

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

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:32:56 AM

Quant Time: Jun 13 08:45:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	758037	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1299368	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	976300	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.61	152	474601	50.00	ug/l	-0.02

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

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	203808	21.289	ug/l	99
3) Chloromethane	1.14	50	170854	21.783	ug/l	99
4) Vinyl Chloride	1.19	62	155966	20.010	ug/l	98
5) Bromomethane	1.39	94	81697	18.379	ug/l	89
6) Chloroethane	1.44	64	53168	18.244	ug/l #	87
7) Trichlorofluoromethane	1.55	101	238957	21.656	ug/l	93
8) Diethyl Ether	1.72	74	44195	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	144984	20.899	ug/l	92
10) Methyl Iodide	1.98	142	288349	20.730	ug/l	99
11) Tert butyl alcohol	2.70	59	34595	108.944	ug/l	97
12) 1,1-Dichloroethene	1.86	96	126654	20.106	ug/l	98
13) Acrolein	2.10	56	10793	79.499	ug/l #	52
14) Allyl chloride	2.20	41	125507m	25.682	ug/l	
15) Acrylonitrile	3.09	53	90133	75.538	ug/l	93
16) Acetone	2.35	43	132185	110.177	ug/l	99
17) Carbon Disulfide	1.91	76	389166	21.137	ug/l	95
18) Methyl Acetate	2.46	43	55152m	26.306	ug/l	
19) Methyl tert-butyl Ether	2.54	73	259322	22.722	ug/l	99
20) Methylene Chloride	2.29	84	153215m	23.946	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	133859	21.194	ug/l	99
22) Diisopropyl ether	2.94	45	299480	21.570	ug/l #	95
23) Vinyl Acetate	3.34	43	1128561	118.729	ug/l	97
24) 1,1-Dichloroethane	3.01	63	227793	21.974	ug/l	98
25) 2-Butanone	4.53	43	311050	111.330	ug/l	94
26) 2,2-Dichloropropane	3.78	77	159013	27.015	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	235111	22.145	ug/l	97
28) Bromochloromethane	3.89	49	114408	20.289	ug/l	86
29) Tetrahydrofuran	4.27	42	132471	123.966	ug/l	96
30) Chloroform	4.04	83	329729	22.568	ug/l	92
31) Cyclohexane	3.87	56	301699	21.496	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	220652	25.939	ug/l	97
36) 1,1-Dichloropropene	4.48	75	256205	21.418	ug/l	98
37) Ethyl Acetate	4.30	43	113633	24.851	ug/l	87
38) Carbon Tetrachloride	4.18	117	201111	24.877	ug/l #	90

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Quant Time: Jun 13 08:45:53 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)
39) Methylcyclohexane	5.64	83	314618	21.133	ug/l	97
40) Benzene	4.82	78	732639	21.045	ug/l	99
41) Methacrylonitrile	4.93	41	59146	23.267	ug/l	98
42) 1,2-Dichloroethane	5.14	62	133763	20.202	ug/l	99
43) Isopropyl Acetate	7.11	43	136605	22.615	ug/l #	96
44) Trichloroethene	5.68	130	211993	21.577	ug/l	97
45) 1,2-Dichloropropane	6.41	63	184067	21.069	ug/l	97
46) Dibromomethane	6.26	93	114566	22.461	ug/l	95
47) Bromodichloromethane	6.55	83	220745	21.251	ug/l	93
48) Methyl methacrylate	6.87	41	64713	20.788	ug/l	95
49) 1,4-Dioxane	6.86	88	16461	401.162	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	514235	119.242	ug/l	100
52) Toluene	7.78	92	385542	20.561	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	190597	22.142	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	261133	20.958	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125146	22.340	ug/l	96
56) Ethyl methacrylate	8.75	69	139028	23.131	ug/l	98
57) 1,3-Dichloropropane	8.99	76	208891	22.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	244852	116.561	ug/l	94
59) 2-Hexanone	9.61	43	358639	116.675	ug/l	97
60) Dibromochloromethane	8.85	129	158974	22.922	ug/l	92
61) 1,2-Dibromoethane	9.13	107	128380	22.067	ug/l	98
64) Tetrachloroethene	8.30	164	158399	21.113	ug/l	98
65) Chlorobenzene	9.93	112	409573	21.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	157930	21.033	ug/l	94
67) Ethyl Benzene	10.03	91	675042	20.864	ug/l	98
68) m/p-Xylenes	10.25	106	494530	39.944	ug/l	84
69) o-Xylene	10.81	106	257469	20.540	ug/l	88
70) Styrene	10.88	104	384616	20.817	ug/l	98
71) Bromoform	10.87	173	88368	24.533	ug/l #	100
73) Isopropylbenzene	11.21	105	718216	21.688	ug/l	96
74) N-amyl acetate	11.45	43	219465	23.514	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	174324	24.650	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	110327	23.536	ug/l	86
77) Bromobenzene	11.57	156	165862	19.934	ug/l	88
78) n-propylbenzene	11.66	91	885102	22.136	ug/l	91
79) 2-Chlorotoluene	11.79	91	482767	21.101	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	584087	21.568	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	43268m	21.802	ug/l	
82) 4-Chlorotoluene	11.97	91	473747	21.070	ug/l	96
83) tert-Butylbenzene	12.18	119	600550	22.380	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	562981	21.925	ug/l	93
85) sec-Butylbenzene	12.36	105	820153	23.195	ug/l	95
86) p-Isopropyltoluene	12.51	119	690826	23.472	ug/l	94
87) 1,3-Dichlorobenzene	12.53	146	329061	22.424	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	299199	21.848	ug/l	98
89) n-Butylbenzene	12.89	91	687860	23.234	ug/l	91
90) Hexachloroethane	12.96	117	156885	21.855	ug/l	87
91) 1,2-Dichlorobenzene	12.99	146	283675	21.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	22846	29.652	ug/l	90

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

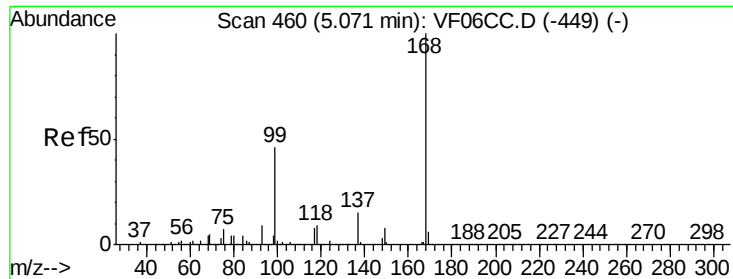
Manual Integrations
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6/13/2019 11:32:56 AM

Quant Time: Jun 13 08:45:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

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

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



#1

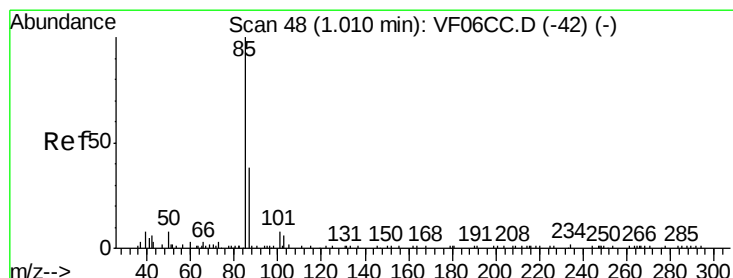
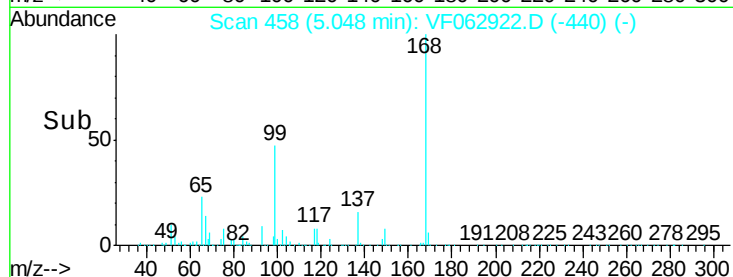
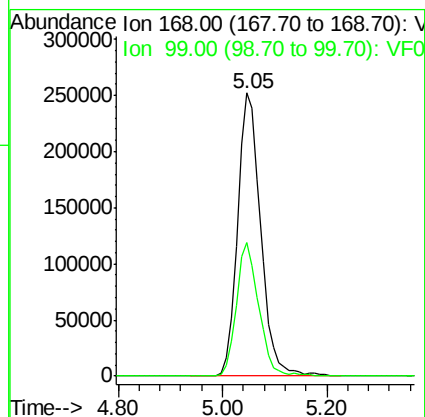
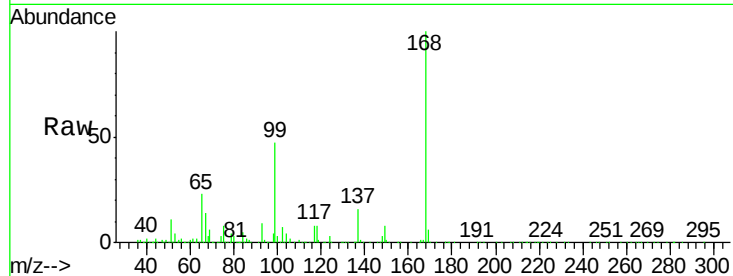
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.3	39.1	58.7

Manual Integrations
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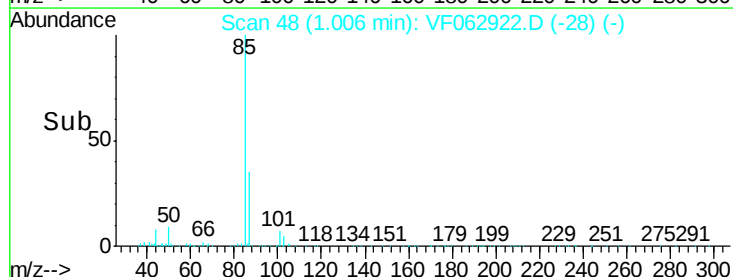
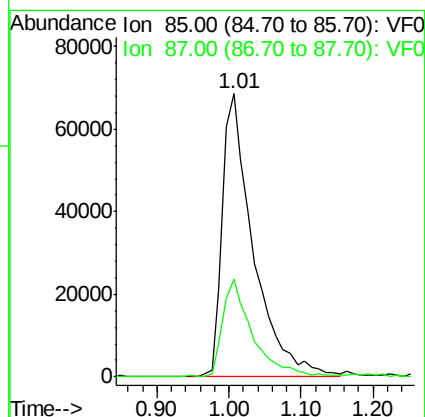
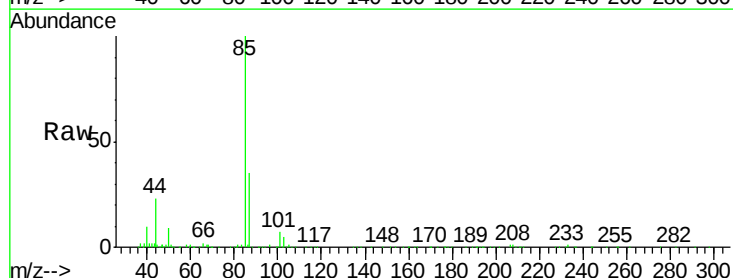
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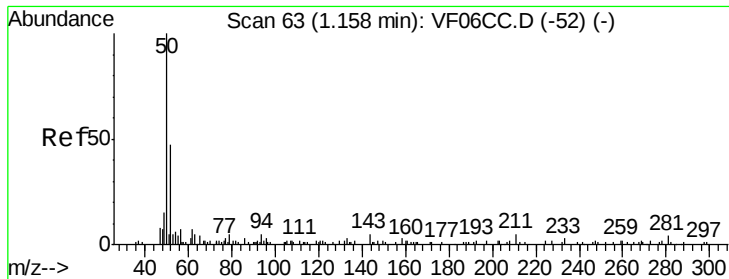


#2

Dichlorodifluoromethane
 Concen: 21.289 ug/l
 RT: 1.01 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.6	17.6	52.9





#3

Chloromethane

Concen: 21.783 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 50 Resp: 170854

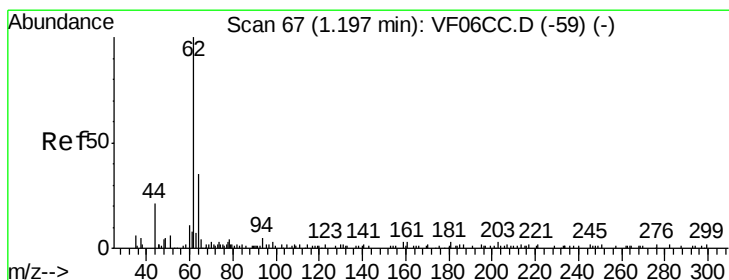
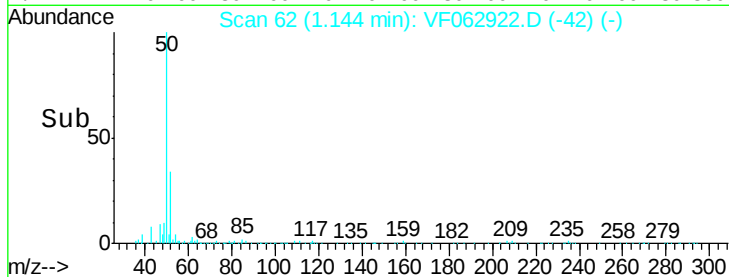
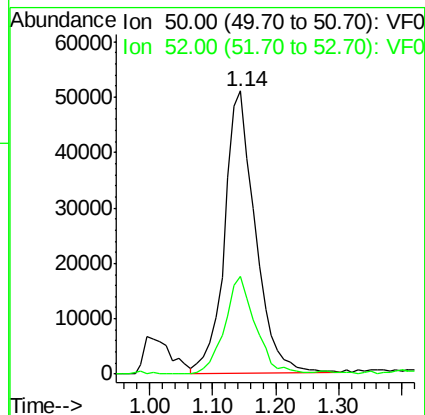
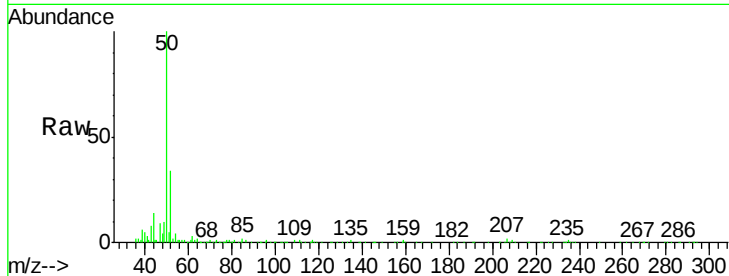
Ion Ratio Lower Upper

50 100

52 34.5 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.010 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062922.D

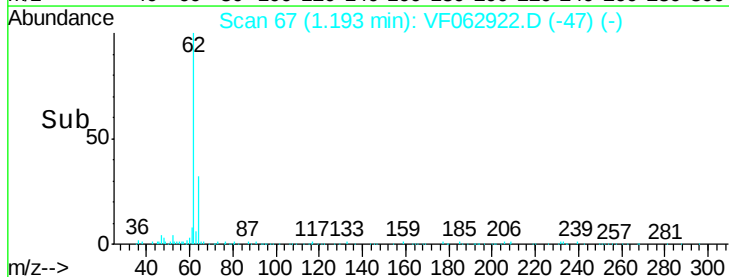
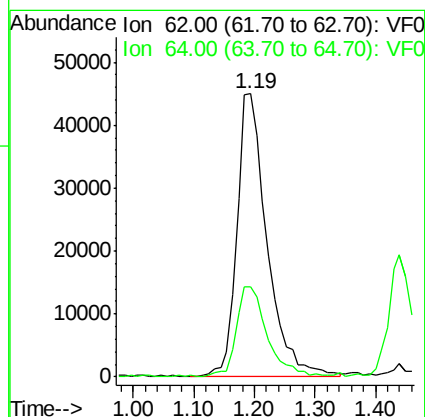
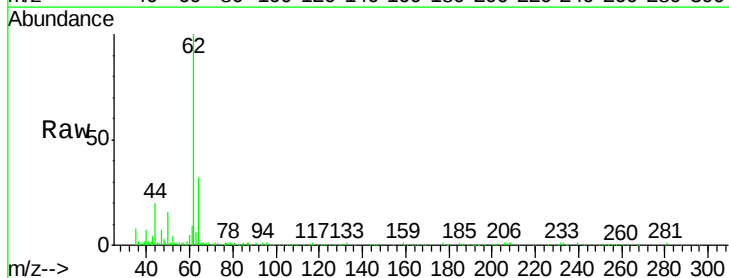
Acq: 12 Jun 2019 12:45

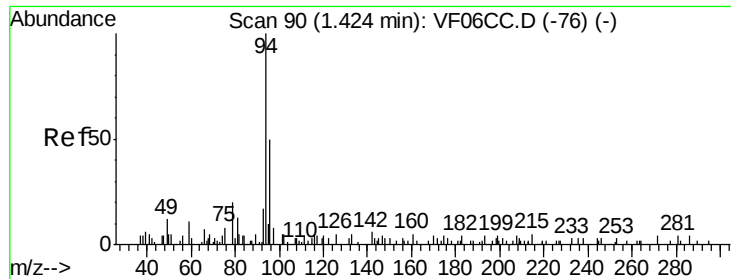
Tgt Ion: 62 Resp: 155966

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.2





#5

Bromomethane

Concen: 18.379 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 94 Resp: 81697

Ion Ratio Lower Upper

94 100

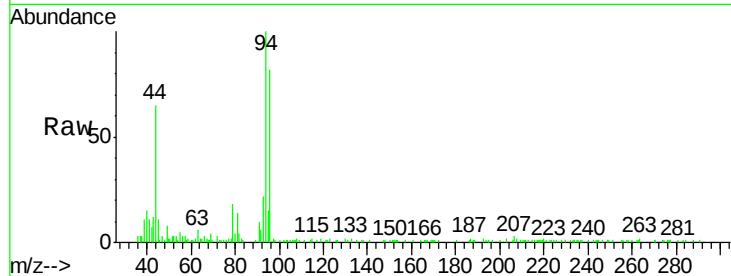
96 82.1 73.8 110.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

10000

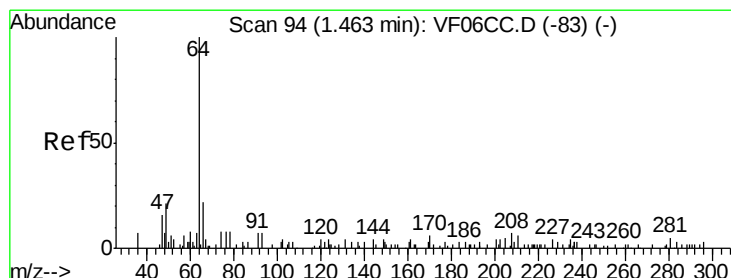
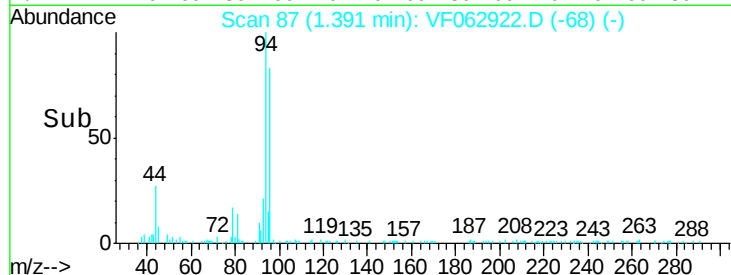
5000

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Time-->

1.20 1.30 1.40 1.50 1.60

1.39



#6

Chloroethane

Concen: 18.244 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.03 min

Lab File: VF062922.D

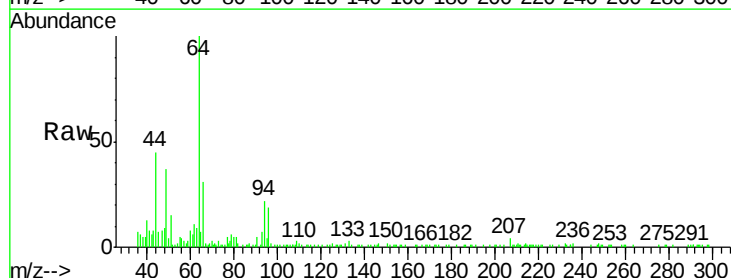
Acq: 12 Jun 2019 12:45

Tgt Ion: 64 Resp: 53168

Ion Ratio Lower Upper

64 100

66 30.8 31.0 46.4#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

20000

15000

10000

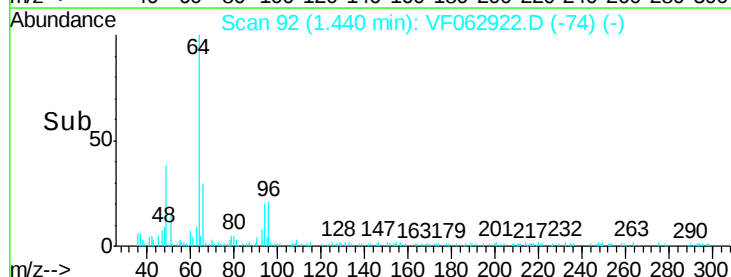
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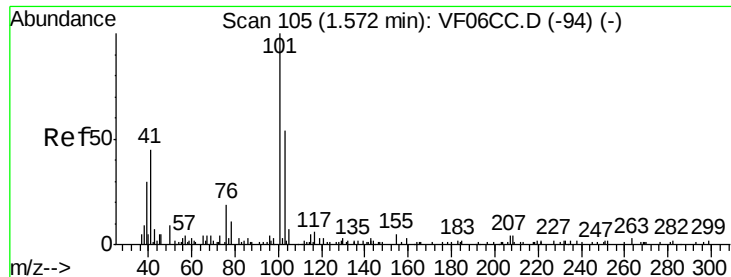
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Time-->

1.30 1.40 1.50 1.60

1.44





#7

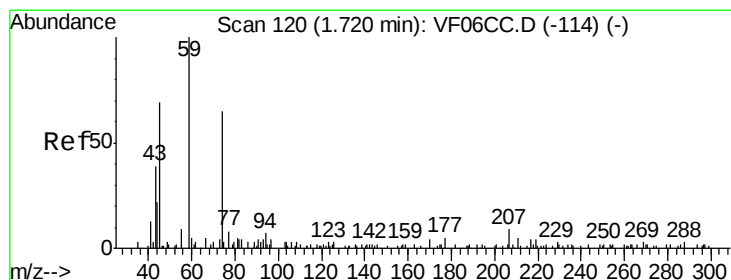
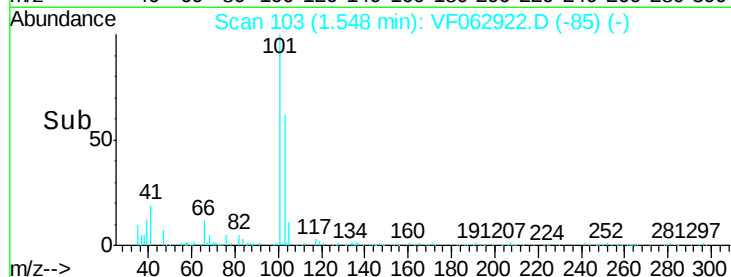
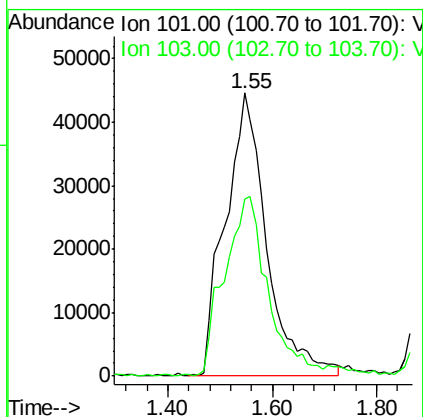
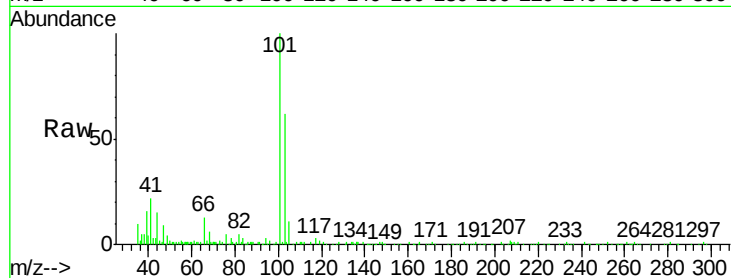
Trichlorofluoromethane
Concen: 21.656 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	54.6	82.0

Manual Integrations
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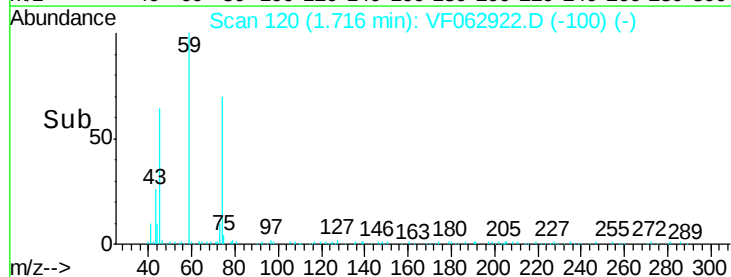
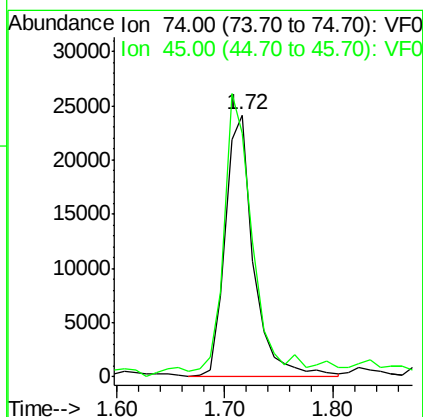
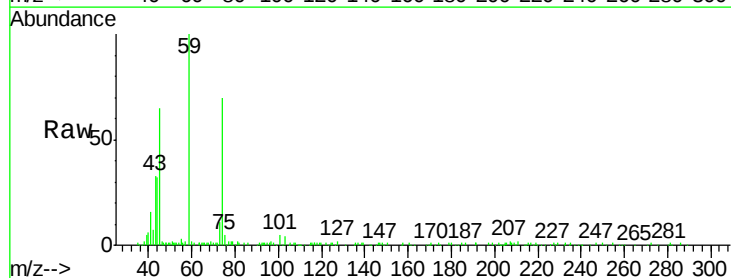
MMDadoda
6/13/2019 11:32:56 AM

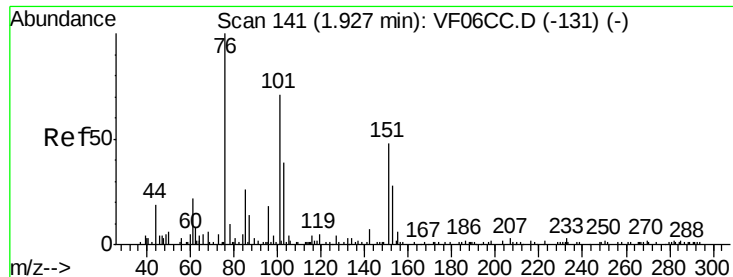


#8

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

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.899 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

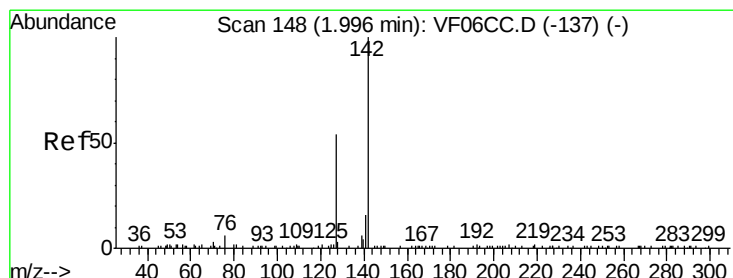
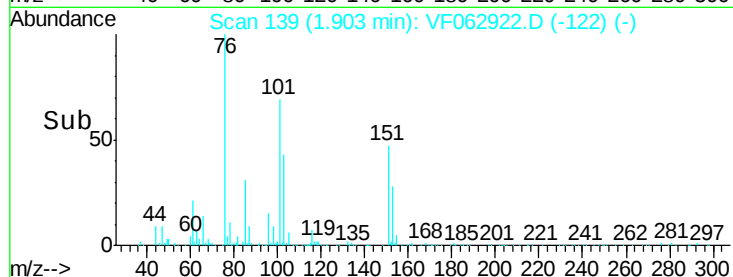
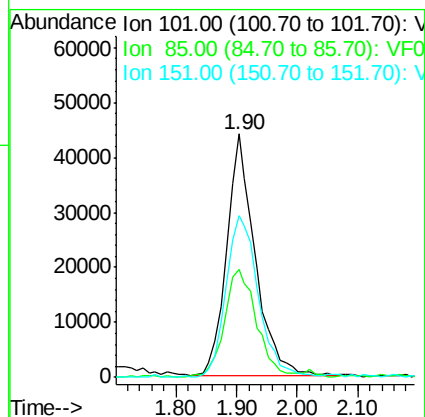
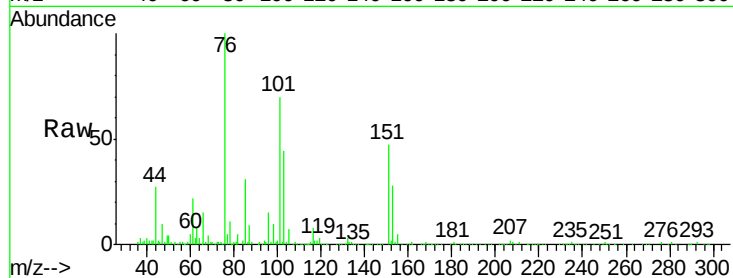
ClientSampleId :

VF0612SBS01

Tot Ion:	101	Resp:	144984
Ion Ratio	Lower	Upper	
101	100		
85	44.1	37.1	55.7
151	66.5	60.3	90.5

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#10

Methyl Iodide

Concen: 20.730 ug/l

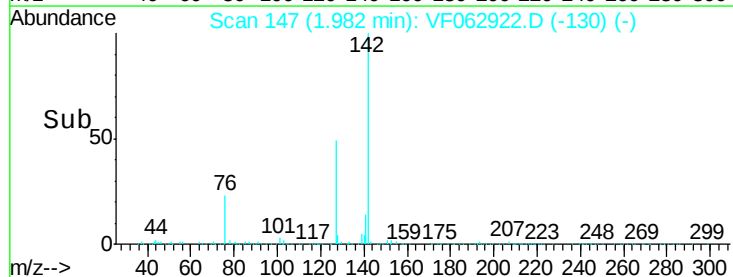
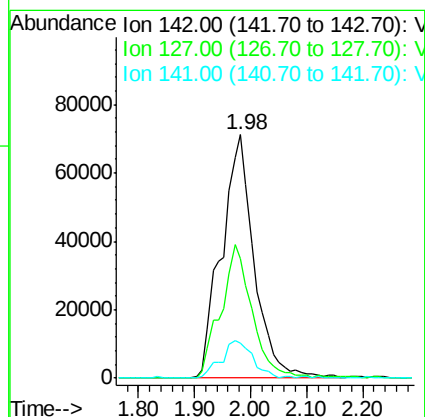
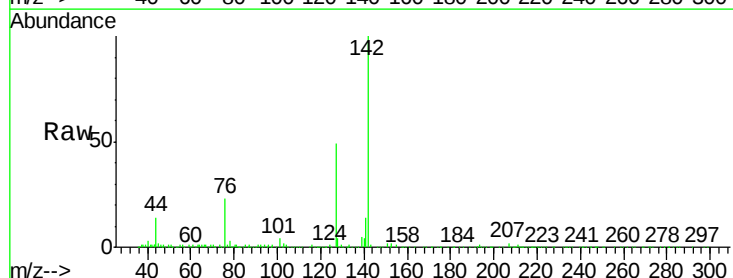
RT: 1.98 min Scan# 147

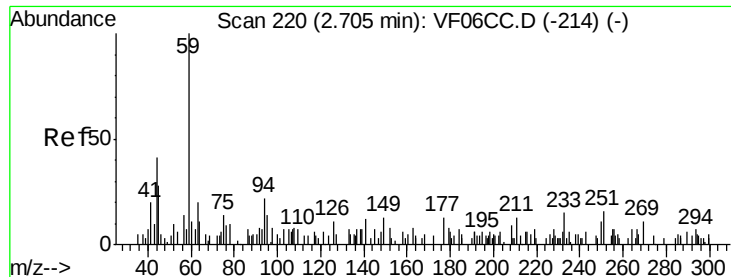
Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	142	Resp:	288349
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.4	59.2
141	14.1	10.6	15.8





#11

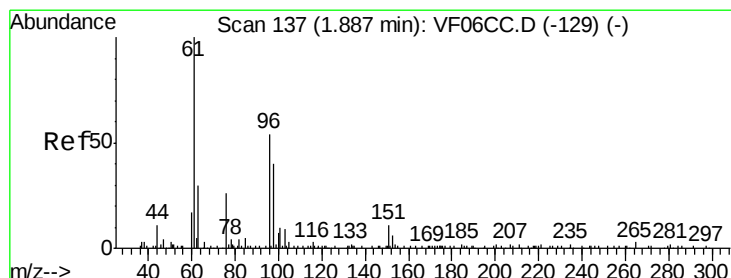
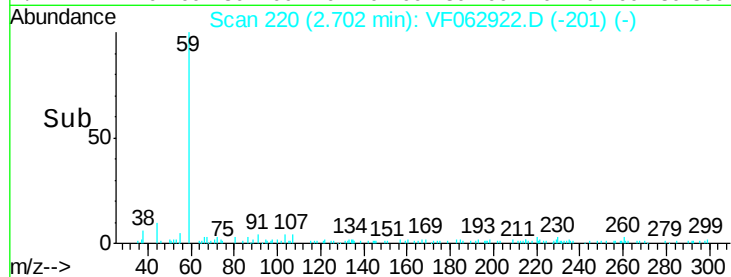
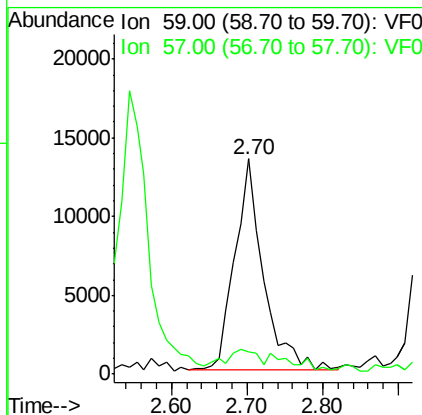
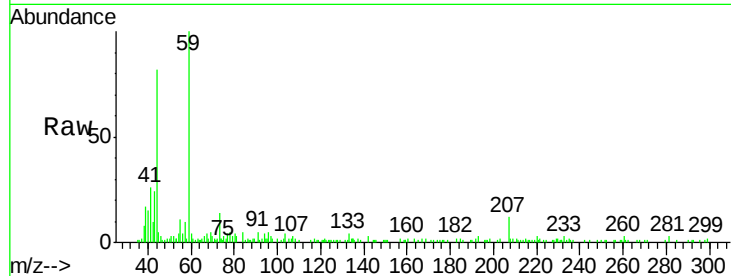
Tert butyl alcohol
Concen: 108.944 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

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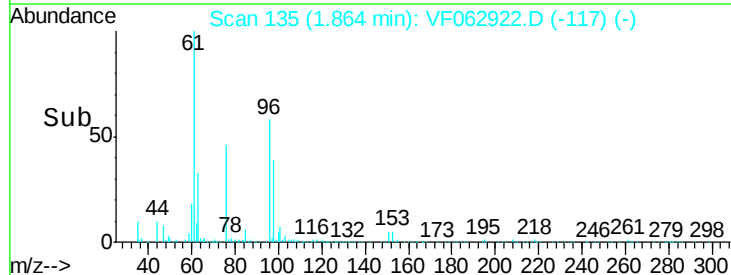
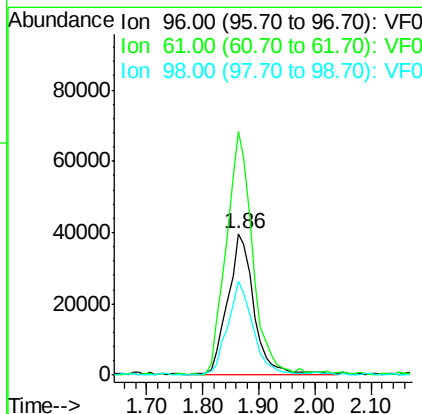
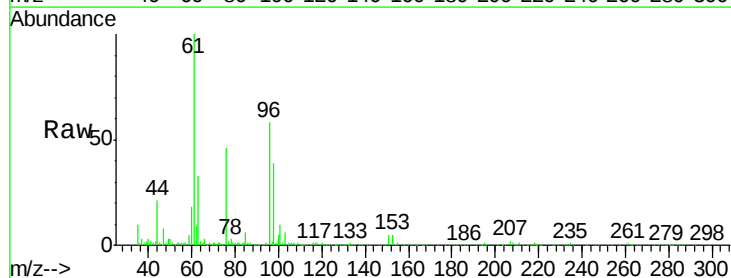
MMDadoda
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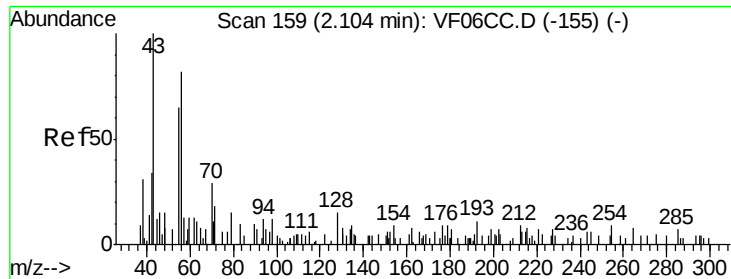


#12

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

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





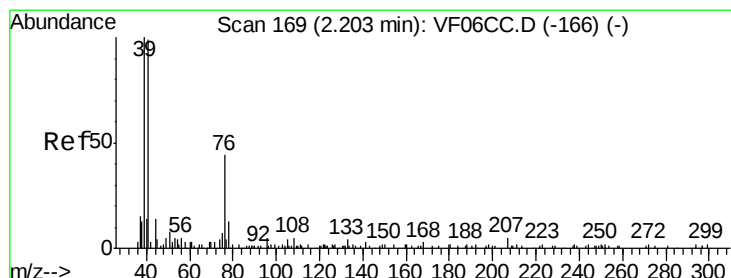
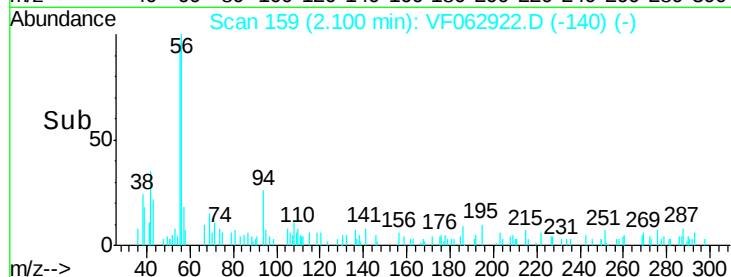
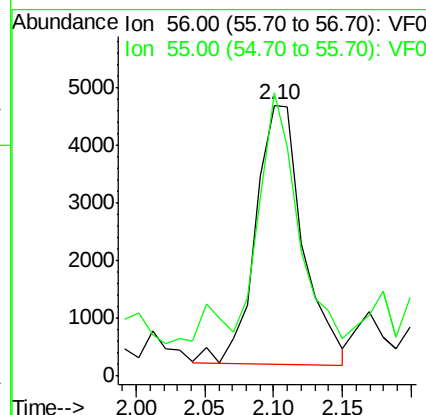
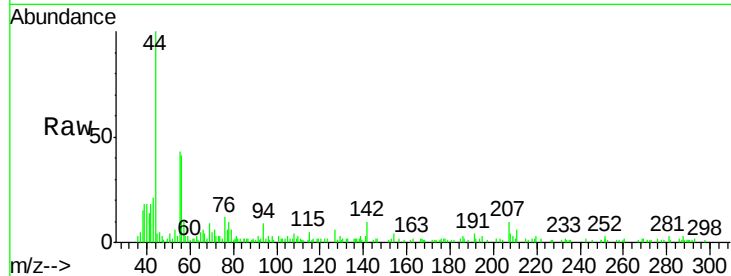
#13
Acrolein
Concen: 79.499 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

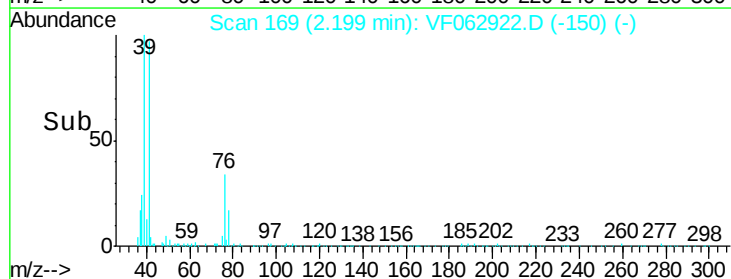
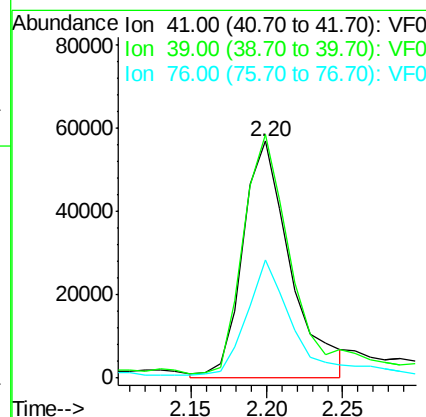
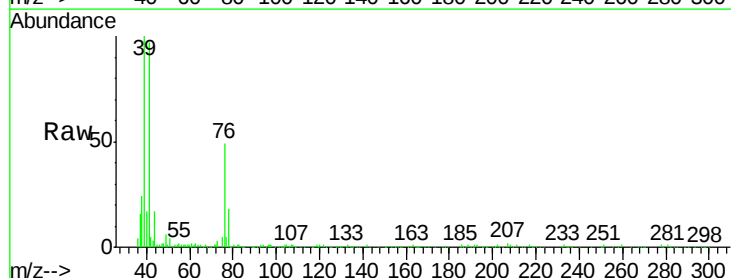
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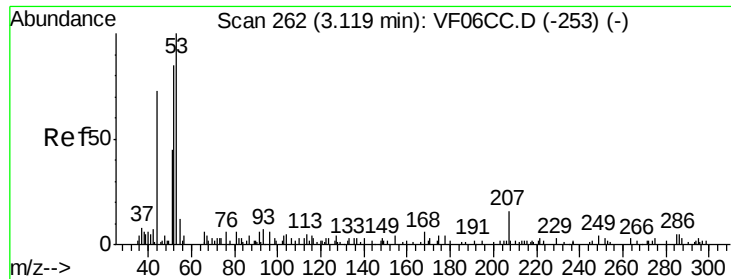
MMDadoda
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#14
Allyl chloride
Concen: 25.682 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 41 Resp: 125507
Ion Ratio Lower Upper
41 100
39 102.8 71.9 107.9
76 50.1 39.6 59.4





#15

Acrylonitrile

Concen: 75.538 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

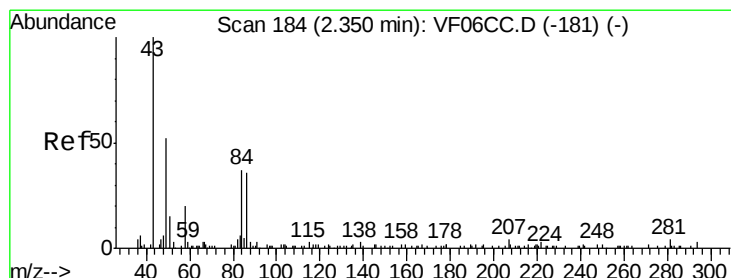
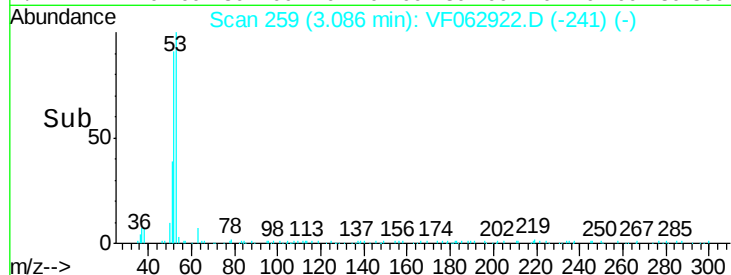
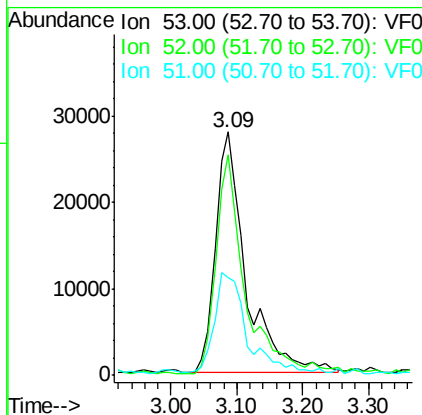
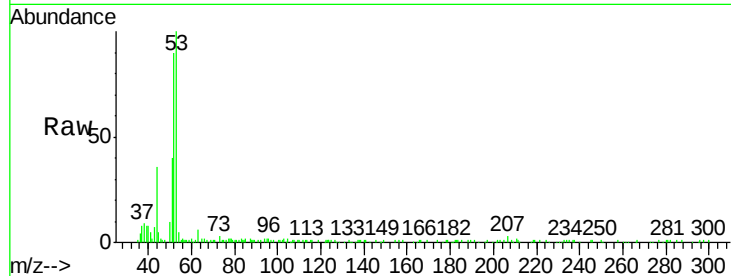
ClientSampleId :

VF0612SBS01

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

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#16

Acetone

Concen: 110.177 ug/l

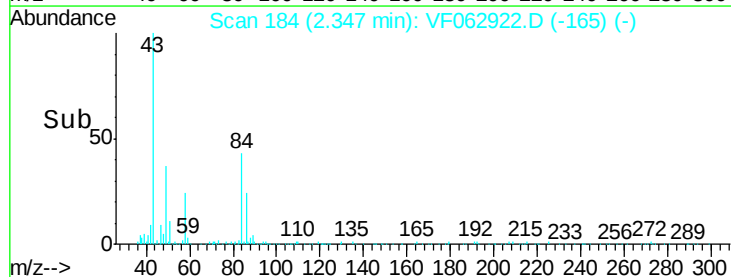
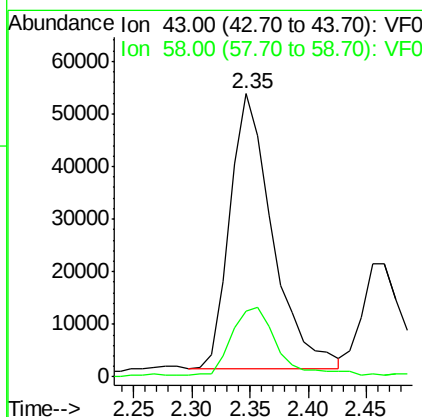
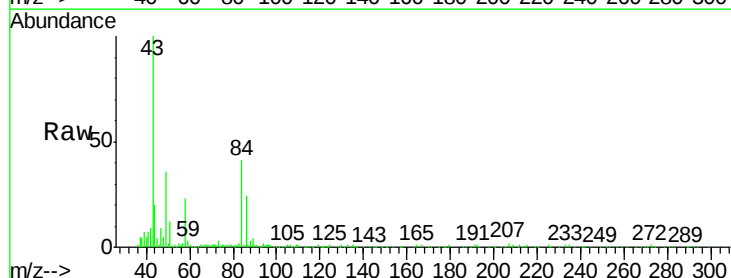
RT: 2.35 min Scan# 184

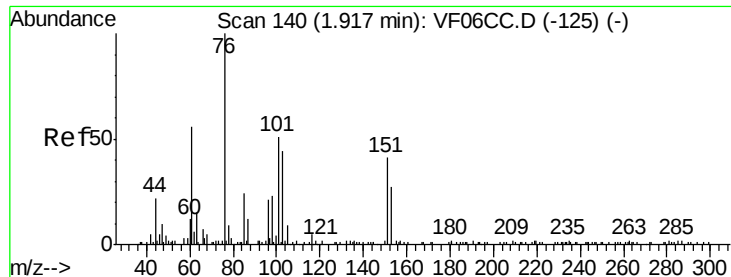
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

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





#17

Carbon Disulfide

Concen: 21.137 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 76 Resp: 389166

Ion Ratio Lower Upper

76 100

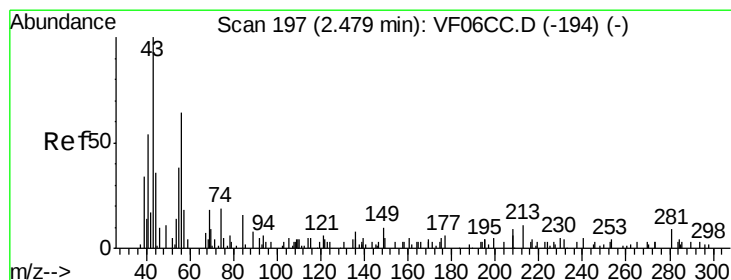
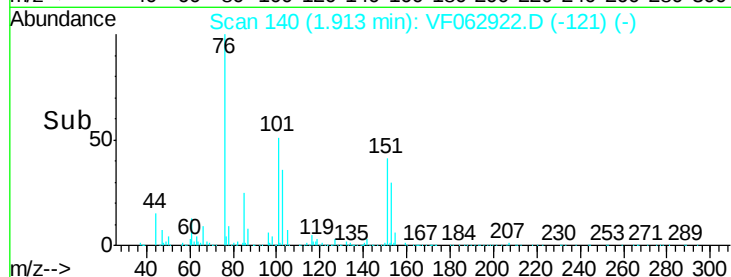
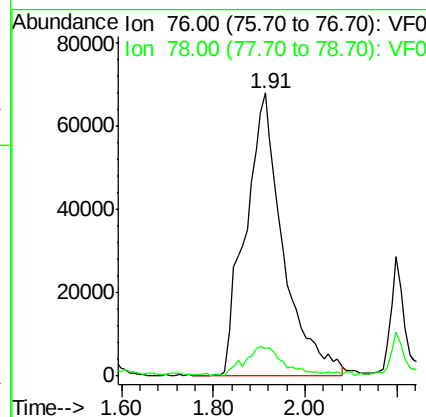
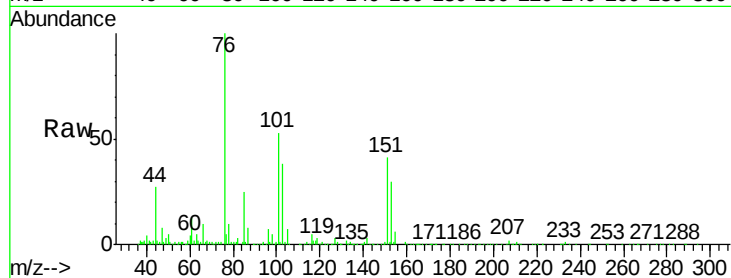
78 9.9 9.4 14.2

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#18

Methyl Acetate

Concen: 26.306 ug/l m

RT: 2.46 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF062922.D

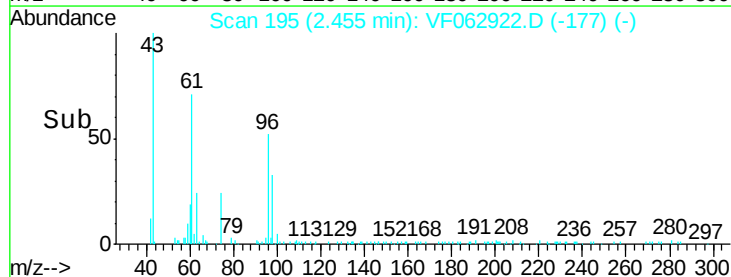
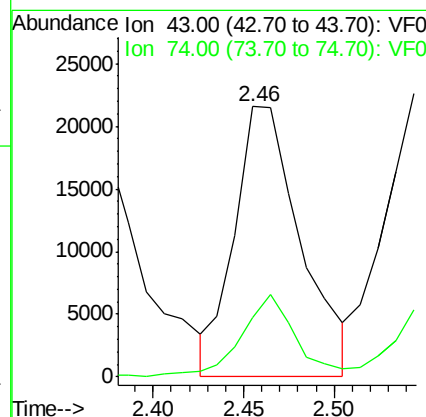
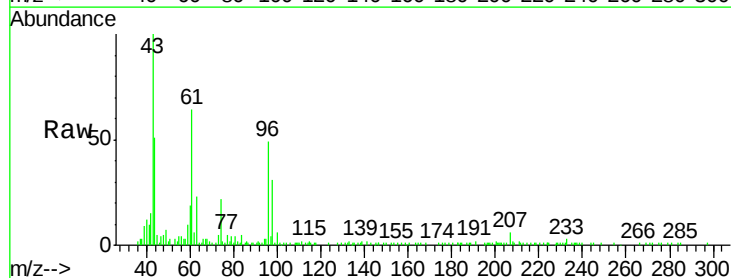
Acq: 12 Jun 2019 12:45

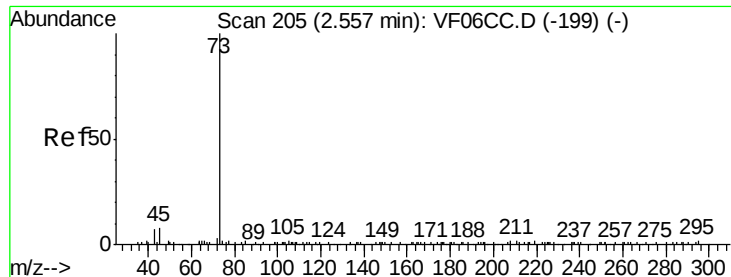
Tgt Ion: 43 Resp: 55152

Ion Ratio Lower Upper

43 100

74 22.0 22.1 33.1#





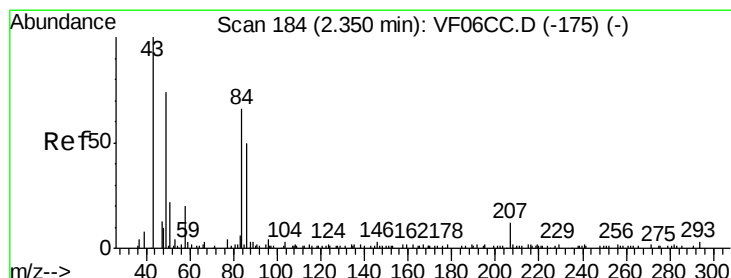
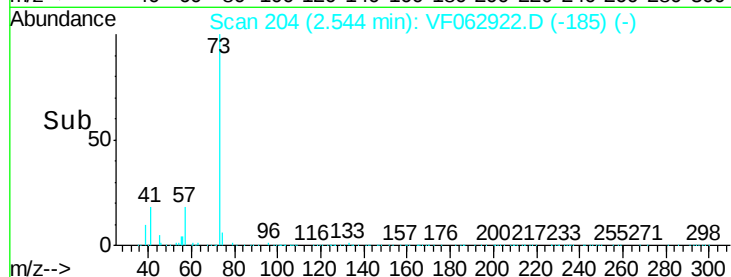
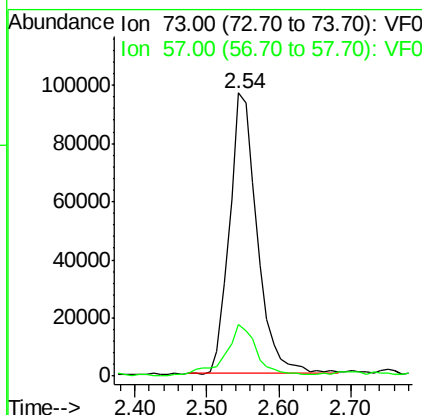
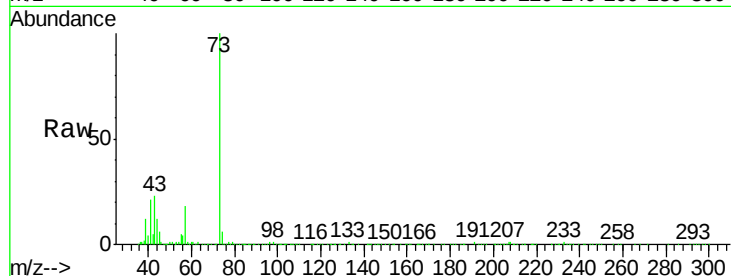
#19
Methvl tert-butvl Ether
Concen: 22.722 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.1	22.7

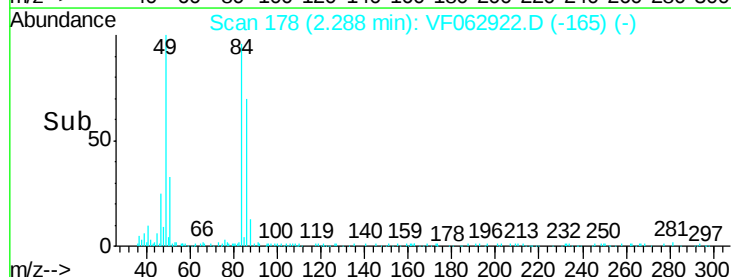
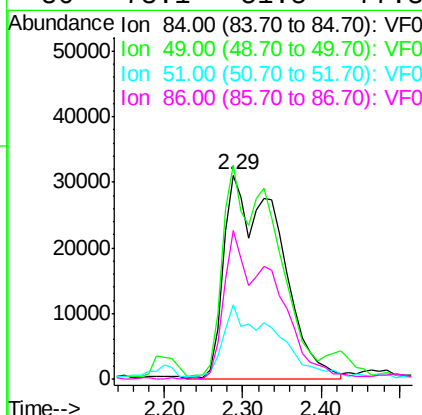
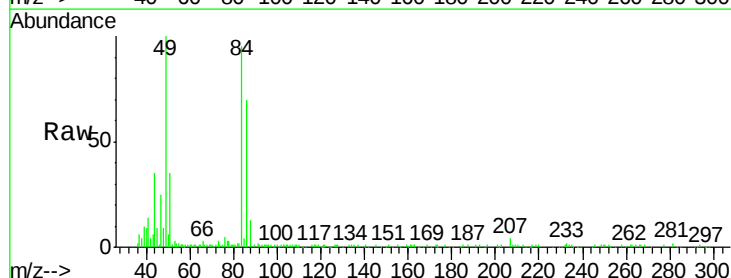
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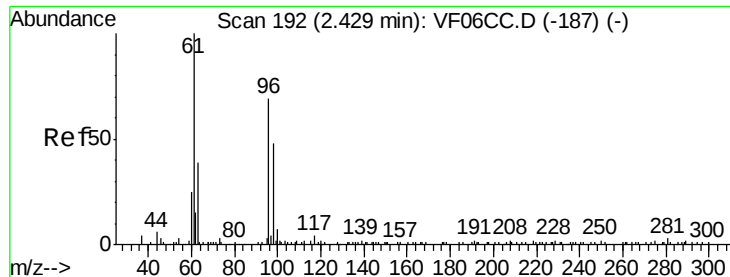
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#20
Methylene Chloride
Concen: 23.946 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.9	82.6	123.8
51	36.5	25.0	37.4
86	73.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.194 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

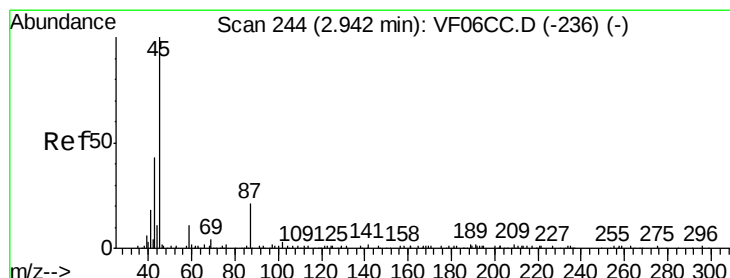
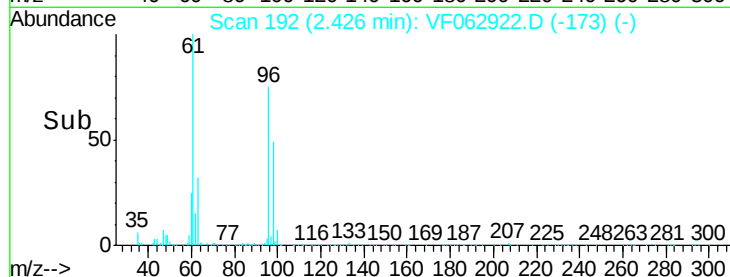
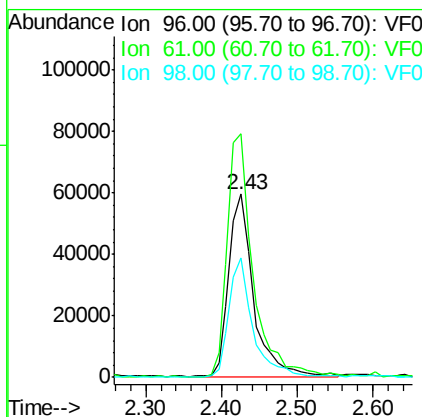
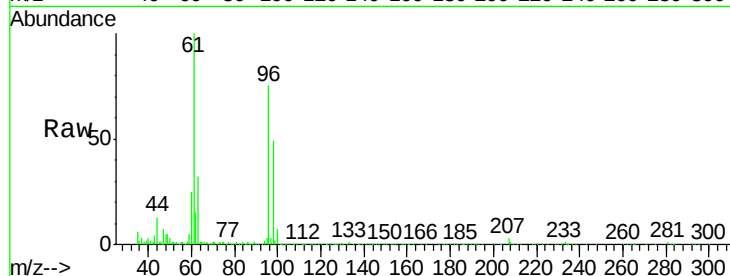
ClientSampleId :

VF0612SBS01

Tot Ion:	96	Resp:	133859
Ion	Ratio	Lower	Upper
96	100		
61	132.8	105.0	157.6
98	65.1	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.570 ug/l

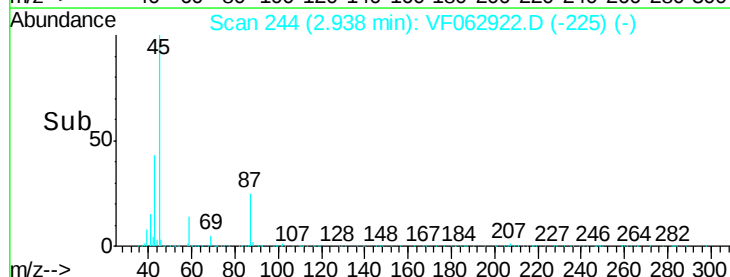
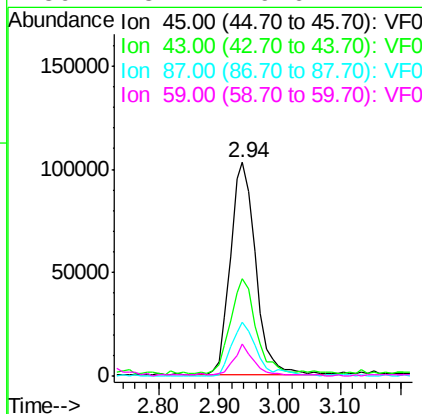
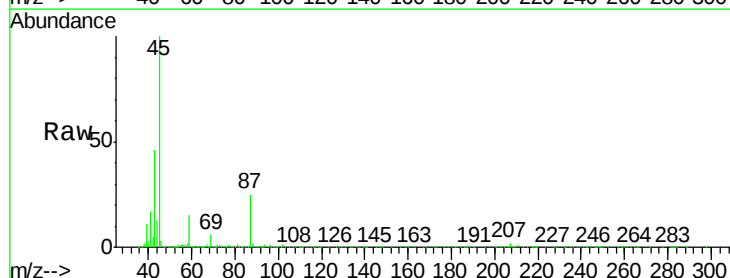
RT: 2.94 min Scan# 244

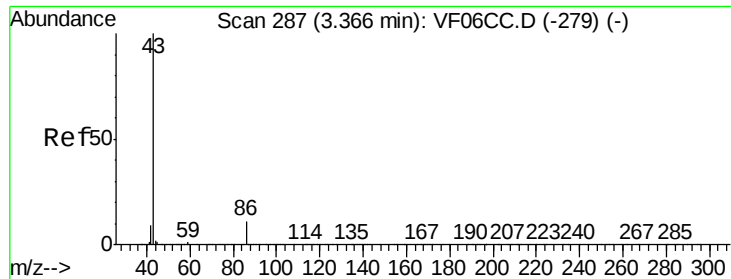
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	45	Resp:	299480
Ion	Ratio	Lower	Upper
45	100		
43	45.7	34.3	51.5
87	25.2	19.0	28.4
59	15.1	9.6	14.4#





#23

Vinyl Acetate

Concen: 118.729 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 43 Resp: 1128561

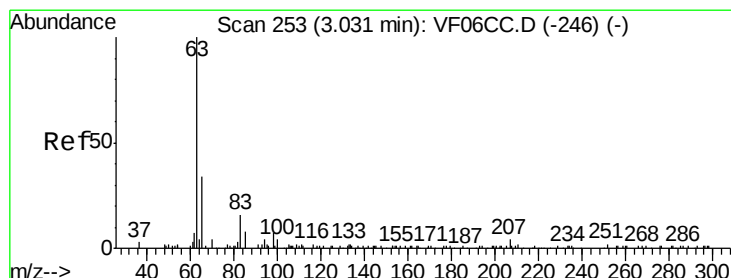
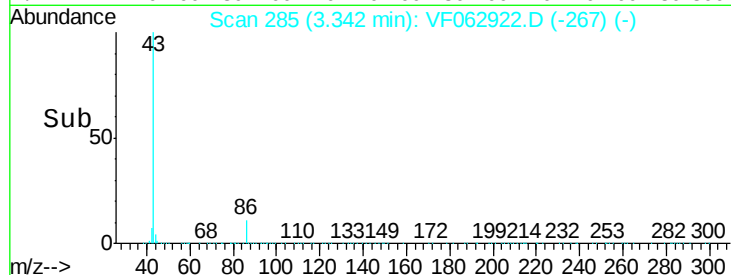
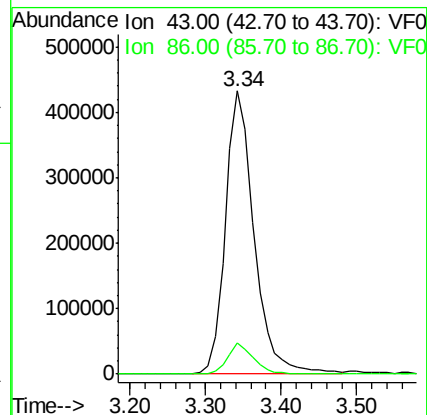
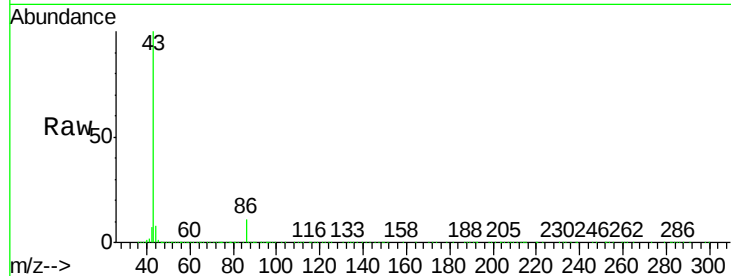
Ion Ratio Lower Upper

43 100

86 11.1 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 21.974 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

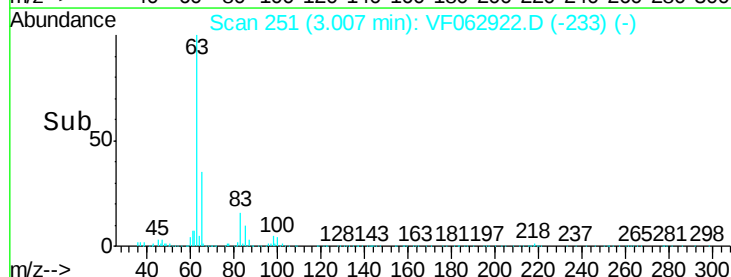
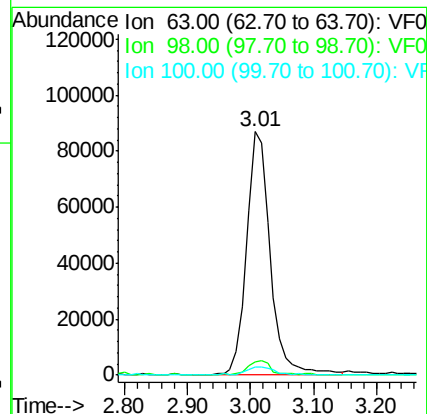
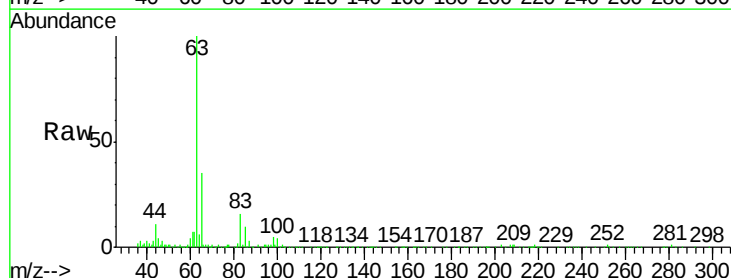
Tgt Ion: 63 Resp: 227793

Ion Ratio Lower Upper

63 100

98 5.3 2.4 7.1

100 3.6 1.5 4.5





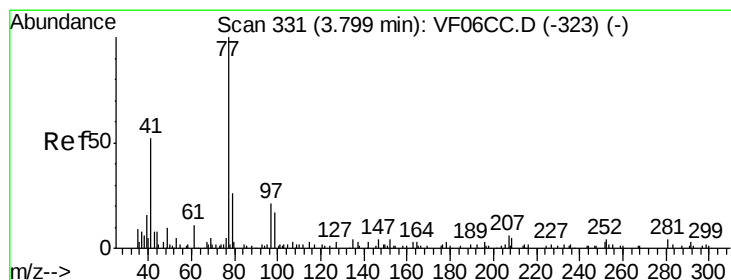
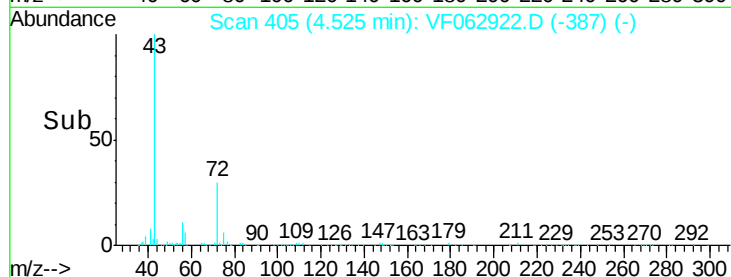
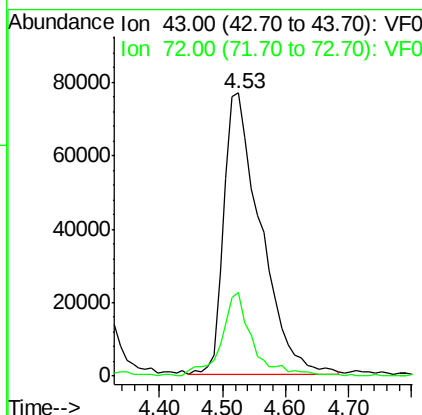
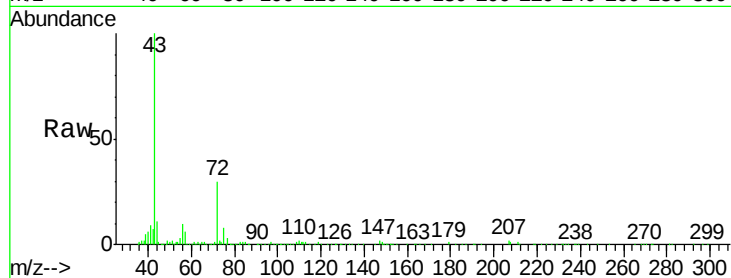
#25
2-Butanone
Concen: 111.330 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion: 43 Resp: 311050
Ion Ratio Lower Upper
43 100
72 29.6 21.4 32.0

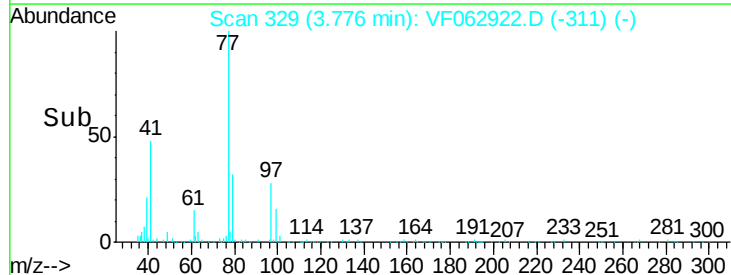
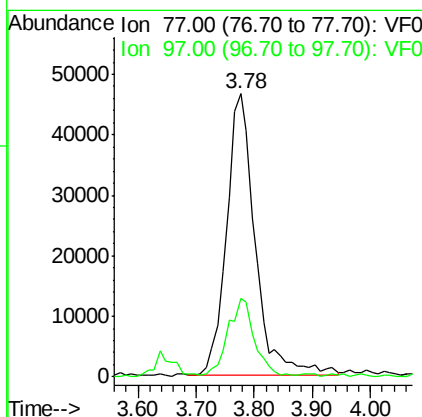
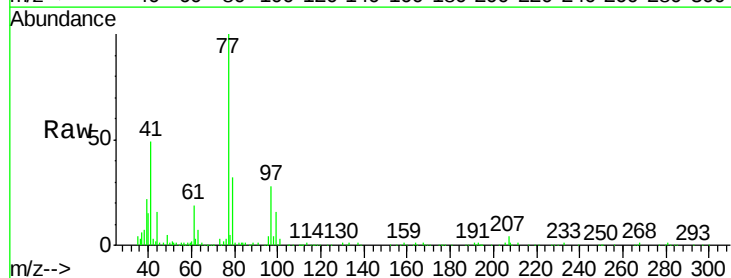
Manual Integrations
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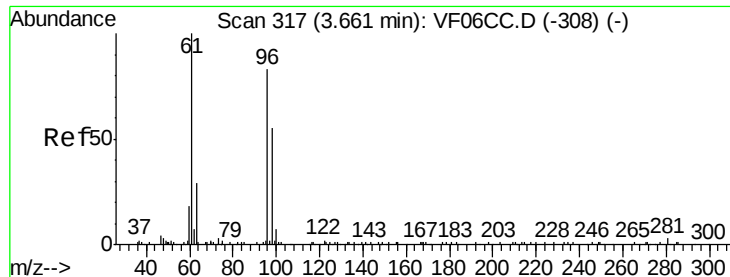
MMDadoda
6/13/2019 11:32:56 AM



#26
2,2-Dichloropropane
Concen: 27.015 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion: 77 Resp: 159013
Ion Ratio Lower Upper
77 100
97 27.7 12.4 37.4





#27

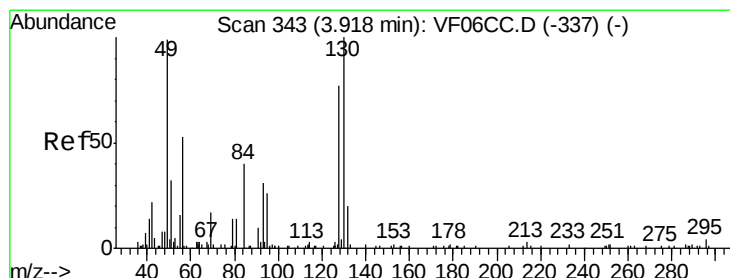
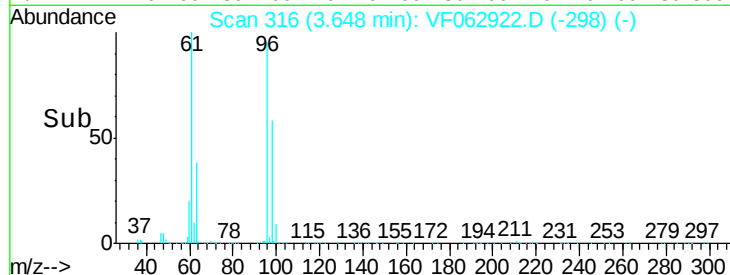
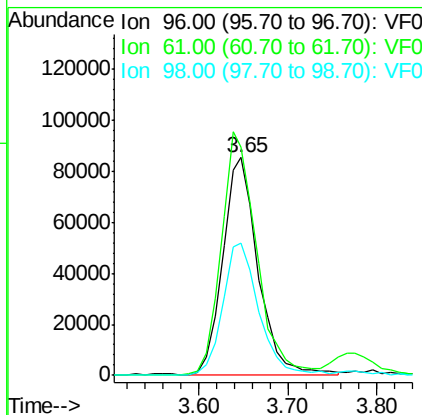
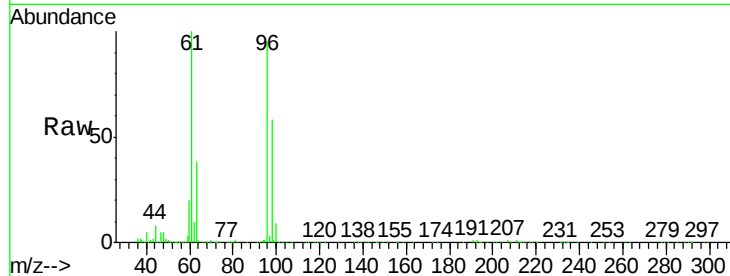
cis-1,2-Dichloroethene
Concen: 22.145 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	235111		
61	105.0	0.0	213.8	
98	60.7	0.0	127.0	

Manual Integrations
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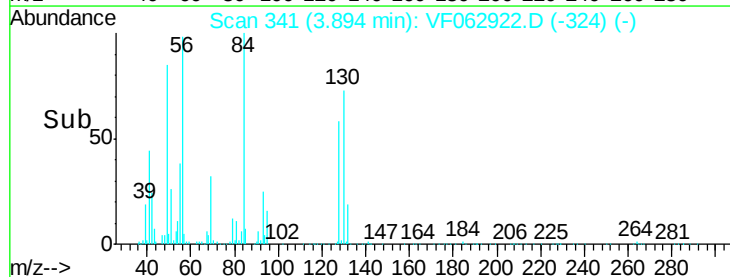
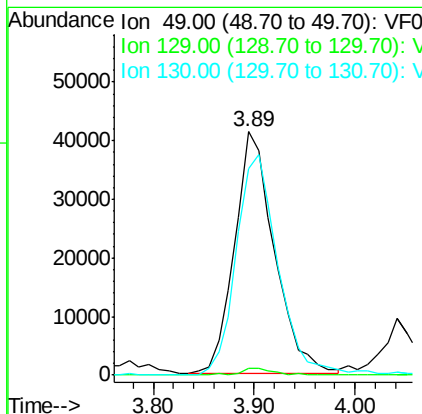
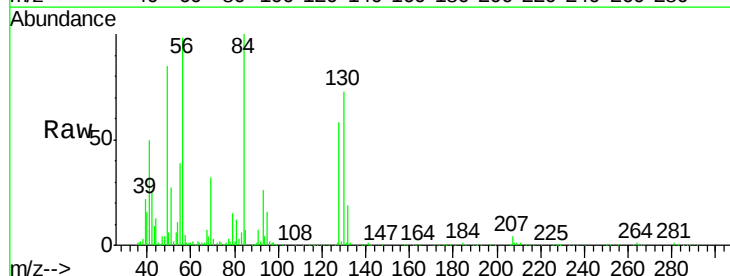
MMDadoda
6/13/2019 11:32:56 AM

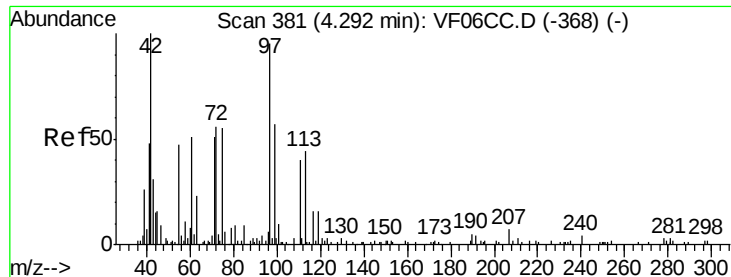


#28

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

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114408		
129	2.5	0.0	5.4	
130	85.0	79.2	118.8	





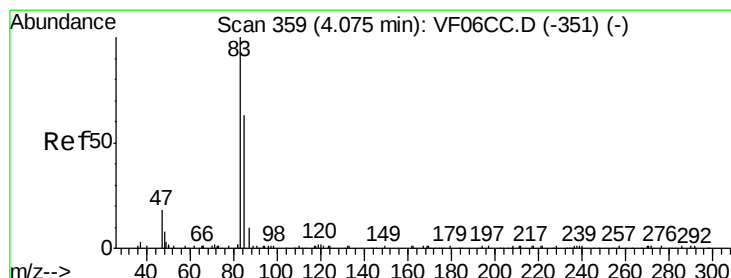
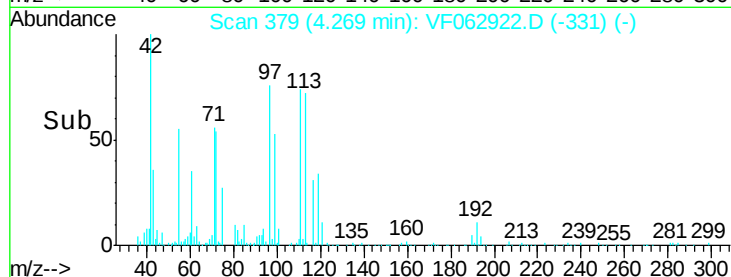
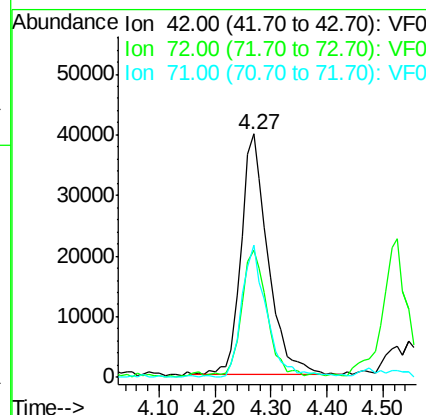
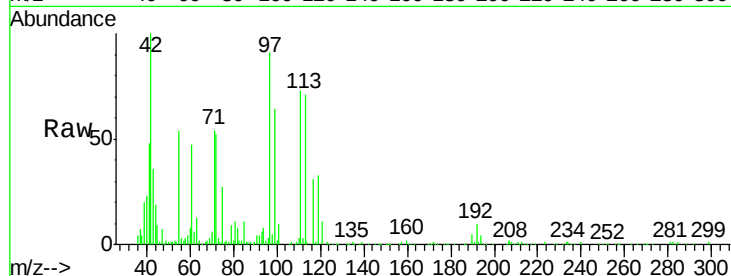
#29
Tetrahydrofuran
Concen: 123.966 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

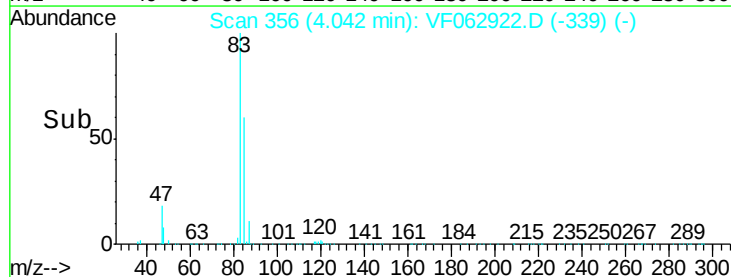
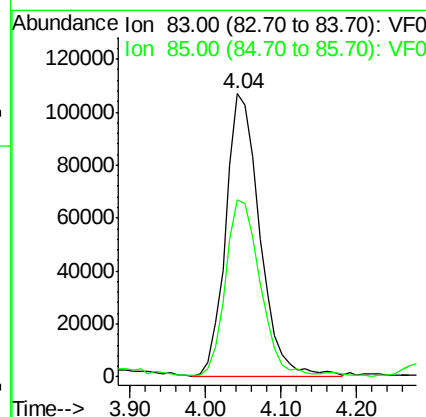
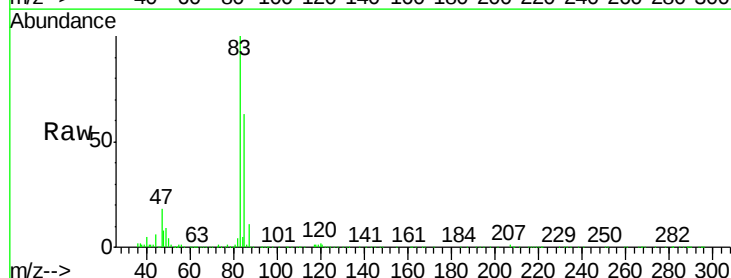
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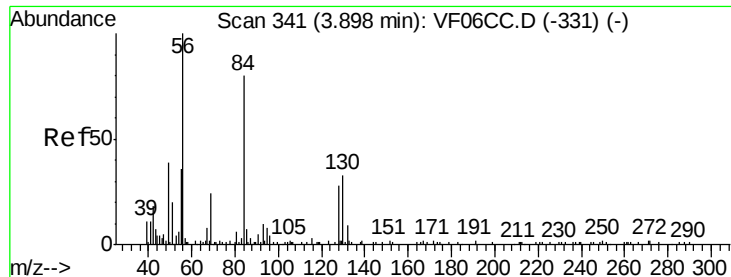
MMDadoda
6/13/2019 11:32:56 AM



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

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





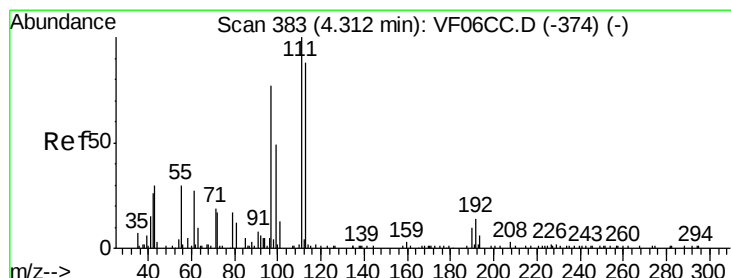
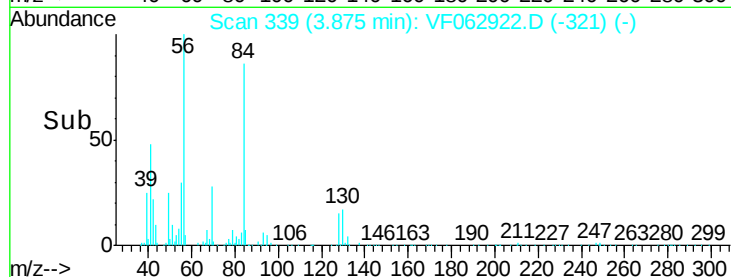
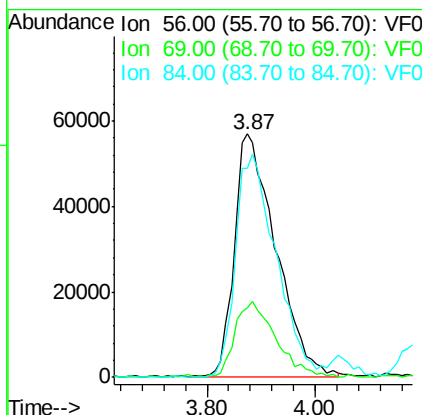
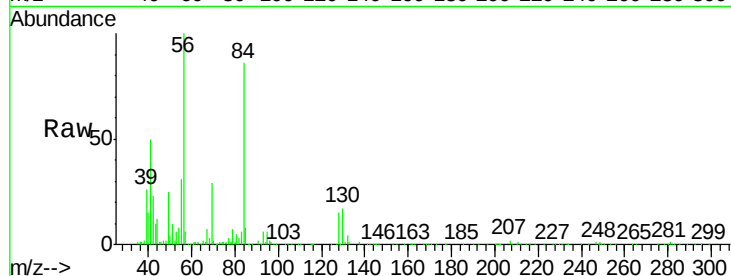
#31
Cyclohexane
Concen: 21.496 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

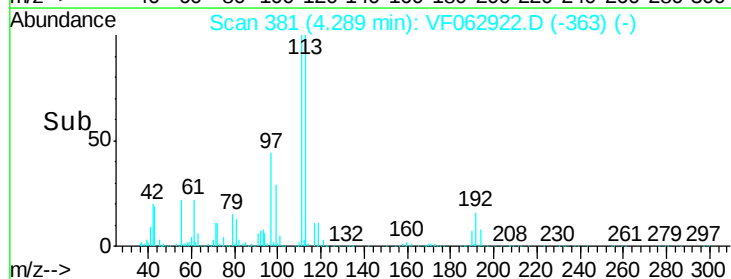
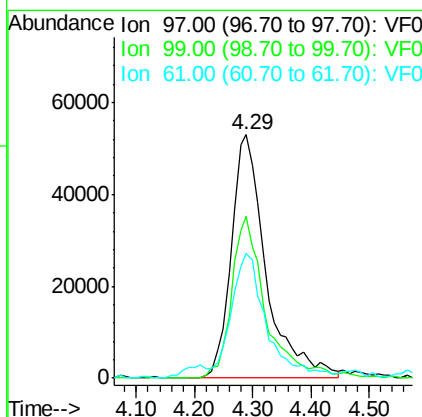
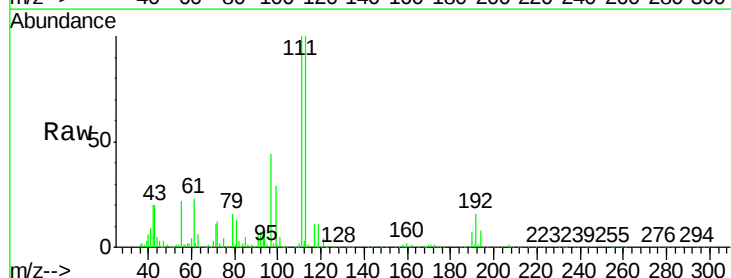
Manual Integrations
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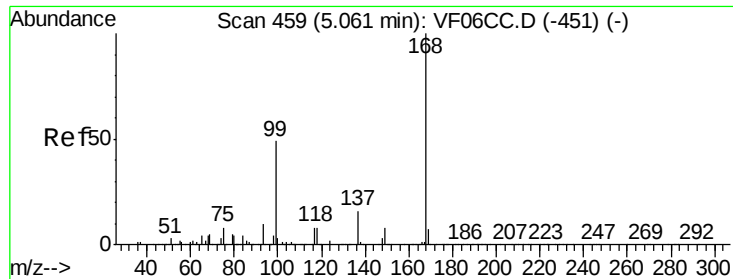
MMDadoda
6/13/2019 11:32:56 AM



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

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





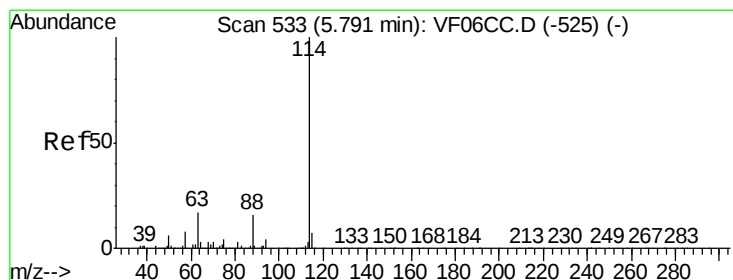
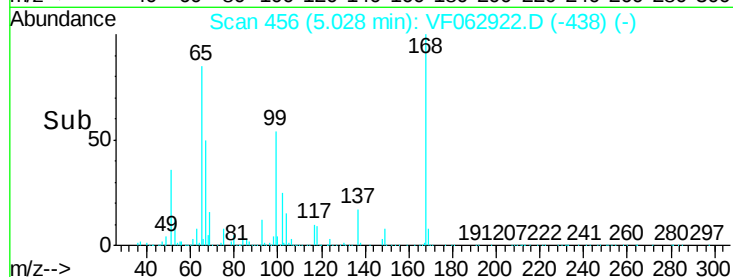
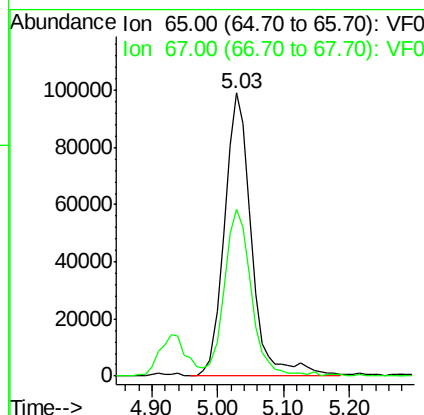
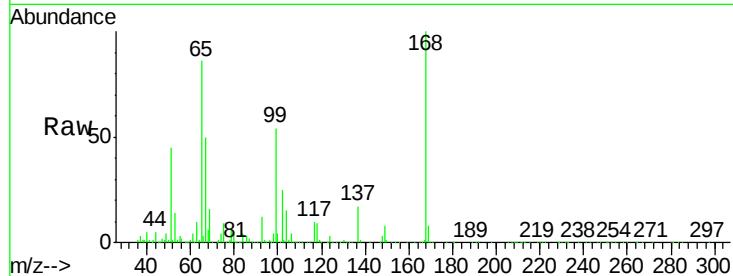
#33
 1,2-Dichloroethane-d4
 Concen: 54.004 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

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

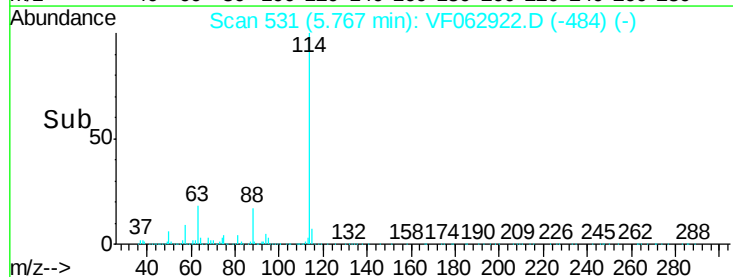
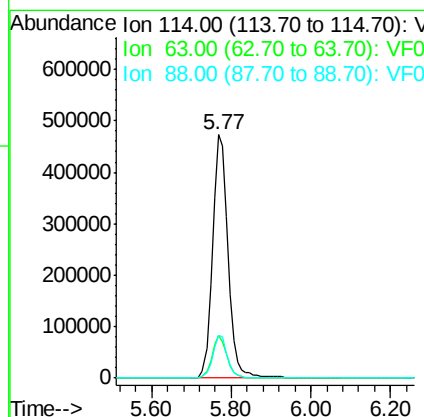
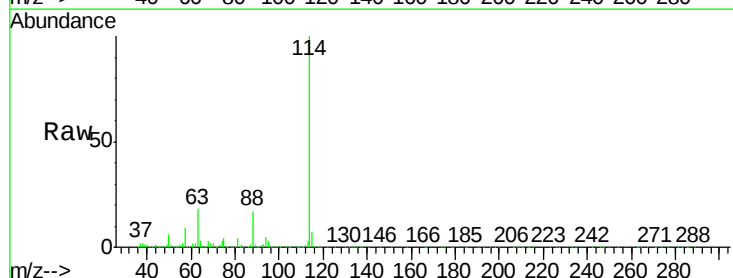
Manual Integrations
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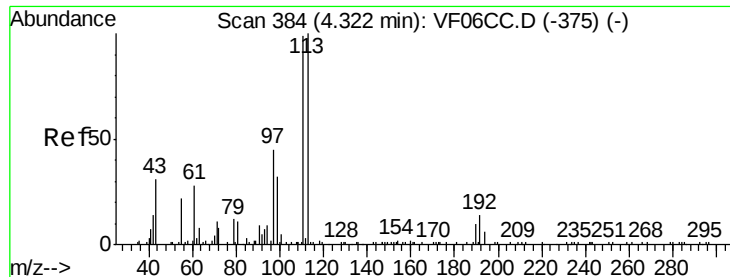
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 6/13/2019 11:32:56 AM



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

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





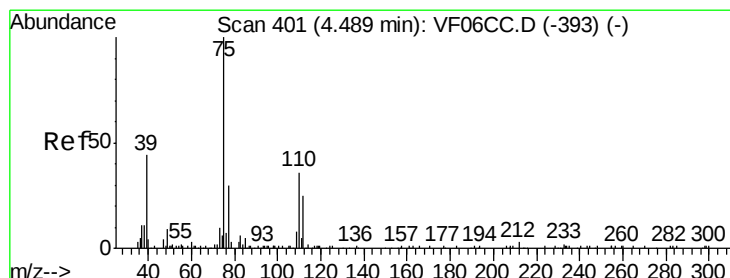
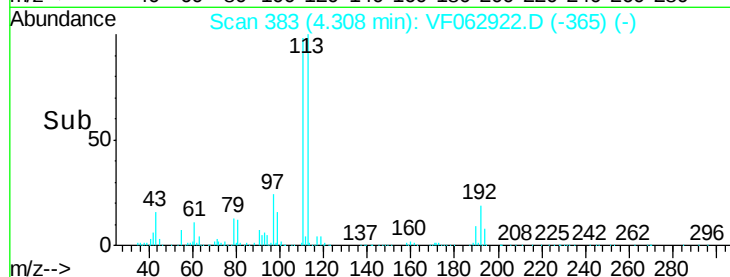
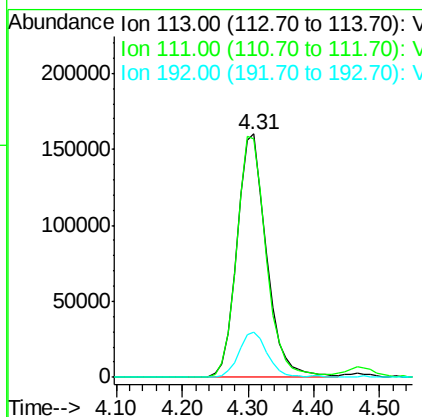
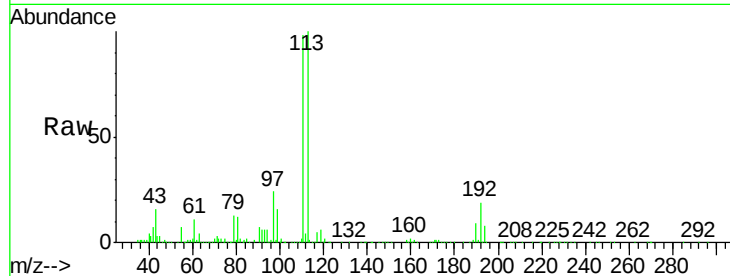
#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

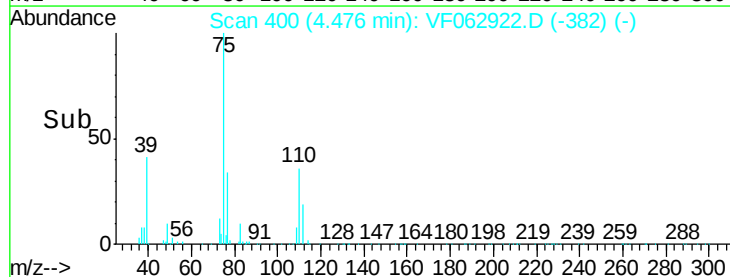
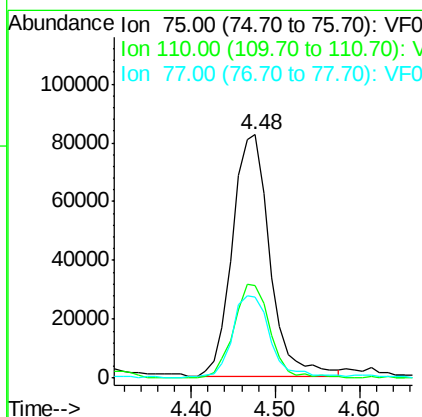
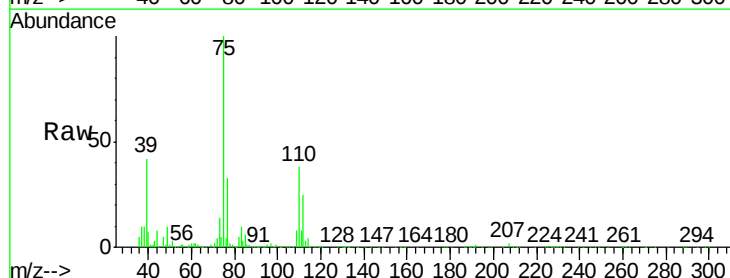
Manual Integrations
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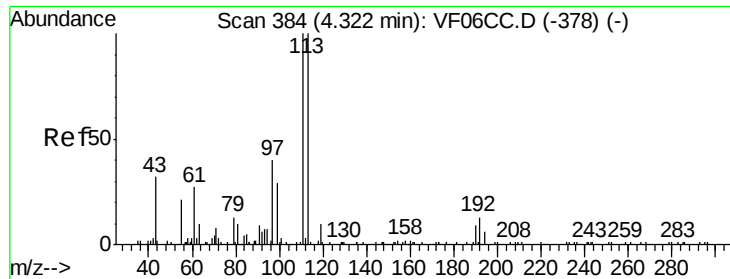
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6/13/2019 11:32:56 AM



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

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





#37

Ethyl Acetate

Concen: 24.851 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

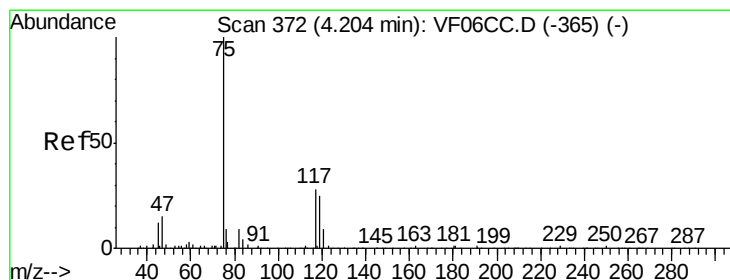
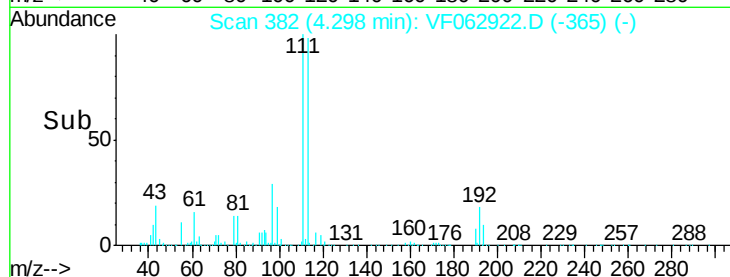
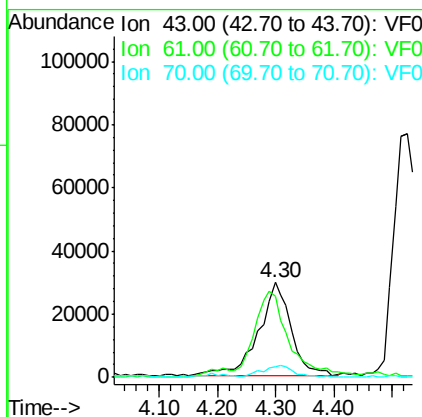
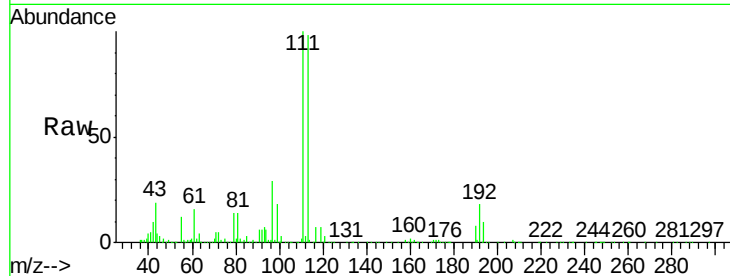
ClientSampleId :

VF0612SBS01

Tot Ion:	43	Resp:	113633
Ion	Ratio	Lower	Upper
43	100		
61	86.0	59.1	88.7
70	10.8	10.1	15.1

Manual Integrations
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MMDadoda
6/13/2019 11:32:56 AM



#38

Carbon Tetrachloride

Concen: 24.877 ug/l

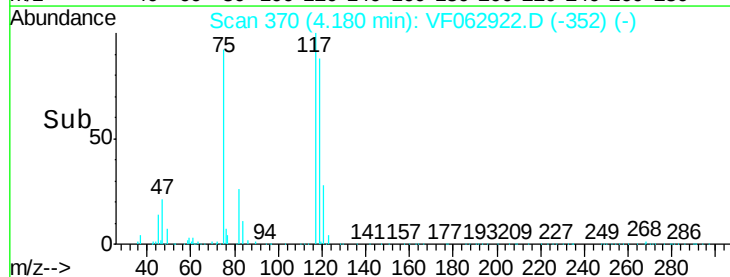
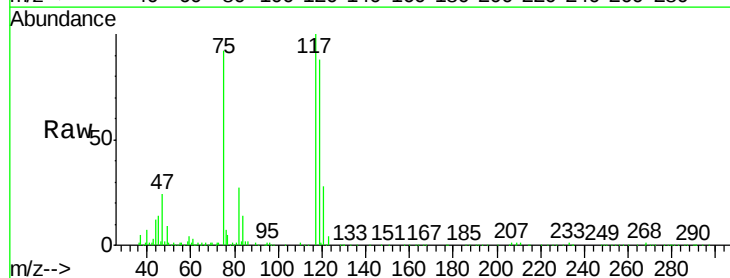
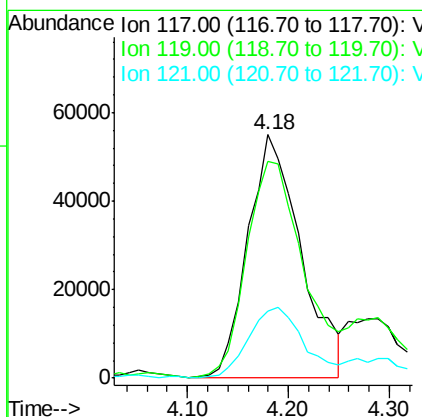
RT: 4.18 min Scan# 370

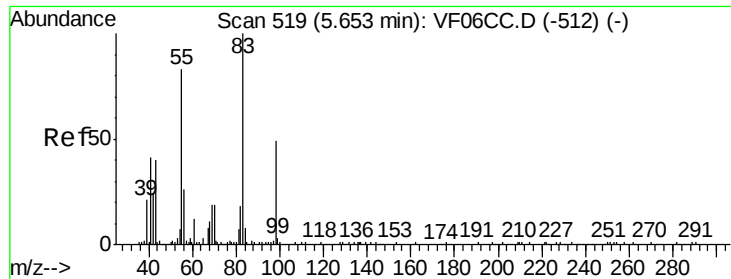
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	117	Resp:	201111
Ion	Ratio	Lower	Upper
117	100		
119	89.1	78.2	117.2
121	27.5	28.2	42.2#





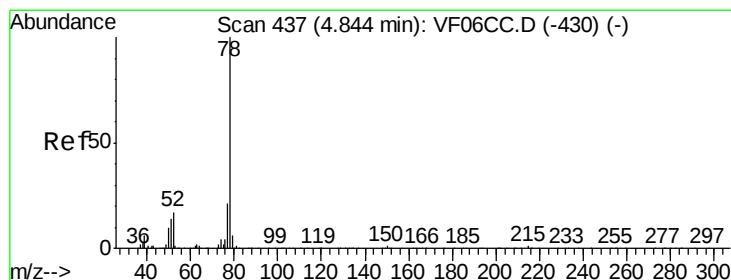
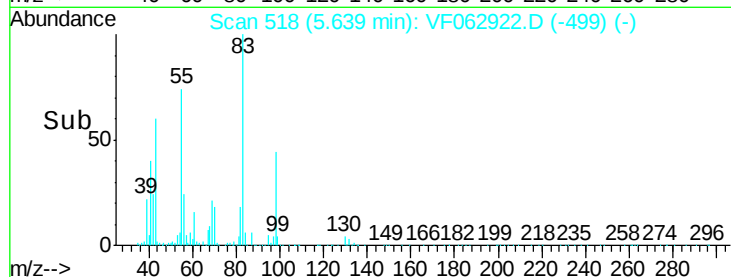
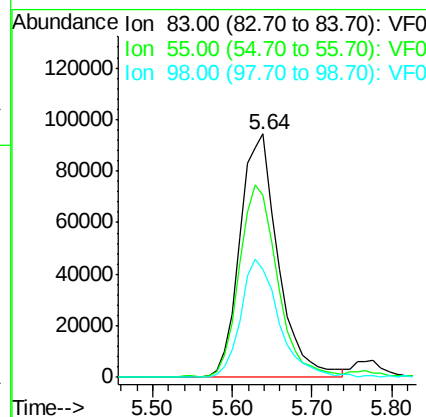
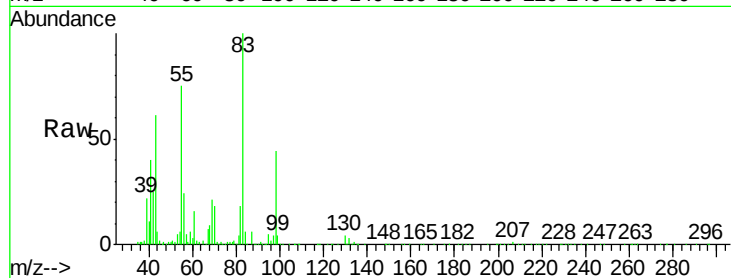
#39
Methylcyclohexane
Concen: 21.133 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

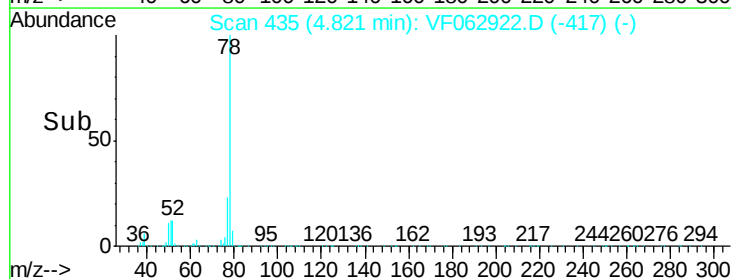
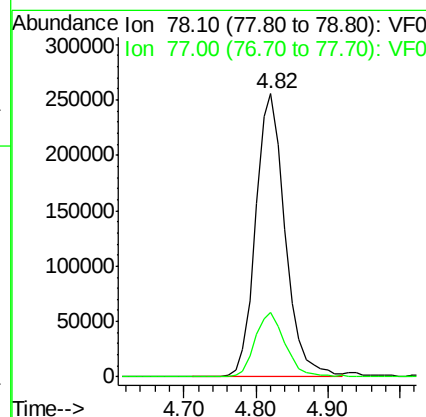
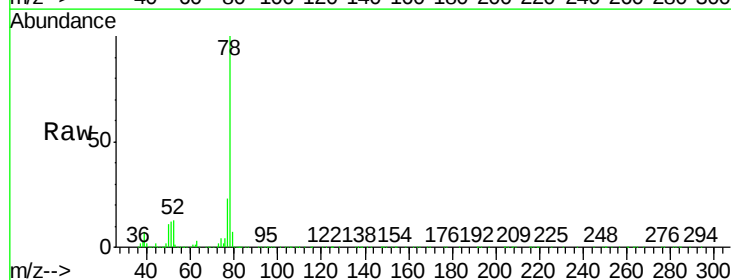
Manual Integrations
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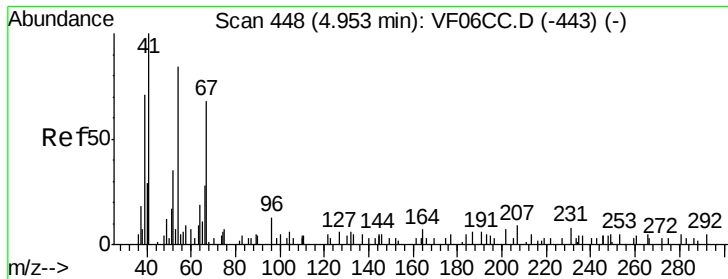
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#40
Benzene
Concen: 21.045 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

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





#41

Methacrylonitrile

Concen: 23.267 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.03 min

Lab File: VF062922.D

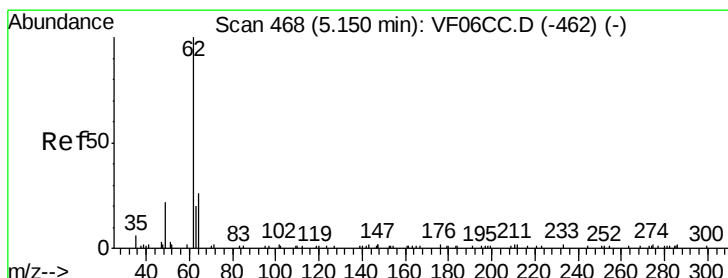
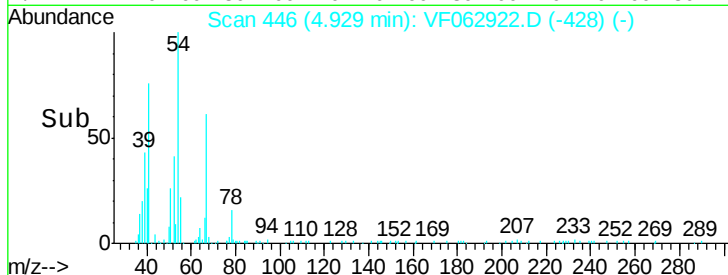
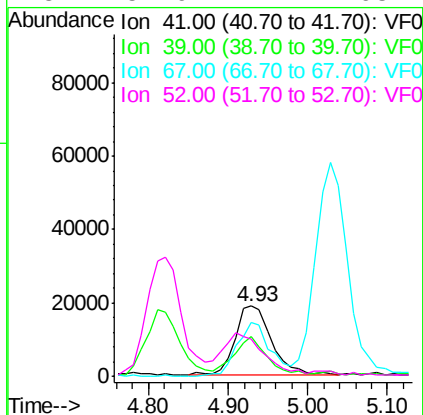
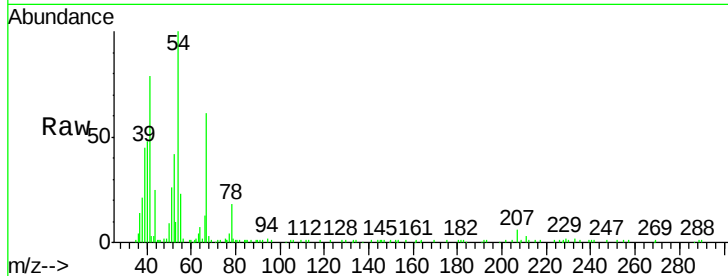
Acq: 12 Jun 2019 12:45

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

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Manual Integrations
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6/13/2019 11:32:56 AM



#42

1,2-Dichloroethane

Concen: 20.202 ug/l

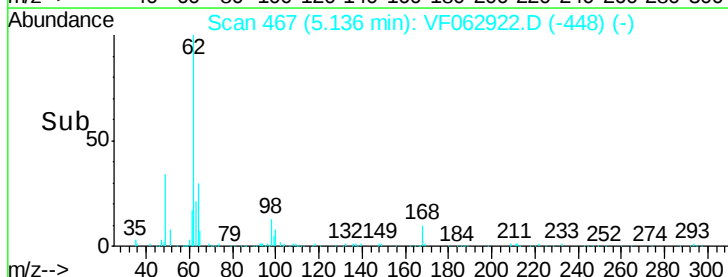
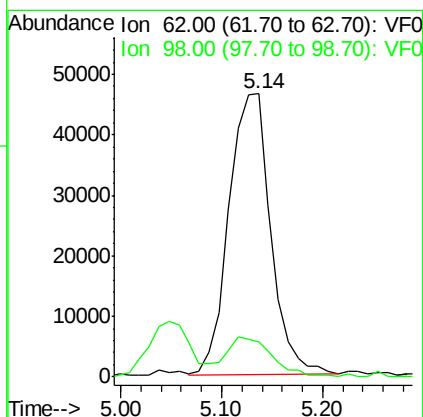
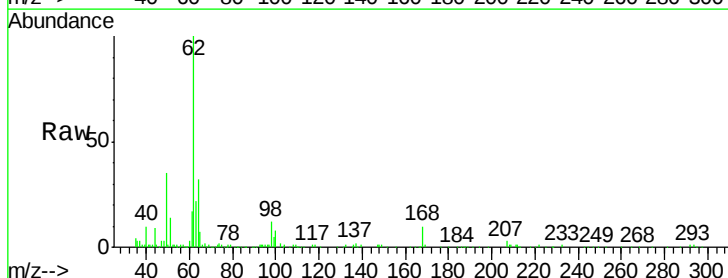
RT: 5.14 min Scan# 467

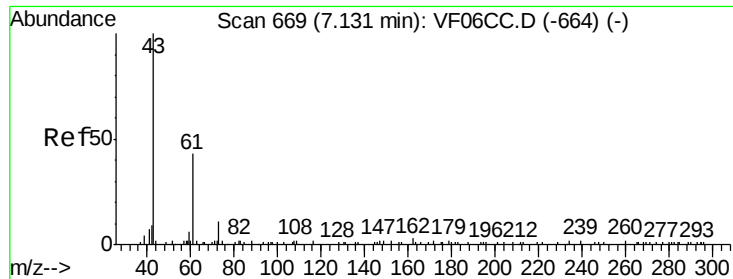
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.4	0.0	24.0





#43

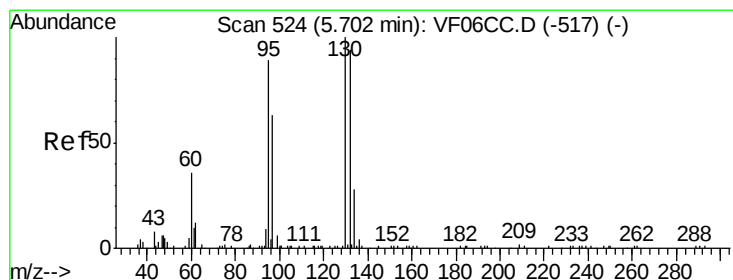
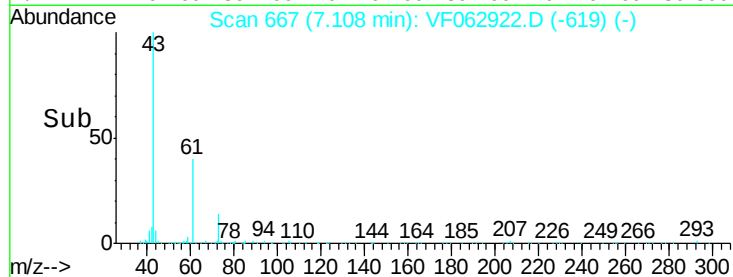
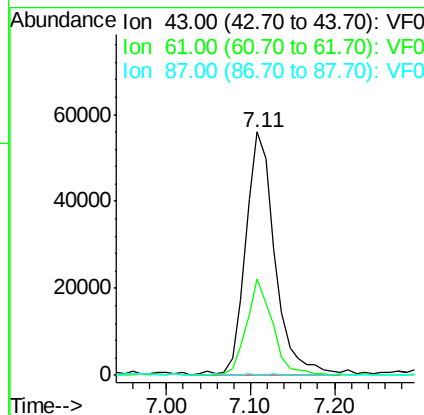
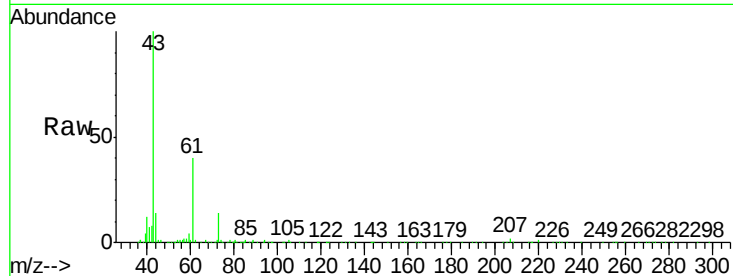
Isopropyl Acetate
 Concen: 22.615 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.5	29.8	44.6
87	0.3	0.3	0.5

Manual Integrations
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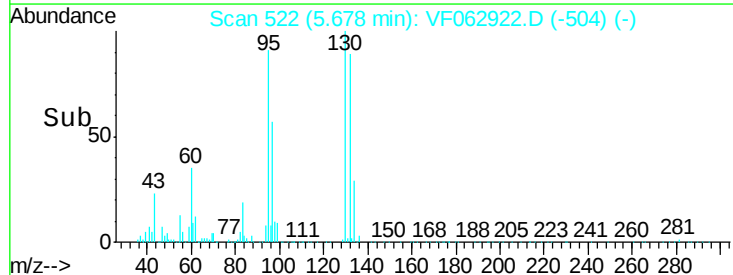
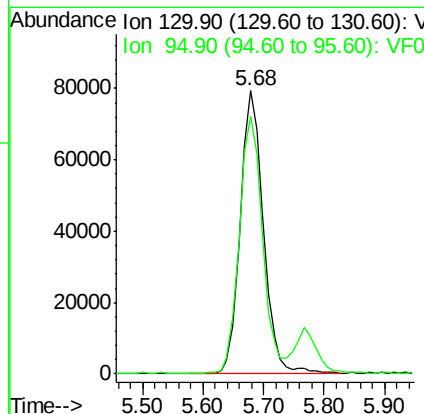
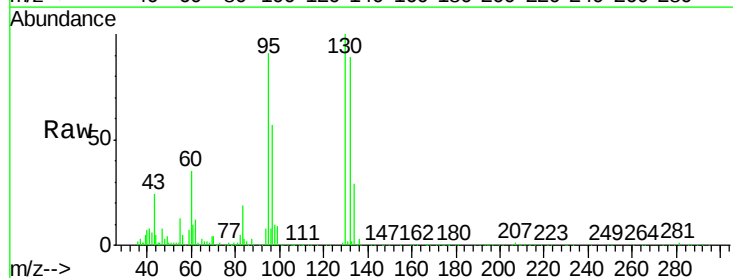
MMDadoda
 6/13/2019 11:32:56 AM

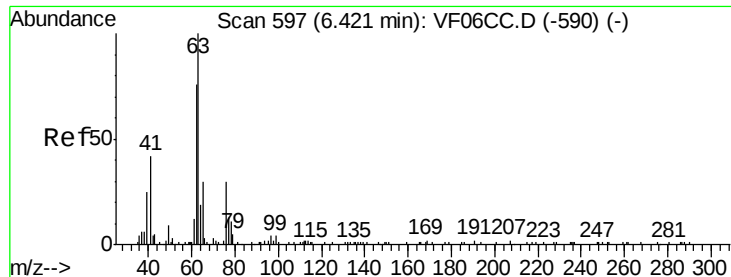


#44

Trichloroethene
 Concen: 21.577 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.069 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 63 Resp: 184067

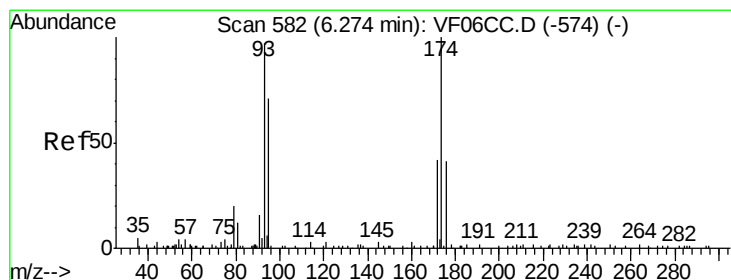
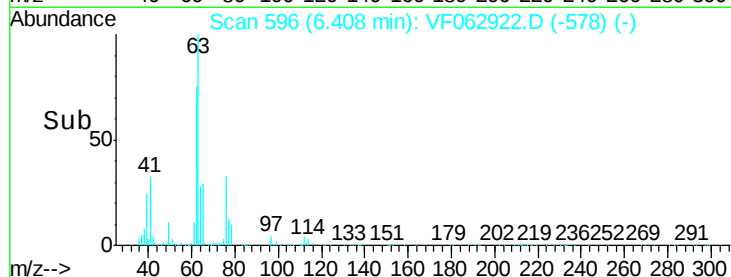
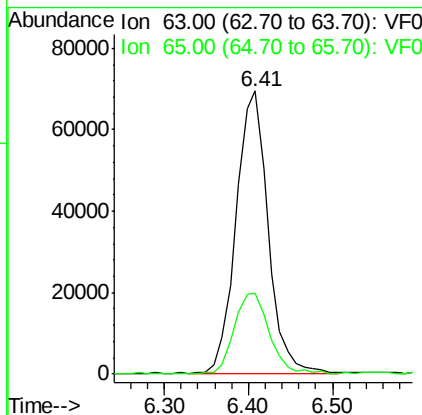
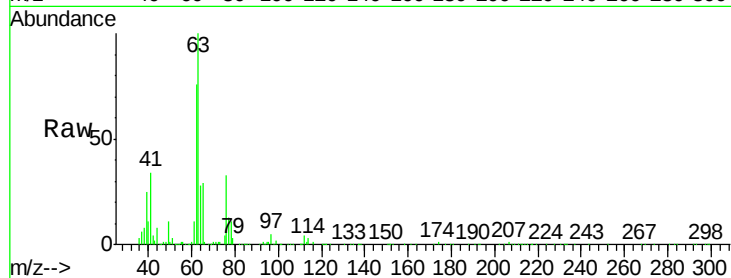
Ion Ratio Lower Upper

63 100

65 28.8 24.2 36.2

Manual Integrations
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#46

Dibromomethane

Concen: 22.461 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

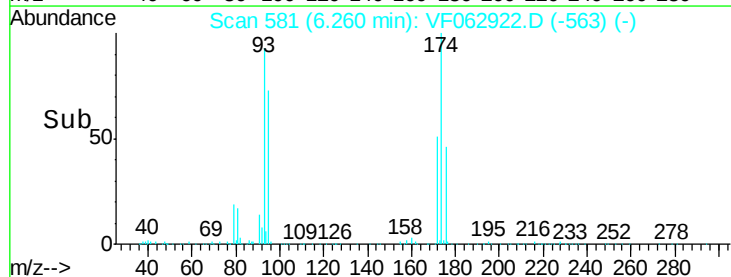
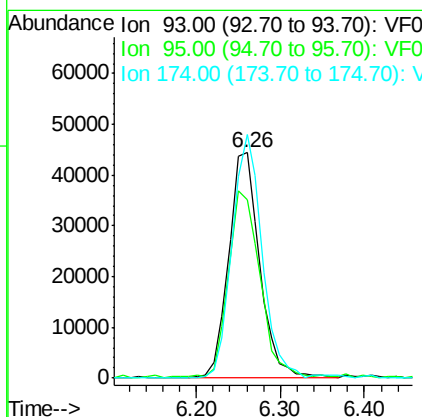
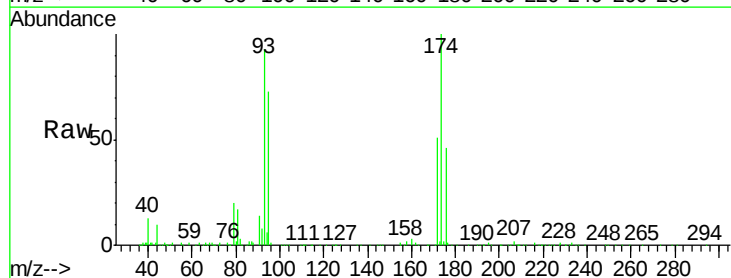
Tgt Ion: 93 Resp: 114566

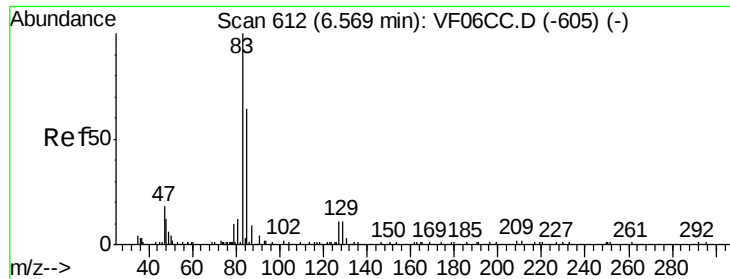
Ion Ratio Lower Upper

93 100

95 79.2 67.9 101.9

174 110.0 85.0 127.4





#47

Bromodichloromethane

Concen: 21.251 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

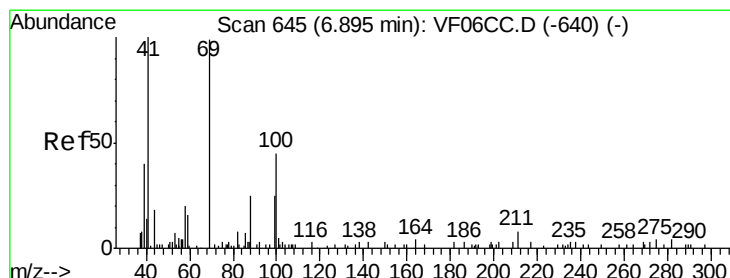
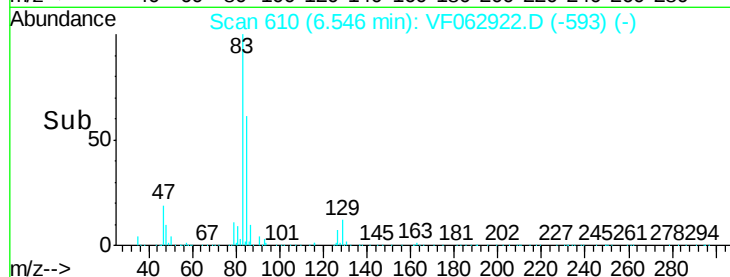
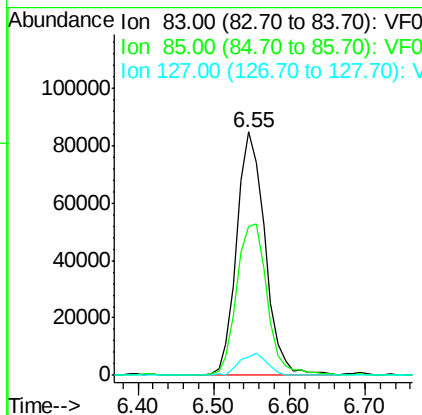
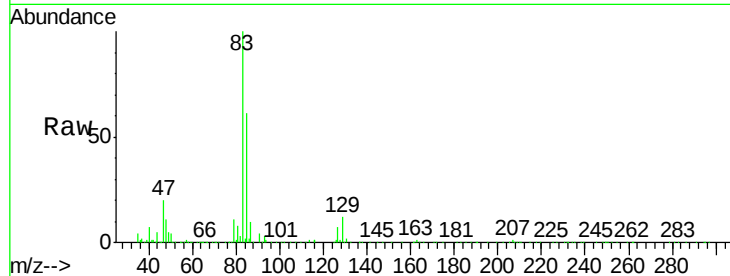
ClientSampleId :

VF0612SBS01

Tot Ion:	83	Resp:	220745
Ion Ratio	Lower	Upper	
83	100		
85	61.3	54.2	81.4
127	8.3	7.0	10.4

Manual Integrations
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6/13/2019 11:32:56 AM



#48

Methyl methacrylate

Concen: 20.788 ug/l

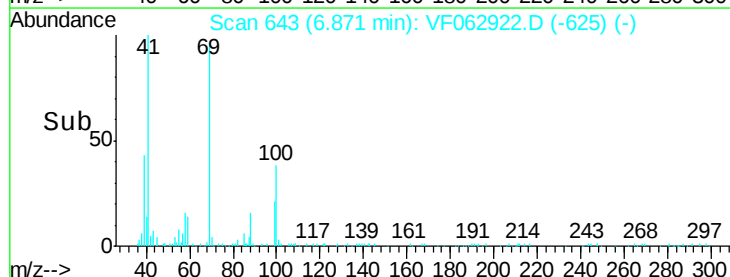
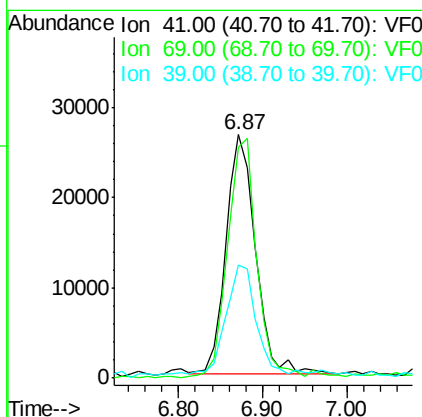
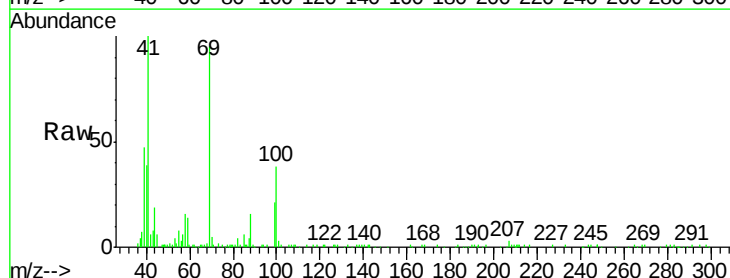
RT: 6.87 min Scan# 643

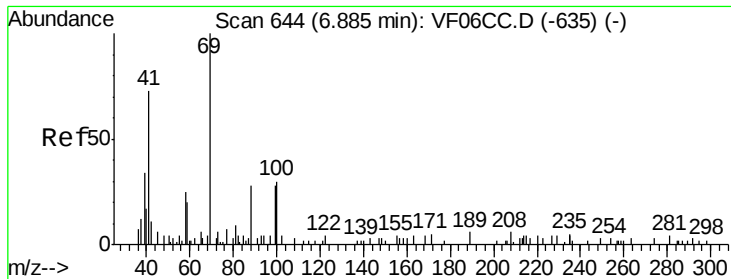
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	41	Resp:	64713
Ion Ratio	Lower	Upper	
41	100		
69	94.6	79.4	119.2
39	46.7	39.8	59.6





#49

1,4-Dioxane

Concen: 401.162 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

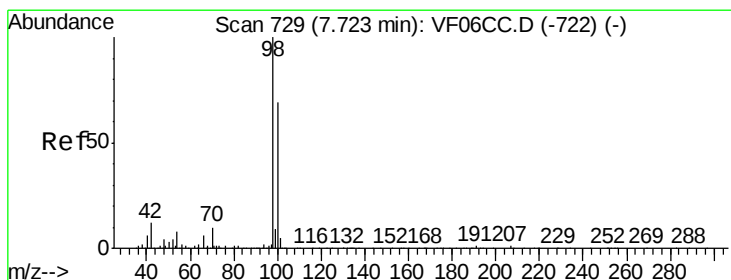
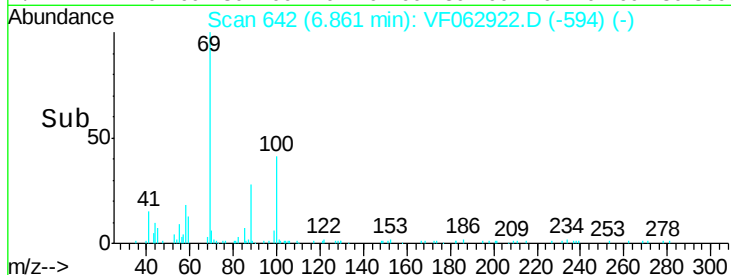
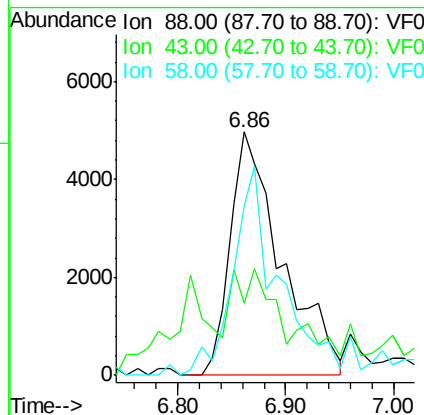
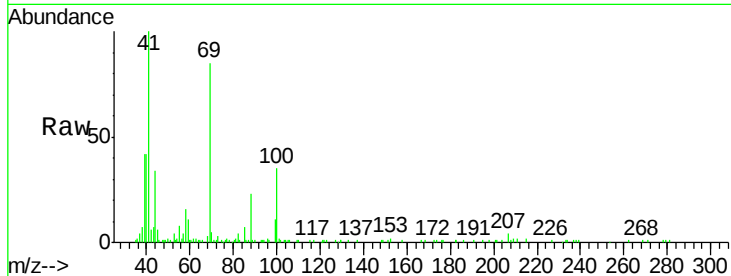
ClientSampleId :

VF0612SBS01

Tot Ion:	88	Resp:	16461
Ion Ratio	Lower	Upper	
88	100		
43	29.6	34.8	52.2#
58	69.4	59.9	89.9

Manual Integrations
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#50

Toluene-d8

Concen: 47.749 ug/l

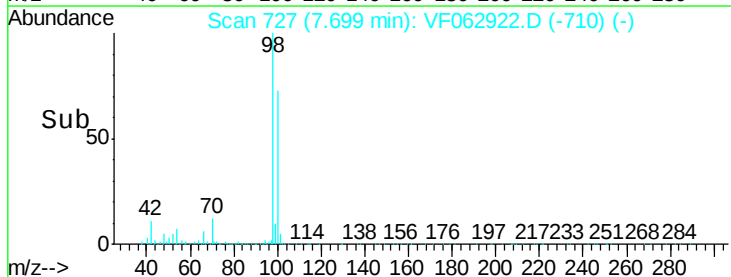
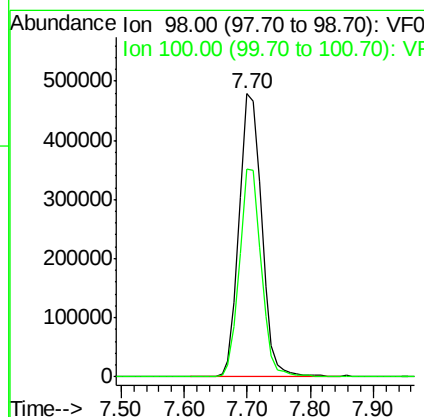
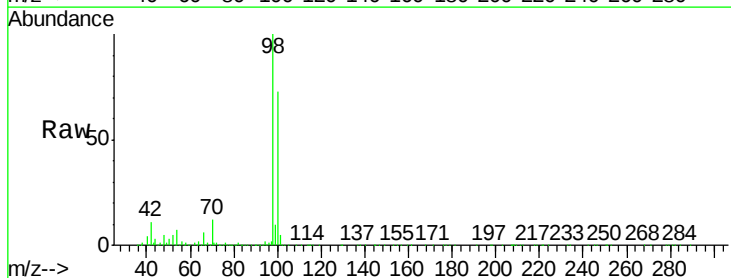
RT: 7.70 min Scan# 727

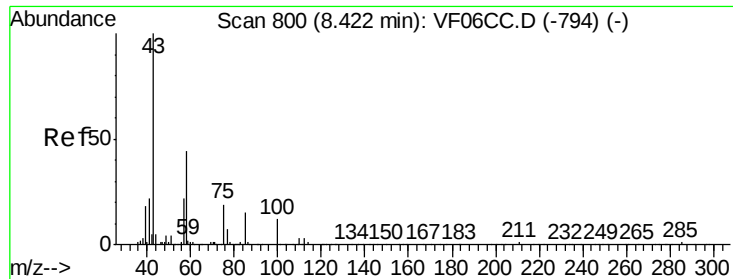
Delta R.T. -0.04 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	98	Resp:	1185561
Ion Ratio	Lower	Upper	
98	100		
100	73.3	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 119.242 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 43 Resp: 514235

Ion Ratio Lower Upper

43 100

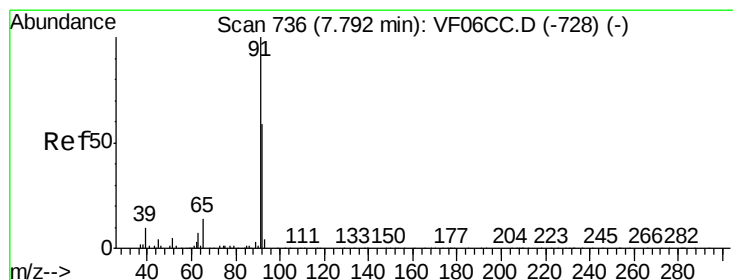
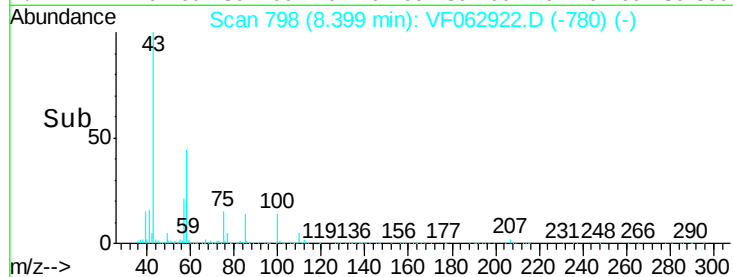
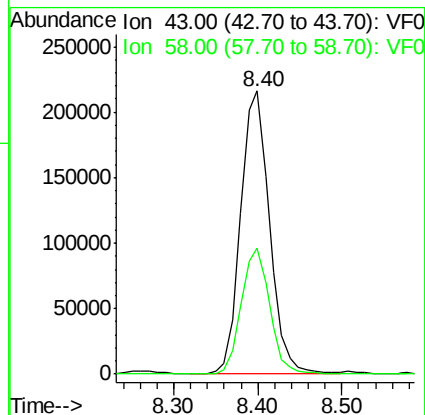
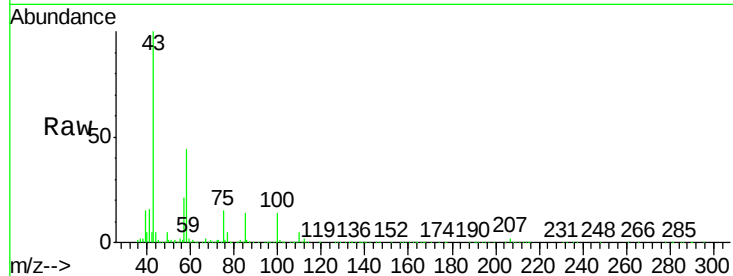
58 44.4 35.5 53.3

Manual Integrations

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#52

Toluene

Concen: 20.561 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.03 min

Lab File: VF062922.D

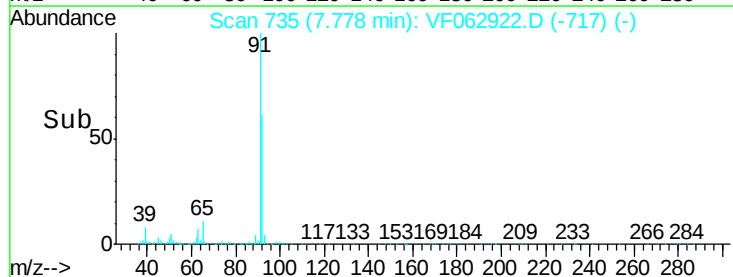
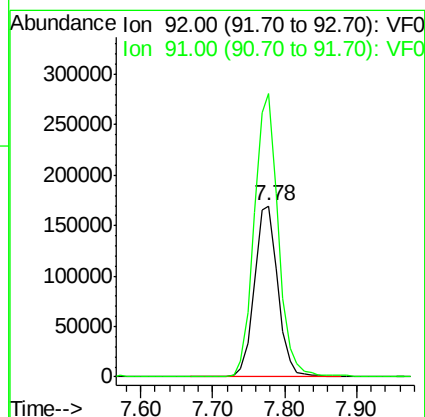
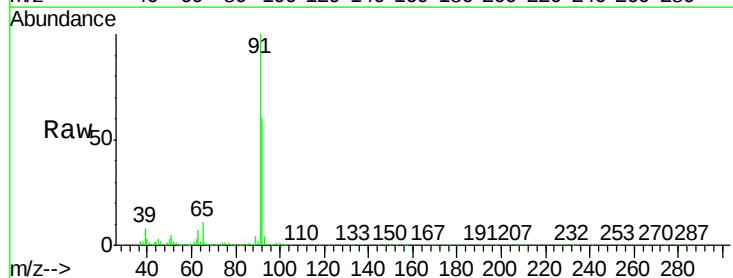
Acq: 12 Jun 2019 12:45

Tgt Ion: 92 Resp: 385542

Ion Ratio Lower Upper

92 100

91 165.5 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 22.142 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tot Ion: 75 Resp: 190597

Ion Ratio Lower Upper

75 100

77 34.1 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

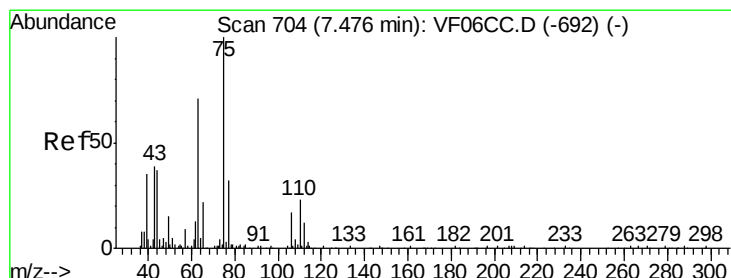
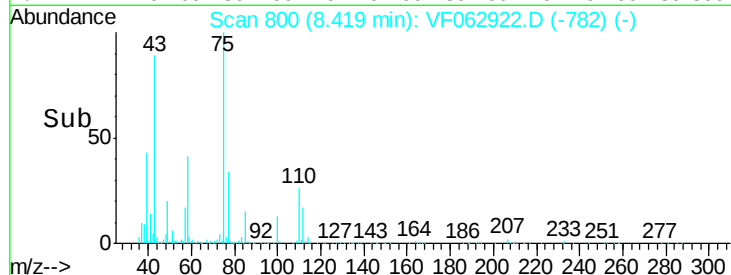
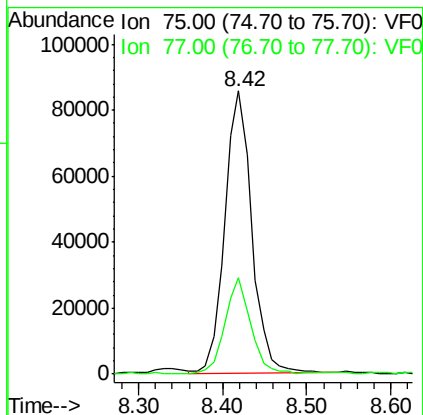
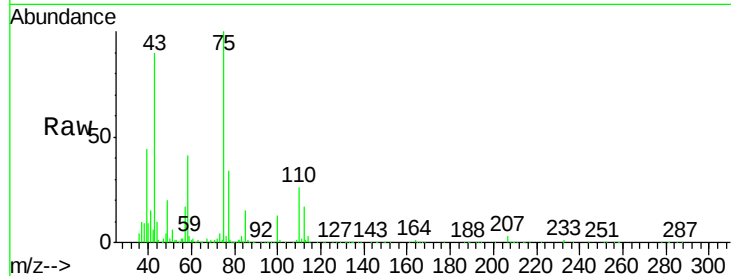
VF0612SBS01

Manual Integrations

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6/13/2019 11:32:56 AM



#54

cis-1,3-Dichloropropene

Concen: 20.958 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

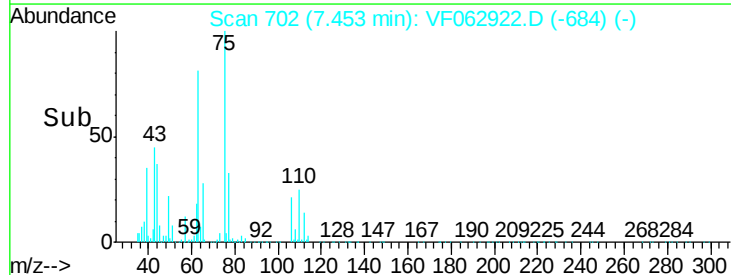
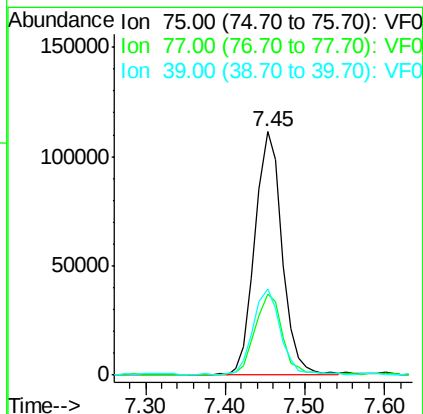
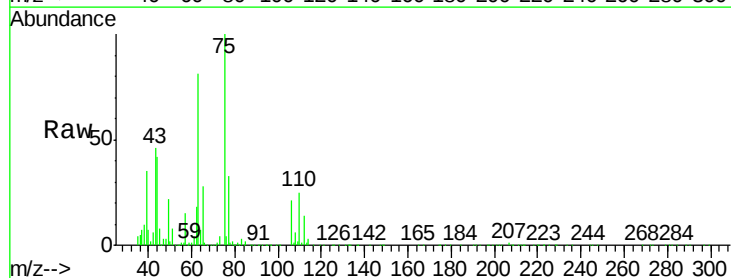
Tgt Ion: 75 Resp: 261133

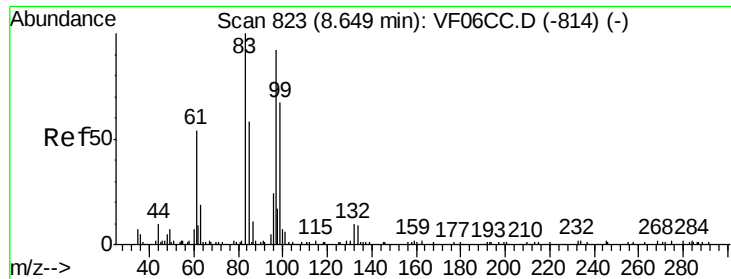
Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8

39 35.2 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.340 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

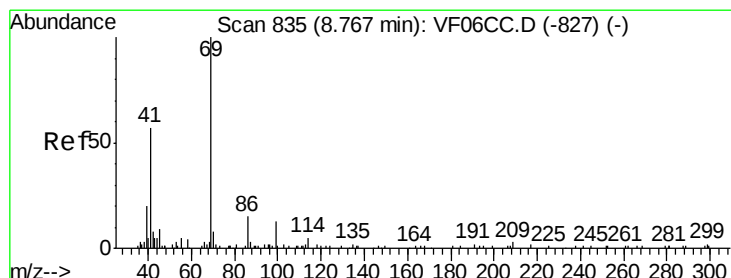
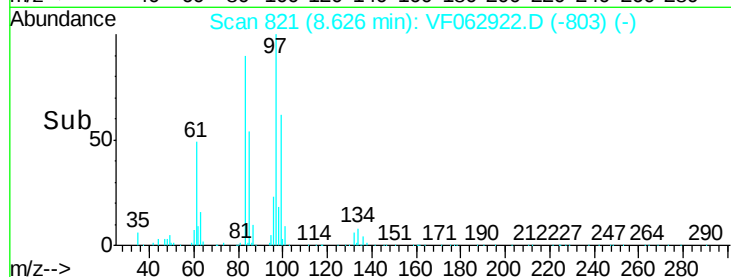
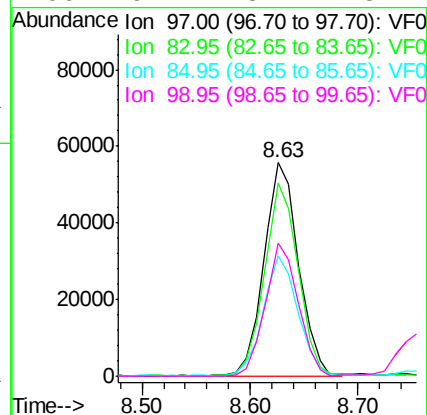
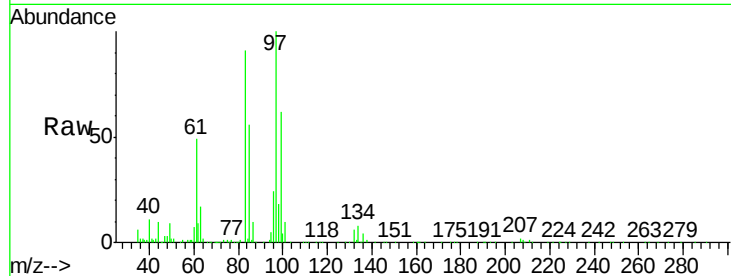
ClientSampleId :

VF0612SBS01

Tot Ion:	97	Resp:	125146
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.0	108.0
85	56.3	47.5	71.3
99	62.2	54.1	81.1

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#56

Ethyl methacrylate

Concen: 23.131 ug/l

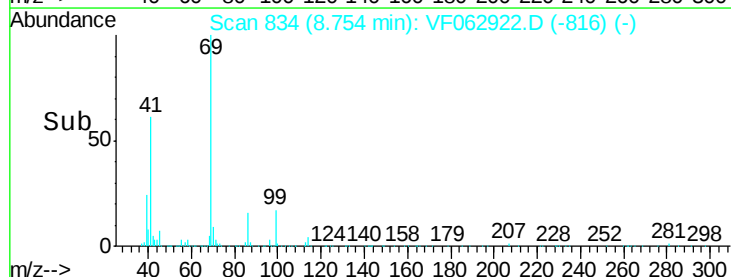
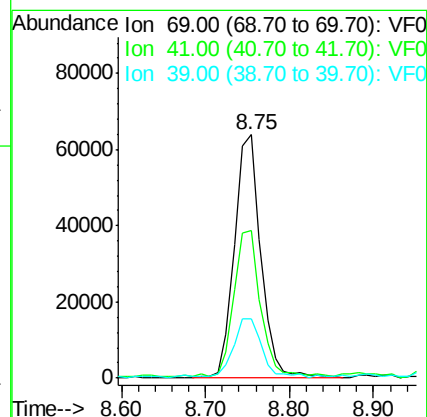
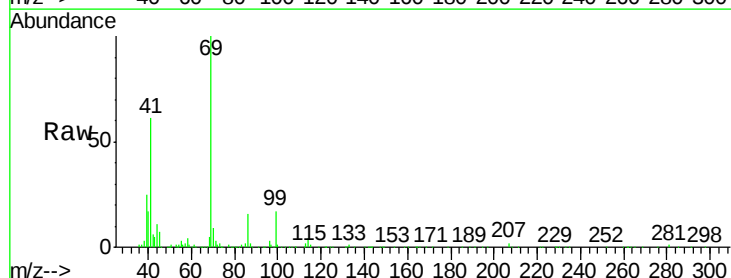
RT: 8.75 min Scan# 834

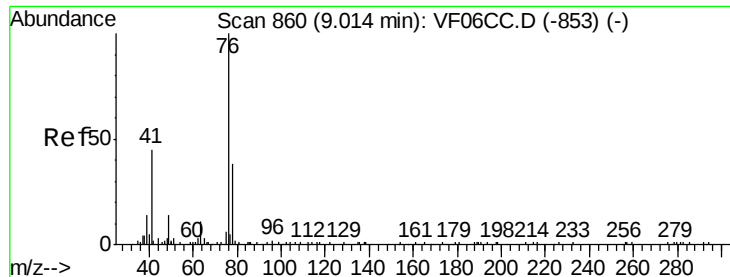
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	69	Resp:	139028
Ion	Ratio	Lower	Upper
69	100		
41	60.8	46.6	69.8
39	24.5	19.6	29.4





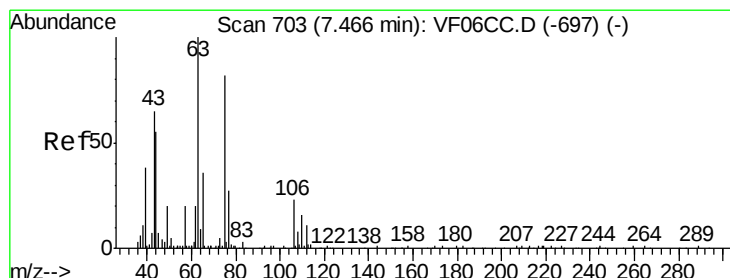
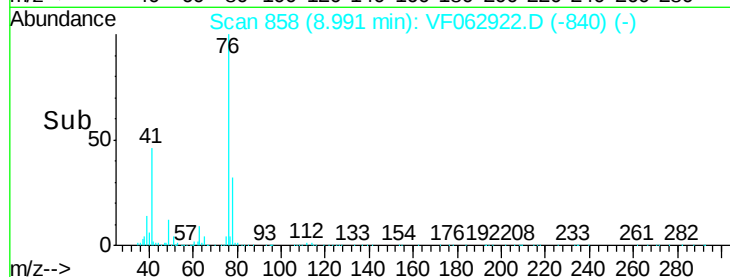
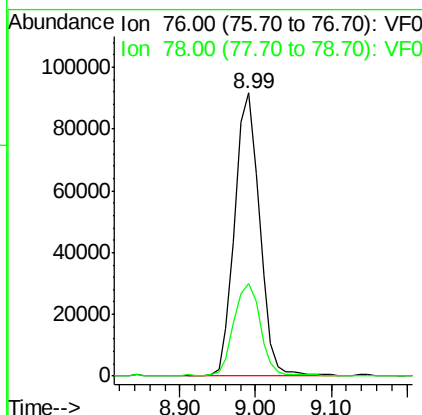
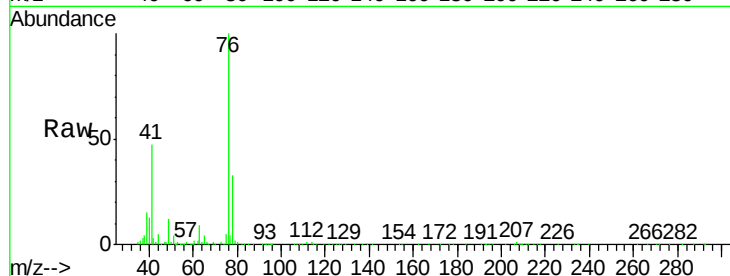
#57
 1,3-Dichloropropane
 Concen: 22.835 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.8	40.2

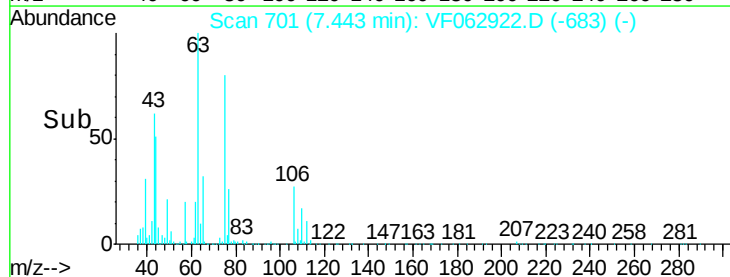
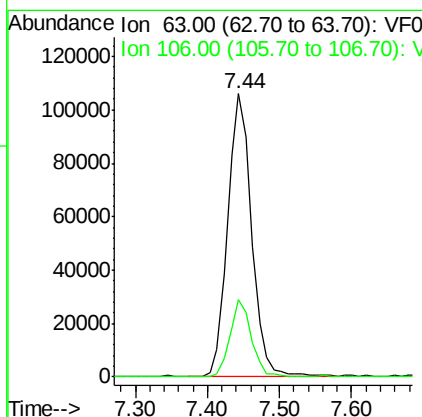
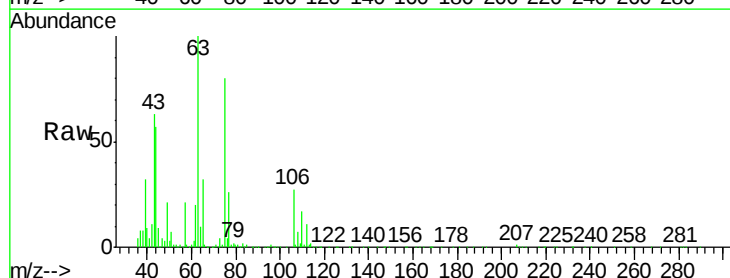
Manual Integrations
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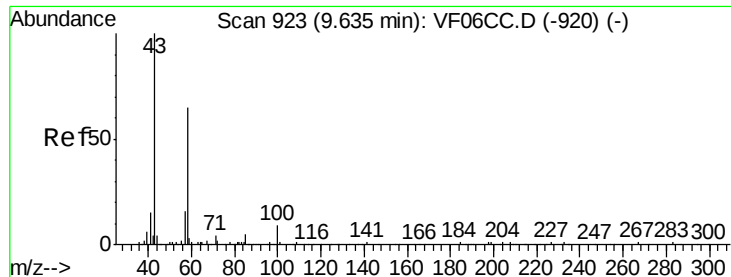
MMDadoda
 6/13/2019 11:32:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.561 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	19.5	29.3





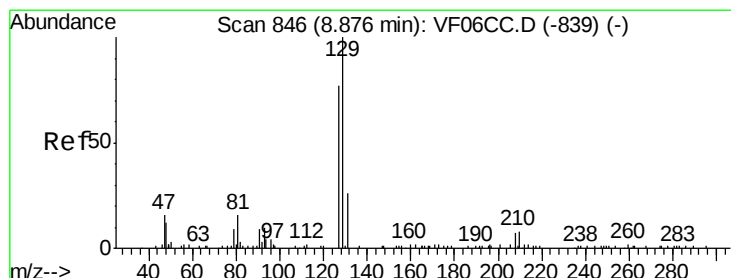
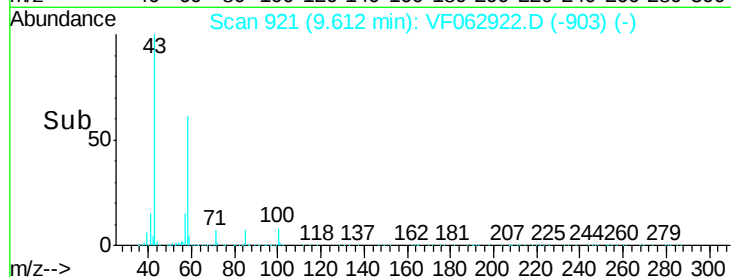
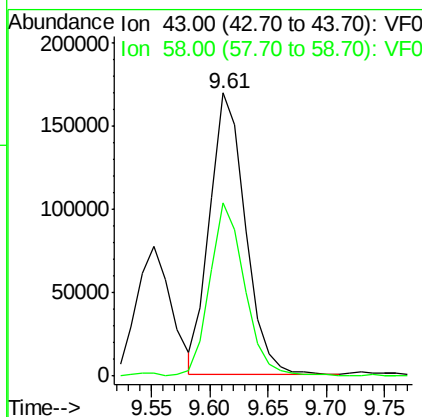
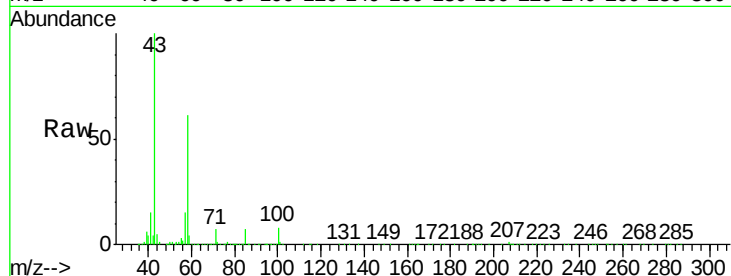
#59
2-Hexanone
Concen: 116.675 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

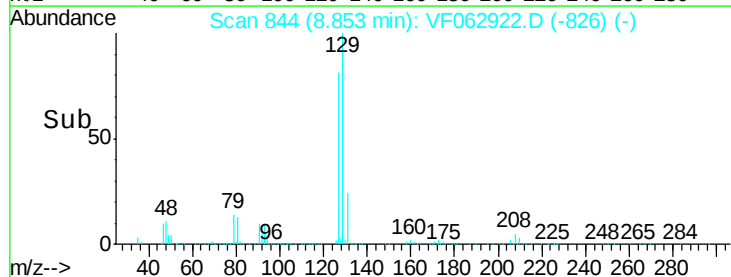
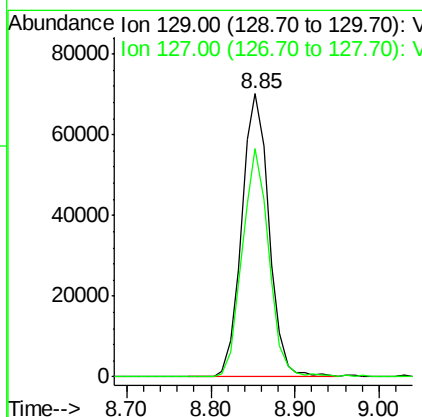
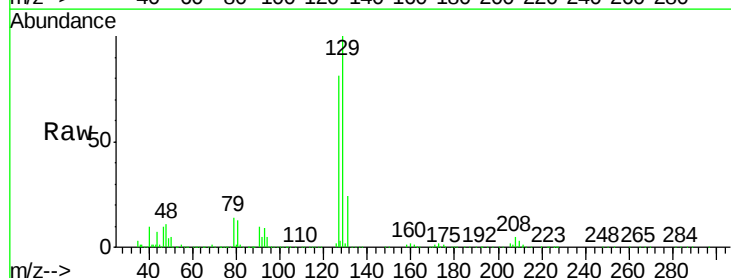
Manual Integrations
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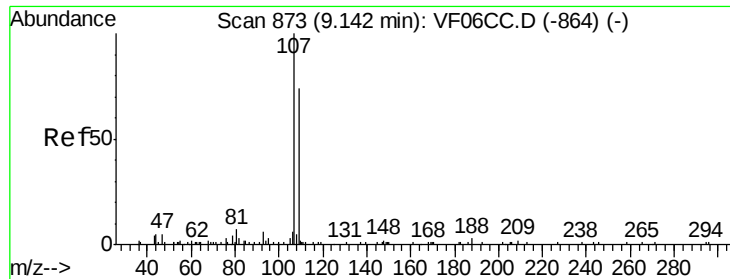
MMDadoda
6/13/2019 11:32:56 AM



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

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





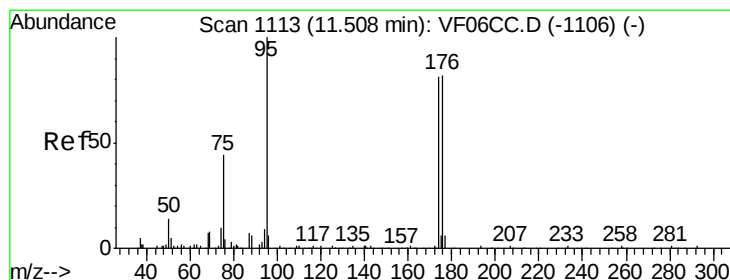
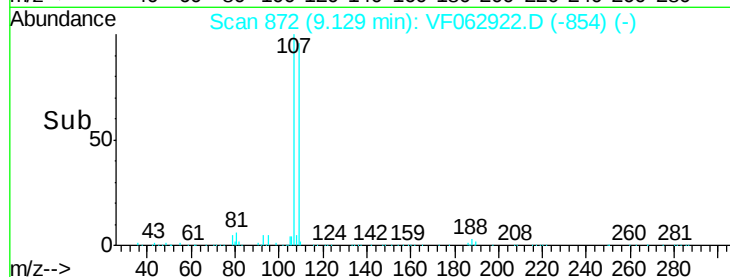
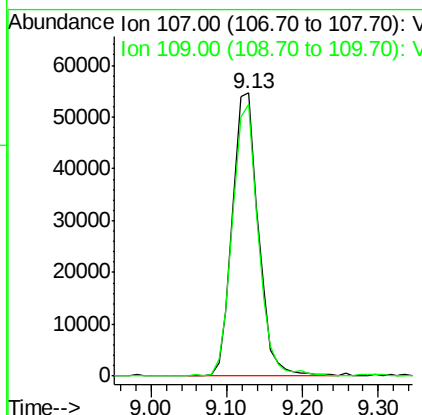
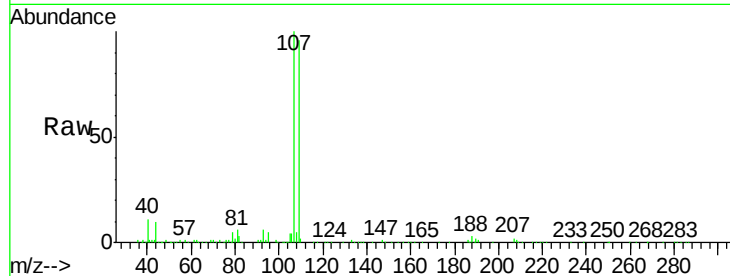
#61
 1,2-Dibromoethane
 Concen: 22.067 ug/l
 RT: 9.13 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	78.1	117.1

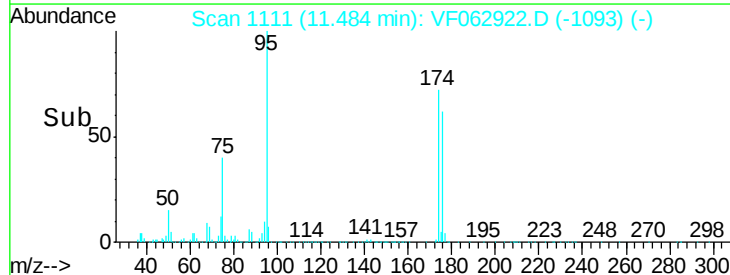
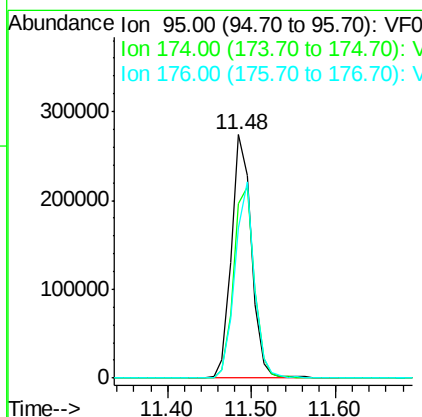
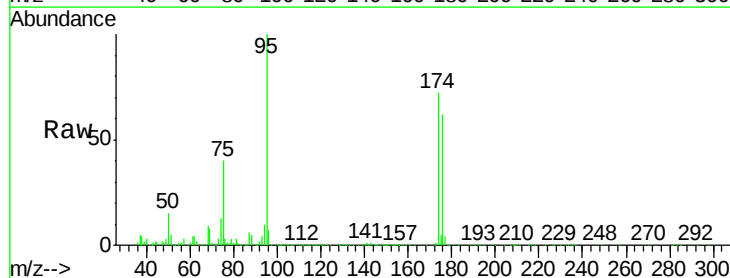
Manual Integrations
 APPROVED

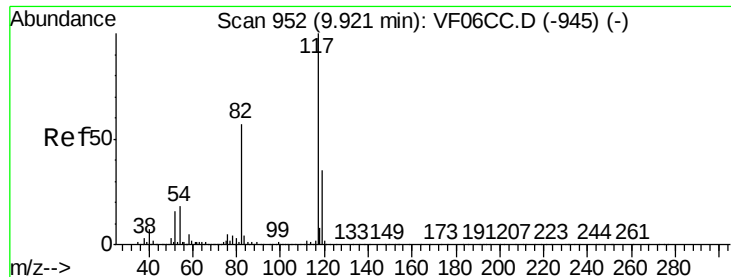
MMDadoda
 6/13/2019 11:32:56 AM



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

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





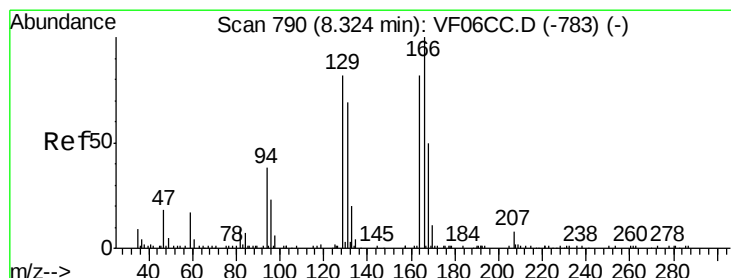
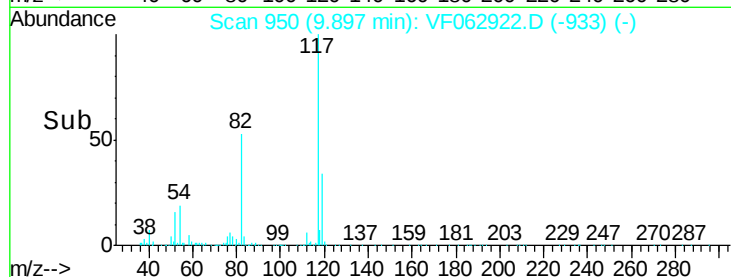
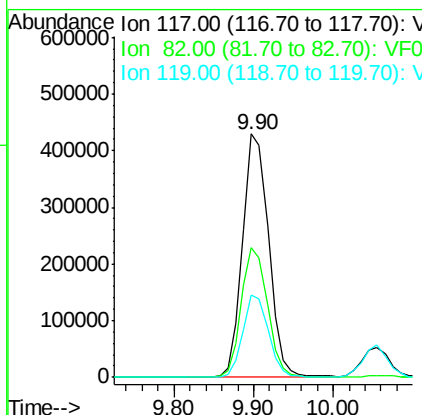
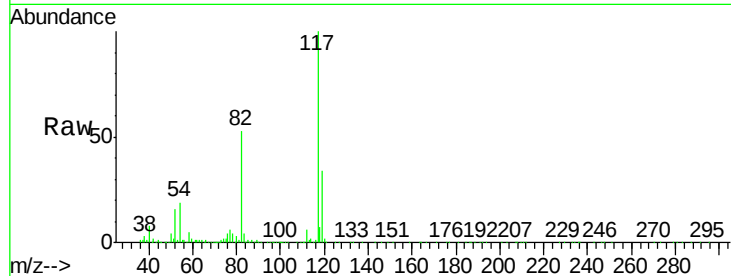
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.04 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

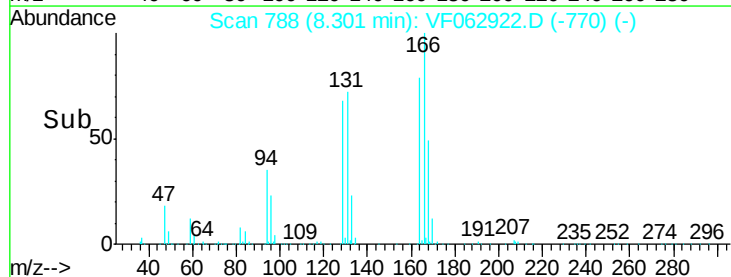
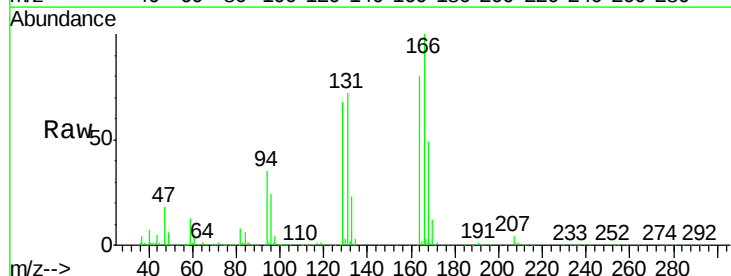
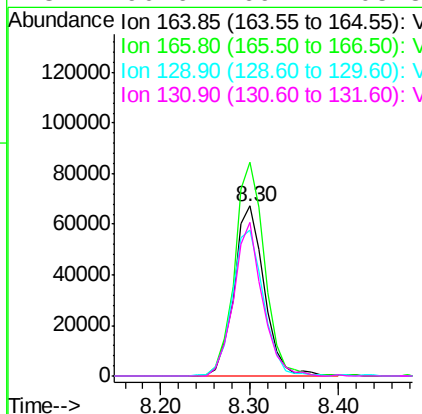
Manual Integrations
APPROVED

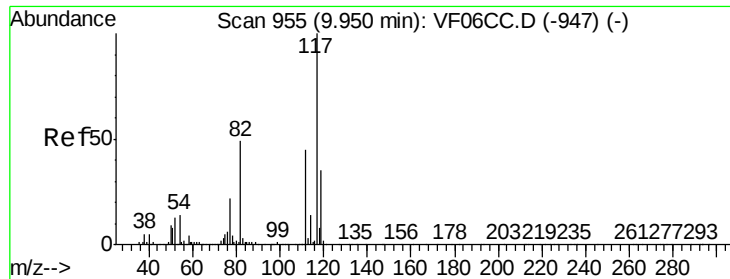
MMDadoda
6/13/2019 11:32:56 AM



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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	158399		
166	125.8		99.1	148.7
129	85.9		69.5	104.3
131	90.6		69.2	103.8





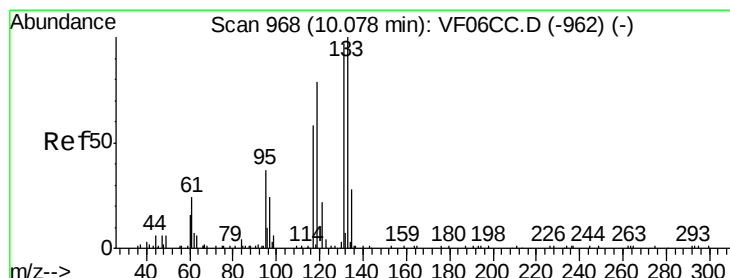
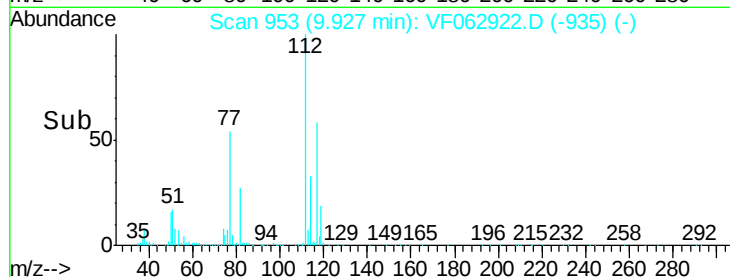
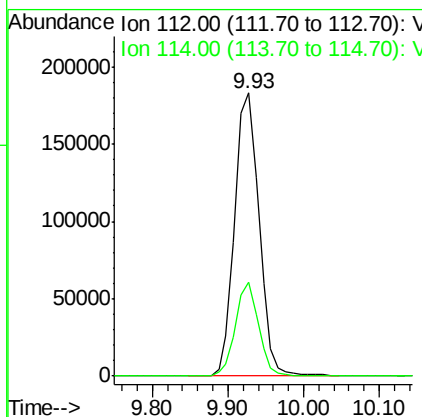
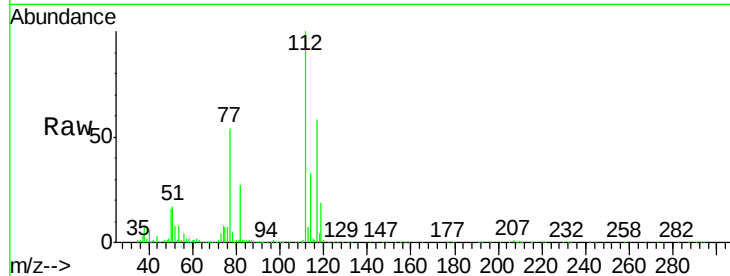
#65
Chlorobenzene
Concen: 21.724 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion:112 Resp: 409573
Ion Ratio Lower Upper
112 100
114 33.1 27.4 41.0

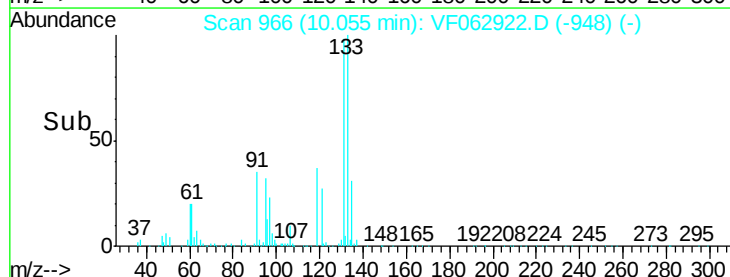
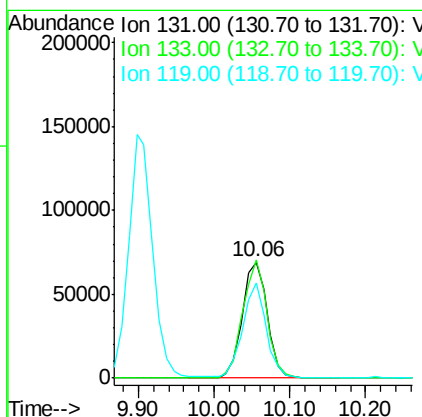
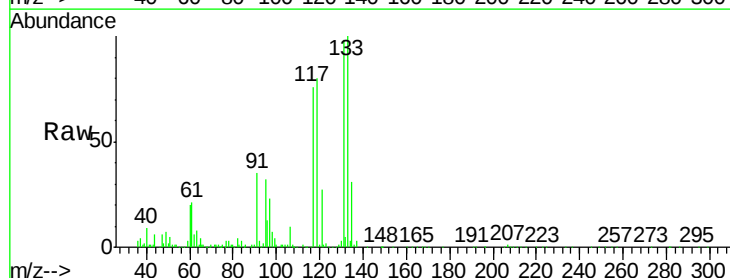
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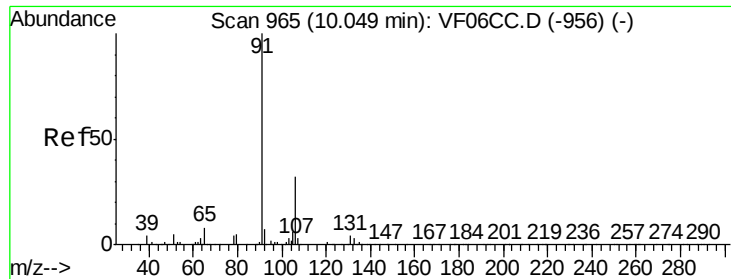
MMDadoda
6/13/2019 11:32:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.033 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion:131 Resp: 157930
Ion Ratio Lower Upper
131 100
133 102.3 48.9 146.7
119 82.1 38.0 114.0





#67

Ethyl Benzene

Concen: 20.864 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 91 Resp: 675042

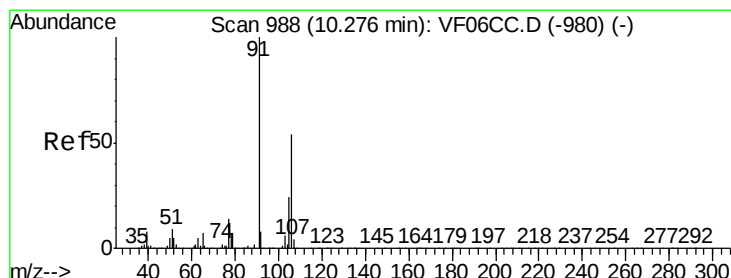
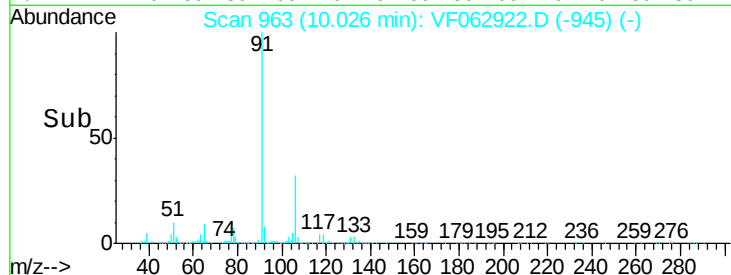
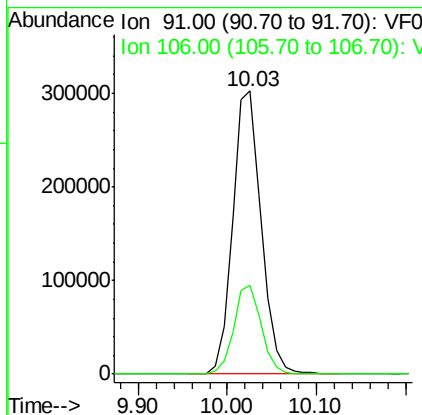
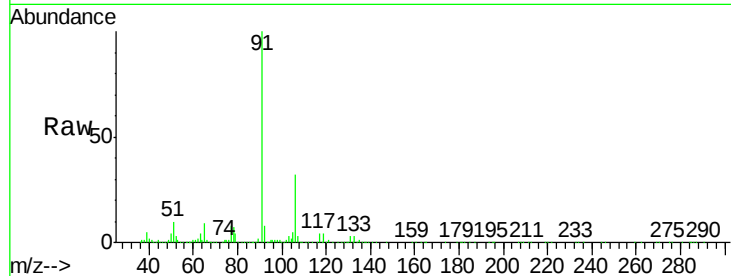
Ion Ratio Lower Upper

91 100

106 31.6 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 39.944 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.03 min

Lab File: VF062922.D

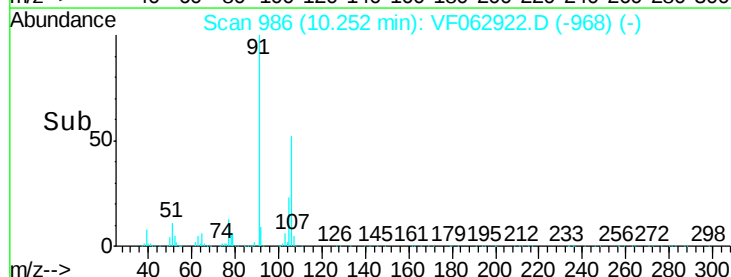
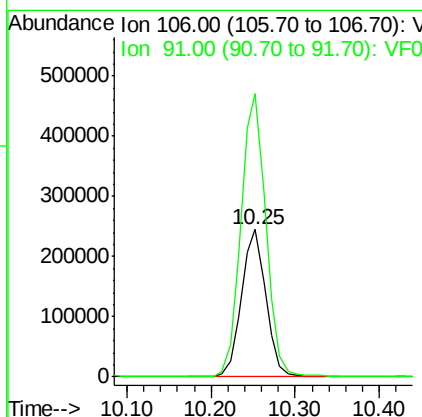
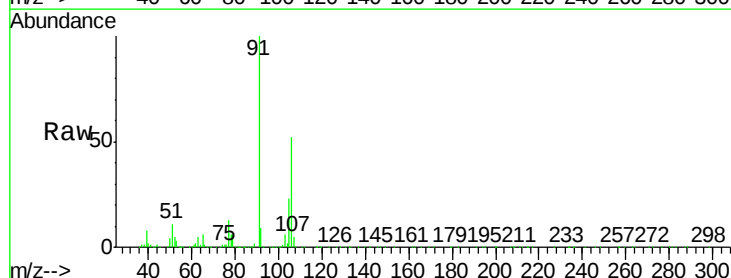
Acq: 12 Jun 2019 12:45

Tgt Ion: 106 Resp: 494530

Ion Ratio Lower Upper

106 100

91 191.9 136.2 204.4





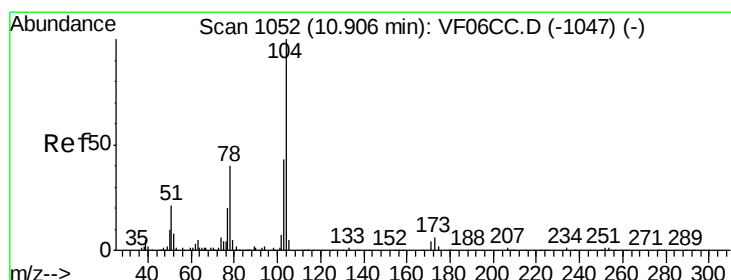
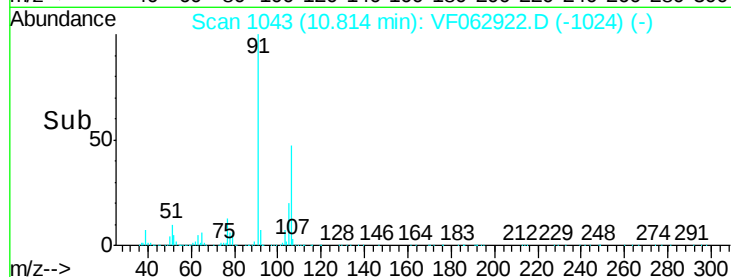
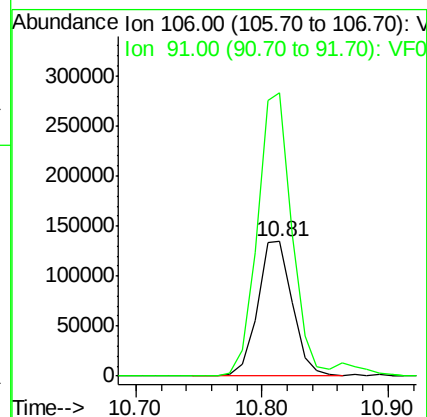
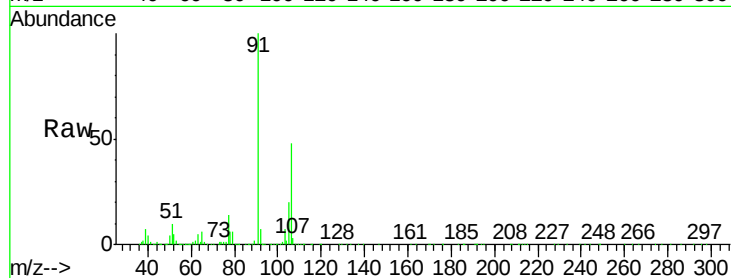
#69
o-Xylene
Concen: 20.540 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	96.6	289.8

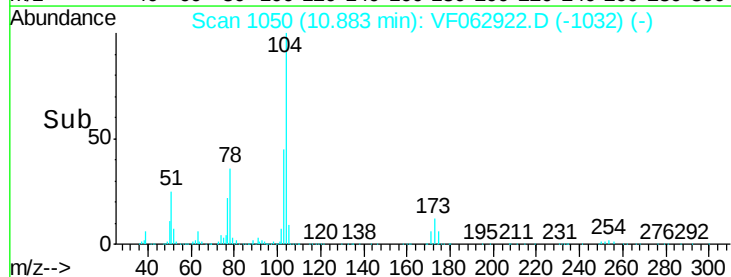
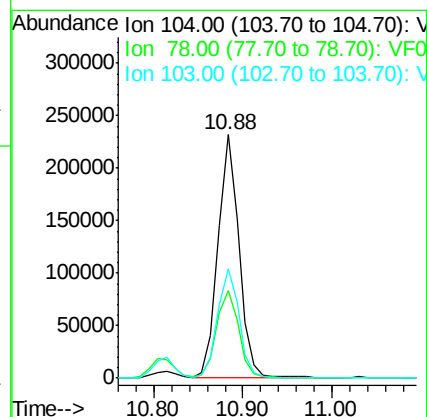
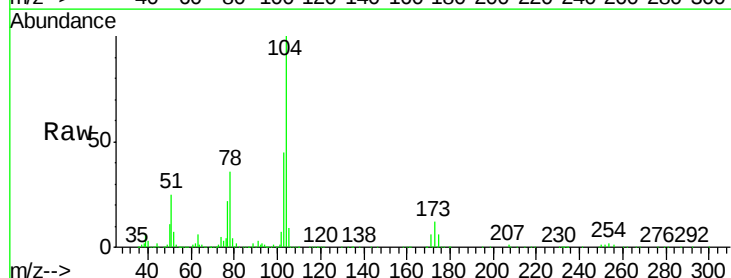
Manual Integrations
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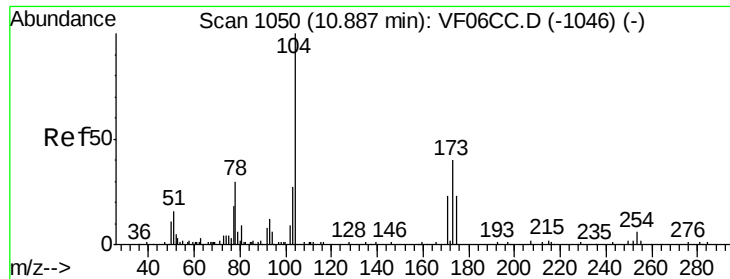
MMDadoda
6/13/2019 11:32:56 AM



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

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





#71

Bromoform

Concen: 24.533 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

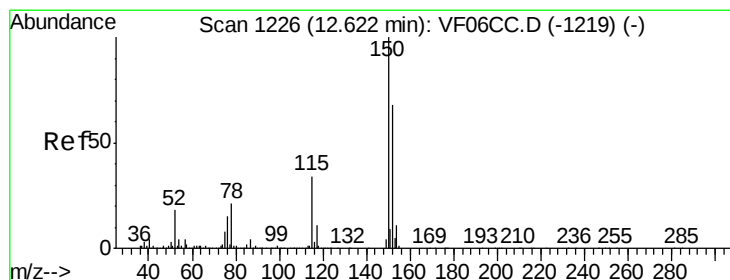
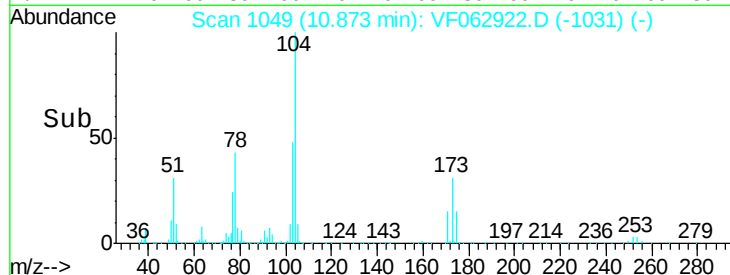
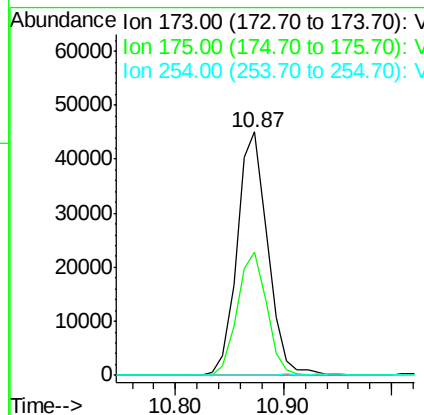
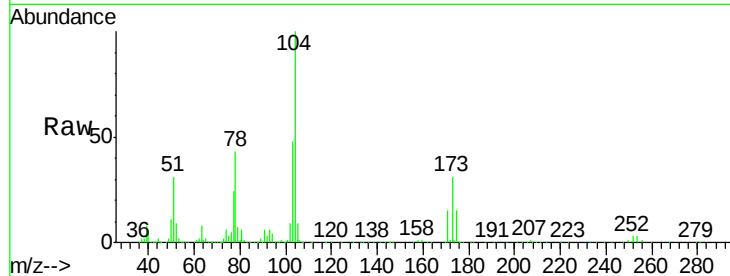
ClientSampleId :

VF0612SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.5	24.6	74.0		
254	0.0	0.1	0.1#		

Manual Integrations
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6/13/2019 11:32:56 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

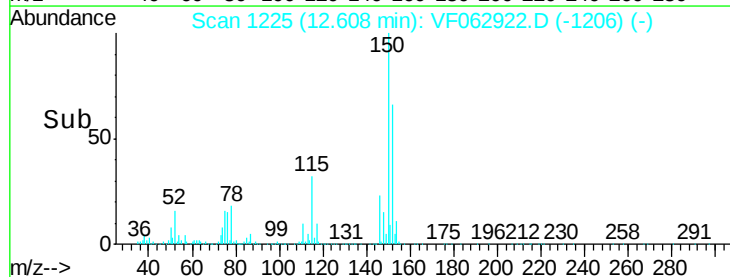
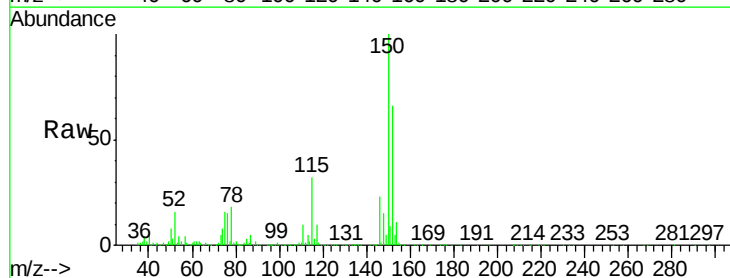
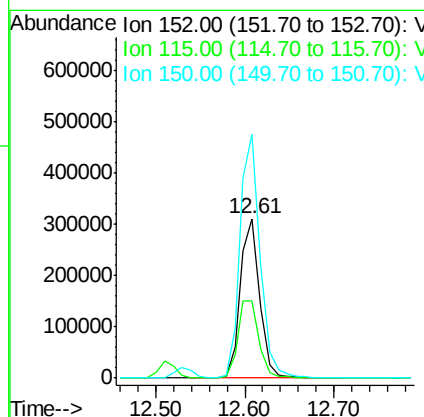
RT: 12.61 min Scan# 1225

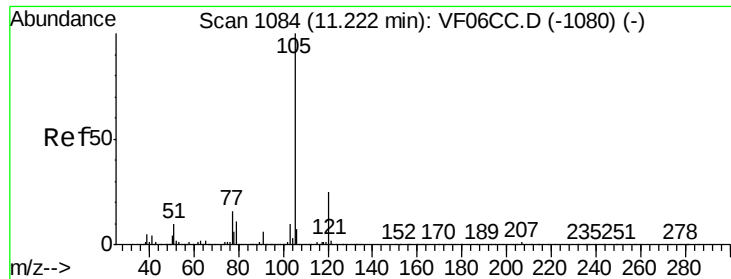
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	48.4	24.6	74.0		
150	152.5	0.0	290.6		





#73

Isopropylbenzene

Concen: 21.688 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion: 105 Resp: 718216

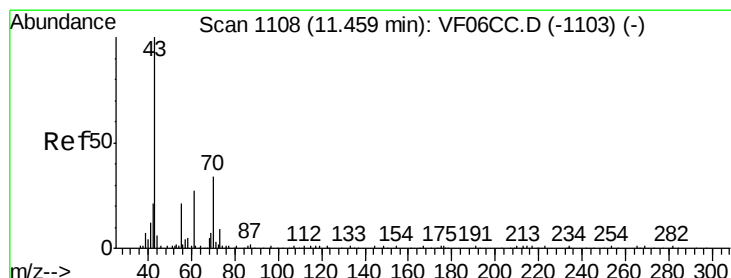
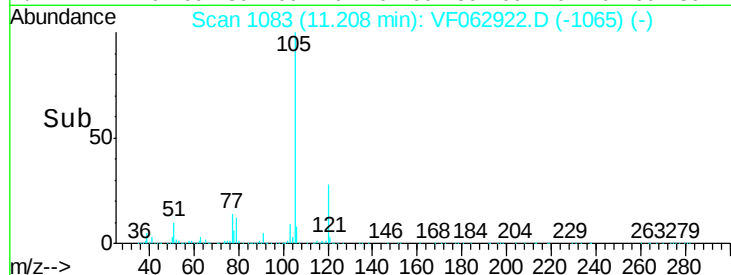
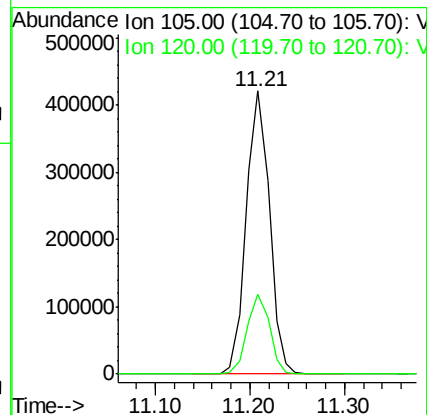
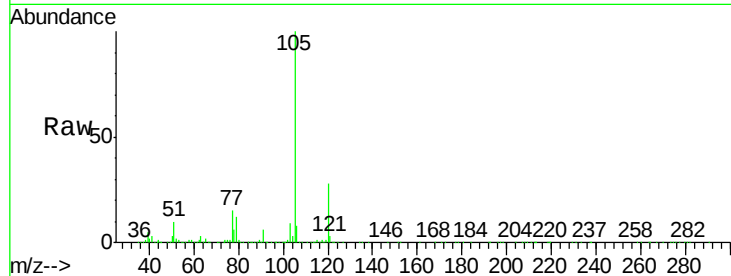
Ion Ratio Lower Upper

105 100

120 28.0 15.1 45.3

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6/13/2019 11:32:56 AM



#74

N-ethyl acetate

Concen: 23.514 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion: 43 Resp: 219465

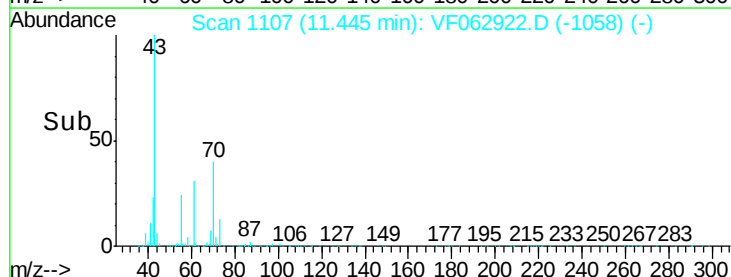
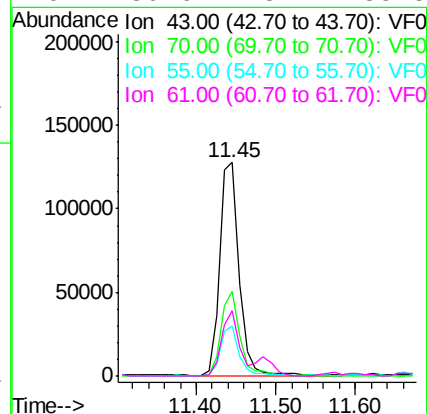
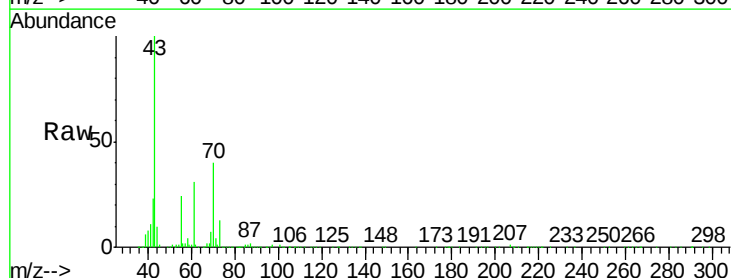
Ion Ratio Lower Upper

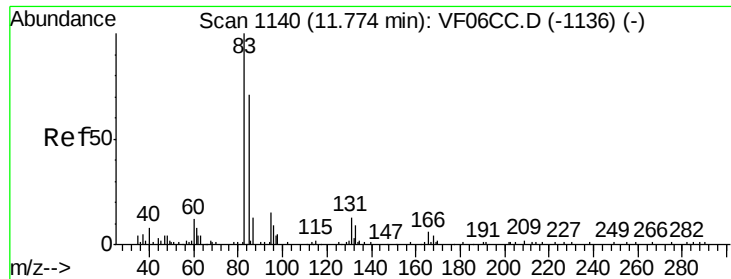
43 100

70 39.8 32.9 49.3

55 23.7 17.3 25.9

61 30.6 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.650 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

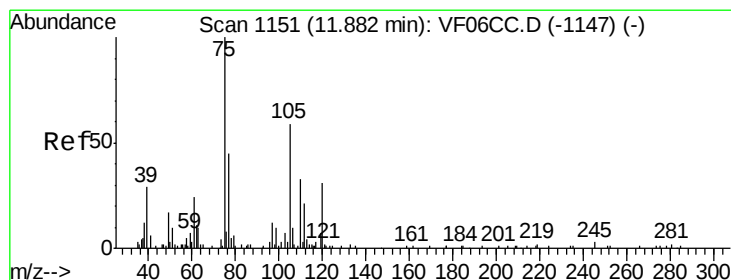
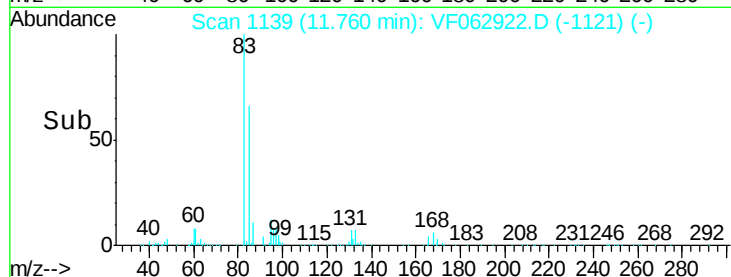
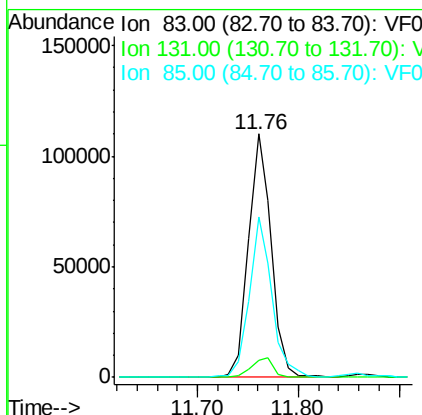
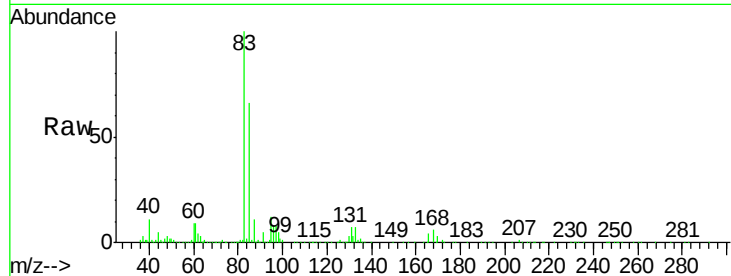
ClientSampleId :

VF0612SBS01

Tot Ion:	83	Resp:	174324
Ion Ratio	Lower	Upper	
83	100		
131	7.1	4.9	14.7
85	65.9	32.1	96.5

Manual Integrations
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6/13/2019 11:32:56 AM



#76

1,2,3-Trichloropropane

Concen: 23.536 ug/l

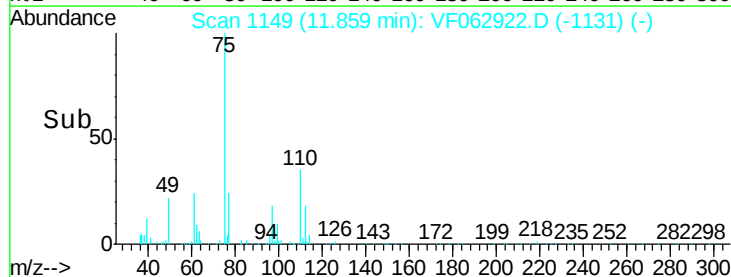
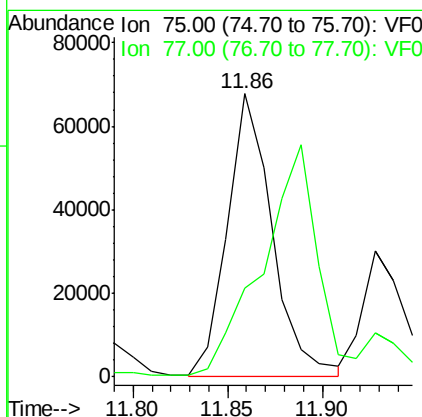
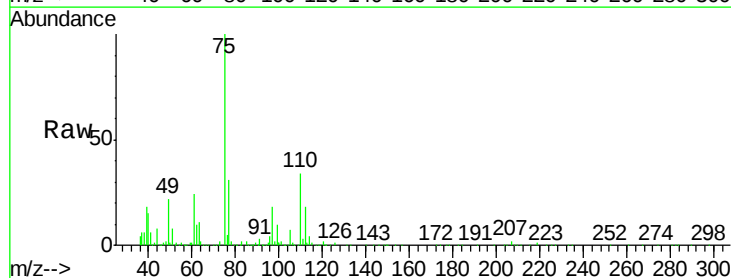
RT: 11.86 min Scan# 1149

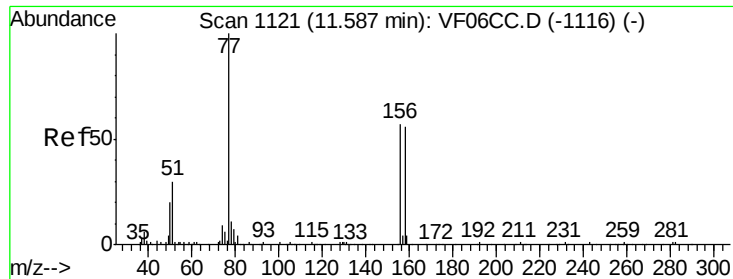
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	75	Resp:	110327
Ion Ratio	Lower	Upper	
75	100		
77	31.3	20.1	60.2





#77

Bromobenzene

Concen: 19.934 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

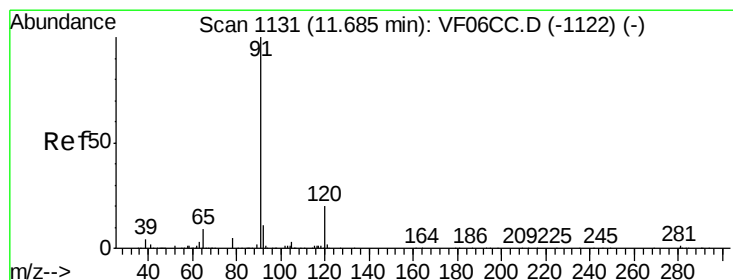
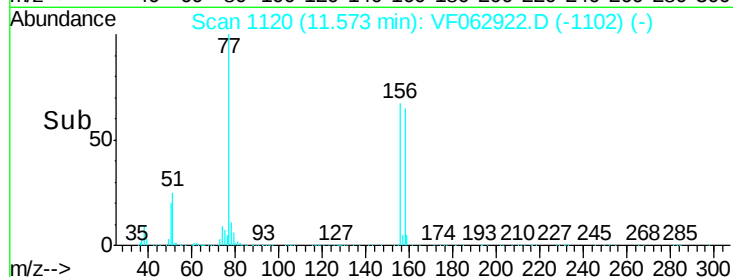
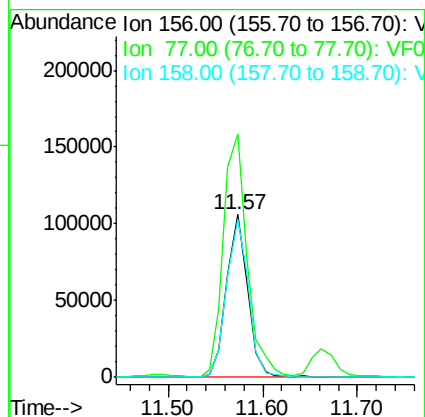
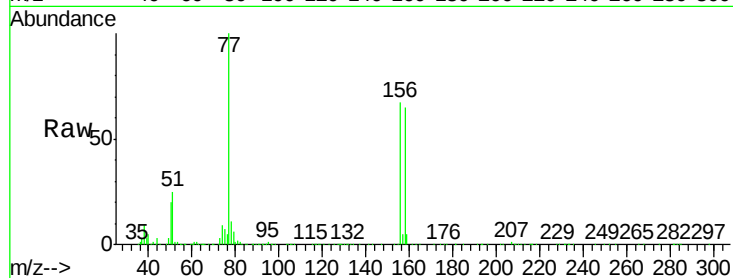
ClientSampleId :

VF0612SBS01

Tot Ion:	156	Resp:	165862
Ion Ratio	Lower	Upper	
156	100		
77	149.8	64.2	192.6
158	97.5	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.136 ug/l

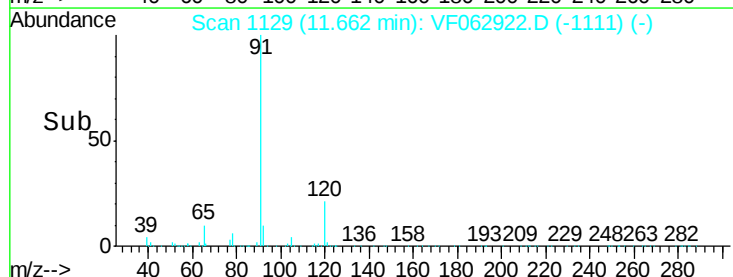
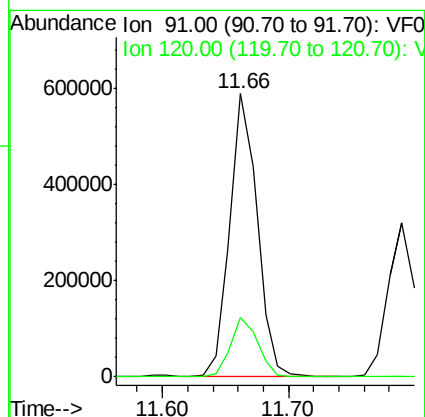
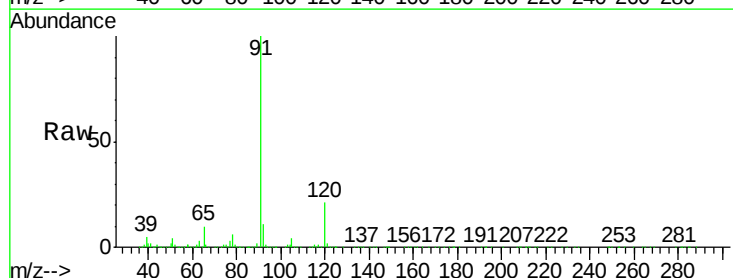
RT: 11.66 min Scan# 1129

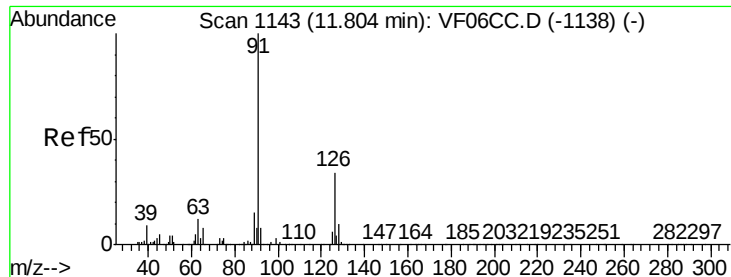
Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	91	Resp:	885102
Ion Ratio	Lower	Upper	
91	100		
120	21.2	12.8	38.4





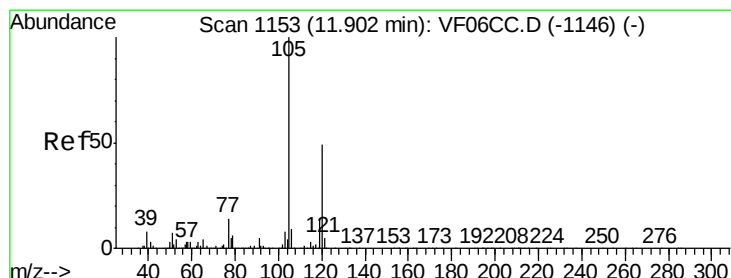
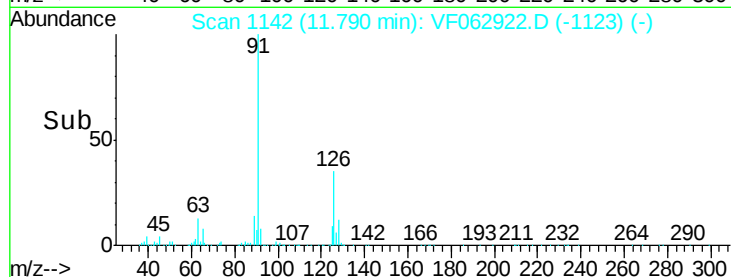
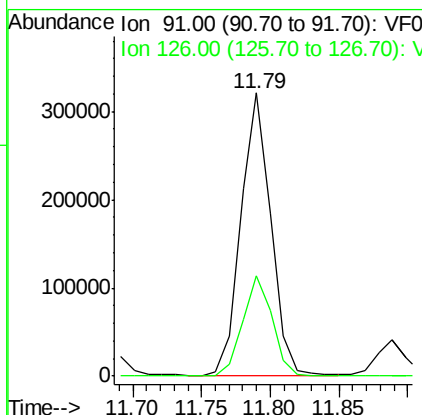
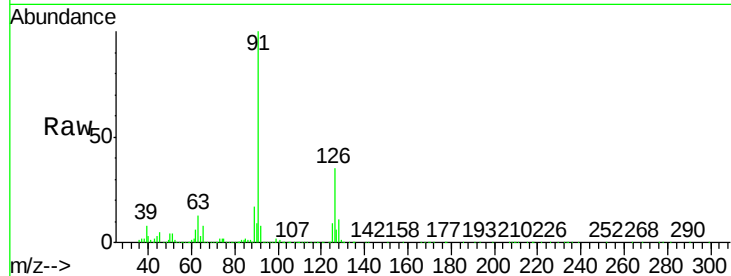
#79
 2-Chlorotoluene
 Concen: 21.101 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.3

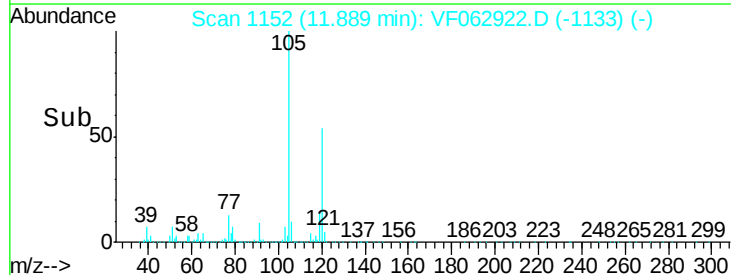
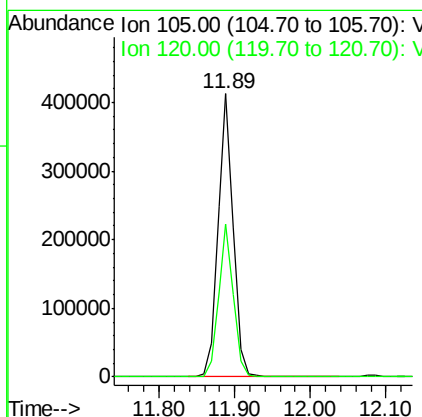
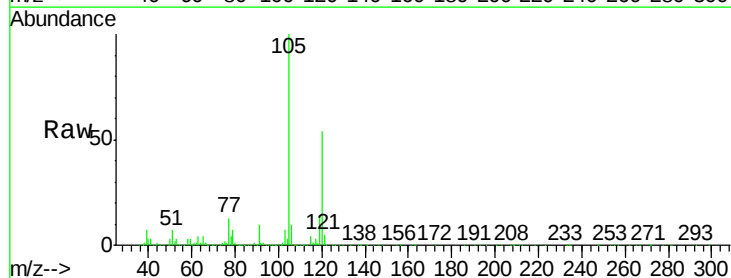
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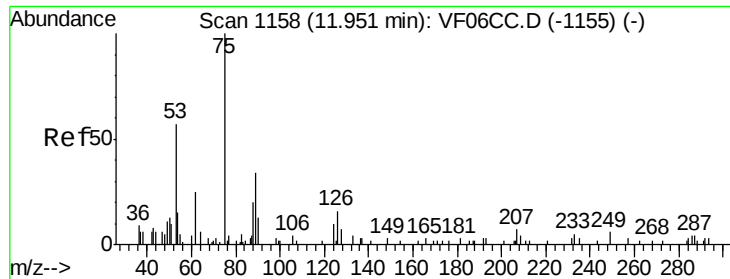
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.568 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.0	28.7	86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.802 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

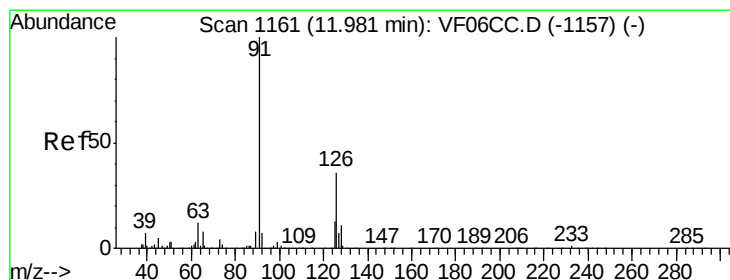
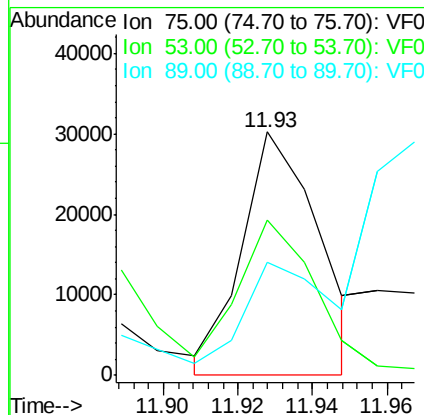
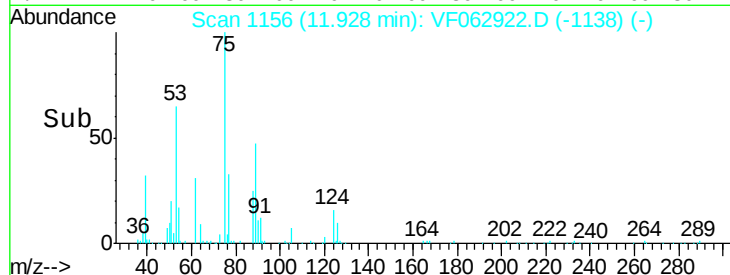
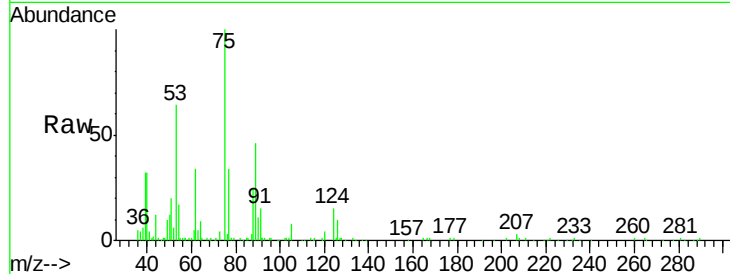
ClientSampleId :

VF0612SBS01

Tot Ion:	75	Resp:	43268
Ion Ratio	Lower	Upper	
75	100		
53	63.7	43.5	65.3
89	46.3	34.3	51.5

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#82

4-Chlorotoluene

Concen: 21.070 ug/l

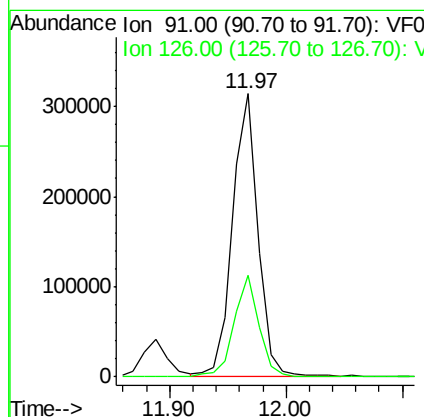
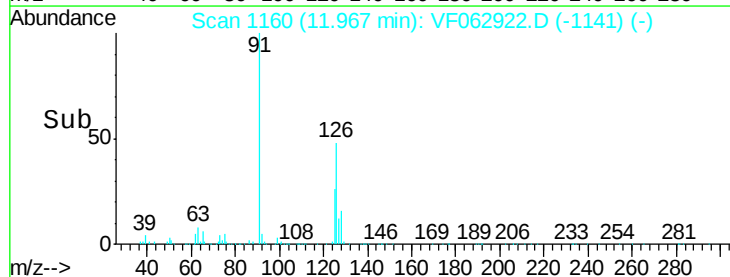
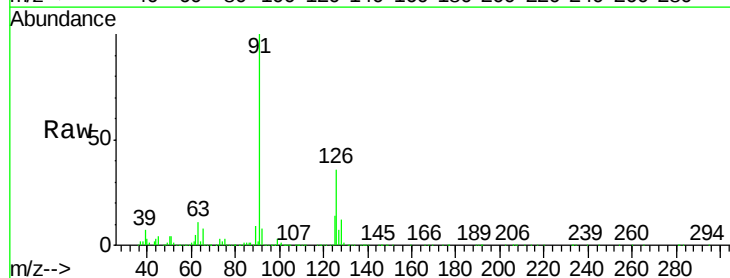
RT: 11.97 min Scan# 1160

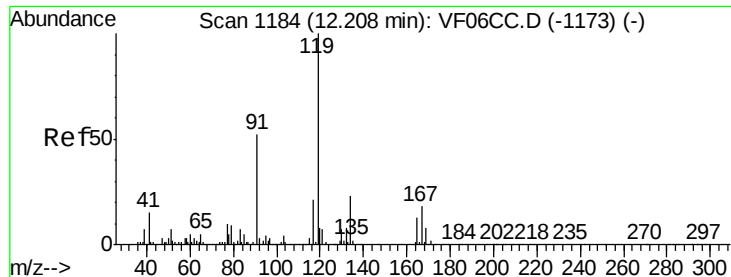
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Tgt Ion:	91	Resp:	473747
Ion Ratio	Lower	Upper	
91	100		
126	35.8	19.1	57.1





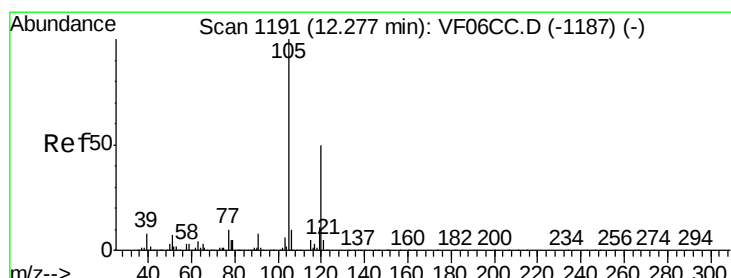
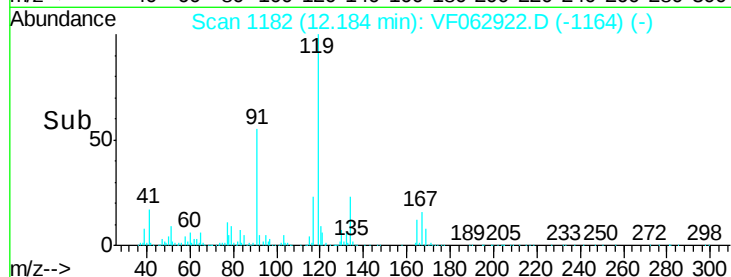
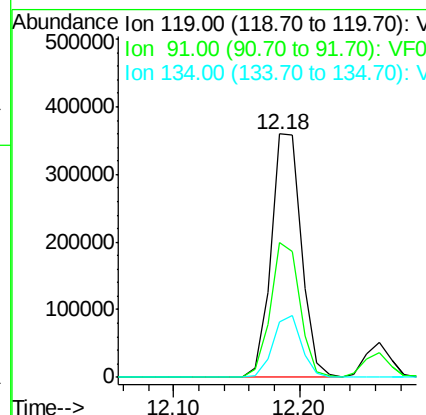
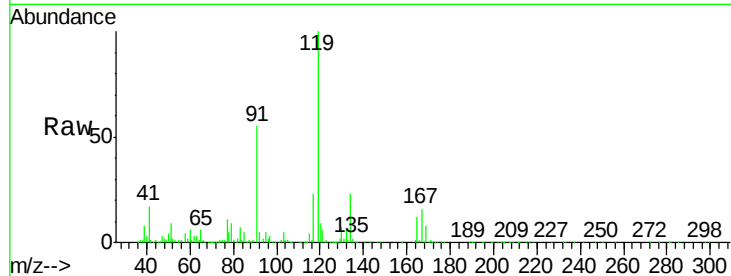
#83
tert-Butylbenzene
Concen: 22.380 ug/l
RT: 12.18 min Scan# 1182
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	600550		
91	55.4	28.9	86.7	
134	22.6	14.3	42.9	

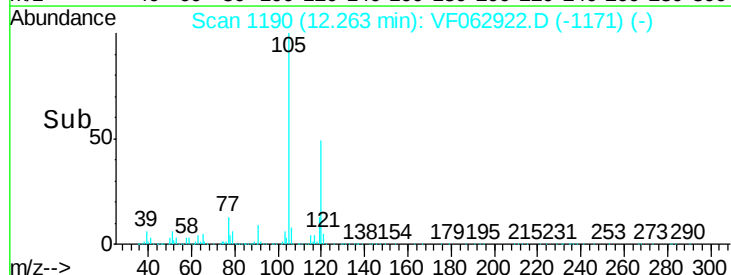
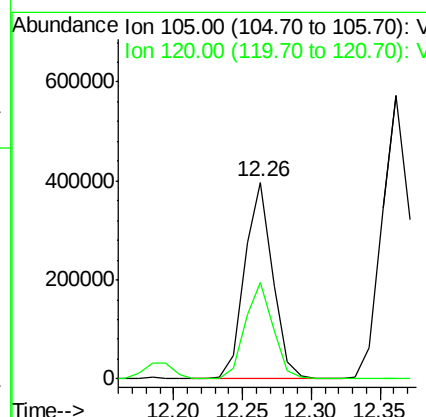
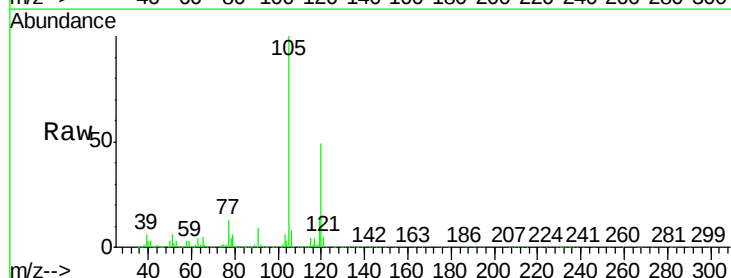
Manual Integrations
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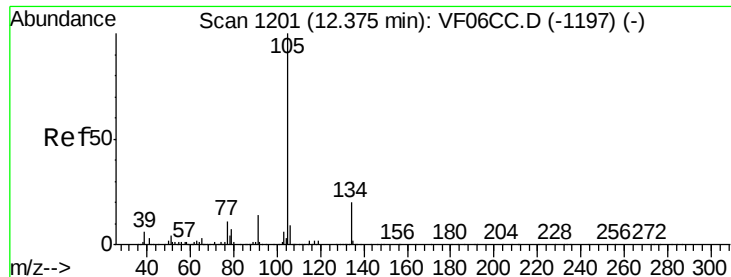
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#84
1,2,4-Trimethylbenzene
Concen: 21.925 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	562981		
120	49.0	27.1	81.3	





#85

sec-Butylbenzene

Concen: 23.195 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBS01

Tot Ion:105 Resp: 820153

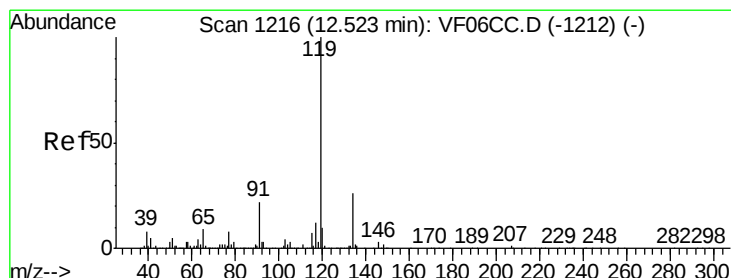
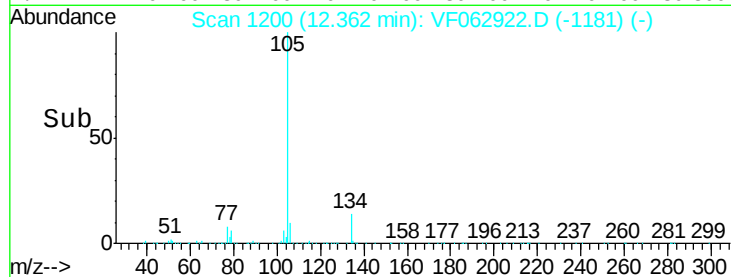
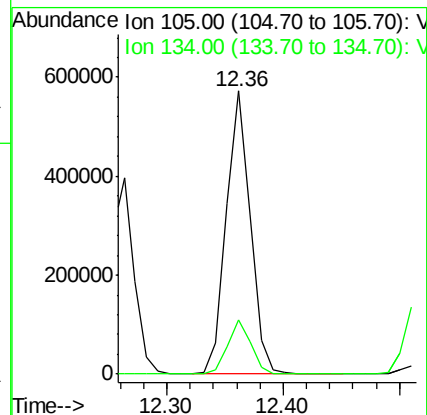
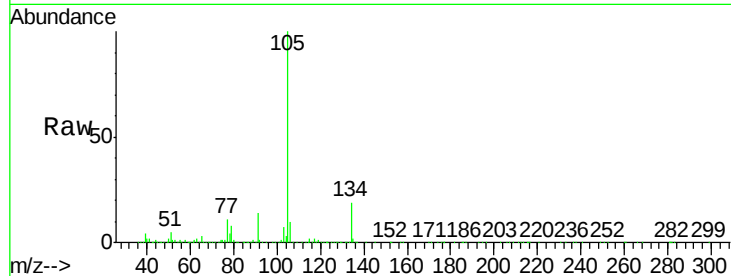
Ion Ratio Lower Upper

105 100

134 19.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 23.472 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

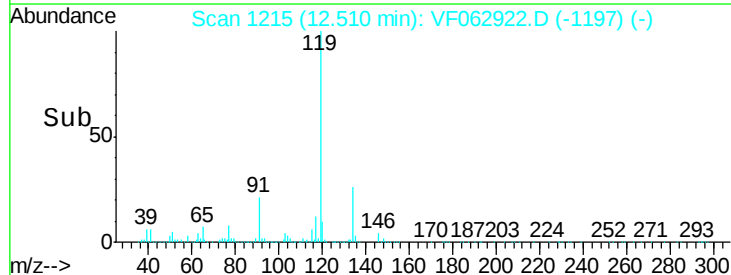
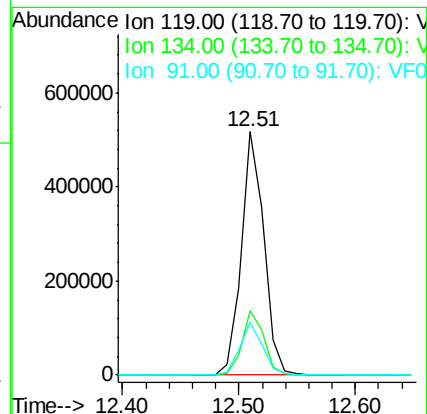
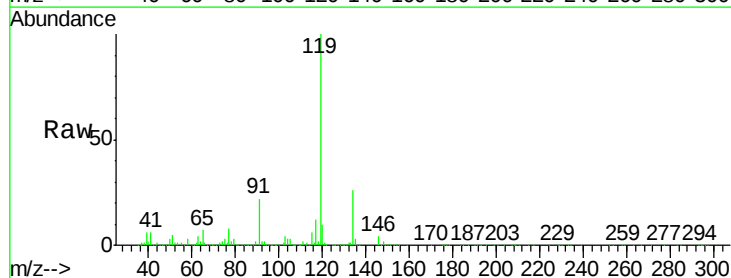
Tgt Ion:119 Resp: 690826

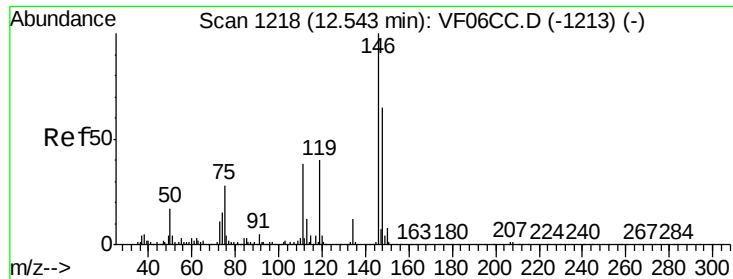
Ion Ratio Lower Upper

119 100

134 26.4 15.5 46.5

91 21.7 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 22.424 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

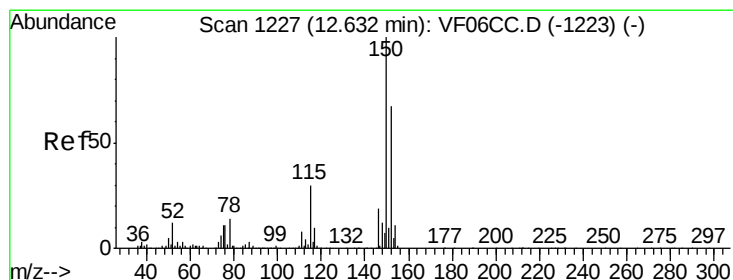
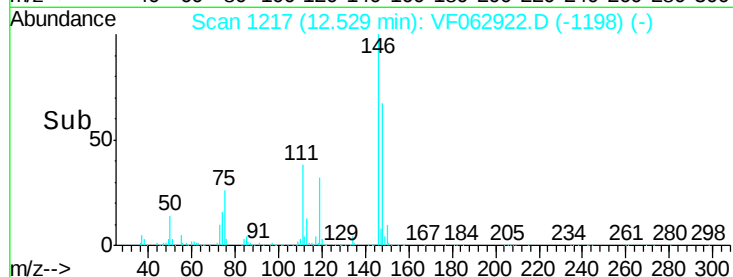
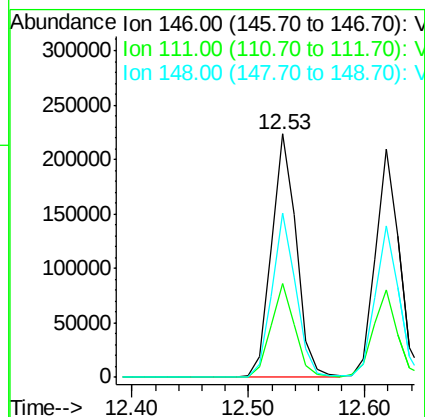
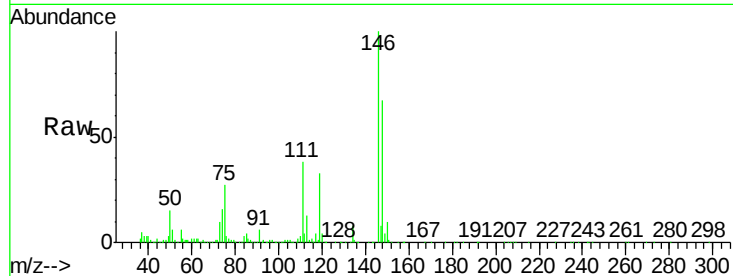
Instrument :
MSVOA_F

ClientSampleId :
VF0612SBS01

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

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.848 ug/l

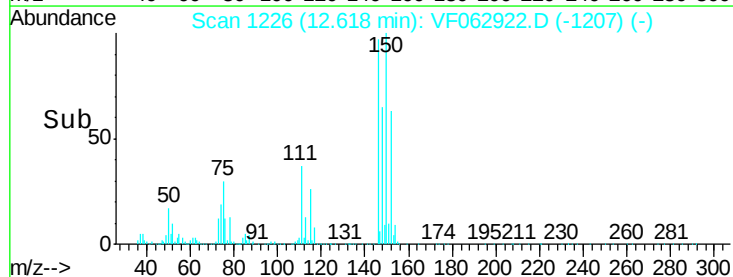
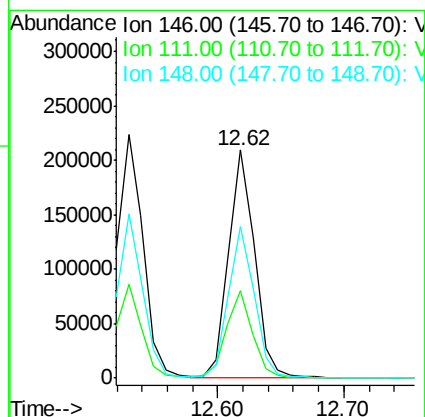
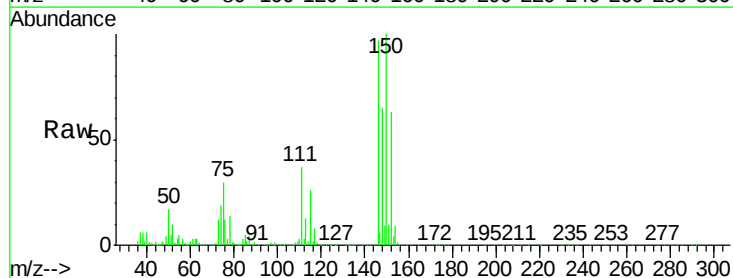
RT: 12.62 min Scan# 1226

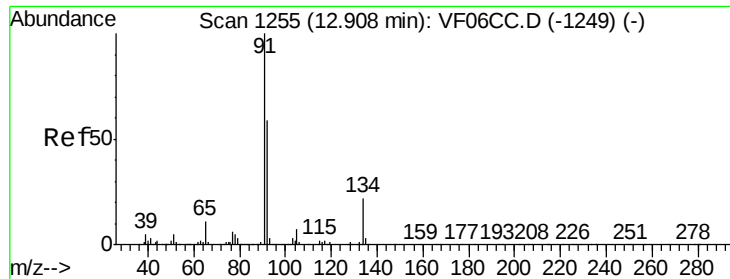
Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

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





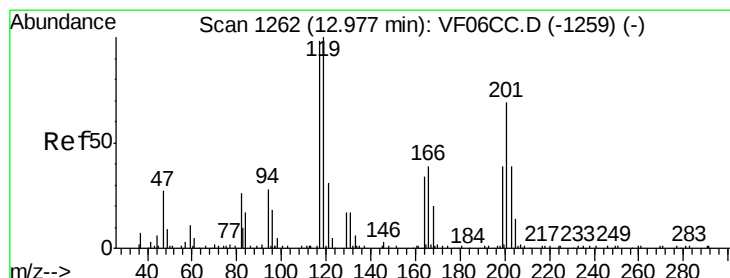
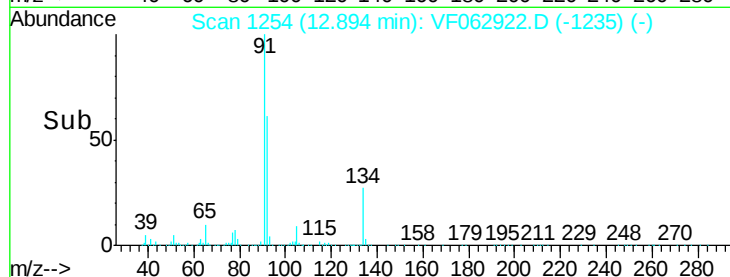
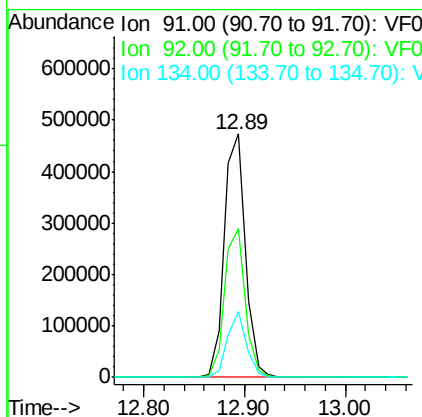
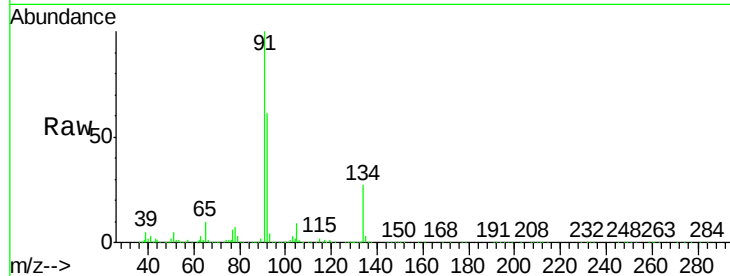
#89
n-Butylbenzene
Concen: 23.234 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

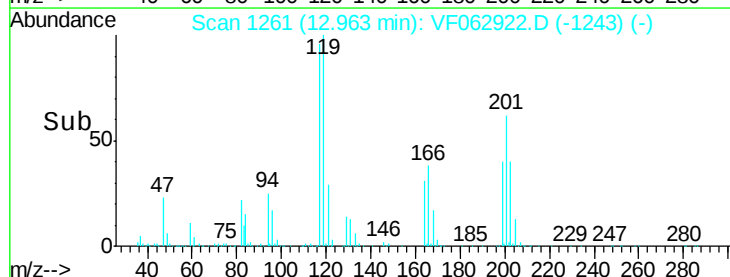
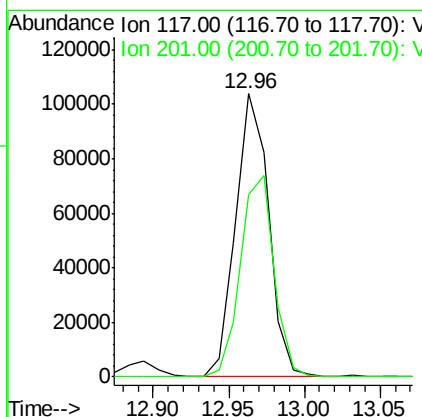
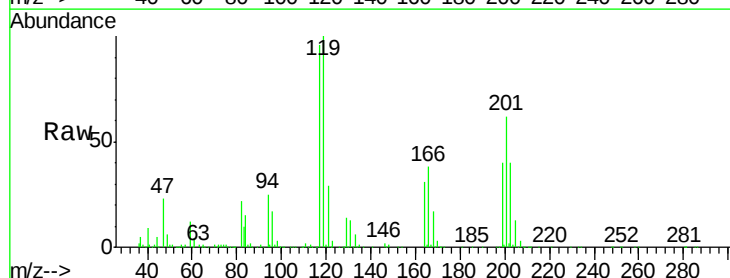
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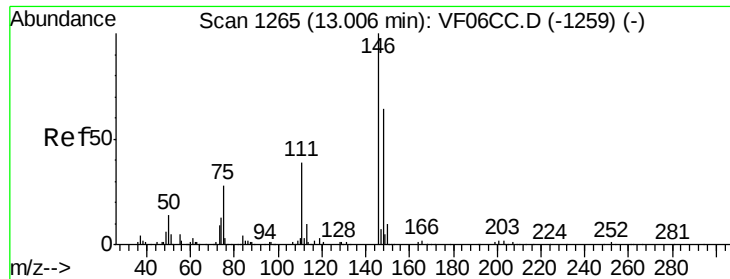
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#90
Hexachloroethane
Concen: 21.855 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 21.994 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

Instrument :

MSVOA_F

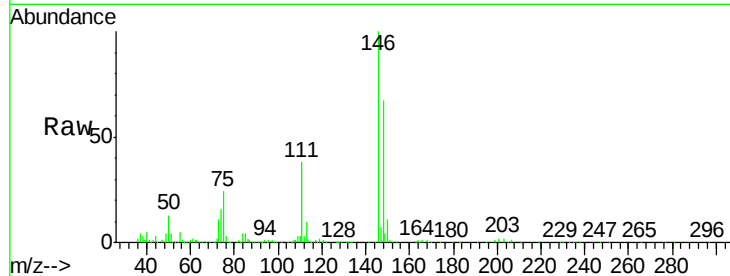
ClientSampleId :

VF0612SBS01

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

Manual Integrations
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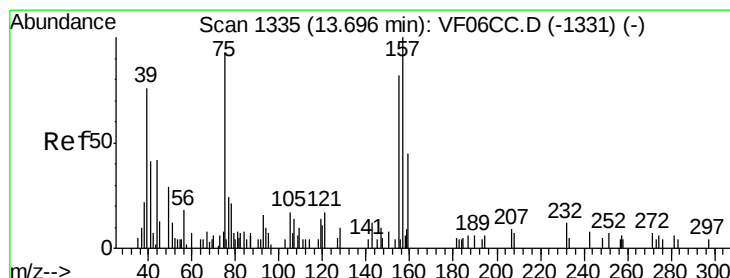
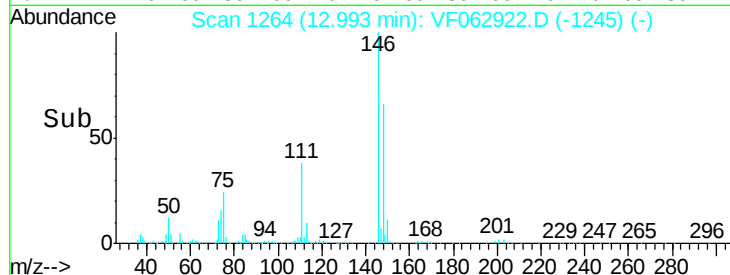
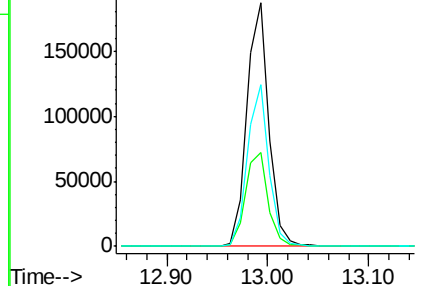
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 29.652 ug/l

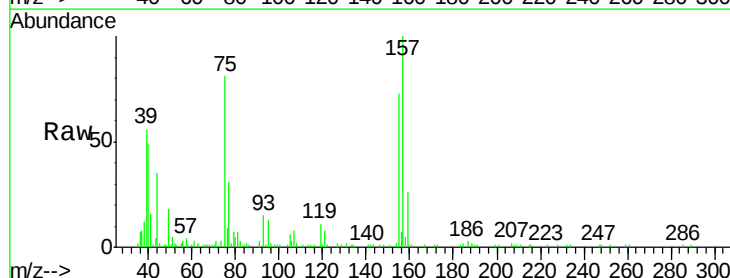
RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062922.D

Acq: 12 Jun 2019 12:45

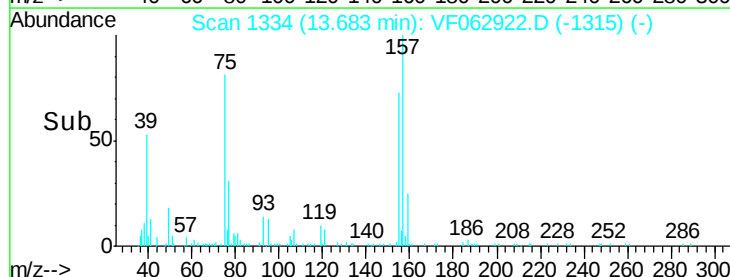
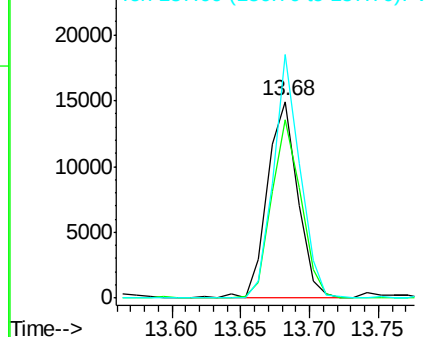
Tgt Ion:	75	Resp:	22846
Ion Ratio	Lower	Upper	
75	100		
155	90.4	51.7	155.1
157	123.8	66.8	200.6

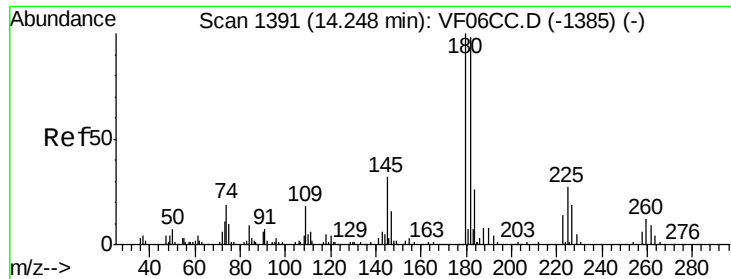


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





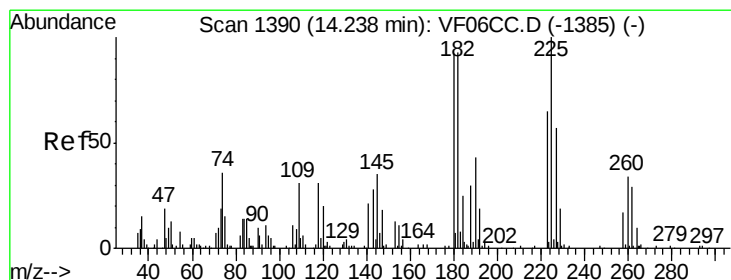
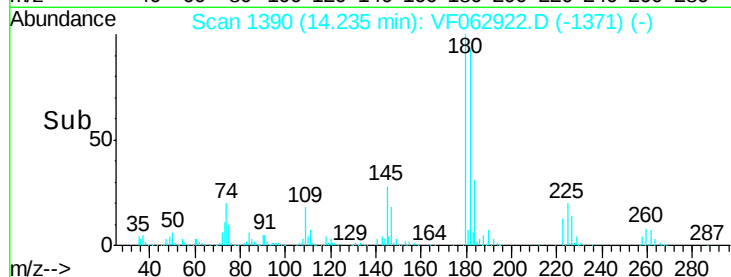
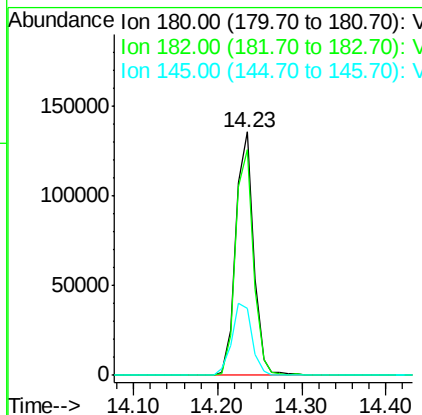
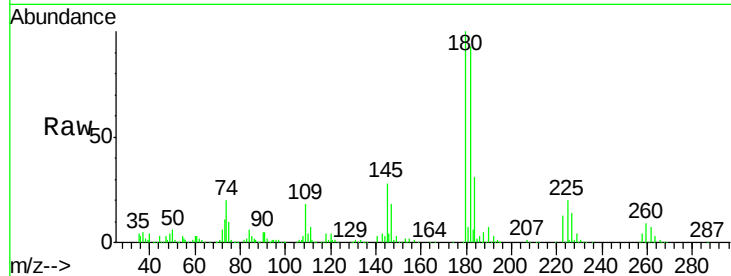
#93
 1,2,4-Trichlorobenzene
 Concen: 22.654 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	200623		
182	92.9		50.3	150.9
145	27.5		15.4	46.2

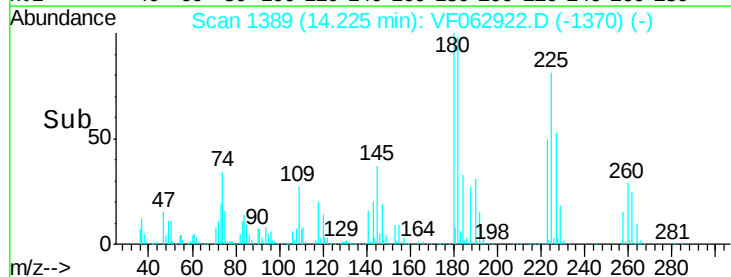
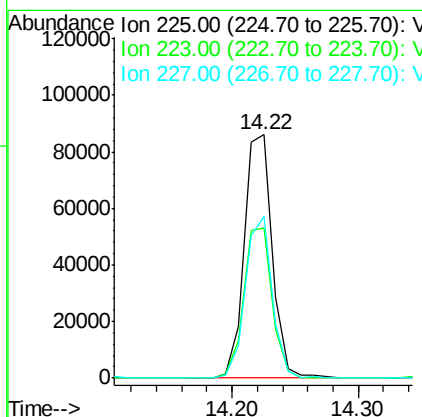
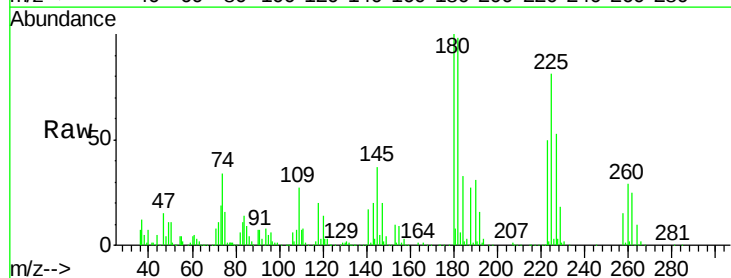
Manual Integrations
 APPROVED

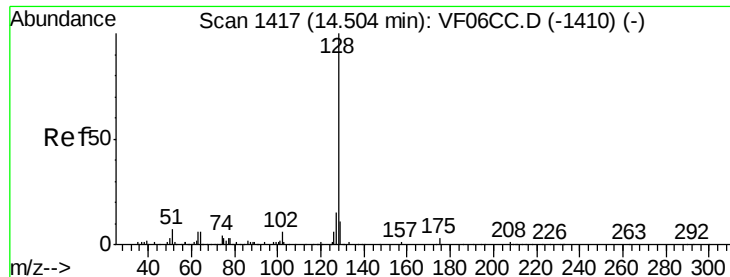
MMDadoda
 6/13/2019 11:32:56 AM



#94
 Hexachlorobutadiene
 Concen: 21.571 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062922.D
 Acq: 12 Jun 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132157		
223	61.8		30.8	92.4
227	66.4		31.9	95.5





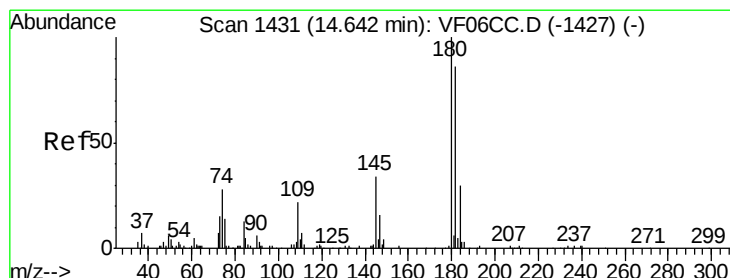
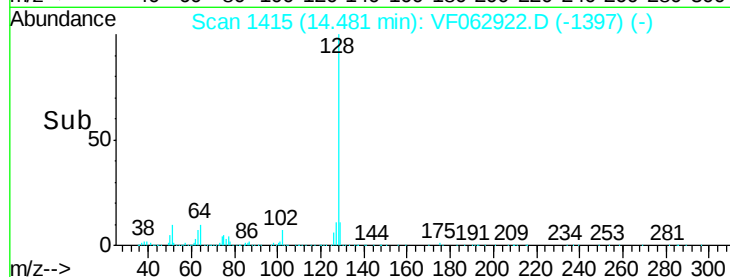
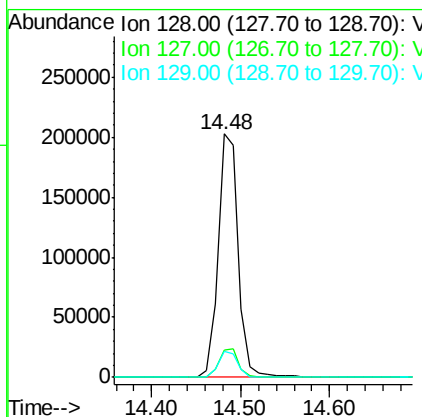
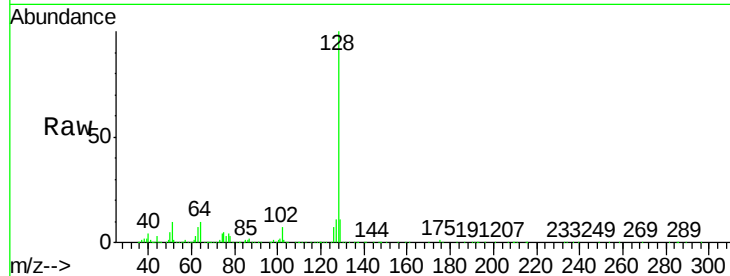
#95
Naphthalene
Concen: 22.087 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF062922.D
Acq: 12 Jun 2019 12:45

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

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

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:32:56 AM



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

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

