

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:48:58 AM

Quant Time: Jun 05 05:48:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	858652	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1442146	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	1092347	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	570268	50.00	ug/l	-0.01

System Monitoring Compounds

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

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	235748	21.840	ug/l	99
3) Chloromethane	1.15	50	185787	20.911	ug/l	98
4) Vinyl Chloride	1.20	62	178611	20.230	ug/l	98
5) Bromomethane	1.41	94	107283	21.307	ug/l	98
6) Chloroethane	1.45	64	69410	21.027	ug/l	88
7) Trichlorofluoromethane	1.55	101	276762m	22.143	ug/l	
8) Diethyl Ether	1.71	74	51179	20.813	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.93	101	172543	21.958	ug/l	96
10) Methyl Iodide	1.99	142	335375m	21.286	ug/l	
11) Tert butyl alcohol	2.70	59	43564	121.113	ug/l	98
12) 1,1-Dichloroethene	1.88	96	157318	22.047	ug/l	92
13) Acrolein	2.10	56	11851	76.804	ug/l #	56
14) Allyl chloride	2.20	41	129892	23.465	ug/l	93
15) Acrylonitrile	3.09	53	166426	123.134	ug/l	98
16) Acetone	2.35	43	132668	97.622	ug/l	93
17) Carbon Disulfide	1.93	76	433098	20.767	ug/l	96
18) Methyl Acetate	2.46	43	54950	23.139	ug/l #	87
19) Methyl tert-butyl Ether	2.55	73	305059	23.598	ug/l	100
20) Methylene Chloride	2.29	84	158961m	21.666	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	164025	22.927	ug/l	98
22) Diisopropyl ether	2.94	45	327748	20.839	ug/l	98
23) Vinyl Acetate	3.35	43	1230439	114.279	ug/l	98
24) 1,1-Dichloroethane	3.01	63	264699	22.542	ug/l	97
25) 2-Butanone	4.53	43	343771	108.624	ug/l	98
26) 2,2-Dichloropropane	3.78	77	152616	22.890	ug/l	90
27) cis-1,2-Dichloroethene	3.65	96	265113	22.045	ug/l	95
28) Bromochloromethane	3.90	49	136714	21.404	ug/l	88
29) Tetrahydrofuran	4.27	42	146085	120.687	ug/l	98
30) Chloroform	4.06	83	374144	22.607	ug/l	100
31) Cyclohexane	3.88	56	349330m	21.973	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	201031	20.863	ug/l	98
36) 1,1-Dichloropropene	4.48	75	291068	21.924	ug/l	99
37) Ethyl Acetate	4.31	43	119636	23.573	ug/l	94
38) Carbon Tetrachloride	4.18	117	211169	23.535	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	360217	21.800	ug/l	96
40) Benzene	4.83	78	873119	22.597	ug/l	97
41) Methacrylonitrile	4.94	41	61390	21.759	ug/l #	89
42) 1,2-Dichloroethane	5.13	62	163851	22.296	ug/l	90
43) Isopropyl Acetate	7.12	43	151235	22.558	ug/l #	93
44) Trichloroethene	5.69	130	240311	22.037	ug/l	92
45) 1,2-Dichloropropane	6.41	63	208366	21.489	ug/l	97
46) Dibromomethane	6.26	93	131666	23.258	ug/l	99
47) Bromodichloromethane	6.56	83	260569	22.601	ug/l	94
48) Methyl methacrylate	6.89	41	76284	22.079	ug/l	91
49) 1,4-Dioxane	6.88	88	19088	419.128	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	593288	123.953	ug/l	93
52) Toluene	7.78	92	463159	22.255	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	216657	22.678	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	311474	22.523	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	139713	22.471	ug/l	94
56) Ethyl methacrylate	8.76	69	158888	23.818	ug/l	97
57) 1,3-Dichloropropane	9.00	76	237478	23.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	239797	102.853	ug/l	99
59) 2-Hexanone	9.63	43	435788	127.738	ug/l	96
60) Dibromochloromethane	8.87	129	173071	22.484	ug/l	92
61) 1,2-Dibromoethane	9.13	107	156434	24.227	ug/l	95
64) Tetrachloroethene	8.31	164	188185	22.419	ug/l	91
65) Chlorobenzene	9.93	112	464275	22.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	181251	21.574	ug/l	98
67) Ethyl Benzene	10.03	91	789689	21.815	ug/l	97
68) m/p-Xylenes	10.26	106	639382	46.157	ug/l	86
69) o-Xylene	10.82	106	324979	23.171	ug/l	94
70) Styrene	10.89	104	484477	23.436	ug/l	98
71) Bromoform	10.88	173	92752	23.014	ug/l #	94
73) Isopropylbenzene	11.21	105	842456	21.172	ug/l	96
74) N-amyl acetate	11.45	43	247859	22.101	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	193384	22.758	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	122781	21.798	ug/l	88
77) Bromobenzene	11.58	156	211706	21.175	ug/l	82
78) n-propylbenzene	11.67	91	1039686	21.640	ug/l	91
79) 2-Chlorotoluene	11.79	91	571729	20.797	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	694585	21.345	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	57048m	23.923	ug/l	
82) 4-Chlorotoluene	11.97	91	582445	21.559	ug/l	94
83) tert-Butylbenzene	12.20	119	687204	21.313	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	700654	22.710	ug/l	95
85) sec-Butylbenzene	12.37	105	938752	22.095	ug/l	97
86) p-Isopropyltoluene	12.51	119	767847	21.712	ug/l	93
87) 1,3-Dichlorobenzene	12.53	146	398624	22.608	ug/l	94
88) 1,4-Dichlorobenzene	12.62	146	370839	22.536	ug/l	97
89) n-Butylbenzene	12.90	91	812829	22.849	ug/l	92
90) Hexachloroethane	12.97	117	195045	22.613	ug/l	79
91) 1,2-Dichlorobenzene	13.00	146	357633	23.076	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	22491	24.294	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	220417	20.714	ug/l	98
94) Hexachlorobutadiene	14.23	225	151353	20.560	ug/l	98
95) Naphthalene	14.50	128	371697	21.321	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	208037	21.418	ug/l	93

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

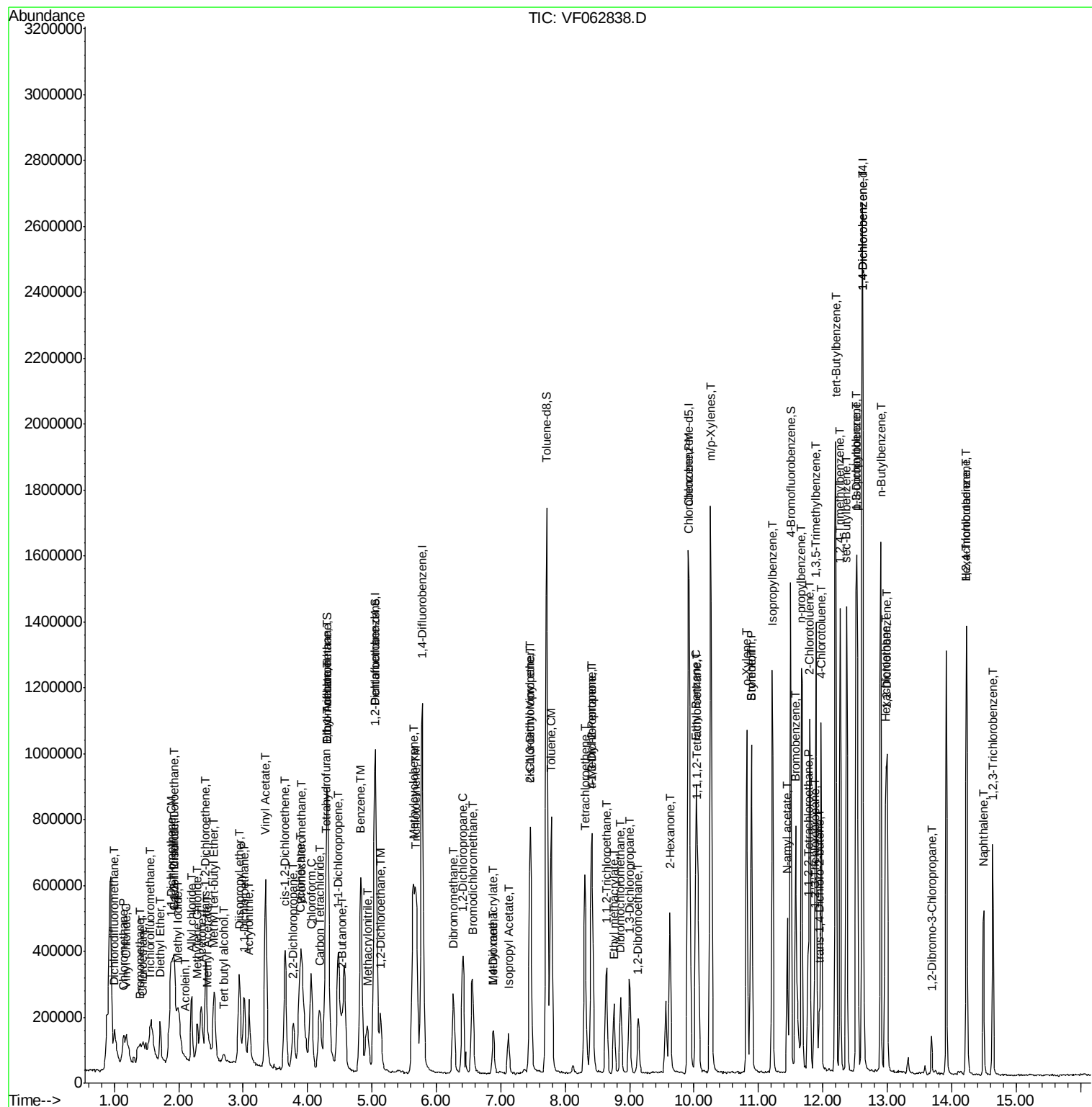
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062838.D
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 Sample : VF0604SBS01
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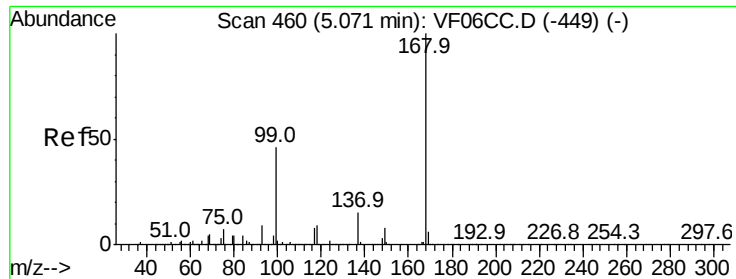
Instrument :
 MSVOA_F
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#1

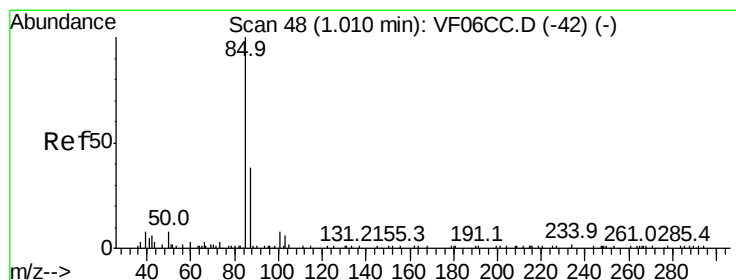
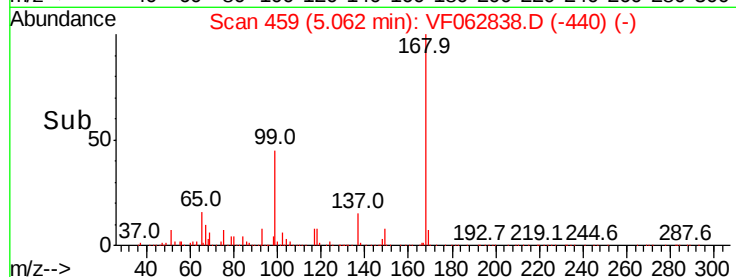
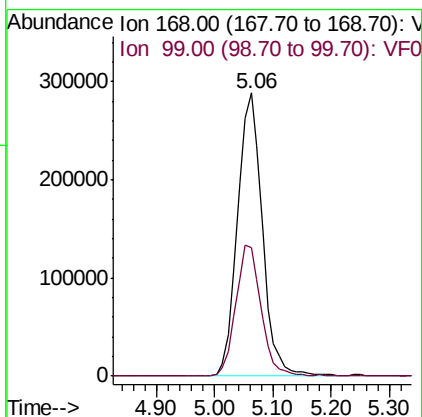
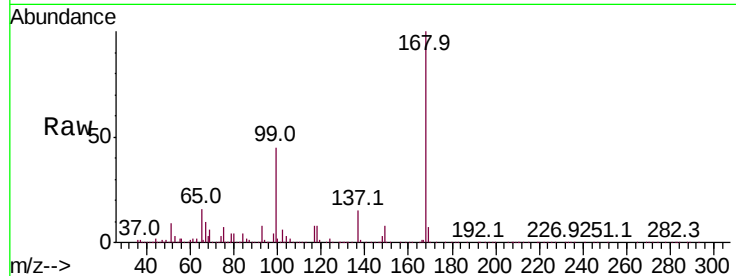
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.06 min Scan# 459
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
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ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	45.2	39.1	58.7

Manual Integrations
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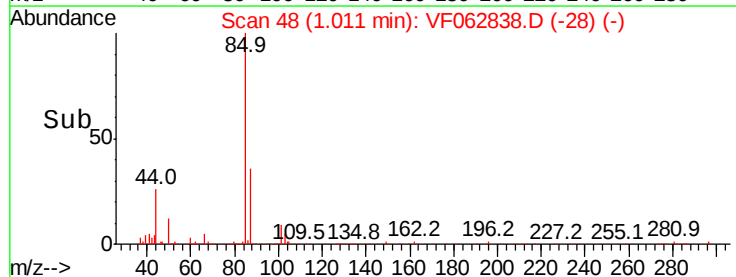
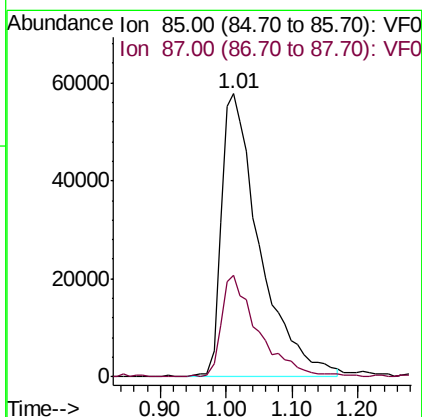
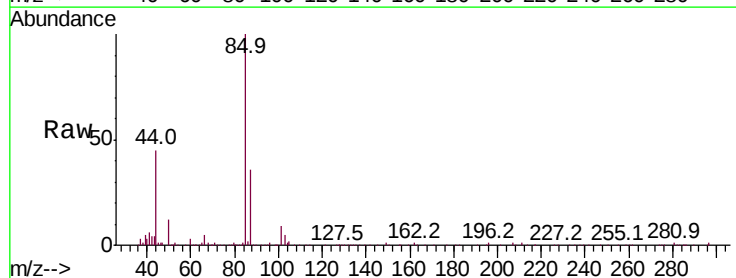
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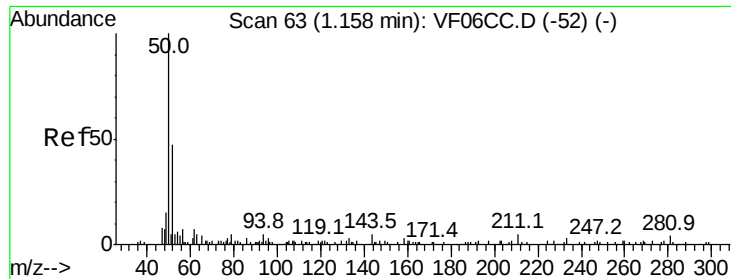


#2

Dichlorodifluoromethane
Concen: 21.840 ug/l
RT: 1.01 min Scan# 48
Delta R.T. -0.00 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.8	17.6	52.9





#3

Chloromethane

Concen: 20.911 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 50 Resp: 185787

Ion Ratio Lower Upper

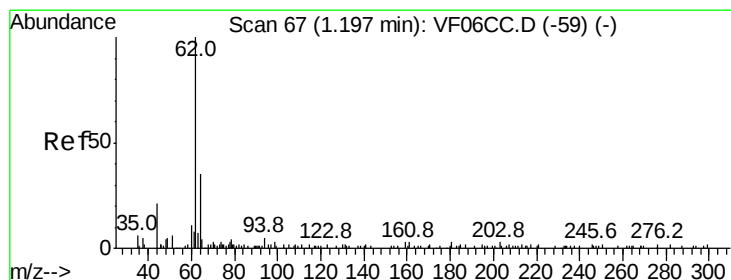
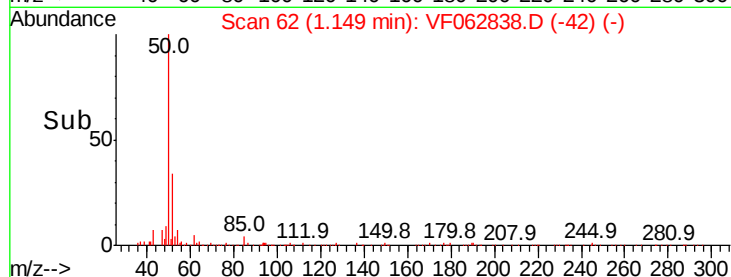
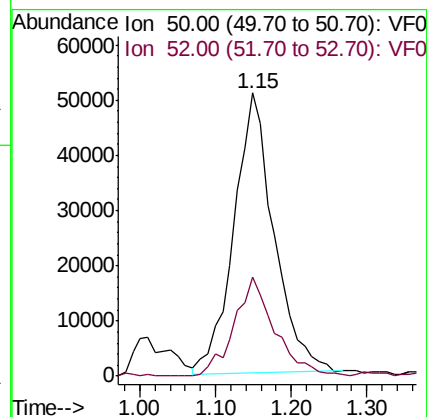
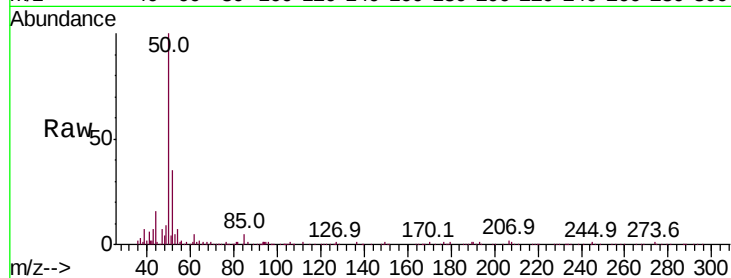
50 100

52 35.1 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.230 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062838.D

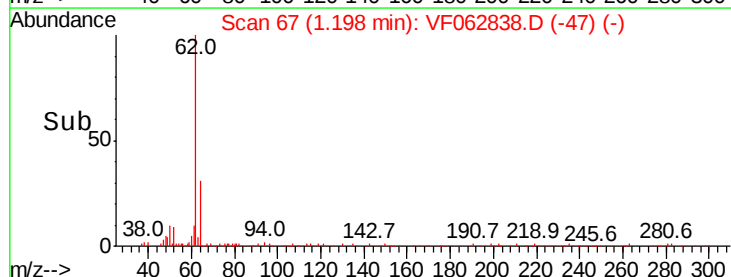
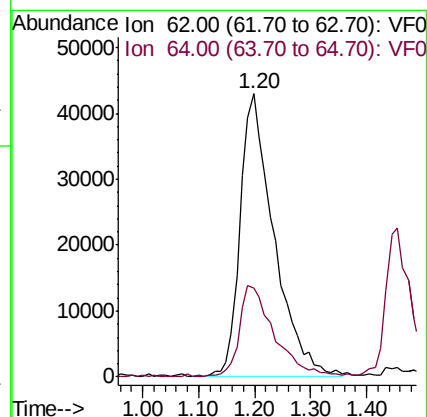
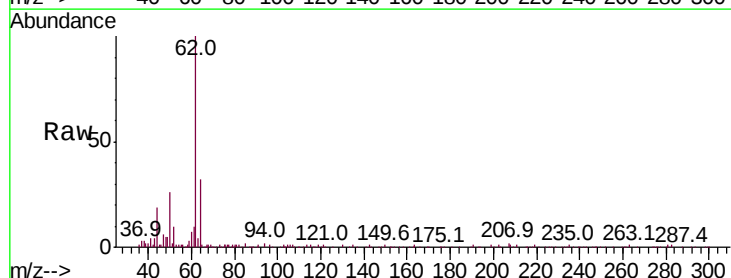
Acq: 4 Jun 2019 14:56

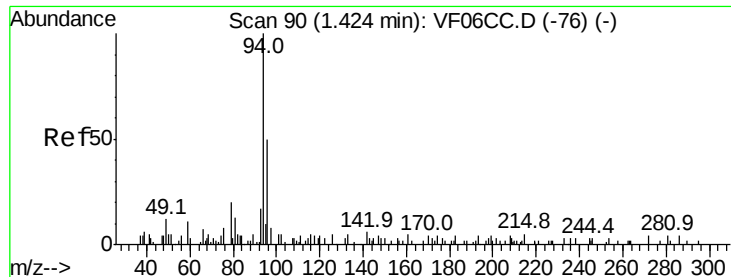
Tgt Ion: 62 Resp: 178611

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 21.307 ug/l

RT: 1.41 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tot Ion: 94 Resp: 107283

Ion Ratio Lower Upper

94 100

96 94.4 73.8 110.6

Instrument :

MSVOA_F

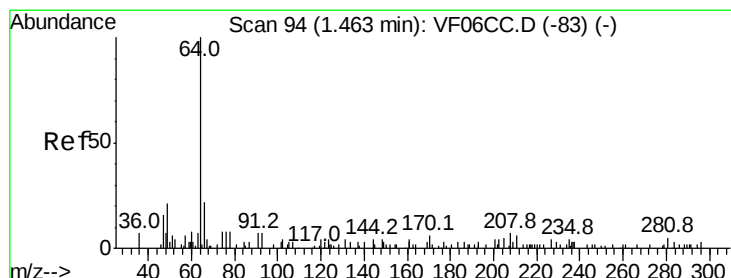
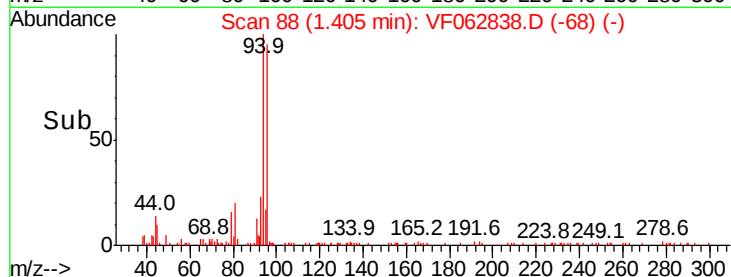
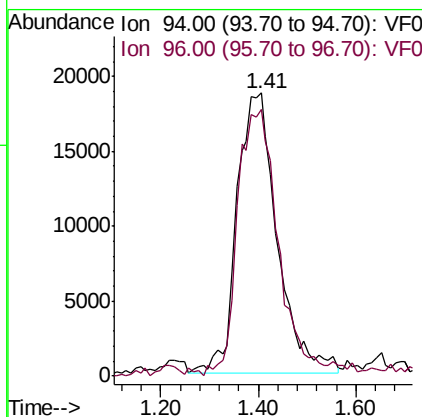
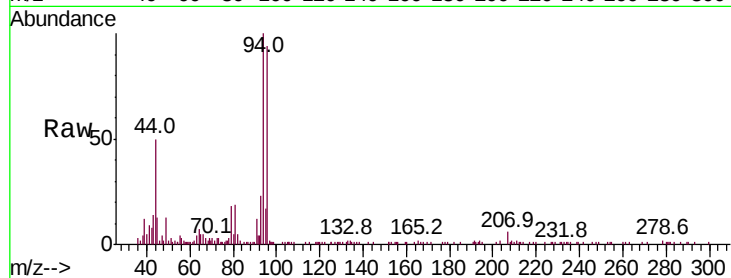
ClientSampleId :

VF0604SBS01

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#6

Chloroethane

Concen: 21.027 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062838.D

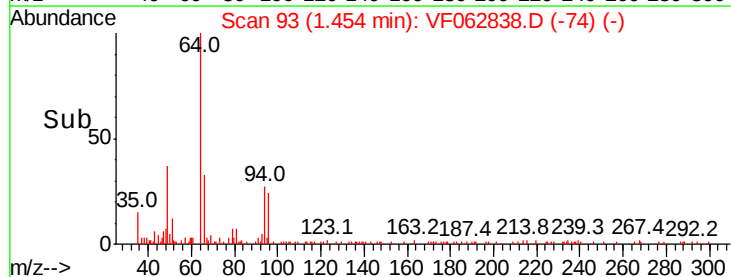
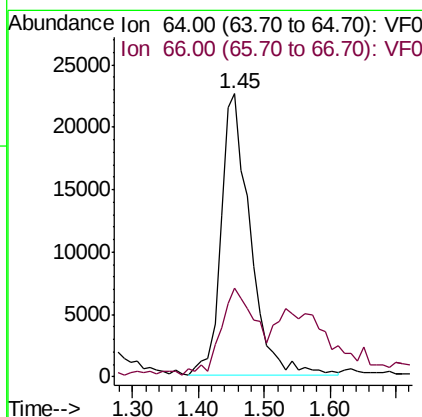
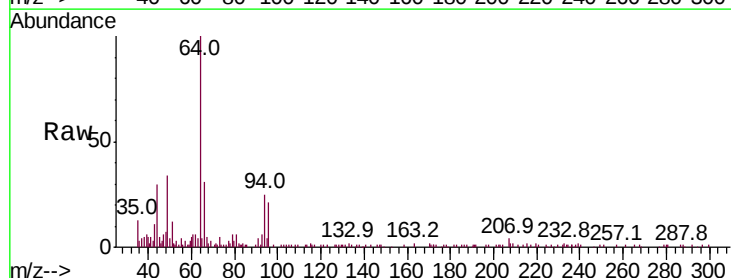
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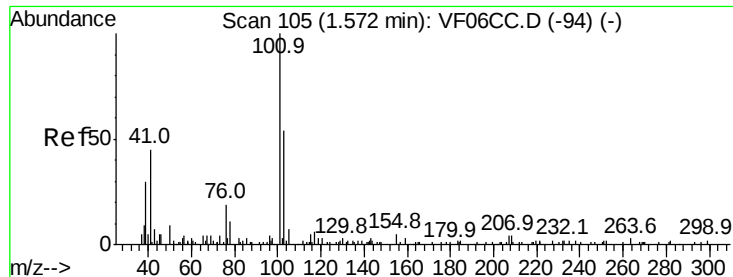
Tgt Ion: 64 Resp: 69410

Ion Ratio Lower Upper

64 100

66 31.4 31.0 46.4





#7

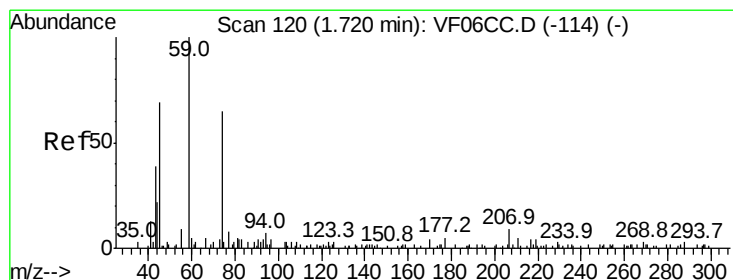
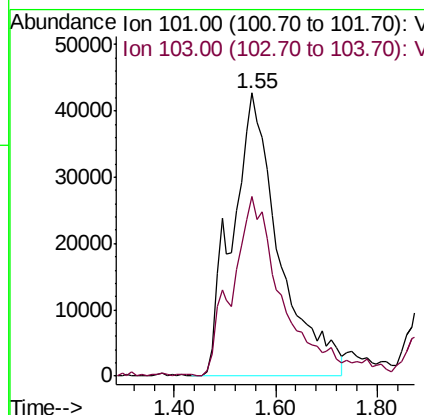
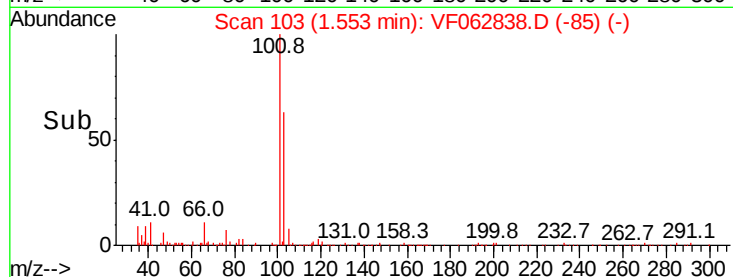
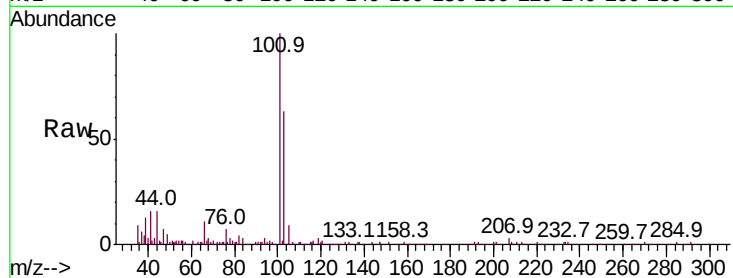
Trichlorofluoromethane
Concen: 22.143 ug/l m
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	54.6	82.0

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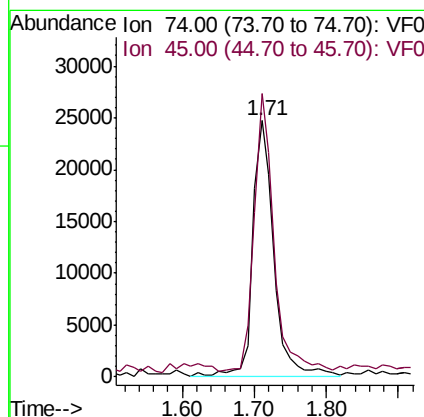
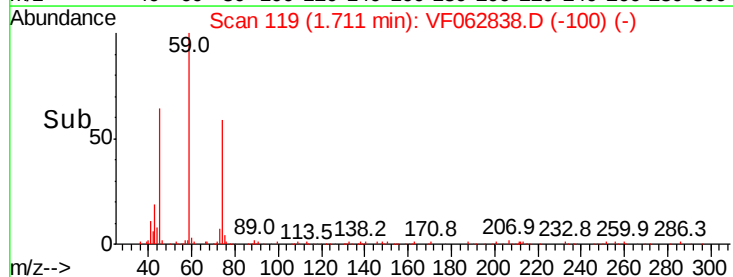
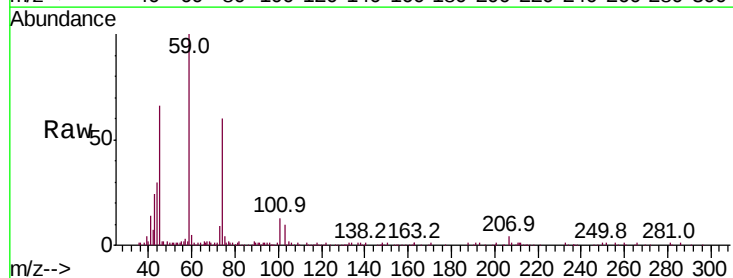
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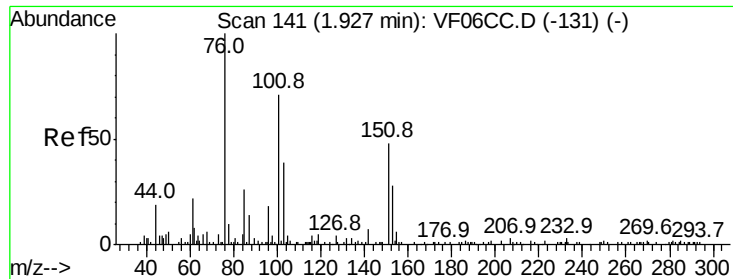


#8

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

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.6	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.958 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

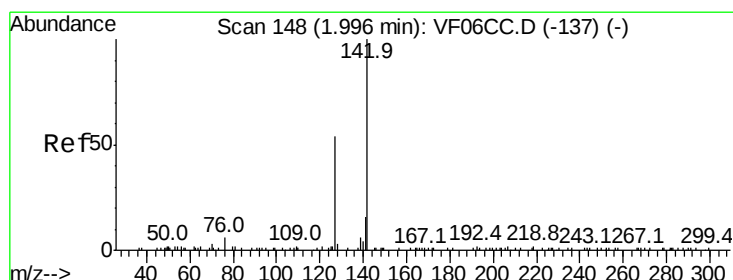
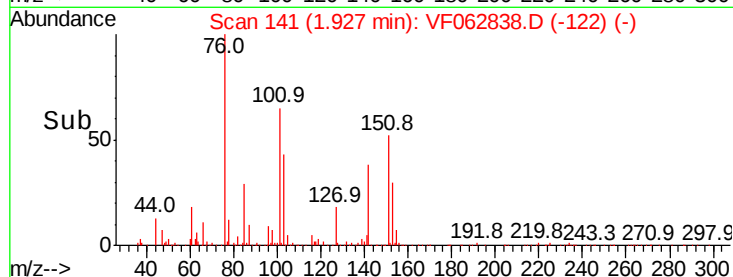
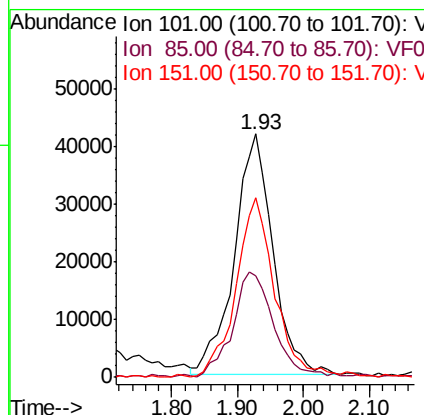
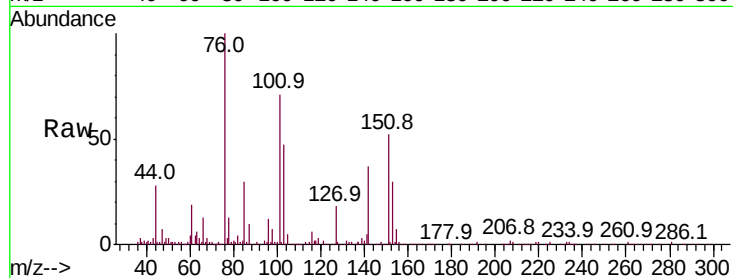
ClientSampleId :

VF0604SBS01

Tot Ion:	101	Resp:	172543
Ion Ratio	Lower	Upper	
101	100		
85	41.6	37.1	55.7
151	73.8	60.3	90.5

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#10

Methyl Iodide

Concen: 21.286 ug/l m

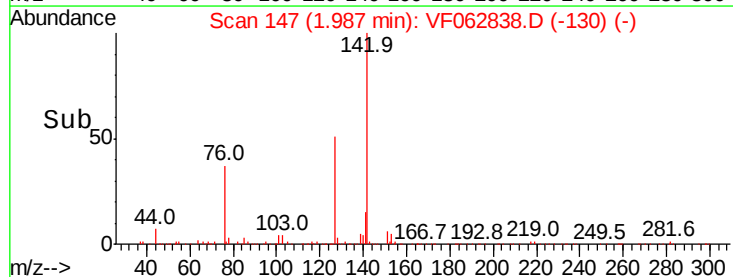
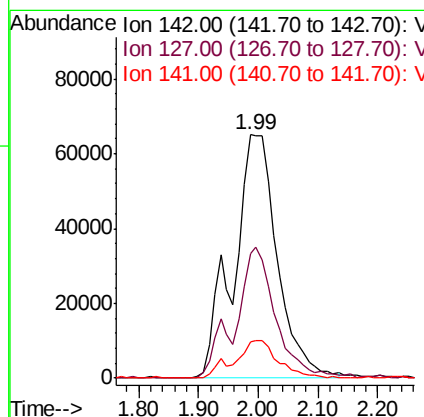
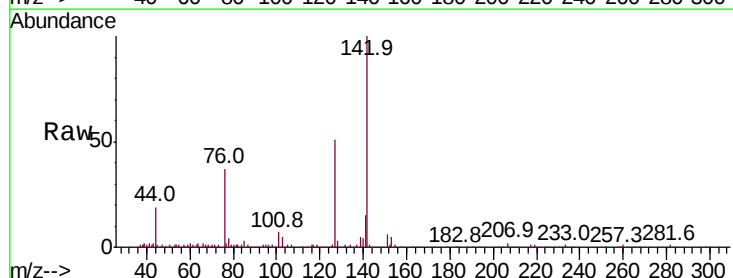
RT: 1.99 min Scan# 147

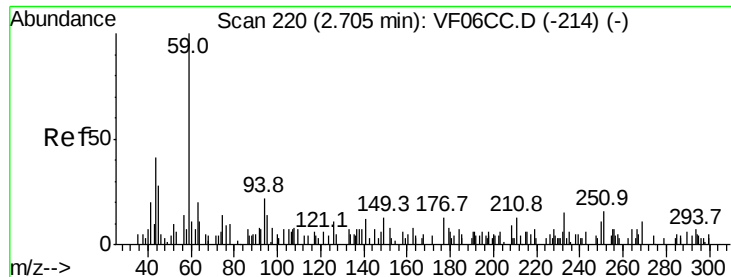
Delta R.T. -0.03 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion:	142	Resp:	335375
Ion Ratio	Lower	Upper	
142	100		
127	51.4	39.4	59.2
141	15.1	10.6	15.8





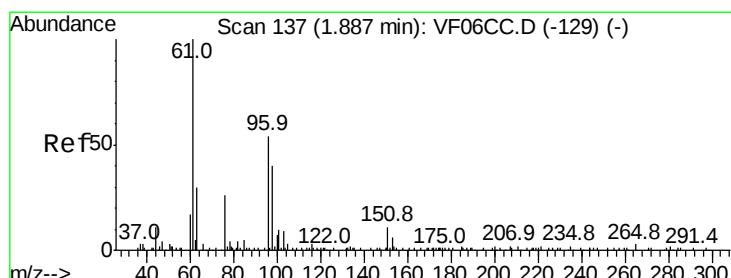
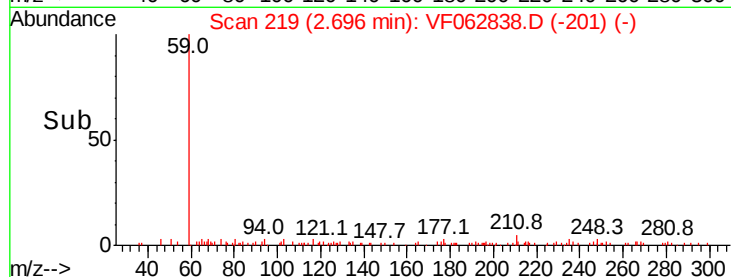
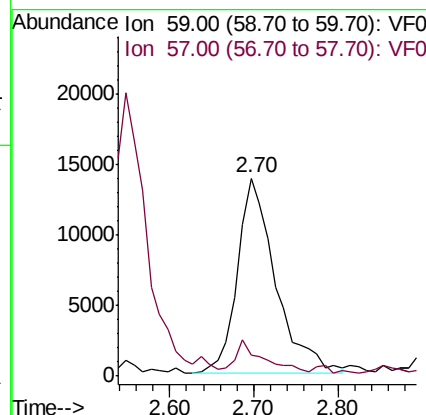
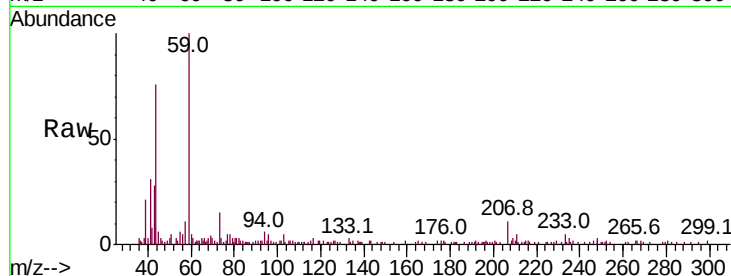
#11
Tert butyl alcohol
Concen: 121.113 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

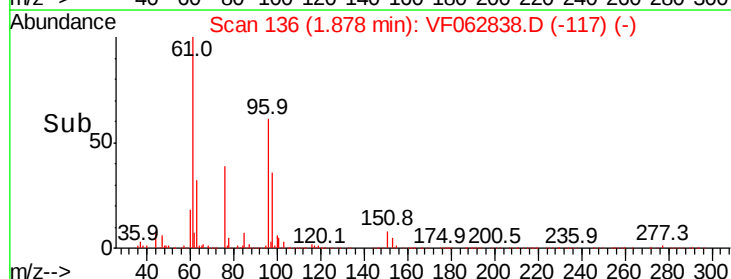
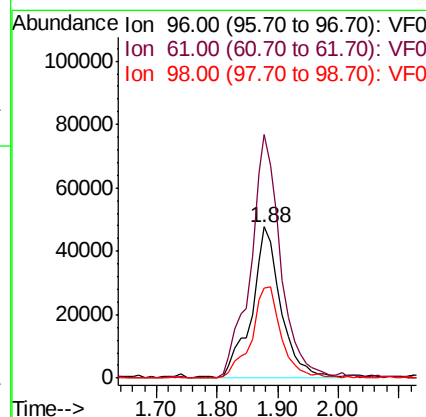
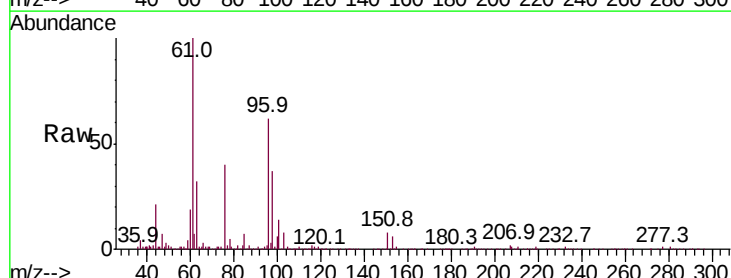
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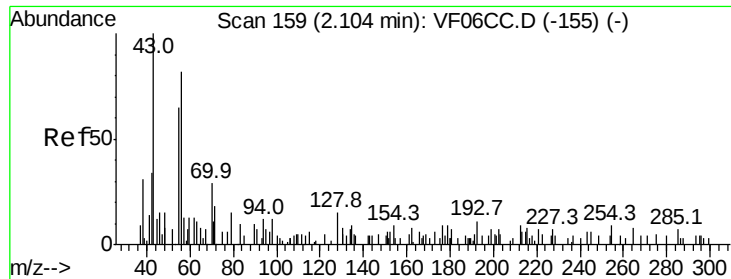
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.047 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

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





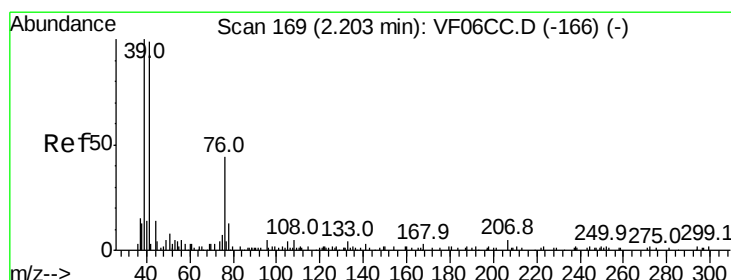
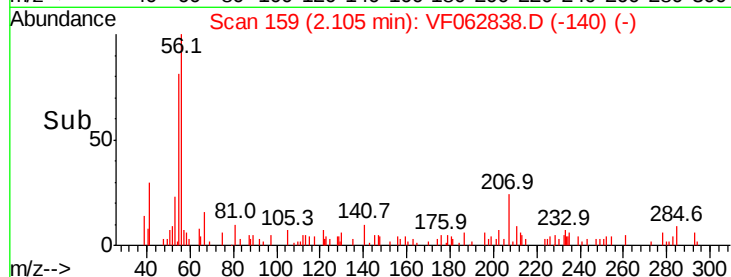
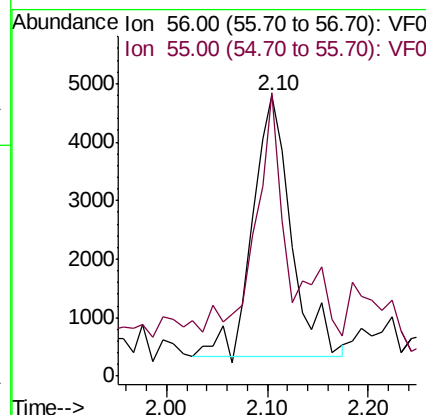
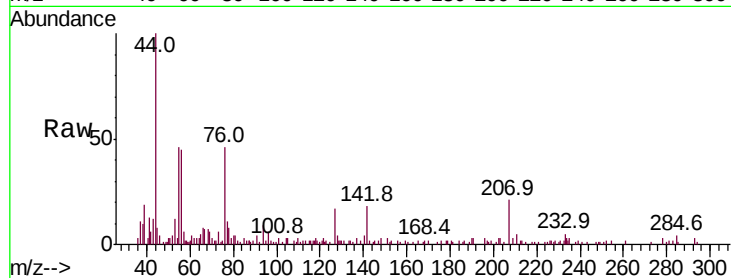
#13
Acrolein
Concen: 76.804 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	56	Resp	11851
Ion	Ratio	Lower	Upper
56	100		
55	100.9	52.9	79.3#

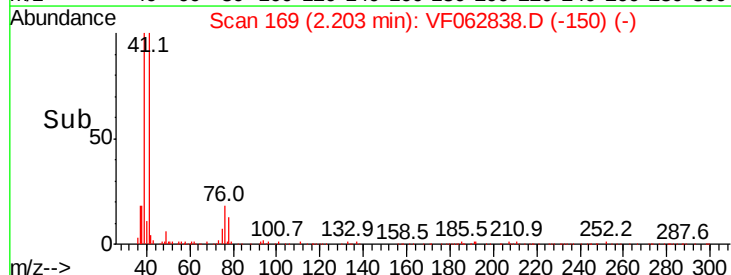
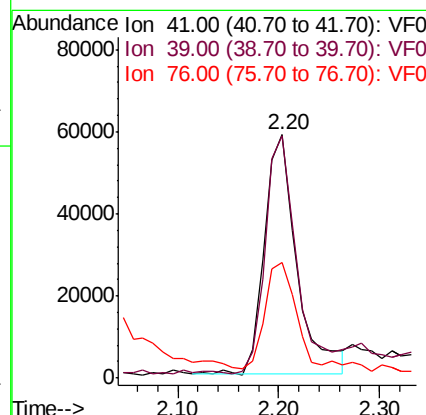
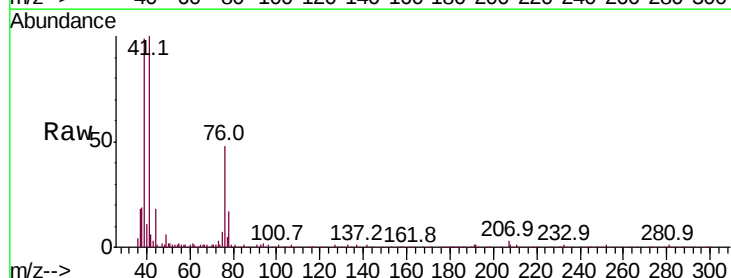
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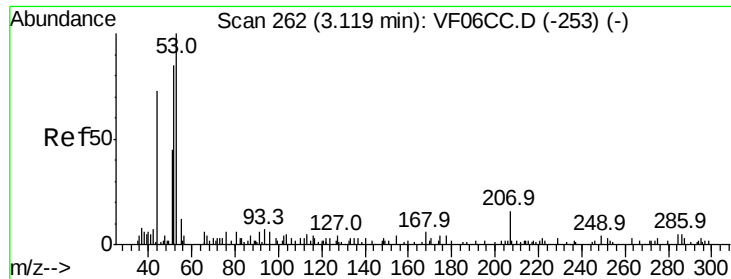
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#14
Allyl chloride
Concen: 23.465 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	41	Resp	129892
Ion	Ratio	Lower	Upper
41	100		
39	99.3	71.9	107.9
76	47.6	39.6	59.4





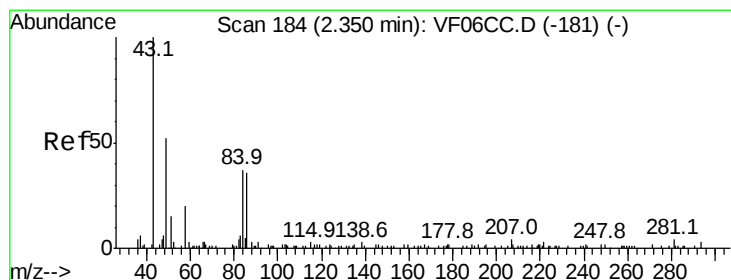
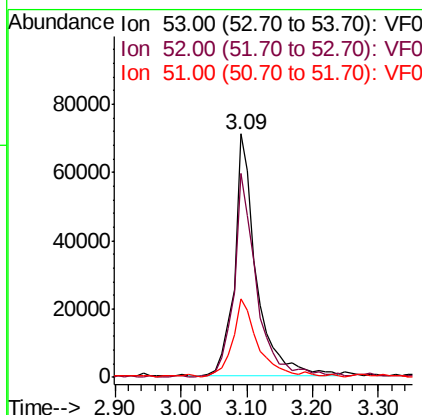
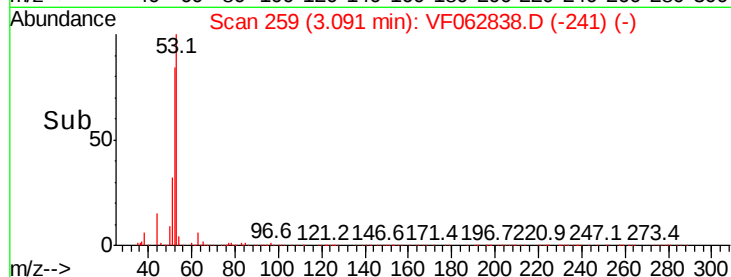
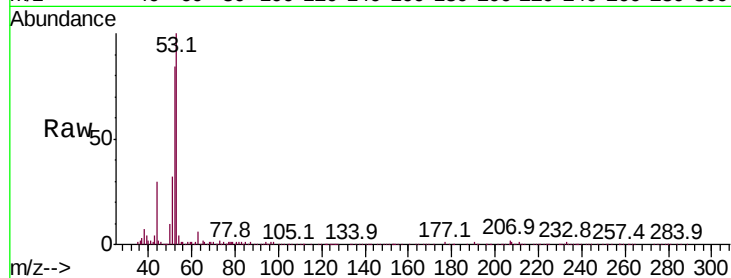
#15
 Acrylonitrile
 Concen: 123.134 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	68.1	102.1
51	32.5	27.7	41.5

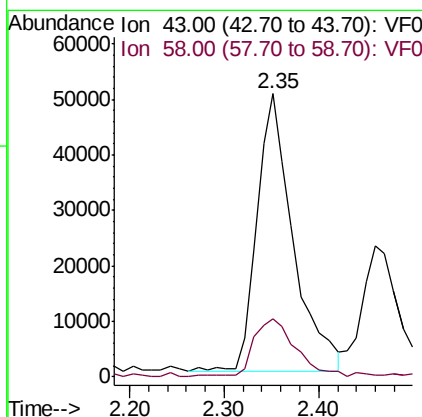
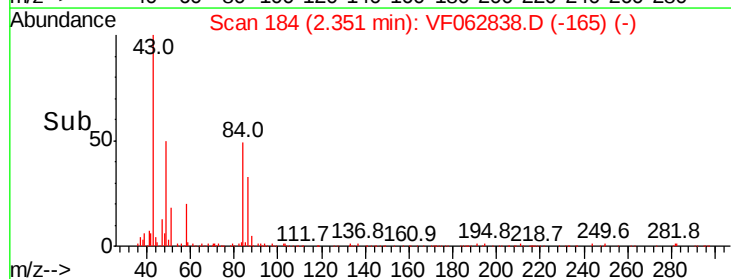
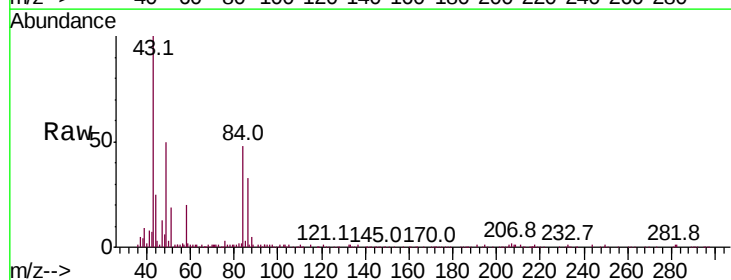
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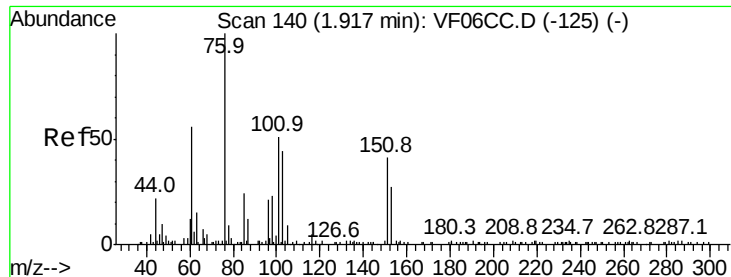
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#16
 Acetone
 Concen: 97.622 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.4	19.0	28.4





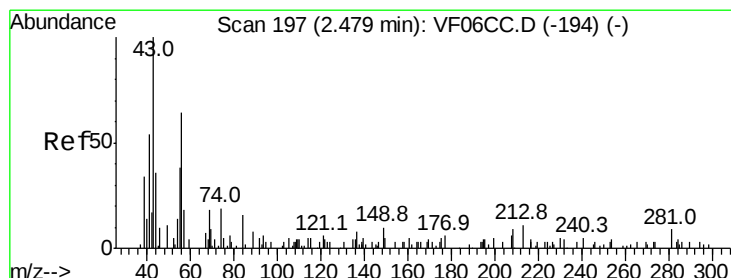
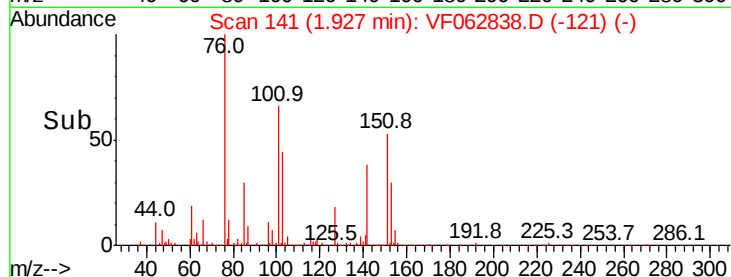
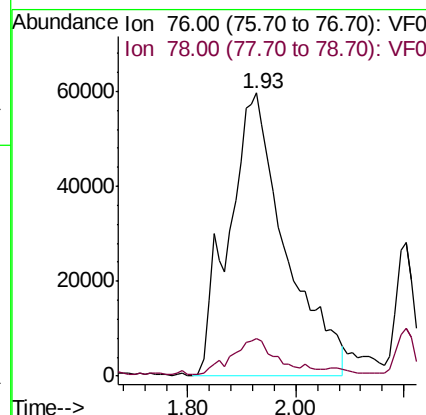
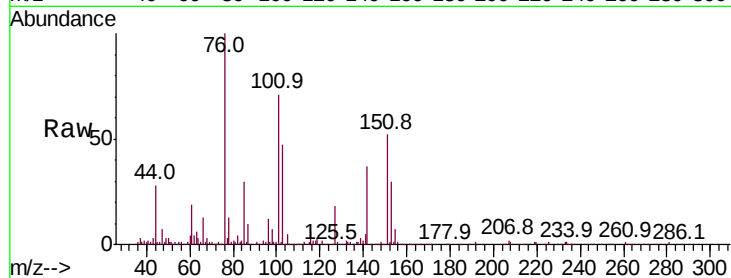
#17
Carbon Disulfide
Concen: 20.767 ug/l
RT: 1.93 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

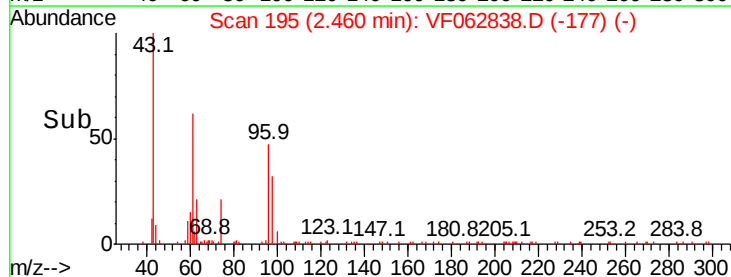
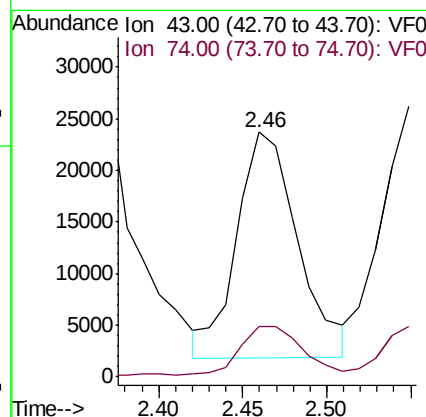
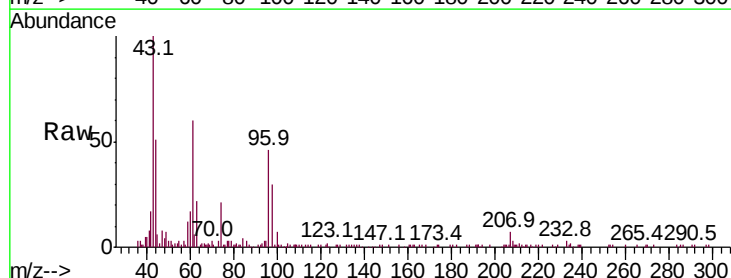
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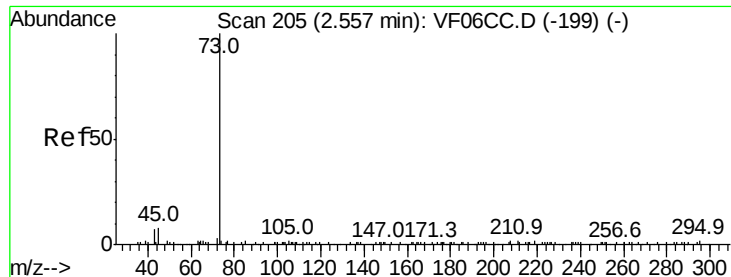
MMDadoda
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#18
Methyl Acetate
Concen: 23.139 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

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





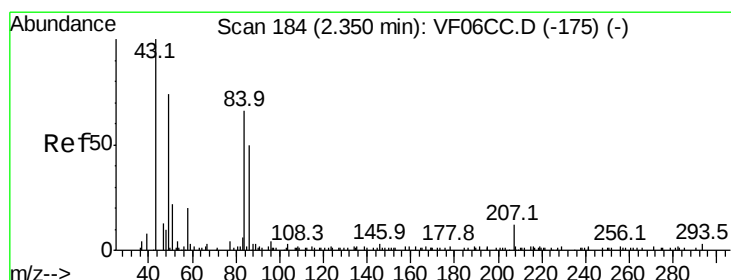
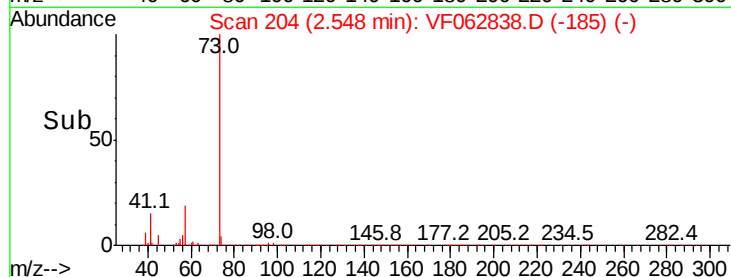
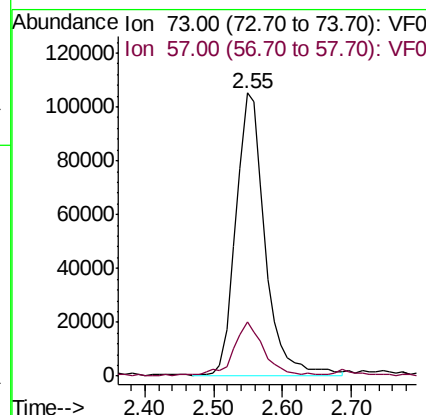
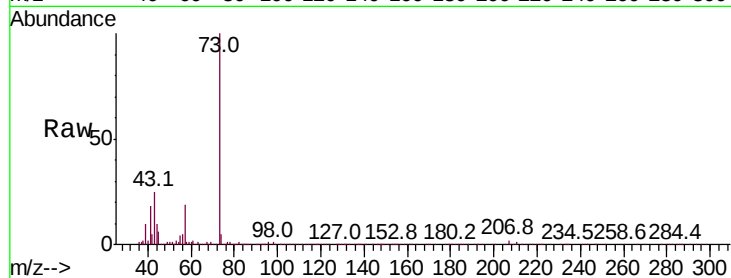
#19
Methvl tert-butvl Ether
Concen: 23.598 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

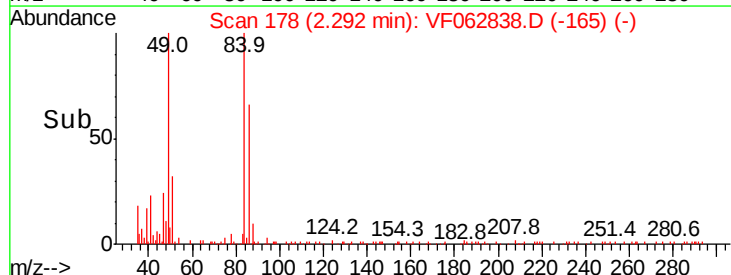
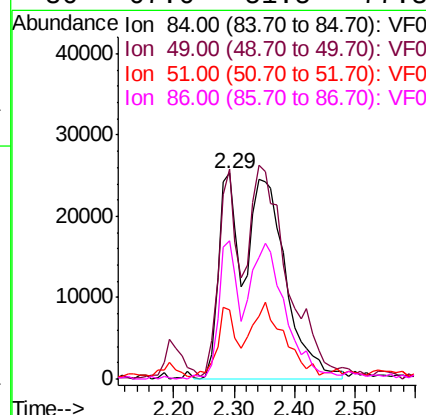
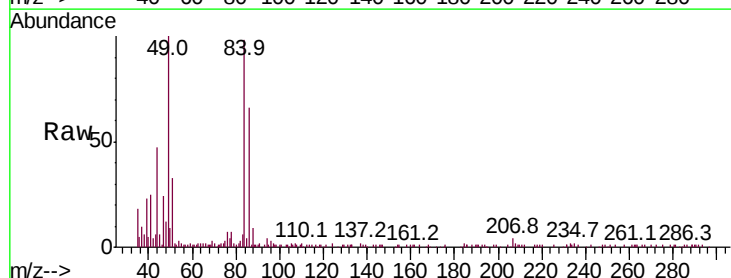
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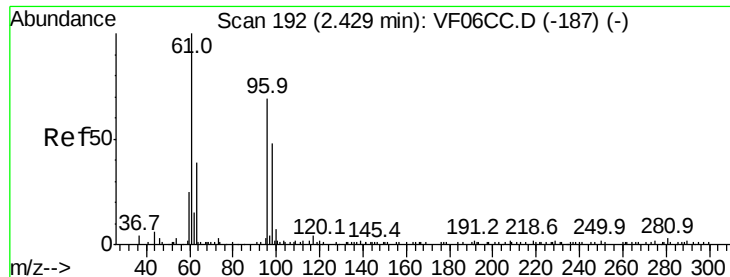
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#20
Methylene Chloride
Concen: 21.666 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 84 Resp: 158961
Ion Ratio Lower Upper
84 100
49 102.1 82.6 123.8
51 33.7 25.0 37.4
86 67.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 22.927 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 96 Resp: 164025

Ion Ratio Lower Upper

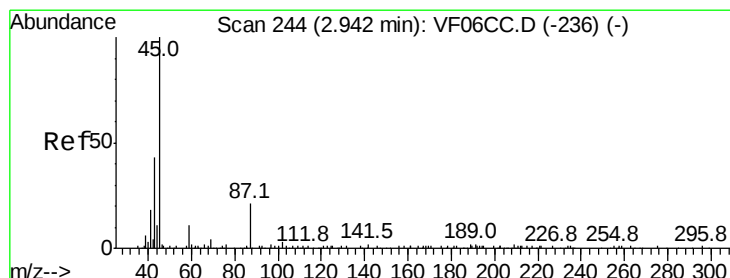
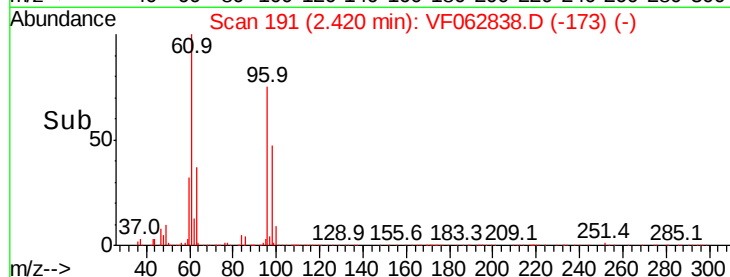
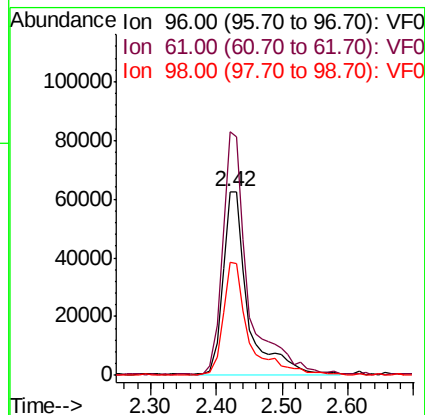
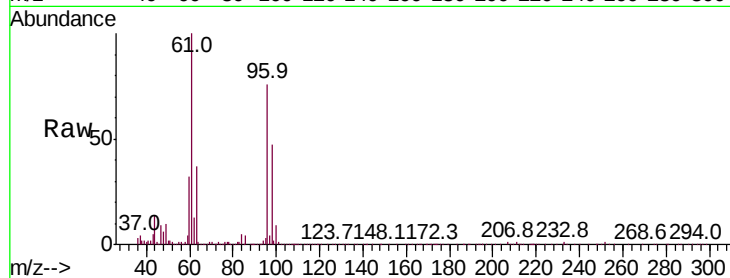
96 100

61 132.4 105.0 157.6

98 61.8 51.1 76.7

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#22

Diisopropyl ether

Concen: 20.839 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion: 45 Resp: 327748

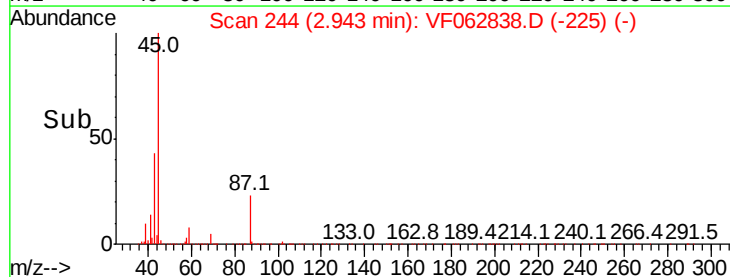
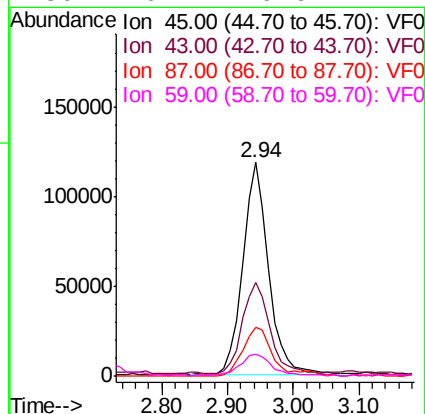
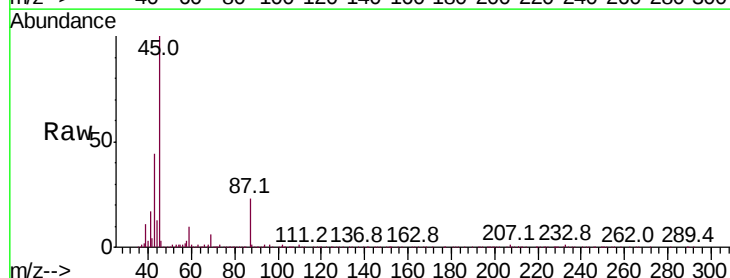
Ion Ratio Lower Upper

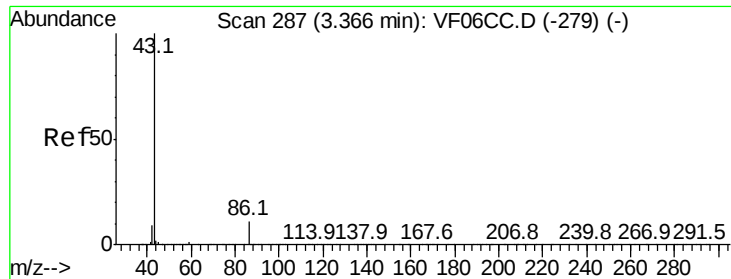
45 100

43 44.0 34.3 51.5

87 23.0 19.0 28.4

59 10.2 9.6 14.4





#23

Vinyl Acetate

Concen: 114.279 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 43 Resp: 1230439

Ion Ratio Lower Upper

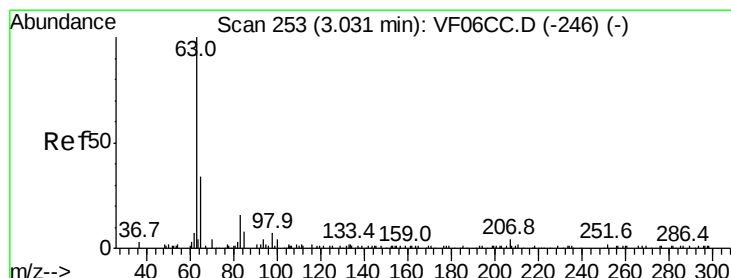
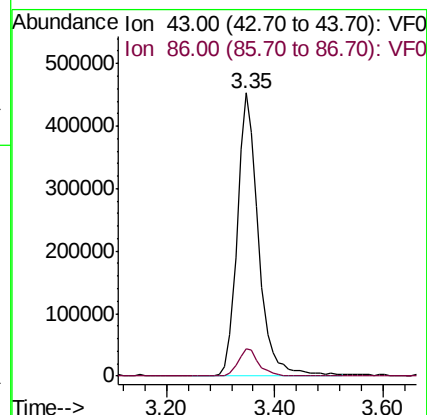
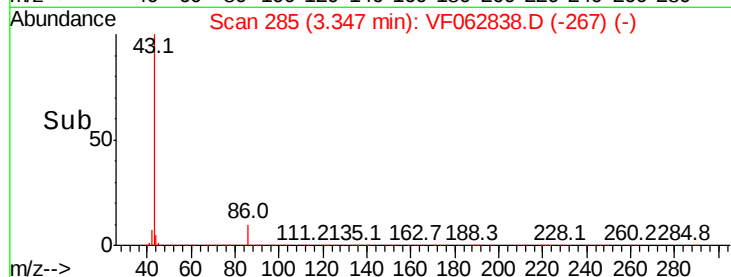
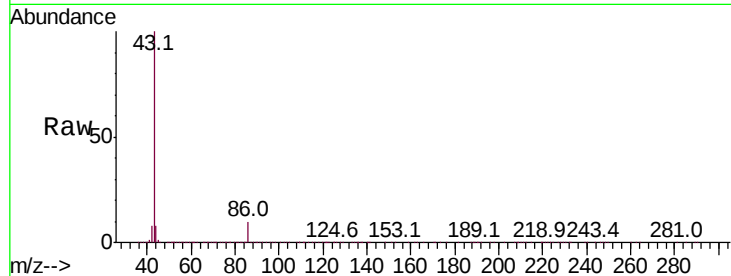
43 100

86 9.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 22.542 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

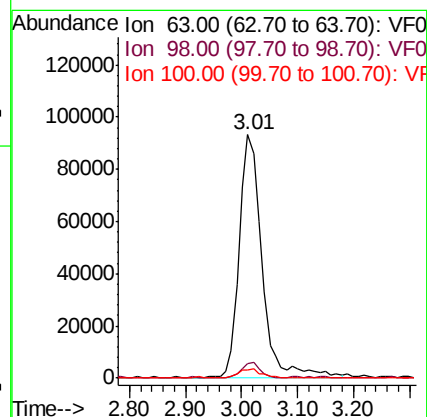
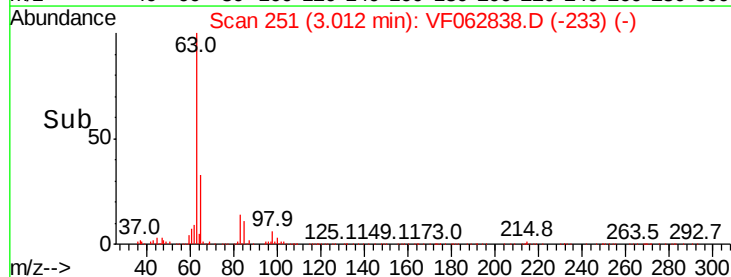
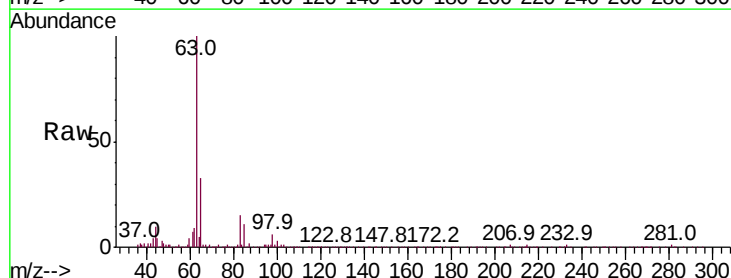
Tgt Ion: 63 Resp: 264699

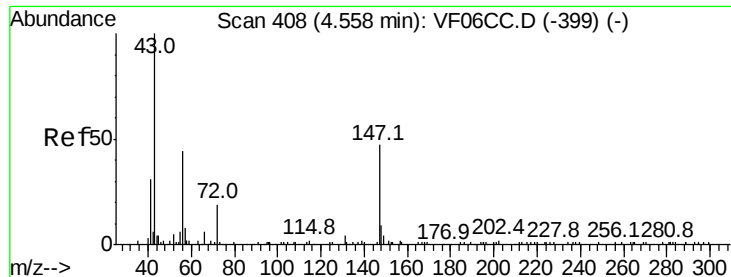
Ion Ratio Lower Upper

63 100

98 6.0 2.4 7.1

100 3.1 1.5 4.5





#25

2-Butanone

Concen: 108.624 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 43 Resp: 343771

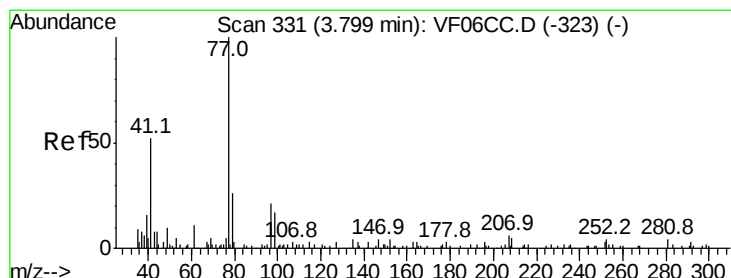
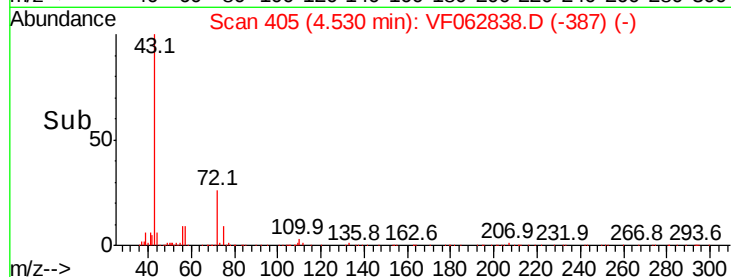
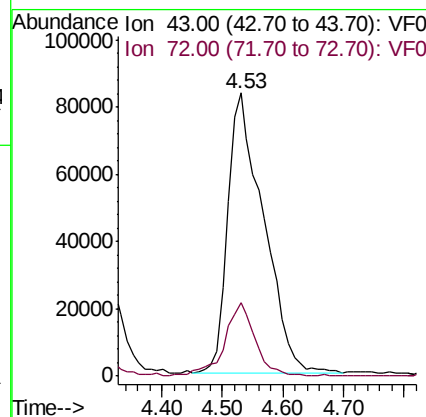
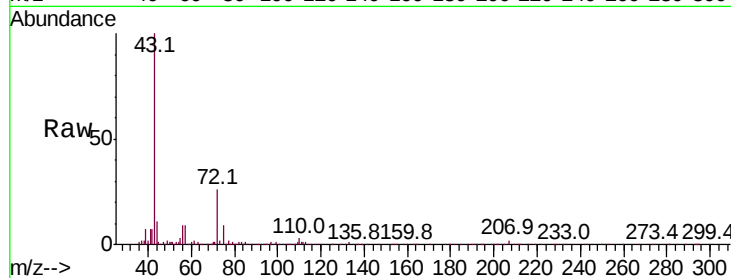
Ion Ratio Lower Upper

43 100

72 25.8 21.4 32.0

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6/6/2019 8:48:58 AM



#26

2,2-Dichloropropane

Concen: 22.890 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF062838.D

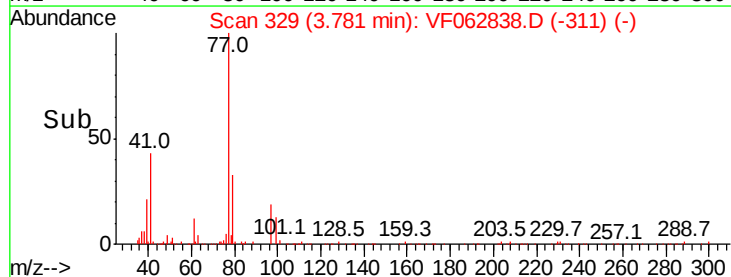
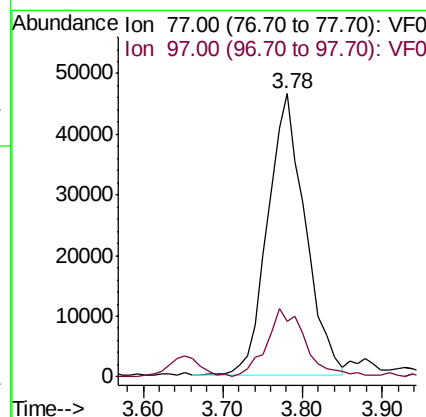
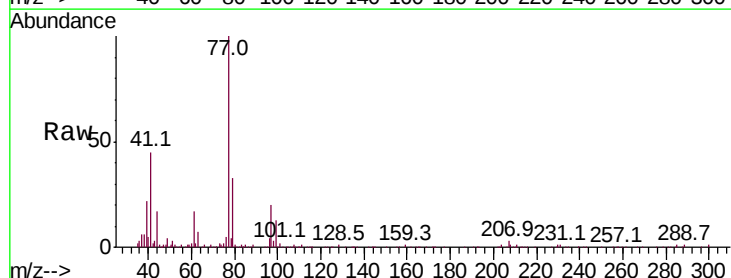
Acq: 4 Jun 2019 14:56

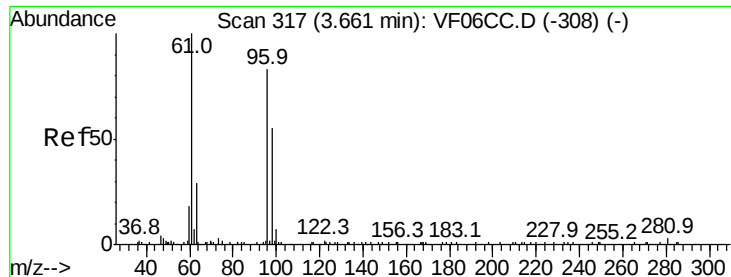
Tgt Ion: 77 Resp: 152616

Ion Ratio Lower Upper

77 100

97 19.8 12.4 37.4





#27

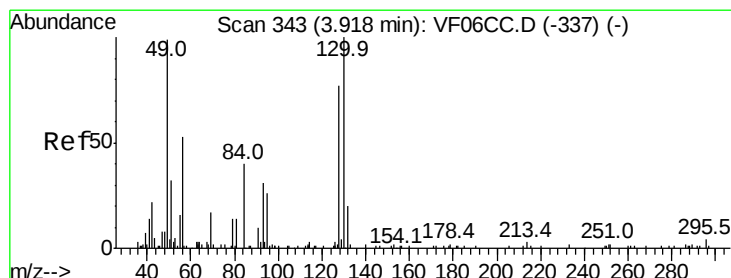
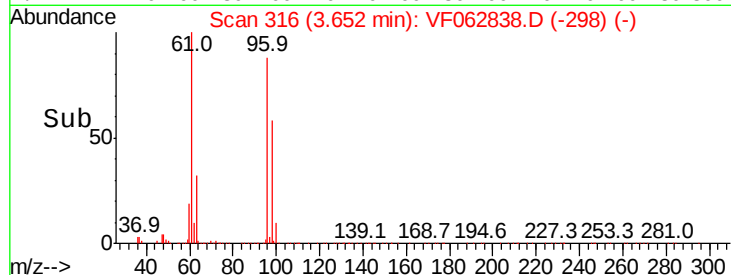
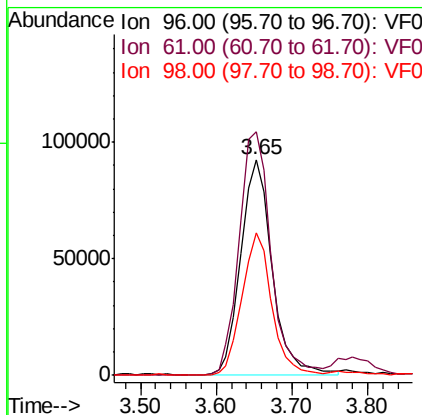
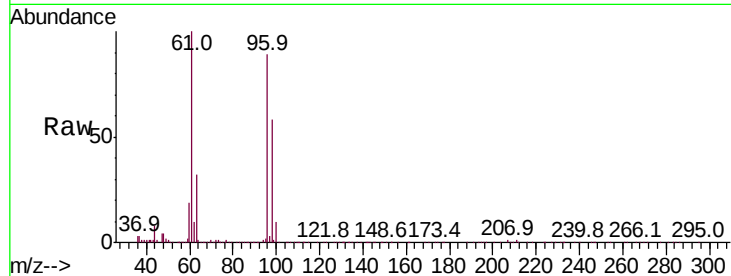
cis-1,2-Dichloroethene
Concen: 22.045 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265113		
61	112.7	0.0	213.8	
98	65.7	0.0	127.0	

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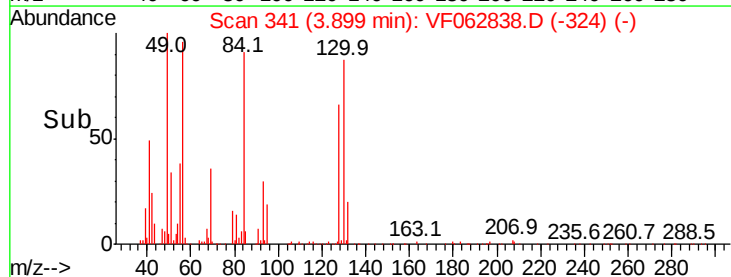
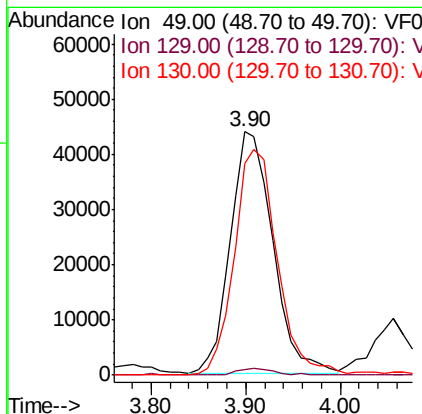
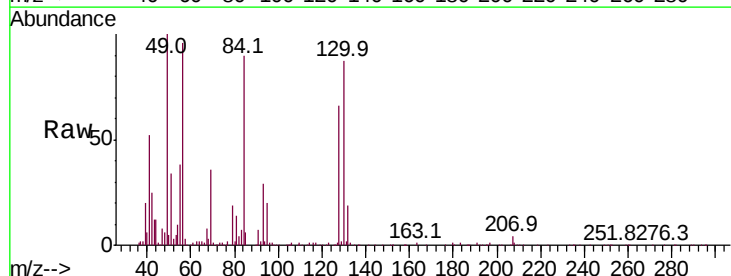
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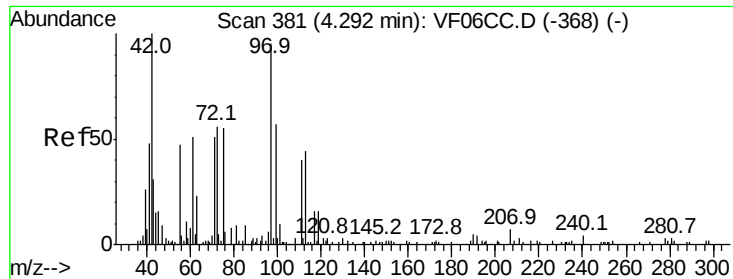


#28

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

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136714		
129	2.4	0.0	5.4	
130	86.9	79.2	118.8	





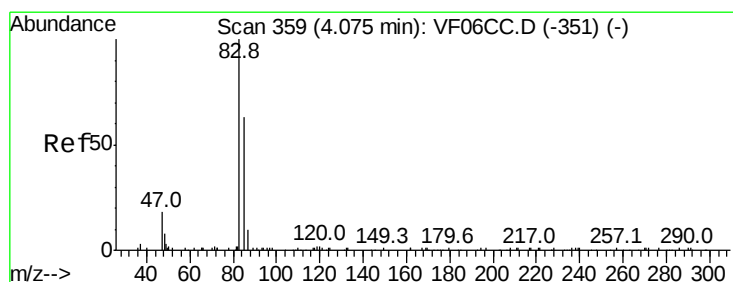
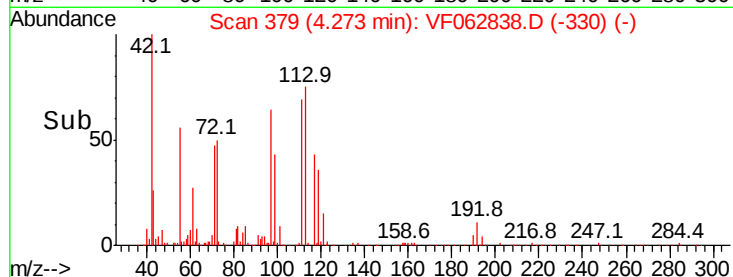
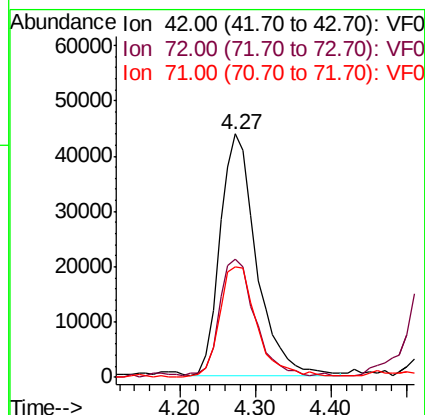
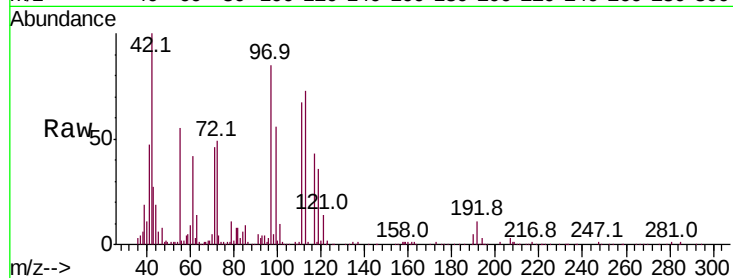
#29
Tetrahydrofuran
Concen: 120.687 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

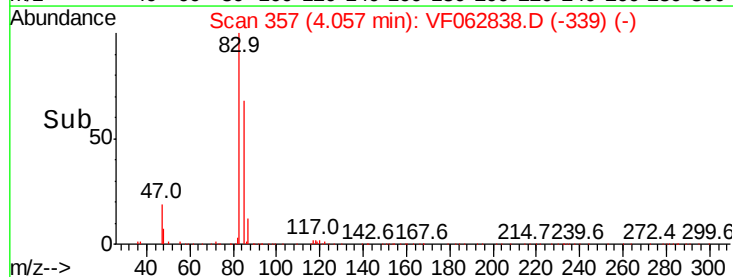
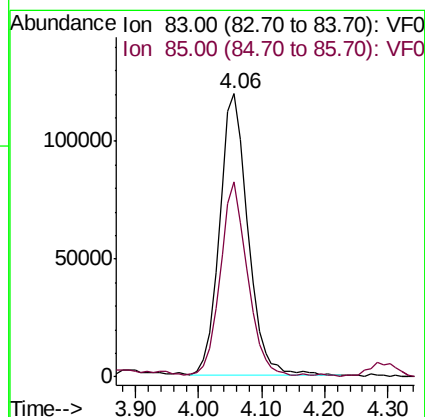
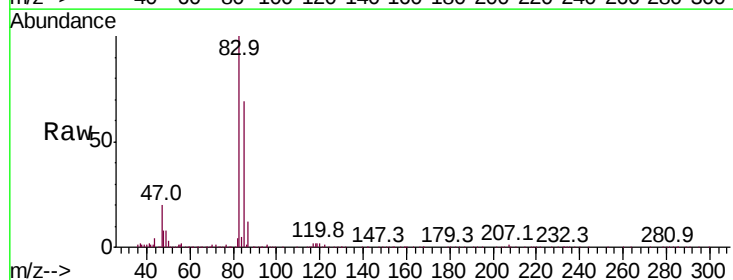
Manual Integrations
APPROVED

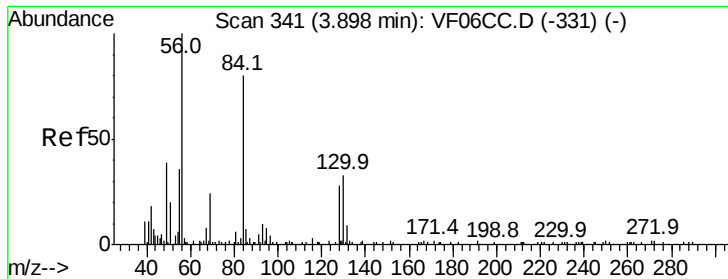
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#30
Chloroform
Concen: 22.607 ug/l
RT: 4.06 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	55.0	82.6





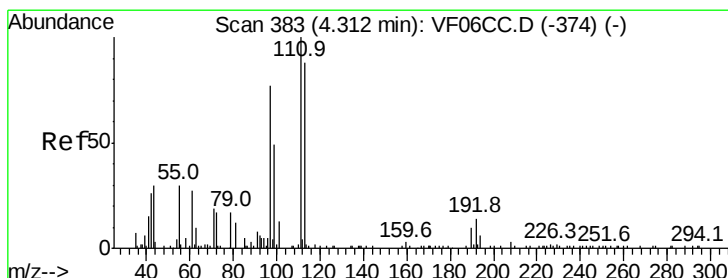
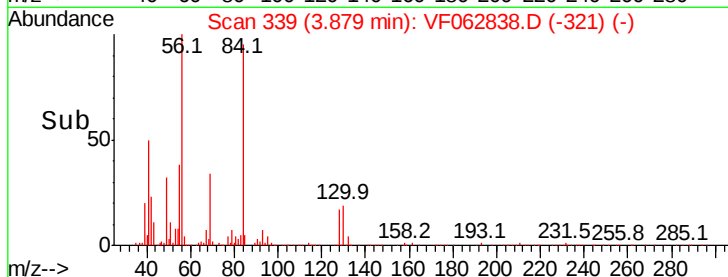
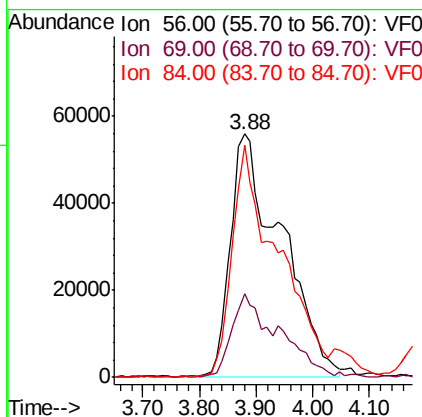
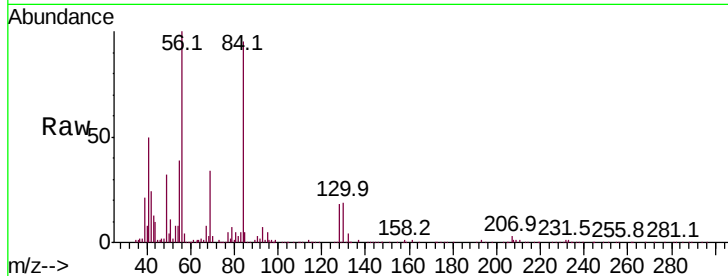
#31
Cyclohexane
Concen: 21.973 ug/l m
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

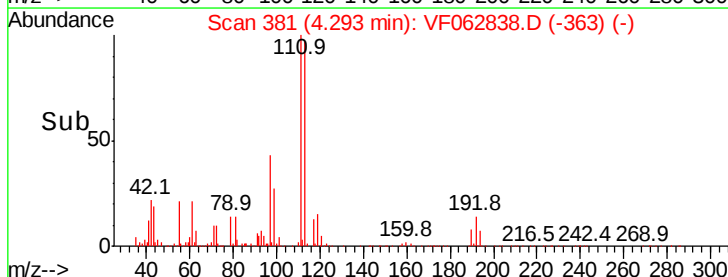
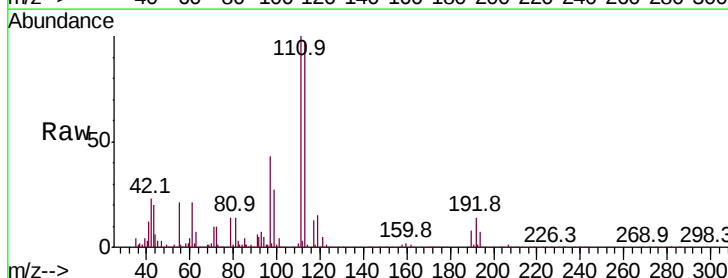
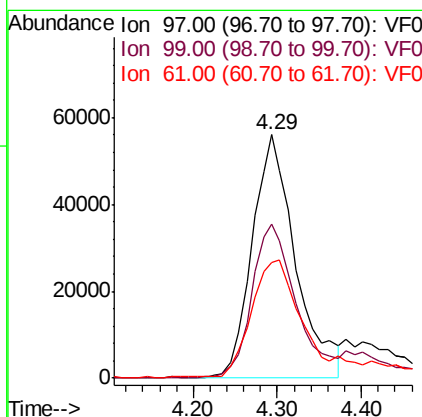
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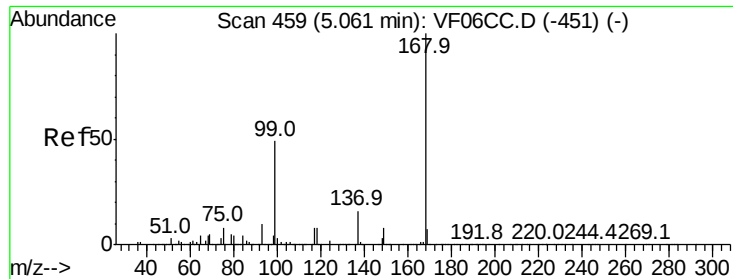
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#32
1,1,1-Trichloroethane
Concen: 20.863 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

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





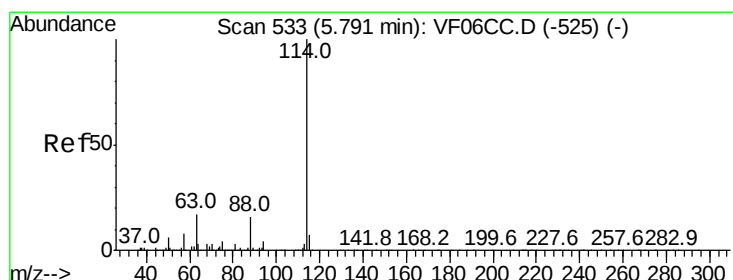
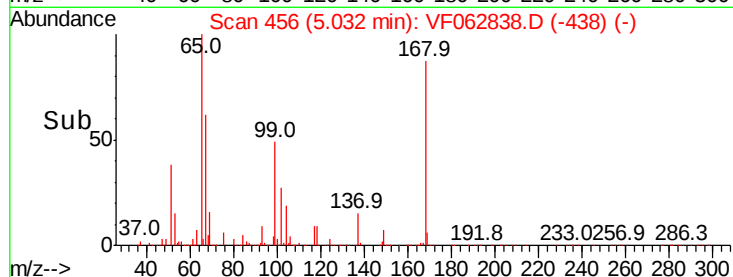
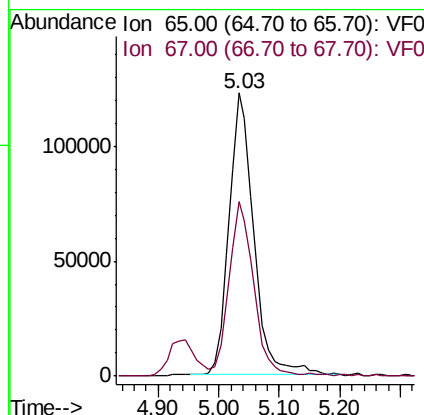
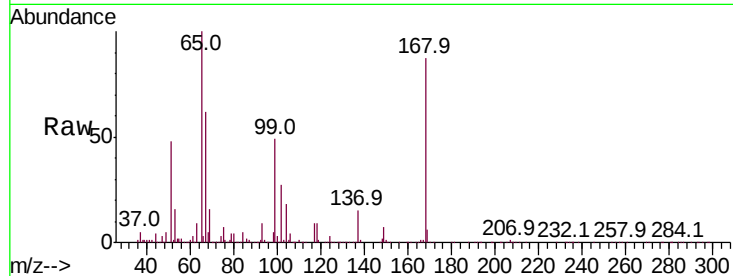
#33
 1,2-Dichloroethane-d4
 Concen: 58.757 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	61.8	0.0	121.2	

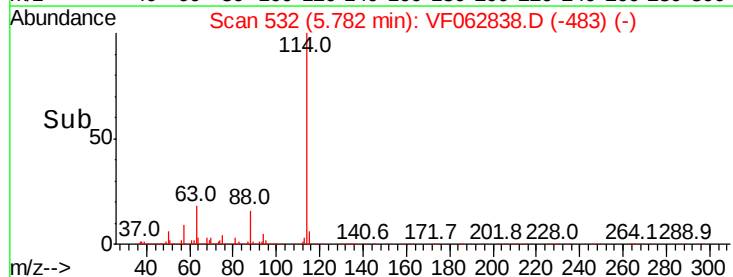
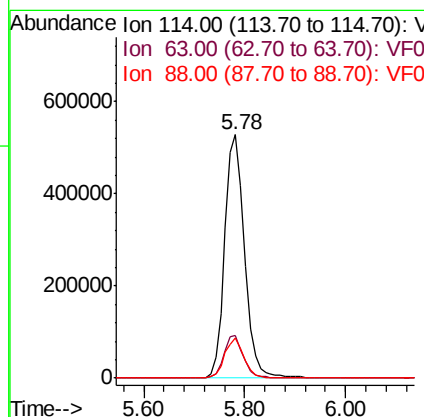
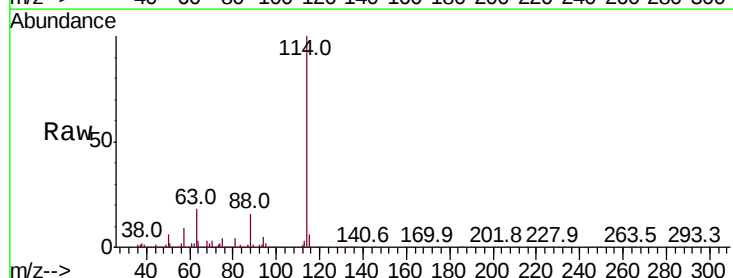
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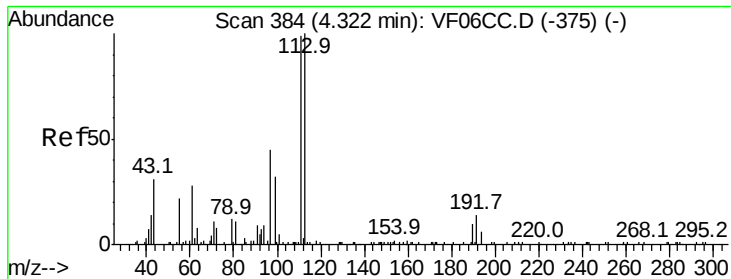
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	34.2	
88	16.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 56.246 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

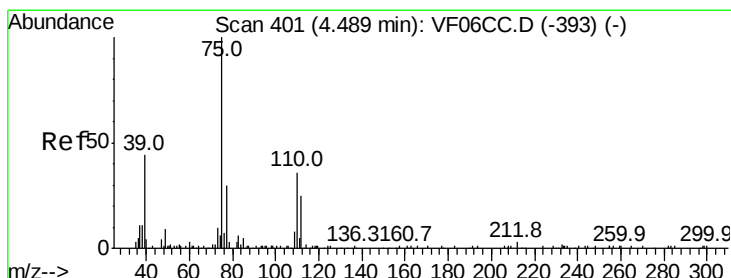
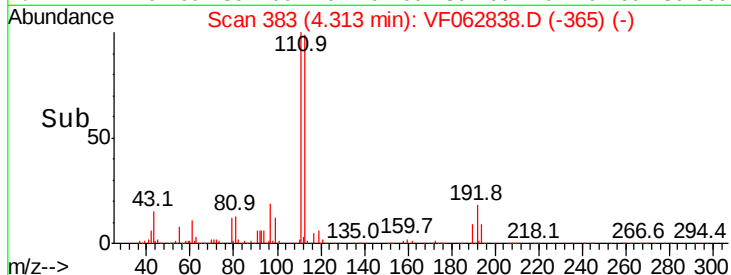
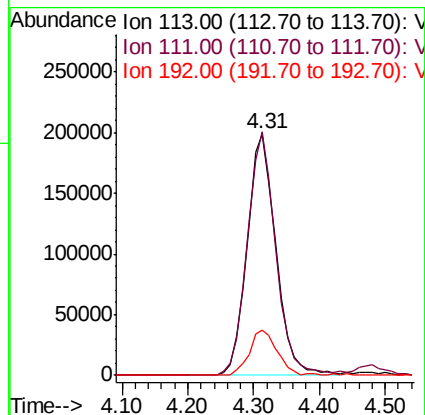
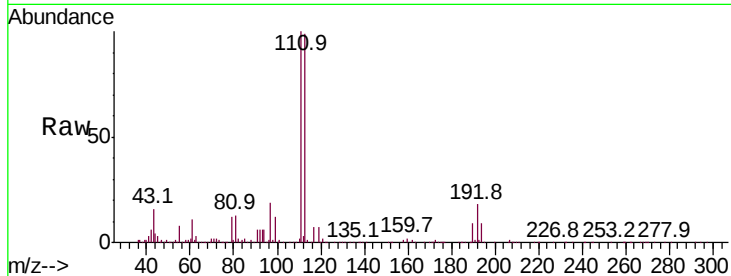
ClientSampleId :

VF0604SBS01

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

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.924 ug/l

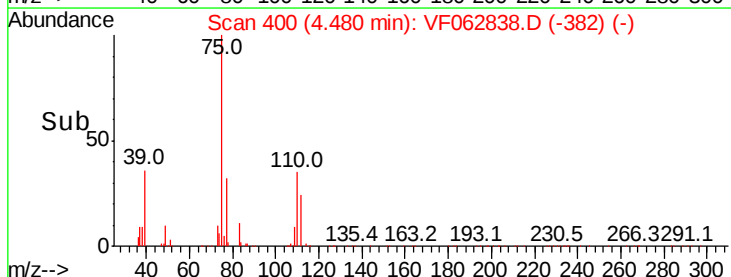
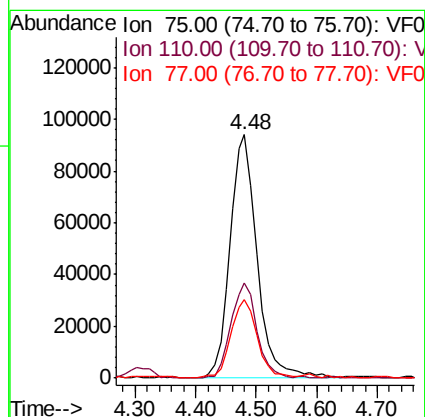
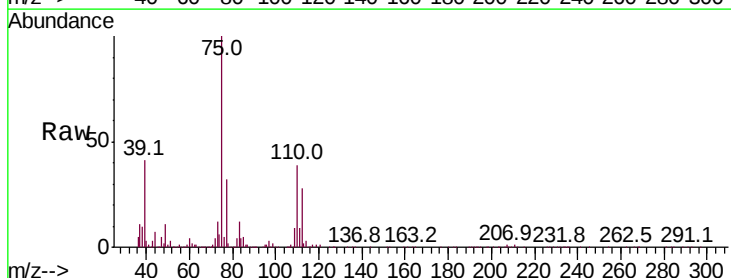
RT: 4.48 min Scan# 400

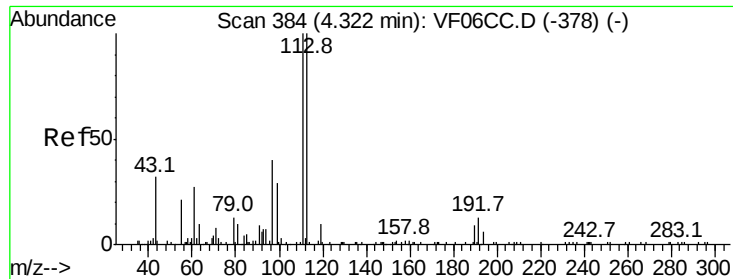
Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

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





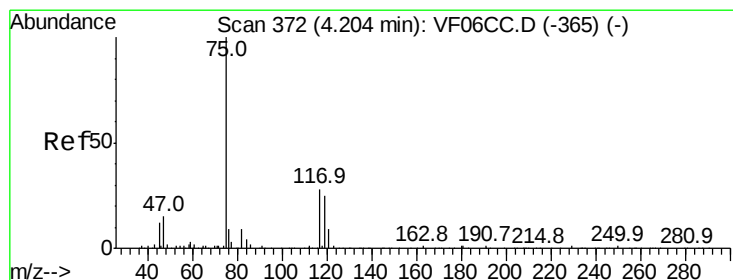
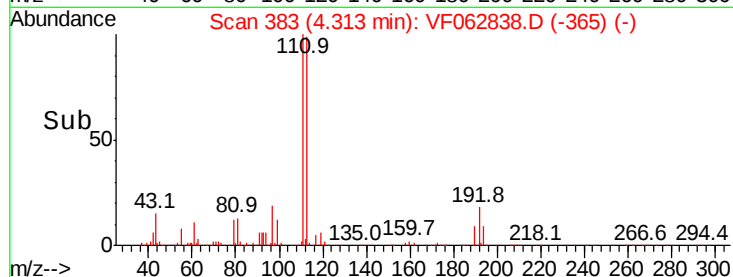
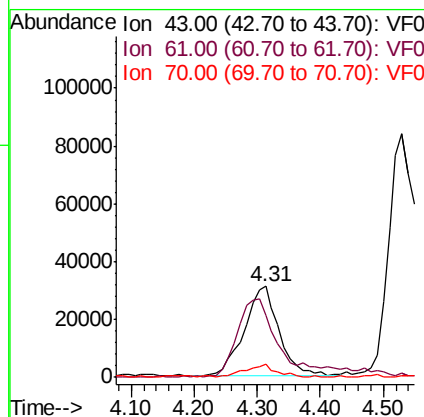
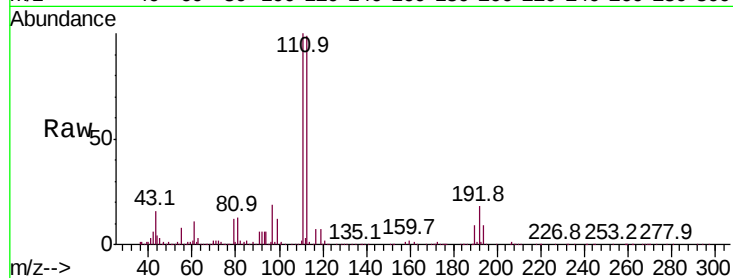
#37
Ethyl Acetate
Concen: 23.573 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

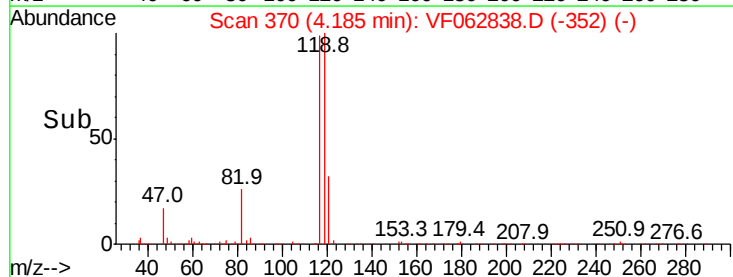
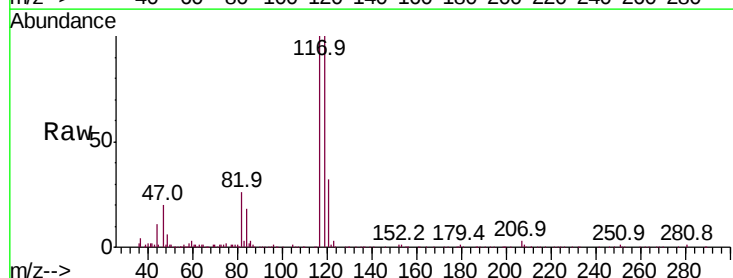
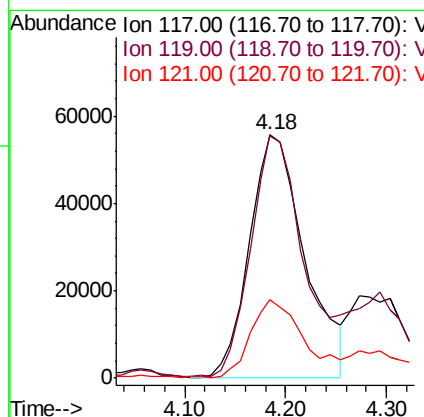
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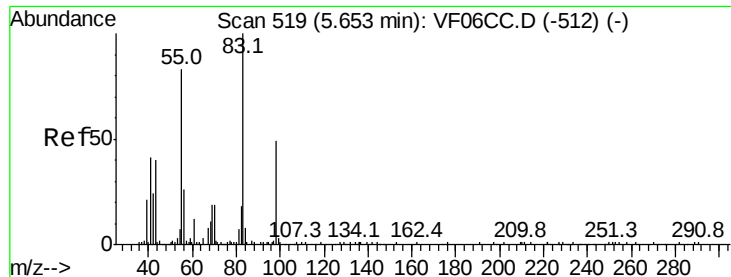
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#38
Carbon Tetrachloride
Concen: 23.535 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

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





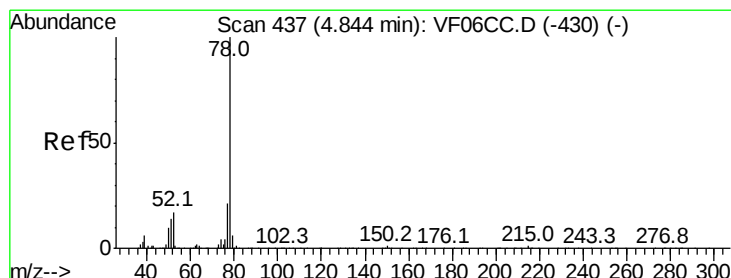
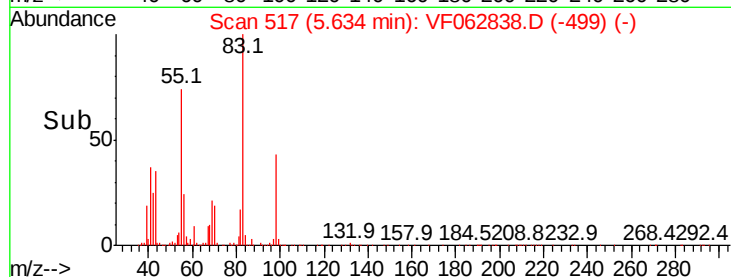
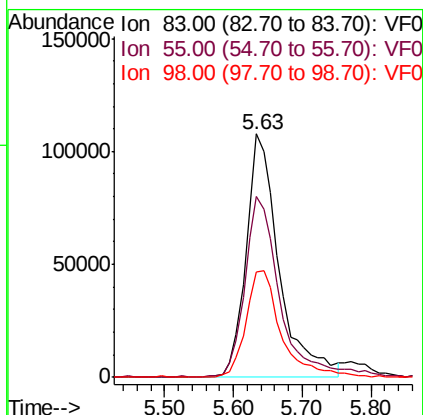
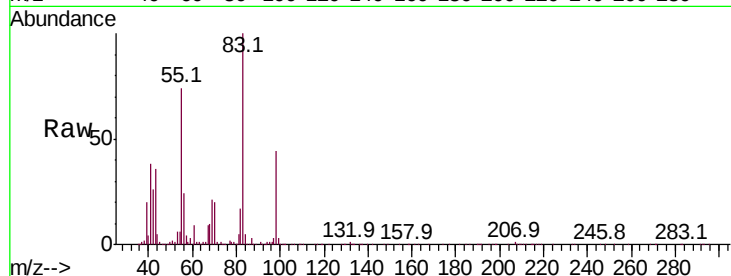
#39
Methylcyclohexane
Concen: 21.800 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

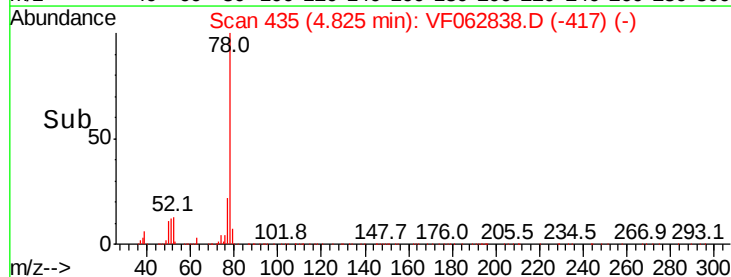
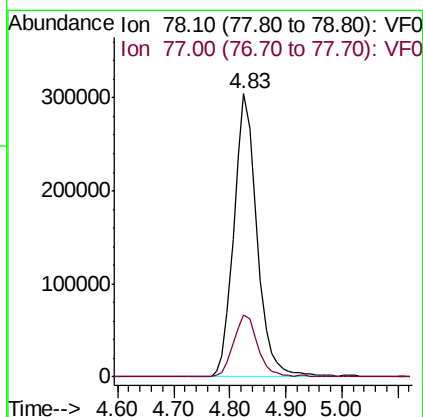
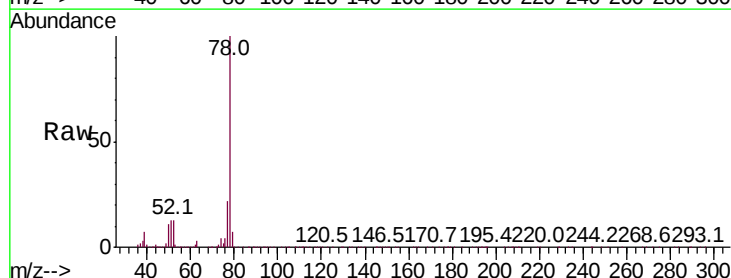
Manual Integrations
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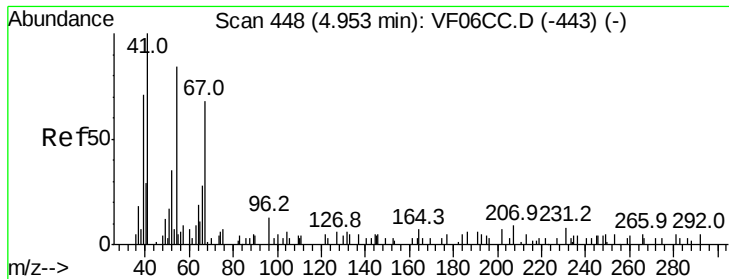
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#40
Benzene
Concen: 22.597 ug/l
RT: 4.83 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.0	18.9	28.3	





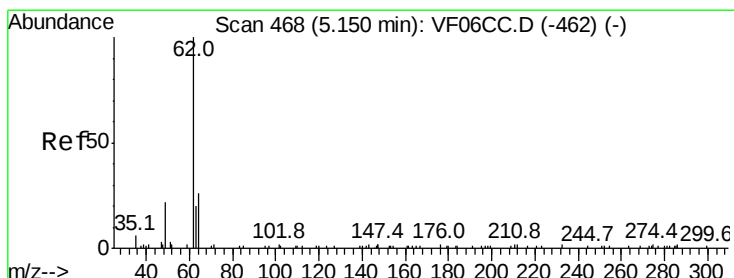
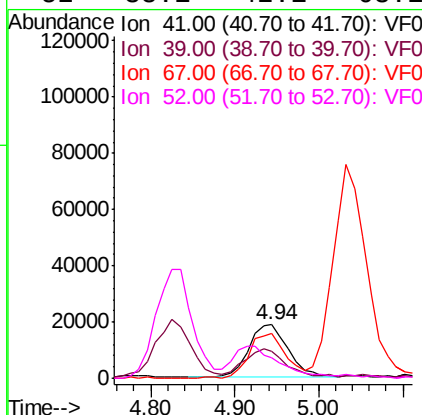
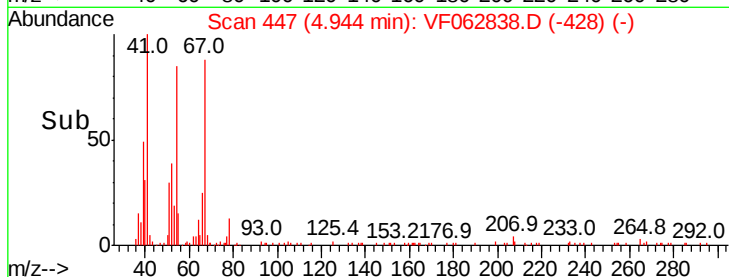
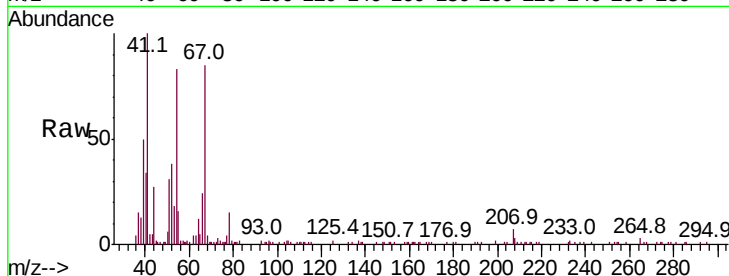
#41
Methacrylonitrile
Concen: 21.759 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

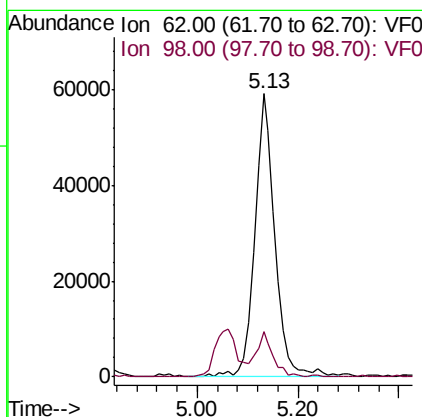
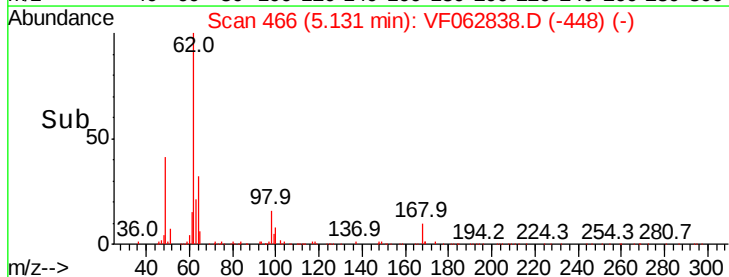
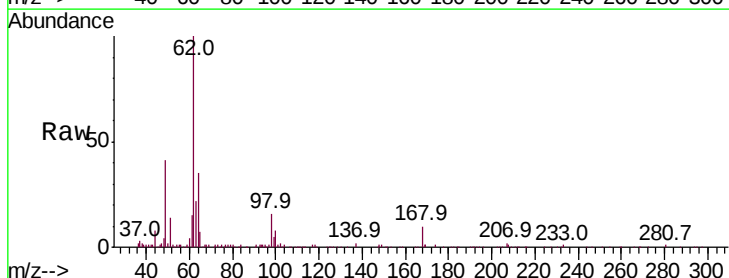
Manual Integrations
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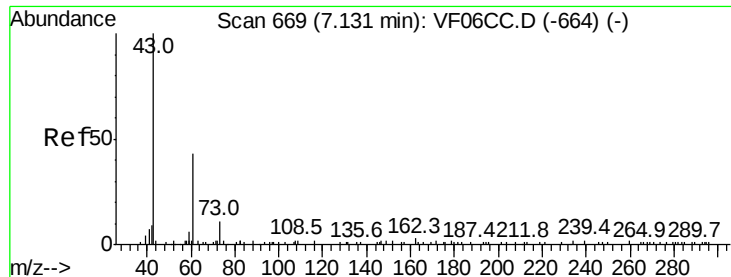
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.296 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	16.1	0.0	24.0





#43

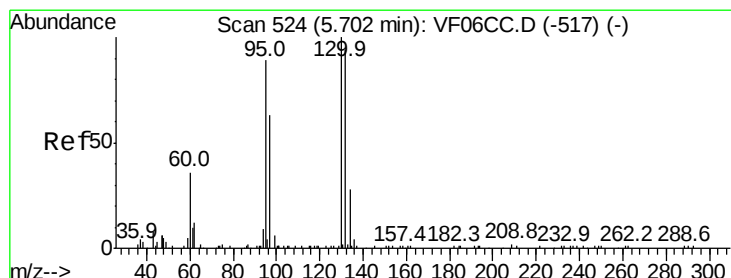
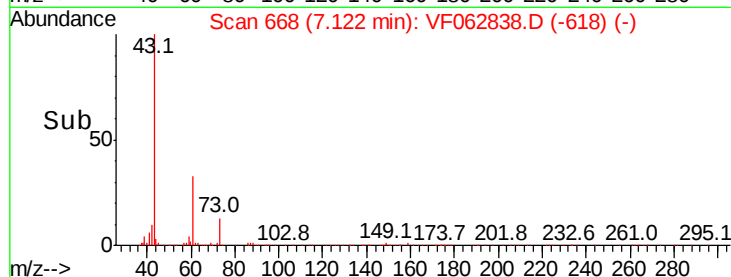
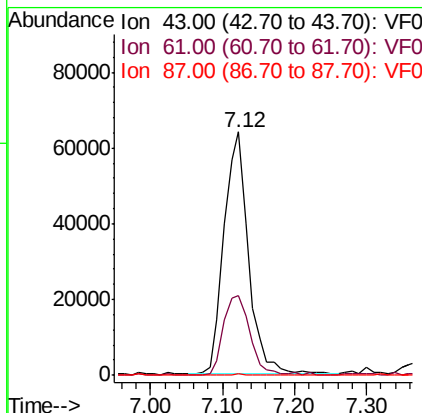
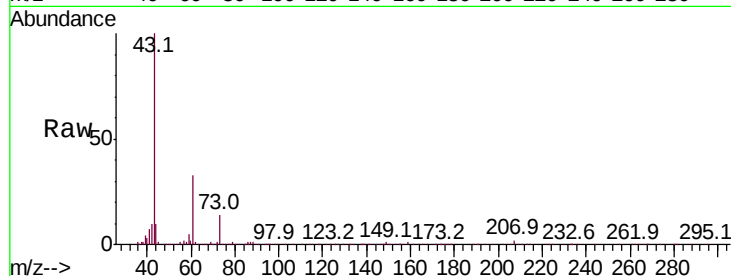
Isopropyl Acetate
 Concen: 22.558 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	29.8	44.6
87	0.8	0.3	0.5

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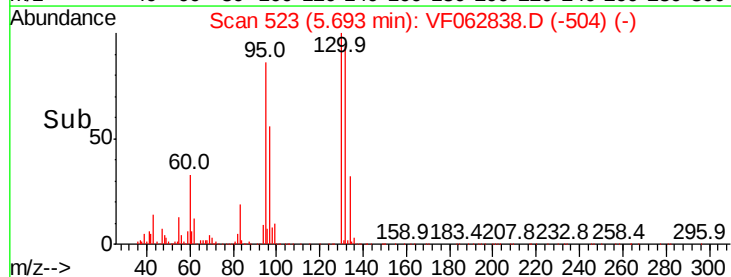
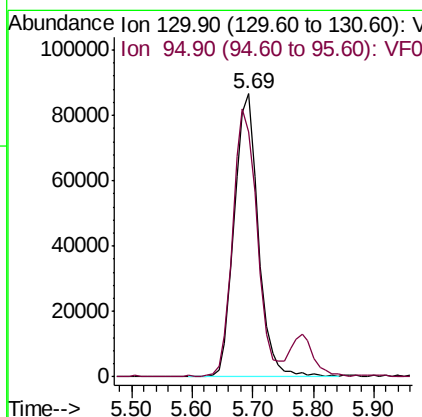
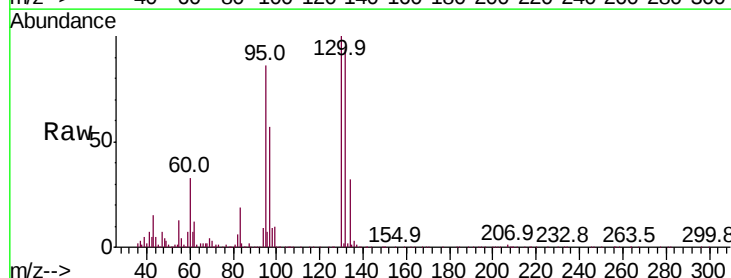
MMDadoda
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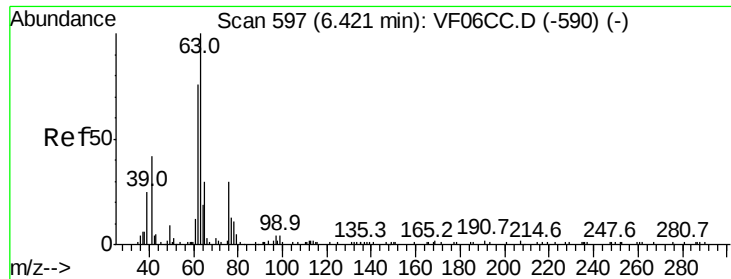


#44

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

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.489 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062838.D

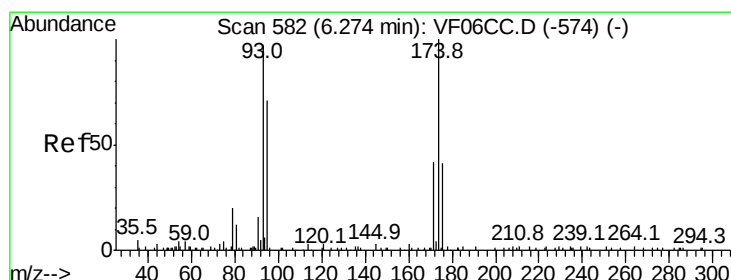
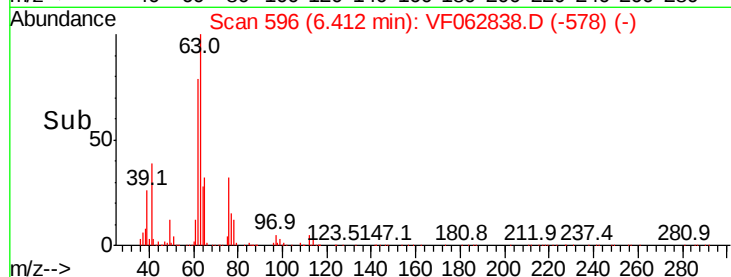
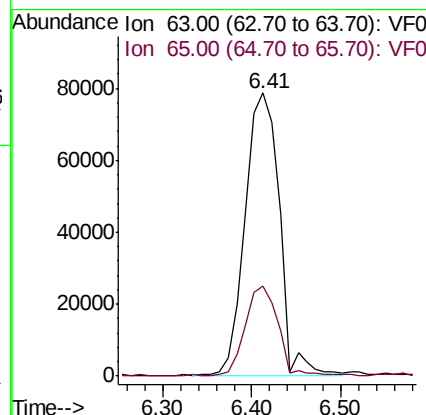
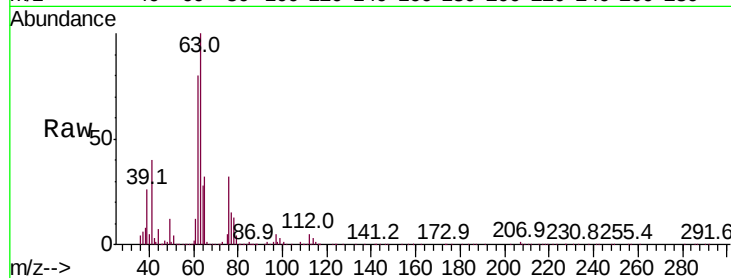
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.2

Manual Integrations
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6/6/2019 8:48:58 AM



#46

Dibromomethane

Concen: 23.258 ug/l

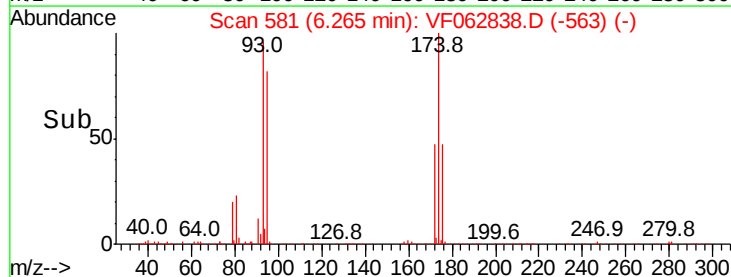
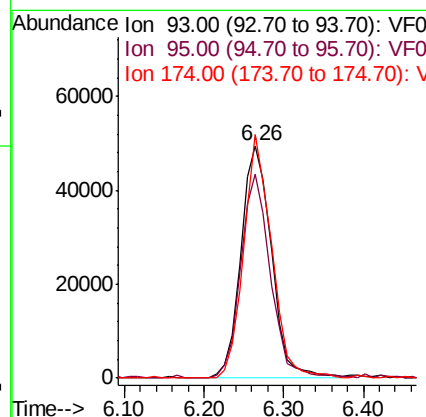
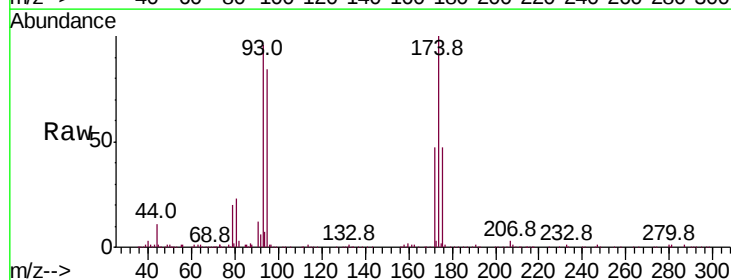
RT: 6.26 min Scan# 581

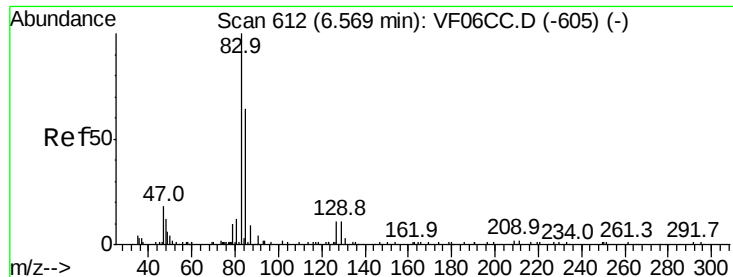
Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.5	67.9	101.9
174	106.3	85.0	127.4





#47

Bromodichloromethane

Concen: 22.601 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

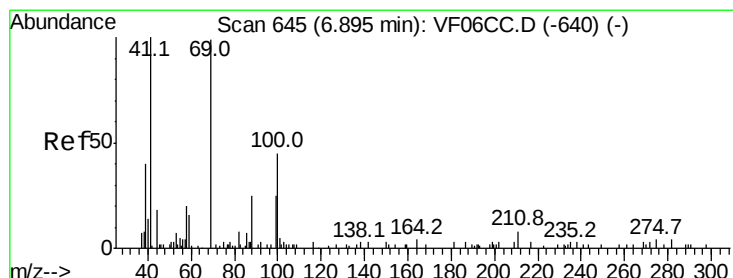
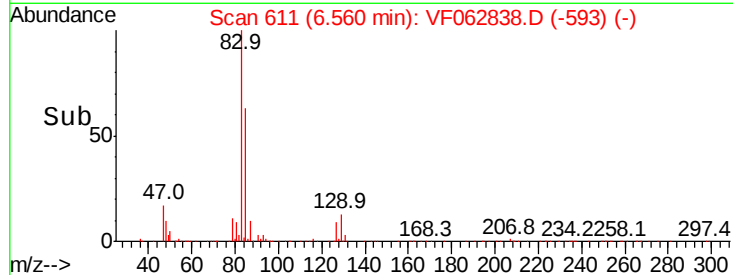
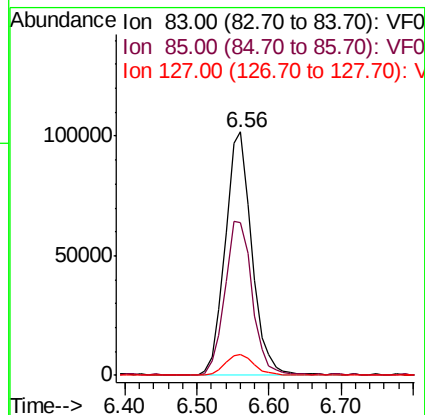
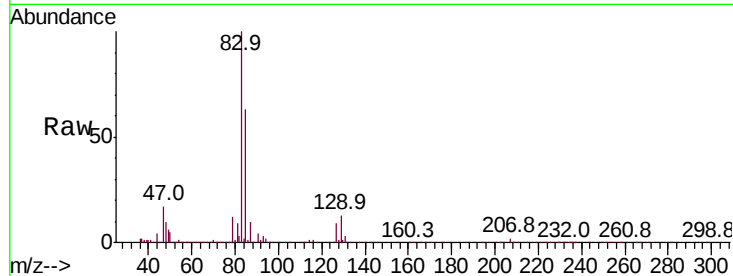
ClientSampleId :

VF0604SBS01

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

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.079 ug/l

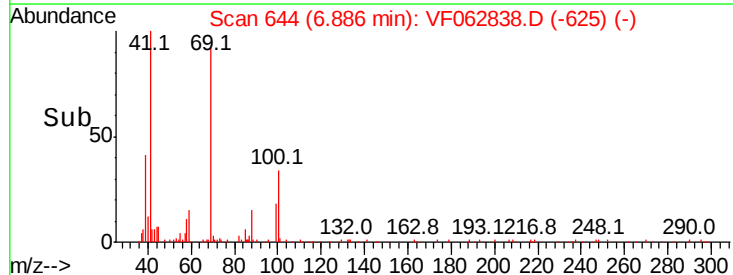
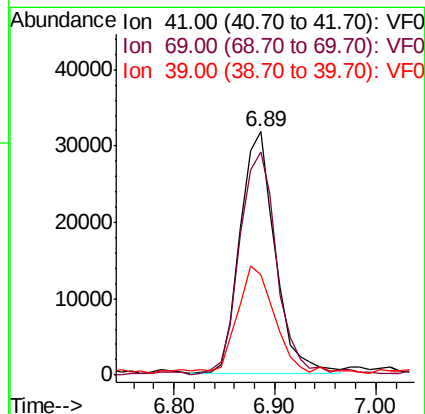
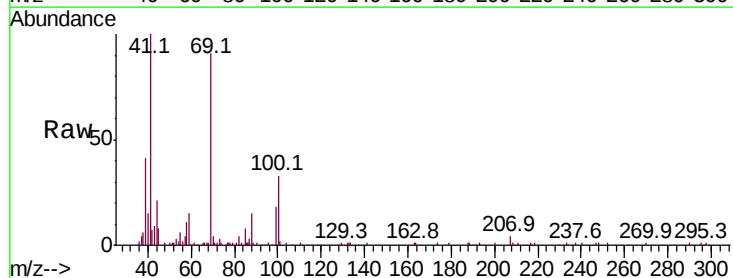
RT: 6.89 min Scan# 644

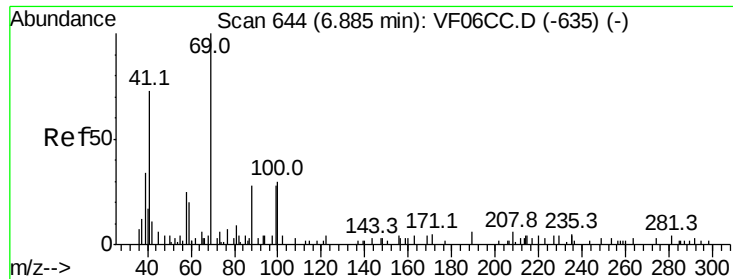
Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

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





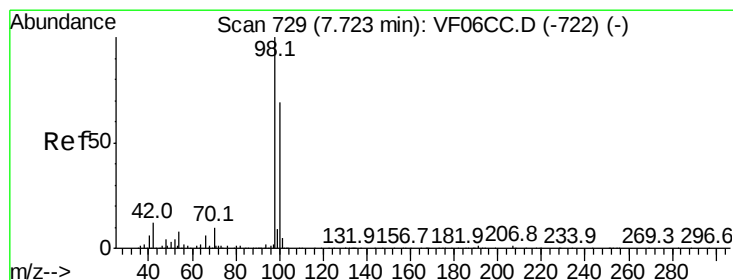
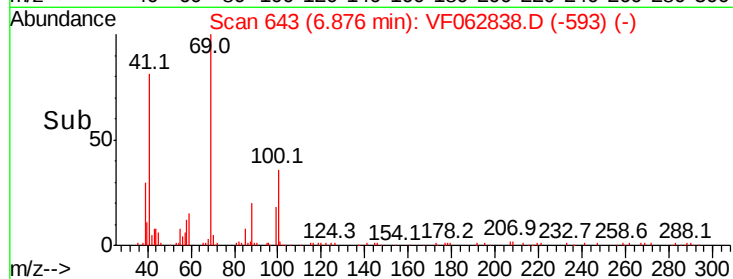
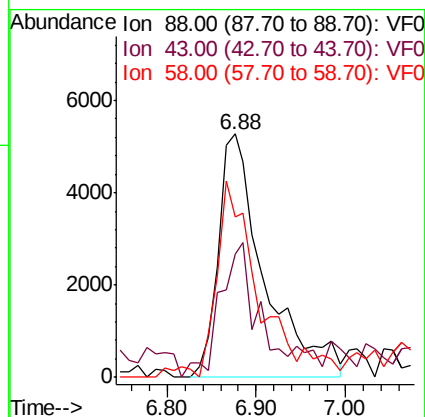
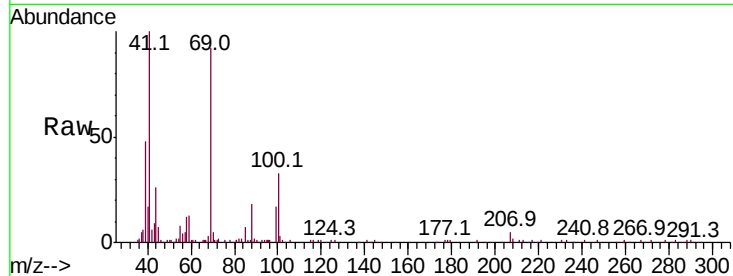
#49
1,4-Dioxane
Concen: 419.128 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

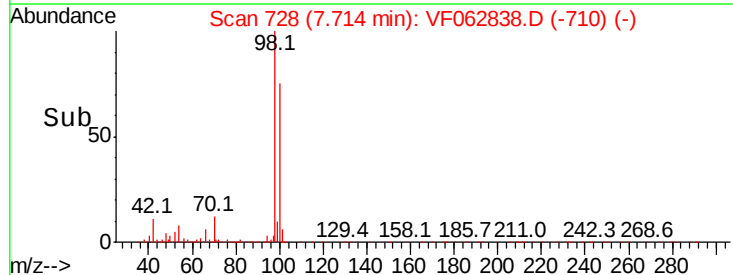
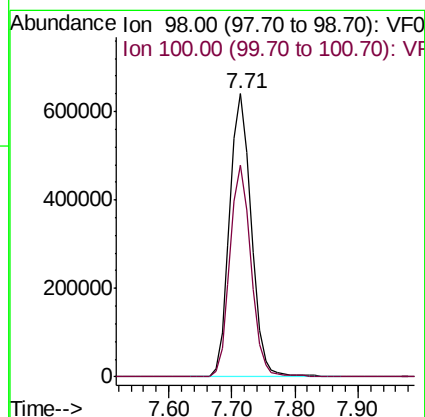
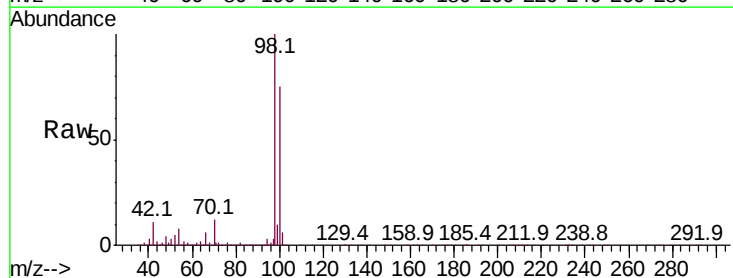
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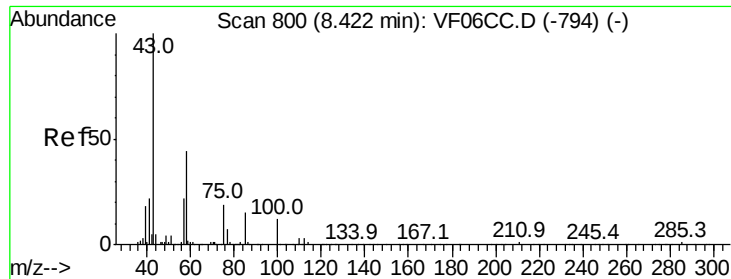
MMDadoda
6/6/2019 8:48:58 AM



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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	74.6	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 123.953 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tot Ion: 43 Resp: 593288

Ion Ratio Lower Upper

43 100

58 40.0 35.5 53.3

Instrument :

MSVOA_F

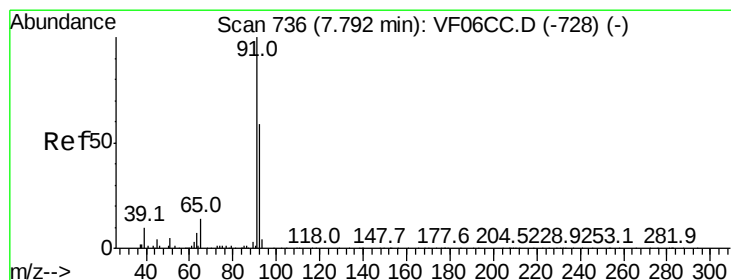
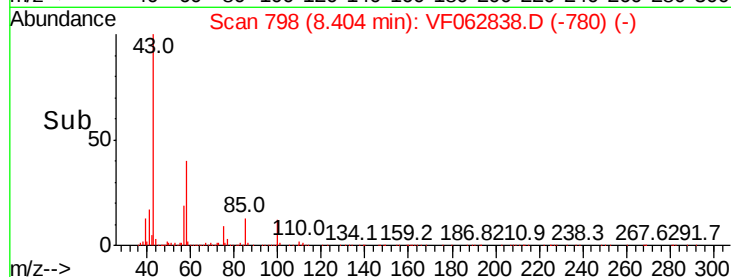
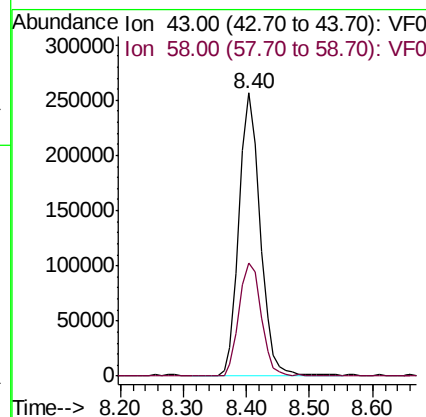
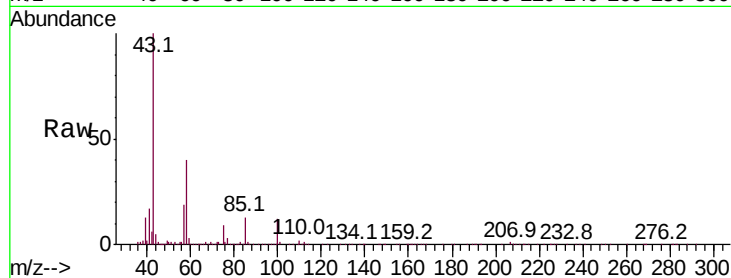
ClientSampleId :

VF0604SBS01

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#52

Toluene

Concen: 22.255 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF062838.D

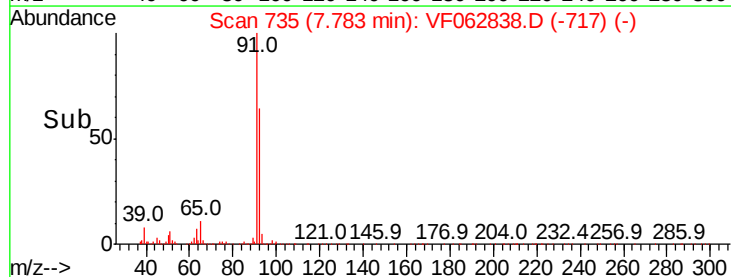
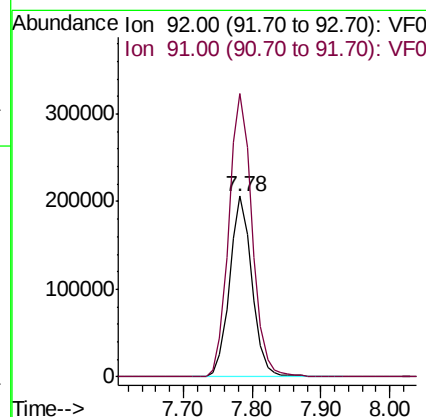
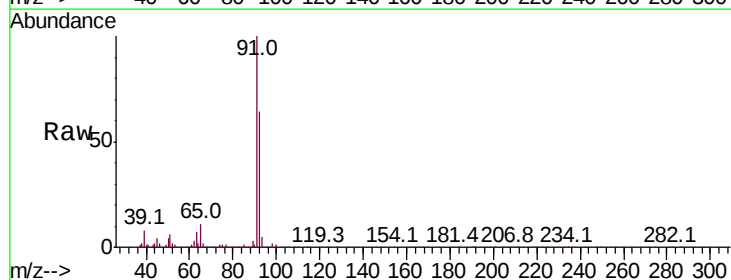
Acq: 4 Jun 2019 14:56

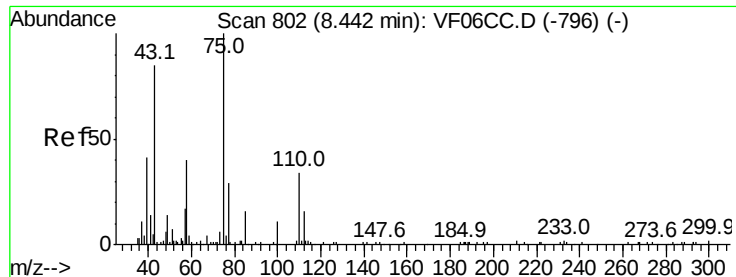
Tgt Ion: 92 Resp: 463159

Ion Ratio Lower Upper

92 100

91 156.7 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 22.678 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 75 Resp: 216657

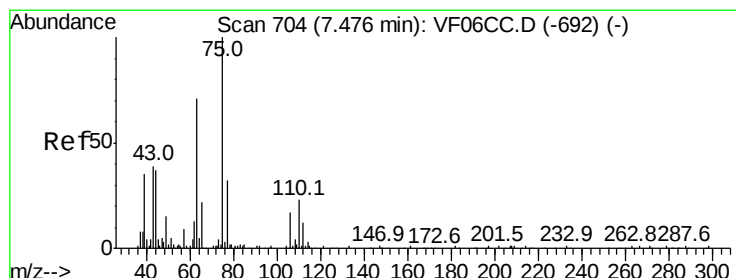
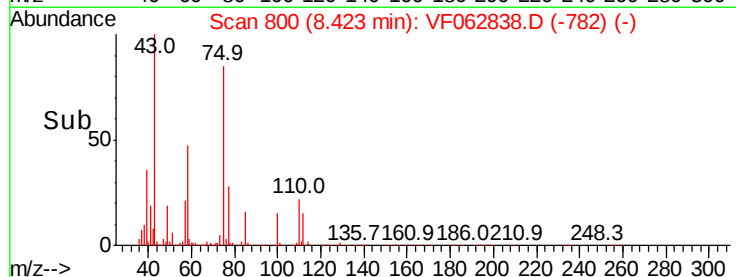
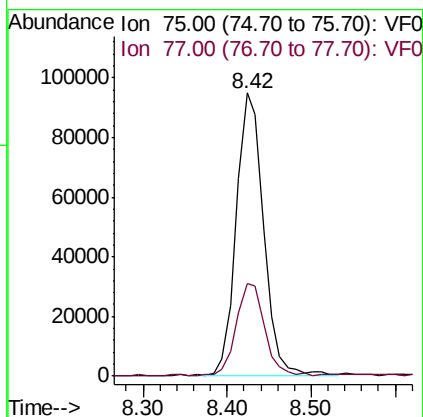
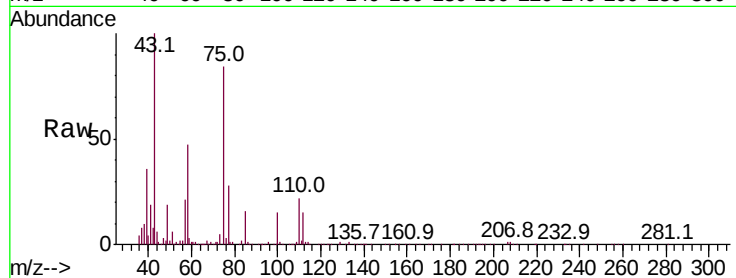
Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 22.523 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

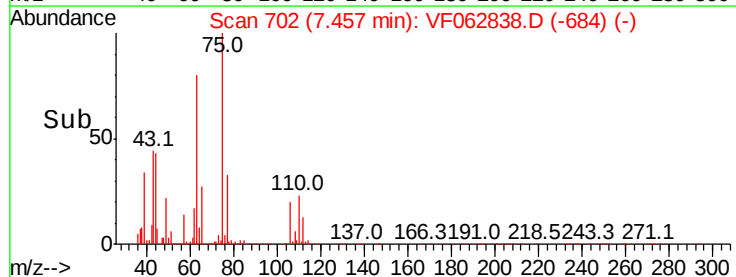
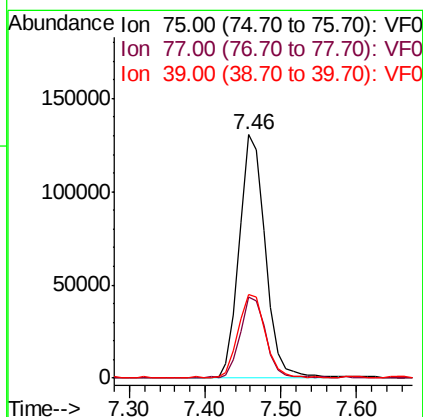
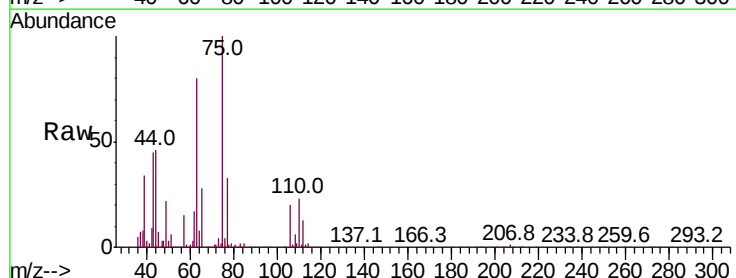
Tgt Ion: 75 Resp: 311474

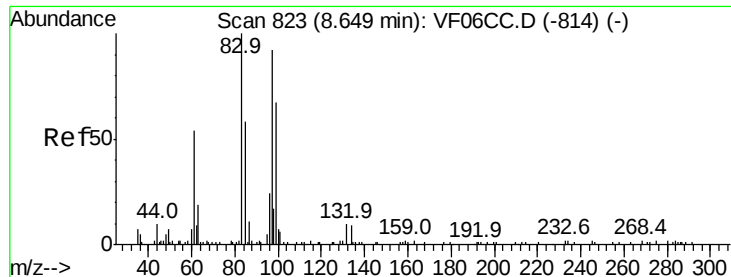
Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

39 34.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.471 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 97 Resp: 139713

Ion Ratio Lower Upper

97 100

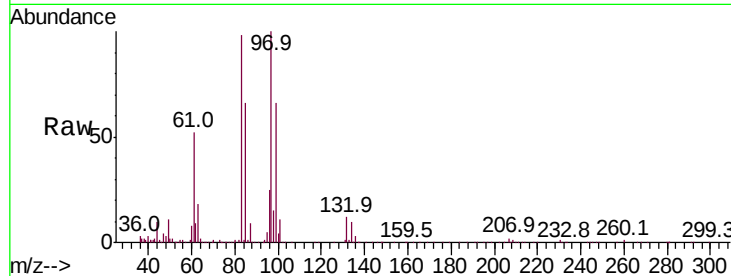
83 97.6 72.0 108.0

85 66.0 47.5 71.3

99 66.0 54.1 81.1

Manual Integrations
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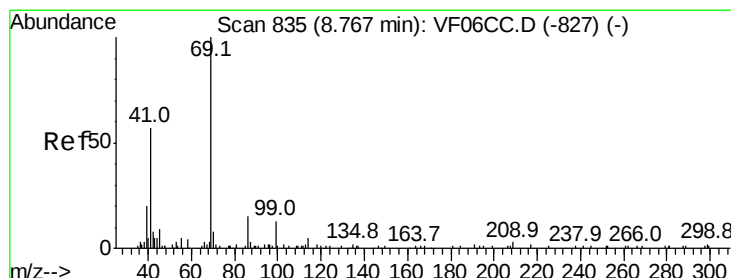
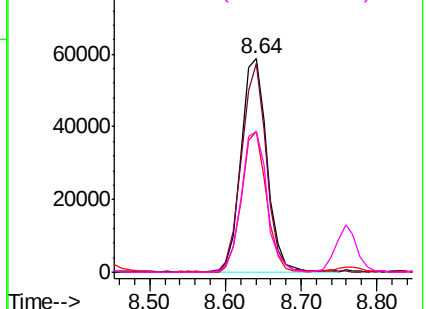
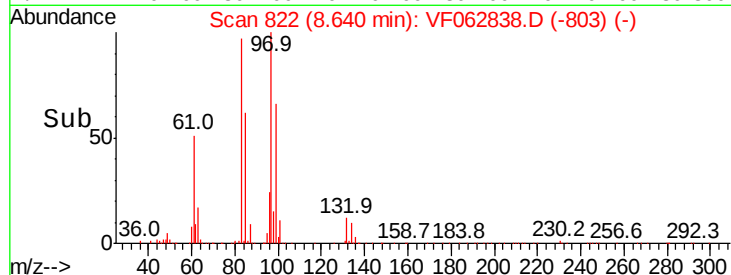


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 23.818 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

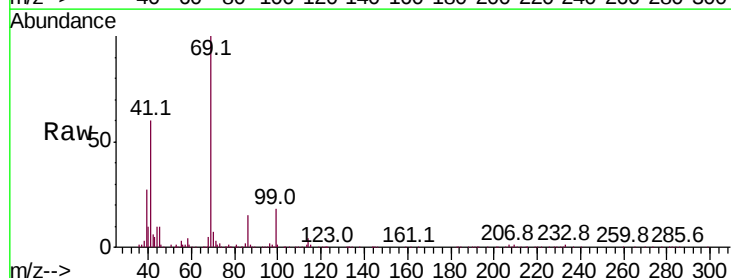
Tgt Ion: 69 Resp: 158888

Ion Ratio Lower Upper

69 100

41 59.8 46.6 69.8

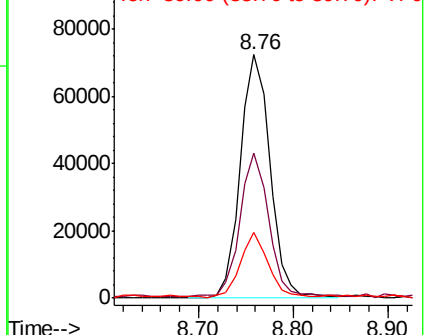
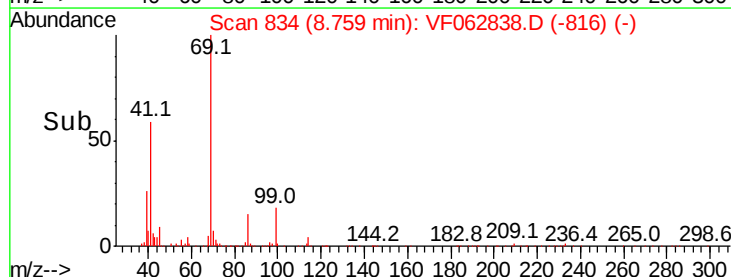
39 27.2 19.6 29.4

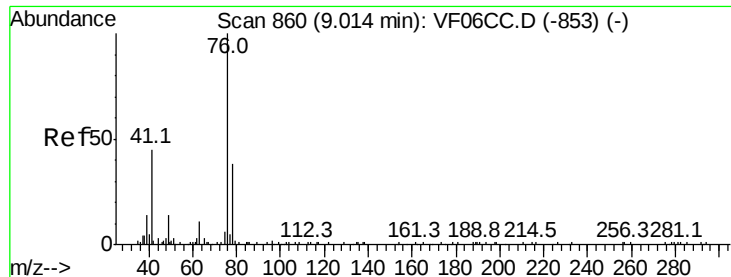


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.390 ug/l

RT: 9.00 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

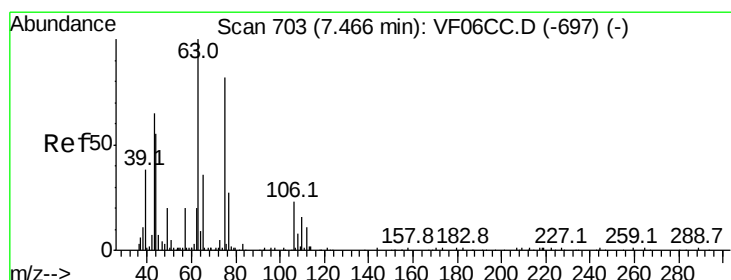
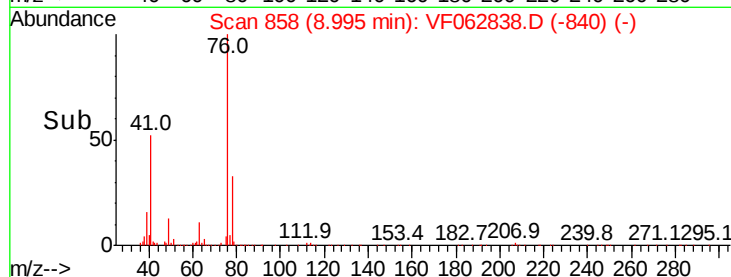
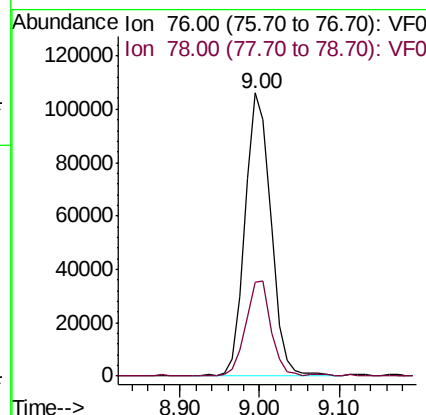
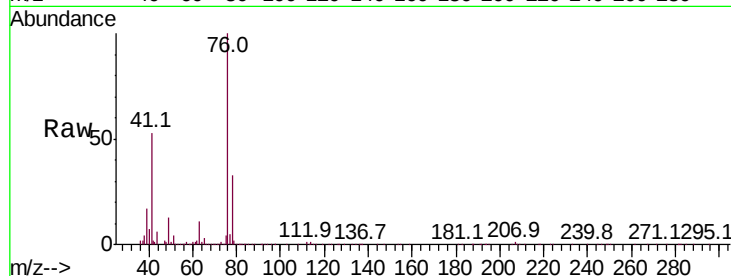
Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 76 Resp: 237478

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 102.853 ug/l

RT: 7.46 min Scan# 702

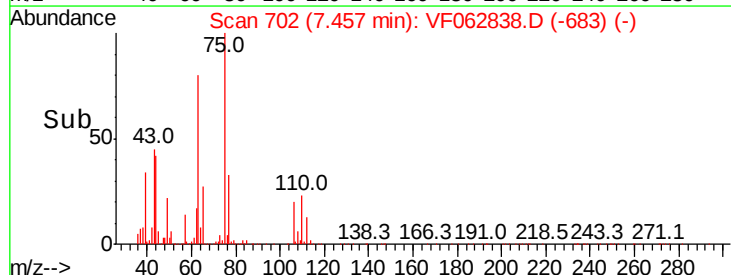
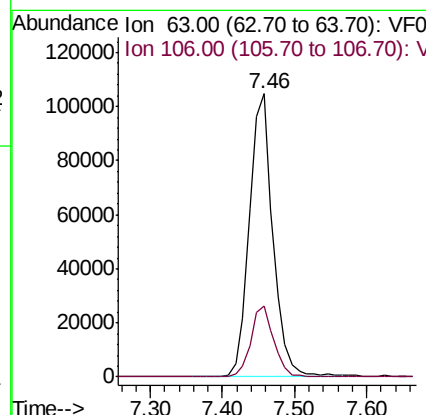
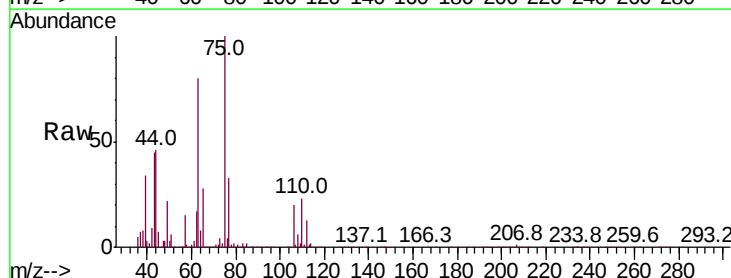
Delta R.T. -0.01 min

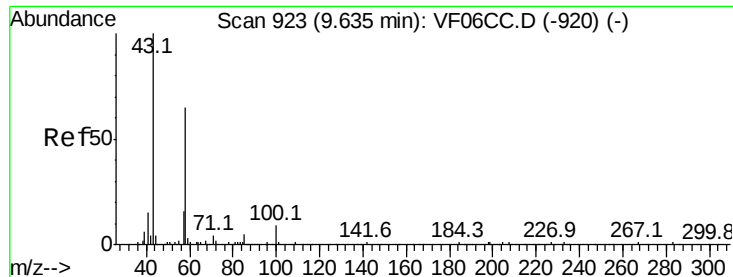
Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion: 63 Resp: 239797

Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.5	29.3





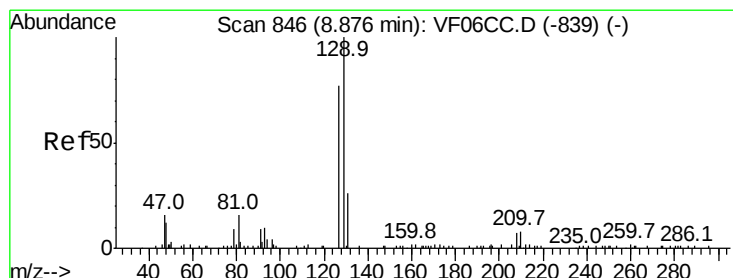
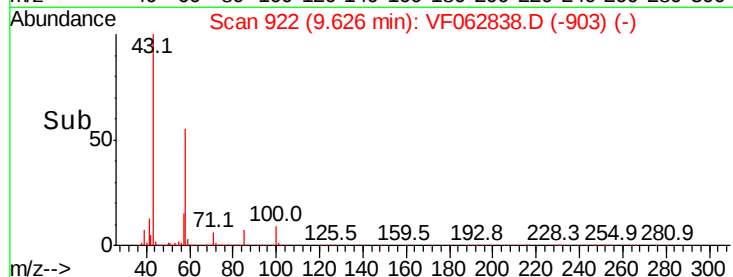
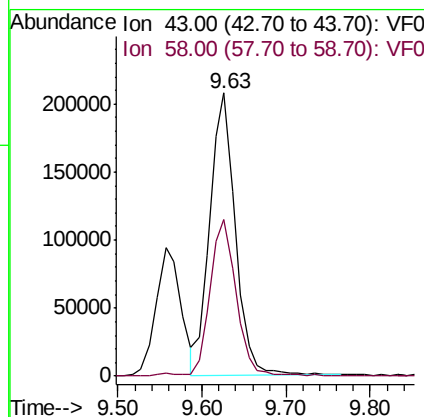
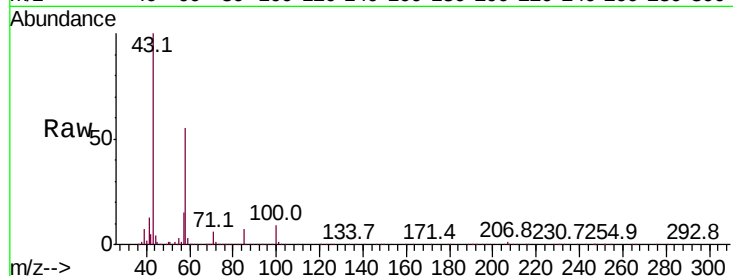
#59
2-Hexanone
Concen: 127.738 ug/l
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

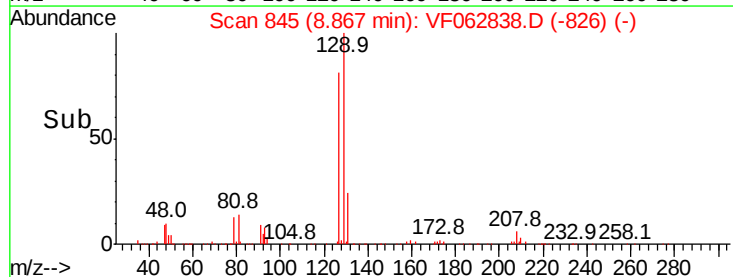
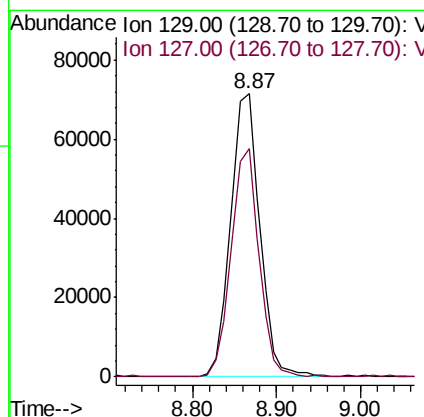
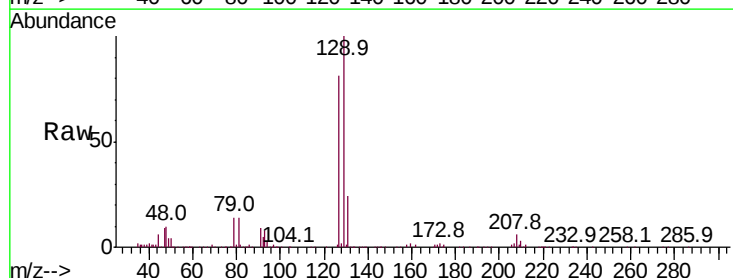
Manual Integrations
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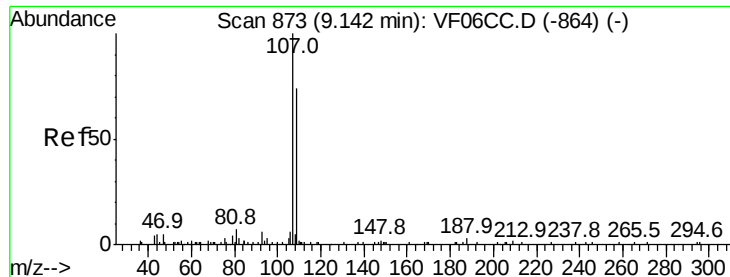
MMDadoda
6/6/2019 8:48:58 AM



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

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





#61

1,2-Dibromoethane

Concen: 24.227 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion:107 Resp: 156434

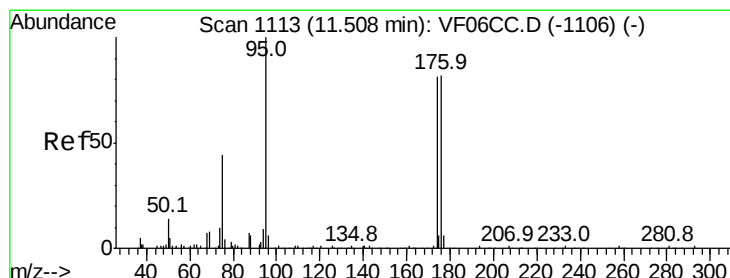
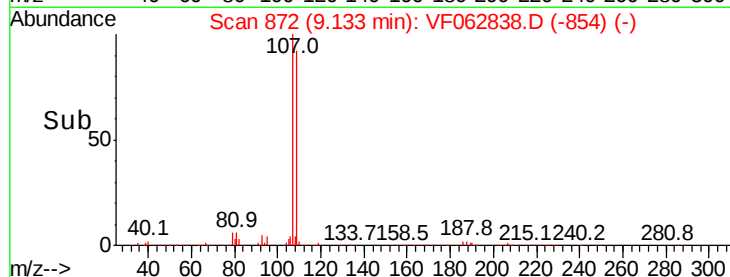
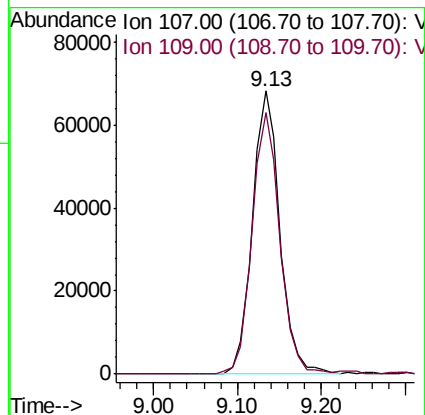
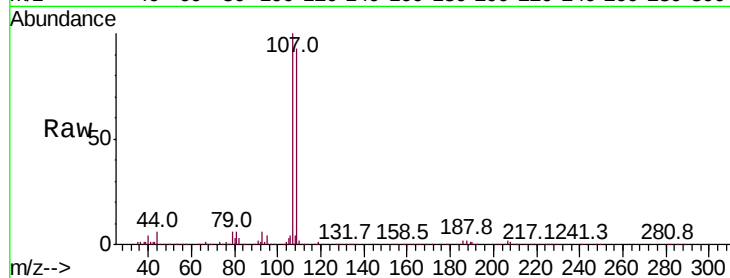
Ion Ratio Lower Upper

107 100

109 92.6 78.1 117.1

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#62

4-Bromofluorobenzene

Concen: 54.658 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

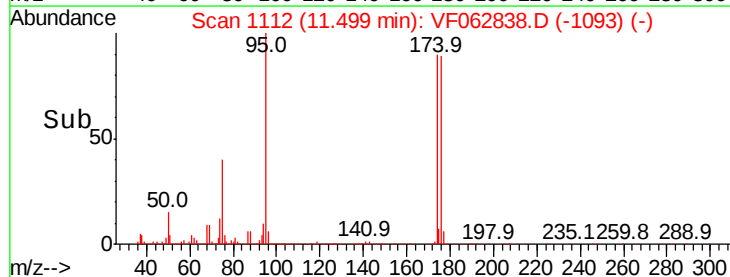
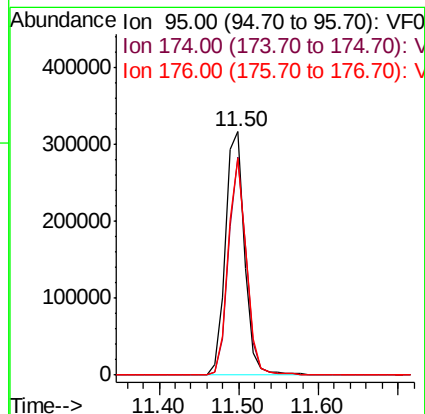
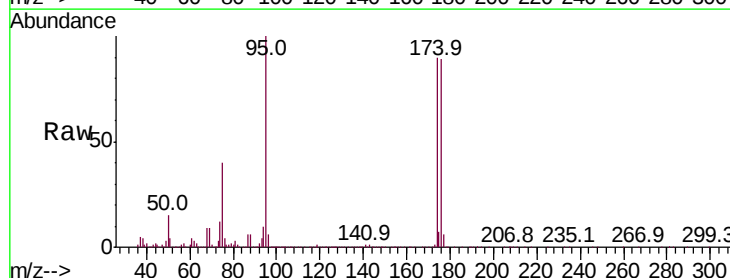
Tgt Ion: 95 Resp: 541810

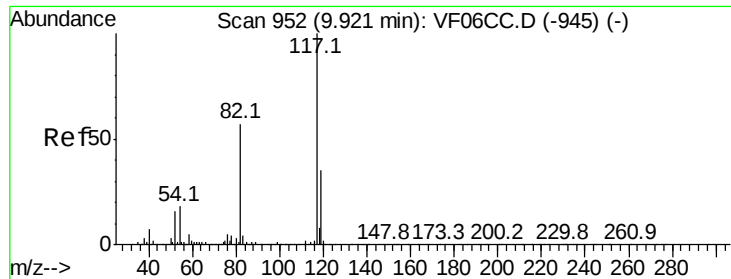
Ion Ratio Lower Upper

95 100

174 89.6 0.0 170.6

176 89.2 0.0 170.6





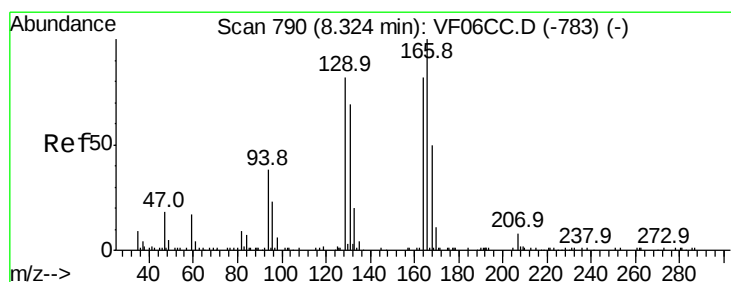
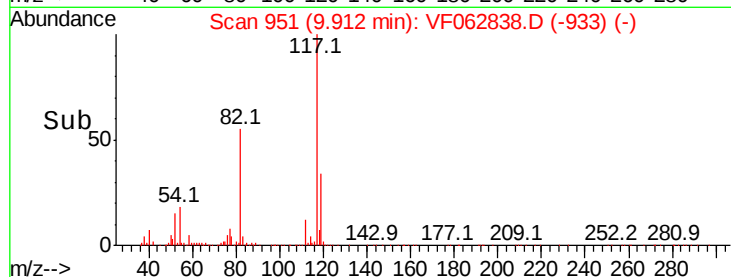
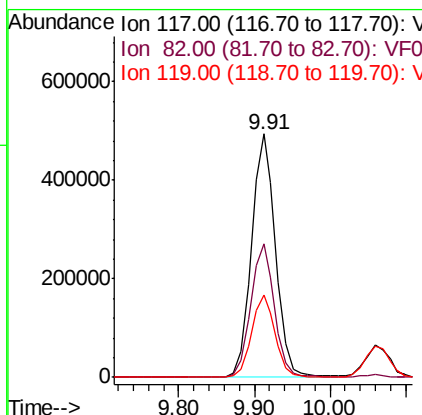
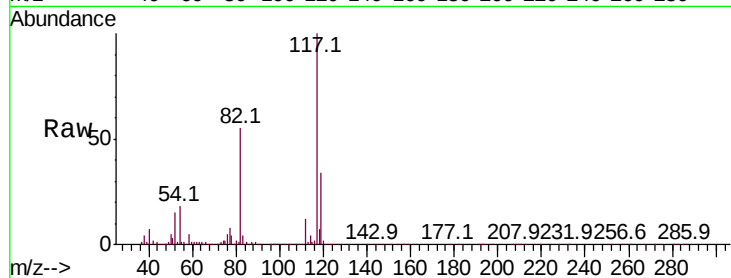
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.4	63.6
119	34.0	27.1	40.7

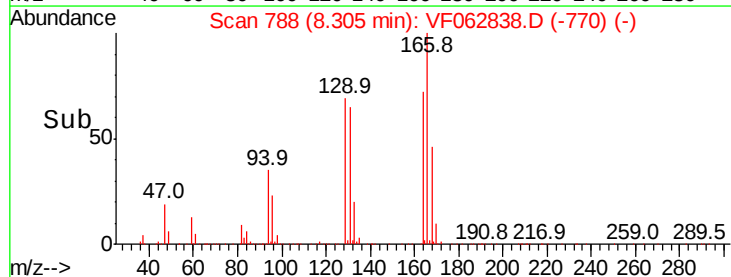
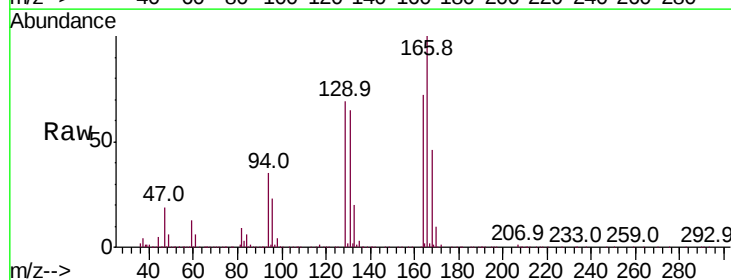
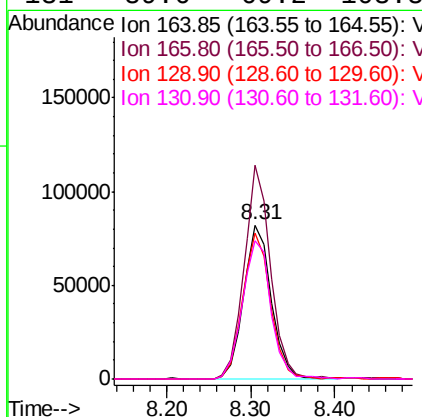
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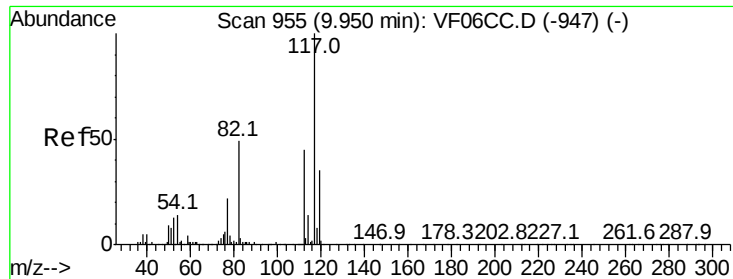
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#64
Tetrachloroethene
Concen: 22.419 ug/l
RT: 8.31 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.8	99.1	148.7
129	95.2	69.5	104.3
131	89.6	69.2	103.8





#65

Chlorobenzene

Concen: 22.009 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion:112 Resp: 464275

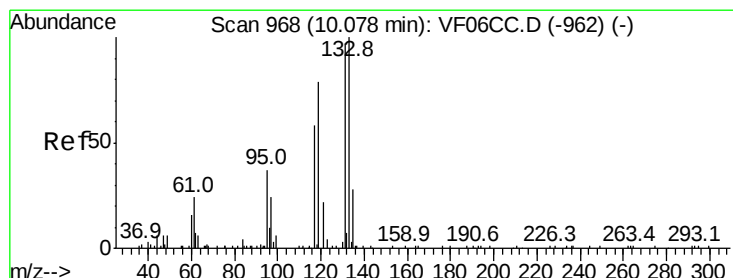
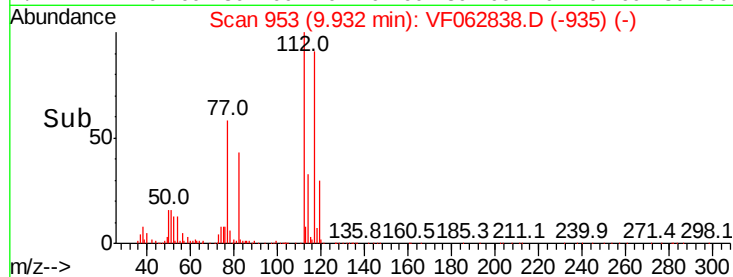
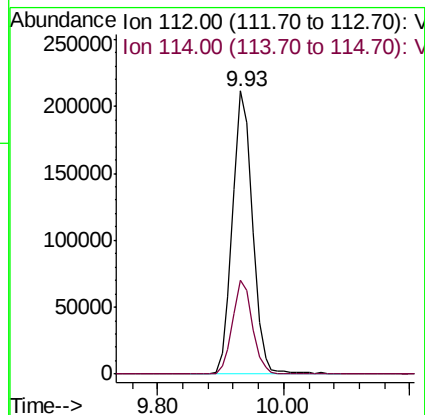
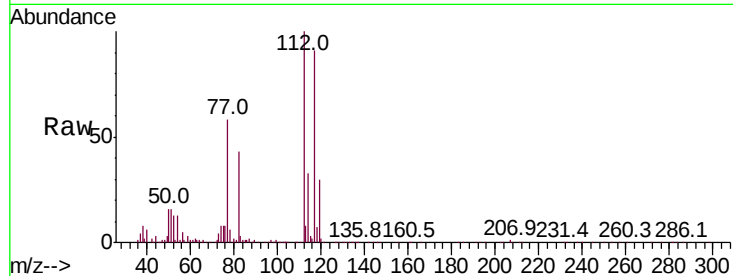
Ion Ratio Lower Upper

112 100

114 33.1 27.4 41.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.574 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

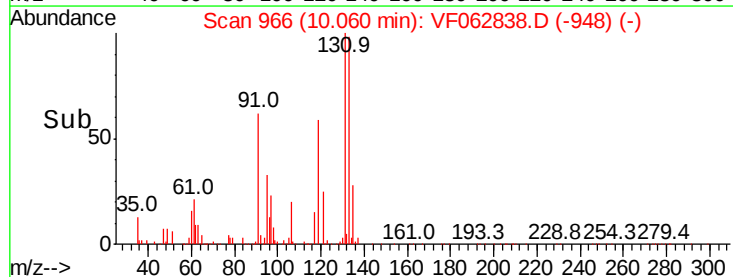
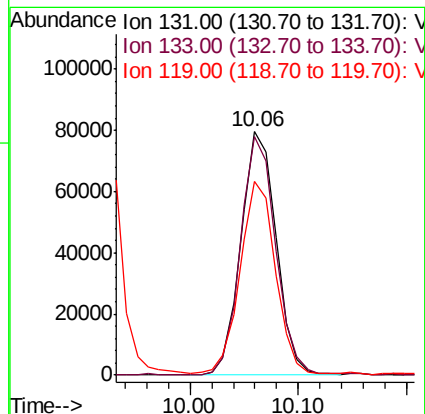
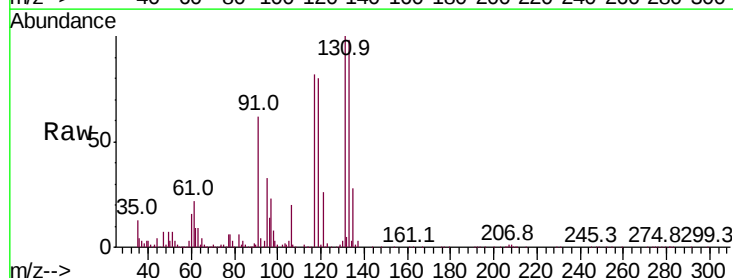
Tgt Ion:131 Resp: 181251

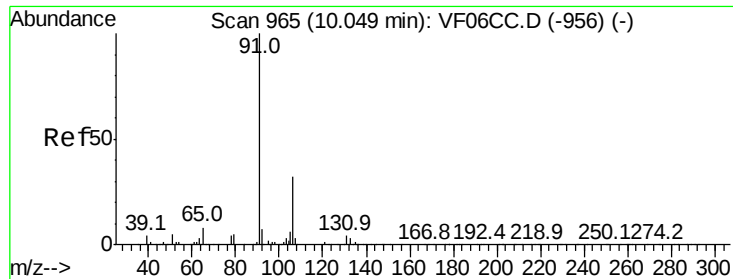
Ion Ratio Lower Upper

131 100

133 97.8 48.9 146.7

119 79.7 38.0 114.0





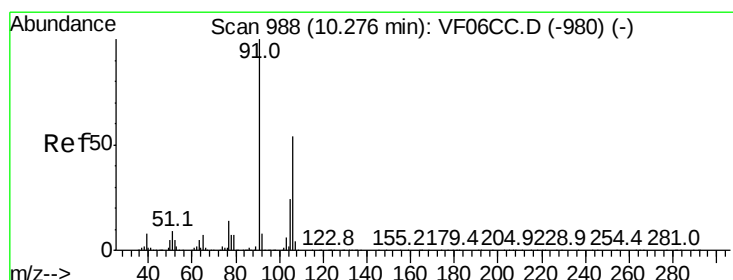
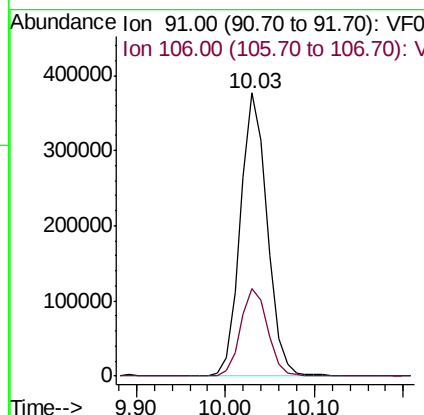
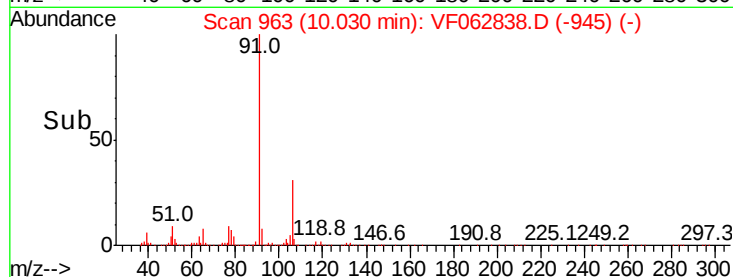
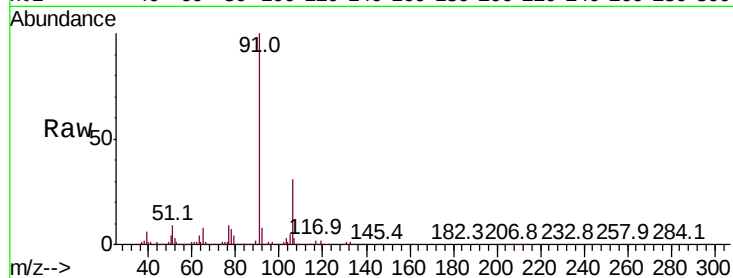
#67
Ethyl Benzene
Concen: 21.815 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion: 91 Resp: 789689
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0

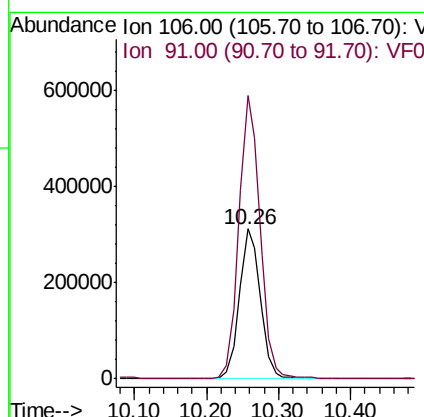
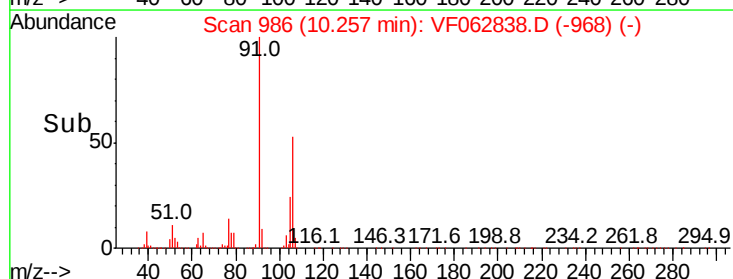
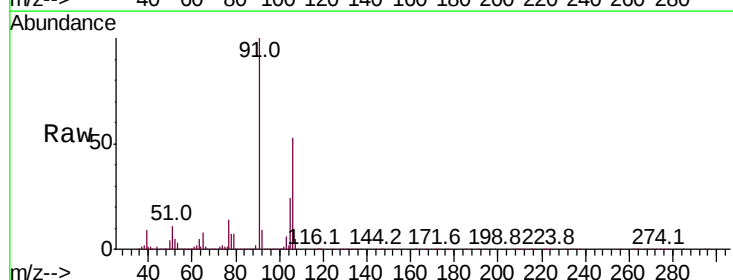
Manual Integrations
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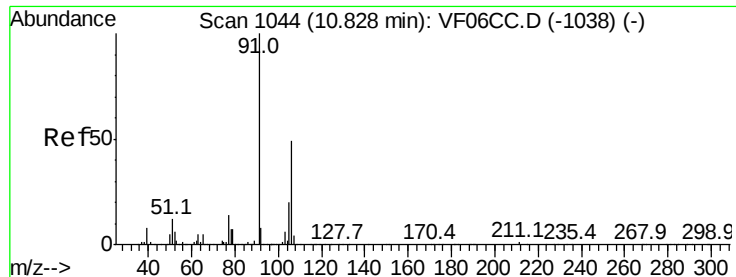
MMDadoda
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#68
m/p-Xylenes
Concen: 46.157 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion: 106 Resp: 639382
Ion Ratio Lower Upper
106 100
91 188.8 136.2 204.4





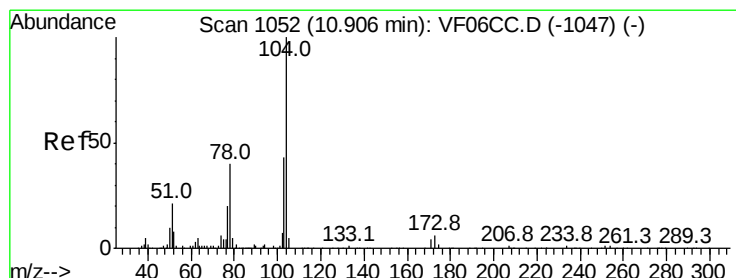
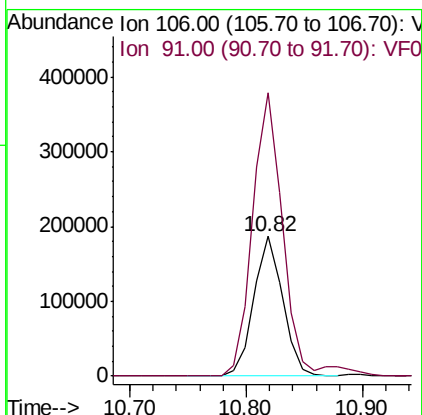
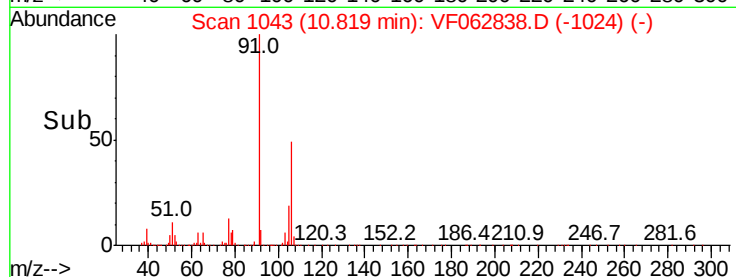
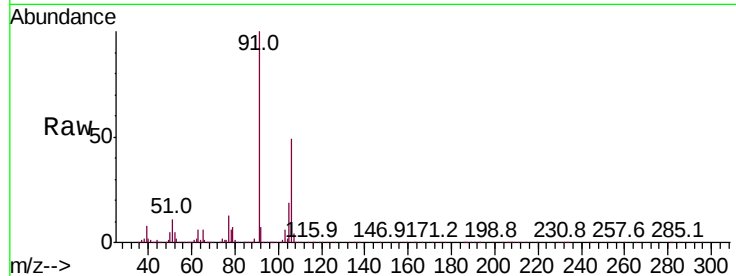
#69
o-Xylene
Concen: 23.171 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.2	96.6	289.8

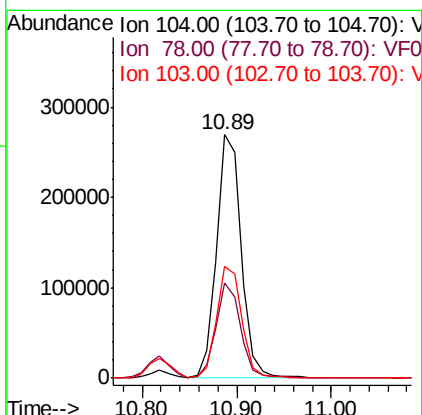
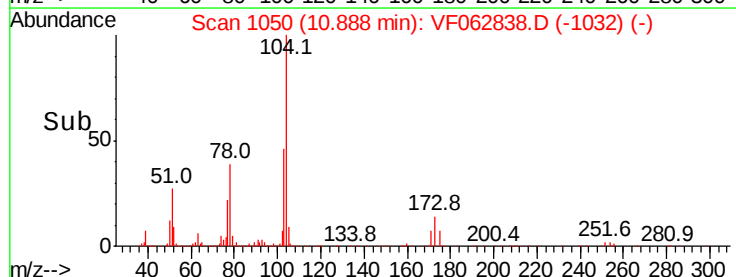
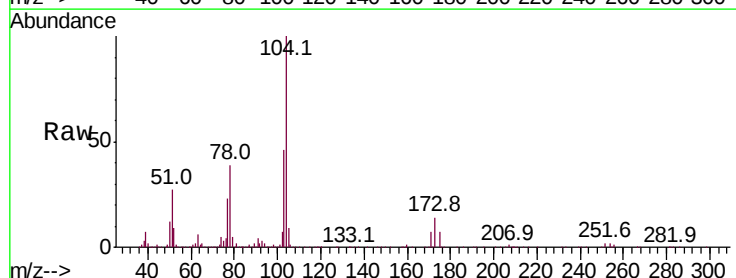
Manual Integrations
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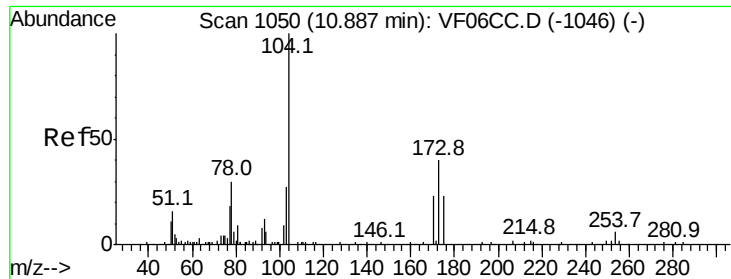
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#70
Styrene
Concen: 23.436 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

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





#71

Bromoform

Concen: 23.014 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

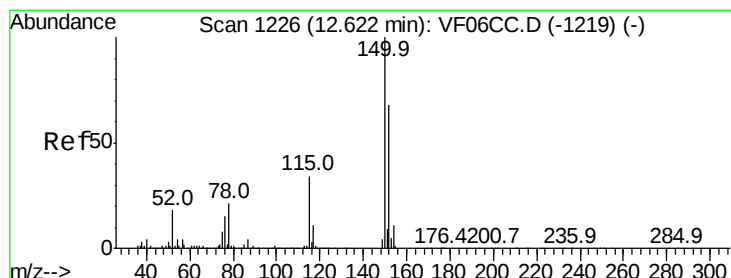
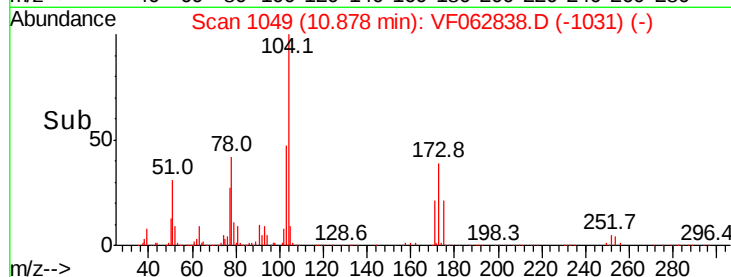
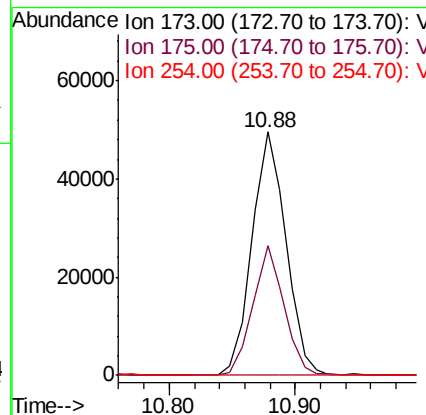
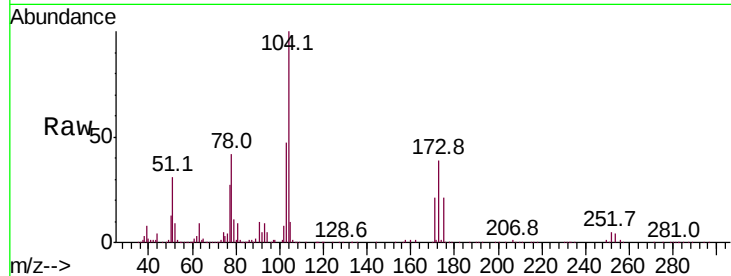
ClientSampleId :

VF0604SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.5	24.6	74.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

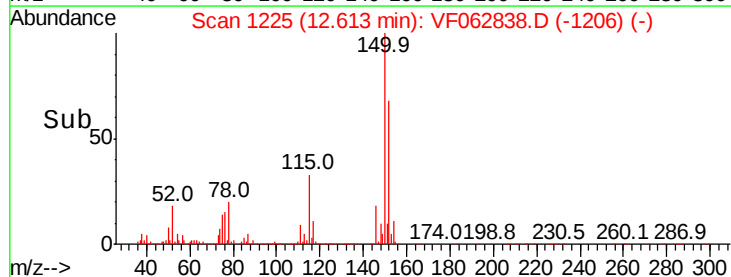
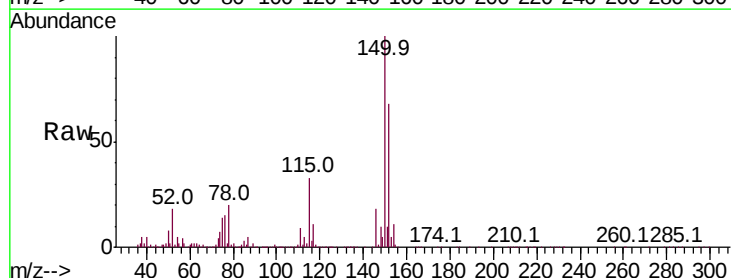
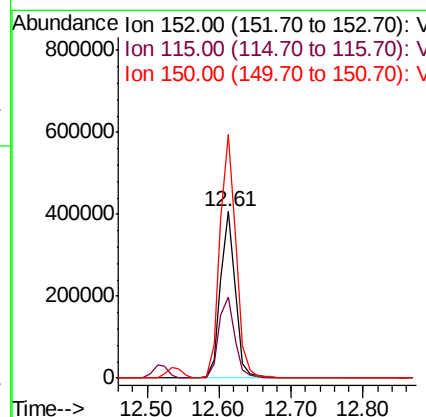
RT: 12.61 min Scan# 1225

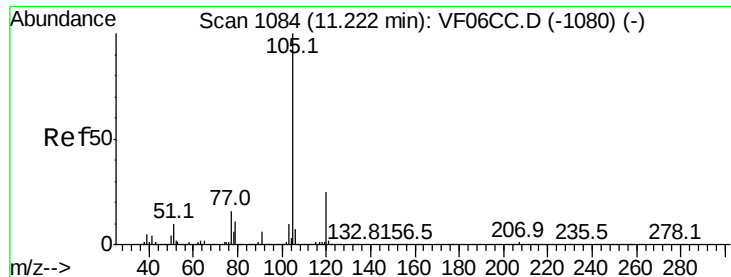
Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.4	24.6	74.0
150	146.1	0.0	290.6





#73

Isopropylbenzene

Concen: 21.172 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 105 Resp: 842456

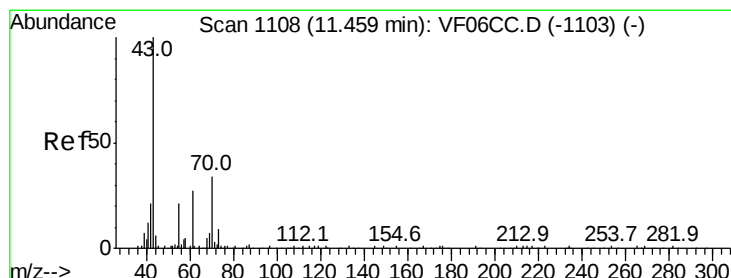
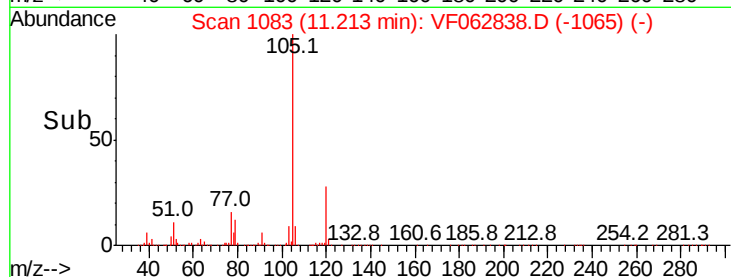
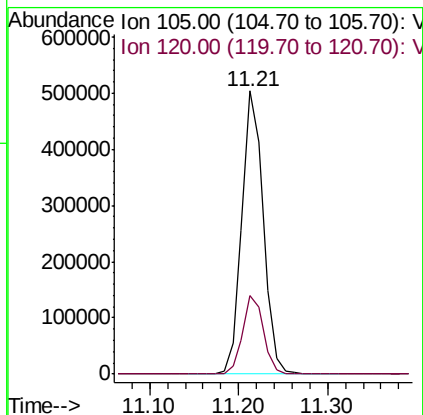
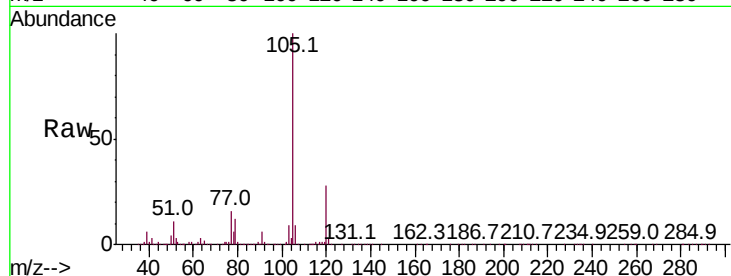
Ion Ratio Lower Upper

105 100

120 27.9 15.1 45.3

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#74

N-ethyl acetate

Concen: 22.101 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion: 43 Resp: 247859

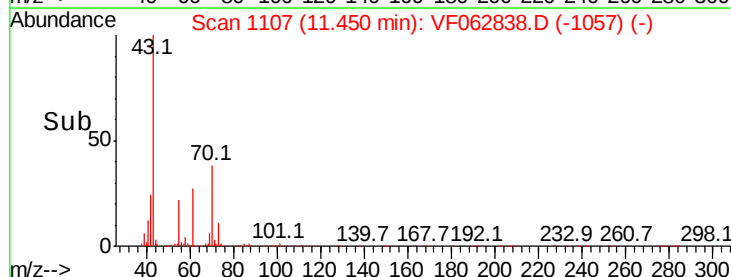
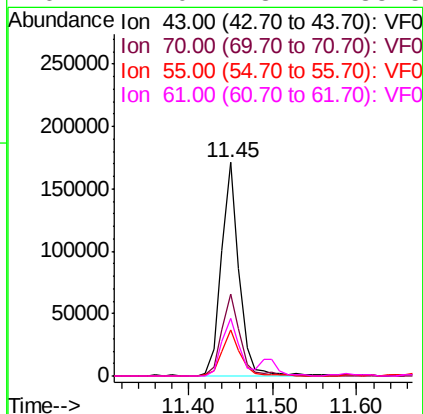
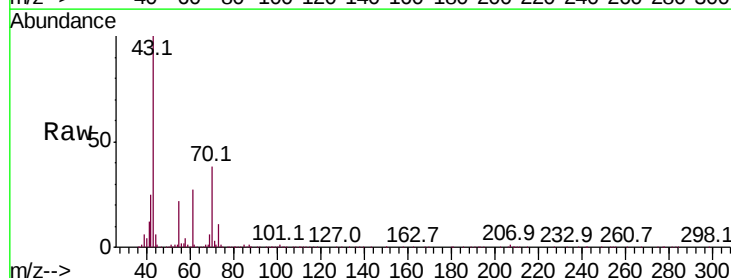
Ion Ratio Lower Upper

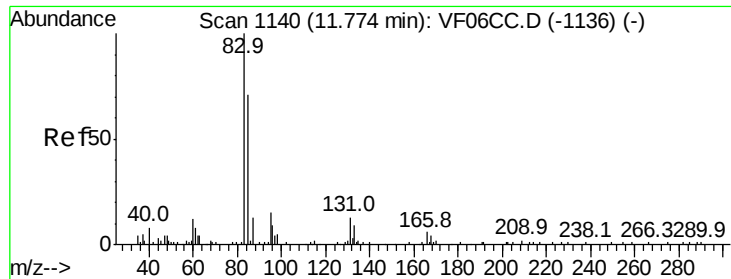
43 100

70 38.4 32.9 49.3

55 21.8 17.3 25.9

61 27.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.758 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

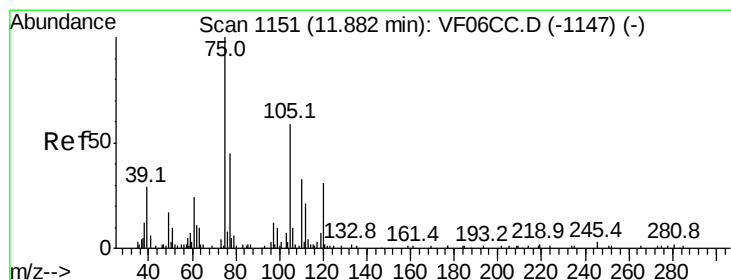
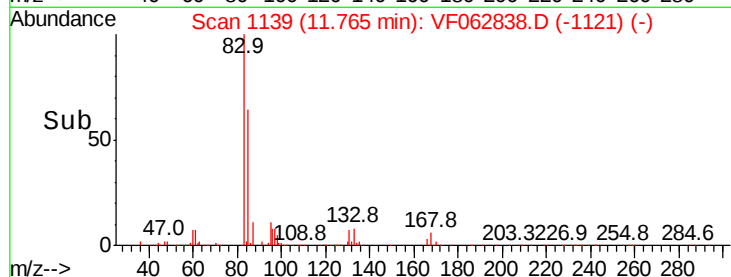
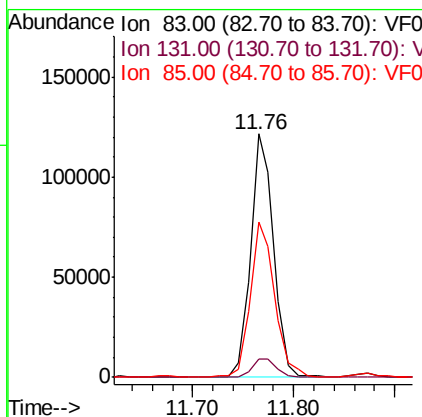
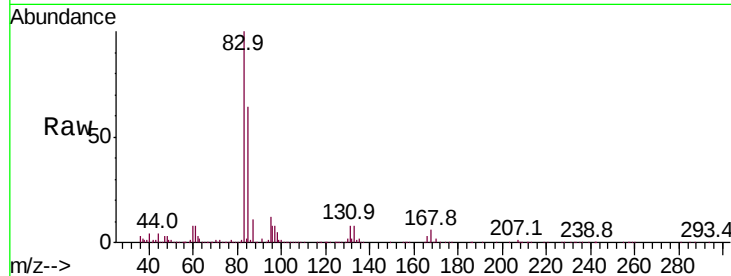
ClientSampleId :

VF0604SBS01

Tot Ion:	83	Resp:	193384
Ion Ratio	Lower	Upper	
83	100		
131	7.7	4.9	14.7
85	63.8	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.798 ug/l

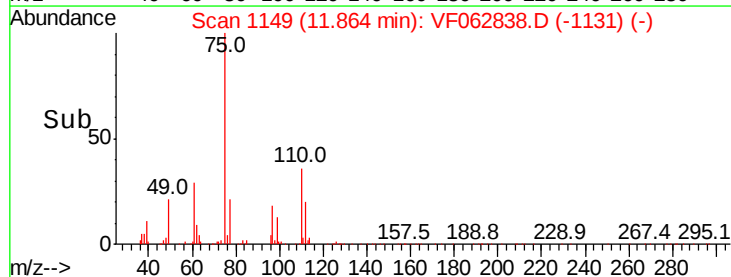
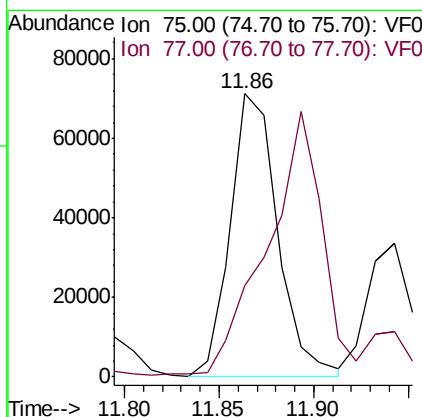
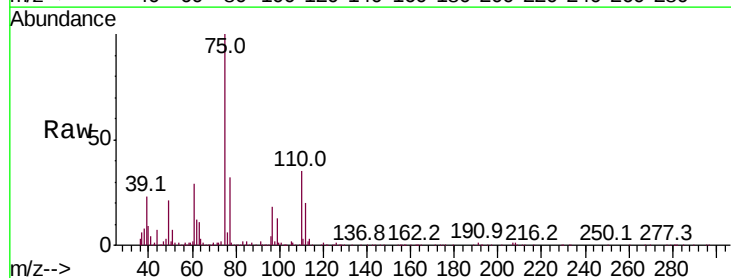
RT: 11.86 min Scan# 1149

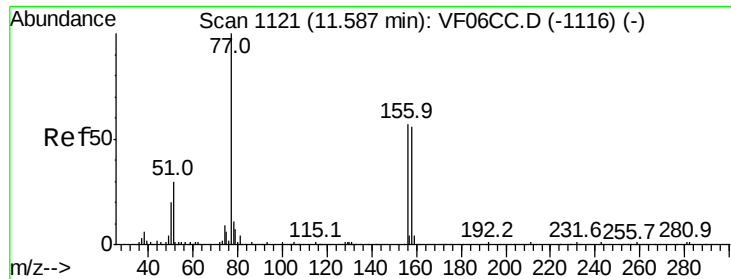
Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion:	75	Resp:	122781
Ion Ratio	Lower	Upper	
75	100		
77	32.5	20.1	60.2





#77

Bromobenzene

Concen: 21.175 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

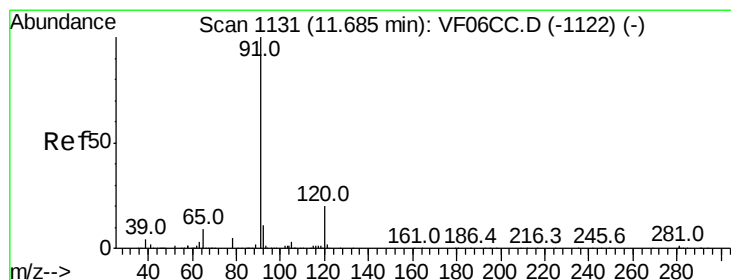
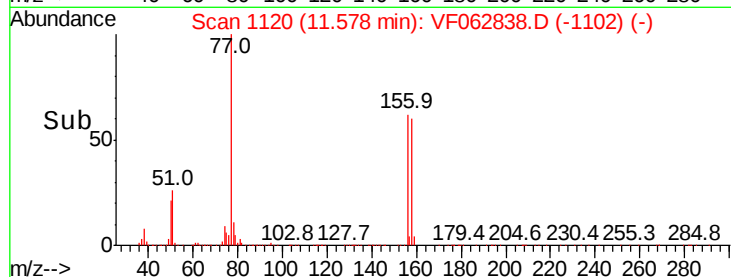
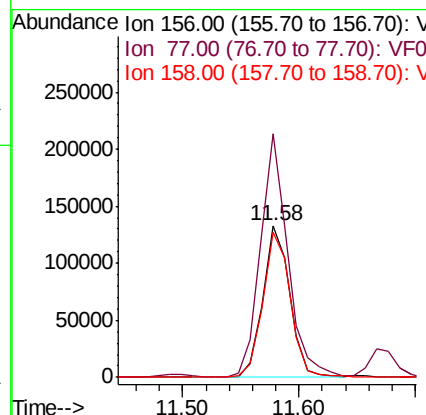
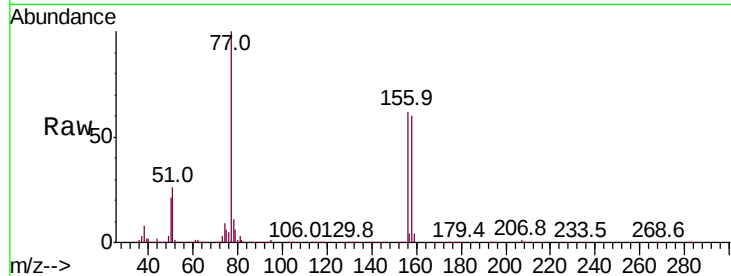
ClientSampleId :

VF0604SBS01

Tot Ion:	156	Resp:	211706
Ion Ratio	Lower	Upper	
156	100		
77	160.7	64.2	192.6
158	96.2	50.3	151.0

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#78

n-propylbenzene

Concen: 21.640 ug/l

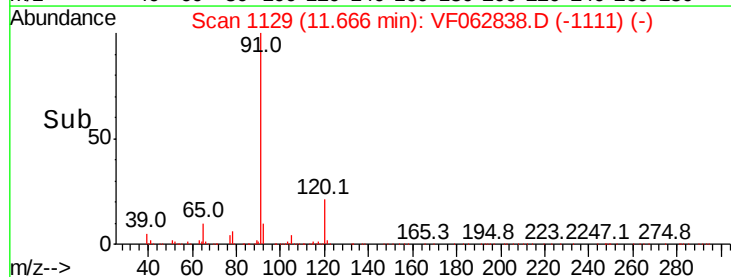
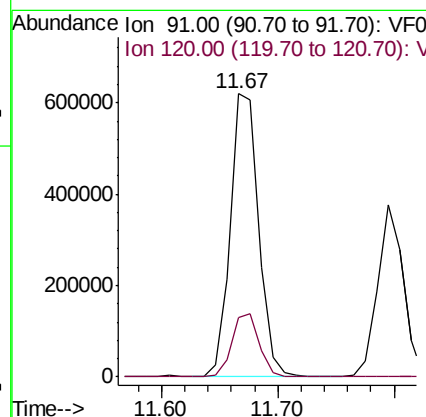
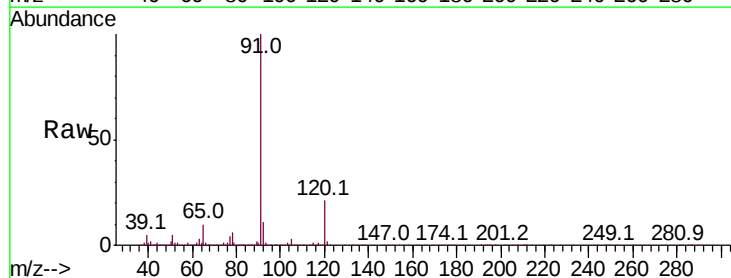
RT: 11.67 min Scan# 1129

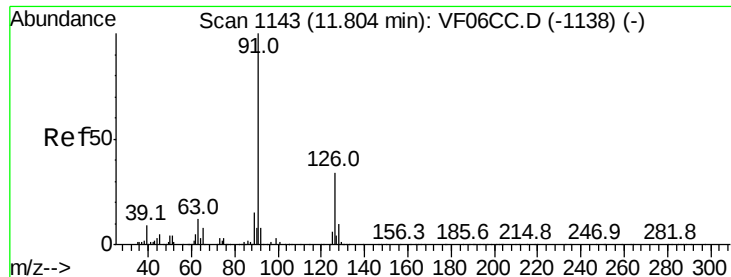
Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Tgt Ion:	91	Resp:	1039686
Ion Ratio	Lower	Upper	
91	100		
120	20.8	12.8	38.4





#79

2-Chlorotoluene

Concen: 20.797 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion: 91 Resp: 571729

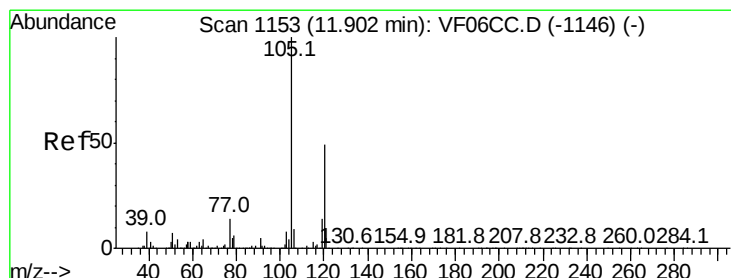
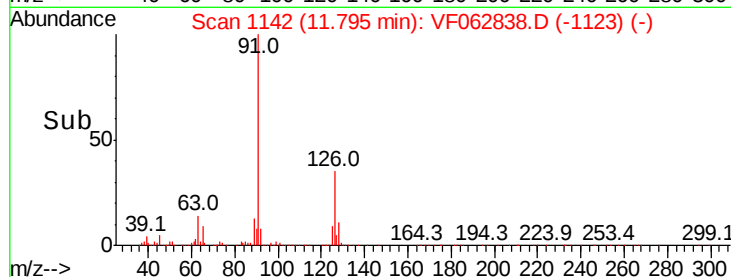
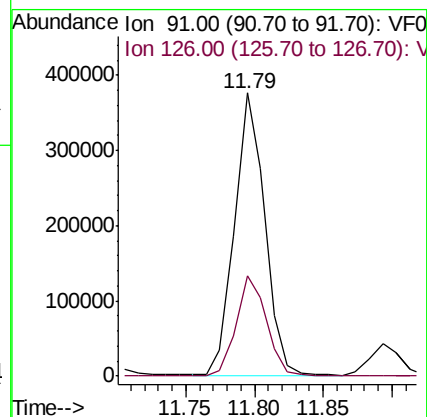
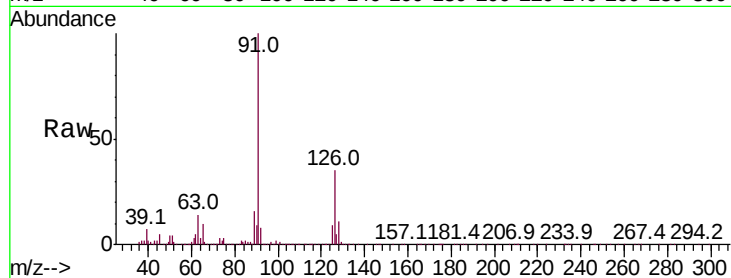
Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.345 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062838.D

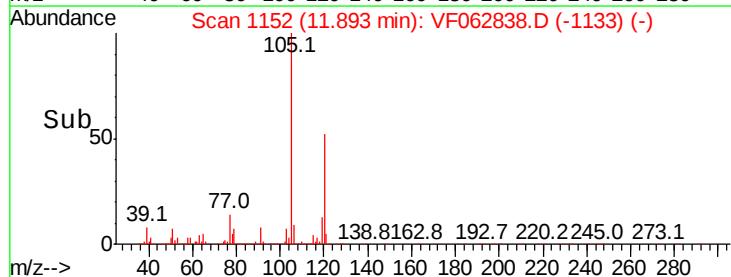
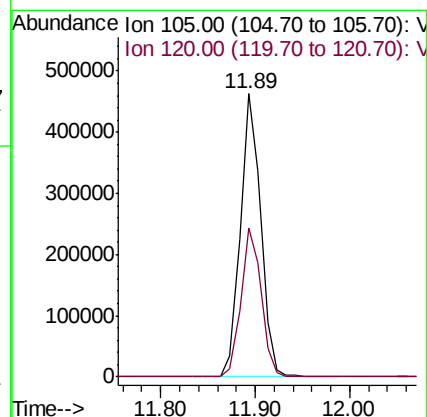
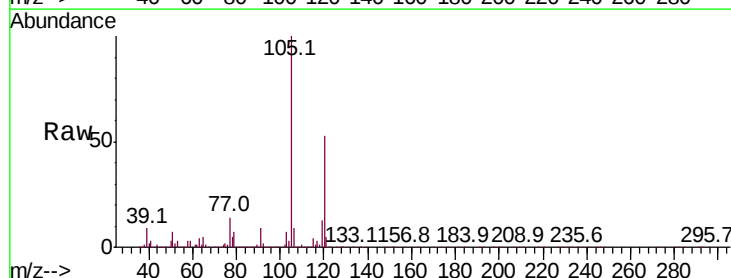
Acq: 4 Jun 2019 14:56

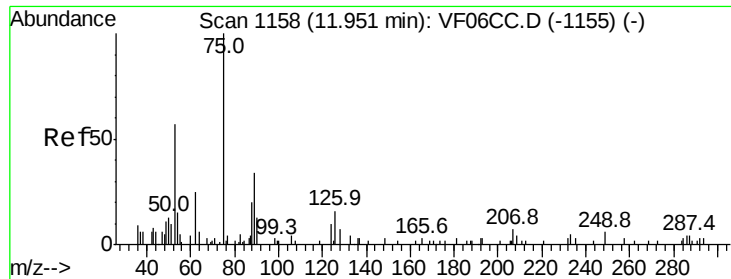
Tgt Ion: 105 Resp: 694585

Ion Ratio Lower Upper

105 100

120 52.8 28.7 86.1





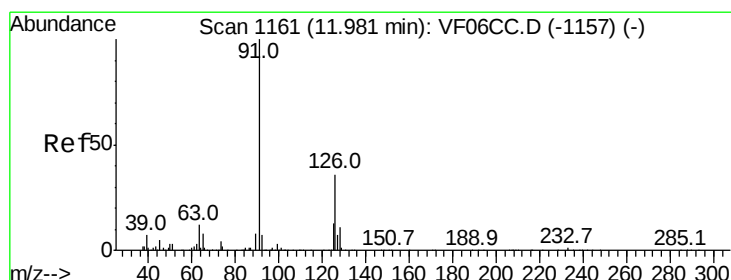
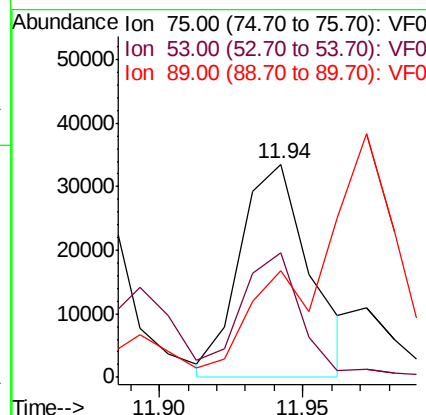
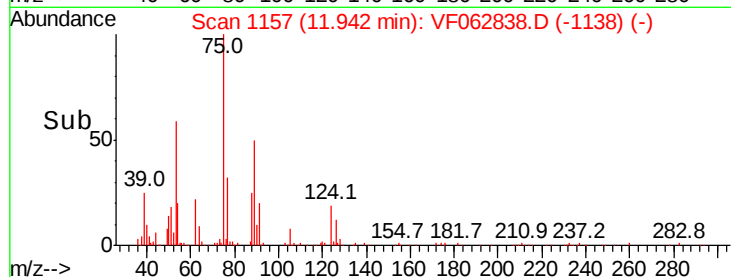
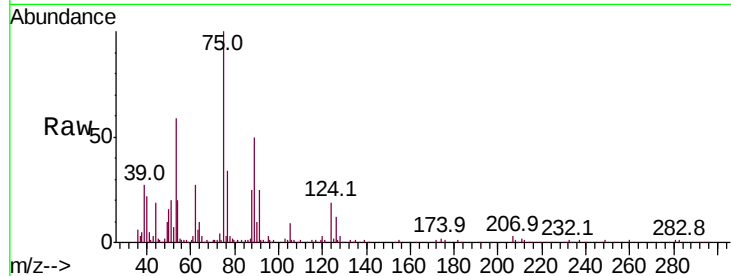
#81
trans-1,4-Dichloro-2-butene
Concen: 23.923 ug/l m
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	58.6	43.5	65.3
89	50.0	34.3	51.5

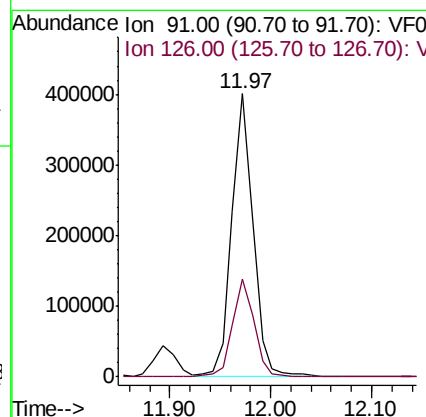
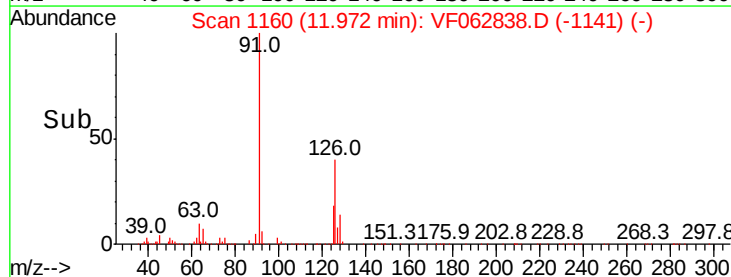
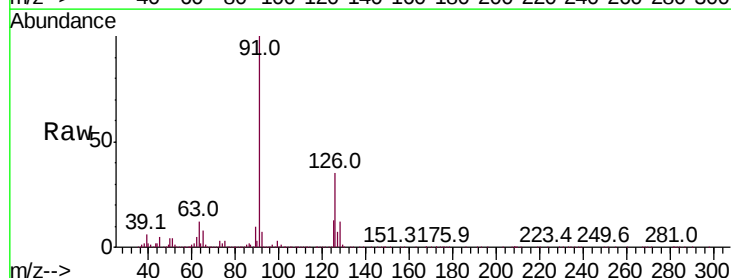
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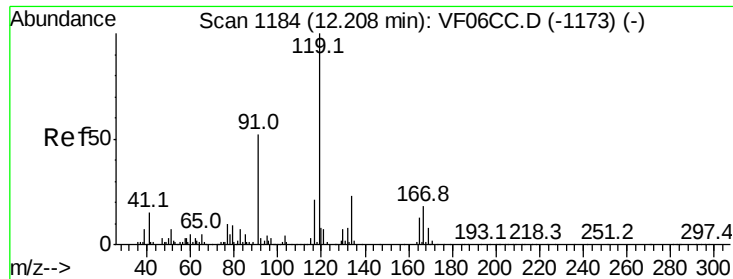
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#82
4-Chlorotoluene
Concen: 21.559 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	19.1	57.1





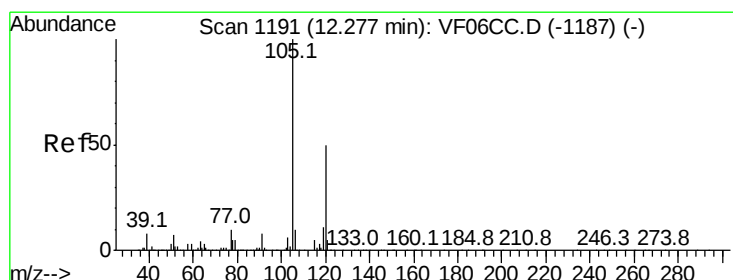
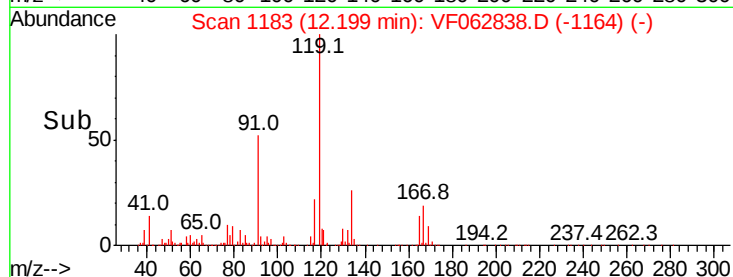
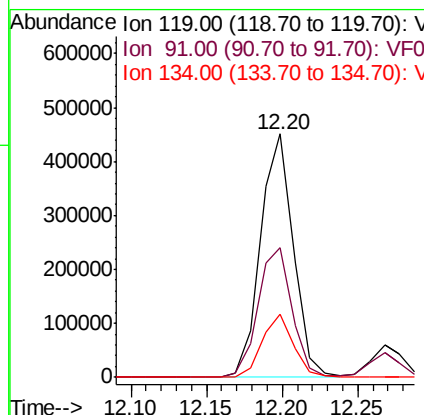
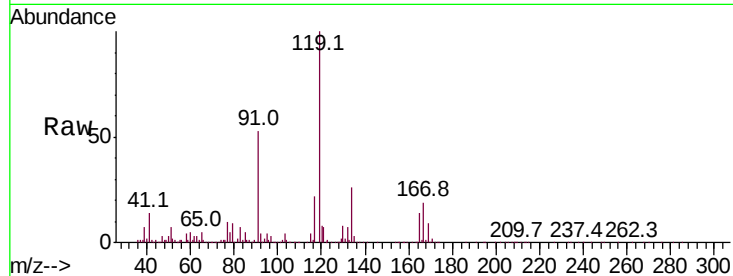
#83
tert-Butylbenzene
Concen: 21.313 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	687204		
91	53.3	28.9	86.7	
134	25.9	14.3	42.9	

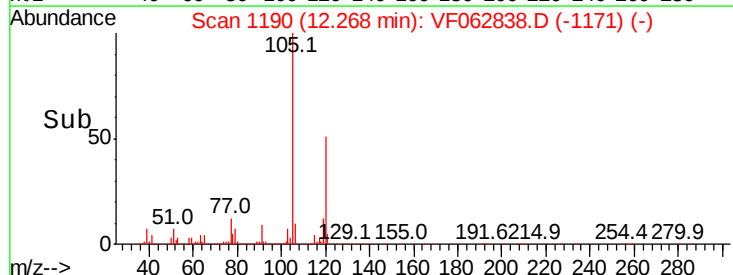
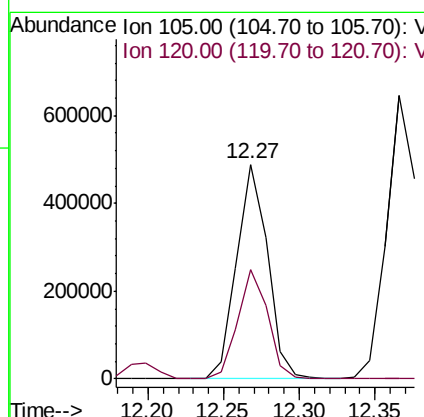
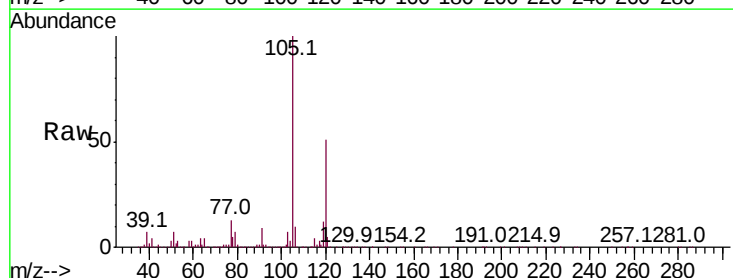
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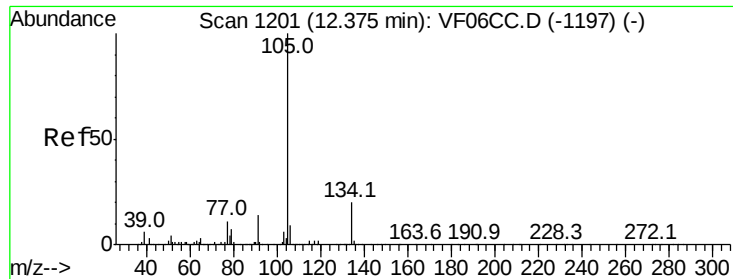
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#84
1,2,4-Trimethylbenzene
Concen: 22.710 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	700654		
120	50.8	27.1	81.3	





#85

sec-Butylbenzene

Concen: 22.095 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

Instrument :

MSVOA_F

ClientSampleId :

VF0604SBS01

Tot Ion:105 Resp: 938752

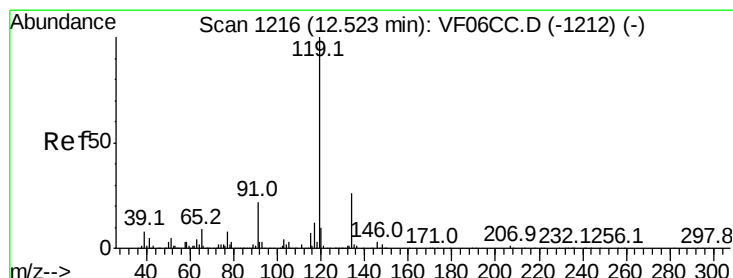
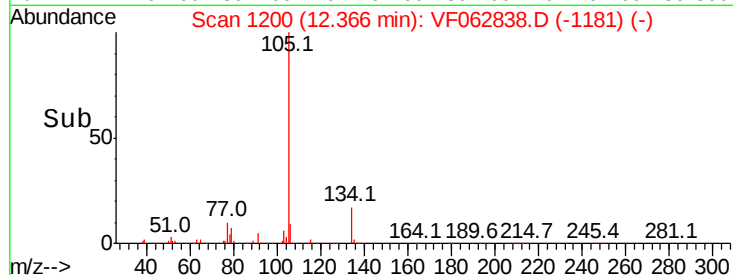
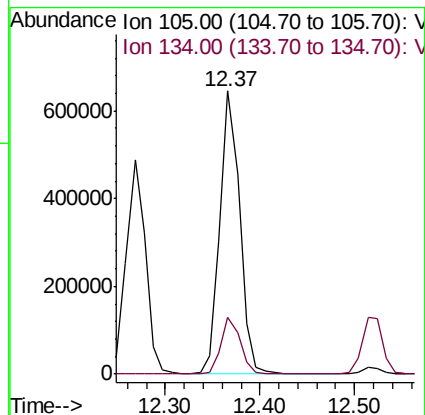
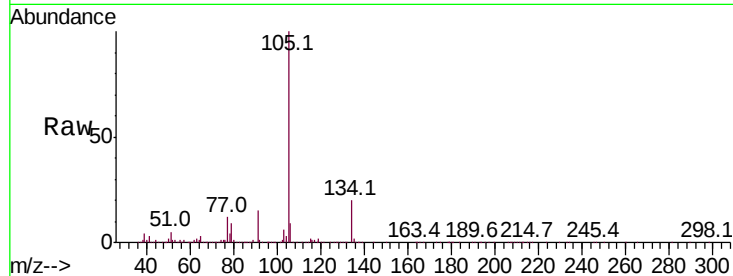
Ion Ratio Lower Upper

105 100

134 19.9 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 21.712 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

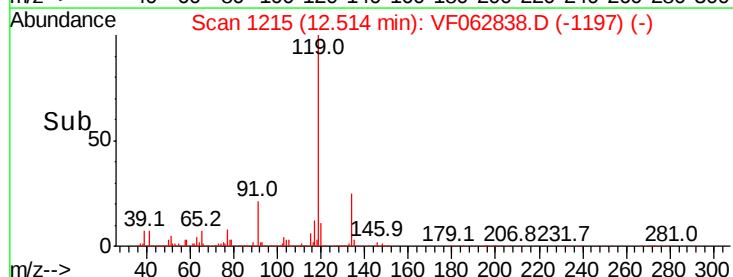
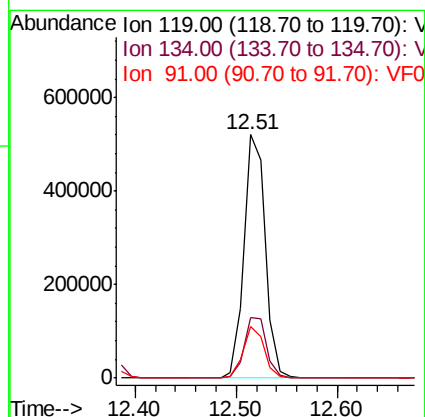
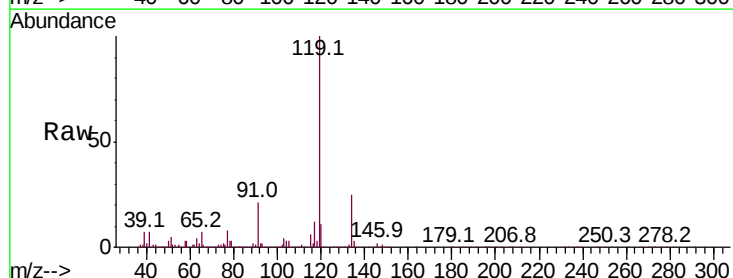
Tgt Ion:119 Resp: 767847

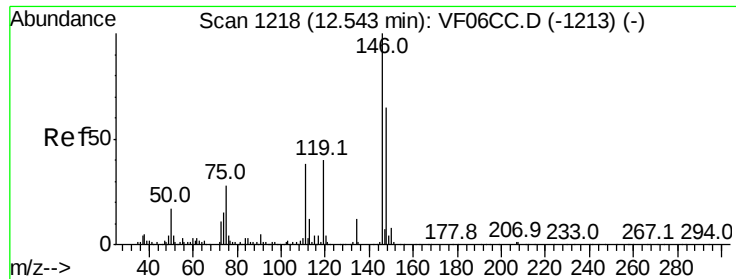
Ion Ratio Lower Upper

119 100

134 24.9 15.5 46.5

91 21.2 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 22.608 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

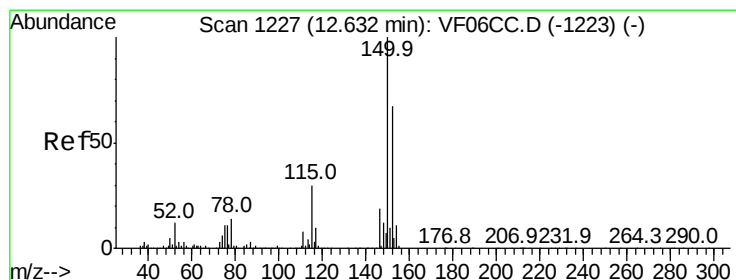
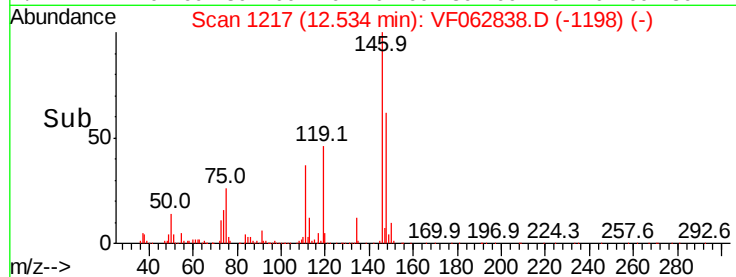
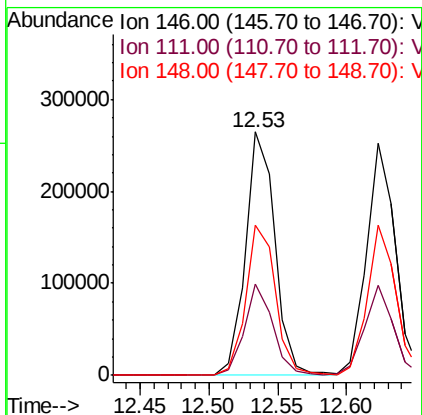
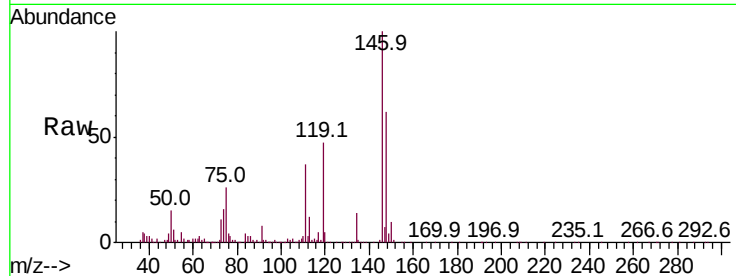
Instrument :
MSVOA_F

ClientSampleId :
VF0604SBS01

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

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.536 ug/l

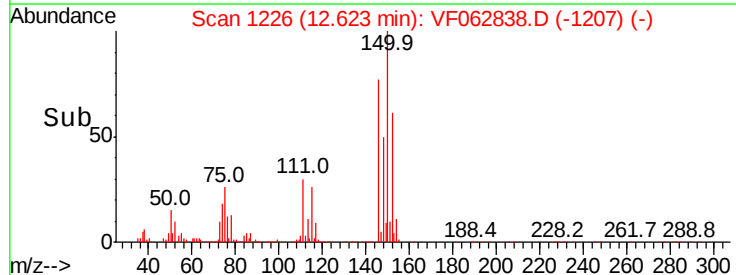
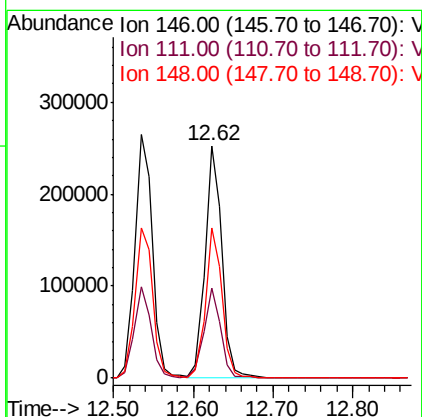
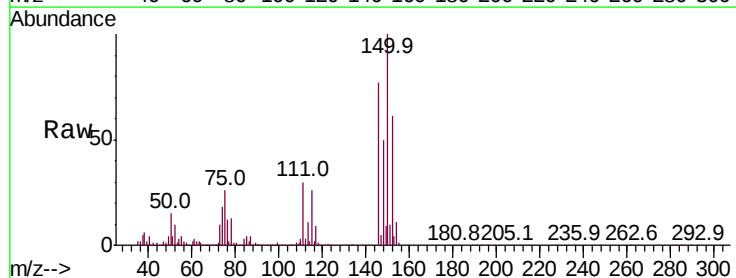
RT: 12.62 min Scan# 1226

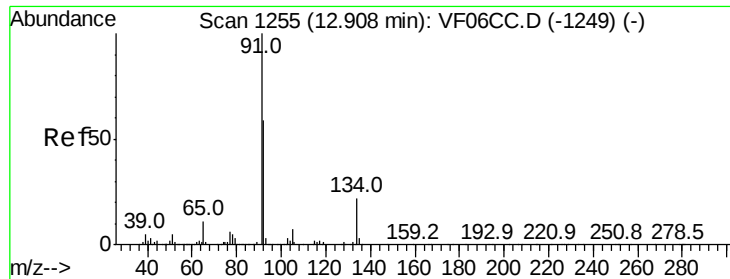
Delta R.T. -0.01 min

Lab File: VF062838.D

Acq: 4 Jun 2019 14:56

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





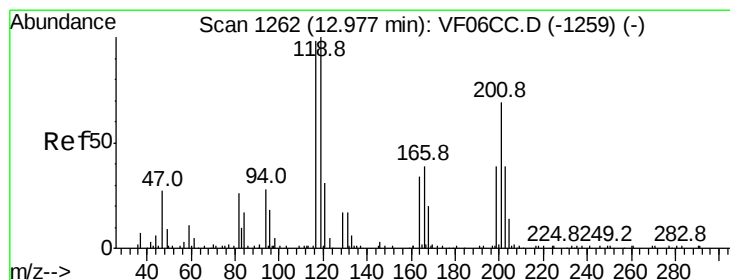
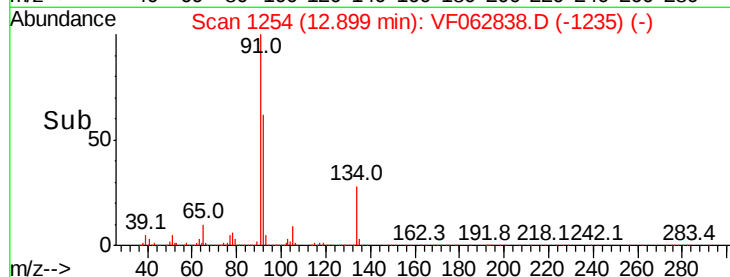
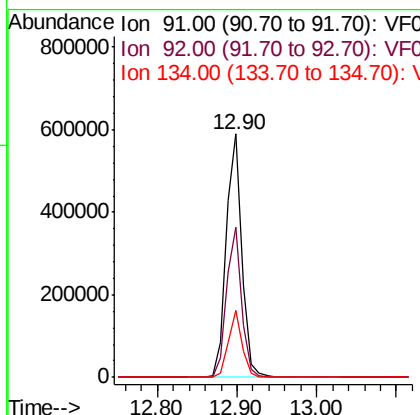
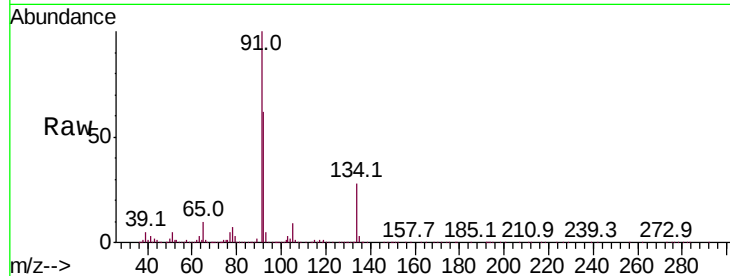
#89
n-Butylbenzene
Concen: 22.849 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

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

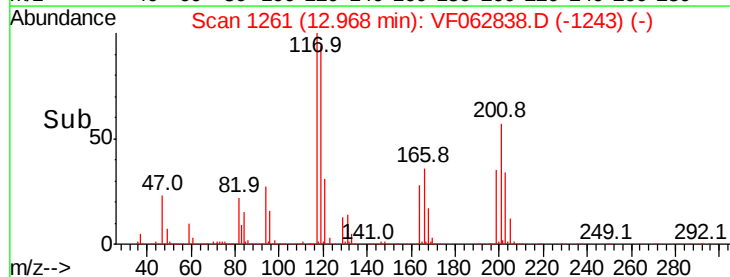
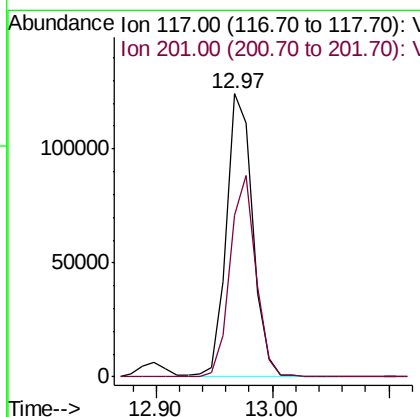
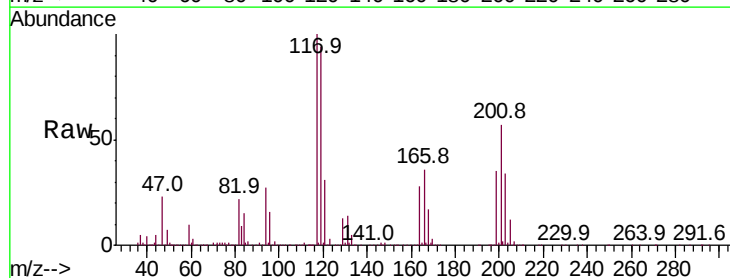
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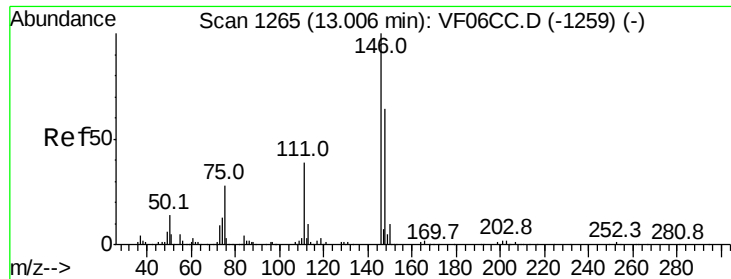
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#90
Hexachloroethane
Concen: 22.613 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.3	38.9	116.7





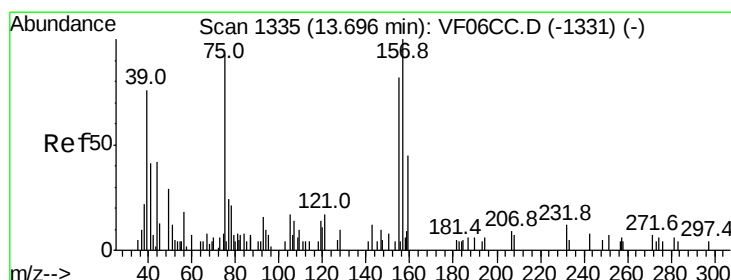
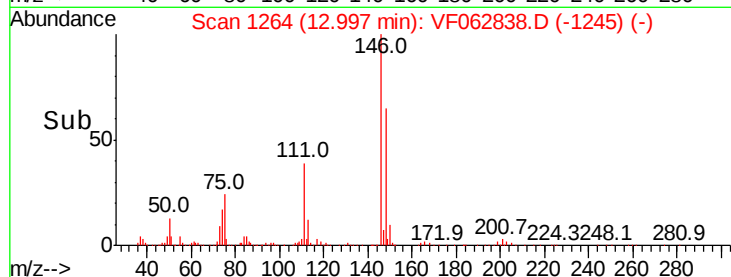
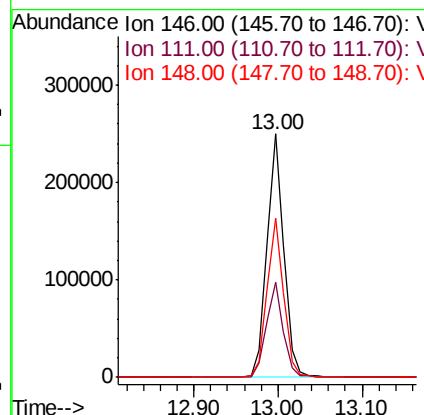
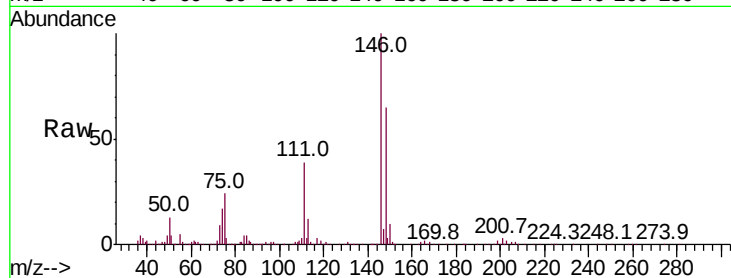
#91
 1,2-Dichlorobenzene
 Concen: 23.076 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0604SBS01

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

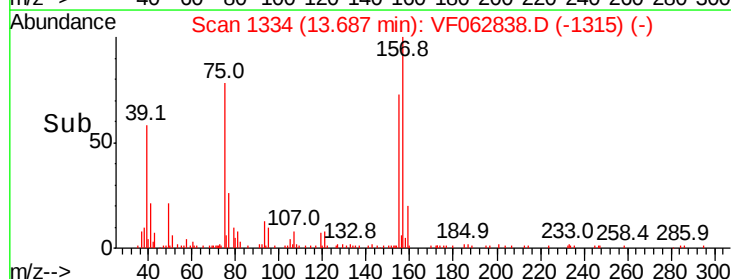
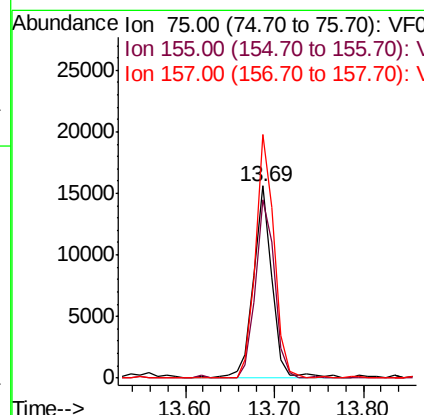
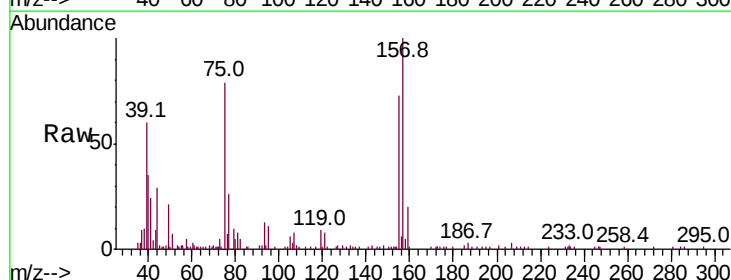
Manual Integrations
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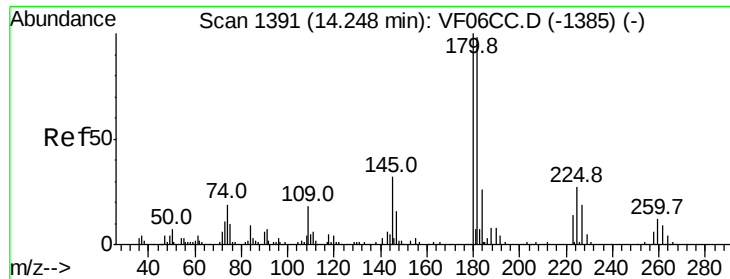
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.294 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062838.D
 Acq: 4 Jun 2019 14:56

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





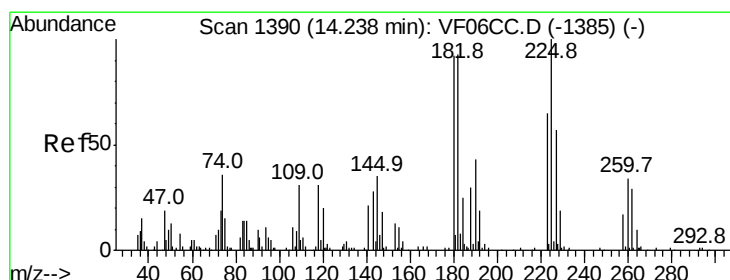
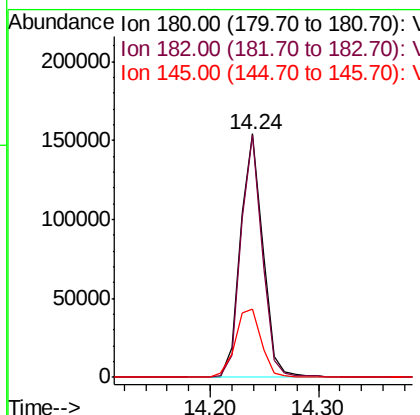
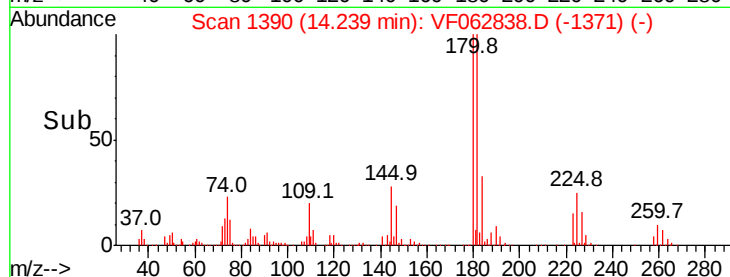
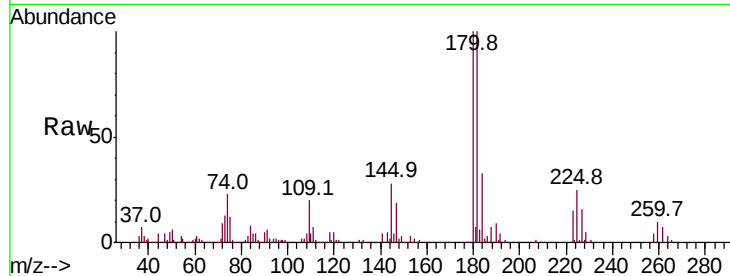
#93
1,2,4-Trichlorobenzene
Concen: 20.714 ug/l
RT: 14.24 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220417		
182	99.8	50.3	150.9	
145	27.9	15.4	46.2	

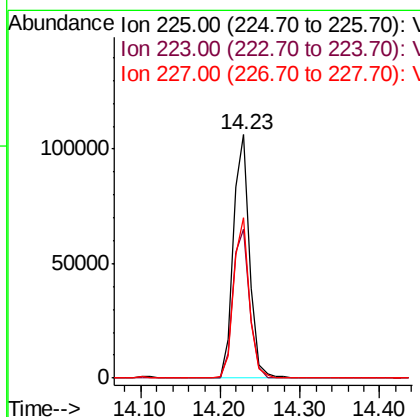
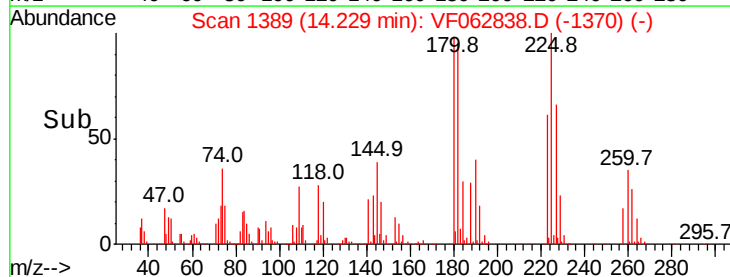
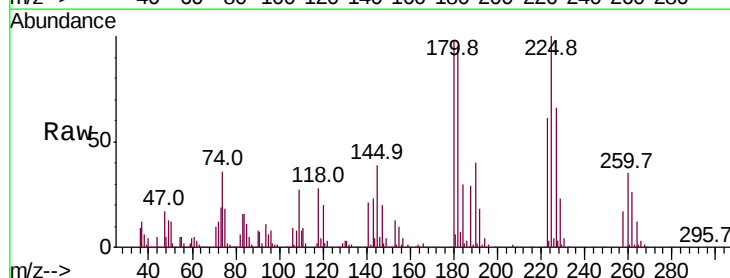
Manual Integrations
APPROVED

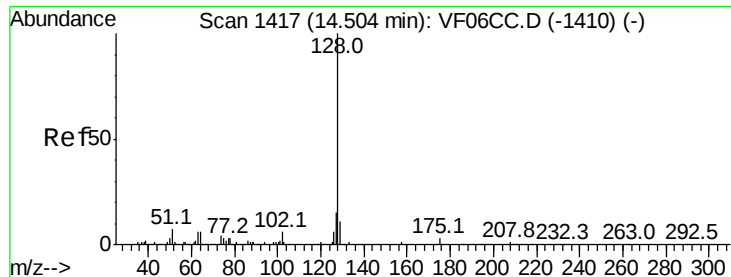
MMDadoda
6/6/2019 8:48:58 AM



#94
Hexachlorobutadiene
Concen: 20.560 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151353		
223	60.9	30.8	92.4	
227	66.0	31.9	95.5	





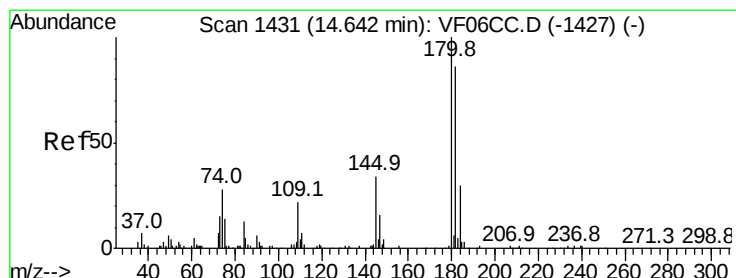
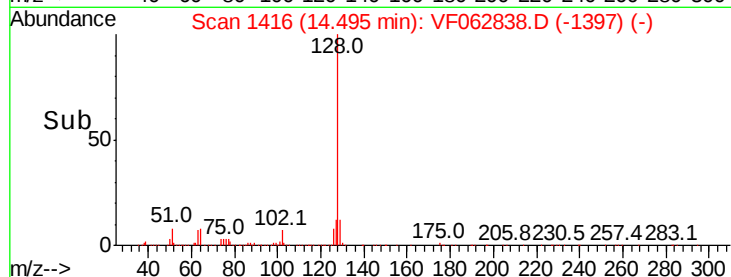
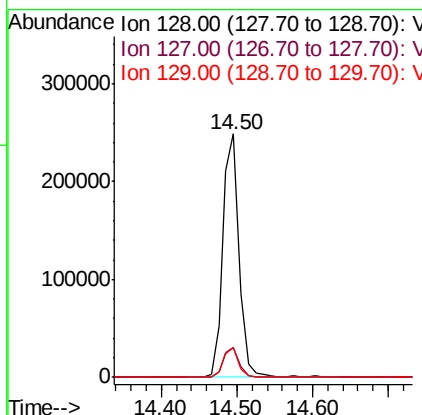
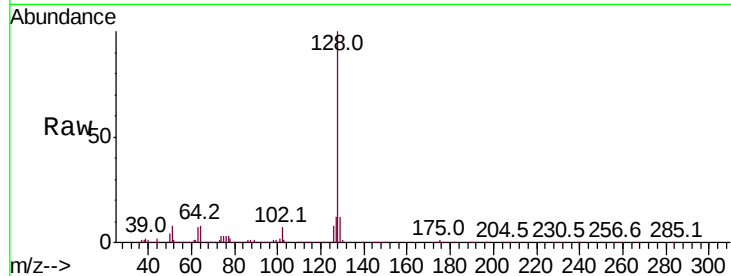
#95
Naphthalene
Concen: 21.321 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Instrument :
MSVOA_F
ClientSampleId :
VF0604SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	371697		
127	12.3		9.7	14.5
129	12.1		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:48:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.418 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062838.D
Acq: 4 Jun 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208037		
182	90.3		48.6	145.9
145	28.6		15.7	47.0

