

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062803.D
 Acq On : 31 May 2019 12:33
 Operator : FY/SY
 Sample : VF0531SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:22 AM

Quant Time: Jun 01 01:10:35 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	5.08	168	879164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1465209	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.93	117	1107216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	568206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	324700	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	4.33	113	567839	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	7.73	98	1420651	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.50	95	540238	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	239749	21.660	ug/l	98
3) Chloromethane	1.15	50	194949	21.431	ug/l	100
4) Vinyl Chloride	1.19	62	185568	20.528	ug/l	95
5) Bromomethane	1.40	94	94935	18.415	ug/l	95
6) Chloroethane	1.47	64	67762	20.049	ug/l #	87
7) Trichlorofluoromethane	1.57	101	268903m	21.012	ug/l	
8) Diethyl Ether	1.72	74	52479	20.843	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.93	101	172291	21.414	ug/l	93
10) Methyl Iodide	2.01	142	326498m	20.239	ug/l	
11) Tert butyl alcohol	2.71	59	41352	112.281	ug/l	95
12) 1,1-Dichloroethene	1.88	96	161666	22.128	ug/l	92
13) Acrolein	2.11	56	19449	128.204	ug/l	85
14) Allyl chloride	2.21	41	117940	20.808	ug/l	93
15) Acrylonitrile	3.10	53	185100	133.755	ug/l	89
16) Acetone	2.36	43	143900	103.417	ug/l	98
17) Carbon Disulfide	1.92	76	453509	21.238	ug/l	99
18) Methyl Acetate	2.47	43	58121	23.903	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	281974	21.303	ug/l	94
20) Methylene Chloride	2.38	84	161452m	21.467	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	161508m	22.048	ug/l	
22) Diisopropyl ether	2.95	45	351040	21.800	ug/l	97
23) Vinyl Acetate	3.36	43	1192282	108.151	ug/l	98
24) 1,1-Dichloroethane	3.03	63	265585	22.089	ug/l	97
25) 2-Butanone	4.54	43	360055	111.115	ug/l	99
26) 2,2-Dichloropropane	3.80	77	142675	20.899	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	261472	21.235	ug/l	99
28) Bromochloromethane	3.91	49	134592	20.580	ug/l	92
29) Tetrahydrofuran	4.29	42	138838	112.024	ug/l	99
30) Chloroform	4.07	83	362334	21.383	ug/l	94
31) Cyclohexane	3.89	56	340784m	20.936	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	195595	19.825	ug/l	97
36) 1,1-Dichloropropene	4.49	75	295902	21.937	ug/l	96
37) Ethyl Acetate	4.33	43	115748	22.448	ug/l #	82
38) Carbon Tetrachloride	4.21	117	190371	20.883	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	359861	21.436	ug/l	95
40) Benzene	4.84	78	844282	21.507	ug/l	98
41) Methacrylonitrile	4.96	41	64649	22.554	ug/l #	92
42) 1,2-Dichloroethane	5.15	62	158892	21.281	ug/l	92
43) Isopropyl Acetate	7.14	43	149909	22.009	ug/l	99
44) Trichloroethene	5.70	130	236060	21.307	ug/l	88
45) 1,2-Dichloropropane	6.43	63	210001	21.317	ug/l	100
46) Dibromomethane	6.28	93	126487	21.992	ug/l	98
47) Bromodichloromethane	6.58	83	243631	20.799	ug/l #	97
48) Methyl methacrylate	6.89	41	75780	21.588	ug/l	94
49) 1,4-Dioxane	6.89	88	20646	446.203	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	593582	122.062	ug/l	96
52) Toluene	7.80	92	452832	21.416	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	226239	23.308	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	295836	21.056	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	140995	22.321	ug/l	95
56) Ethyl methacrylate	8.77	69	148057	21.845	ug/l #	95
57) 1,3-Dichloropropane	9.01	76	239153	23.184	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	256592	108.324	ug/l	99
59) 2-Hexanone	9.64	43	376903	108.738	ug/l	99
60) Dibromochloromethane	8.87	129	180195	23.041	ug/l	99
61) 1,2-Dibromoethane	9.15	107	141119	21.511	ug/l	88
64) Tetrachloroethene	8.32	164	187835	22.077	ug/l	96
65) Chlorobenzene	9.95	112	457731	21.407	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	179569	21.087	ug/l	96
67) Ethyl Benzene	10.05	91	813403	22.168	ug/l	98
68) m/p-Xylenes	10.27	106	562443	40.057	ug/l	85
69) o-Xylene	10.83	106	299927	21.098	ug/l	94
70) Styrene	10.90	104	456530	21.788	ug/l	99
71) Bromoform	10.89	173	89633	21.942	ug/l #	100
73) Isopropylbenzene	11.23	105	825226	20.814	ug/l	95
74) N-amyl acetate	11.45	43	248115	22.204	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	175059	20.676	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	117200	20.883	ug/l	95
77) Bromobenzene	11.59	156	209423	21.023	ug/l	95
78) n-propylbenzene	11.68	91	999876	20.887	ug/l	91
79) 2-Chlorotoluene	11.81	91	523280	19.104	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	693671	21.394	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	49847m	20.979	ug/l	
82) 4-Chlorotoluene	11.98	91	559393	20.781	ug/l	94
83) tert-Butylbenzene	12.20	119	642040	19.984	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	519453	16.898	ug/l	94
85) sec-Butylbenzene	12.38	105	904745	21.372	ug/l	97
86) p-Isopropyltoluene	12.53	119	753079	21.372	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	385072	21.918	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	341458	20.826	ug/l	97
89) n-Butylbenzene	12.90	91	702191	19.810	ug/l	89
90) Hexachloroethane	12.98	117	151539	17.633	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	309903	20.069	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.70	75	19043	20.645	ug/l	78

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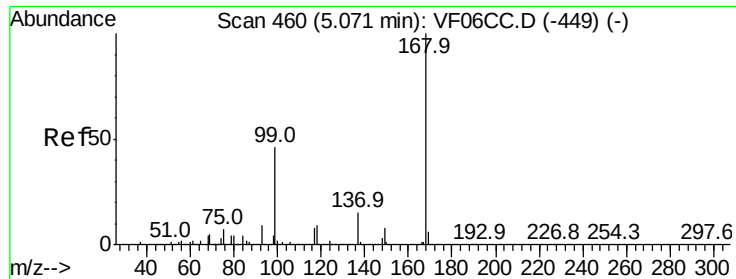
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	212512	20.043	ug/l	96
94) Hexachlorobutadiene	14.23	225	145067	19.778	ug/l	96
95) Naphthalene	14.50	128	344899	19.856	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	197395	20.396	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion:168 Resp: 879164

Ion Ratio Lower Upper

168 100

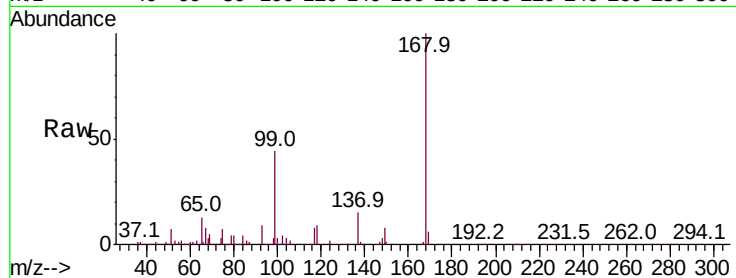
99 43.8 39.1 58.7

Manual Integrations

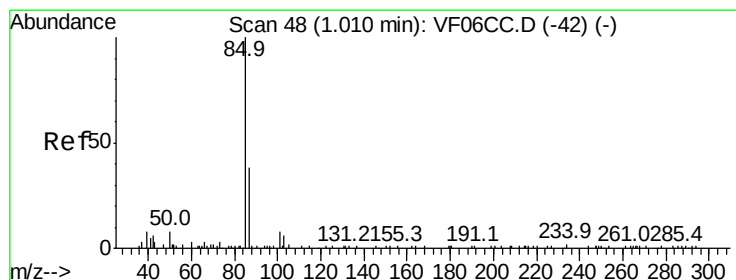
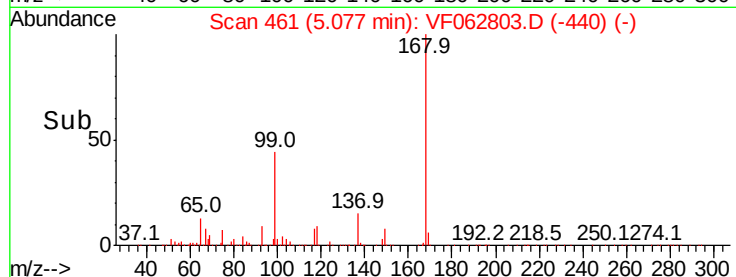
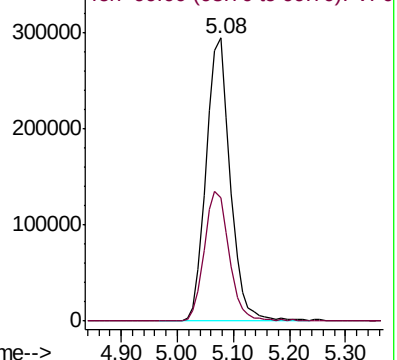
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.660 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062803.D

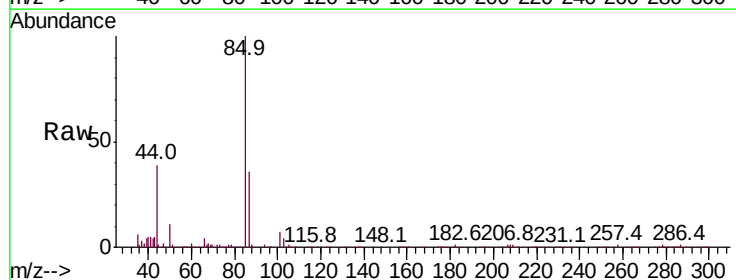
Acq: 31 May 2019 12:33

Tgt Ion: 85 Resp: 239749

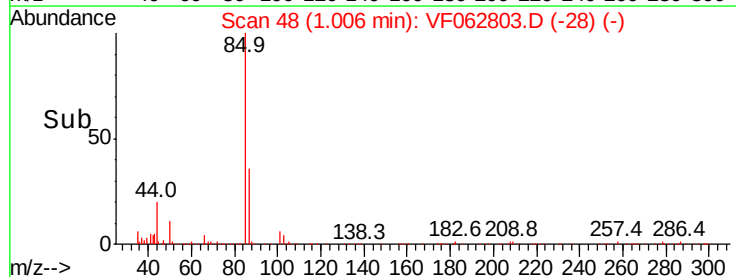
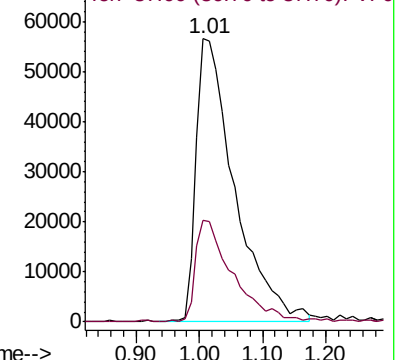
Ion Ratio Lower Upper

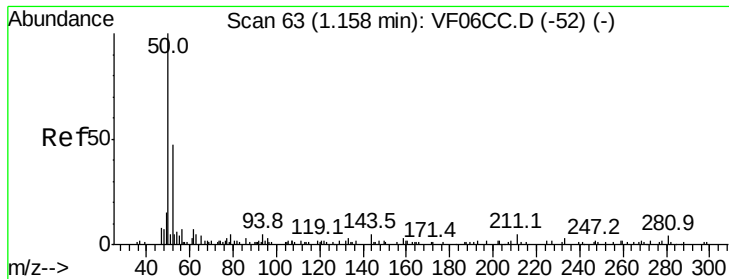
85 100

87 36.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 21.431 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 50 Resp: 194949

Ion Ratio Lower Upper

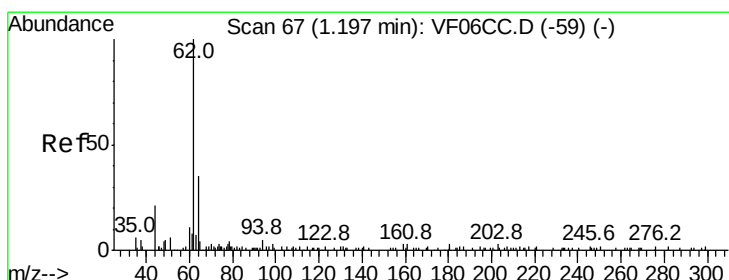
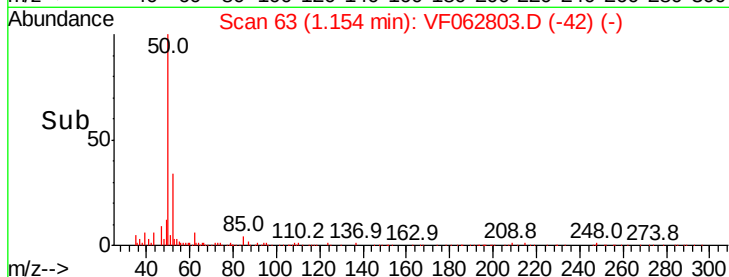
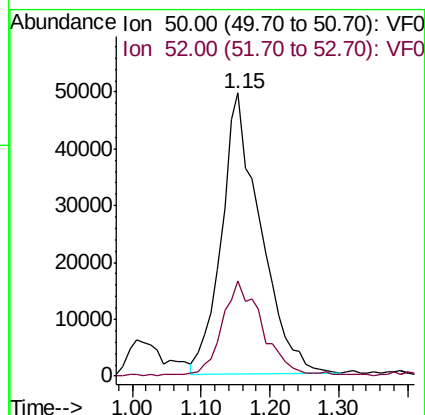
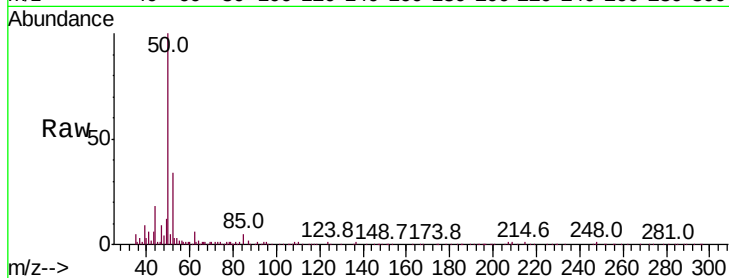
50 100

52 33.7 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.528 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062803.D

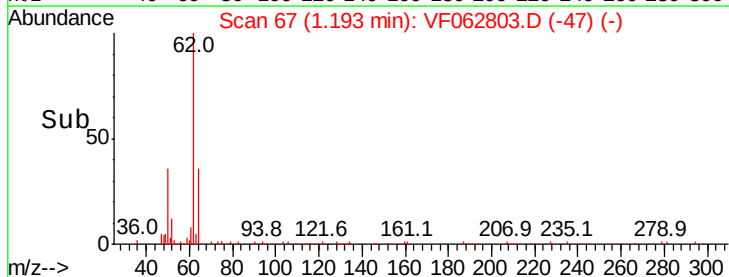
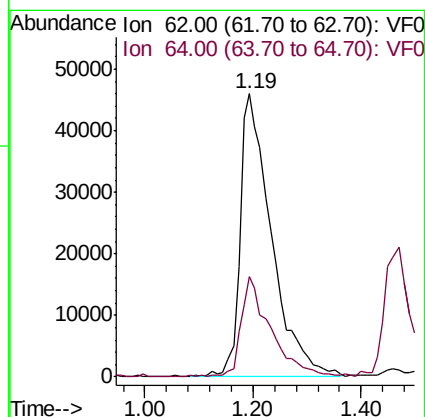
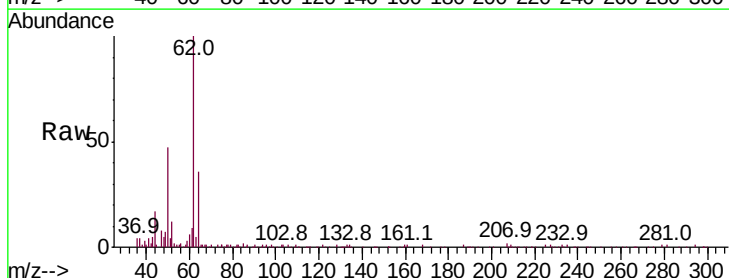
Acq: 31 May 2019 12:33

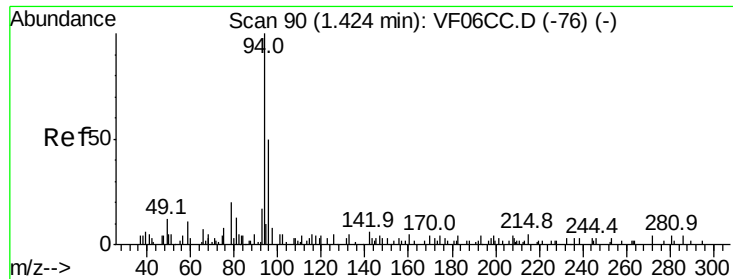
Tgt Ion: 62 Resp: 185568

Ion Ratio Lower Upper

62 100

64 35.5 26.2 39.2





#5

Bromomethane

Concen: 18.415 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 94 Resp: 94935

Ion Ratio Lower Upper

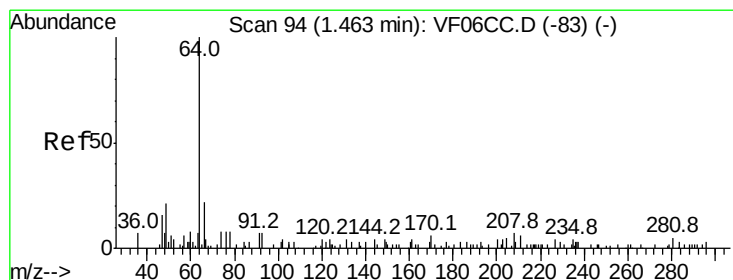
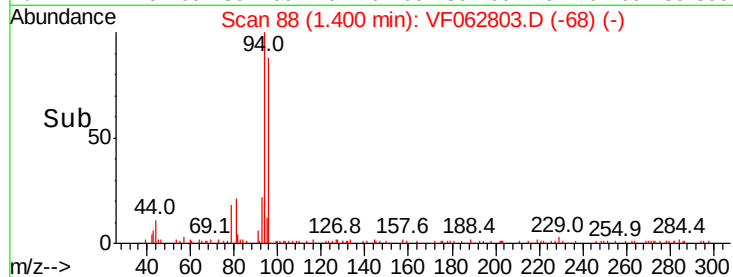
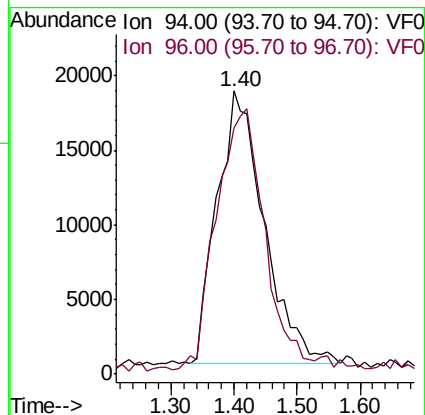
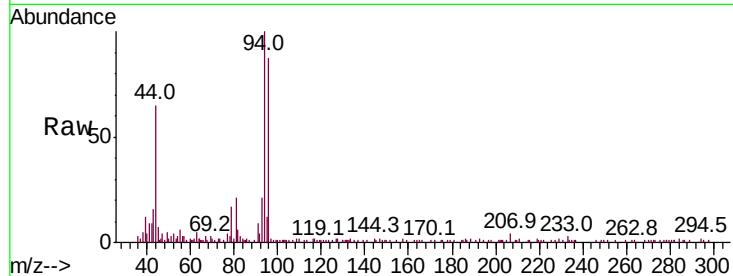
94 100

96 87.0 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 20.049 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF062803.D

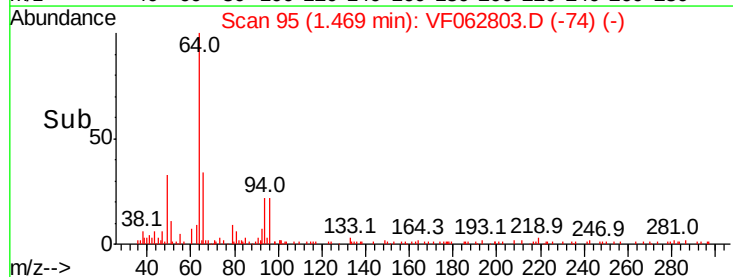
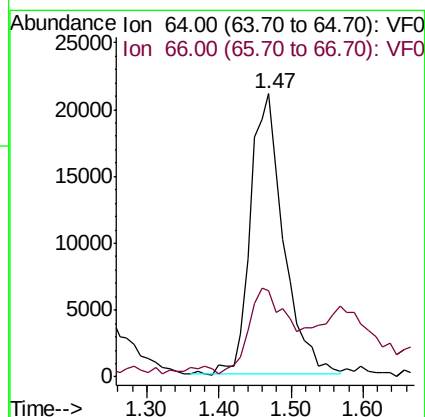
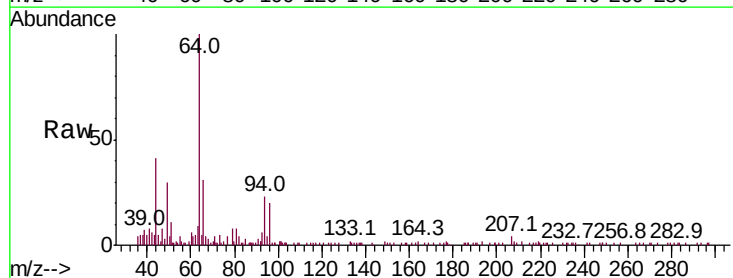
Acq: 31 May 2019 12:33

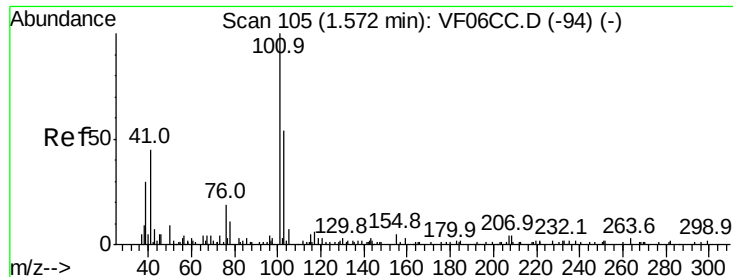
Tgt Ion: 64 Resp: 67762

Ion Ratio Lower Upper

64 100

66 30.5 31.0 46.4#





#7

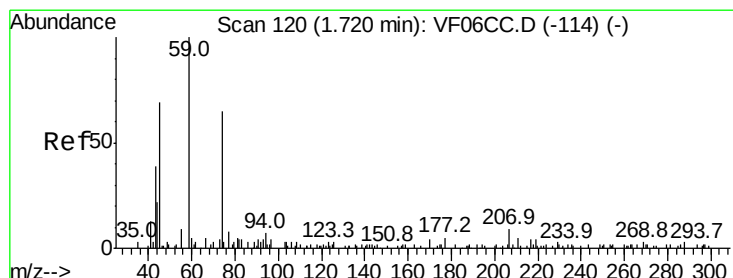
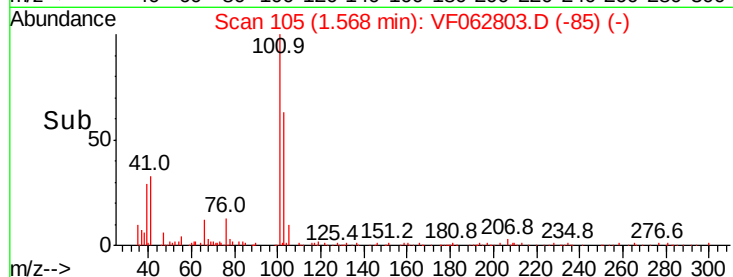
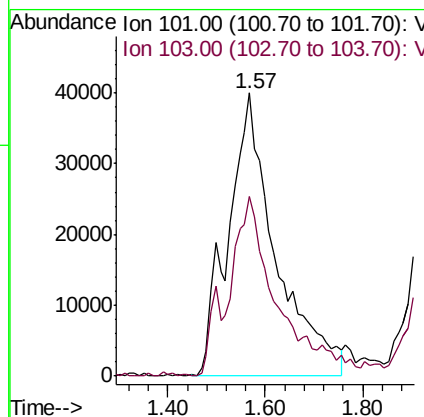
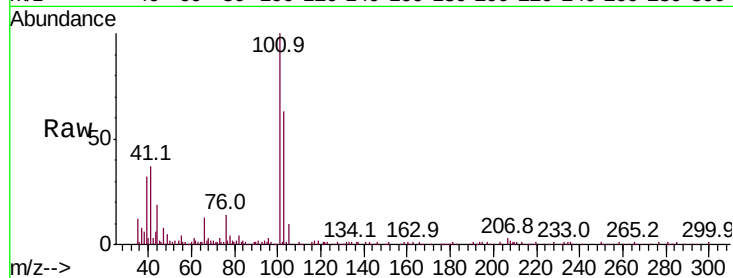
Trichlorofluoromethane
Concen: 21.012 ug/l m
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

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VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	268903		
103	63.4	54.6	82.0	

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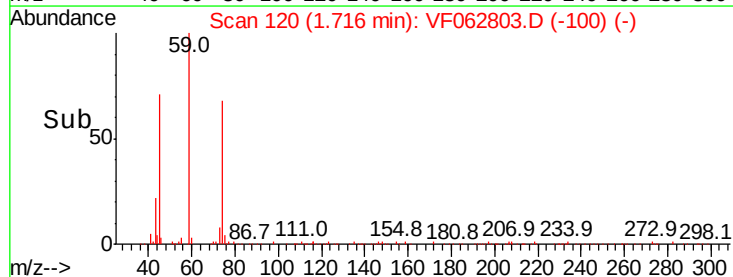
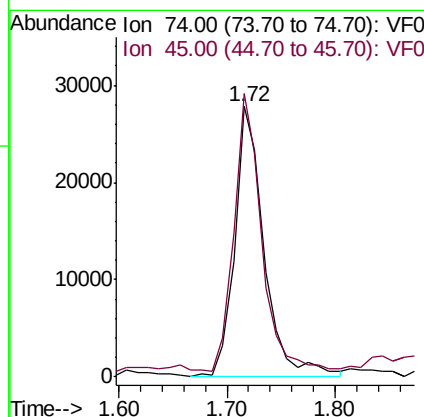
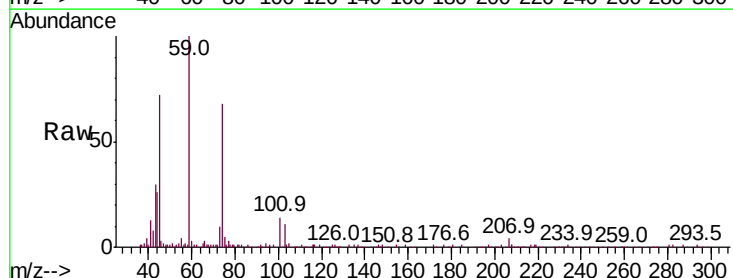
MMDadoda
6/4/2019 8:45:22 AM

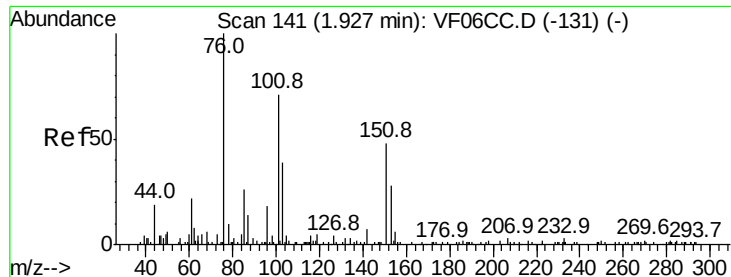


#8

Diethyl Ether
Concen: 20.843 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52479		
45	104.7	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.414 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

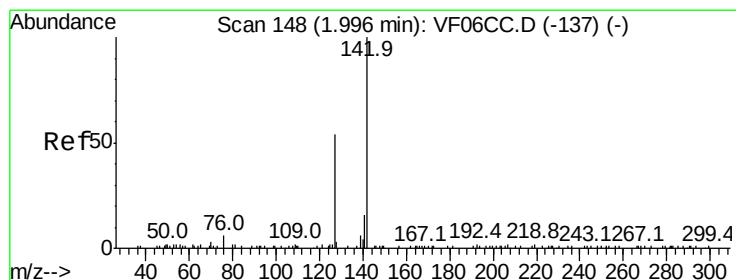
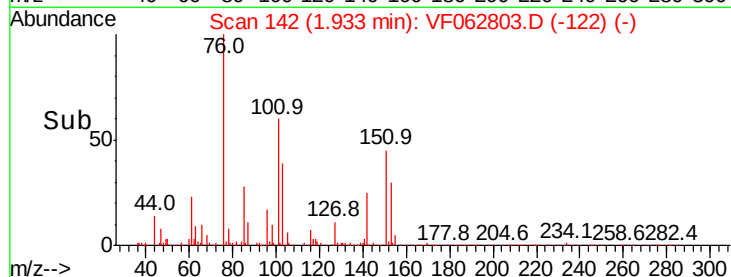
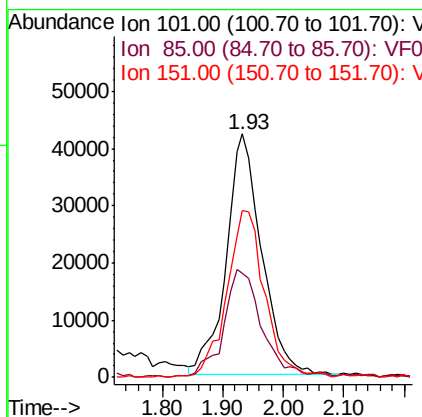
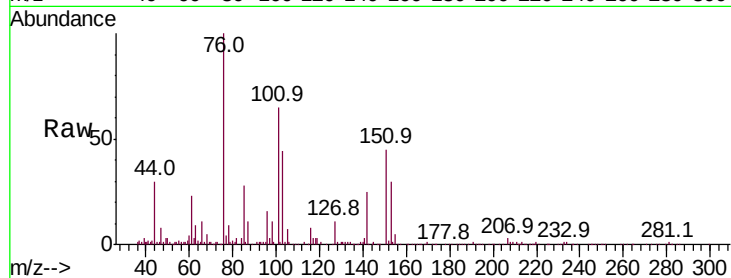
ClientSampleId :

VF0531SBS01

Tot Ion:	101	Resp:	172291
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.1	55.7
151	68.6	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.239 ug/l m

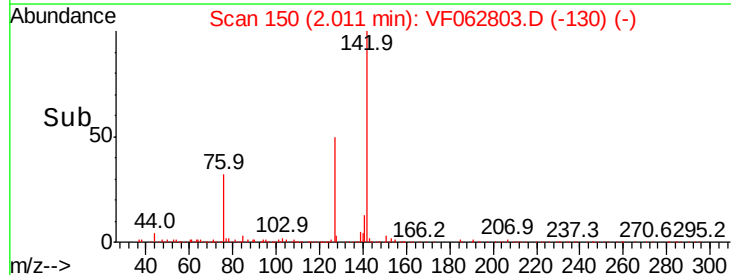
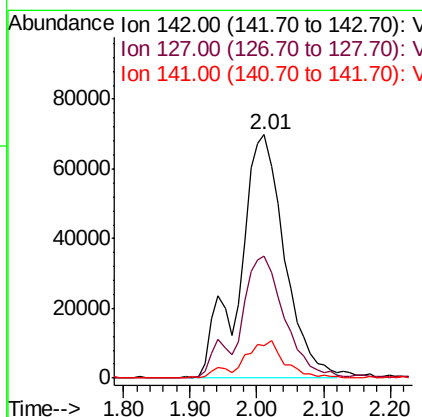
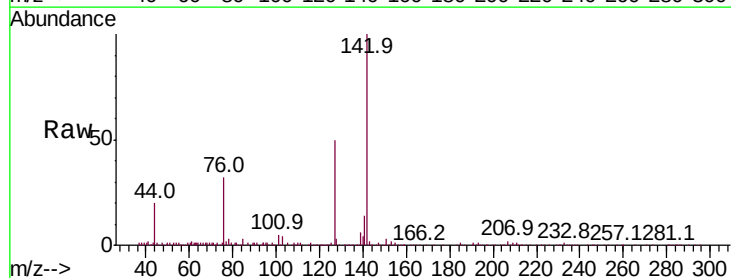
RT: 2.01 min Scan# 150

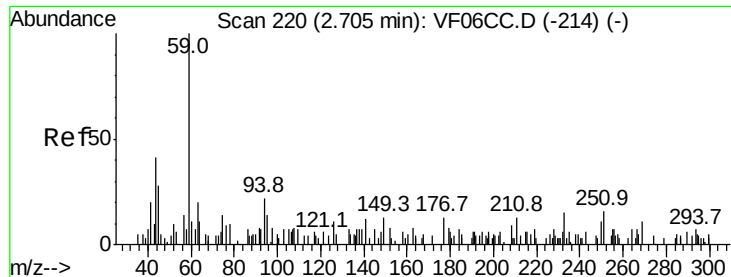
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	142	Resp:	326498
Ion Ratio	Lower	Upper	
142	100		
127	50.3	39.4	59.2
141	13.6	10.6	15.8





#11

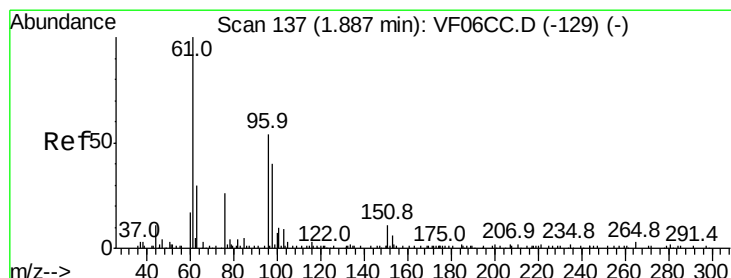
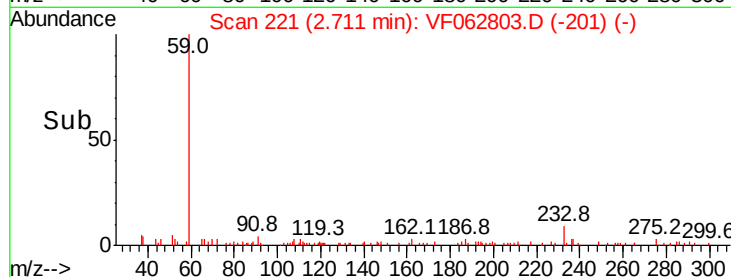
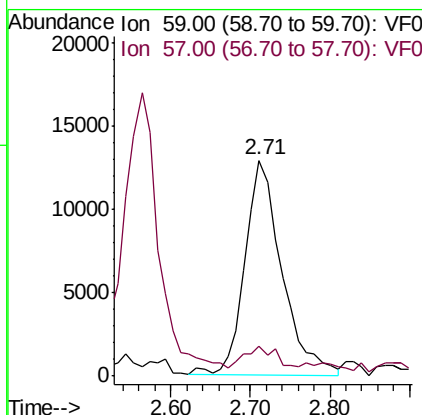
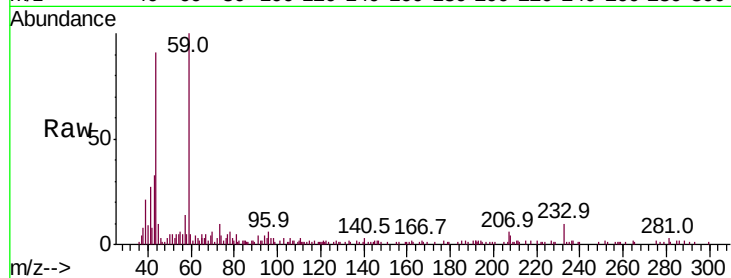
Tert butyl alcohol
 Concen: 112.281 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	59	Resp	41352
Ion Ratio	100	Lower	Upper
57	13.6	9.2	13.8

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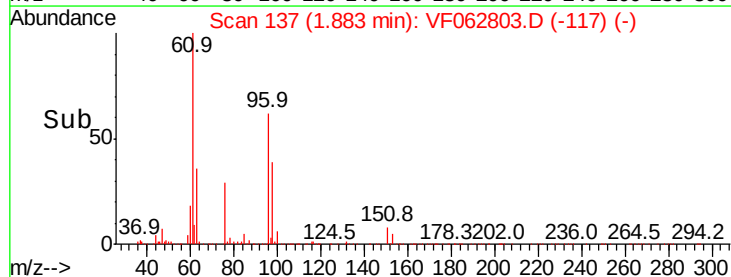
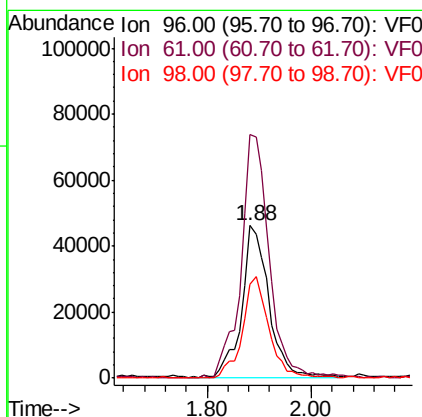
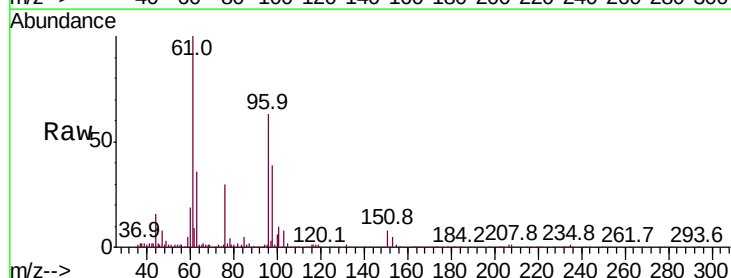
MMDadoda
 6/4/2019 8:45:22 AM

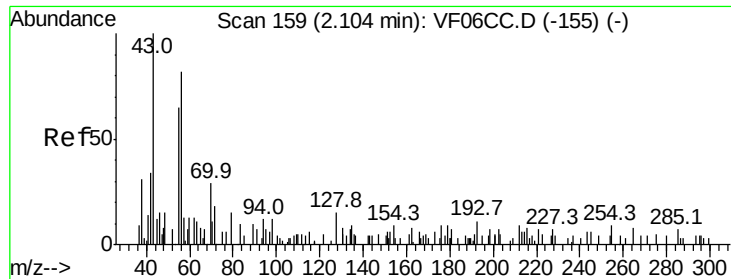


#12

1,1-Dichloroethene
 Concen: 22.128 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	96	Resp	161666
Ion Ratio	100	Lower	Upper
61	159.5	139.4	209.2
98	61.9	50.3	75.5





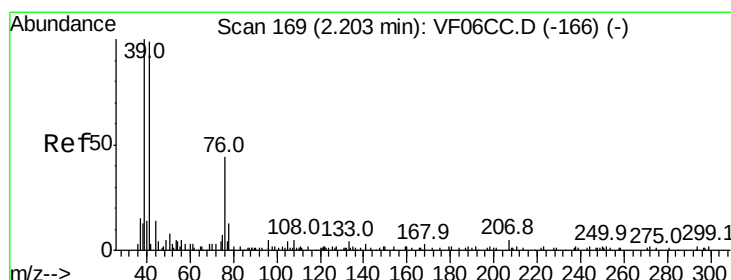
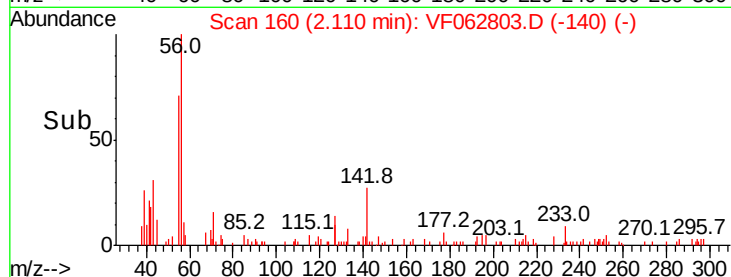
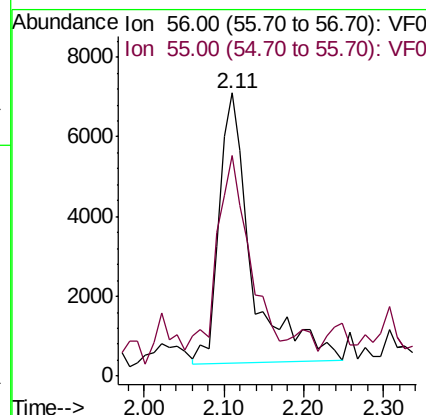
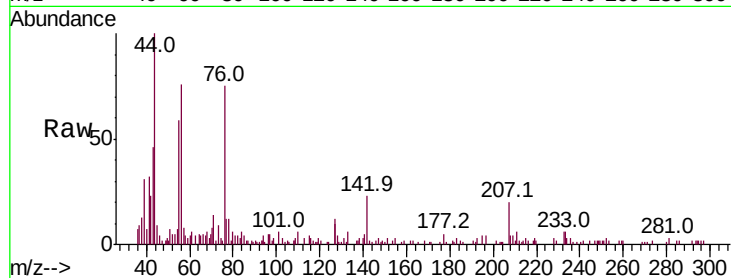
#13
Acrolein
Concen: 128.204 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.8	52.9	79.3

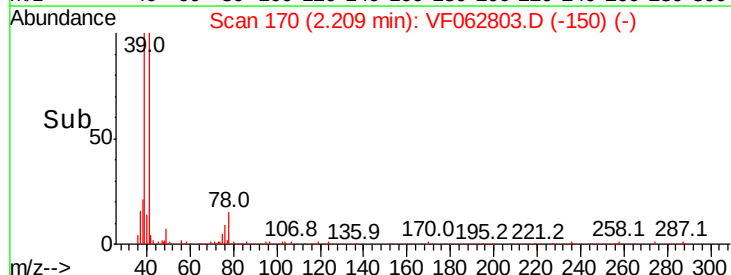
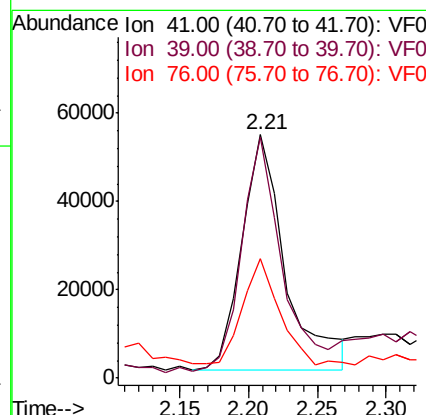
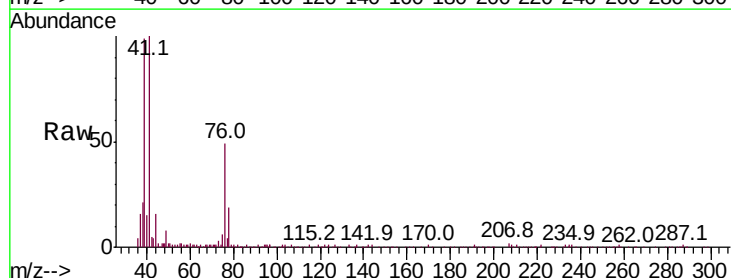
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APPROVED

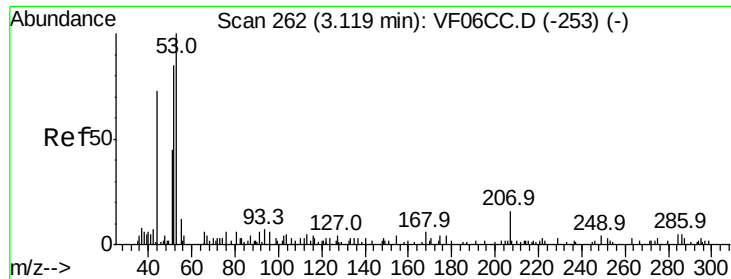
MMDadoda
6/4/2019 8:45:22 AM



#14
Allyl chloride
Concen: 20.808 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	99.3	71.9	107.9
76	49.3	39.6	59.4





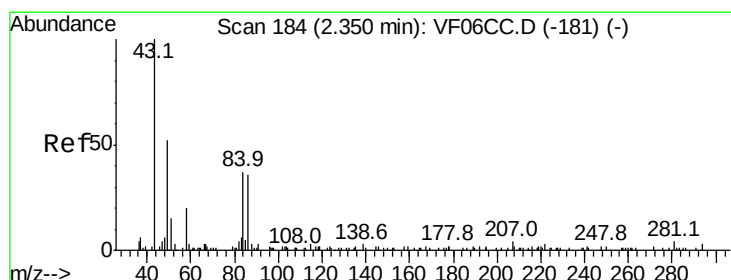
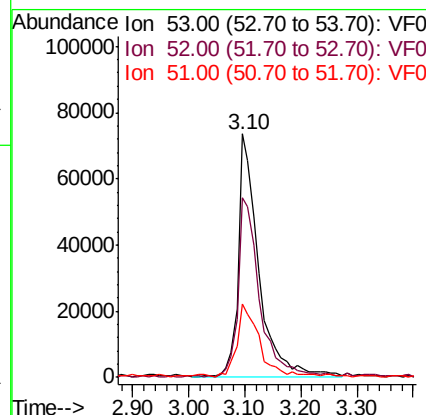
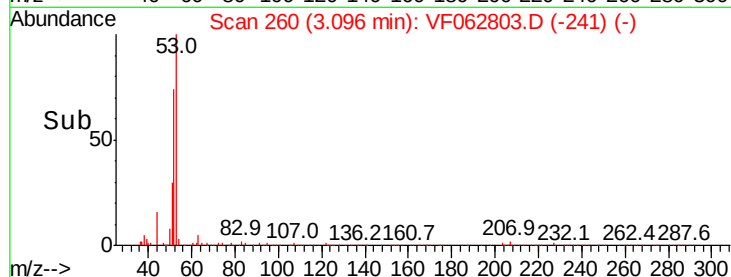
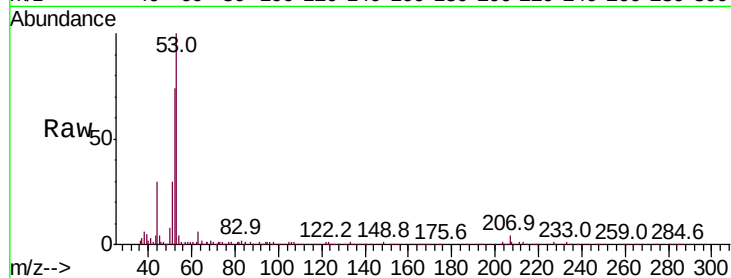
#15
Acrylonitrile
Concen: 133.755 ug/l
RT: 3.10 min Scan# 260
Delta R.T. -0.02 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
53	100	185100		
52	73.9		68.1	102.1
51	30.1		27.7	41.5

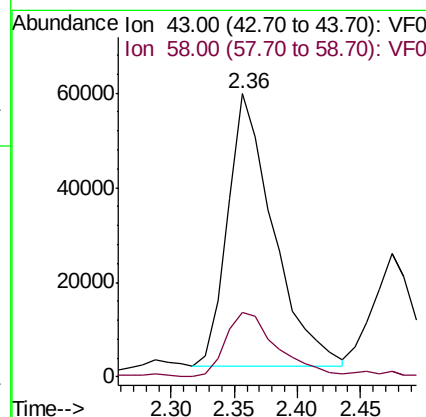
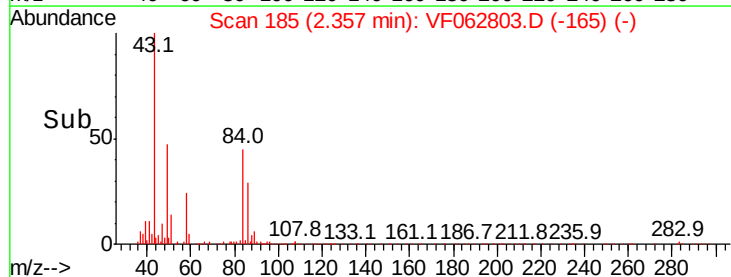
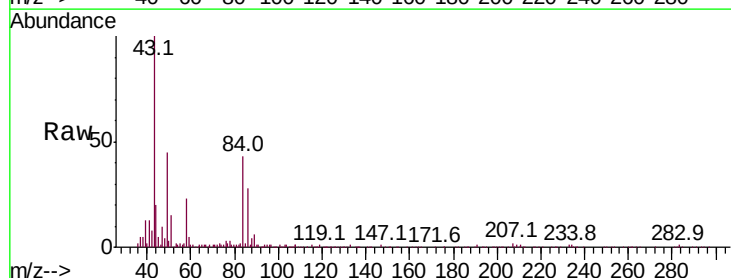
Manual Integrations
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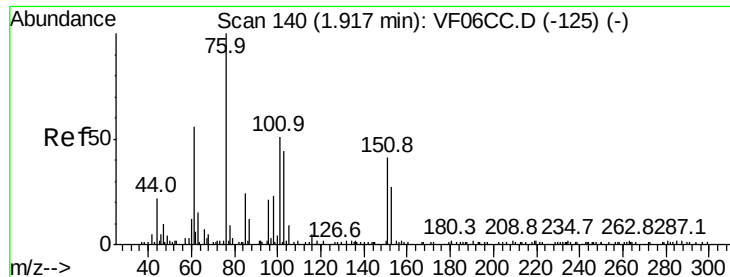
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#16
Acetone
Concen: 103.417 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	143900		
58	22.8		19.0	28.4





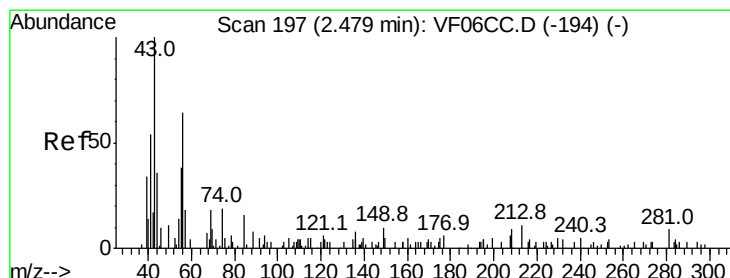
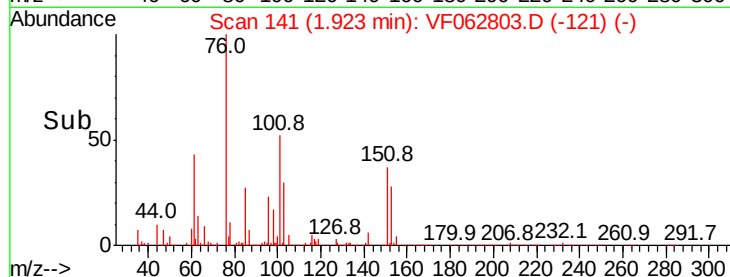
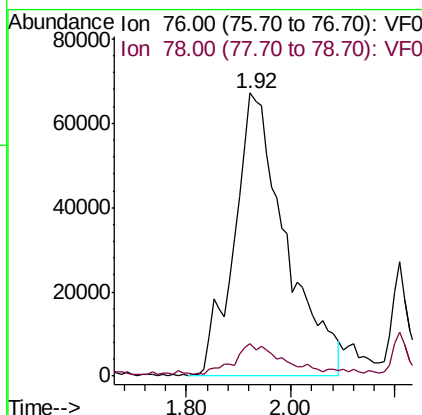
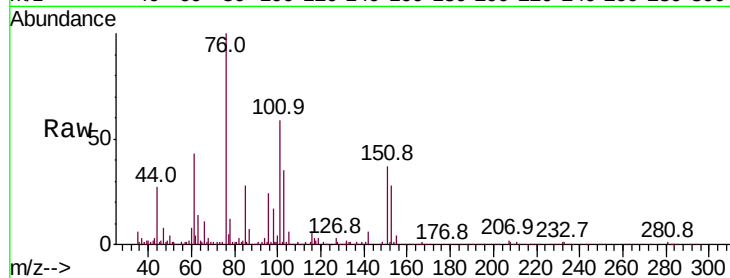
#17
Carbon Disulfide
Concen: 21.238 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.6	9.4	14.2

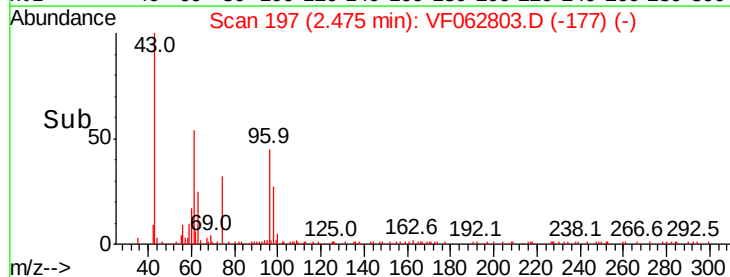
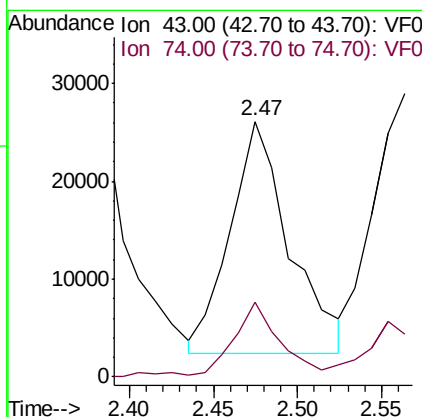
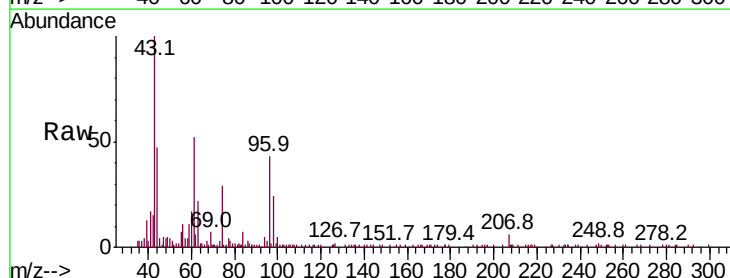
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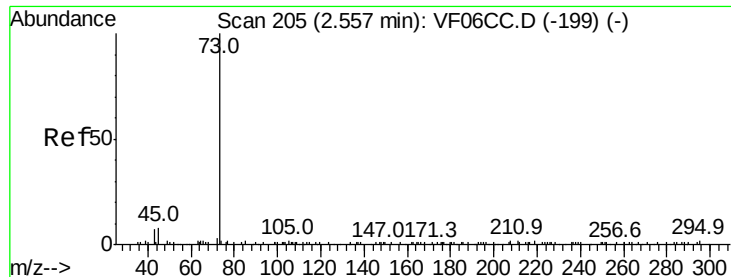
MMDadoda
6/4/2019 8:45:22 AM



#18
Methyl Acetate
Concen: 23.903 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.2	22.1	33.1





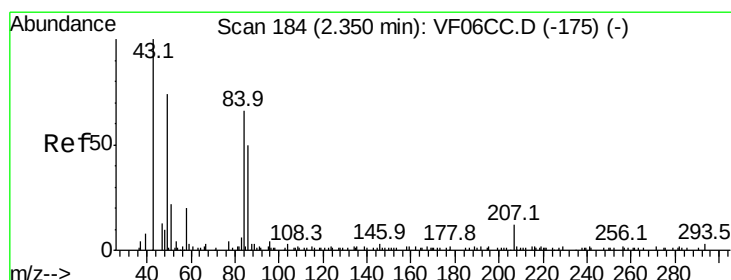
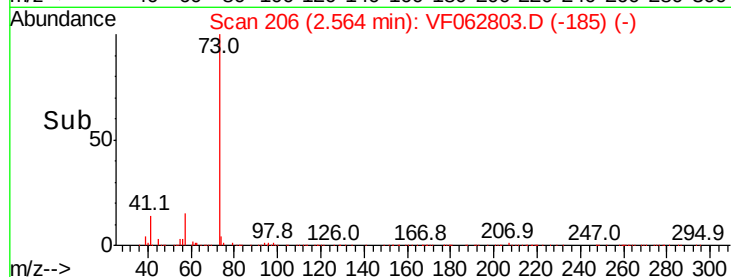
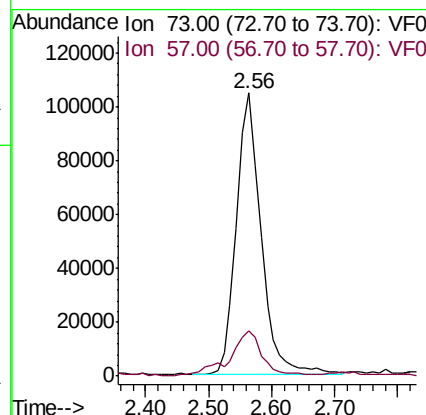
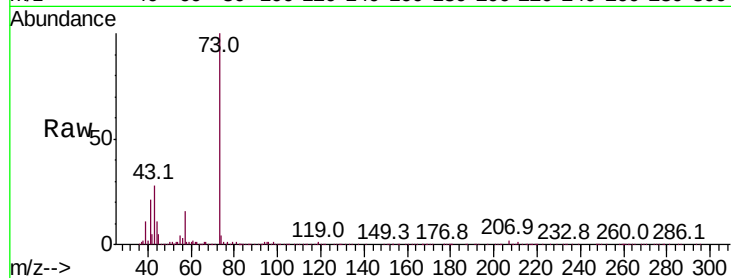
#19
Methyl tert-butyl Ether
Concen: 21.303 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.1	15.1	22.7

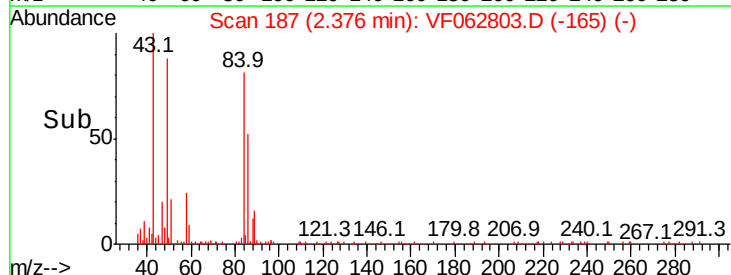
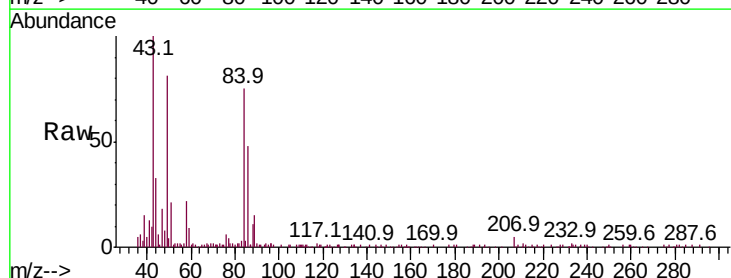
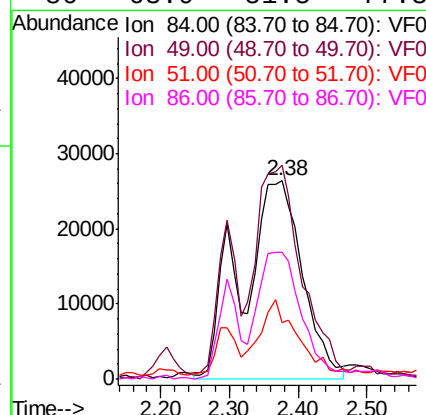
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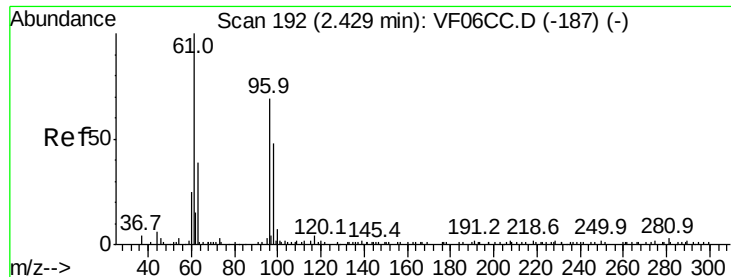
MMDadoda
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#20
Methylene Chloride
Concen: 21.467 ug/l m
RT: 2.38 min Scan# 187
Delta R.T. 0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.8	82.6	123.8
51	28.4	25.0	37.4
86	63.9	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 22.048 ug/l m

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062803.D

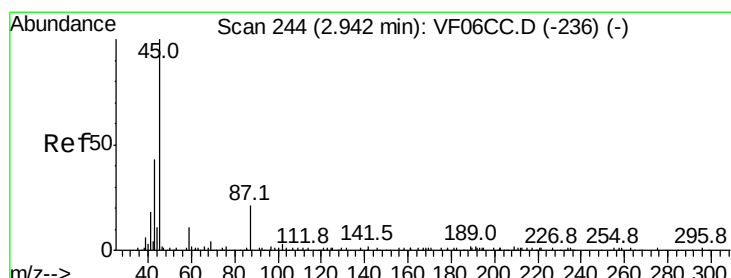
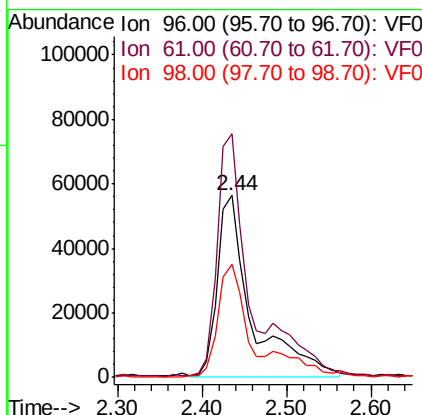
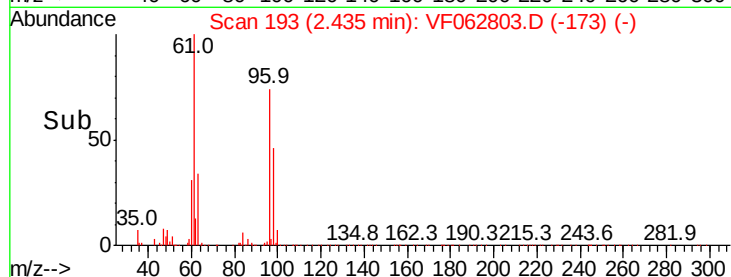
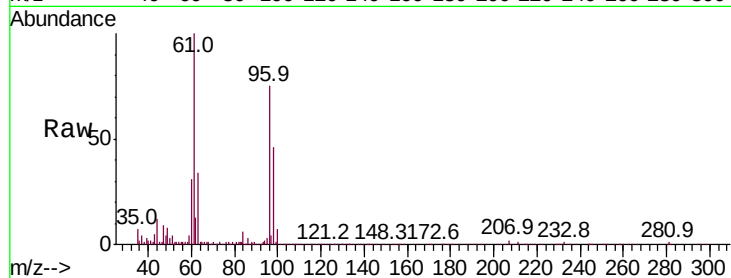
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	105.0	157.6
98	62.0	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.800 ug/l

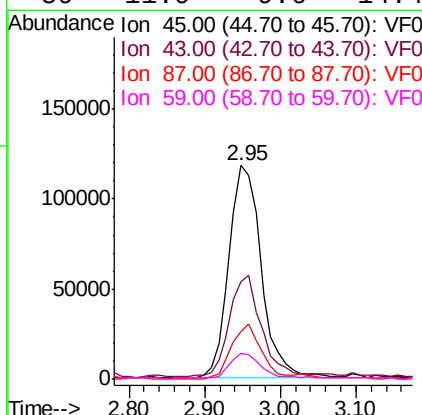
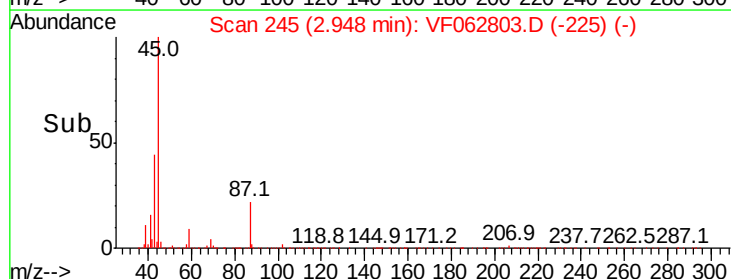
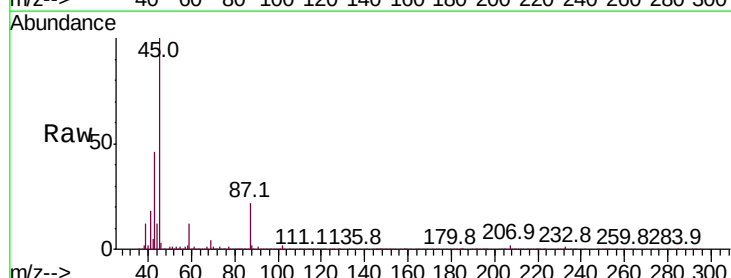
RT: 2.95 min Scan# 245

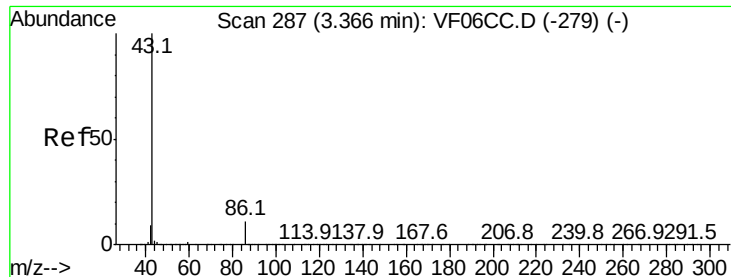
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	45.7	34.3	51.5
87	22.2	19.0	28.4
59	11.9	9.6	14.4





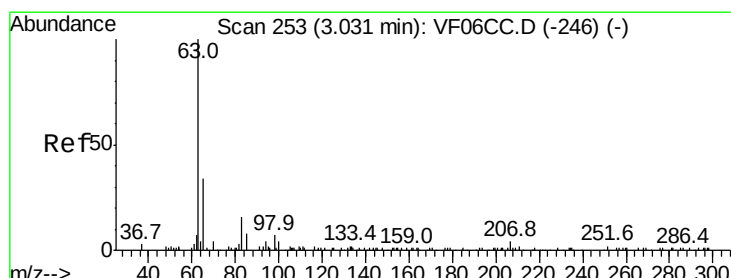
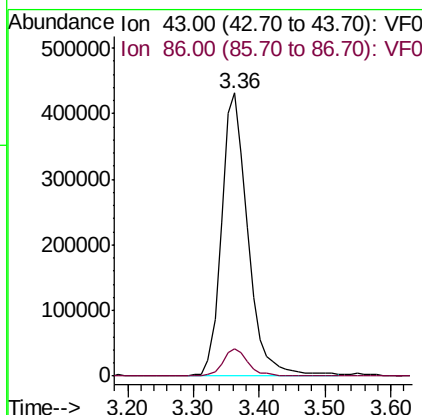
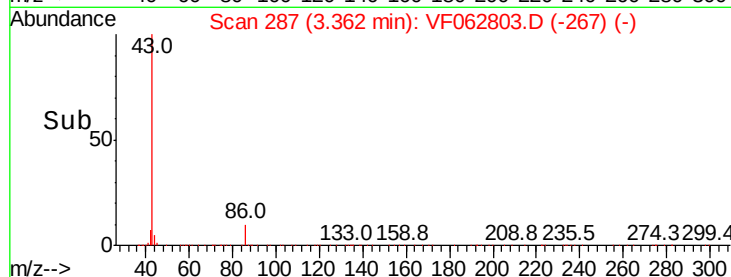
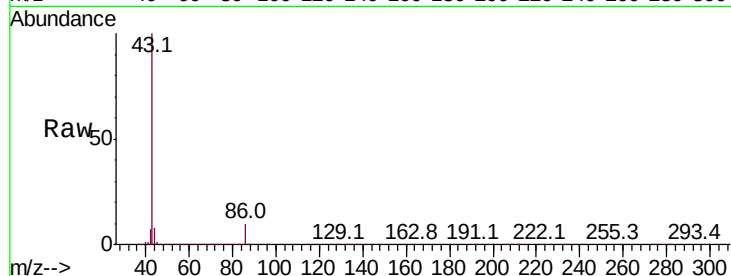
#23
 Vinyl Acetate
 Concen: 108.151 ug/l
 RT: 3.36 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion: 43 Resp: 1192282
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.2 12.2

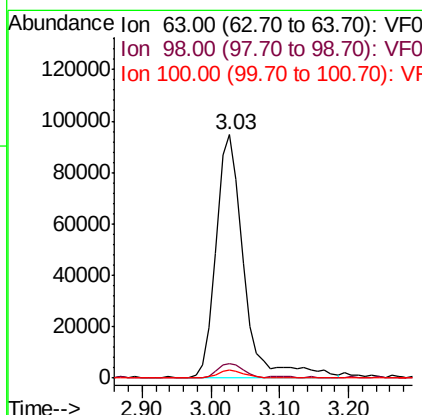
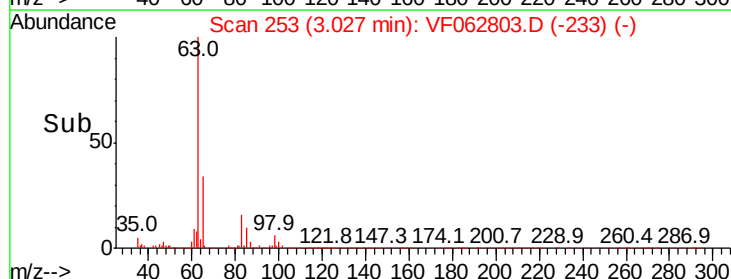
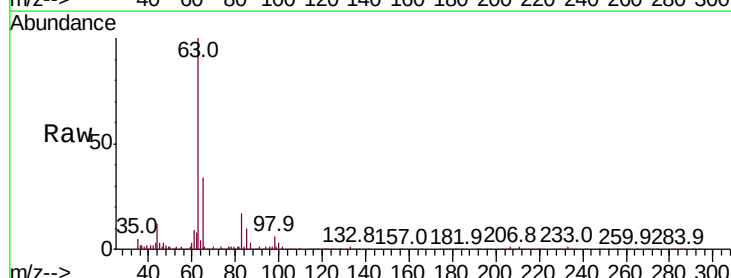
Manual Integrations
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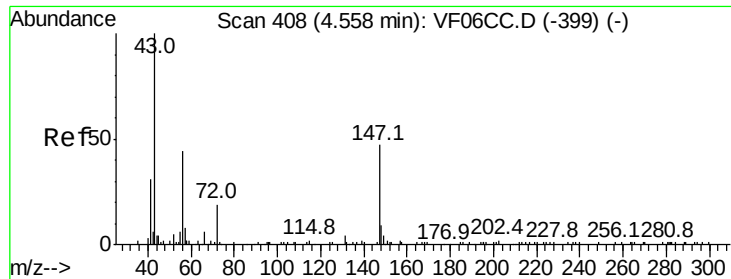
MMDadoda
 6/4/2019 8:45:22 AM



#24
 1,1-Dichloroethane
 Concen: 22.089 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion: 63 Resp: 265585
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.4 7.1
 100 3.4 1.5 4.5





#25

2-Butanone

Concen: 111.115 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 43 Resp: 360055

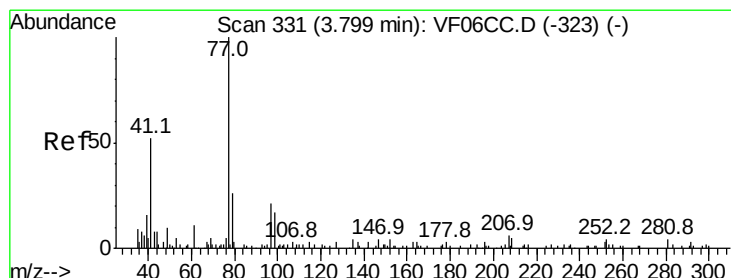
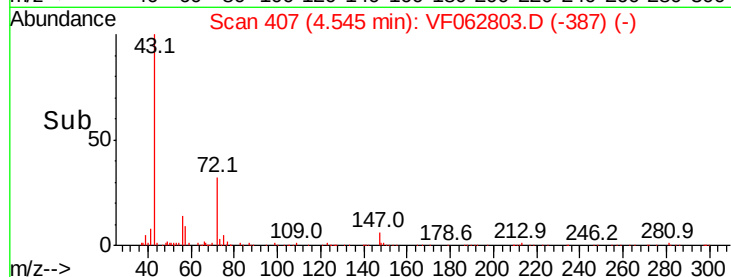
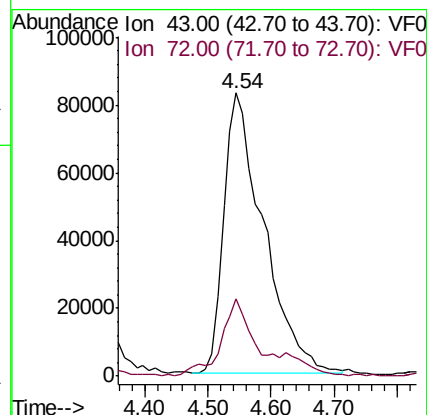
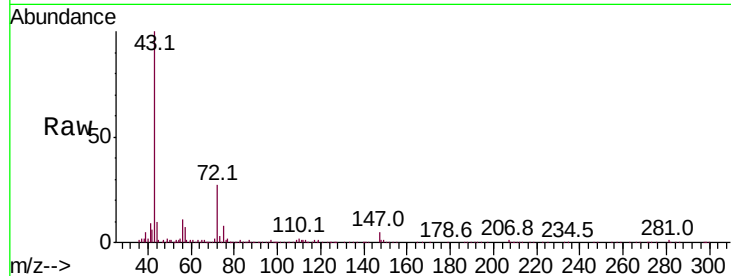
Ion Ratio Lower Upper

43 100

72 27.2 21.4 32.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:22 AM



#26

2,2-Dichloropropane

Concen: 20.899 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062803.D

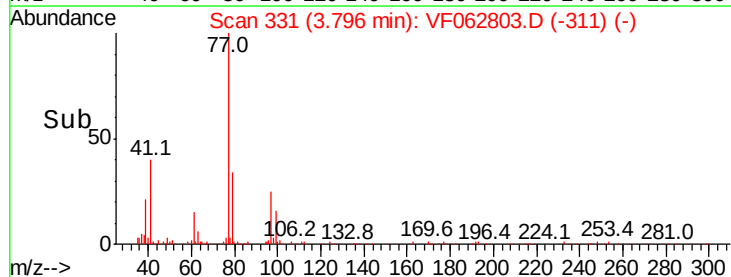
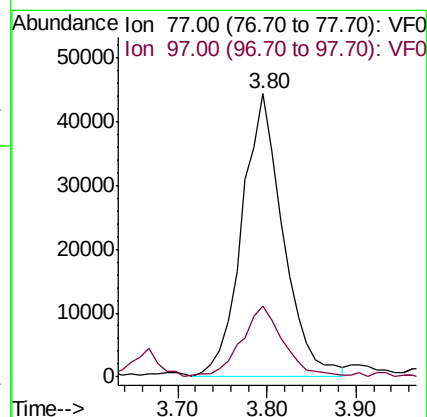
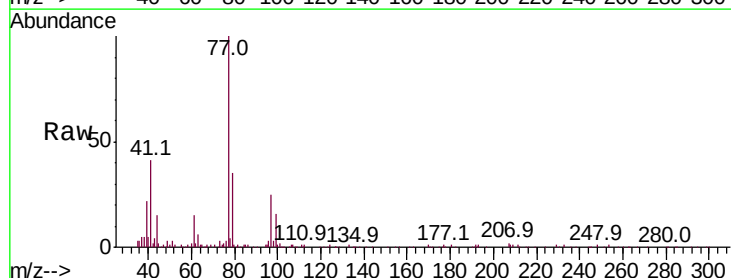
Acq: 31 May 2019 12:33

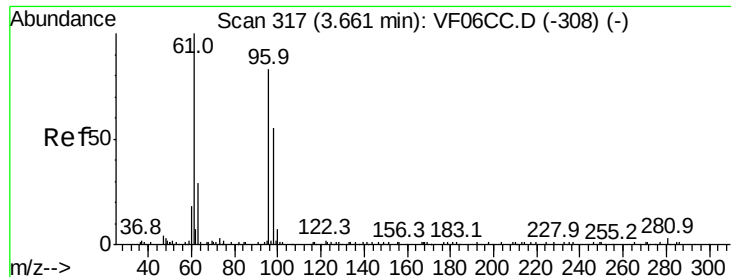
Tgt Ion: 77 Resp: 142675

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4





#27

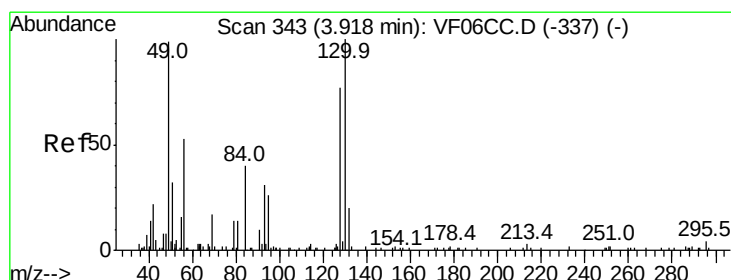
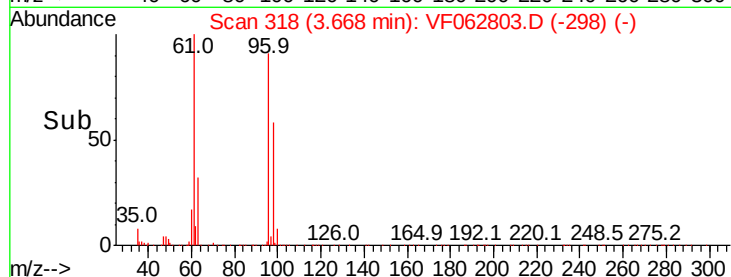
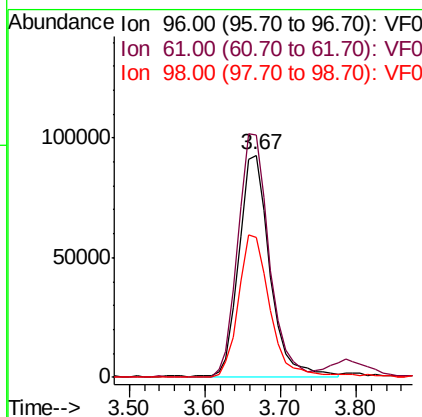
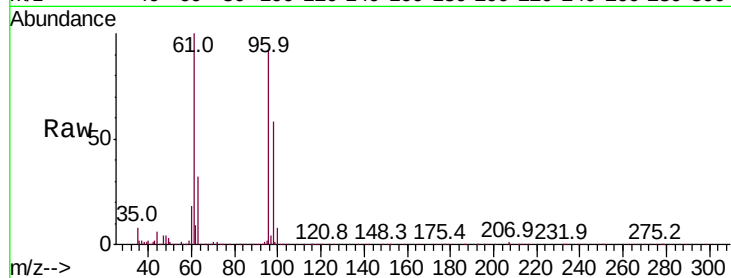
cis-1,2-Dichloroethene
Concen: 21.235 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	261472		
61	109.0		0.0	213.8
98	63.3		0.0	127.0

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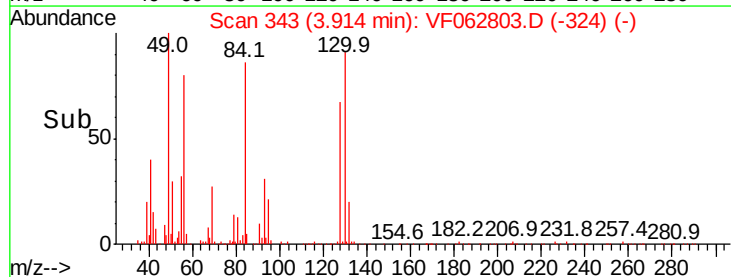
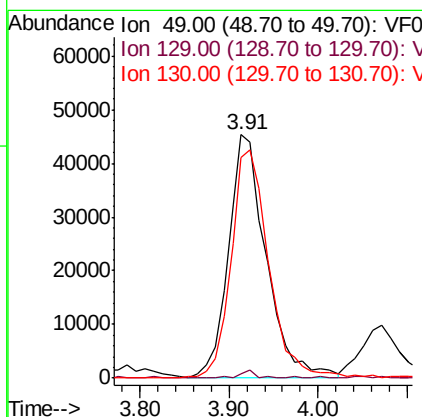
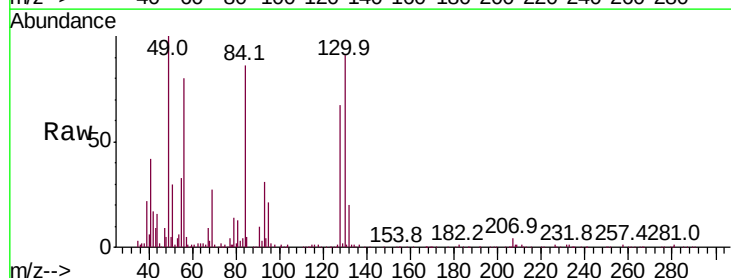
MMDadoda
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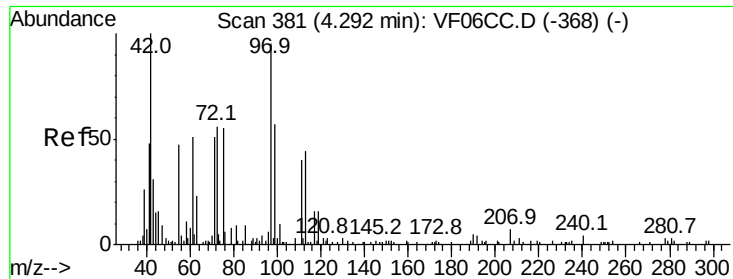


#28

Bromochloromethane
Concen: 20.580 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134592		
129	1.6		0.0	5.4
130	90.8		79.2	118.8





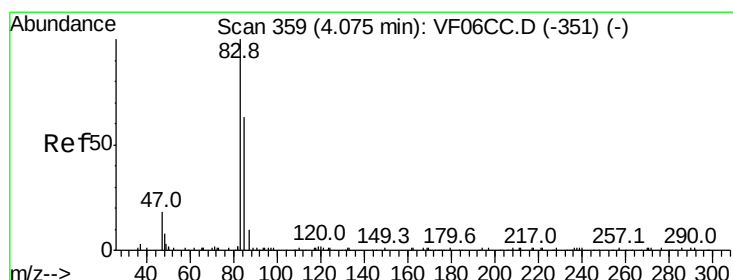
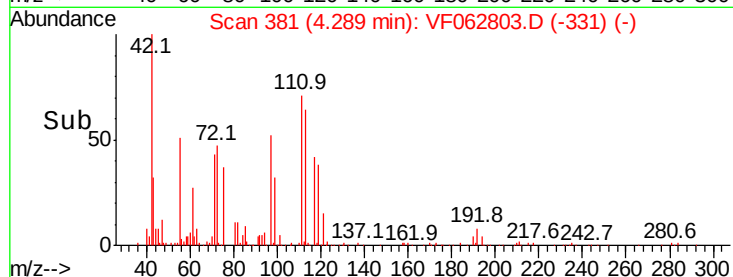
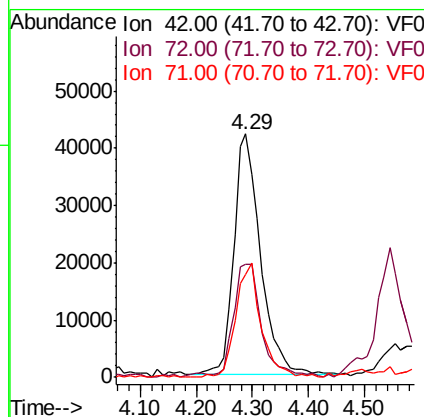
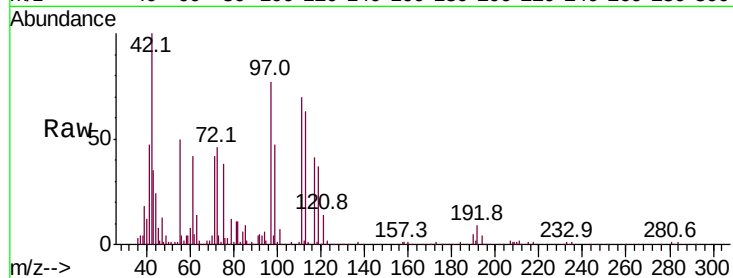
#29
Tetrahydrofuran
Concen: 112.024 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	138838		
72	47.8		39.0	58.6
71	45.2		36.9	55.3

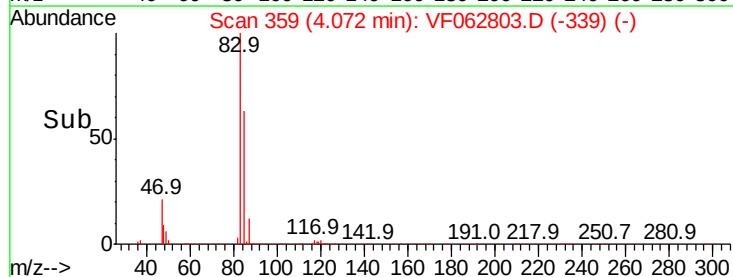
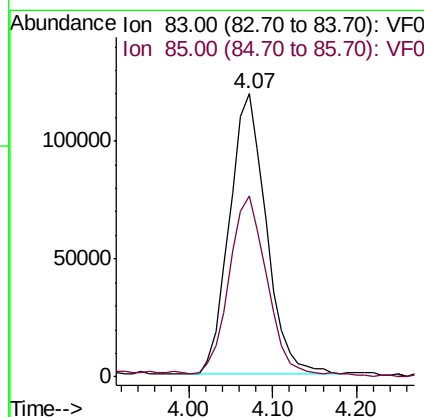
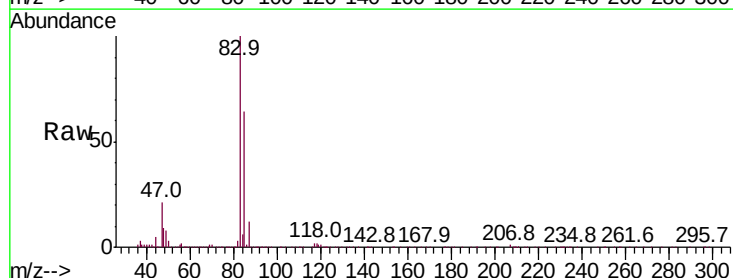
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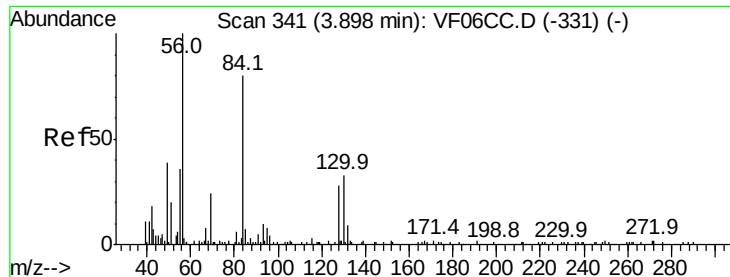
MMDadoda
6/4/2019 8:45:22 AM



#30
Chloroform
Concen: 21.383 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	362334		
85	63.9		55.0	82.6





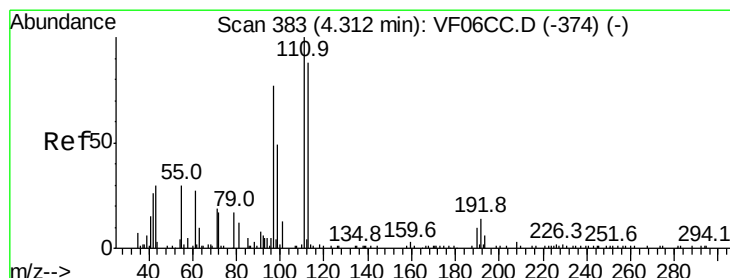
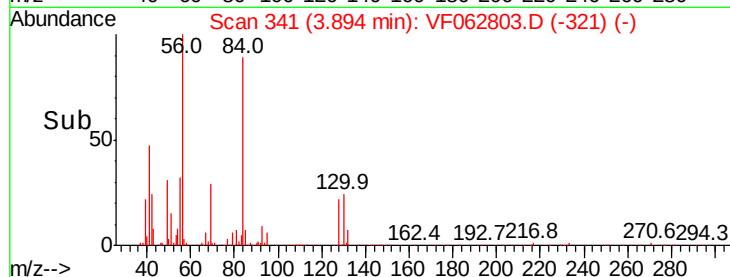
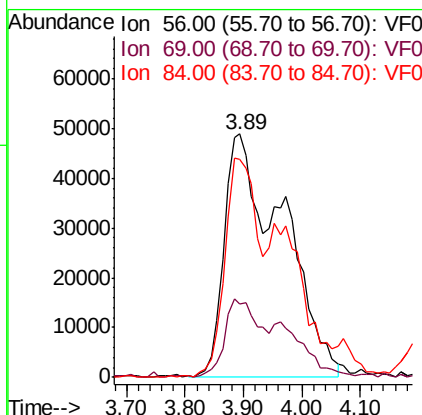
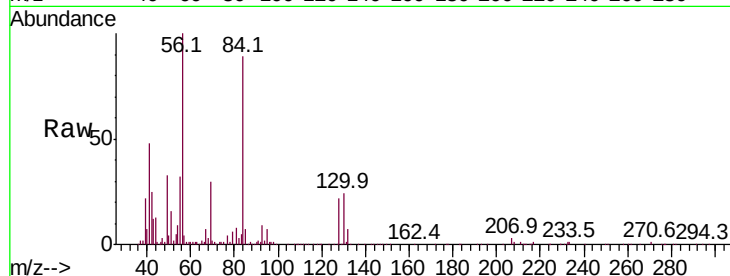
#31
Cyclohexane
Concen: 20.936 ug/l m
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	30.0	26.7	40.1	
84	89.4	74.3	111.5	

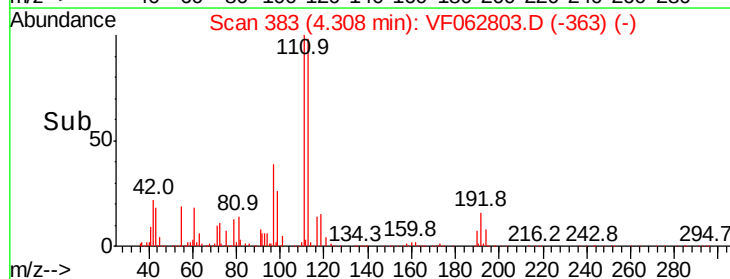
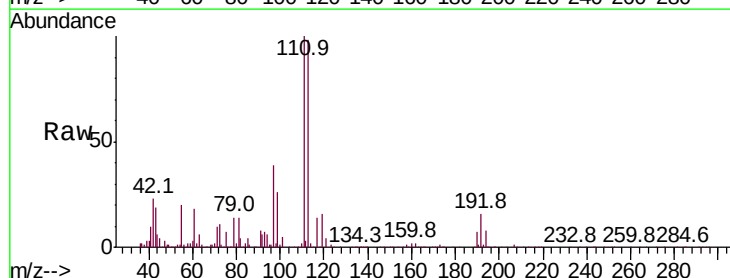
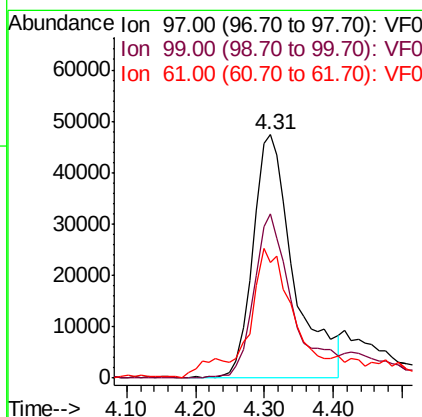
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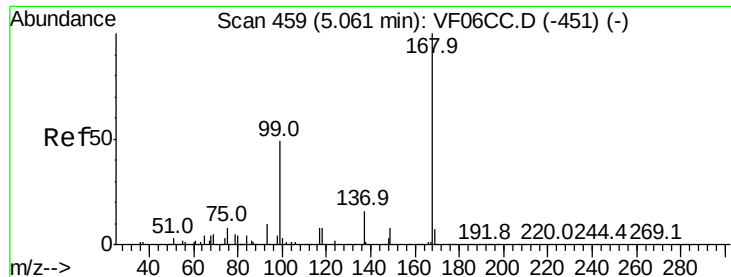
MMDadoda
6/4/2019 8:45:22 AM



#32
1,1,1-Trichloroethane
Concen: 19.825 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	67.6	51.7	77.5	
61	47.6	38.9	58.3	





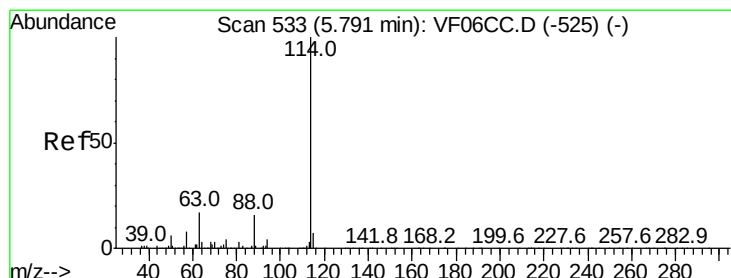
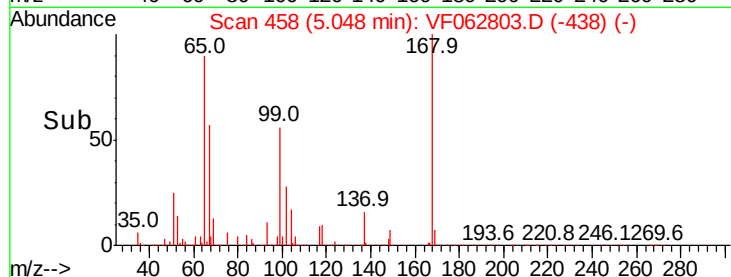
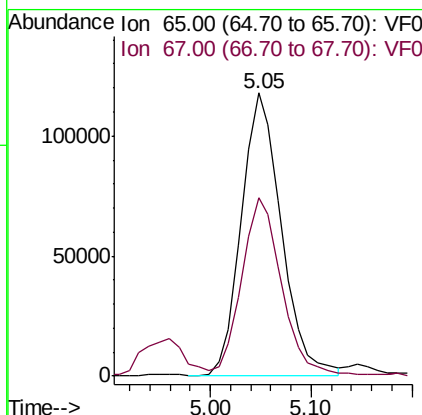
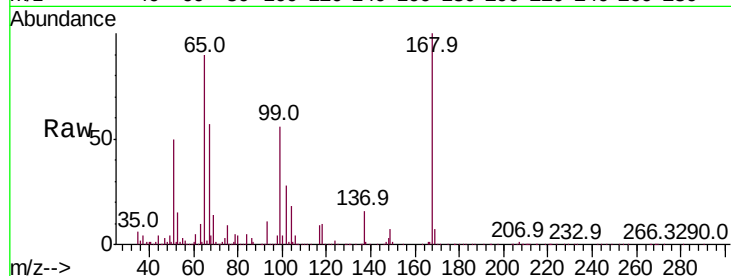
#33
 1,2-Dichloroethane-d4
 Concen: 53.409 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	63.0	0.0	121.2

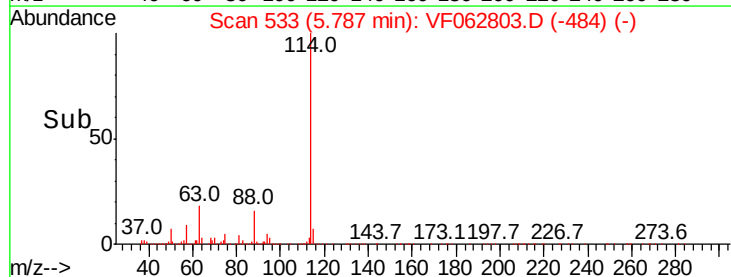
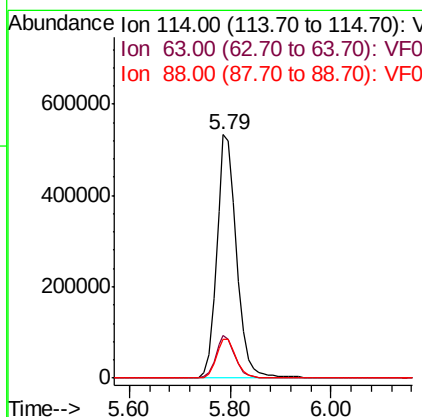
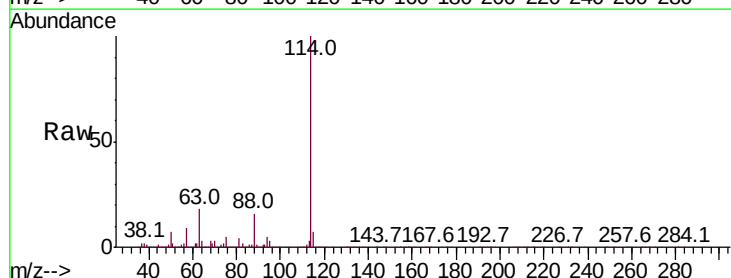
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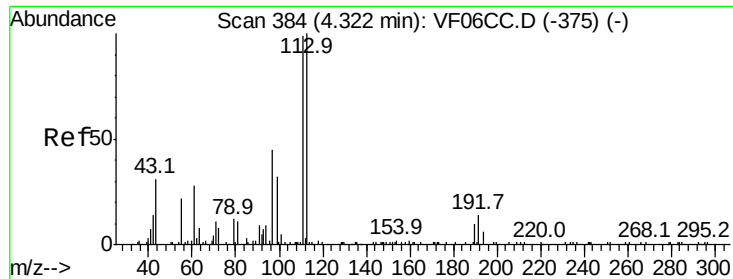
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	34.2
88	15.8	0.0	31.2





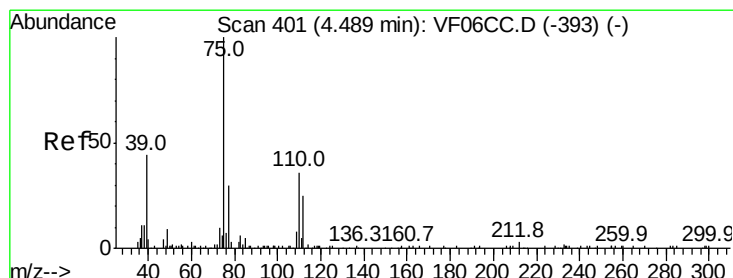
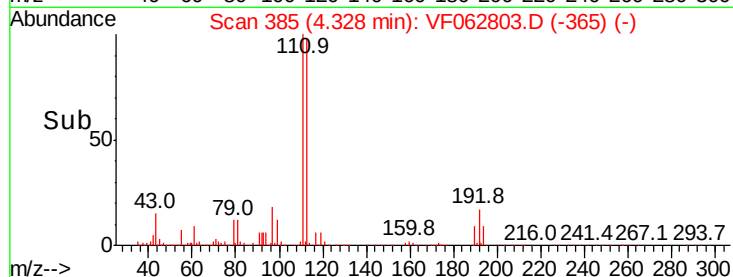
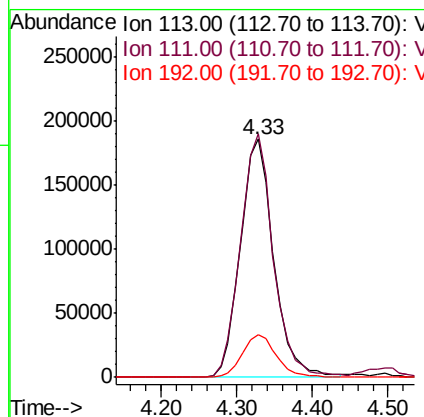
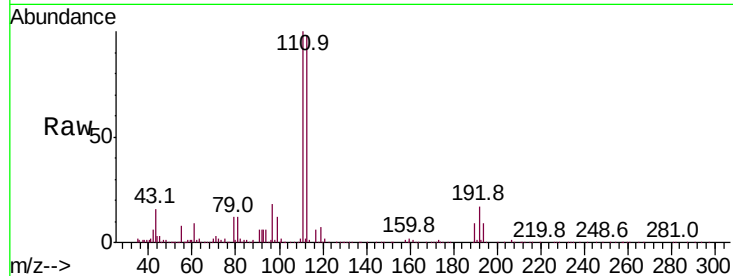
#35
 Dibromofluoromethane
 Concen: 51.287 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	567839		
111	102.3		81.9	122.9
192	17.8		15.1	22.7

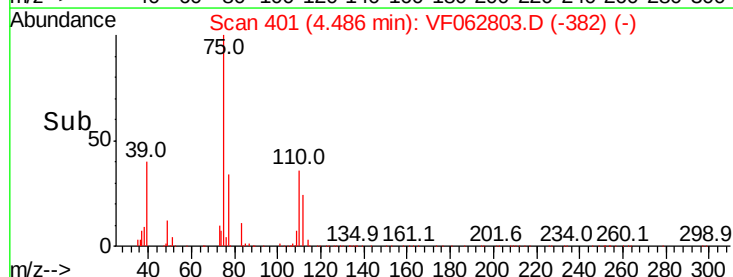
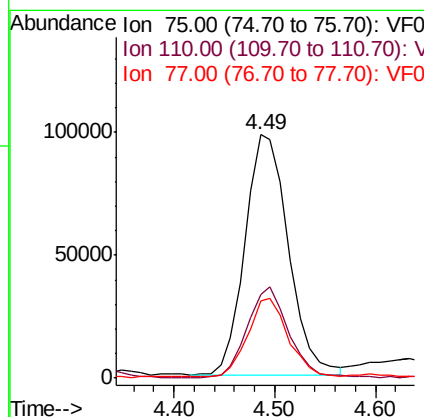
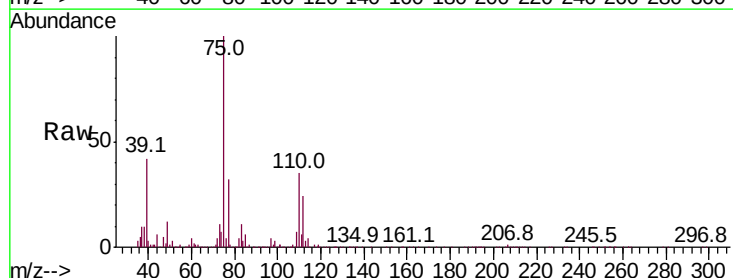
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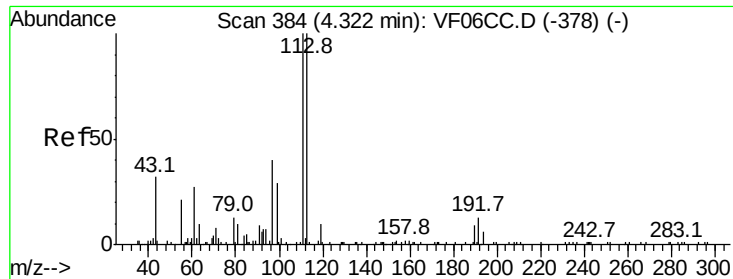
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#36
 1,1-Dichloropropene
 Concen: 21.937 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295902		
110	34.5		19.4	58.1
77	31.8		25.4	38.2





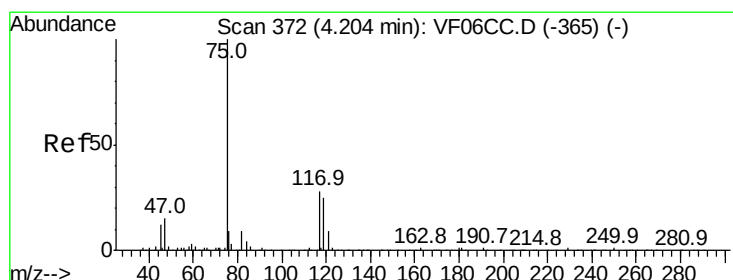
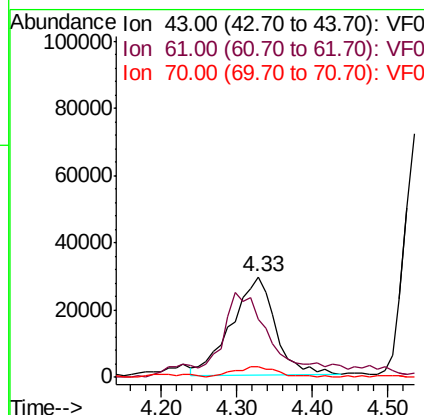
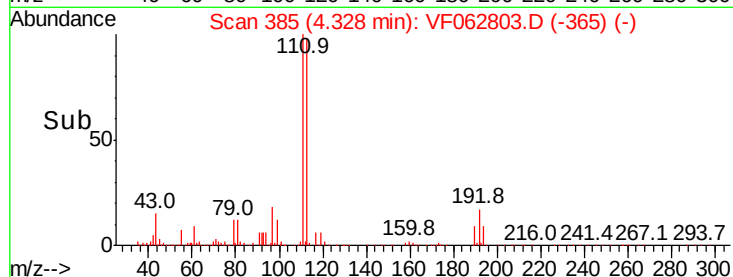
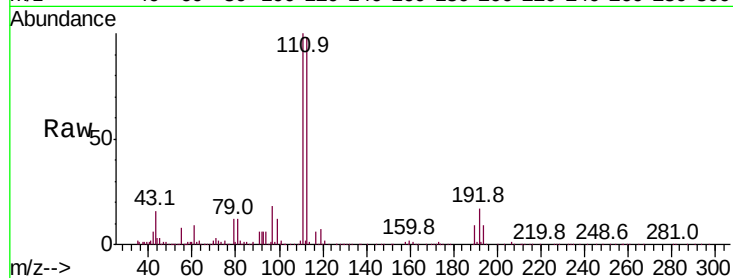
#37
Ethyl Acetate
Concen: 22.448 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	57.4	59.1	88.7#
70	10.0	10.1	15.1#

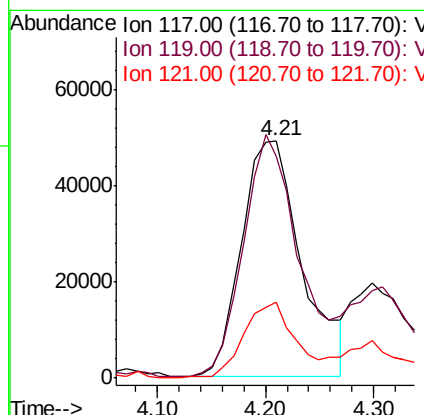
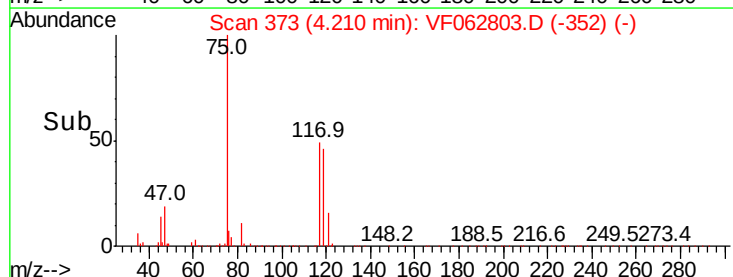
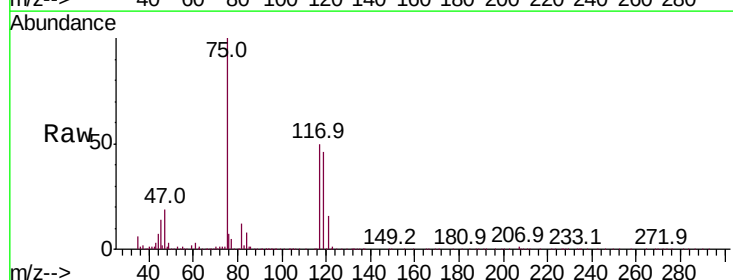
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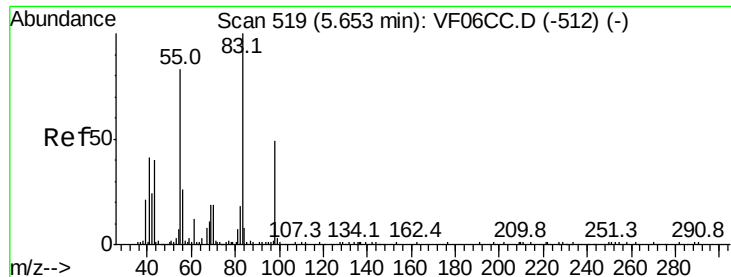
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#38
Carbon Tetrachloride
Concen: 20.883 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.2	117.2
121	31.9	28.2	42.2





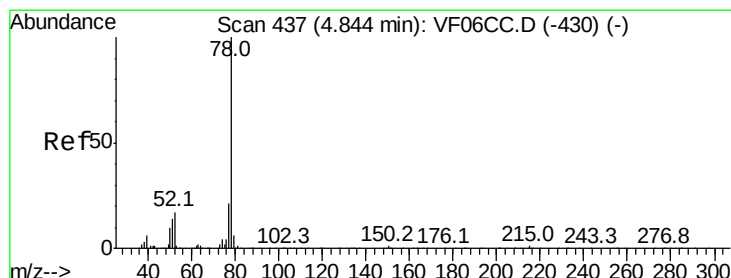
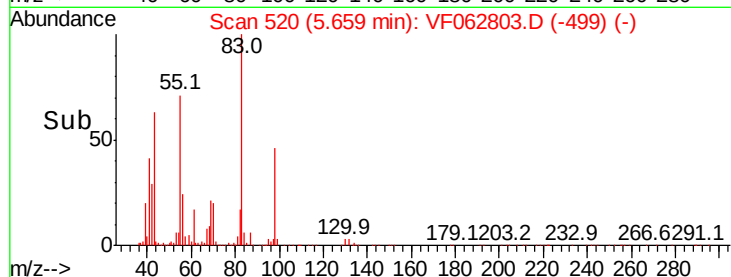
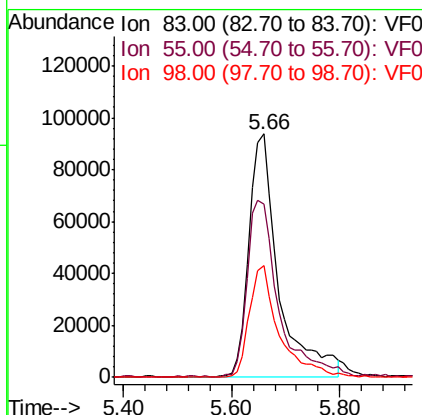
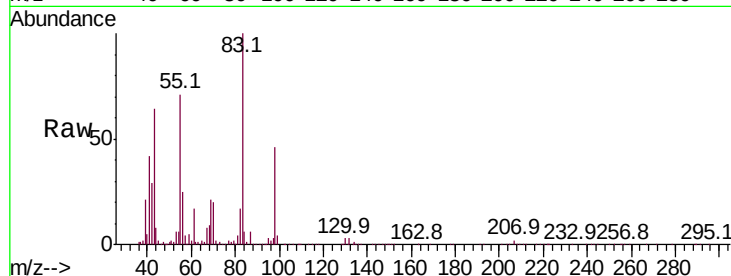
#39
Methylvlcyclohexane
Concen: 21.436 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	61.6	92.4
98	46.0	37.4	56.2

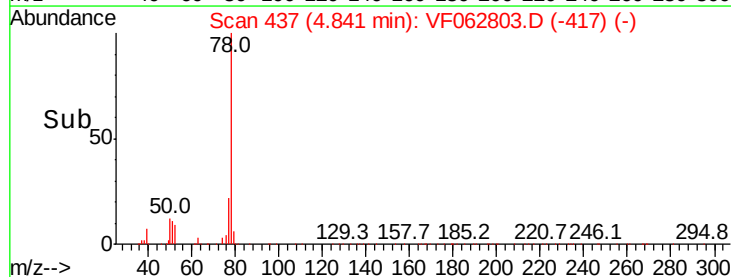
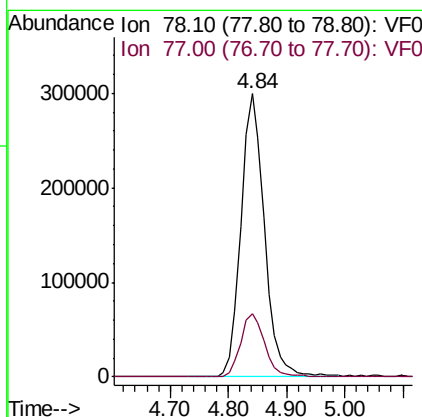
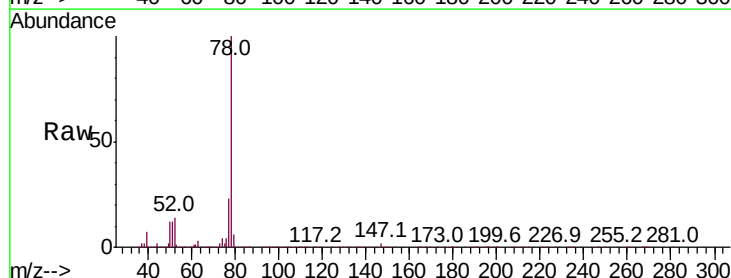
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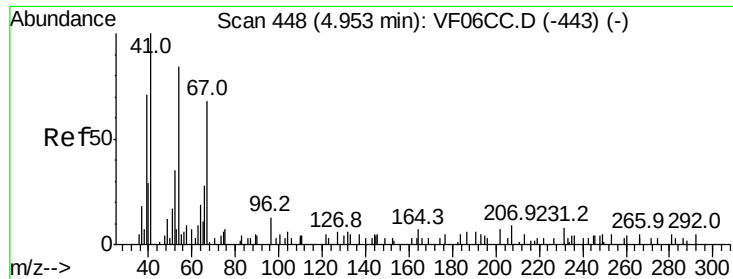
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#40
Benzene
Concen: 21.507 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3





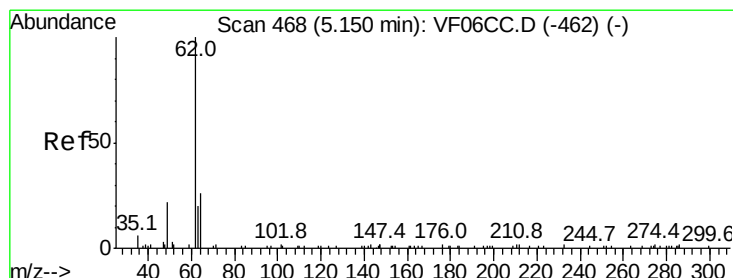
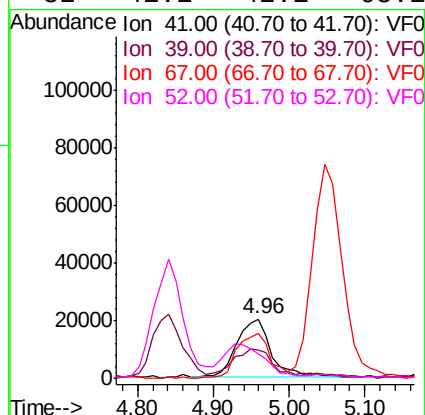
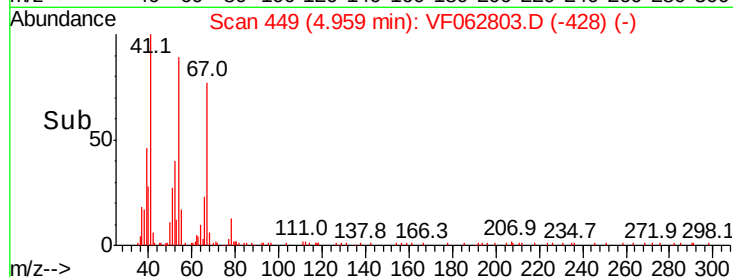
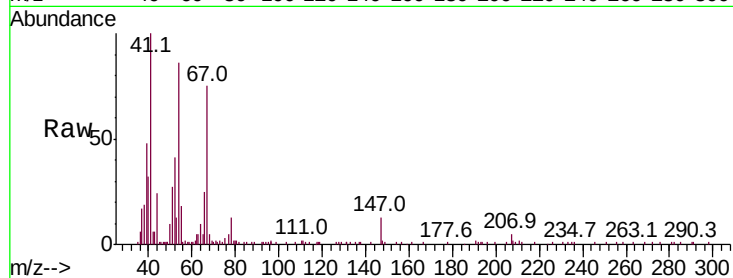
#41
Methacrylonitrile
Concen: 22.554 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	42.0	63.0
67	75.0	61.4	92.0
52	41.1	42.1	63.1#

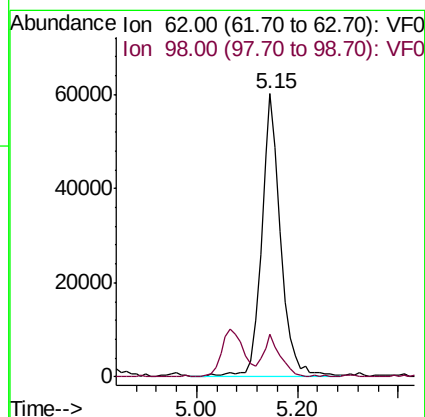
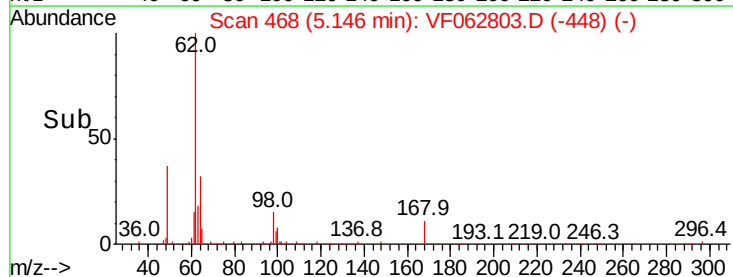
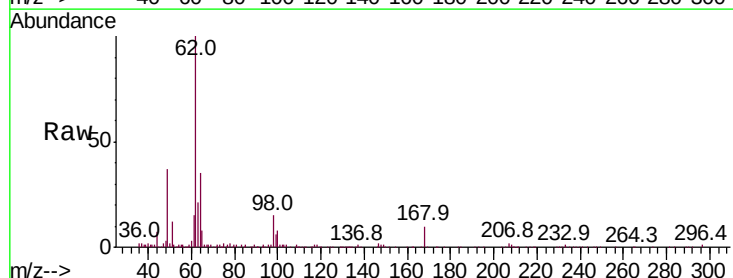
Manual Integrations
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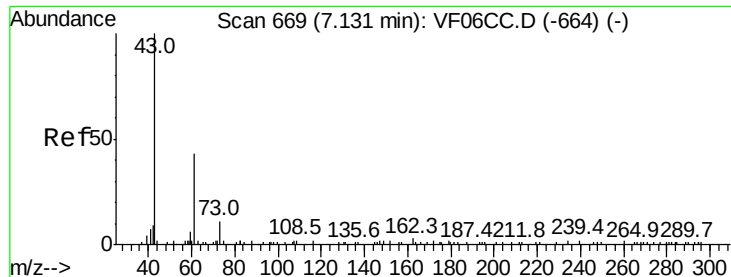
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6/4/2019 8:45:22 AM



#42
1,2-Dichloroethane
Concen: 21.281 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.9	0.0	24.0





#43

Isopropyl Acetate

Concen: 22.009 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

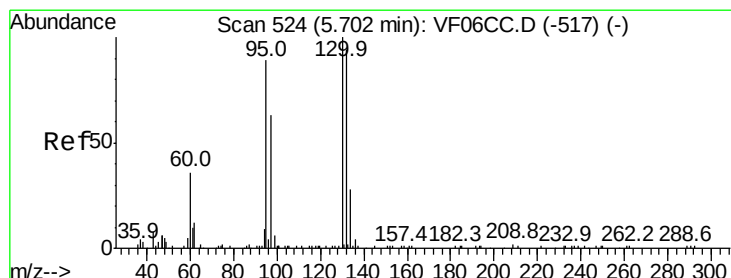
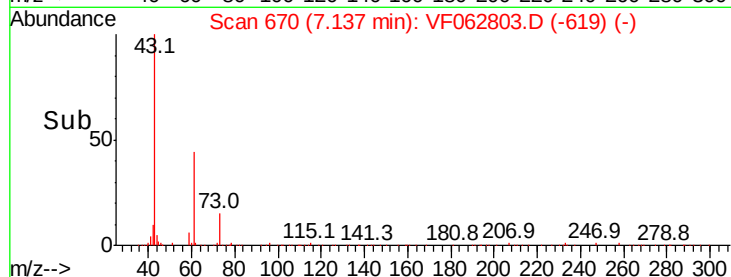
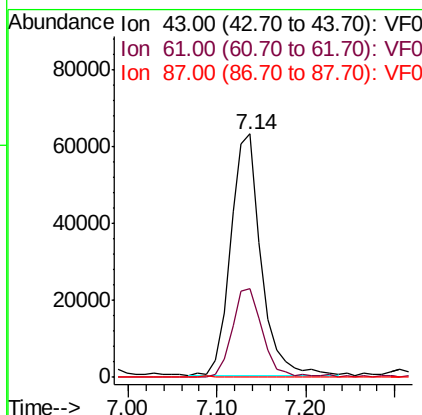
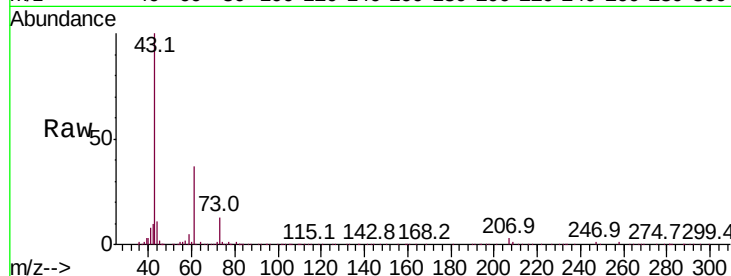
ClientSampleId :

VF0531SBS01

Tot Ion:	43	Resp:	149909
Ion Ratio	Lower	Upper	
43	100		
61	36.6	29.8	44.6
87	0.4	0.3	0.5

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6/4/2019 8:45:22 AM



#44

Trichloroethene

Concen: 21.307 ug/l

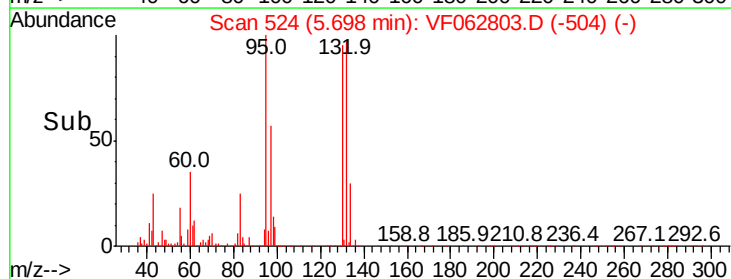
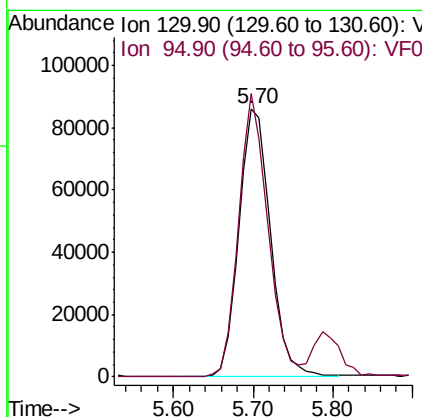
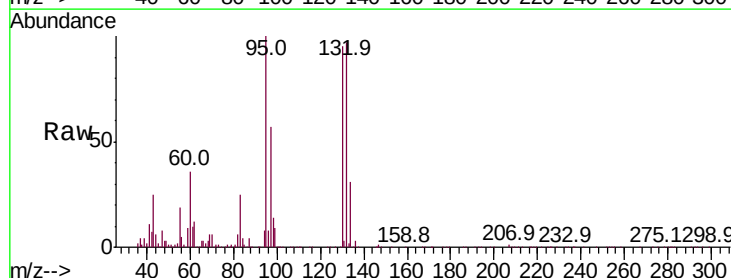
RT: 5.70 min Scan# 524

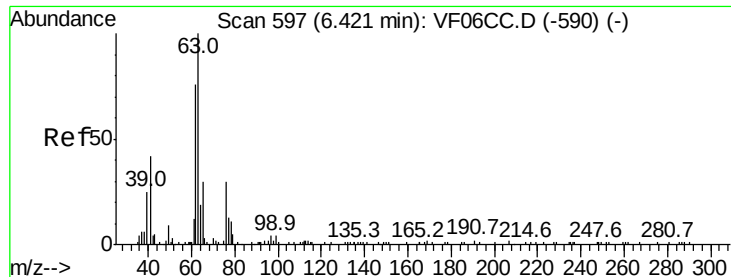
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	130	Resp:	236060
Ion Ratio	Lower	Upper	
130	100		
95	105.4	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.317 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062803.D

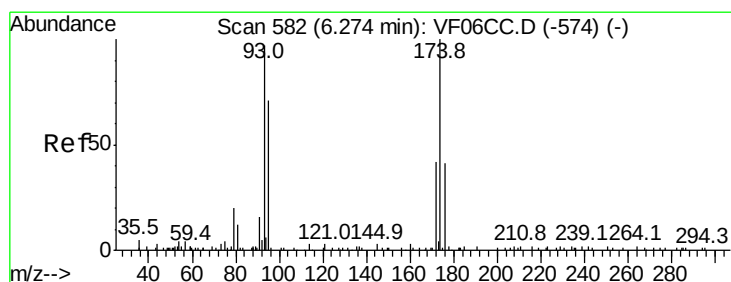
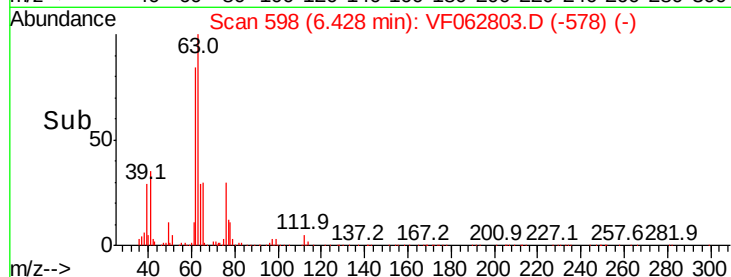
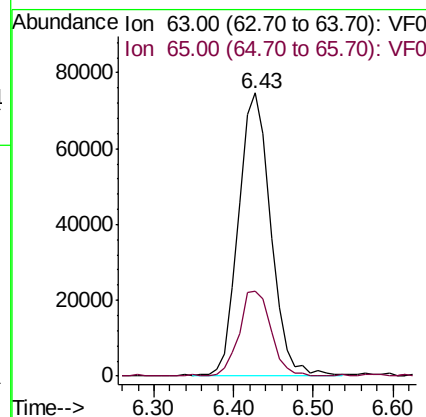
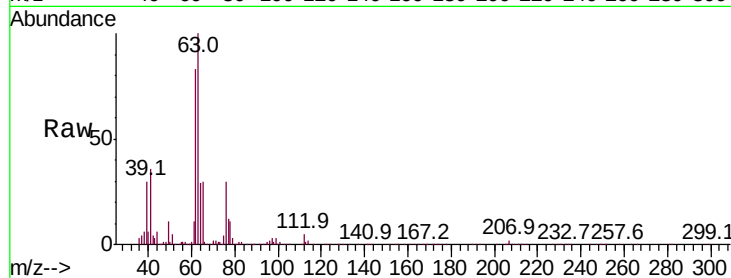
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.2	36.2

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#46

Dibromomethane

Concen: 21.992 ug/l

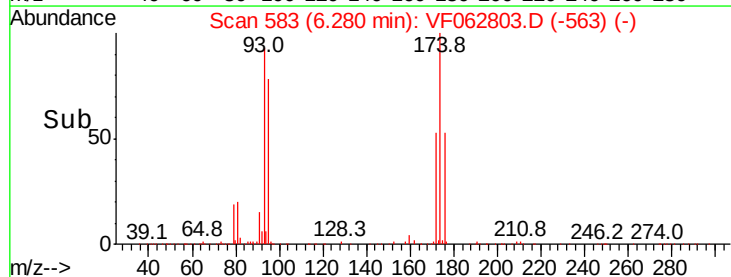
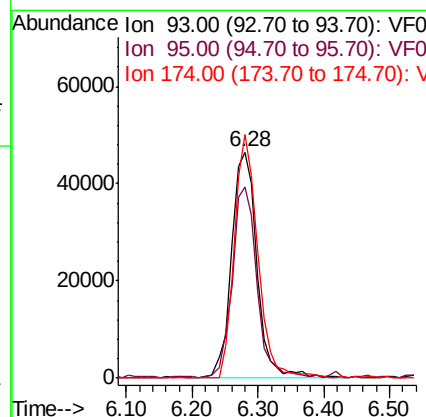
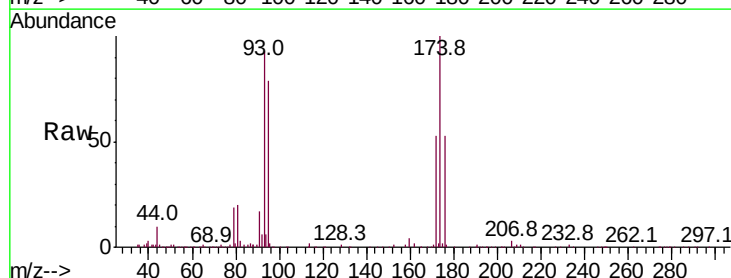
RT: 6.28 min Scan# 583

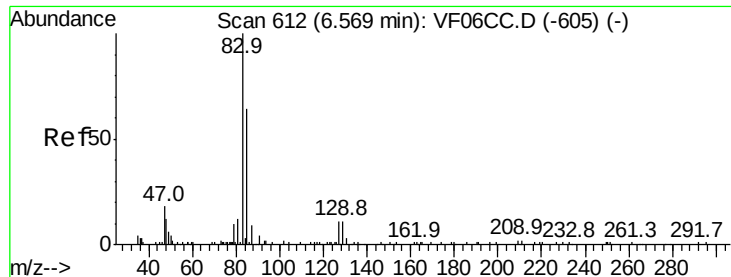
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	67.9	101.9
174	109.7	85.0	127.4





#47

Bromodichloromethane

Concen: 20.799 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

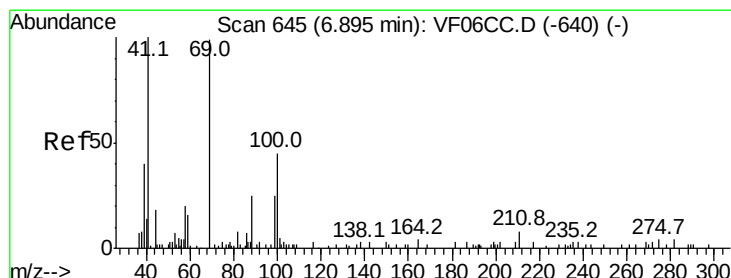
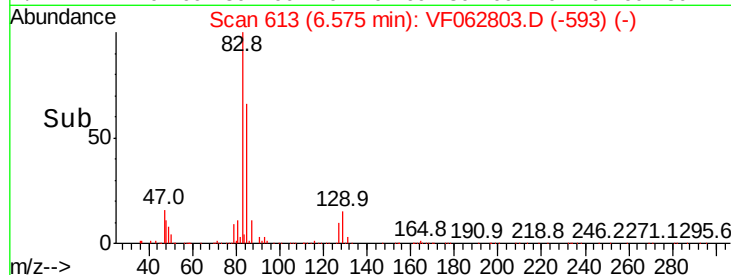
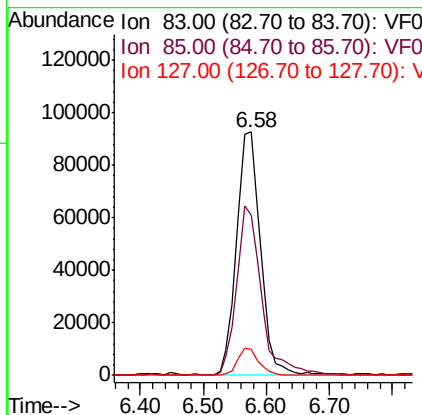
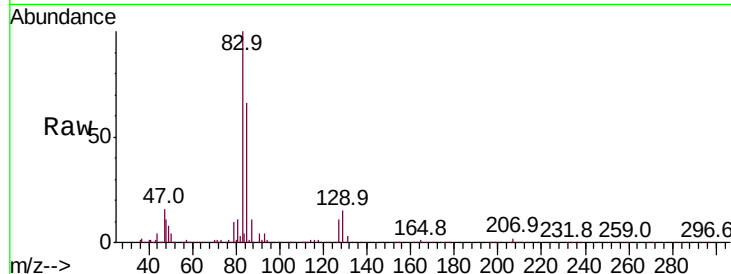
ClientSampleId :

VF0531SBS01

Tot Ion:	83	Resp:	243631
Ion Ratio	Lower	Upper	
83	100		
85	65.7	54.2	81.4
127	10.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.588 ug/l

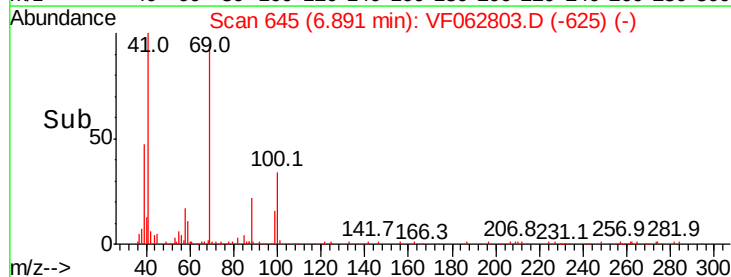
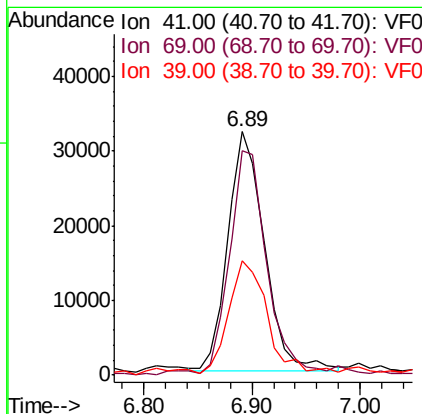
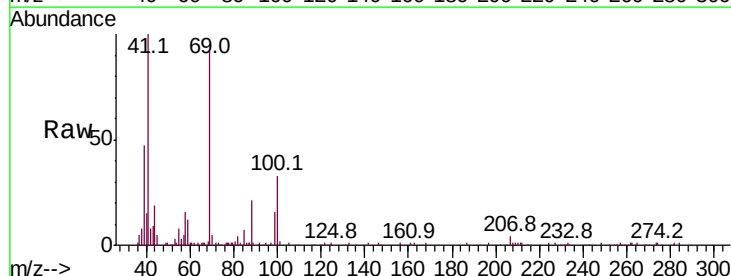
RT: 6.89 min Scan# 645

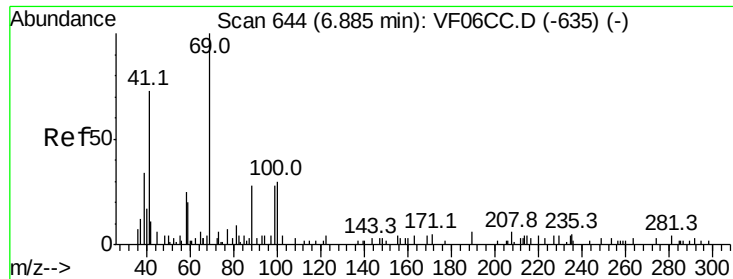
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	41	Resp:	75780
Ion Ratio	Lower	Upper	
41	100		
69	92.2	79.4	119.2
39	46.8	39.8	59.6





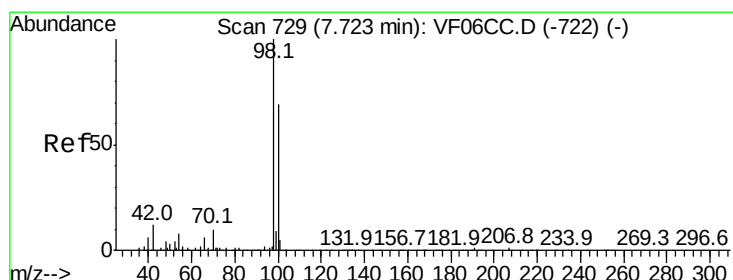
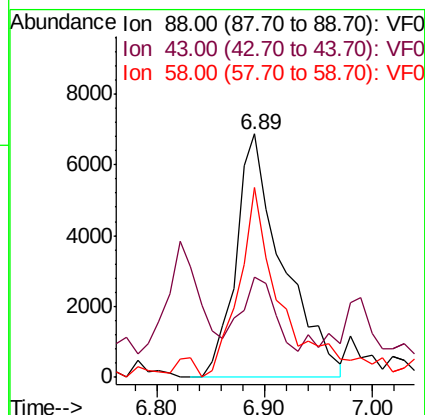
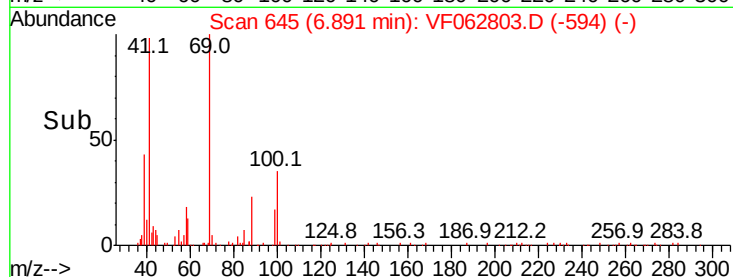
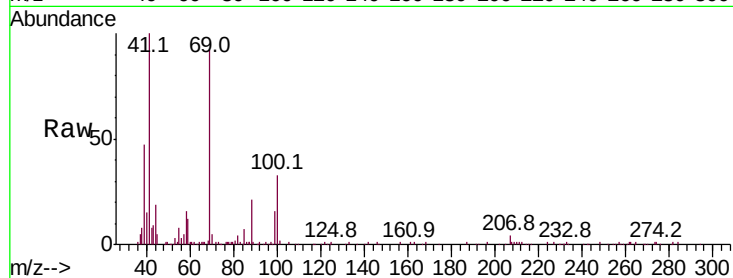
#49
1,4-Dioxane
Concen: 446.203 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	20646		
43	41.0		34.8	52.2
58	78.0		59.9	89.9

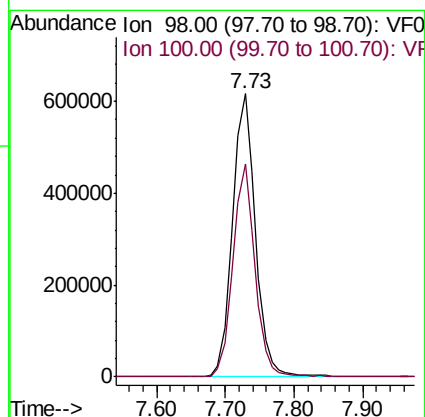
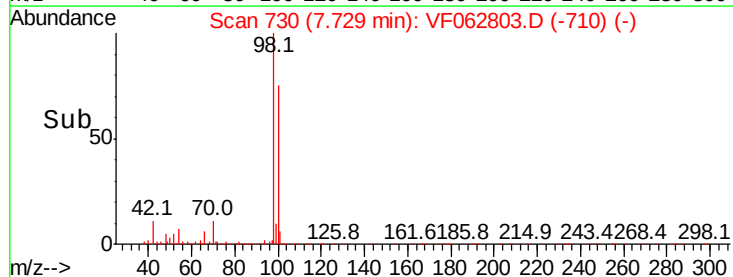
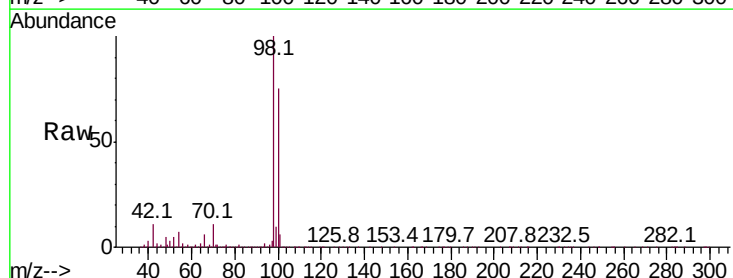
Manual Integrations
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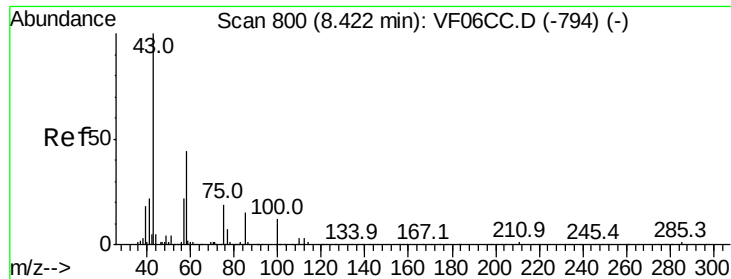
MMDadoda
6/4/2019 8:45:22 AM



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1420651		
100	75.3		59.8	89.8





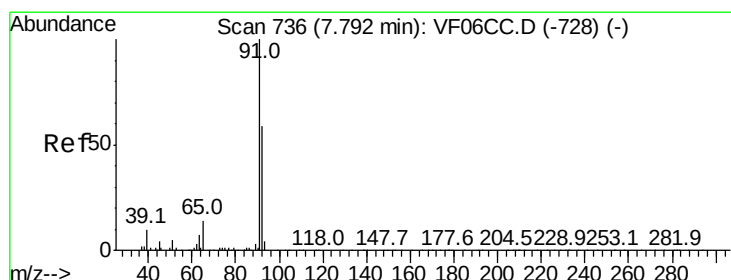
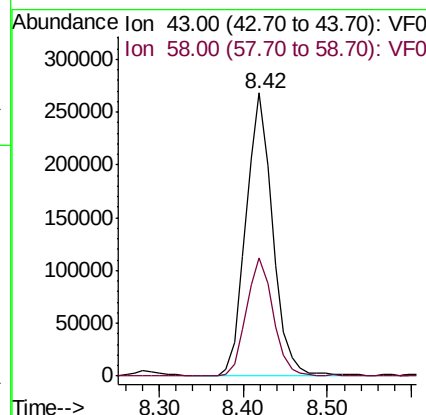
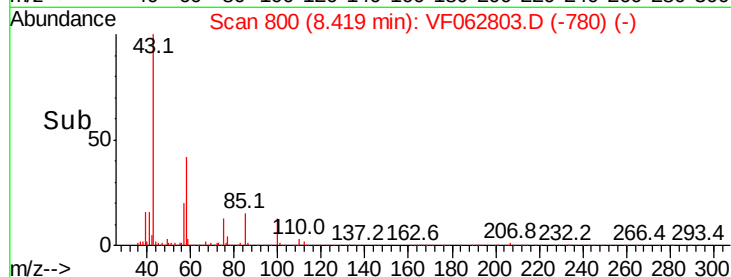
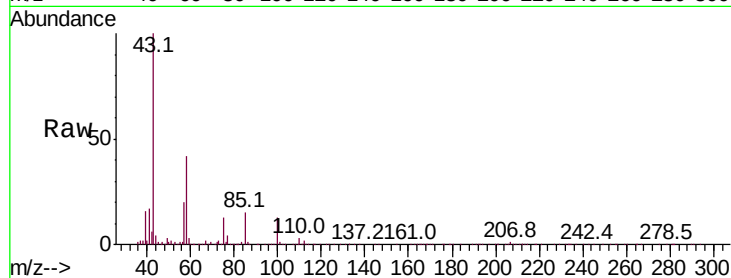
#51
4-Methyl-2-Pentanone
Concen: 122.062 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	43	58	Ratio	100	41.7	Resp	593582	Lower	Upper
Ion	43	58	Ratio	100	41.7	Resp	593582	Lower	Upper
								35.5	53.3

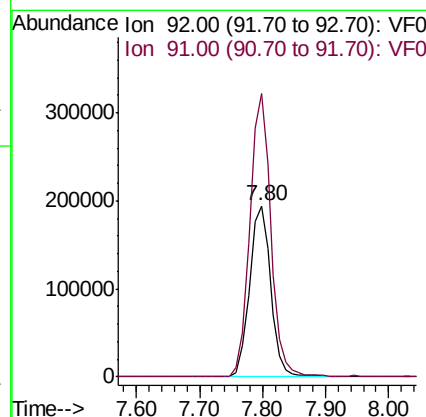
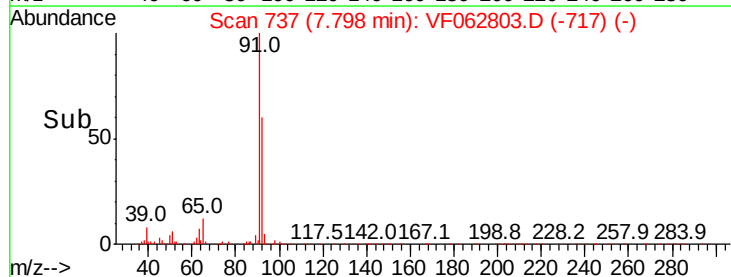
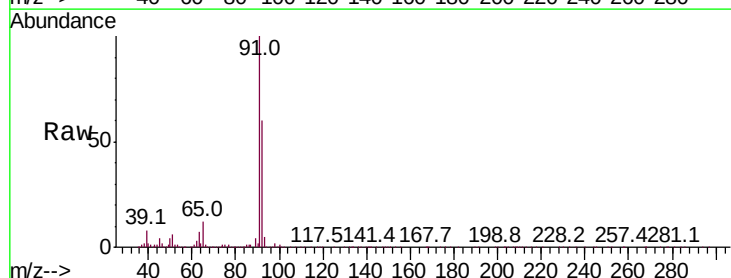
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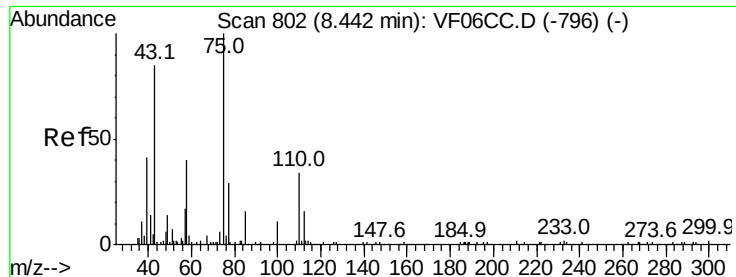
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#52
Toluene
Concen: 21.416 ug/l
RT: 7.80 min Scan# 737
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	92	91	Ratio	100	165.7	Resp	452832	Lower	Upper
Ion	92	91	Ratio	100	165.7	Resp	452832	Lower	Upper
								123.2	184.8





#53

t-1,3-Dichloropropene

Concen: 23.308 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 75 Resp: 226239

Ion Ratio Lower Upper

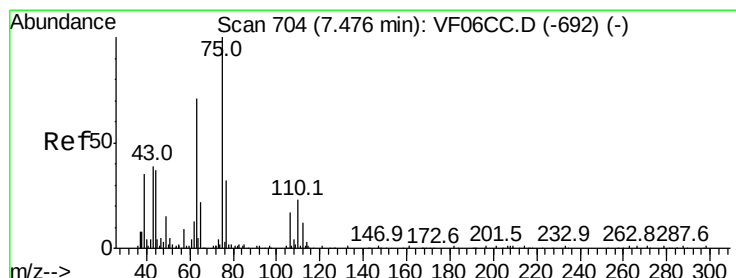
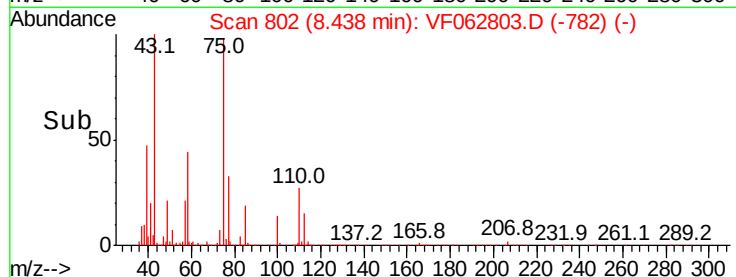
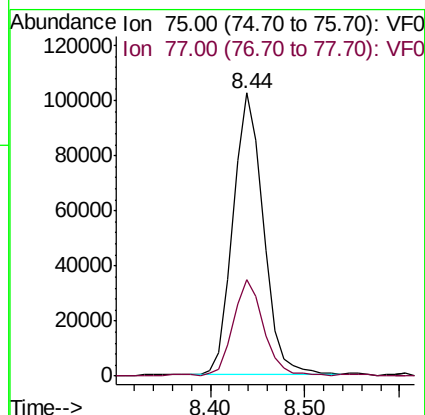
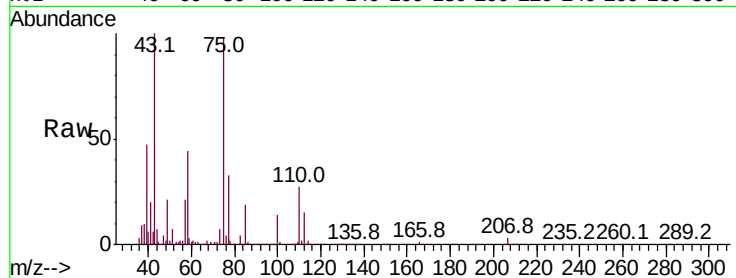
75 100

77 33.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.056 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

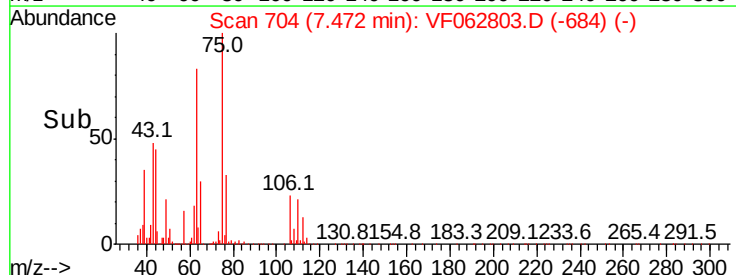
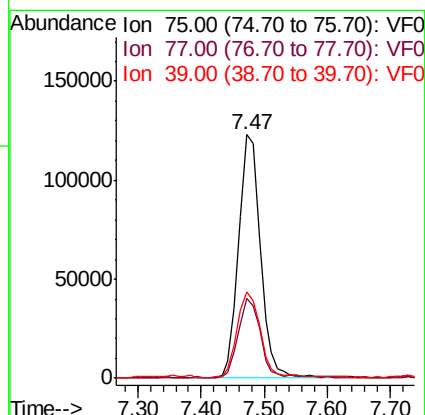
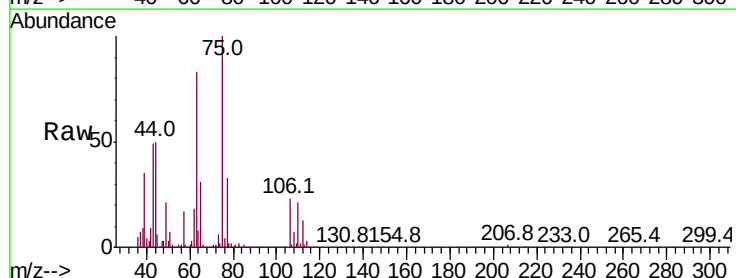
Tgt Ion: 75 Resp: 295836

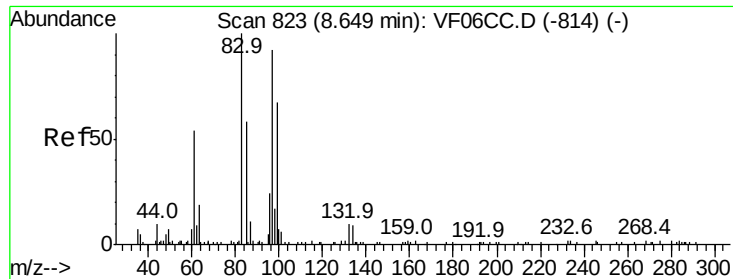
Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

39 35.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.321 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 97 Resp: 140995

Ion Ratio Lower Upper

97 100

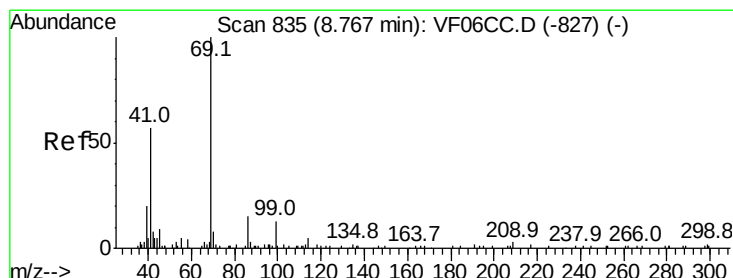
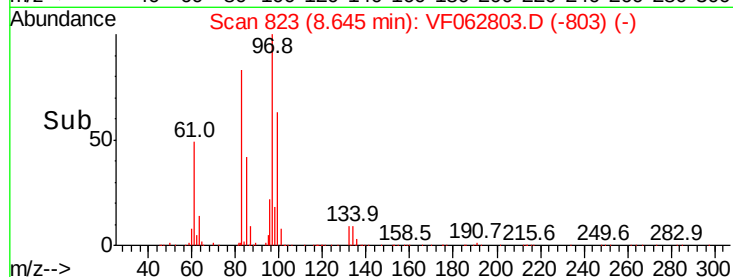
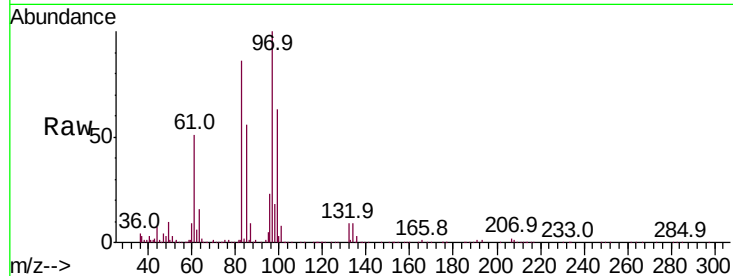
83 85.7 72.0 108.0

85 56.1 47.5 71.3

99 63.3 54.1 81.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.845 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

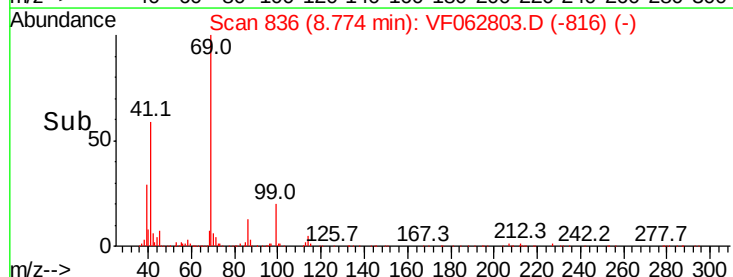
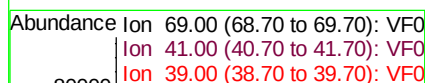
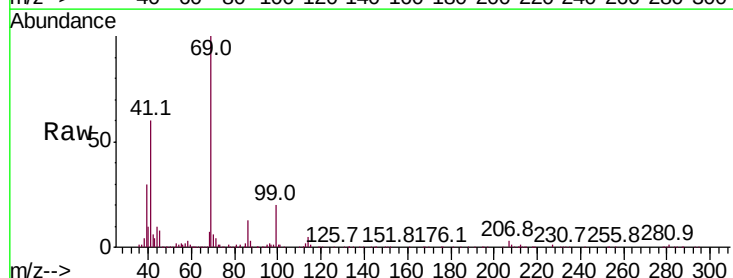
Tgt Ion: 69 Resp: 148057

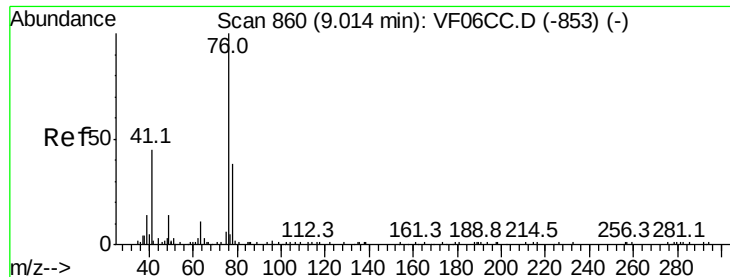
Ion Ratio Lower Upper

69 100

41 60.5 46.6 69.8

39 29.6 19.6 29.4#





#57

1,3-Dichloropropane

Concen: 23.184 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tot Ion: 76 Resp: 239153

Ion Ratio Lower Upper

76 100

78 32.9 26.8 40.2

Instrument :

MSVOA_F

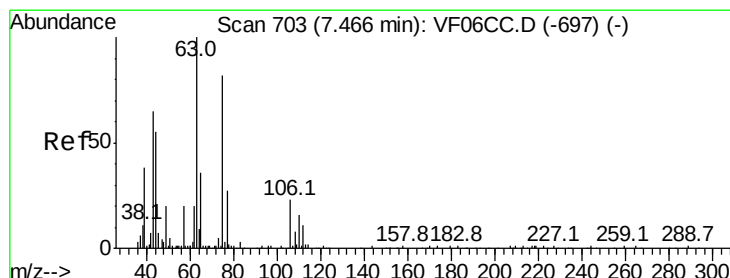
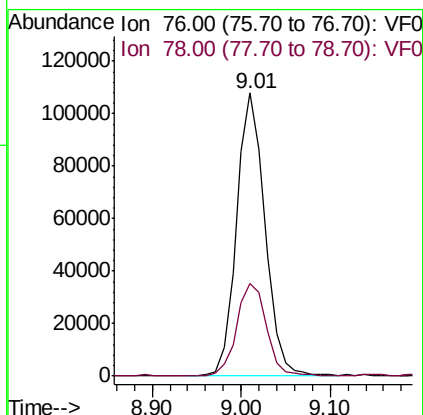
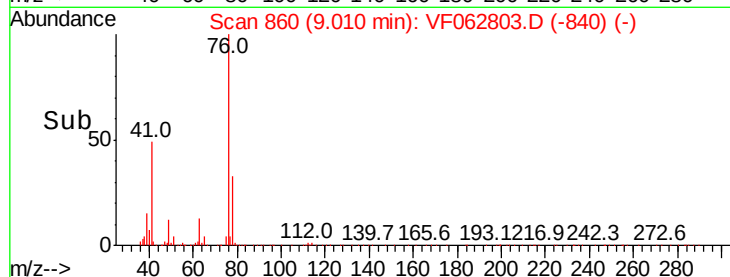
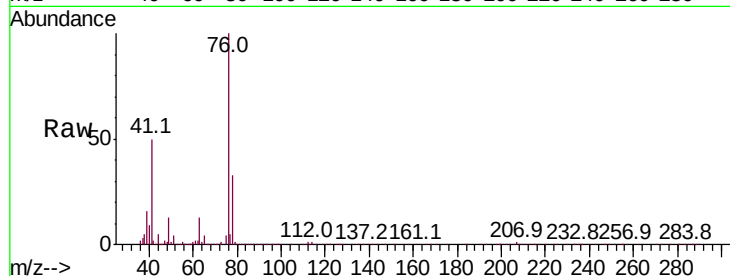
ClientSampleId :

VF0531SBS01

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#58

2-Chloroethyl Vinyl ether

Concen: 108.324 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062803.D

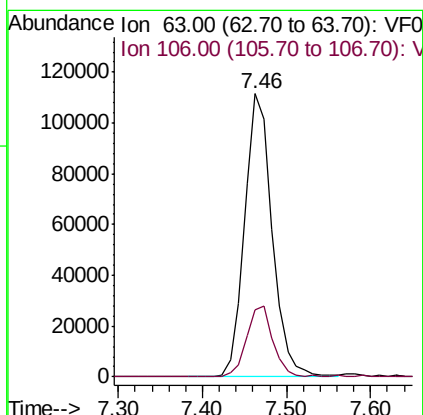
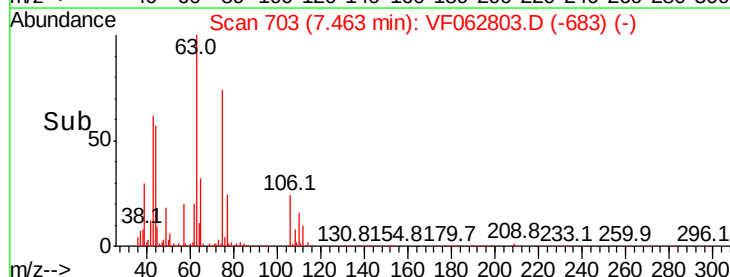
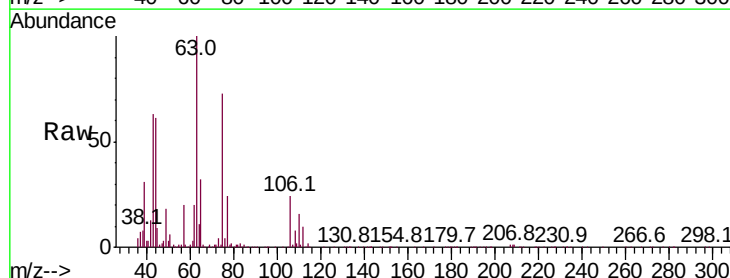
Acq: 31 May 2019 12:33

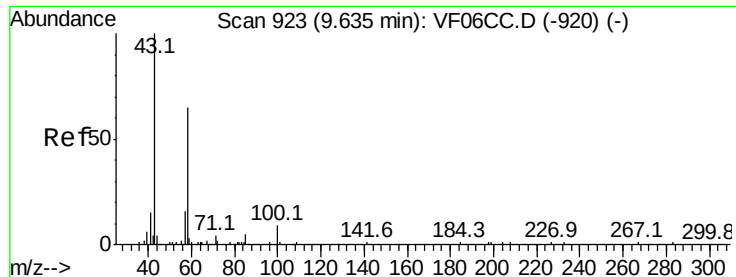
Tgt Ion: 63 Resp: 256592

Ion Ratio Lower Upper

63 100

106 23.7 19.5 29.3





#59

2-Hexanone

Concen: 108.738 ug/l

RT: 9.64 min Scan# 924

Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 43 Resp: 376903

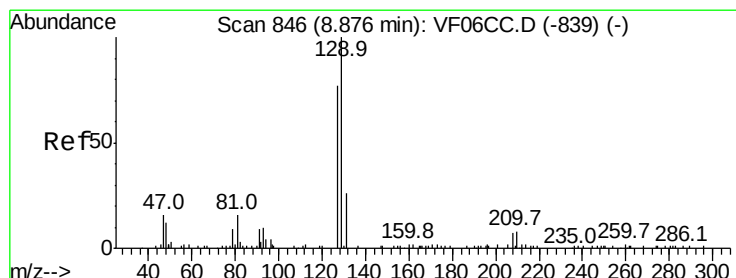
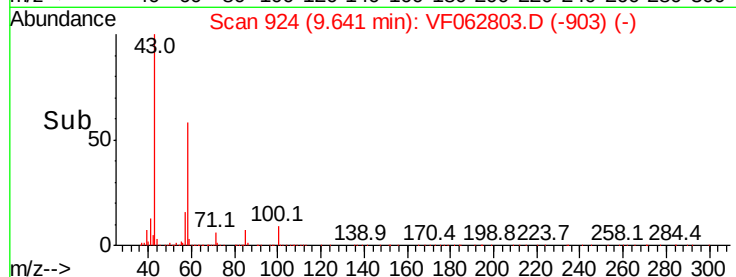
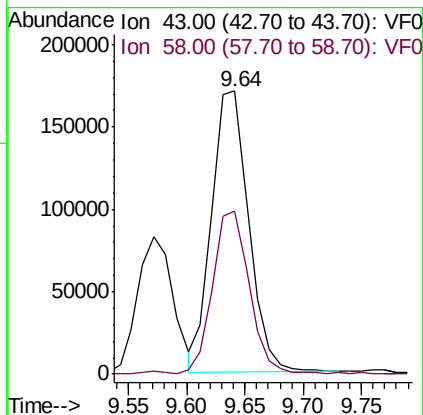
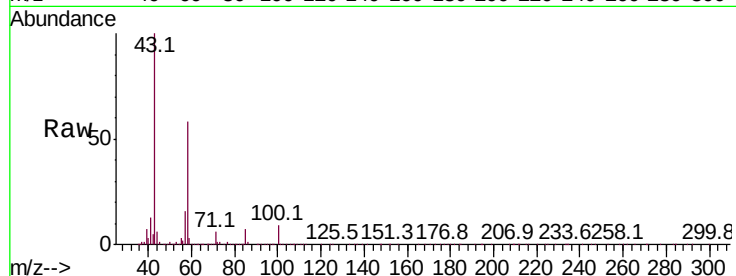
Ion Ratio Lower Upper

43 100

58 57.8 29.3 87.9

Manual Integrations
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#60

Dibromochloromethane

Concen: 23.041 ug/l

RT: 8.87 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF062803.D

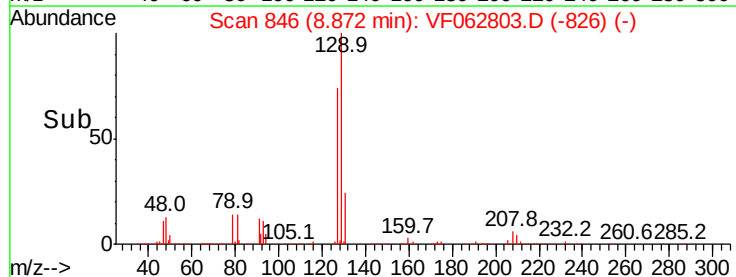
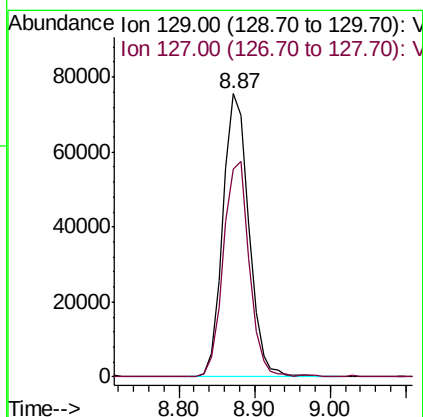
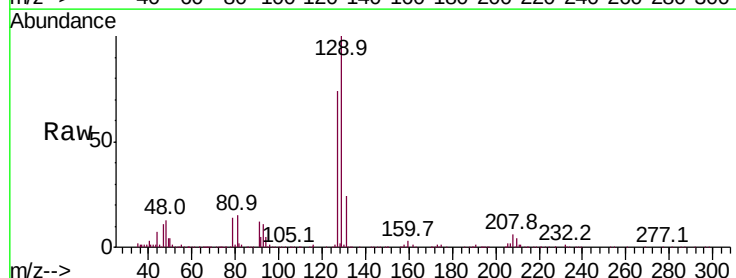
Acq: 31 May 2019 12:33

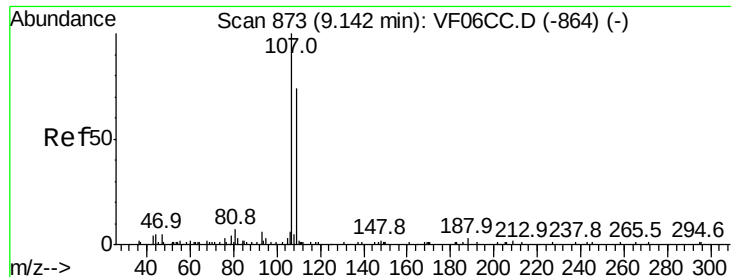
Tgt Ion: 129 Resp: 180195

Ion Ratio Lower Upper

129 100

127 73.6 37.1 111.3





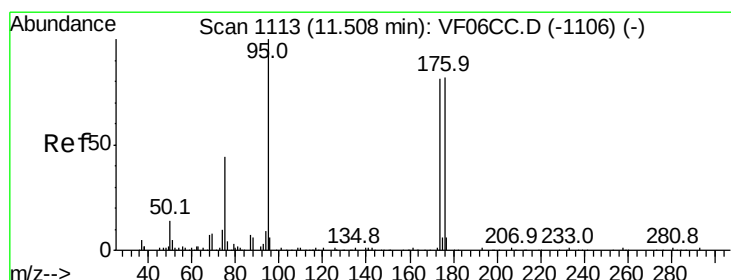
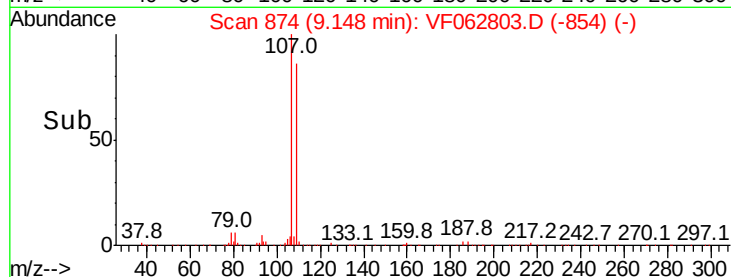
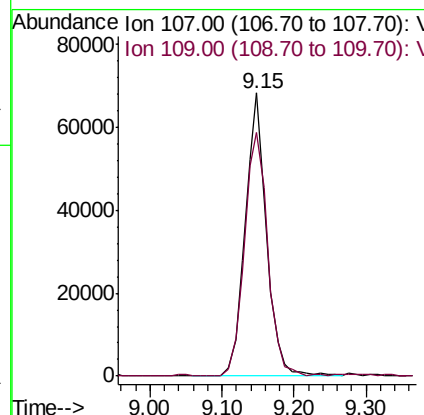
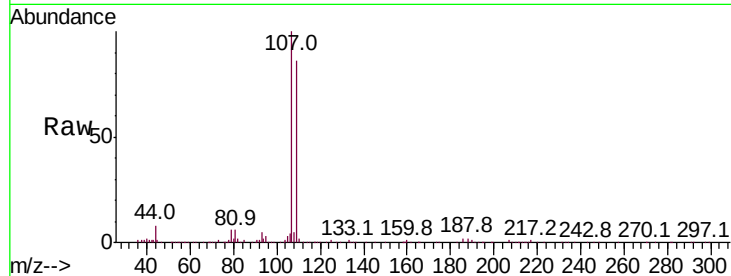
#61
 1,2-Dibromoethane
 Concen: 21.511 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	141119		
109	86.1	78.1	117.1	

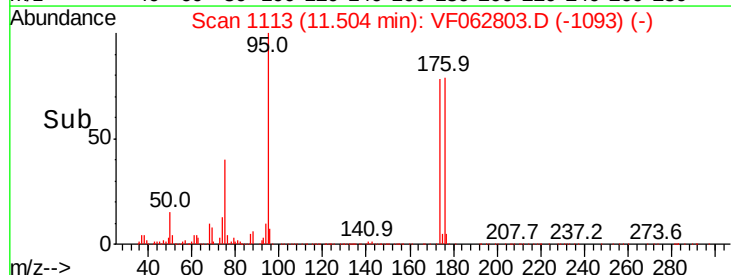
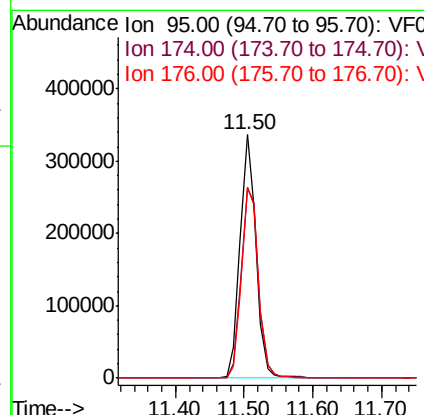
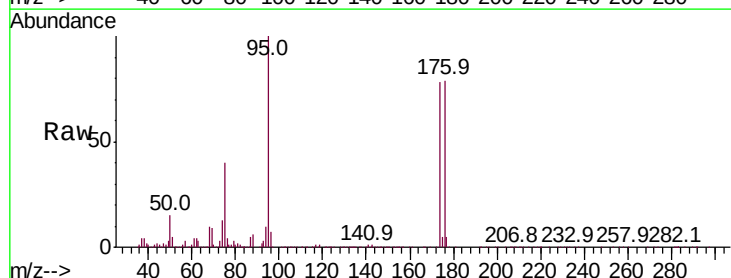
Manual Integrations
 APPROVED

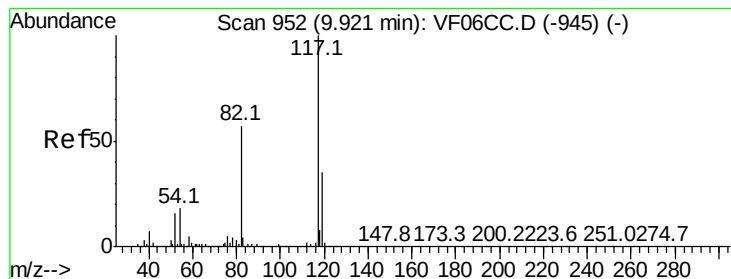
MMDadoda
 6/4/2019 8:45:22 AM



#62
 4-Bromofluorobenzene
 Concen: 53.641 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	540238		
174	77.8	0.0	170.6	
176	78.7	0.0	170.6	





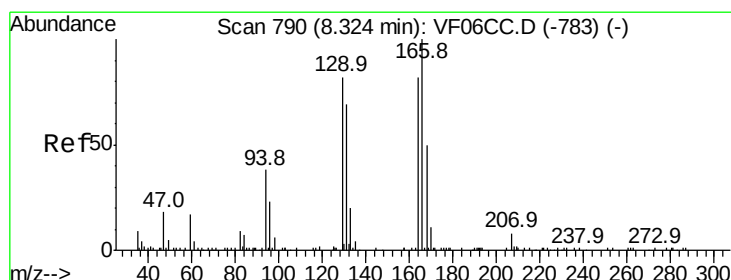
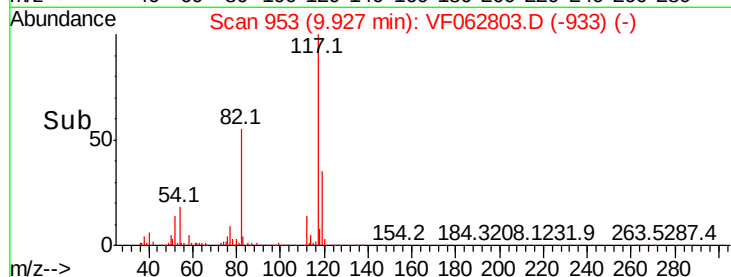
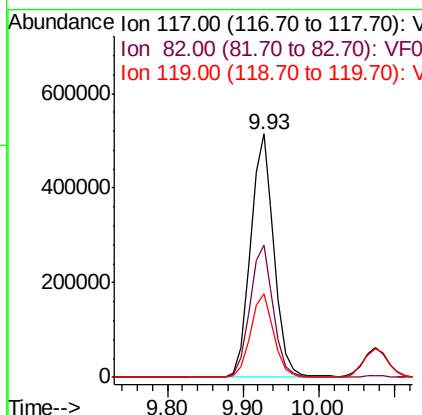
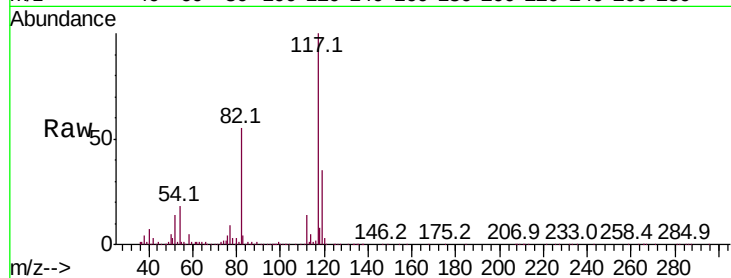
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.4	63.6
119	34.6	27.1	40.7

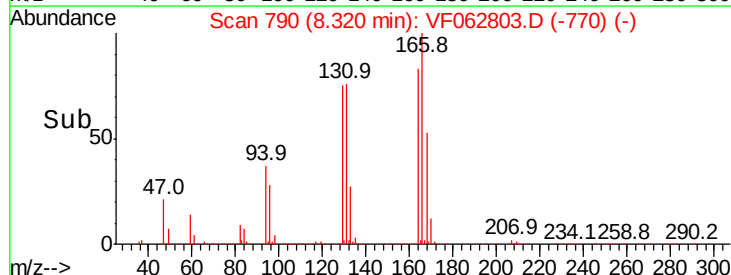
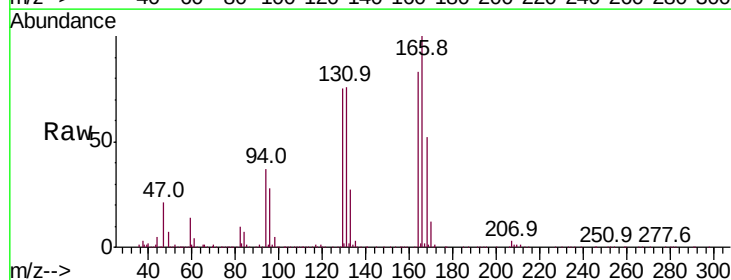
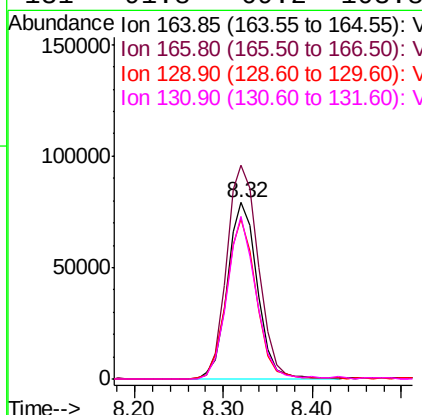
Manual Integrations
APPROVED

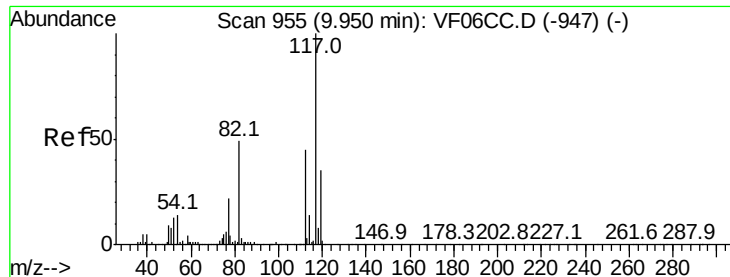
MMDadoda
6/4/2019 8:45:22 AM



#64
Tetrachloroethene
Concen: 22.077 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	99.1	148.7
129	90.7	69.5	104.3
131	91.8	69.2	103.8





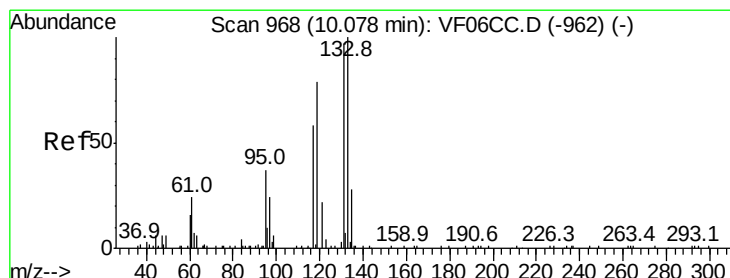
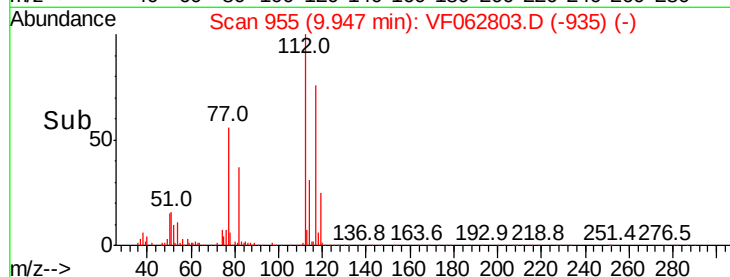
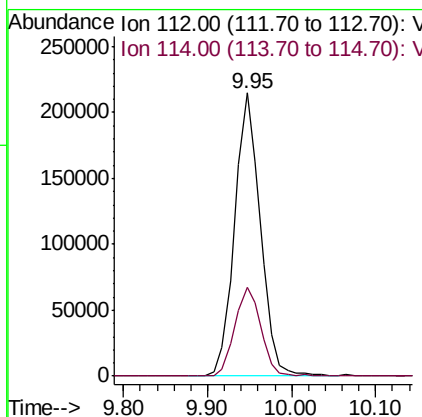
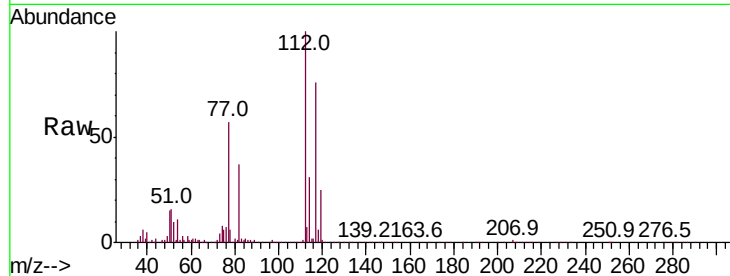
#65
Chlorobenzene
Concen: 21.407 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	457731		
114	31.3	27.4	41.0	

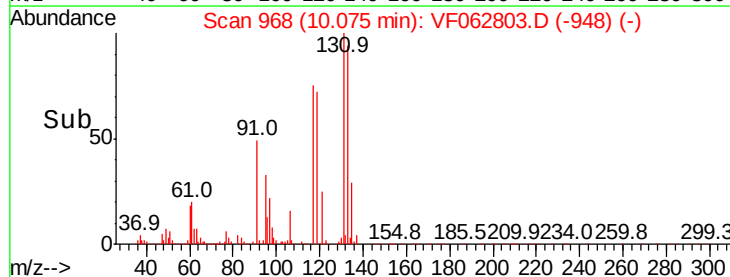
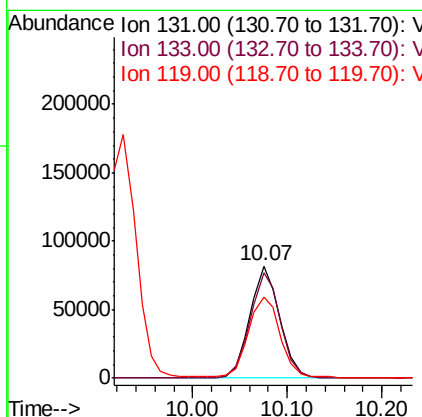
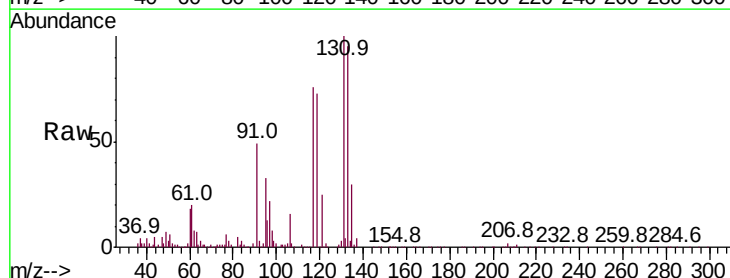
Manual Integrations
APPROVED

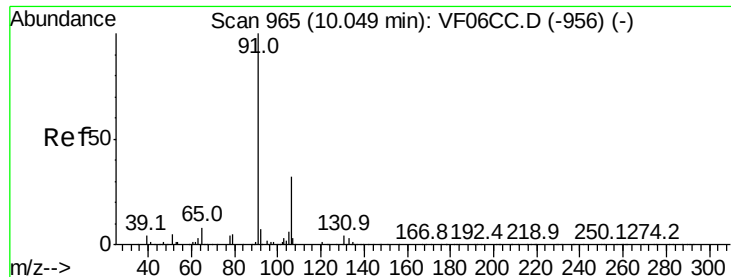
MMDadoda
6/4/2019 8:45:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.087 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	179569		
133	94.6	48.9	146.7	
119	72.5	38.0	114.0	





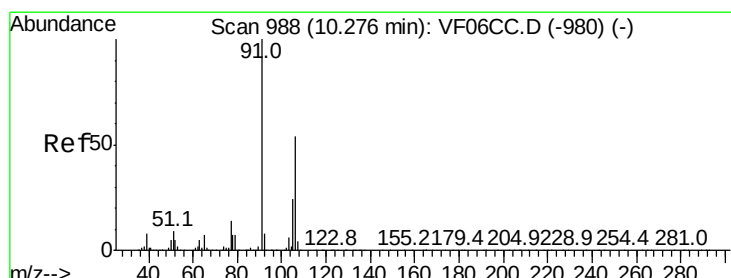
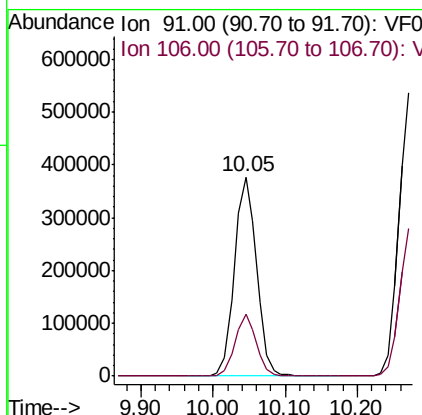
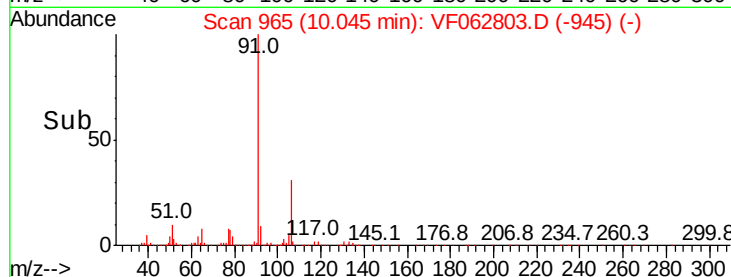
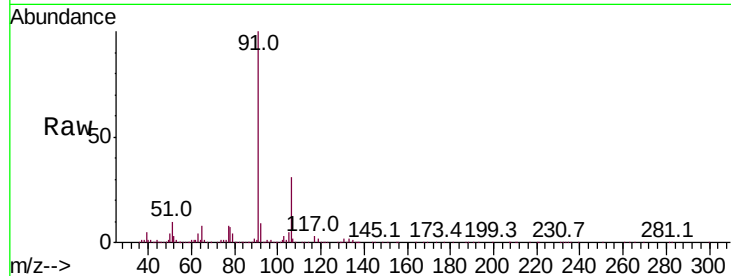
#67
Ethyl Benzene
Concen: 22.168 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion: 91 Resp: 813403
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0

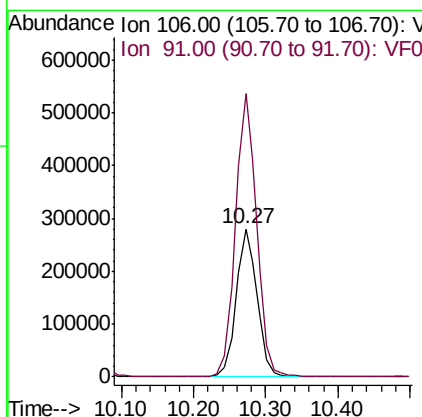
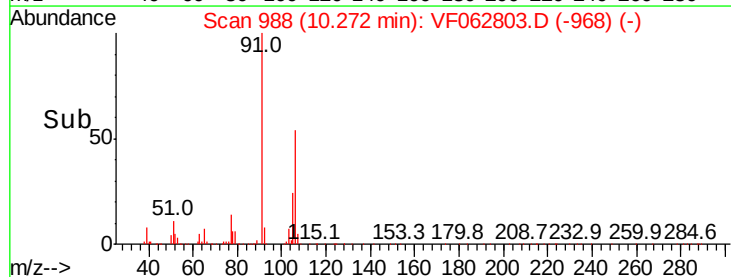
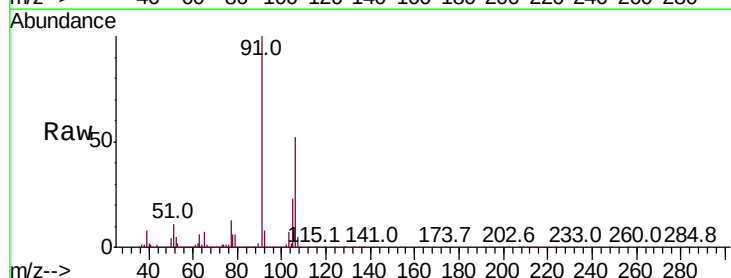
Manual Integrations
APPROVED

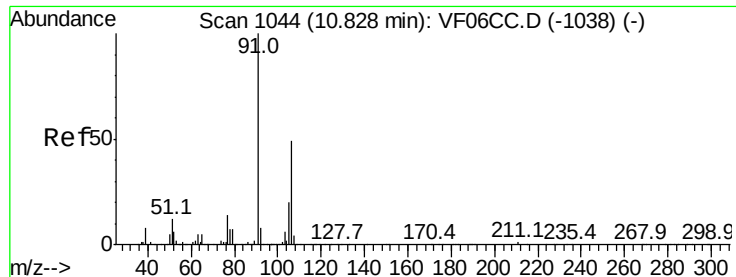
MMDadoda
6/4/2019 8:45:22 AM



#68
m/p-Xylenes
Concen: 40.057 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion: 106 Resp: 562443
Ion Ratio Lower Upper
106 100
91 191.1 136.2 204.4





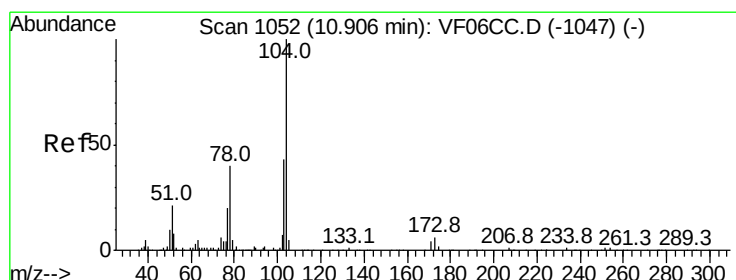
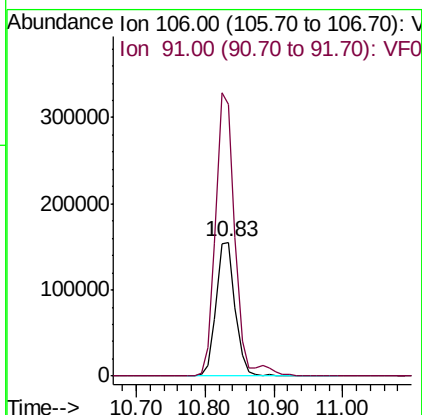
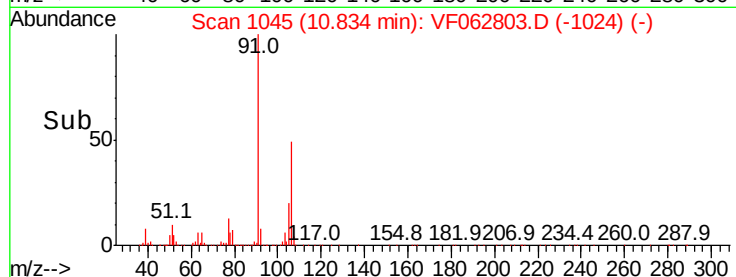
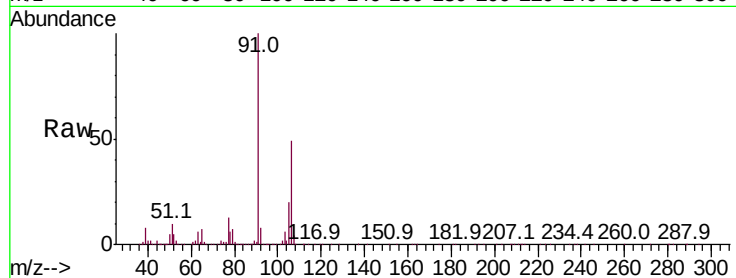
#69
o-Xylene
Concen: 21.098 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	299927		
91	202.7	96.6	289.8	

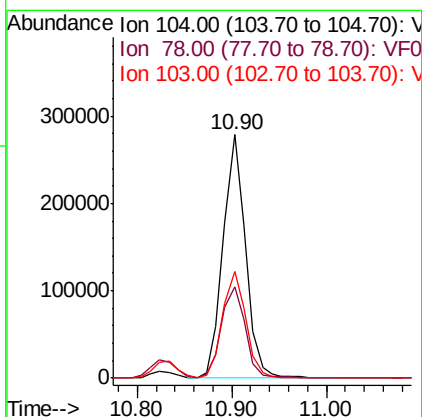
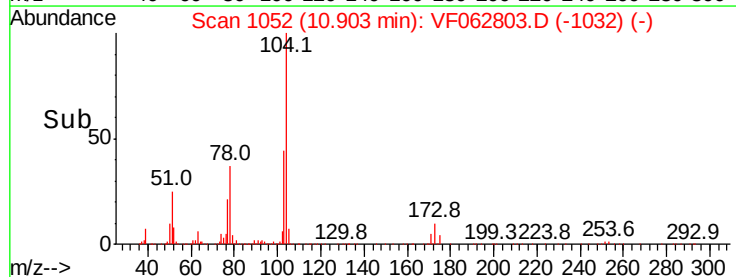
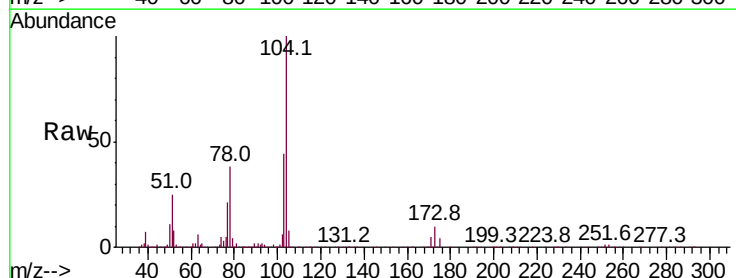
Manual Integrations
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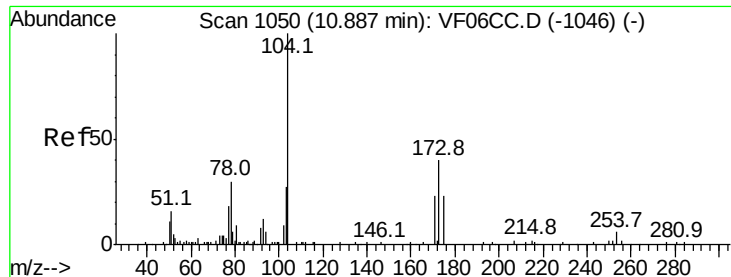
MMDadoda
6/4/2019 8:45:22 AM



#70
Styrene
Concen: 21.788 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	456530		
78	37.5	30.8	46.2	
103	44.0	35.8	53.6	





#71

Bromoform

Concen: 21.942 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion:173 Resp: 89633

Ion Ratio Lower Upper

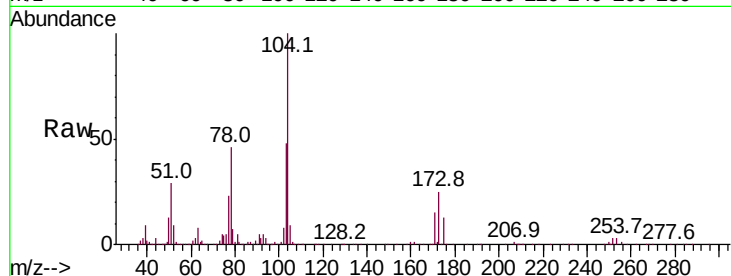
173 100

175 49.3 24.6 74.0

254 0.0 0.1 0.1#

Manual Integrations
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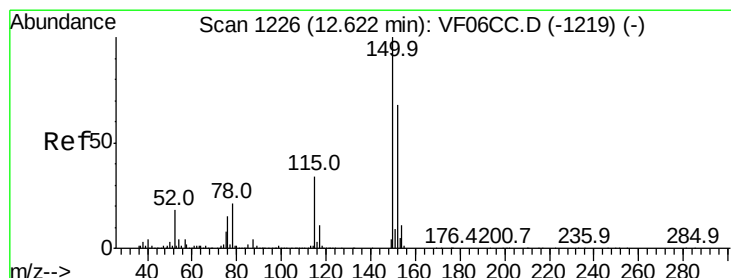
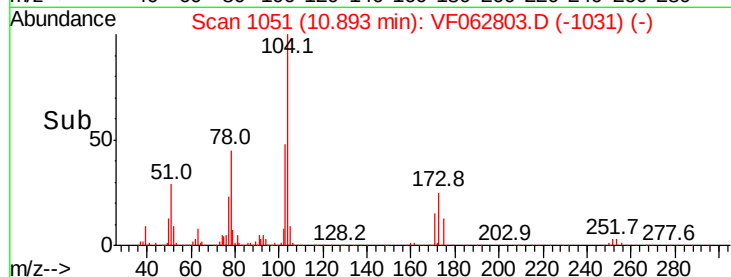
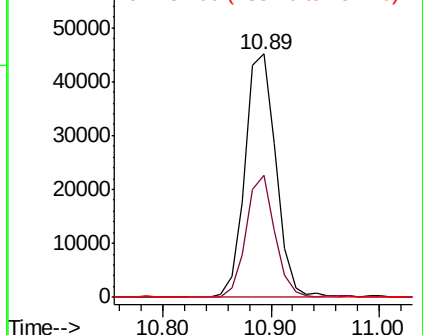


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

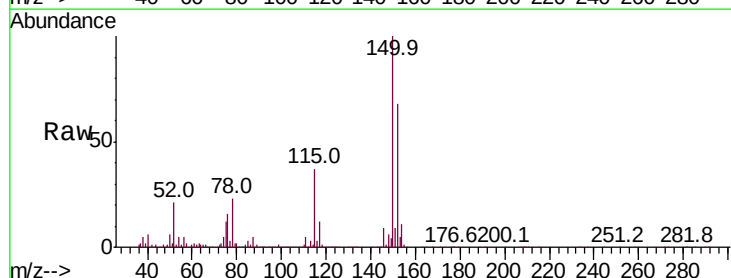
Tgt Ion:152 Resp: 568206

Ion Ratio Lower Upper

152 100

115 54.2 24.6 74.0

150 147.7 0.0 290.6

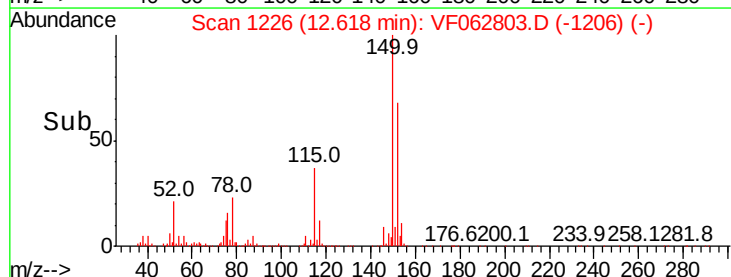
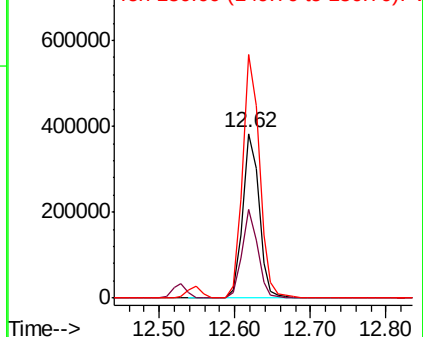


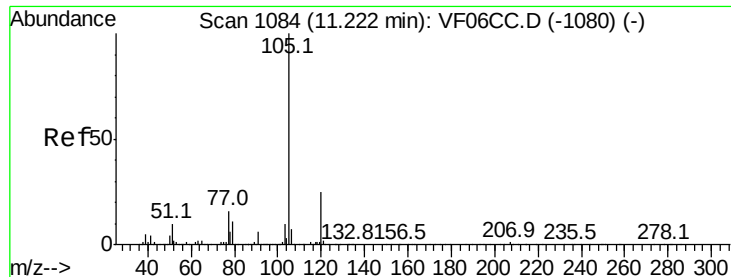
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





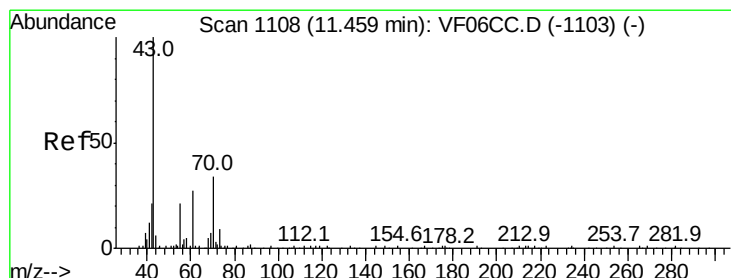
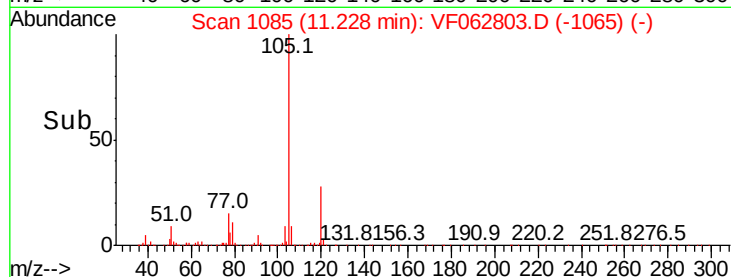
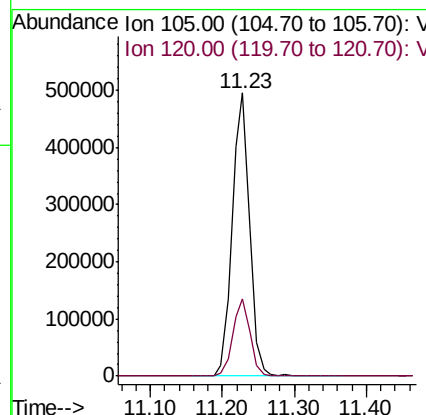
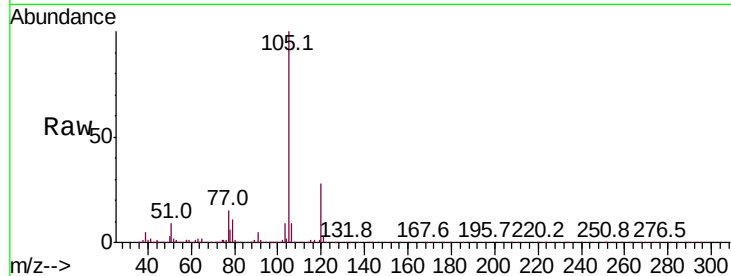
#73
Isopropylbenzene
Concen: 20.814 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	15.1	45.3

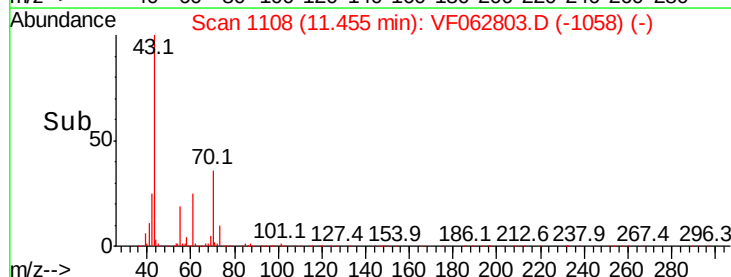
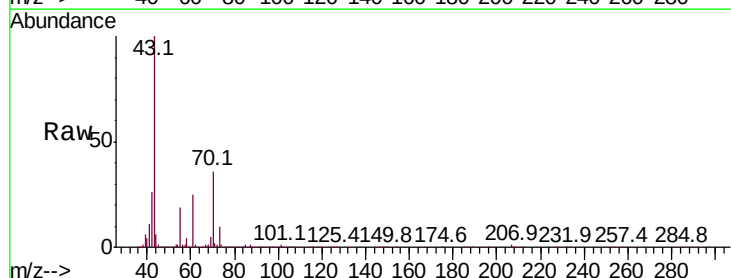
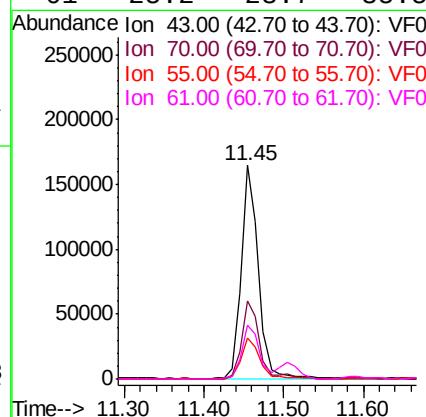
Manual Integrations
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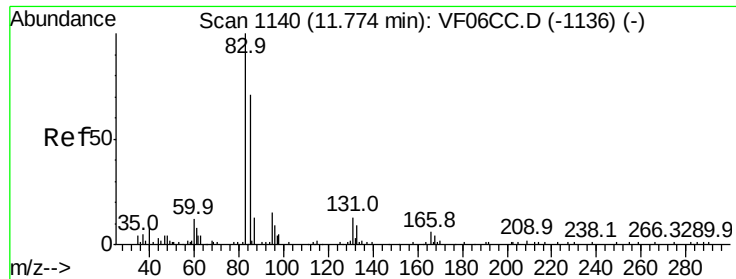
MMDadoda
6/4/2019 8:45:22 AM



#74
N-ethyl acetate
Concen: 22.204 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	32.9	49.3
55	19.2	17.3	25.9
61	25.2	23.7	35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.676 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

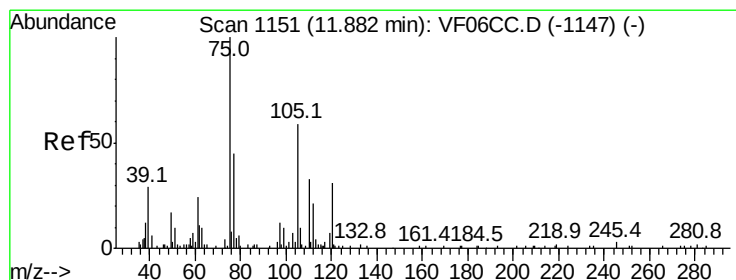
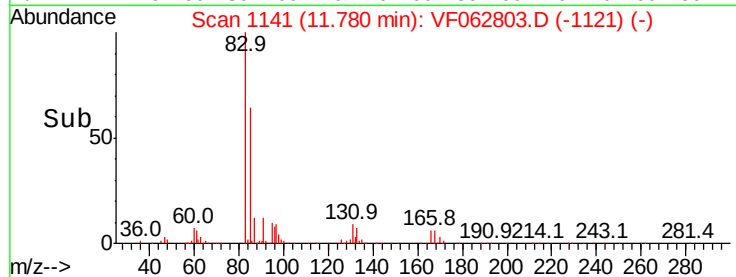
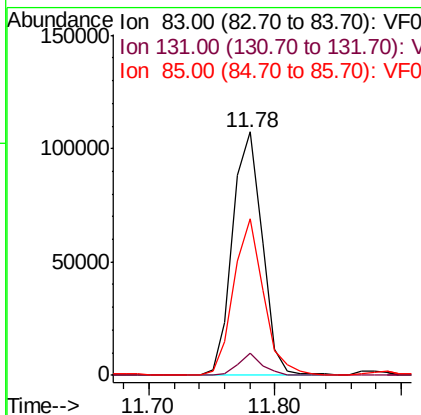
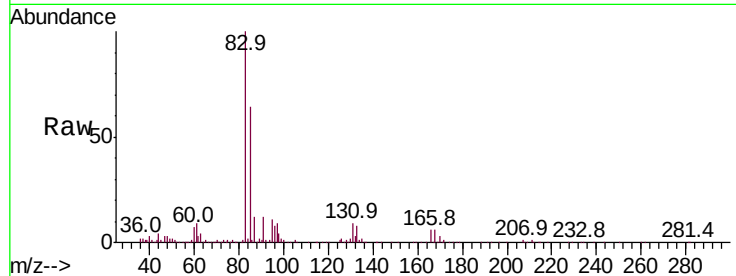
ClientSampleId :

VF0531SBS01

Tot Ion:	83	Resp:	175059
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	64.4	32.1	96.5

Manual Integrations
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6/4/2019 8:45:22 AM



#76

1,2,3-Trichloropropane

Concen: 20.883 ug/l

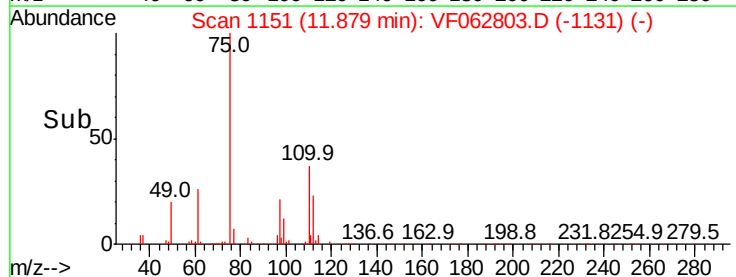
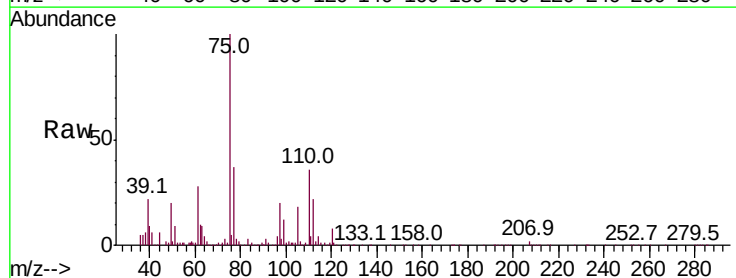
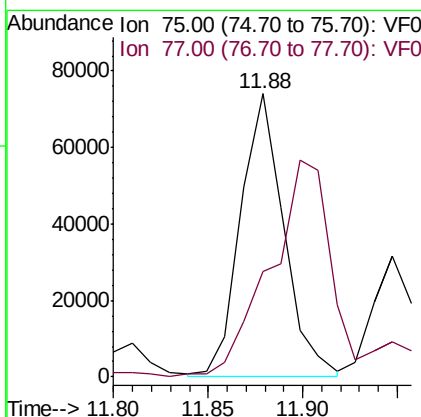
RT: 11.88 min Scan# 1151

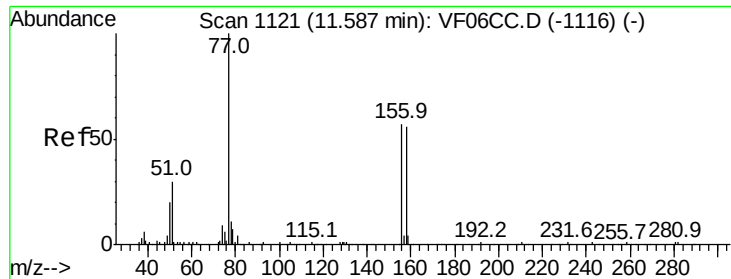
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	75	Resp:	117200
Ion Ratio	Lower	Upper	
75	100		
77	37.3	20.1	60.2





#77

Bromobenzene

Concen: 21.023 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

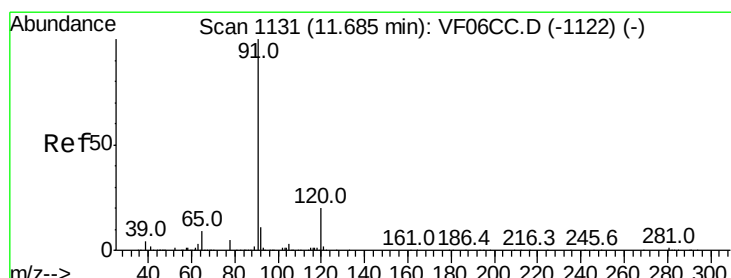
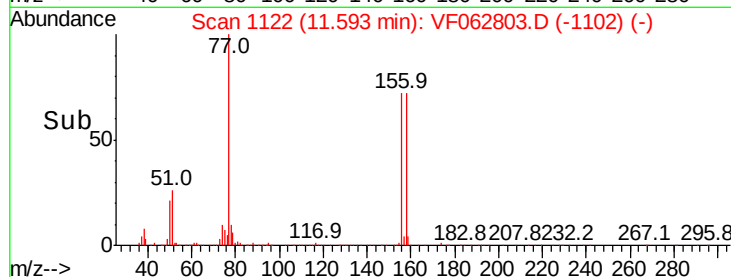
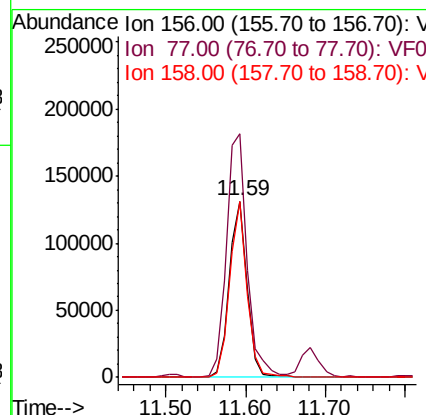
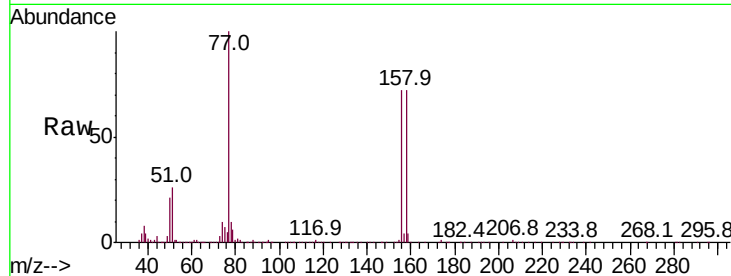
ClientSampleId :

VF0531SBS01

Tot Ion:	156	Resp:	209423
Ion Ratio	Lower	Upper	
156	100		
77	138.3	64.2	192.6
158	99.7	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.887 ug/l

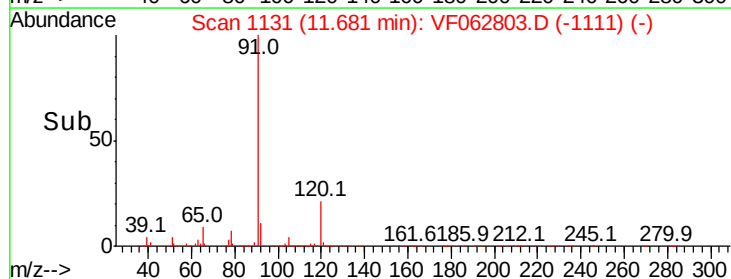
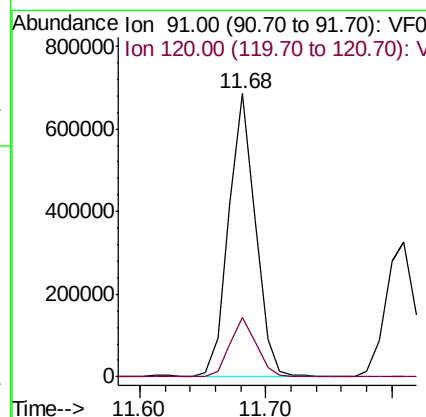
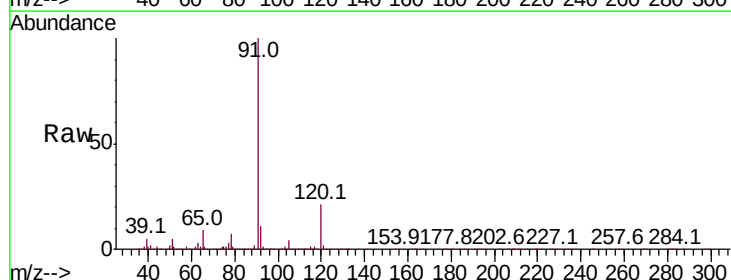
RT: 11.68 min Scan# 1131

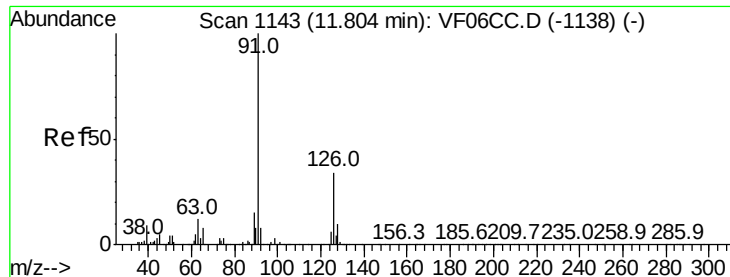
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	91	Resp:	999876
Ion Ratio	Lower	Upper	
91	100		
120	21.2	12.8	38.4





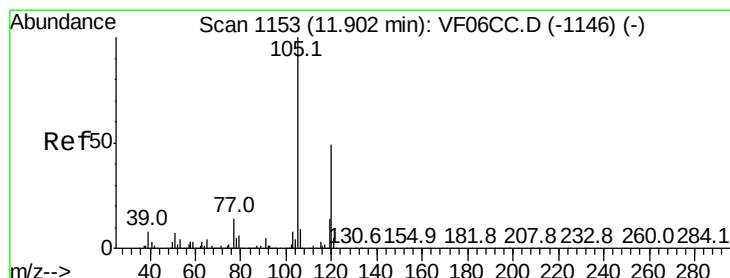
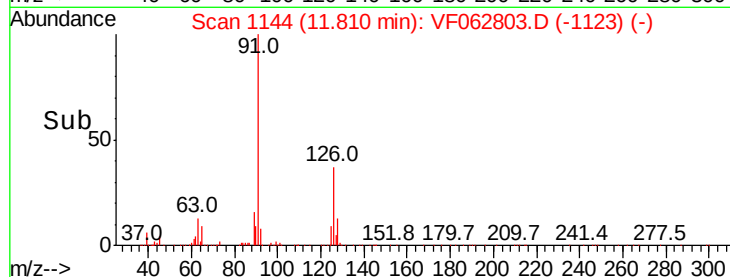
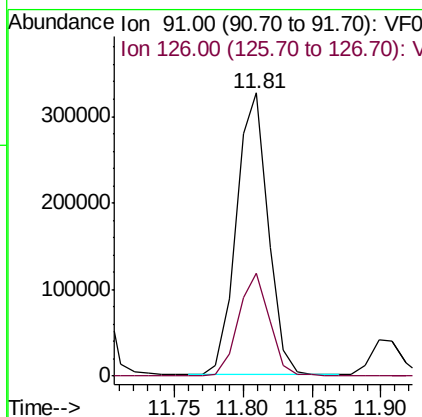
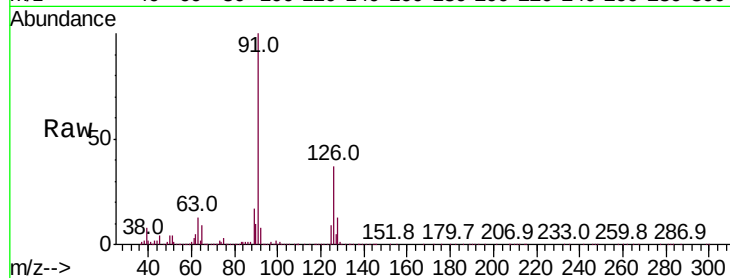
#79
2-Chlorotoluene
Concen: 19.104 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	523280		
126	36.5	17.8	53.3	

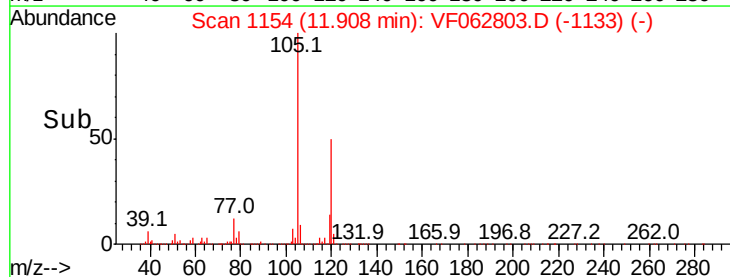
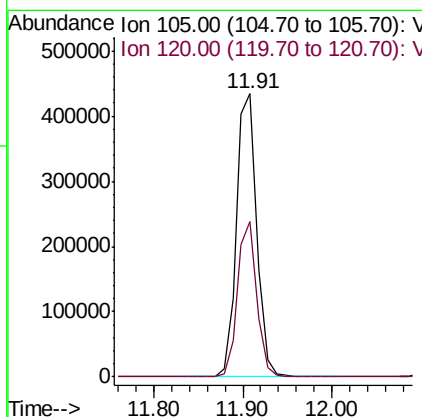
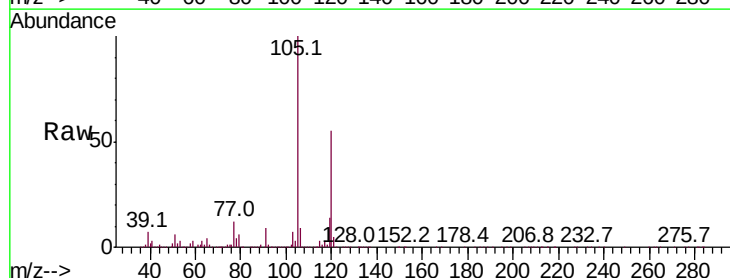
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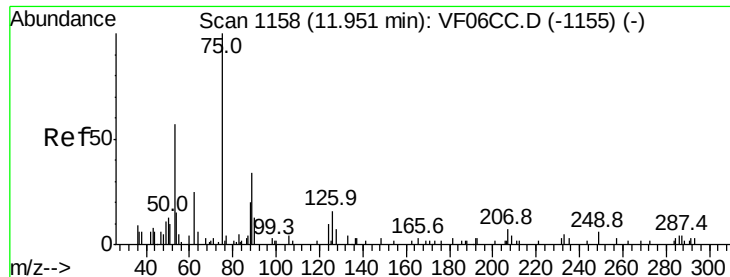
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.394 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	693671		
120	55.1	28.7	86.1	





#81

trans-1,4-Dichloro-2-butene

Concen: 20.979 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

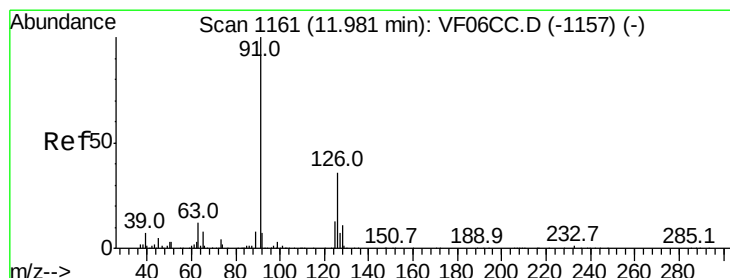
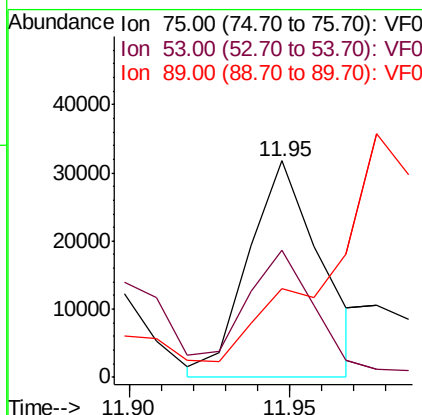
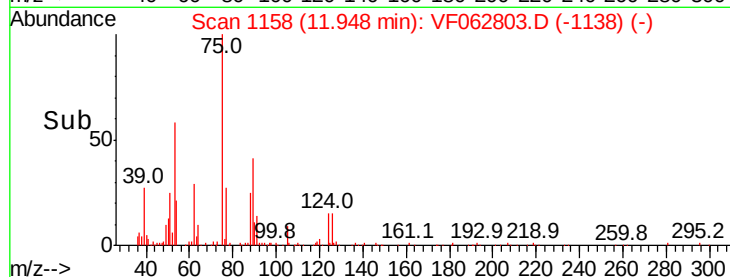
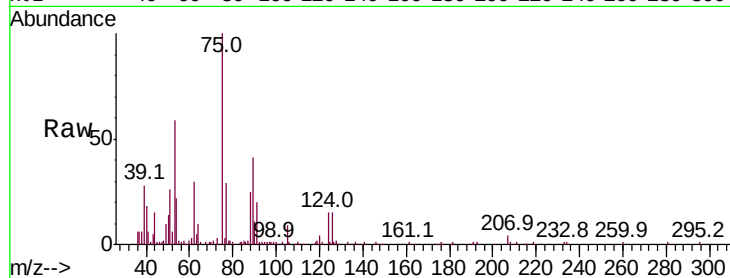
ClientSampleId :

VF0531SBS01

Tot Ion:	75	Resp:	49847
Ion	Ratio	Lower	Upper
75	100		
53	58.7	43.5	65.3
89	41.2	34.3	51.5

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#82

4-Chlorotoluene

Concen: 20.781 ug/l

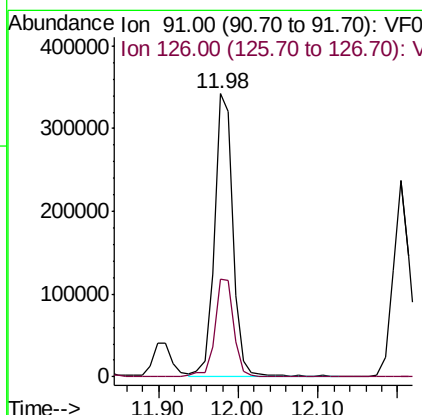
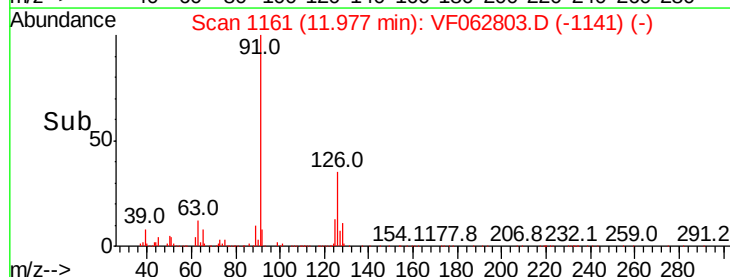
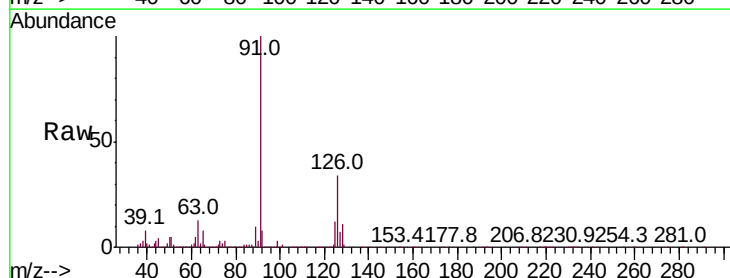
RT: 11.98 min Scan# 1161

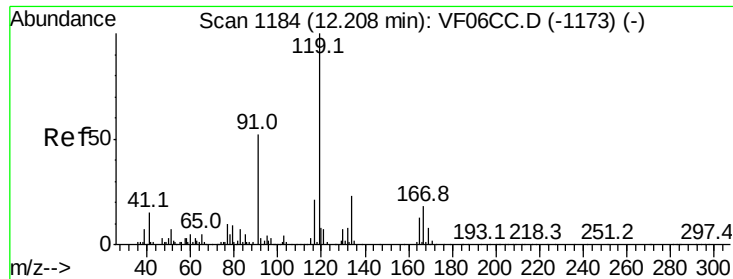
Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	91	Resp:	559393
Ion	Ratio	Lower	Upper
91	100		
126	34.5	19.1	57.1





#83

tert-Butylbenzene

Concen: 19.984 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062803.D

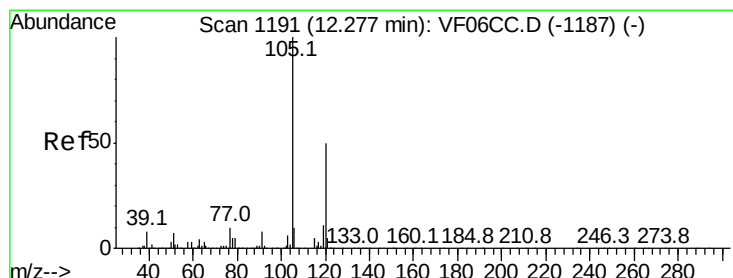
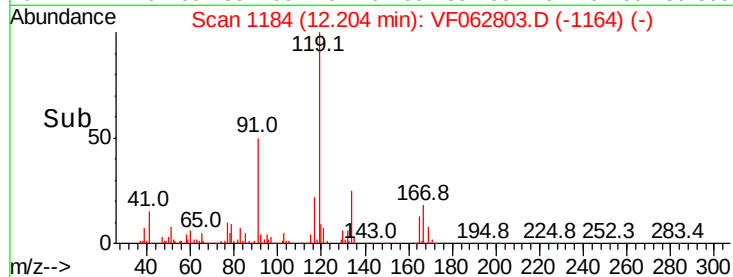
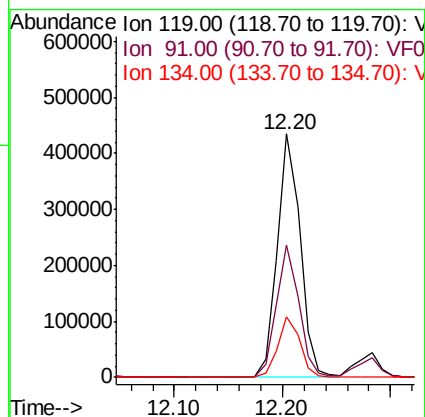
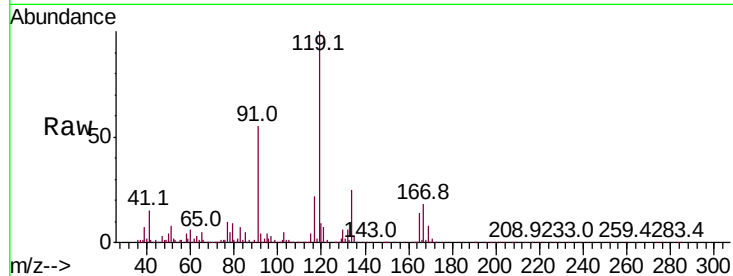
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion:	119	Resp:	642040
Ion Ratio	Lower	Upper	
119	100		
91	54.6	28.9	86.7
134	24.8	14.3	42.9

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#84

1,2,4-Trimethylbenzene

Concen: 16.898 ug/l

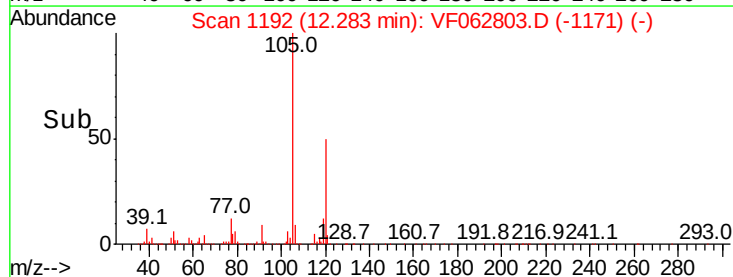
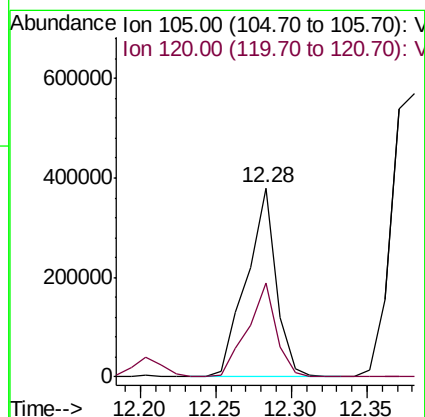
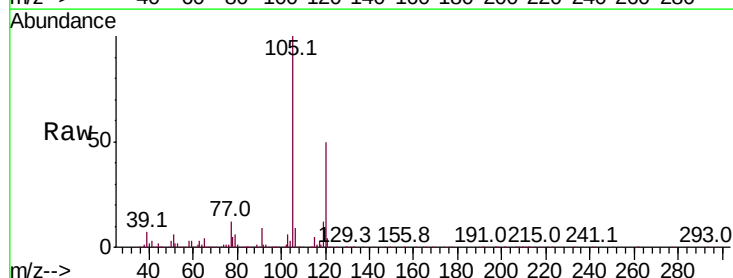
RT: 12.28 min Scan# 1192

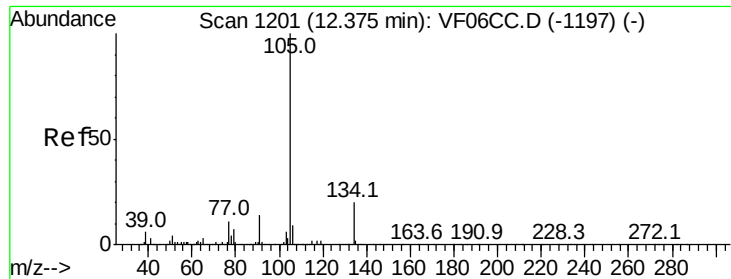
Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	105	Resp:	519453
Ion Ratio	Lower	Upper	
105	100		
120	49.8	27.1	81.3





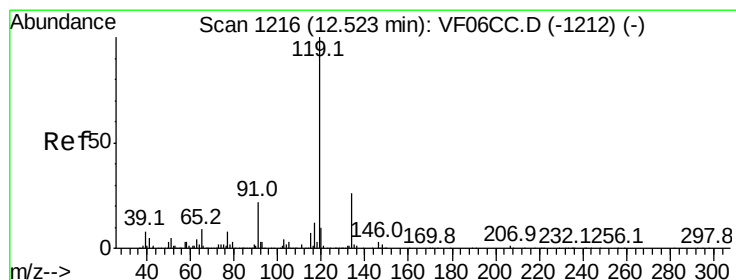
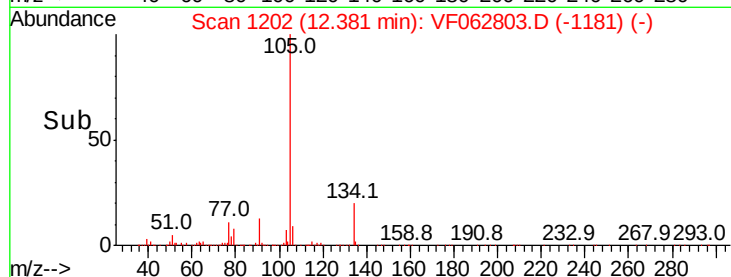
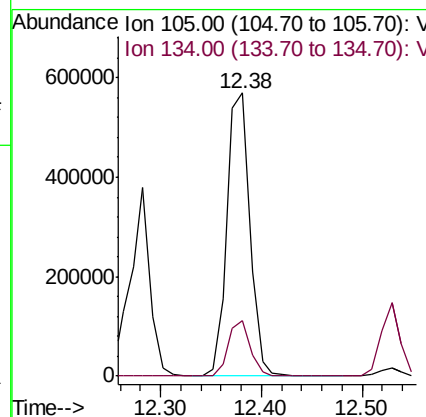
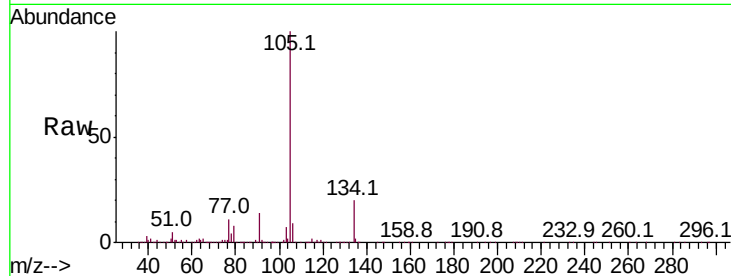
#85
 sec-Butylbenzene
 Concen: 21.372 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.5	31.6

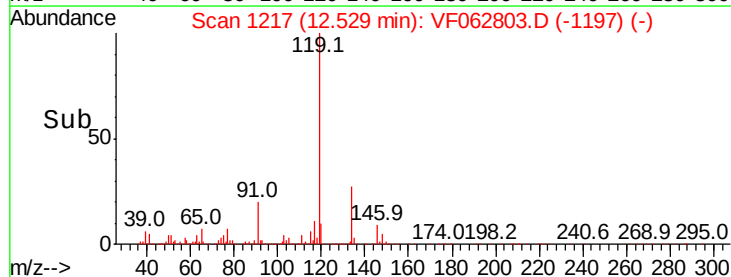
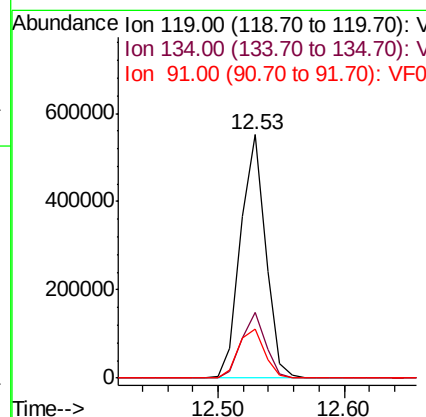
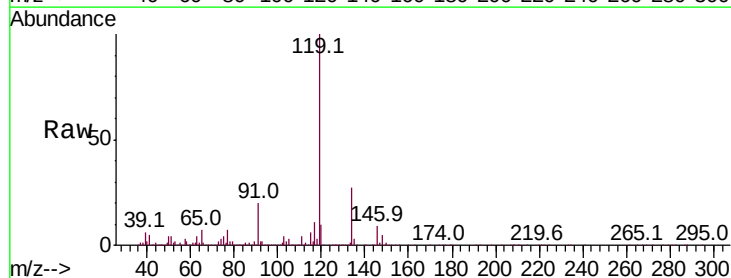
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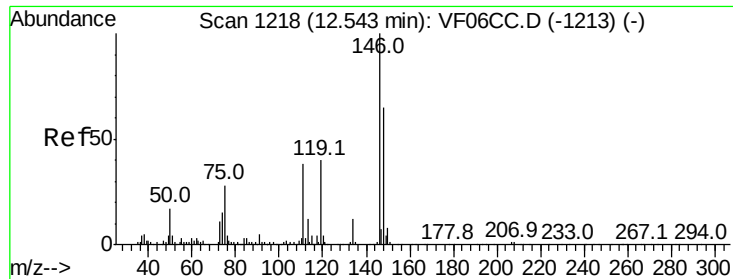
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#86
 p-Isopropyltoluene
 Concen: 21.372 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	15.5	46.5
91	20.1	10.3	30.9





#87

1,3-Dichlorobenzene

Concen: 21.918 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062803.D

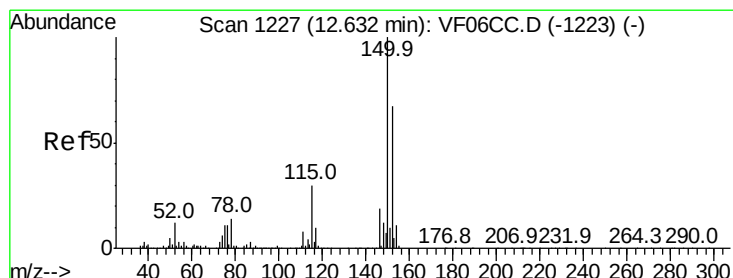
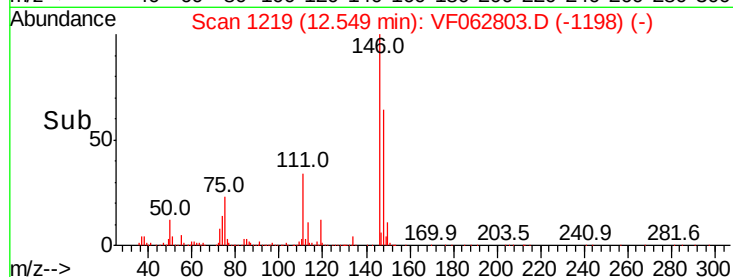
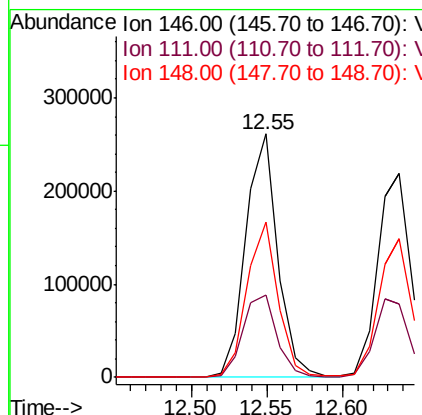
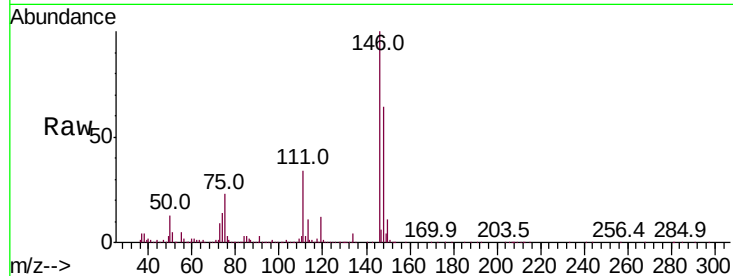
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	385072		
111	33.9	19.6	58.8	
148	63.6	34.2	102.5	

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#88

1,4-Dichlorobenzene

Concen: 20.826 ug/l

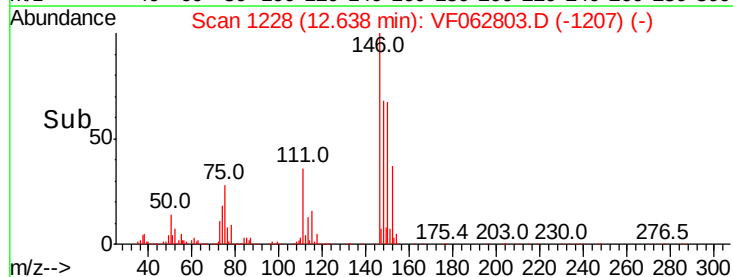
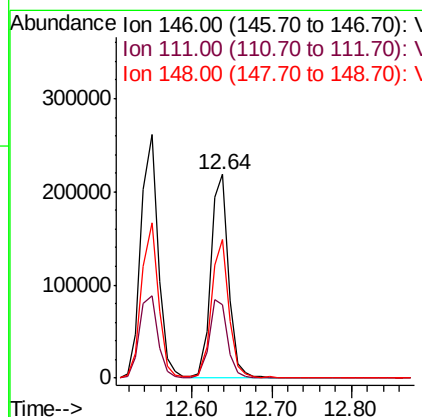
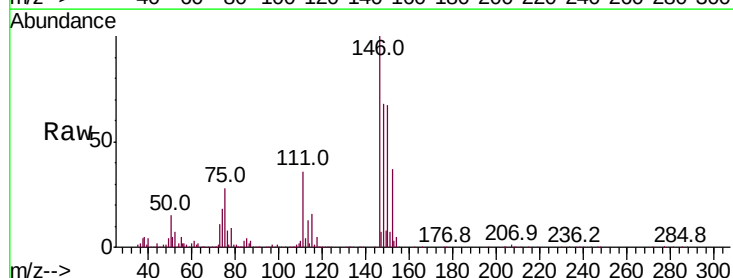
RT: 12.64 min Scan# 1228

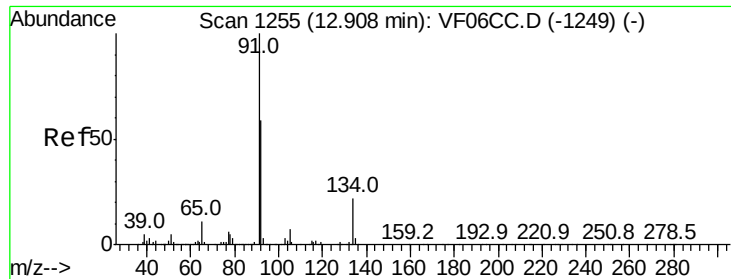
Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	341458		
111	35.7	20.3	60.9	
148	68.3	34.0	101.8	





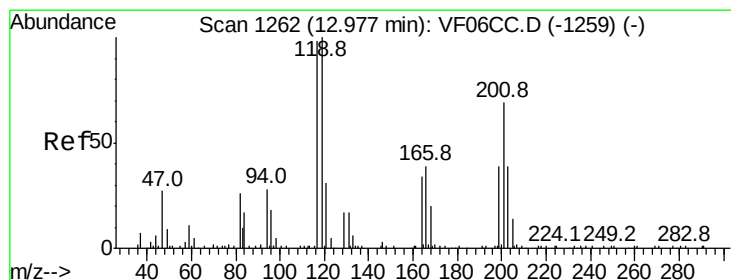
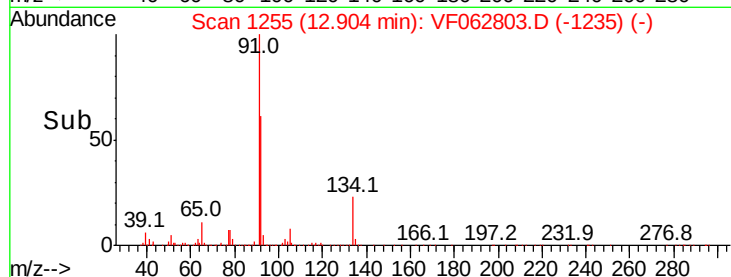
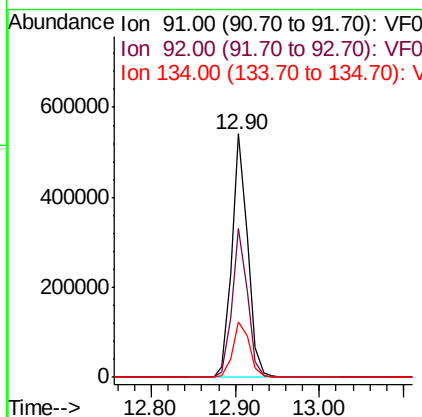
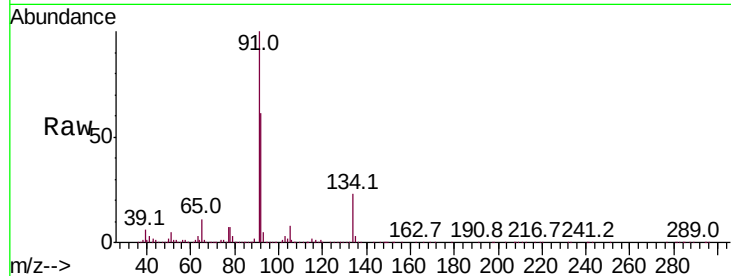
#89
n-Butylbenzene
Concen: 19.810 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	34.2	102.6
134	22.9	15.8	47.3

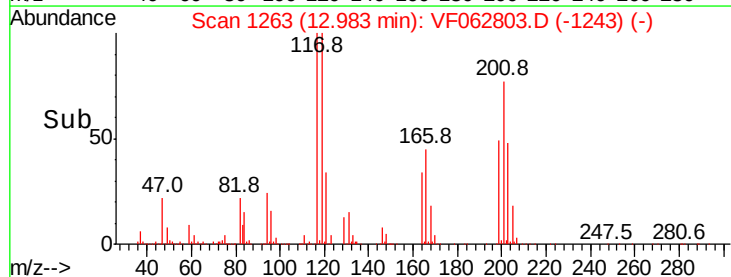
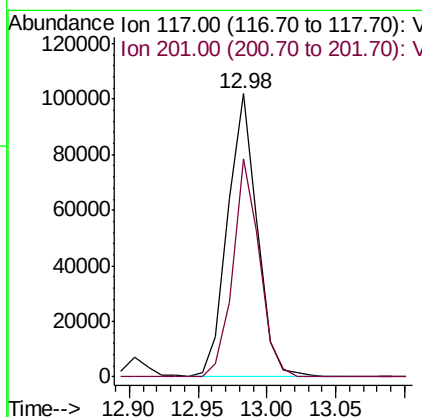
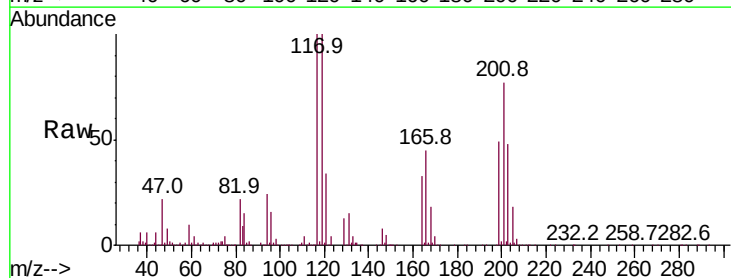
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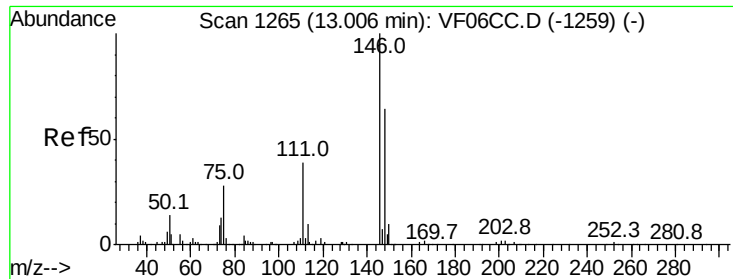
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#90
Hexachloroethane
Concen: 17.633 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062803.D
Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.9	116.7





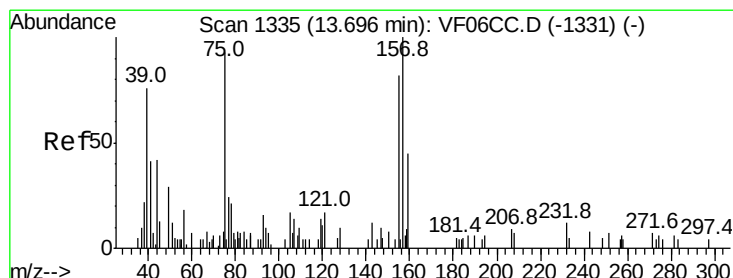
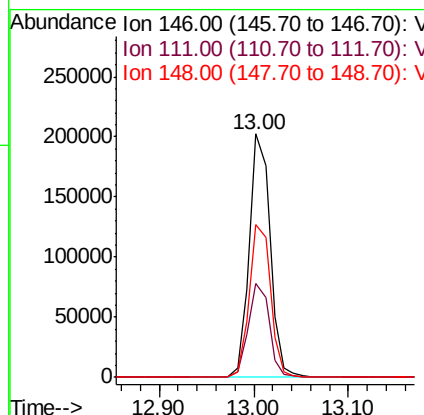
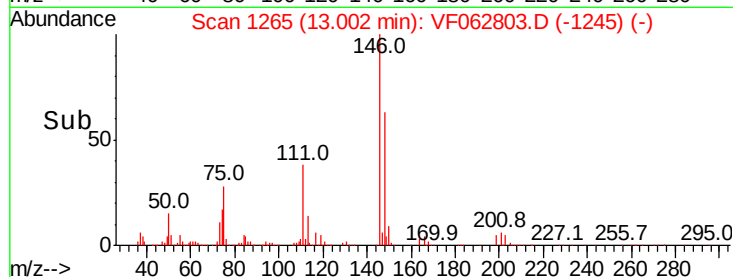
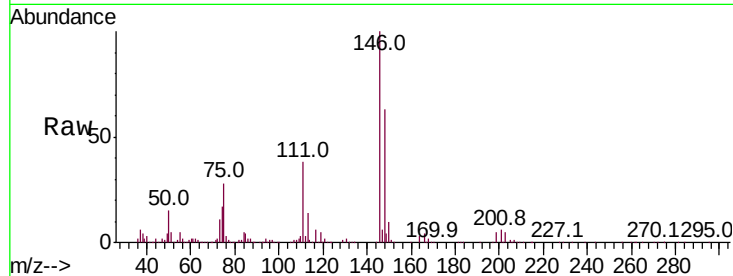
#91
 1,2-Dichlorobenzene
 Concen: 20.069 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.4	61.3
148	62.5	34.1	102.3

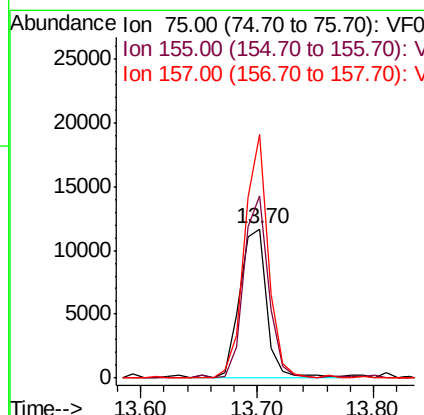
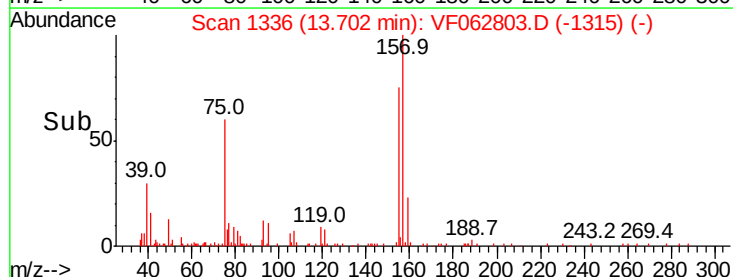
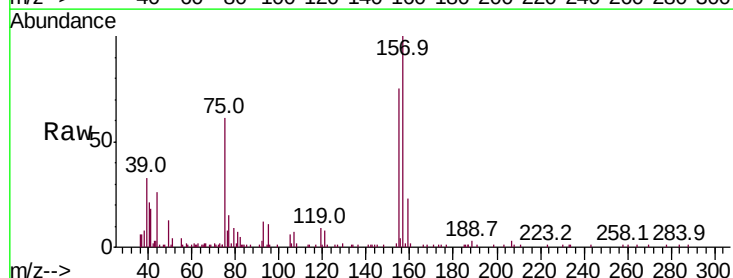
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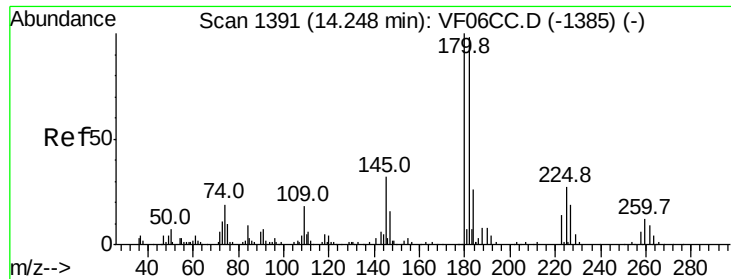
MMDadoda
 6/4/2019 8:45:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.645 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.8	51.7	155.1
157	163.3	66.8	200.6





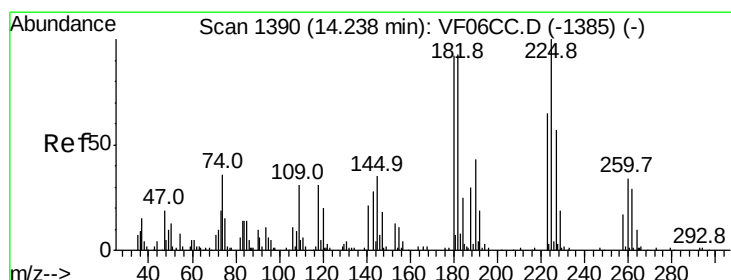
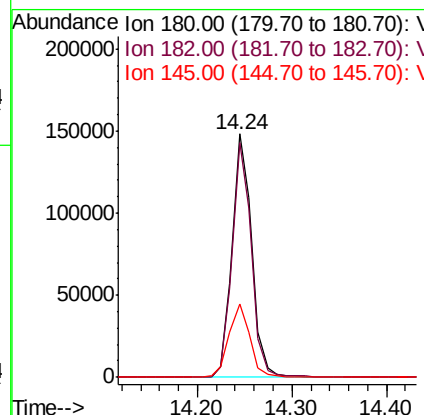
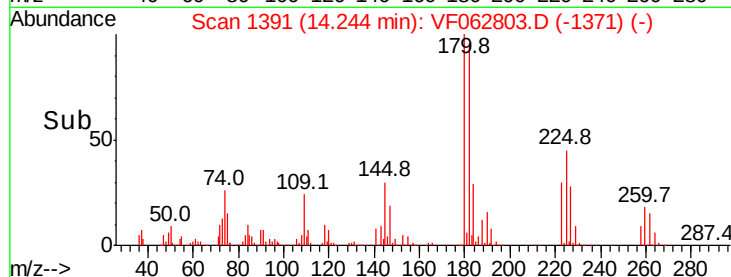
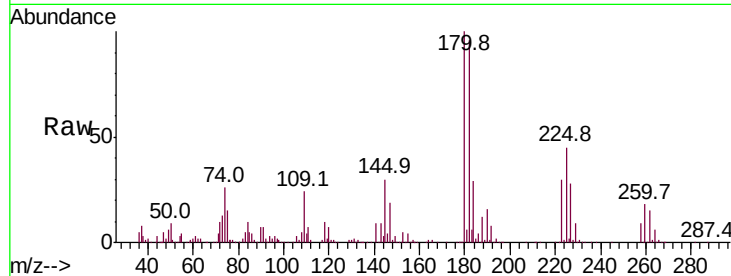
#93
 1,2,4-Trichlorobenzene
 Concen: 20.043 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion:	180	Resp:	212512
Ion Ratio	Lower	Upper	
180	100		
182	96.3	50.3	150.9
145	30.2	15.4	46.2

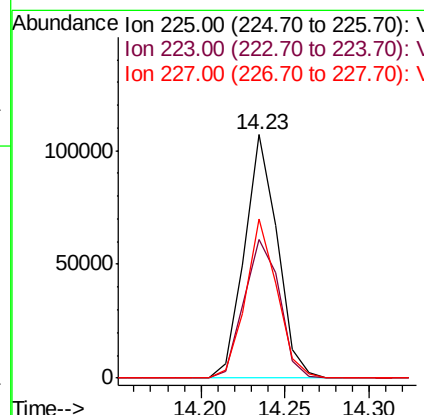
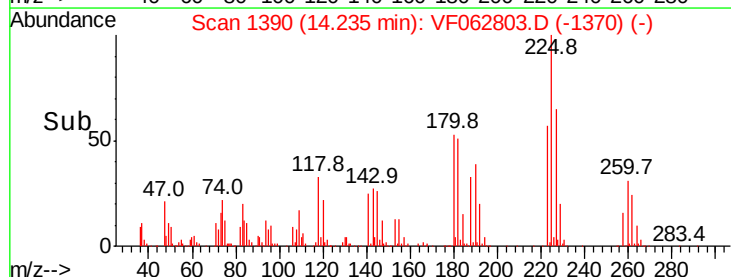
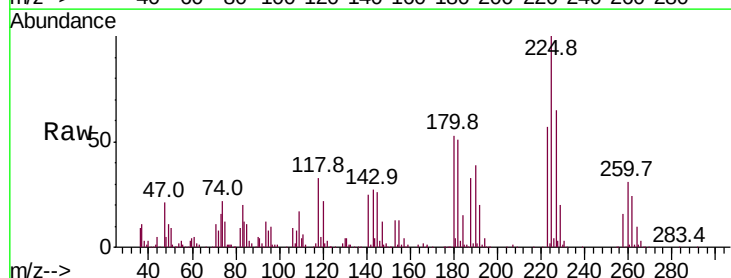
Manual Integrations
 APPROVED

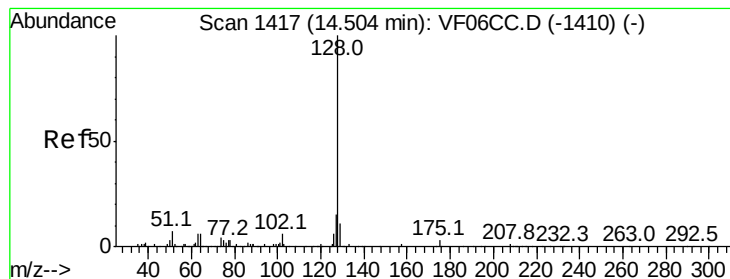
MMDadoda
 6/4/2019 8:45:22 AM



#94
 Hexachlorobutadiene
 Concen: 19.778 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062803.D
 Acq: 31 May 2019 12:33

Tgt Ion:	225	Resp:	145067
Ion Ratio	Lower	Upper	
225	100		
223	57.2	30.8	92.4
227	65.2	31.9	95.5





#95

Naphthalene

Concen: 19.856 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Instrument :

MSVOA_F

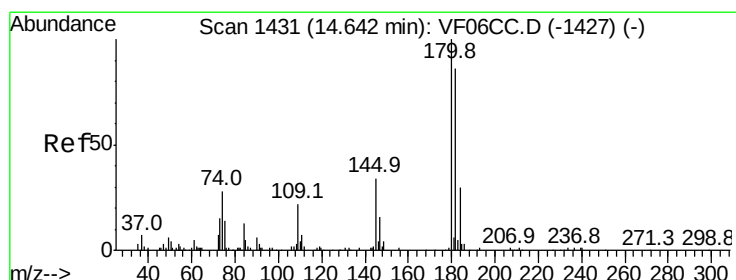
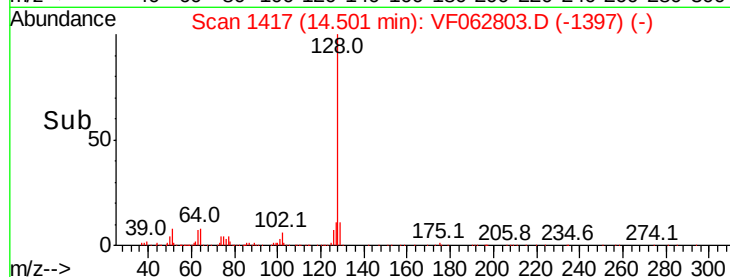
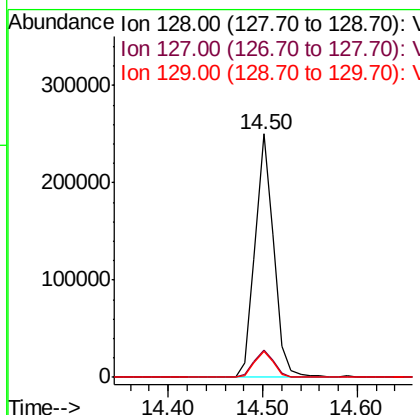
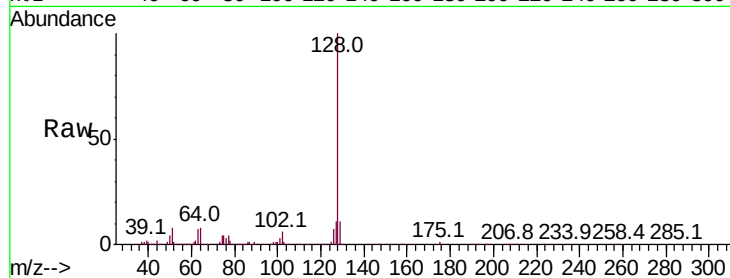
ClientSampleId :

VF0531SBS01

Tot Ion:	128	Resp:	344899
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.7	14.5
129	10.9	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.396 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062803.D

Acq: 31 May 2019 12:33

Tgt Ion:	180	Resp:	197395
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.6	145.9
145	29.2	15.7	47.0

