

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062632.D
 Acq On : 17 May 2019 11:48
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:51:51 PM

Quant Time: May 17 16:11:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	938338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1562806	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1260975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	518056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	304177	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	4.31	113	571377	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	7.72	98	1325850	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	11.50	95	429005	39.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	226769	17.759	ug/l	99
3) Chloromethane	1.15	50	210532	17.906	ug/l	97
4) Vinyl Chloride	1.20	62	207891	19.208	ug/l	100
5) Bromomethane	1.40	94	101069	17.070	ug/l	87
6) Chloroethane	1.44	64	63502	15.976	ug/l	90
7) Trichlorofluoromethane	1.57	101	258309	17.775	ug/l	92
8) Diethyl Ether	1.72	74	50940	17.694	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.91	101	156615	16.925	ug/l	95
10) Methyl Iodide	1.98	142	324600	17.857	ug/l	95
11) Tert butyl alcohol	2.72	59	48289	110.307	ug/l #	92
12) 1,1-Dichloroethene	1.88	96	143345	17.005	ug/l	97
13) Acrolein	2.11	56	42180	92.304	ug/l	99
14) Allyl chloride	2.20	41	173680	22.766	ug/l	98
15) Acrylonitrile	3.09	53	111952	90.659	ug/l	96
16) Acetone	2.36	43	121678	70.733	ug/l	98
17) Carbon Disulfide	1.93	76	434759m	17.401	ug/l	
18) Methyl Acetate	2.47	43	46271	17.117	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	309121	20.514	ug/l	97
20) Methylene Chloride	2.34	84	157079	18.217	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	158470	19.234	ug/l	94
22) Diisopropyl ether	2.94	45	392177	20.843	ug/l	99
23) Vinyl Acetate	3.36	43	1361723	107.283	ug/l	100
24) 1,1-Dichloroethane	3.02	63	288926	20.931	ug/l	99
25) 2-Butanone	4.54	43	340860	92.744	ug/l	97
26) 2,2-Dichloropropane	3.79	77	198145	25.088	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	281983	20.807	ug/l	90
28) Bromochloromethane	3.91	49	147547	19.059	ug/l	95
29) Tetrahydrofuran	4.28	42	143662	96.595	ug/l	97
30) Chloroform	4.07	83	436759	22.790	ug/l	100
31) Cyclohexane	3.89	56	402271	21.704	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	288760	22.687	ug/l	96
36) 1,1-Dichloropropene	4.48	75	328954	20.542	ug/l	96
37) Ethyl Acetate	4.31	43	133159	20.365	ug/l #	96
38) Carbon Tetrachloride	4.20	117	255628m	21.225	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	398540	20.683	ug/l	97
40) Benzene	4.84	78	906272	20.774	ug/l	100
41) Methacrylonitrile	4.94	41	69810	20.365	ug/l	93
42) 1,2-Dichloroethane	5.14	62	172818	19.865	ug/l	99
43) Isopropyl Acetate	7.12	43	157054	18.540	ug/l #	93
44) Trichloroethene	5.69	130	268135	21.868	ug/l	100
45) 1,2-Dichloropropane	6.42	63	222045	20.162	ug/l	97
46) Dibromomethane	6.27	93	130758	20.545	ug/l	98
47) Bromodichloromethane	6.56	83	271198	20.525	ug/l	95
48) Methyl methacrylate	6.90	41	81574	18.424	ug/l	93
49) 1,4-Dioxane	6.88	88	22365	394.387	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	539634	93.198	ug/l	97
52) Toluene	7.79	92	505391	22.089	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	228110	21.102	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	323859	21.402	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	143101	21.124	ug/l	98
56) Ethyl methacrylate	8.77	69	162700	20.159	ug/l	92
57) 1,3-Dichloropropane	9.01	76	245654	21.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	265823	101.187	ug/l	98
59) 2-Hexanone	9.64	43	387074	91.444	ug/l	93
60) Dibromochloromethane	8.87	129	177672	20.123	ug/l	97
61) 1,2-Dibromoethane	9.14	107	157762	21.925	ug/l	97
64) Tetrachloroethene	8.32	164	190805	19.100	ug/l	97
65) Chlorobenzene	9.94	112	524579	21.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	215285	21.653	ug/l	99
67) Ethyl Benzene	10.04	91	909400	21.136	ug/l	97
68) m/p-Xylenes	10.27	106	726375	44.919	ug/l	91
69) o-Xylene	10.83	106	305625	18.349	ug/l	99
70) Styrene	10.90	104	545989	21.567	ug/l	98
71) Bromoform	10.89	173	100266	20.135	ug/l #	94
73) Isopropylbenzene	11.22	105	807236	21.741	ug/l	96
74) N-amyl acetate	11.45	43	200072	17.691	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	161724	21.313	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	103728	20.805	ug/l	96
77) Bromobenzene	11.59	156	204783	22.188	ug/l	98
78) n-propylbenzene	11.68	91	1011163	23.011	ug/l	92
79) 2-Chlorotoluene	11.80	91	561968	22.693	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	627775	21.086	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	42453m	19.156	ug/l	
82) 4-Chlorotoluene	11.98	91	523783	21.448	ug/l	99
83) tert-Butylbenzene	12.20	119	664208	21.990	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	520826	18.074	ug/l	90
85) sec-Butylbenzene	12.38	105	890145	21.959	ug/l	99
86) p-Isopropyltoluene	12.52	119	763321	22.344	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	378430	22.663	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	334672	21.358	ug/l	96
89) n-Butylbenzene	12.90	91	768204	22.807	ug/l	90
90) Hexachloroethane	12.98	117	173159	21.130	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	318668	21.410	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20565	22.718	ug/l	78

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	226814	21.289	ug/l	99
94) Hexachlorobutadiene	14.24	225	161160	21.675	ug/l	92
95) Naphthalene	14.50	128	351867	18.179	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	204510	20.265	ug/l	97

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

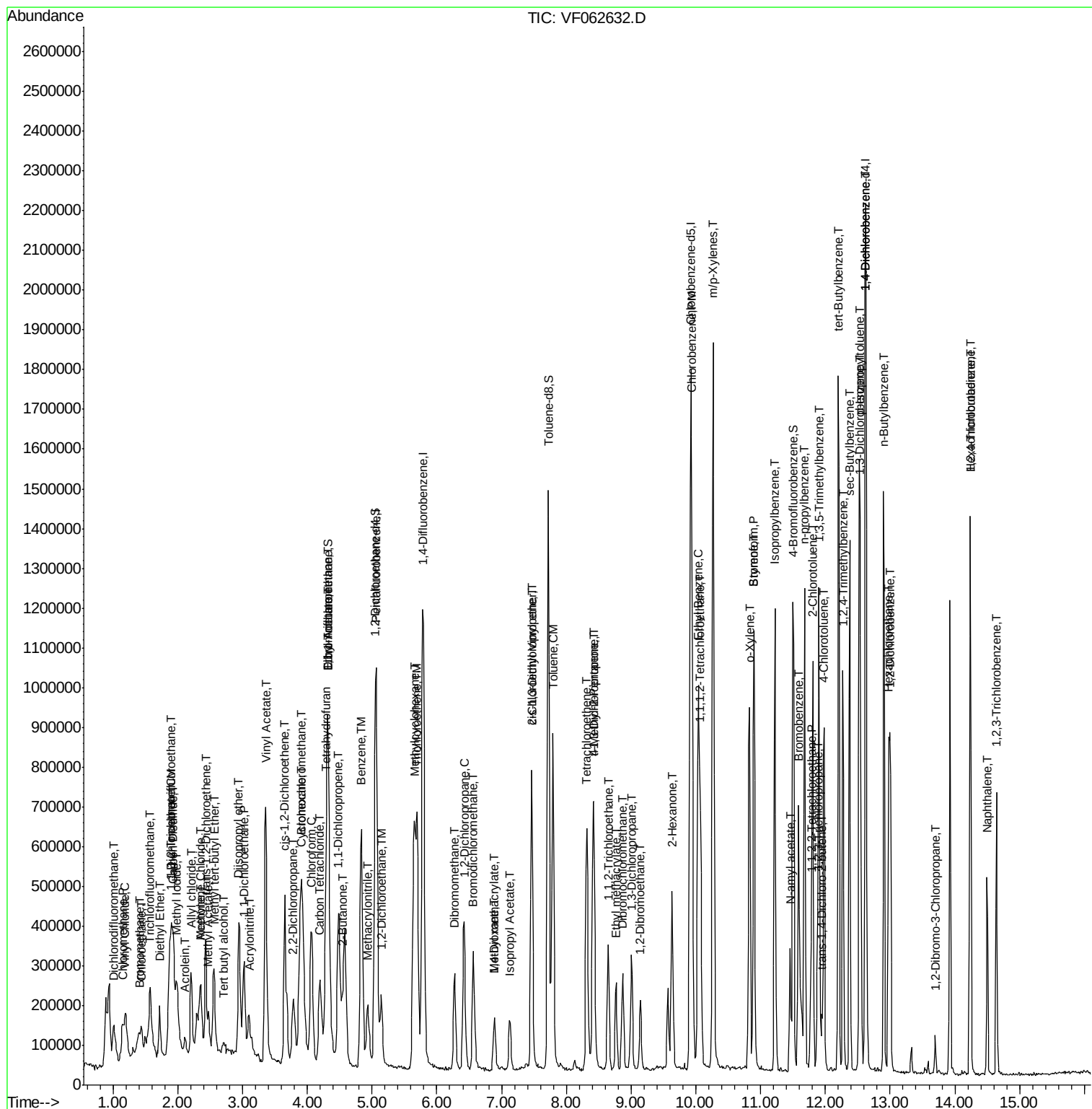
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
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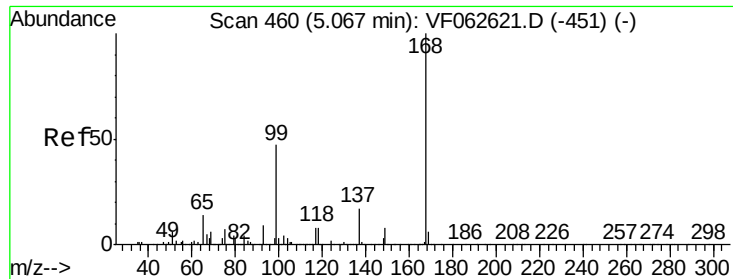
Instrument :
MSVOA_F
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:168 Resp: 938338

Ion Ratio Lower Upper

168 100

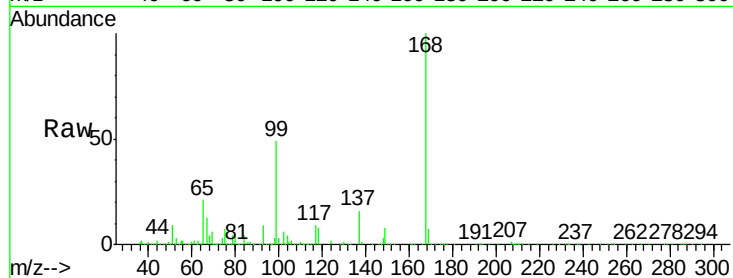
99 48.5 37.8 56.8

Manual Integrations

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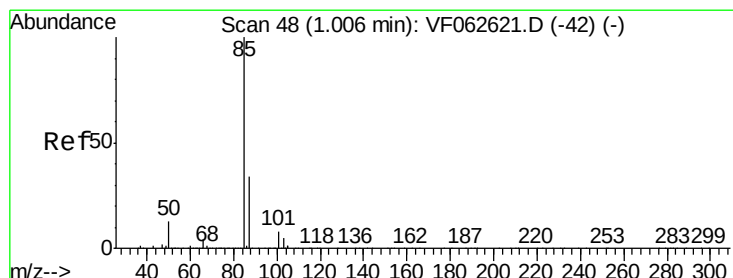
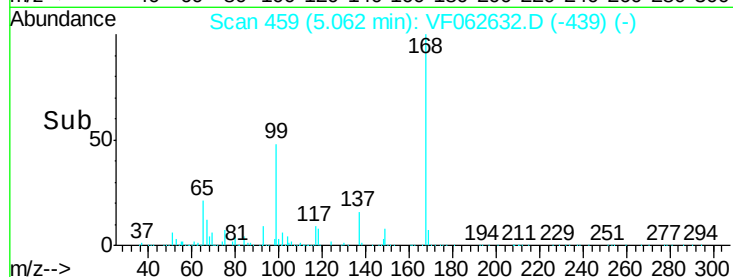
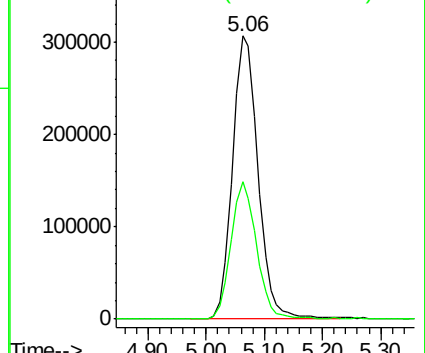
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5/20/2019 2:51:51 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 17.759 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062632.D

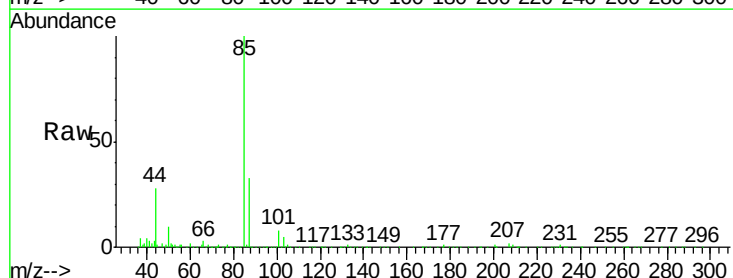
Acq: 17 May 2019 11:48

Tgt Ion: 85 Resp: 226769

Ion Ratio Lower Upper

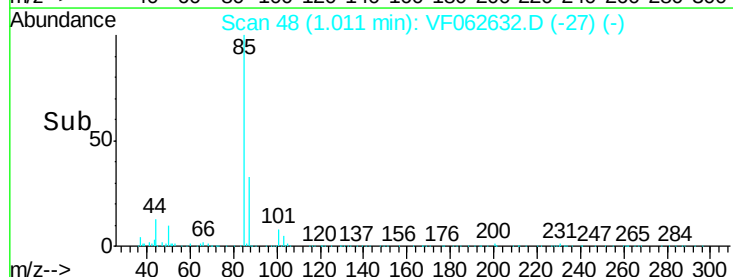
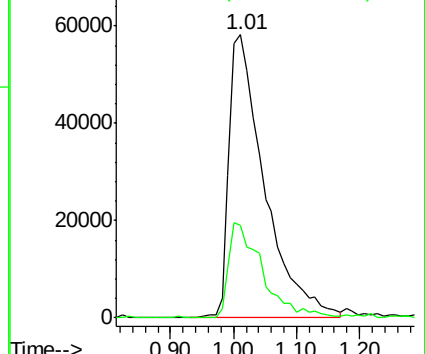
85 100

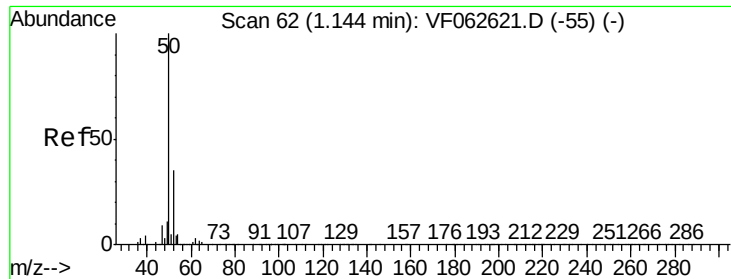
87 32.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 17.906 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 50 Resp: 210532

Ion Ratio Lower Upper

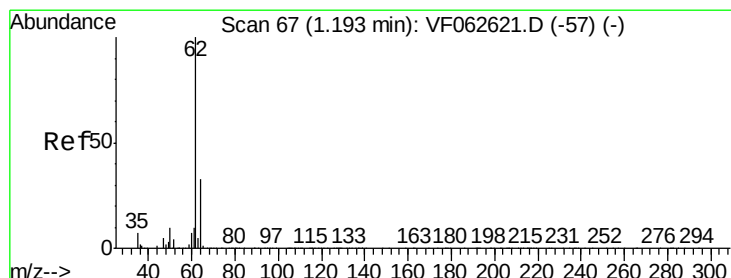
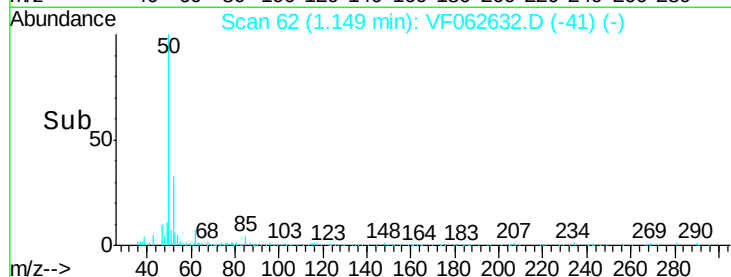
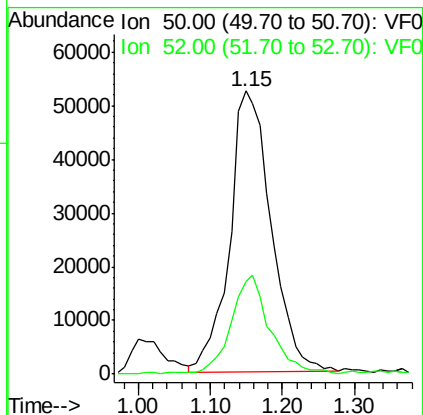
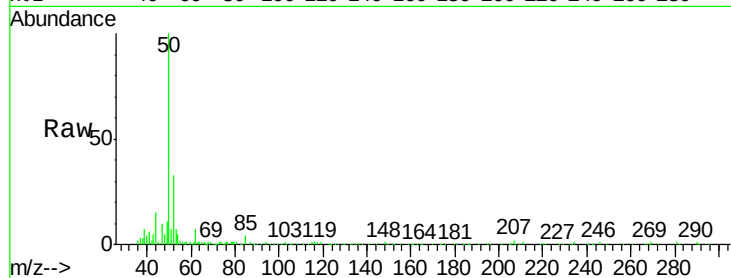
50 100

52 32.6 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.208 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062632.D

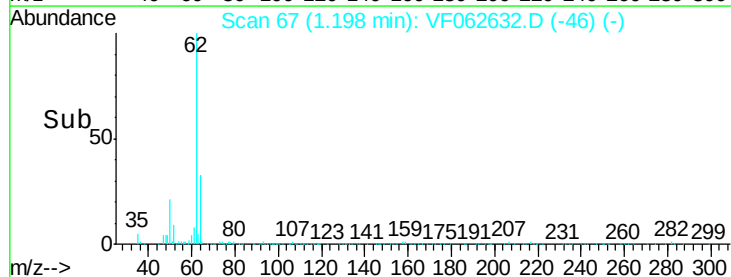
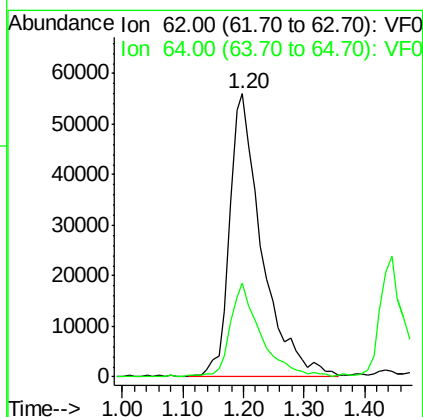
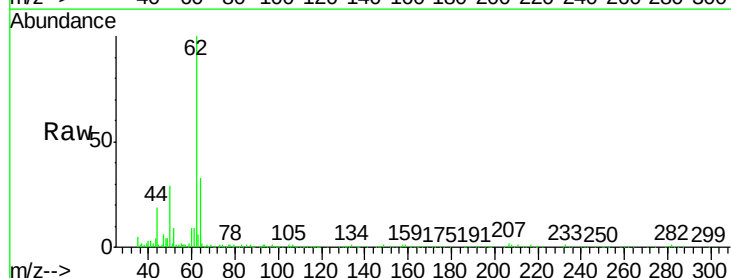
Acq: 17 May 2019 11:48

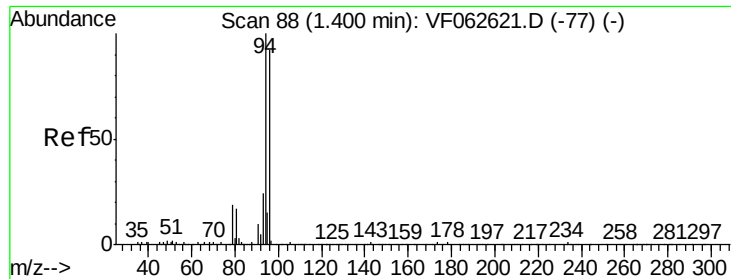
Tgt Ion: 62 Resp: 207891

Ion Ratio Lower Upper

62 100

64 33.4 26.7 40.1





#5

Bromomethane

Concen: 17.070 ug/l

RT: 1.40 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 94 Resp: 101069

Ion Ratio Lower Upper

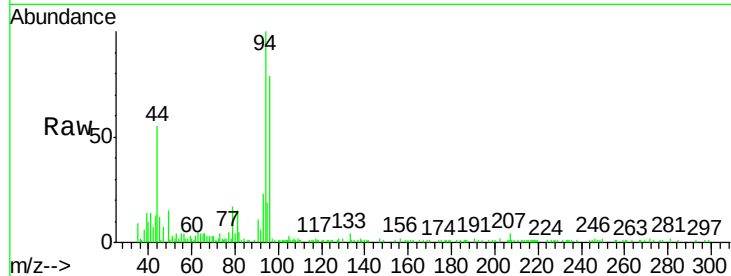
94 100

96 79.4 73.2 109.8

Manual Integrations
APPROVED

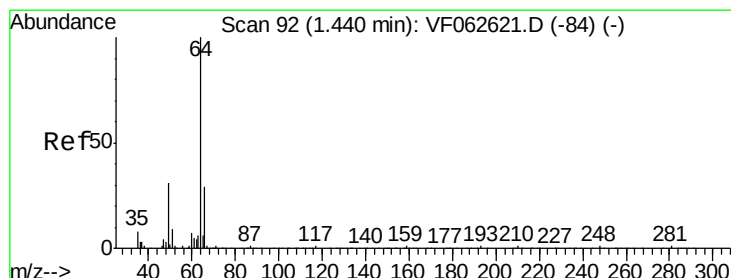
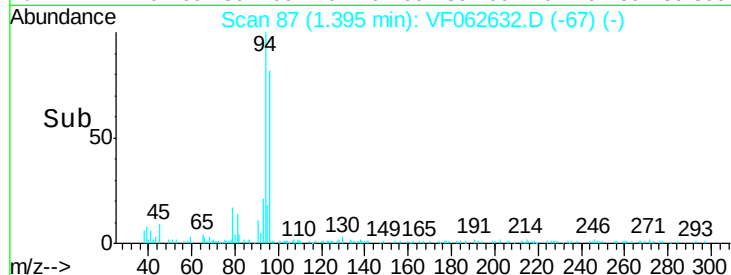
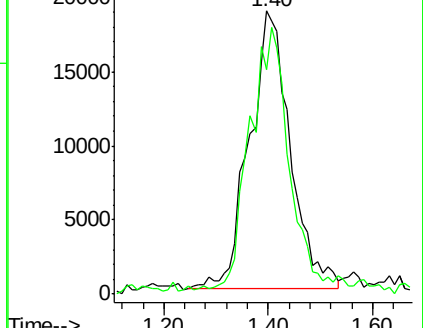
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 15.976 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062632.D

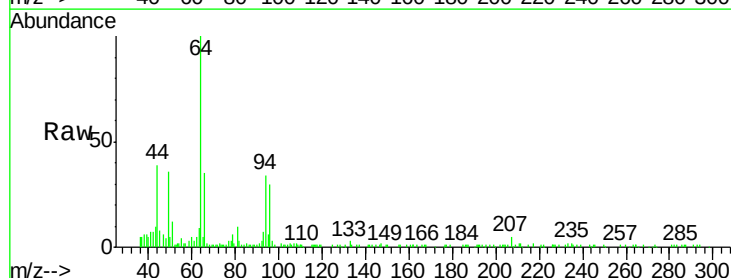
Acq: 17 May 2019 11:48

Tgt Ion: 64 Resp: 63502

Ion Ratio Lower Upper

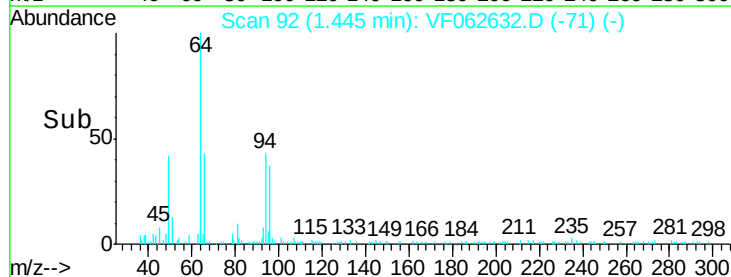
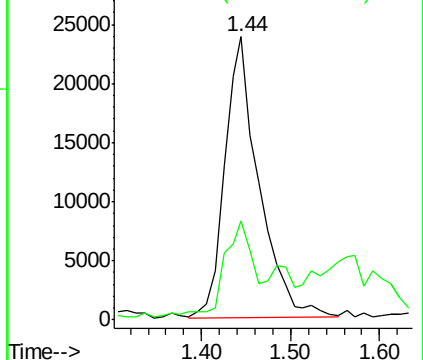
64 100

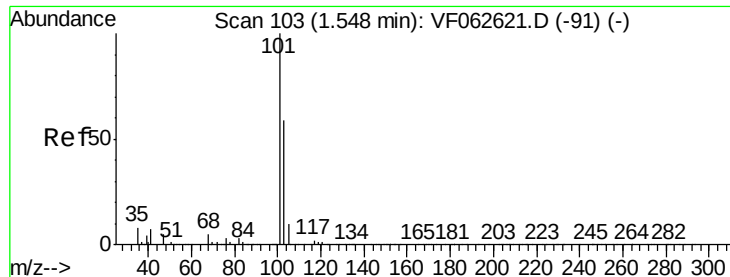
66 34.8 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

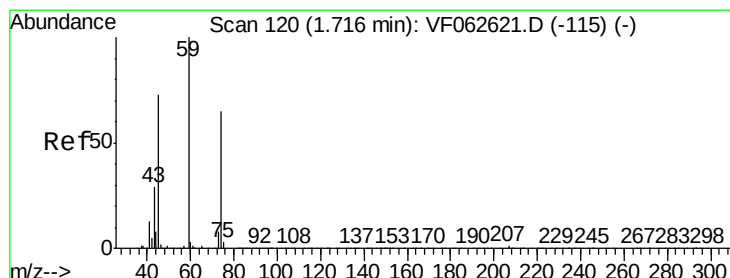
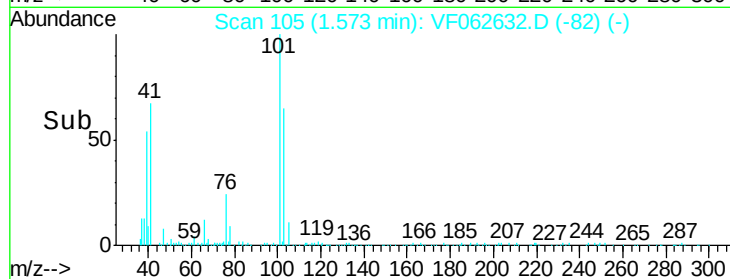
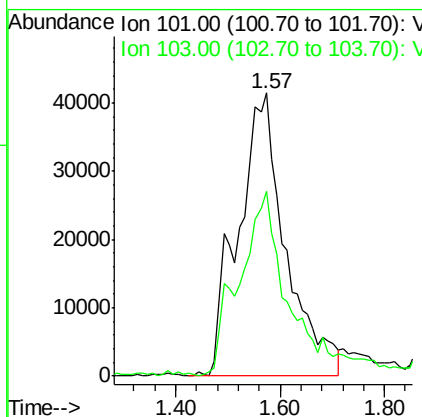
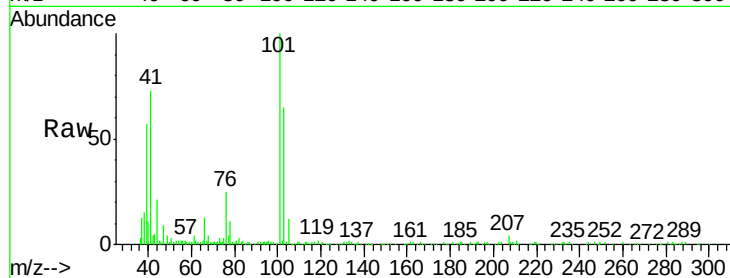
Trichlorofluoromethane
Concen: 17.775 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	47.3	70.9

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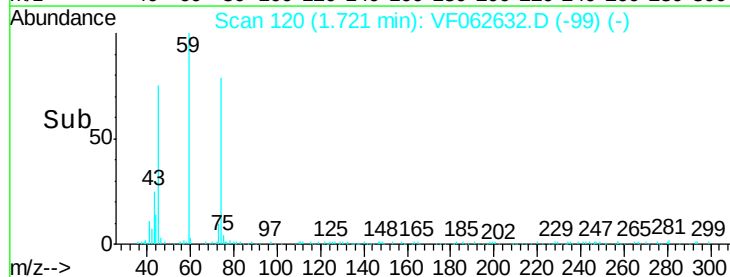
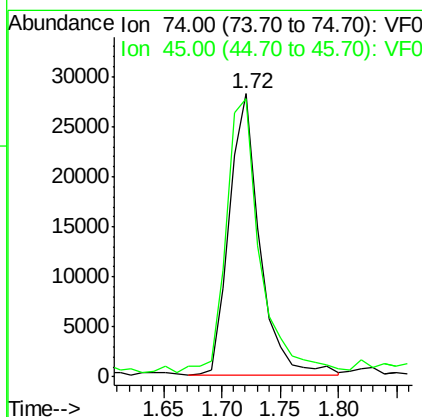
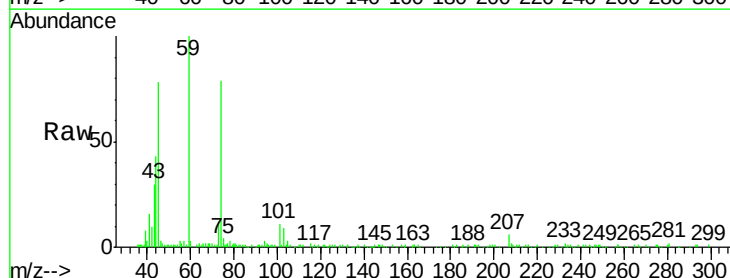
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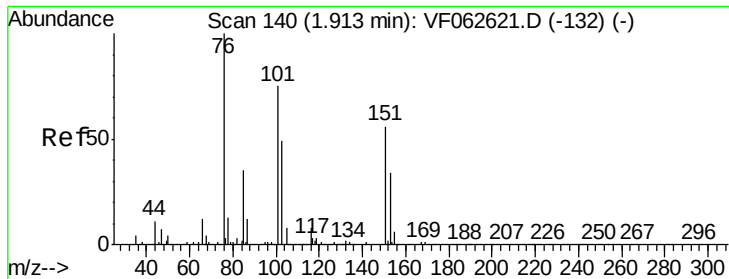


#8

Diethyl Ether
Concen: 17.694 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.925 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

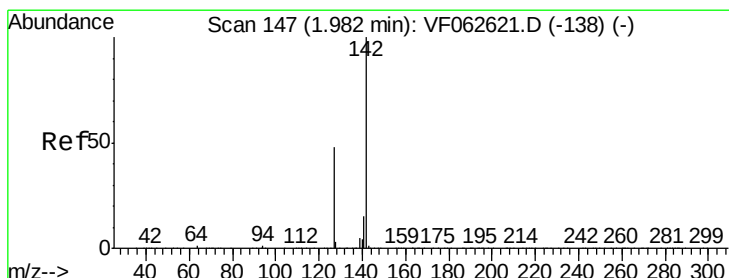
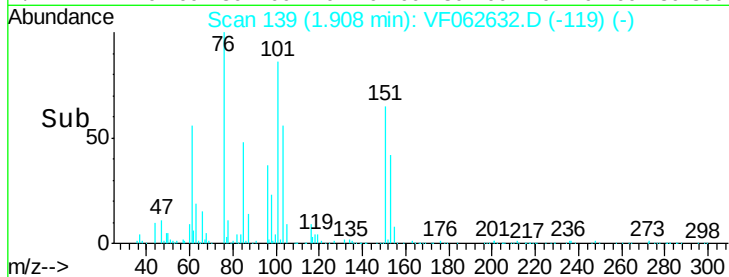
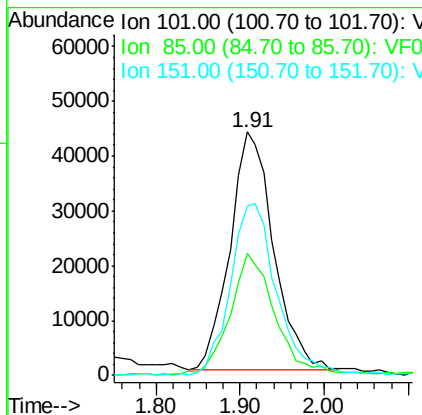
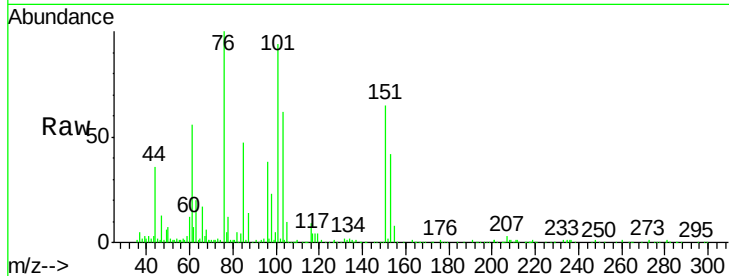
ClientSampleId :

VF0517SBS01

Tot Ion:	101	Resp:	156615
Ion Ratio	Lower	Upper	
101	100		
85	50.3	37.1	55.7
151	69.4	58.8	88.2

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#10

Methyl Iodide

Concen: 17.857 ug/l

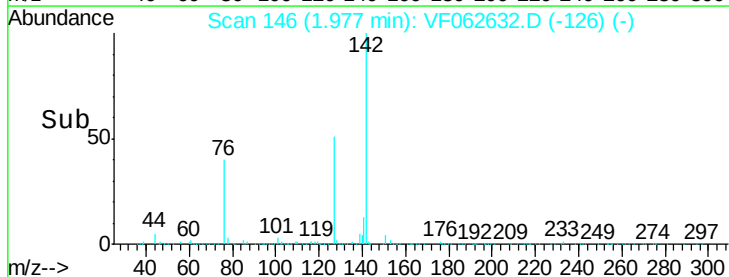
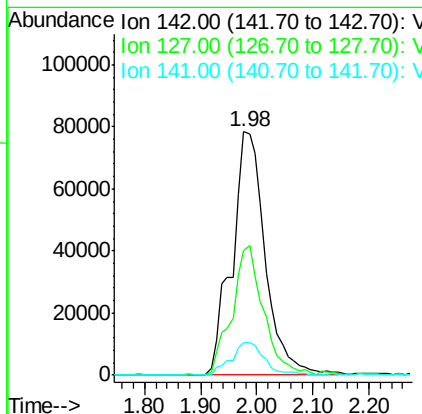
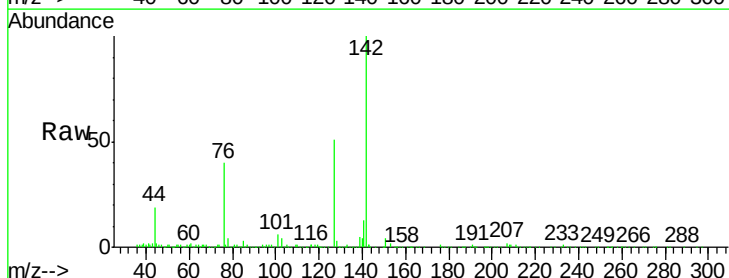
RT: 1.98 min Scan# 146

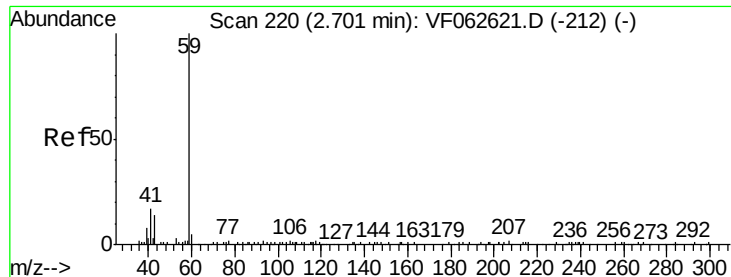
Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	142	Resp:	324600
Ion Ratio	Lower	Upper	
142	100		
127	51.0	38.1	57.1
141	13.4	11.7	17.5





#11

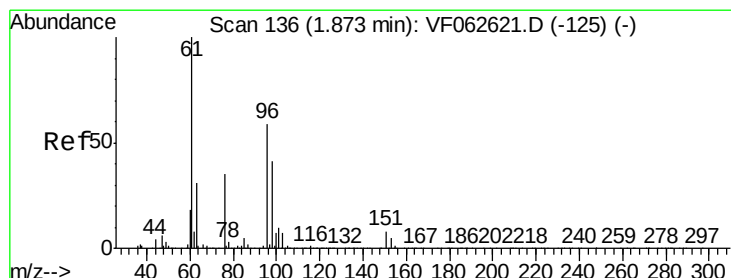
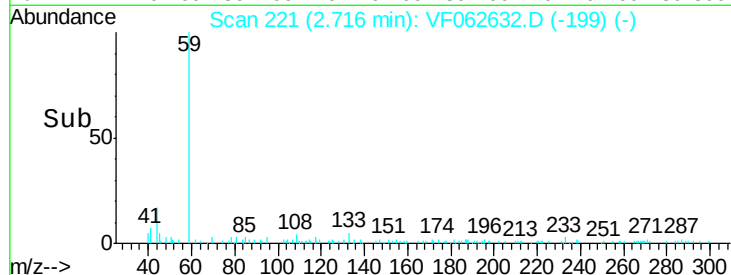
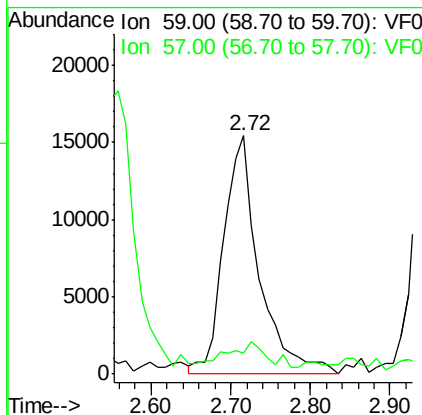
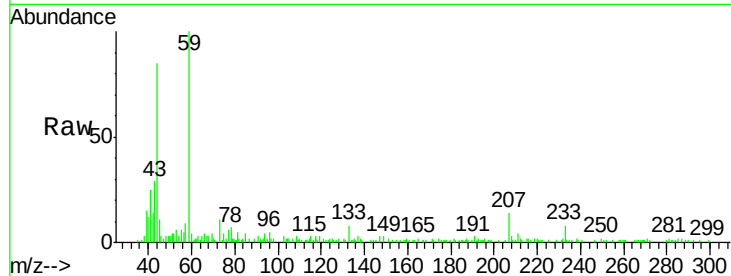
Tert butyl alcohol
 Concen: 110.307 ug/l
 RT: 2.72 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	9.3	13.9#

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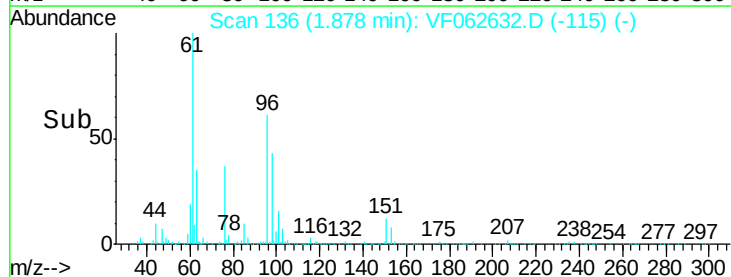
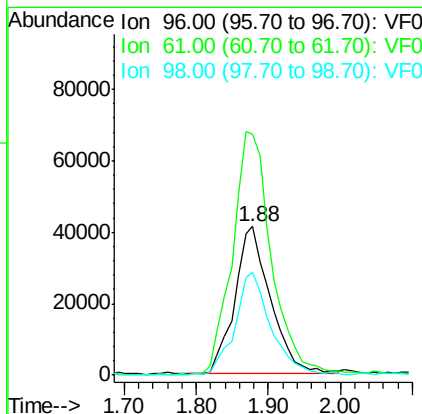
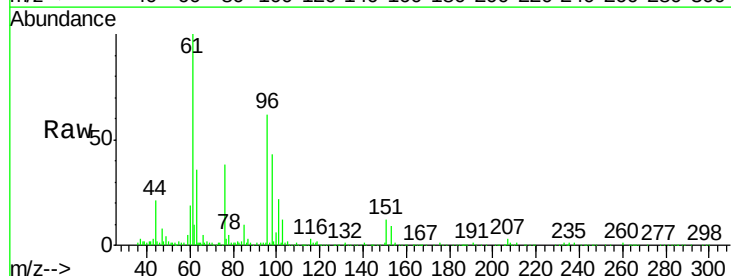
MMDadoda
 5/20/2019 2:51:51 PM

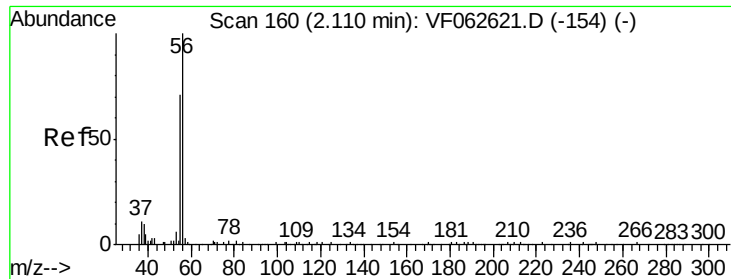


#12

1,1-Dichloroethene
 Concen: 17.005 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	134.3	201.5
98	69.5	55.0	82.6





#13

Acrolein

Concen: 92.304 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 56 Resp: 42180

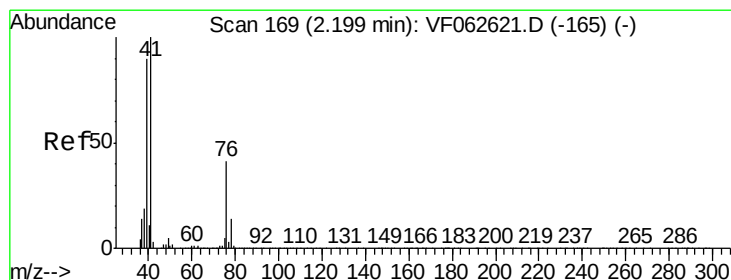
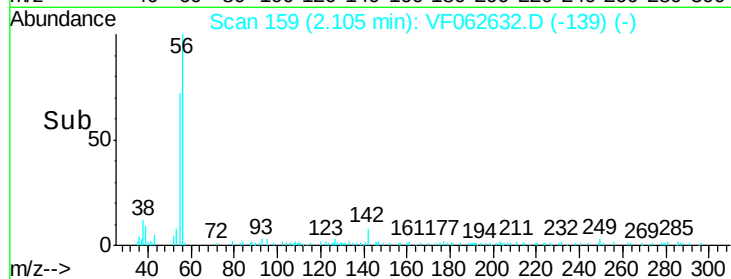
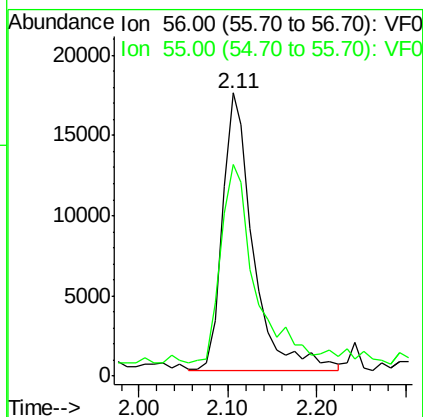
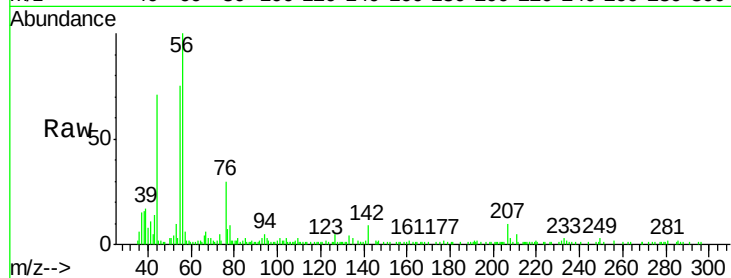
Ion Ratio Lower Upper

56 100

55 74.7 59.4 89.0

Manual Integrations
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#14

Allyl chloride

Concen: 22.766 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

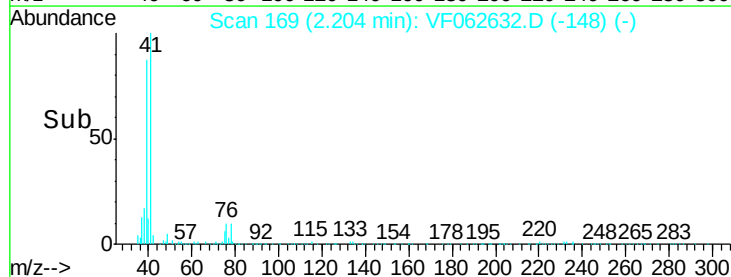
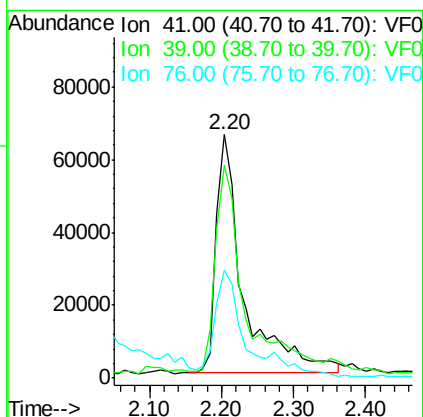
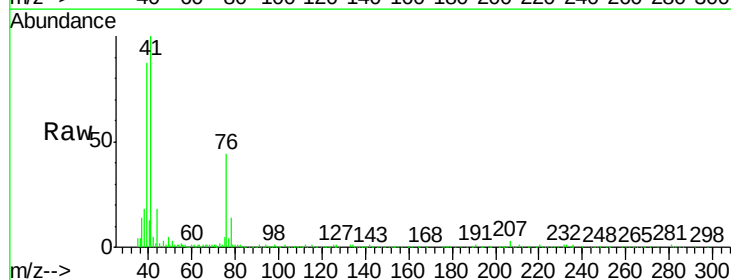
Tgt Ion: 41 Resp: 173680

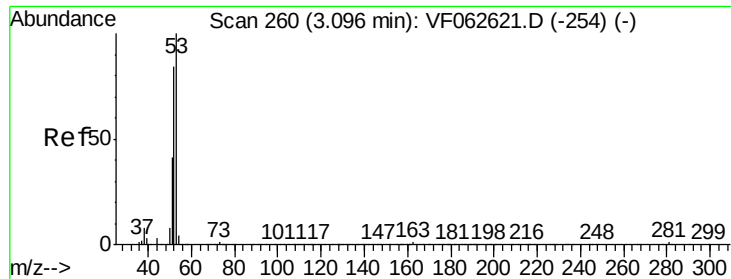
Ion Ratio Lower Upper

41 100

39 87.5 72.0 108.0

76 44.1 34.8 52.2





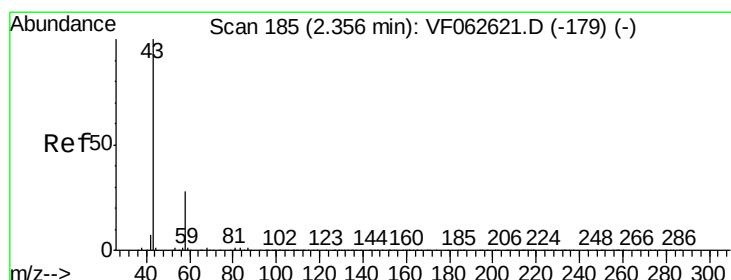
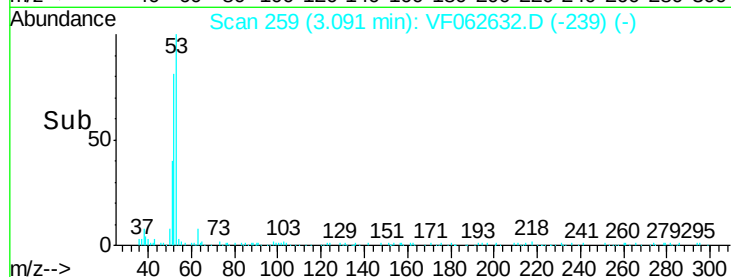
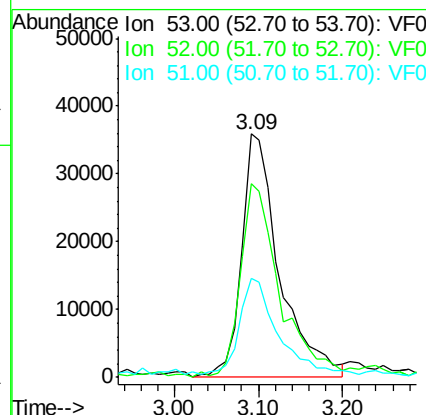
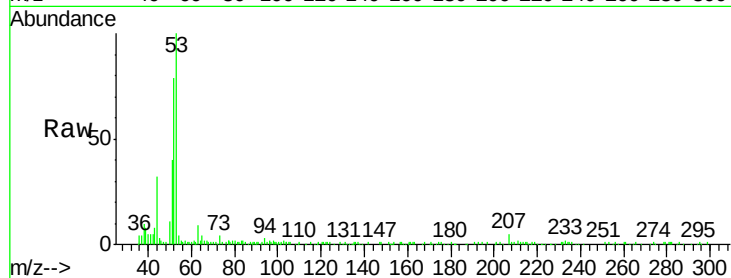
#15
 Acrylonitrile
 Concen: 90.659 ug/l
 RT: 3.09 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion:	53	Resp:	111952
Ion Ratio	Lower	Upper	
53	100		
52	79.3	67.3	100.9
51	40.5	33.0	49.6

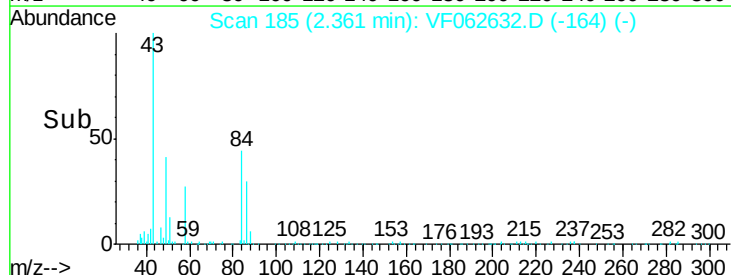
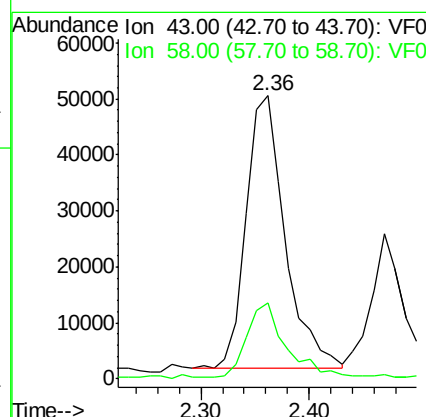
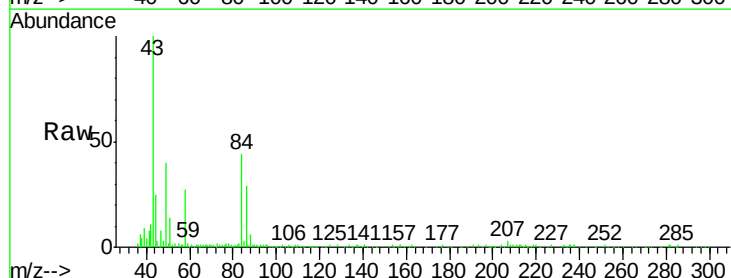
Manual Integrations
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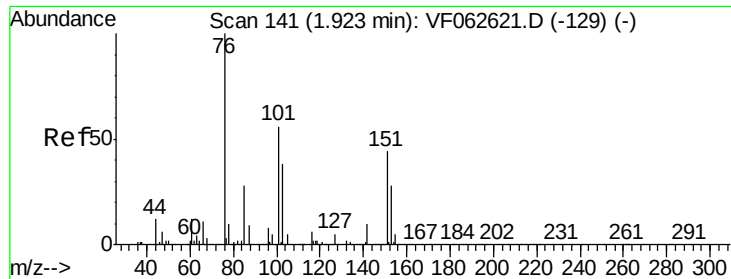
MMDadoda
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#16
 Acetone
 Concen: 70.733 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion:	43	Resp:	121678
Ion Ratio	Lower	Upper	
43	100		
58	27.0	22.6	33.8





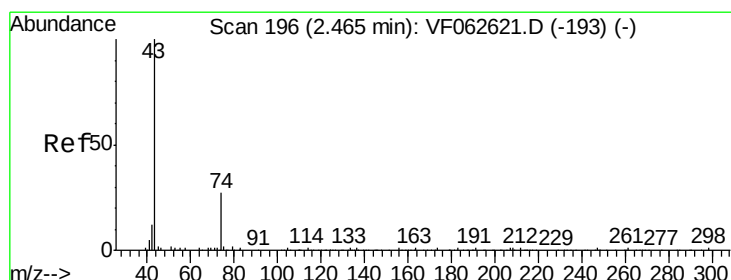
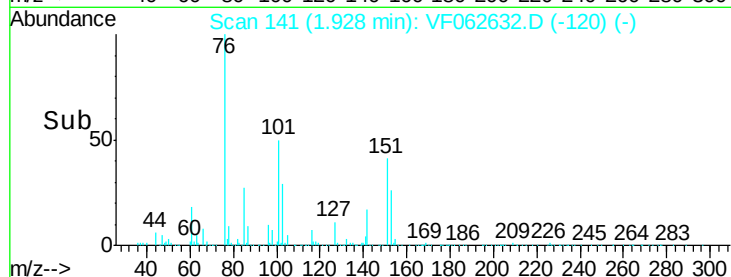
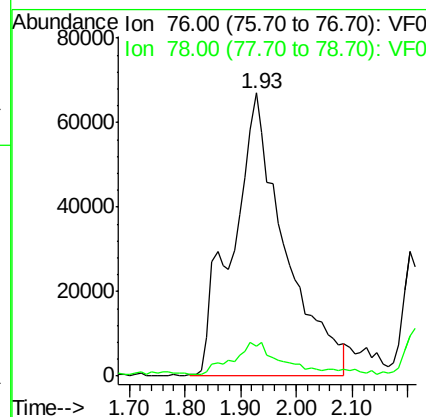
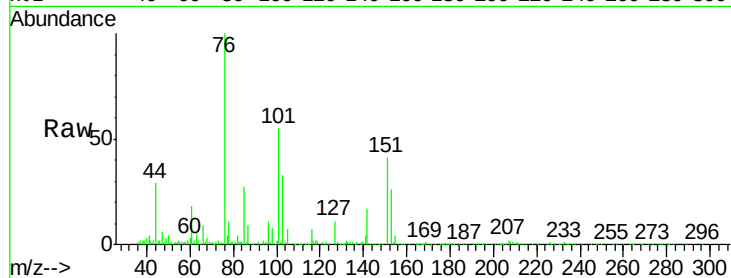
#17
Carbon Disulfide
Concen: 17.401 ug/l m
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion: 76 Resp: 434759
Ion Ratio Lower Upper
76 100
78 10.7 8.4 12.6

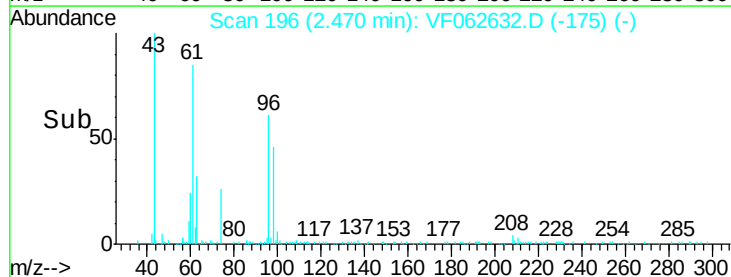
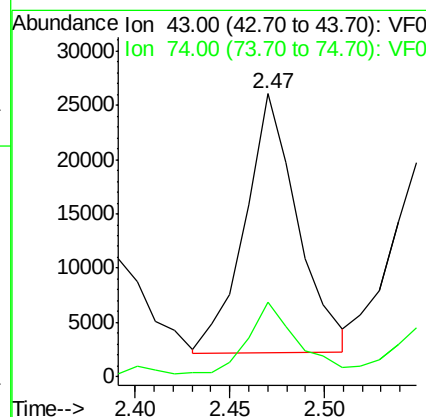
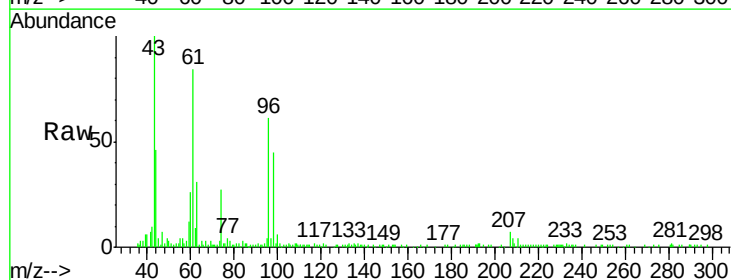
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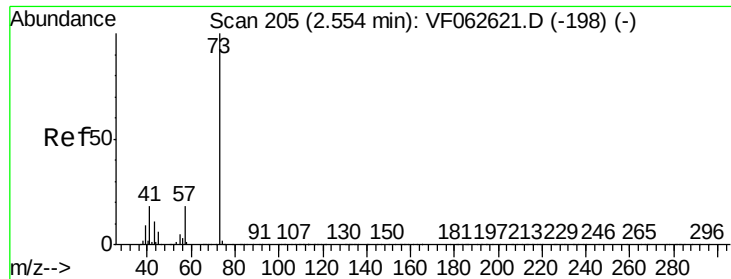
MMDadoda
5/20/2019 2:51:51 PM



#18
Methyl Acetate
Concen: 17.117 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion: 43 Resp: 46271
Ion Ratio Lower Upper
43 100
74 26.5 18.9 28.3





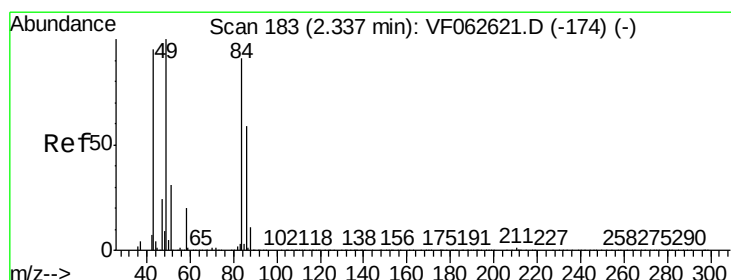
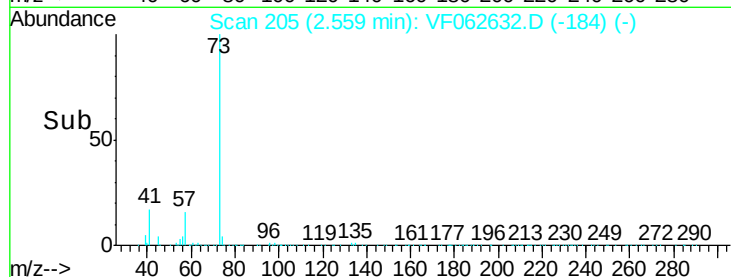
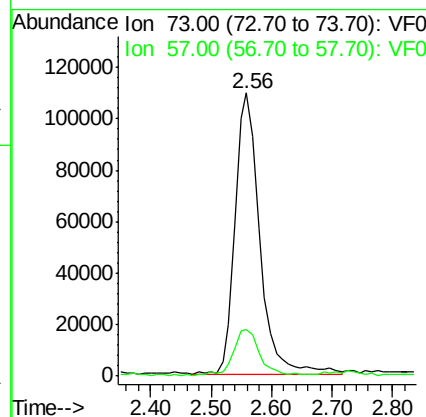
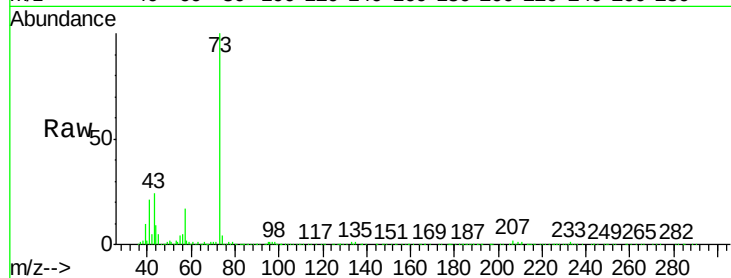
#19
Methyl tert-butyl Ether
Concen: 20.514 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.2	21.4

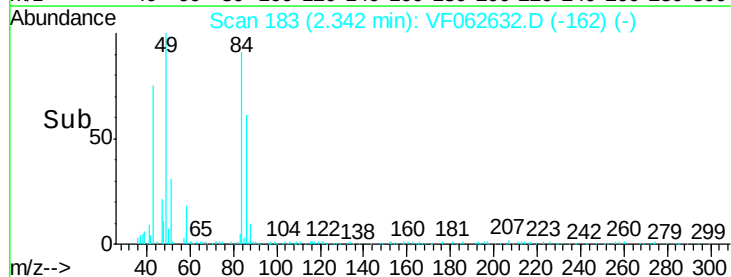
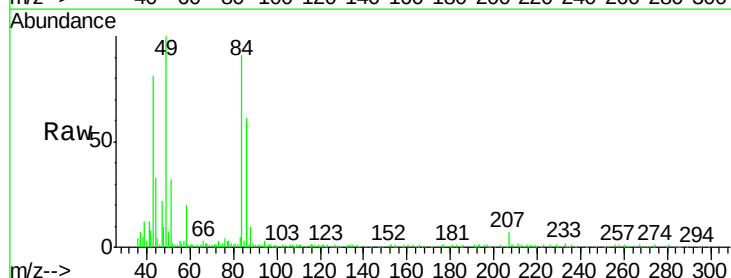
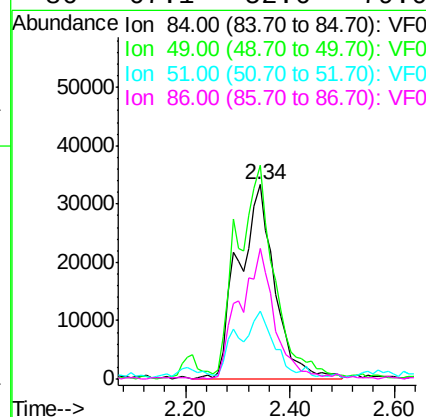
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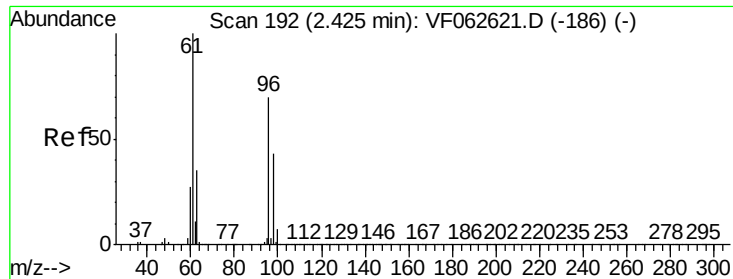
MMDadoda
5/20/2019 2:51:51 PM



#20
Methylene Chloride
Concen: 18.217 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.9	89.8	134.8
51	34.9	28.4	42.6
86	67.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.234 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

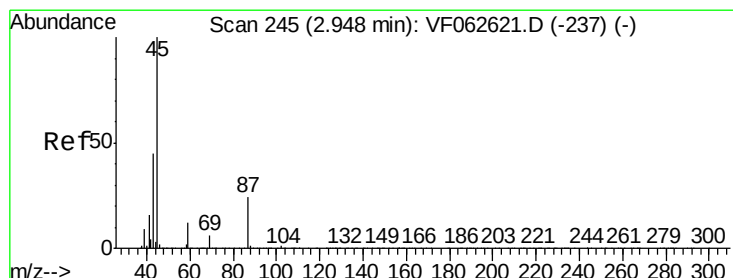
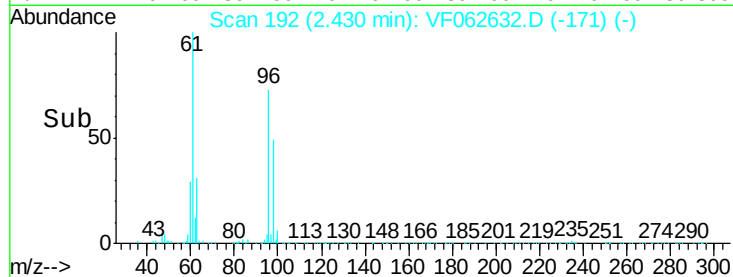
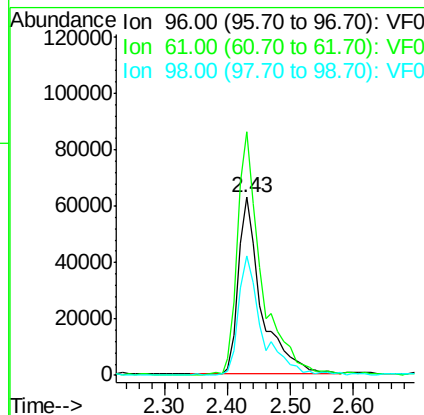
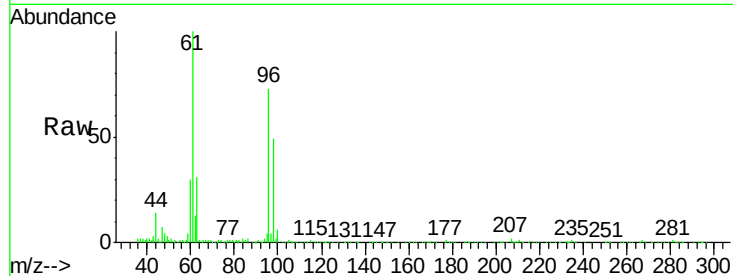
ClientSampleId :

VF0517SBS01

Tot Ion:	96	Resp:	158470
Ion Ratio	Lower	Upper	
96	100		
61	137.0	114.6	171.8
98	67.0	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.843 ug/l

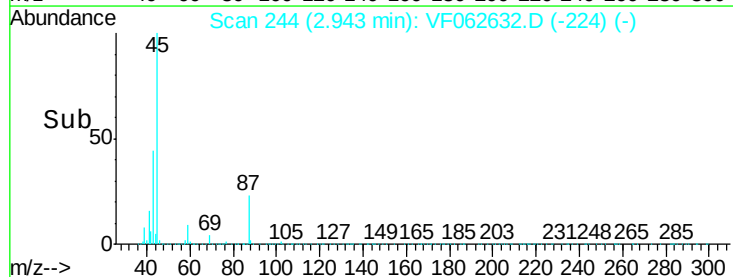
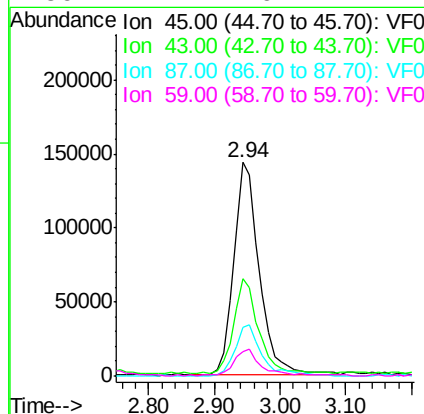
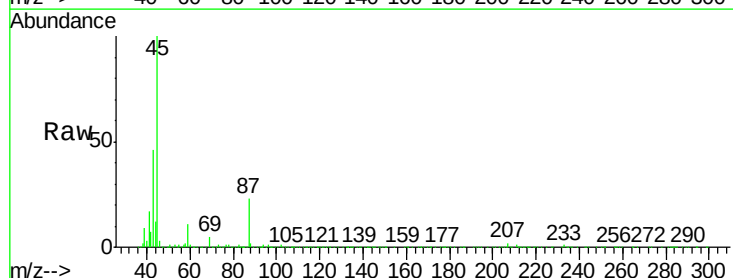
RT: 2.94 min Scan# 244

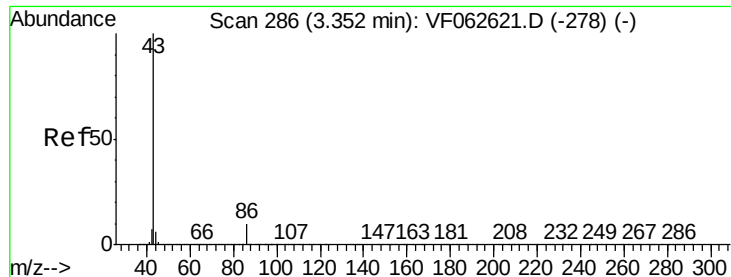
Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	45	Resp:	392177
Ion Ratio	Lower	Upper	
45	100		
43	45.6	36.4	54.6
87	22.7	19.3	28.9
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 107.283 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tot Ion: 43 Resp: 1361723

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2

Instrument :

MSVOA_F

ClientSampleId :

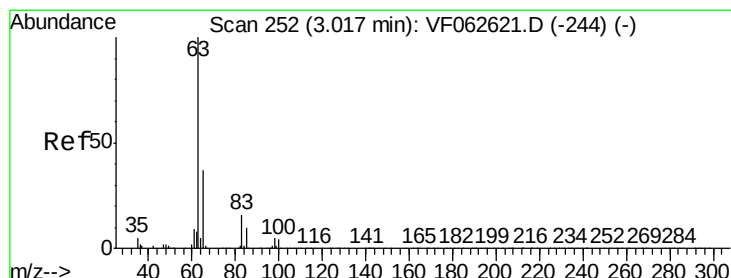
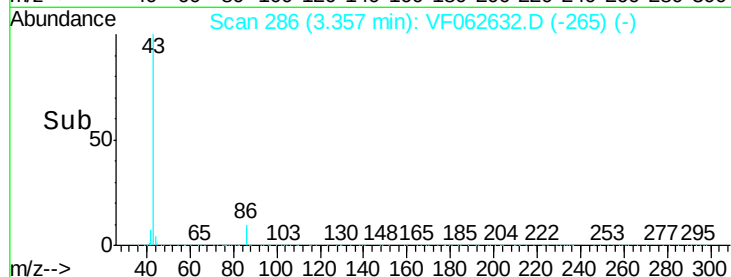
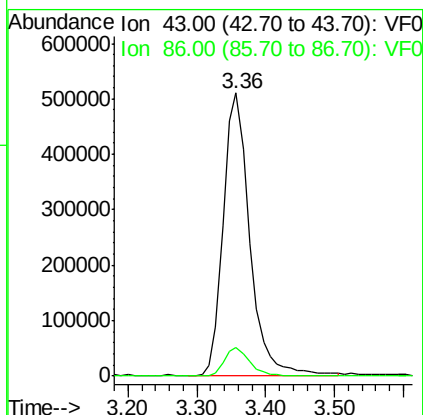
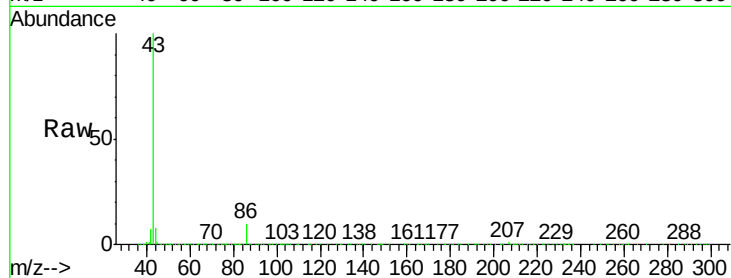
VF0517SBS01

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#24

1,1-Dichloroethane

Concen: 20.931 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

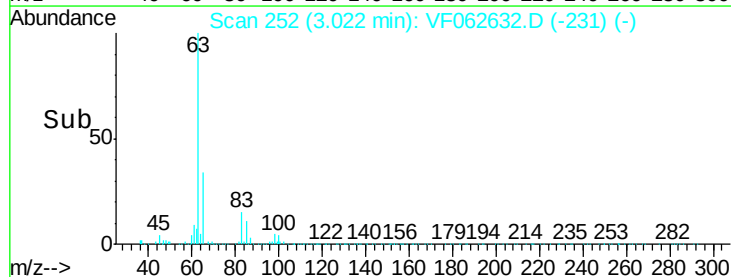
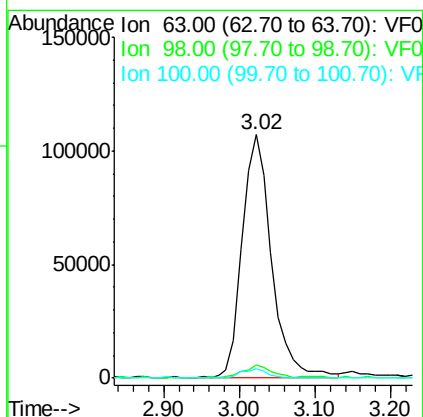
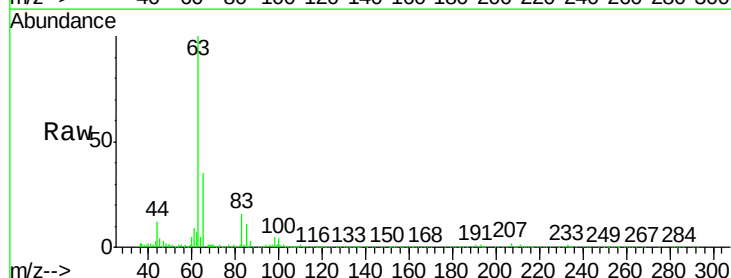
Tgt Ion: 63 Resp: 288926

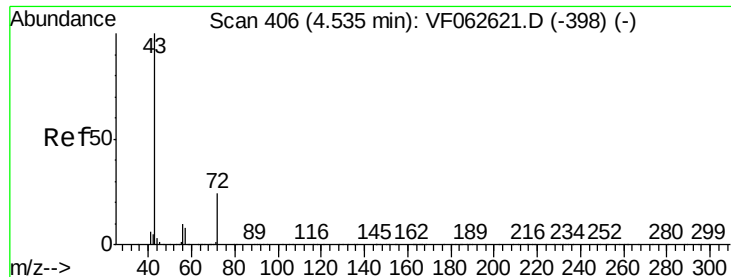
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 92.744 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 340860

Ion Ratio Lower Upper

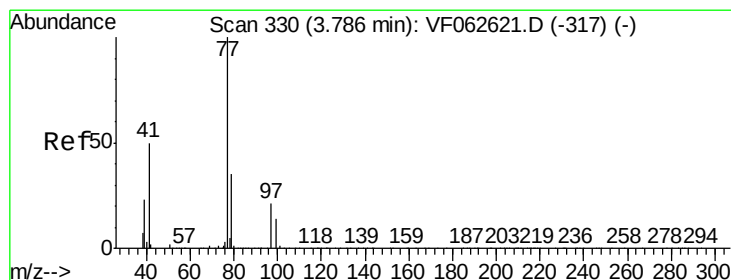
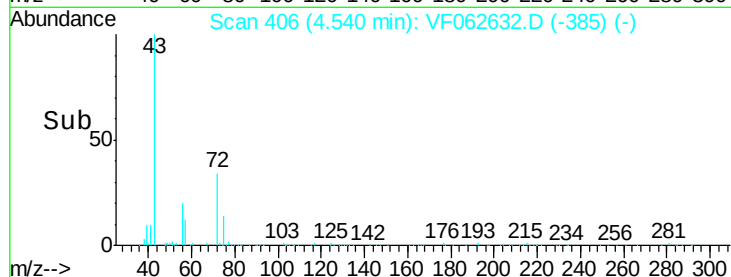
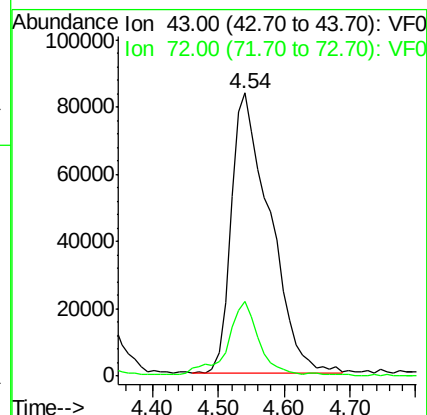
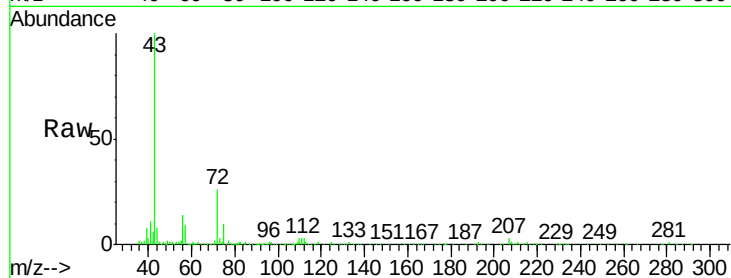
43 100

72 26.5 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 25.088 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062632.D

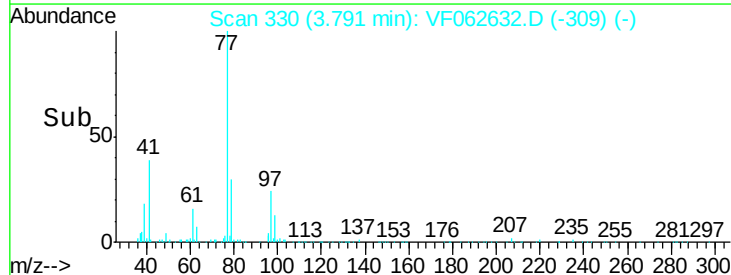
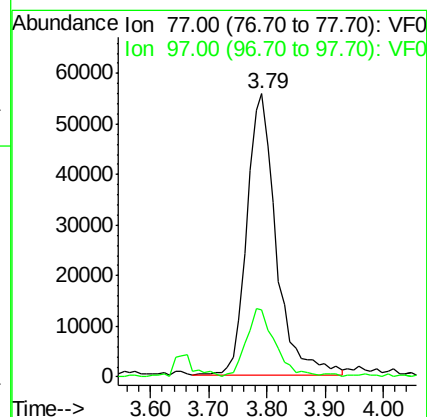
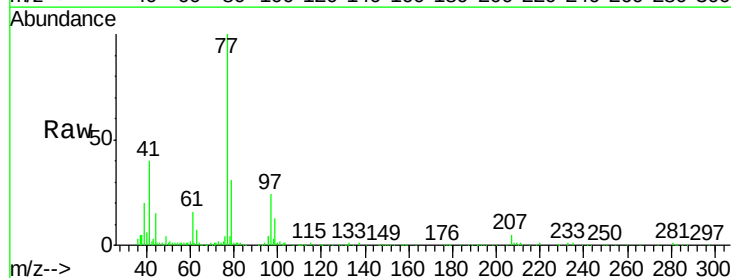
Acq: 17 May 2019 11:48

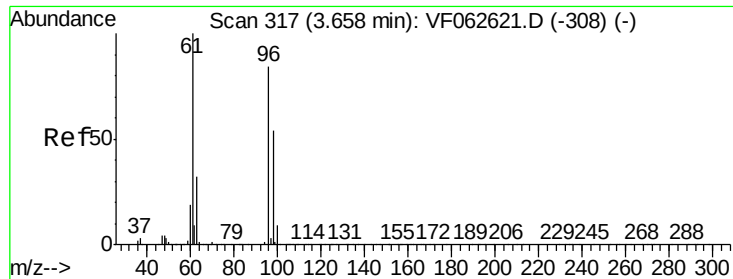
Tgt Ion: 77 Resp: 198145

Ion Ratio Lower Upper

77 100

97 23.9 14.1 42.4





#27

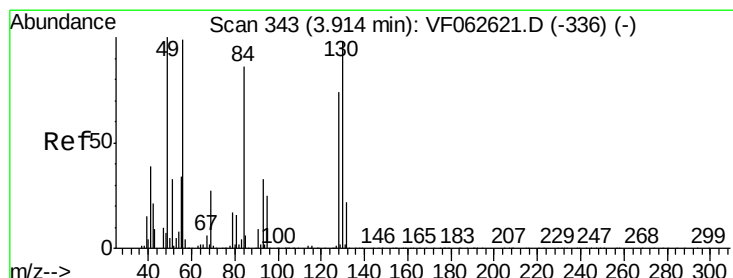
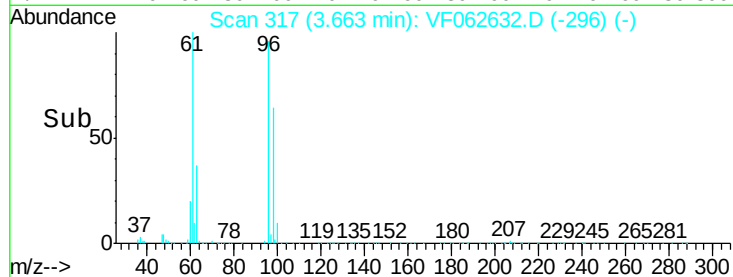
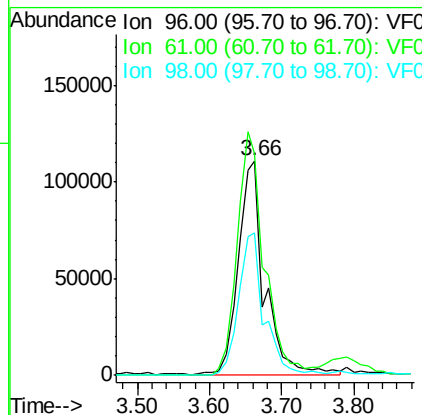
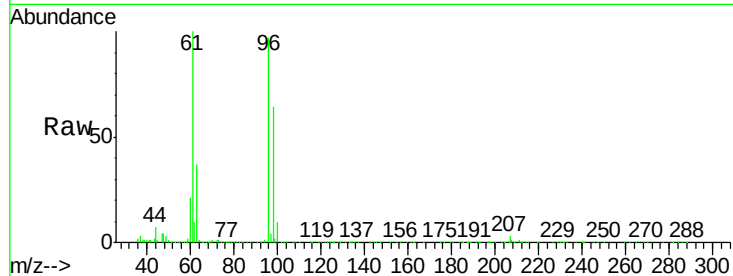
cis-1,2-Dichloroethene
Concen: 20.807 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	103.4	0.0	237.4
98	66.2	0.0	129.0

Manual Integrations
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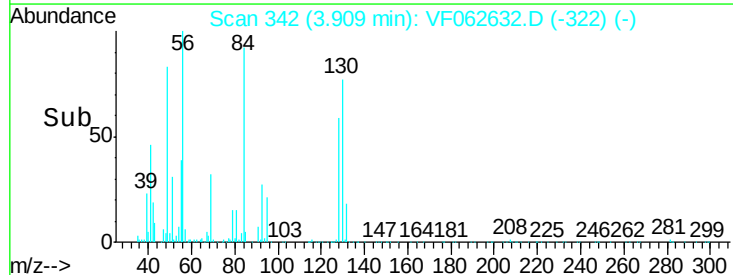
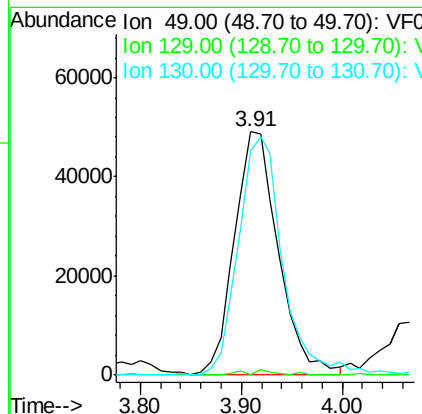
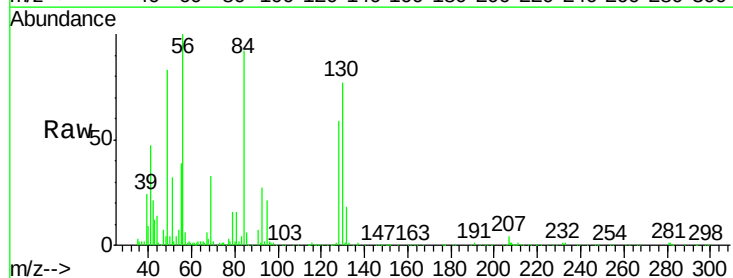
MMDadoda
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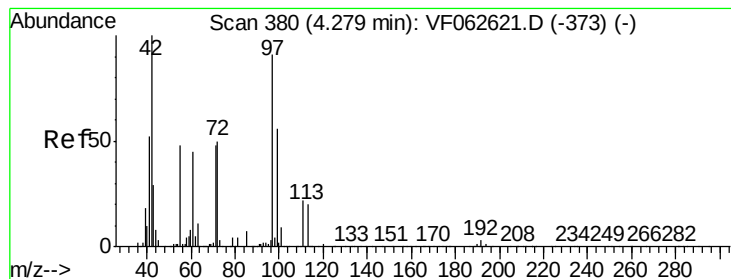


#28

Bromochloromethane
Concen: 19.059 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	0.0	0.0	4.0
130	92.1	77.8	116.8





#29

Tetrahydrofuran

Concen: 96.595 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

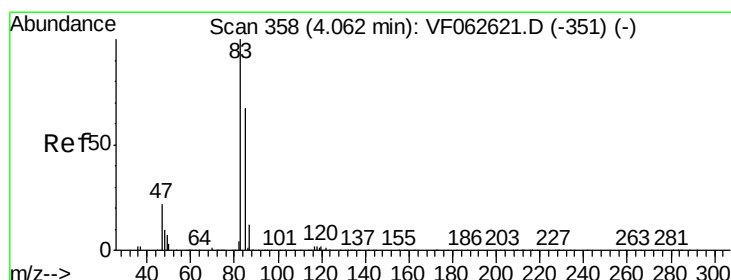
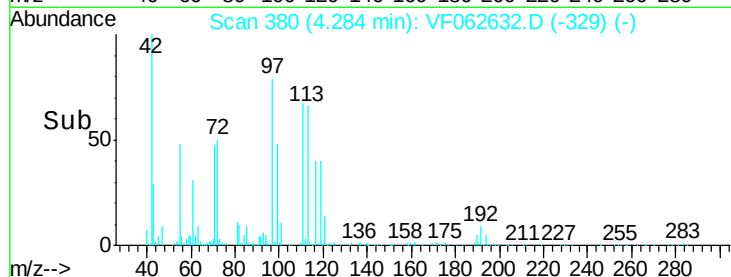
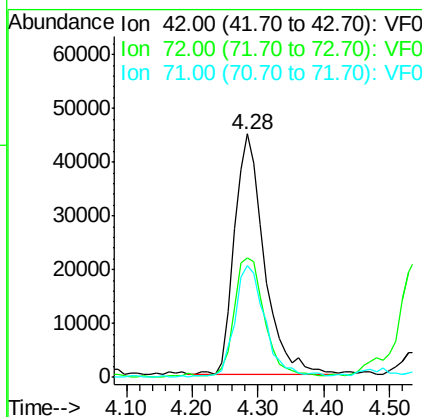
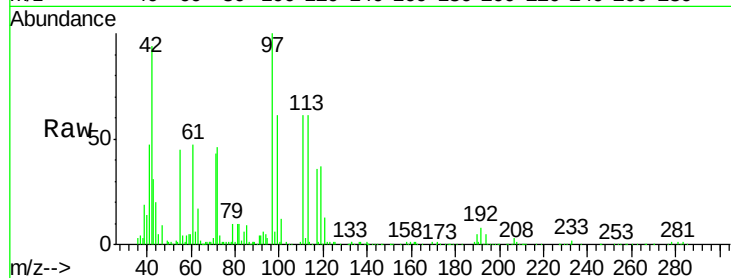
ClientSampleId :

VF0517SBS01

Tot Ion:	42	Resp:	143662
Ion Ratio		Lower	Upper
42	100		
72	49.2	38.2	57.2
71	46.7	35.8	53.6

Manual Integrations
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#30

Chloroform

Concen: 22.790 ug/l

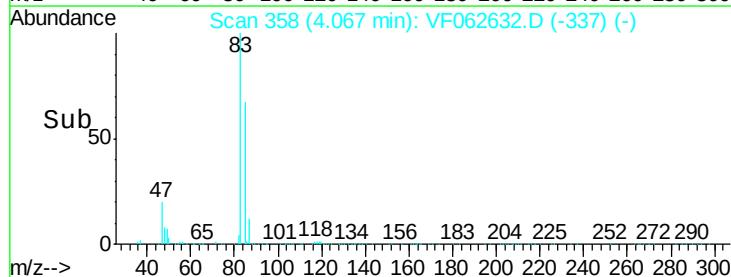
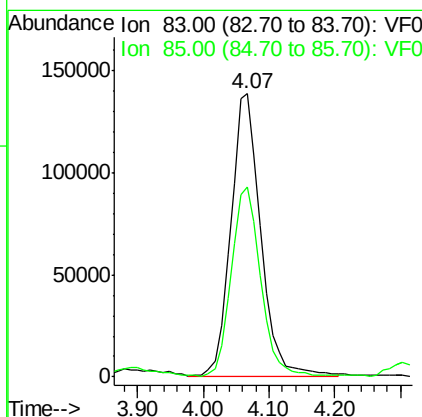
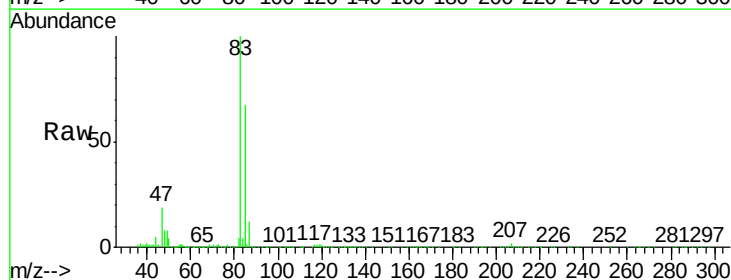
RT: 4.07 min Scan# 358

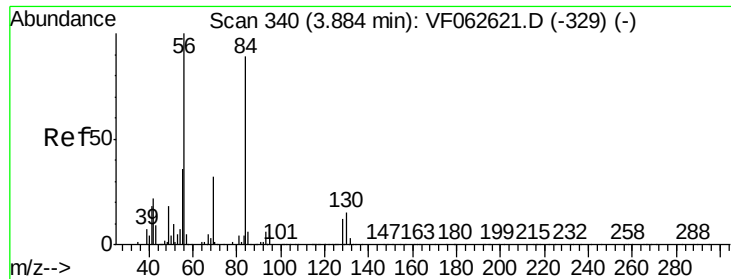
Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	83	Resp:	436759
Ion Ratio		Lower	Upper
83	100		
85	66.9	53.6	80.4





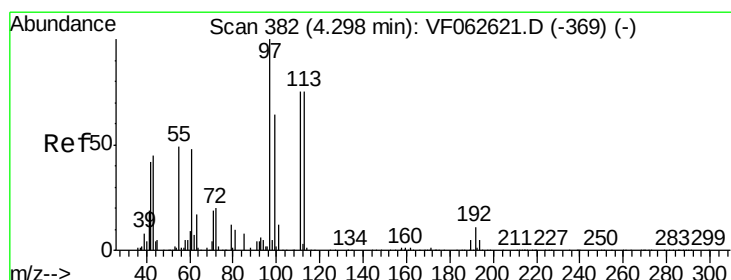
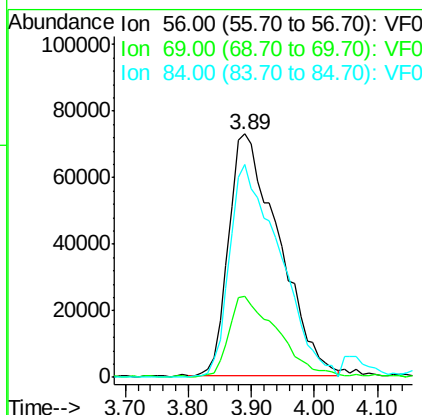
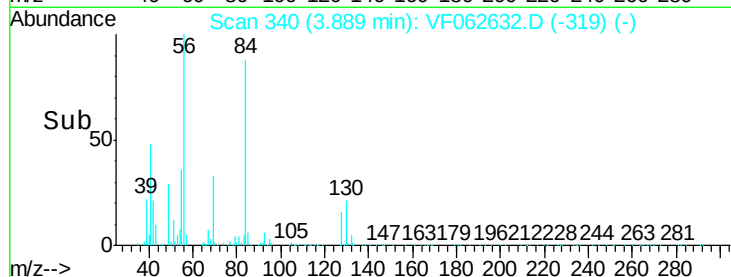
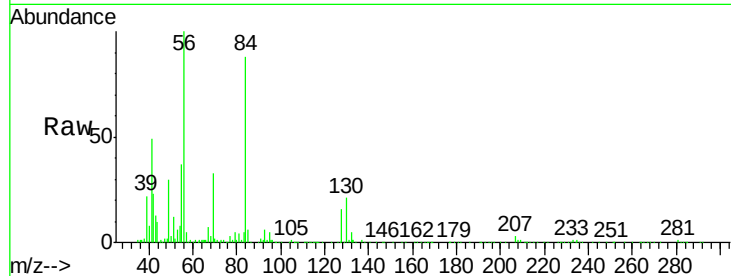
#31
Cyclohexane
Concen: 21.704 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		402271		
69	33.4	25.3	37.9		
84	87.7	71.0	106.4		

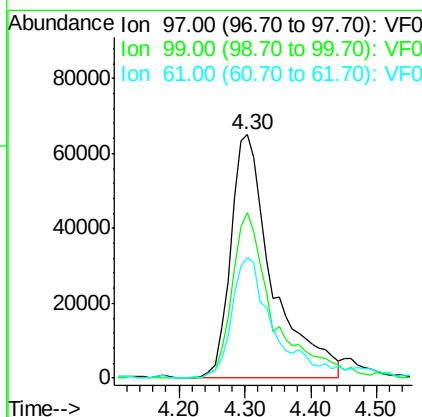
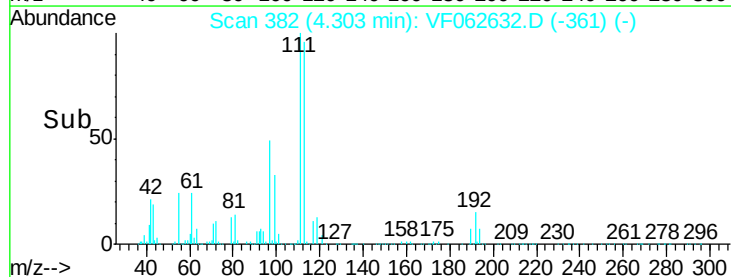
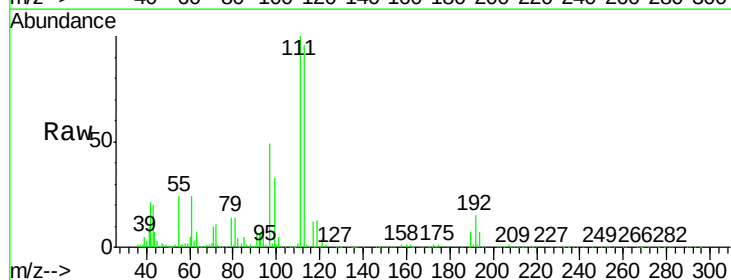
Manual Integrations
APPROVED

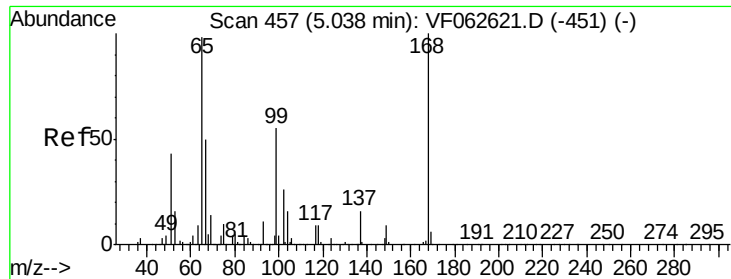
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#32
1,1,1-Trichloroethane
Concen: 22.687 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		288760		
99	68.0	51.3	76.9		
61	49.4	38.2	57.2		





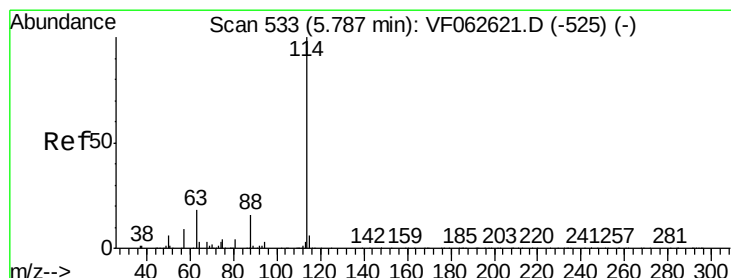
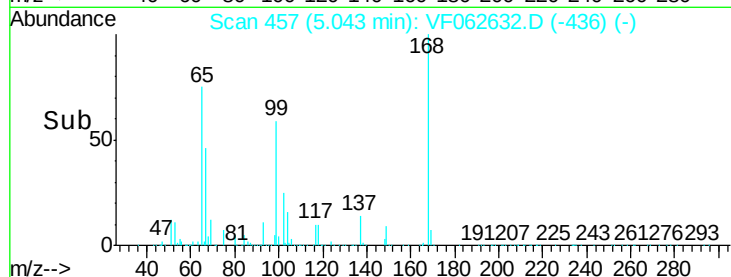
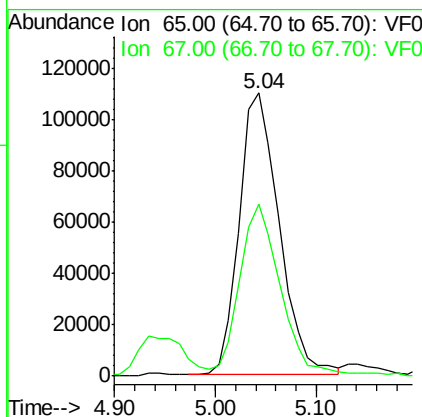
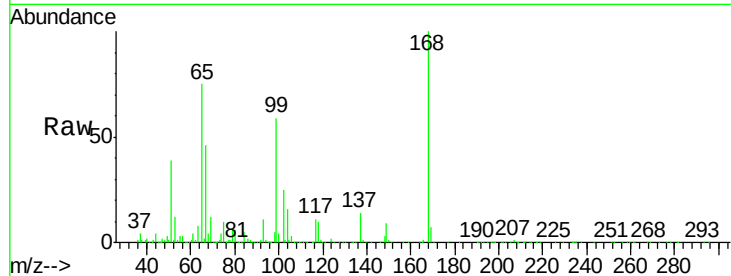
#33
 1,2-Dichloroethane-d4
 Concen: 45.874 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	304177		
67	60.7	0.0	117.6	

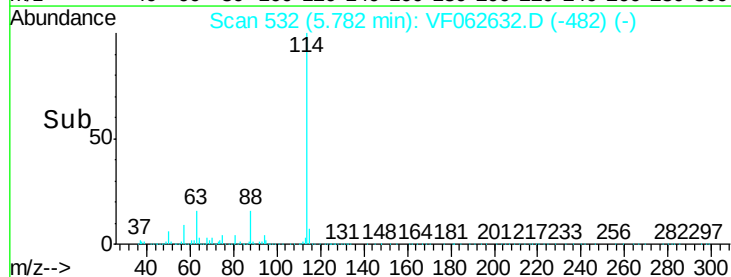
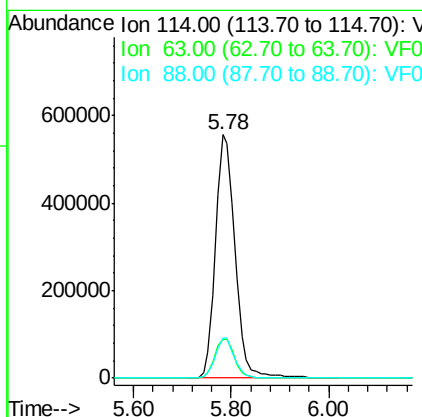
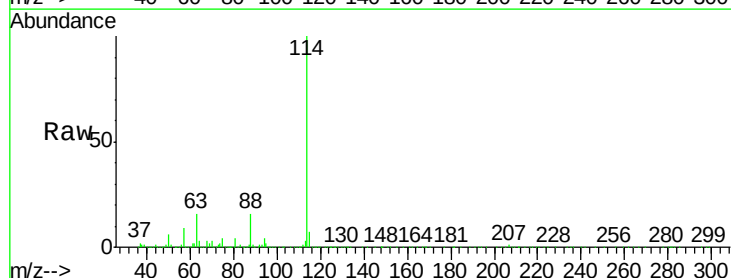
Manual Integrations
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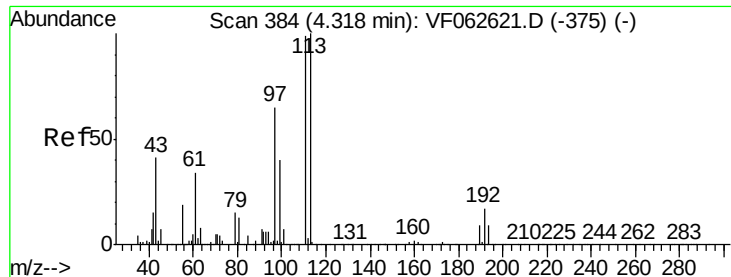
MMDadoda
 5/20/2019 2:51:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1562806		
63	15.7	0.0	35.4	
88	16.2	0.0	32.4	





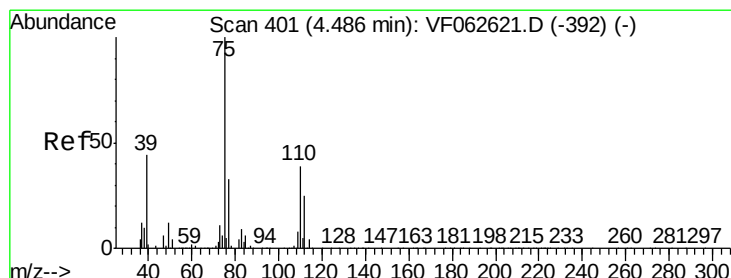
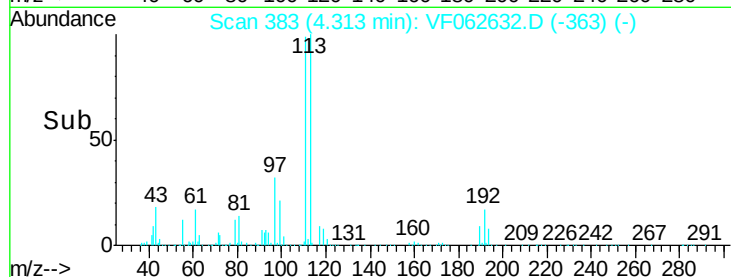
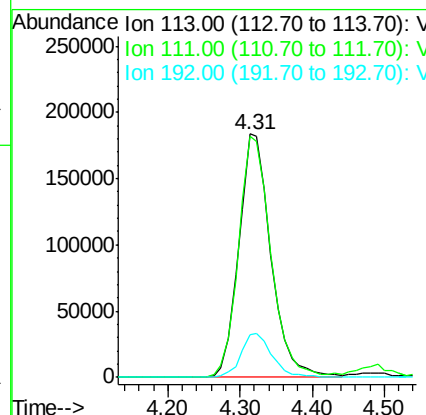
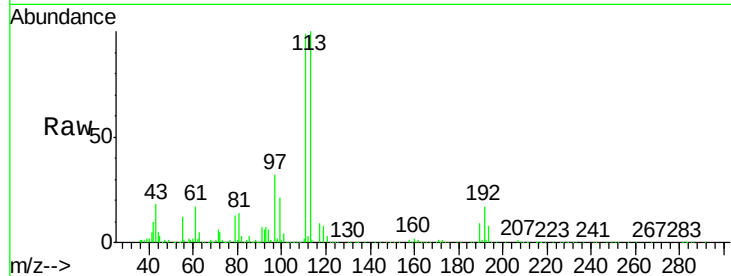
#35
 Dibromofluoromethane
 Concen: 47.779 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	79.4	119.2
192	17.6	13.4	20.2

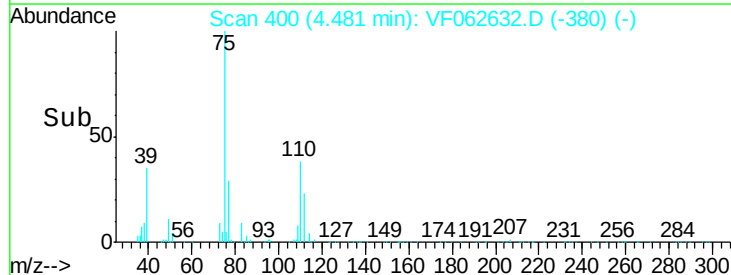
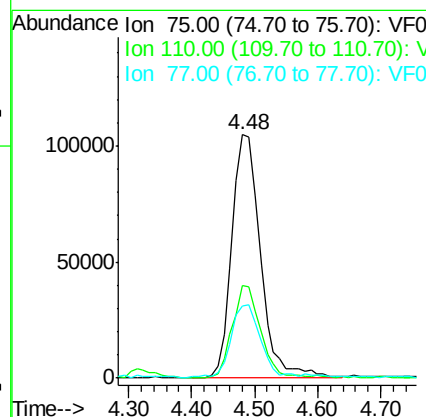
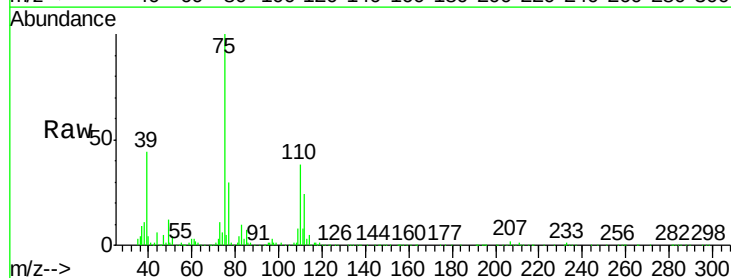
Manual Integrations
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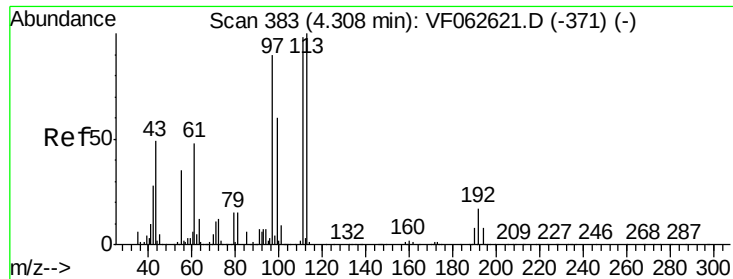
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.542 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.7	59.1
77	29.5	26.3	39.5





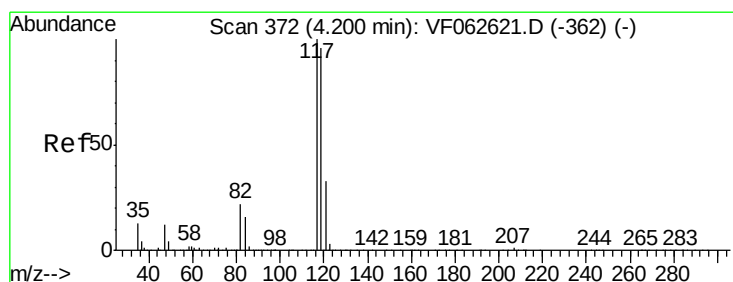
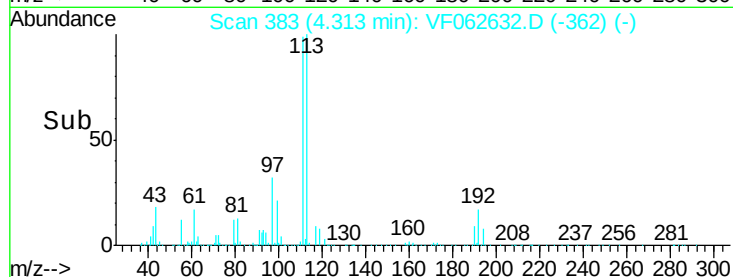
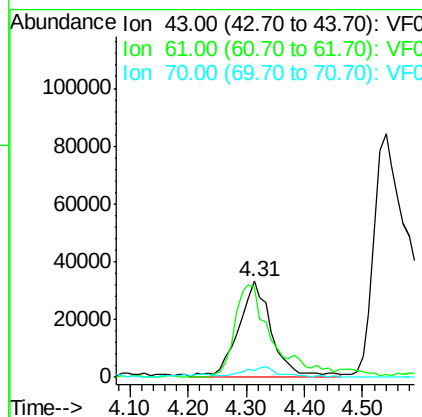
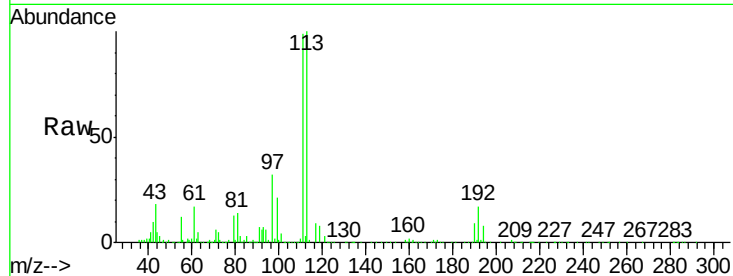
#37
Ethyl Acetate
Concen: 20.365 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	43	Ratio	Lower	Upper
133159	100			
61	93.2	76.9	115.3	
70	7.7	8.8	13.2	

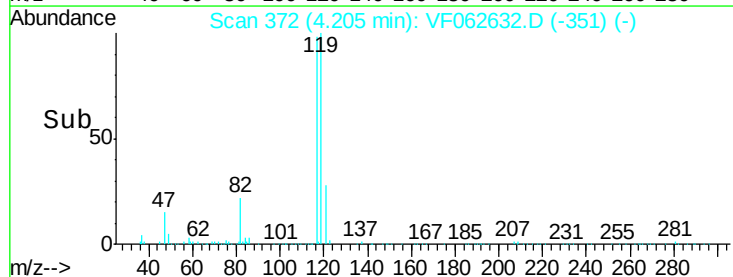
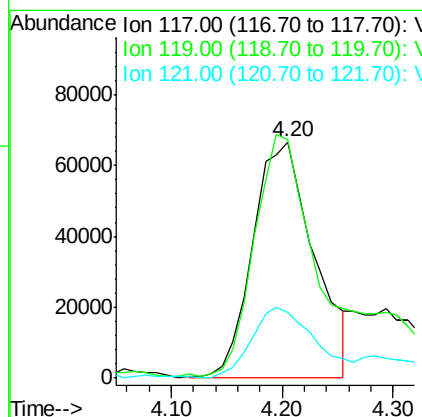
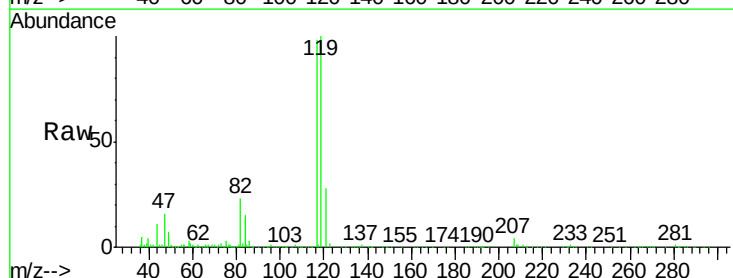
Manual Integrations
APPROVED

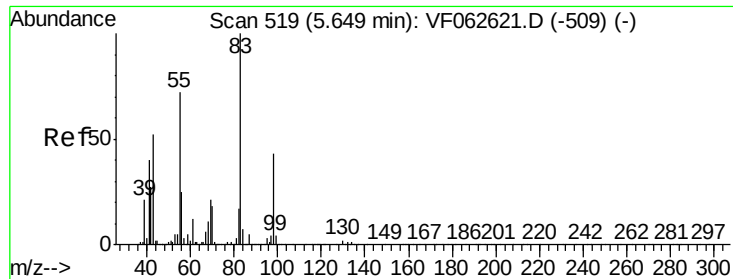
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#38
Carbon Tetrachloride
Concen: 21.225 ug/l m
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	117	Ratio	Lower	Upper
255628	100			
119	102.5	76.7	115.1	
121	28.4	26.6	40.0	





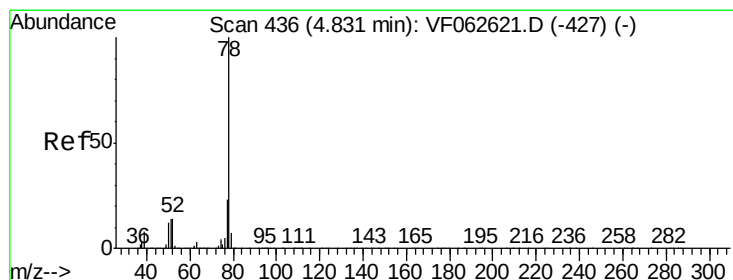
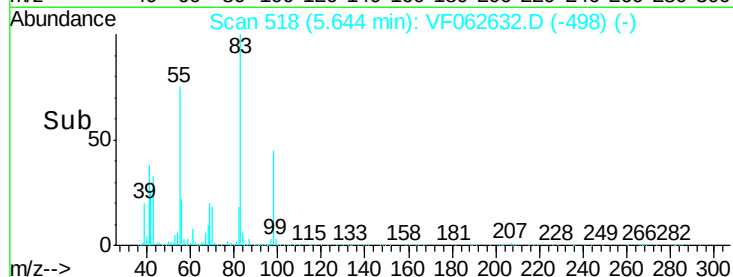
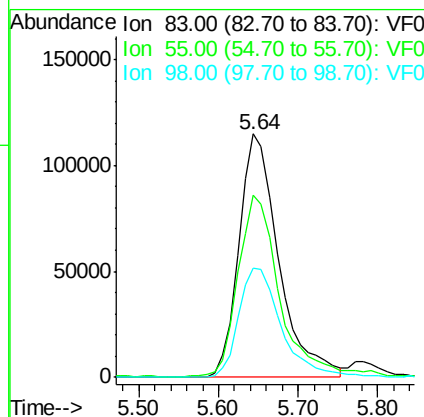
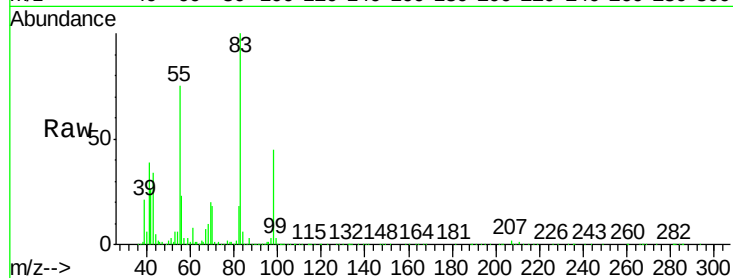
#39
Methylvlcyclohexane
Concen: 20.683 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	57.9	86.9
98	44.8	34.6	52.0

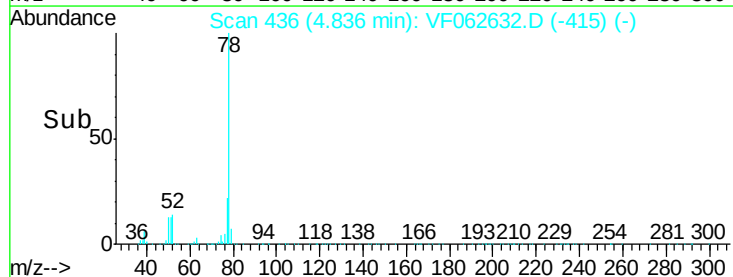
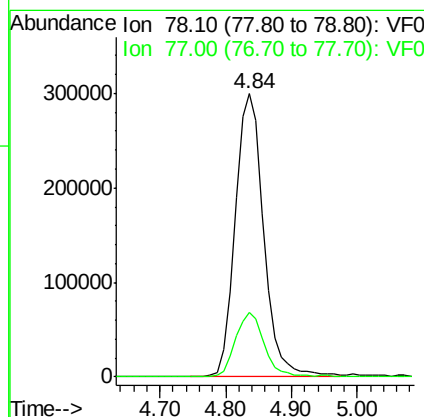
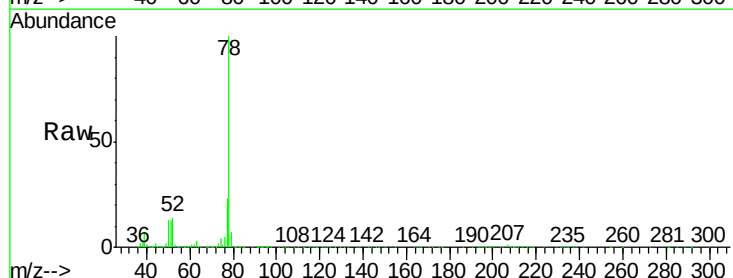
Manual Integrations
APPROVED

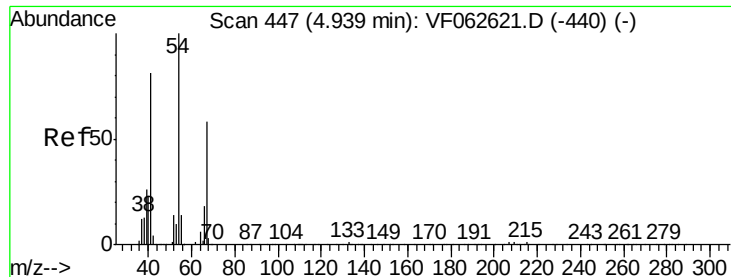
MMDadoda
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#40
Benzene
Concen: 20.774 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.2	27.2





#41

Methacrylonitrile

Concen: 20.365 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

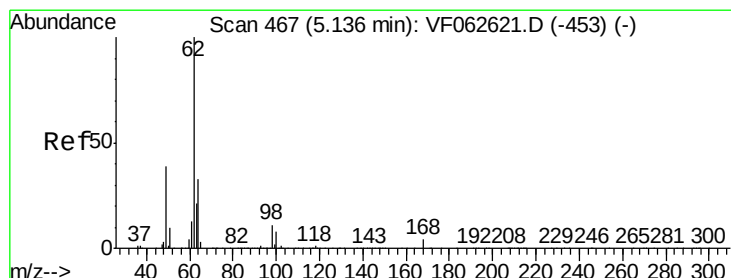
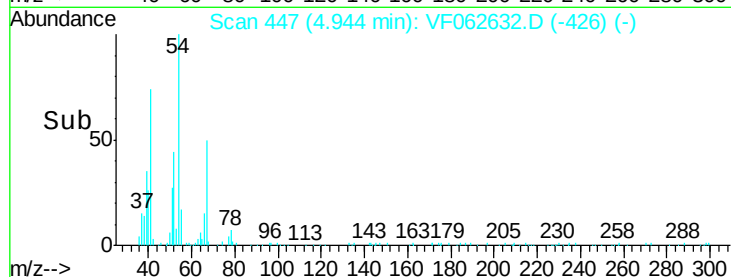
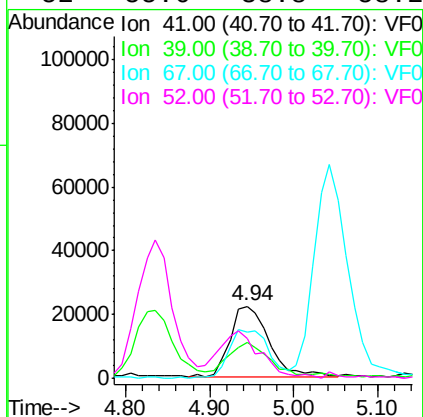
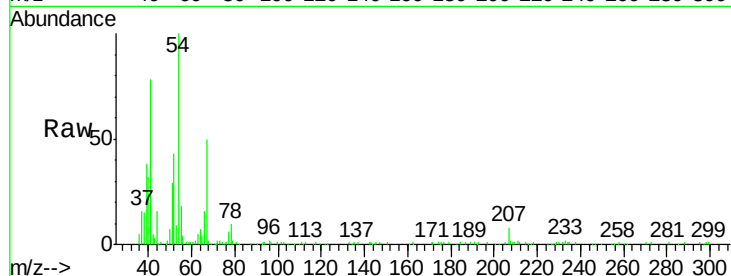
ClientSampleId :

VF0517SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.3	42.2	63.2
67	64.6	56.4	84.6
52	55.6	38.8	58.2

Manual Integrations
APPROVED

MMDadoda
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#42

1,2-Dichloroethane

Concen: 19.865 ug/l

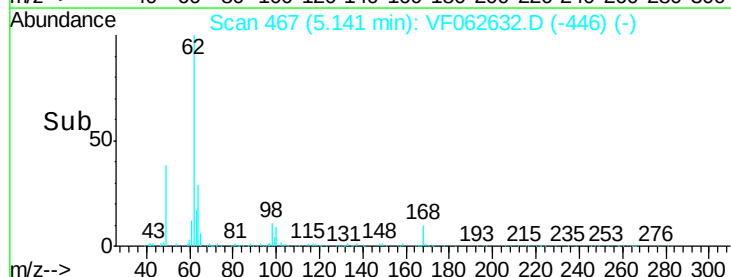
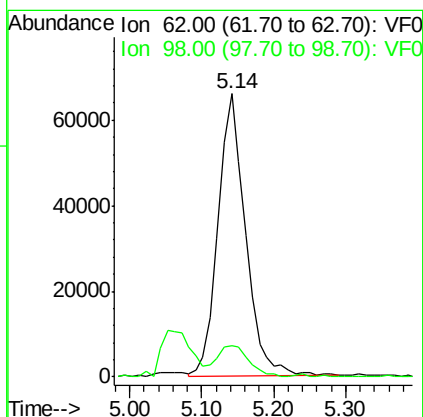
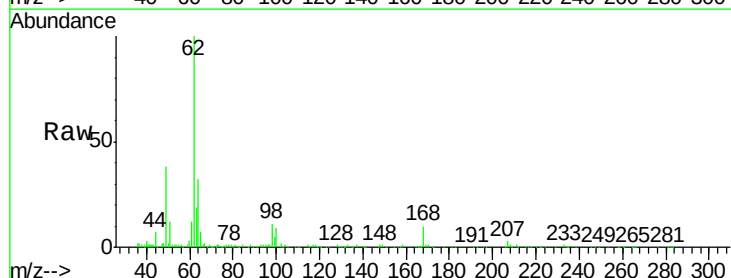
RT: 5.14 min Scan# 467

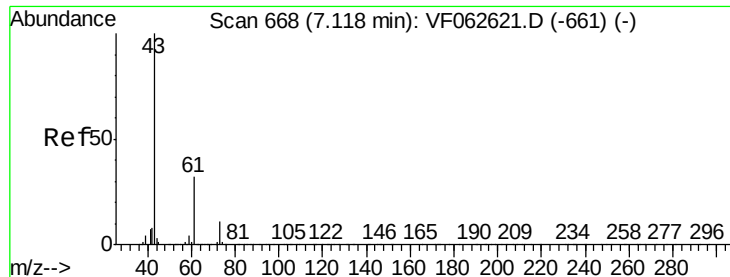
Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.6





#43

Isopropyl Acetate

Concen: 18.540 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

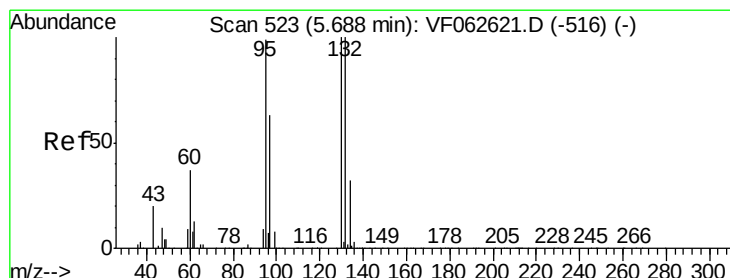
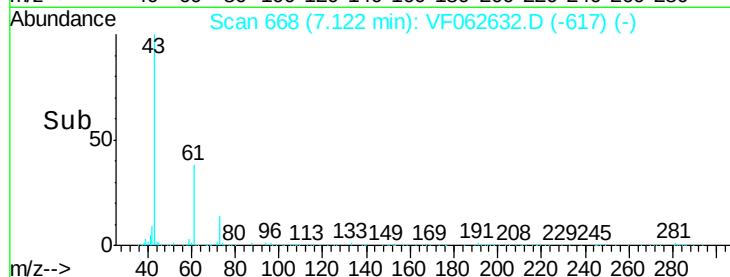
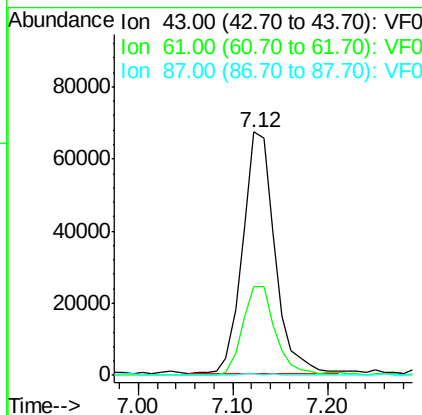
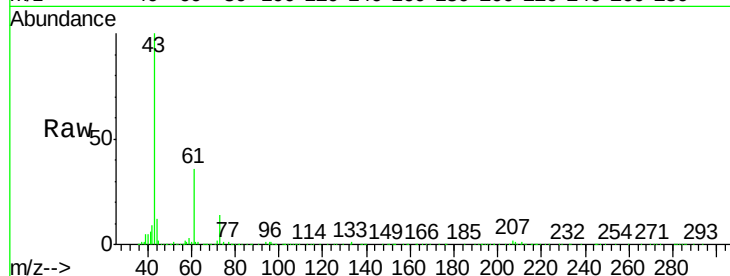
ClientSampleId :

VF0517SBS01

Tot Ion:	43	Resp:	157054
Ion Ratio	Lower	Upper	
43	100		
61	36.3	25.8	38.8
87	0.7	0.4	0.6#

Manual Integrations
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#44

Trichloroethene

Concen: 21.868 ug/l

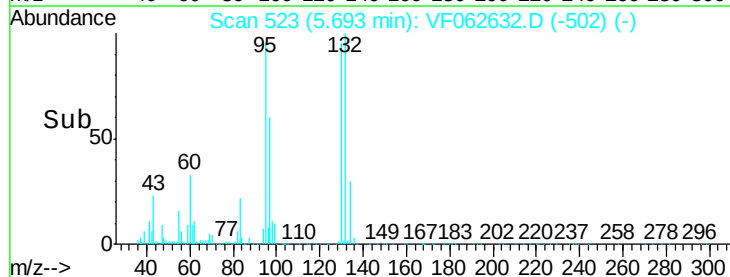
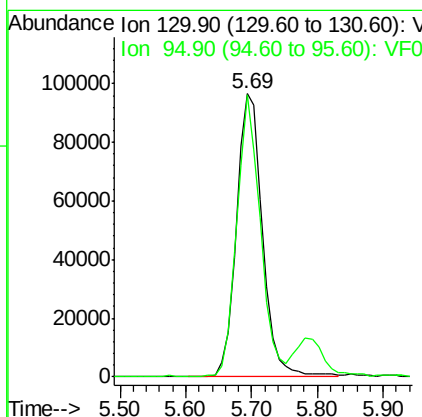
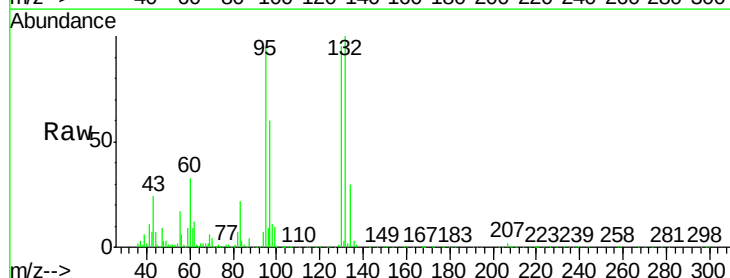
RT: 5.69 min Scan# 523

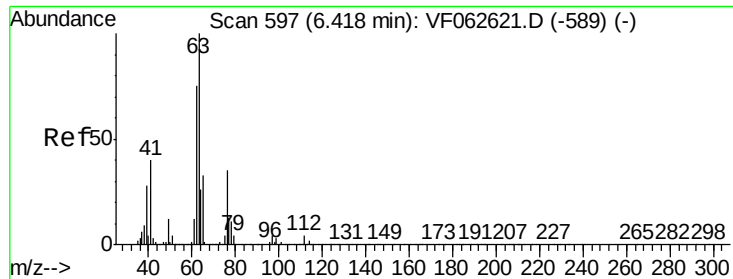
Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	130	Resp:	268135
Ion Ratio	Lower	Upper	
130	100		
95	99.6	0.0	199.4





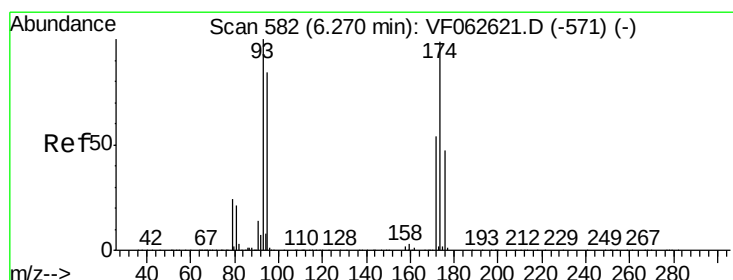
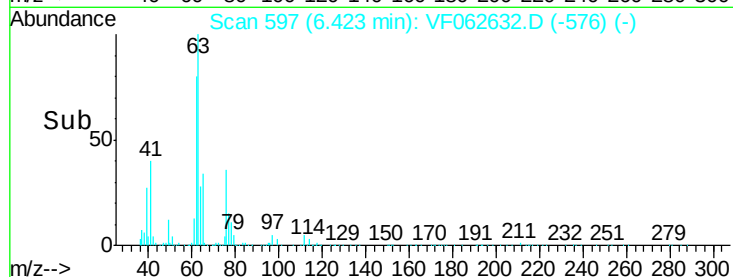
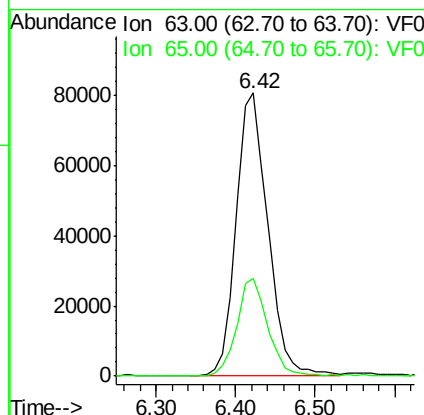
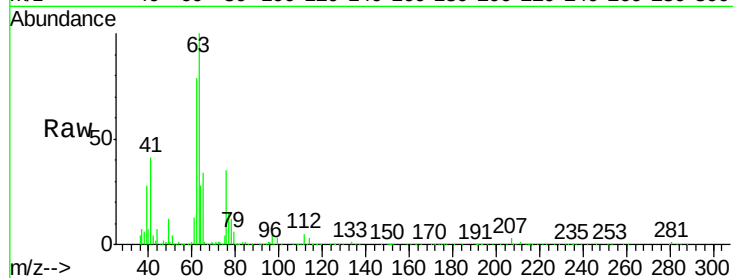
#45
1,2-Dichloropropane
Concen: 20.162 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.4	26.3	39.5

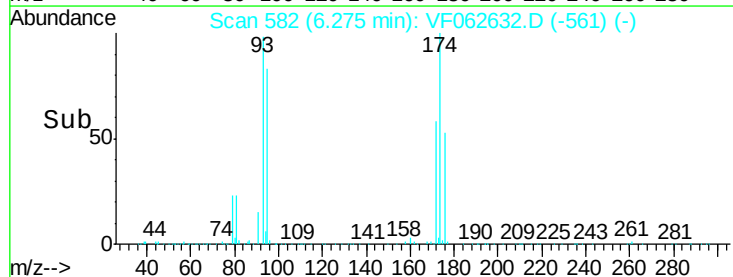
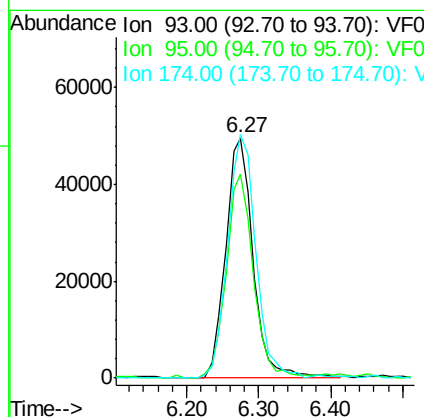
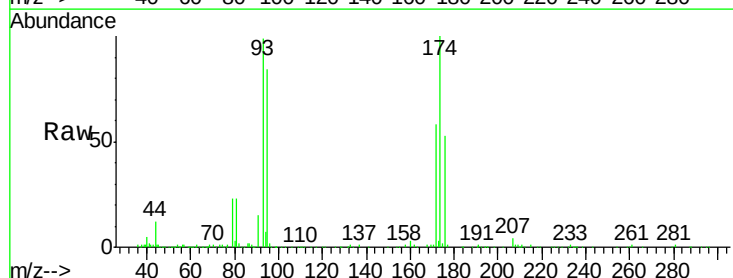
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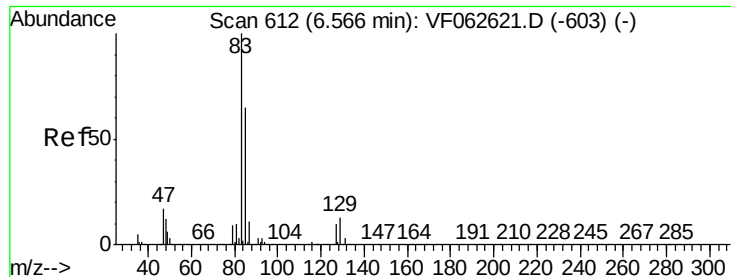
MMDadoda
5/20/2019 2:51:51 PM



#46
Dibromomethane
Concen: 20.545 ug/l
RT: 6.27 min Scan# 582
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.4	101.2
174	103.0	79.4	119.2





#47

Bromodichloromethane

Concen: 20.525 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

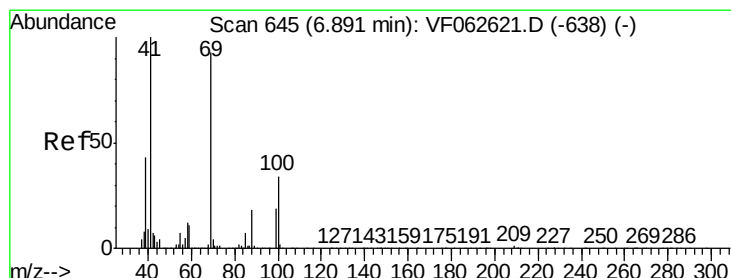
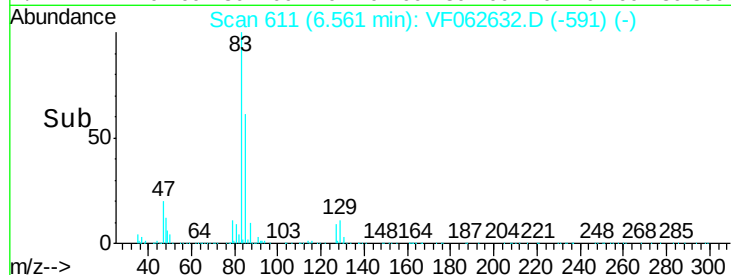
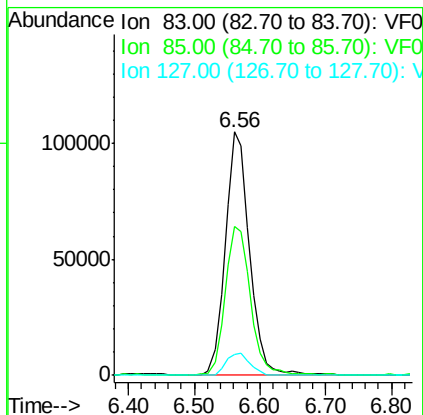
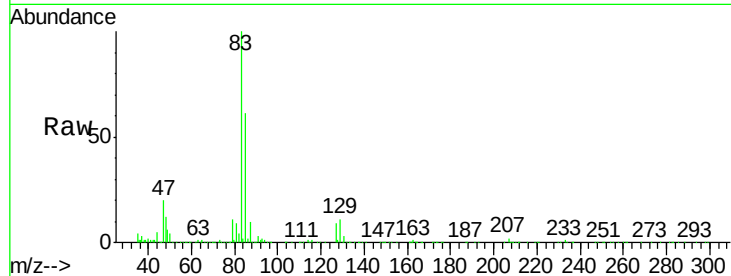
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	271198
Ion Ratio	Lower	Upper	
83	100		
85	61.1	52.0	78.0
127	8.7	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.424 ug/l

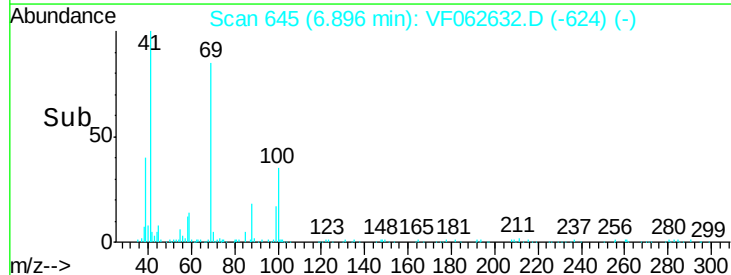
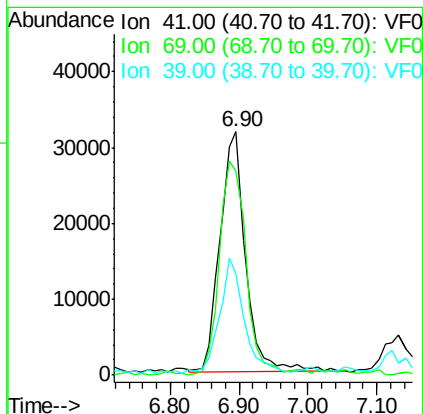
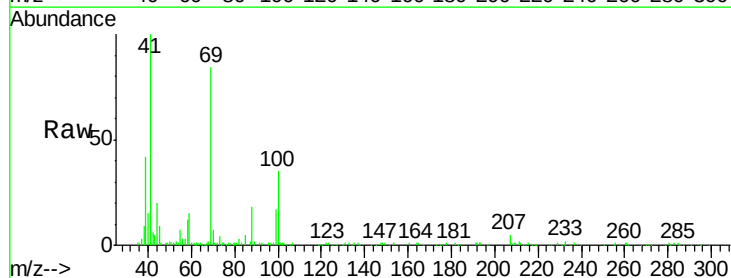
RT: 6.90 min Scan# 645

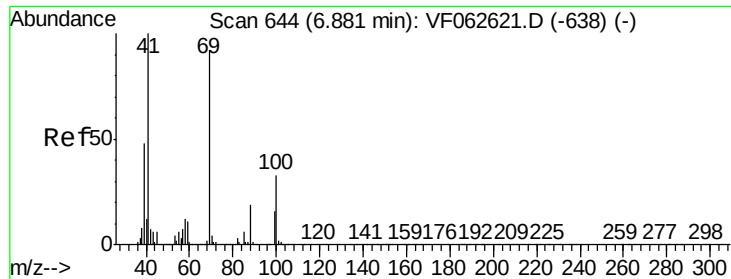
Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	41	Resp:	81574
Ion Ratio	Lower	Upper	
41	100		
69	83.6	74.2	111.2
39	41.7	34.2	51.4





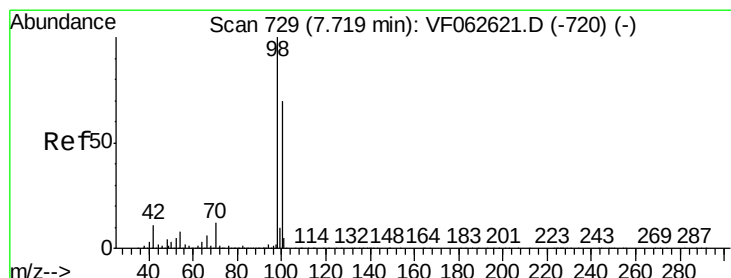
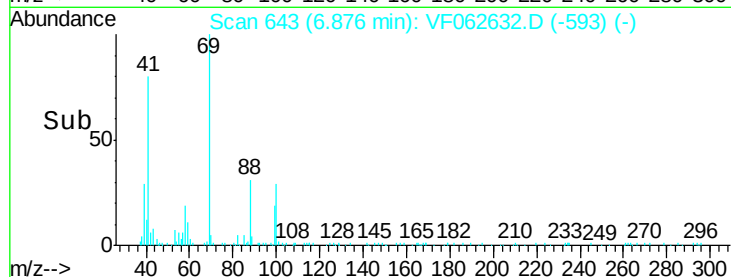
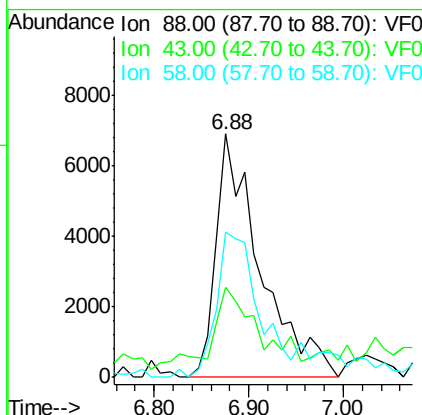
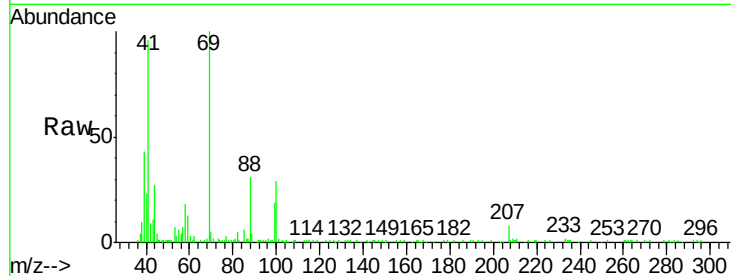
#49
1,4-Dioxane
Concen: 394.387 ug/l
RT: 6.88 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.2		30.0	45.0
58	59.4		51.1	76.7

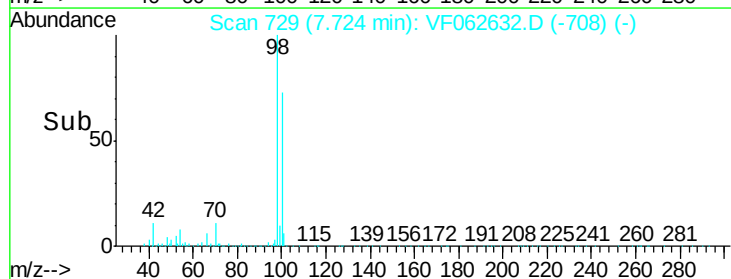
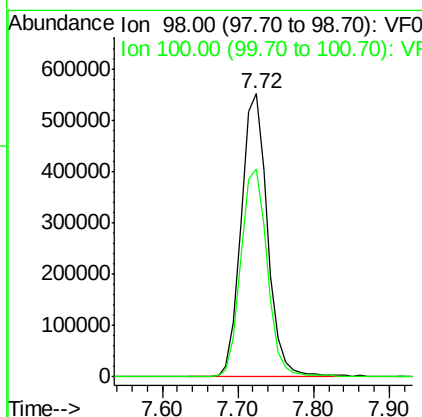
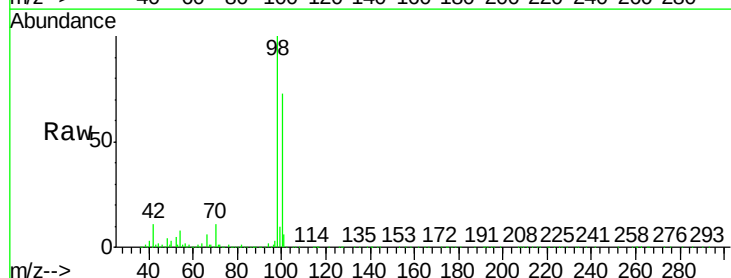
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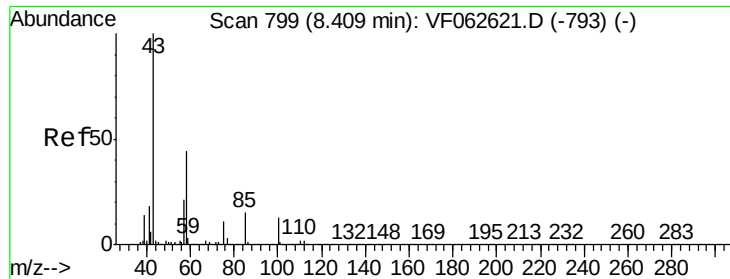
MMDadoda
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#50
Toluene-d8
Concen: 46.435 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	73.2		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 93.198 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 539634

Ion Ratio Lower Upper

43 100

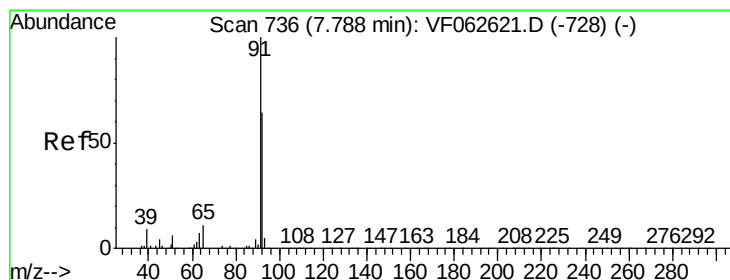
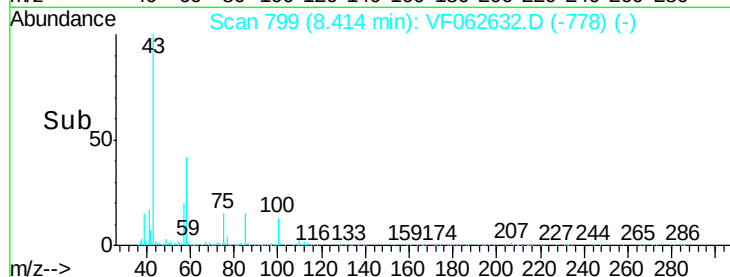
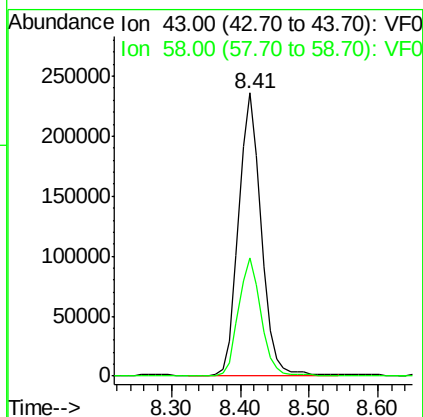
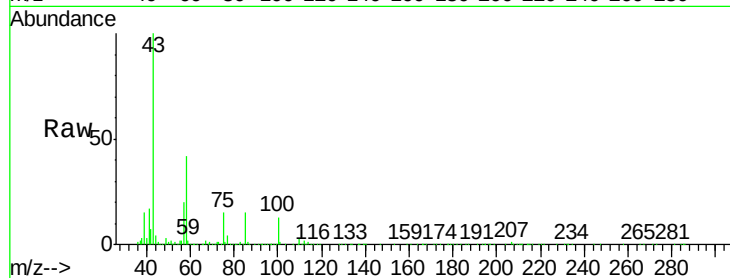
58 41.9 34.9 52.3

Manual Integrations

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#52

Toluene

Concen: 22.089 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062632.D

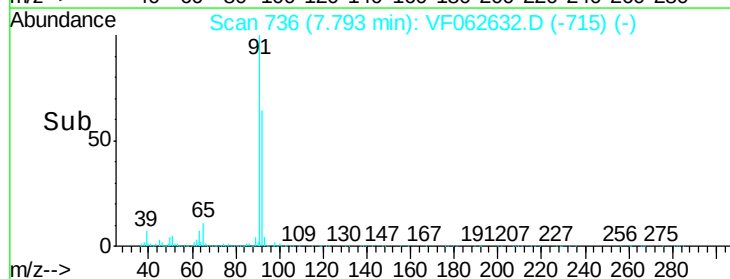
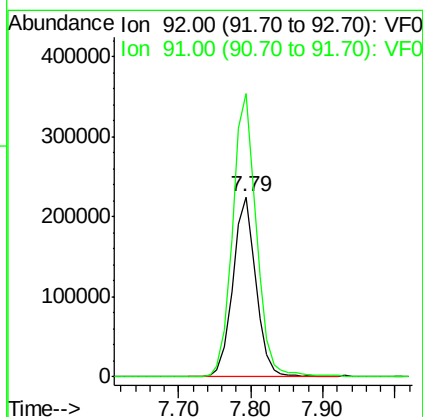
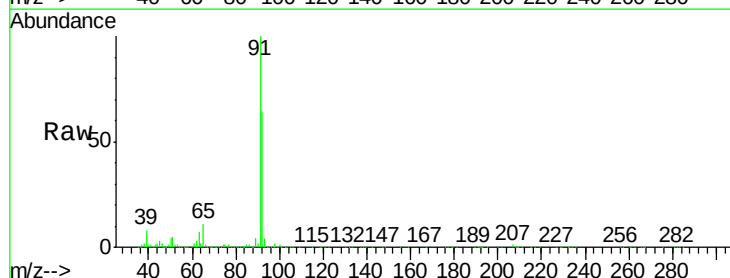
Acq: 17 May 2019 11:48

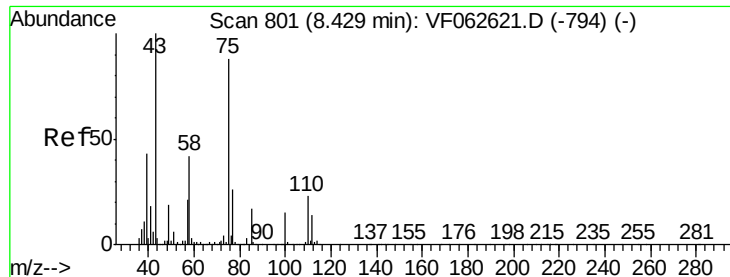
Tgt Ion: 92 Resp: 505391

Ion Ratio Lower Upper

92 100

91 157.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 21.102 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062632.D

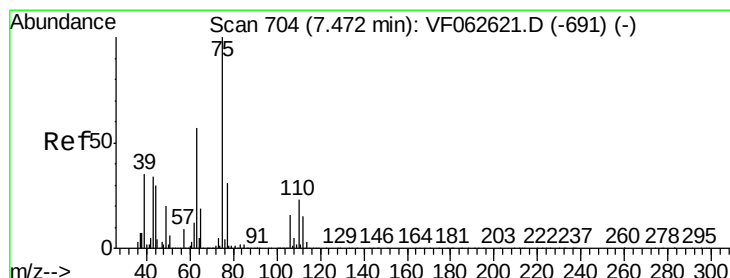
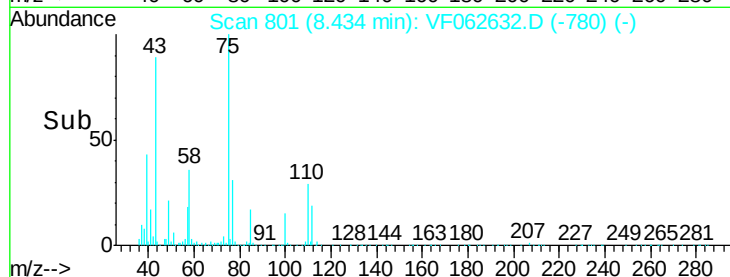
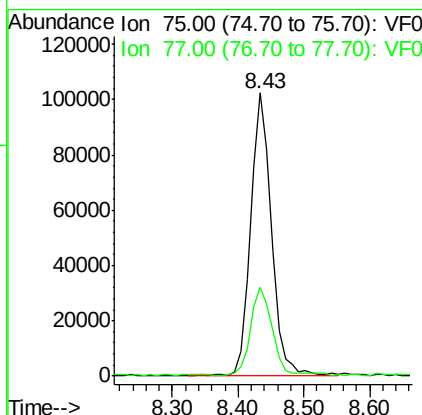
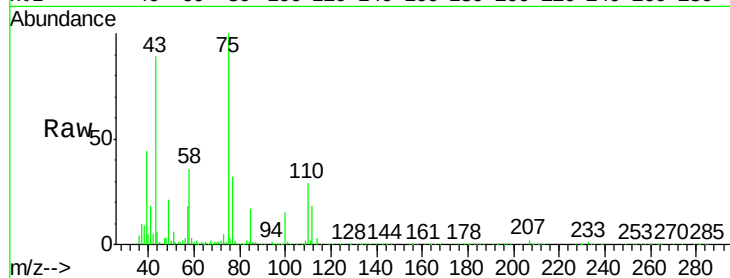
Acq: 17 May 2019 11:48

Tot Ion:	75	Resp:	228110
Ion Ratio	Lower	Upper	
75	100		
77	31.6	24.2	36.4

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.402 ug/l

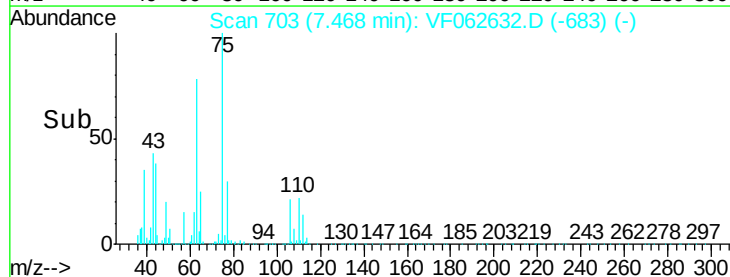
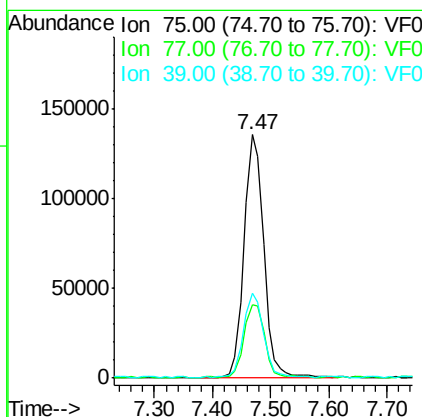
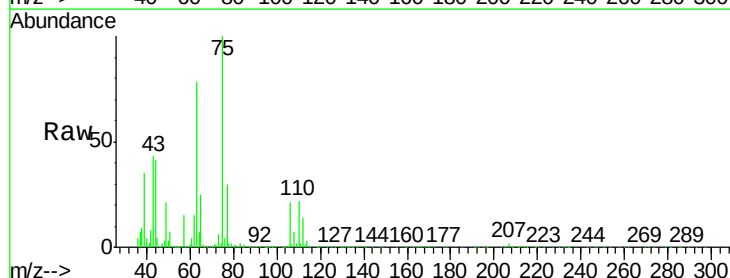
RT: 7.47 min Scan# 703

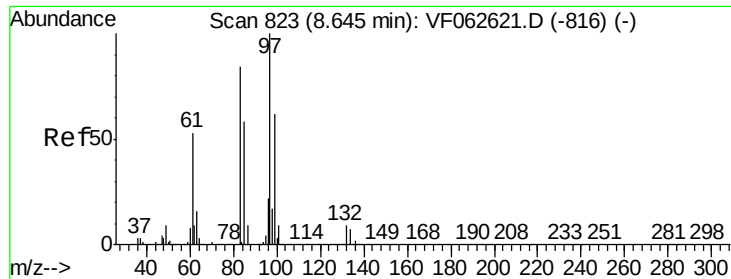
Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	75	Resp:	323859
Ion Ratio	Lower	Upper	
75	100		
77	30.2	25.3	37.9
39	35.1	28.2	42.2





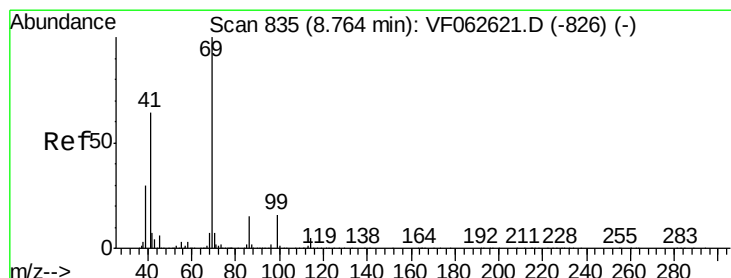
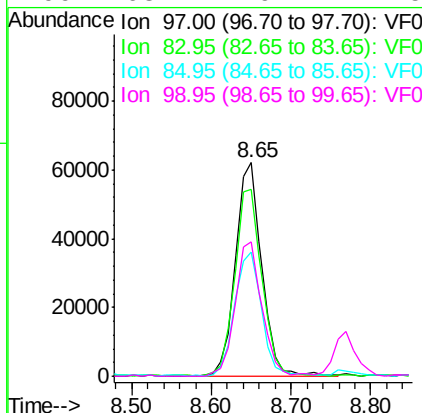
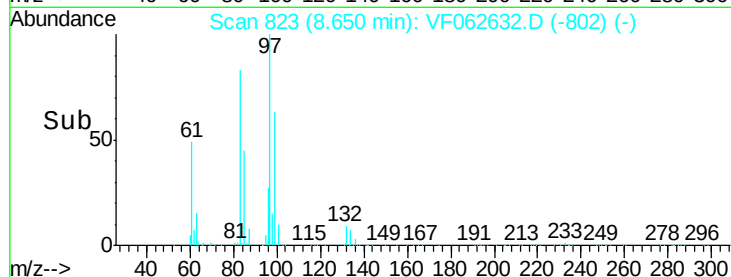
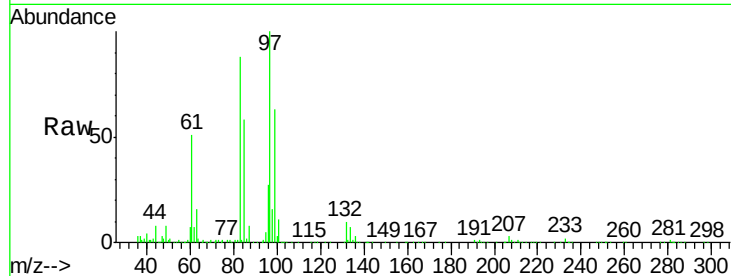
#55
 1,1,2-Trichloroethane
 Concen: 21.124 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion:	97	Resp:	143101
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.3	100.9
85	58.0	46.6	69.8
99	63.2	49.7	74.5

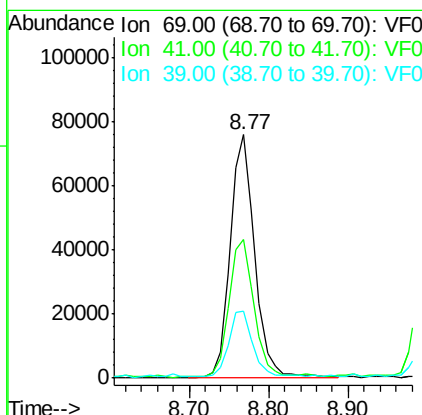
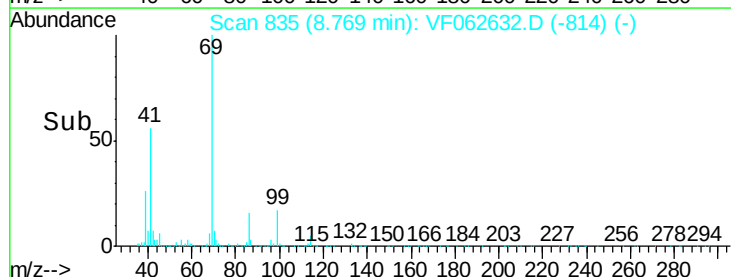
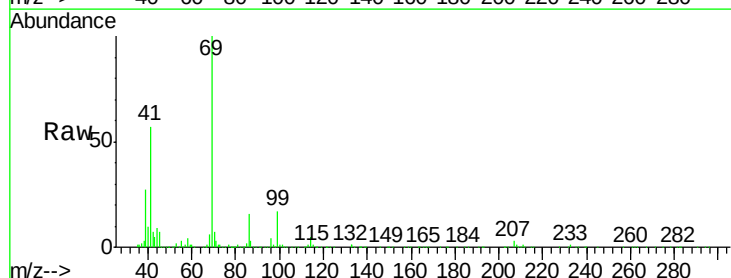
Manual Integrations
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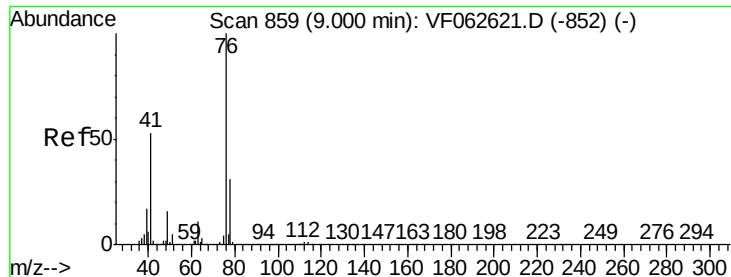
MMDadoda
 5/20/2019 2:51:51 PM



#56
 Ethyl methacrylate
 Concen: 20.159 ug/l
 RT: 8.77 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion:	69	Resp:	162700
Ion	Ratio	Lower	Upper
69	100		
41	57.0	51.4	77.2
39	27.3	23.6	35.4





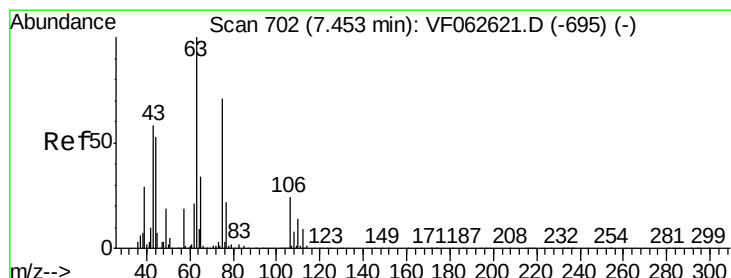
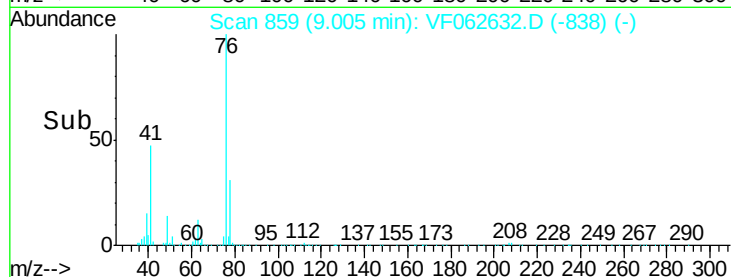
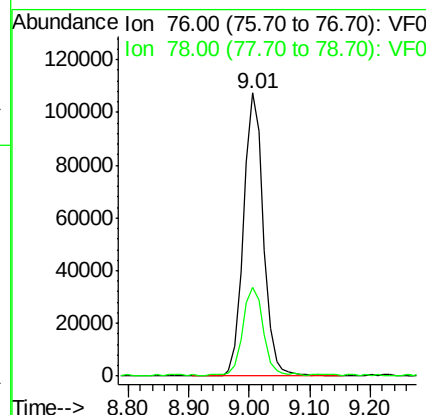
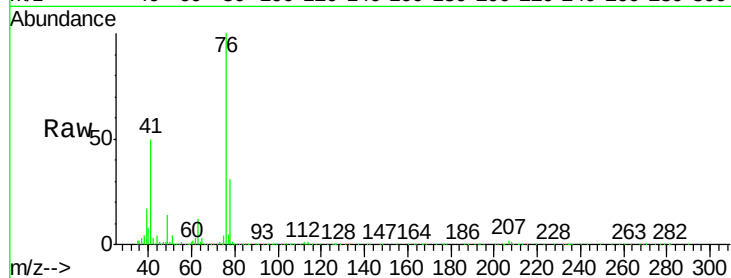
#57
 1,3-Dichloropropane
 Concen: 21.289 ug/l
 RT: 9.01 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.4	38.0

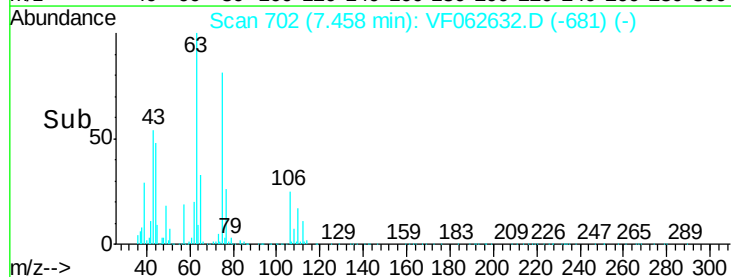
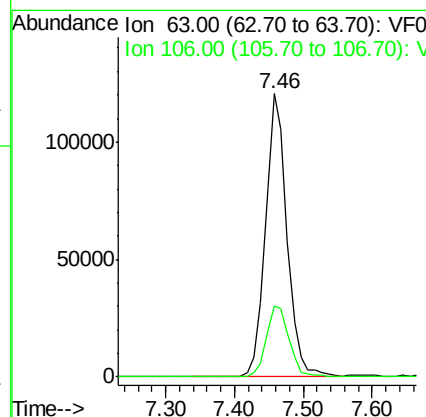
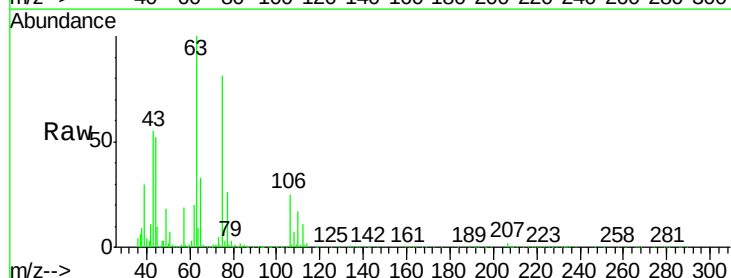
Manual Integrations
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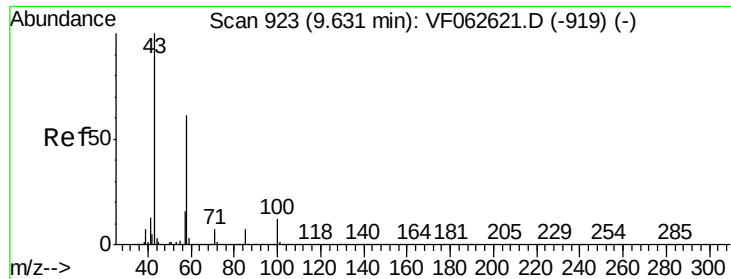
MMDadoda
 5/20/2019 2:51:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.187 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	19.1	28.7





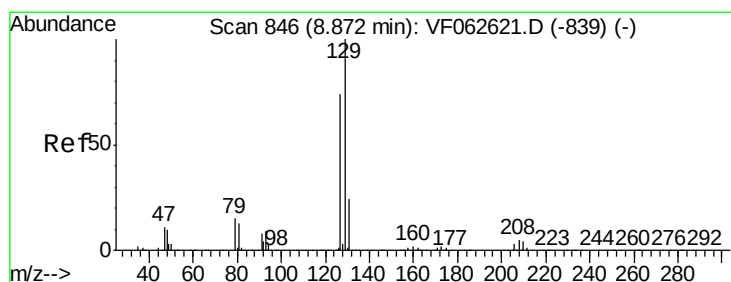
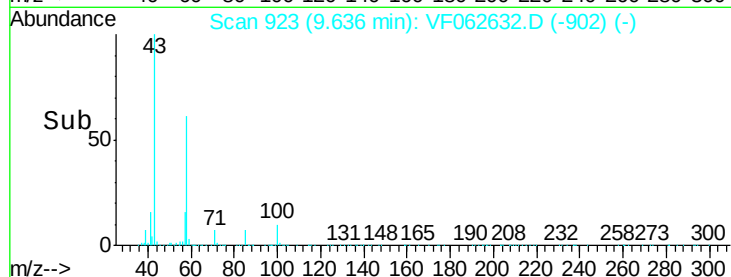
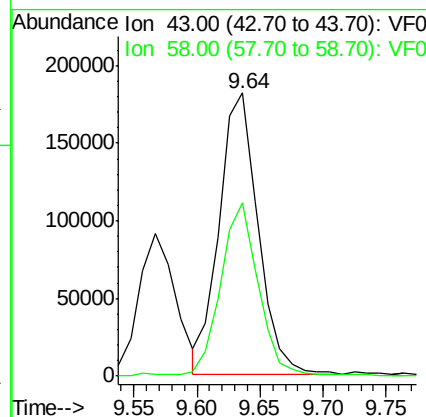
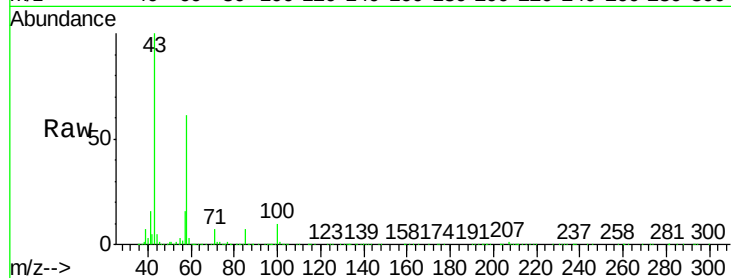
#59
2-Hexanone
Concen: 91.444 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.1	28.1	84.4

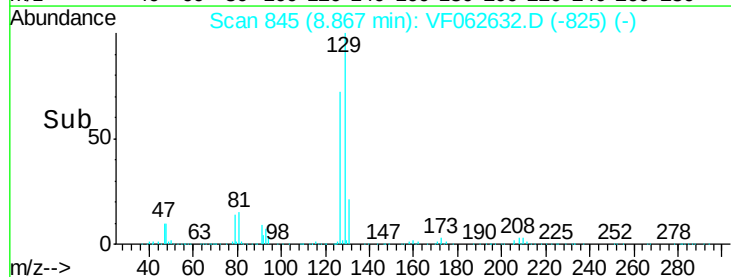
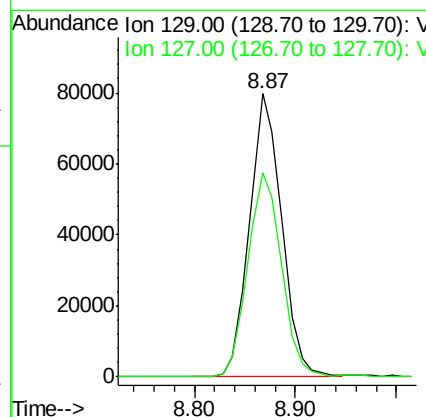
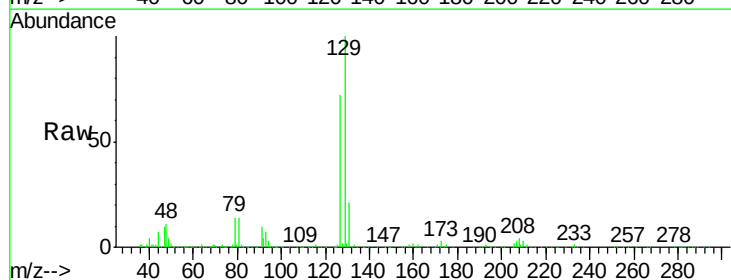
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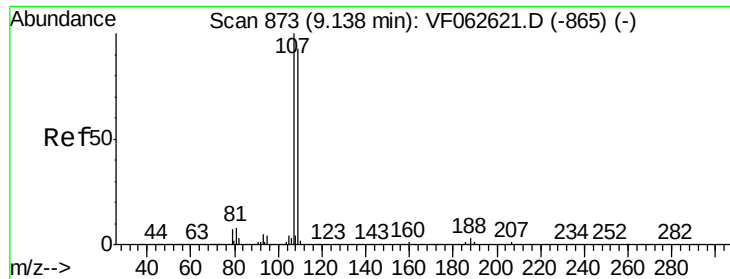
MMDadoda
5/20/2019 2:51:51 PM



#60
Dibromochloromethane
Concen: 20.123 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.2	37.2	111.6





#61

1,2-Dibromoethane

Concen: 21.925 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:107 Resp: 157762

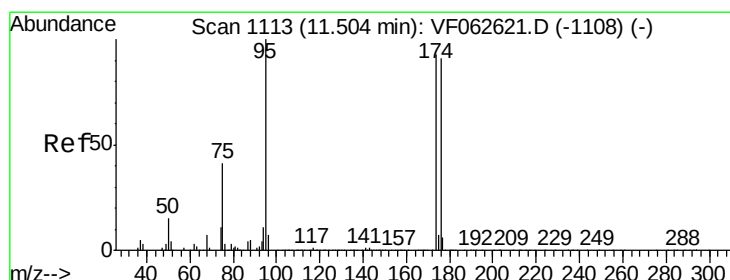
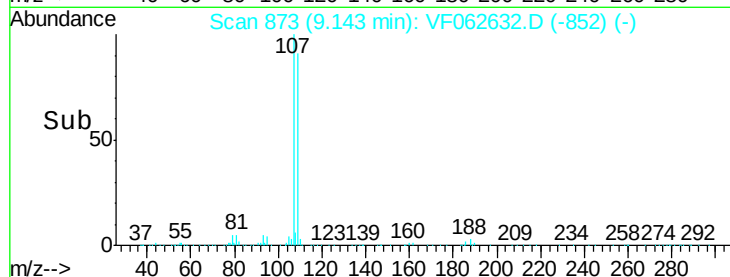
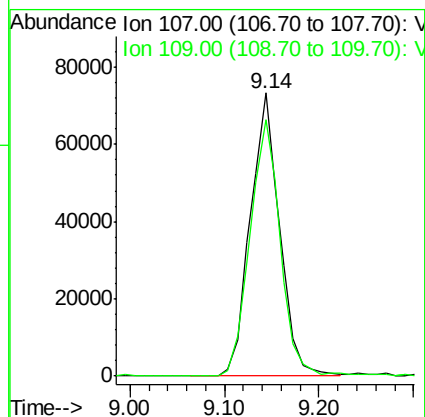
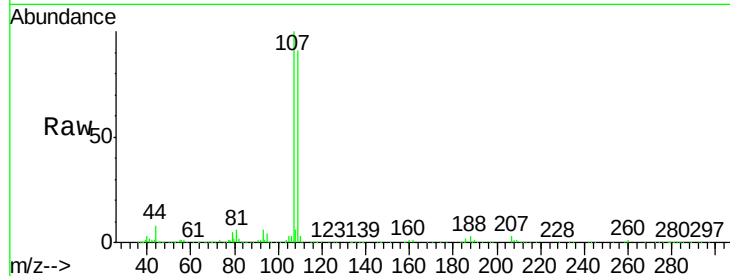
Ion Ratio Lower Upper

107 100

109 90.6 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
5/20/2019 2:51:51 PM



#62

4-Bromofluorobenzene

Concen: 39.616 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

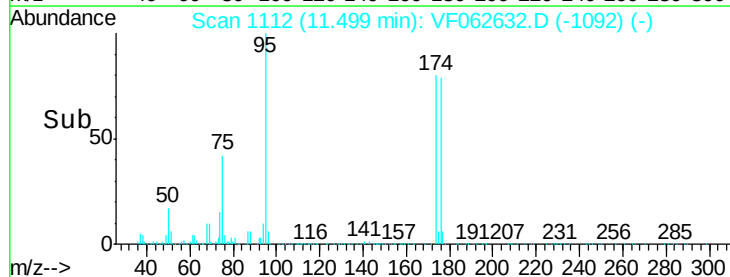
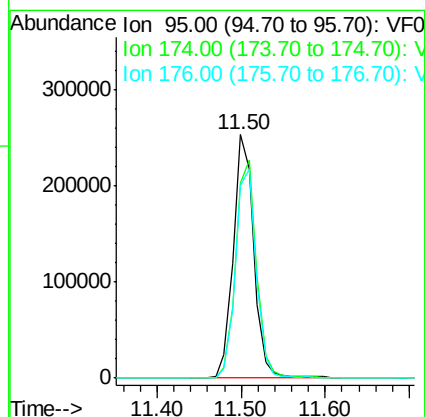
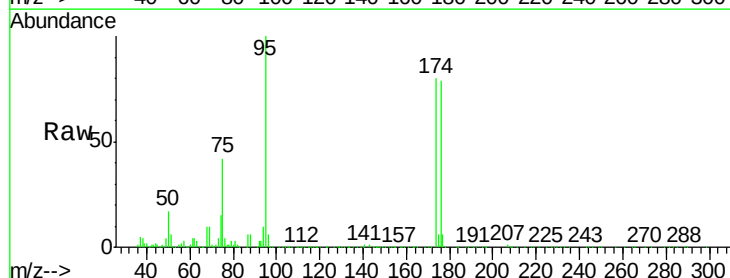
Tgt Ion: 95 Resp: 429005

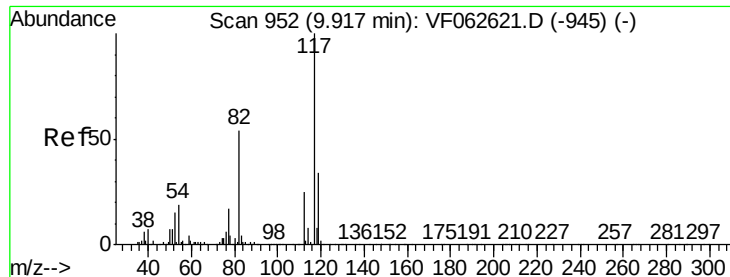
Ion Ratio Lower Upper

95 100

174 80.1 0.0 185.6

176 78.9 0.0 182.4





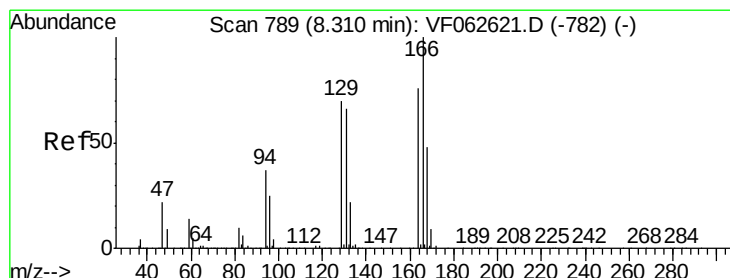
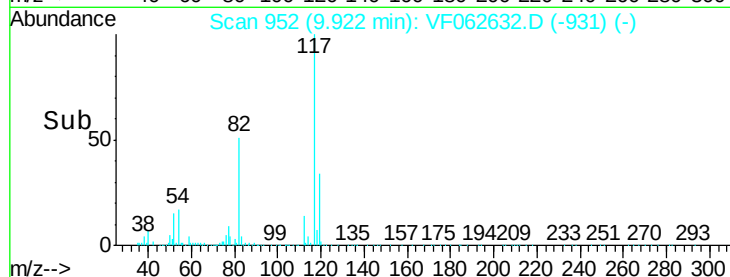
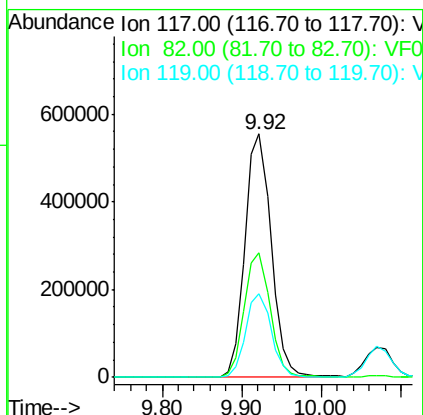
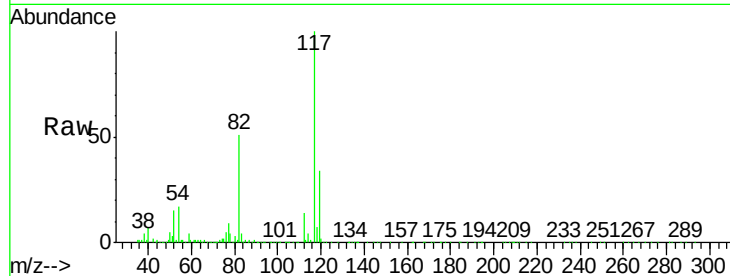
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.3	64.9
119	34.4	27.4	41.0

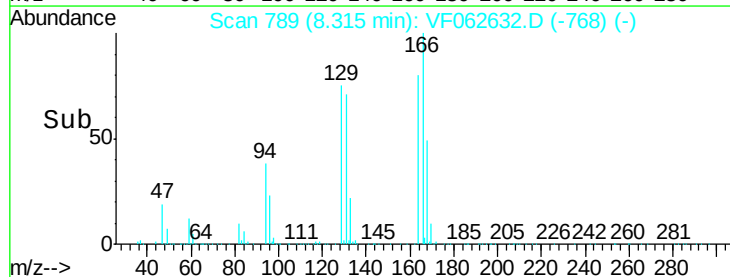
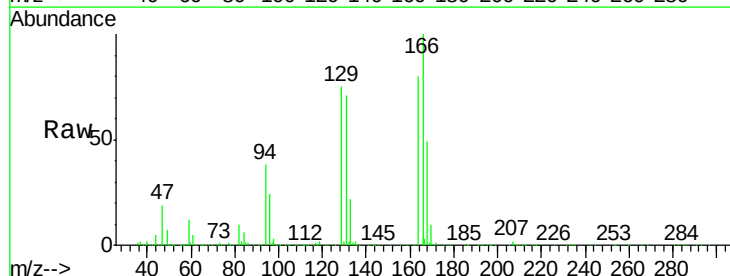
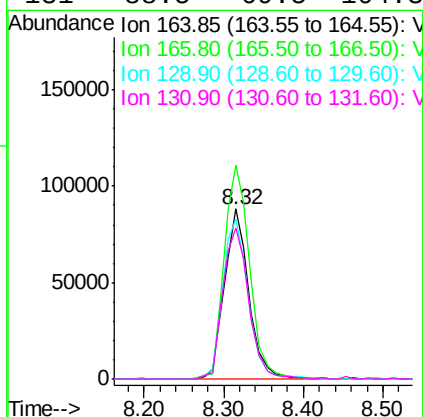
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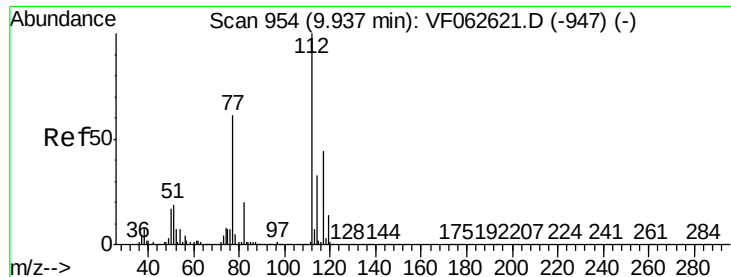
MMDadoda
5/20/2019 2:51:51 PM



#64
Tetrachloroethene
Concen: 19.100 ug/l
RT: 8.32 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	105.5	158.3
129	94.3	73.8	110.6
131	88.5	69.5	104.3





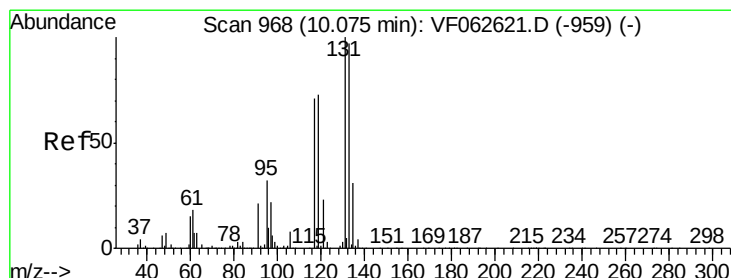
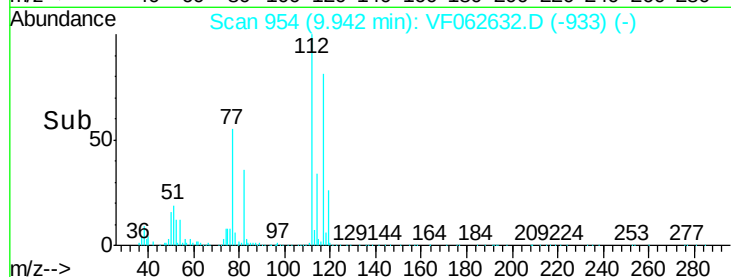
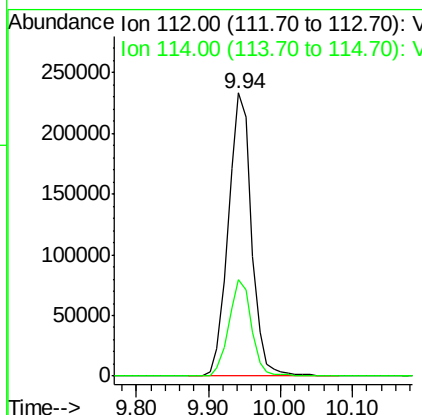
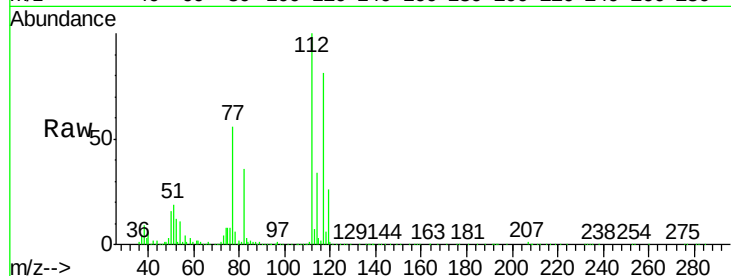
#65
Chlorobenzene
Concen: 21.181 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	524579		
114	34.0	26.8	40.2	

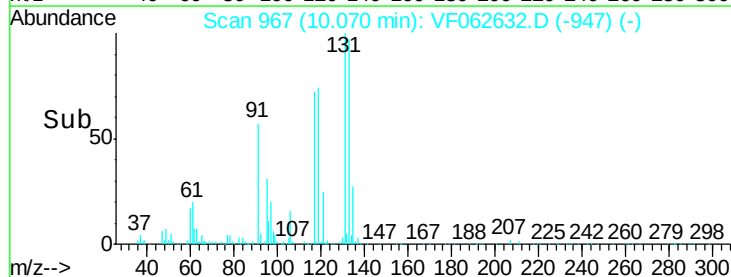
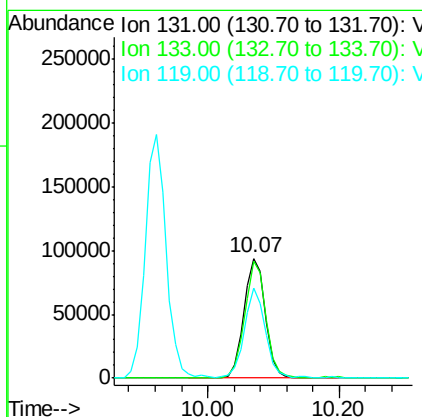
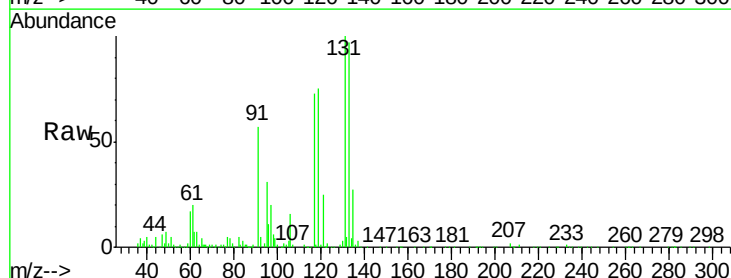
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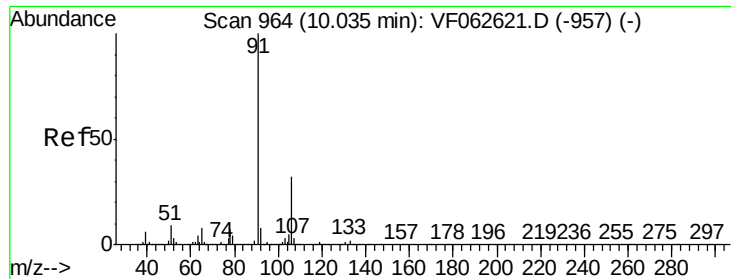
MMDadoda
5/20/2019 2:51:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.653 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	215285		
133	97.2	48.5	145.5	
119	74.6	36.8	110.4	





#67

Ethyl Benzene

Concen: 21.136 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tot Ion: 91 Resp: 909400

Ion Ratio Lower Upper

91 100

106 30.6 25.8 38.8

Instrument :

MSVOA_F

ClientSampleId :

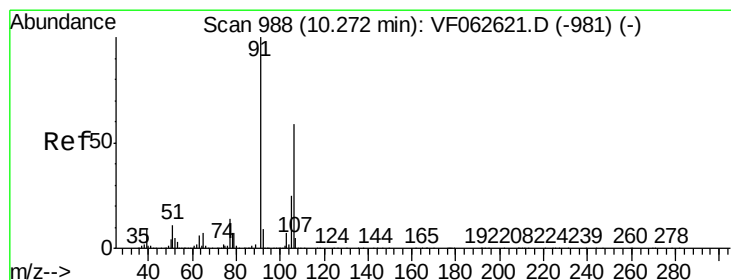
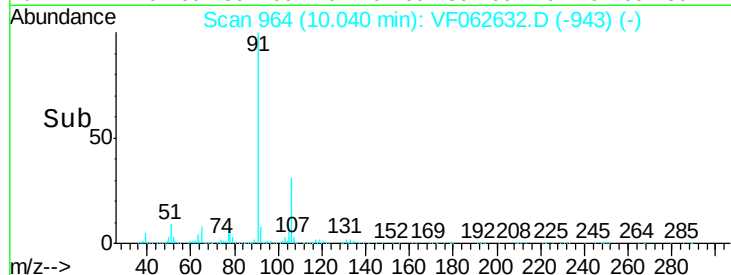
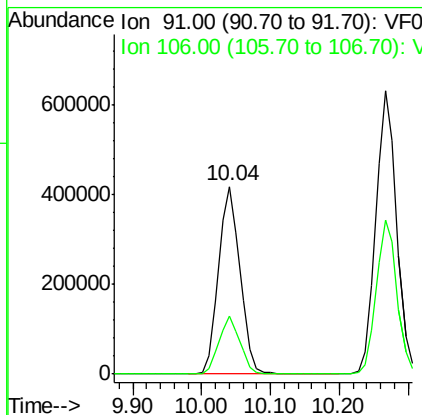
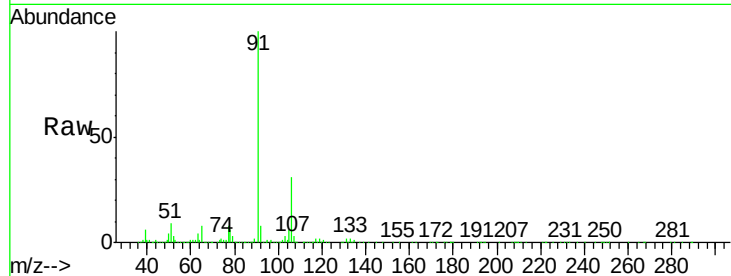
VF0517SBS01

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#68

m/p-Xylenes

Concen: 44.919 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062632.D

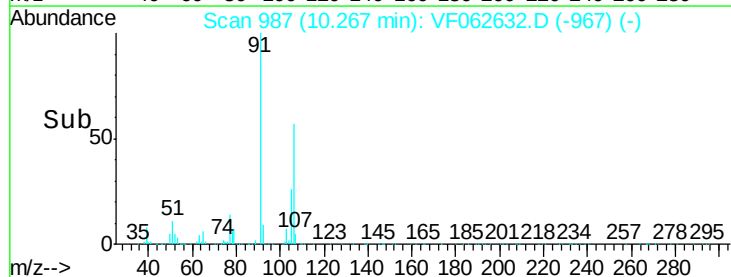
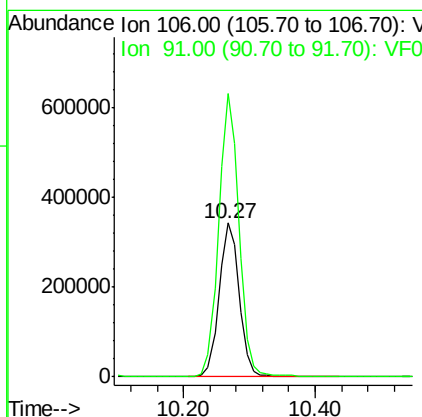
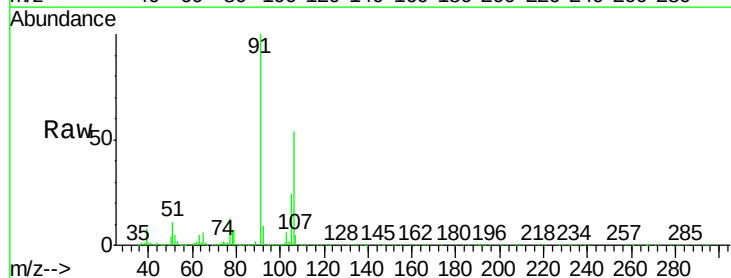
Acq: 17 May 2019 11:48

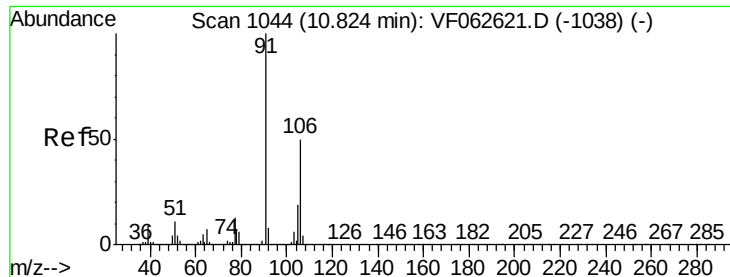
Tgt Ion: 106 Resp: 726375

Ion Ratio Lower Upper

106 100

91 183.9 136.9 205.3





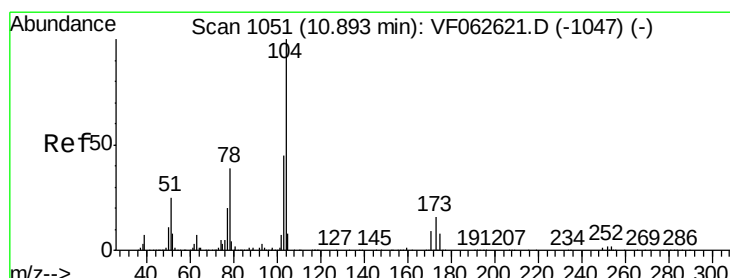
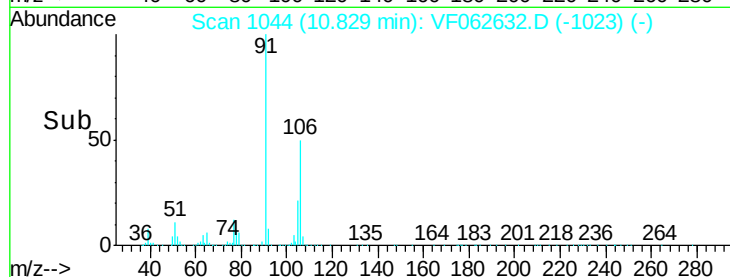
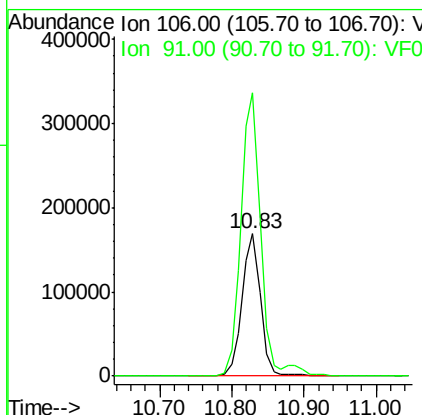
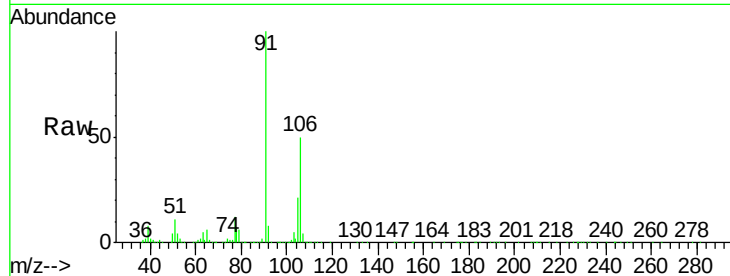
#69
o-Xylene
Concen: 18.349 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	198.8	100.2	305625		300.5

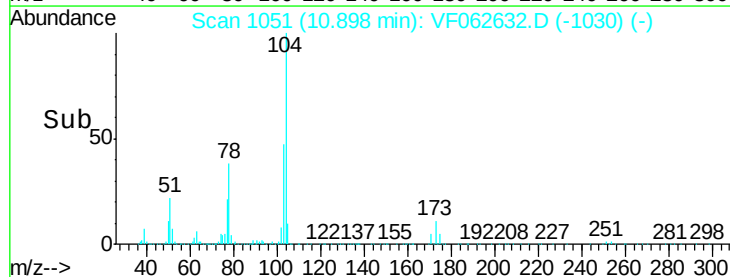
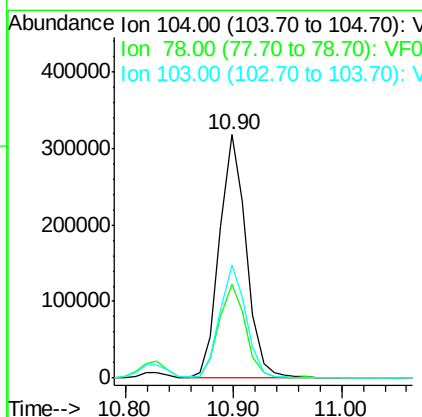
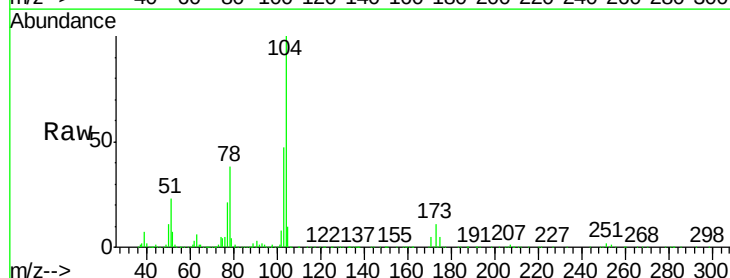
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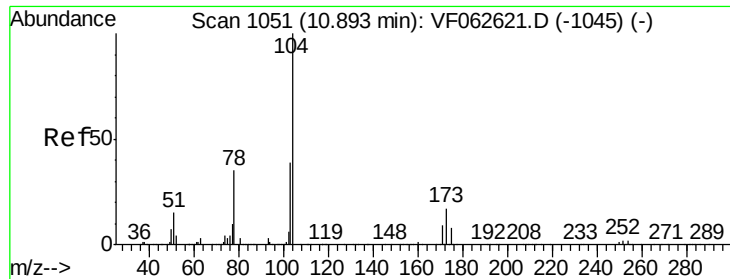
MMDadoda
5/20/2019 2:51:51 PM



#70
Styrene
Concen: 21.567 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	38.4	31.9	545989		47.9
103	46.7	36.1			54.1





#71

Bromoform

Concen: 20.135 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

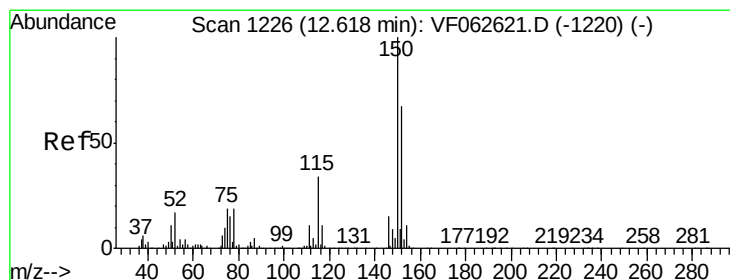
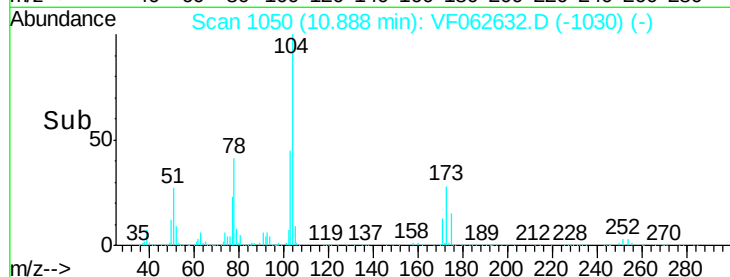
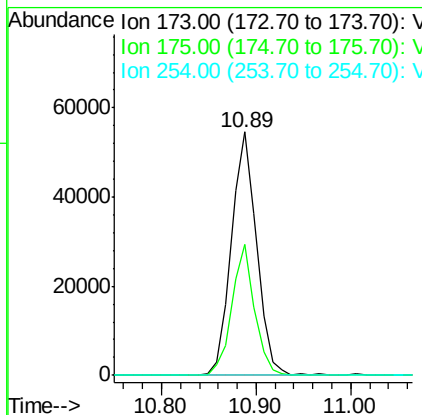
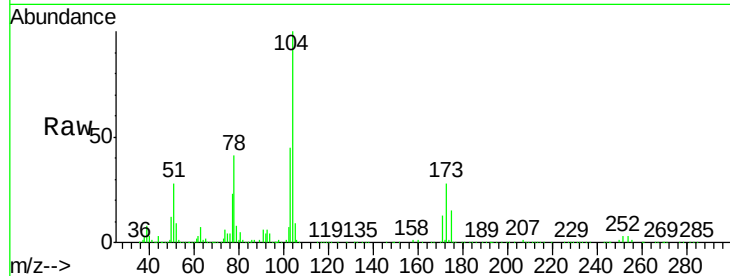
ClientSampleId :

VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	54.6	25.3	75.9	
254	0.0	0.2	0.2	

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5/20/2019 2:51:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

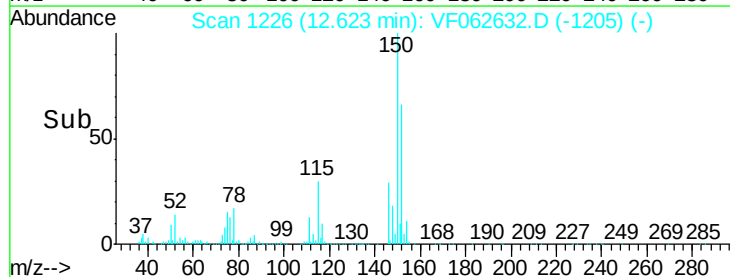
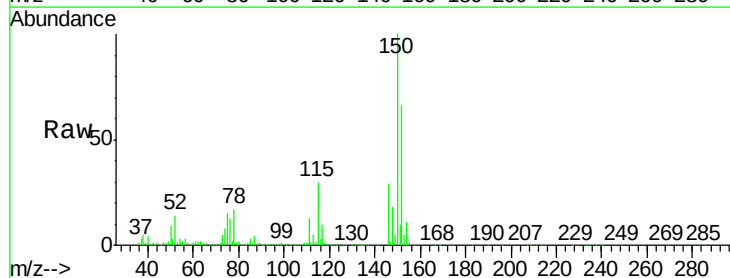
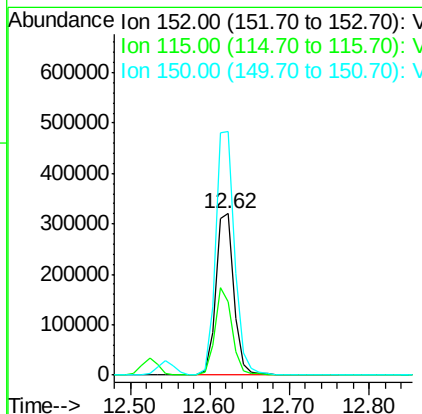
RT: 12.62 min Scan# 1226

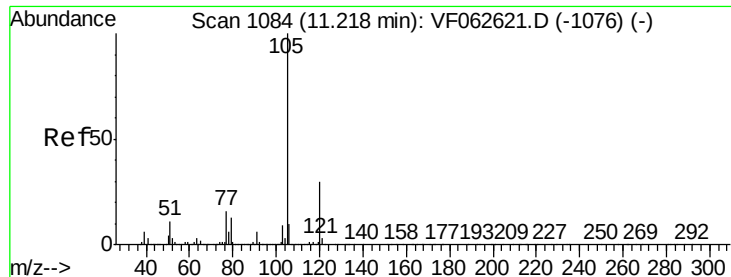
Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	45.5	25.2	75.6	
150	150.8	0.0	306.2	





#73

Isopropylbenzene

Concen: 21.741 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:105 Resp: 807236

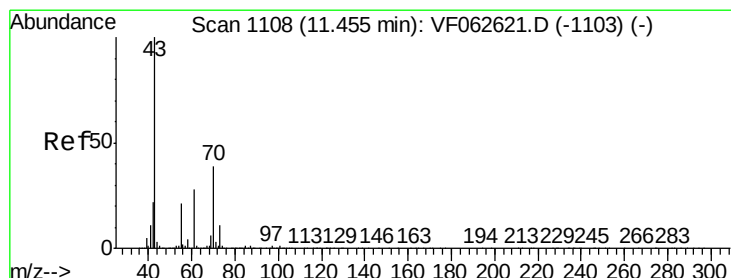
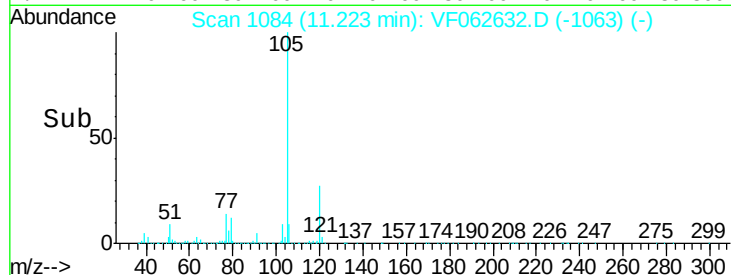
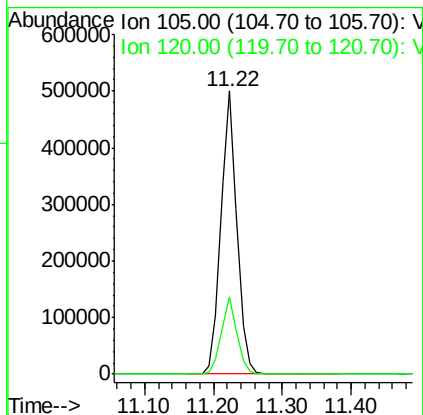
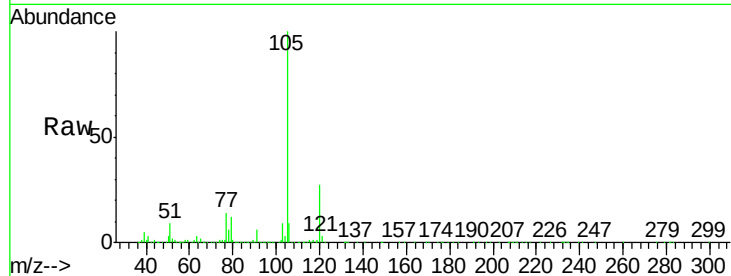
Ion Ratio Lower Upper

105 100

120 27.2 14.8 44.4

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#74

N-ethyl acetate

Concen: 17.691 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion: 43 Resp: 200072

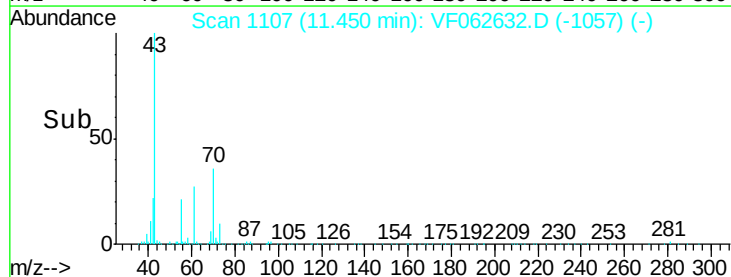
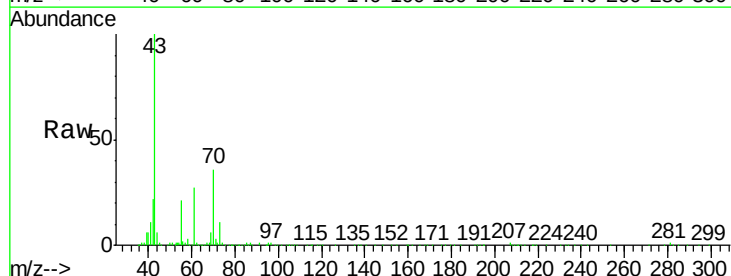
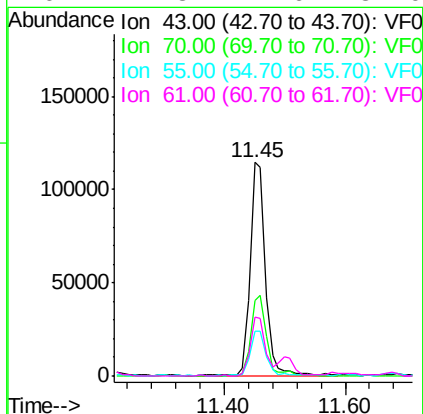
Ion Ratio Lower Upper

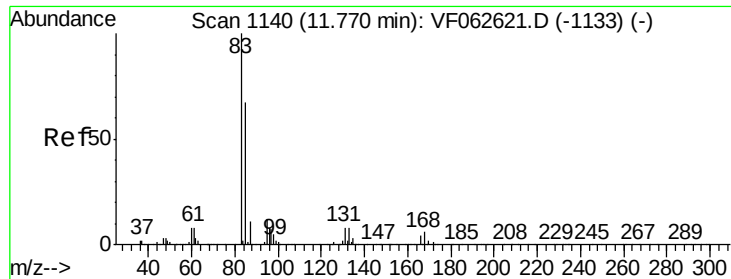
43 100

70 35.6 30.9 46.3

55 20.9 17.0 25.4

61 27.3 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.313 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

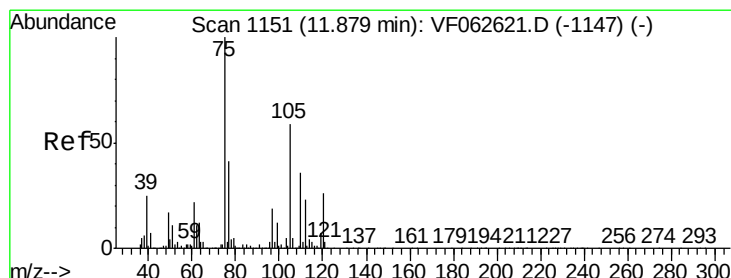
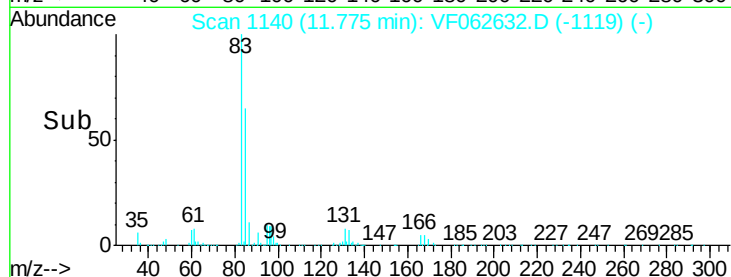
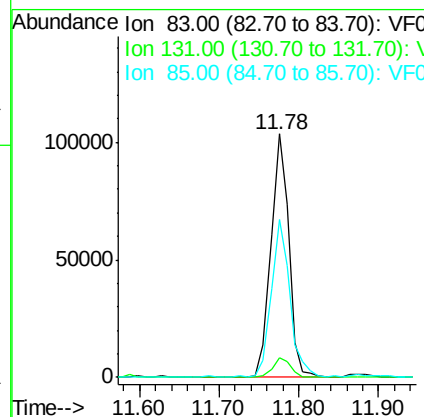
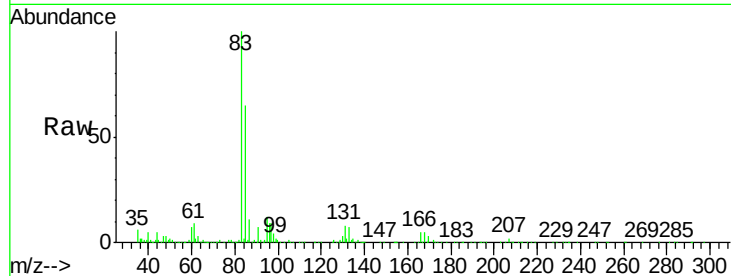
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	161724
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.0
85	65.0	33.5	100.5

Manual Integrations
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5/20/2019 2:51:51 PM



#76

1,2,3-Trichloropropane

Concen: 20.805 ug/l

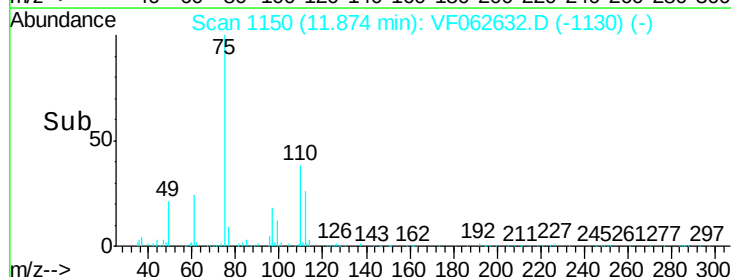
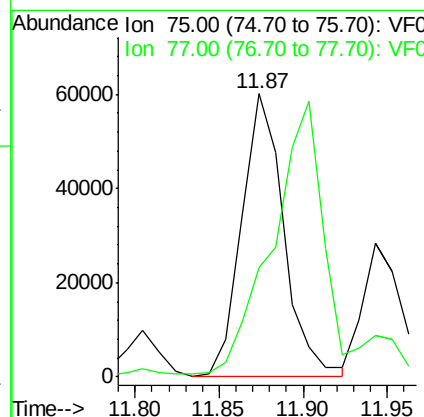
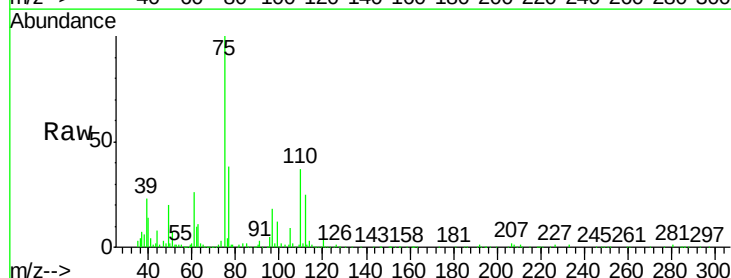
RT: 11.87 min Scan# 1150

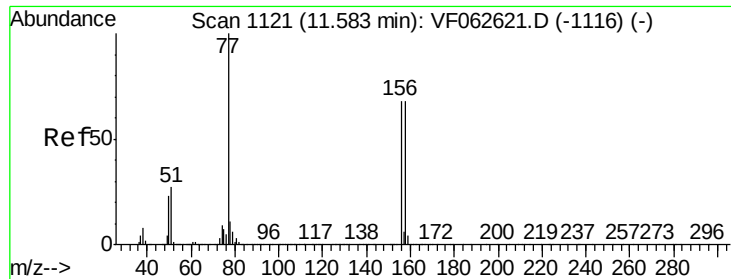
Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	75	Resp:	103728
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.6	61.8





#77

Bromobenzene

Concen: 22.188 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

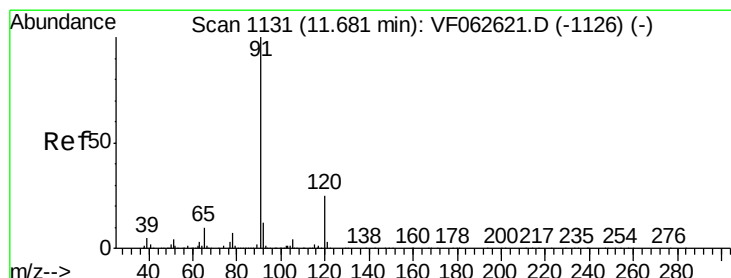
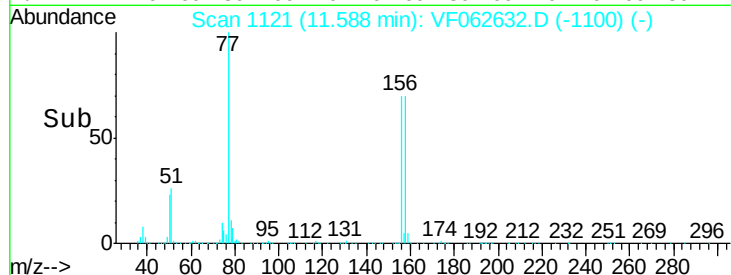
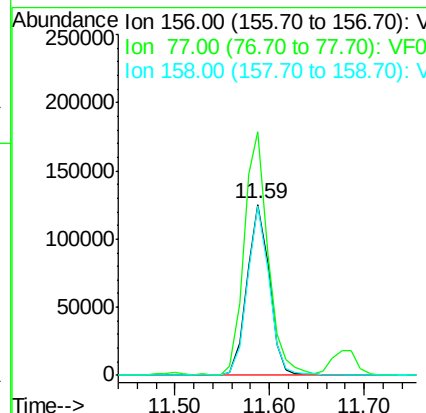
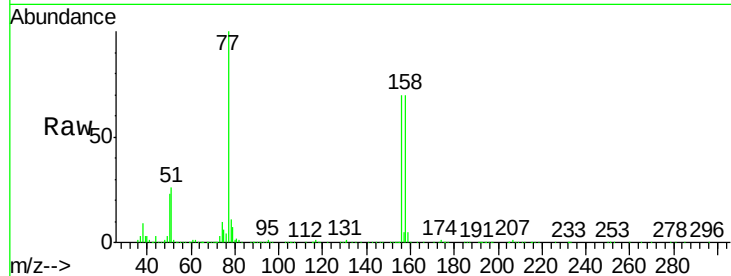
ClientSampleId :

VF0517SBS01

Tot Ion:	156	Resp:	204783
Ion Ratio	Lower	Upper	
156	100		
77	142.2	73.6	220.8
158	99.3	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 23.011 ug/l

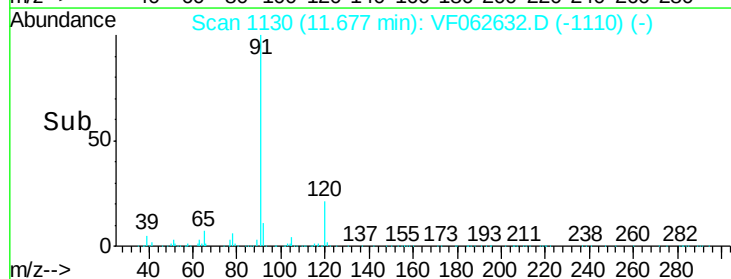
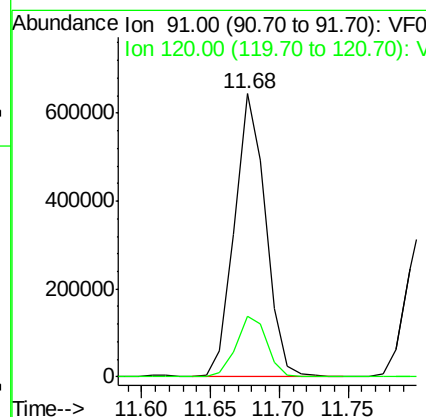
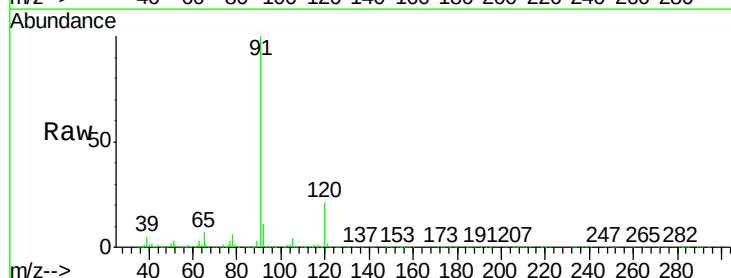
RT: 11.68 min Scan# 1130

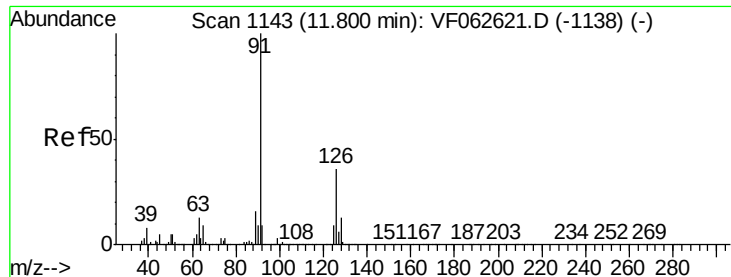
Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	91	Resp:	1011163
Ion Ratio	Lower	Upper	
91	100		
120	21.5	12.7	38.1





#79

2-Chlorotoluene

Concen: 22.693 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 91 Resp: 561968

Ion Ratio Lower Upper

91 100

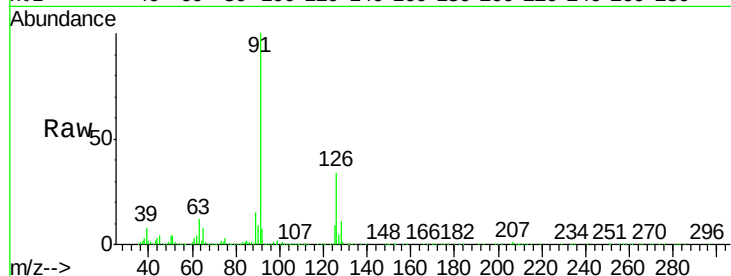
126 34.1 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

500000

400000

300000

200000

100000

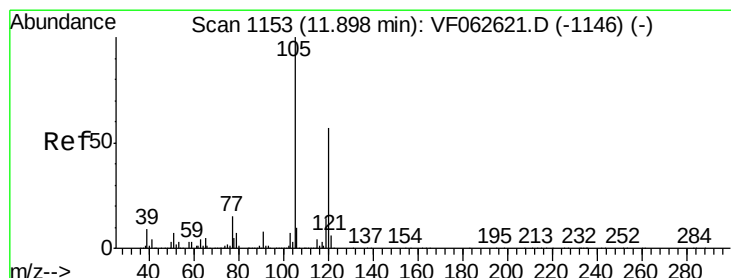
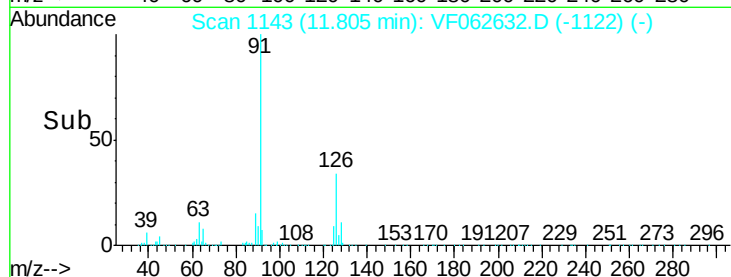
0

11.70

11.80

11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.086 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062632.D

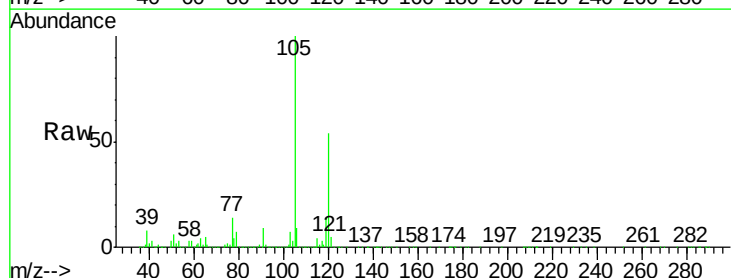
Acq: 17 May 2019 11:48

Tgt Ion:105 Resp: 627775

Ion Ratio Lower Upper

105 100

120 54.2 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

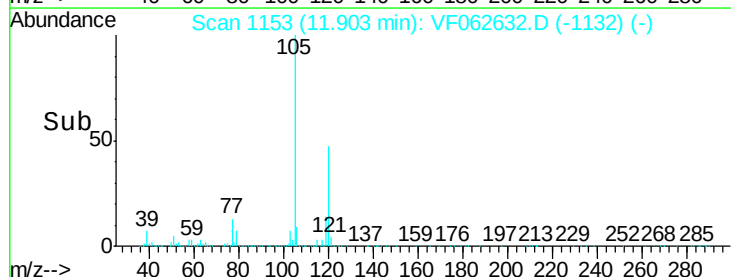
0

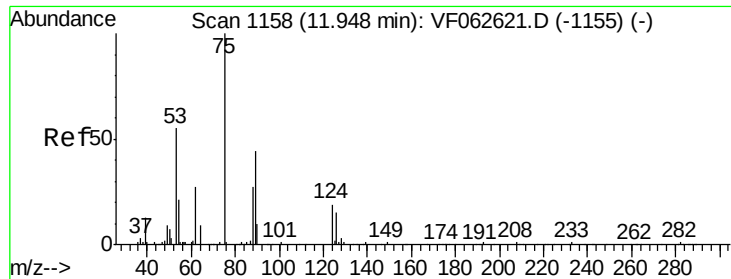
11.80

11.90

12.00

Time-->





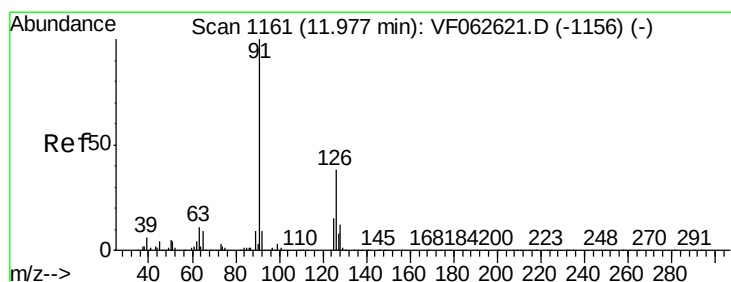
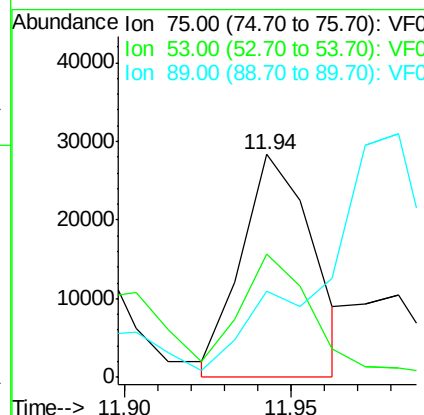
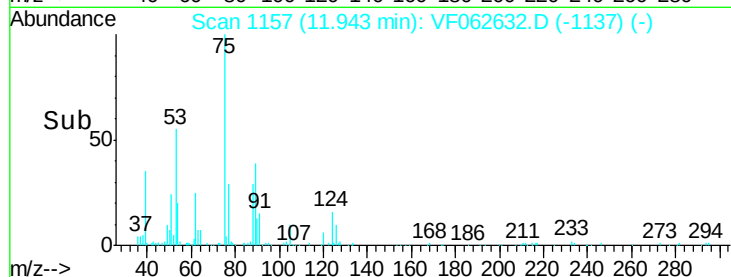
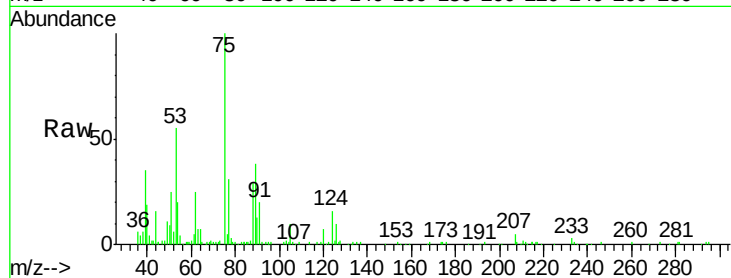
#81
trans-1,4-Dichloro-2-butene
Concen: 19.156 ug/l m
RT: 11.94 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	55.4	46.9	70.3
89	38.5	36.4	54.6

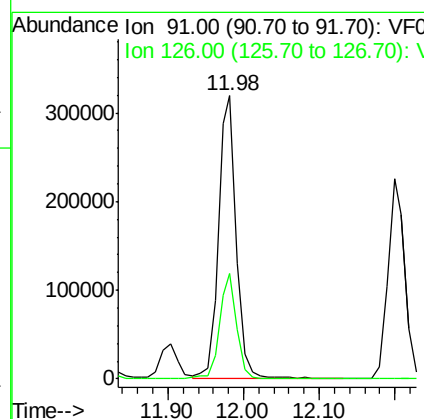
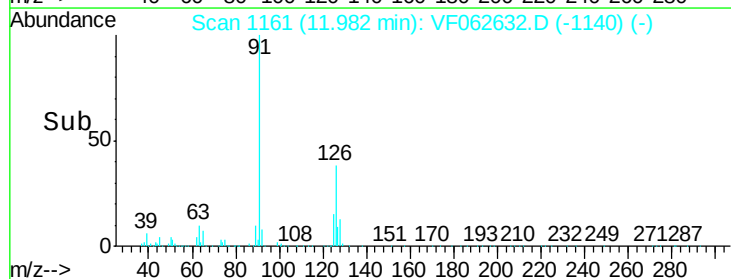
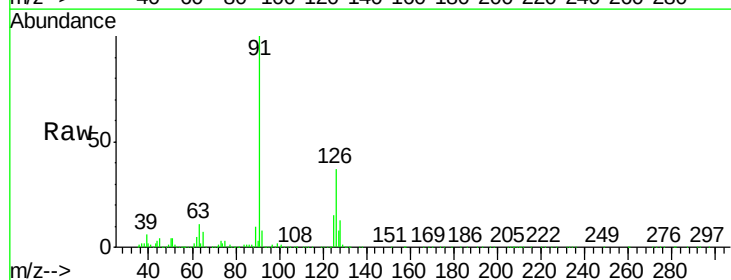
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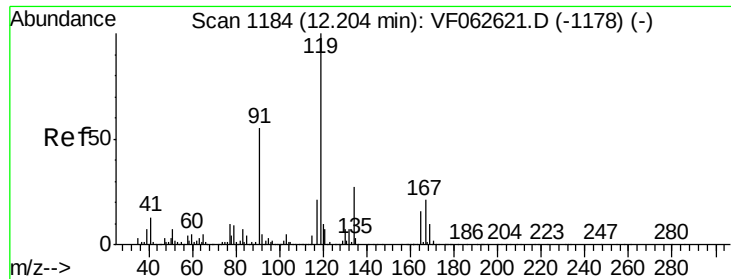
MMDadoda
5/20/2019 2:51:51 PM



#82
4-Chlorotoluene
Concen: 21.448 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	19.1	57.1





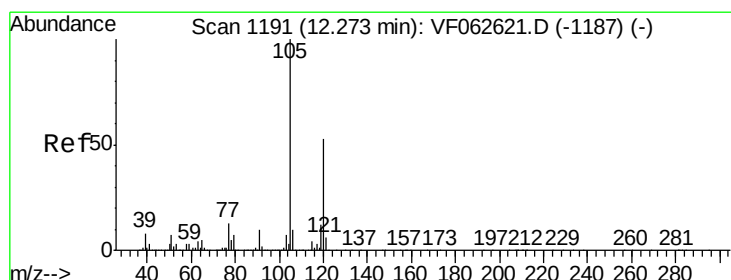
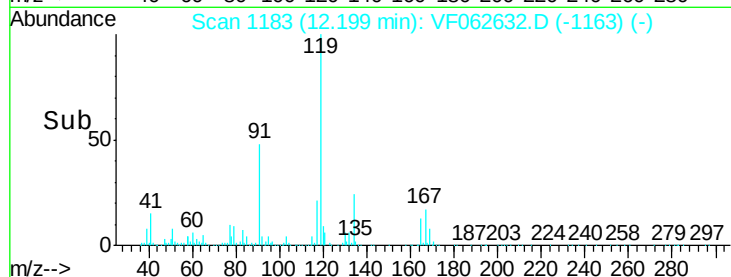
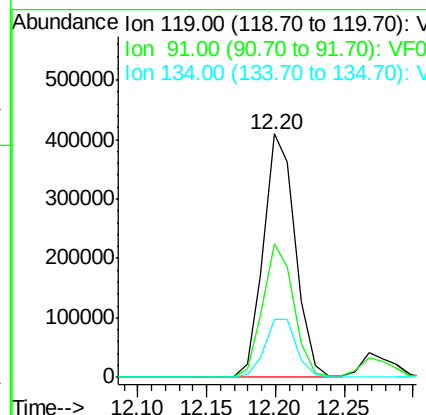
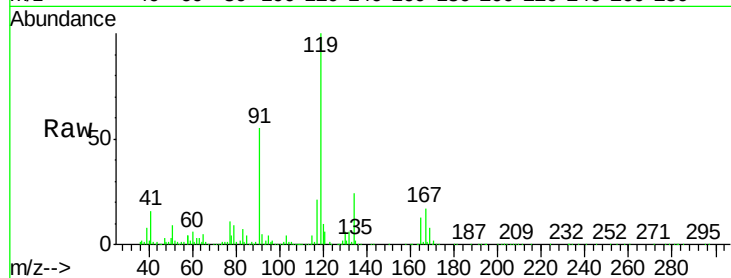
#83
 tert-Butylbenzene
 Concen: 21.990 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	664208		
91	55.1	27.3	81.9	
134	23.7	13.6	40.7	

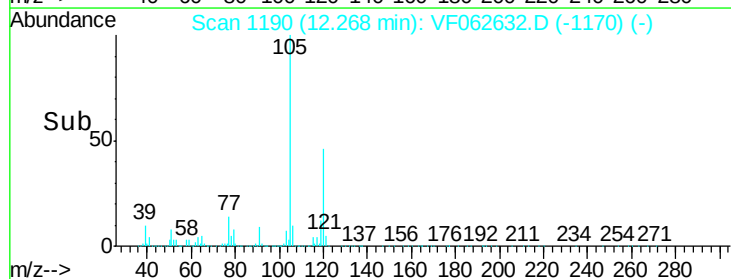
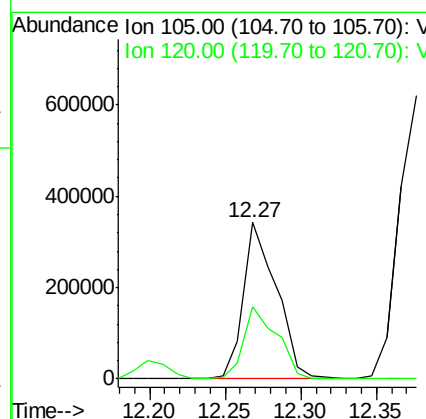
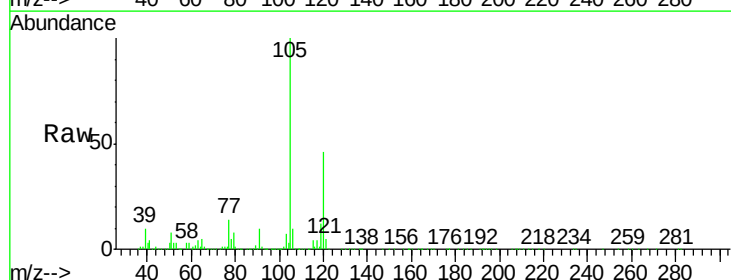
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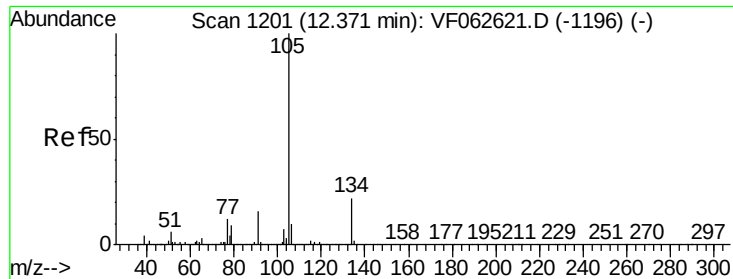
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.074 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	520826		
120	46.1	26.7	80.1	





#85

sec-Butylbenzene

Concen: 21.959 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:105 Resp: 890145

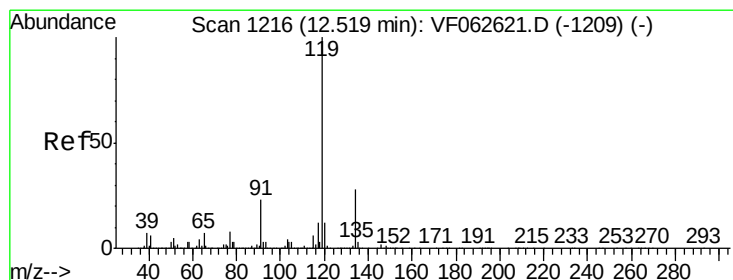
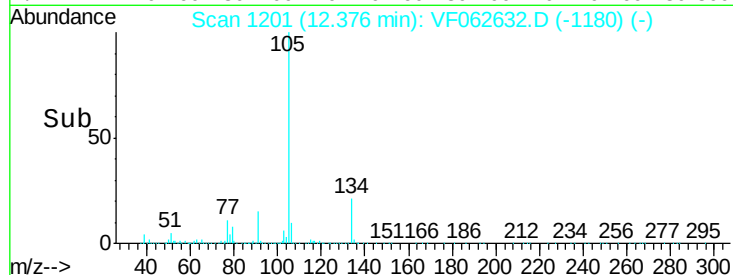
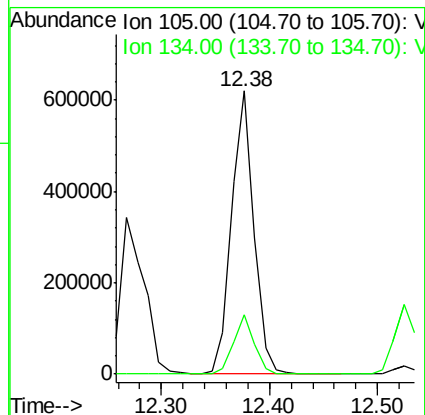
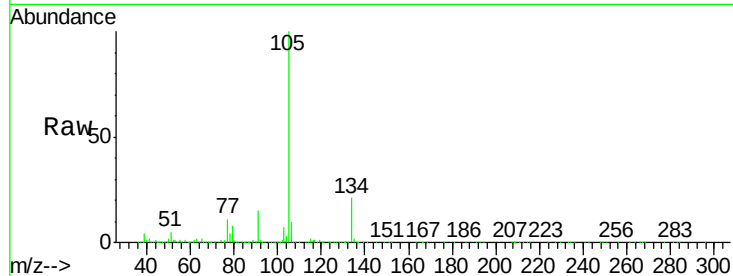
Ion Ratio Lower Upper

105 100

134 21.0 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.344 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

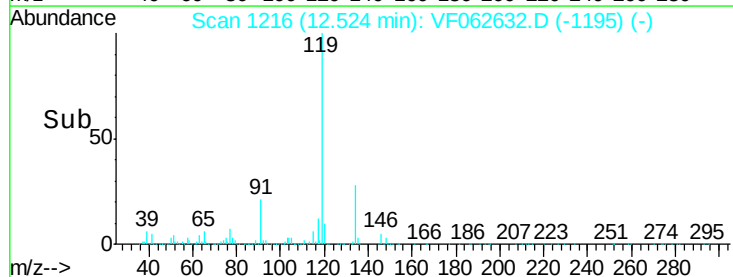
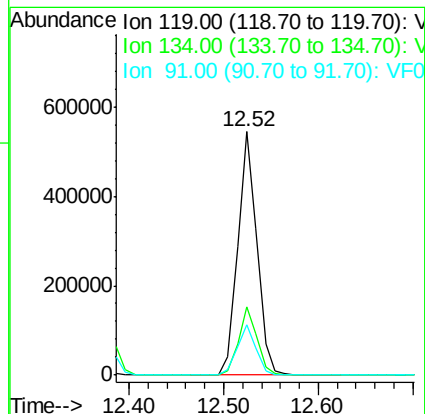
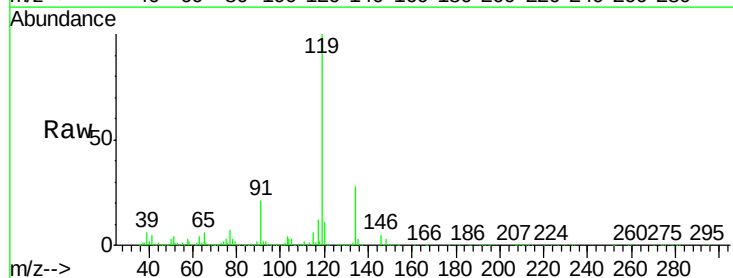
Tgt Ion:119 Resp: 763321

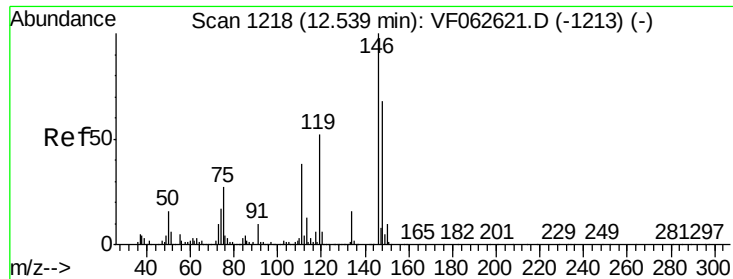
Ion Ratio Lower Upper

119 100

134 28.1 14.1 42.3

91 20.9 11.4 34.2





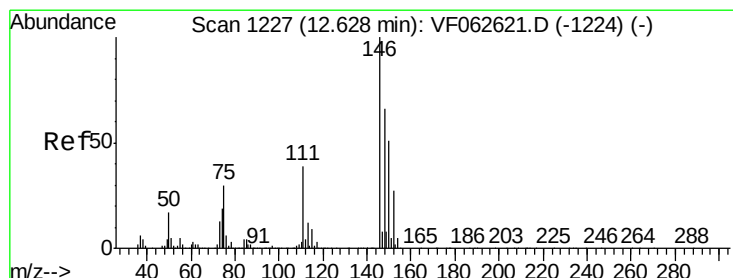
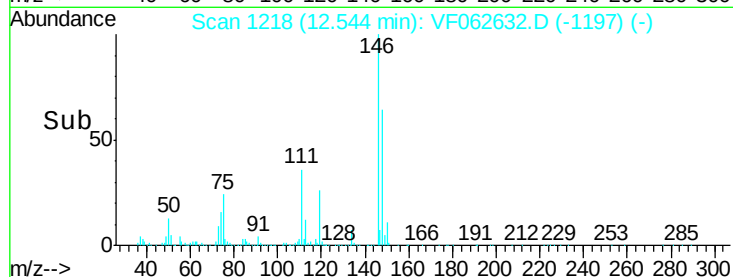
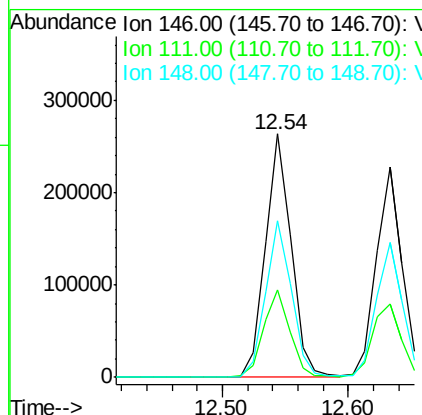
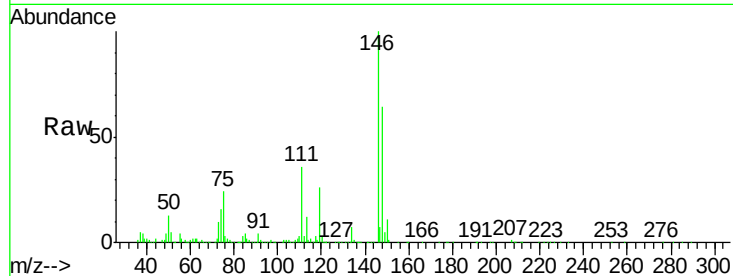
#87
 1,3-Dichlorobenzene
 Concen: 22.663 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	64.4	34.0	101.8

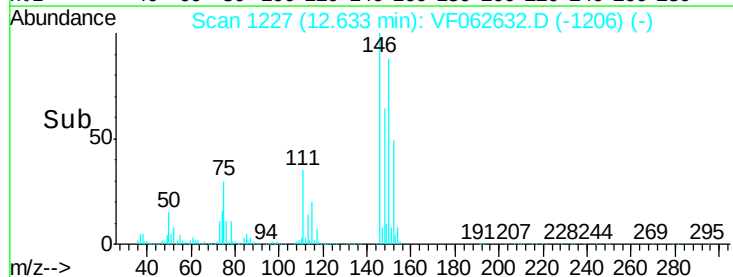
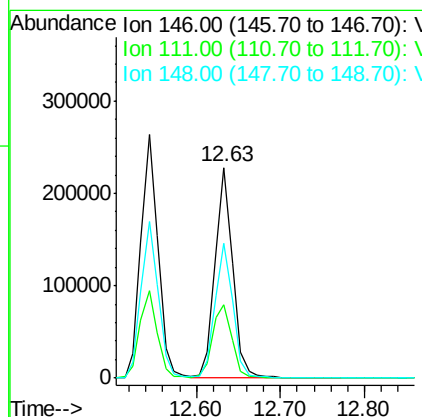
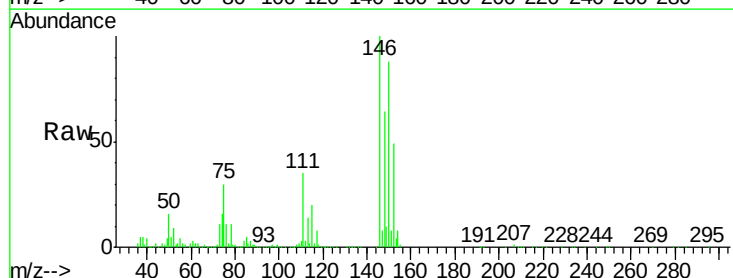
Manual Integrations
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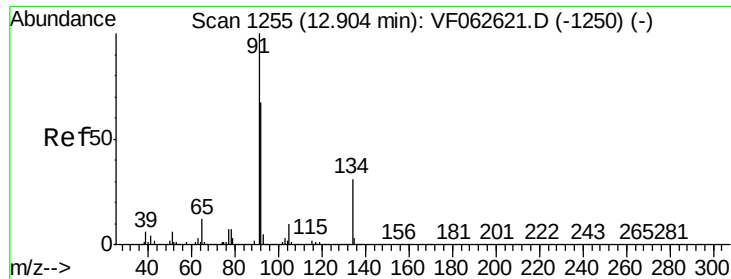
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 5/20/2019 2:51:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.358 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.4	58.2
148	64.2	33.2	99.6





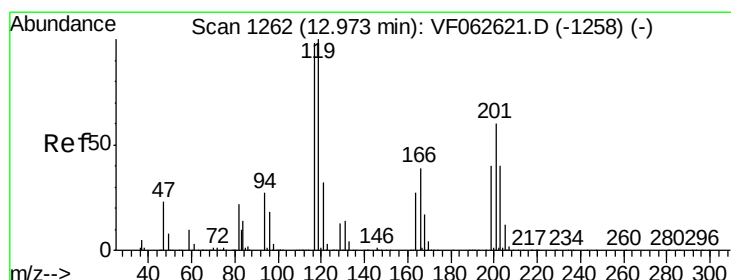
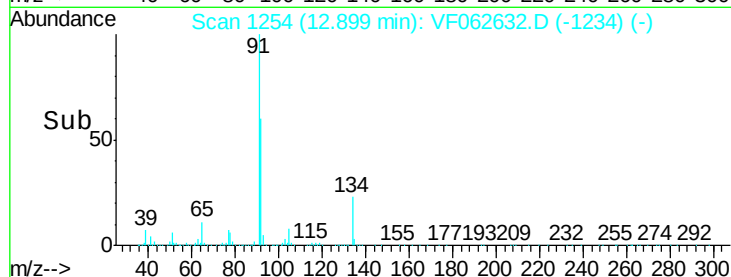
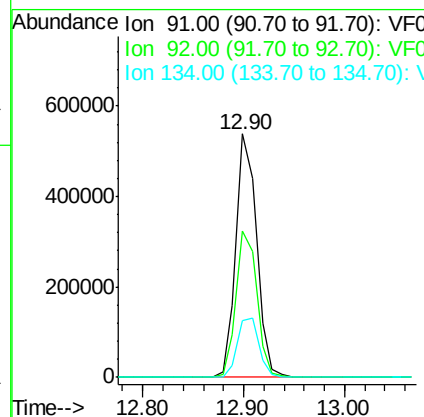
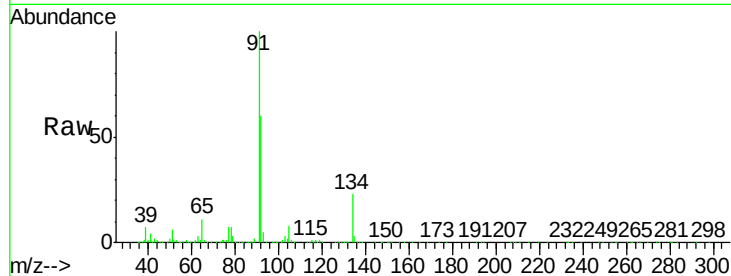
#89
n-Butylbenzene
Concen: 22.807 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.9	33.3	99.8
134	23.3	15.4	46.4

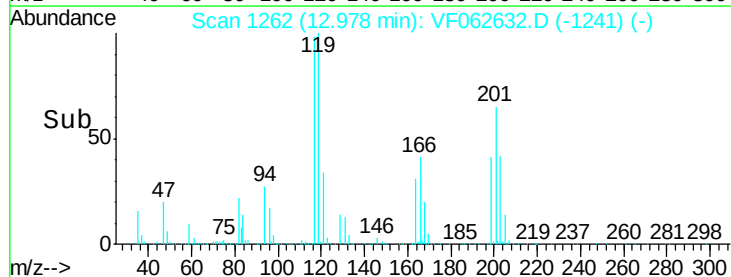
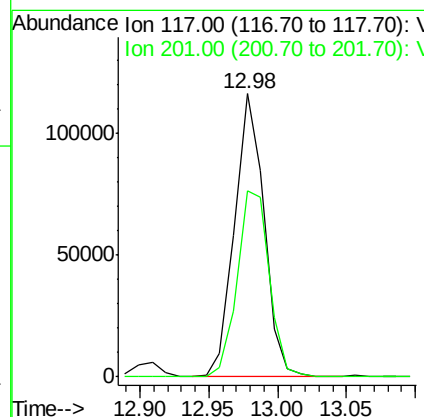
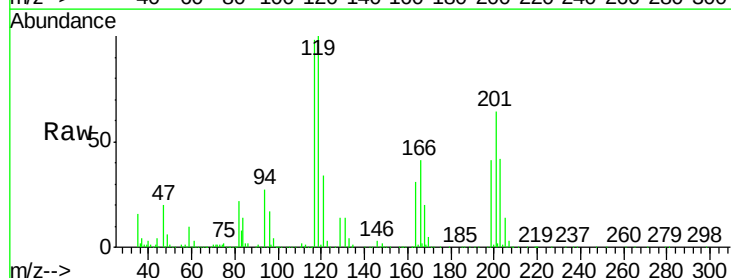
Manual Integrations
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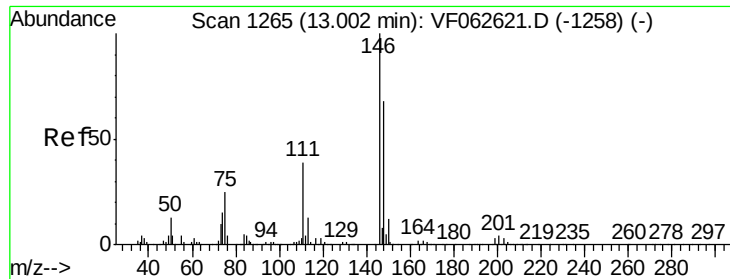
MMDadoda
5/20/2019 2:51:51 PM



#90
Hexachloroethane
Concen: 21.130 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062632.D
Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.9	30.7	92.1





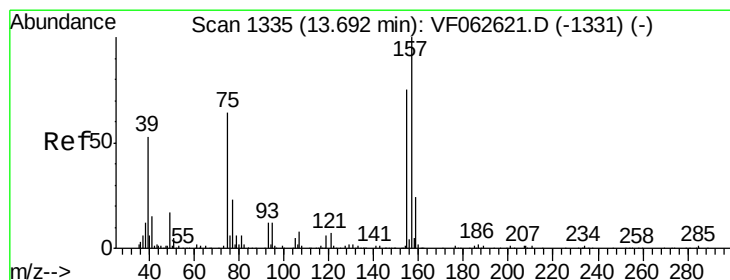
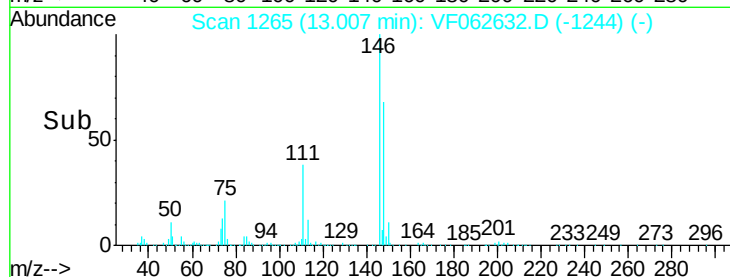
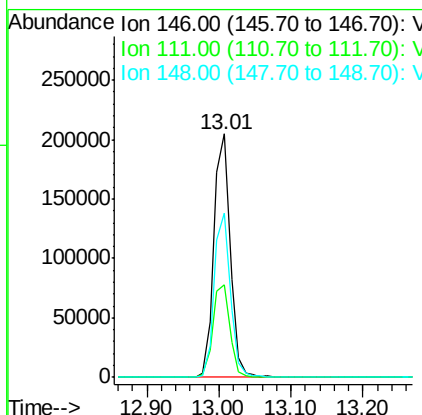
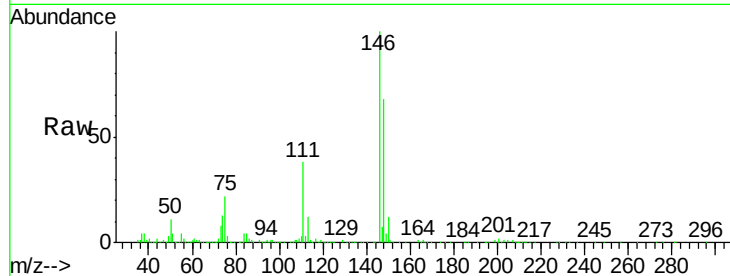
#91
 1,2-Dichlorobenzene
 Concen: 21.410 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.8	59.3
148	67.7	34.1	102.2

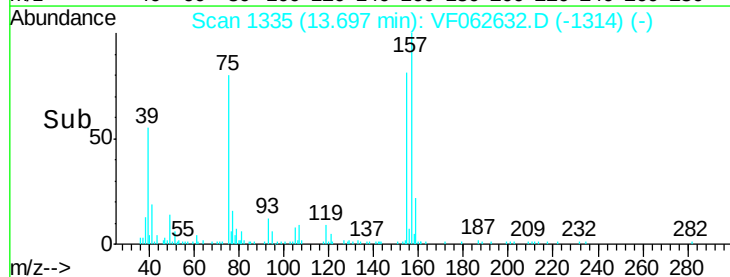
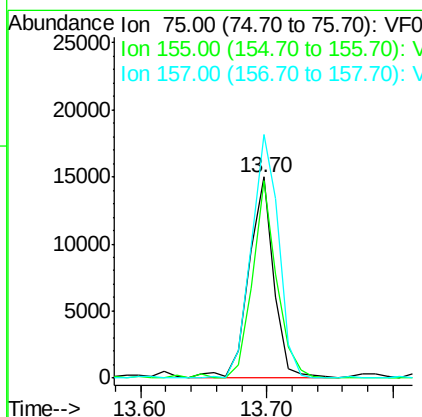
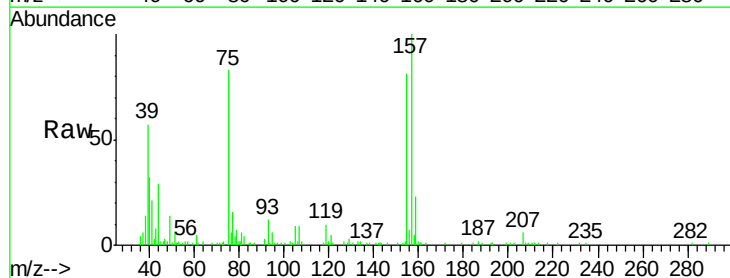
Manual Integrations
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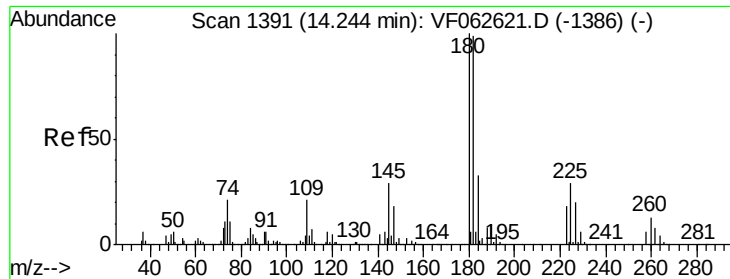
MMDadoda
 5/20/2019 2:51:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.718 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.3	58.1	174.3
157	121.1	77.8	233.4





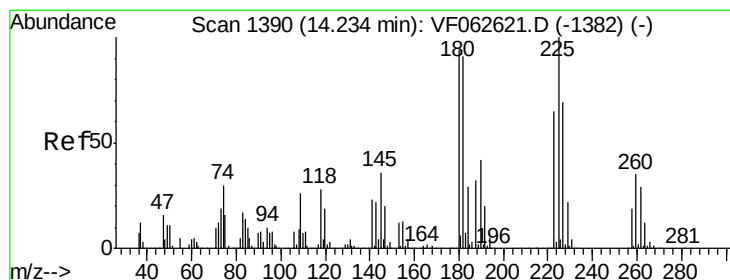
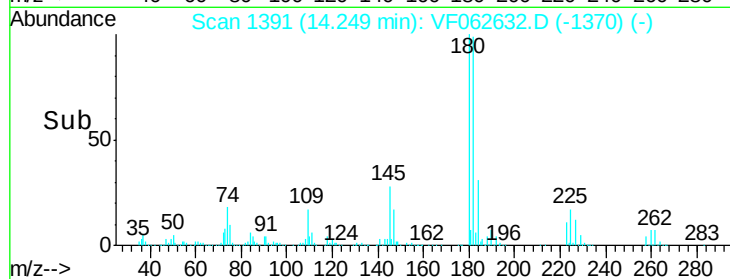
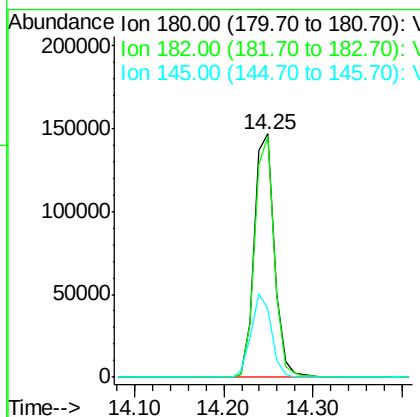
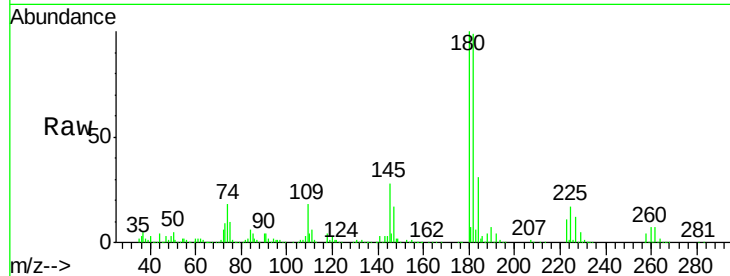
#93
 1,2,4-Trichlorobenzene
 Concen: 21.289 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	226814		
182	99.3	49.7	149.1	
145	27.9	14.6	44.0	

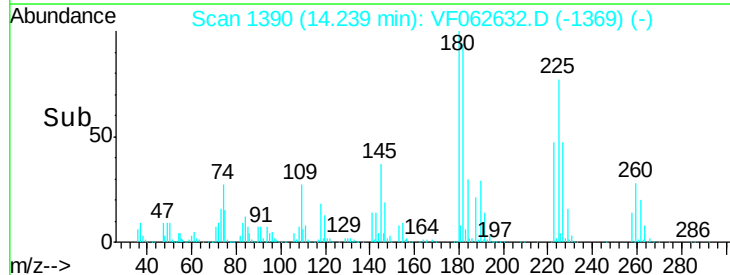
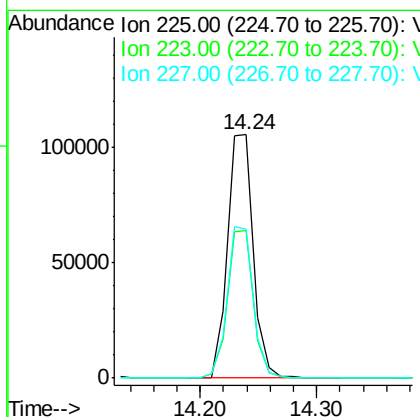
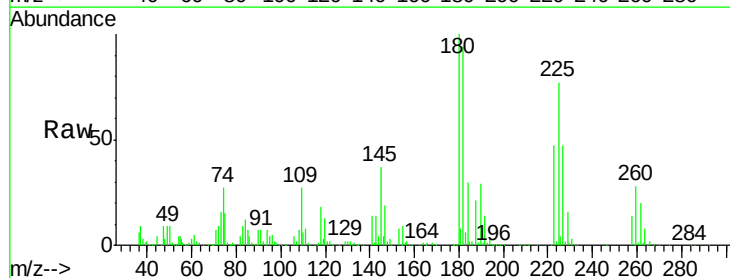
Manual Integrations
 APPROVED

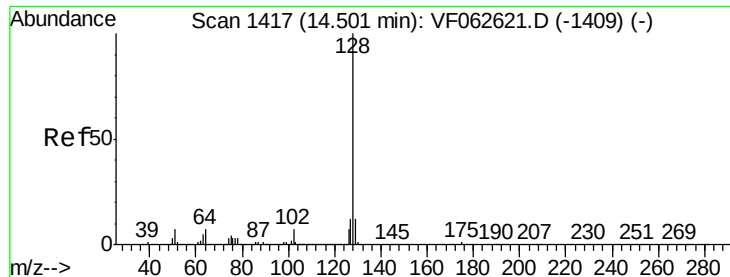
MMDadoda
 5/20/2019 2:51:51 PM



#94
 Hexachlorobutadiene
 Concen: 21.675 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062632.D
 Acq: 17 May 2019 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161160		
223	60.5	32.5	97.4	
227	61.4	34.5	103.5	





#95

Naphthalene

Concen: 18.179 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Instrument :

MSVOA_F

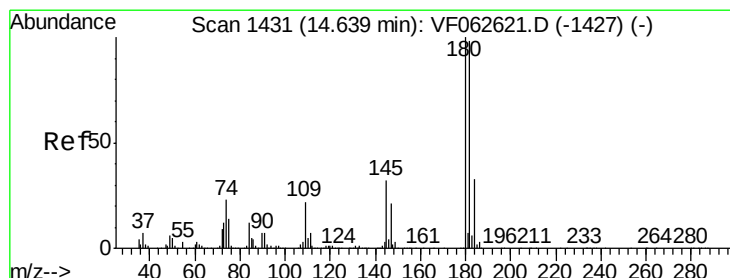
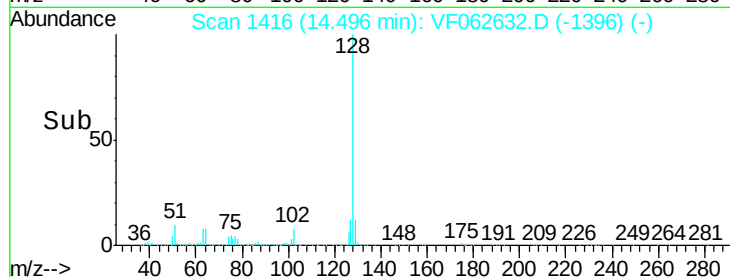
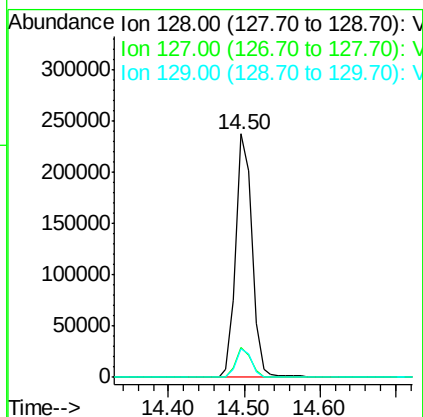
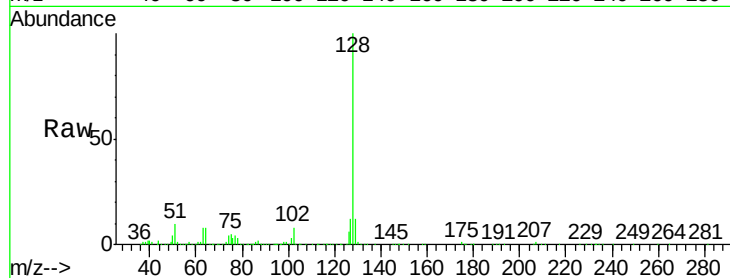
ClientSampleId :

VF0517SBS01

Tot Ion:	128	Resp:	351867
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.7	14.5
129	11.5	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 2:51:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.265 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062632.D

Acq: 17 May 2019 11:48

Tgt Ion:	180	Resp:	204510
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.9	146.7
145	28.2	16.1	48.2

