

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062804.D
 Acq On : 31 May 2019 13:01
 Operator : FY/SY
 Sample : VF0531SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:23 AM

Quant Time: Jun 01 01:12:42 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	877111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1465451	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1109184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	513672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	297900	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
35) Dibromofluoromethane	4.33	113	568960	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	7.73	98	1386519	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	496726	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	256522	23.571	ug/l	92
3) Chloromethane	1.15	50	213588	23.534	ug/l	97
4) Vinyl Chloride	1.19	62	199057	22.072	ug/l	98
5) Bromomethane	1.41	94	110655	21.514	ug/l	91
6) Chloroethane	1.47	64	71213	21.119	ug/l #	77
7) Trichlorofluoromethane	1.56	101	275628m	21.588	ug/l	
8) Diethyl Ether	1.71	74	53332	21.232	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.93	101	173877	21.662	ug/l	89
10) Methyl Iodide	2.01	142	350496m	21.777	ug/l	
11) Tert butyl alcohol	2.71	59	41333	112.493	ug/l #	93
12) 1,1-Dichloroethene	1.89	96	154366	21.178	ug/l	95
13) Acrolein	2.11	56	14188	91.470	ug/l #	74
14) Allyl chloride	2.21	41	117355	20.754	ug/l	93
15) Acrylonitrile	3.11	53	134992	97.775	ug/l	98
16) Acetone	2.37	43	132810	95.670	ug/l	99
17) Carbon Disulfide	1.92	76	460858	21.633	ug/l	98
18) Methyl Acetate	2.47	43	52326	21.570	ug/l	92
19) Methyl tert-butyl Ether	2.56	73	288710	21.863	ug/l	99
20) Methylene Chloride	2.37	84	156107m	20.707	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	163346m	22.351	ug/l	
22) Diisopropyl ether	2.96	45	341171	21.236	ug/l	96
23) Vinyl Acetate	3.36	43	1248077	113.477	ug/l	97
24) 1,1-Dichloroethane	3.03	63	242456	20.213	ug/l #	96
25) 2-Butanone	4.54	43	365351	113.013	ug/l	98
26) 2,2-Dichloropropane	3.79	77	141097	20.717	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	270575	22.026	ug/l	94
28) Bromochloromethane	3.92	49	130669	20.027	ug/l	97
29) Tetrahydrofuran	4.29	42	131884	106.662	ug/l	99
30) Chloroform	4.07	83	368972	21.826	ug/l	98
31) Cyclohexane	3.89	56	357366m	22.006	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	184692	18.764	ug/l	91
36) 1,1-Dichloropropene	4.49	75	298037	22.092	ug/l	98
37) Ethyl Acetate	4.33	43	113918	22.090	ug/l	89
38) Carbon Tetrachloride	4.21	117	177778	19.498	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053119\
 Data File : VF062804.D
 Acq On : 31 May 2019 13:01
 Operator : FY/SY
 Sample : VF0531SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 8:45:23 AM

Quant Time: Jun 01 01:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	379748	22.617	ug/l	97
40) Benzene	4.84	78	857467	21.839	ug/l	99
41) Methacrylonitrile	4.95	41	58565	20.428	ug/l	91
42) 1,2-Dichloroethane	5.15	62	159746	21.392	ug/l	93
43) Isopropyl Acetate	7.14	43	145401	21.343	ug/l #	99
44) Trichloroethene	5.70	130	229583	20.719	ug/l	96
45) 1,2-Dichloropropane	6.43	63	211810	21.497	ug/l	92
46) Dibromomethane	6.28	93	123581	21.483	ug/l	97
47) Bromodichloromethane	6.57	83	246785	21.065	ug/l	99
48) Methyl methacrylate	6.90	41	72781	20.730	ug/l	92
49) 1,4-Dioxane	6.89	88	19378	418.729	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	533855	109.762	ug/l	97
52) Toluene	7.80	92	458164	21.665	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	209931	21.624	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	303543	21.601	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	130753	20.696	ug/l	96
56) Ethyl methacrylate	8.77	69	149344	22.031	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	227929	22.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	282565	119.270	ug/l	99
59) 2-Hexanone	9.64	43	394504	113.798	ug/l	97
60) Dibromochloromethane	8.88	129	171793	21.963	ug/l	91
61) 1,2-Dibromoethane	9.15	107	143366	21.850	ug/l	99
64) Tetrachloroethene	8.32	164	177992	20.883	ug/l	96
65) Chlorobenzene	9.96	112	454640	21.225	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	179402	21.030	ug/l	98
67) Ethyl Benzene	10.04	91	822011	22.363	ug/l	98
68) m/p-Xylenes	10.27	106	616972	43.863	ug/l	84
69) o-Xylene	10.83	106	318587	22.371	ug/l	92
70) Styrene	10.90	104	469492	22.367	ug/l	99
71) Bromoform	10.89	173	86337	21.097	ug/l #	97
73) Isopropylbenzene	11.23	105	856646	23.901	ug/l	96
74) N-amyl acetate	11.46	43	255290	25.272	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	165236	21.588	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	108497	21.385	ug/l	93
77) Bromobenzene	11.59	156	194820	21.633	ug/l	86
78) n-propylbenzene	11.68	91	1000072	23.109	ug/l	91
79) 2-Chlorotoluene	11.81	91	527021	21.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	684448	23.351	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	45674m	21.263	ug/l	
82) 4-Chlorotoluene	11.99	91	559976	23.011	ug/l	98
83) tert-Butylbenzene	12.20	119	689251	23.732	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	642719	23.127	ug/l	94
85) sec-Butylbenzene	12.38	105	881893	23.044	ug/l	96
86) p-Isopropyltoluene	12.53	119	740432	23.244	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	345960	21.783	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	328007	22.130	ug/l	93
89) n-Butylbenzene	12.90	91	737481	23.015	ug/l	88
90) Hexachloroethane	12.98	117	173700	22.357	ug/l	83
91) 1,2-Dichlorobenzene	13.01	146	307829	22.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	16723	20.054	ug/l	76

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053119\
Data File : VF062804.D
Acq On : 31 May 2019 13:01
Operator : FY/SY
Sample : VF0531SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBSD01

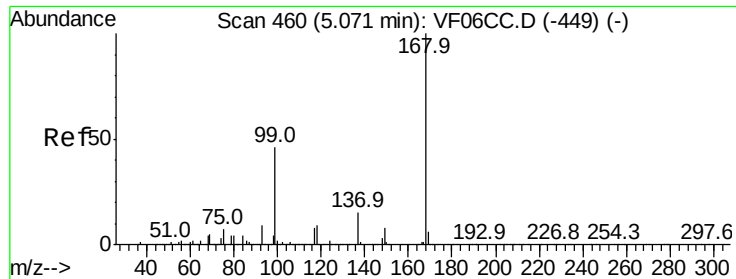
Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM

Quant Time: Jun 01 01:12:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	212613	22.182	ug/l	97
94) Hexachlorobutadiene	14.23	225	150786	22.740	ug/l	98
95) Naphthalene	14.50	128	360494	22.957	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	198576	22.696	ug/l	95

(#) = 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: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion:168 Resp: 877111

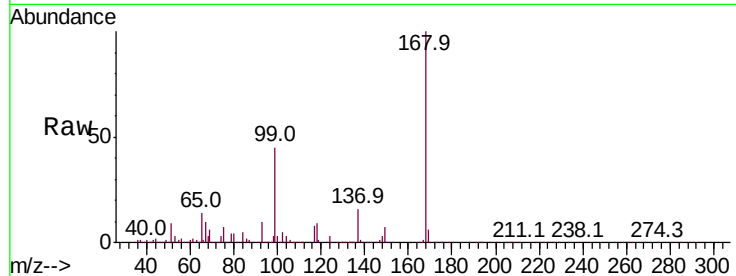
Ion Ratio Lower Upper

168 100

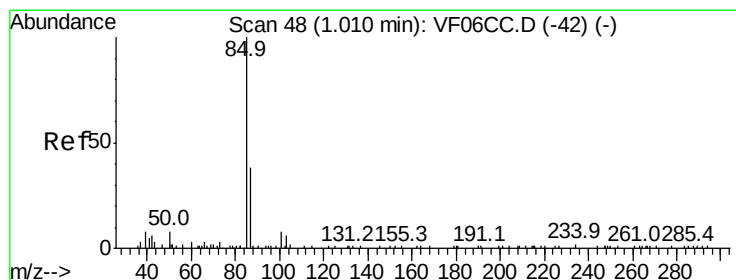
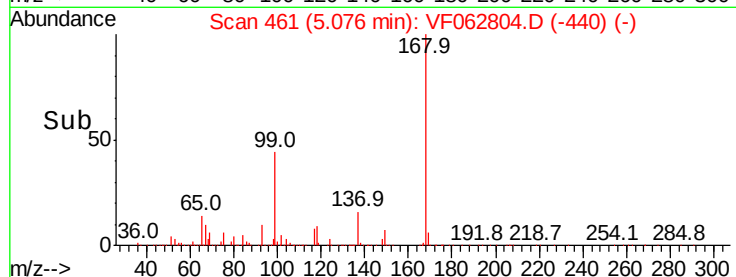
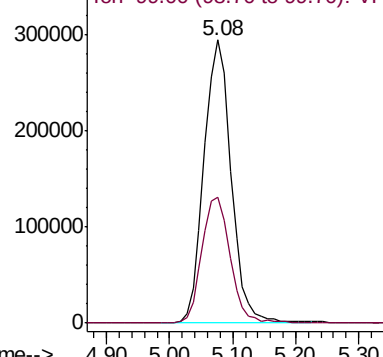
99 44.6 39.1 58.7

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 23.571 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062804.D

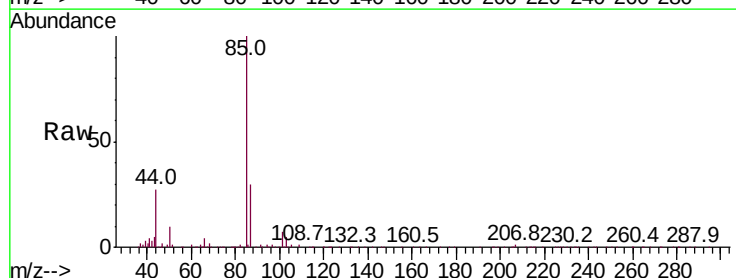
Acq: 31 May 2019 13:01

Tgt Ion: 85 Resp: 256522

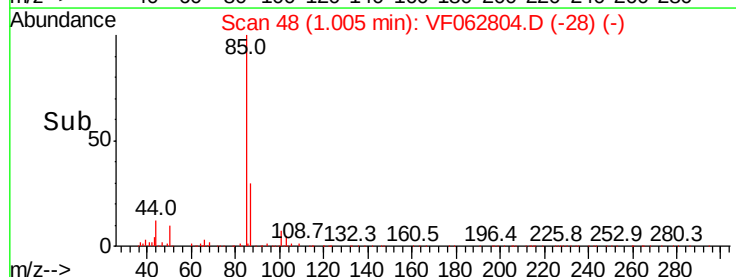
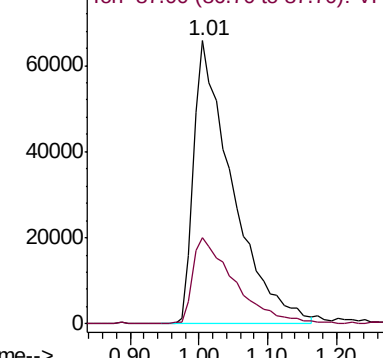
Ion Ratio Lower Upper

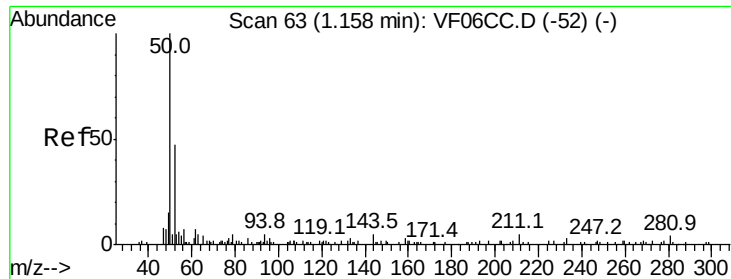
85 100

87 30.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.534 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 50 Resp: 213588

Ion Ratio Lower Upper

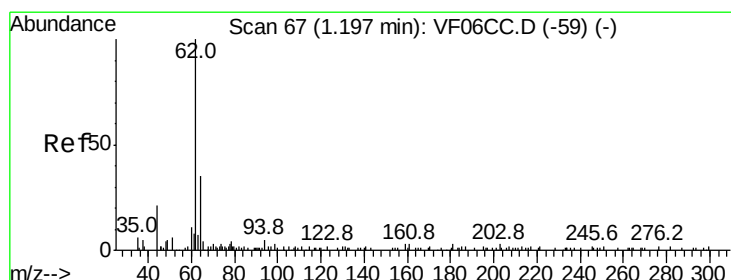
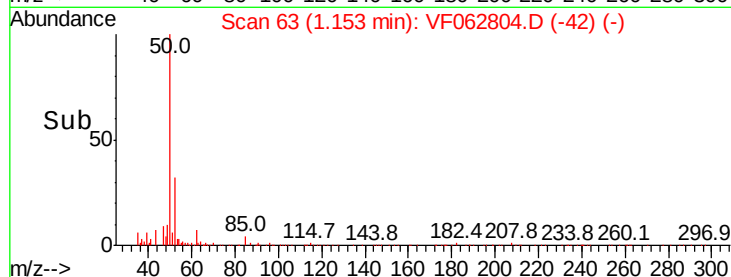
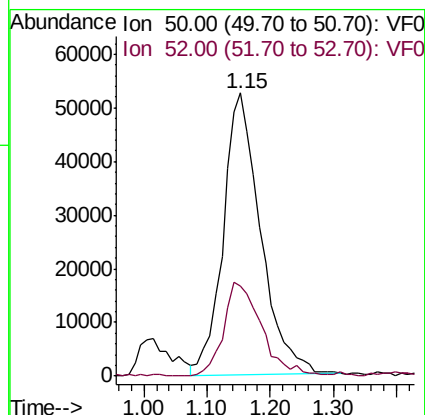
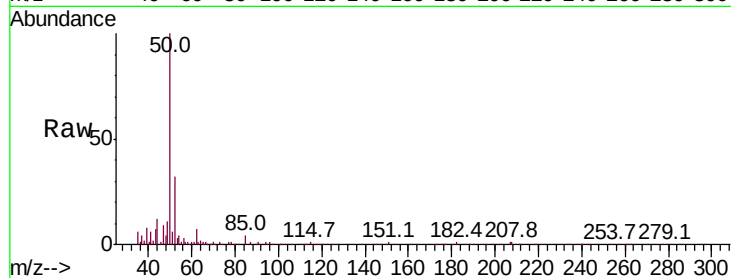
50 100

52 32.0 27.0 40.4

Manual Integrations
APPROVED

MMDadoda

6/4/2019 8:45:23 AM



#4

Vinyl Chloride

Concen: 22.072 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062804.D

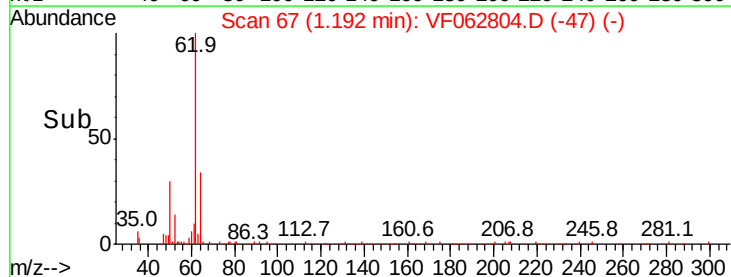
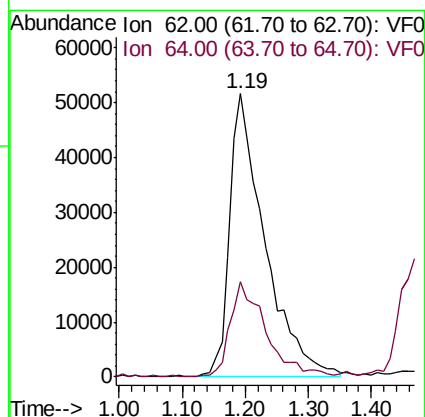
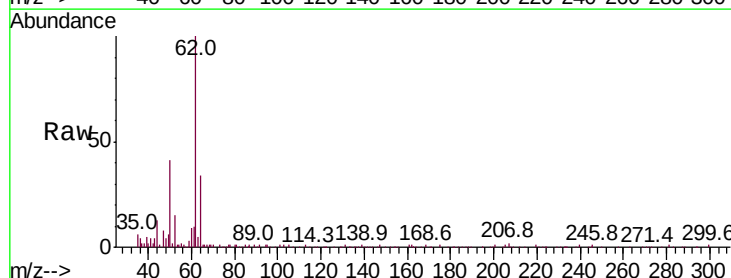
Acq: 31 May 2019 13:01

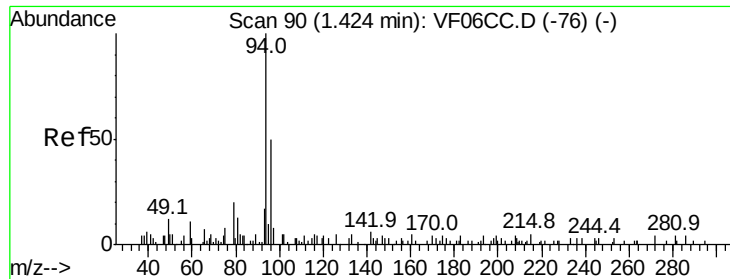
Tgt Ion: 62 Resp: 199057

Ion Ratio Lower Upper

62 100

64 33.9 26.2 39.2





#5

Bromomethane

Concen: 21.514 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tot Ion: 94 Resp: 110655

Ion Ratio Lower Upper

94 100

96 100.6 73.8 110.6

Instrument :

MSVOA_F

ClientSampleId :

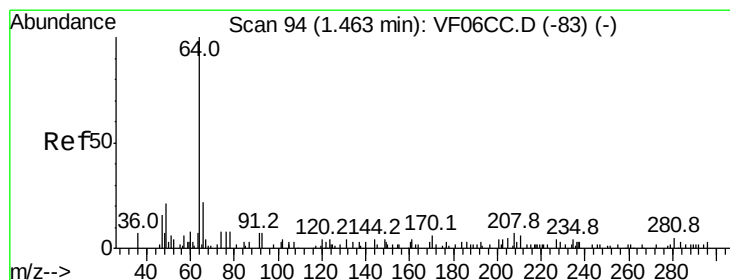
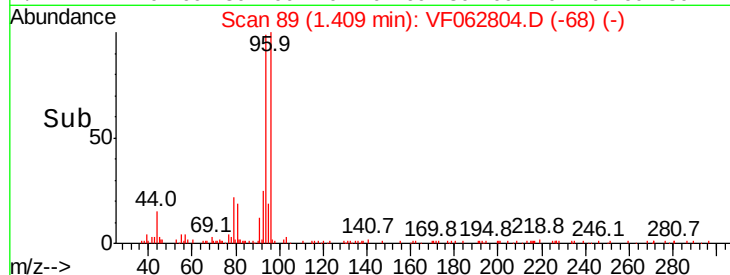
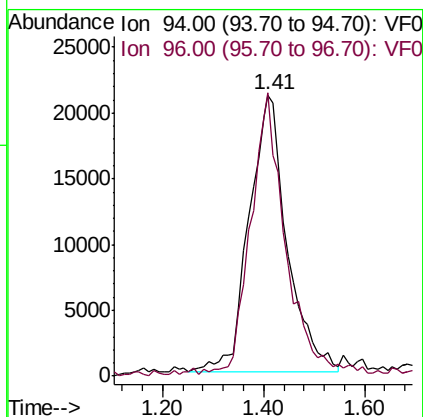
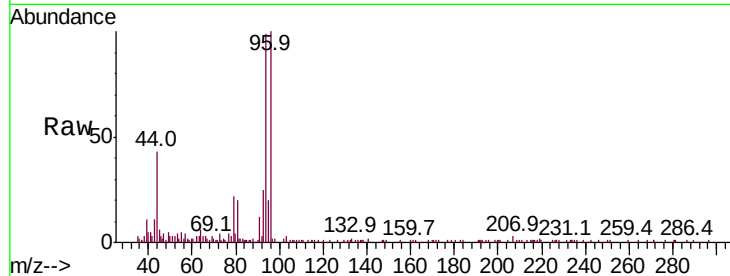
VF0531SBS01

Manual Integrations

APPROVED

MMDadoda

6/4/2019 8:45:23 AM



#6

Chloroethane

Concen: 21.119 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF062804.D

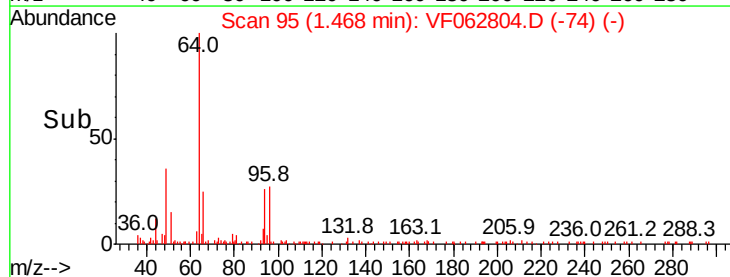
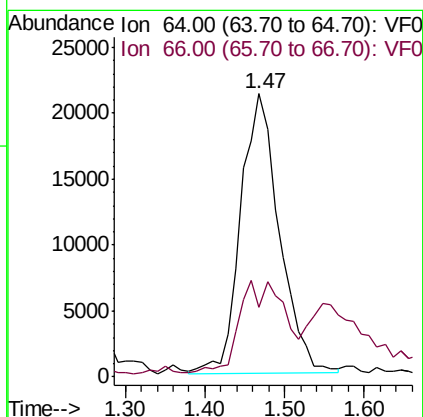
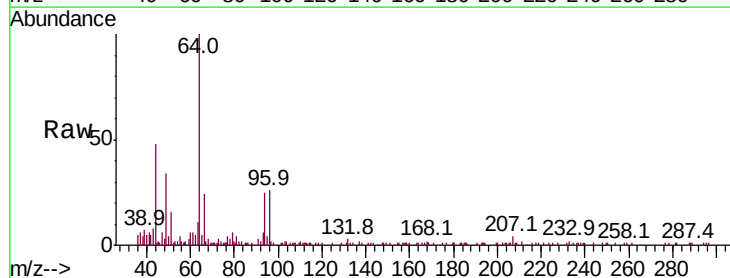
Acq: 31 May 2019 13:01

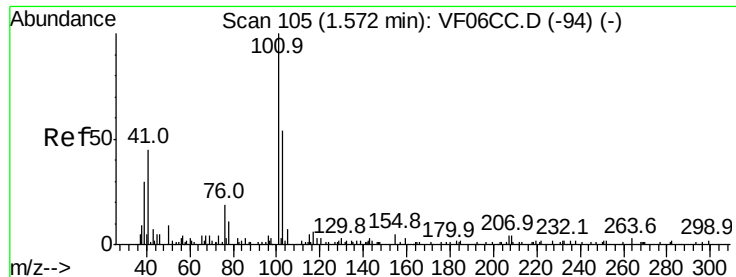
Tgt Ion: 64 Resp: 71213

Ion Ratio Lower Upper

64 100

66 24.4 31.0 46.4#





#7

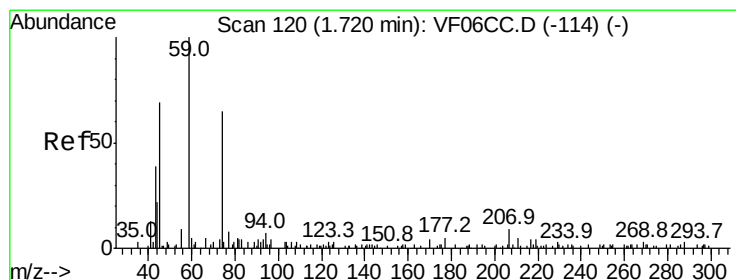
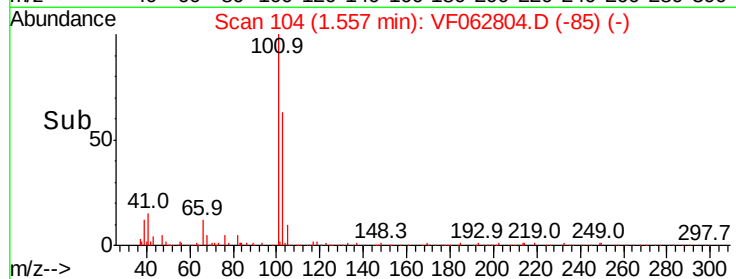
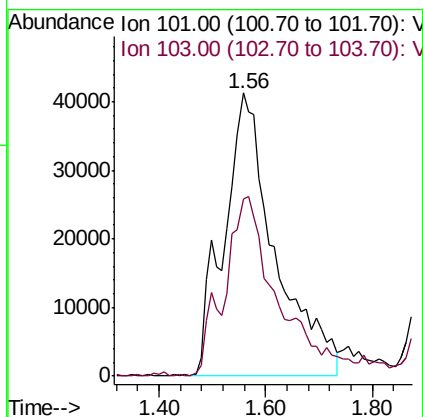
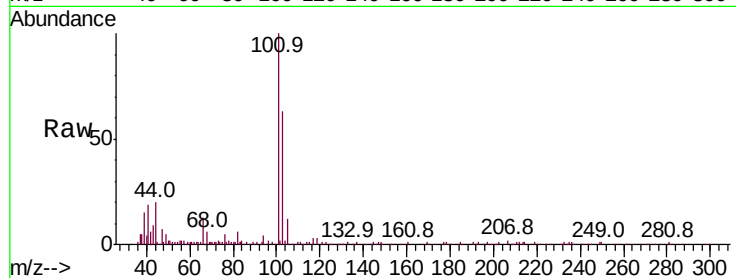
Trichlorofluoromethane
Concen: 21.588 ug/l m
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	275628		
103	62.7		54.6	82.0

Manual Integrations
APPROVED

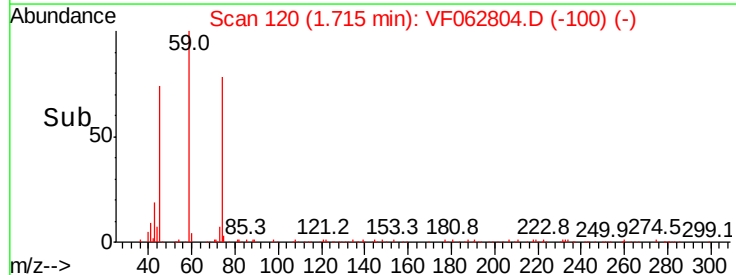
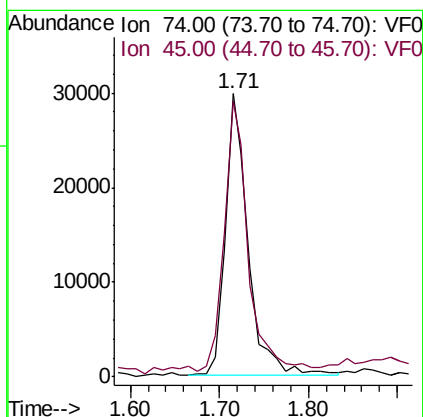
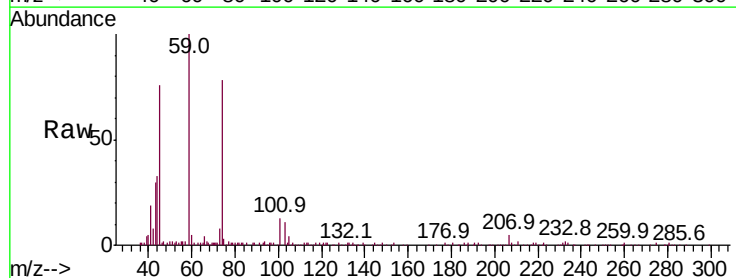
MMDadoda
6/4/2019 8:45:23 AM

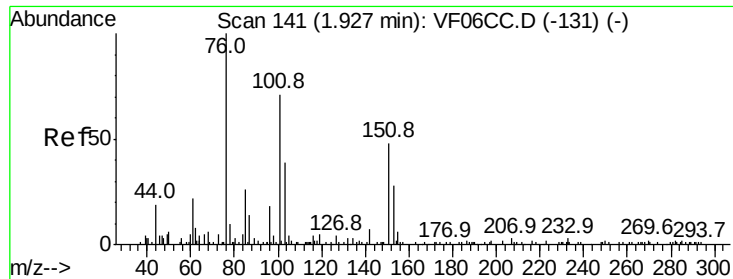


#8

Diethyl Ether
Concen: 21.232 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53332		
45	97.4		47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.662 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

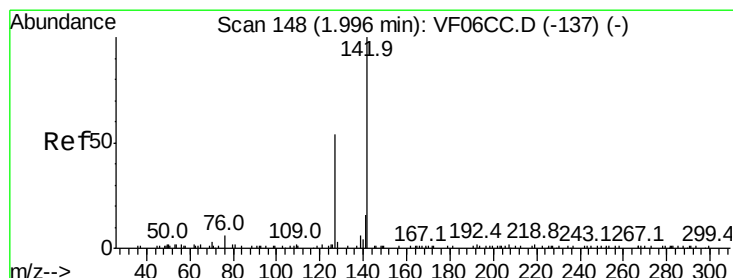
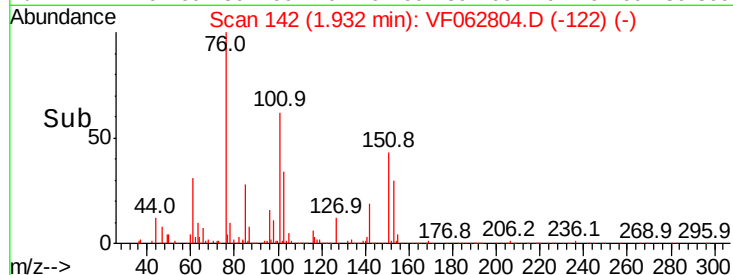
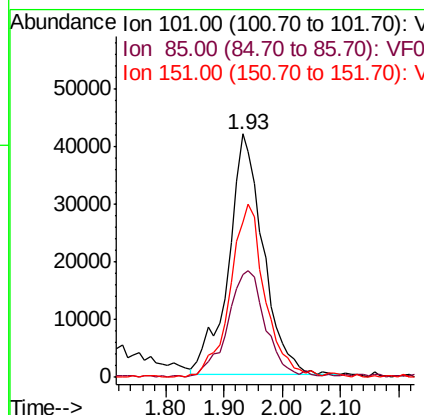
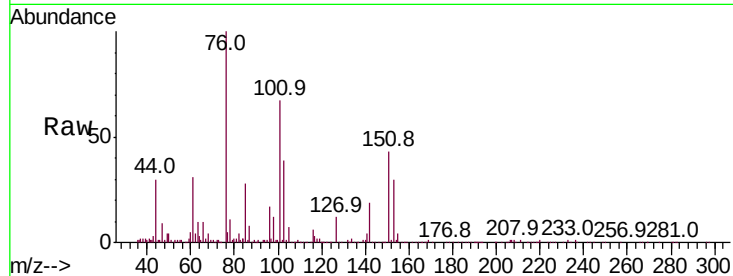
ClientSampleId :

VF0531SBS01

Tot Ion:	101	Resp:	173877
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.1	55.7
151	63.8	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#10

Methyl Iodide

Concen: 21.777 ug/l m

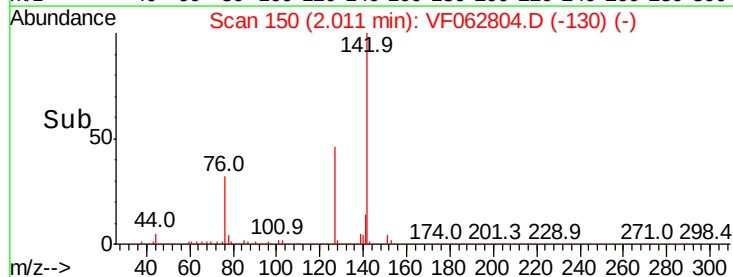
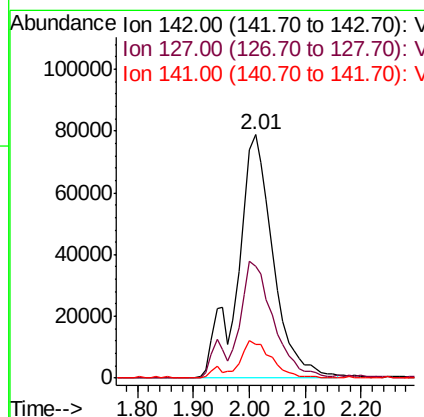
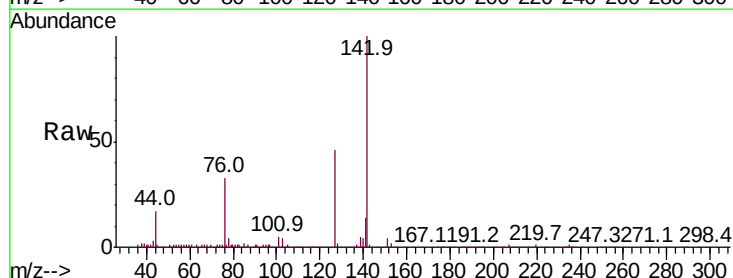
RT: 2.01 min Scan# 150

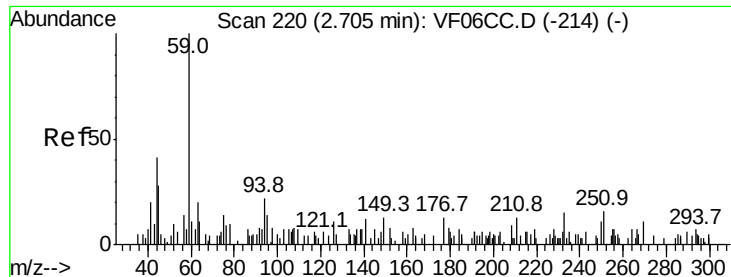
Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	142	Resp:	350496
Ion Ratio	Lower	Upper	
142	100		
127	46.1	39.4	59.2
141	14.0	10.6	15.8





#11

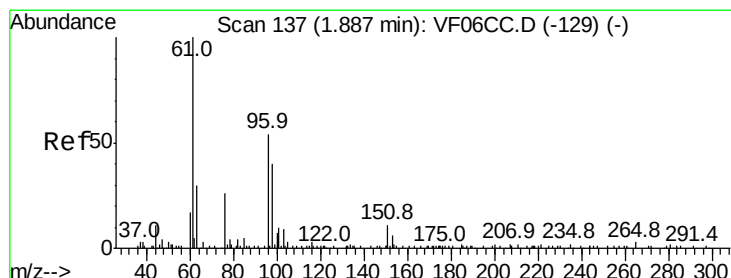
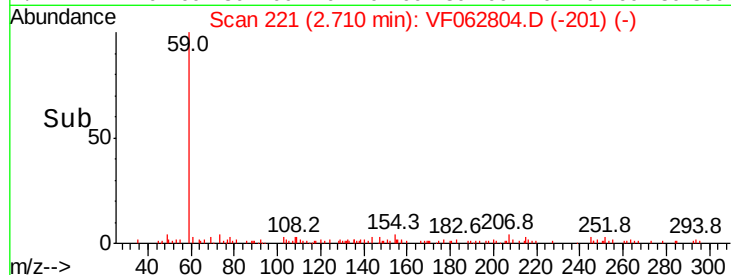
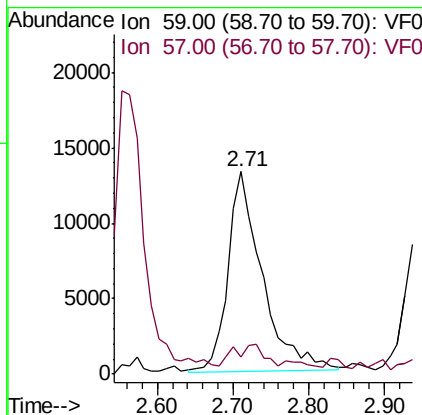
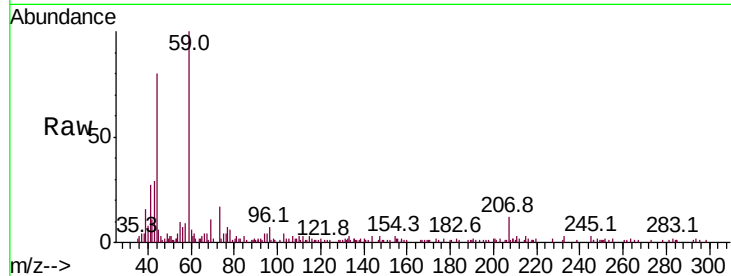
Tert butyl alcohol
Concen: 112.493 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	9.2	13.8#

Manual Integrations
APPROVED

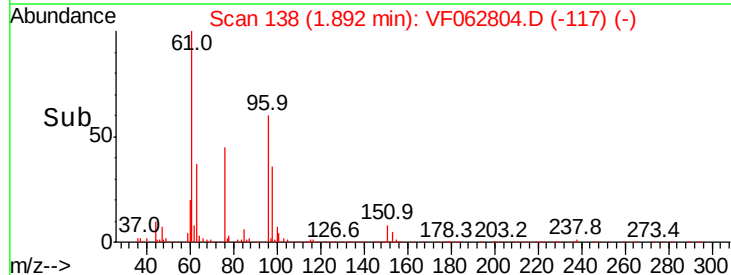
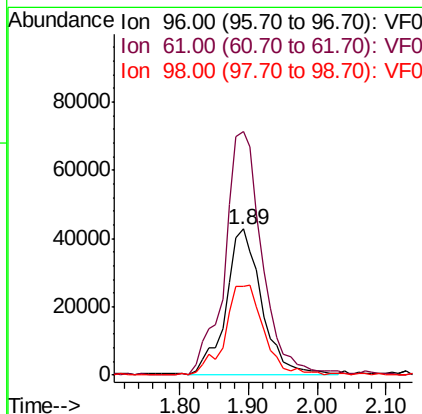
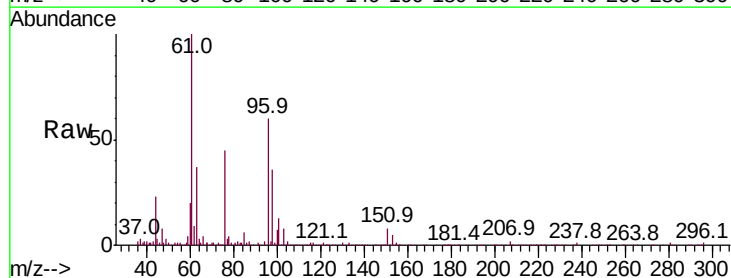
MMDadoda
6/4/2019 8:45:23 AM

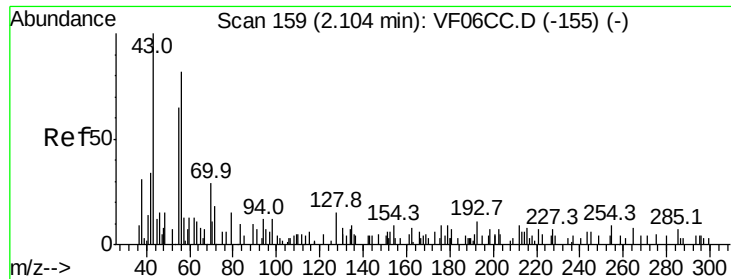


#12

1,1-Dichloroethene
Concen: 21.178 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	139.4	209.2
98	60.4	50.3	75.5





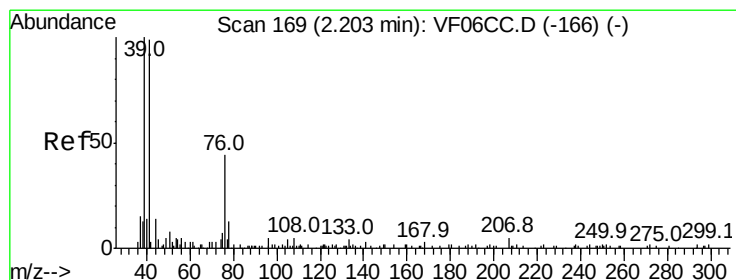
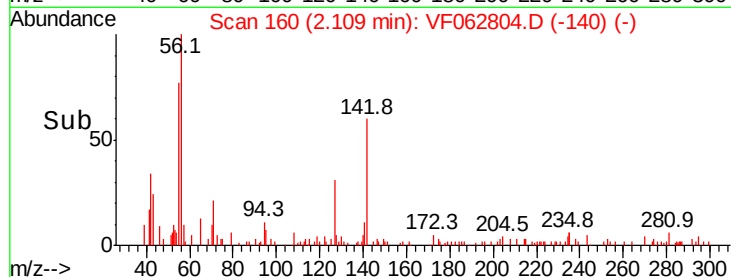
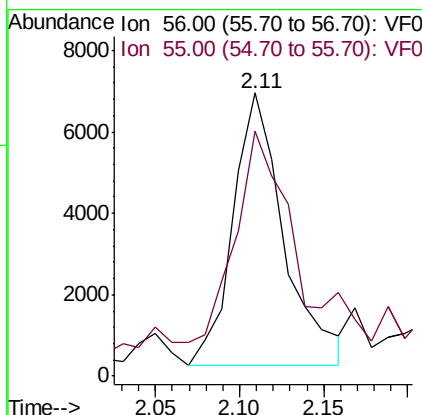
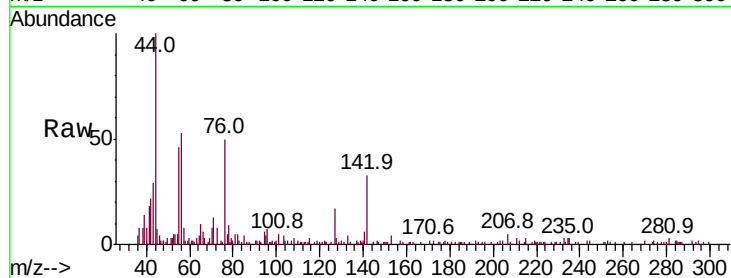
#13
Acrolein
Concen: 91.470 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion: 56 Resp: 14188
Ion Ratio Lower Upper
56 100
55 86.7 52.9 79.3#

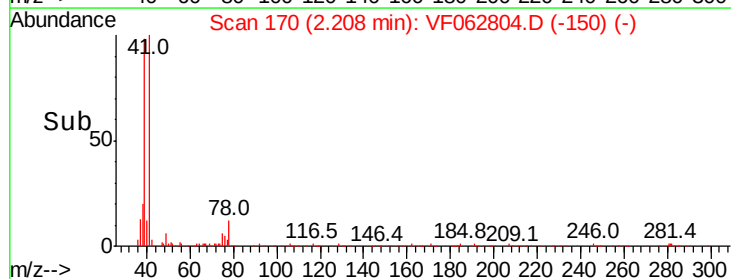
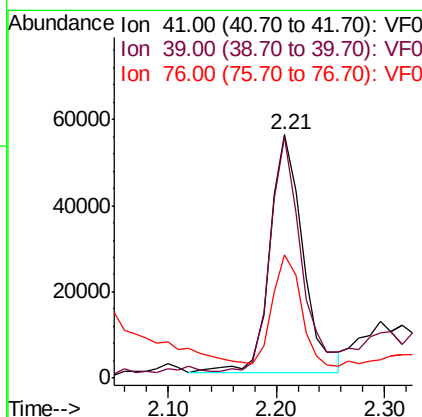
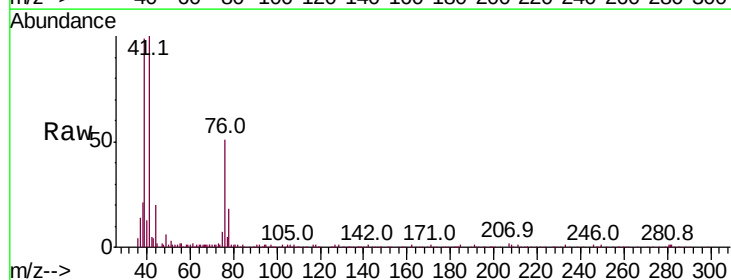
Manual Integrations
APPROVED

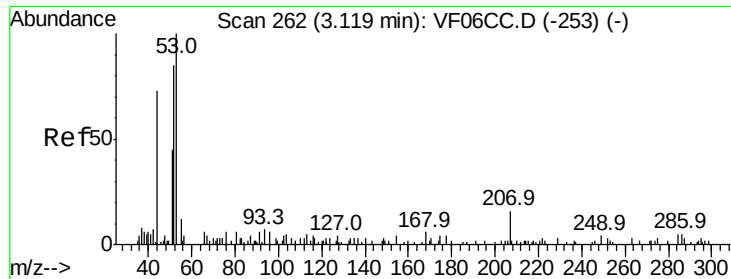
MMDadoda
6/4/2019 8:45:23 AM



#14
Allyl chloride
Concen: 20.754 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion: 41 Resp: 117355
Ion Ratio Lower Upper
41 100
39 98.9 71.9 107.9
76 50.6 39.6 59.4





#15

Acrylonitrile

Concen: 97.775 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

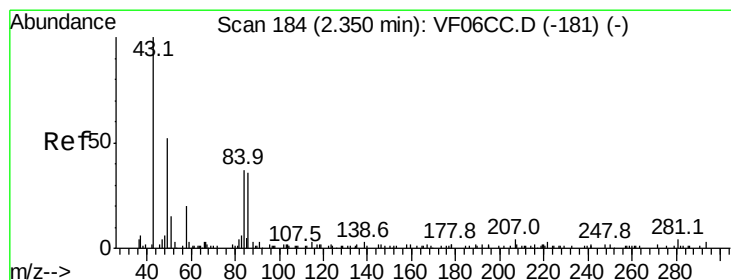
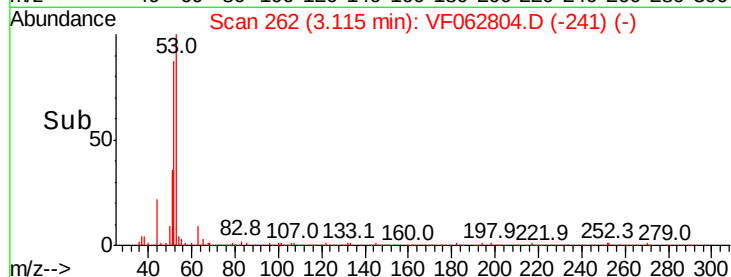
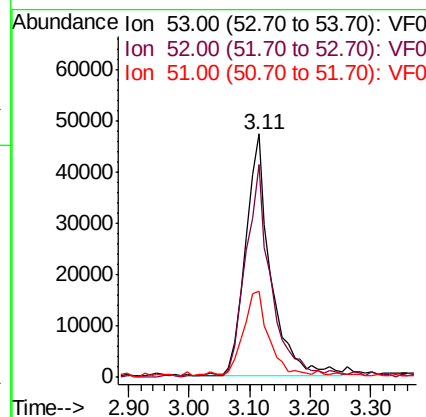
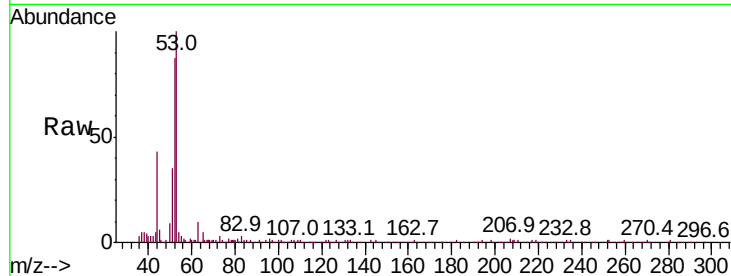
ClientSampleId :

VF0531SBS01

Tot Ion:	53	Resp:	134992
Ion	Ratio	Lower	Upper
53	100		
52	87.4	68.1	102.1
51	35.4	27.7	41.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#16

Acetone

Concen: 95.670 ug/l

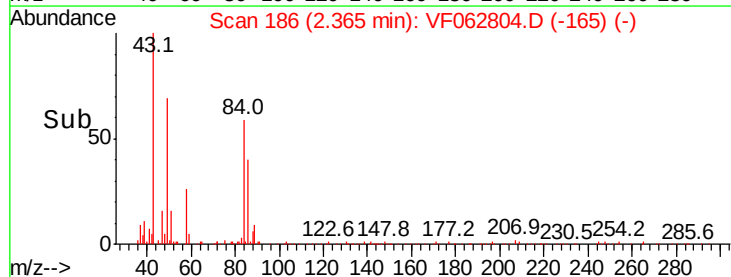
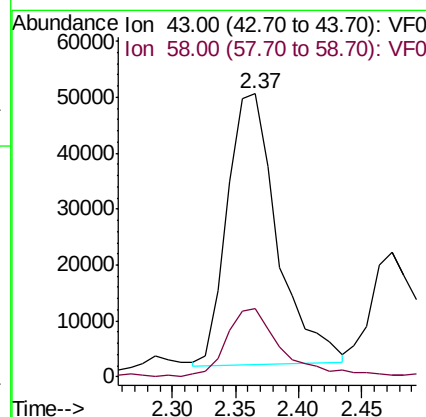
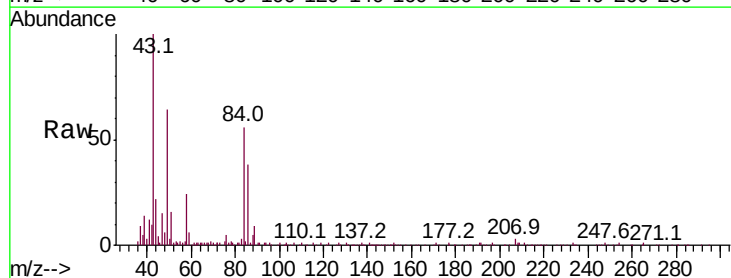
RT: 2.37 min Scan# 186

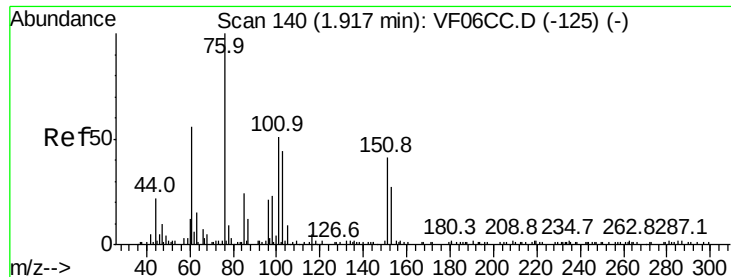
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	43	Resp:	132810
Ion	Ratio	Lower	Upper
43	100		
58	24.2	19.0	28.4





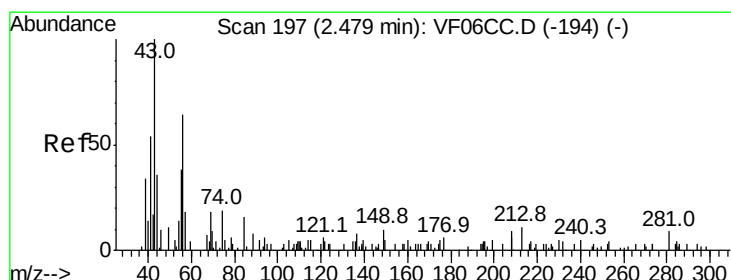
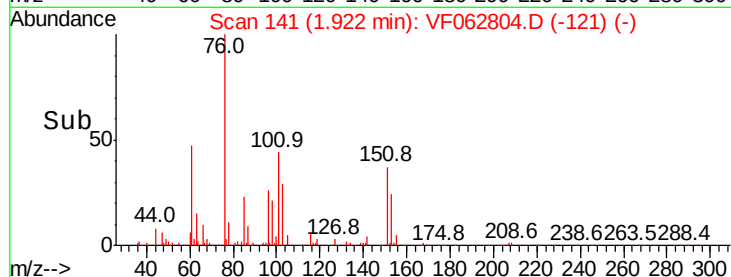
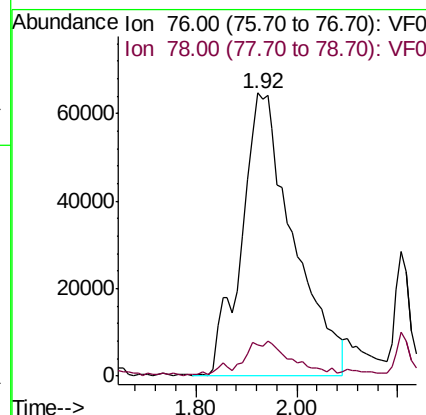
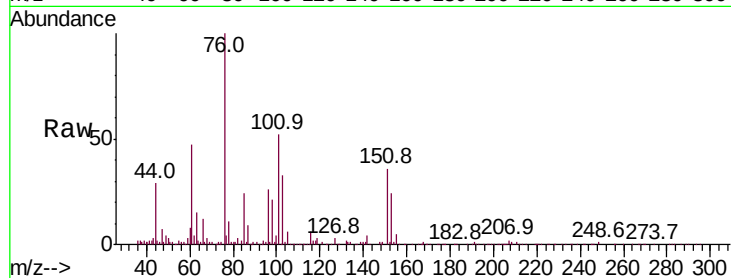
#17
Carbon Disulfide
Concen: 21.633 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampled :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	9.4	14.2

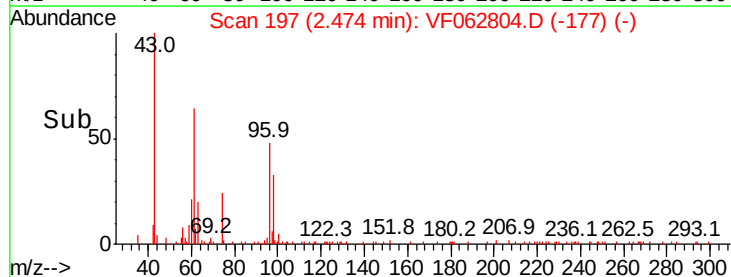
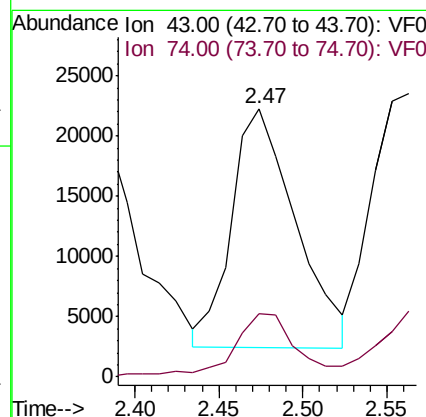
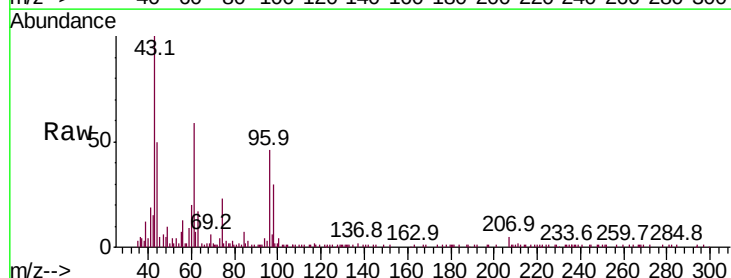
Manual Integrations
APPROVED

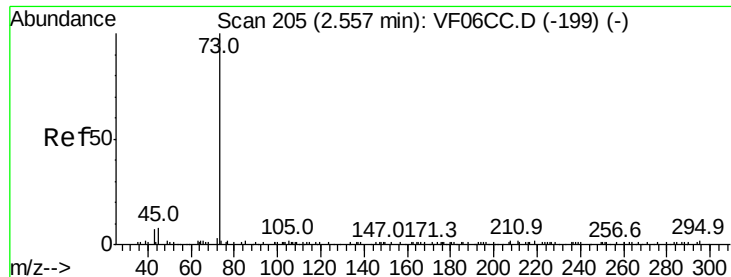
MMDadoda
6/4/2019 8:45:23 AM



#18
Methyl Acetate
Concen: 21.570 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	22.1	33.1





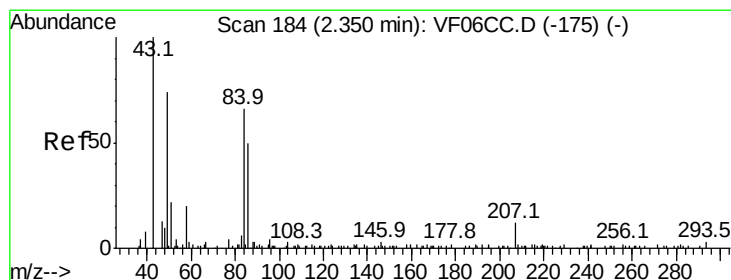
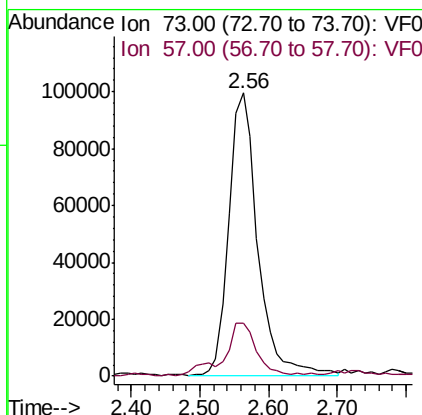
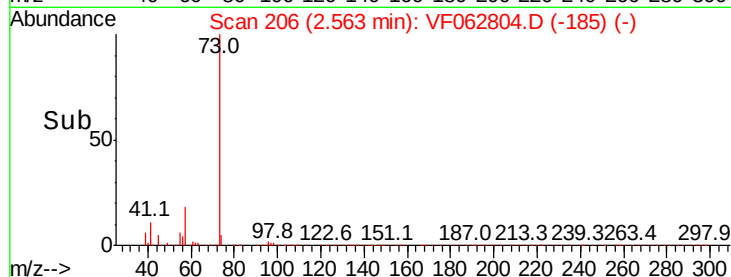
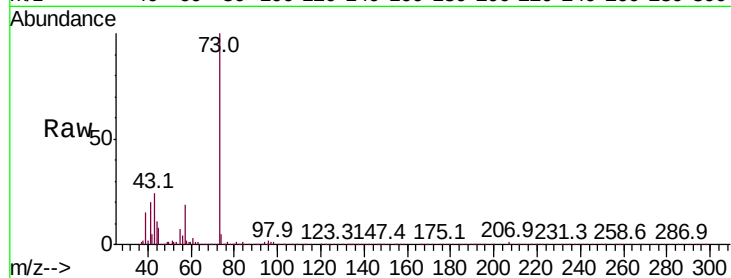
#19
Methyl tert-butyl Ether
Concen: 21.863 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	15.1	22.7

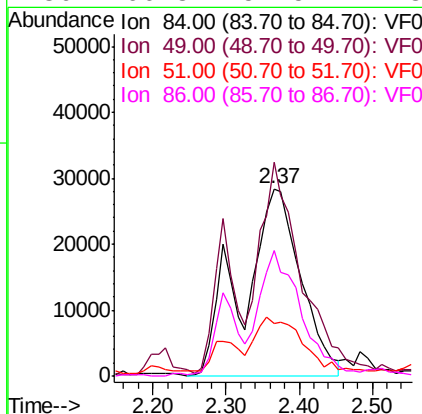
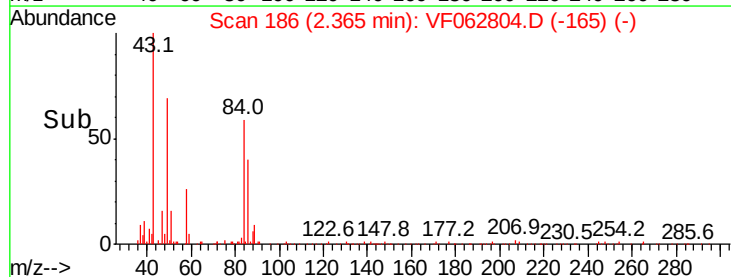
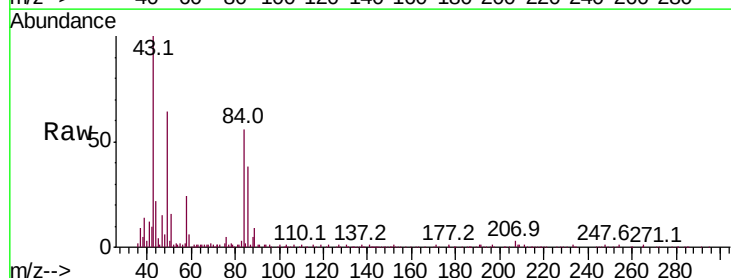
Manual Integrations
APPROVED

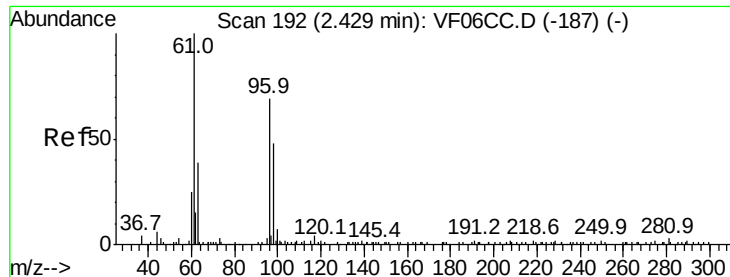
MMDadoda
6/4/2019 8:45:23 AM



#20
Methylene Chloride
Concen: 20.707 ug/l m
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.1	82.6	123.8
51	27.7	25.0	37.4
86	66.8	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 22.351 ug/l m

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 96 Resp: 163346

Ion Ratio Lower Upper

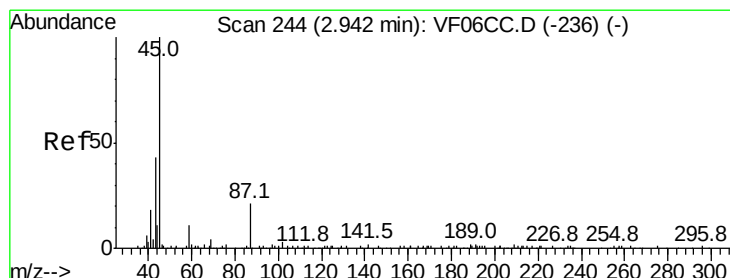
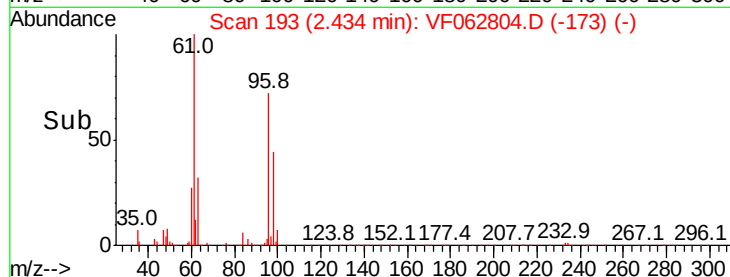
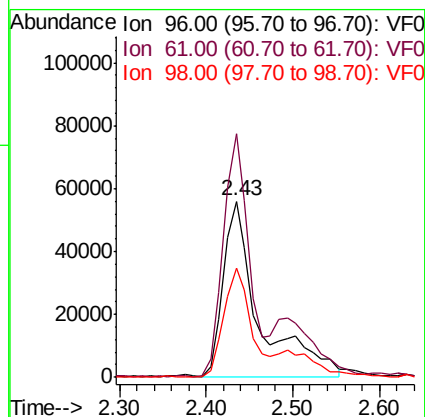
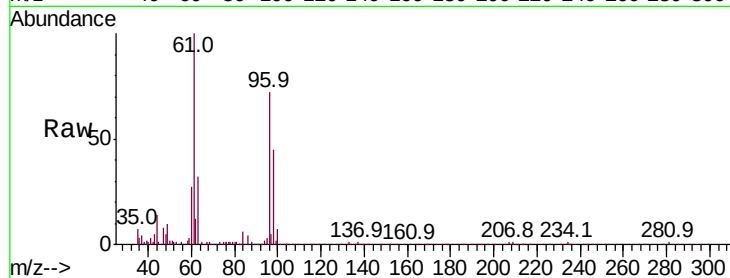
96 100

61 138.1 105.0 157.6

98 61.6 51.1 76.7

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#22

Diisopropyl ether

Concen: 21.236 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion: 45 Resp: 341171

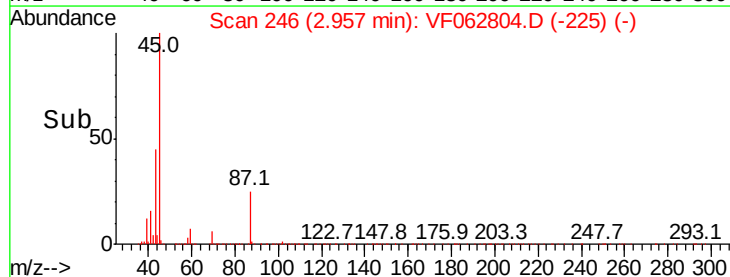
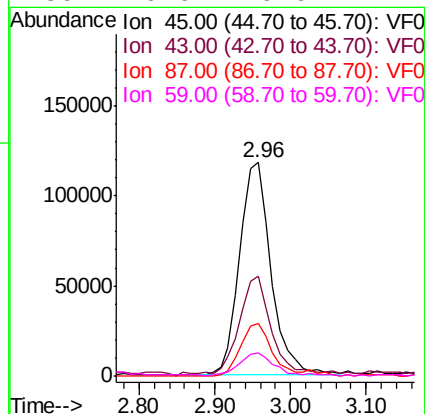
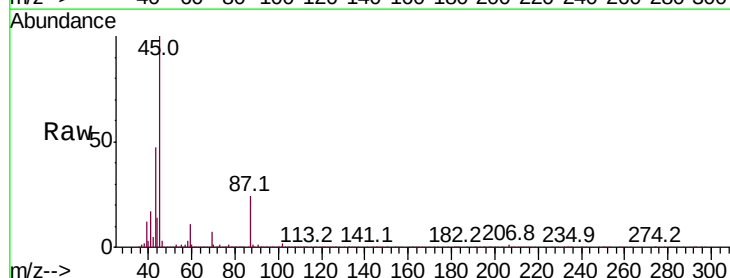
Ion Ratio Lower Upper

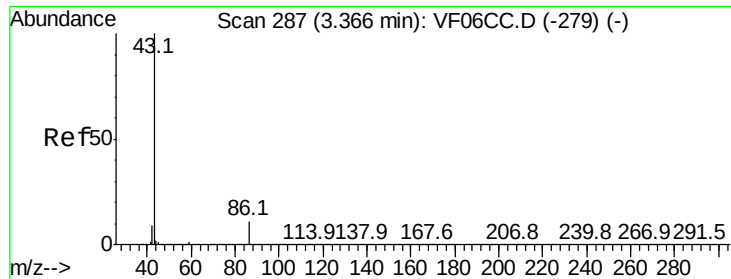
45 100

43 46.9 34.3 51.5

87 24.5 19.0 28.4

59 10.6 9.6 14.4





#23

Vinyl Acetate

Concen: 113.477 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tot Ion: 43 Resp: 1248077

Ion Ratio Lower Upper

43 100

86 9.2 8.2 12.2

Instrument :

MSVOA_F

ClientSampleId :

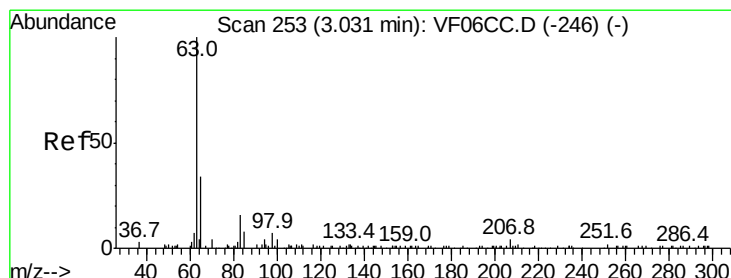
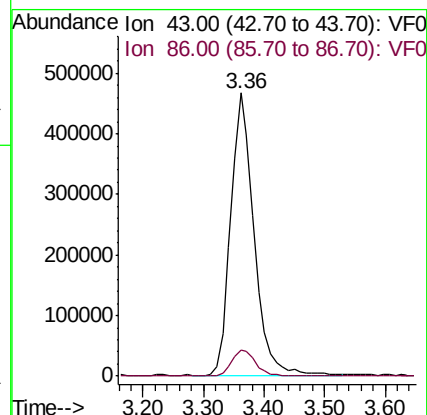
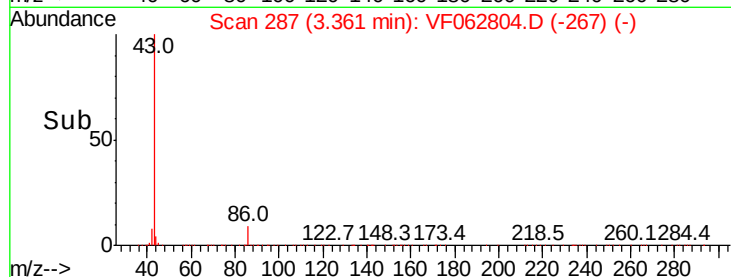
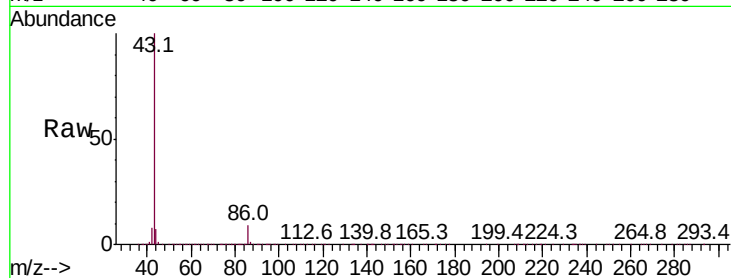
VF0531SBS01

Manual Integrations

APPROVED

MMDadoda

6/4/2019 8:45:23 AM



#24

1,1-Dichloroethane

Concen: 20.213 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

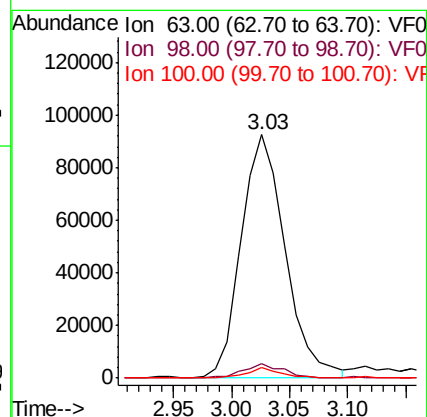
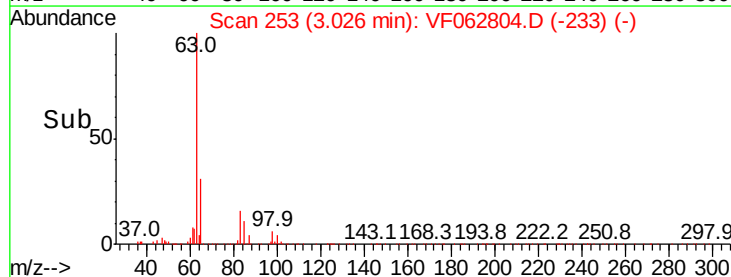
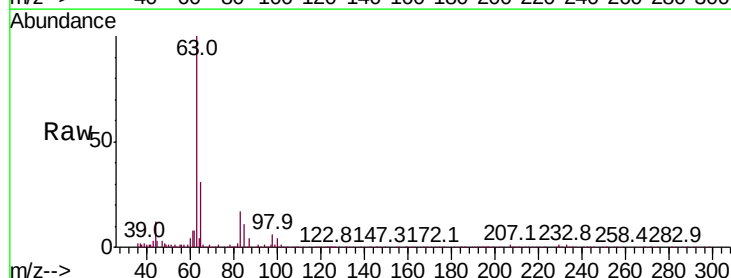
Tgt Ion: 63 Resp: 242456

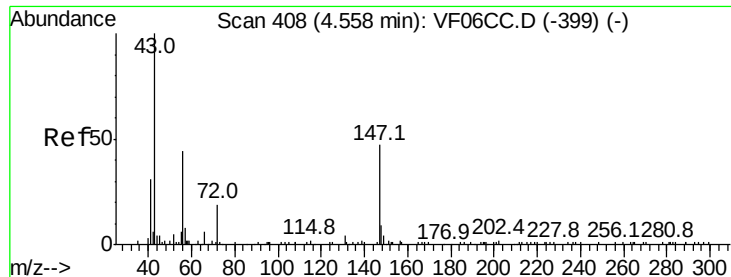
Ion Ratio Lower Upper

63 100

98 5.8 2.4 7.1

100 4.5 1.5 4.5#





#25

2-Butanone

Concen: 113.013 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 43 Resp: 365351

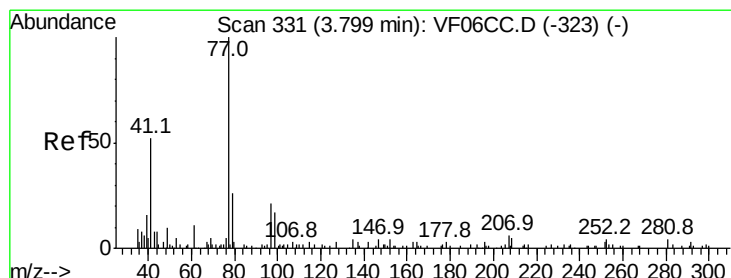
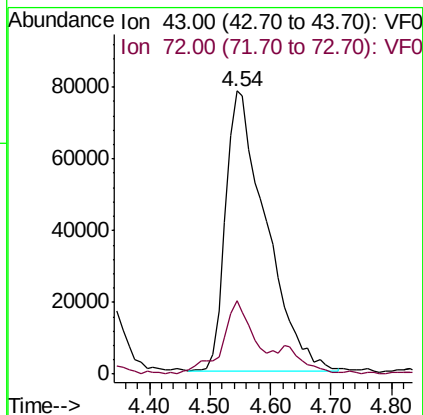
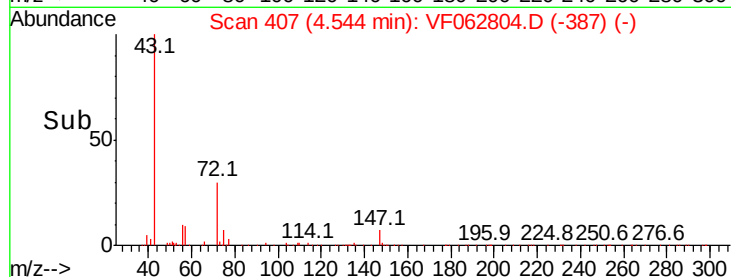
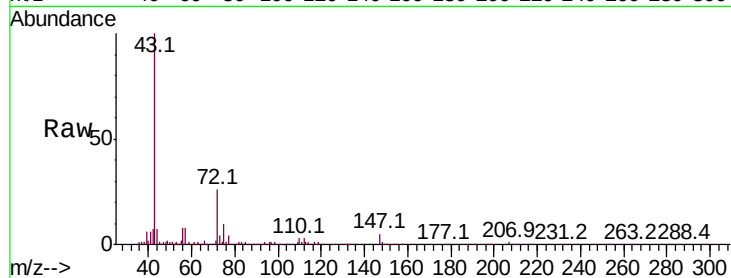
Ion Ratio Lower Upper

43 100

72 25.8 21.4 32.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#26

2,2-Dichloropropane

Concen: 20.717 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062804.D

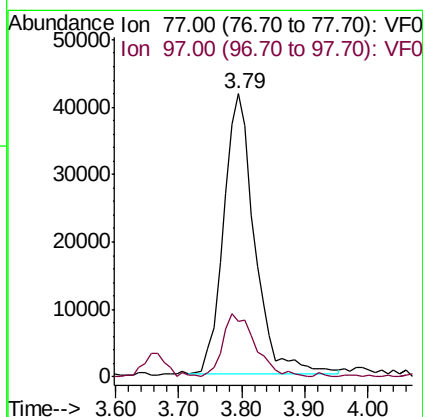
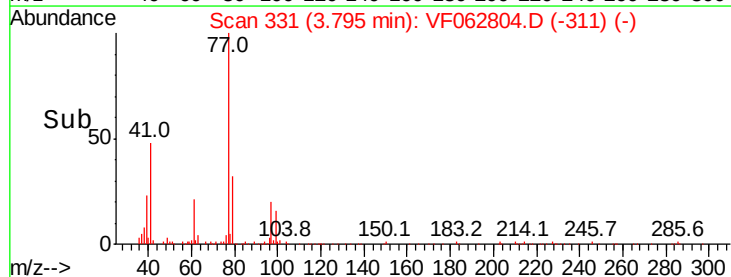
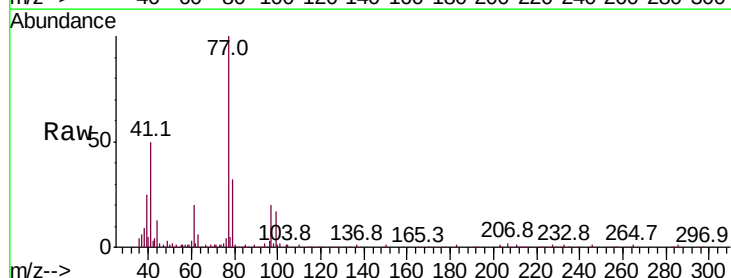
Acq: 31 May 2019 13:01

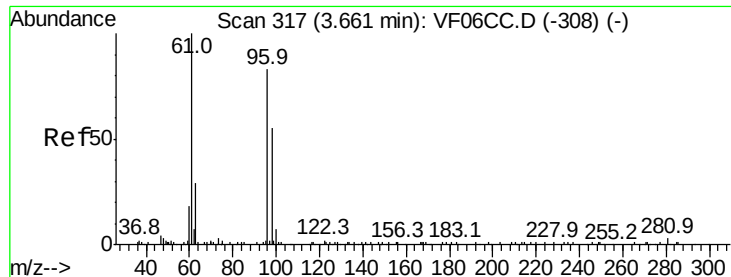
Tgt Ion: 77 Resp: 141097

Ion Ratio Lower Upper

77 100

97 19.8 12.4 37.4





#27

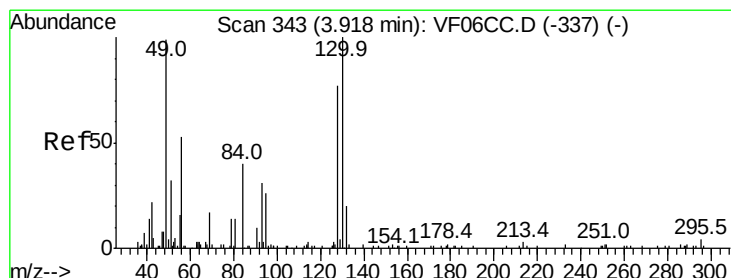
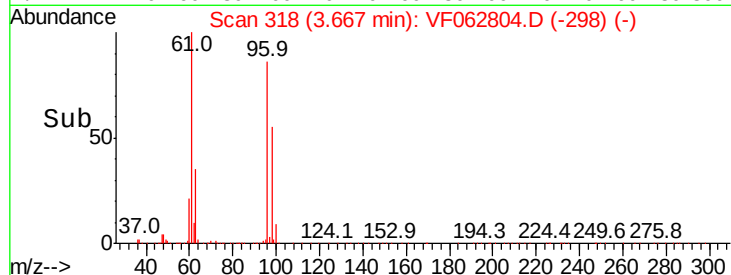
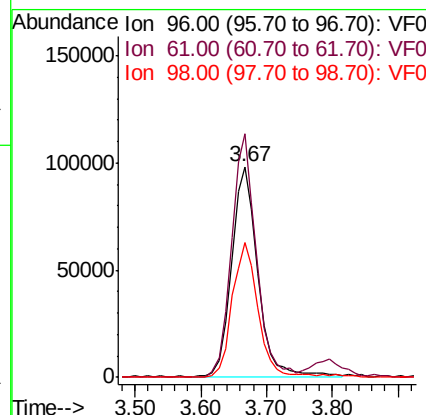
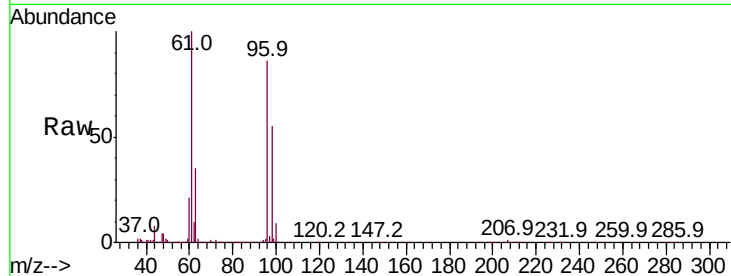
cis-1,2-Dichloroethene
Concen: 22.026 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	270575		
61	115.7		0.0	213.8
98	64.1		0.0	127.0

Manual Integrations
APPROVED

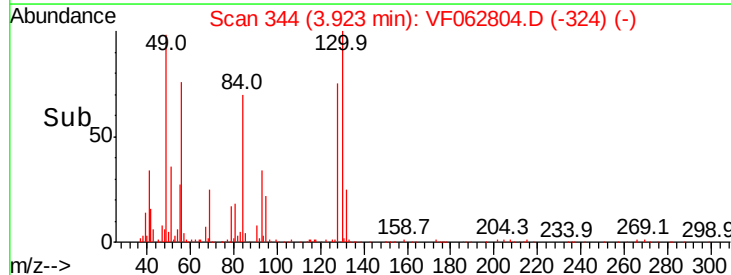
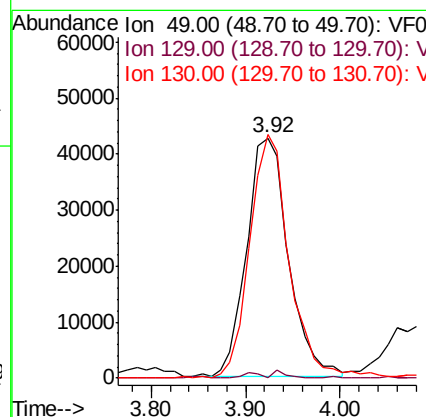
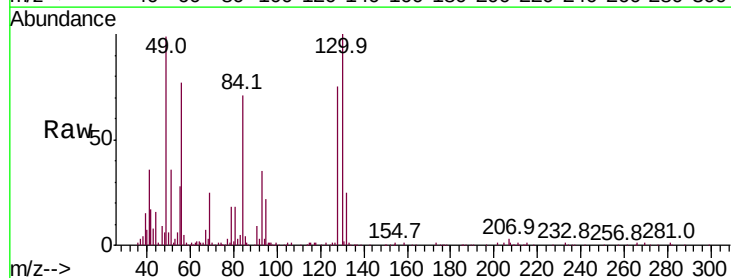
MMDadoda
6/4/2019 8:45:23 AM

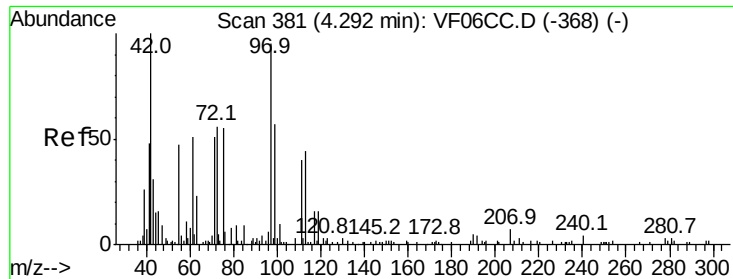


#28

Bromochloromethane
Concen: 20.027 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130669		
129	0.0		0.0	5.4
130	101.5		79.2	118.8





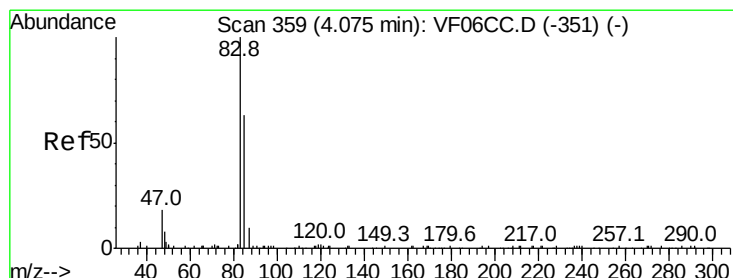
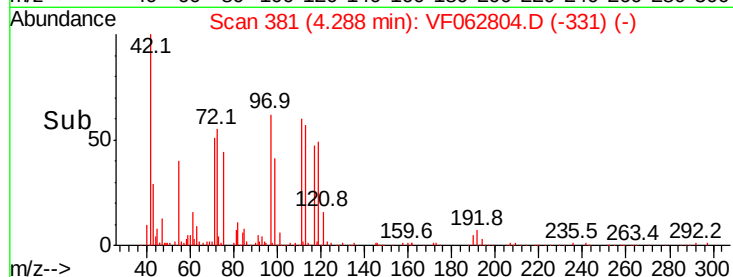
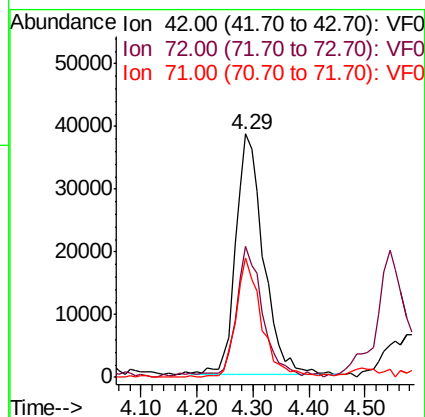
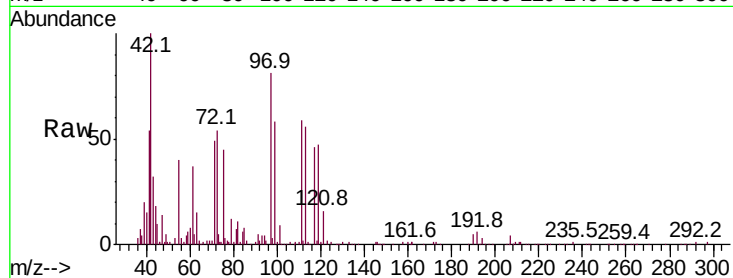
#29
Tetrahydrofuran
Concen: 106.662 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	39.0	58.6
71	46.4	36.9	55.3

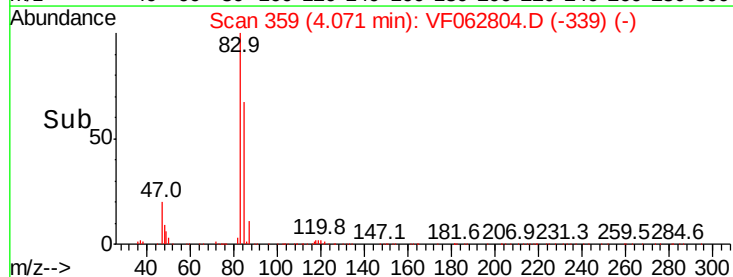
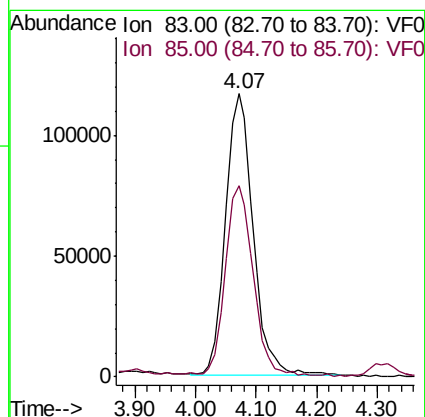
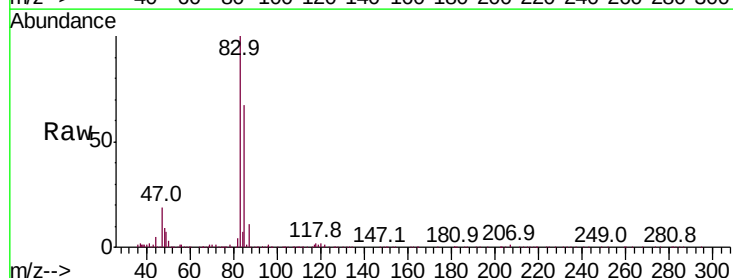
Manual Integrations
APPROVED

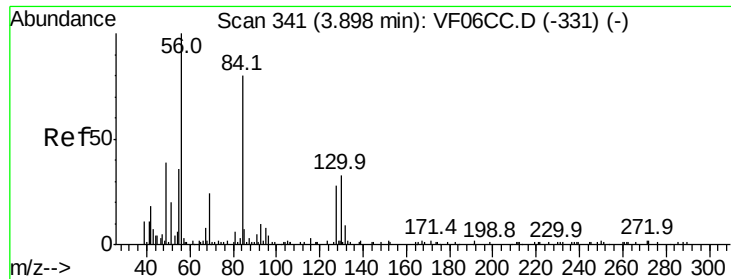
MMDadoda
6/4/2019 8:45:23 AM



#30
Chloroform
Concen: 21.826 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	55.0	82.6





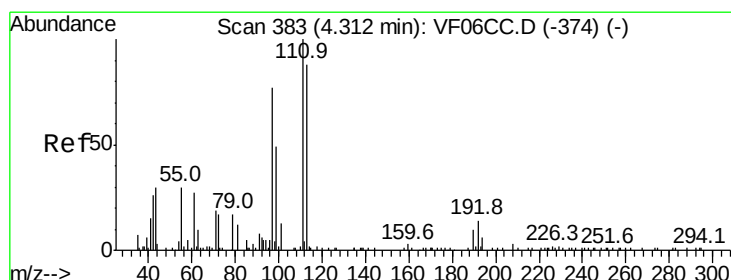
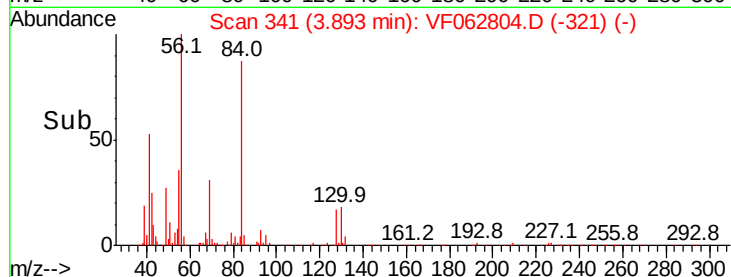
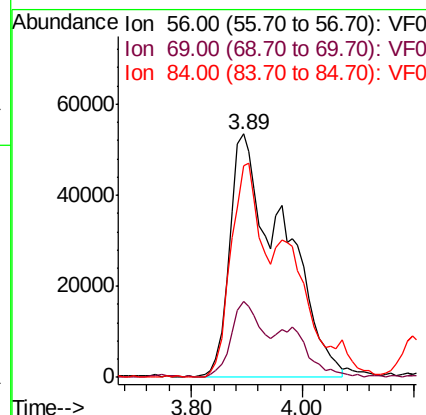
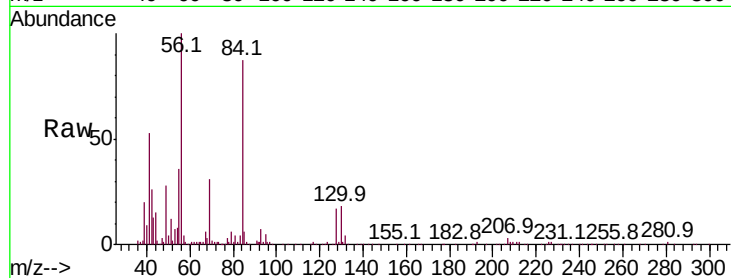
#31
Cyclohexane
Concen: 22.006 ug/l m
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.7	40.1
84	86.8	74.3	111.5

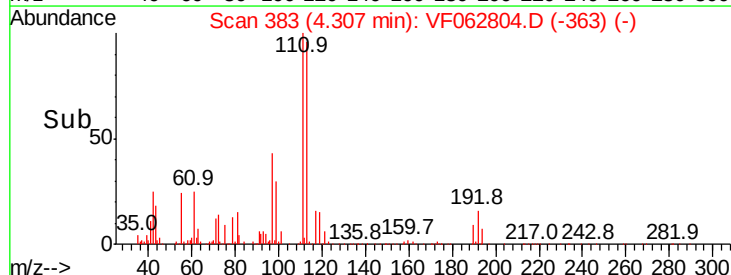
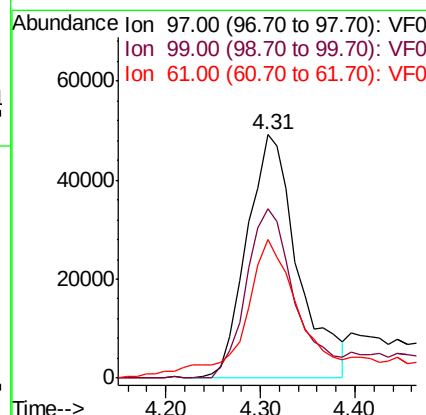
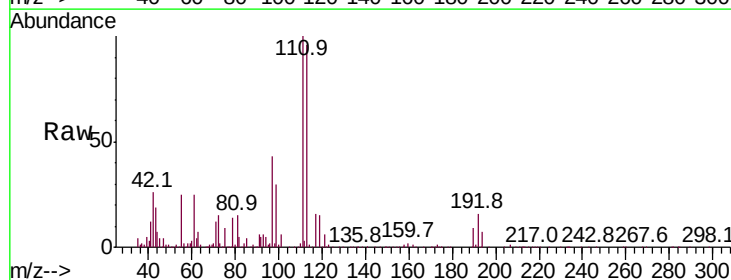
Manual Integrations
APPROVED

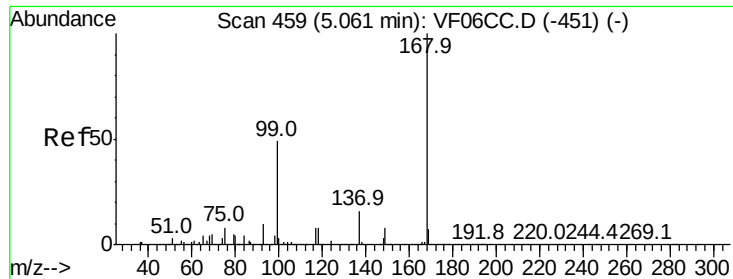
MMDadoda
6/4/2019 8:45:23 AM



#32
1,1,1-Trichloroethane
Concen: 18.764 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.8	51.7	77.5
61	57.1	38.9	58.3





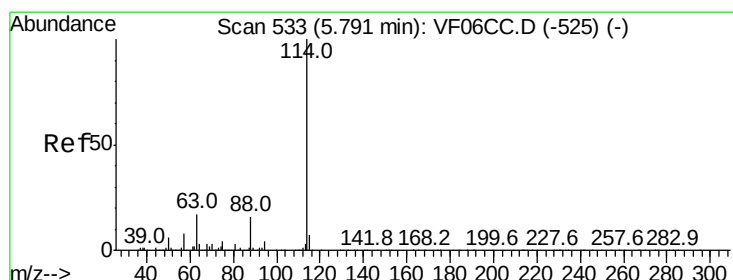
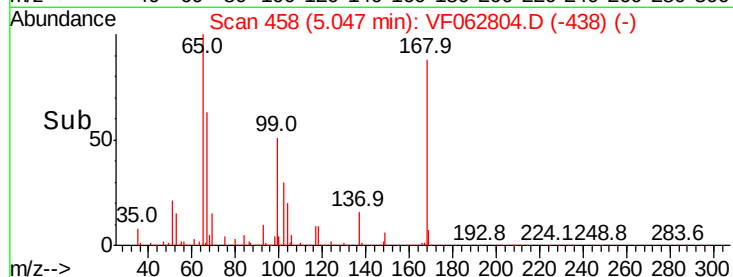
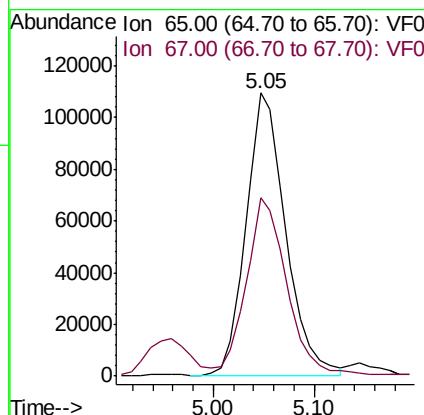
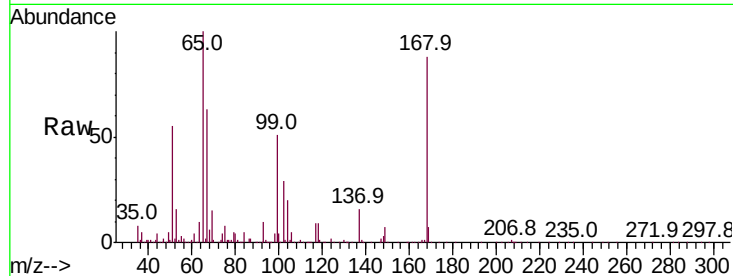
#33
 1,2-Dichloroethane-d4
 Concen: 49.116 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	297900		
67	63.1	0.0	121.2	

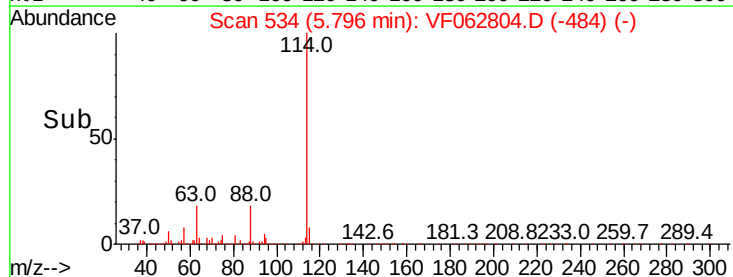
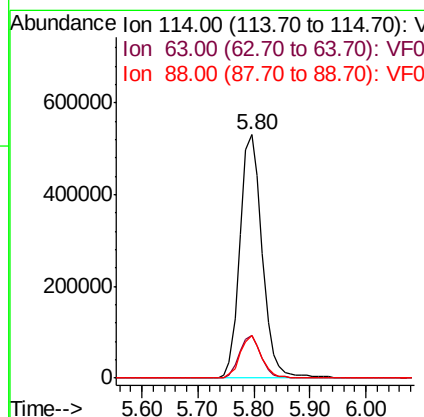
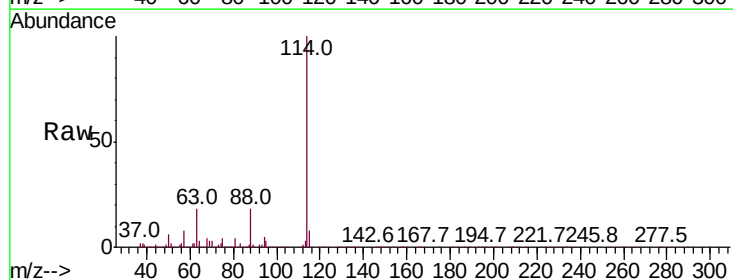
Manual Integrations
 APPROVED

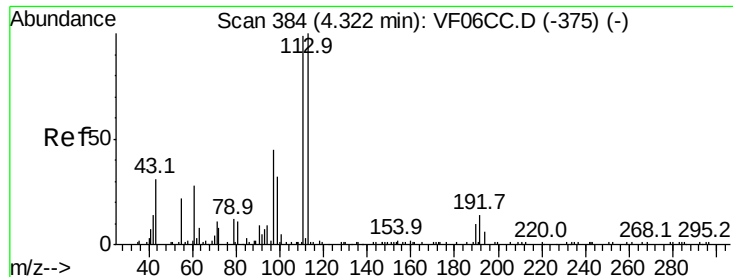
MMDadoda
 6/4/2019 8:45:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1465451		
63	17.8	0.0	34.2	
88	17.7	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.379 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

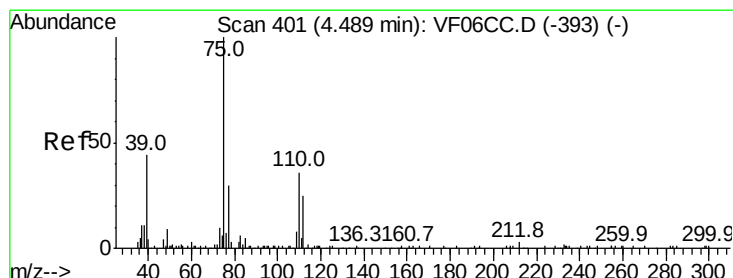
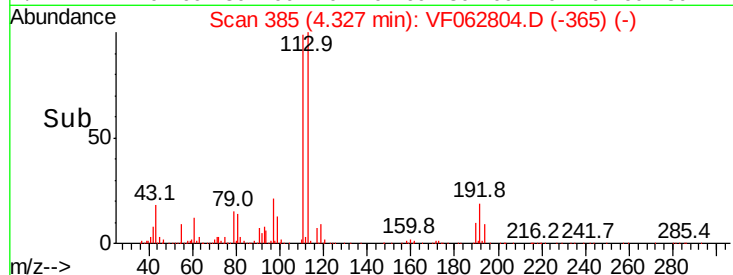
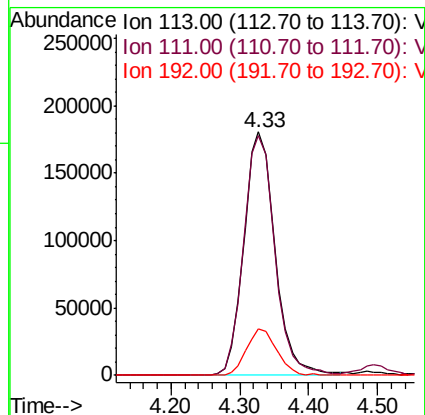
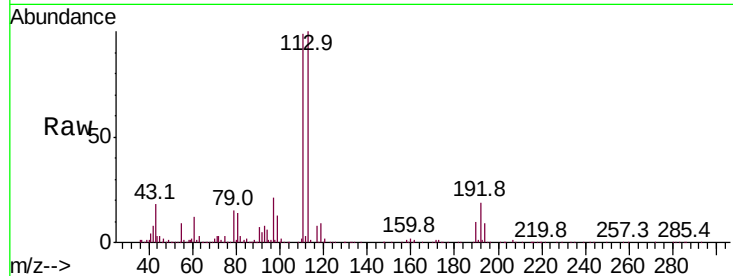
ClientSampleId :

VF0531SBS01

Tot Ion:	113	Resp:	568960
Ion Ratio	Lower	Upper	
113	100		
111	98.7	81.9	122.9
192	19.0	15.1	22.7

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#36

1,1-Dichloropropene

Concen: 22.092 ug/l

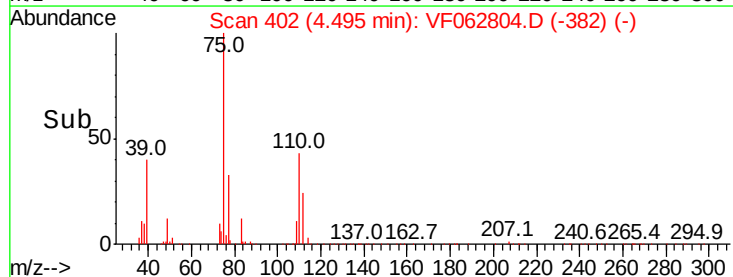
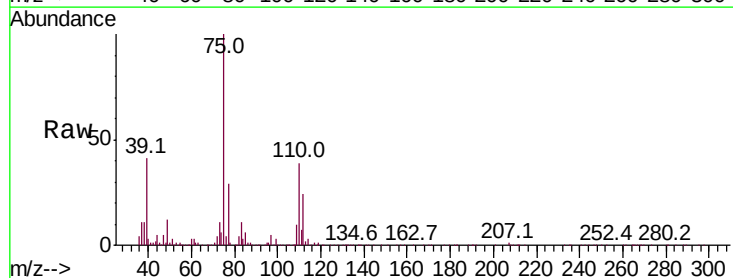
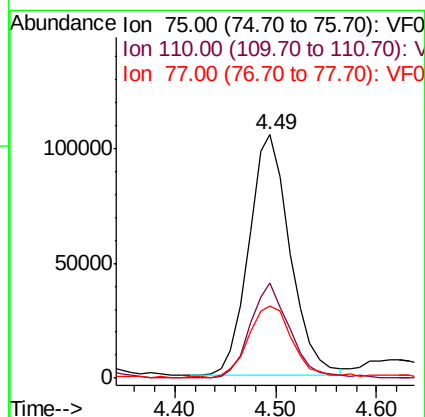
RT: 4.49 min Scan# 402

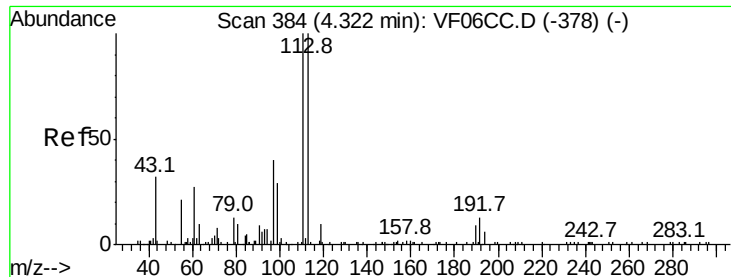
Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	75	Resp:	298037
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.4	58.1
77	29.5	25.4	38.2





#37

Ethyl Acetate

Concen: 22.090 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

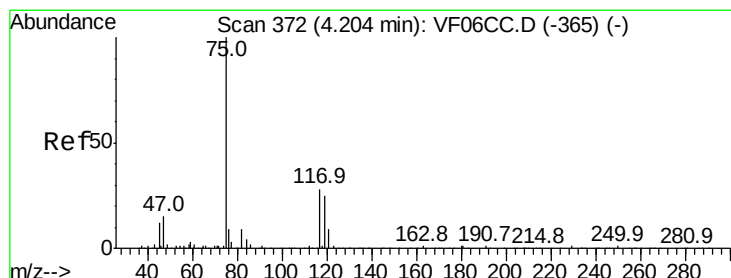
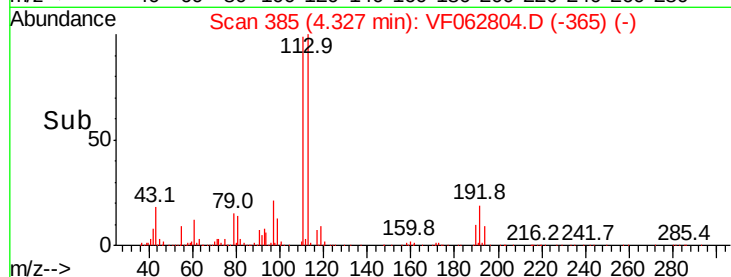
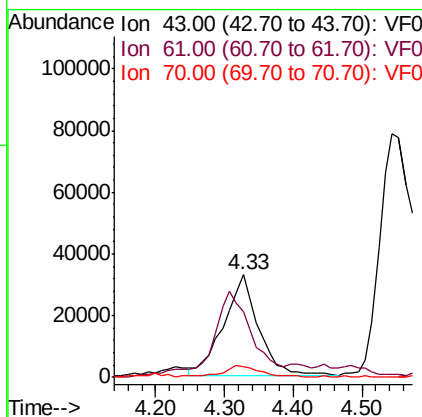
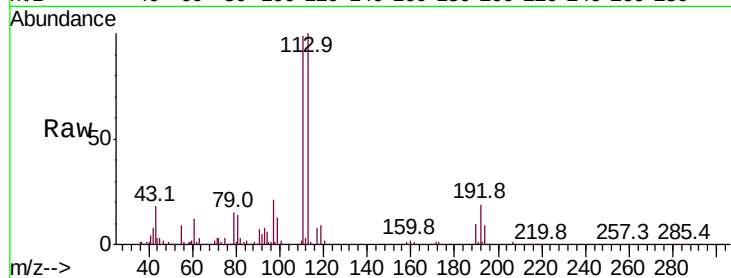
ClientSampleId :

VF0531SBS01

Tot Ion:	43	Resp:	113918
Ion	Ratio	Lower	Upper
43	100		
61	63.8	59.1	88.7
70	10.5	10.1	15.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#38

Carbon Tetrachloride

Concen: 19.498 ug/l

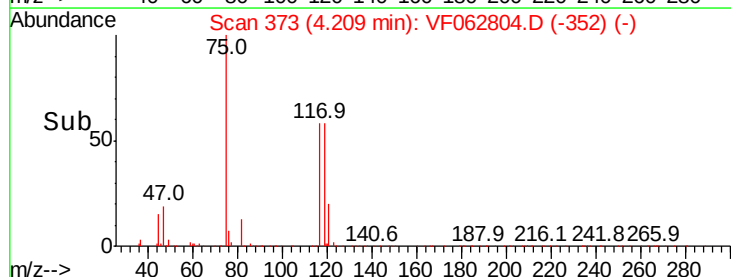
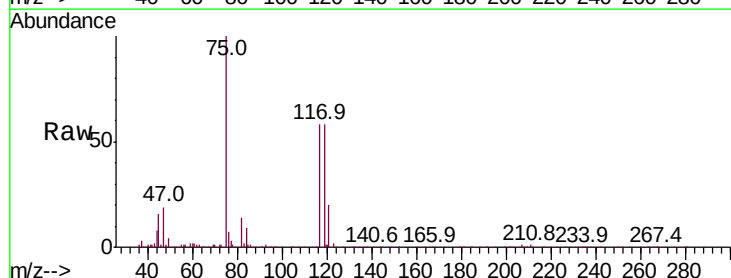
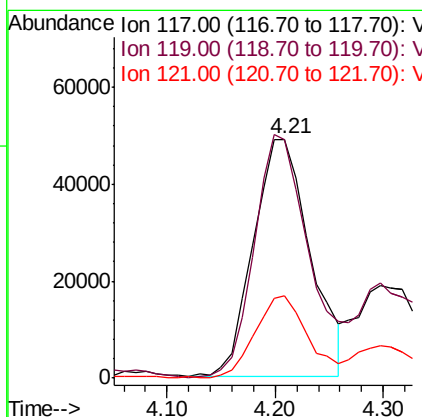
RT: 4.21 min Scan# 373

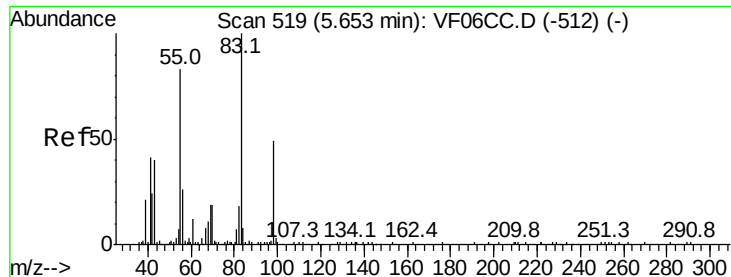
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	117	Resp:	177778
Ion	Ratio	Lower	Upper
117	100		
119	100.2	78.2	117.2
121	34.6	28.2	42.2





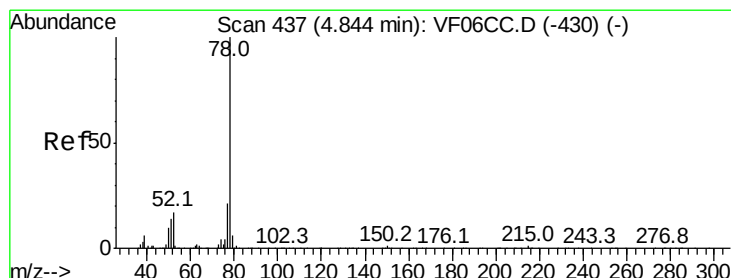
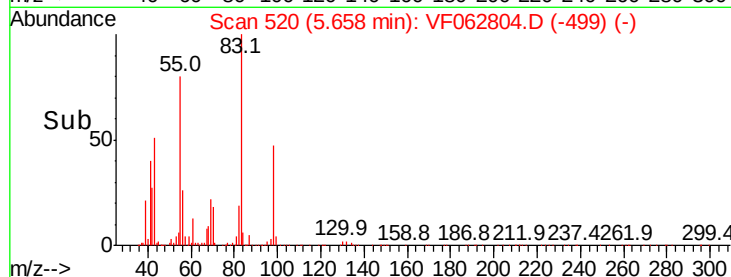
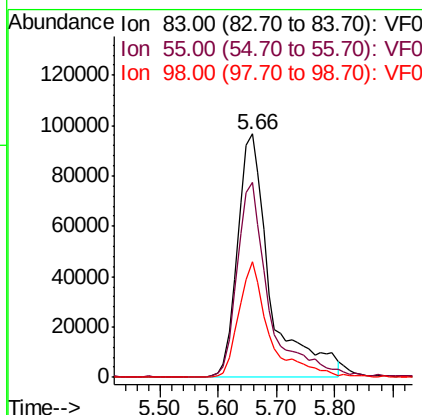
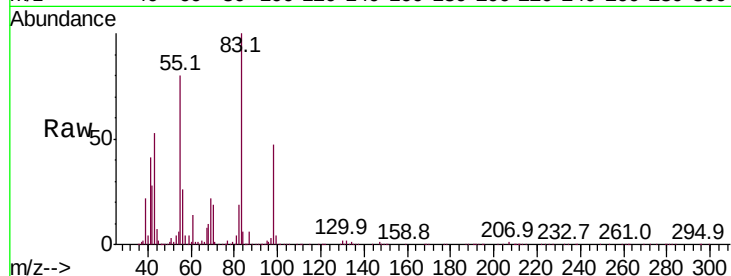
#39
Methylvlcyclohexane
Concen: 22.617 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	61.6	92.4
98	47.4	37.4	56.2

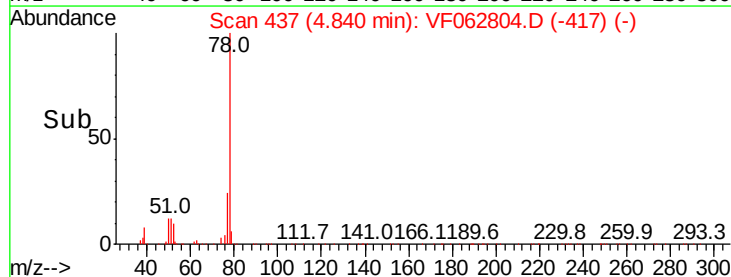
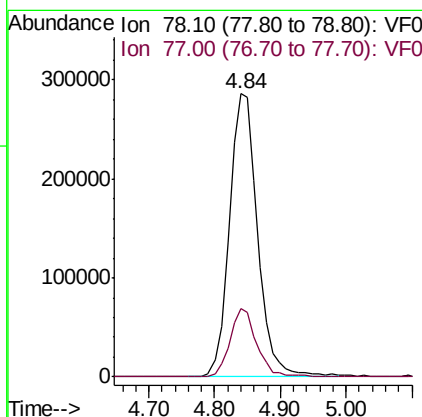
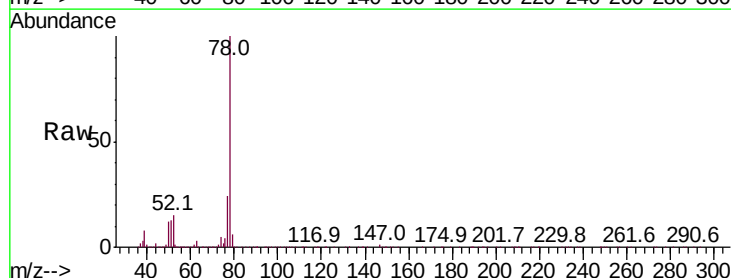
Manual Integrations
APPROVED

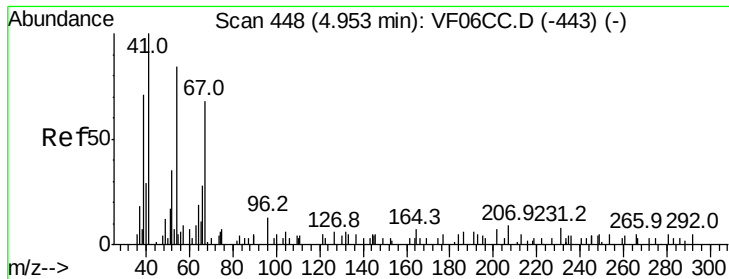
MMDadoda
6/4/2019 8:45:23 AM



#40
Benzene
Concen: 21.839 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





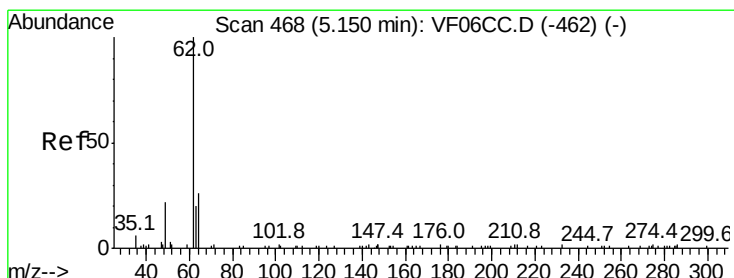
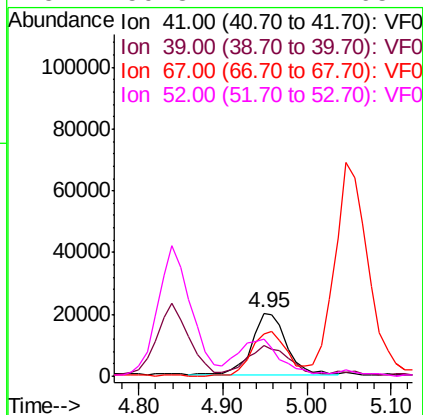
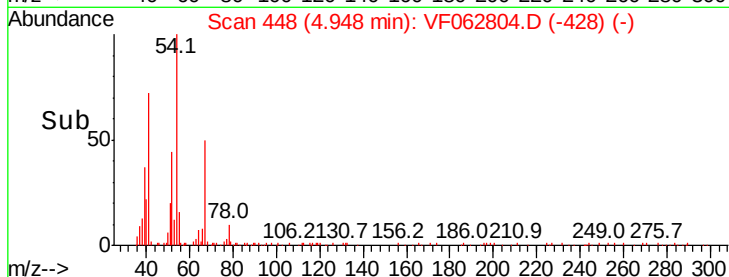
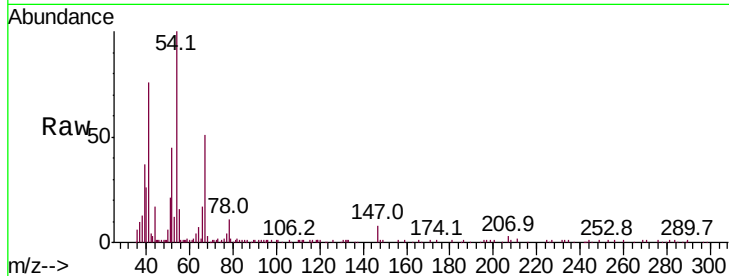
#41
Methacrylonitrile
Concen: 20.428 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.5	42.0	63.0
67	67.5	61.4	92.0
52	59.8	42.1	63.1

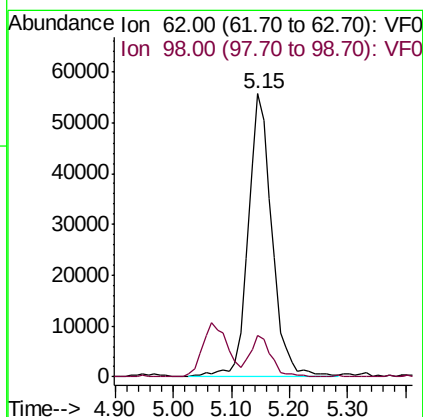
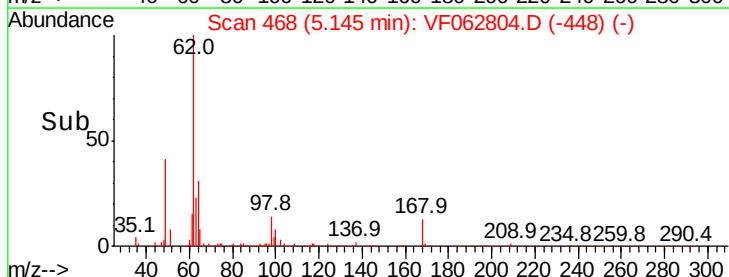
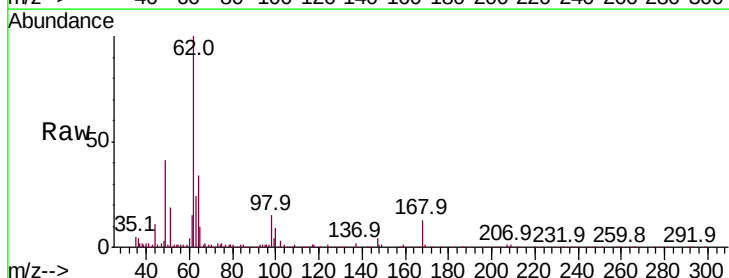
Manual Integrations
APPROVED

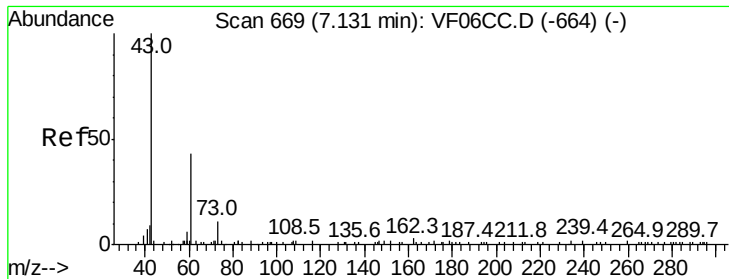
MMDadoda
6/4/2019 8:45:23 AM



#42
1,2-Dichloroethane
Concen: 21.392 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.8	0.0	24.0





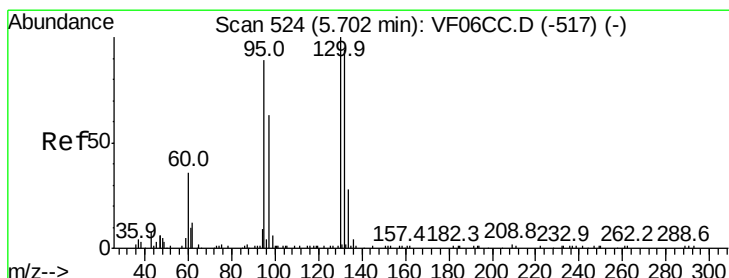
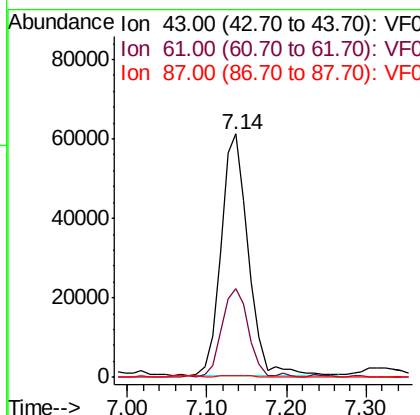
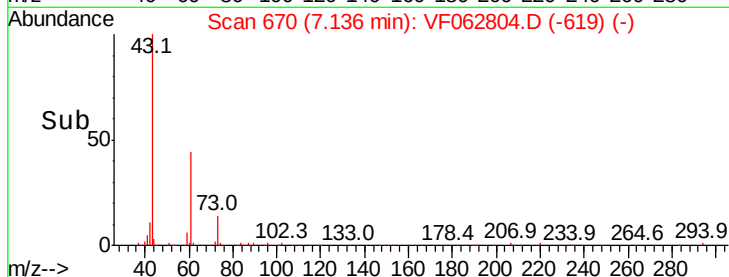
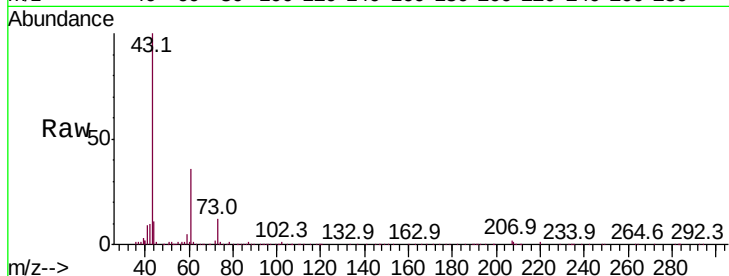
#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.4	29.8	44.6
87	0.6	0.3	0.5

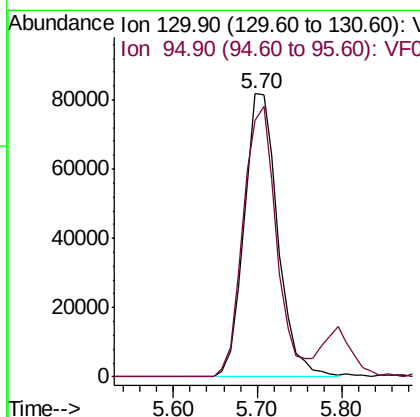
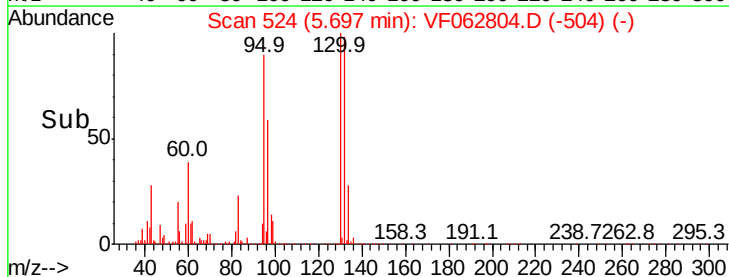
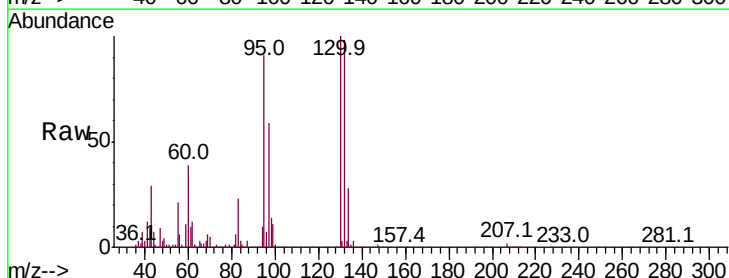
Manual Integrations
APPROVED

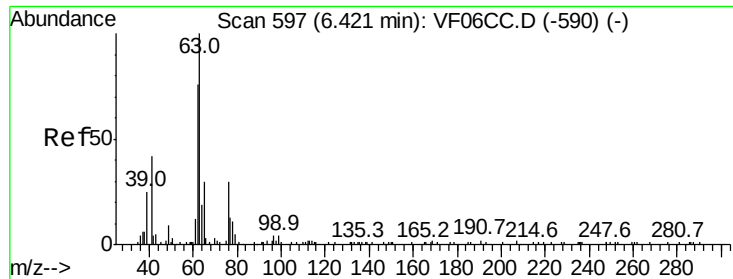
MMDadoda
6/4/2019 8:45:23 AM



#44
Trichloroethene
Concen: 20.719 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.497 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 63 Resp: 211810

Ion Ratio Lower Upper

63 100

65 34.6

24.2

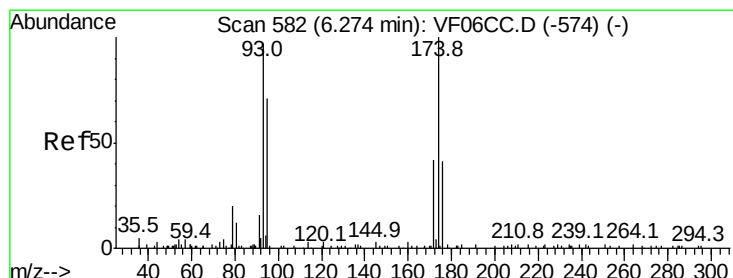
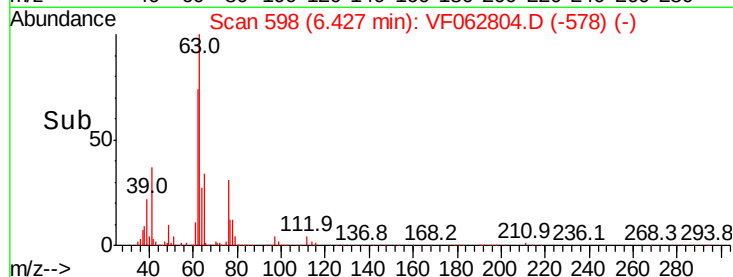
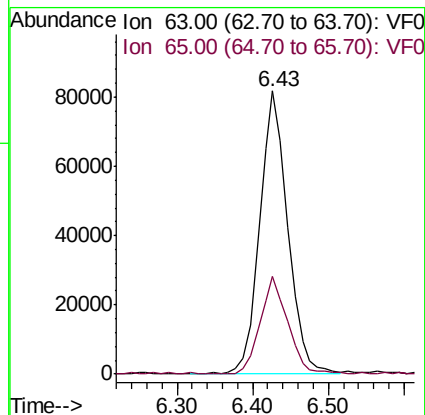
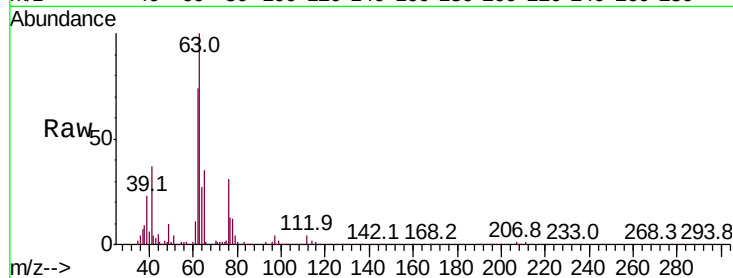
36.2

Manual Integrations

APPROVED

MMDadoda

6/4/2019 8:45:23 AM



#46

Dibromomethane

Concen: 21.483 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion: 93 Resp: 123581

Ion Ratio Lower Upper

93 100

95 84.1

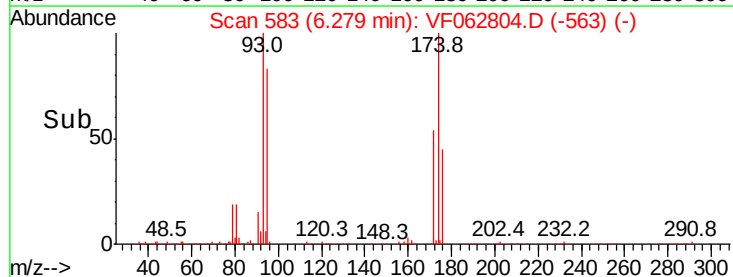
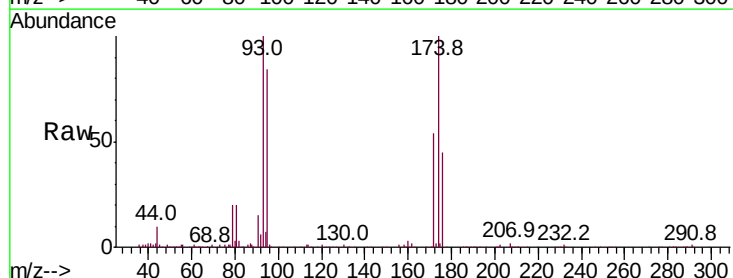
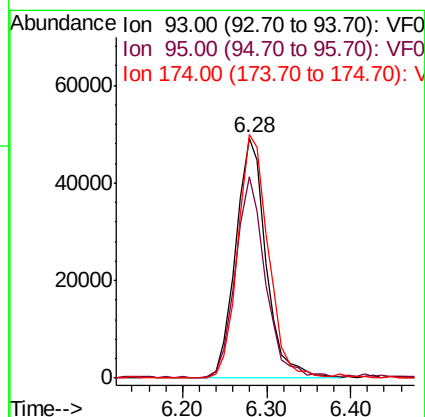
67.9

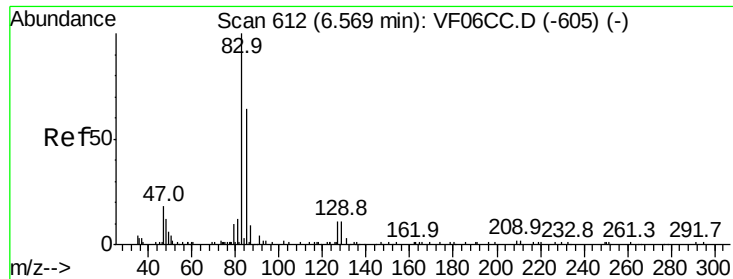
101.9

174 101.5

85.0

127.4





#47

Bromodichloromethane

Concen: 21.065 ug/l

RT: 6.57 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

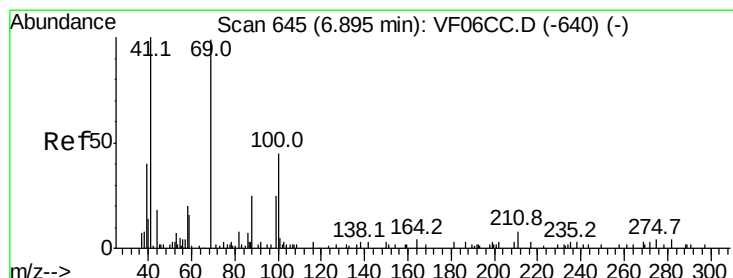
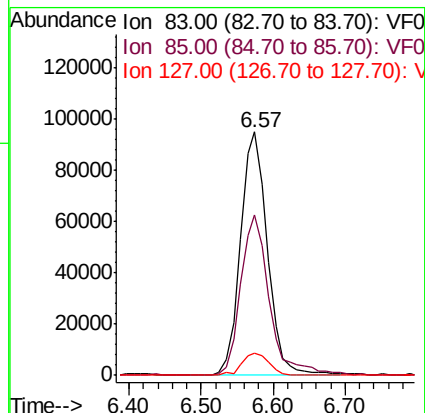
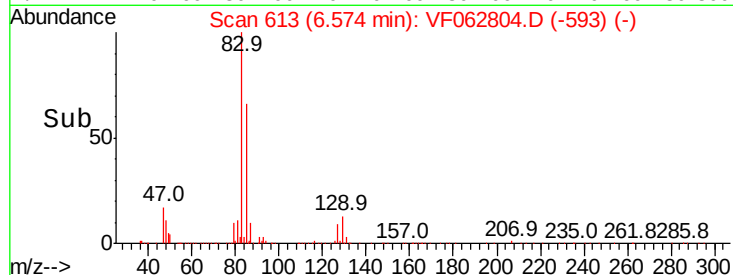
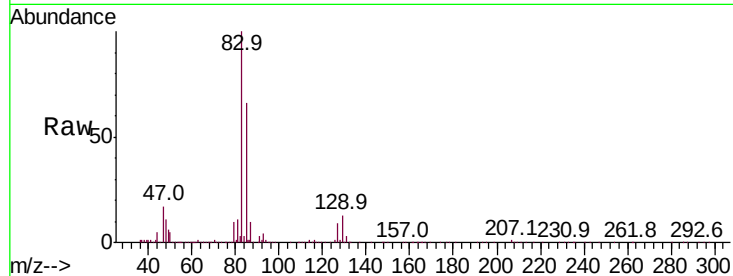
ClientSampleId :

VF0531SBSD01

Tot Ion:	83	Resp:	246785
Ion Ratio	Lower	Upper	
83	100		
85	66.5	54.2	81.4
127	8.9	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#48

Methyl methacrylate

Concen: 20.730 ug/l

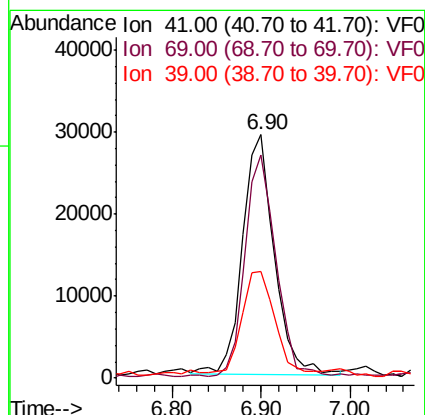
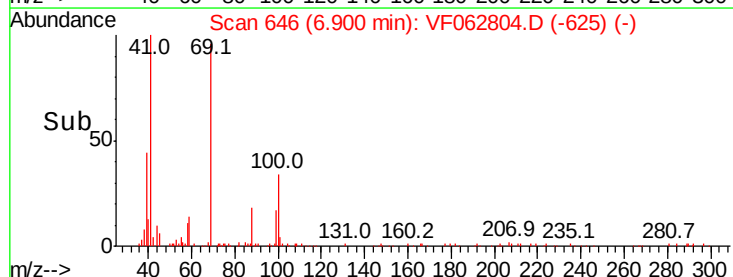
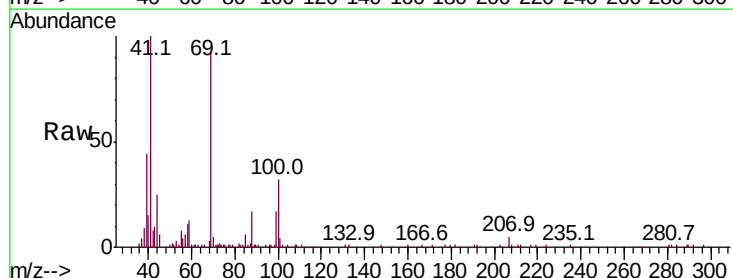
RT: 6.90 min Scan# 646

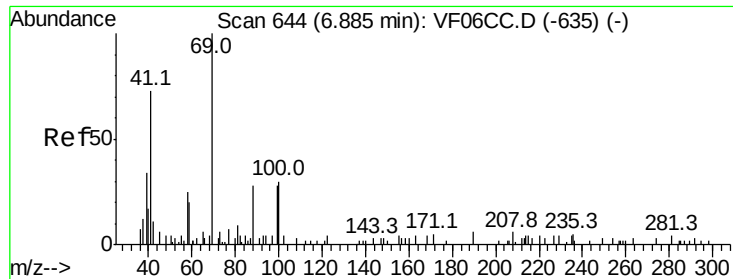
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	41	Resp:	72781
Ion Ratio	Lower	Upper	
41	100		
69	91.7	79.4	119.2
39	43.7	39.8	59.6





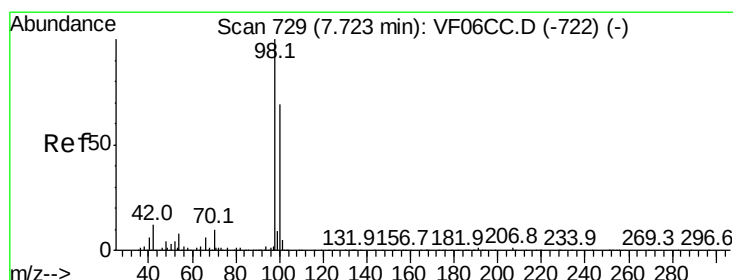
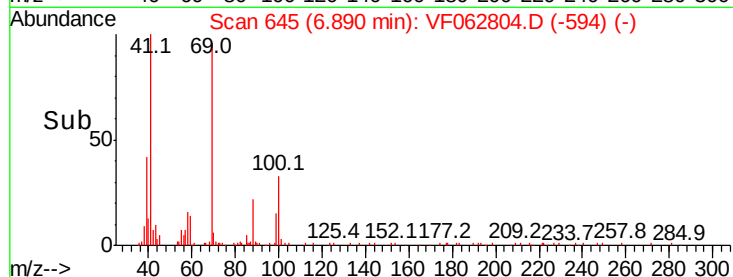
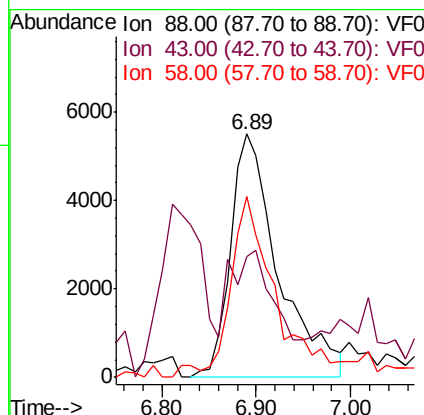
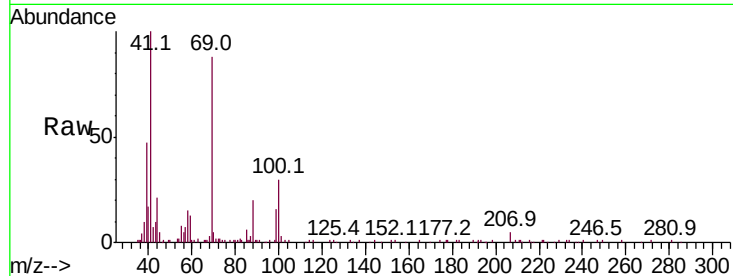
#49
1,4-Dioxane
Concen: 418.729 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.4	34.8	52.2
58	74.4	59.9	89.9

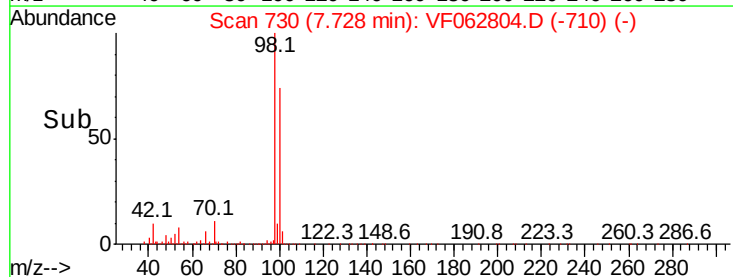
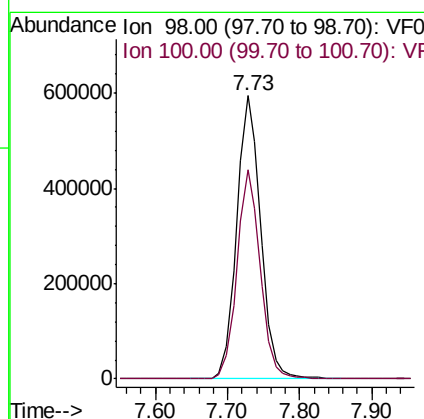
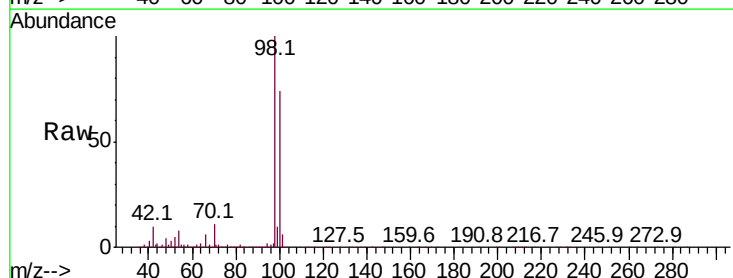
Manual Integrations
APPROVED

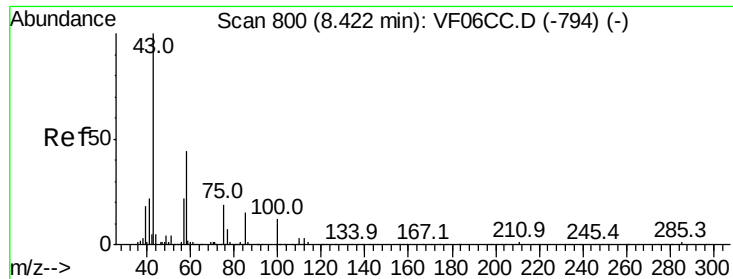
MMDadoda
6/4/2019 8:45:23 AM



#50
Toluene-d8
Concen: 49.513 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	74.0	59.8	89.8





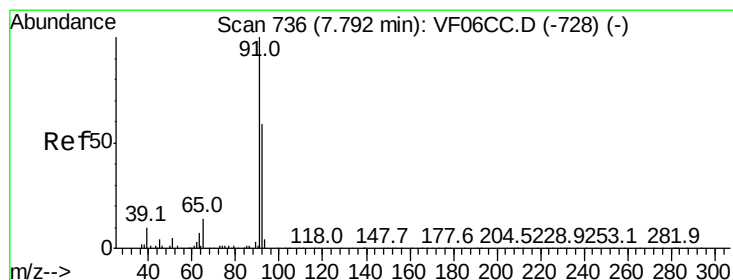
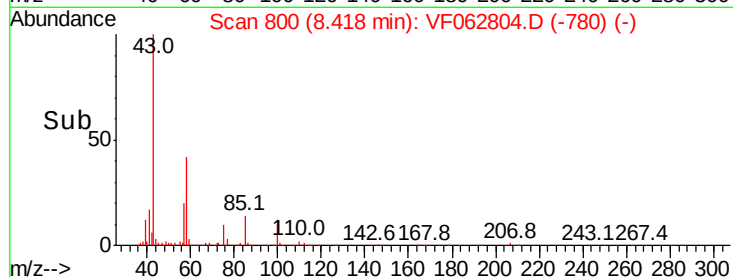
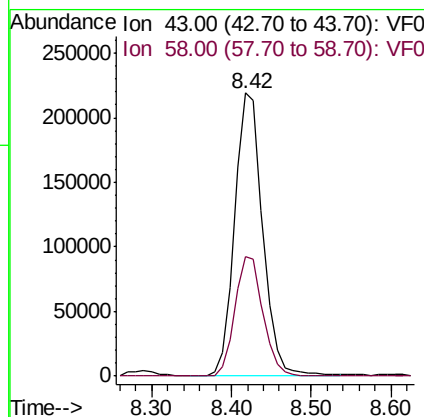
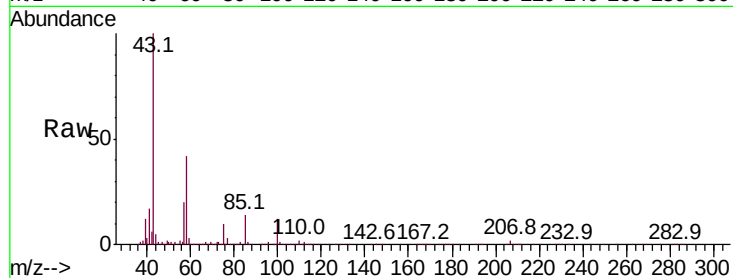
#51
4-Methyl-2-Pentanone
Concen: 109.762 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	35.5	53.3

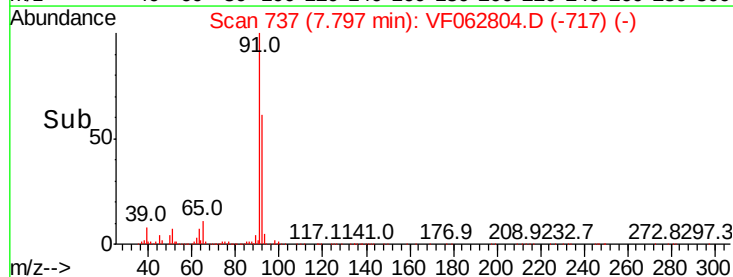
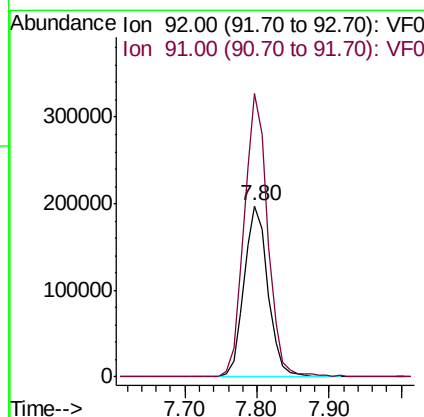
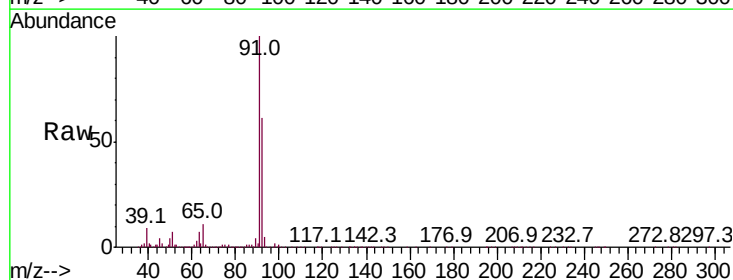
Manual Integrations
APPROVED

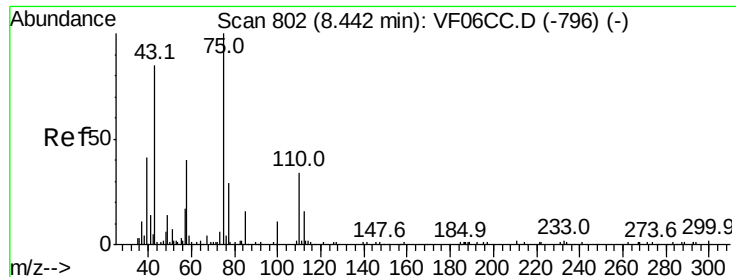
MMDadoda
6/4/2019 8:45:23 AM



#52
Toluene
Concen: 21.665 ug/l
RT: 7.80 min Scan# 737
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.2	123.2	184.8





#53

t-1,3-Dichloropropene

Concen: 21.624 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion: 75 Resp: 209931

Ion Ratio Lower Upper

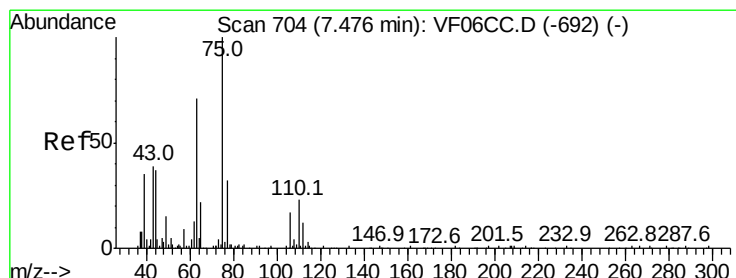
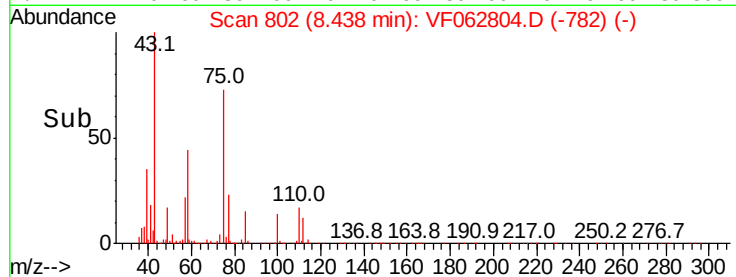
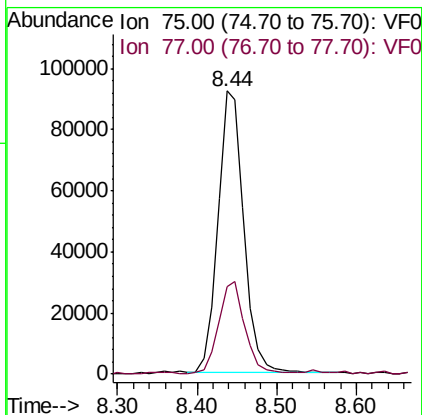
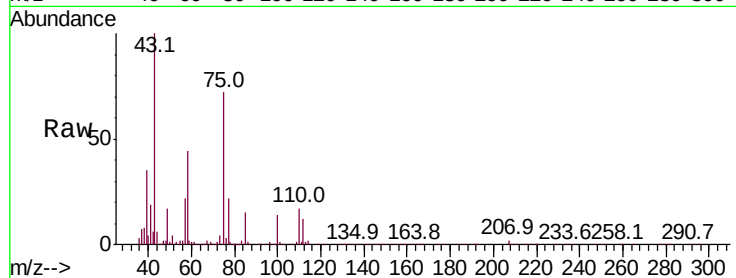
75 100

77 31.0 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

6/4/2019 8:45:23 AM



#54

cis-1,3-Dichloropropene

Concen: 21.601 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

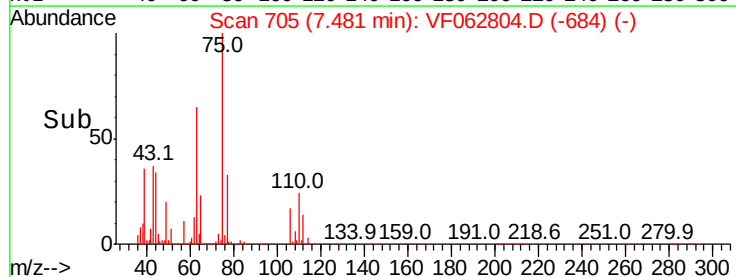
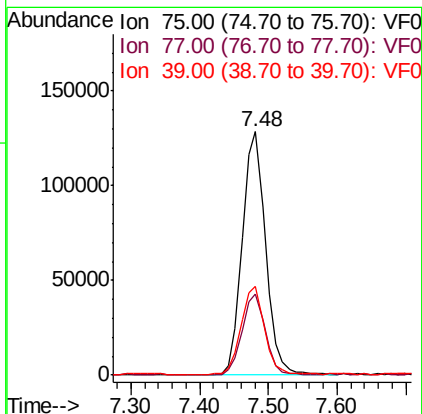
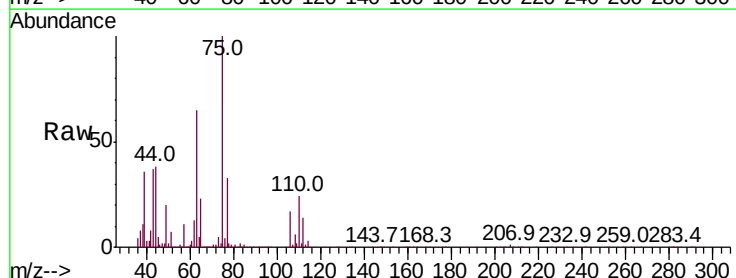
Tgt Ion: 75 Resp: 303543

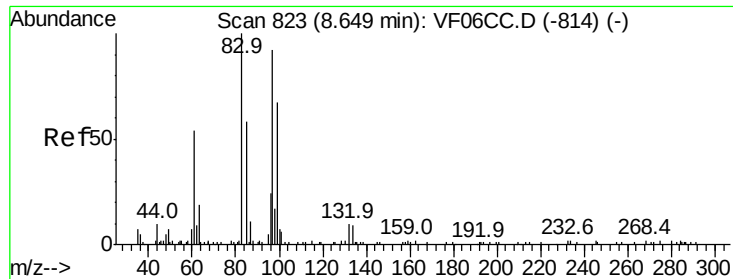
Ion Ratio Lower Upper

75 100

77 33.5 25.8 38.8

39 36.3 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 20.696 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

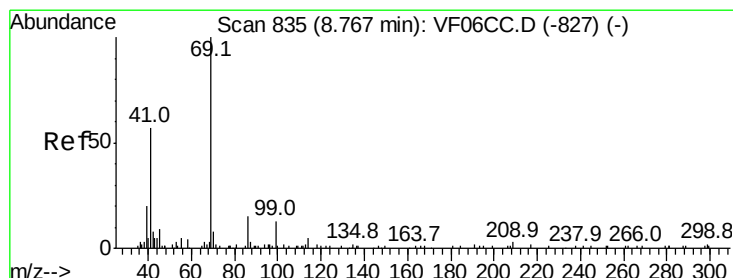
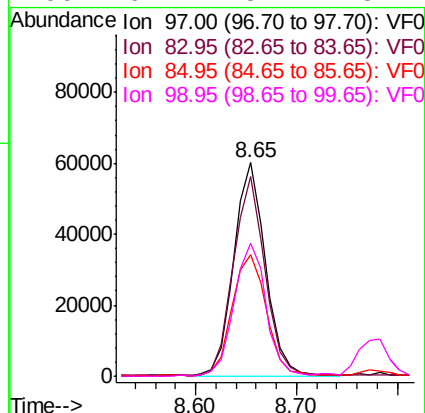
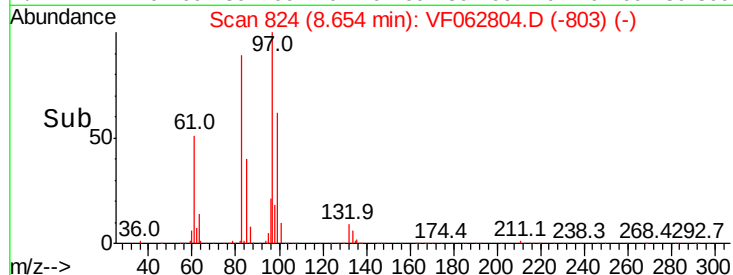
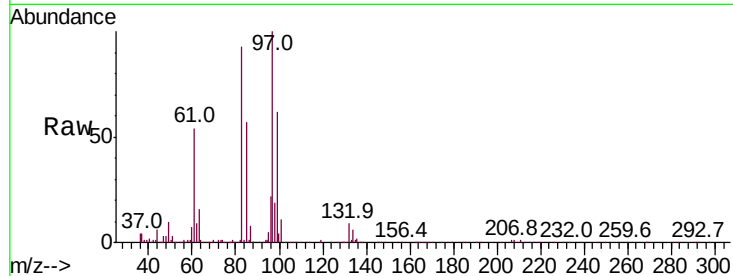
ClientSampleId :

VF0531SBS01

Tot Ion:	97	Resp:	130753
Ion	Ratio	Lower	Upper
97	100		
83	93.4	72.0	108.0
85	57.2	47.5	71.3
99	62.4	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#56

Ethyl methacrylate

Concen: 22.031 ug/l

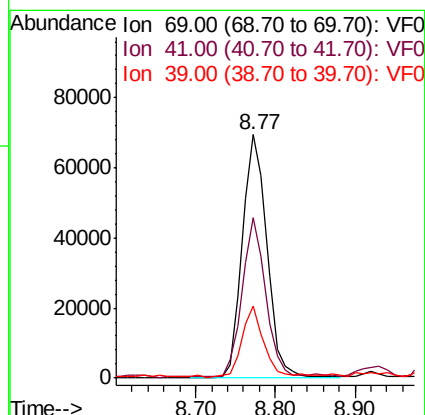
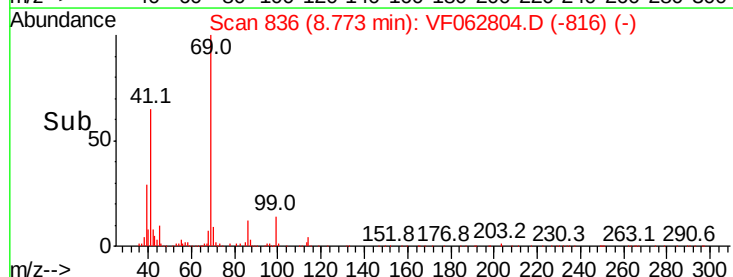
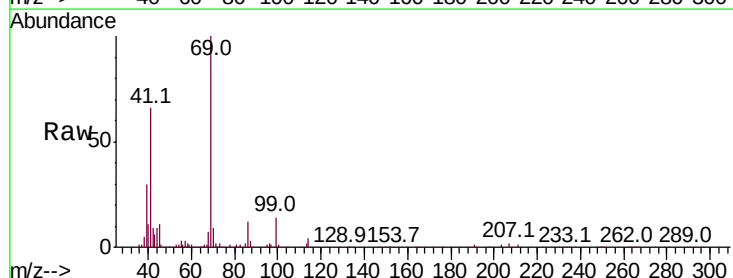
RT: 8.77 min Scan# 836

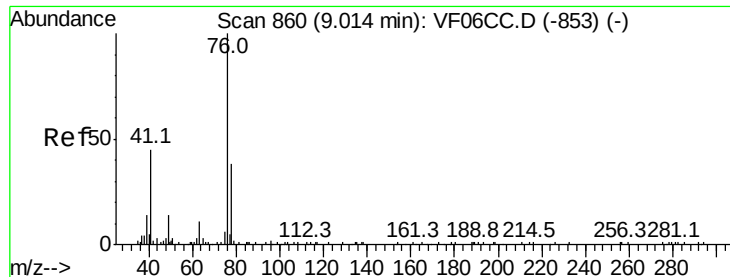
Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	69	Resp:	149344
Ion	Ratio	Lower	Upper
69	100		
41	65.9	46.6	69.8
39	29.6	19.6	29.4#





#57

1,3-Dichloropropane

Concen: 22.092 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062804.D

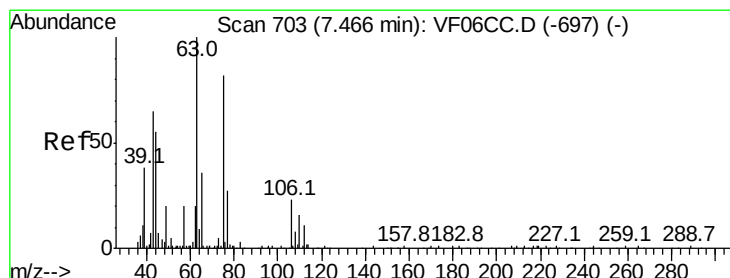
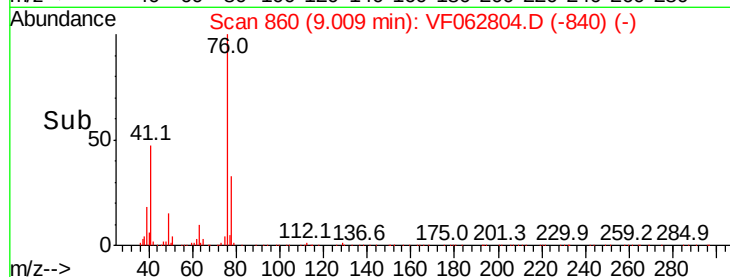
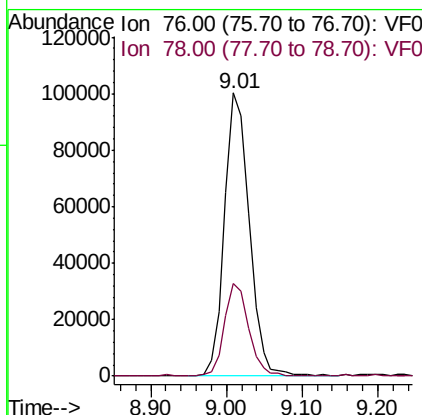
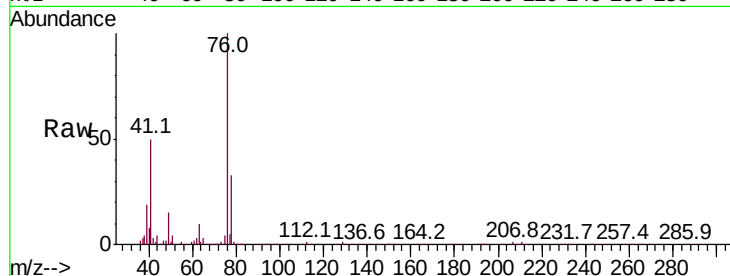
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.8	40.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 119.270 ug/l

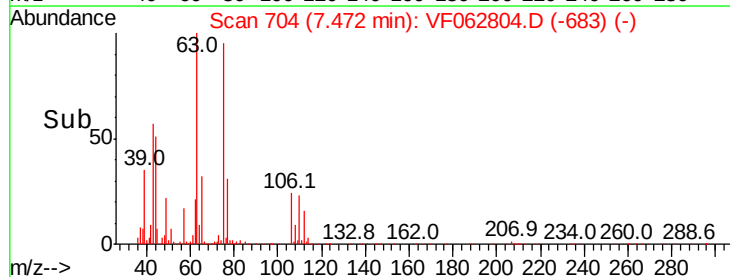
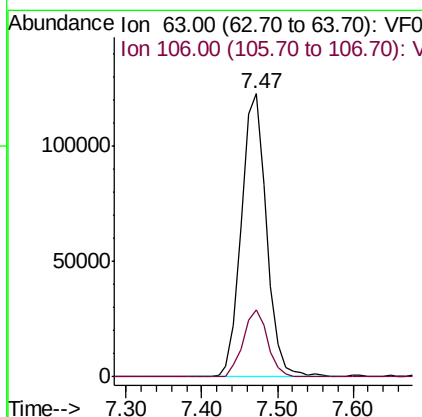
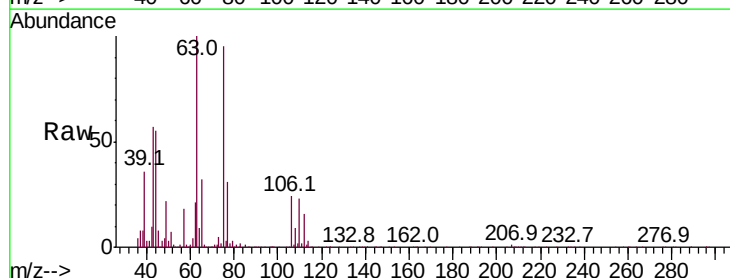
RT: 7.47 min Scan# 704

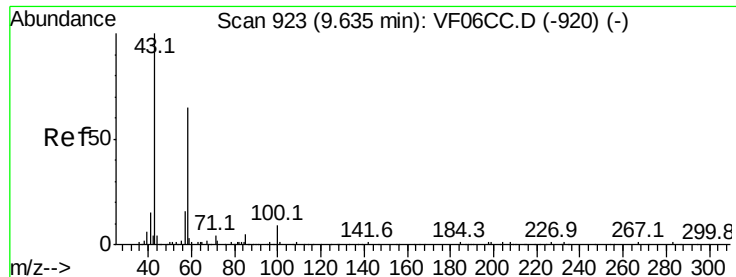
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	19.5	29.3





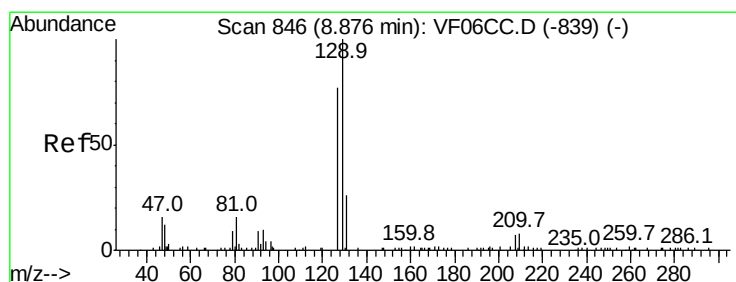
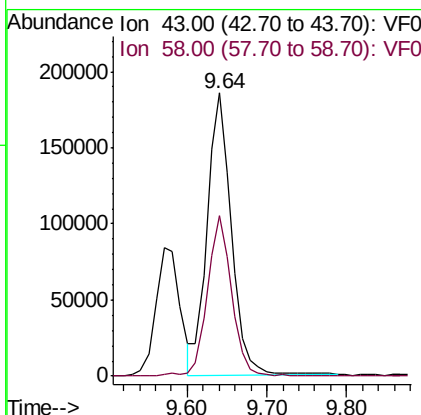
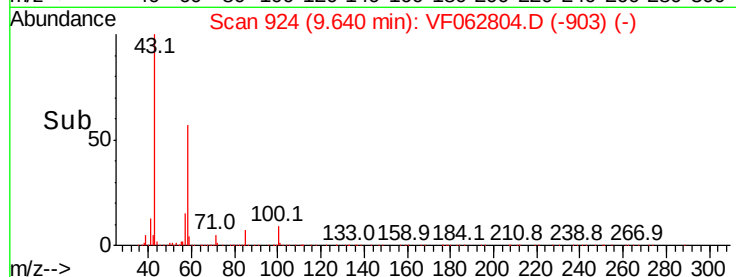
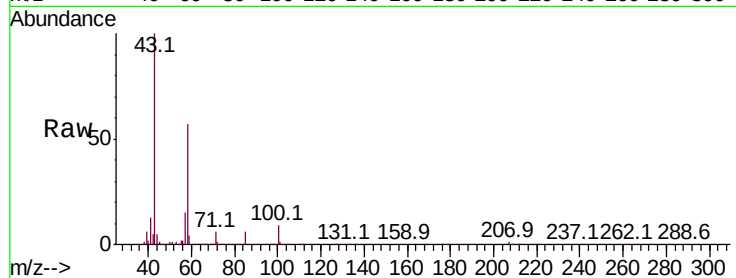
#59
2-Hexanone
Concen: 113.798 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion: 43 Resp: 394504
Ion Ratio Lower Upper
43 100
58 56.7 29.3 87.9

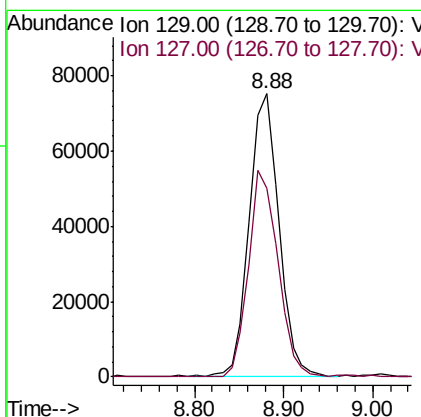
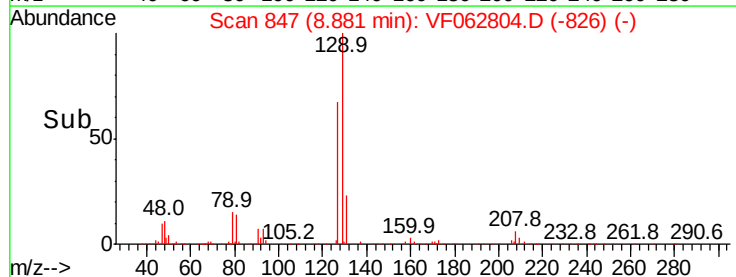
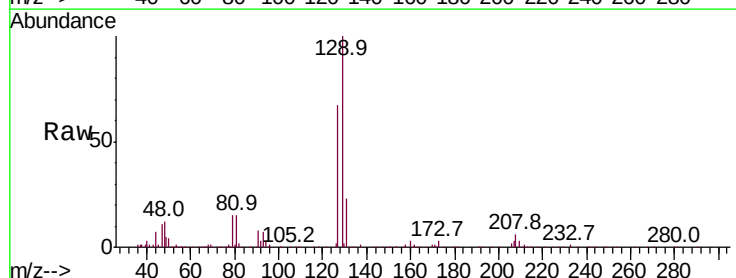
Manual Integrations
APPROVED

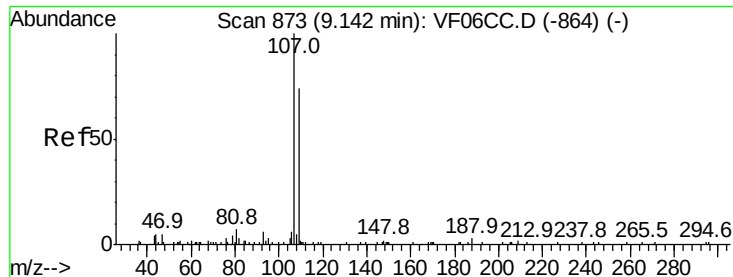
MMDadoda
6/4/2019 8:45:23 AM



#60
Dibromochloromethane
Concen: 21.963 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion: 129 Resp: 171793
Ion Ratio Lower Upper
129 100
127 66.7 37.1 111.3





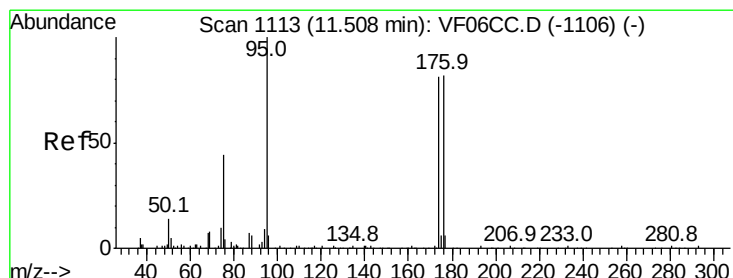
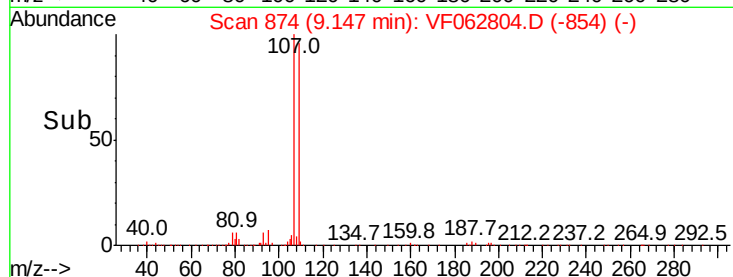
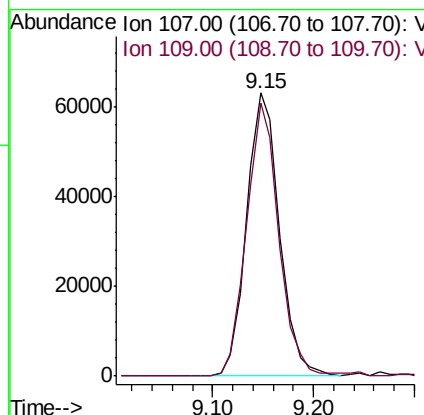
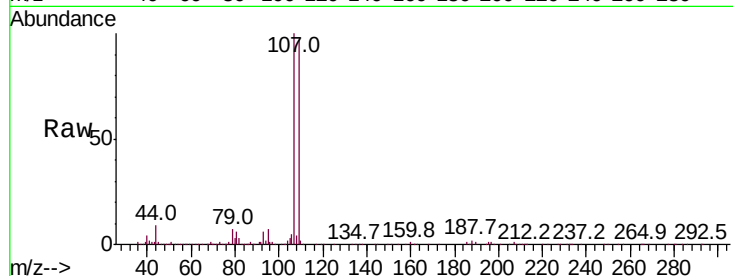
#61
 1,2-Dibromoethane
 Concen: 21.850 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	78.1	117.1

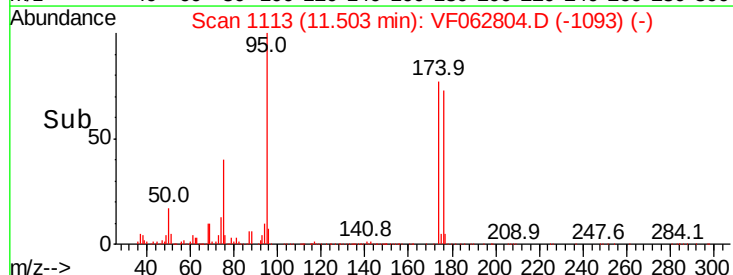
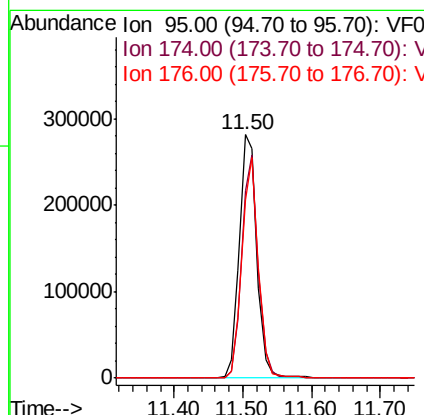
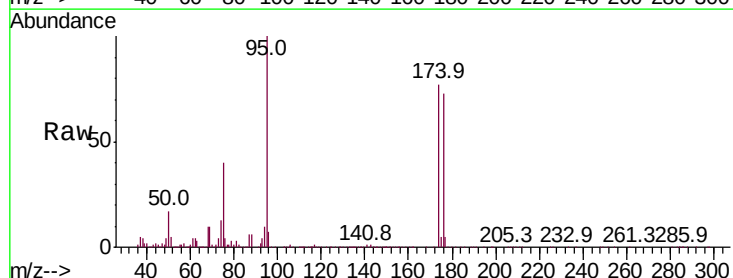
Manual Integrations
 APPROVED

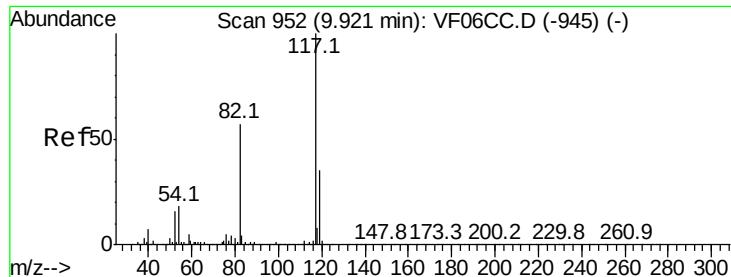
MMDadoda
 6/4/2019 8:45:23 AM



#62
 4-Bromofluorobenzene
 Concen: 49.313 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	170.6
176	73.3	0.0	170.6





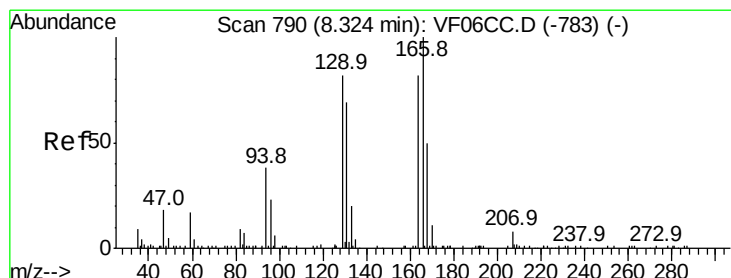
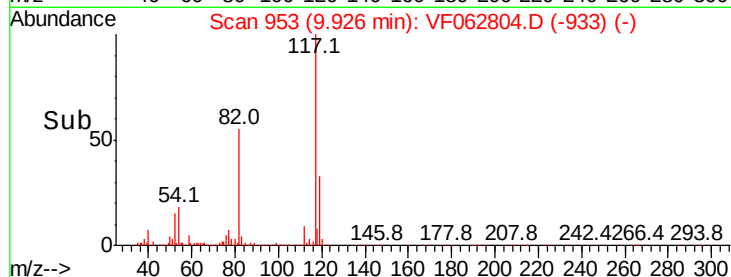
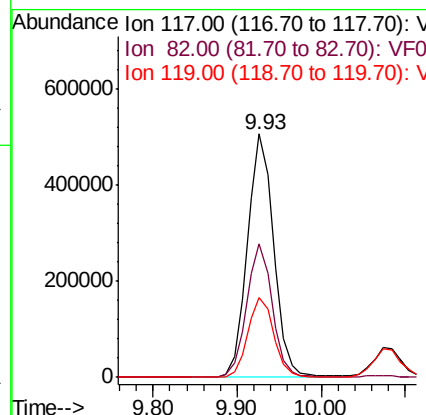
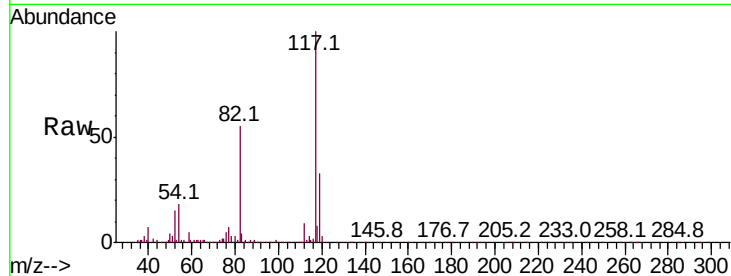
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.4	63.6
119	33.0	27.1	40.7

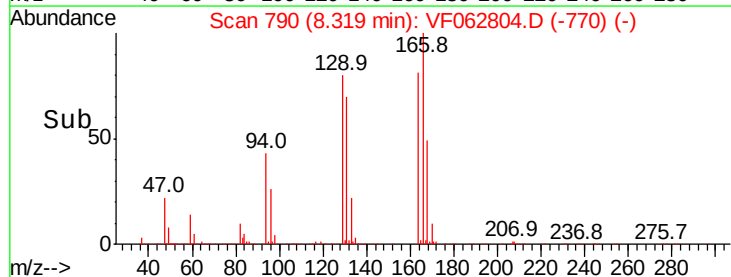
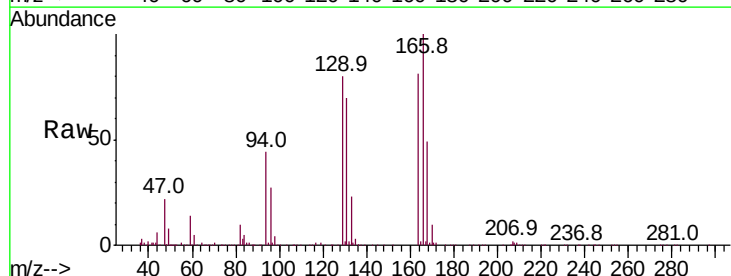
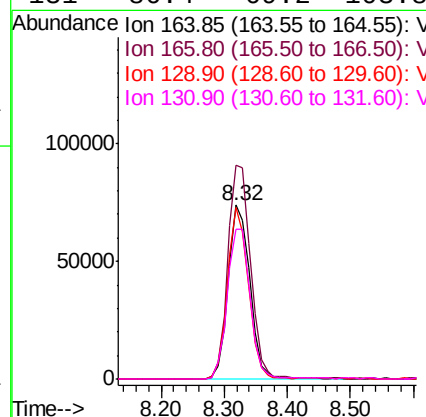
Manual Integrations
APPROVED

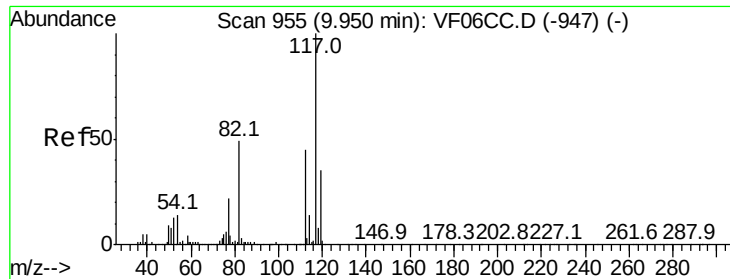
MMDadoda
6/4/2019 8:45:23 AM



#64
Tetrachloroethene
Concen: 20.883 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	99.1	148.7
129	98.7	69.5	104.3
131	86.4	69.2	103.8





#65

Chlorobenzene

Concen: 21.225 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion:112 Resp: 454640

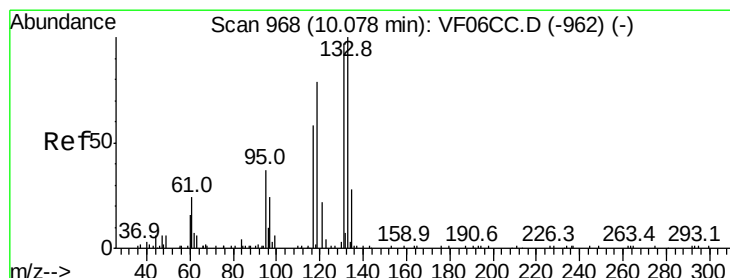
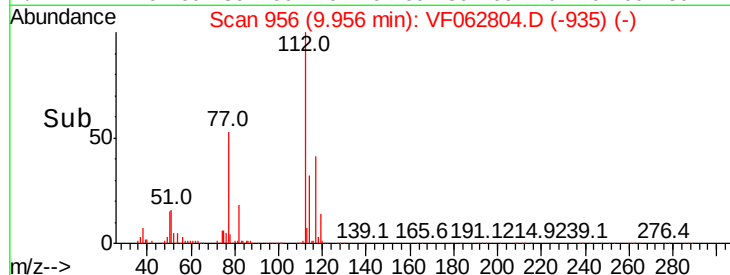
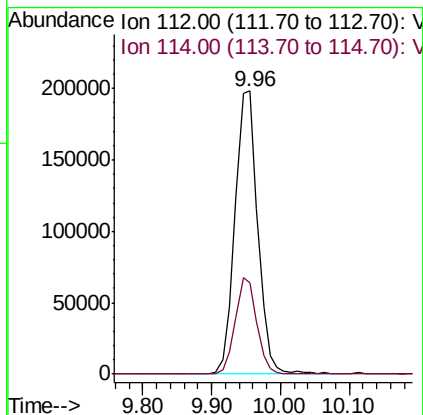
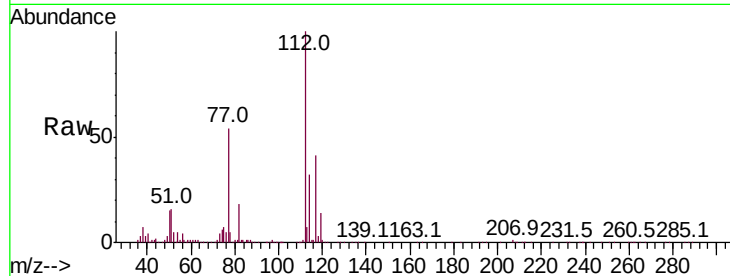
Ion Ratio Lower Upper

112 100

114 32.3 27.4 41.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.030 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

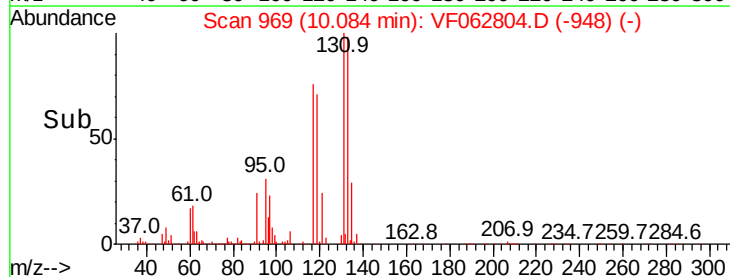
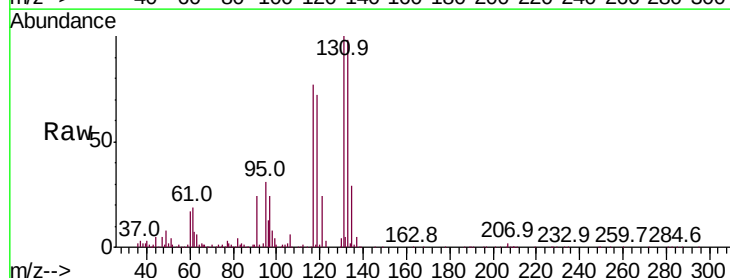
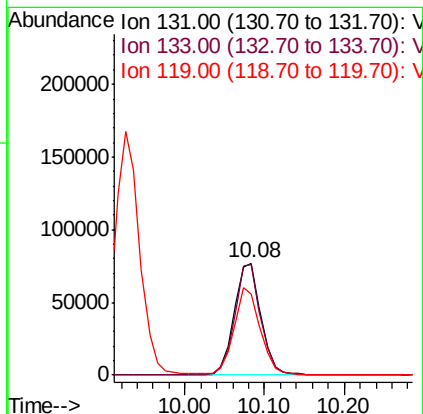
Tgt Ion:131 Resp: 179402

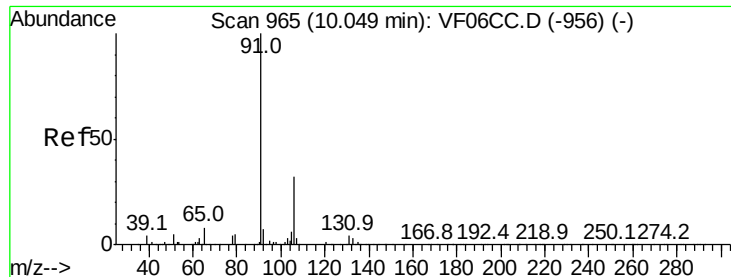
Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.7

119 71.9 38.0 114.0





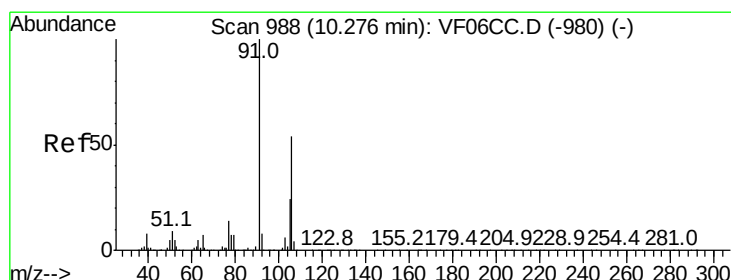
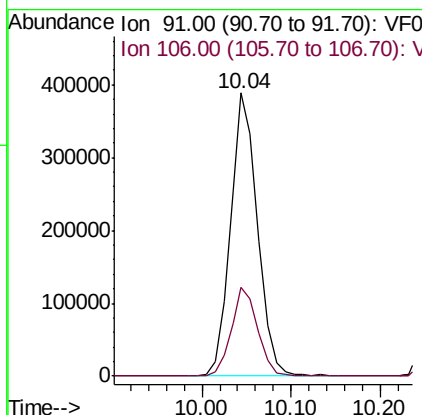
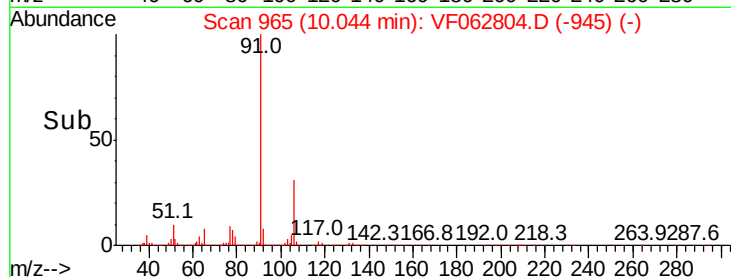
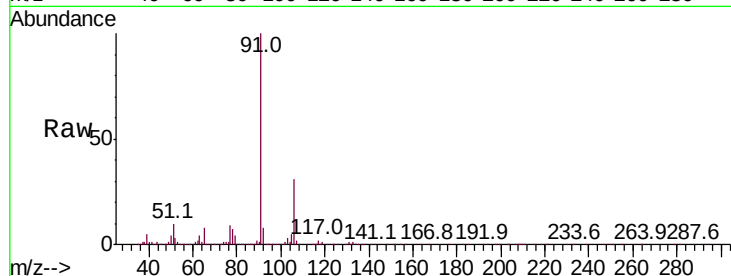
#67
Ethyl Benzene
Concen: 22.363 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion: 91 Resp: 822011
Ion Ratio Lower Upper
91 100
106 31.2 26.0 39.0

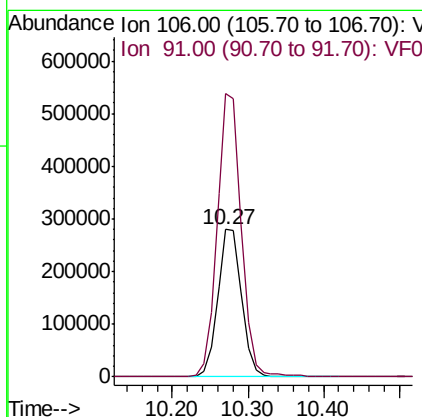
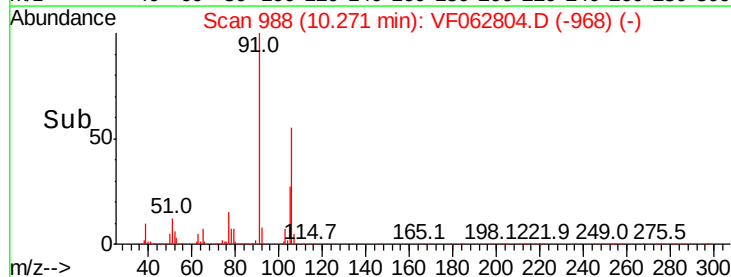
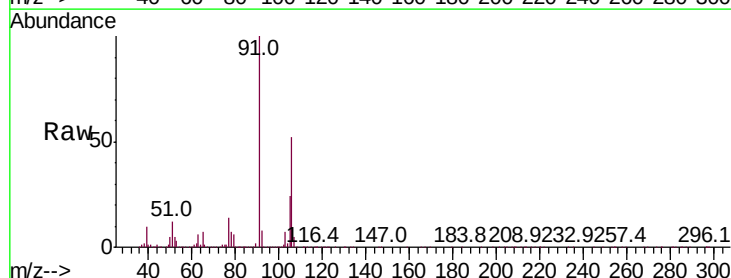
Manual Integrations
APPROVED

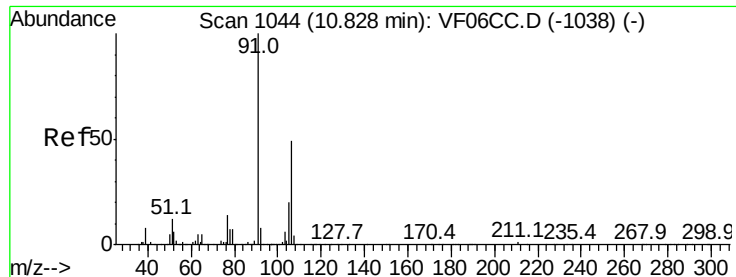
MMDadoda
6/4/2019 8:45:23 AM



#68
m/p-Xylenes
Concen: 43.863 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion: 106 Resp: 616972
Ion Ratio Lower Upper
106 100
91 192.2 136.2 204.4





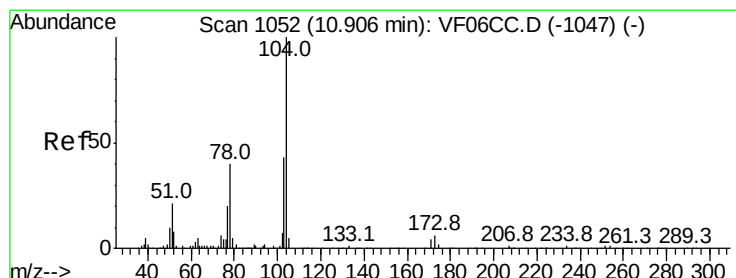
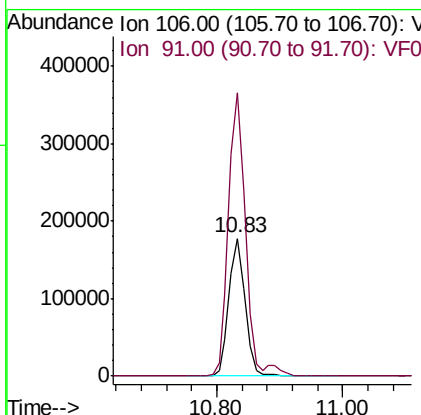
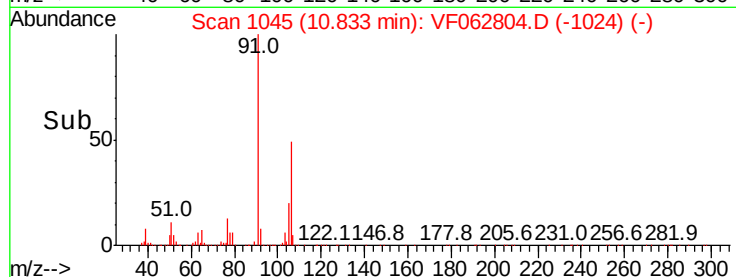
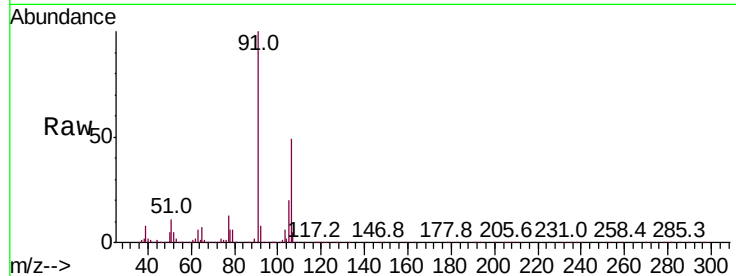
#69
o-Xylene
Concen: 22.371 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	318587		
91	205.2	96.6	289.8	

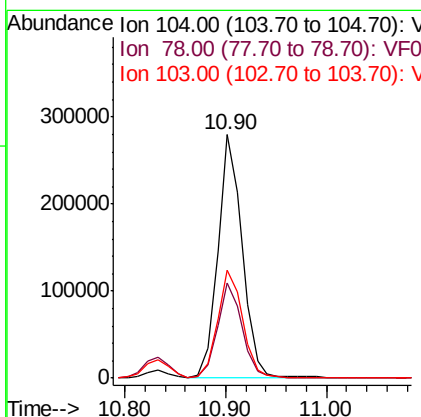
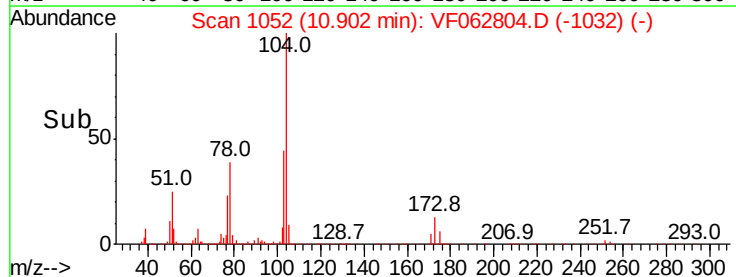
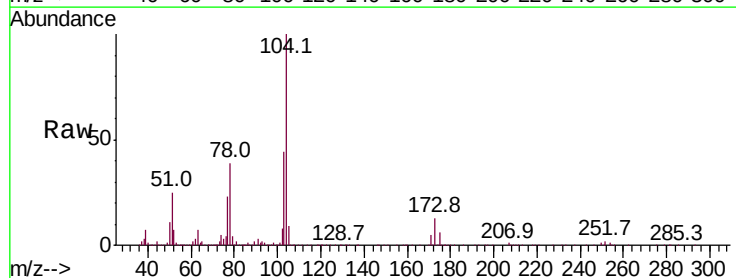
Manual Integrations
APPROVED

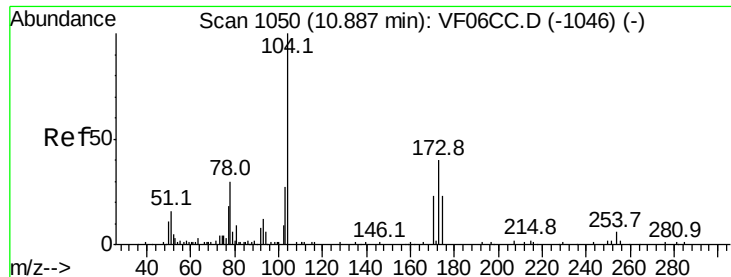
MMDadoda
6/4/2019 8:45:23 AM



#70
Styrene
Concen: 22.367 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	469492		
78	39.1	30.8	46.2	
103	44.2	35.8	53.6	





#71

Bromoform

Concen: 21.097 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

VF0531SBS01

Tot Ion:173 Resp: 86337

Ion Ratio Lower Upper

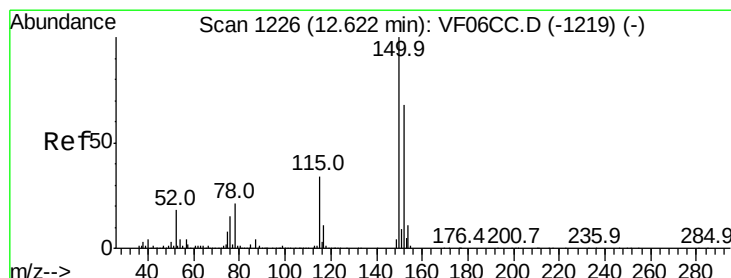
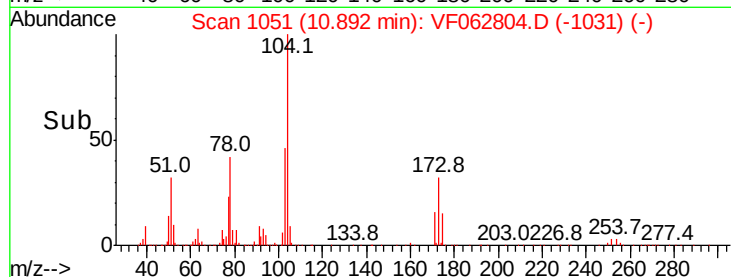
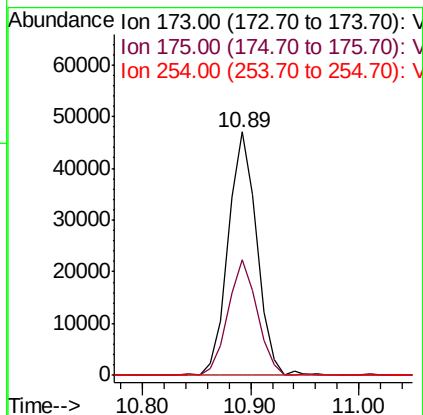
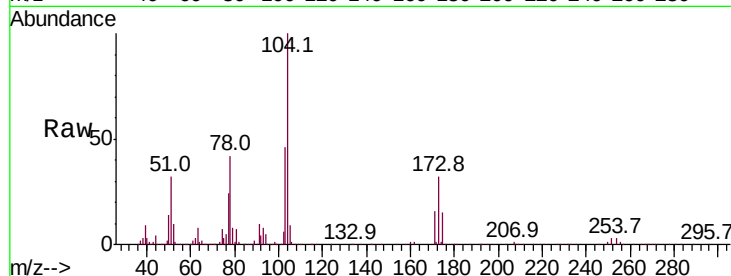
173 100

175 47.6 24.6 74.0

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

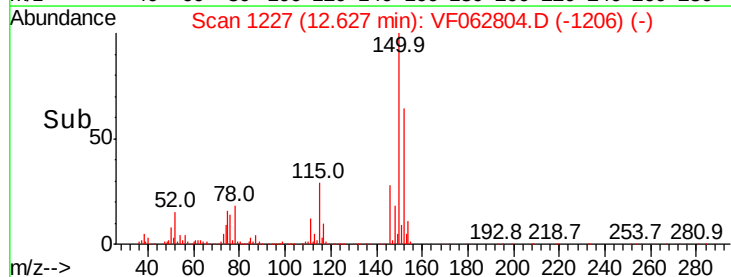
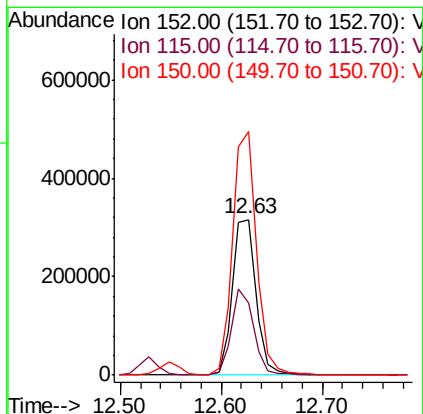
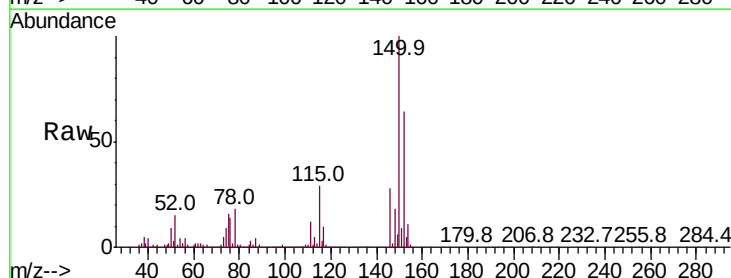
Tgt Ion:152 Resp: 513672

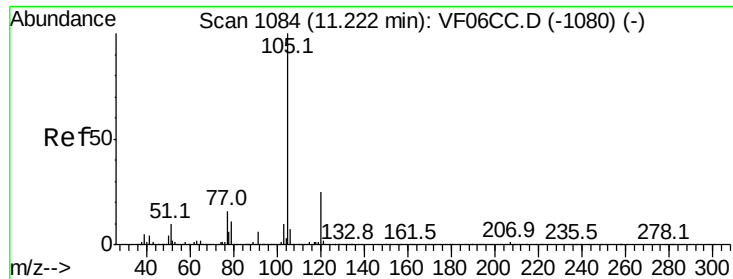
Ion Ratio Lower Upper

152 100

115 46.1 24.6 74.0

150 156.5 0.0 290.6





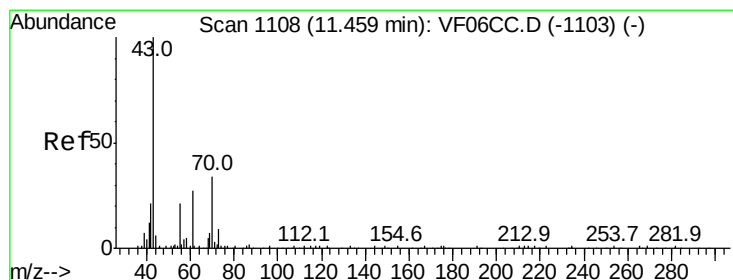
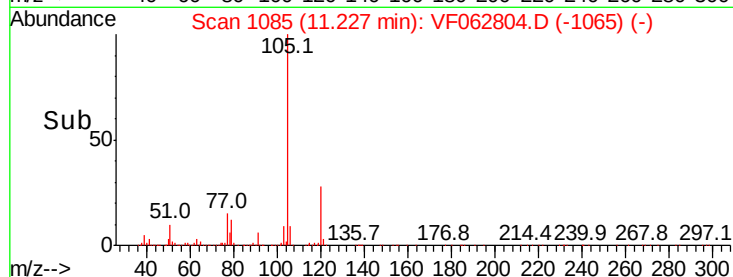
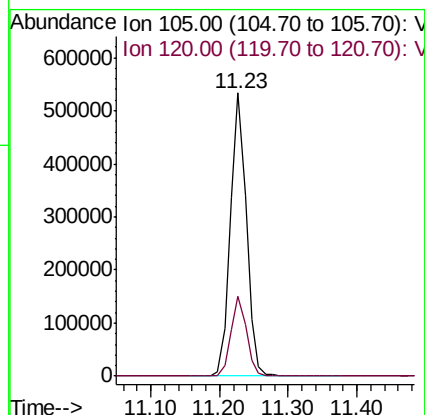
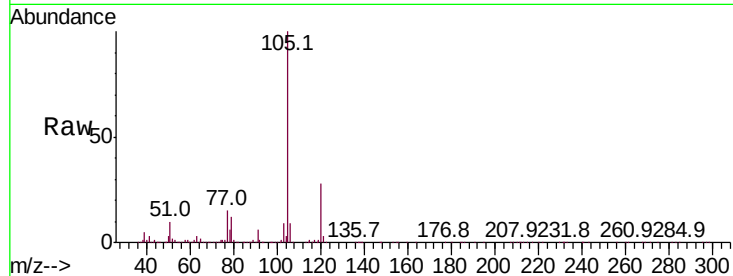
#73
Isopropylbenzene
Concen: 23.901 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	15.1	45.3

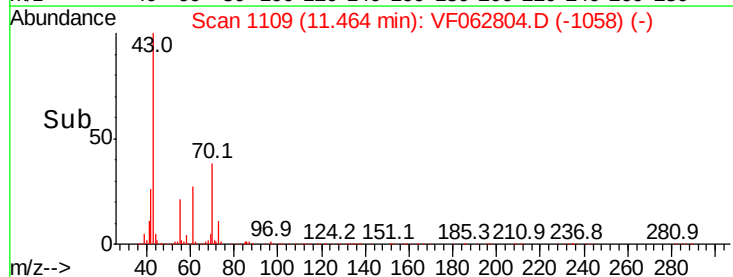
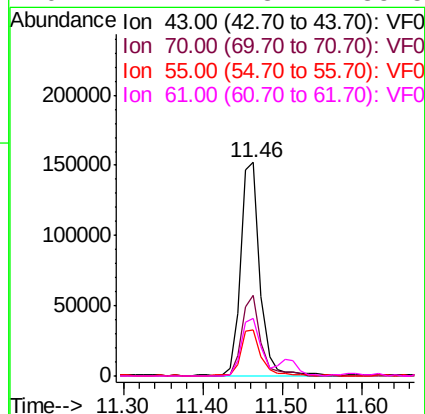
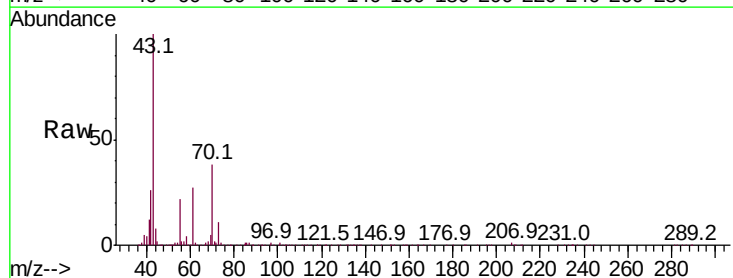
Manual Integrations
APPROVED

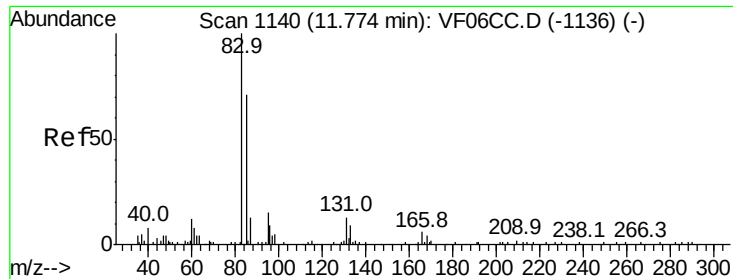
MMDadoda
6/4/2019 8:45:23 AM



#74
N-ethyl acetate
Concen: 25.272 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.8	32.9	49.3
55	21.5	17.3	25.9
61	27.1	23.7	35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.588 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

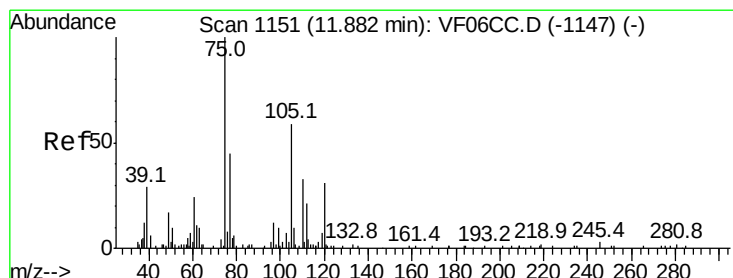
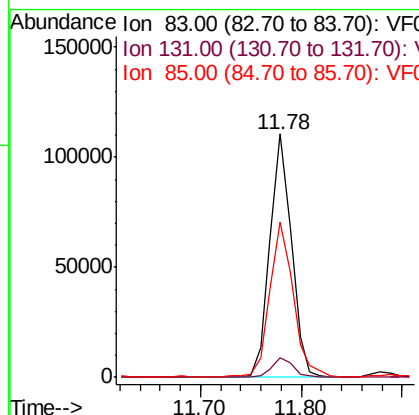
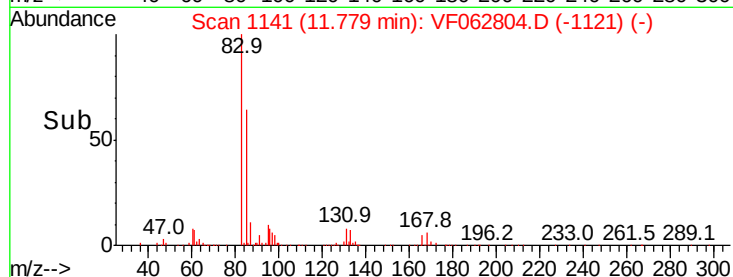
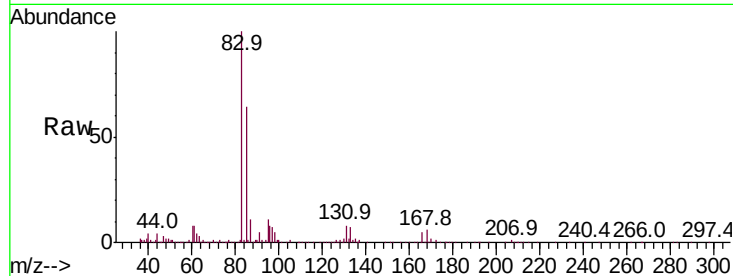
ClientSampleId :

VF0531SBS01

Tot Ion:	83	Resp:	165236
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.9	14.7
85	64.0	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#76

1,2,3-Trichloropropane

Concen: 21.385 ug/l

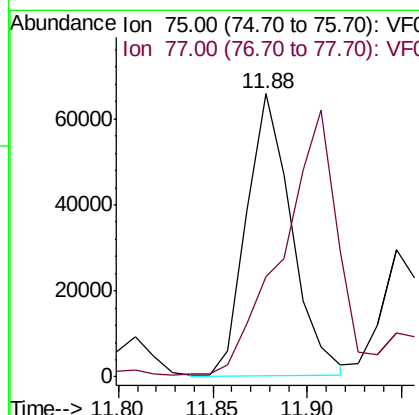
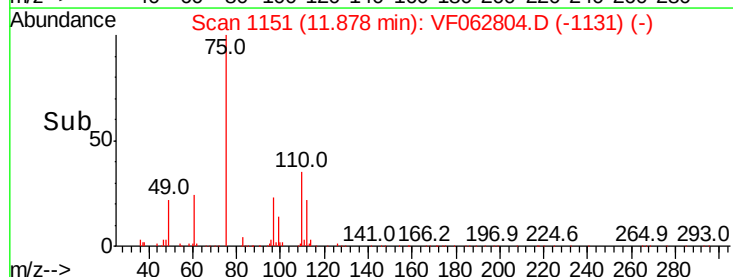
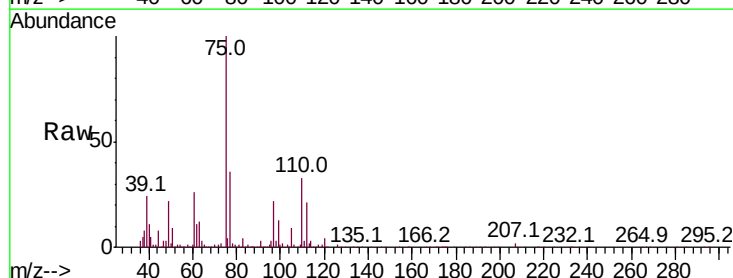
RT: 11.88 min Scan# 1151

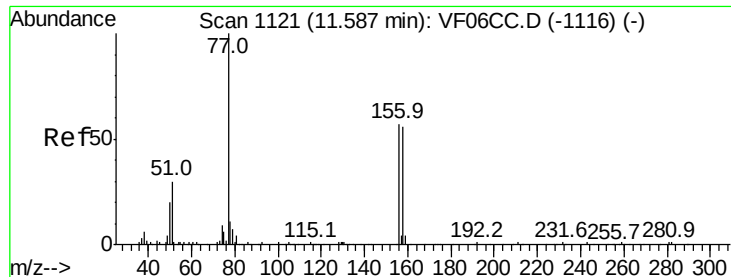
Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	75	Resp:	108497
Ion Ratio	Lower	Upper	
75	100		
77	35.5	20.1	60.2





#77

Bromobenzene

Concen: 21.633 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

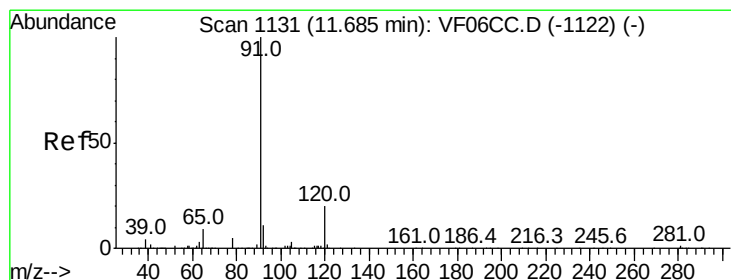
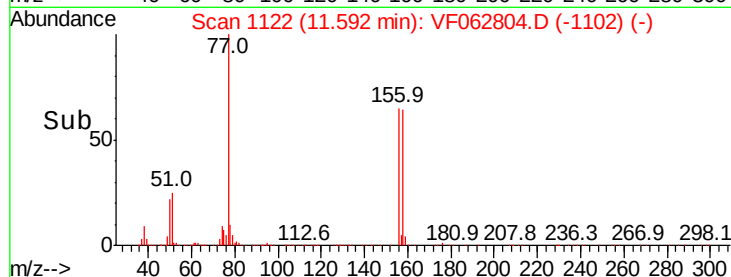
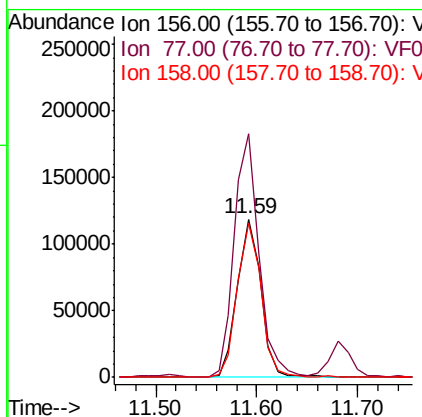
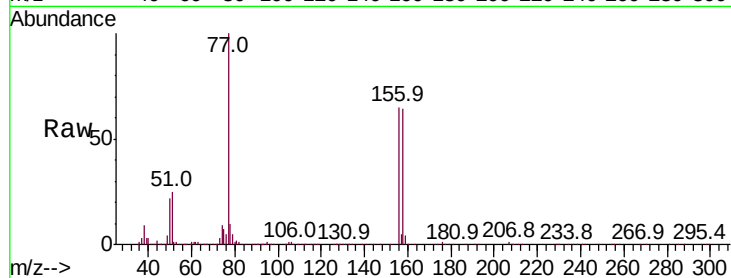
ClientSampleId :

VF0531SBS01

Tot Ion:	156	Resp:	194820
Ion Ratio	Lower	Upper	
156	100		
77	154.2	64.2	192.6
158	97.9	50.3	151.0

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#78

n-propylbenzene

Concen: 23.109 ug/l

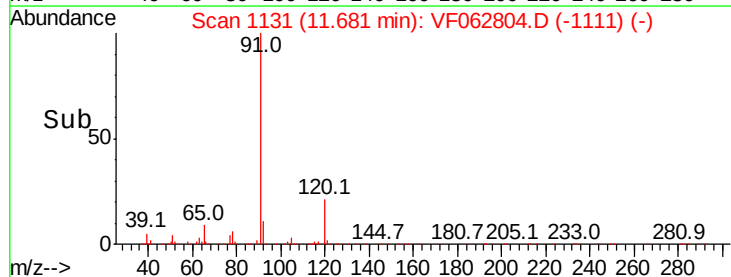
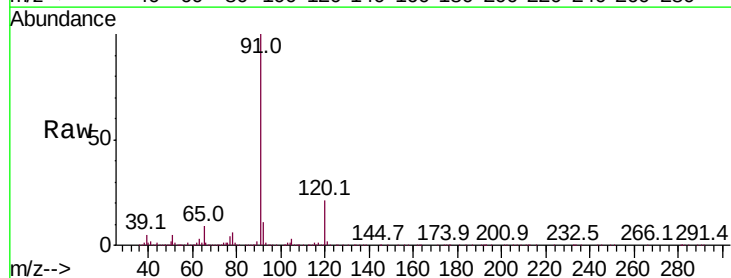
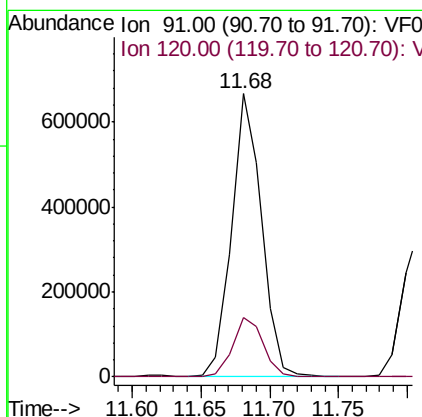
RT: 11.68 min Scan# 1131

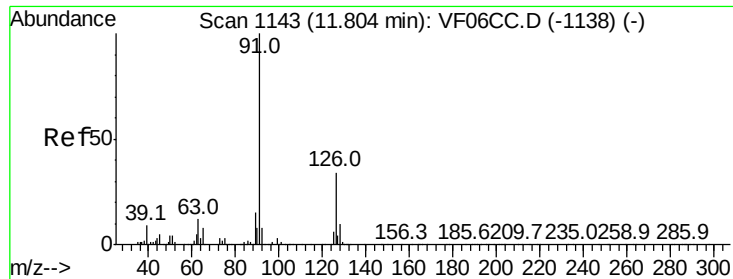
Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	91	Resp:	1000072
Ion Ratio	Lower	Upper	
91	100		
120	21.0	12.8	38.4





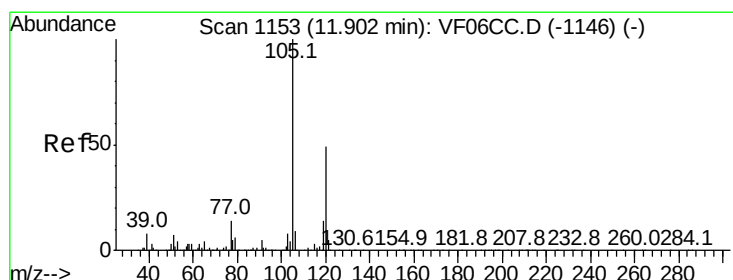
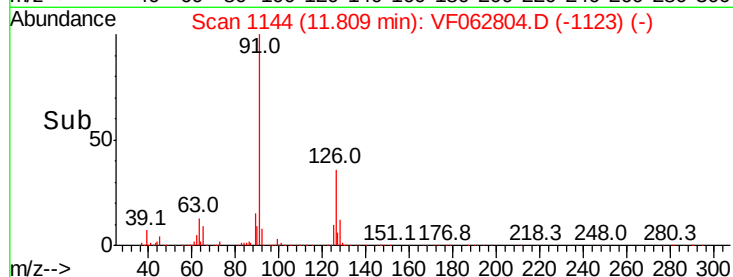
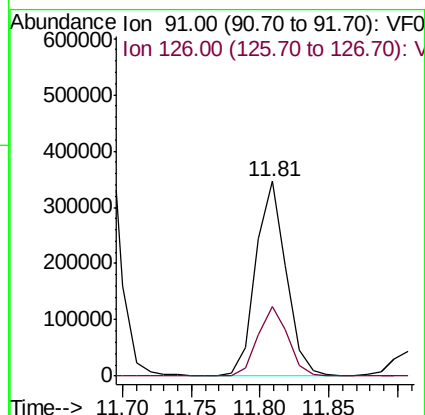
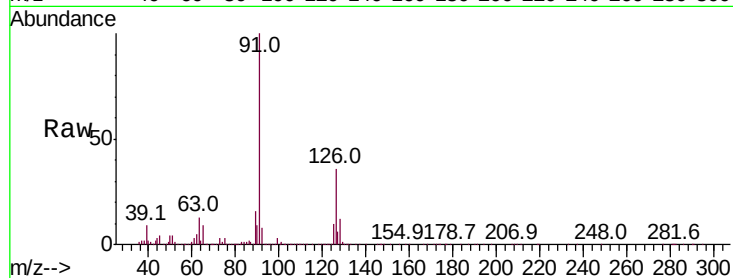
#79
2-Chlorotoluene
Concen: 21.283 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion: 91 Resp: 527021
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.3

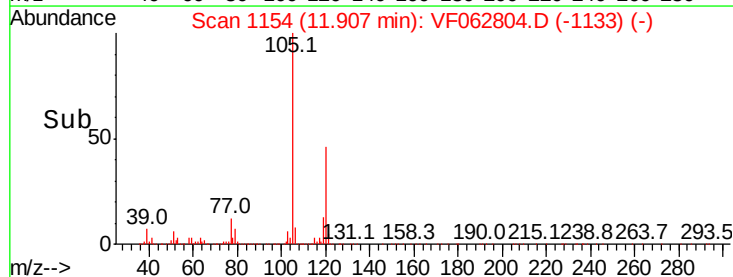
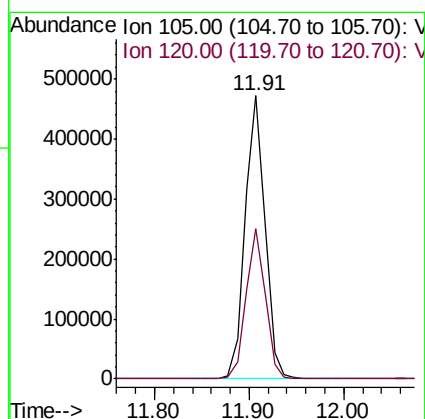
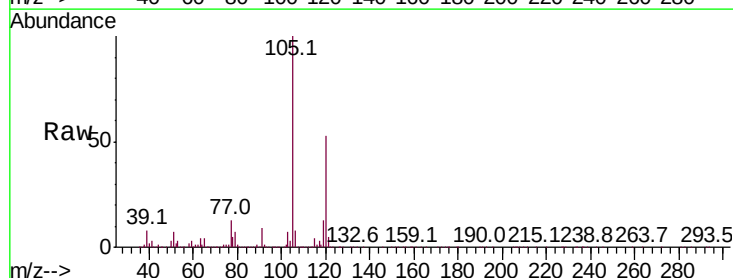
Manual Integrations
APPROVED

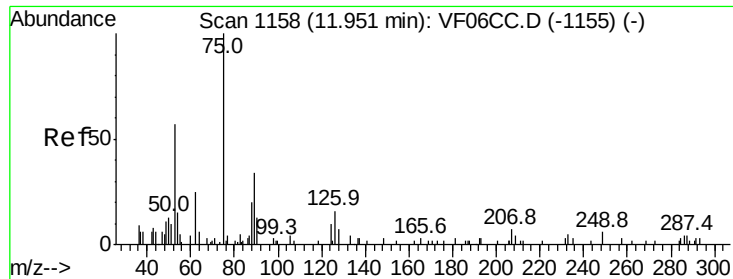
MMDadoda
6/4/2019 8:45:23 AM



#80
1,3,5-Trimethylbenzene
Concen: 23.351 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion: 105 Resp: 684448
Ion Ratio Lower Upper
105 100
120 53.0 28.7 86.1





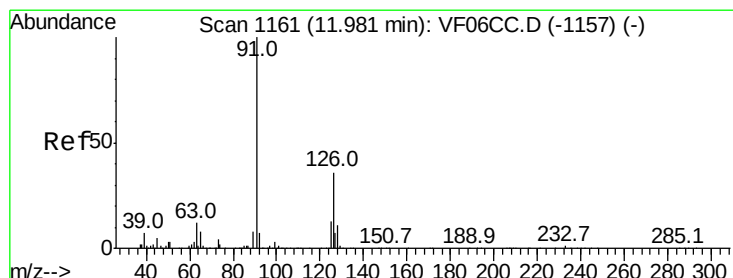
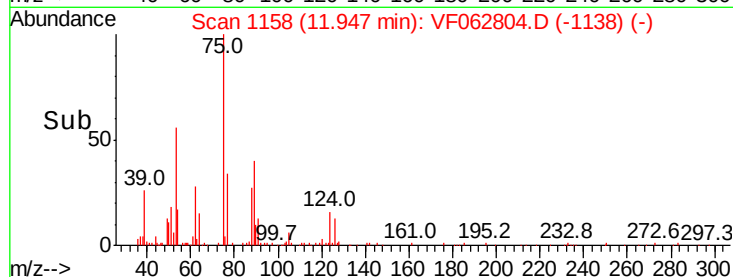
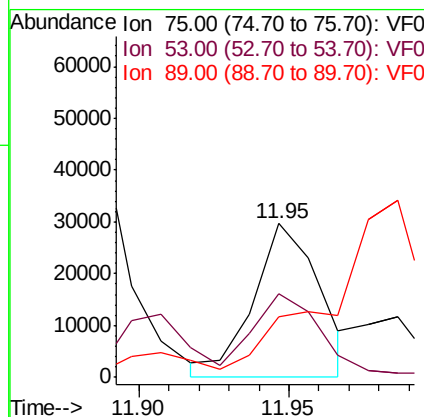
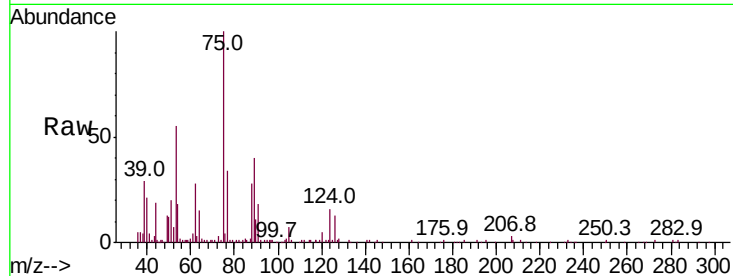
#81
trans-1,4-Dichloro-2-butene
Concen: 21.263 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	54.8	43.5	65.3
89	39.6	34.3	51.5

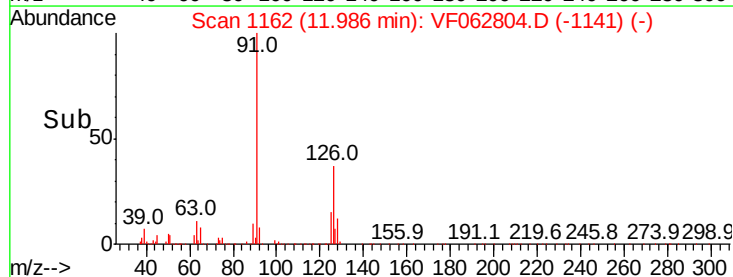
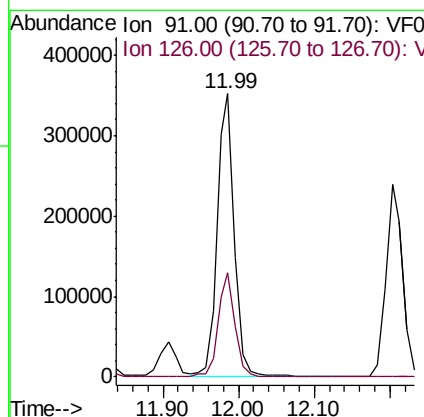
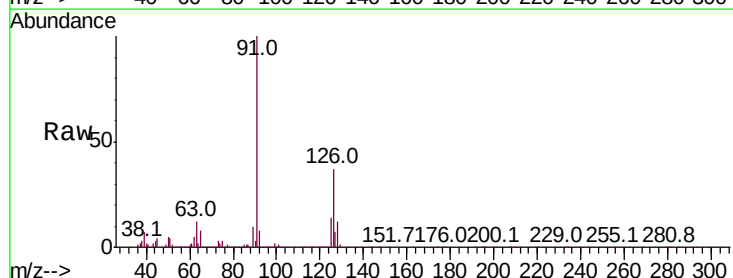
Manual Integrations
APPROVED

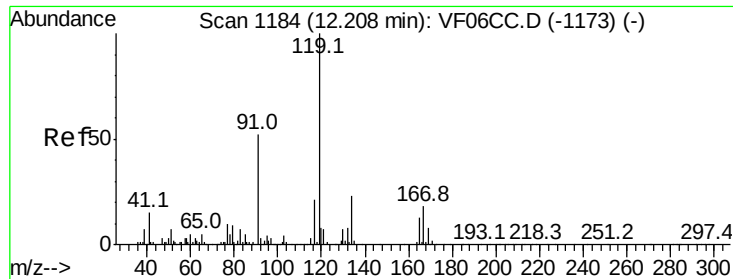
MMDadoda
6/4/2019 8:45:23 AM



#82
4-Chlorotoluene
Concen: 23.011 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	19.1	57.1





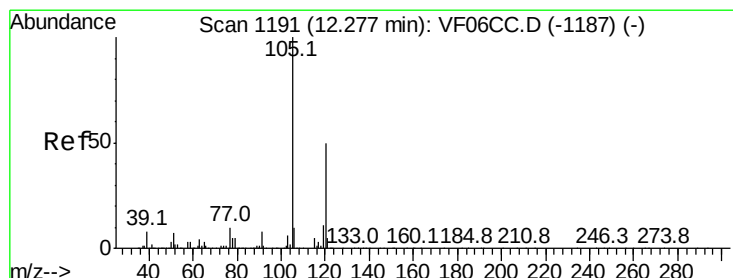
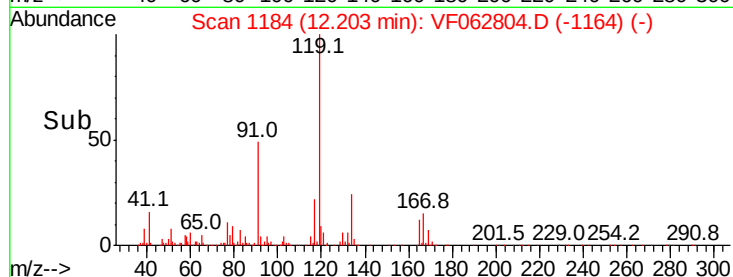
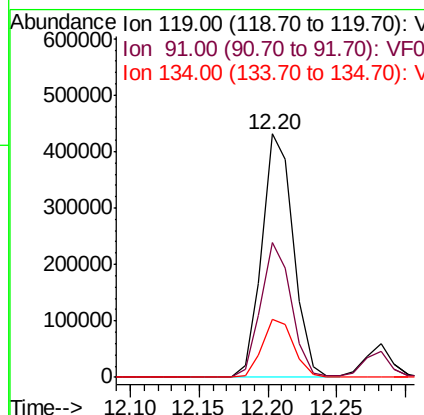
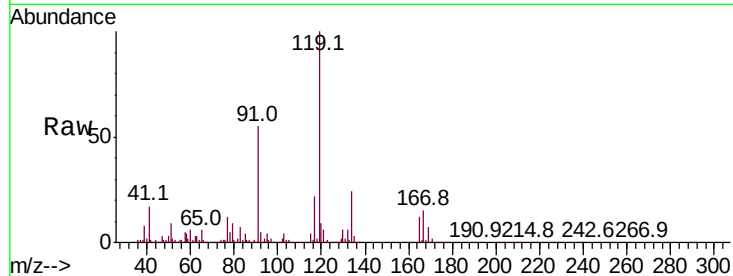
#83
 tert-Butylbenzene
 Concen: 23.732 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	689251		
91	55.5	28.9	86.7	
134	23.6	14.3	42.9	

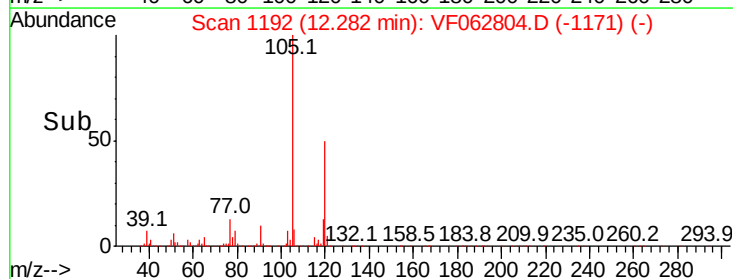
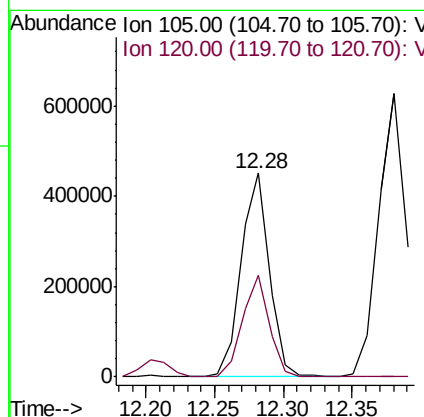
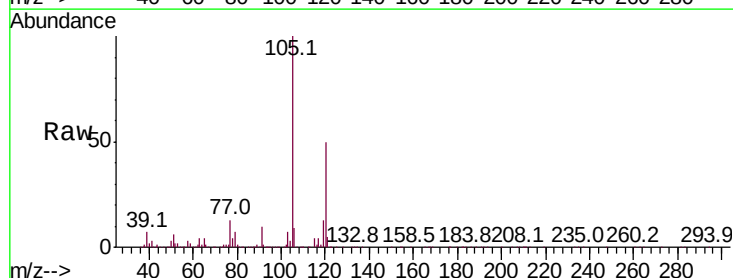
Manual Integrations
 APPROVED

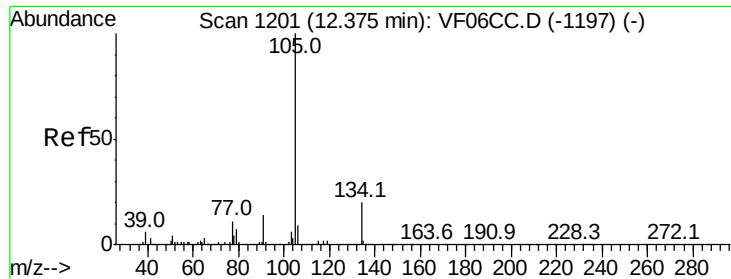
MMDadoda
 6/4/2019 8:45:23 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 23.127 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	642719		
120	49.6	27.1	81.3	





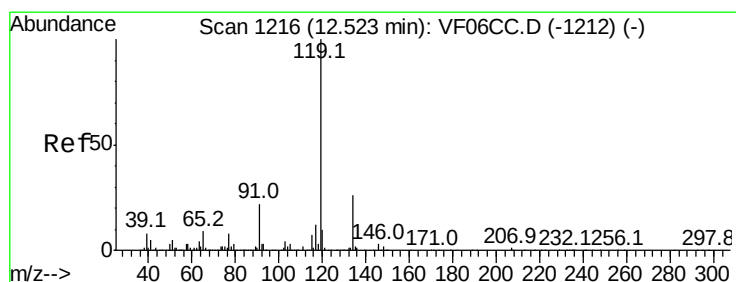
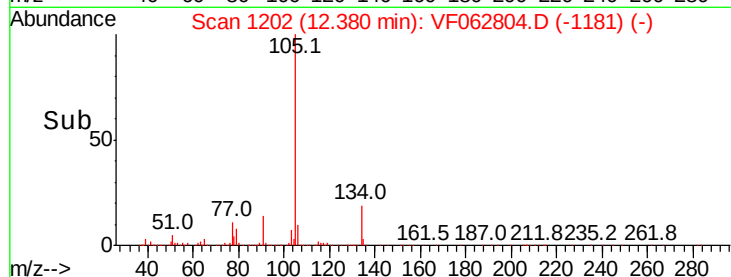
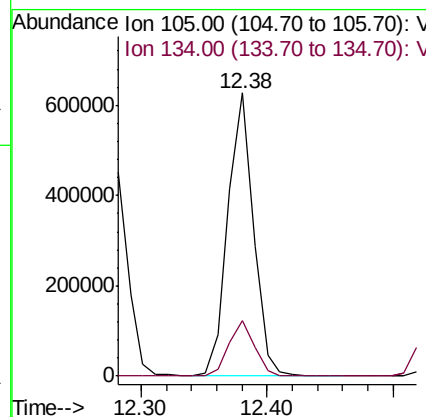
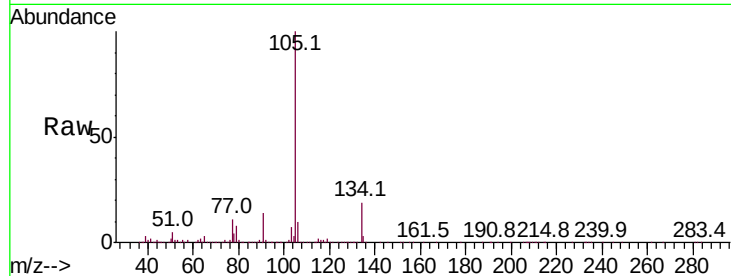
#85
 sec-Butylbenzene
 Concen: 23.044 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	881893		
134	19.4	10.5	31.6	

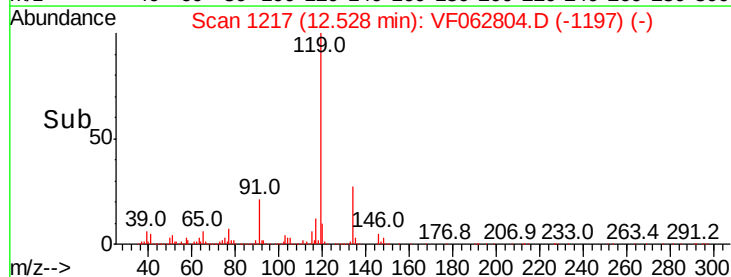
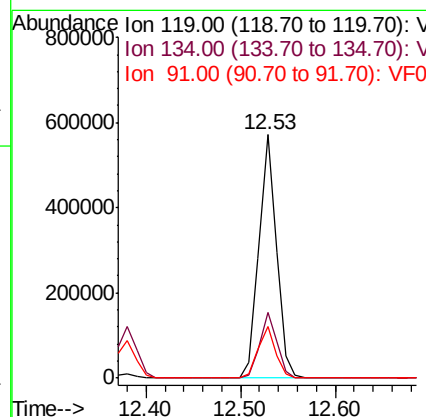
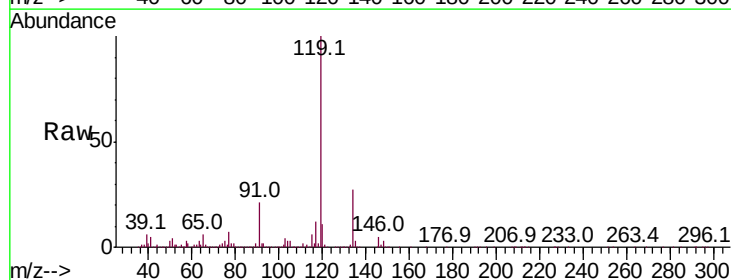
Manual Integrations
 APPROVED

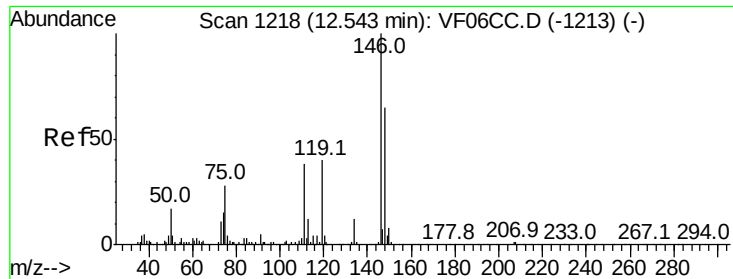
MMDadoda
 6/4/2019 8:45:23 AM



#86
 p-Isopropyltoluene
 Concen: 23.244 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	740432		
134	26.9	15.5	46.5	
91	21.0	10.3	30.9	





#87

1,3-Dichlorobenzene

Concen: 21.783 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

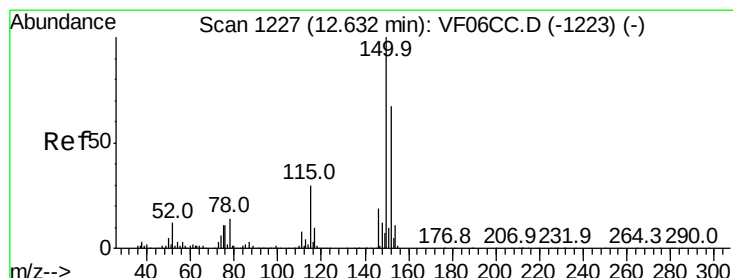
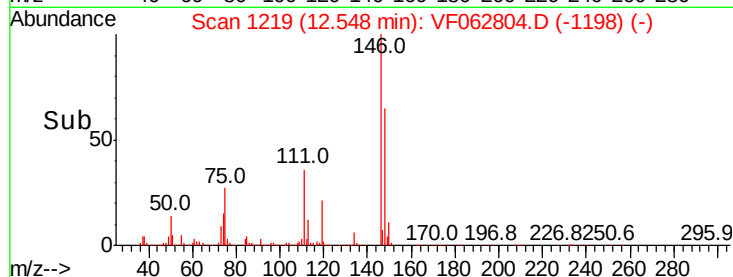
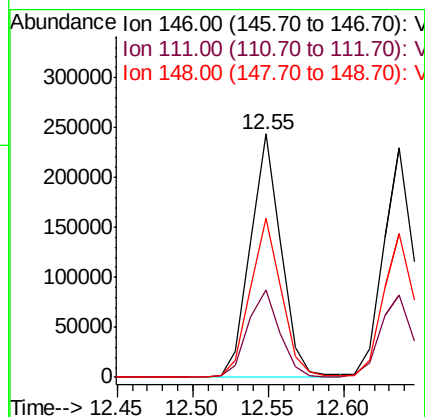
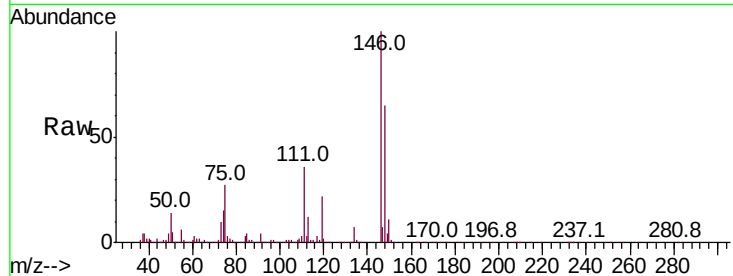
ClientSampleId :

VF0531SBS01

Tot Ion:	146	Resp:	345960
Ion Ratio	Lower	Upper	
146	100		
111	35.9	19.6	58.8
148	65.2	34.2	102.5

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#88

1,4-Dichlorobenzene

Concen: 22.130 ug/l

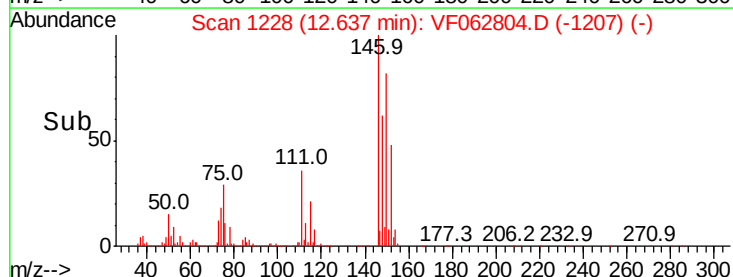
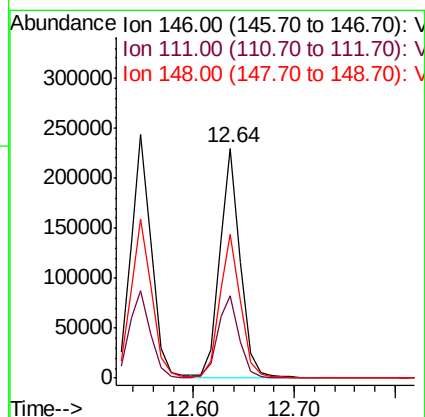
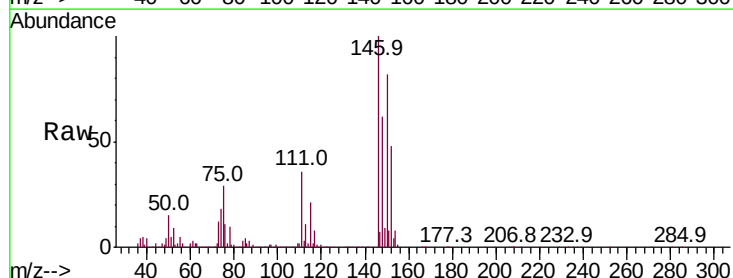
RT: 12.64 min Scan# 1228

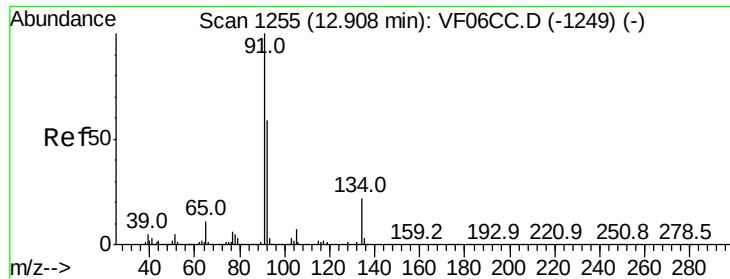
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	146	Resp:	328007
Ion Ratio	Lower	Upper	
146	100		
111	36.0	20.3	60.9
148	62.4	34.0	101.8





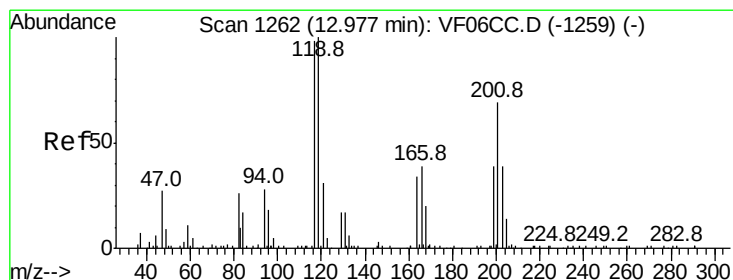
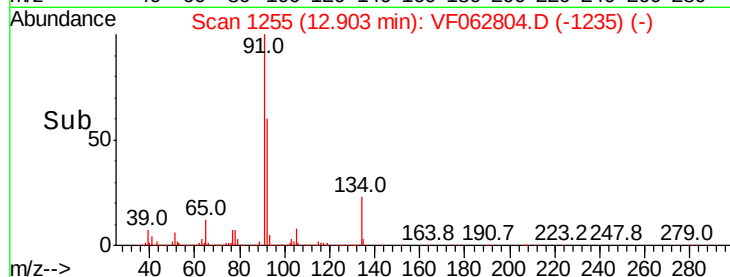
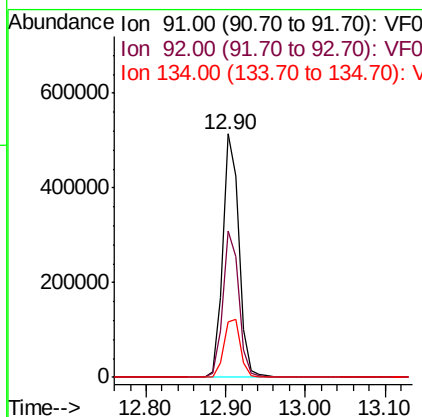
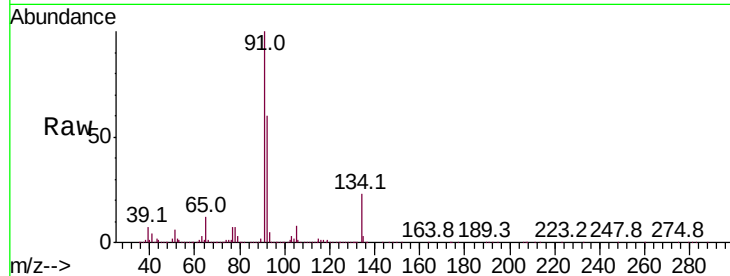
#89
n-Butylbenzene
Concen: 23.015 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :
VF0531SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	34.2	102.6
134	22.7	15.8	47.3

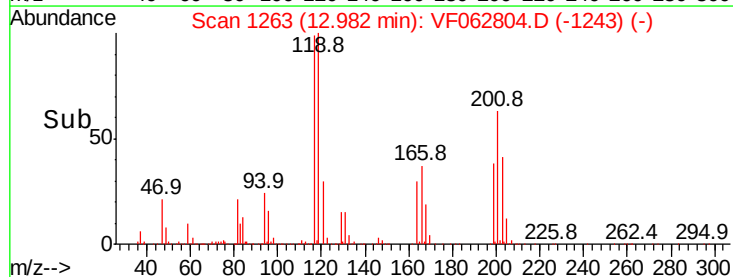
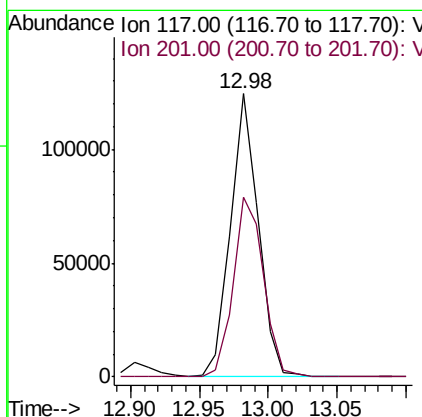
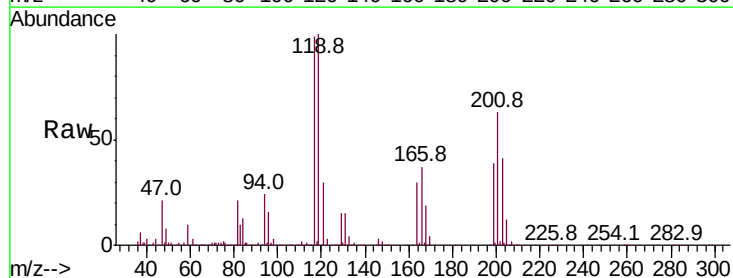
Manual Integrations
APPROVED

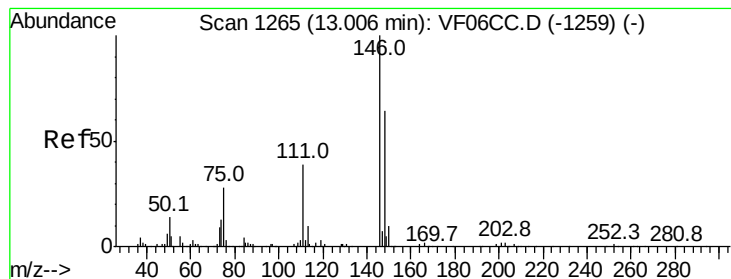
MMDadoda
6/4/2019 8:45:23 AM



#90
Hexachloroethane
Concen: 22.357 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062804.D
Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.3	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 22.051 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

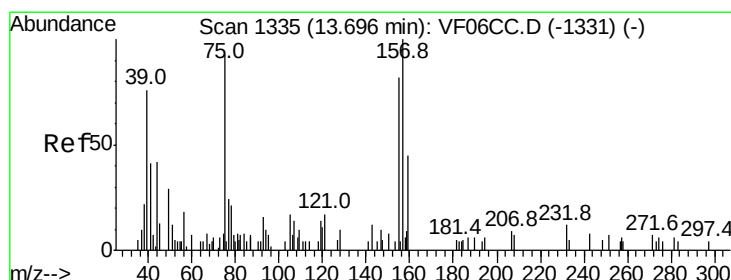
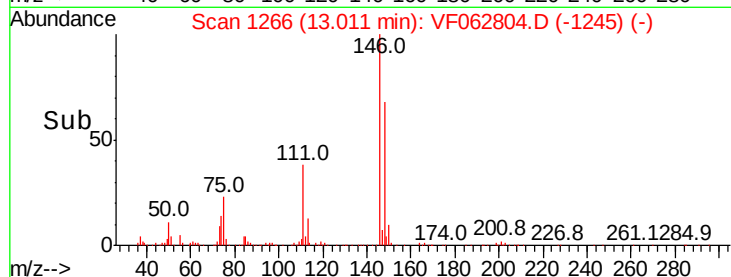
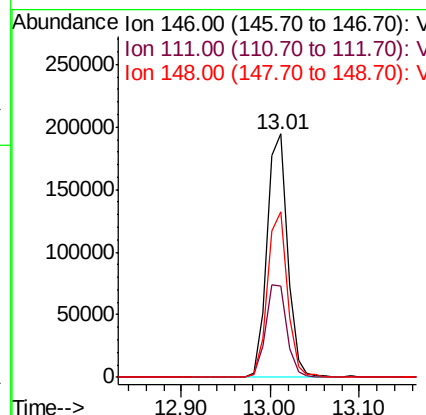
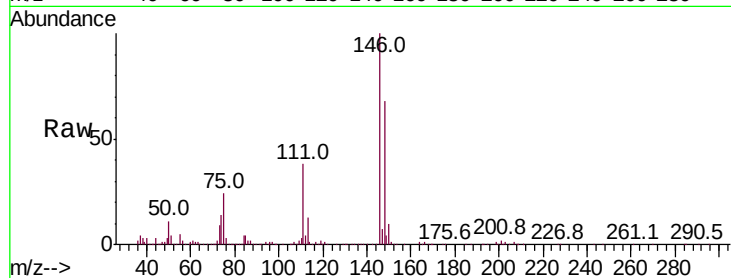
ClientSampleId :

VF0531SBS01

Tot Ion:	146	Resp:	307829
Ion Ratio	Lower	Upper	
146	100		
111	37.6	20.4	61.3
148	67.8	34.1	102.3

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.054 ug/l

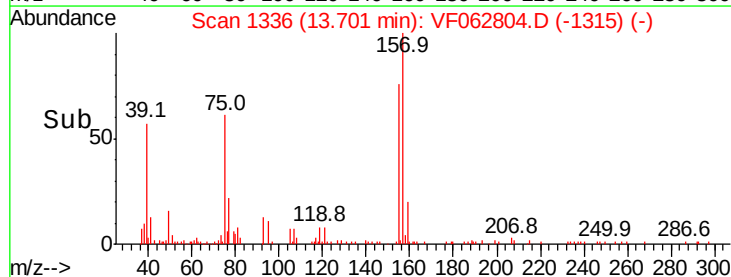
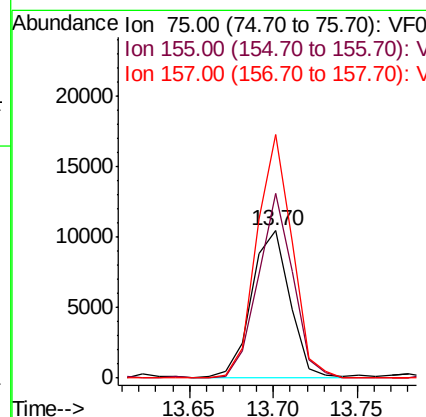
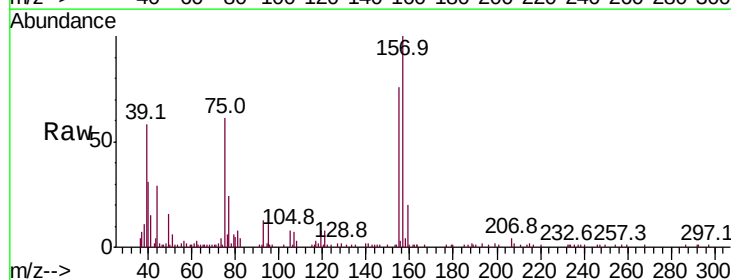
RT: 13.70 min Scan# 1336

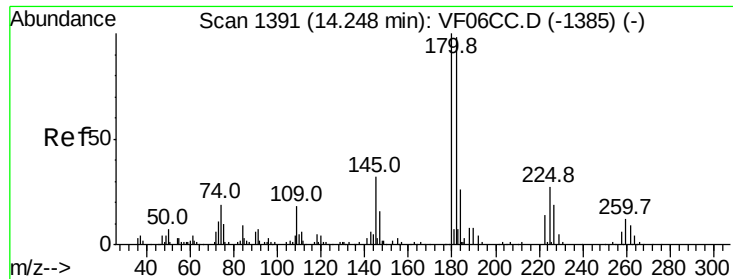
Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	75	Resp:	16723
Ion Ratio	Lower	Upper	
75	100		
155	125.0	51.7	155.1
157	165.0	66.8	200.6





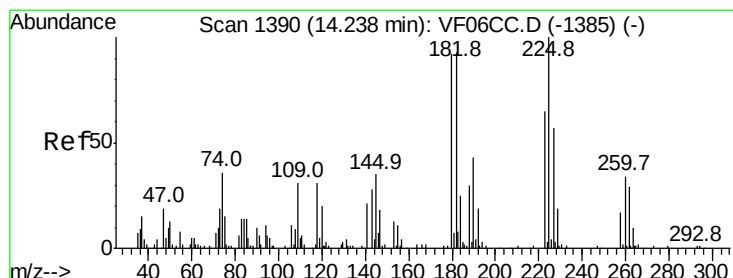
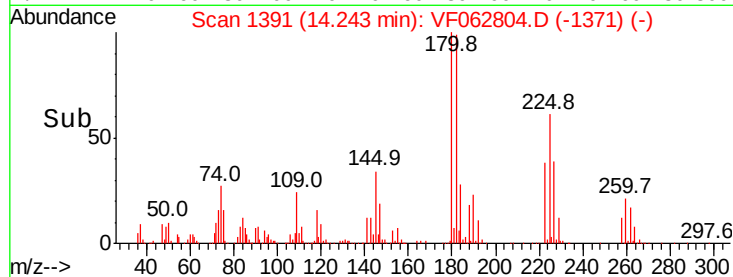
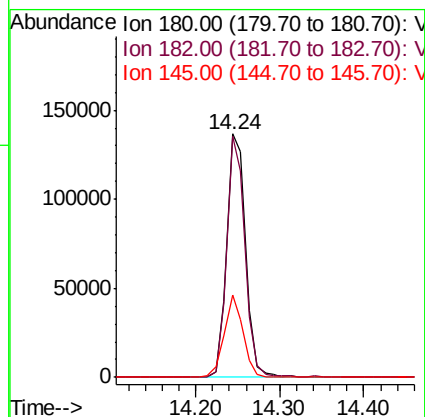
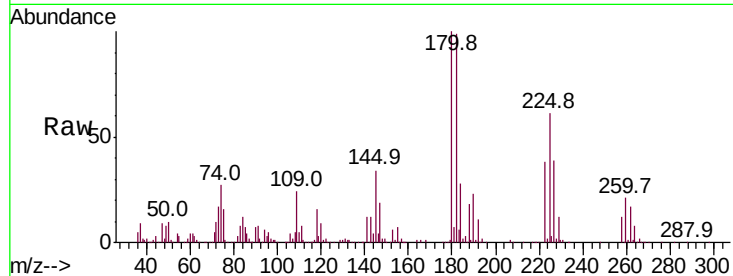
#93
 1,2,4-Trichlorobenzene
 Concen: 22.182 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0531SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212613		
182	98.8	50.3	150.9	
145	33.6	15.4	46.2	

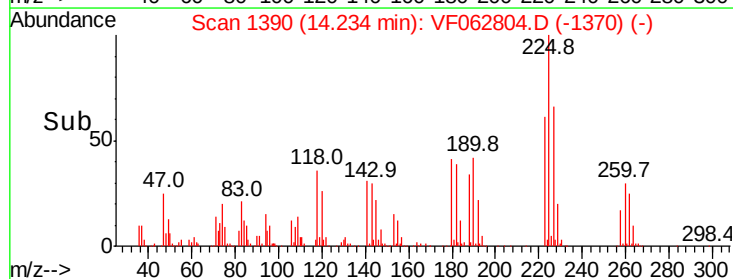
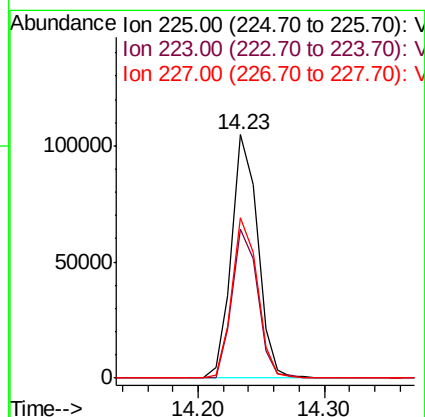
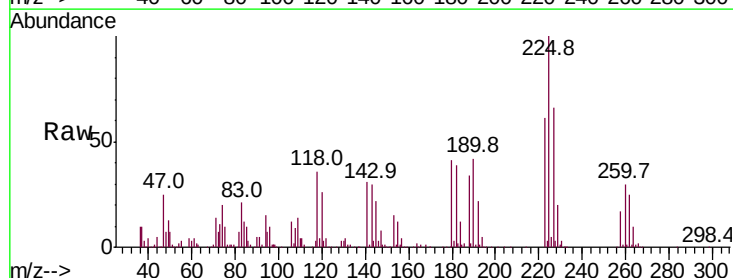
Manual Integrations
 APPROVED

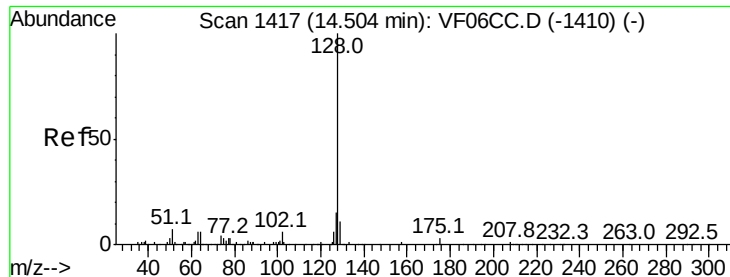
MMDadoda
 6/4/2019 8:45:23 AM



#94
 Hexachlorobutadiene
 Concen: 22.740 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062804.D
 Acq: 31 May 2019 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150786		
223	61.1	30.8	92.4	
227	66.0	31.9	95.5	





#95

Naphthalene

Concen: 22.957 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Instrument :

MSVOA_F

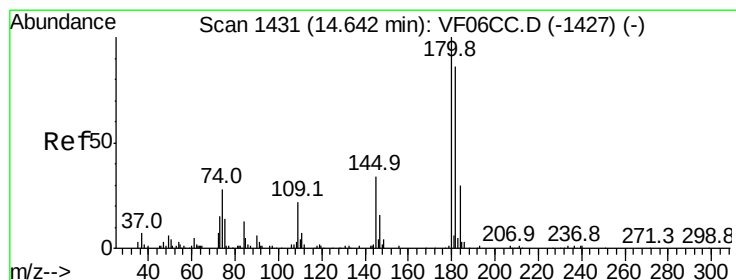
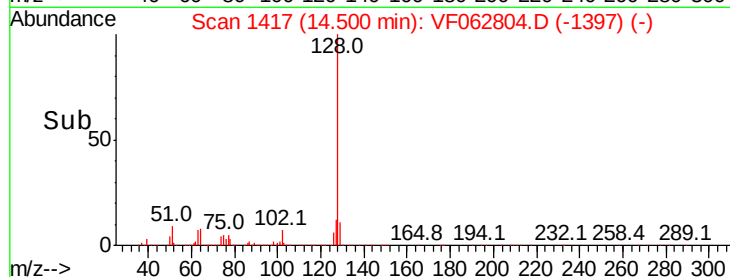
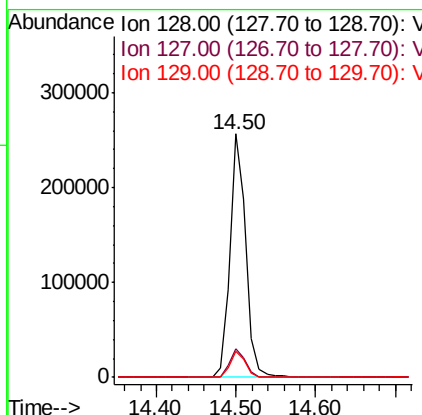
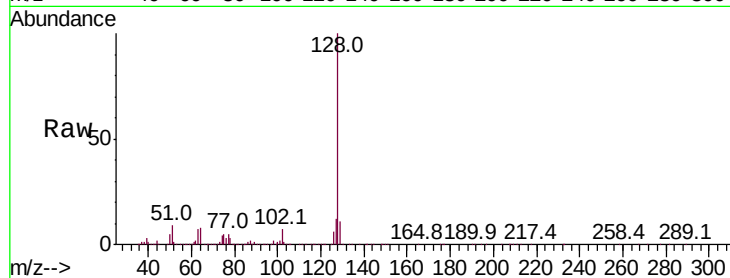
ClientSampleId :

VF0531SBS01

Tot Ion:	128	Resp:	360494
Ion Ratio	Lower	Upper	
128	100		
127	11.5	9.7	14.5
129	10.9	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 8:45:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.696 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062804.D

Acq: 31 May 2019 13:01

Tgt Ion:	180	Resp:	198576
Ion Ratio	Lower	Upper	
180	100		
182	92.2	48.6	145.9
145	28.4	15.7	47.0

