

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062857.D
 Acq On : 4 Jun 2019 23:46
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:26:04 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	791807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1408079	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	1146330	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	561470	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	285975	52.23	ug/l	-0.02
Spiked Amount			Recovery	=	104.46%	
35) Dibromofluoromethane	4.32	113	532673	50.06	ug/l	-0.02
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	7.71	98	1372573	51.01	ug/l	-0.03
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.49	95	522369	53.97	ug/l	-0.02
Spiked Amount			Recovery	=	107.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	430802	47.904	ug/l	97
3) Chloromethane	1.14	50	378696	46.223	ug/l	97
4) Vinyl Chloride	1.19	62	378682	46.512	ug/l	97
5) Bromomethane	1.40	94	240742	51.849	ug/l	95
6) Chloroethane	1.44	64	152813	50.201	ug/l	90
7) Trichlorofluoromethane	1.56	101	618020	53.621	ug/l	96
8) Diethyl Ether	1.72	74	122751	54.132	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	377674	52.120	ug/l	94
10) Methyl Iodide	1.98	142	771721	53.115	ug/l	97
11) Tert butyl alcohol	2.69	59	93993	283.372	ug/l	95
12) 1,1-Dichloroethene	1.87	96	342827	52.102	ug/l	91
13) Acrolein	2.10	56	35114	265.500	ug/l	99
14) Allyl chloride	2.20	41	345353	67.654	ug/l	99
15) Acrylonitrile	3.10	53	261244	209.604	ug/l	# 95
16) Acetone	2.35	43	295580	235.861	ug/l	94
17) Carbon Disulfide	1.91	76	953706	49.591	ug/l	99
18) Methyl Acetate	2.46	43	112177	51.224	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	660487	55.405	ug/l	98
20) Methylene Chloride	2.34	84	242104	37.854	ug/l	99
21) trans-1,2-Dichloroethene	2.43	96	360611	54.659	ug/l	97
22) Diisopropyl ether	2.94	45	715116	49.308	ug/l	97
23) Vinyl Acetate	3.35	43	2641465	266.041	ug/l	99
24) 1,1-Dichloroethane	3.02	63	570490	52.684	ug/l	98
25) 2-Butanone	4.52	43	710975	243.617	ug/l	99
26) 2,2-Dichloropropane	3.79	77	343935	55.939	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	608472	54.867	ug/l	99
28) Bromochloromethane	3.90	49	333269	56.581	ug/l	95
29) Tetrahydrofuran	4.27	42	321427	287.963	ug/l	98
30) Chloroform	4.05	83	795574	52.130	ug/l	97
31) Cyclohexane	3.88	56	721364	49.205	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	539060	60.667	ug/l	96
36) 1,1-Dichloropropene	4.48	75	625881	48.283	ug/l	99
37) Ethyl Acetate	4.31	43	263992	53.276	ug/l	92
38) Carbon Tetrachloride	4.19	117	481378	54.948	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	807223	50.035	ug/l	97
40) Benzene	4.83	78	1846446	48.943	ug/l	99
41) Methacrylonitrile	4.94	41	138586	50.309	ug/l	96
42) 1,2-Dichloroethane	5.14	62	367870	51.270	ug/l	98
43) Isopropyl Acetate	7.12	43	334202	51.056	ug/l	93
44) Trichloroethene	5.69	130	528096	49.600	ug/l	95
45) 1,2-Dichloropropane	6.41	63	485590	51.292	ug/l	97
46) Dibromomethane	6.26	93	290055	52.476	ug/l	91
47) Bromodichloromethane	6.56	83	566742	50.346	ug/l	99
48) Methyl methacrylate	6.88	41	181413	53.776	ug/l	94
49) 1,4-Dioxane	6.87	88	49087	1103.914	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1271901	272.162	ug/l	99
52) Toluene	7.79	92	1031286	50.753	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	494043	52.964	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	680918	50.429	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	331075	54.539	ug/l	98
56) Ethyl methacrylate	8.76	69	360814	55.395	ug/l	98
57) 1,3-Dichloropropane	9.00	76	550872	55.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	643232	282.568	ug/l	97
59) 2-Hexanone	9.62	43	871420	261.610	ug/l	99
60) Dibromochloromethane	8.86	129	421130	56.034	ug/l	100
61) 1,2-Dibromoethane	9.14	107	351166	55.700	ug/l	97
64) Tetrachloroethene	8.31	164	458131	52.008	ug/l	99
65) Chlorobenzene	9.94	112	1110580	50.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	439795	49.884	ug/l	100
67) Ethyl Benzene	10.04	91	1879482	49.475	ug/l	98
68) m/p-Xylenes	10.26	106	1407568	96.827	ug/l	99
69) o-Xylene	10.81	106	773456	52.551	ug/l	98
70) Styrene	10.89	104	1124171	51.820	ug/l	100
71) Bromoform	10.88	173	234646	55.480	ug/l	98
73) Isopropylbenzene	11.22	105	2029127	51.794	ug/l	99
74) N-amyl acetate	11.44	43	550464	49.853	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	434899	51.982	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	284142	51.236	ug/l	90
77) Bromobenzene	11.58	156	495067	50.293	ug/l	95
78) n-propylbenzene	11.67	91	2280167	48.203	ug/l	97
79) 2-Chlorotoluene	11.80	91	1299327	48.004	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1543319	48.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	164771	70.179	ug/l	96
82) 4-Chlorotoluene	11.97	91	1326081	49.853	ug/l	96
83) tert-Butylbenzene	12.19	119	1542553	48.590	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1488313	48.995	ug/l	99
85) sec-Butylbenzene	12.37	105	2064726	49.358	ug/l	99
86) p-Isopropyltoluene	12.52	119	1668126	47.908	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	842520	48.532	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	806002	49.749	ug/l	97
89) n-Butylbenzene	12.89	91	1622465	46.323	ug/l	96
90) Hexachloroethane	12.97	117	427124	50.296	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	772215	50.608	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.68	75	51560	56.567	ug/l	75

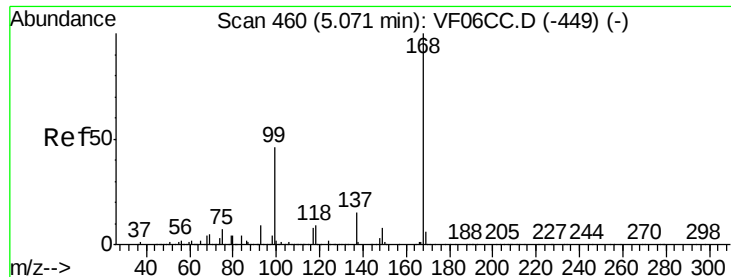
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	495168	47.263	ug/l	96
94) Hexachlorobutadiene	14.22	225	332919	45.933	ug/l	98
95) Naphthalene	14.49	128	885810	51.608	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	475889	49.761	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: VF062857.D

Acq: 4 Jun 2019 23:46

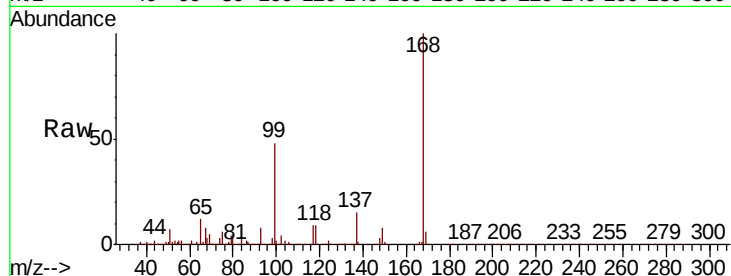
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 791807

Ion Ratio Lower Upper

168 100

99 47.8 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

250000

200000

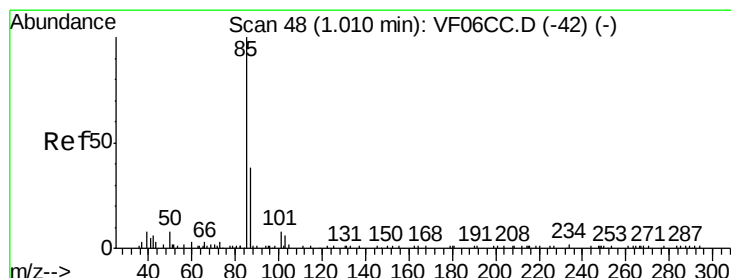
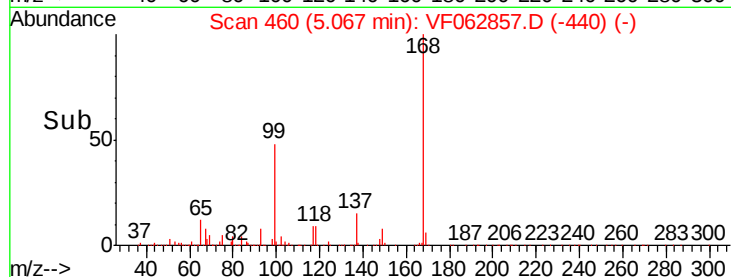
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.904 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062857.D

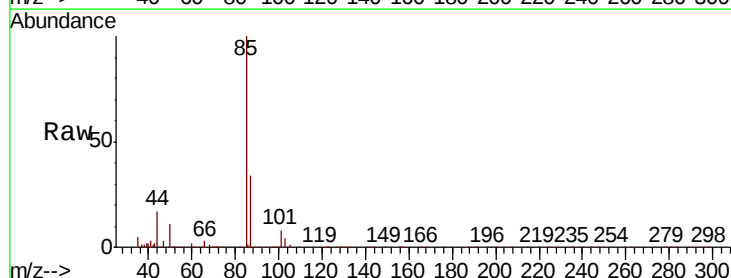
Acq: 4 Jun 2019 23:46

Tgt Ion: 85 Resp: 430802

Ion Ratio Lower Upper

85 100

87 33.6 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

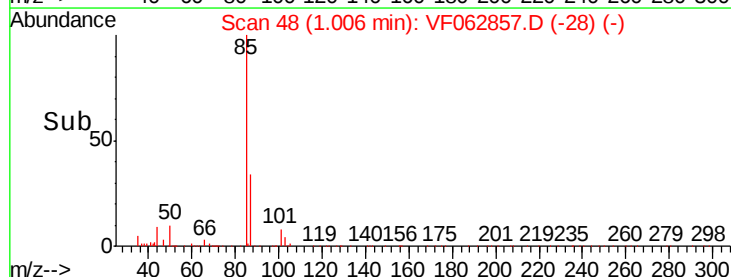
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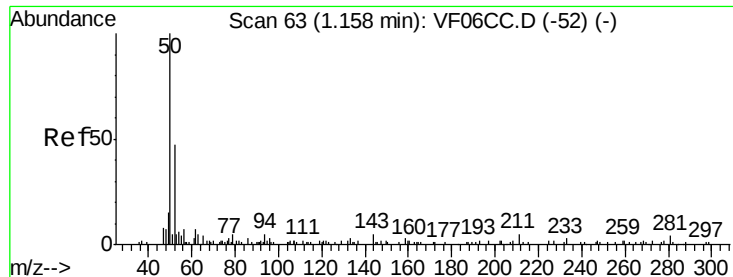
100000

50000

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Time-->





#3

Chloromethane

Concen: 46.223 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

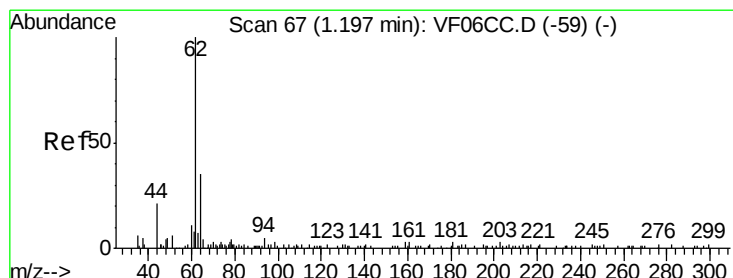
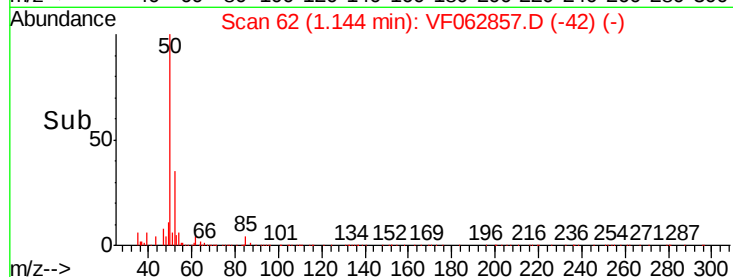
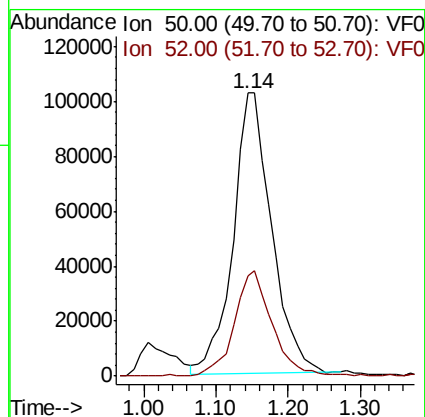
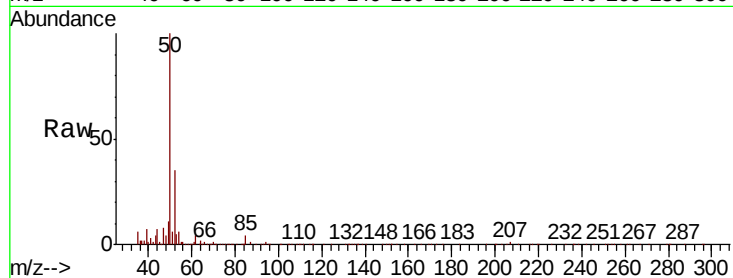
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 378696

Ion Ratio Lower Upper

50 100

52 35.4 27.0 40.4



#4

Vinyl Chloride

Concen: 46.512 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062857.D

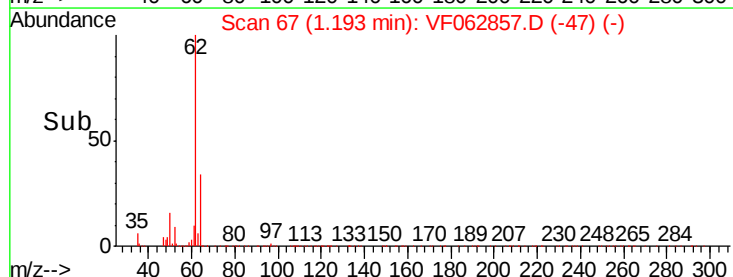
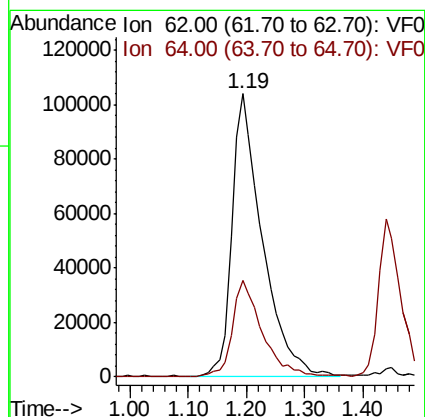
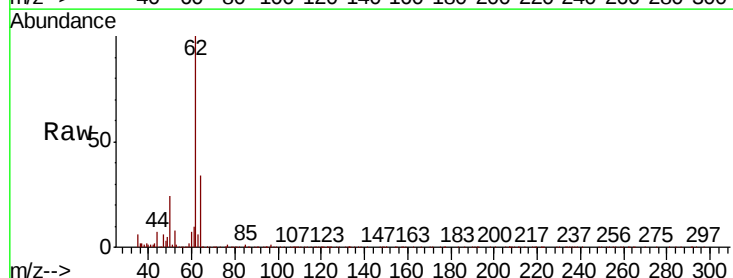
Acq: 4 Jun 2019 23:46

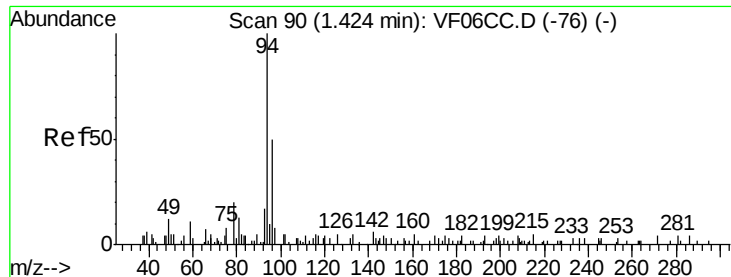
Tgt Ion: 62 Resp: 378682

Ion Ratio Lower Upper

62 100

64 34.2 26.2 39.2

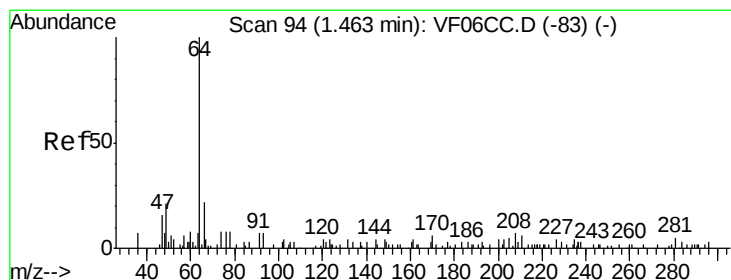
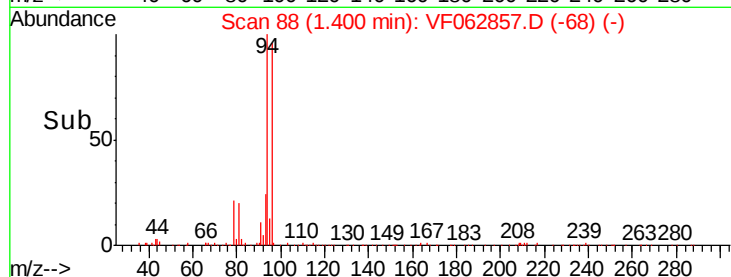
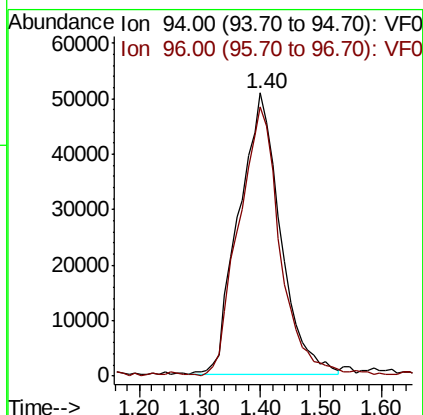
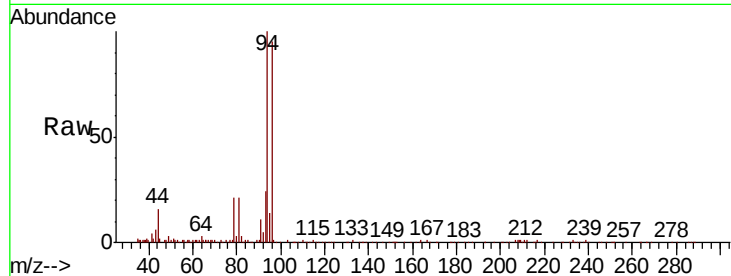




#5
Bromomethane
Concen: 51.849 ug/l
RT: 1.40 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

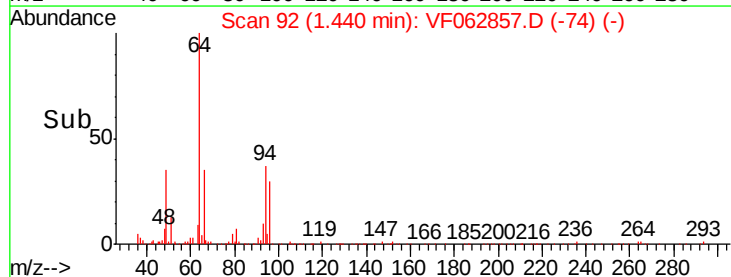
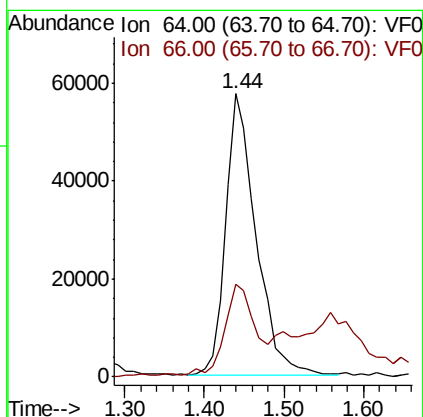
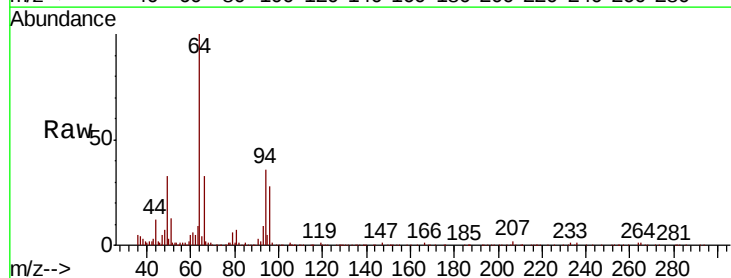
Instrument :
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ClientSampleId :

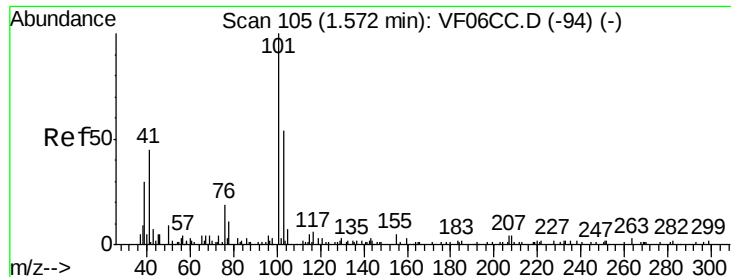
Tot Ion: 94 Resp: 240742
Ion Ratio Lower Upper
94 100
96 96.6 73.8 110.6



#6
Chloroethane
Concen: 50.201 ug/l
RT: 1.44 min Scan# 92
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 64 Resp: 152813
Ion Ratio Lower Upper
64 100
66 32.6 31.0 46.4



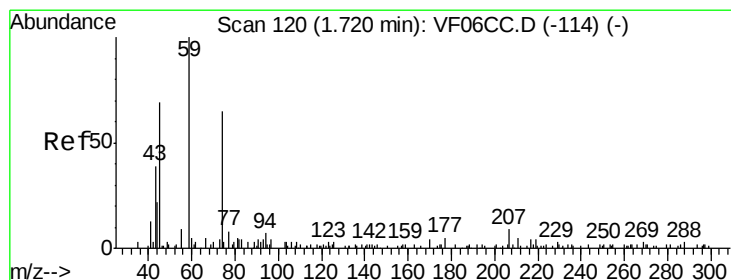
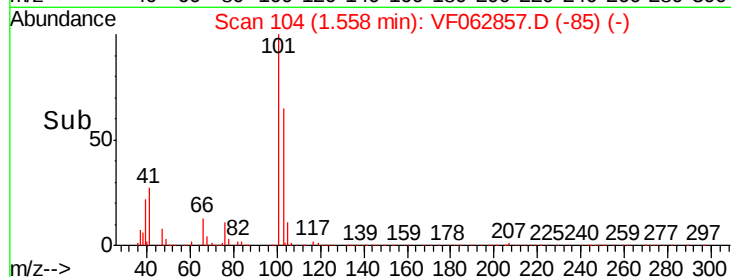
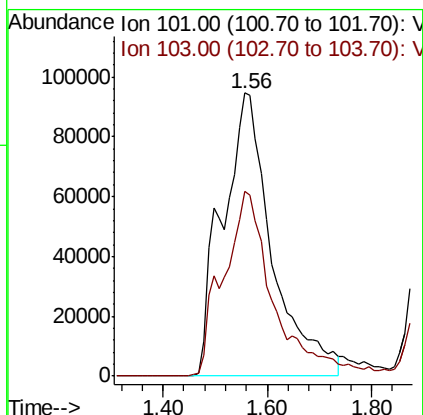
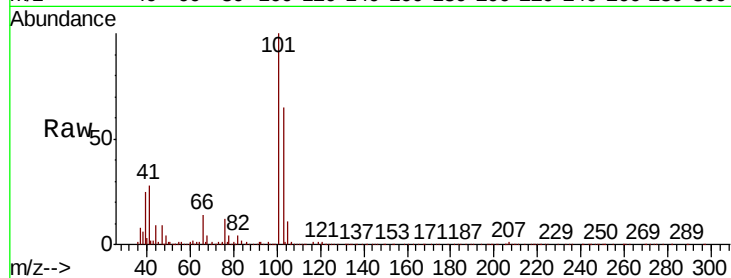


#7

Trichlorofluoromethane
Concen: 53.621 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

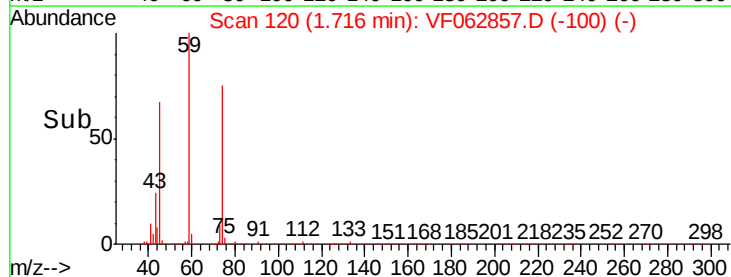
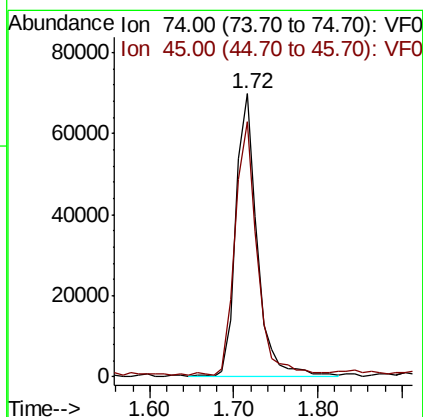
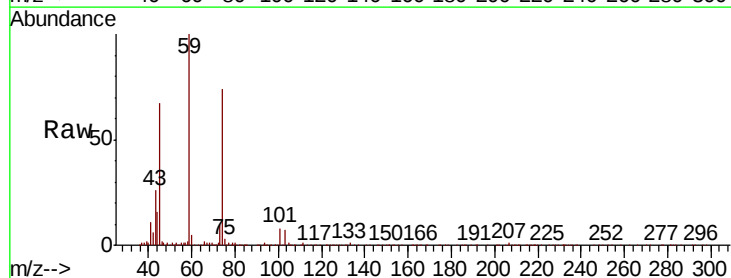
Tot Ion:101 Resp: 618020
Ion Ratio Lower Upper
101 100
103 65.3 54.6 82.0

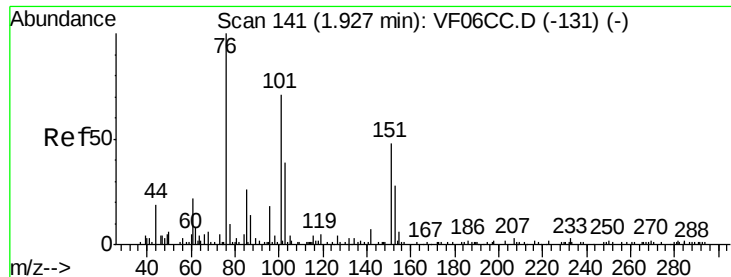


#8

Diethyl Ether
Concen: 54.132 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 74 Resp: 122751
Ion Ratio Lower Upper
74 100
45 90.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.120 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.04 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

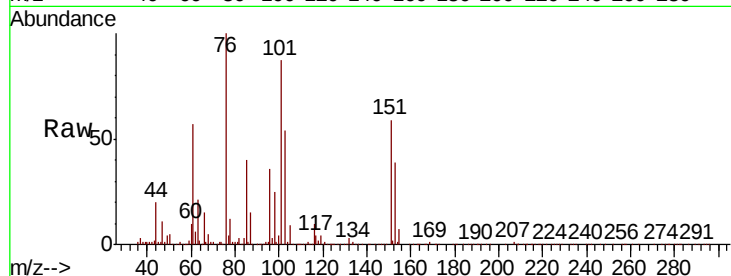
Tot Ion:101 Resp: 377674

Ion Ratio Lower Upper

101 100

85 46.0 37.1 55.7

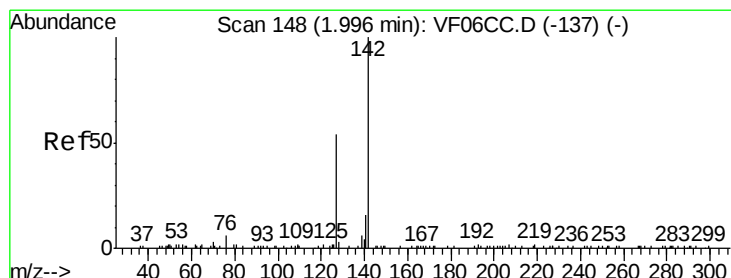
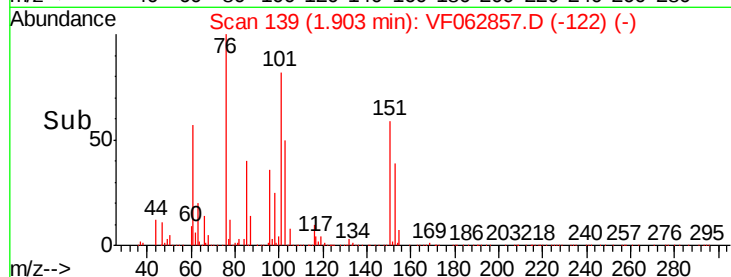
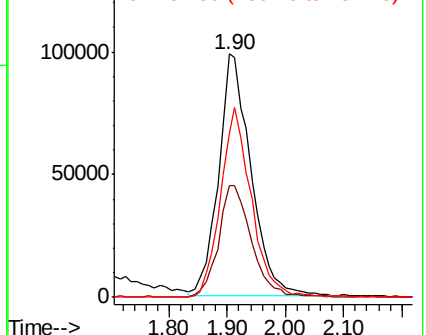
151 67.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 53.115 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.04 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

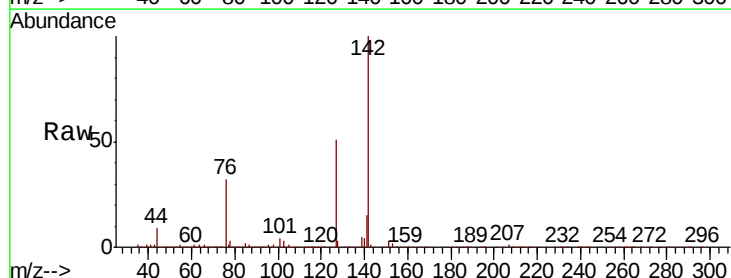
Tgt Ion:142 Resp: 771721

Ion Ratio Lower Upper

142 100

127 50.9 39.4 59.2

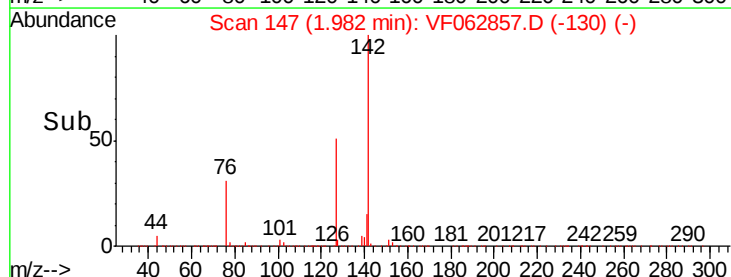
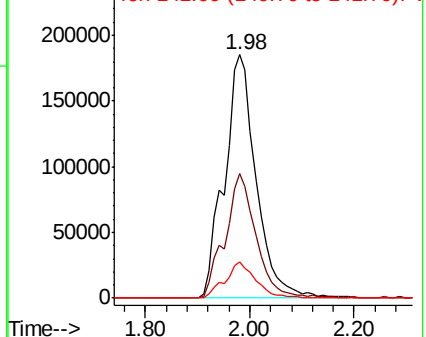
141 14.8 10.6 15.8

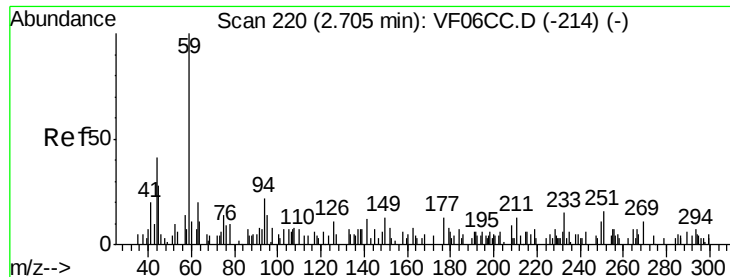


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



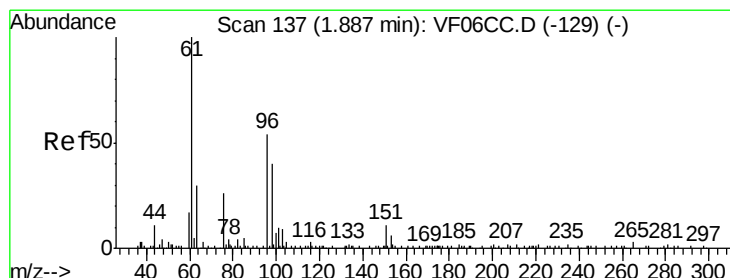
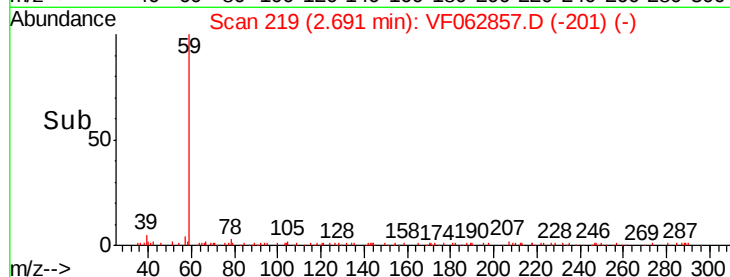
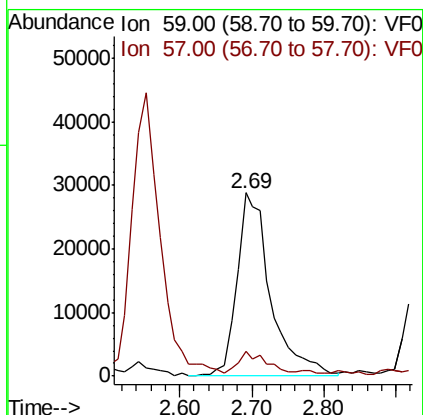
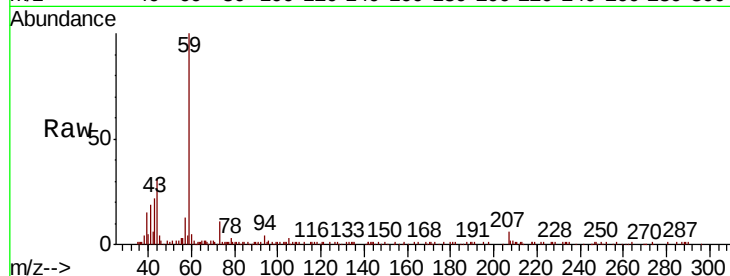


#11

Tert butyl alcohol
Concen: 283.372 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampled :

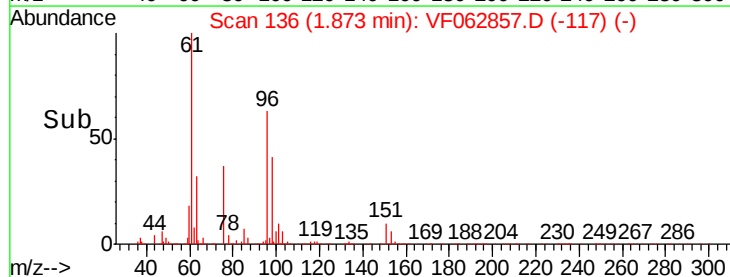
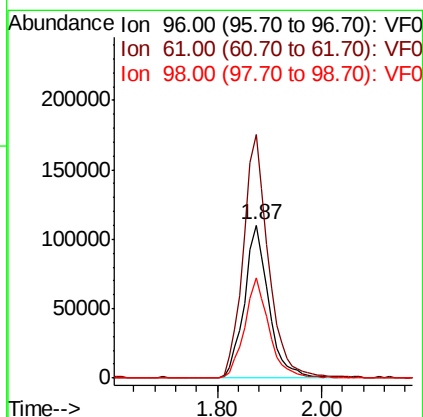
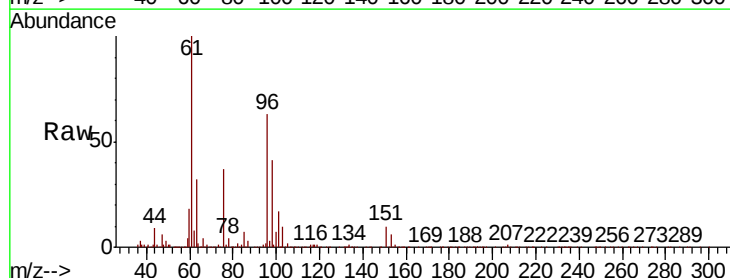
Tot Ion: 59 Resp: 93993
Ion Ratio Lower Upper
59 100
57 13.3 9.2 13.8

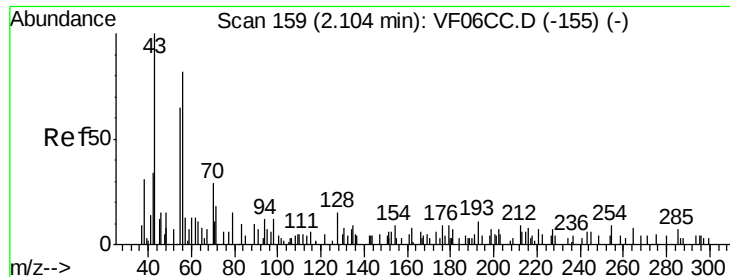


#12

1,1-Dichloroethene
Concen: 52.102 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 96 Resp: 342827
Ion Ratio Lower Upper
96 100
61 159.4 139.4 209.2
98 65.9 50.3 75.5

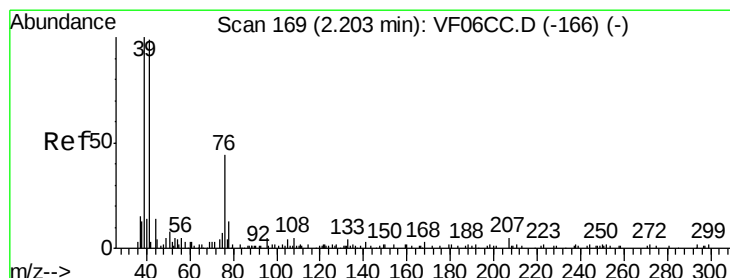
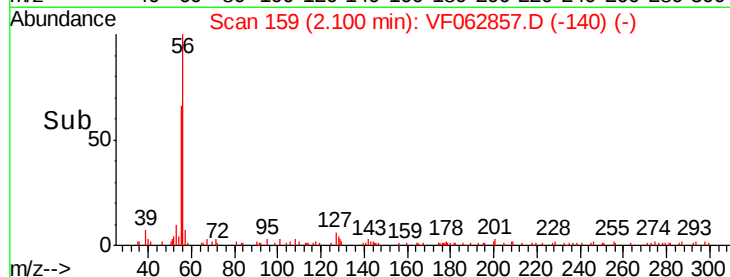
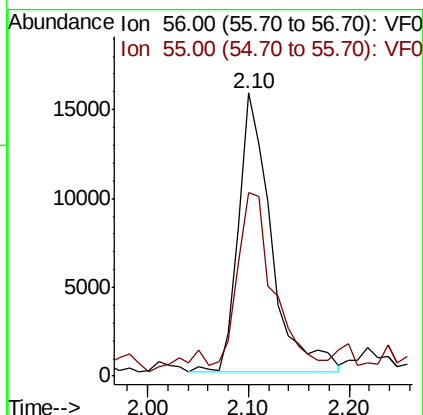
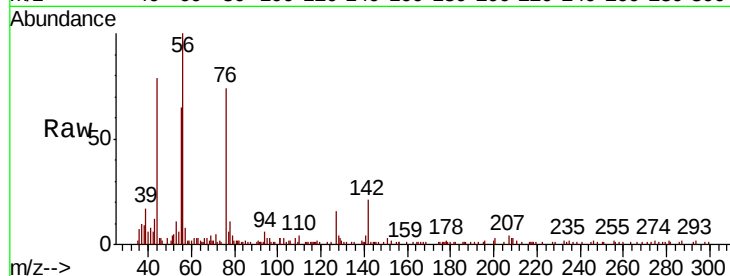




#13
Acrolein
Concen: 265.500 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

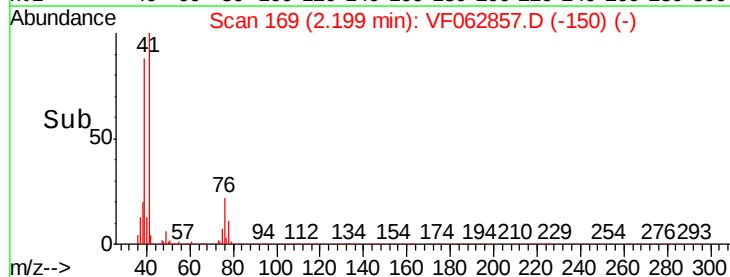
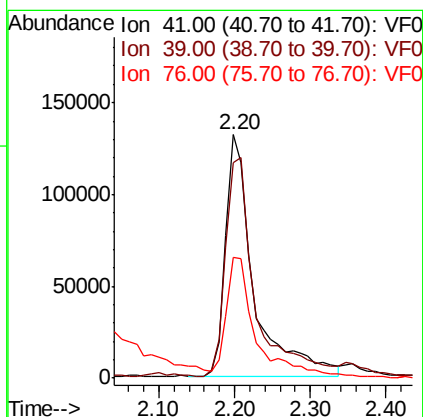
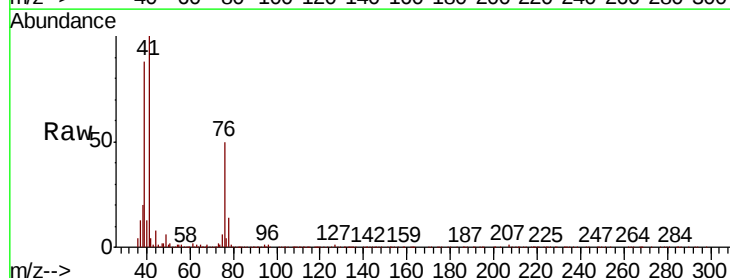
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 35114
Ion Ratio Lower Upper
56 100
55 65.1 52.9 79.3



#14
Allyl chloride
Concen: 67.654 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 41 Resp: 345353
Ion Ratio Lower Upper
41 100
39 88.3 71.9 107.9
76 49.7 39.6 59.4





#15

Acrylonitrile

Concen: 209.604 ug/l

RT: 3.10 min Scan# 260

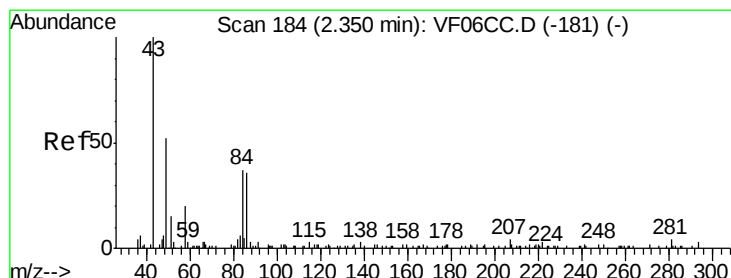
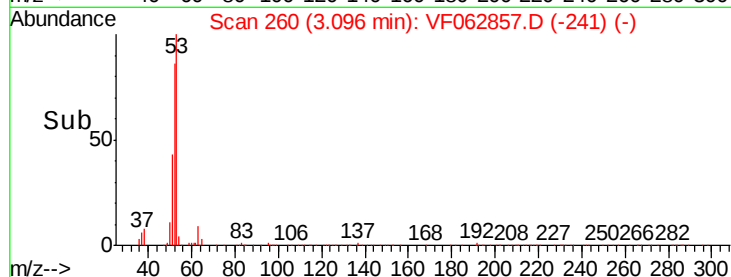
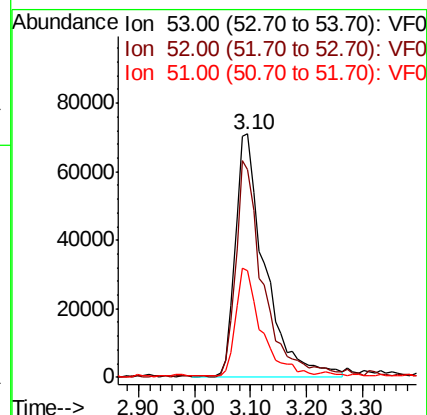
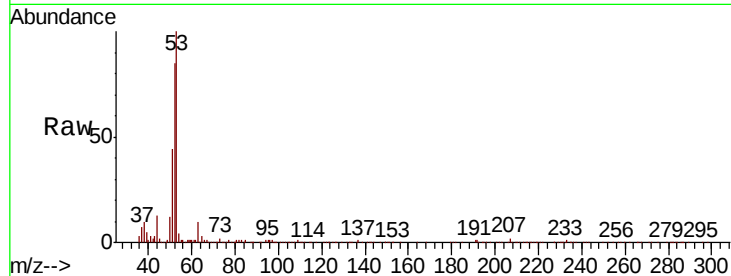
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	261244
Ion	Ratio	Lower	Upper
53	100		
52	85.2	68.1	102.1
51	43.6	27.7	41.5#



#16

Acetone

Concen: 235.861 ug/l

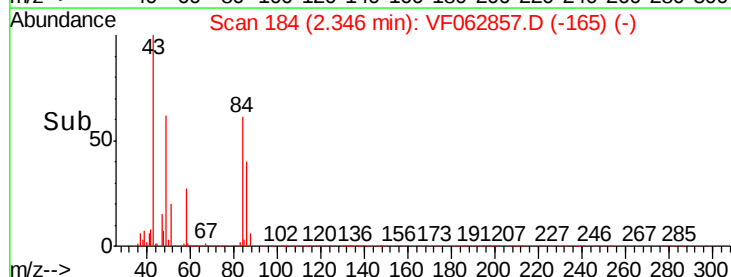
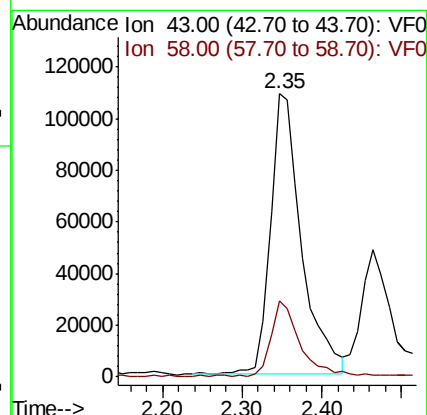
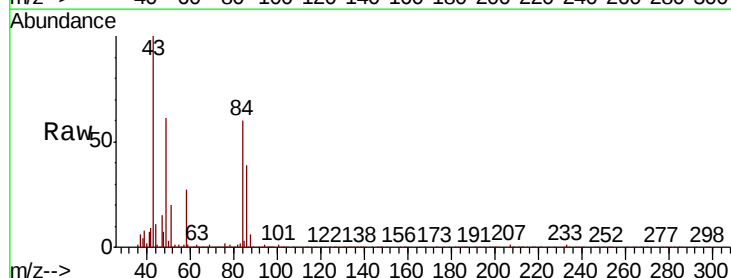
RT: 2.35 min Scan# 184

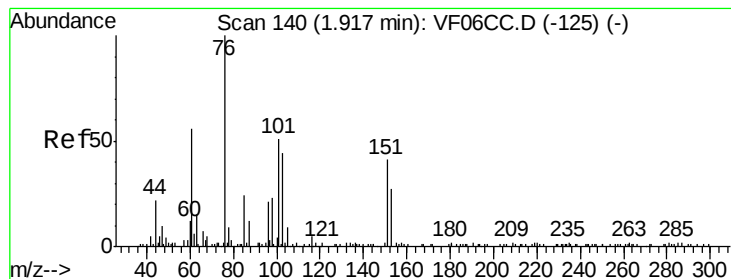
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	43	Resp:	295580
Ion	Ratio	Lower	Upper
43	100		
58	26.7	19.0	28.4





#17

Carbon Disulfide

Concen: 49.591 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

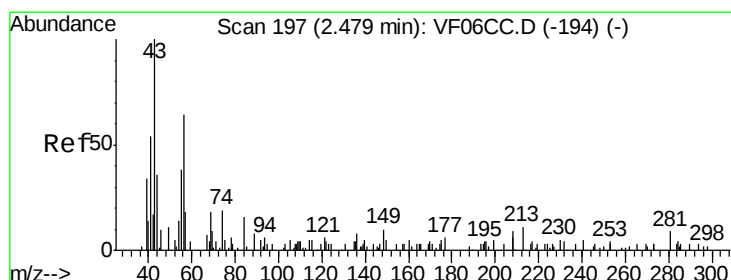
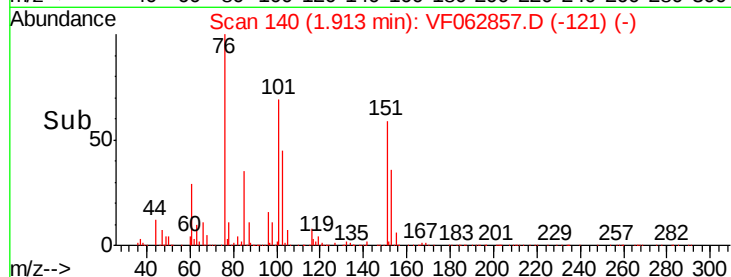
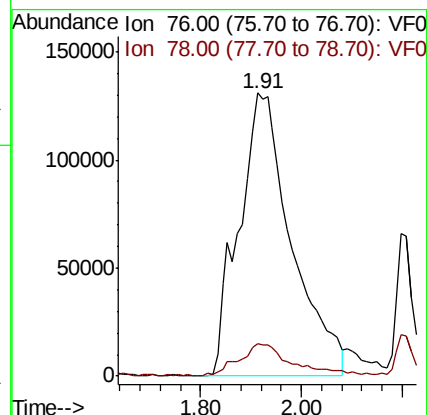
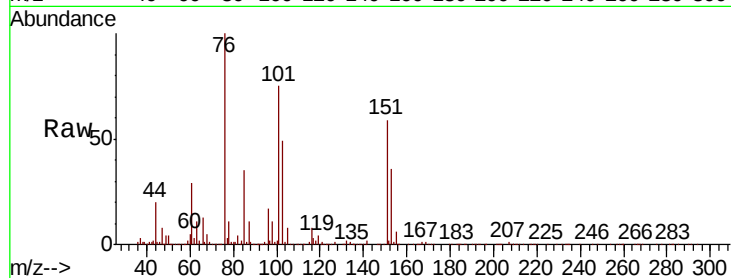
ClientSampleId :

Tot Ion: 76 Resp: 953706

Ion Ratio Lower Upper

76 100

78 11.3 9.4 14.2



#18

Methyl Acetate

Concen: 51.224 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062857.D

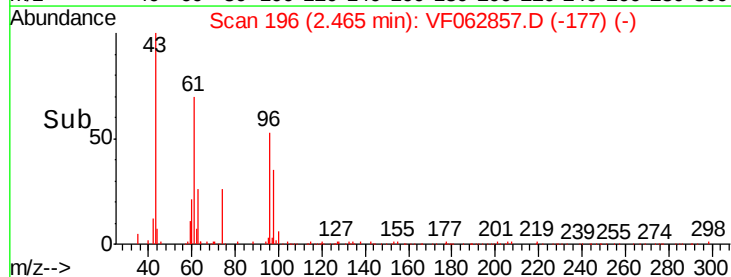
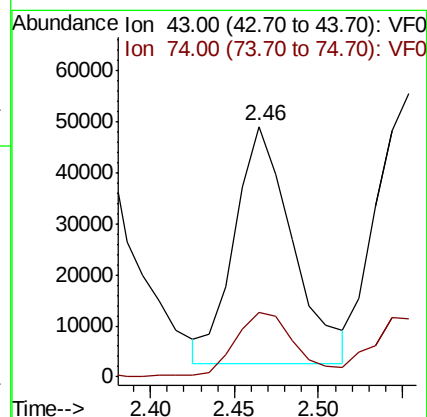
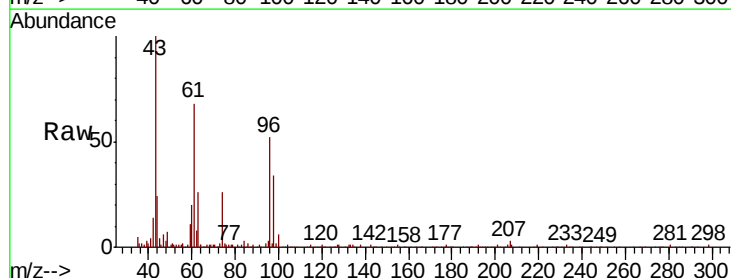
Acq: 4 Jun 2019 23:46

Tgt Ion: 43 Resp: 112177

Ion Ratio Lower Upper

43 100

74 25.9 22.1 33.1



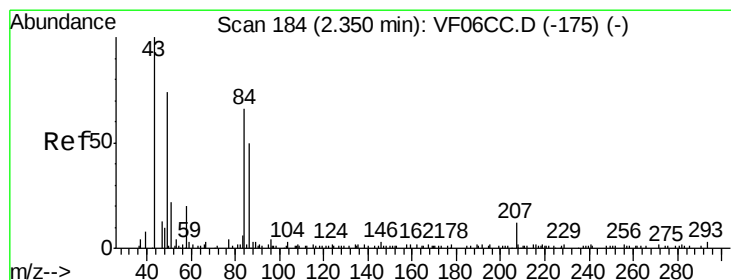
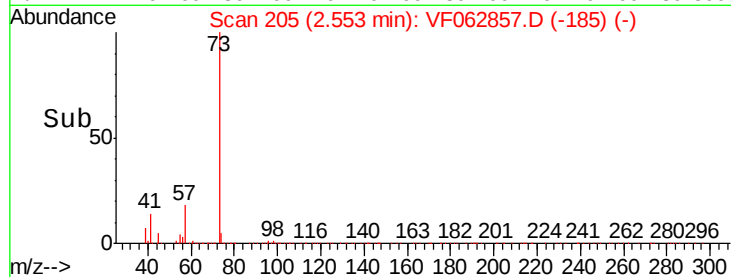
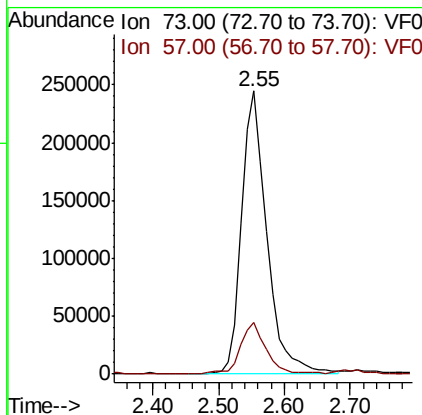
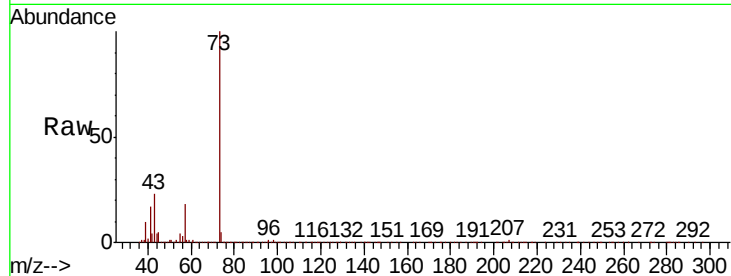


#19

Methyl tert-butyl Ether
 Concen: 55.405 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :

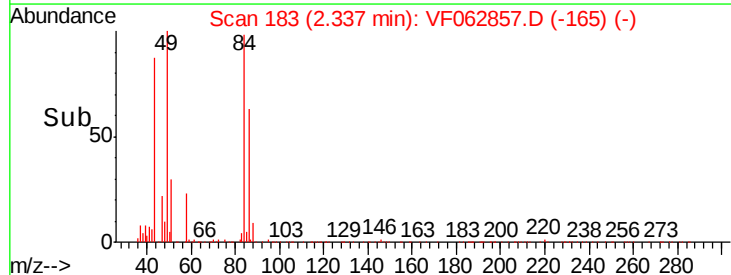
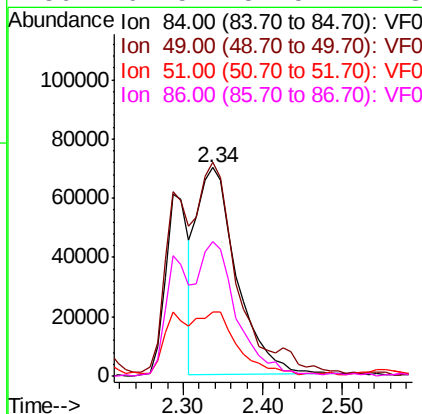
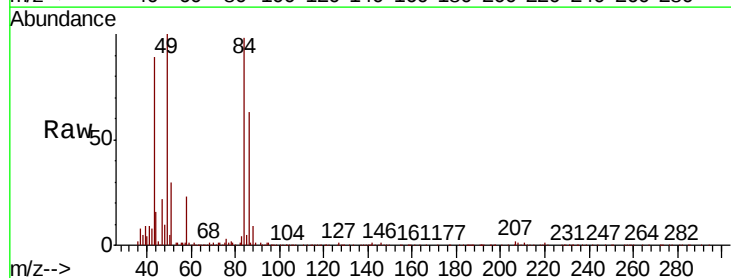
Tot Ion: 73 Resp: 660487
 Ion Ratio Lower Upper
 73 100
 57 18.2 15.1 22.7

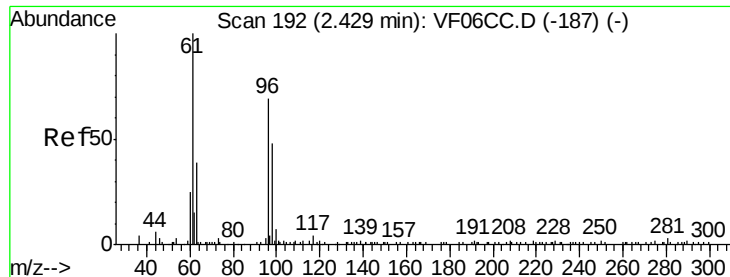


#20

Methylene Chloride
 Concen: 37.854 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. -0.03 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion: 84 Resp: 242104
 Ion Ratio Lower Upper
 84 100
 49 102.5 82.6 123.8
 51 30.7 25.0 37.4
 86 64.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 54.659 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

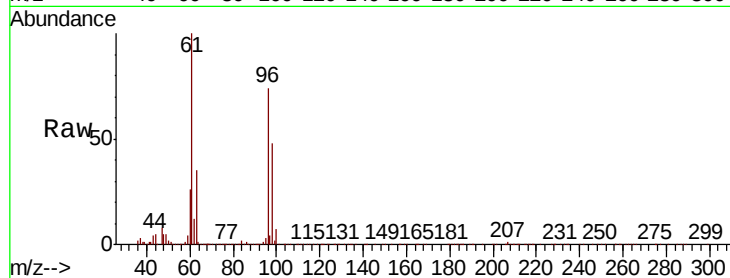
Tot Ion: 96 Resp: 360611

Ion Ratio Lower Upper

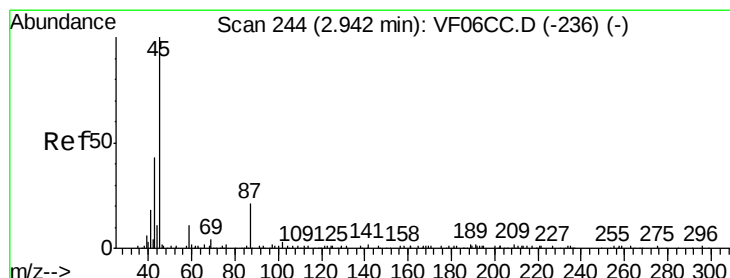
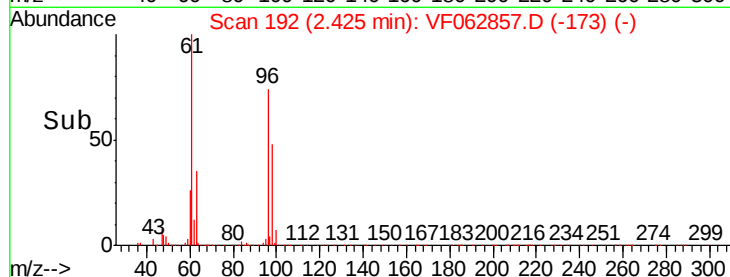
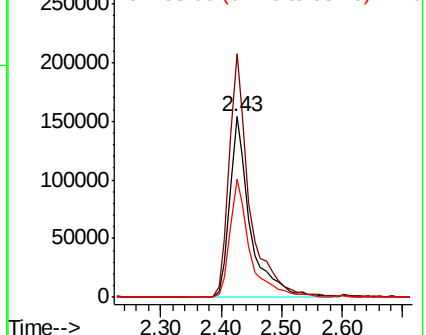
96 100

61 134.7 105.0 157.6

98 65.2 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: 49.308 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion: 45 Resp: 715116

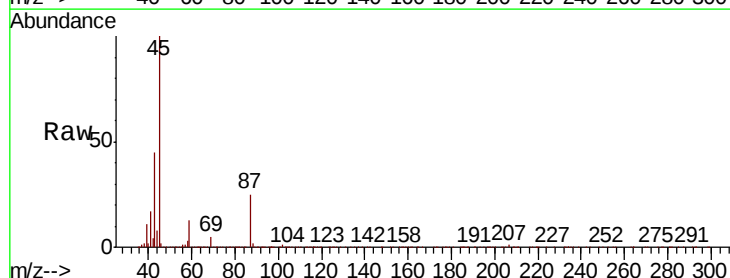
Ion Ratio Lower Upper

45 100

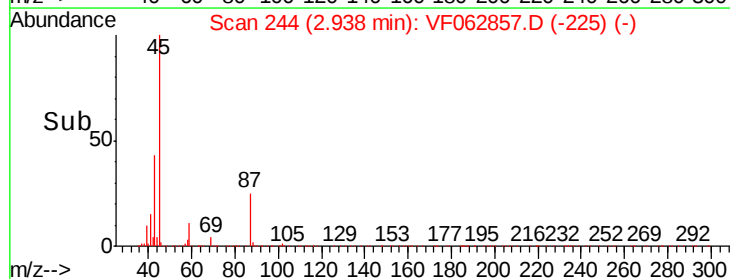
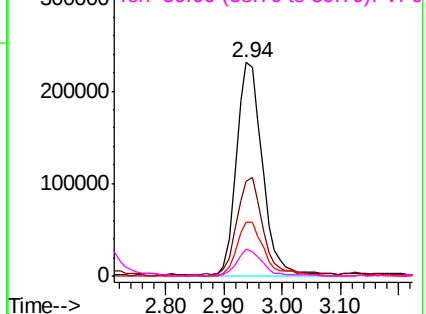
43 44.6 34.3 51.5

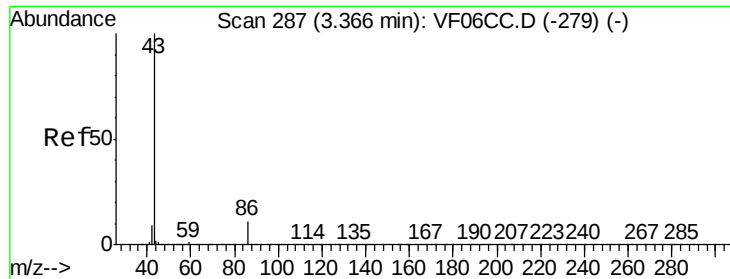
87 25.4 19.0 28.4

59 12.5 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: 266.041 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

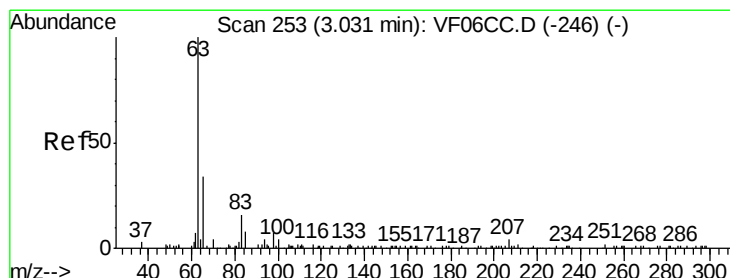
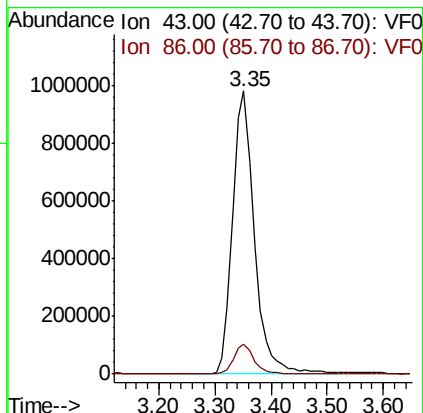
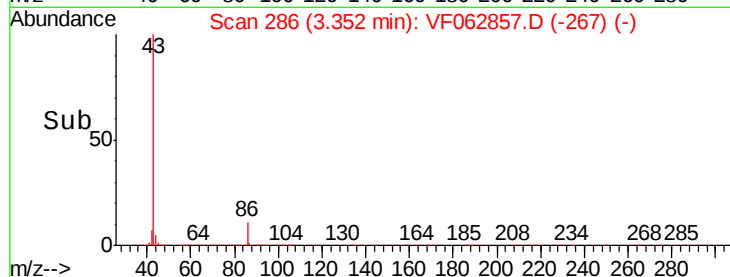
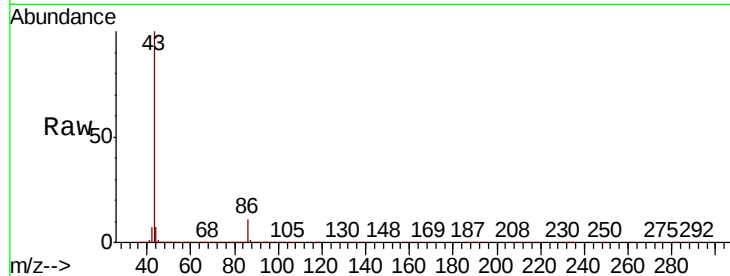
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2641465

Ion Ratio Lower Upper

43 100

86 10.7 8.2 12.2



#24

1,1-Dichloroethane

Concen: 52.684 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

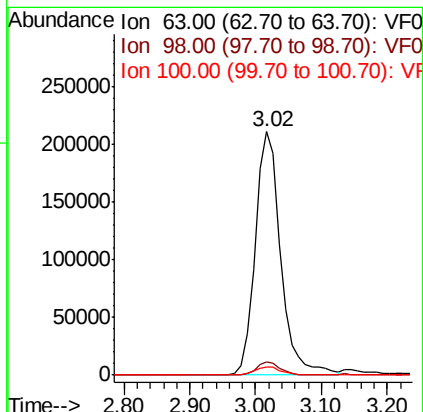
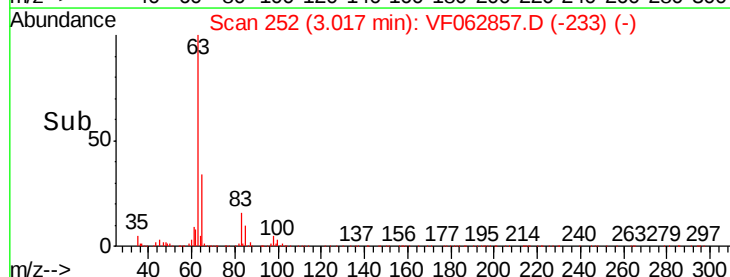
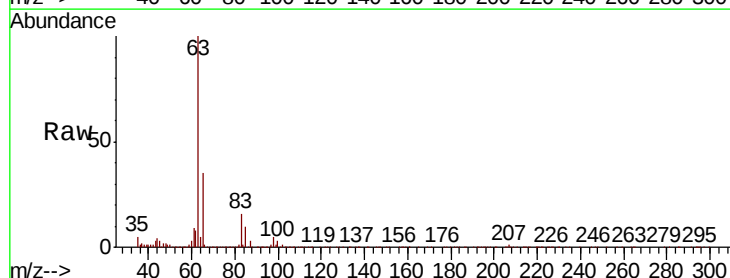
Tgt Ion: 63 Resp: 570490

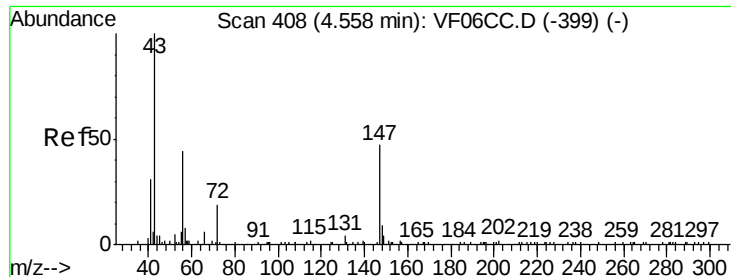
Ion Ratio Lower Upper

63 100

98 5.3 2.4 7.1

100 3.4 1.5 4.5





#25

2-Butanone

Concen: 243.617 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

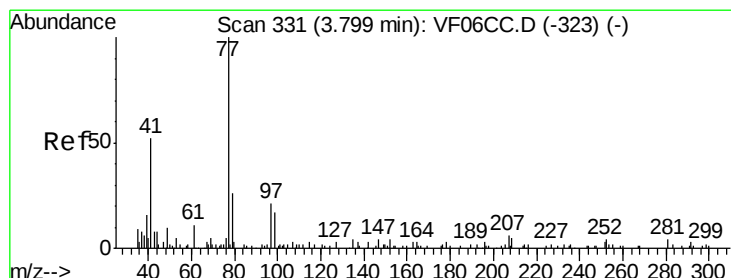
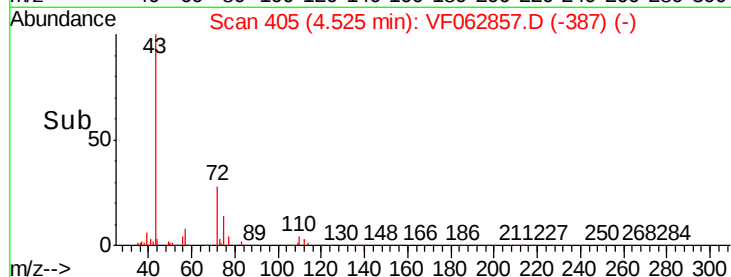
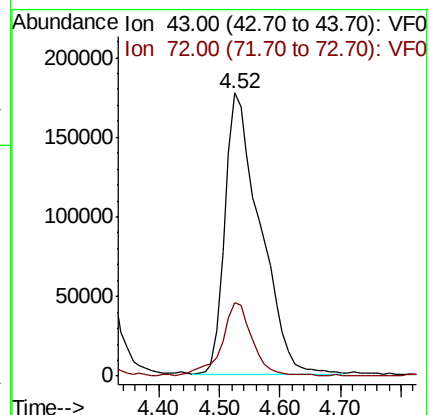
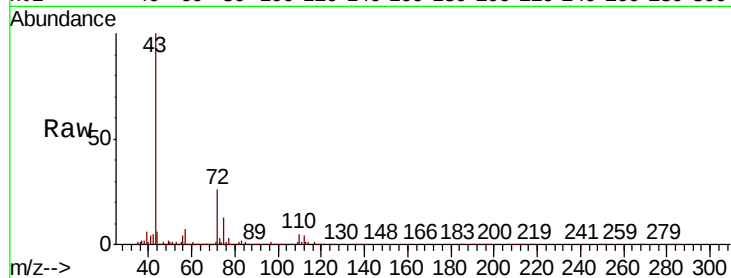
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 710975

Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.0



#26

2,2-Dichloropropane

Concen: 55.939 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.02 min

Lab File: VF062857.D

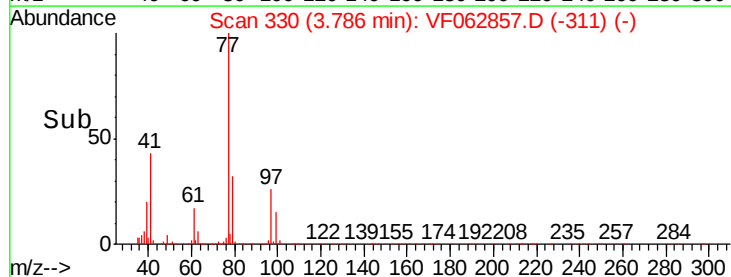
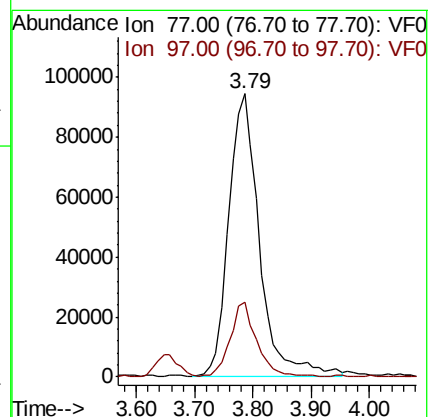
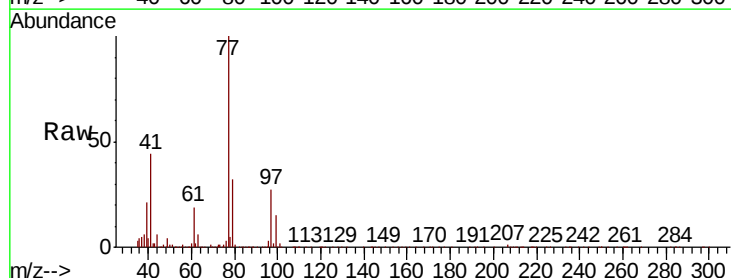
Acq: 4 Jun 2019 23:46

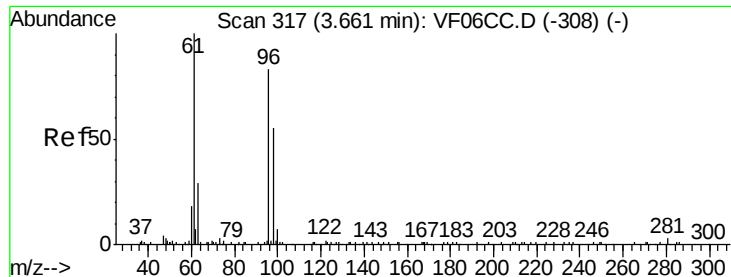
Tgt Ion: 77 Resp: 343935

Ion Ratio Lower Upper

77 100

97 26.5 12.4 37.4



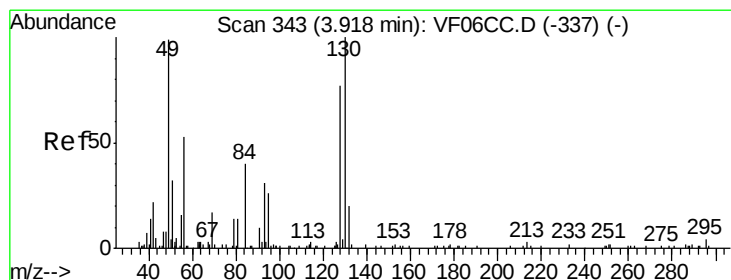
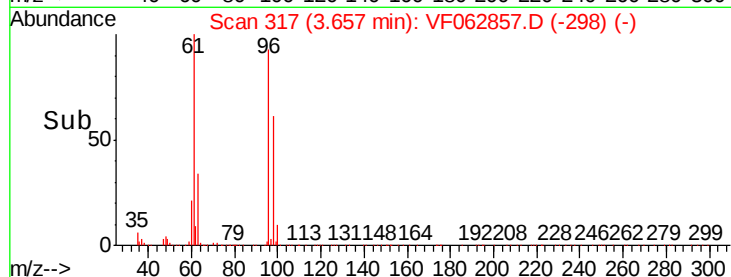
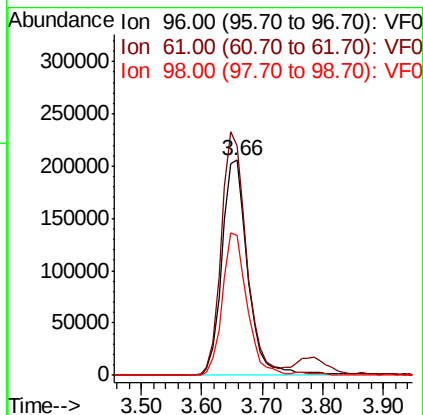
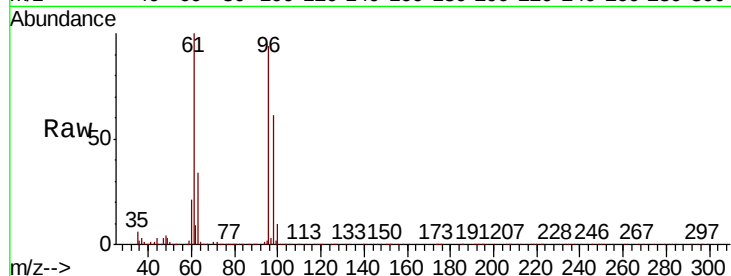


#27

cis-1,2-Dichloroethene
Concen: 54.867 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

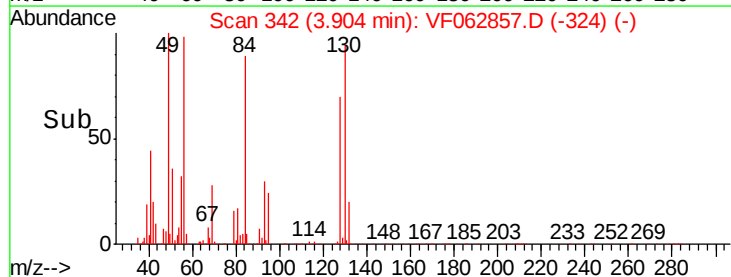
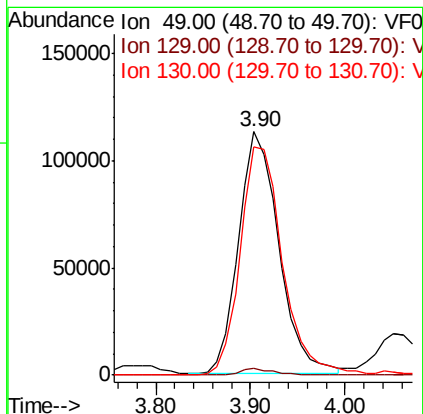
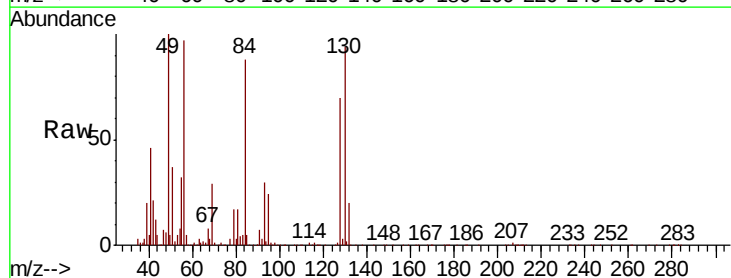
Tot Ion	Ratio	Lower	Upper
96	100		
61	106.8	0.0	213.8
98	65.0	0.0	127.0

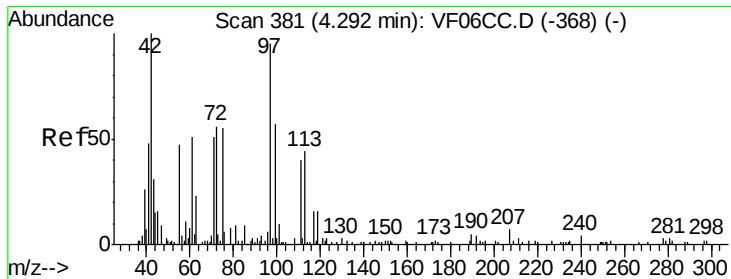


#28

Bromochloromethane
Concen: 56.581 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.5	79.2	118.8

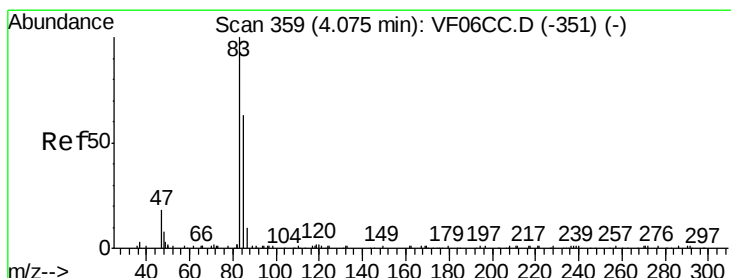
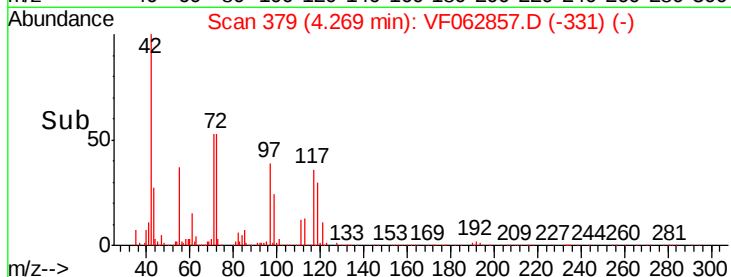
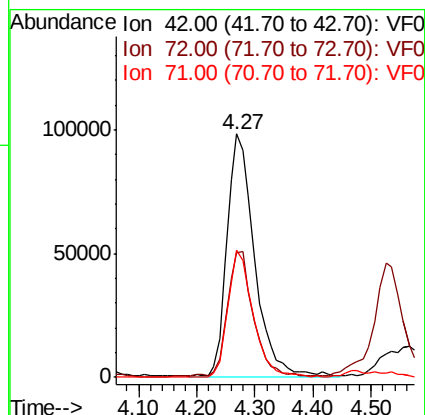
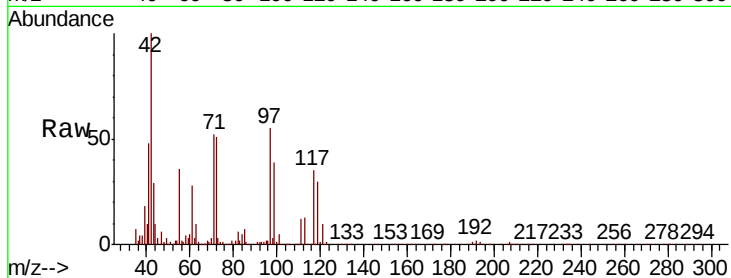




#29
Tetrahydrofuran
Concen: 287.963 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

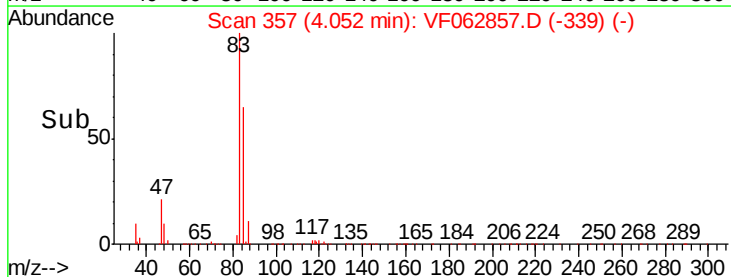
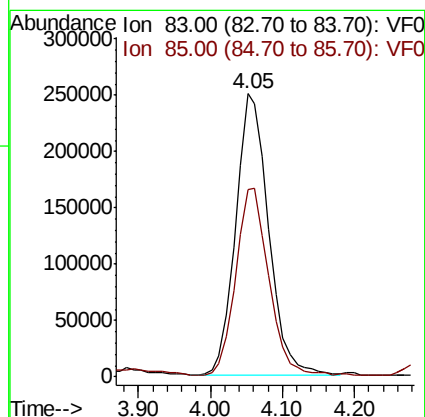
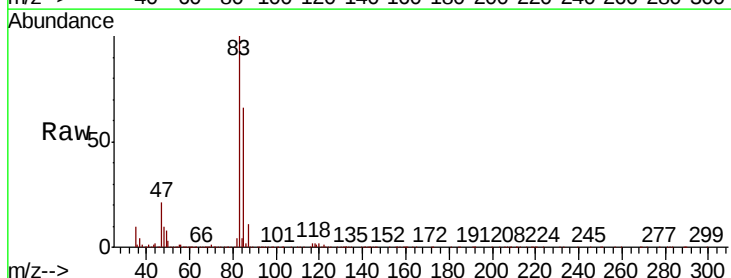
Instrument :
MSVOA_F
ClientSampleId :

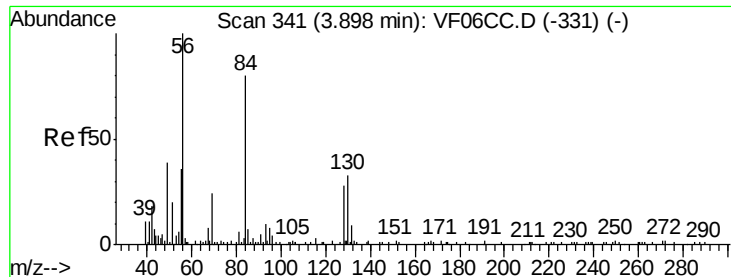
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.0	58.6
71	48.4	36.9	55.3



#30
Chloroform
Concen: 52.130 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	55.0	82.6

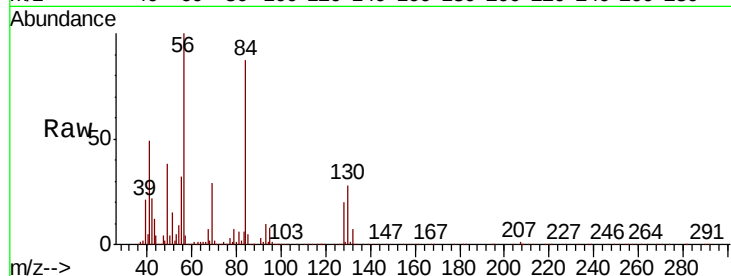




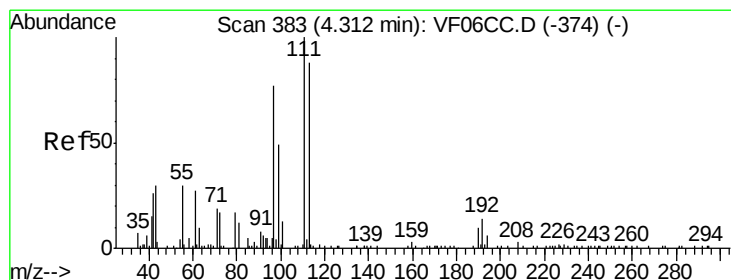
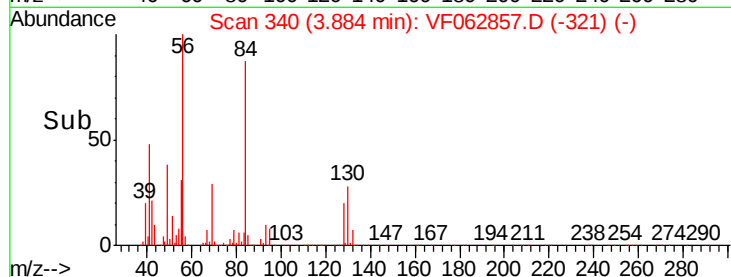
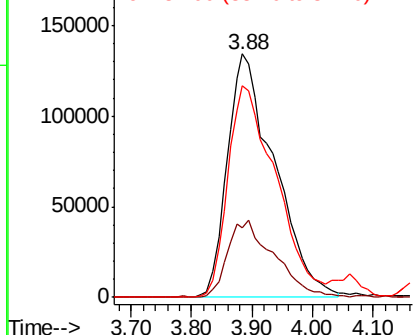
#31
Cyclohexane
Concen: 49.205 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 721364
Ion Ratio Lower Upper
56 100
69 28.8 26.7 40.1
84 87.2 74.3 111.5

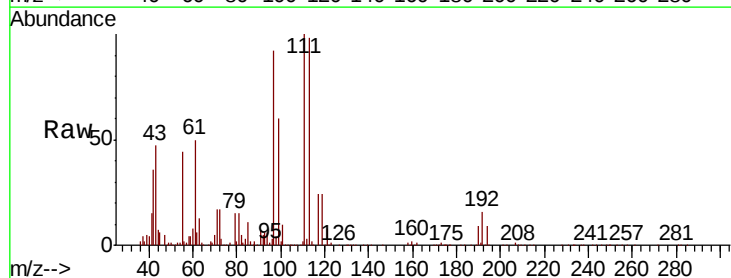


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

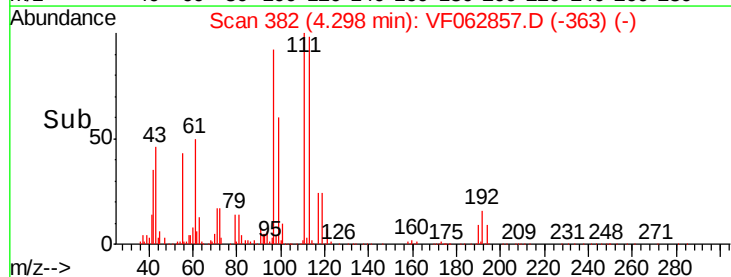
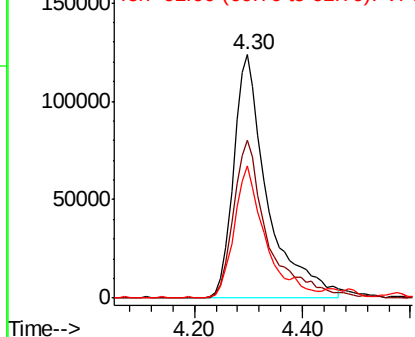


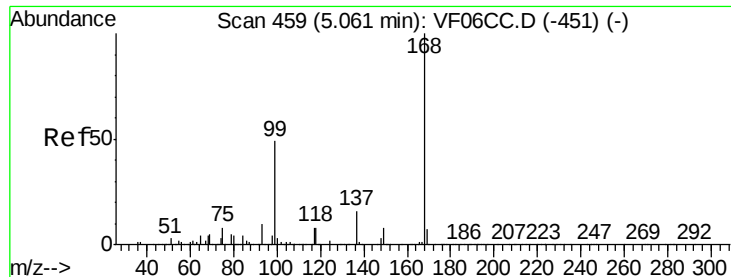
#32
1,1,1-Trichloroethane
Concen: 60.667 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 97 Resp: 539060
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 54.6 38.9 58.3



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





#33

1,2-Dichloroethane-d4

Concen: 52.229 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

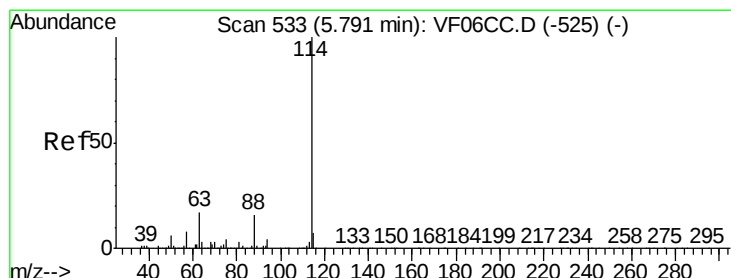
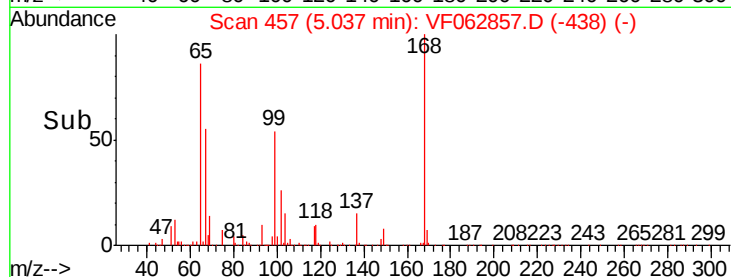
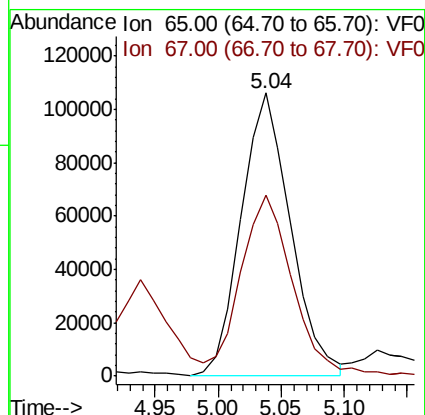
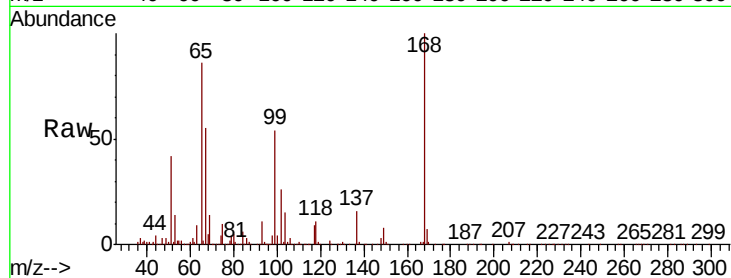
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 285975

Ion Ratio Lower Upper

65 100

67 63.8 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

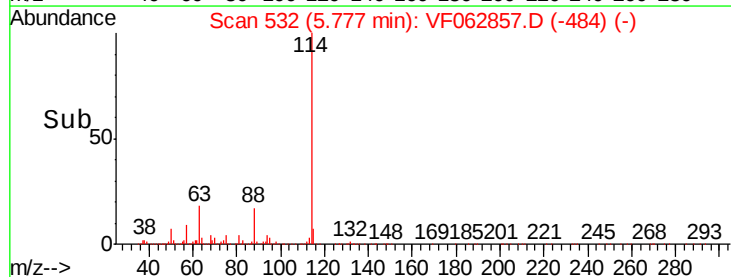
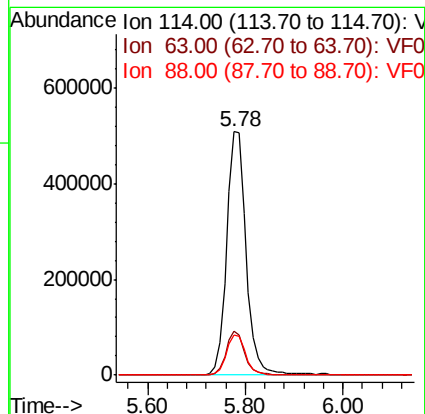
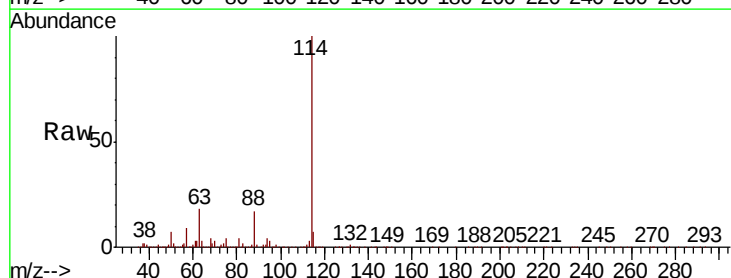
Tgt Ion:114 Resp: 1408079

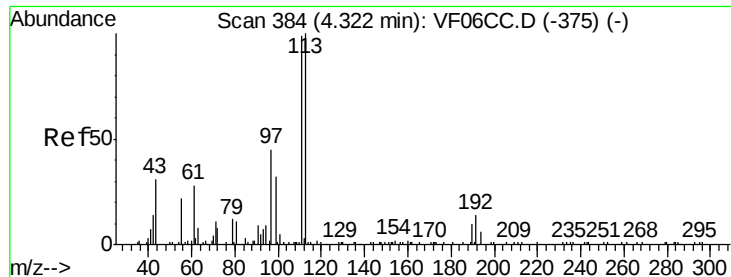
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.2

88 16.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

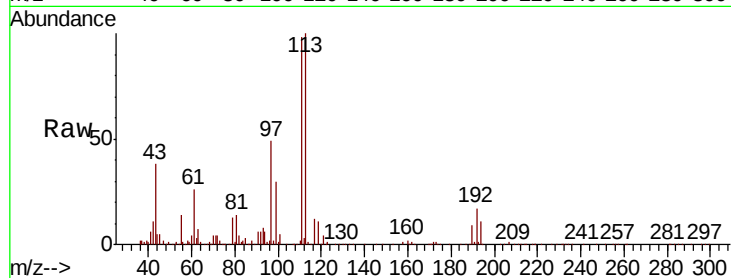
Tot Ion: 113 Resp: 532673

Ion	Ratio	Lower	Upper
113	100		
111	98.5	81.9	122.9
192	17.5	15.1	22.7

113 100

111 98.5 81.9 122.9

192 17.5 15.1 22.7

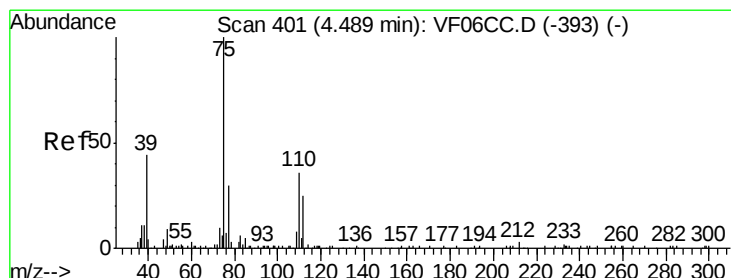
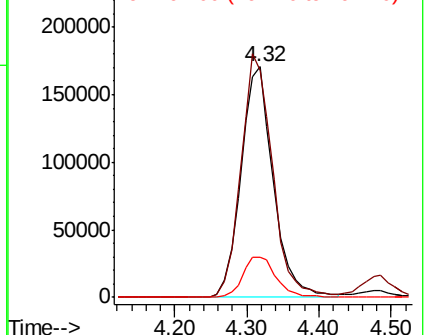
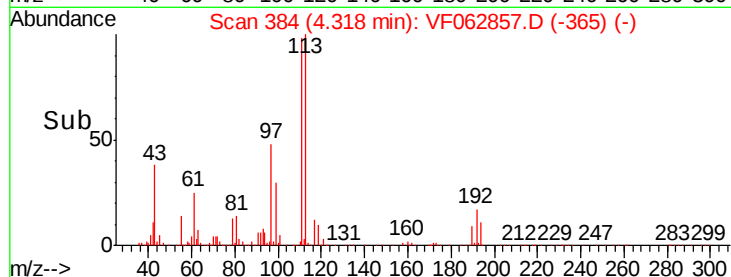


Abundance

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: 48.283 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

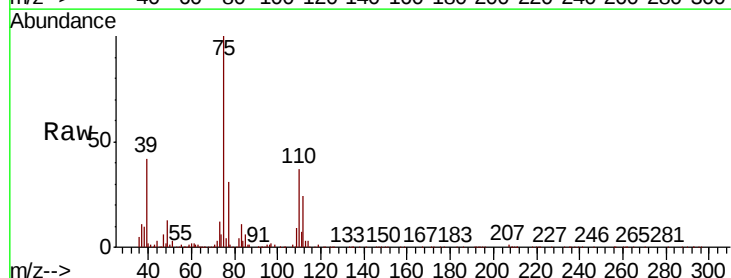
Tgt Ion: 75 Resp: 625881

Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.4	58.1
77	31.5	25.4	38.2

75 100

110 37.4 19.4 58.1

77 31.5 25.4 38.2

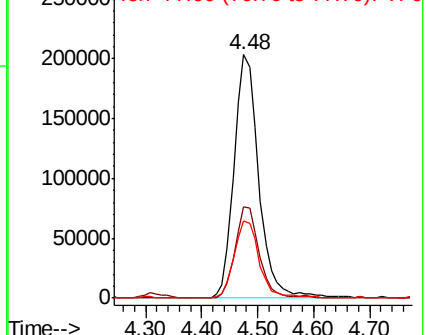
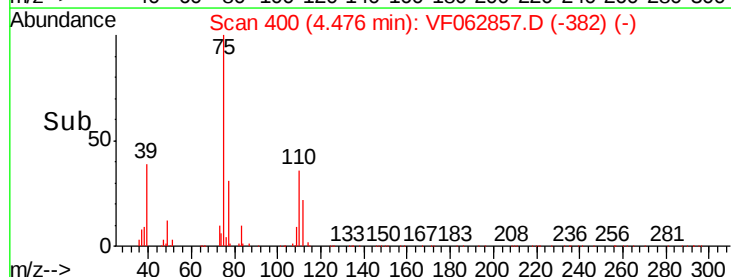


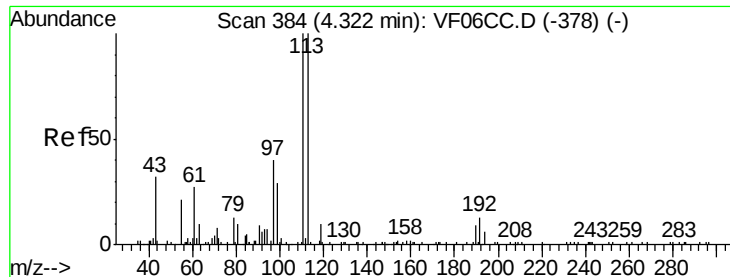
Abundance

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

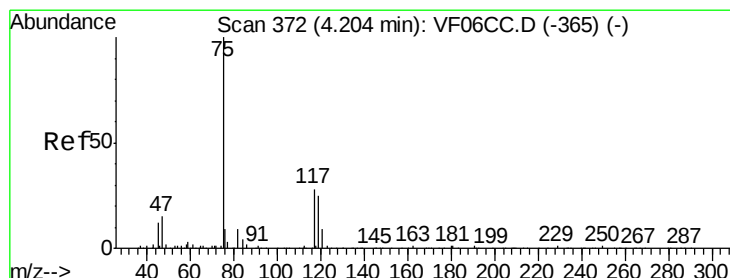
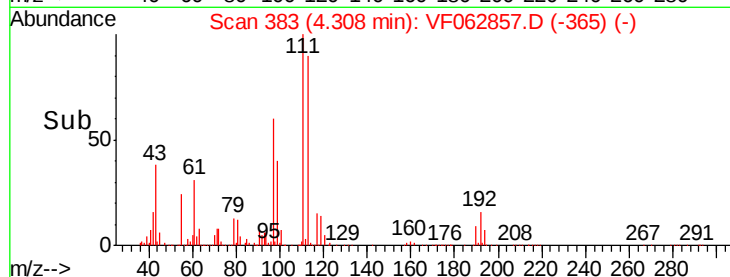
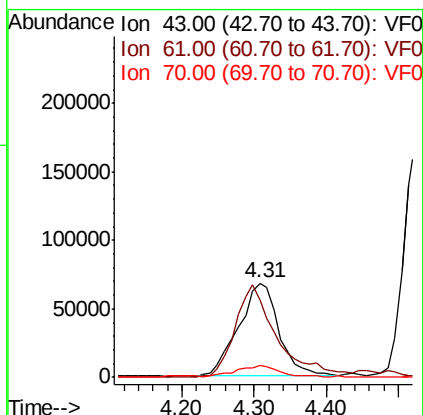
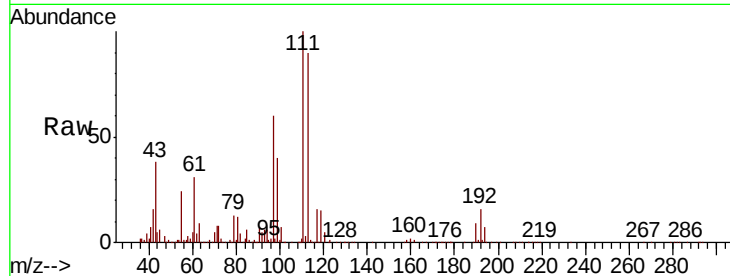




#37
Ethyl Acetate
Concen: 53.276 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

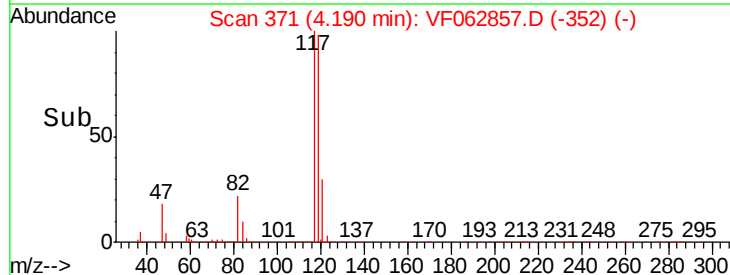
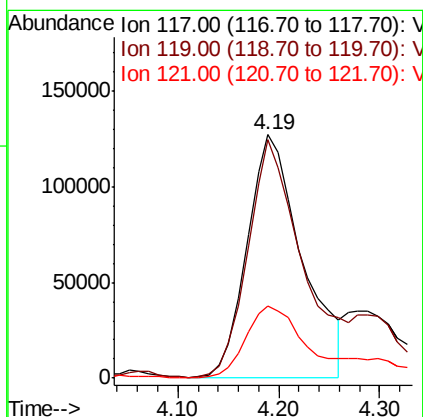
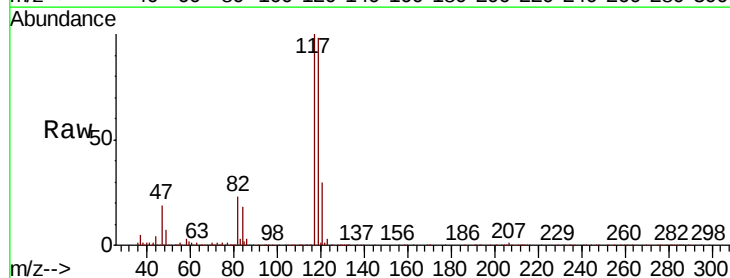
Instrument :
MSVOA_F
ClientSampleId :

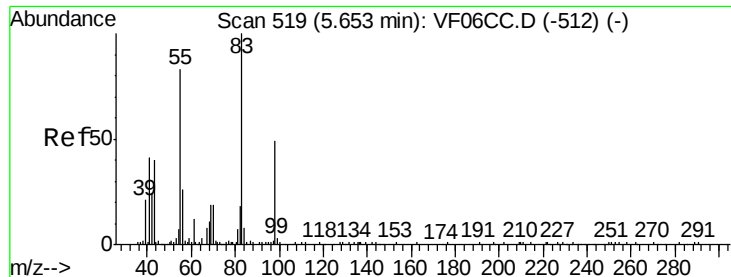
Tot Ion	43	Resp	263992
Ion Ratio	Lower	Upper	
43	100		
61	81.2	59.1	88.7
70	13.2	10.1	15.1



#38
Carbon Tetrachloride
Concen: 54.948 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	117	Resp	481378
Ion Ratio	Lower	Upper	
117	100		
119	98.1	78.2	117.2
121	29.6	28.2	42.2

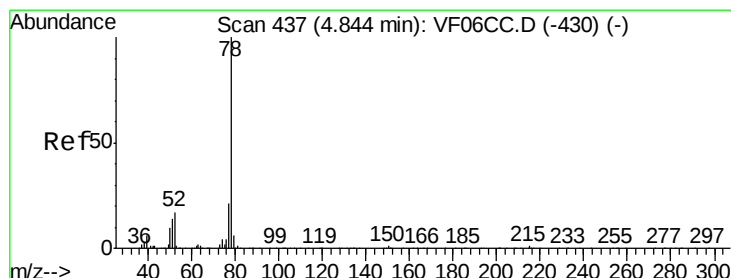
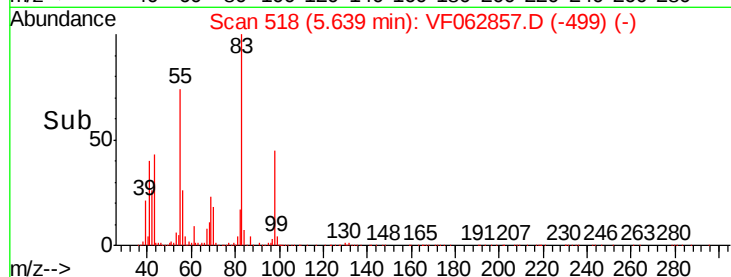
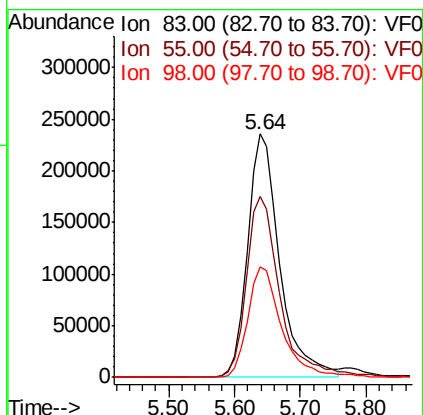
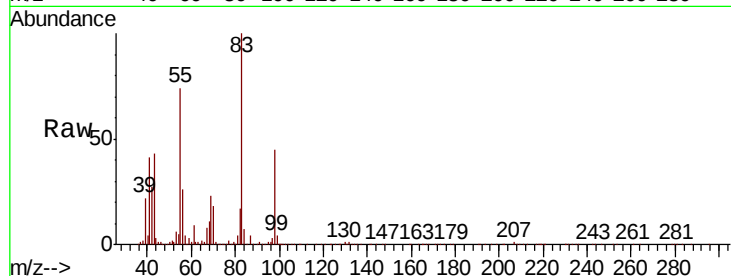




#39
Methvlcvclohexane
Concen: 50.035 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

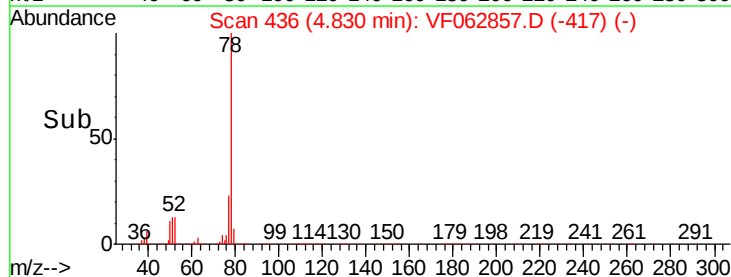
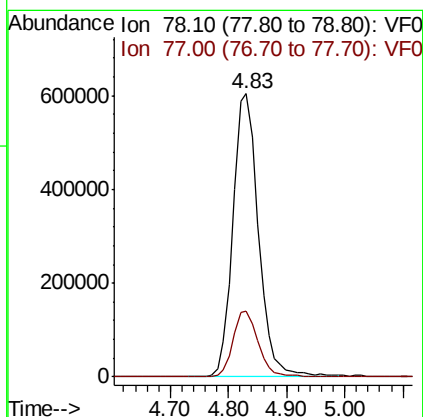
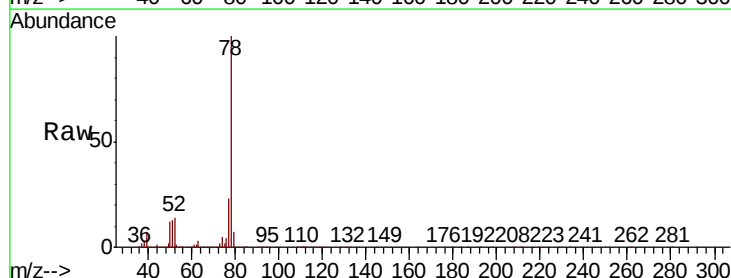
Instrument :
MSVOA_F
ClientSampleId :

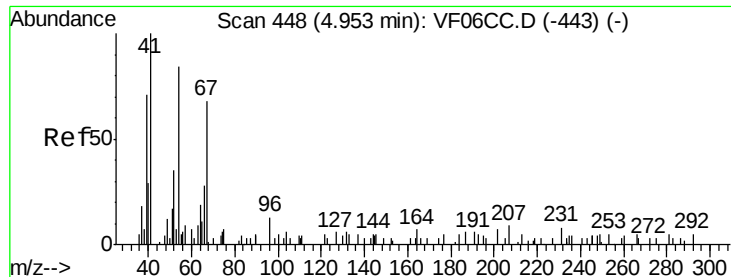
Tot Ion: 83 Resp: 807223
Ion Ratio Lower Upper
83 100
55 74.1 61.6 92.4
98 45.3 37.4 56.2



#40
Benzene
Concen: 48.943 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 78 Resp: 1846446
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3





#41

Methacrylonitrile

Concen: 50.309 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 138586

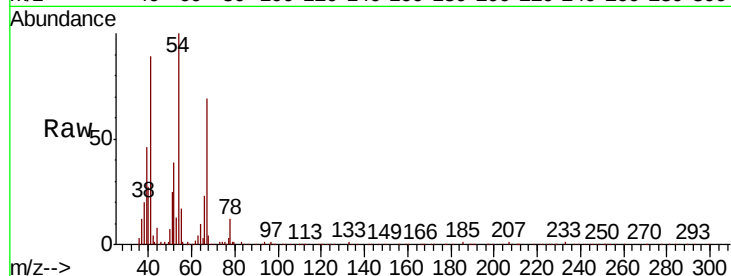
Ion Ratio Lower Upper

41 100

39 52.5 42.0 63.0

67 78.4 61.4 92.0

52 43.7 42.1 63.1

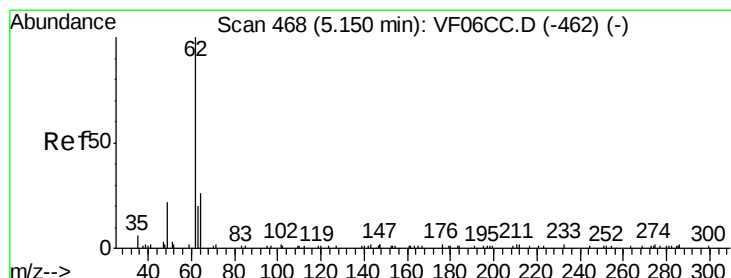
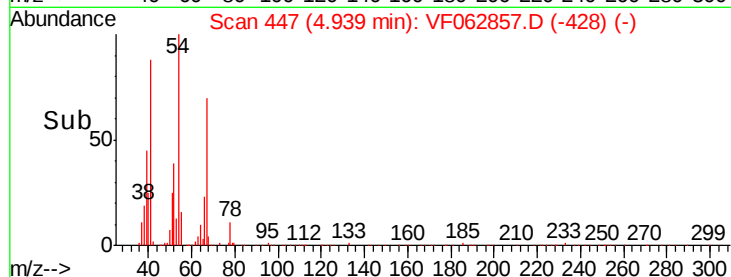
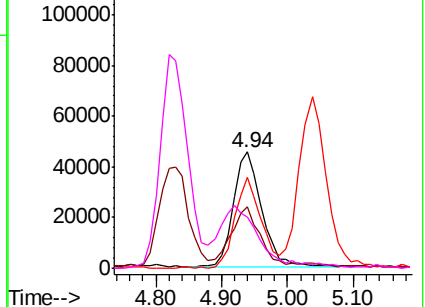


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 51.270 ug/l

RT: 5.14 min Scan# 467

Delta R.T. -0.02 min

Lab File: VF062857.D

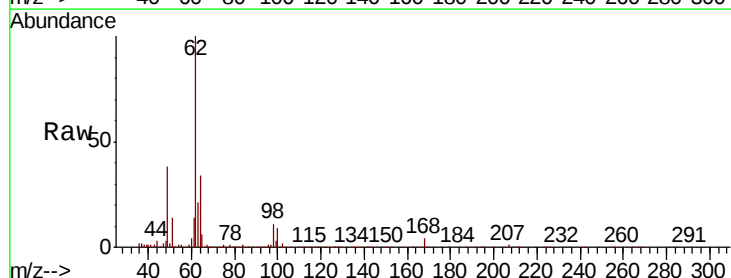
Acq: 4 Jun 2019 23:46

Tgt Ion: 62 Resp: 367870

Ion Ratio Lower Upper

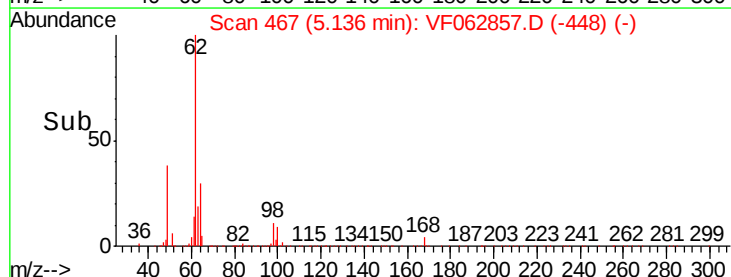
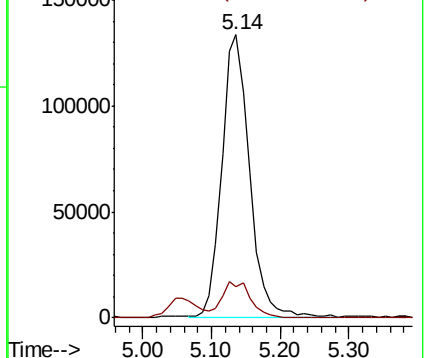
62 100

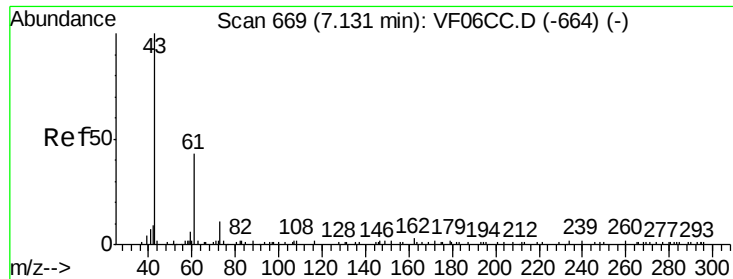
98 11.2 0.0 24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 51.056 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

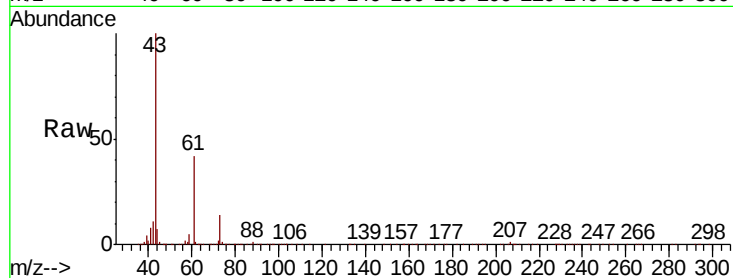
Tot Ion: 43 Resp: 334202

Ion Ratio Lower Upper

43 100

61 41.7 29.8 44.6

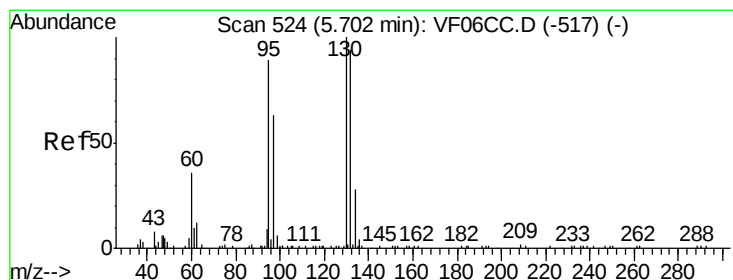
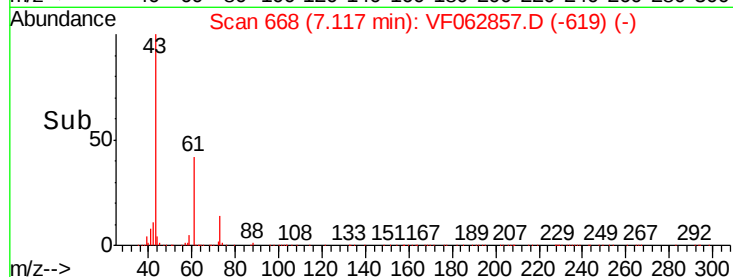
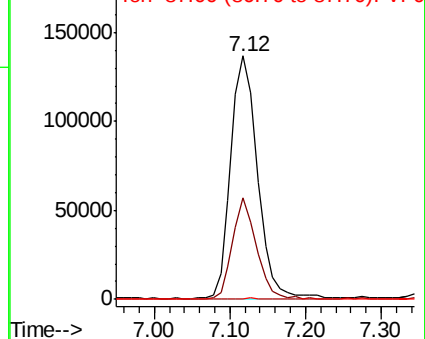
87 0.4 0.3 0.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 49.600 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.02 min

Lab File: VF062857.D

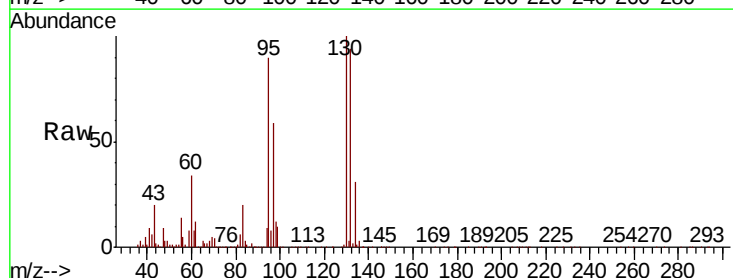
Acq: 4 Jun 2019 23:46

Tgt Ion: 130 Resp: 528096

Ion Ratio Lower Upper

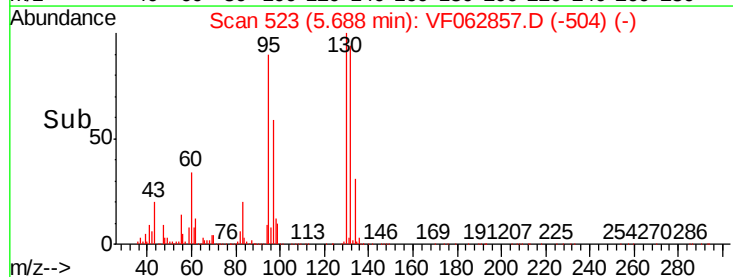
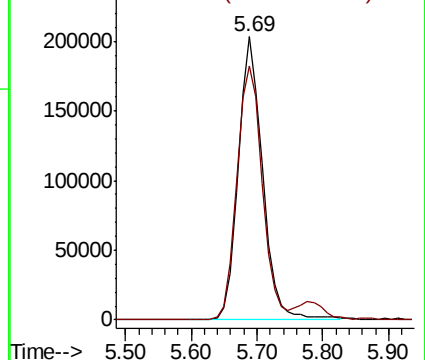
130 100

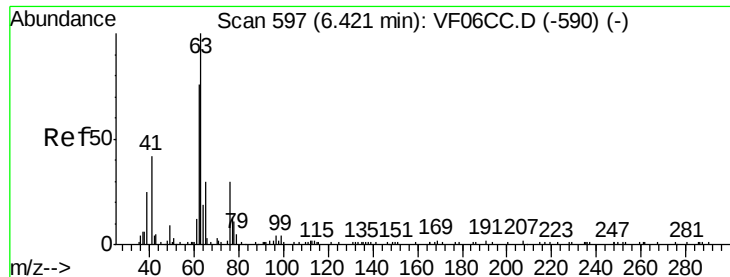
95 89.7 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 51.292 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

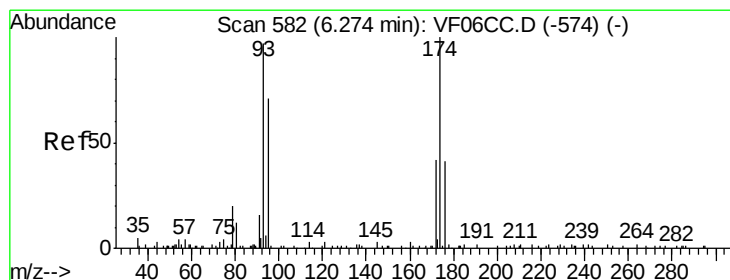
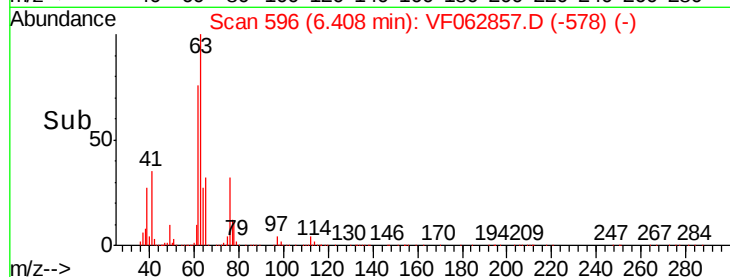
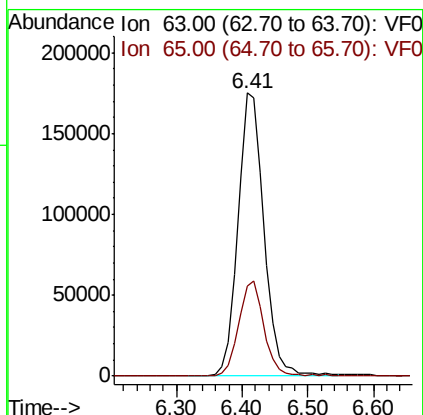
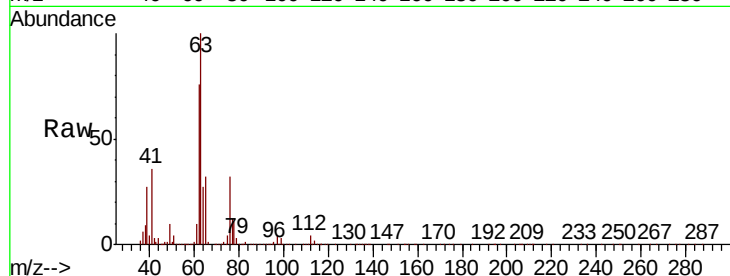
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 485590

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.2



#46

Dibromomethane

Concen: 52.476 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

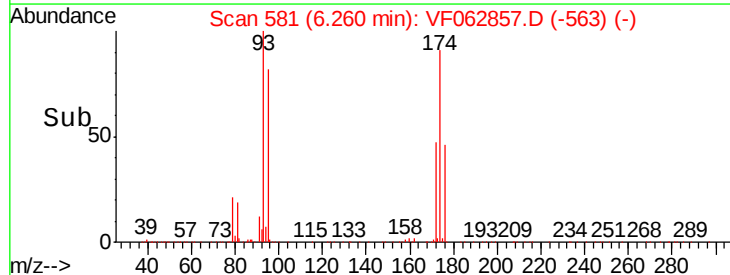
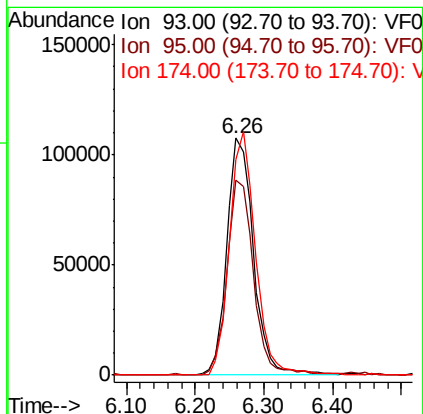
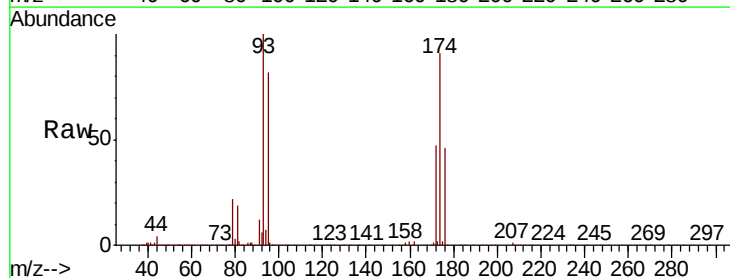
Tgt Ion: 93 Resp: 290055

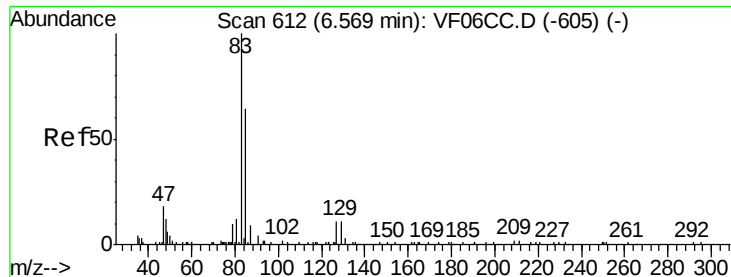
Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

174 91.1 85.0 127.4





#47

Bromodichloromethane

Concen: 50.346 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

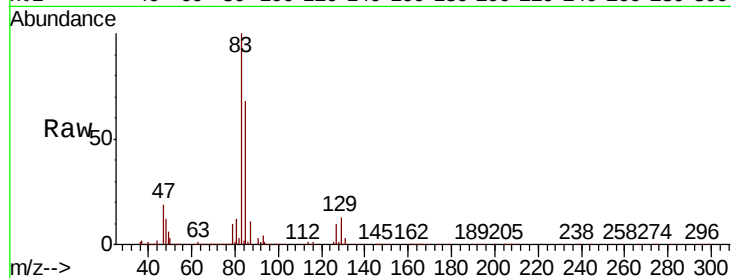
Tot Ion: 83 Resp: 566742

Ion Ratio Lower Upper

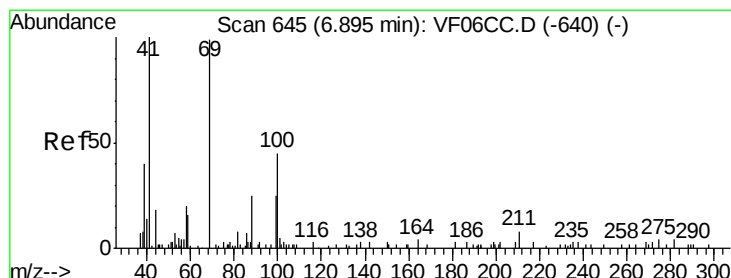
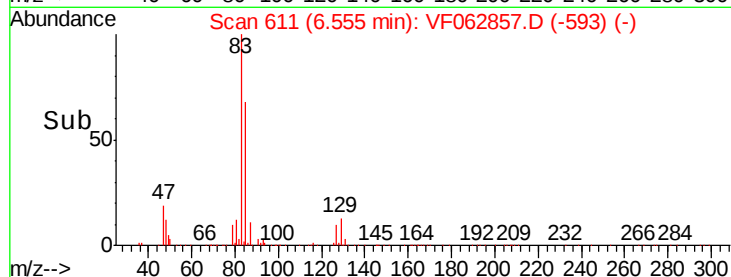
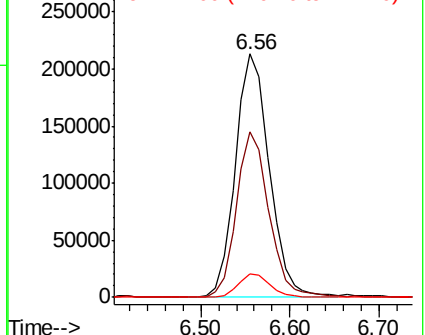
83 100

85 68.2 54.2 81.4

127 9.6 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: 53.776 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

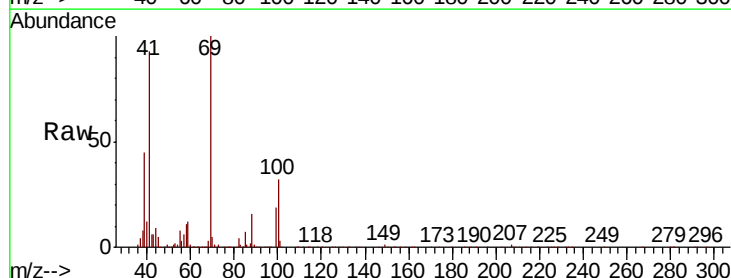
Tgt Ion: 41 Resp: 181413

Ion Ratio Lower Upper

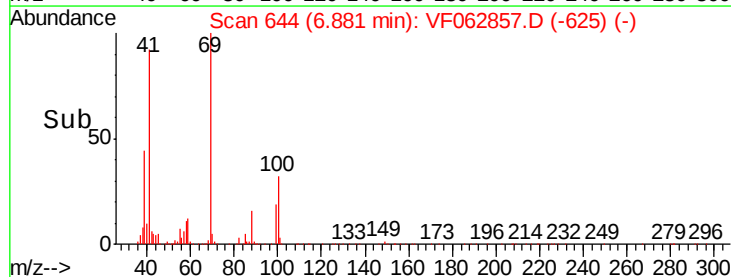
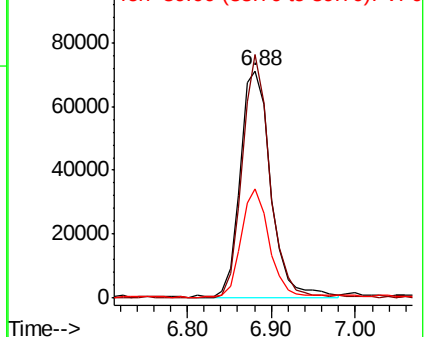
41 100

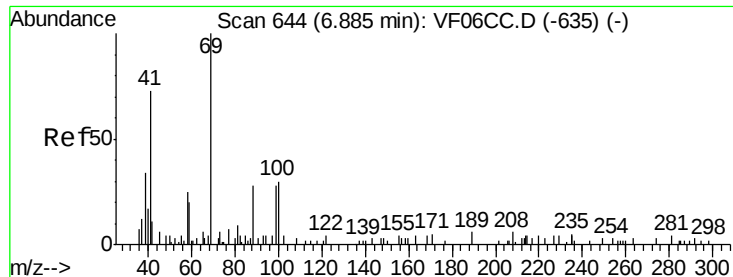
69 107.3 79.4 119.2

39 48.0 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: 1103.914 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

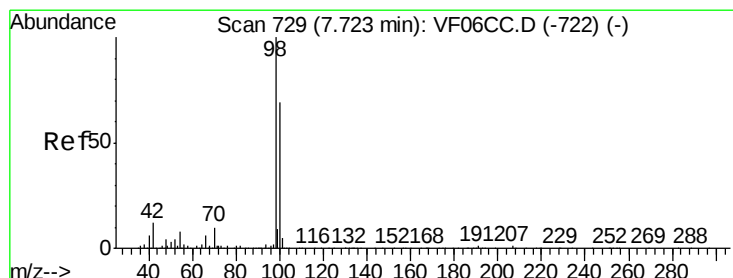
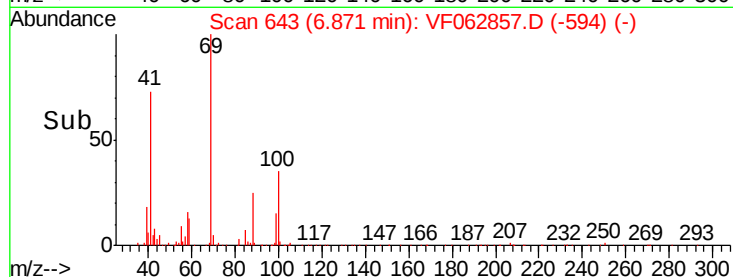
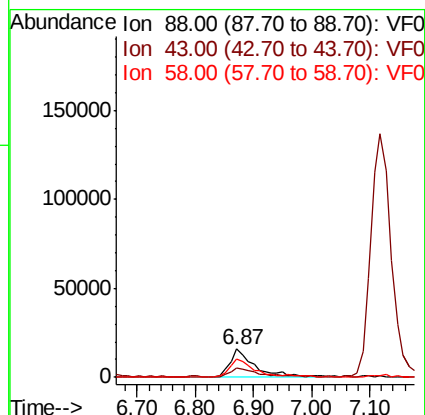
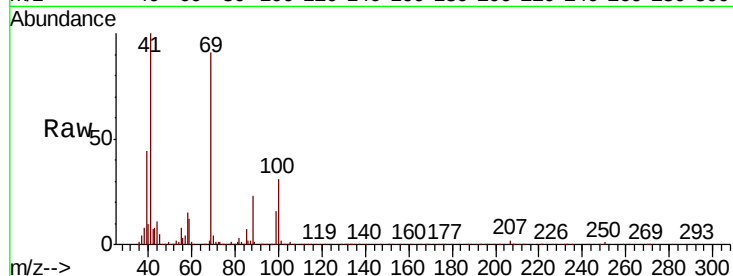
Tot Ion: 88 Resp: 49087

Ion Ratio Lower Upper

88 100

43 33.5 34.8 52.2#

58 63.7 59.9 89.9



#50

Toluene-d8

Concen: 51.013 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062857.D

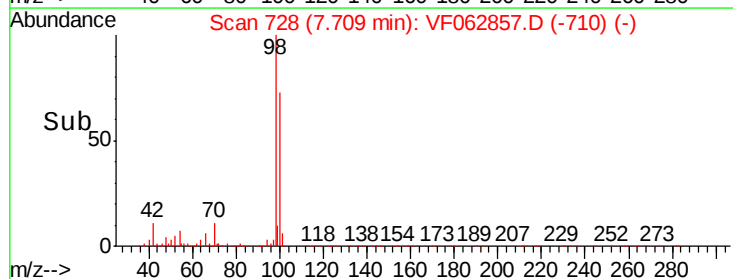
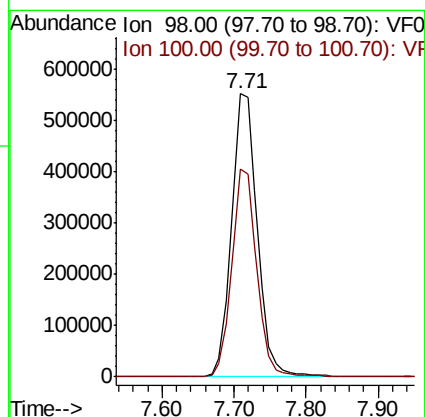
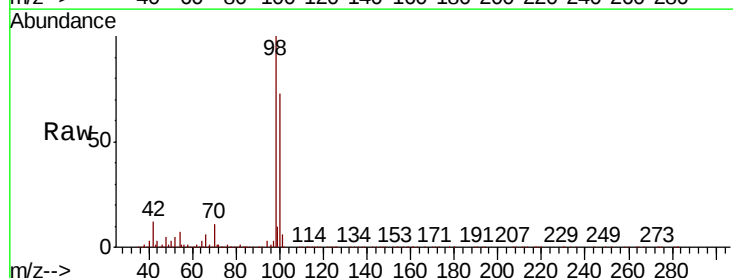
Acq: 4 Jun 2019 23:46

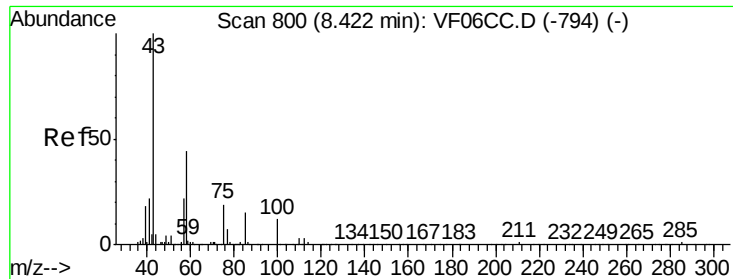
Tgt Ion: 98 Resp: 1372573

Ion Ratio Lower Upper

98 100

100 73.4 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 272.162 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

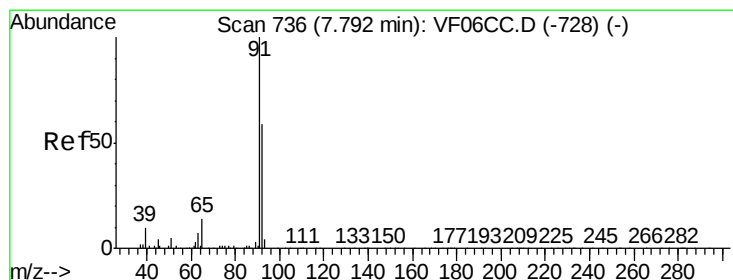
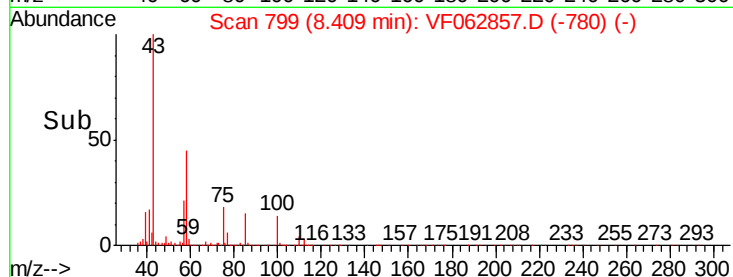
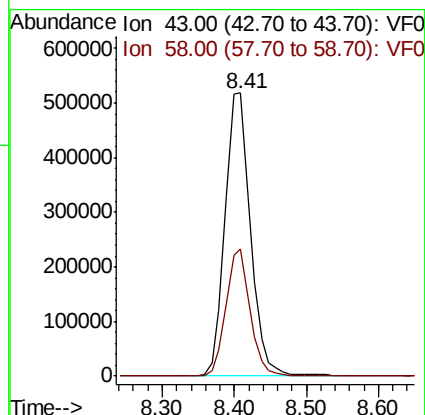
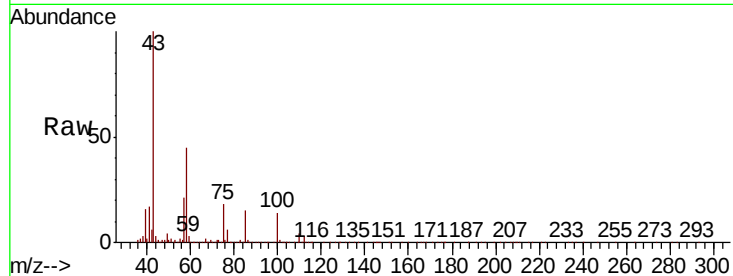
ClientSampled :

Tot Ion: 43 Resp: 1271901

Ion Ratio Lower Upper

43 100

58 45.1 35.5 53.3



#52

Toluene

Concen: 50.753 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062857.D

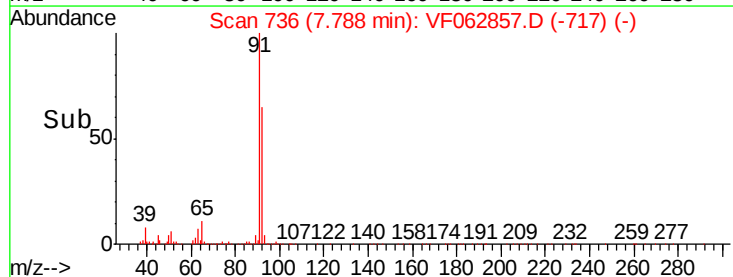
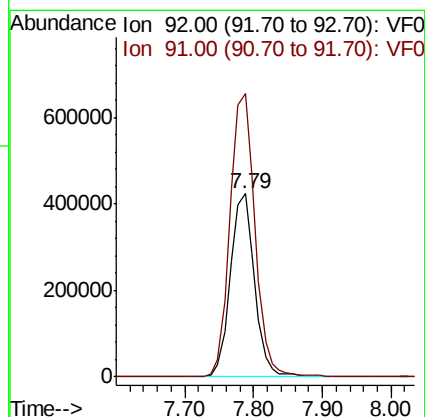
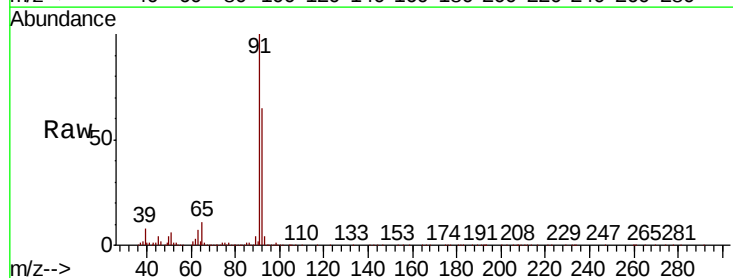
Acq: 4 Jun 2019 23:46

Tgt Ion: 92 Resp: 1031286

Ion Ratio Lower Upper

92 100

91 154.3 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 52.964 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

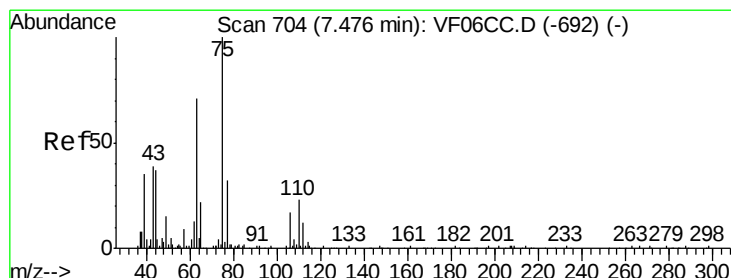
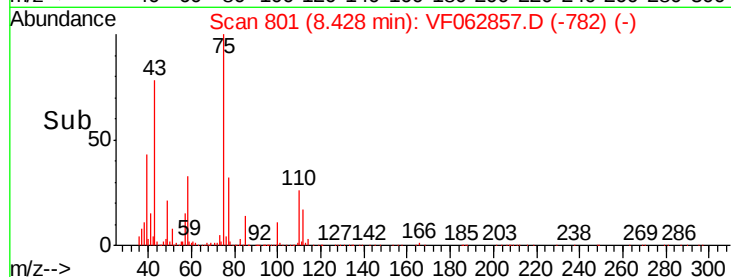
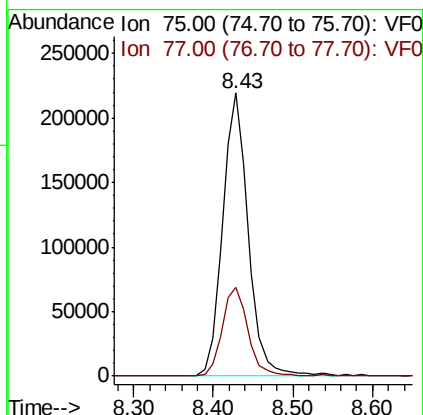
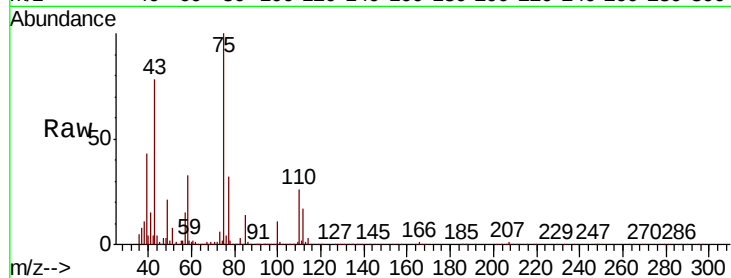
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 494043

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 50.429 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

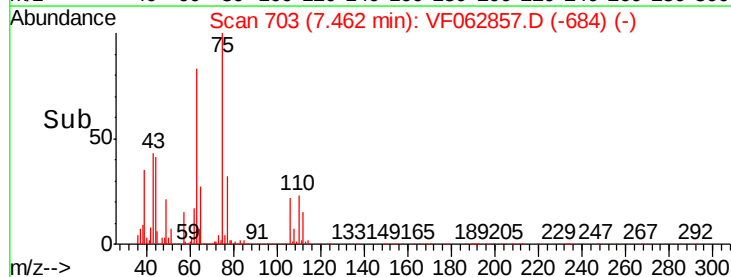
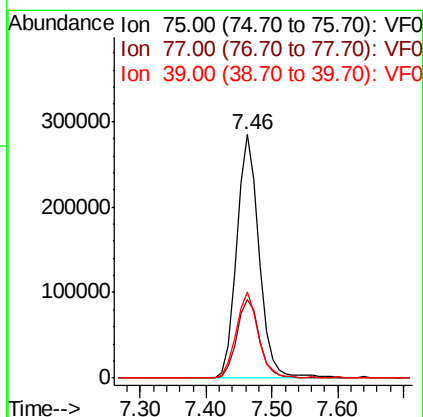
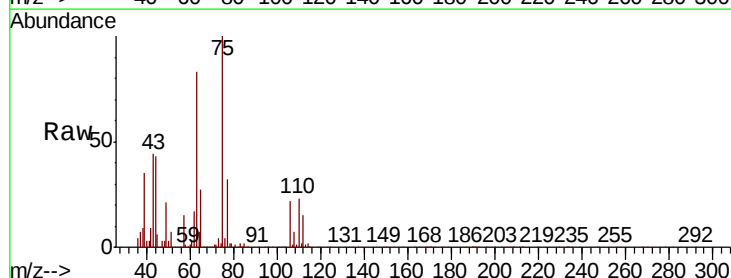
Tgt Ion: 75 Resp: 680918

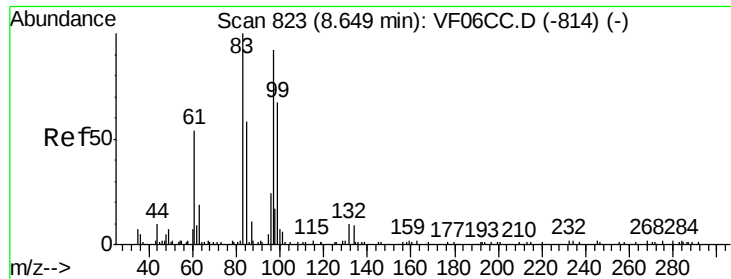
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 35.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 54.539 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 331075

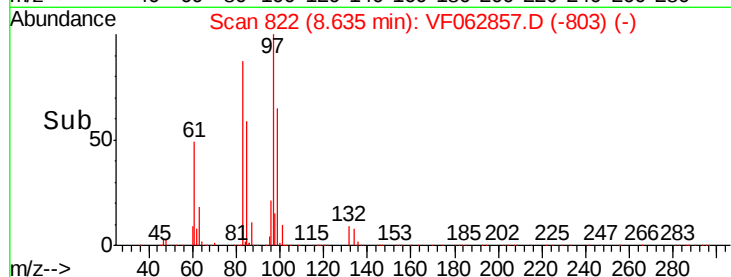
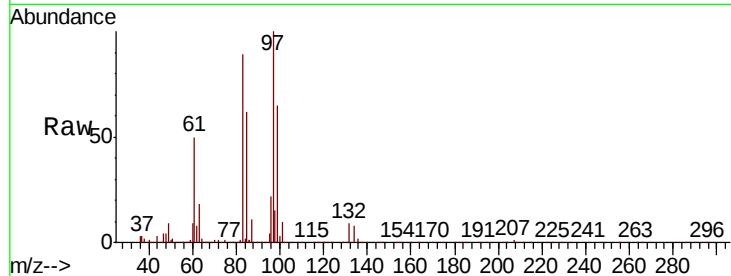
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.0	108.0
85	61.9	47.5	71.3
99	64.8	54.1	81.1

97 100

83 89.1 72.0 108.0

85 61.9 47.5 71.3

99 64.8 54.1 81.1

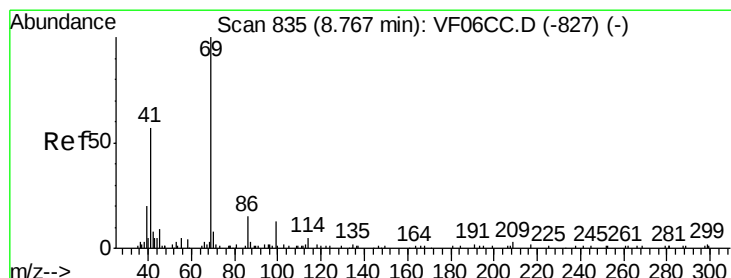
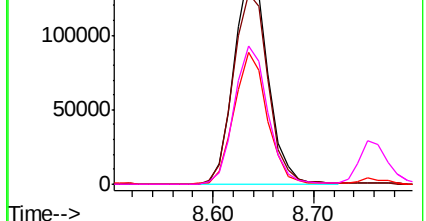


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 55.395 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

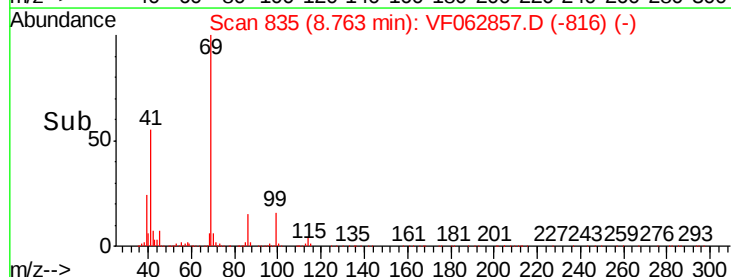
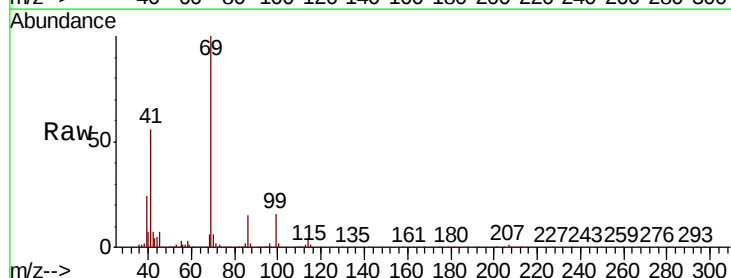
Tgt Ion: 69 Resp: 360814

Ion	Ratio	Lower	Upper
69	100		
41	56.1	46.6	69.8
39	24.1	19.6	29.4

69 100

41 56.1 46.6 69.8

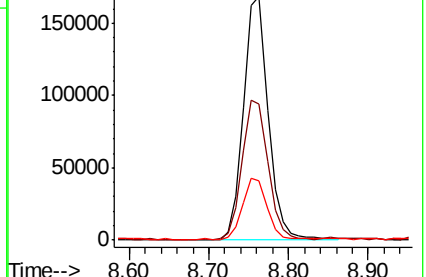
39 24.1 19.6 29.4

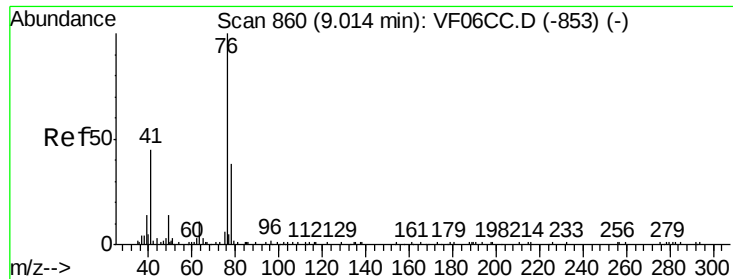


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.570 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

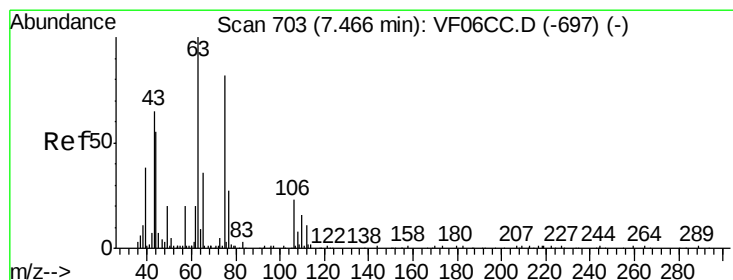
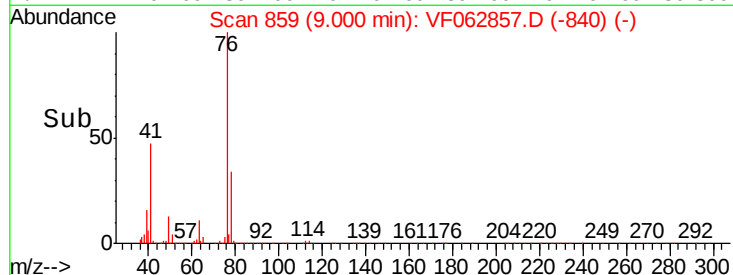
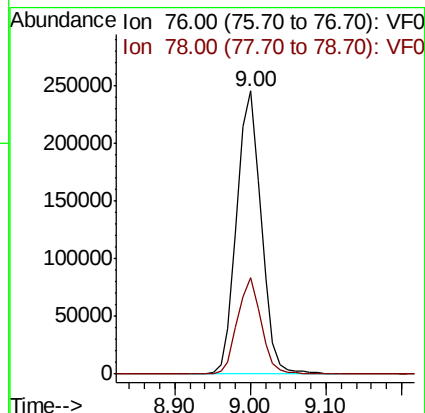
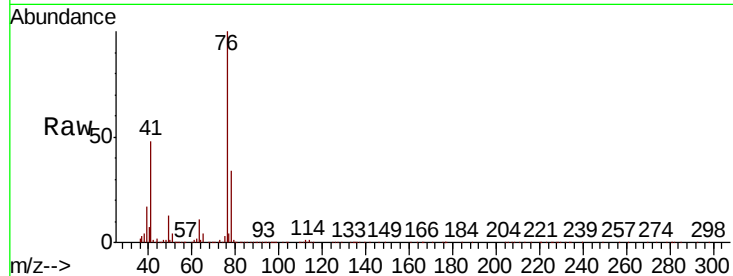
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 550872

Ion Ratio Lower Upper

76 100

78 34.0 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 282.568 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062857.D

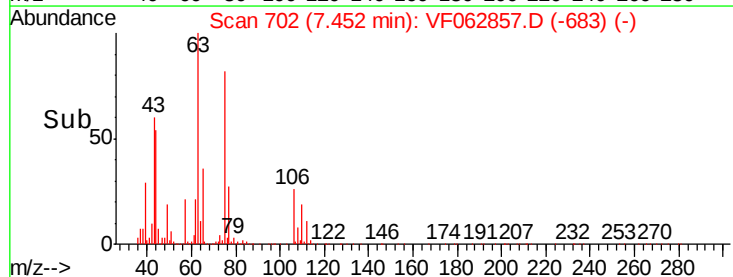
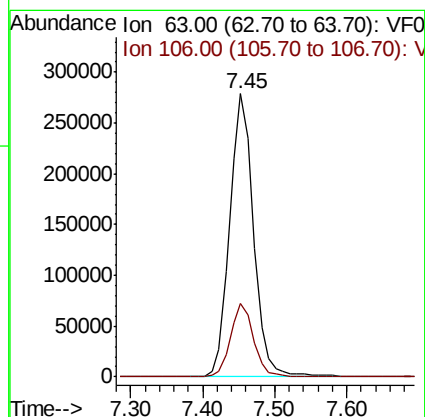
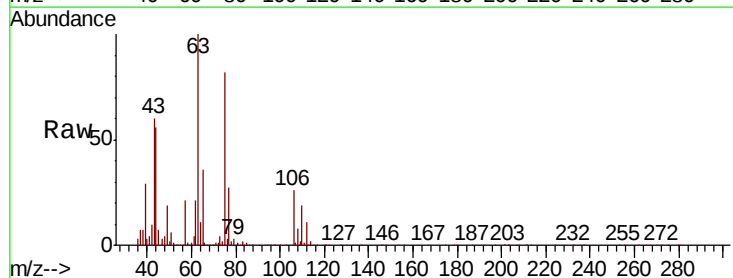
Acq: 4 Jun 2019 23:46

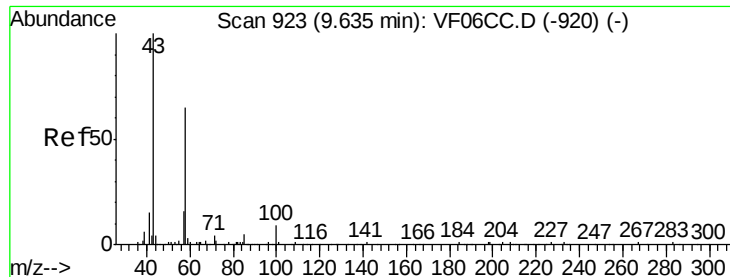
Tgt Ion: 63 Resp: 643232

Ion Ratio Lower Upper

63 100

106 25.9 19.5 29.3

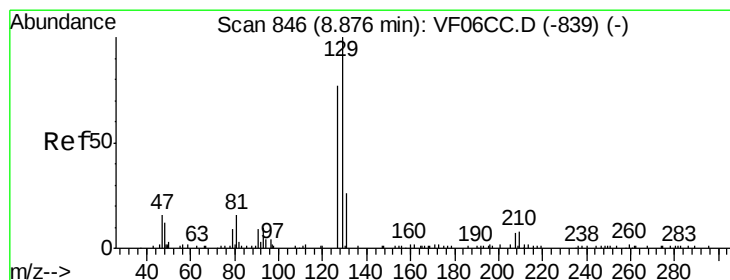
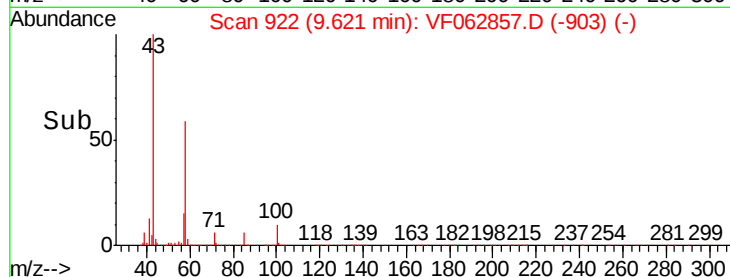
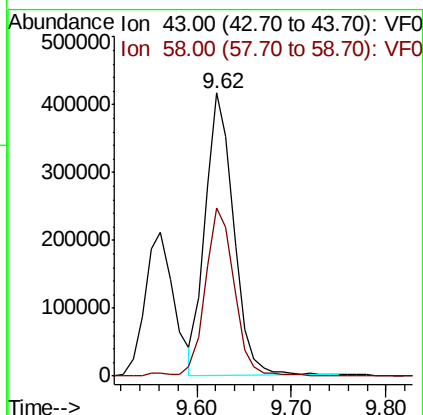
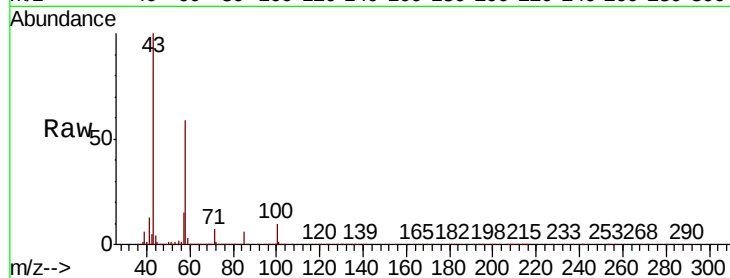




#59
2-Hexanone
Concen: 261.610 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

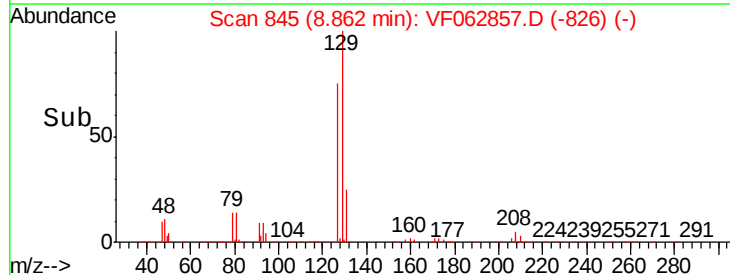
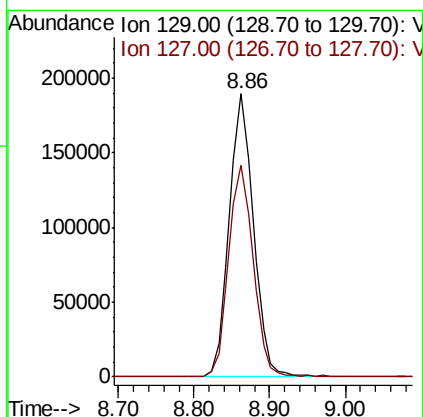
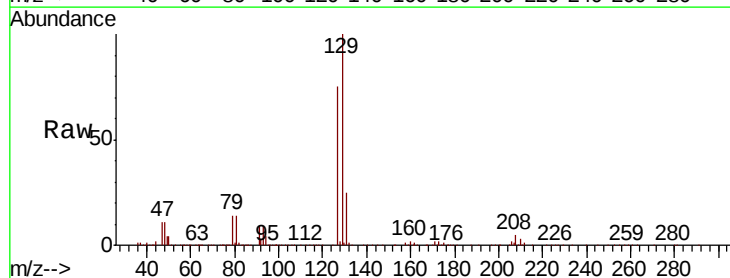
Instrument :
MSVOA_F
ClientSampled :

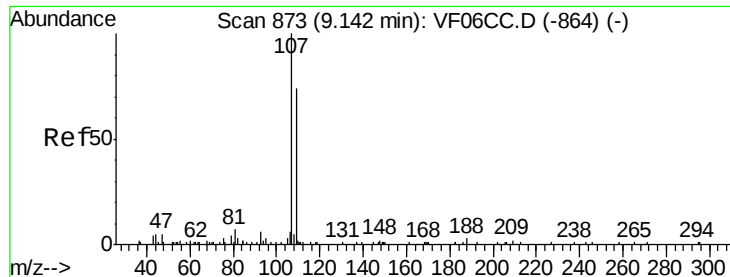
Tot Ion: 43 Resp: 871420
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9



#60
Dibromochloromethane
Concen: 56.034 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion:129 Resp: 421130
Ion Ratio Lower Upper
129 100
127 73.9 37.1 111.3

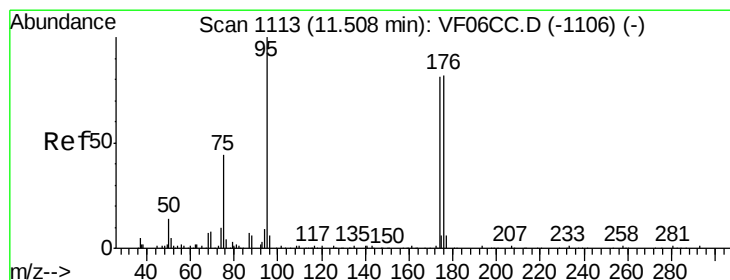
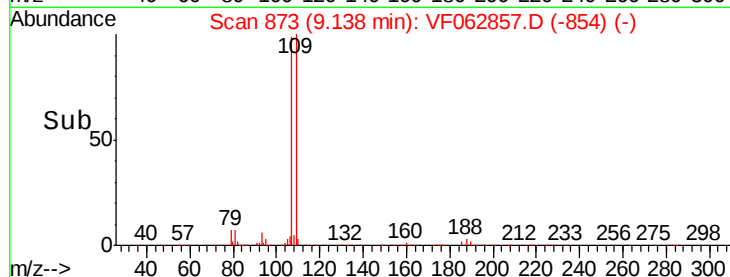
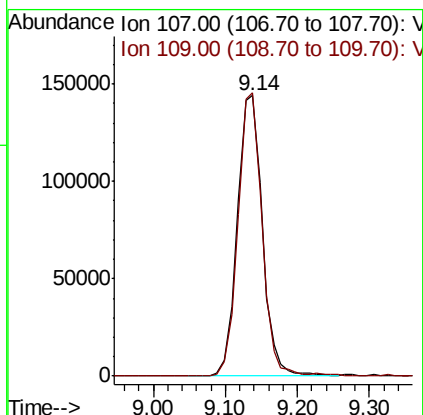
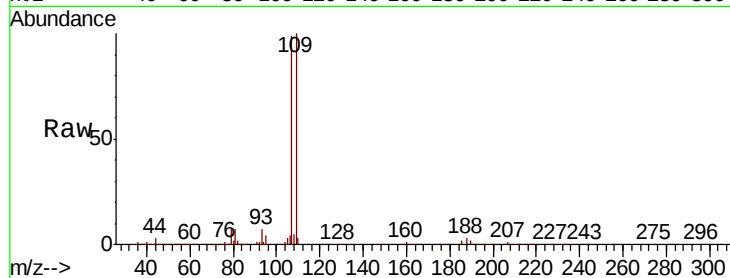




#61
 1,2-Dibromoethane
 Concen: 55.700 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

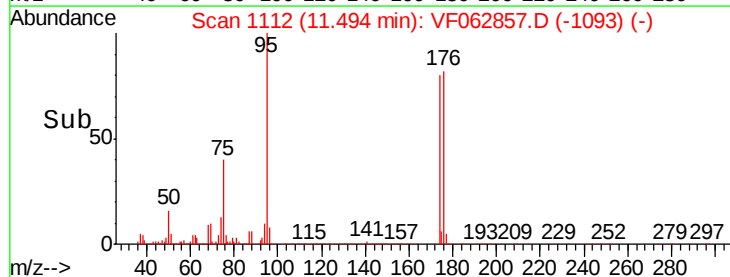
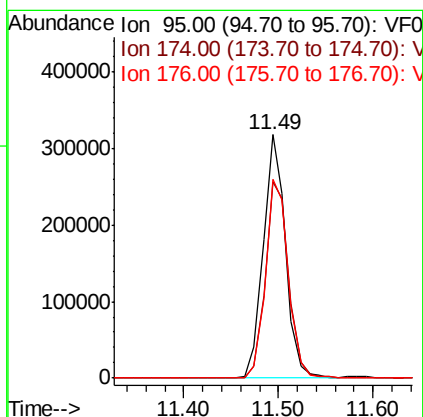
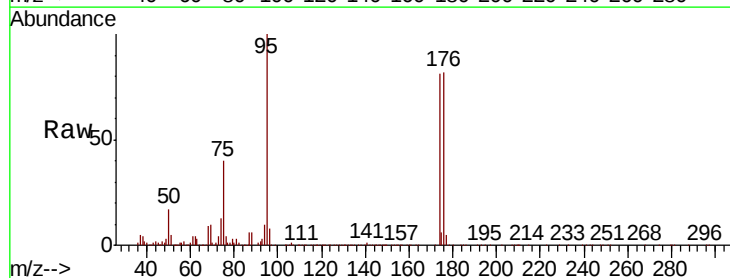
Instrument :
 MSVOA_F
 ClientSampleId :

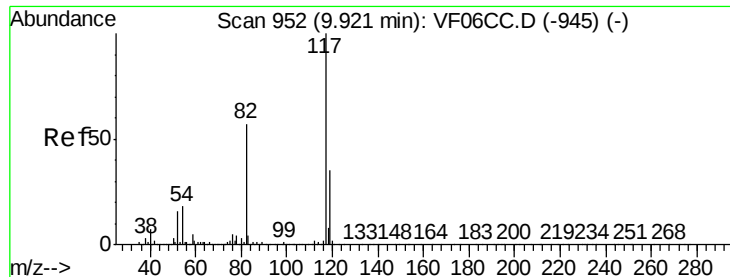
Tot Ion:107 Resp: 351166
 Ion Ratio Lower Upper
 107 100
 109 101.0 78.1 117.1



#62
 4-Bromofluorobenzene
 Concen: 53.972 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion: 95 Resp: 522369
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 170.6
 176 81.6 0.0 170.6

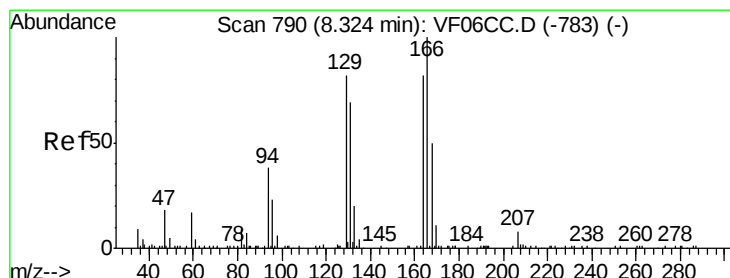
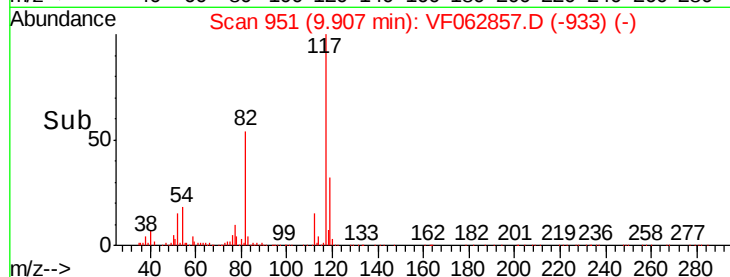
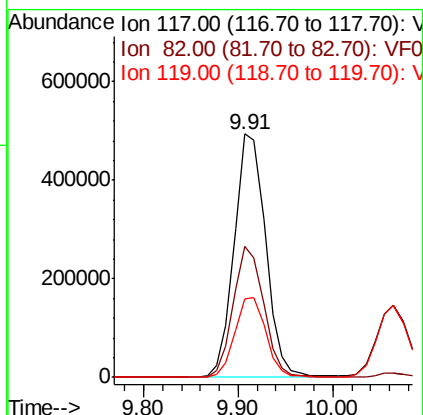
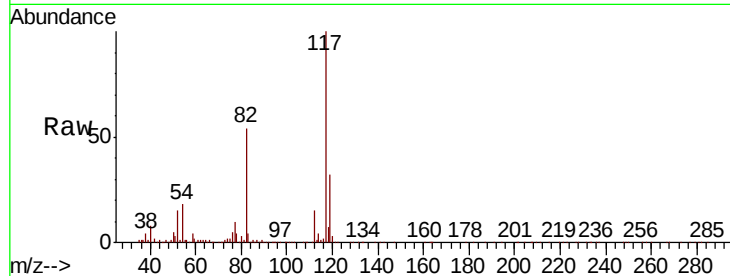




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

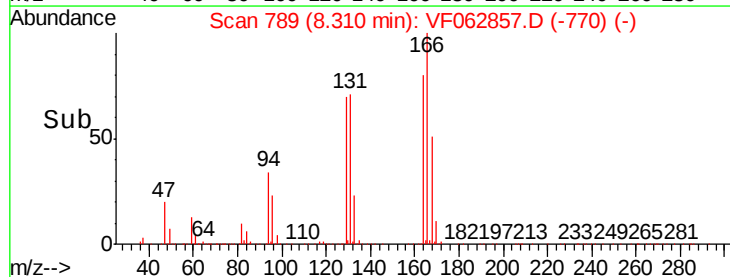
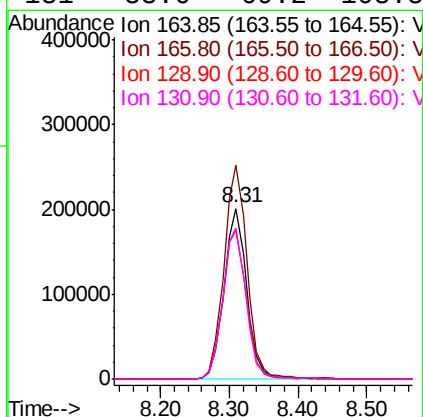
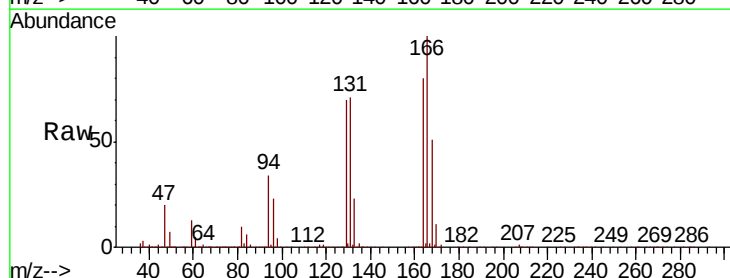
Instrument :
MSVOA_F
ClientSampleId :

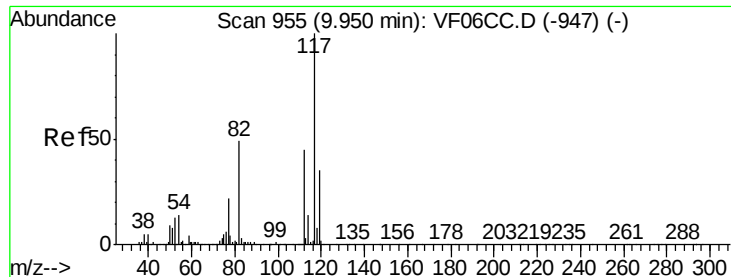
Tot Ion:117 Resp: 1146330
Ion Ratio Lower Upper
117 100
82 53.8 42.4 63.6
119 32.4 27.1 40.7



#64
Tetrachloroethene
Concen: 52.008 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion:164 Resp: 458131
Ion Ratio Lower Upper
164 100
166 125.2 99.1 148.7
129 87.2 69.5 104.3
131 88.6 69.2 103.8





#65

Chlorobenzene

Concen: 50.168 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

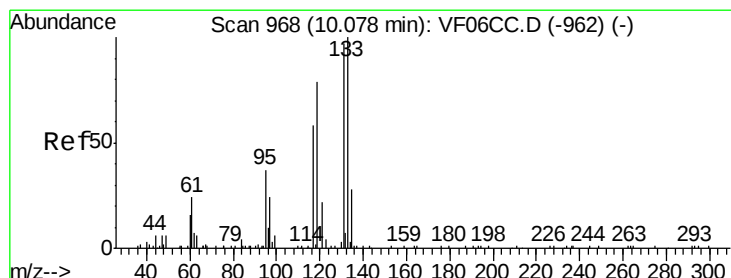
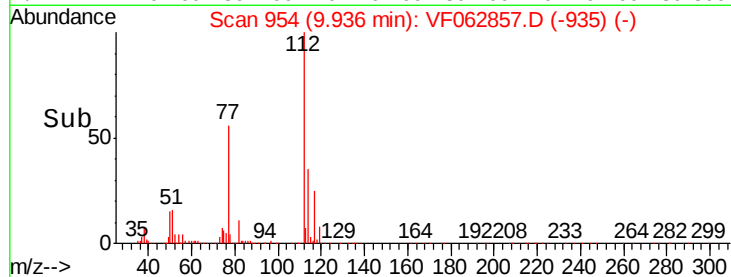
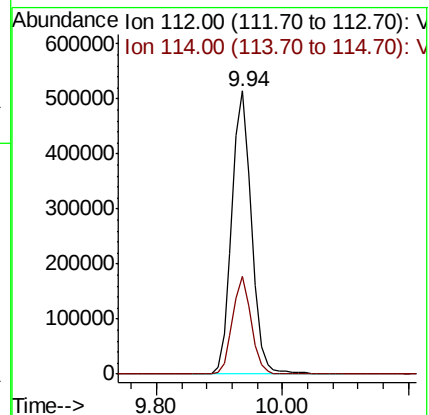
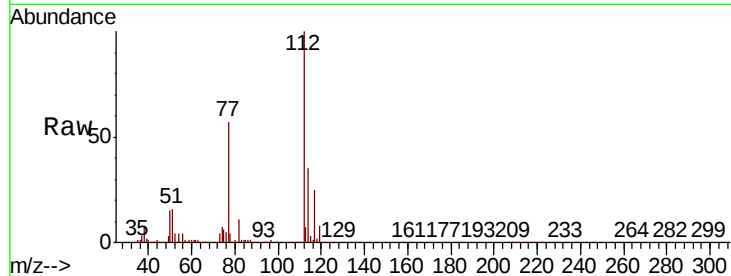
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:112 Resp: 1110580

Ion Ratio Lower Upper

112 100

114 34.7 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 49.884 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

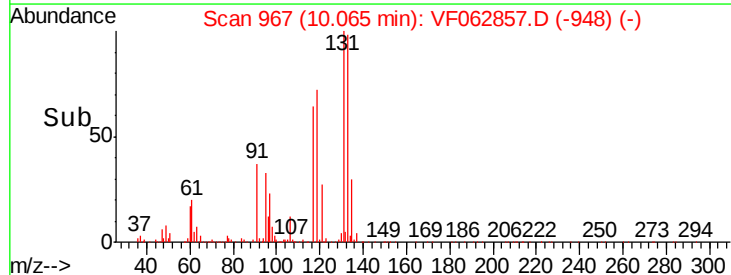
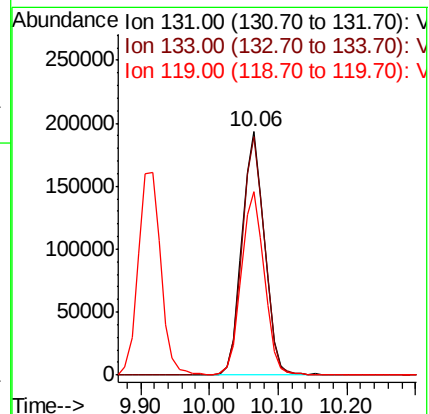
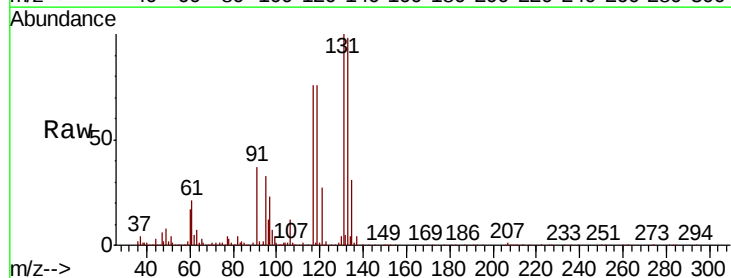
Tgt Ion:131 Resp: 439795

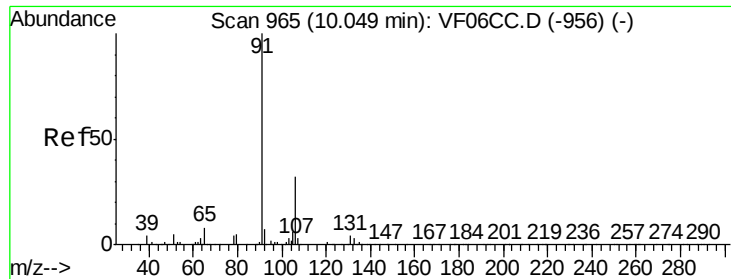
Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.7

119 75.5 38.0 114.0

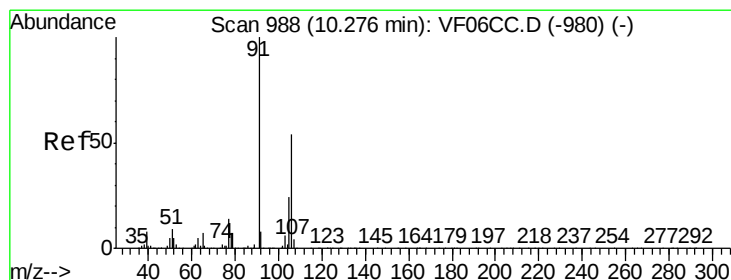
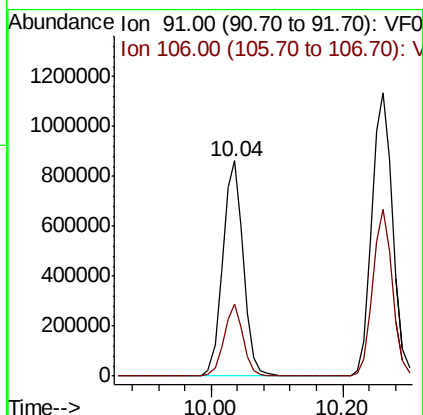
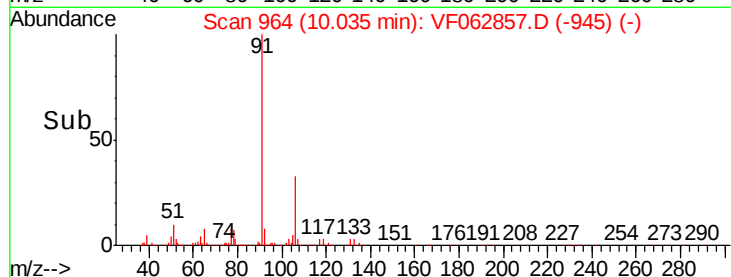
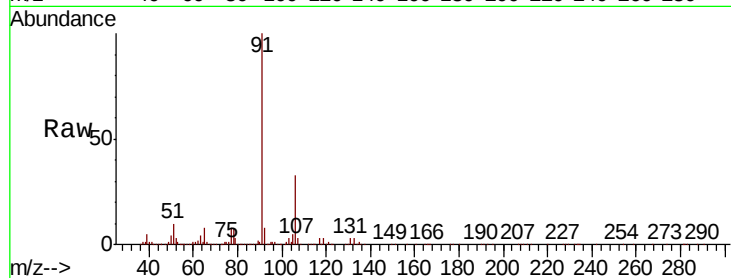




#67
Ethyl Benzene
Concen: 49.475 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

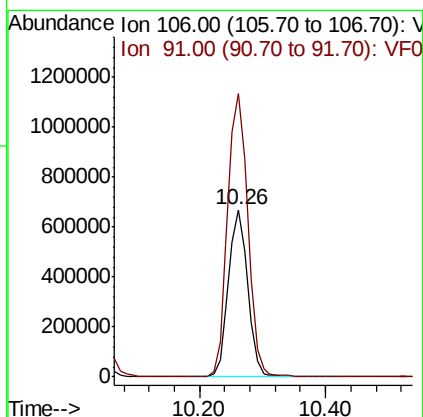
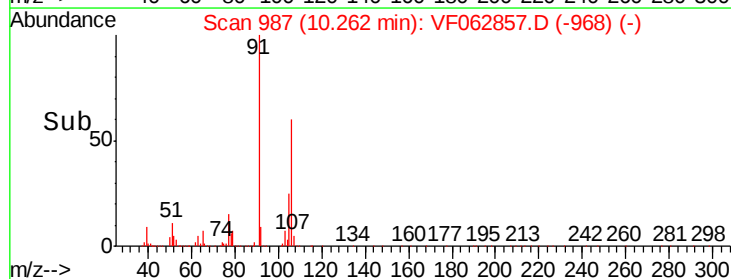
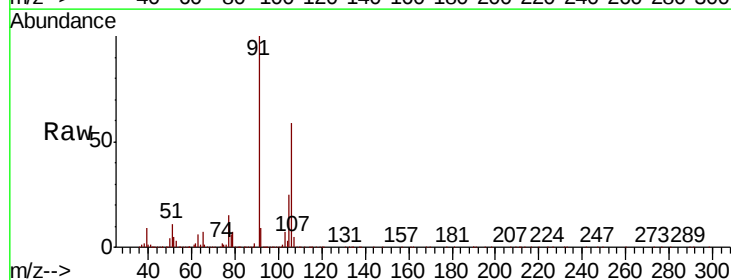
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 1879482
Ion Ratio Lower Upper
91 100
106 33.4 26.0 39.0



#68
m/p-Xylenes
Concen: 96.827 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 106 Resp: 1407568
Ion Ratio Lower Upper
106 100
91 168.9 136.2 204.4

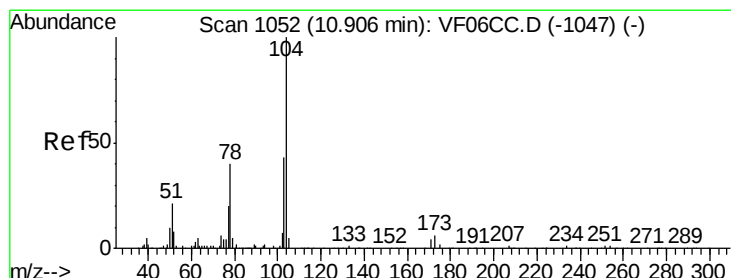
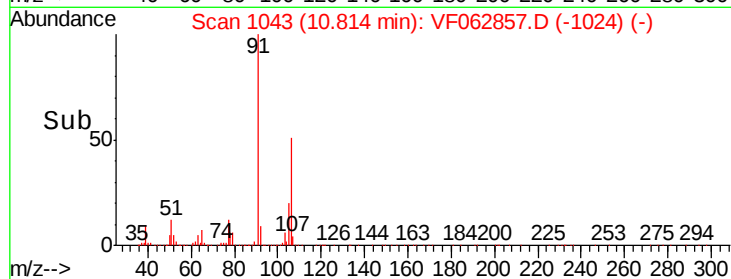
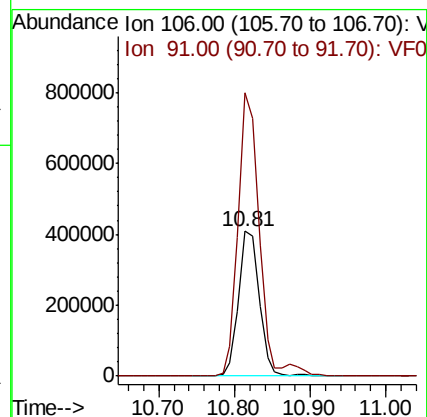
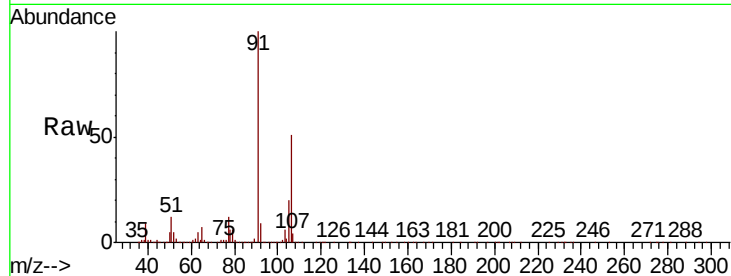




#69
o-Xylene
Concen: 52.551 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

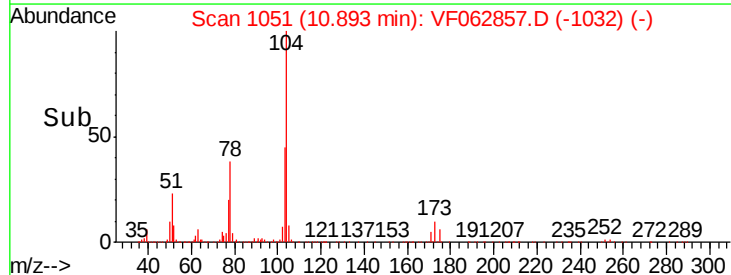
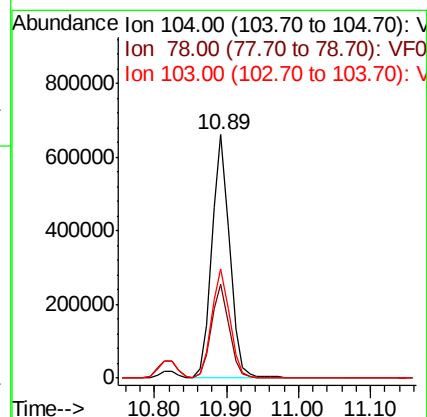
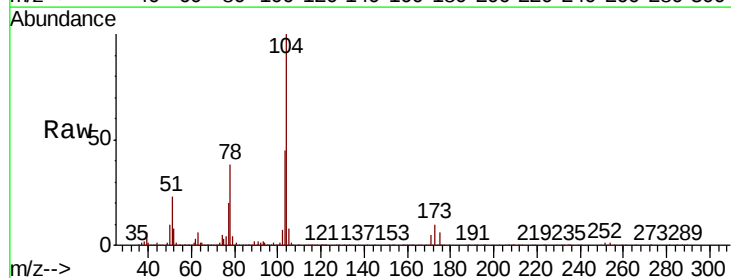
Instrument :
MSVOA_F
ClientSampled :

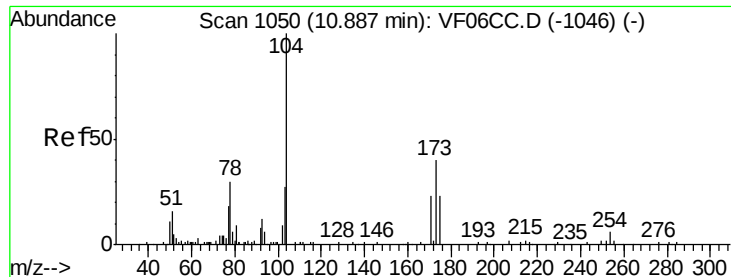
Tot Ion:106 Resp: 773456
Ion Ratio Lower Upper
106 100
91 195.8 96.6 289.8



#70
Styrene
Concen: 51.820 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion:104 Resp: 1124171
Ion Ratio Lower Upper
104 100
78 38.3 30.8 46.2
103 45.1 35.8 53.6

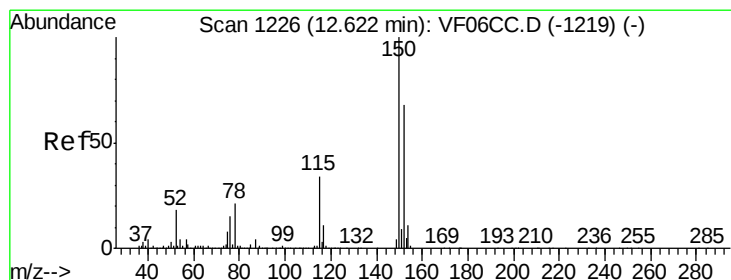
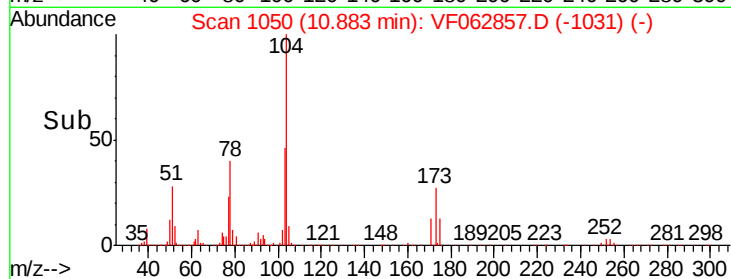
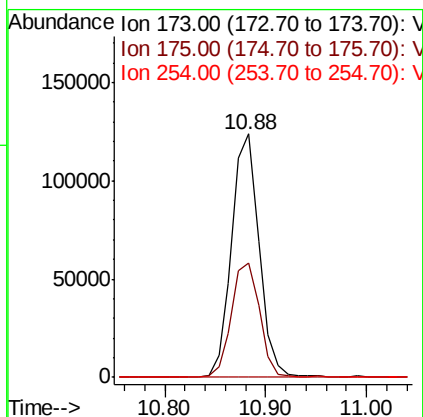
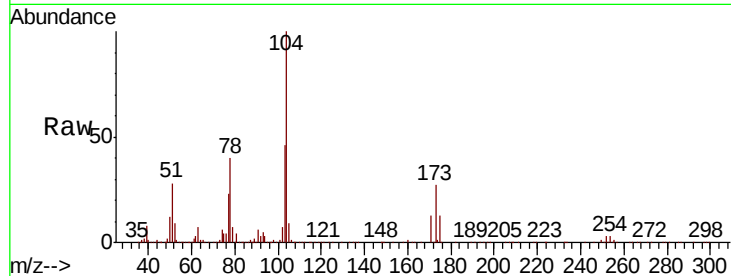




#71
Bromoform
Concen: 55.480 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

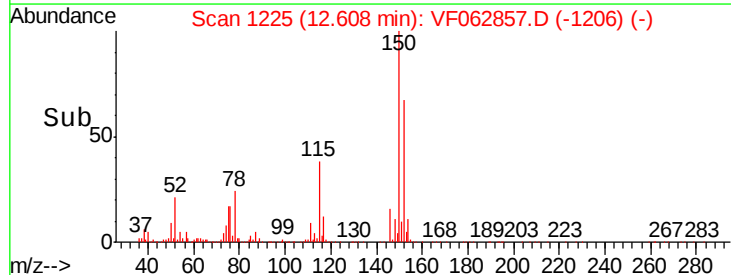
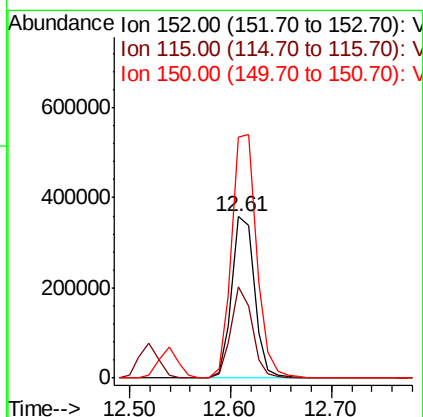
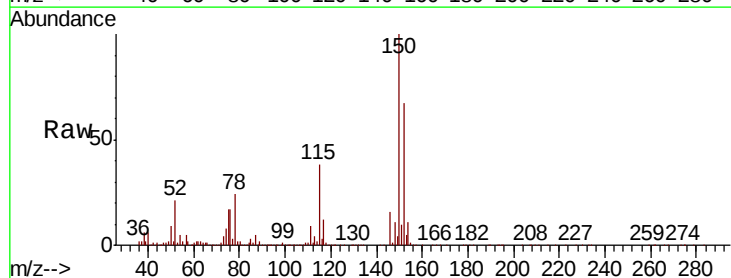
Instrument :
MSVOA_F
ClientSampleId :

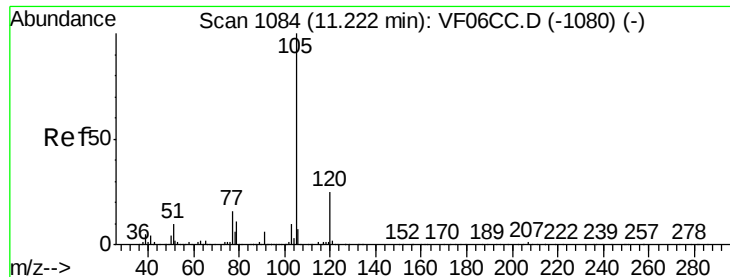
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	74.0
254	0.1	0.1	0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	24.6	74.0
150	149.3	0.0	290.6





#73

Isopropylbenzene

Concen: 51.794 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

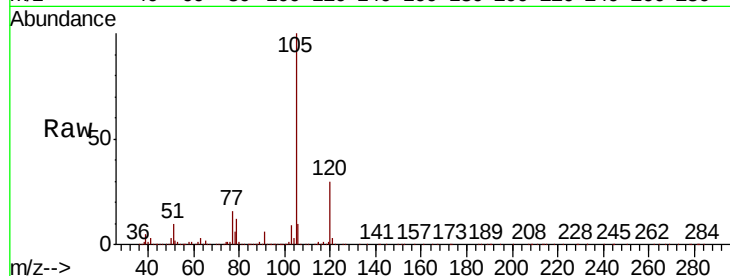
ClientSampleId :

Tot Ion:105 Resp: 2029127

Ion Ratio Lower Upper

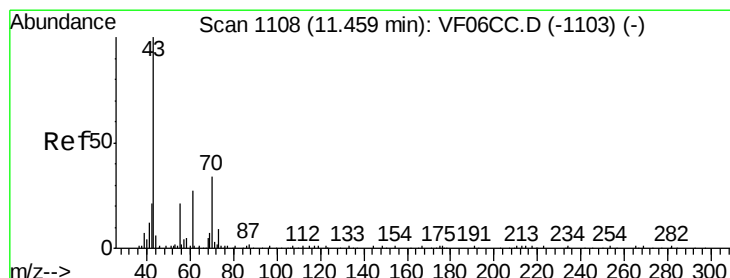
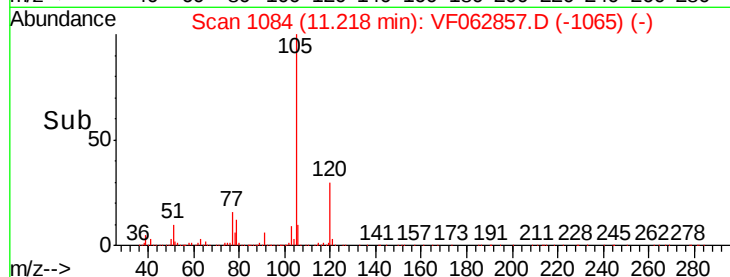
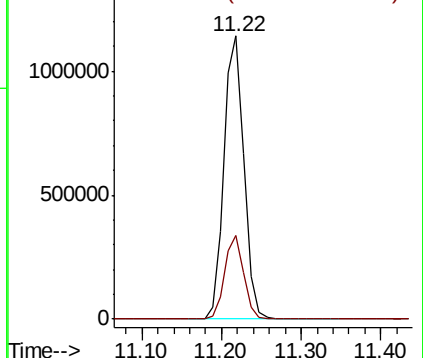
105 100

120 29.8 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: 49.853 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion: 43 Resp: 550464

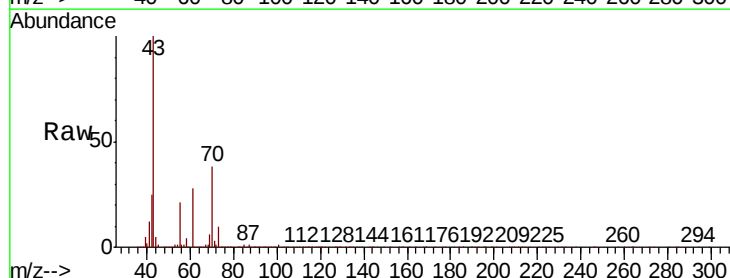
Ion Ratio Lower Upper

43 100

70 37.8 32.9 49.3

55 21.4 17.3 25.9

61 27.8 23.7 35.5

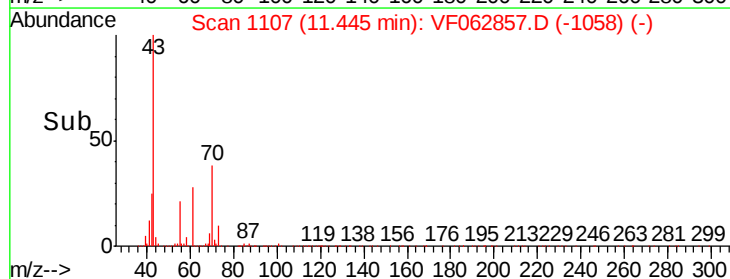
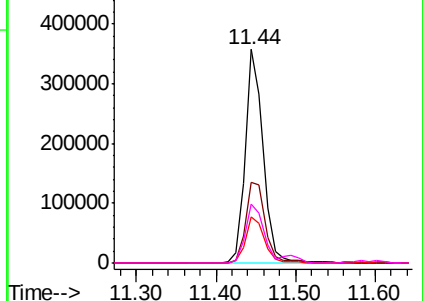


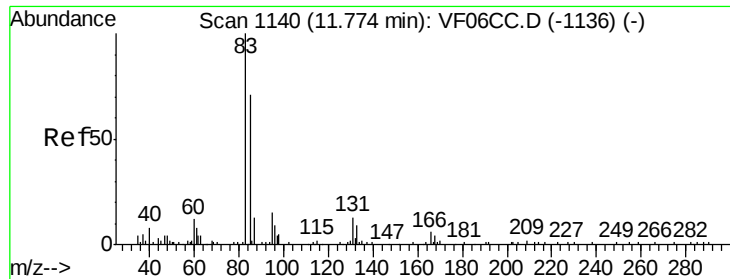
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.982 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

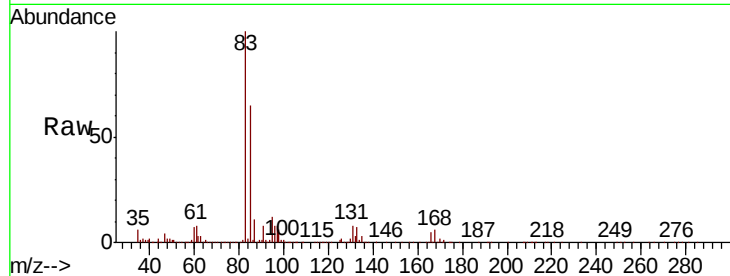
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 83 Resp: 434899

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.9	14.7
85	65.1	32.1	96.5

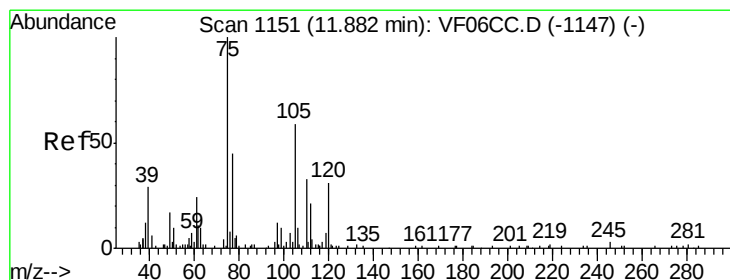
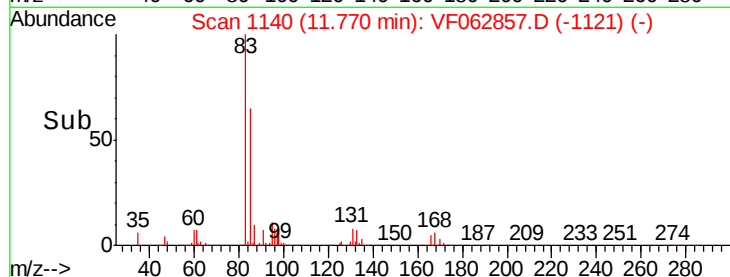
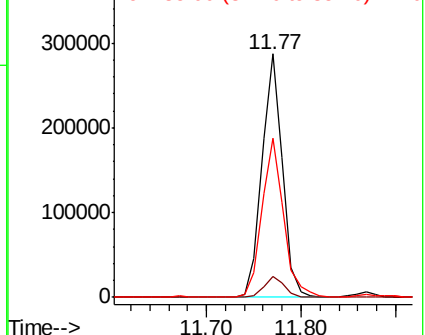


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 51.236 ug/l

RT: 11.87 min Scan# 1150

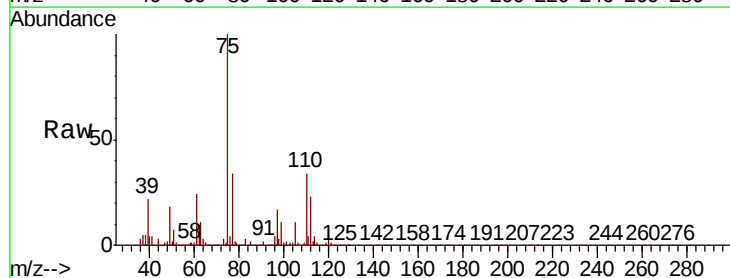
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion: 75 Resp: 284142

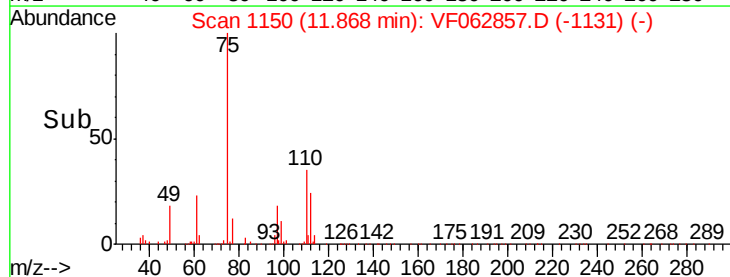
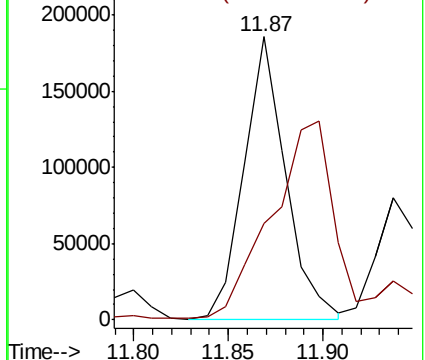
Ion	Ratio	Lower	Upper
75	100		
77	34.2	20.1	60.2

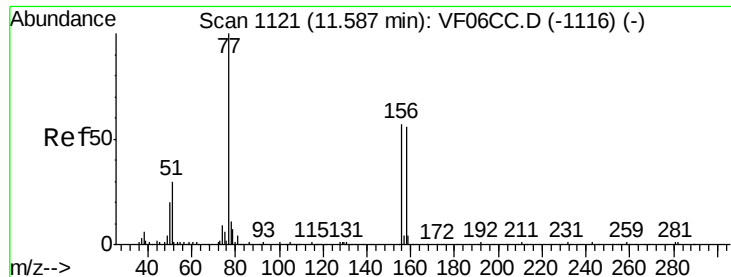


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.293 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

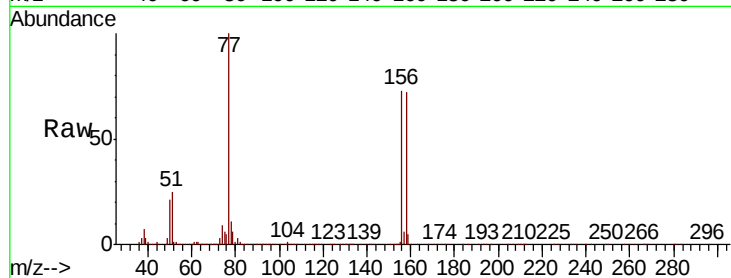
Tot Ion:156 Resp: 495067

Ion Ratio Lower Upper

156 100

77 137.3 64.2 192.6

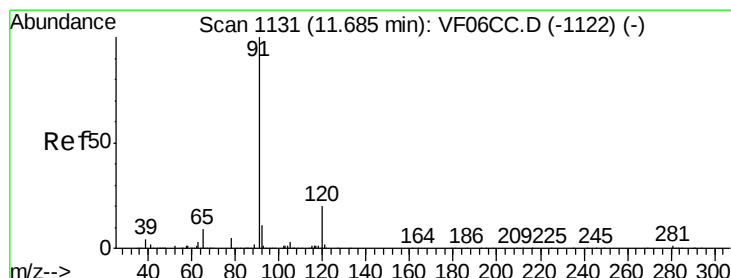
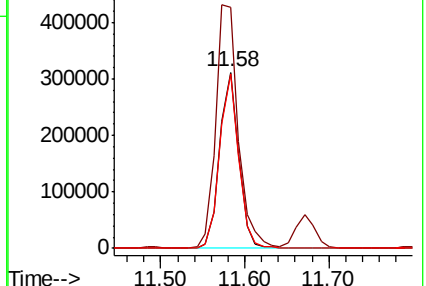
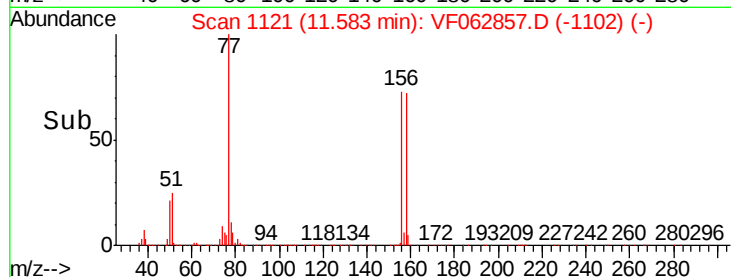
158 99.3 50.3 151.0



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: 48.203 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062857.D

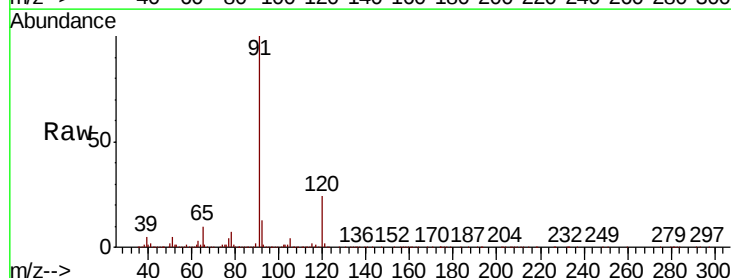
Acq: 4 Jun 2019 23:46

Tgt Ion: 91 Resp: 2280167

Ion Ratio Lower Upper

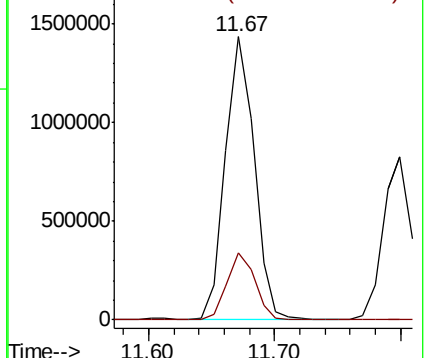
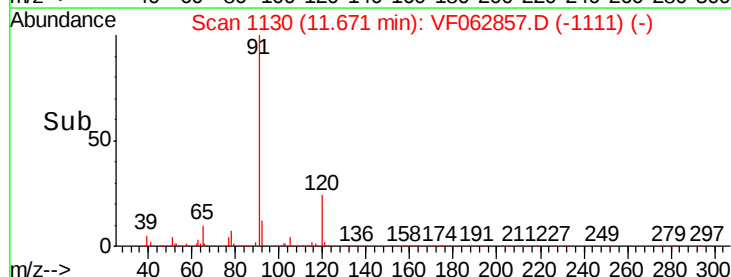
91 100

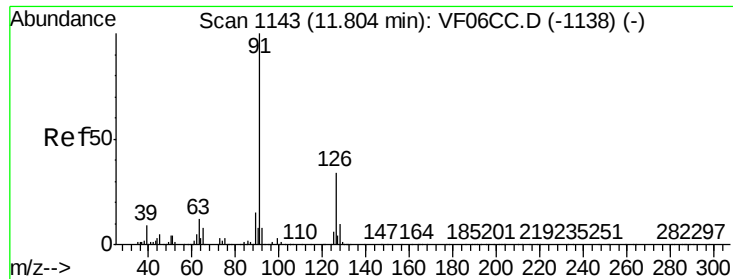
120 23.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

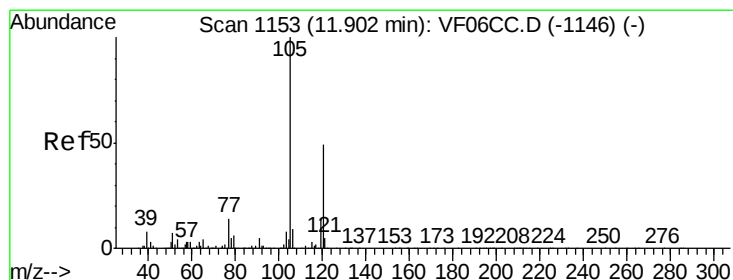
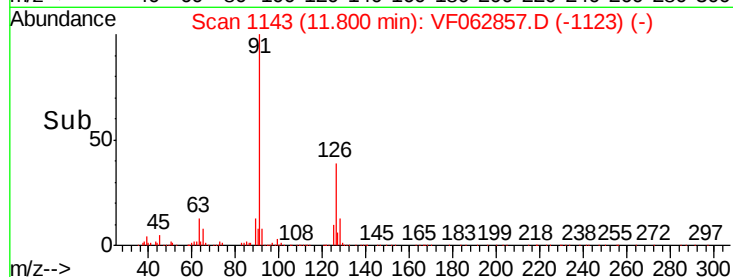
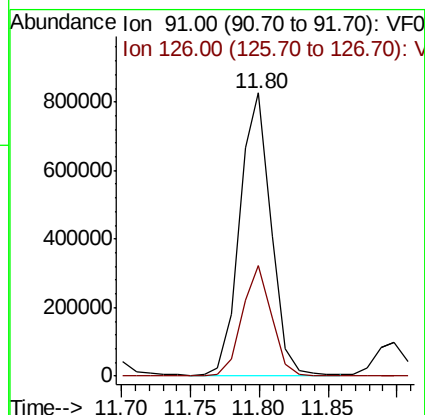
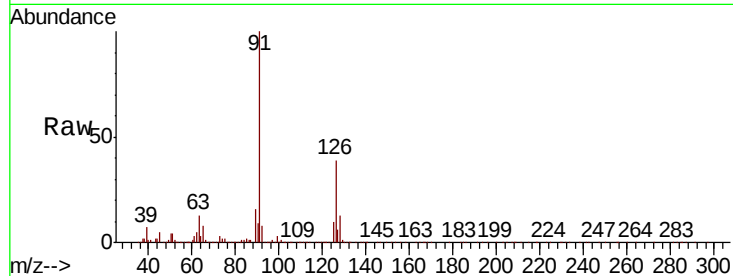




#79
 2-Chlorotoluene
 Concen: 48.004 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

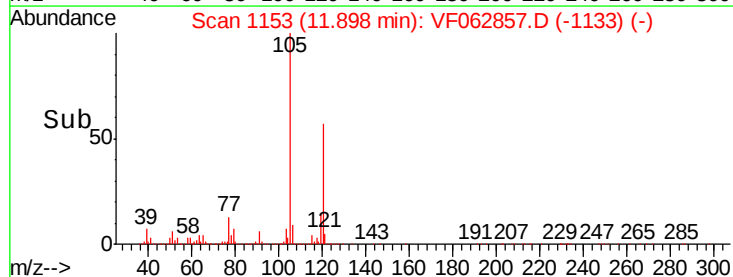
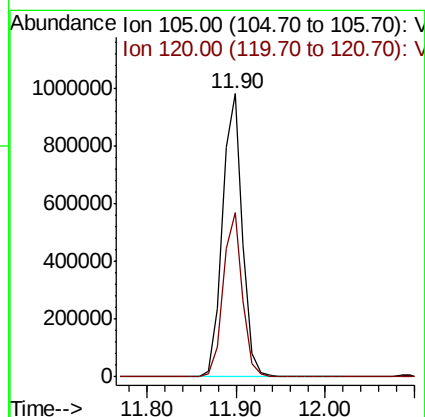
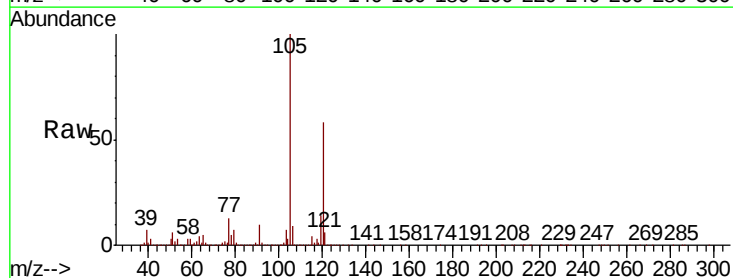
Instrument :
 MSVOA_F
 ClientSampleId :

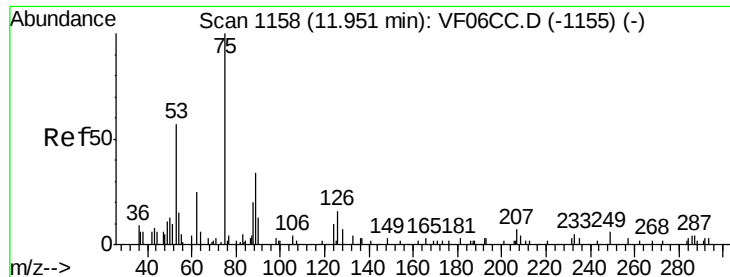
Tot Ion: 91 Resp: 1299327
 Ion Ratio Lower Upper
 91 100
 126 38.9 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.170 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion:105 Resp: 1543319
 Ion Ratio Lower Upper
 105 100
 120 58.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 70.179 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

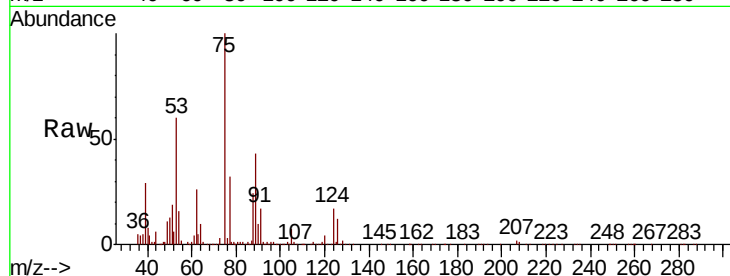
Tot Ion: 75 Resp: 164771

Ion Ratio Lower Upper

75 100

53 59.9 43.5 65.3

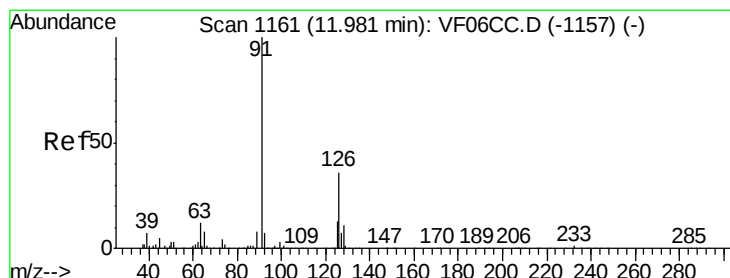
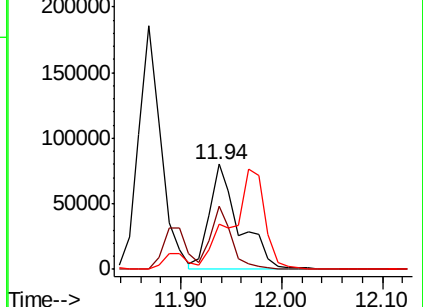
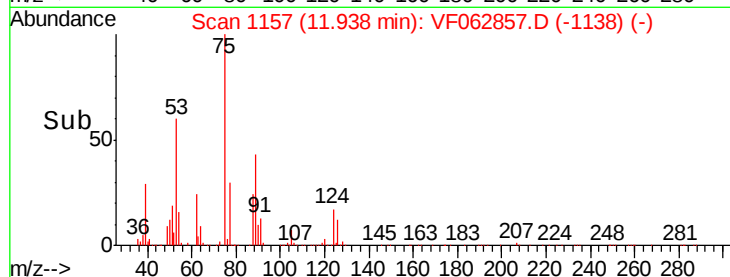
89 43.2 34.3 51.5



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: 49.853 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062857.D

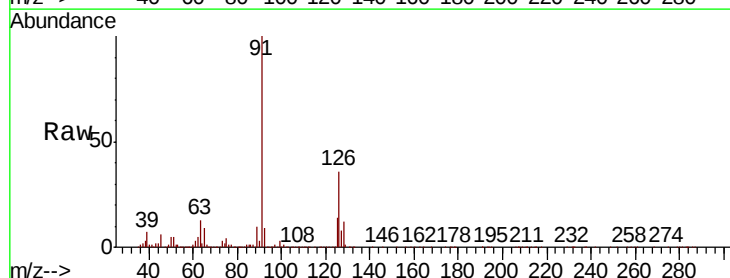
Acq: 4 Jun 2019 23:46

Tgt Ion: 91 Resp: 1326081

Ion Ratio Lower Upper

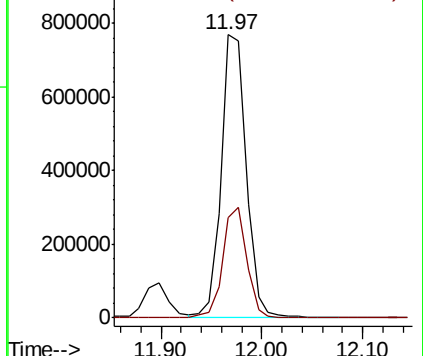
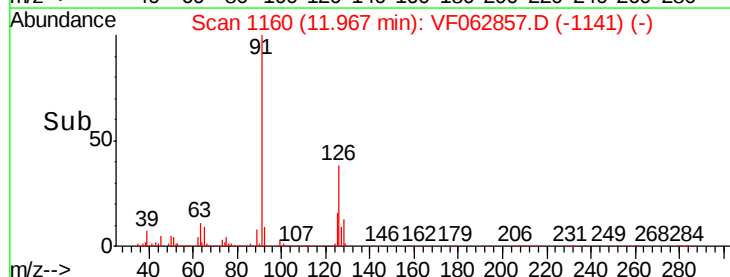
91 100

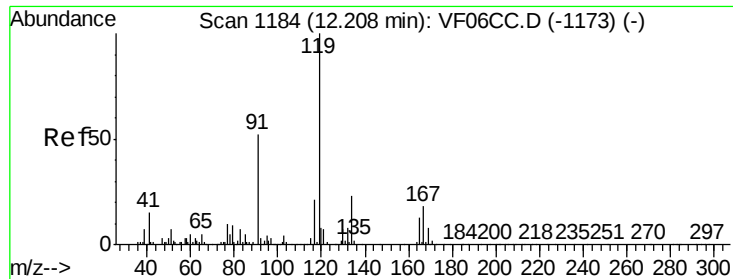
126 35.5 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

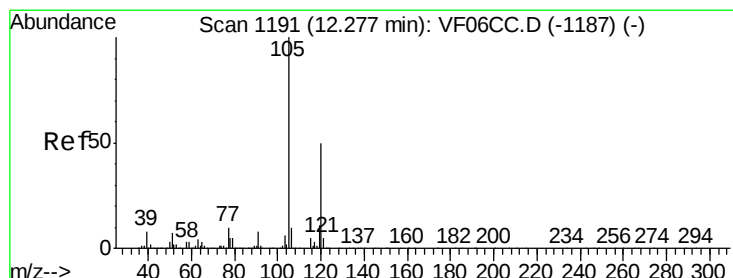
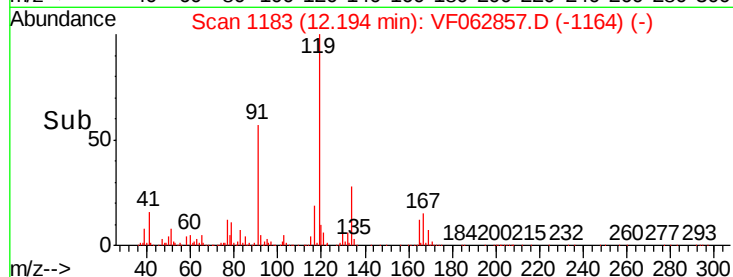
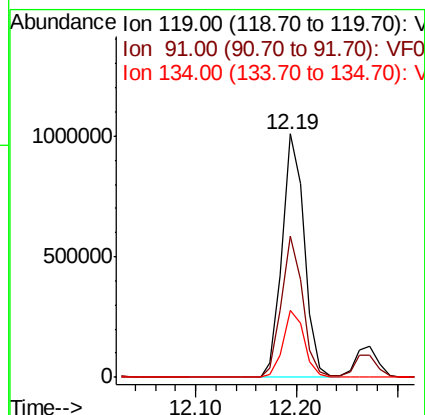
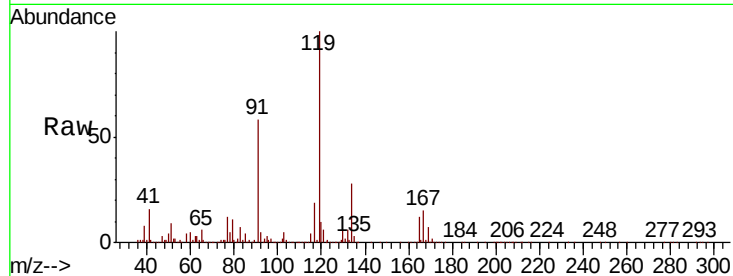




#83
tert-Butylbenzene
Concen: 48.590 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

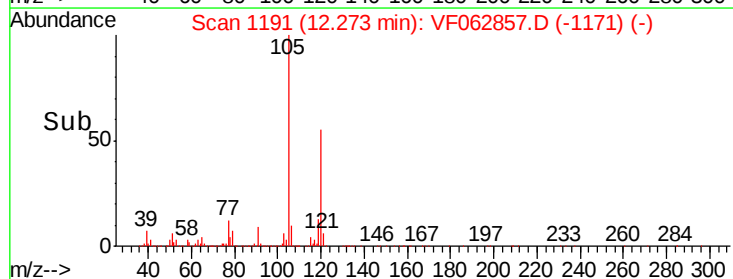
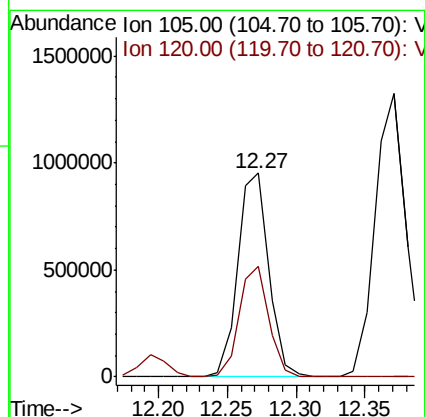
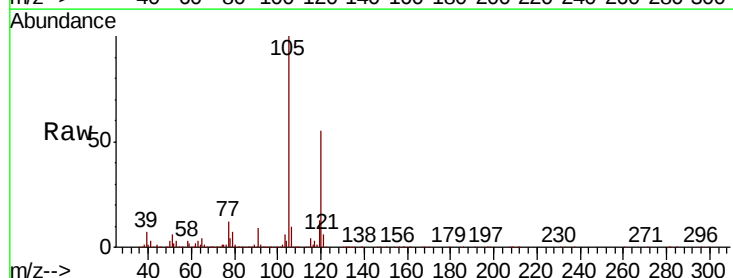
Instrument :
MSVOA_F
ClientSampleId :

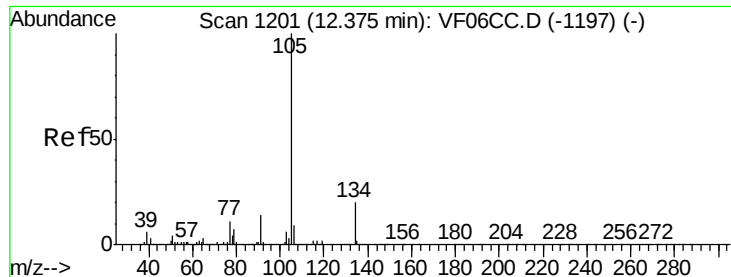
Tot Ion:119 Resp: 1542553
Ion Ratio Lower Upper
119 100
91 58.0 28.9 86.7
134 27.5 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 48.995 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion:105 Resp: 1488313
Ion Ratio Lower Upper
105 100
120 54.6 27.1 81.3

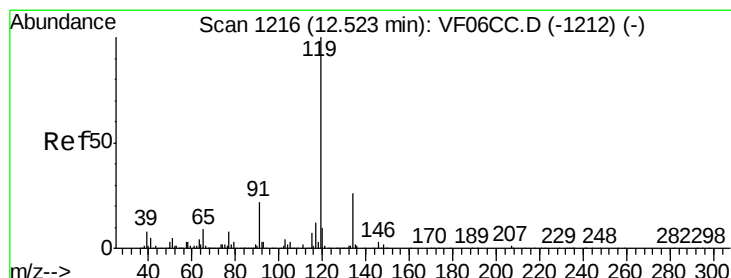
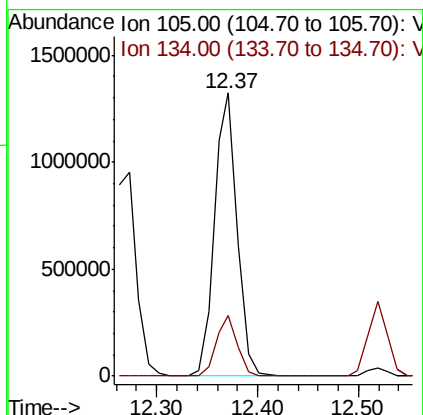
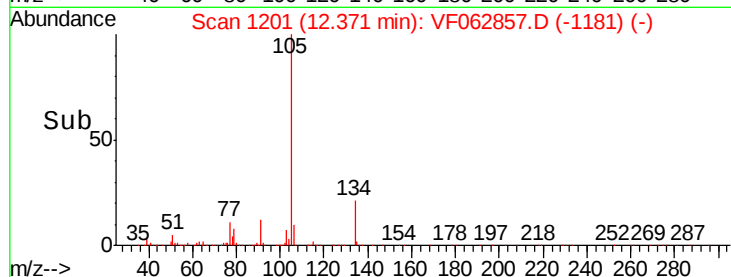
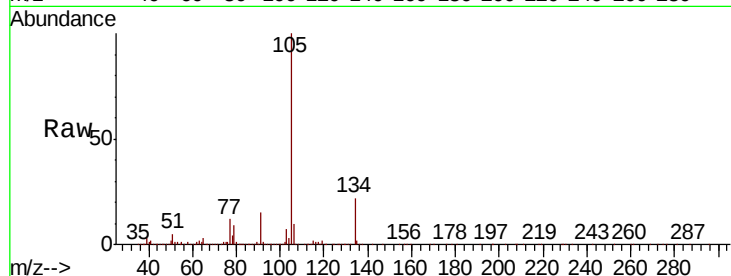




#85
 sec-Butylbenzene
 Concen: 49.358 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

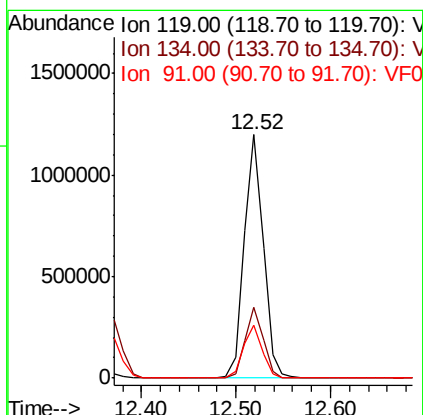
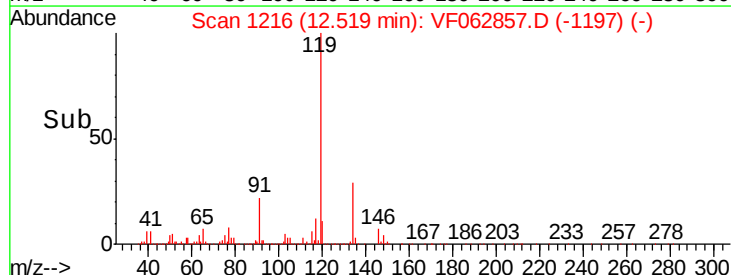
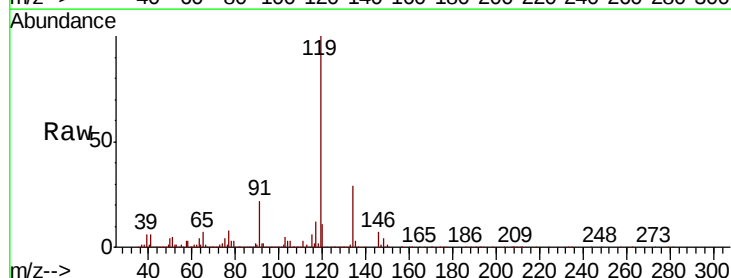
Instrument :
 MSVOA_F
 ClientSampled :

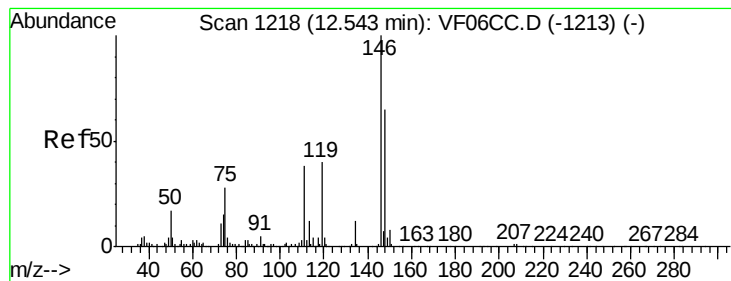
Tot Ion:105 Resp: 2064726
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 47.908 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion:119 Resp: 1668126
 Ion Ratio Lower Upper
 119 100
 134 28.9 15.5 46.5
 91 21.9 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 48.532 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

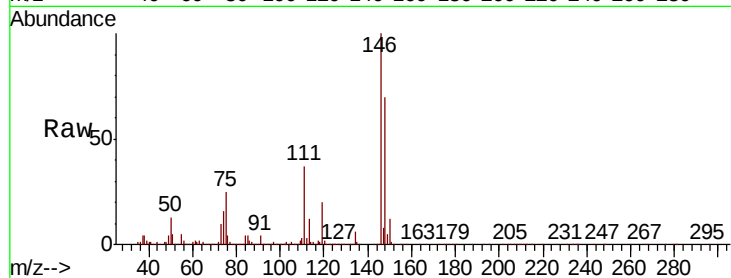
Tot Ion:146 Resp: 842520

Ion Ratio Lower Upper

146 100

111 36.7 19.6 58.8

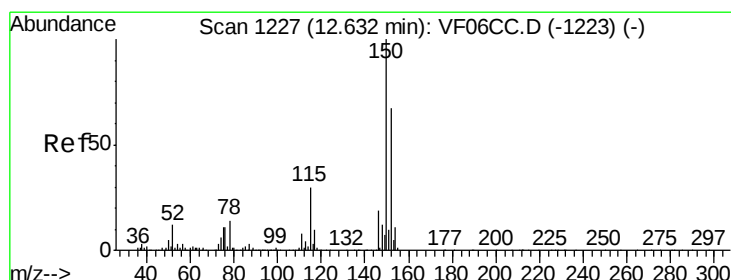
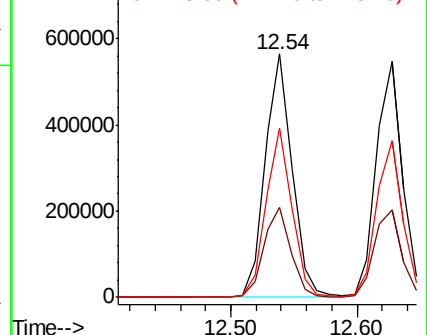
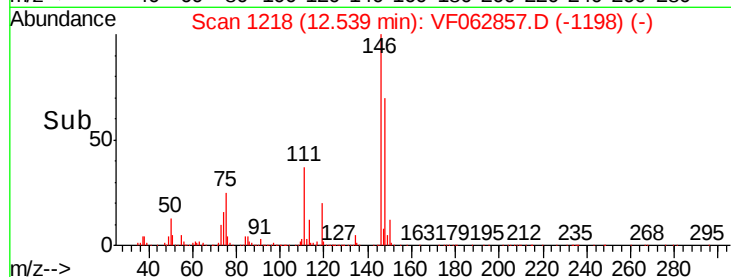
148 69.6 34.2 102.5



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: 49.749 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

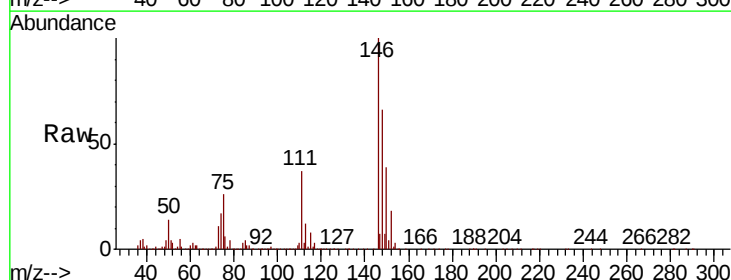
Tgt Ion:146 Resp: 806002

Ion Ratio Lower Upper

146 100

111 37.0 20.3 60.9

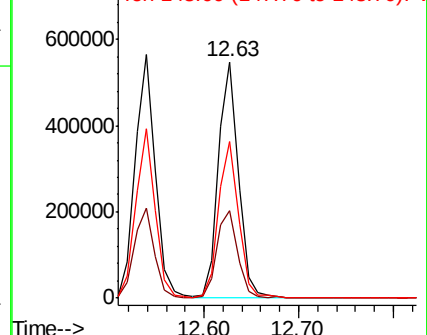
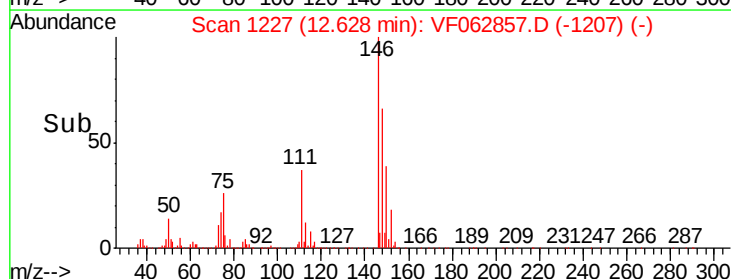
148 66.5 34.0 101.8

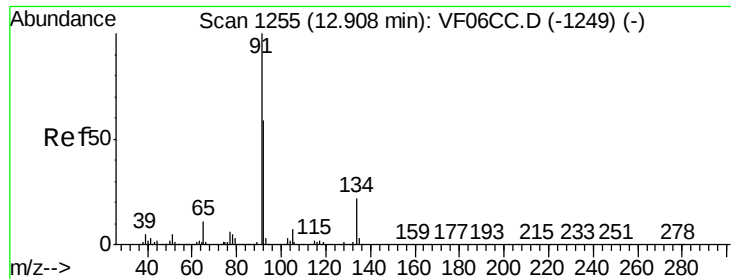


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

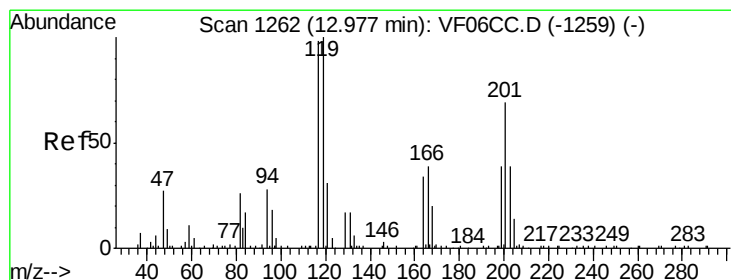
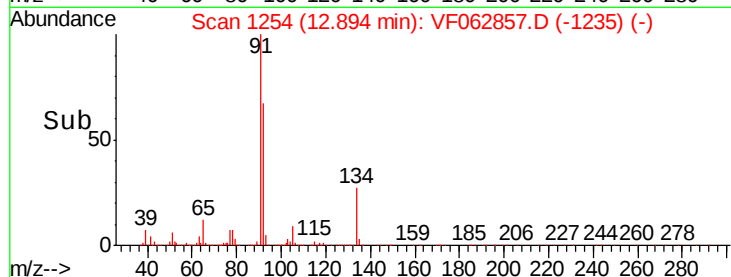
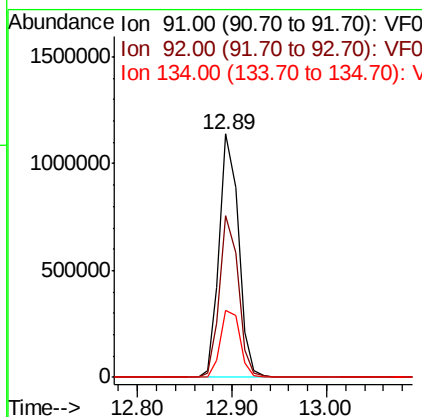
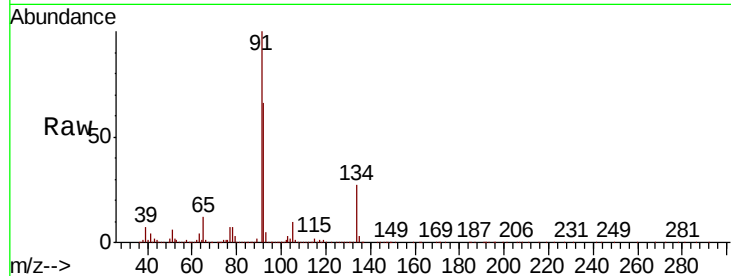




#89
n-Butylbenzene
Concen: 46.323 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

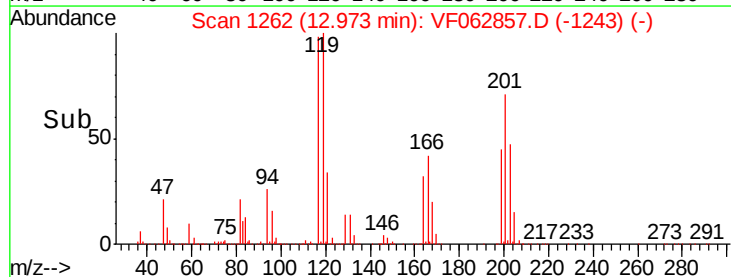
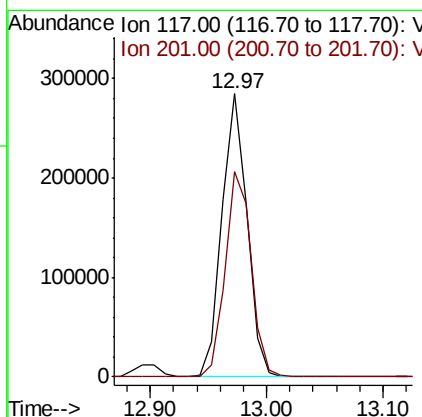
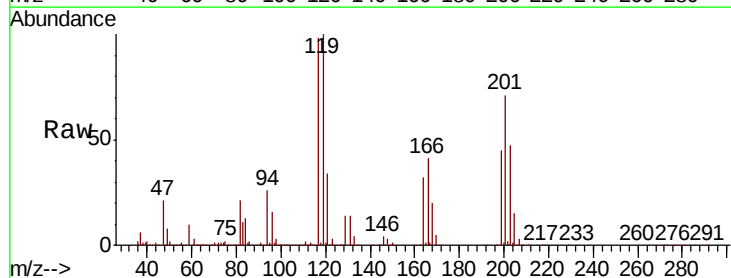
Instrument :
MSVOA_F
ClientSampleId :

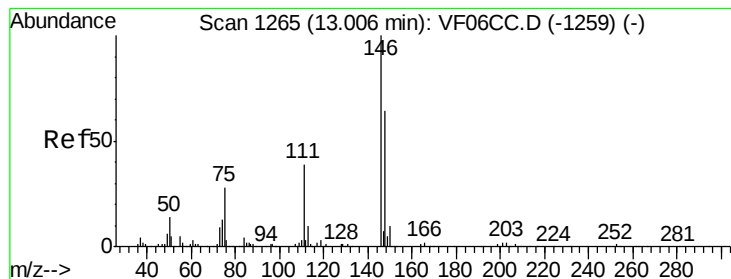
Tot Ion: 91 Resp: 1622465
Ion Ratio Lower Upper
91 100
92 66.5 34.2 102.6
134 27.3 15.8 47.3



#90
Hexachloroethane
Concen: 50.296 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 117 Resp: 427124
Ion Ratio Lower Upper
117 100
201 74.2 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 50.608 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

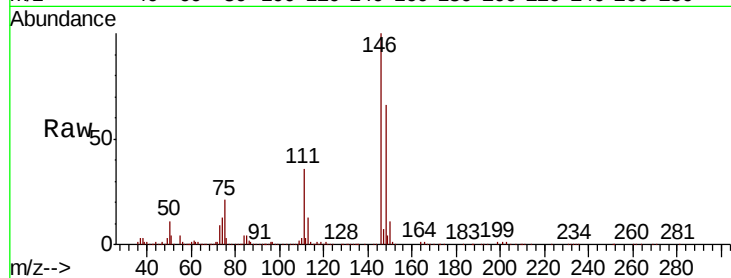
Tot Ion:146 Resp: 772215

Ion Ratio Lower Upper

146 100

111 35.5 20.4 61.3

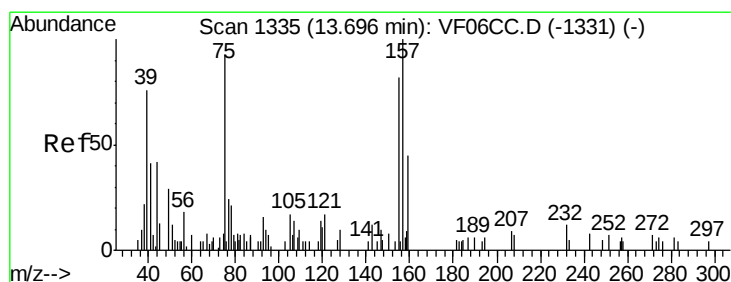
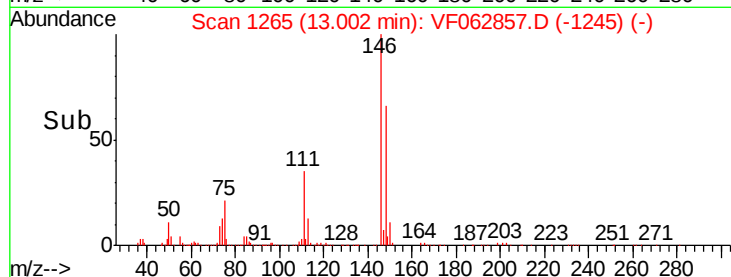
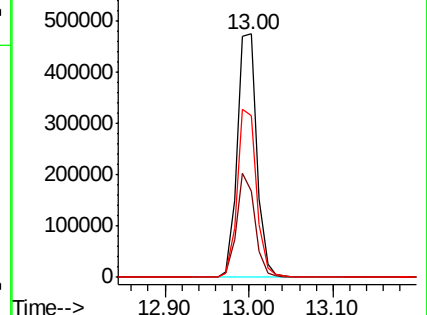
148 66.4 34.1 102.3



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: 56.567 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

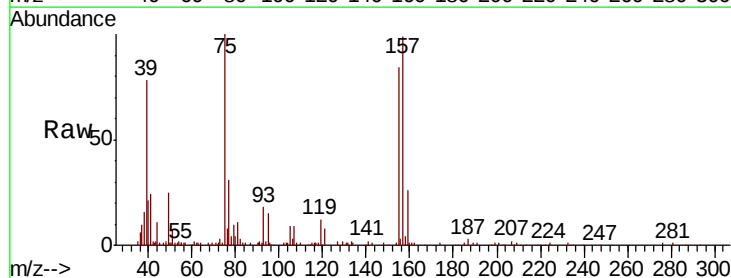
Tgt Ion: 75 Resp: 51560

Ion Ratio Lower Upper

75 100

155 83.6 51.7 155.1

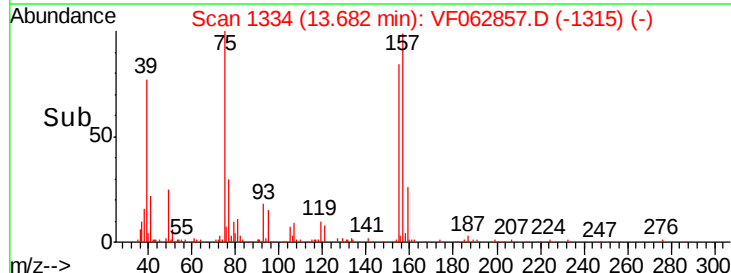
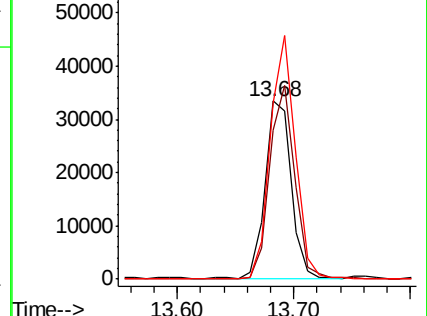
157 98.7 66.8 200.6

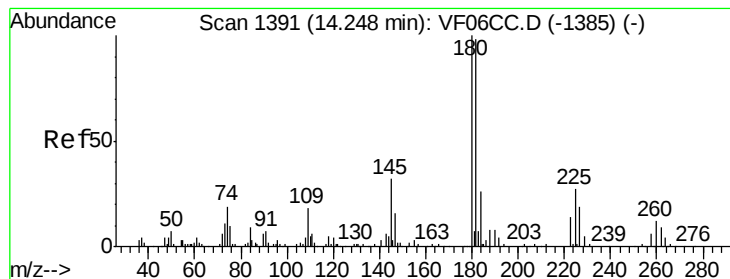


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 47.263 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

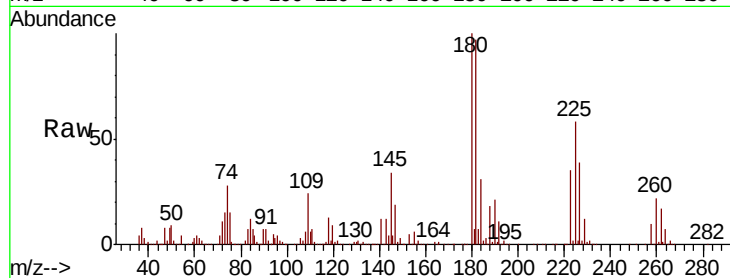
Tot Ion:180 Resp: 495168

Ion Ratio Lower Upper

180 100

182 96.7 50.3 150.9

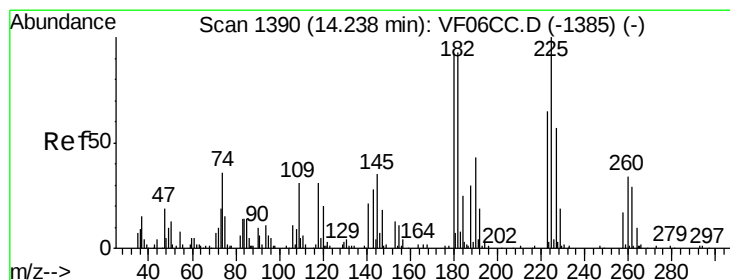
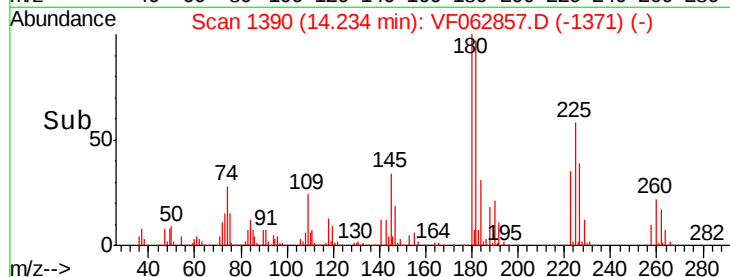
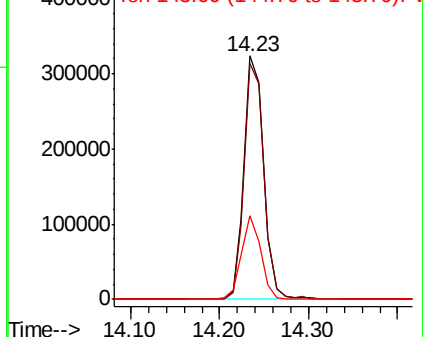
145 34.2 15.4 46.2



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: 45.933 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

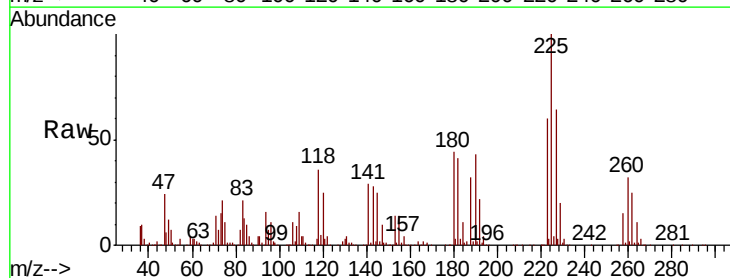
Tgt Ion:225 Resp: 332919

Ion Ratio Lower Upper

225 100

223 59.9 30.8 92.4

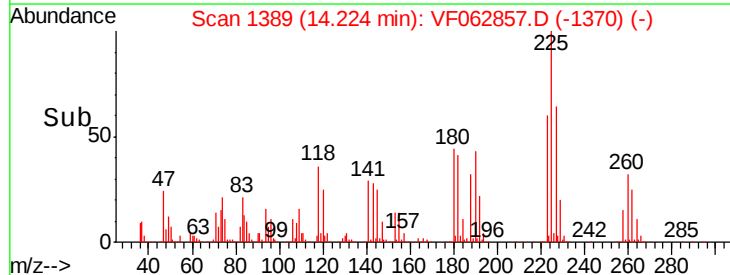
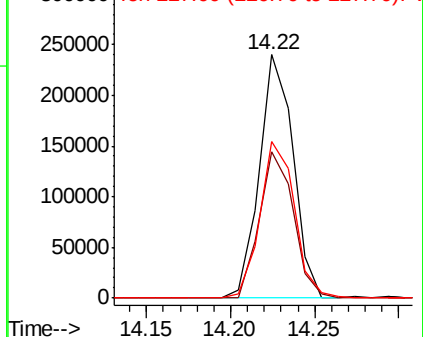
227 64.5 31.9 95.5

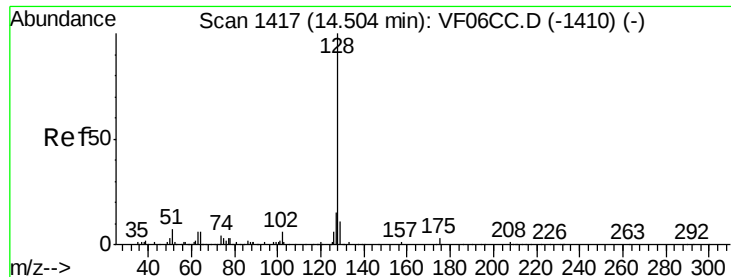


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

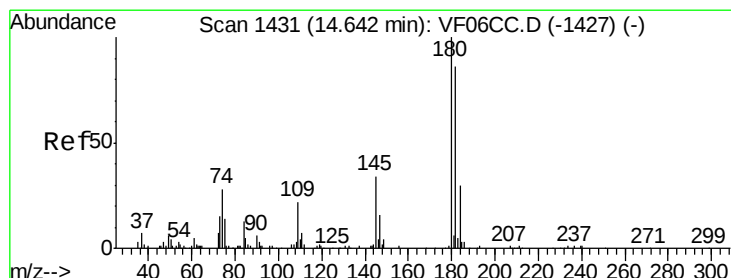
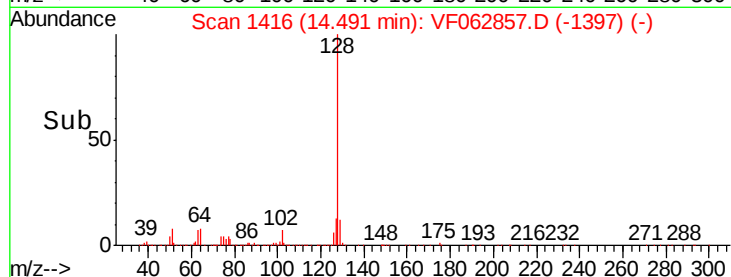
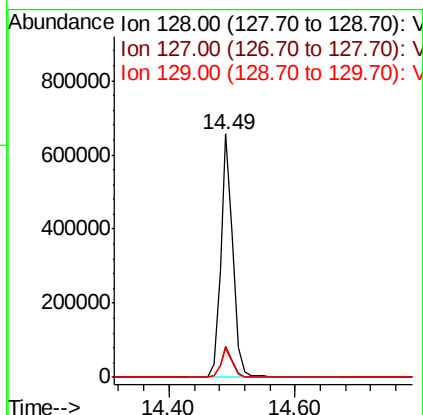
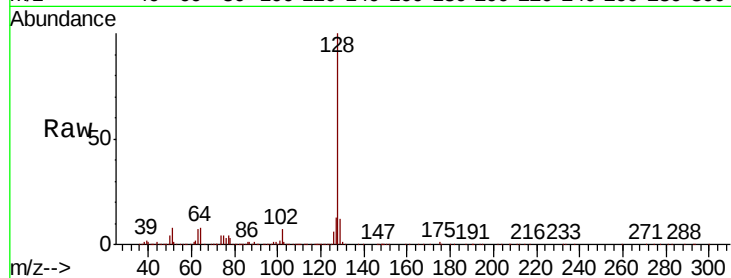




#95
Naphthalene
Concen: 51.608 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 885810
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 11.6 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 49.761 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion:180 Resp: 475889
Ion Ratio Lower Upper
180 100
182 99.9 48.6 145.9
145 28.7 15.7 47.0

