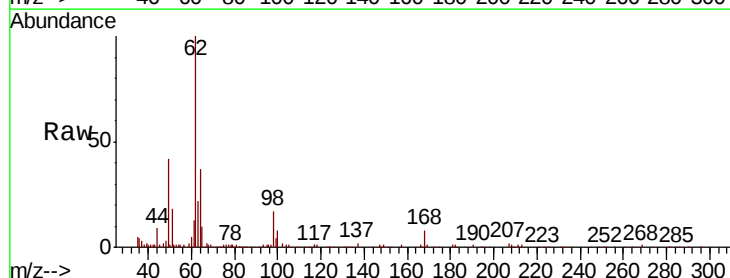
Instrument :
MSVOA_F
ClientSampled :

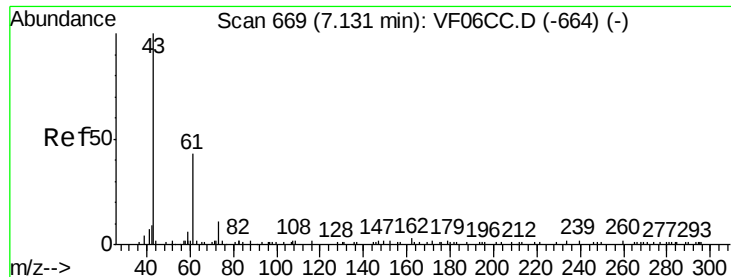
Tot Ion:	41	Resp:	63536
Ion	Ratio	Lower	Upper
41	100		
39	43.2	42.0	63.0
67	53.2	61.4	92.0#
52	46.9	42.1	63.1



#42
1,2-Dichloroethane
Concen: 21.712 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion:	62	Resp:	144504
Ion	Ratio	Lower	Upper
62	100		
98	16.5	0.0	24.0



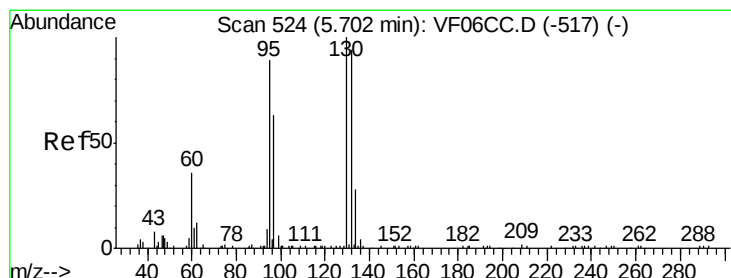
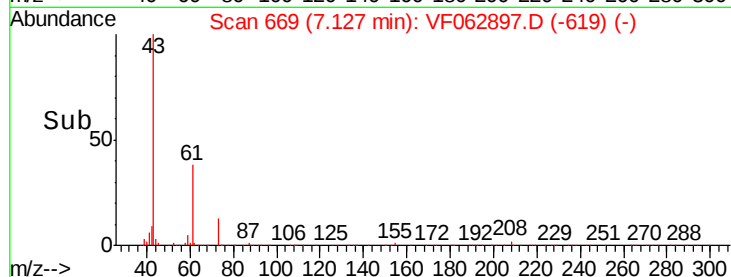
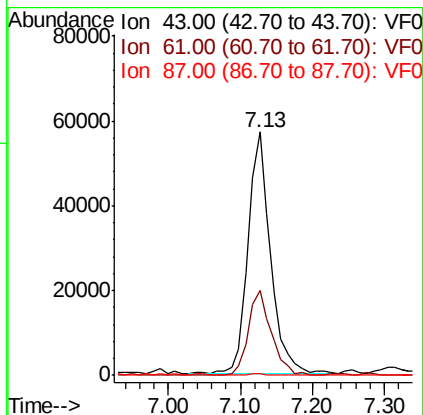
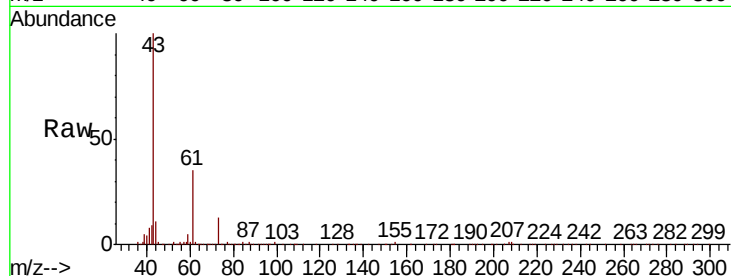


#43

Isopropyl Acetate
 Concen: 20.661 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampled :

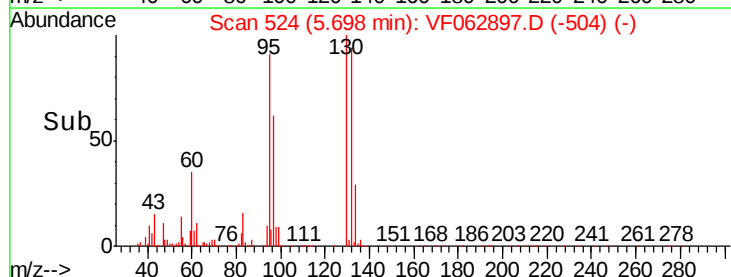
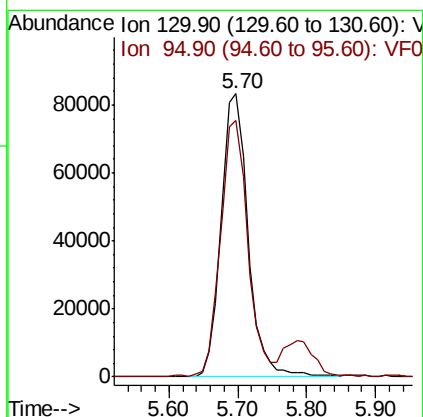
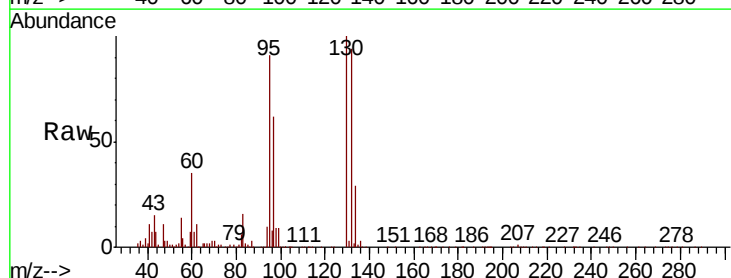
Tot Ion: 43 Resp: 125451
 Ion Ratio Lower Upper
 43 100
 61 35.0 29.8 44.6
 87 0.6 0.3 0.5#

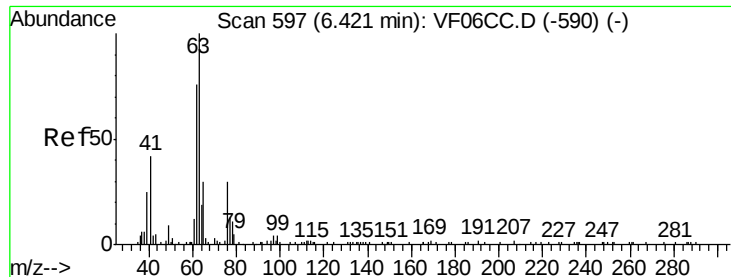


#44

Trichloroethene
 Concen: 22.983 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion: 130 Resp: 226988
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 188.2

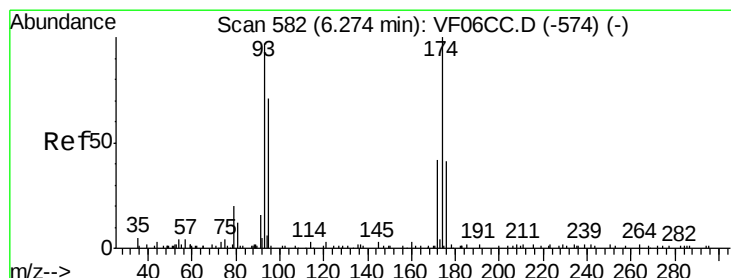
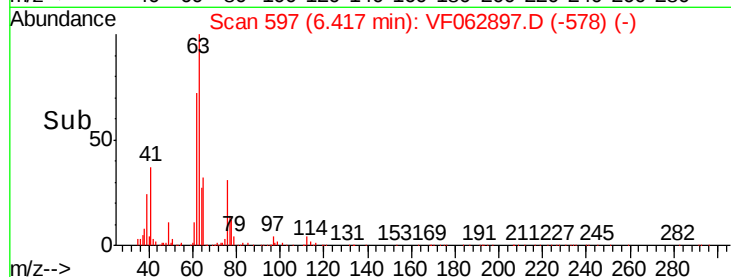
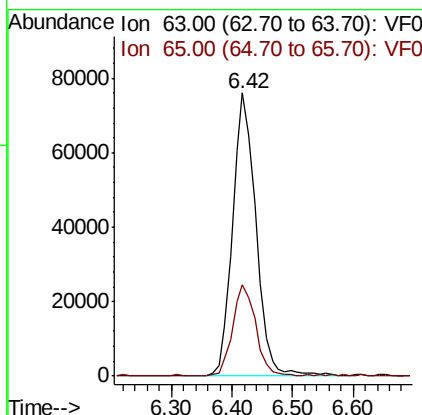
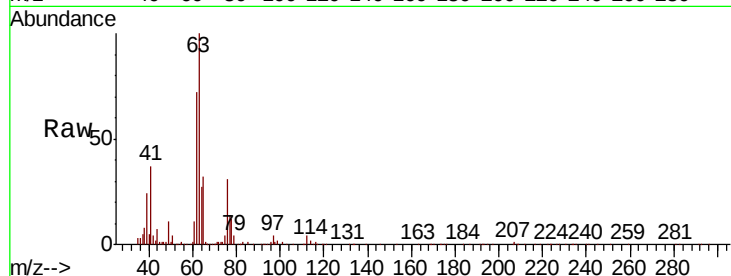




#45
 1,2-Dichloropropane
 Concen: 23.414 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

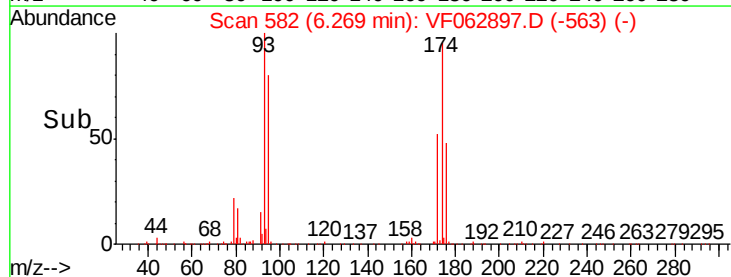
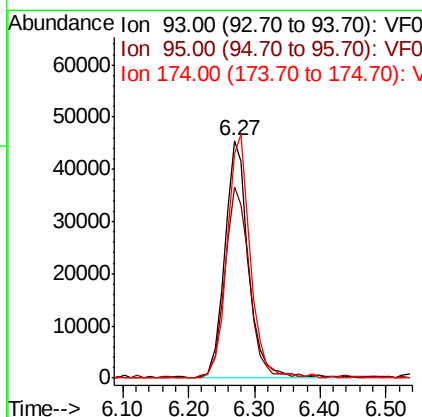
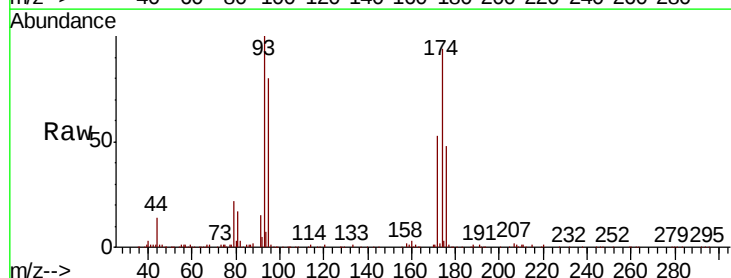
Instrument :
 MSVOA_F
 ClientSampleId :

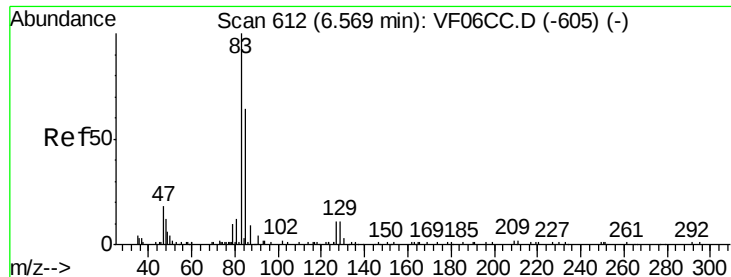
Tot Ion: 63 Resp: 205617
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.2



#46
 Dibromomethane
 Concen: 22.325 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion: 93 Resp: 114465
 Ion Ratio Lower Upper
 93 100
 95 80.2 67.9 101.9
 174 94.3 85.0 127.4





#47

Bromodichloromethane

Concen: 21.785 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

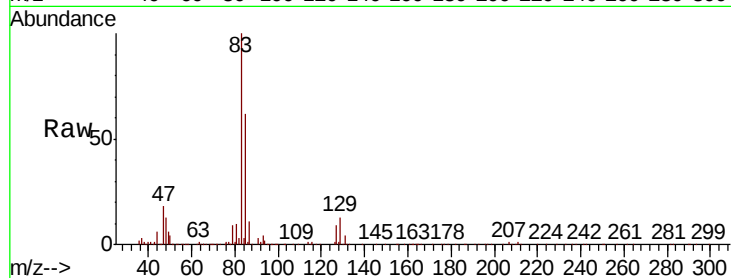
Tot Ion: 83 Resp: 227470

Ion Ratio Lower Upper

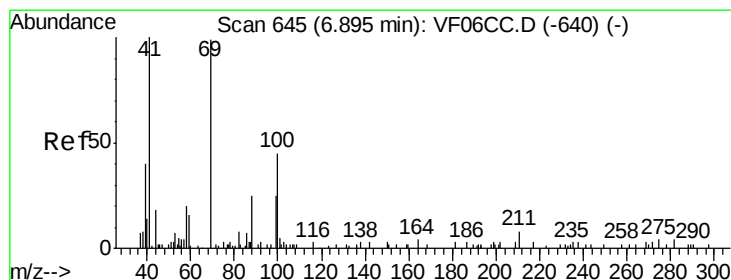
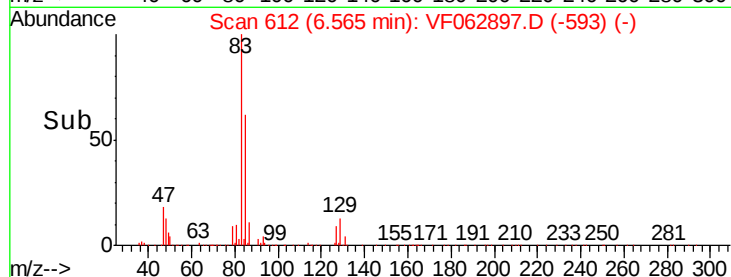
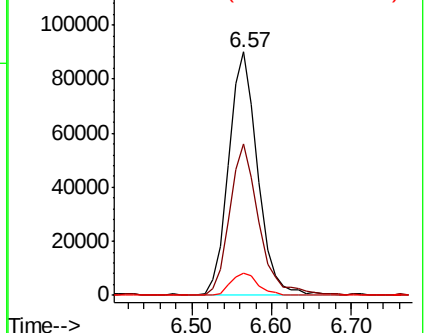
83 100

85 62.2 54.2 81.4

127 9.2 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: 19.721 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

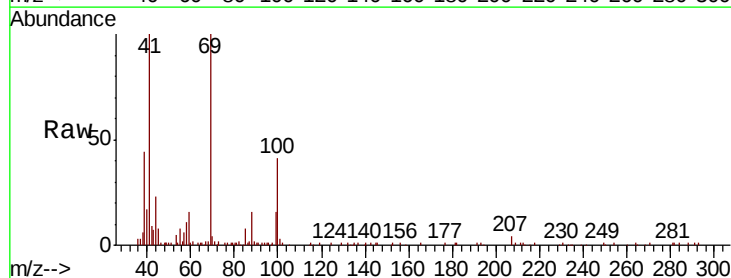
Tgt Ion: 41 Resp: 61711

Ion Ratio Lower Upper

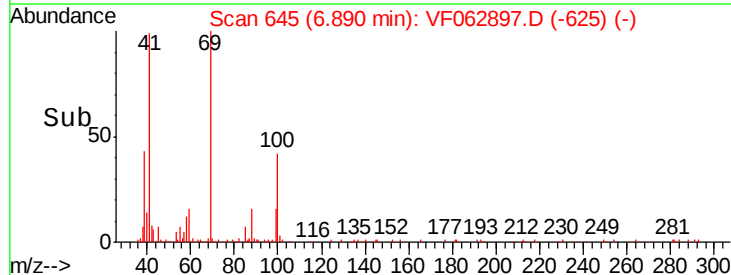
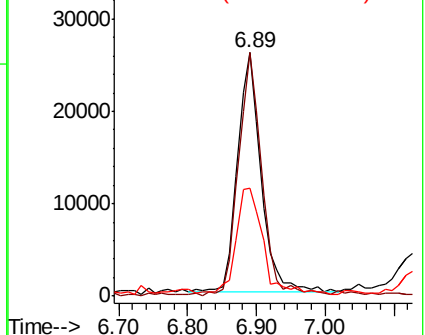
41 100

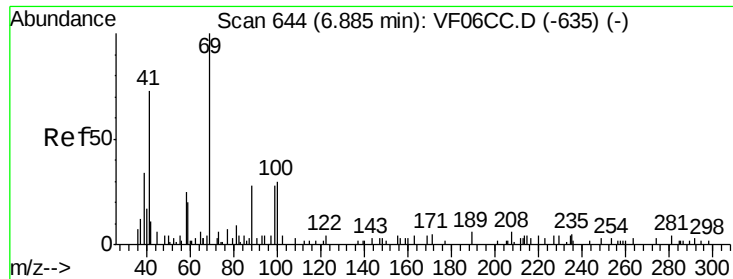
69 99.9 79.4 119.2

39 44.3 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: 392.009 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

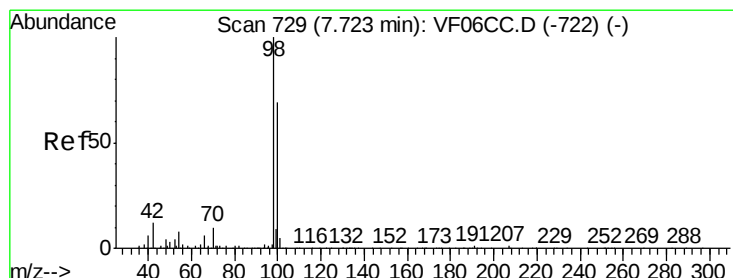
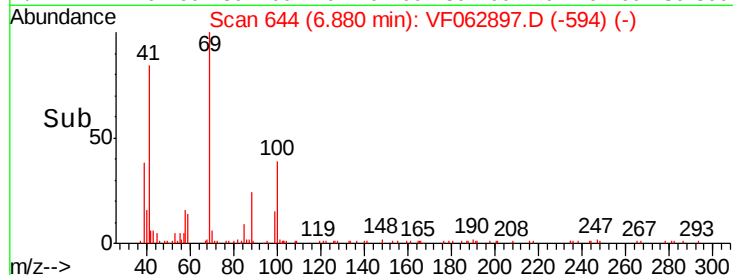
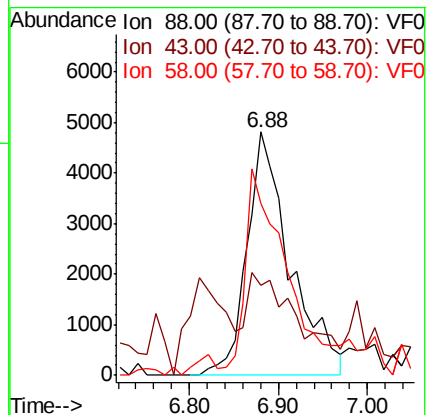
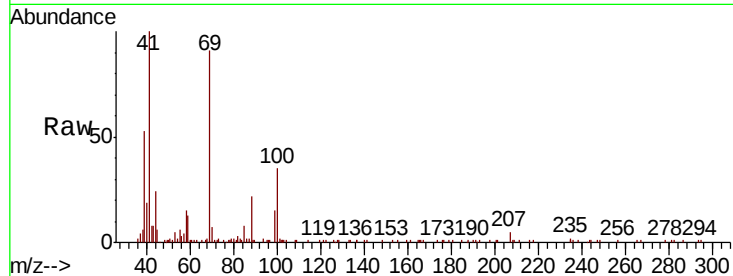
Tot Ion: 88 Resp: 16169

Ion Ratio Lower Upper

88 100

43 36.8 34.8 52.2

58 70.4 59.9 89.9



#50

Toluene-d8

Concen: 45.595 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.02 min

Lab File: VF062897.D

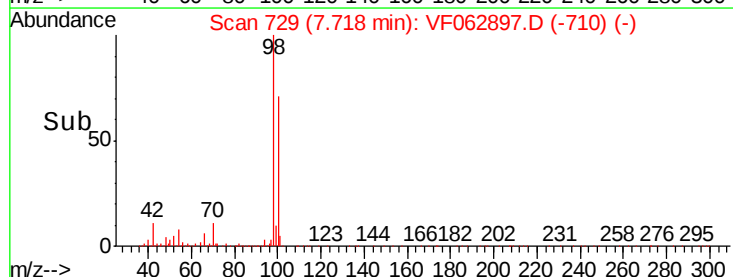
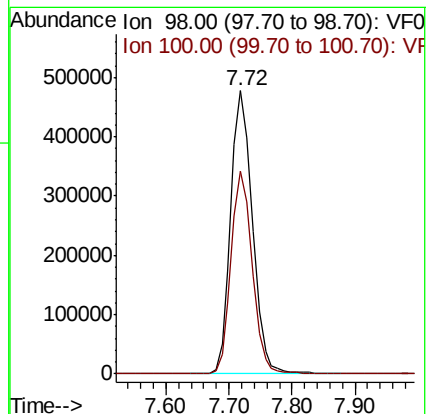
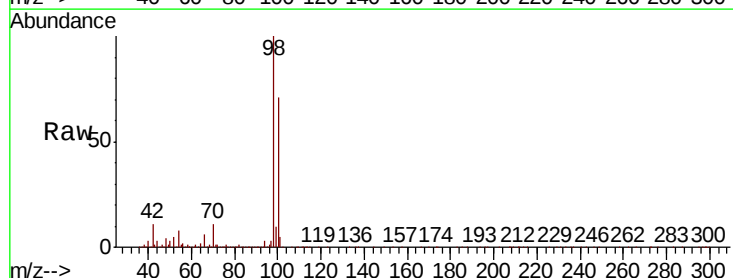
Acq: 7 Jun 2019 13:56

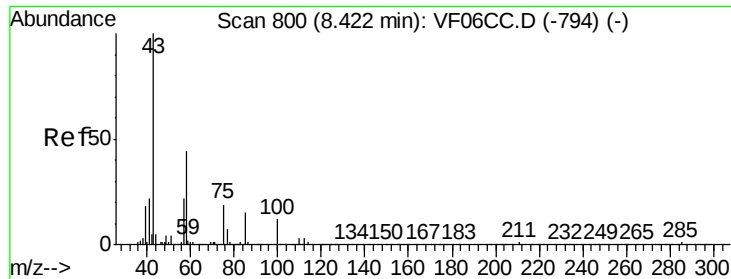
Tgt Ion: 98 Resp: 1137962

Ion Ratio Lower Upper

98 100

100 71.5 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 118.926 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

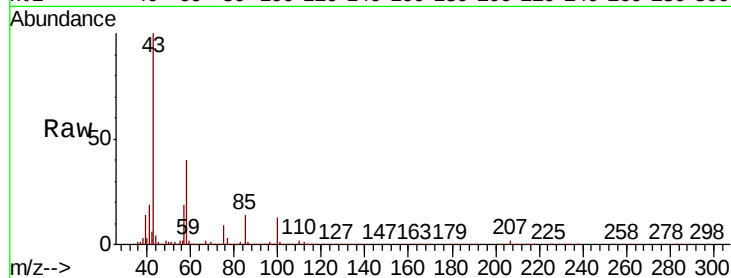
ClientSampled :

Tot Ion: 43 Resp: 515534

Ion Ratio Lower Upper

43 100

58 40.5 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

250000

200000

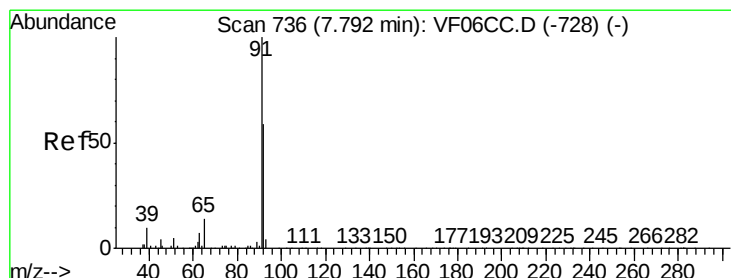
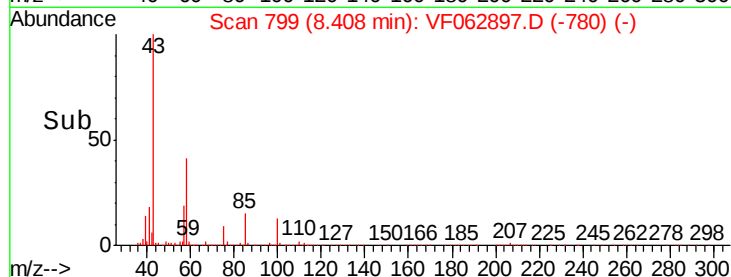
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.130 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062897.D

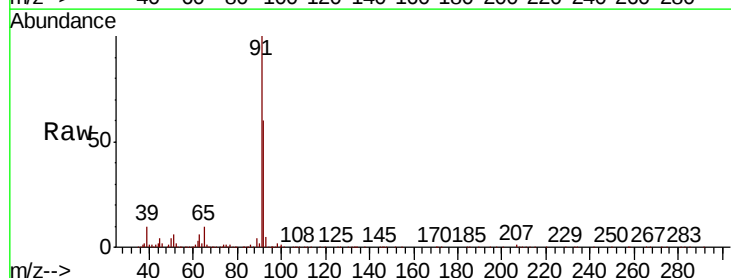
Acq: 7 Jun 2019 13:56

Tgt Ion: 92 Resp: 398263

Ion Ratio Lower Upper

92 100

91 167.9 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

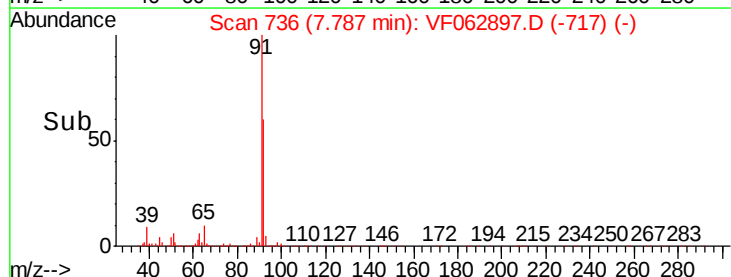
300000

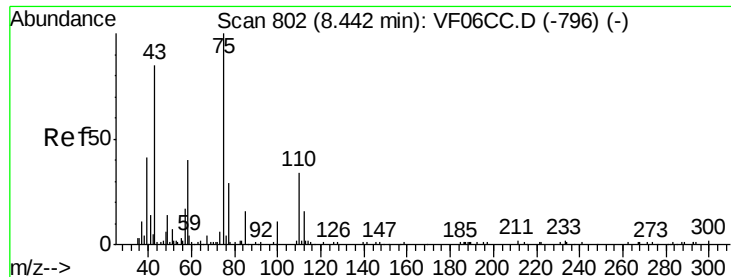
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.275 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

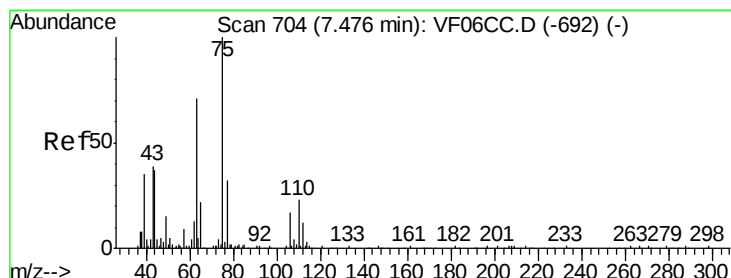
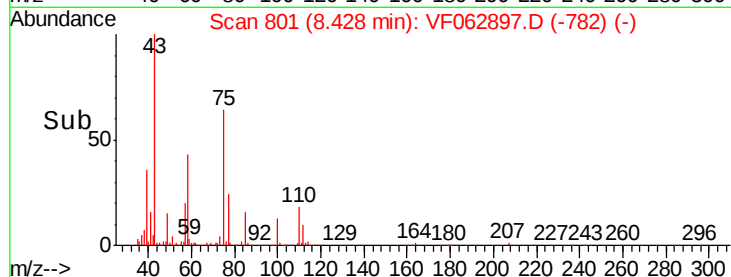
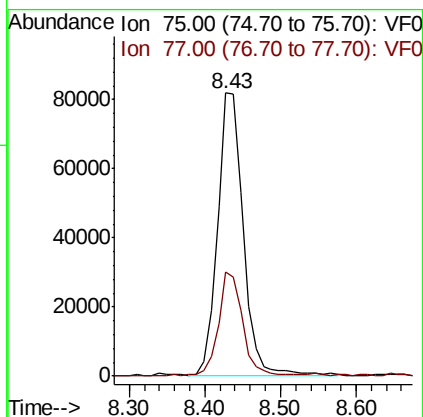
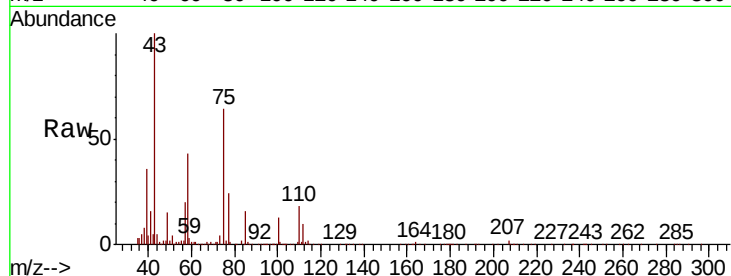
ClientSampleId :

Tot Ion: 75 Resp: 192735

Ion Ratio Lower Upper

75 100

77 36.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 21.533 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

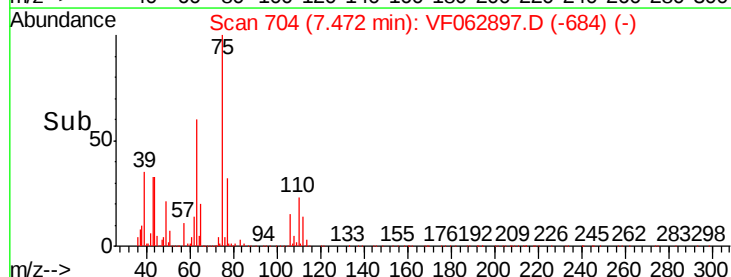
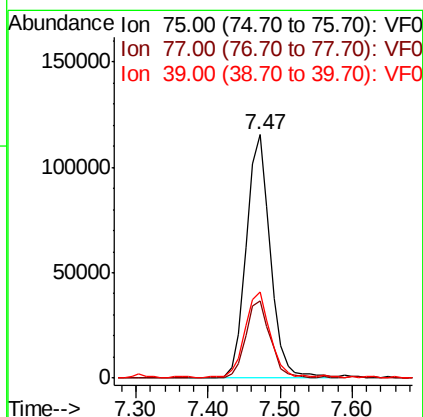
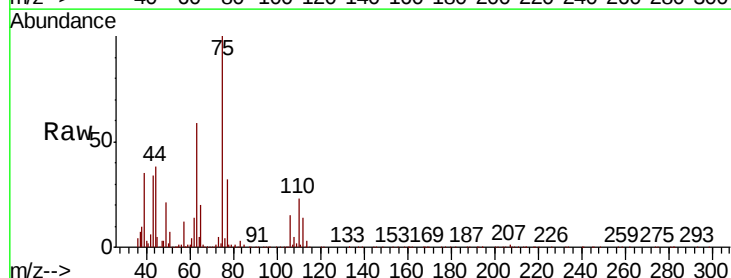
Tgt Ion: 75 Resp: 269691

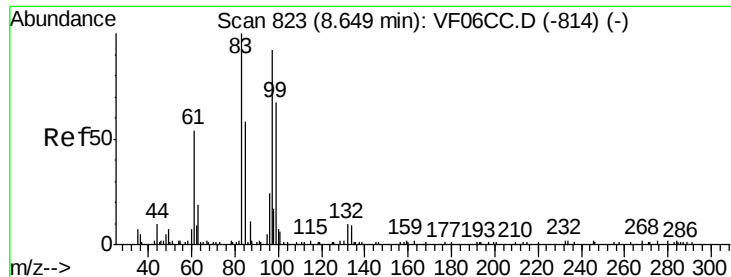
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 35.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 21.938 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 123532

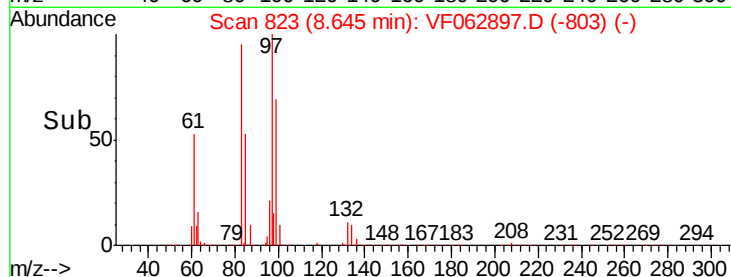
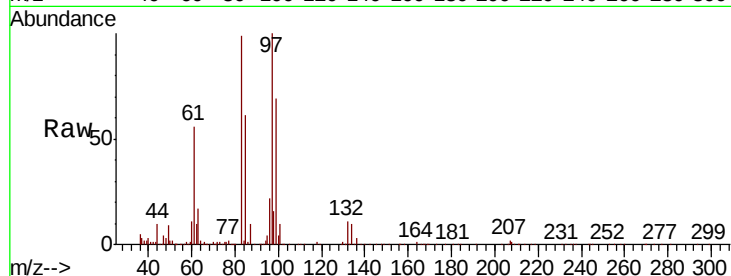
Ion	Ratio	Lower	Upper
97	100		
83	98.7	72.0	108.0
85	61.2	47.5	71.3
99	68.9	54.1	81.1

97 100

83 98.7 72.0 108.0

85 61.2 47.5 71.3

99 68.9 54.1 81.1

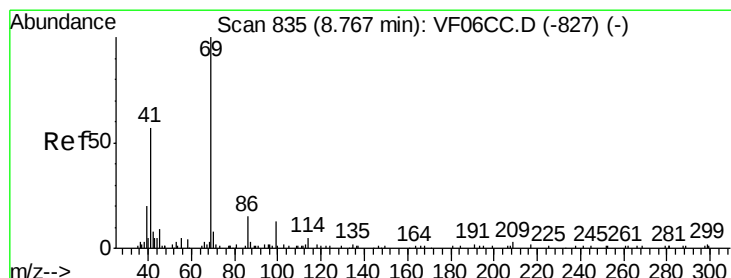
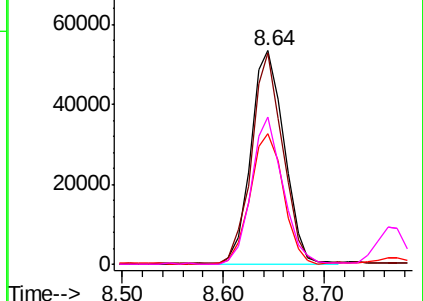


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.928 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

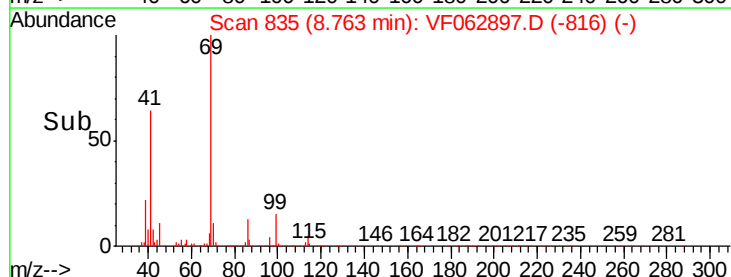
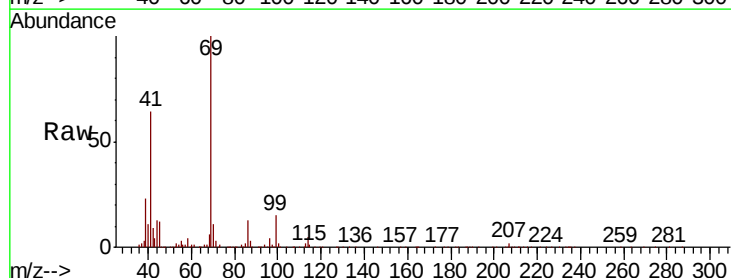
Tgt Ion: 69 Resp: 132484

Ion	Ratio	Lower	Upper
69	100		
41	64.2	46.6	69.8
39	23.1	19.6	29.4

69 100

41 64.2 46.6 69.8

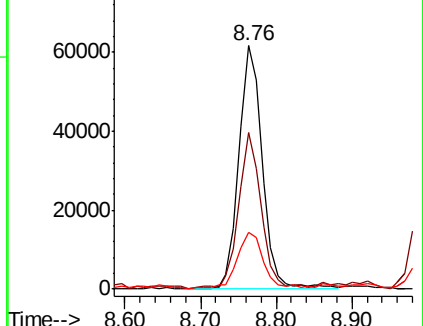
39 23.1 19.6 29.4

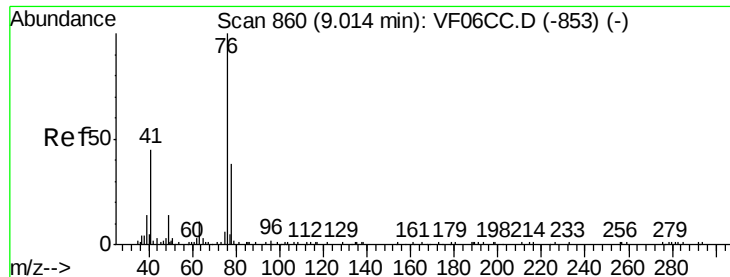


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.807 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

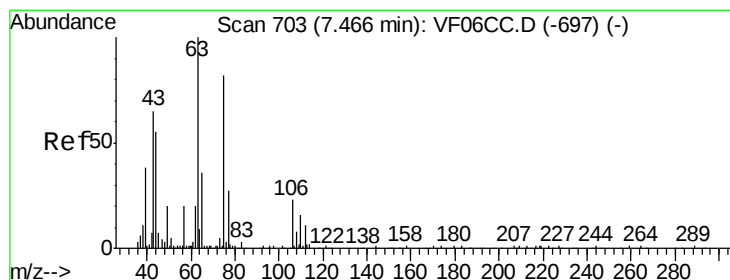
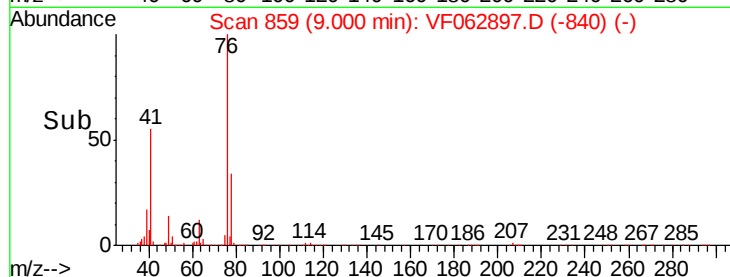
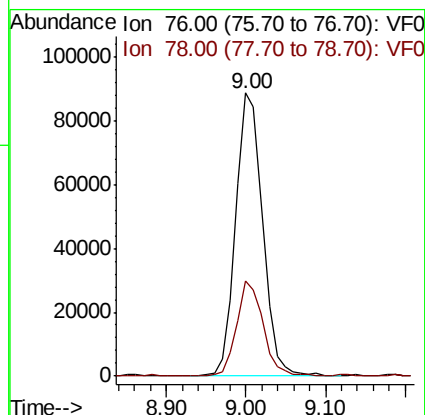
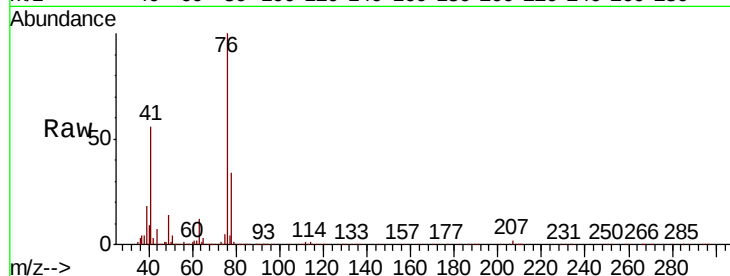
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 209715

Ion Ratio Lower Upper

76 100

78 33.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 111.822 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062897.D

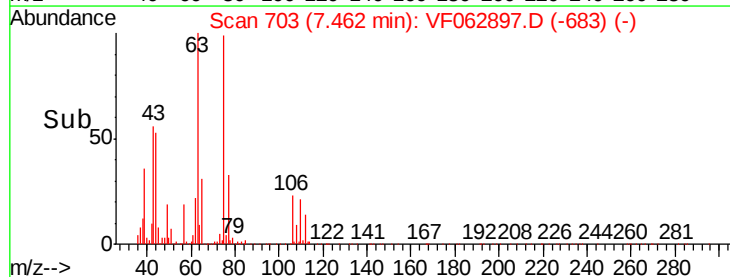
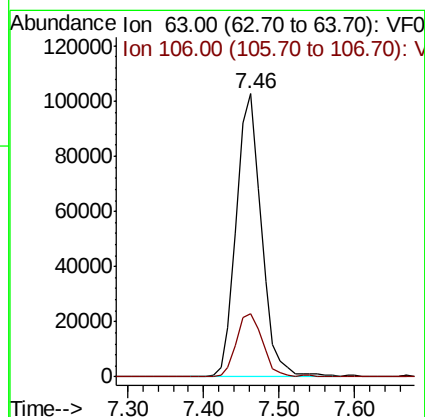
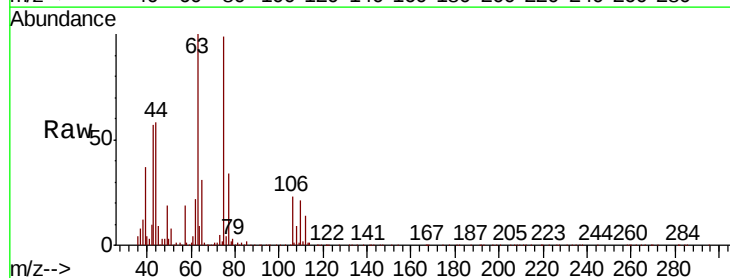
Acq: 7 Jun 2019 13:56

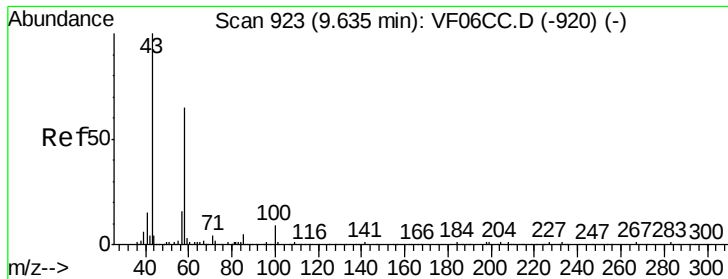
Tgt Ion: 63 Resp: 236116

Ion Ratio Lower Upper

63 100

106 22.5 19.5 29.3

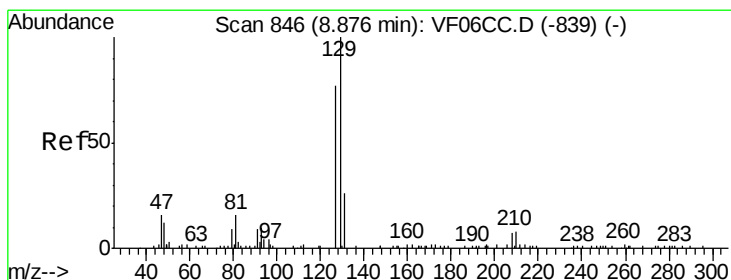
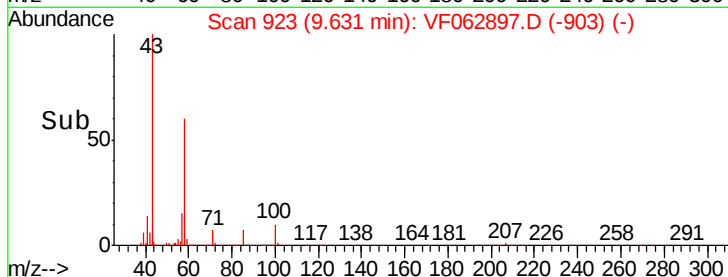
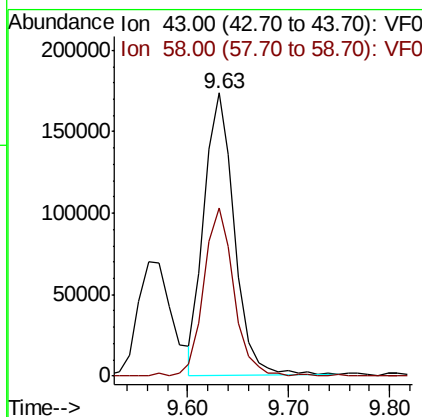
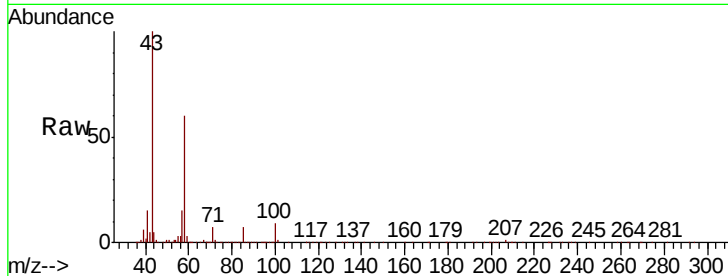




#59
2-Hexanone
Concen: 116.176 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

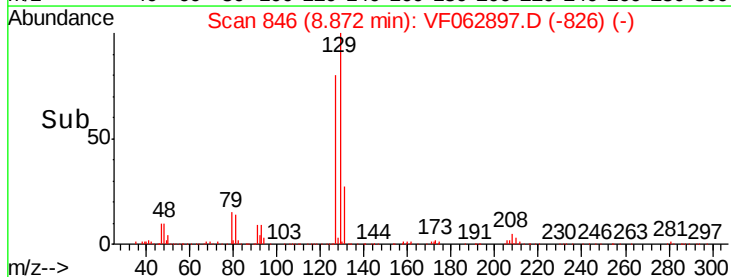
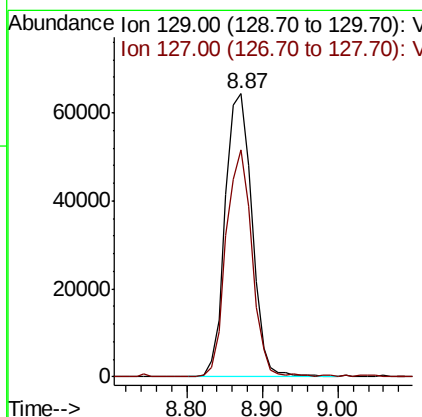
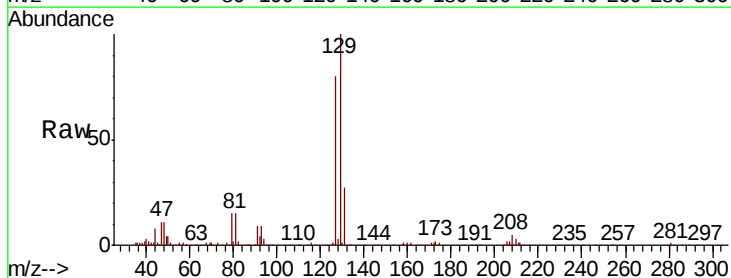
Instrument :
MSVOA_F
ClientSampleId :

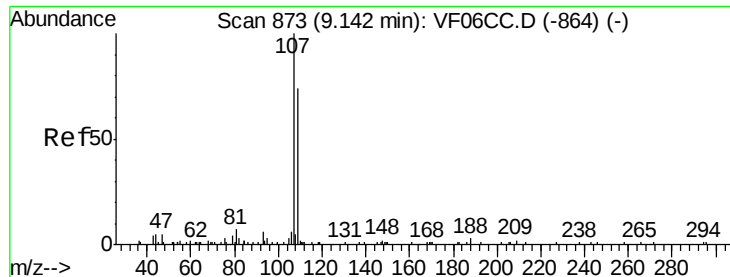
Tot Ion: 43 Resp: 358960
Ion Ratio Lower Upper
43 100
58 59.6 29.3 87.9



#60
Dibromochloromethane
Concen: 22.704 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion:129 Resp: 158281
Ion Ratio Lower Upper
129 100
127 82.7 37.1 111.3





#61

1,2-Dibromoethane

Concen: 22.732 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

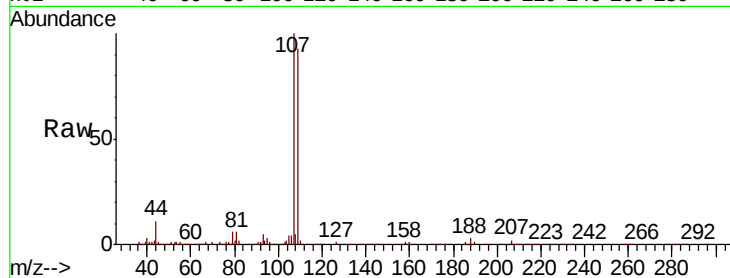
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 132937

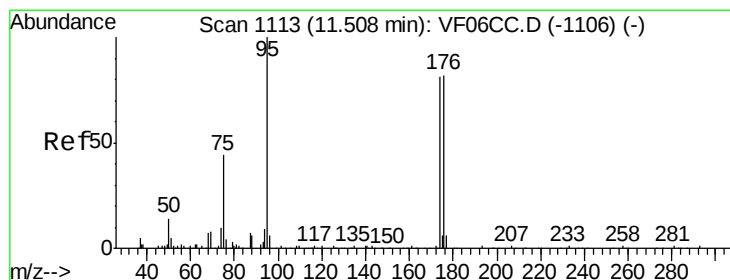
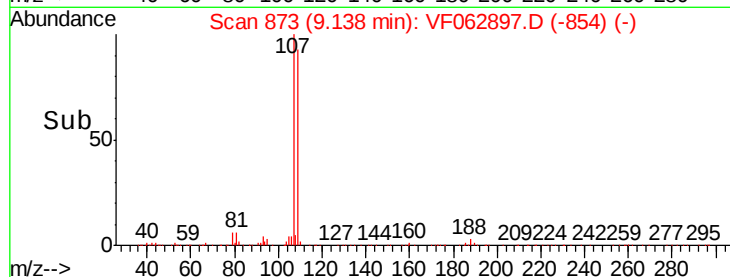
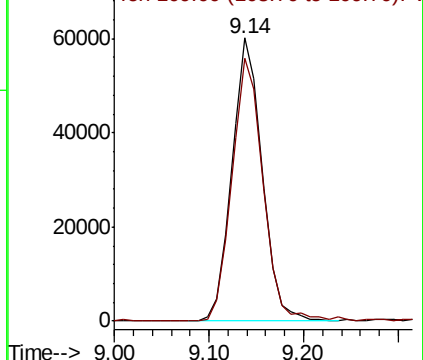
Ion Ratio Lower Upper

107 100

109 92.8 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 42.789 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

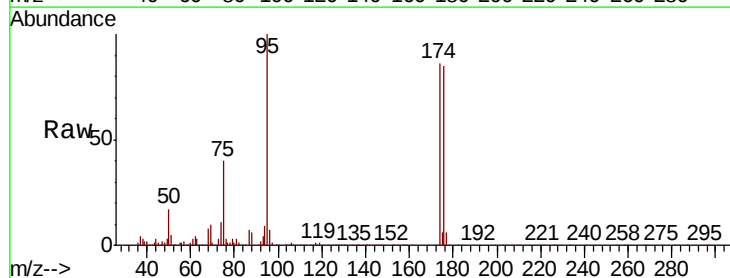
Tgt Ion: 95 Resp: 384151

Ion Ratio Lower Upper

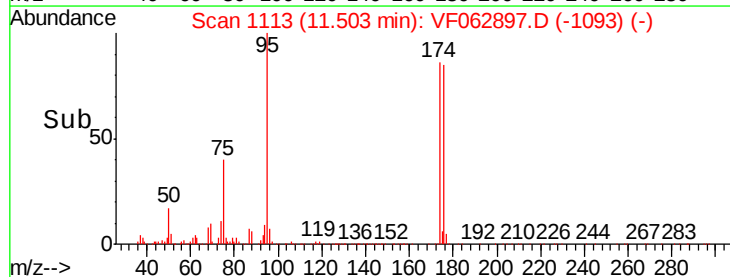
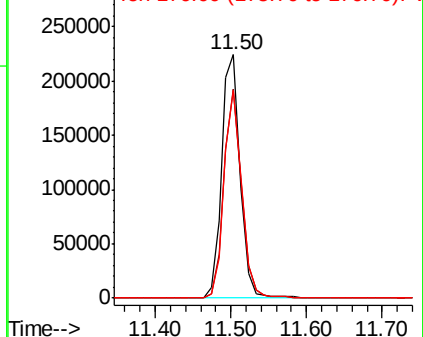
95 100

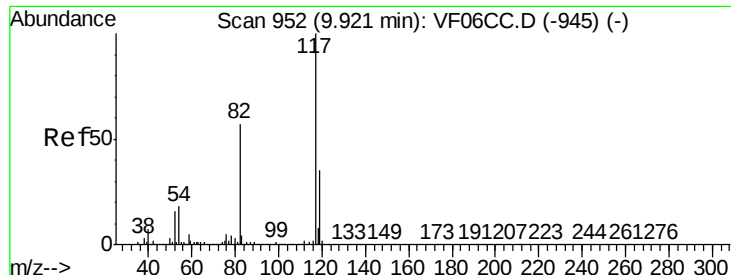
174 85.6 0.0 170.6

176 85.4 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

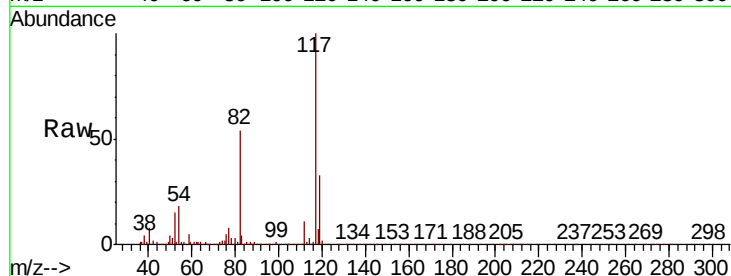




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.4	63.6
119	33.0	27.1	40.7

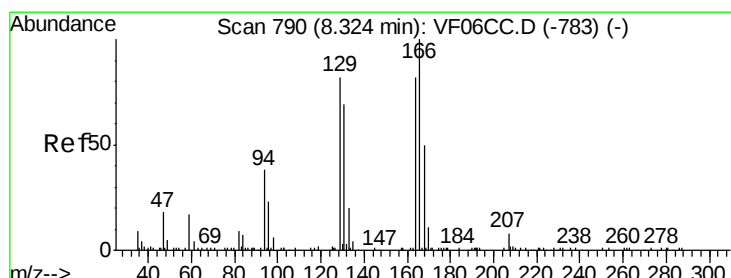
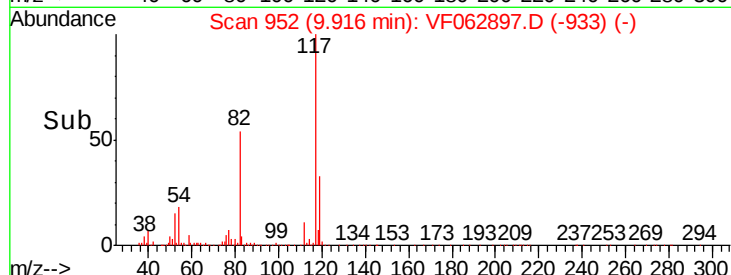
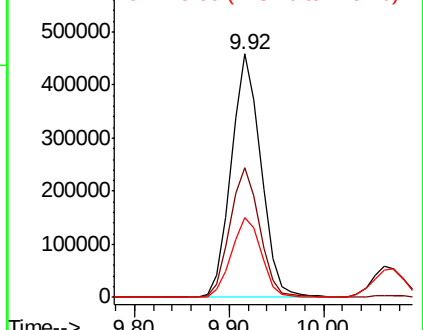


Abundance

Ion 117.00 (116.70 to 117.70): V

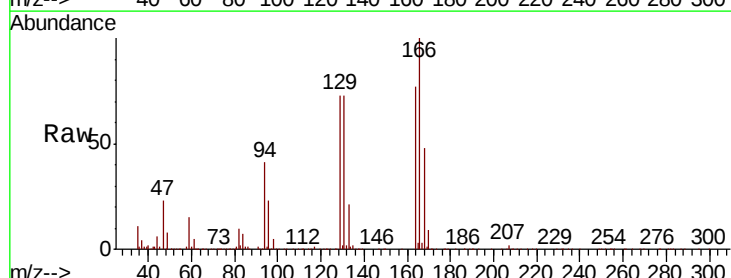
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.760 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	99.1	148.7
129	94.0	69.5	104.3
131	94.6	69.2	103.8



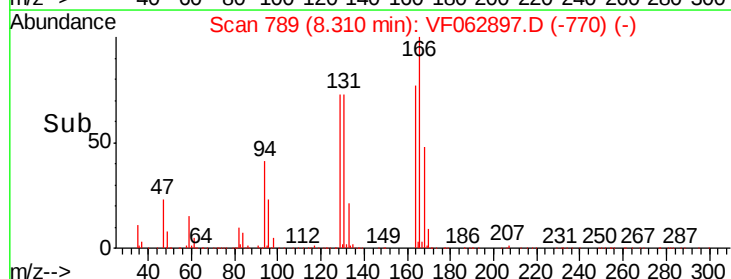
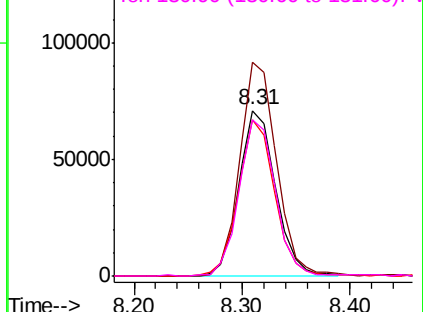
Abundance

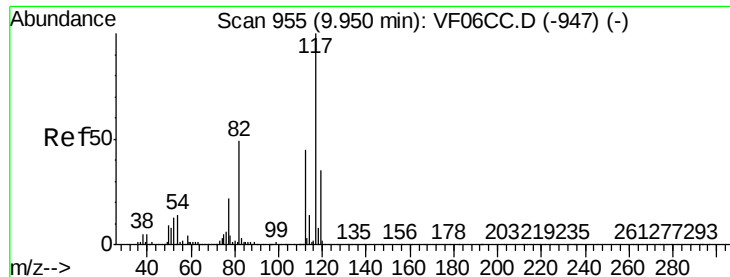
Ion 163.85 (163.55 to 164.55): V

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: 21.844 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

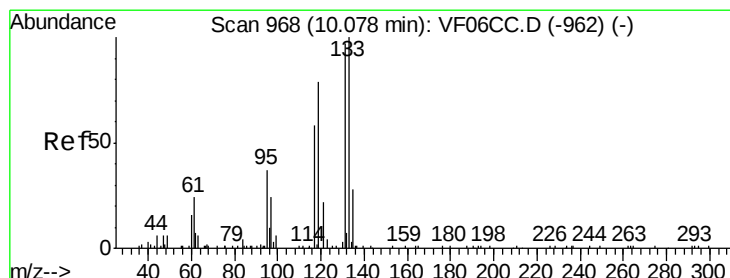
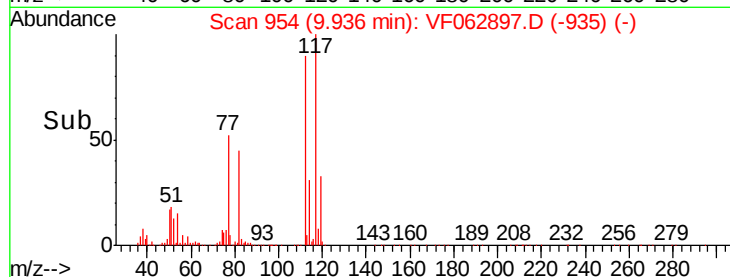
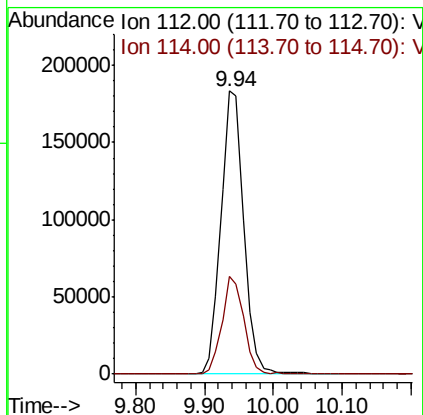
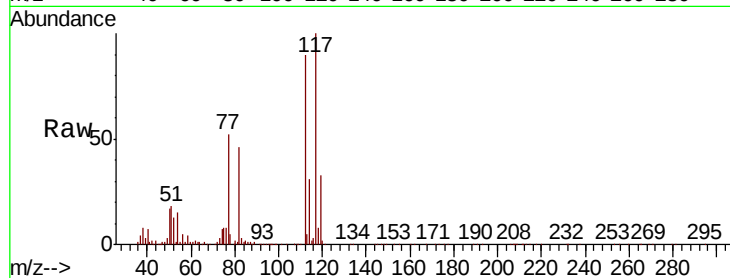
ClientSampleId :

Tot Ion:112 Resp: 421226

Ion Ratio Lower Upper

112 100

114 34.6 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.394 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

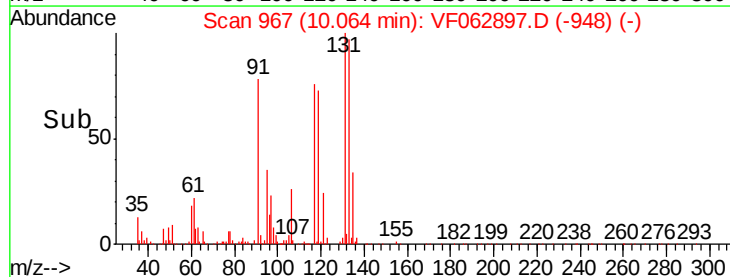
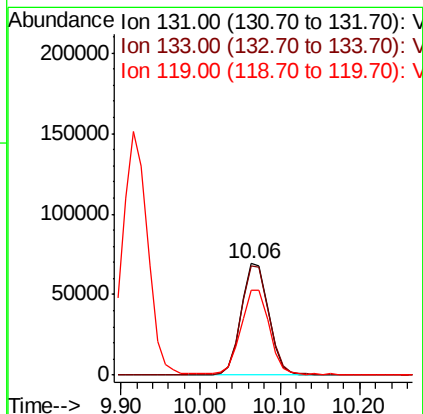
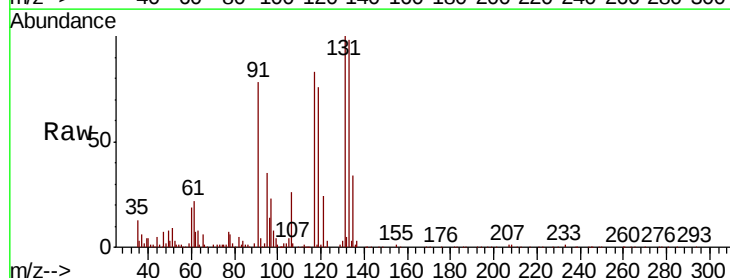
Tgt Ion:131 Resp: 164299

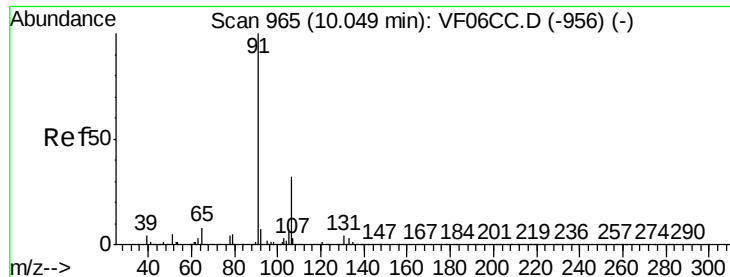
Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.7

119 75.7 38.0 114.0





#67

Ethyl Benzene

Concen: 22.494 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

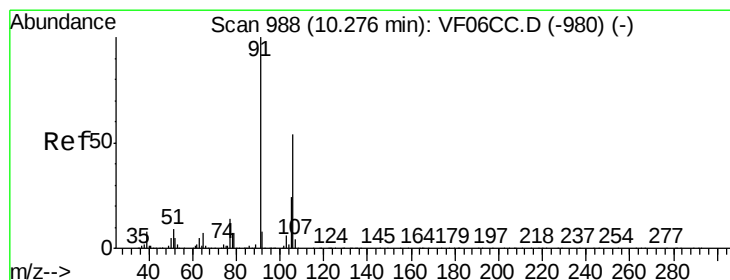
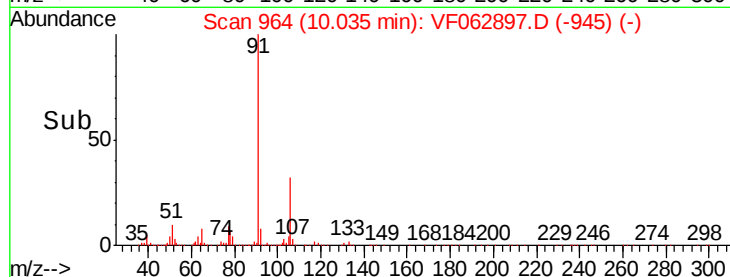
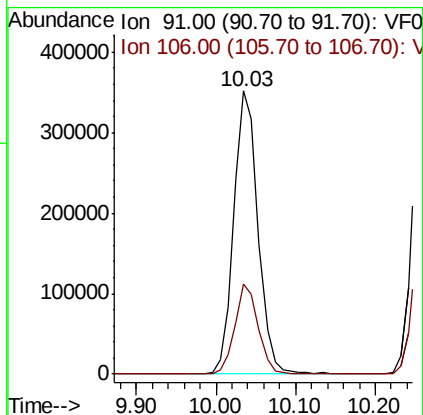
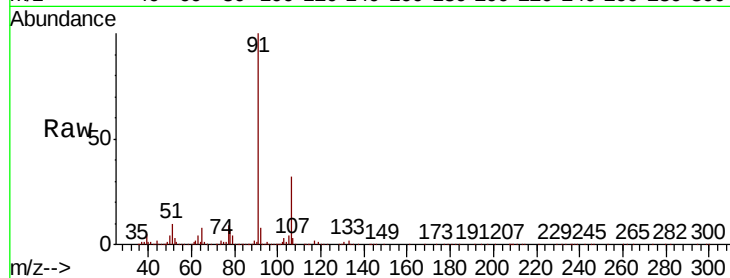
ClientSampleId :

Tot Ion: 91 Resp: 744352

Ion Ratio Lower Upper

91 100

106 31.7 26.0 39.0



#68

m/p-Xylenes

Concen: 42.562 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062897.D

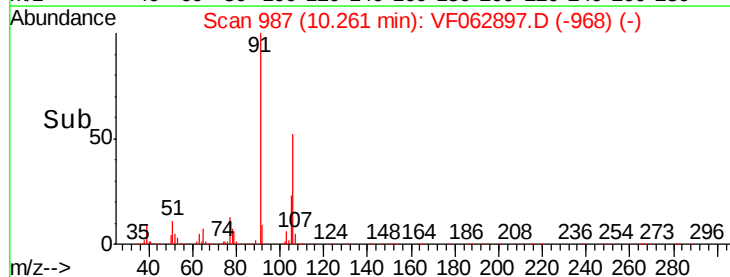
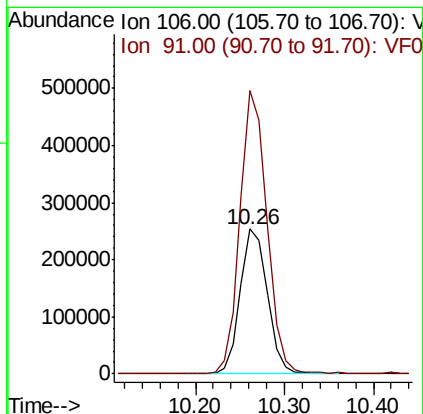
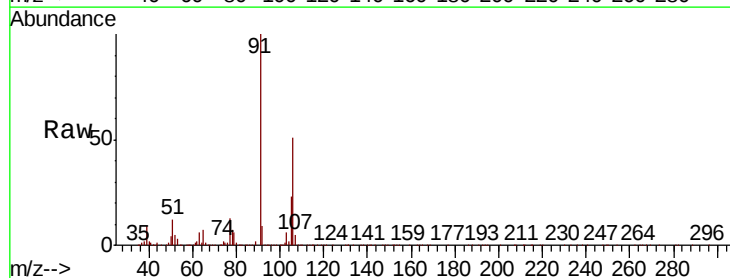
Acq: 7 Jun 2019 13:56

Tgt Ion: 106 Resp: 538945

Ion Ratio Lower Upper

106 100

91 195.8 136.2 204.4

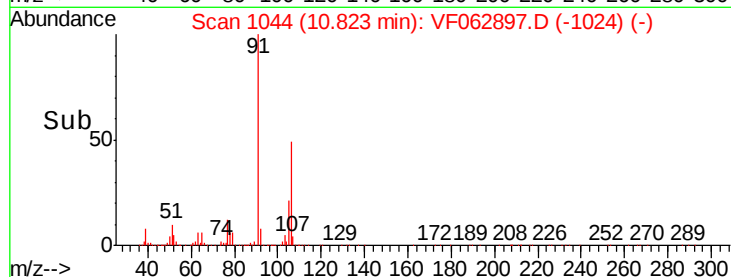
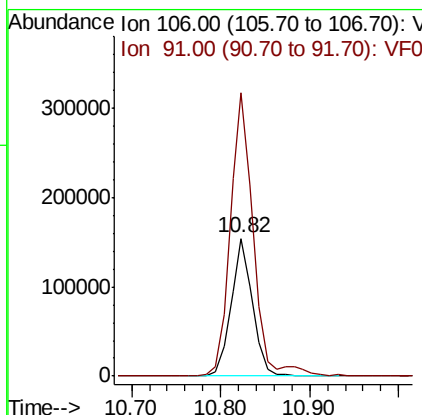
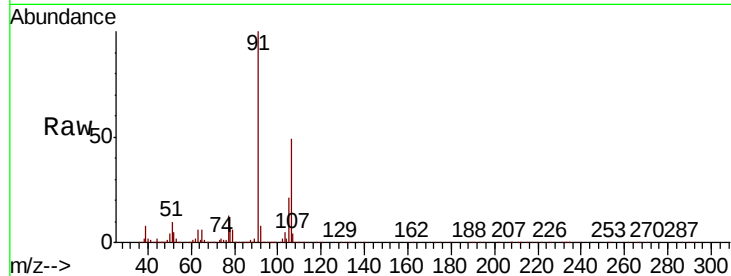




#69
o-Xylene
Concen: 20.370 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

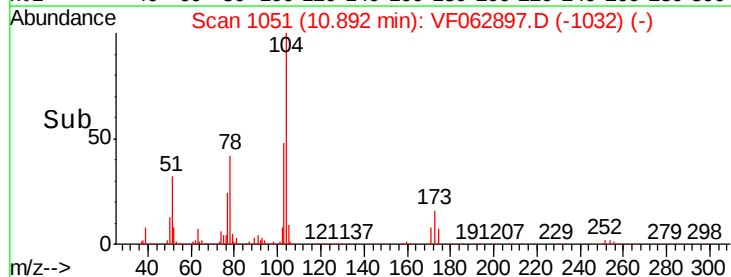
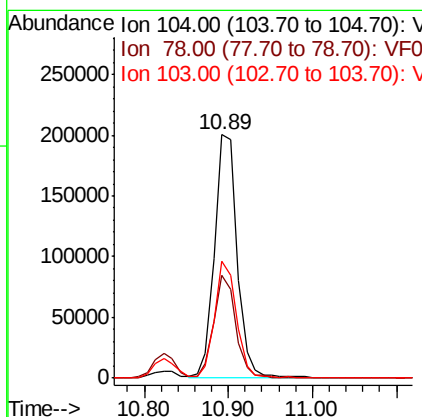
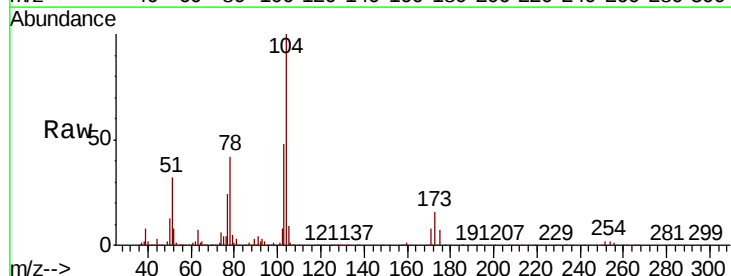
Instrument :
MSVOA_F
ClientSampleId :

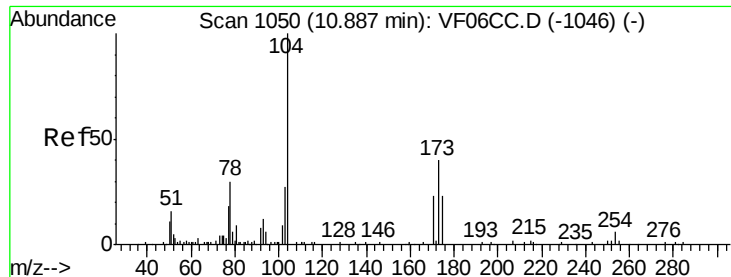
Tot Ion:106 Resp: 261156
Ion Ratio Lower Upper
106 100
91 205.6 96.6 289.8



#70
Styrene
Concen: 19.857 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion:104 Resp: 375226
Ion Ratio Lower Upper
104 100
78 42.4 30.8 46.2
103 48.3 35.8 53.6





#71

Bromoform

Concen: 19.993 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampled :

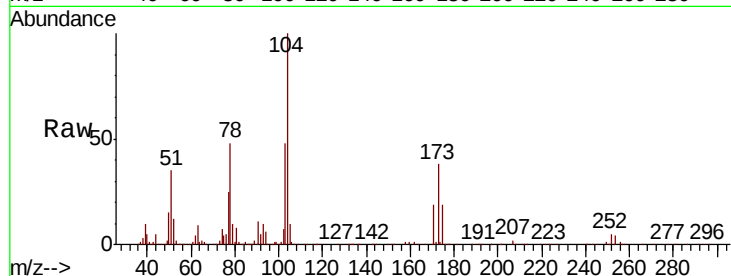
Tot Ion:173 Resp: 73655

Ion Ratio Lower Upper

173 100

175 48.8 24.6 74.0

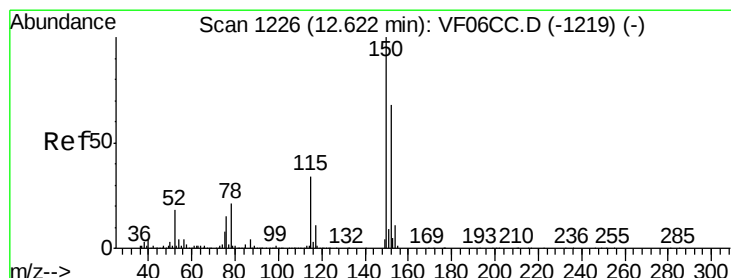
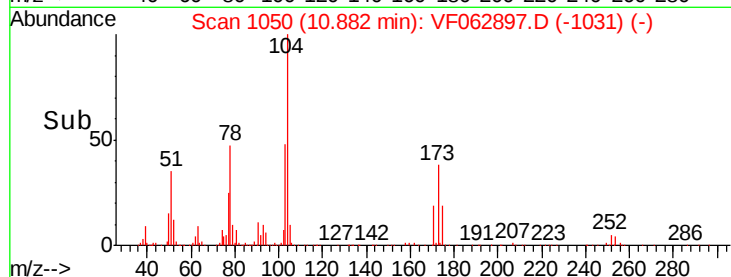
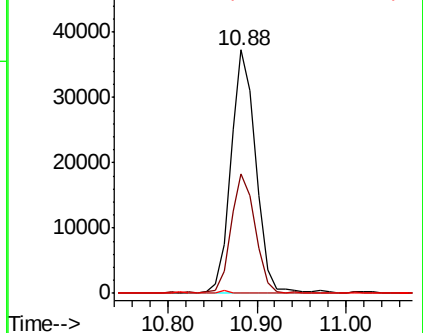
254 0.0 0.1 0.1#



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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

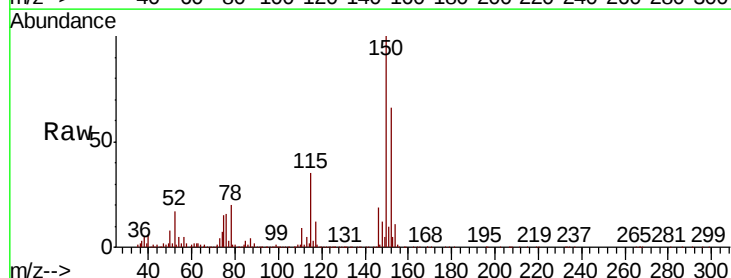
Tgt Ion:152 Resp: 457733

Ion Ratio Lower Upper

152 100

115 52.1 24.6 74.0

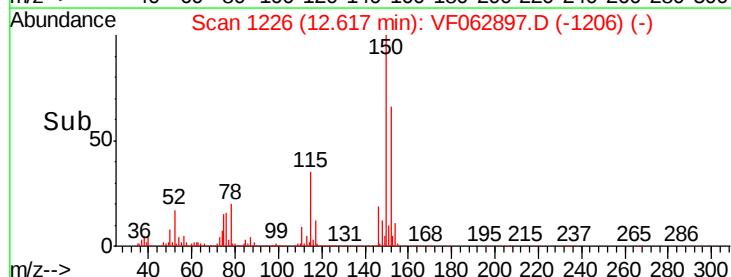
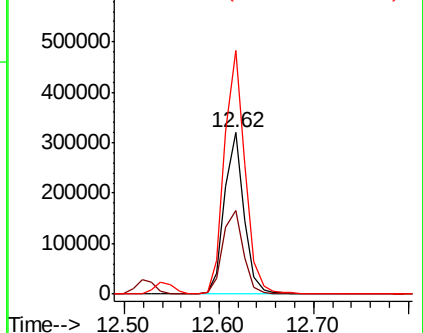
150 150.7 0.0 290.6

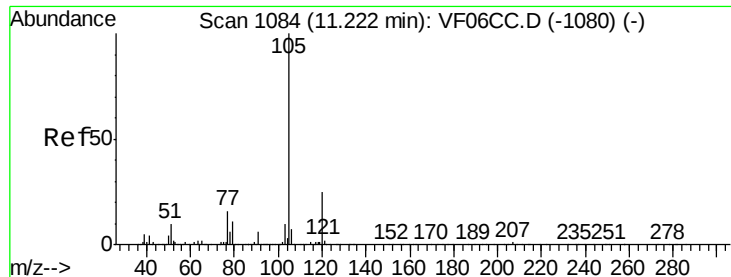


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.893 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

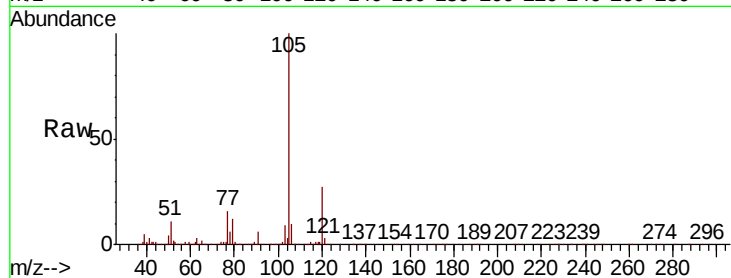
ClientSampleId :

Tot Ion:105 Resp: 731170

Ion Ratio Lower Upper

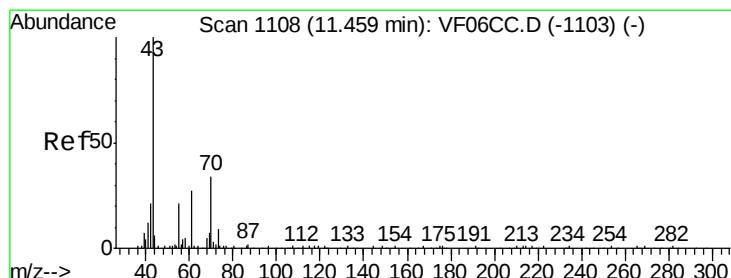
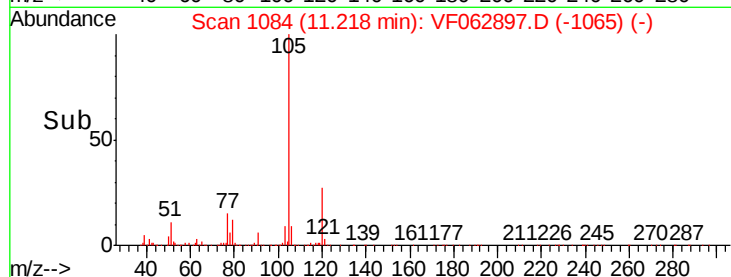
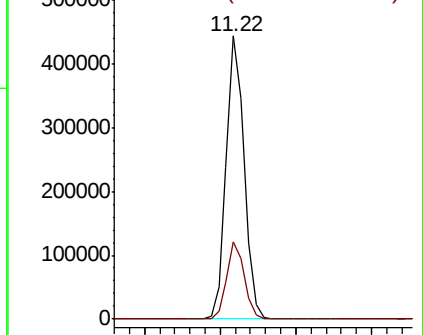
105 100

120 27.4 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.639 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion: 43 Resp: 212792

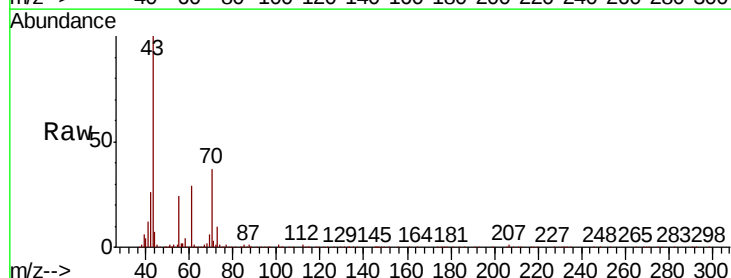
Ion Ratio Lower Upper

43 100

70 37.3 32.9 49.3

55 23.8 17.3 25.9

61 28.7 23.7 35.5

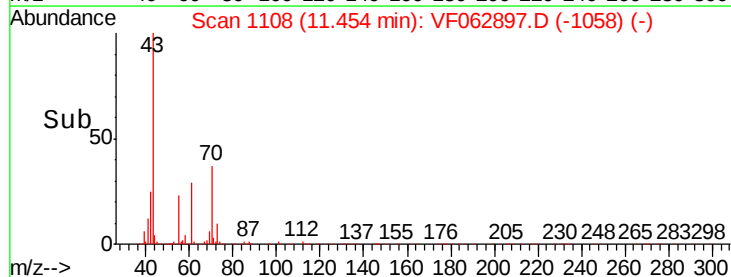
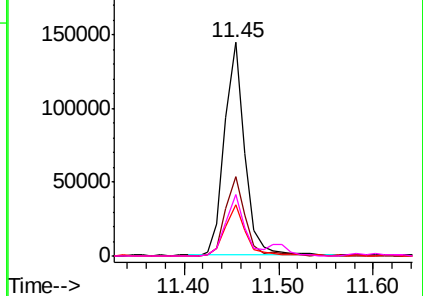


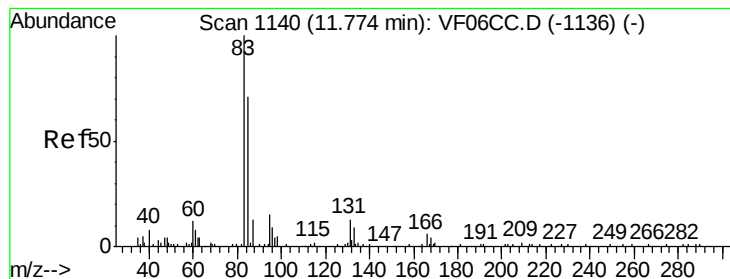
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.384 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

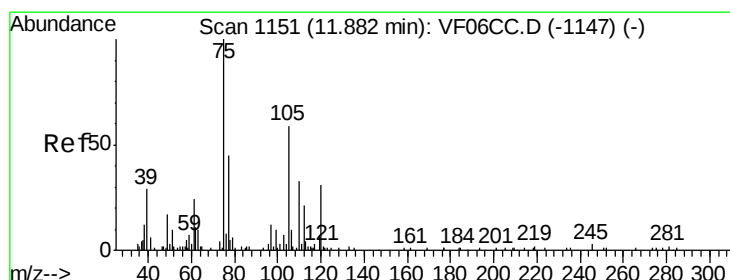
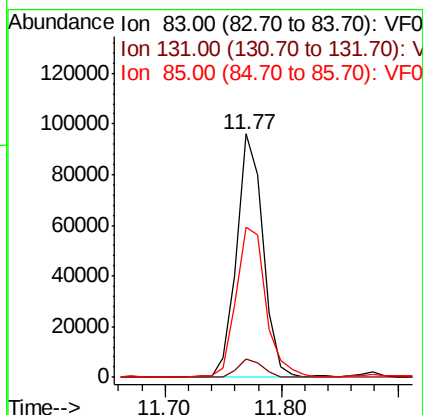
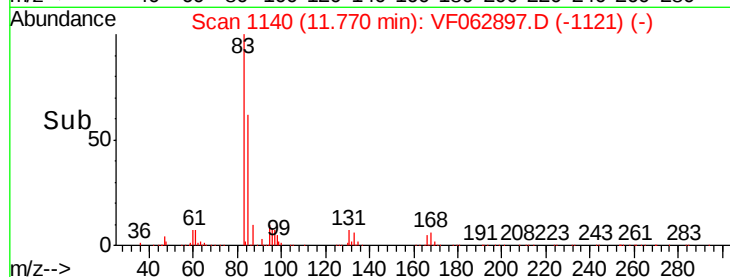
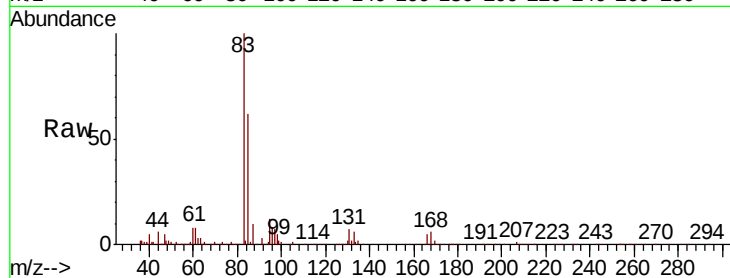
Tot Ion: 83 Resp: 152674

Ion Ratio Lower Upper

83 100

131 7.4 4.9 14.7

85 61.6 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 22.029 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062897.D

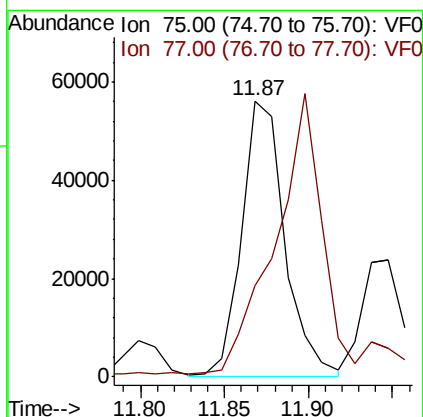
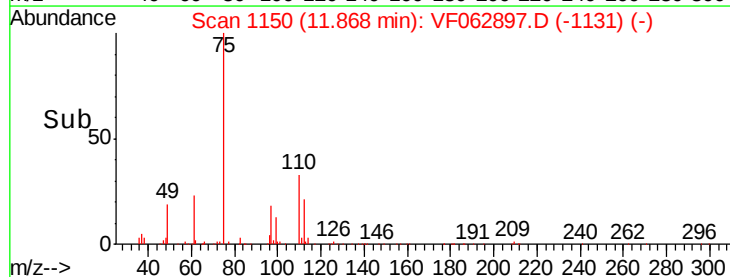
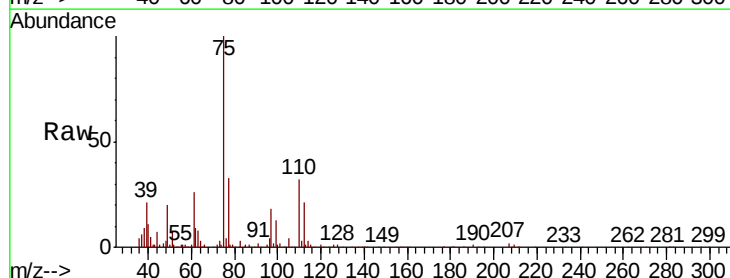
Acq: 7 Jun 2019 13:56

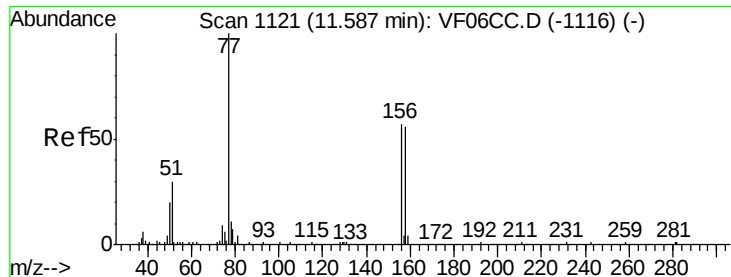
Tgt Ion: 75 Resp: 99593

Ion Ratio Lower Upper

75 100

77 33.2 20.1 60.2





#77

Bromobenzene

Concen: 20.570 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

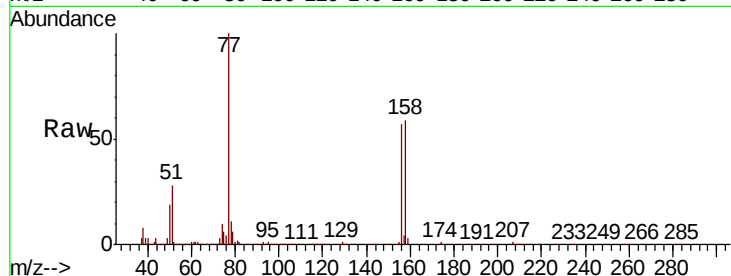
Tot Ion:156 Resp: 165075

Ion Ratio Lower Upper

156 100

77 174.0 64.2 192.6

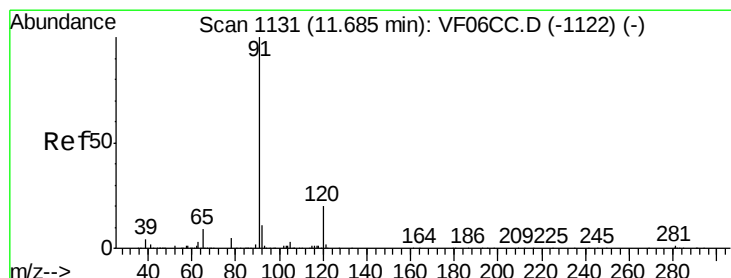
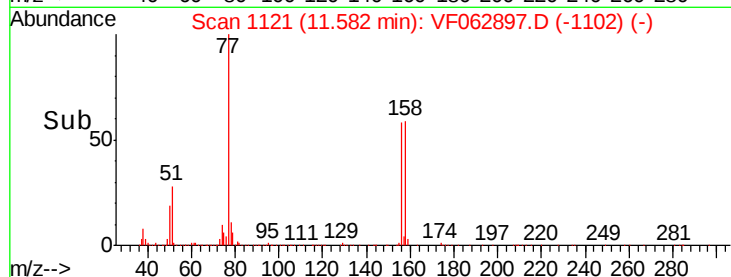
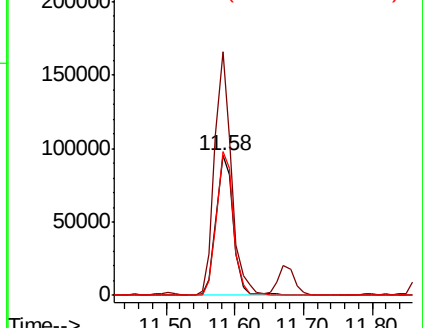
158 102.5 50.3 151.0



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: 22.640 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062897.D

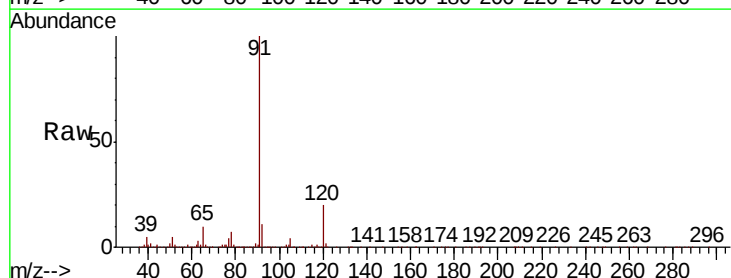
Acq: 7 Jun 2019 13:56

Tgt Ion: 91 Resp: 873079

Ion Ratio Lower Upper

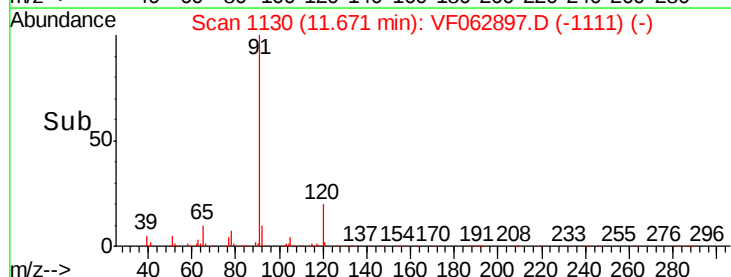
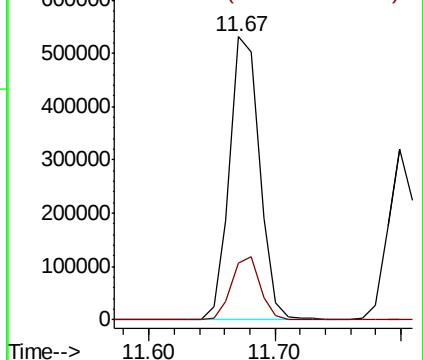
91 100

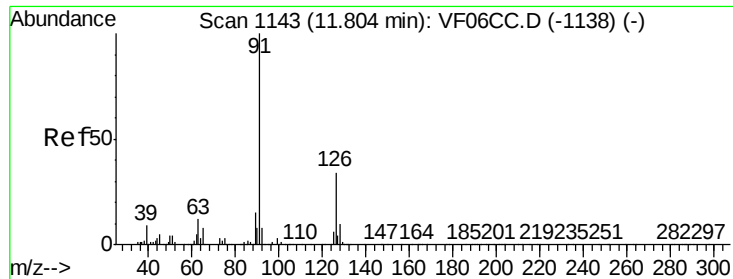
120 20.3 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

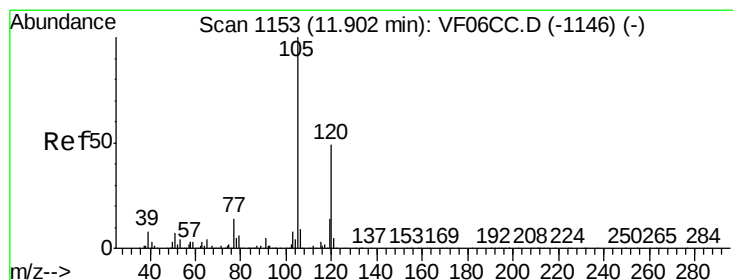
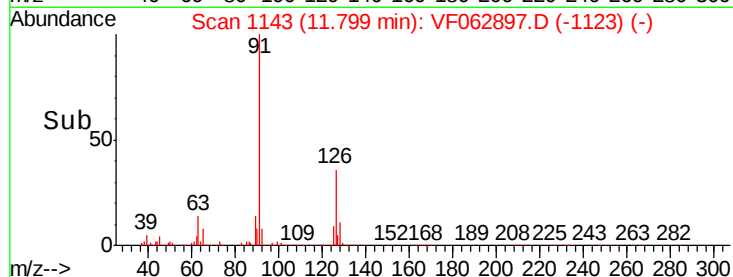
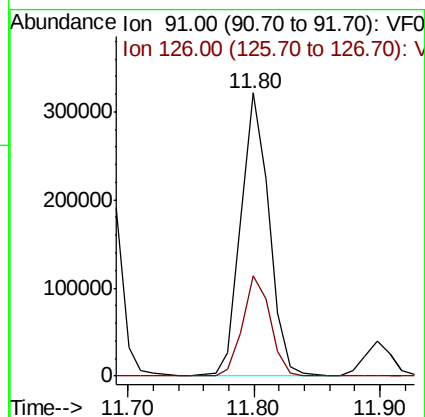
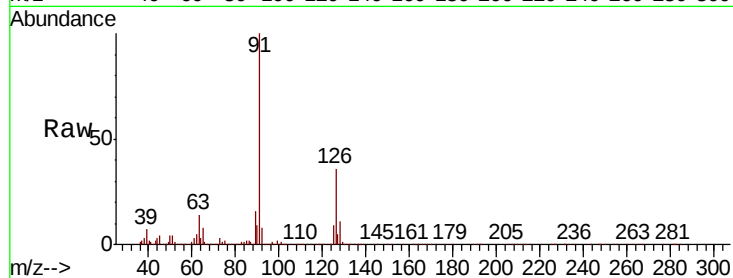




#79
2-Chlorotoluene
Concen: 22.264 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

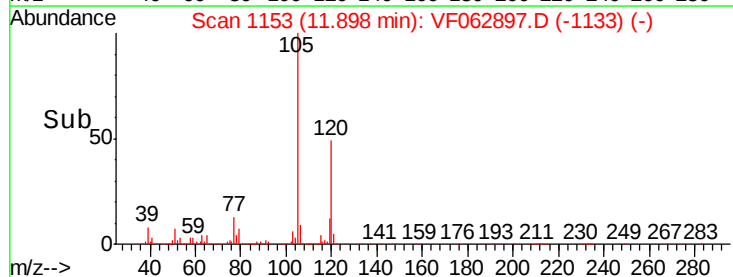
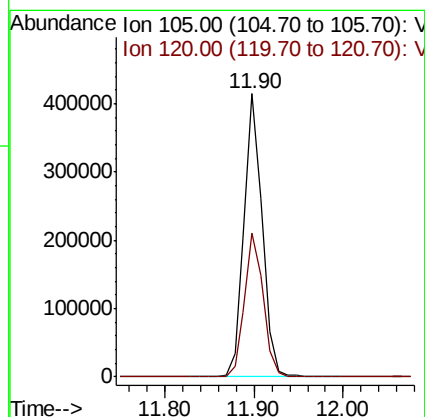
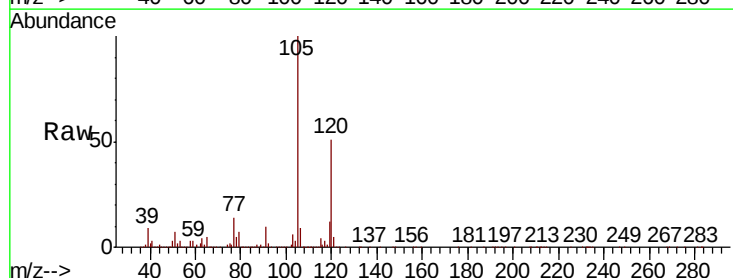
Instrument :
MSVOA_F
ClientSampleId :

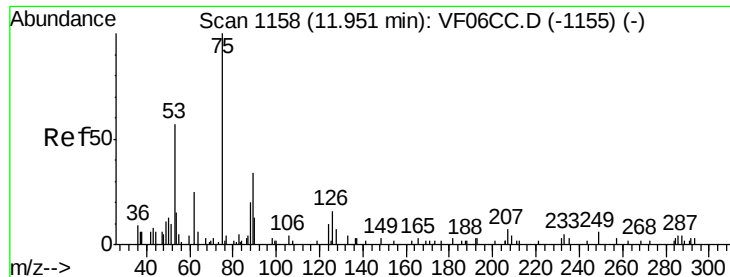
Tot Ion: 91 Resp: 491285
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 22.607 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 105 Resp: 590491
Ion Ratio Lower Upper
105 100
120 51.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 28.094 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

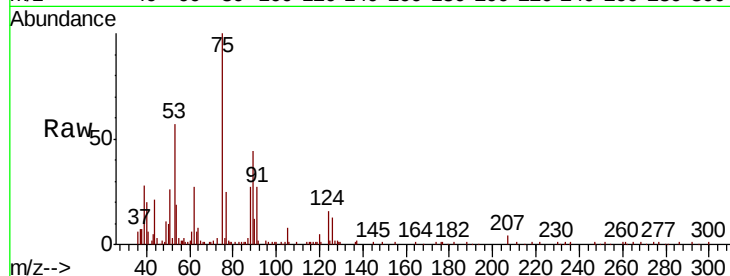
Tot Ion: 75 Resp: 53775

Ion Ratio Lower Upper

75 100

53 56.5 43.5 65.3

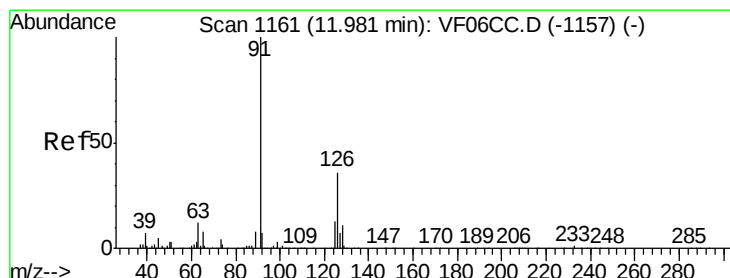
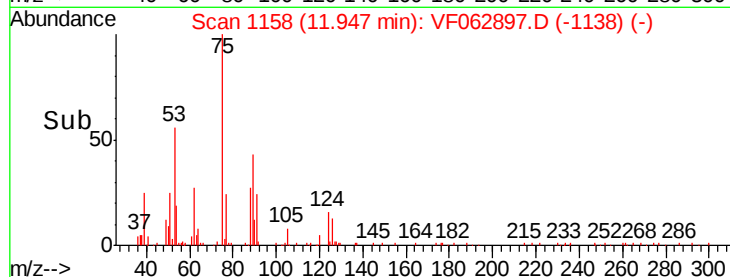
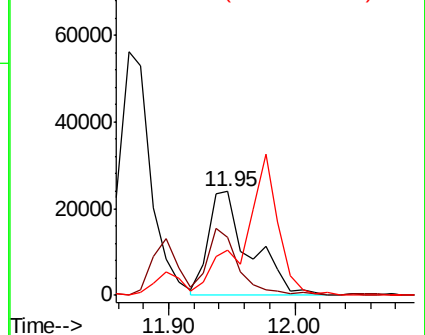
89 43.6 34.3 51.5



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: 22.150 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062897.D

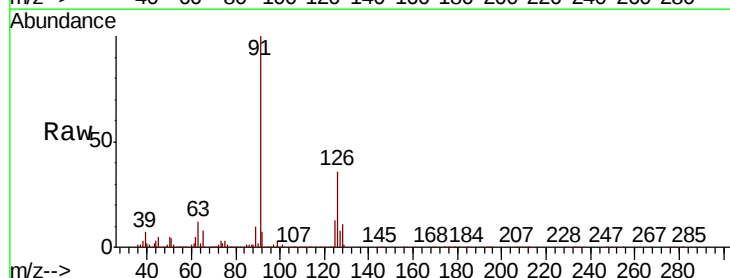
Acq: 7 Jun 2019 13:56

Tgt Ion: 91 Resp: 480326

Ion Ratio Lower Upper

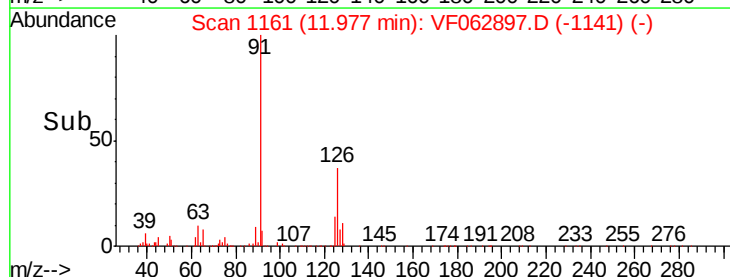
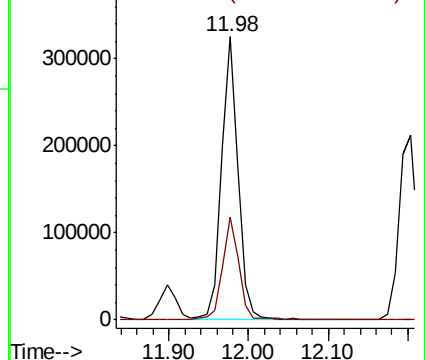
91 100

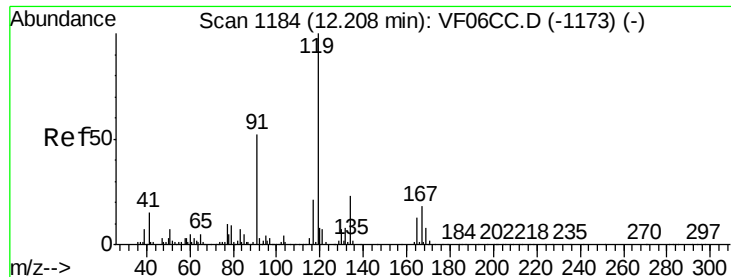
126 36.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

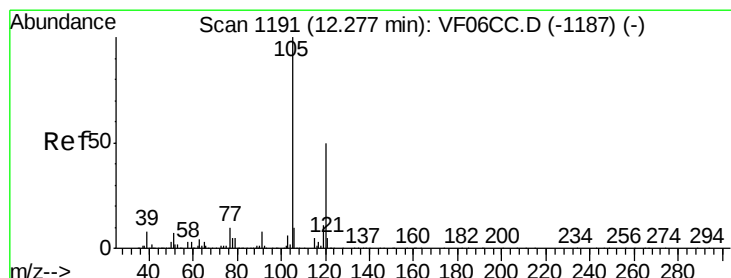
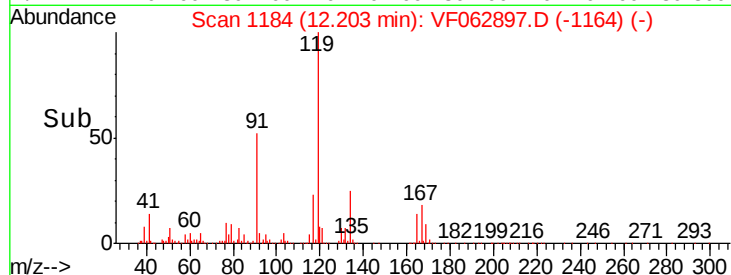
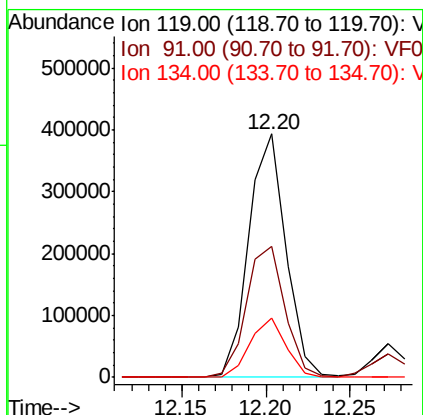
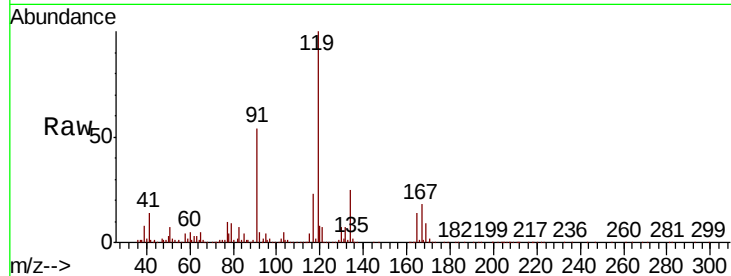




#83
tert-Butylbenzene
Concen: 23.378 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

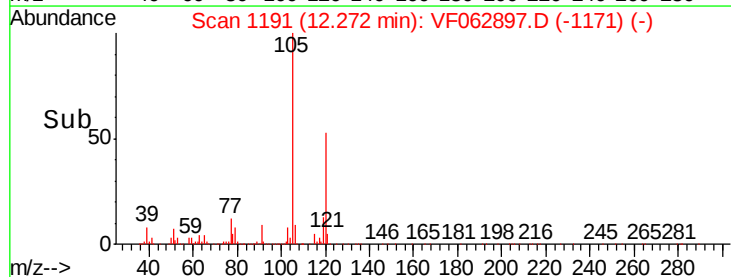
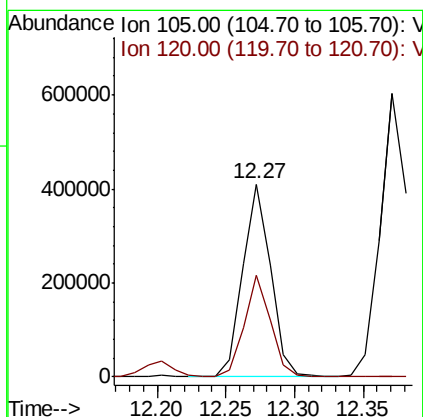
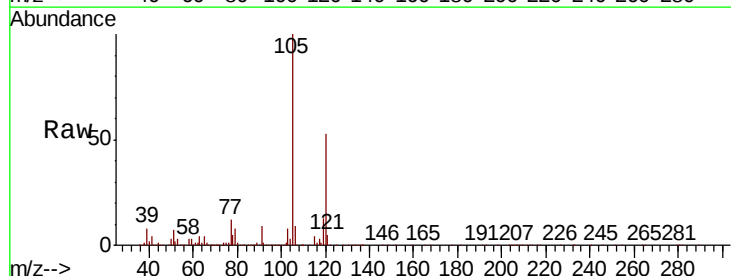
Instrument :
MSVOA_F
ClientSampleId :

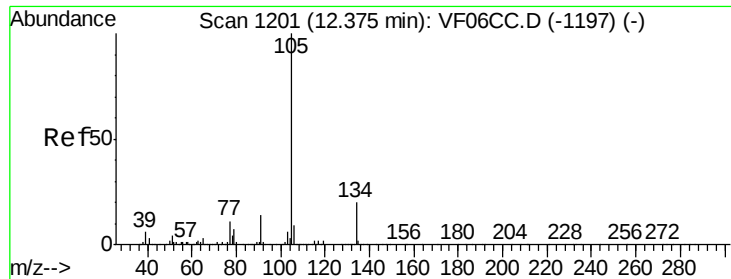
Tot Ion:119 Resp: 605052
Ion Ratio Lower Upper
119 100
91 53.8 28.9 86.7
134 24.6 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 23.589 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion:105 Resp: 584161
Ion Ratio Lower Upper
105 100
120 52.6 27.1 81.3





#85

sec-Butylbenzene

Concen: 24.850 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

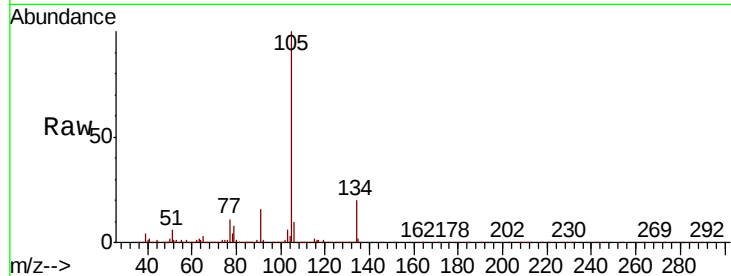
ClientSampleId :

Tot Ion:105 Resp: 847453

Ion Ratio Lower Upper

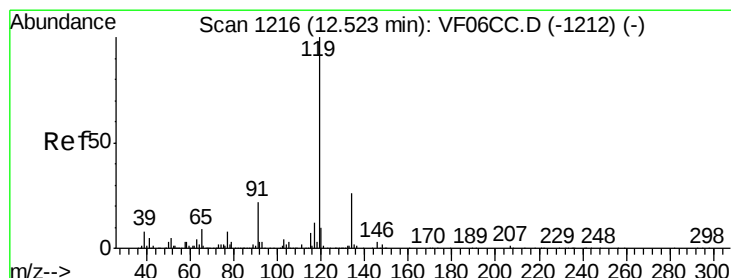
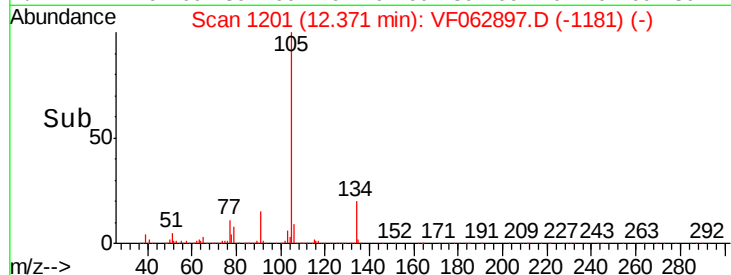
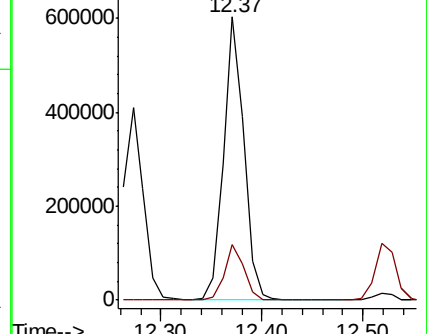
105 100

134 19.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.788 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

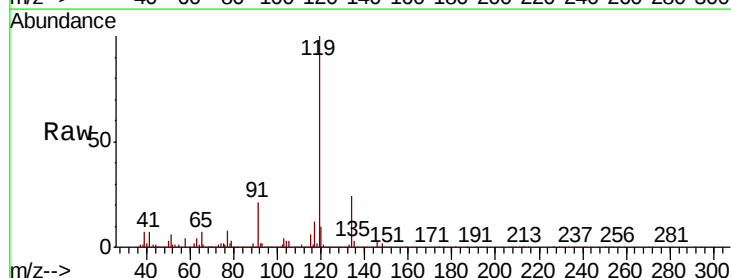
Tgt Ion:119 Resp: 675233

Ion Ratio Lower Upper

119 100

134 24.3 15.5 46.5

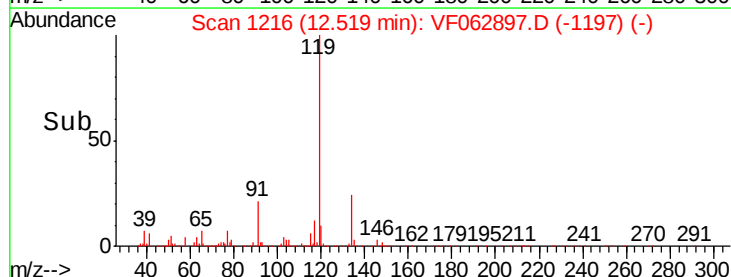
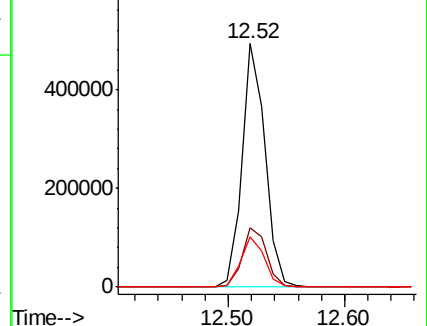
91 20.9 10.3 30.9

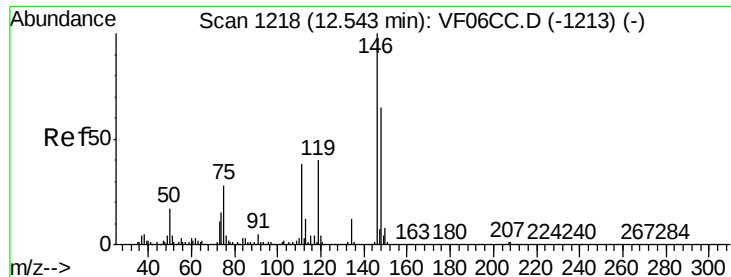


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 22.301 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

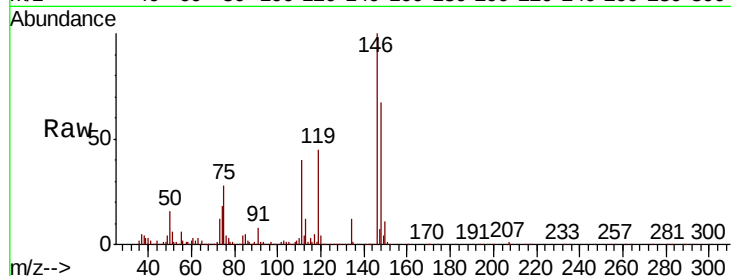
Tot Ion:146 Resp: 315616

Ion Ratio Lower Upper

146 100

111 40.1 19.6 58.8

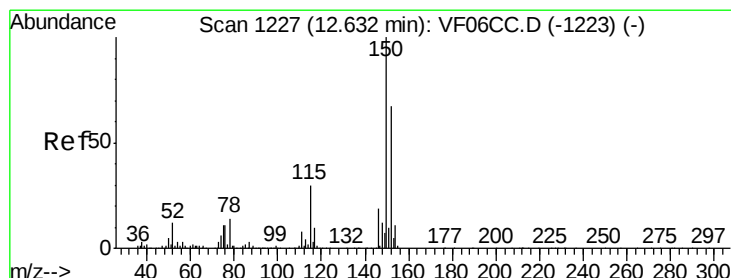
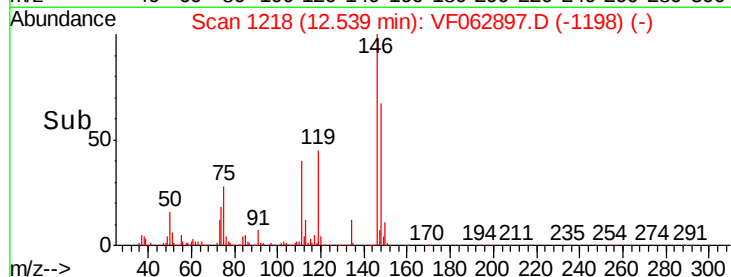
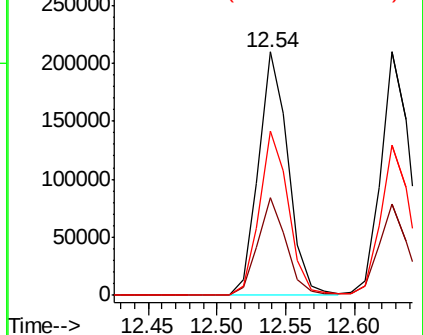
148 67.4 34.2 102.5



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



#88

1,4-Dichlorobenzene

Concen: 23.361 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

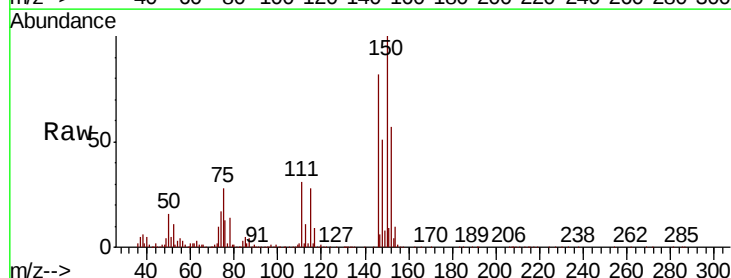
Tgt Ion:146 Resp: 308547

Ion Ratio Lower Upper

146 100

111 37.6 20.3 60.9

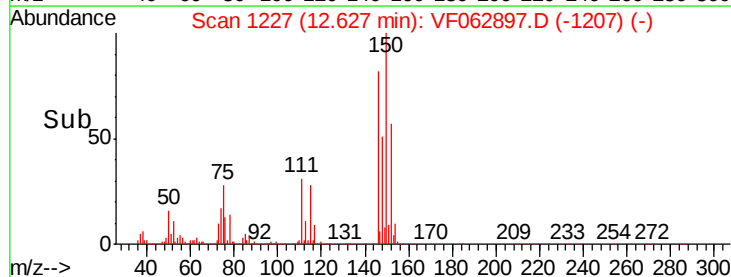
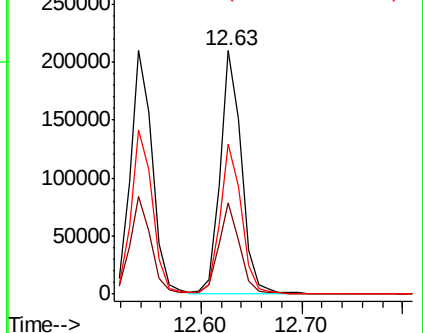
148 61.7 34.0 101.8

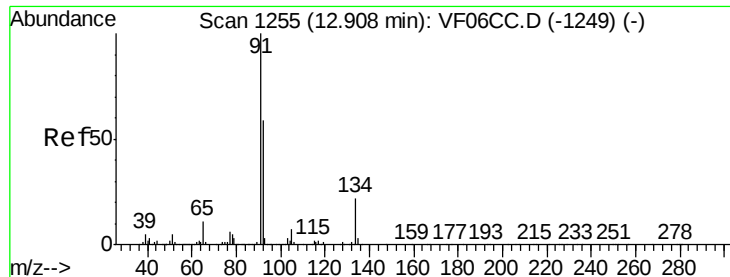


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

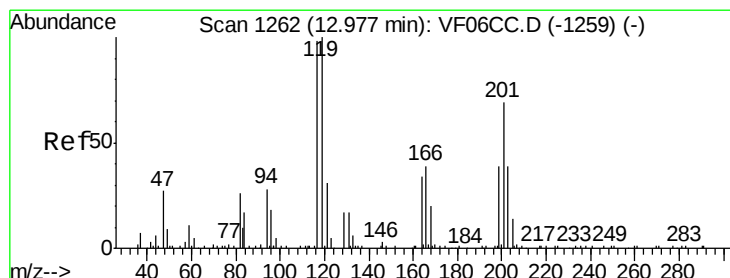
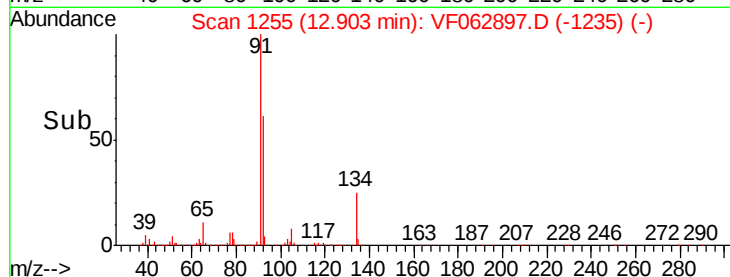
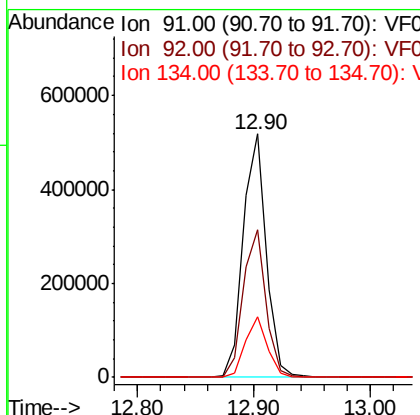
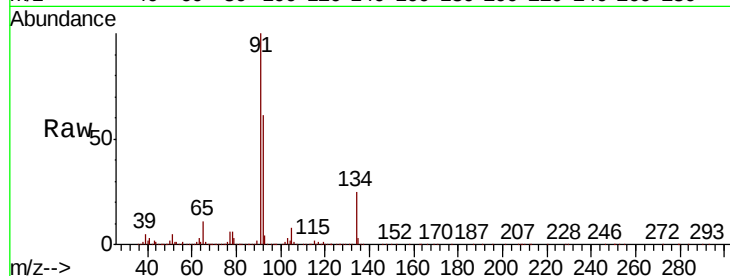




#89
n-Butylbenzene
Concen: 24.883 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

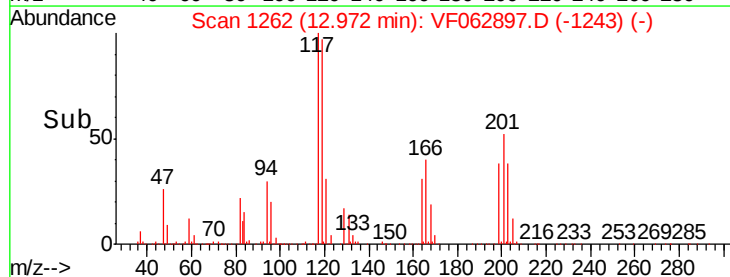
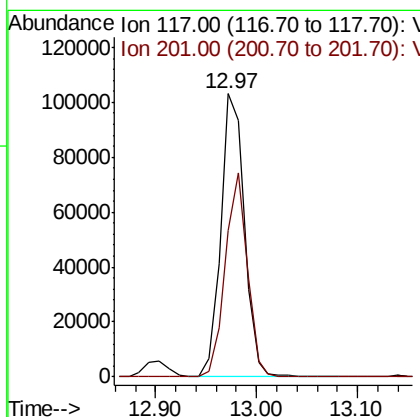
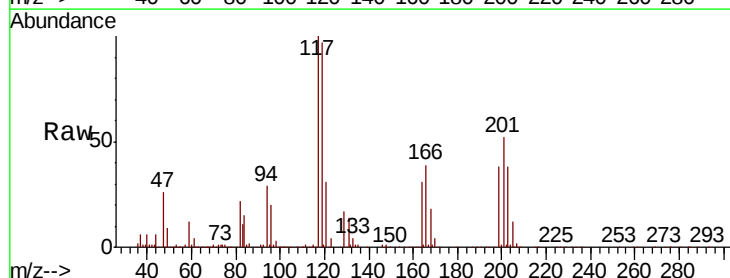
Instrument :
MSVOA_F
ClientSampleId :

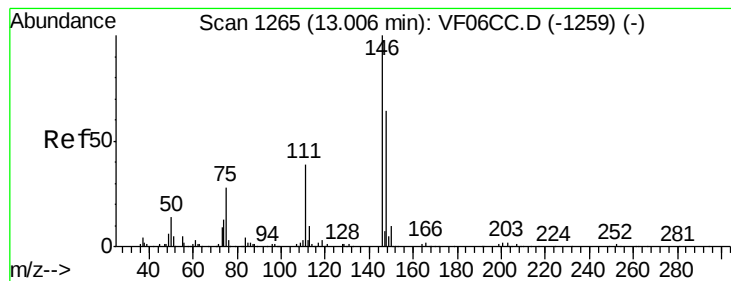
Tot Ion: 91 Resp: 710511
Ion Ratio Lower Upper
91 100
92 60.9 34.2 102.6
134 25.0 15.8 47.3



#90
Hexachloroethane
Concen: 24.423 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 117 Resp: 169087
Ion Ratio Lower Upper
117 100
201 51.8 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 22.508 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampled :

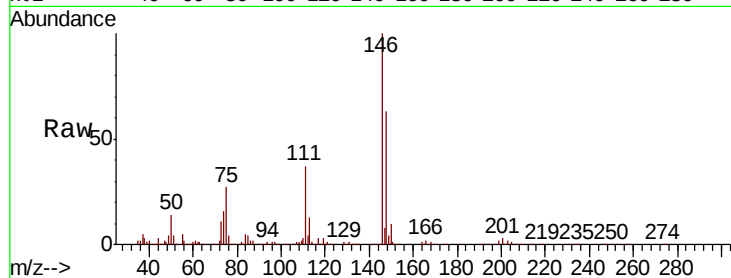
Tot Ion:146 Resp: 279993

Ion Ratio Lower Upper

146 100

111 36.9 20.4 61.3

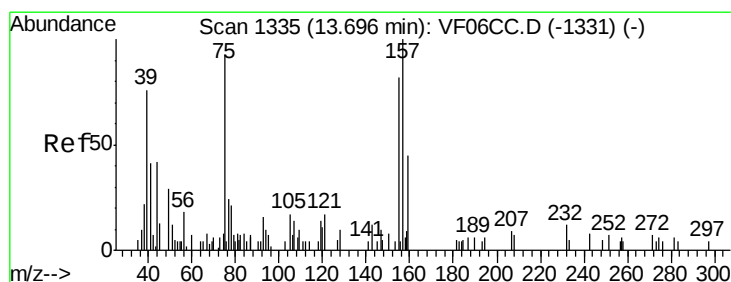
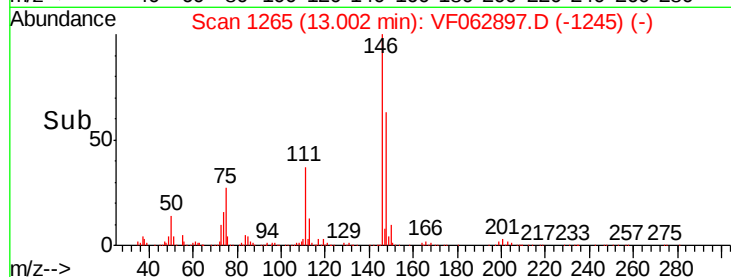
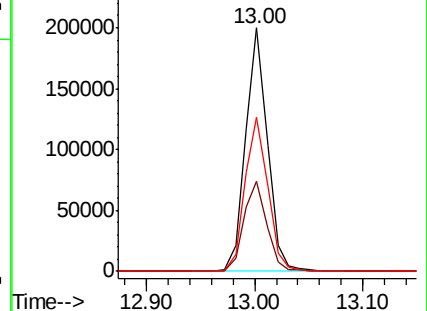
148 63.4 34.1 102.3



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: 24.051 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

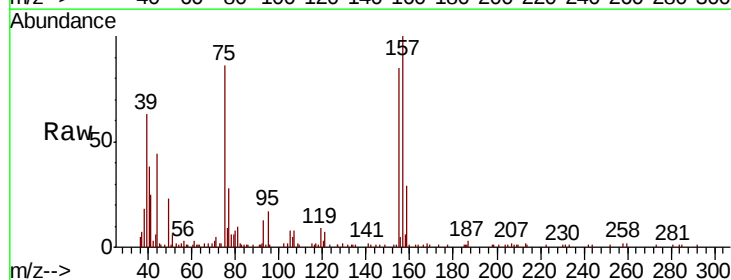
Tgt Ion: 75 Resp: 17872

Ion Ratio Lower Upper

75 100

155 99.0 51.7 155.1

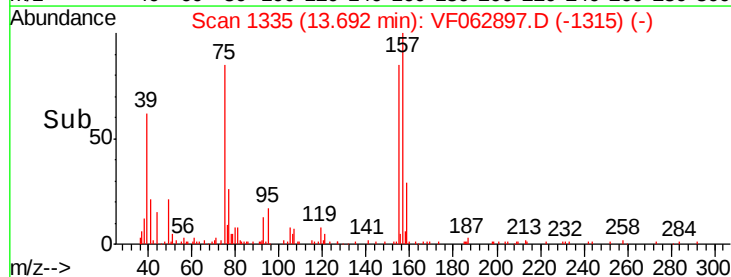
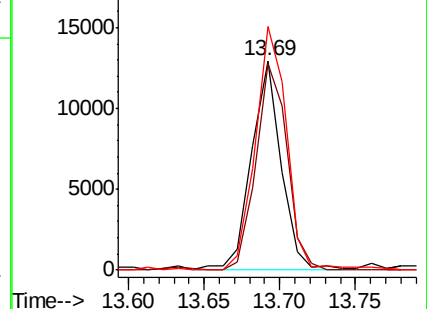
157 116.5 66.8 200.6

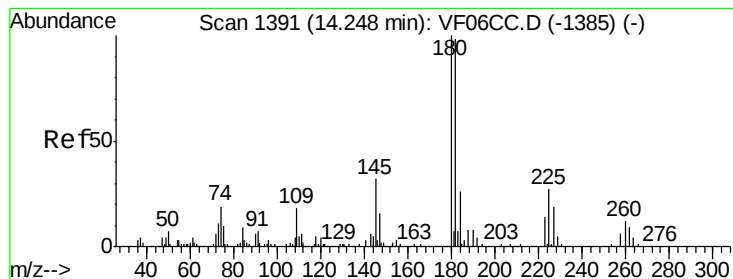


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 24.405 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampled :

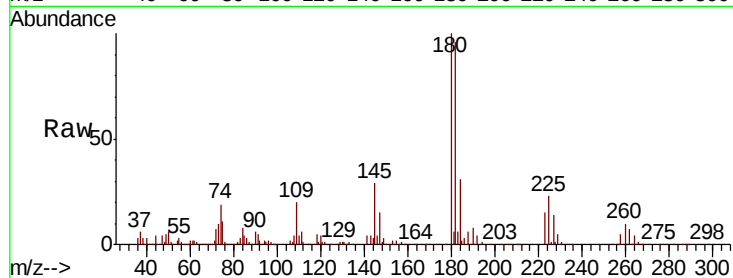
Tot Ion:180 Resp: 208447

Ion Ratio Lower Upper

180 100

182 95.9 50.3 150.9

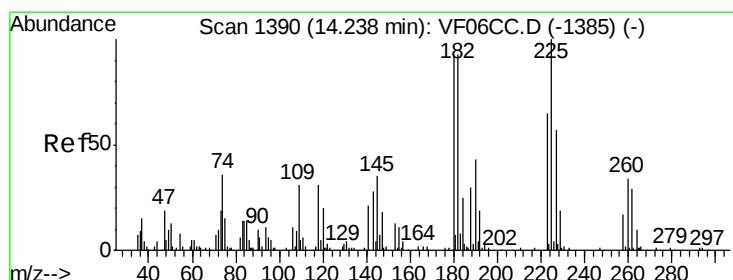
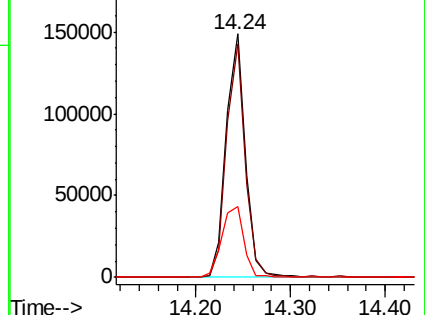
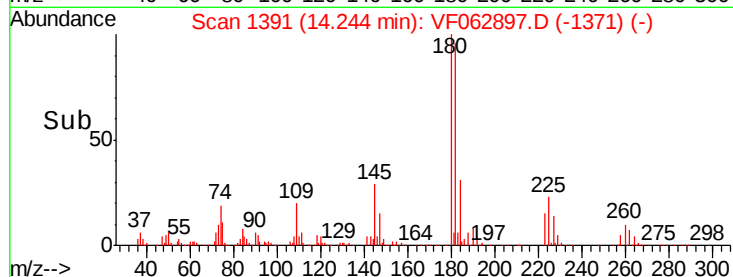
145 29.1 15.4 46.2



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: 24.211 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

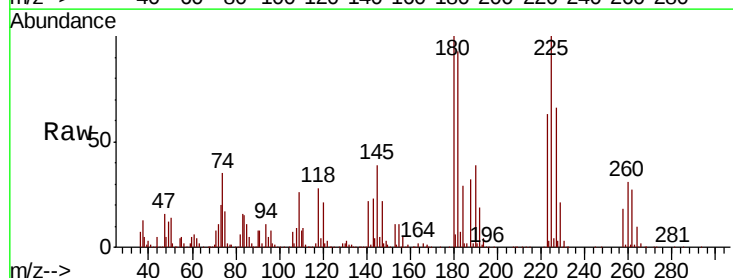
Tgt Ion:225 Resp: 143056

Ion Ratio Lower Upper

225 100

223 65.8 30.8 92.4

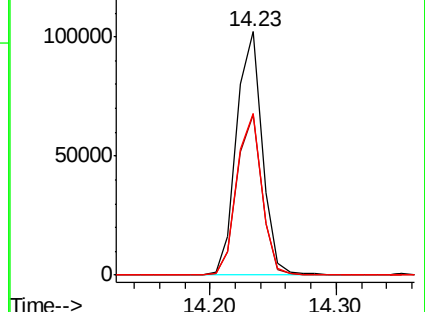
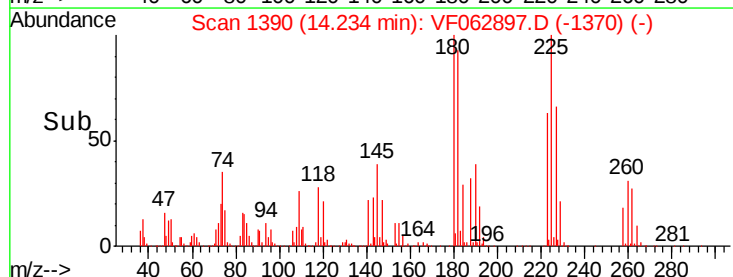
227 66.4 31.9 95.5

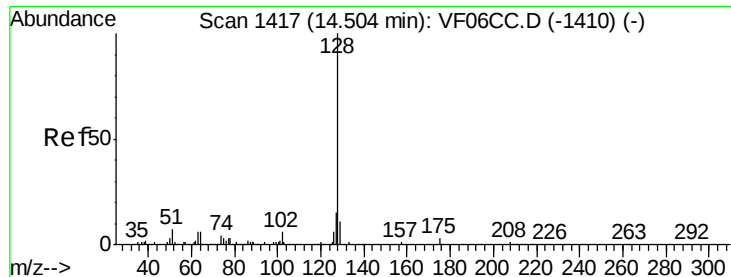


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

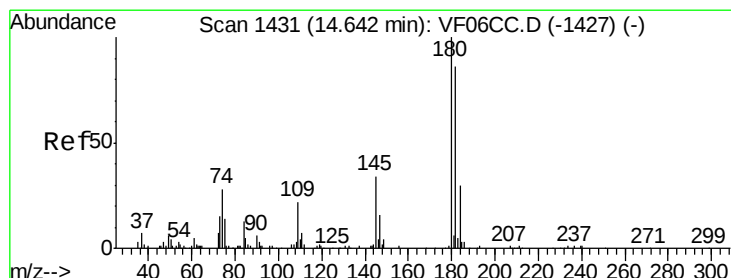
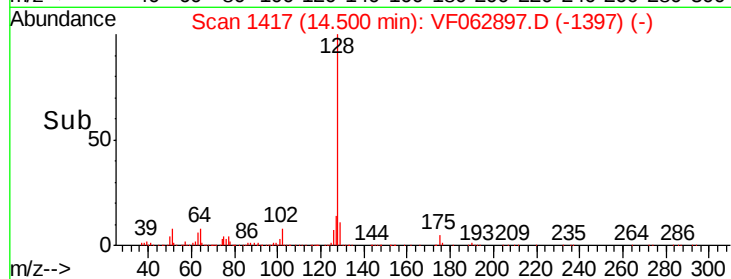
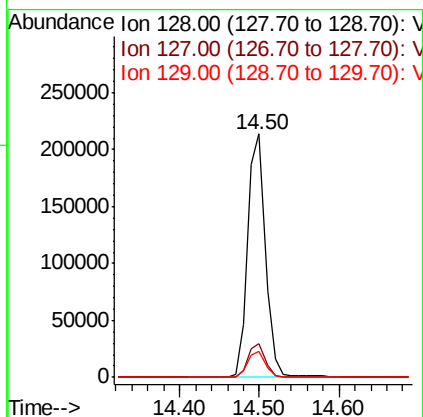
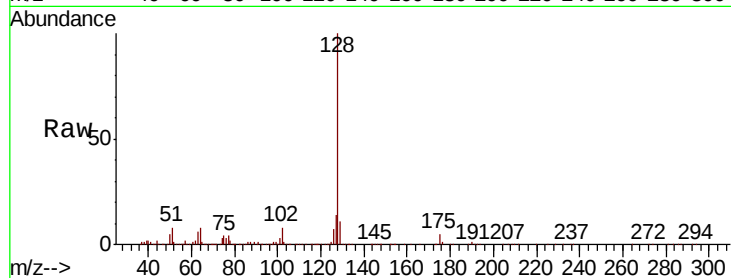




#95
Naphthalene
Concen: 23.348 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 326701
Ion Ratio Lower Upper
128 100
127 13.8 9.7 14.5
129 10.6 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 23.866 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion:180 Resp: 186074
Ion Ratio Lower Upper
180 100
182 100.3 48.6 145.9
145 32.2 15.7 47.0

