

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062923.D
 Acq On : 12 Jun 2019 13:13
 Operator : FY/SY
 Sample : VF0612SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:33:02 AM

Quant Time: Jun 13 08:47:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	785750	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1249971	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	959601	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	429020	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	270210	49.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.46%	
35) Dibromofluoromethane	4.30	113	504118	53.37	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	106.74%	
50) Toluene-d8	7.70	98	1312473	54.95	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.90%	
62) 4-Bromofluorobenzene	11.49	95	416905	48.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	199287	19.815	ug/l	100
3) Chloromethane	1.14	50	148252	18.235	ug/l	95
4) Vinyl Chloride	1.19	62	153065	18.945	ug/l	94
5) Bromomethane	1.41	94	87959	19.090	ug/l	98
6) Chloroethane	1.44	64	55881	18.499	ug/l	90
7) Trichlorofluoromethane	1.55	101	236489m	20.677	ug/l	
8) Diethyl Ether	1.71	74	39971	17.763	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.93	101	136747	19.017	ug/l	93
10) Methyl Iodide	1.99	142	269371m	18.683	ug/l	
11) Tert butyl alcohol	2.71	59	29860	90.717	ug/l #	89
12) 1,1-Dichloroethene	1.88	96	121220	18.565	ug/l	97
13) Acrolein	2.10	56	12074	86.468	ug/l #	66
14) Allyl chloride	2.19	41	90488	17.863	ug/l	96
15) Acrylonitrile	3.10	53	112613	91.049	ug/l	94
16) Acetone	2.34	43	113979	91.652	ug/l	97
17) Carbon Disulfide	1.92	76	346396m	18.151	ug/l	
18) Methyl Acetate	2.46	43	41201	18.959	ug/l #	82
19) Methyl tert-butyl Ether	2.55	73	226659	19.160	ug/l	97
20) Methylene Chloride	2.34	84	133127m	19.559	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	125575	19.181	ug/l	93
22) Diisopropyl ether	2.93	45	273926	19.033	ug/l	93
23) Vinyl Acetate	3.35	43	929728	94.361	ug/l	99
24) 1,1-Dichloroethane	3.01	63	202387	18.834	ug/l	100
25) 2-Butanone	4.52	43	279582	96.538	ug/l	99
26) 2,2-Dichloropropane	3.76	77	127188	20.846	ug/l	93
27) cis-1,2-Dichloroethene	3.64	96	217661	19.778	ug/l	97
28) Bromochloromethane	3.90	49	110221	18.857	ug/l	87
29) Tetrahydrofuran	4.26	42	116853	105.494	ug/l	98
30) Chloroform	4.05	83	306088	20.211	ug/l	99
31) Cyclohexane	3.87	56	275155m	18.913	ug/l	
32) 1,1,1-Trichloroethane	4.28	97	189061	21.441	ug/l	90
36) 1,1-Dichloropropene	4.47	75	232770	20.228	ug/l	95
37) Ethyl Acetate	4.30	43	100473	22.841	ug/l #	92
38) Carbon Tetrachloride	4.19	117	166779	21.445	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	281398	19.648	ug/l	95
40) Benzene	4.82	78	683680	20.414	ug/l	100
41) Methacrylonitrile	4.93	41	49871	20.394	ug/l	92
42) 1,2-Dichloroethane	5.12	62	135143	21.217	ug/l	99
43) Isopropyl Acetate	7.10	43	126172	21.713	ug/l #	90
44) Trichloroethene	5.68	130	193974	20.523	ug/l	97
45) 1,2-Dichloropropane	6.41	63	160338	19.078	ug/l	93
46) Dibromomethane	6.26	93	105338	21.468	ug/l	93
47) Bromodichloromethane	6.54	83	209495	20.964	ug/l	93
48) Methyl methacrylate	6.88	41	56191	18.764	ug/l	93
49) 1,4-Dioxane	6.88	88	17110	433.457	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	443022	106.789	ug/l	99
52) Toluene	7.77	92	407011	22.564	ug/l	95
53) t-1,3-Dichloropropene	8.41	75	188008	22.705	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	276393	23.059	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	118657	22.019	ug/l	94
56) Ethyl methacrylate	8.75	69	112748	19.500	ug/l	95
57) 1,3-Dichloropropane	8.99	76	179391	20.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	257018	127.188	ug/l	97
59) 2-Hexanone	9.62	43	346877	117.308	ug/l	90
60) Dibromochloromethane	8.86	129	135318	20.282	ug/l	100
61) 1,2-Dibromoethane	9.12	107	99061	17.700	ug/l	95
64) Tetrachloroethene	8.31	164	122425	16.602	ug/l #	88
65) Chlorobenzene	9.92	112	377252	20.357	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.05	131	142598	19.322	ug/l	93
67) Ethyl Benzene	10.02	91	629247	19.787	ug/l	96
68) m/p-Xylenes	10.26	106	461558	37.929	ug/l	84
69) o-Xylene	10.81	106	234351	19.021	ug/l	94
70) Styrene	10.89	104	322372	17.752	ug/l	97
71) Bromoform	10.87	173	75406	21.298	ug/l #	92
73) Isopropylbenzene	11.20	105	722221	24.126	ug/l	92
74) N-amyl acetate	11.44	43	201736	23.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	140750	22.017	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	98746	23.303	ug/l	89
77) Bromobenzene	11.58	156	155024	20.611	ug/l	94
78) n-propylbenzene	11.67	91	813465	22.506	ug/l	91
79) 2-Chlorotoluene	11.80	91	446424	21.585	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	549227	22.435	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	39554m	22.048	ug/l	
82) 4-Chlorotoluene	11.96	91	445245	21.906	ug/l	93
83) tert-Butylbenzene	12.19	119	549086	22.636	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	522973	22.531	ug/l	89
85) sec-Butylbenzene	12.37	105	700049	21.901	ug/l	98
86) p-Isopropyltoluene	12.51	119	604633	22.726	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	282129	21.269	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	257350	20.788	ug/l	95
89) n-Butylbenzene	12.89	91	651485	24.343	ug/l	87
90) Hexachloroethane	12.97	117	153847	23.709	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	245771	21.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17319	24.867	ug/l	70

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	168654	21.068	ug/l	98
94) Hexachlorobutadiene	14.22	225	115613	20.876	ug/l	99
95) Naphthalene	14.49	128	284669	21.705	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	155927	21.338	ug/l	97

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

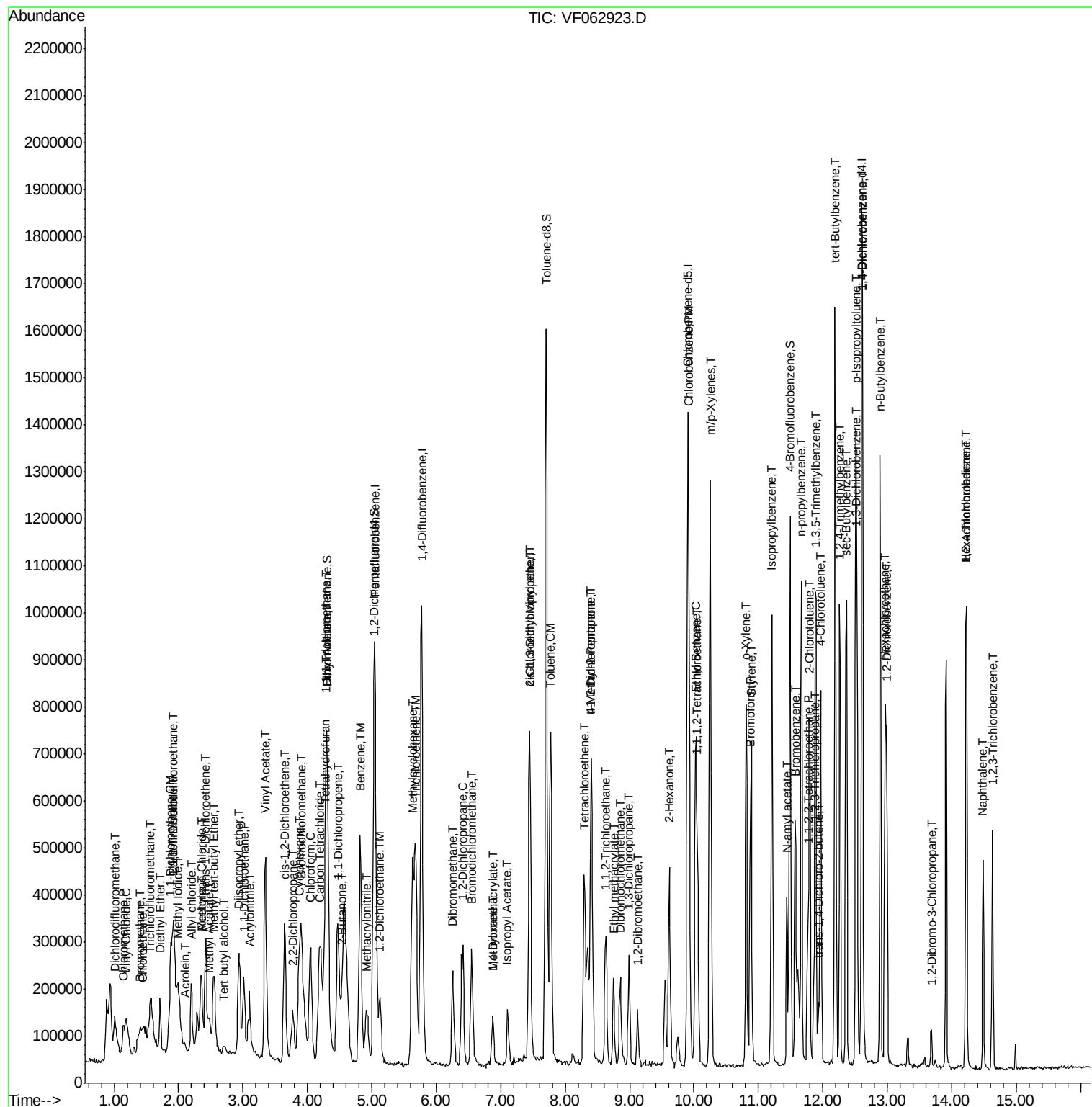
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062923.D
Acq On : 12 Jun 2019 13:13
Operator : FY/SY
Sample : VF0612SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

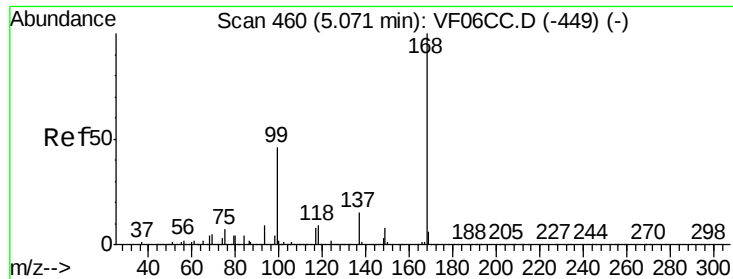
Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

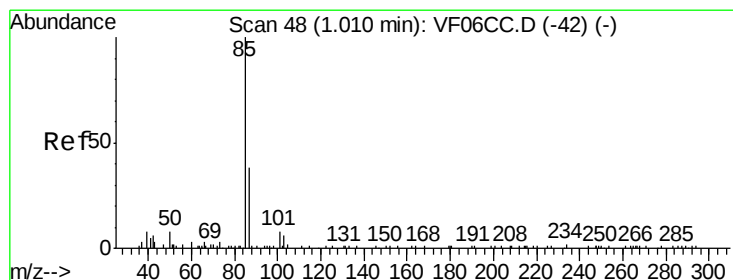
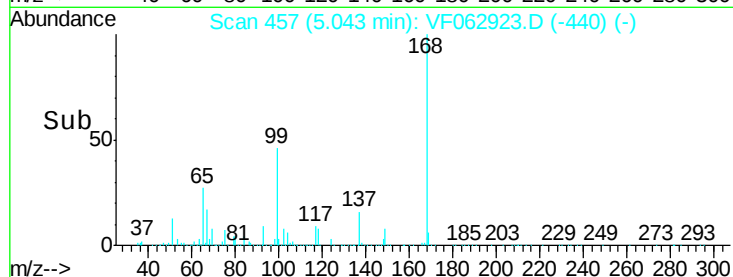
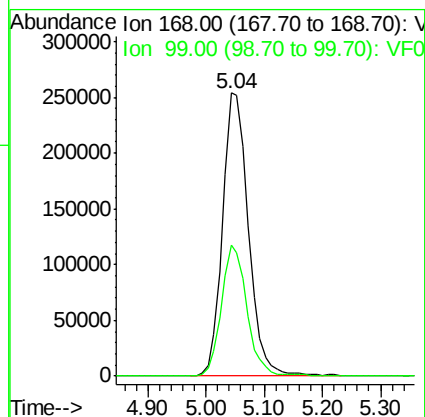
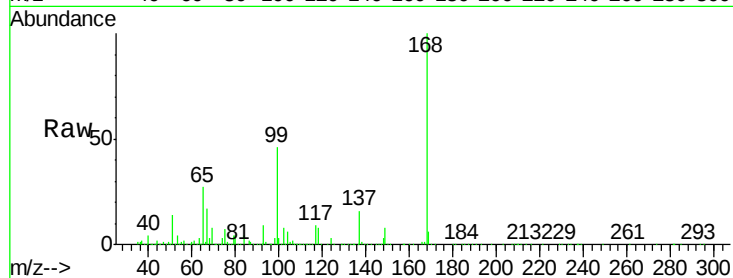
ClientSampleId :

VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.3	39.1	58.7

Manual Integrations
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6/13/2019 11:33:02 AM



#2

Dichlorodifluoromethane

Concen: 19.815 ug/l

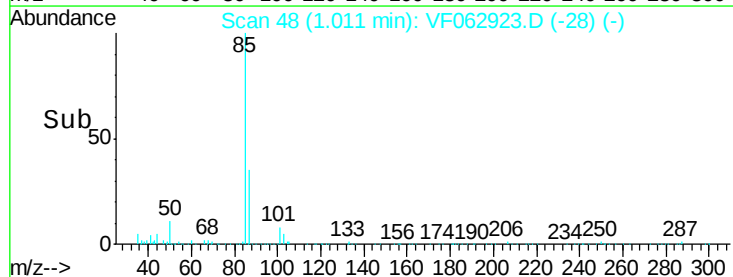
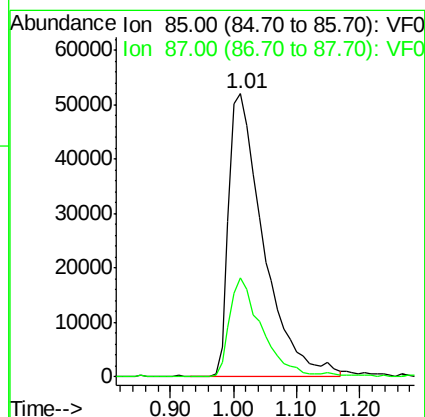
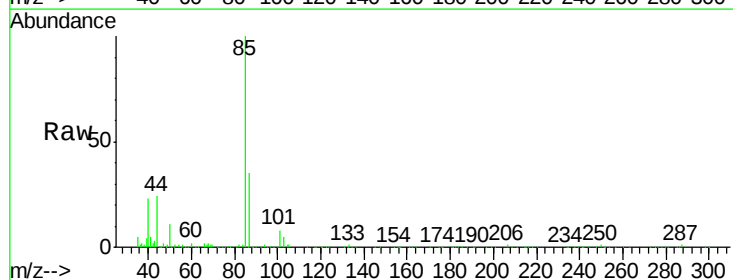
RT: 1.01 min Scan# 48

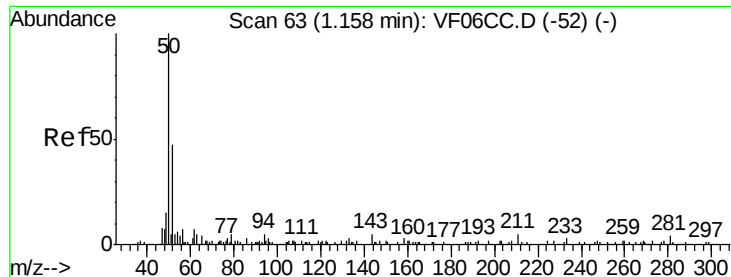
Delta R.T. 0.00 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.1	17.6	52.9





#3

Chloromethane

Concen: 18.235 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion: 50 Resp: 148252

Ion Ratio Lower Upper

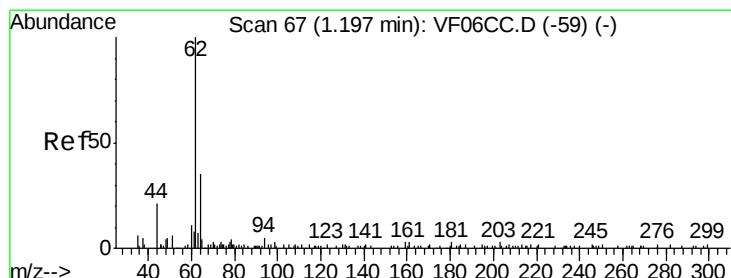
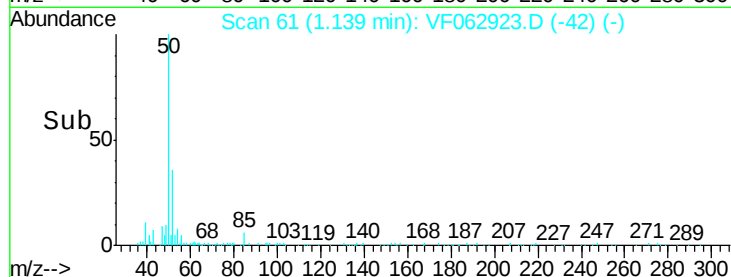
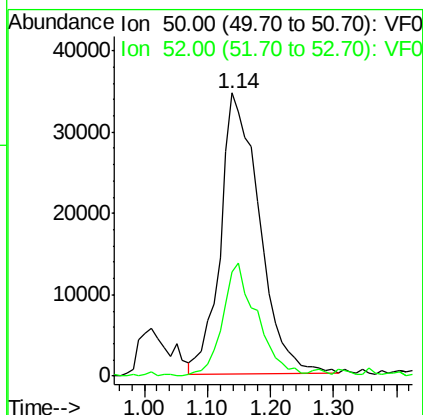
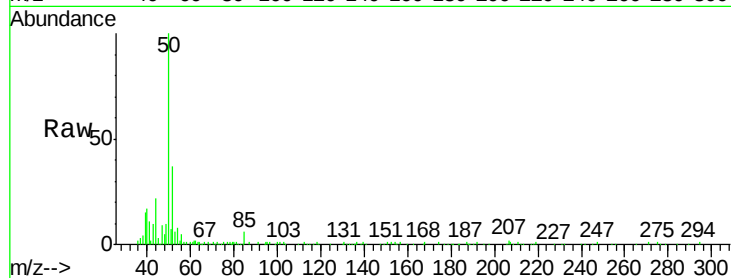
50 100

52 36.6 27.0 40.4

Manual Integrations
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6/13/2019 11:33:02 AM



#4

Vinyl Chloride

Concen: 18.945 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062923.D

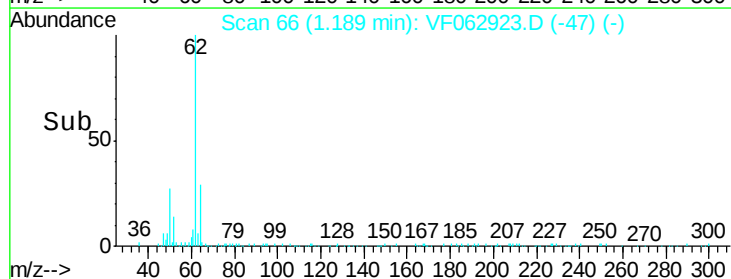
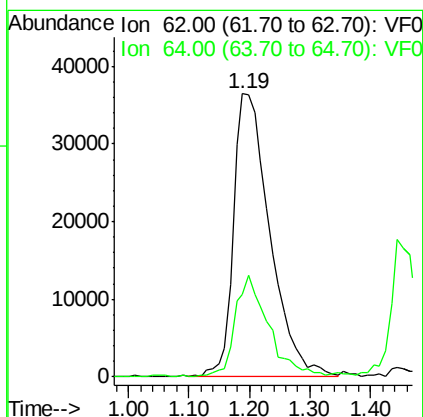
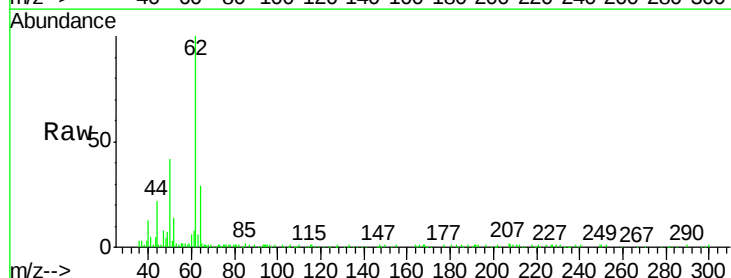
Acq: 12 Jun 2019 13:13

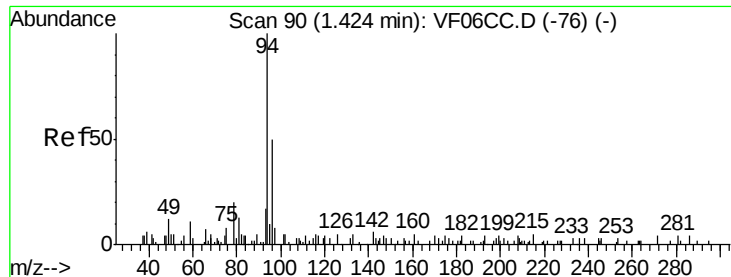
Tgt Ion: 62 Resp: 153065

Ion Ratio Lower Upper

62 100

64 29.3 26.2 39.2





#5

Bromomethane

Concen: 19.090 ug/l

RT: 1.41 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion: 94 Resp: 87959

Ion Ratio Lower Upper

94 100

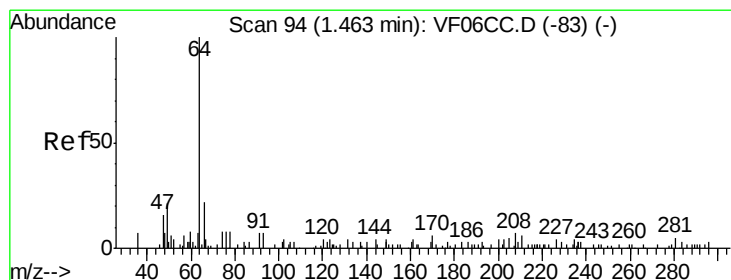
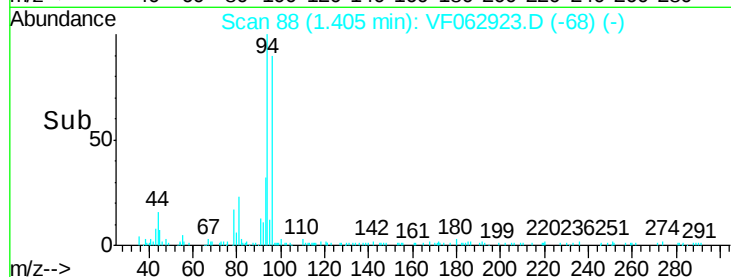
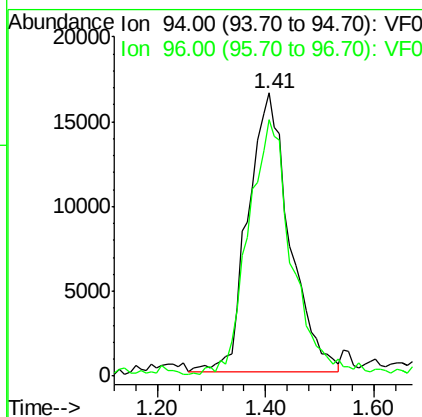
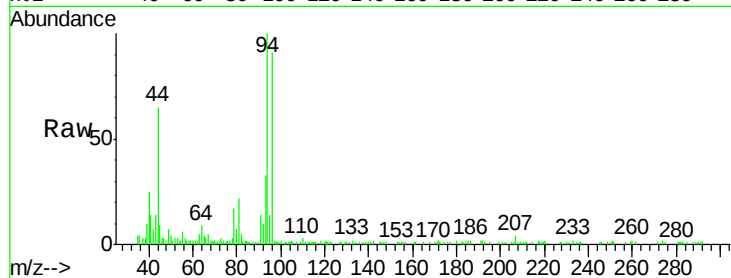
96 90.7 73.8 110.6

Manual Integrations

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6/13/2019 11:33:02 AM



#6

Chloroethane

Concen: 18.499 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062923.D

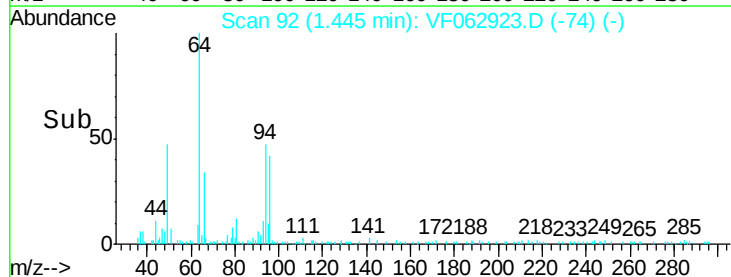
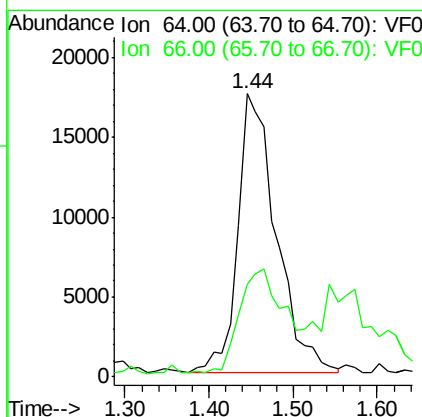
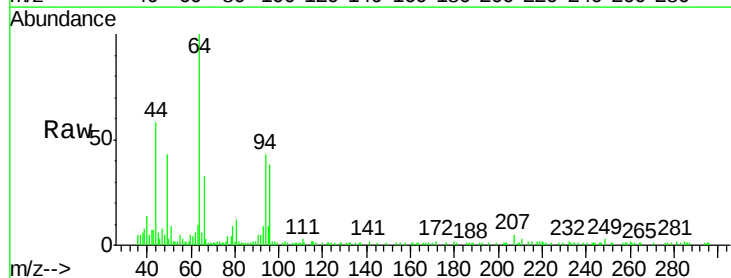
Acq: 12 Jun 2019 13:13

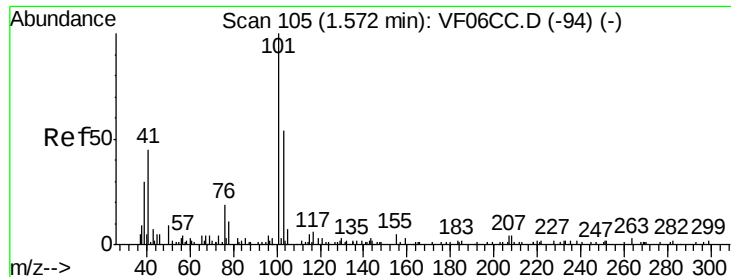
Tgt Ion: 64 Resp: 55881

Ion Ratio Lower Upper

64 100

66 32.8 31.0 46.4





#7

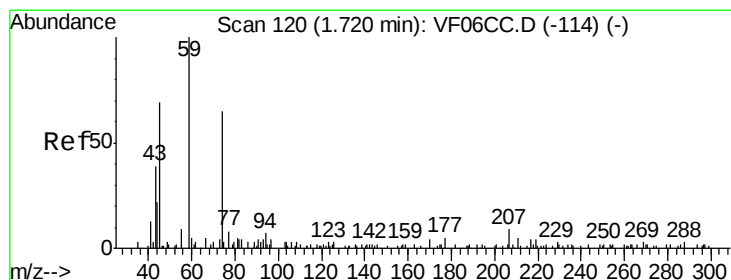
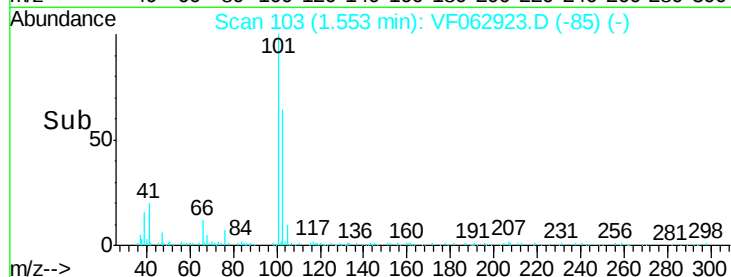
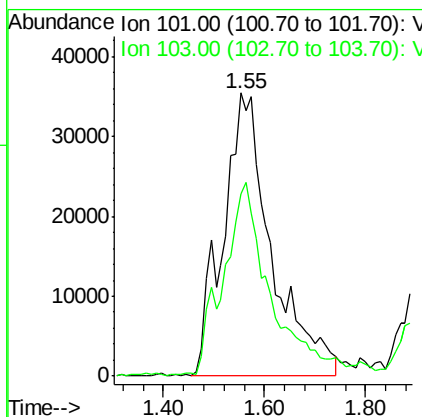
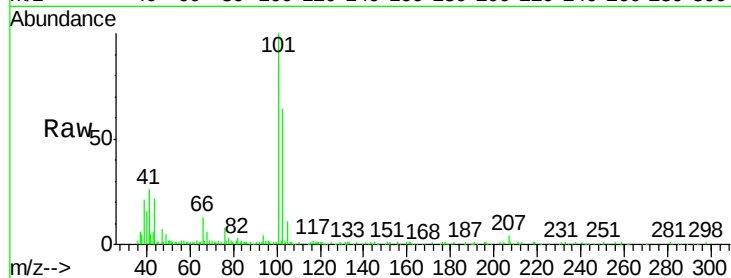
Trichlorofluoromethane
Concen: 20.677 ug/l m
RT: 1.55 min Scan# 103
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	54.6	82.0

Manual Integrations
APPROVED

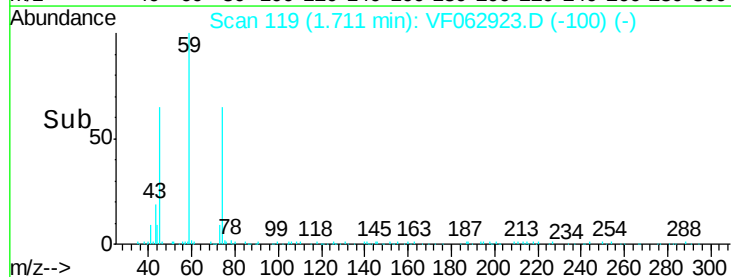
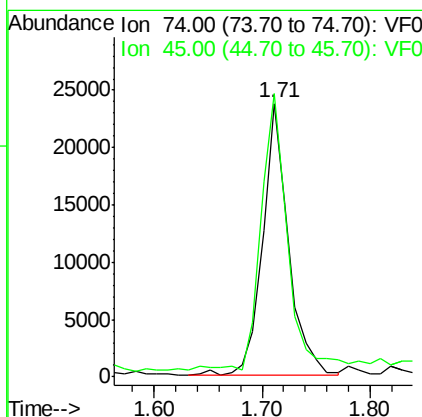
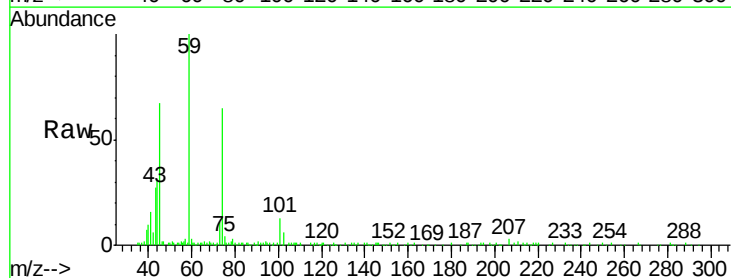
MMDadoda
6/13/2019 11:33:02 AM

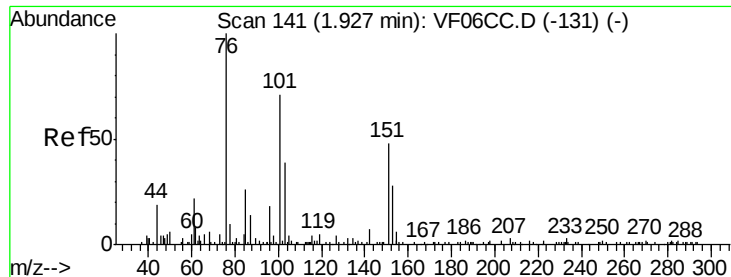


#8

Diethyl Ether
Concen: 17.763 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.017 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

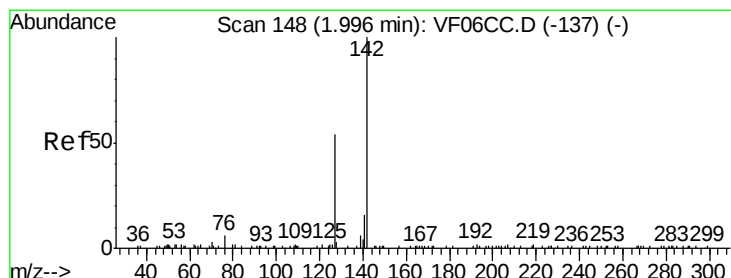
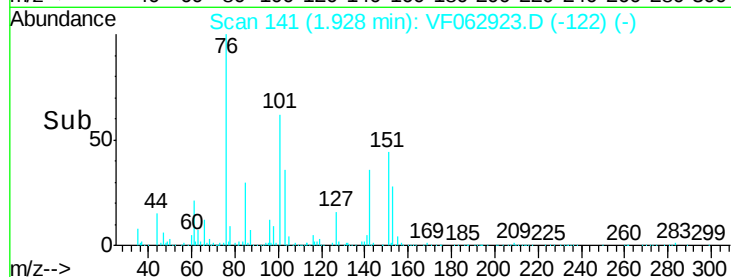
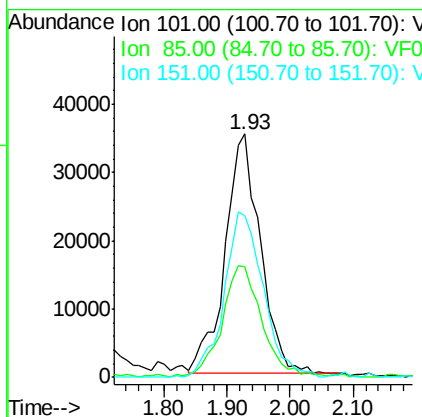
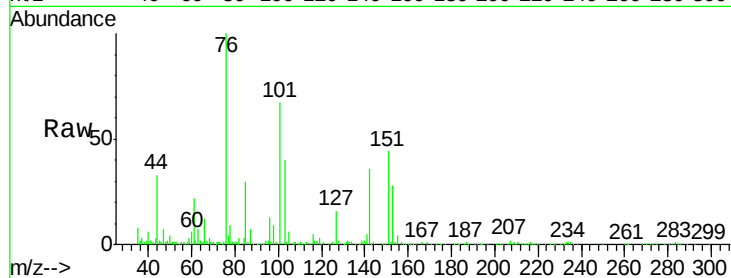
ClientSampleId :

VF0612SBSD01

Tot Ion:	101	Resp:	136747
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.1	55.7
151	66.2	60.3	90.5

Manual Integrations
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MMDadoda
6/13/2019 11:33:02 AM



#10

Methyl Iodide

Concen: 18.683 ug/l m

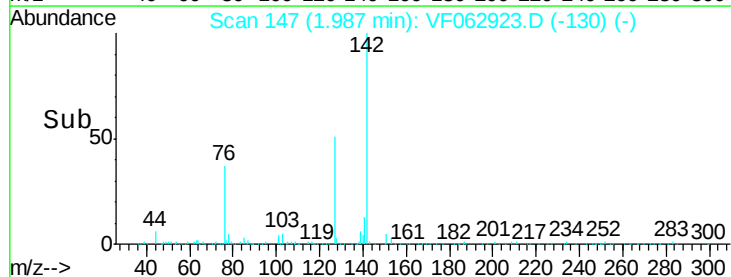
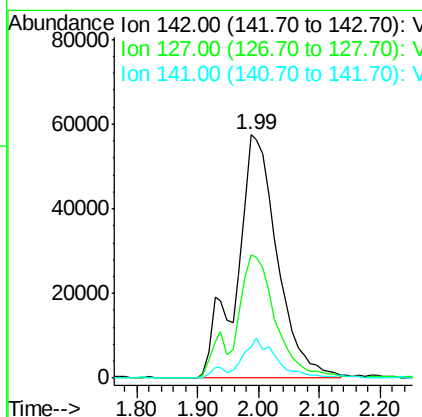
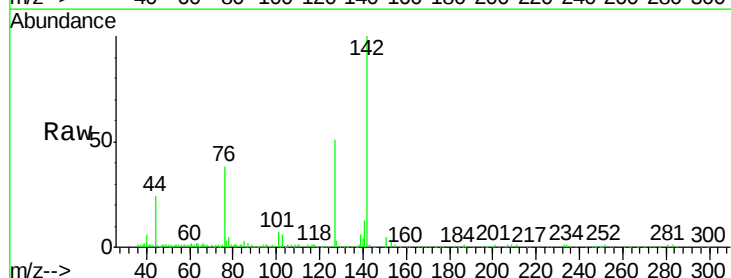
RT: 1.99 min Scan# 147

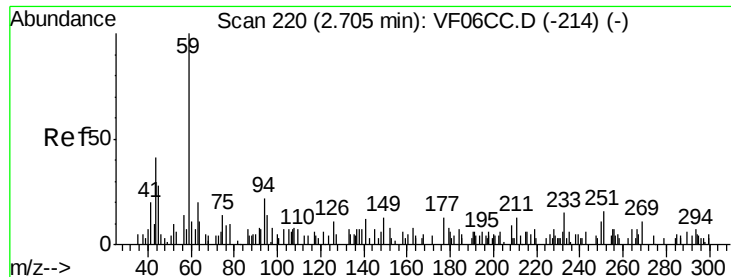
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	142	Resp:	269371
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.4	59.2
141	12.8	10.6	15.8





#11

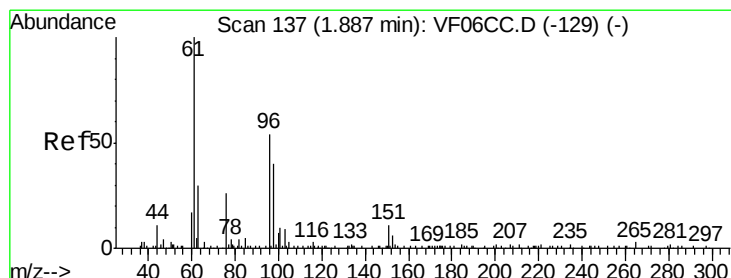
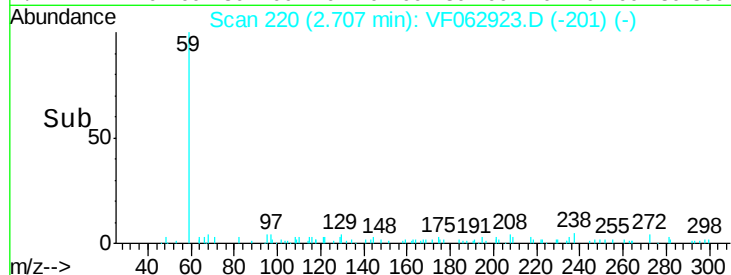
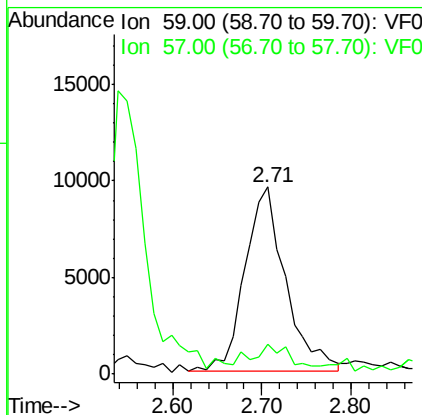
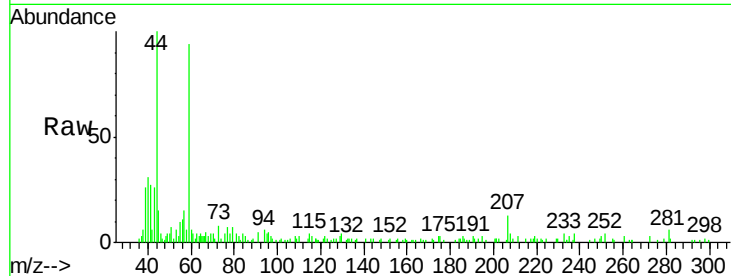
Tert butyl alcohol
Concen: 90.717 ug/l
RT: 2.71 min Scan# 220
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.8	9.2	13.8#

Manual Integrations
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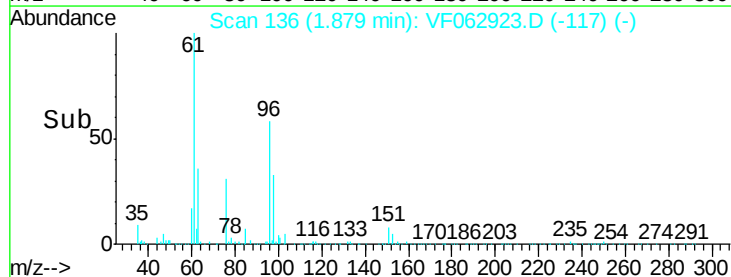
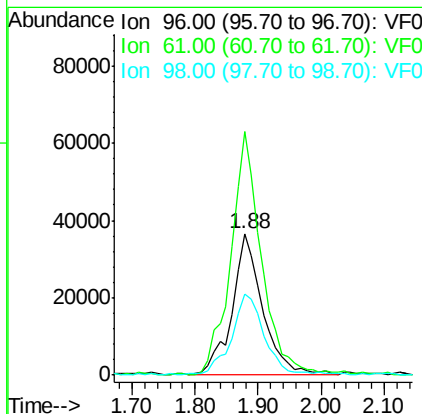
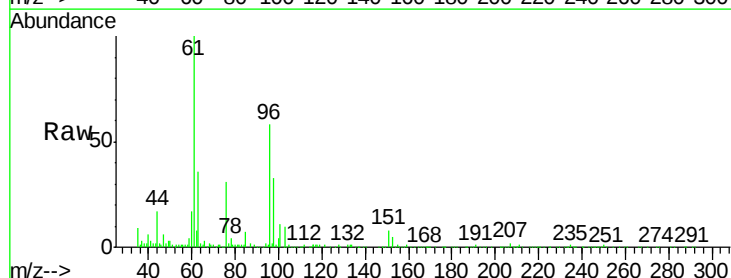
MMDadoda
6/13/2019 11:33:02 AM

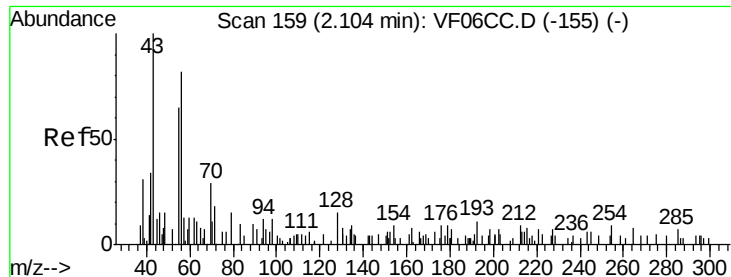


#12

1,1-Dichloroethene
Concen: 18.565 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	139.4	209.2
98	58.4	50.3	75.5





#13

Acrolein

Concen: 86.468 ug/l

RT: 2.10 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion: 56 Resp: 12074

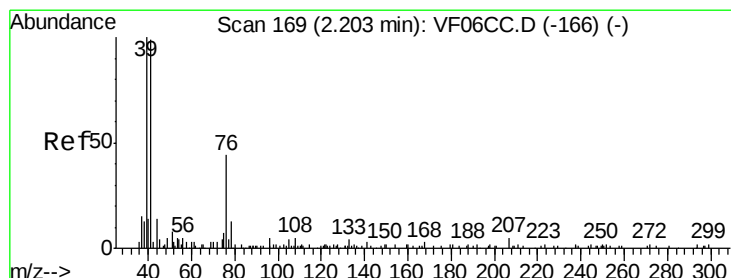
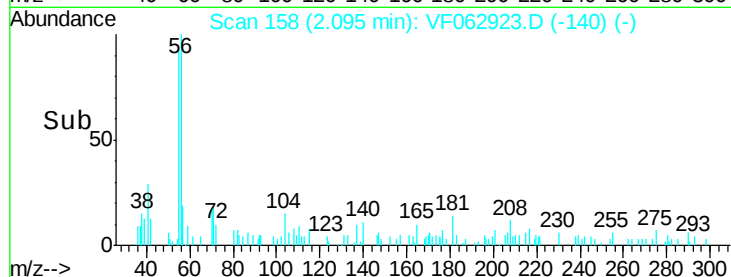
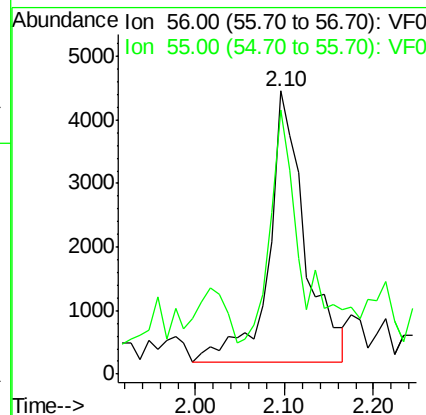
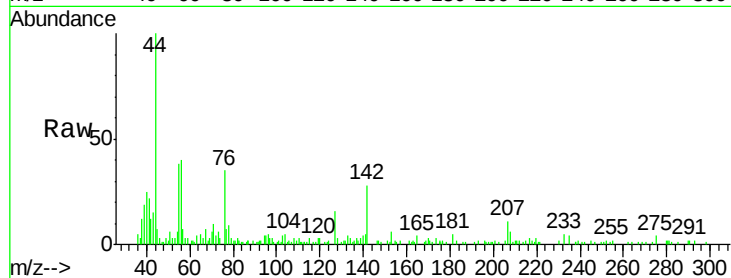
Ion Ratio Lower Upper

56 100

55 93.3 52.9 79.3#

Manual Integrations
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#14

Allyl chloride

Concen: 17.863 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

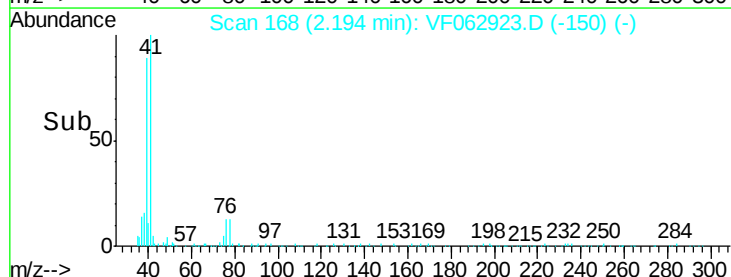
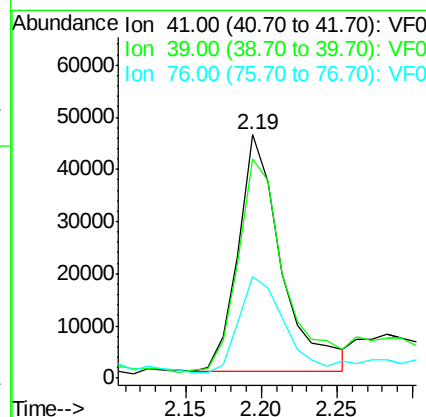
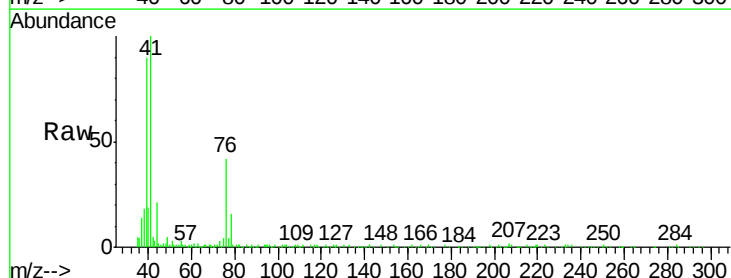
Tgt Ion: 41 Resp: 90488

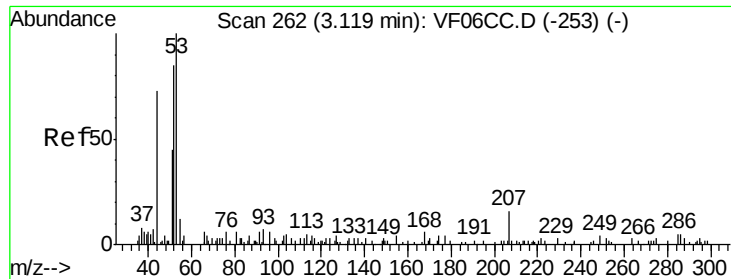
Ion Ratio Lower Upper

41 100

39 89.9 71.9 107.9

76 41.8 39.6 59.4





#15

Acrylonitrile

Concen: 91.049 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

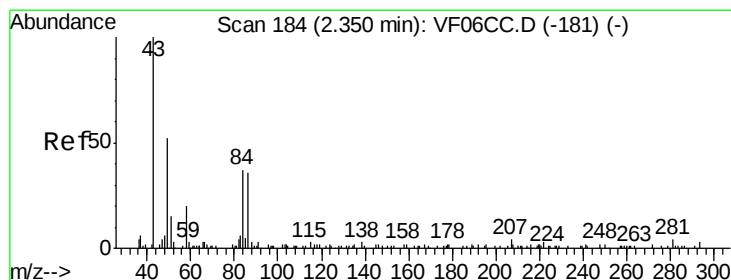
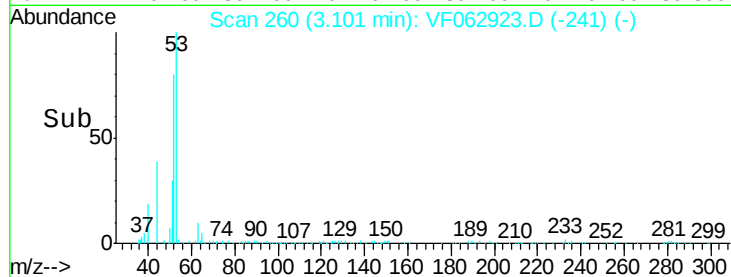
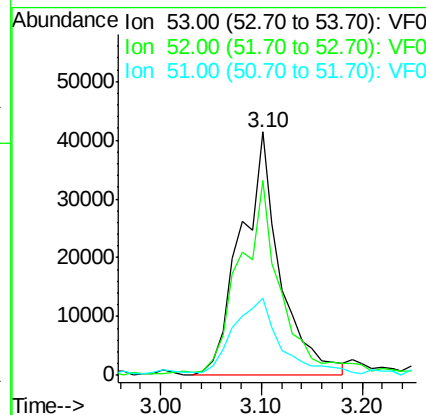
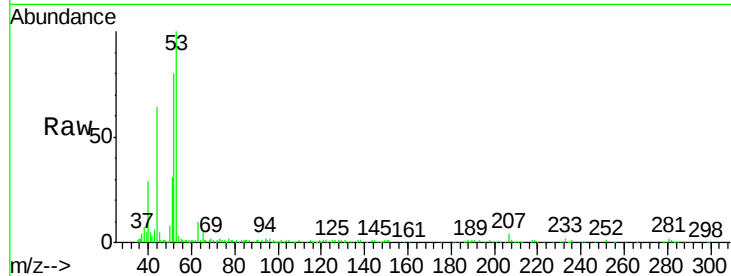
ClientSampleId :

VF0612SBSD01

Tot Ion:	53	Resp:	112613
Ion Ratio	Lower	Upper	
53	100		
52	79.9	68.1	102.1
51	31.5	27.7	41.5

Manual Integrations
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6/13/2019 11:33:02 AM



#16

Acetone

Concen: 91.652 ug/l

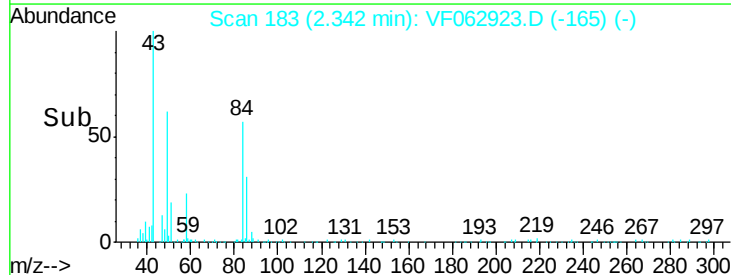
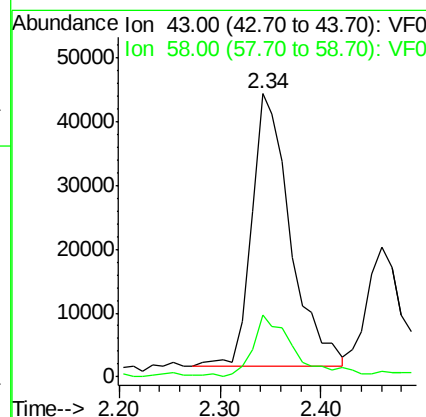
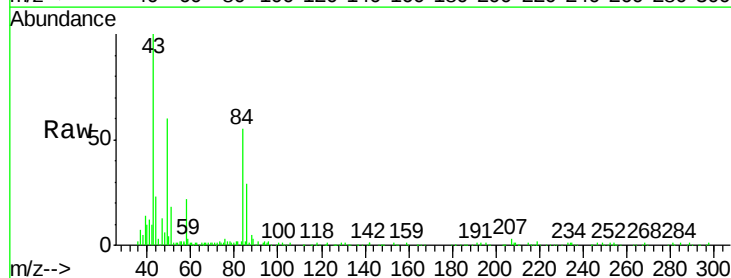
RT: 2.34 min Scan# 183

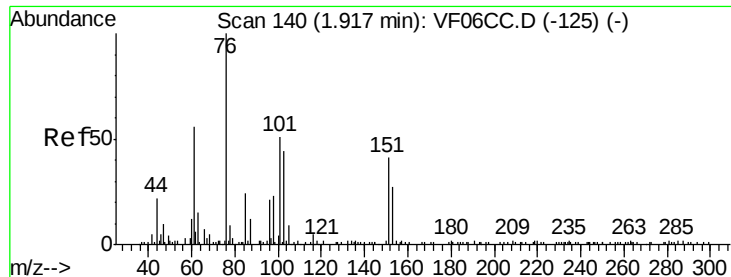
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	43	Resp:	113979
Ion Ratio	Lower	Upper	
43	100		
58	22.1	19.0	28.4





#17

Carbon Disulfide

Concen: 18.151 ug/l m

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tot Ion: 76 Resp: 346396

Ion Ratio Lower Upper

76 100

78 11.5 9.4 14.2

Instrument :

MSVOA_F

ClientSampleId :

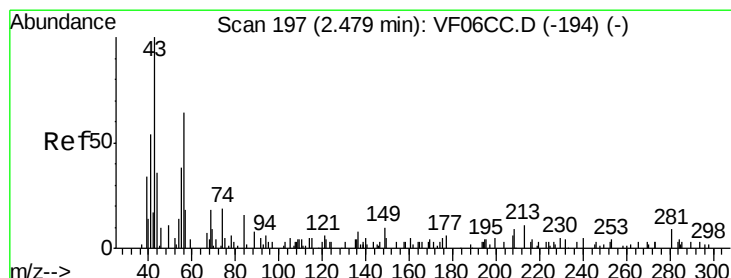
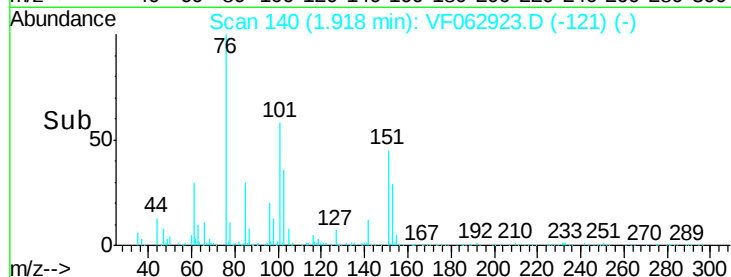
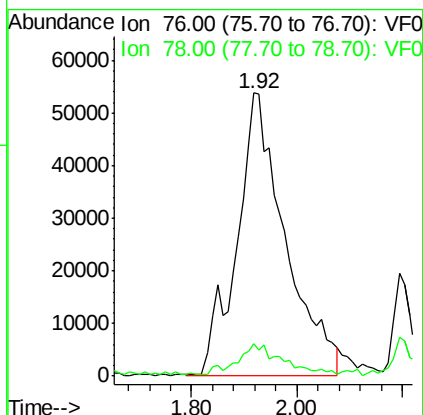
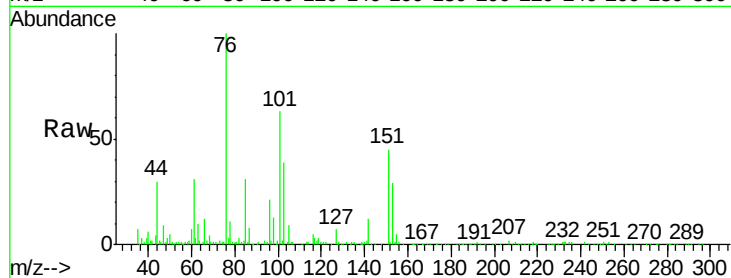
VF0612SBSD01

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#18

Methyl Acetate

Concen: 18.959 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF062923.D

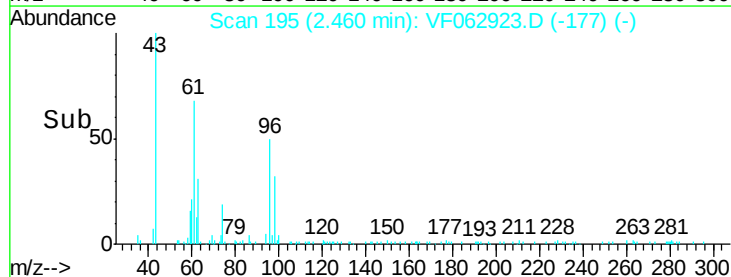
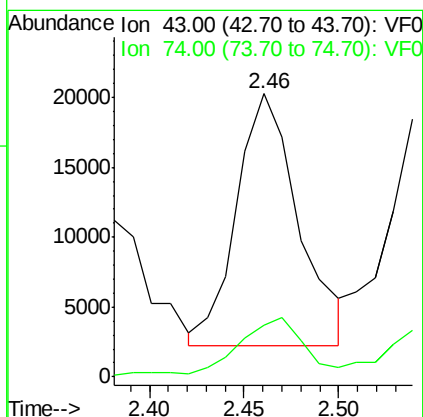
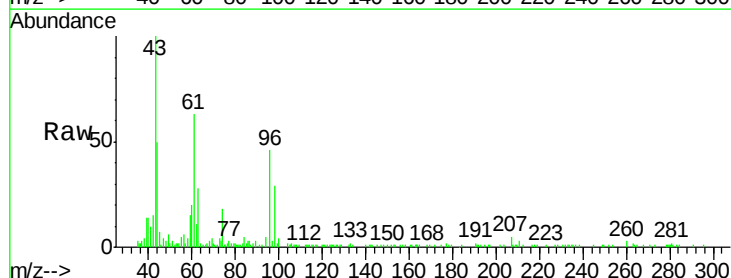
Acq: 12 Jun 2019 13:13

Tgt Ion: 43 Resp: 41201

Ion Ratio Lower Upper

43 100

74 18.4 22.1 33.1#





#19

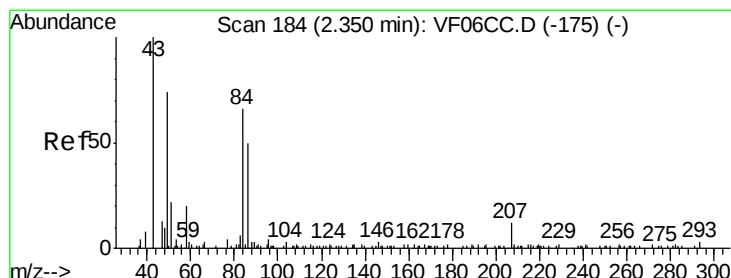
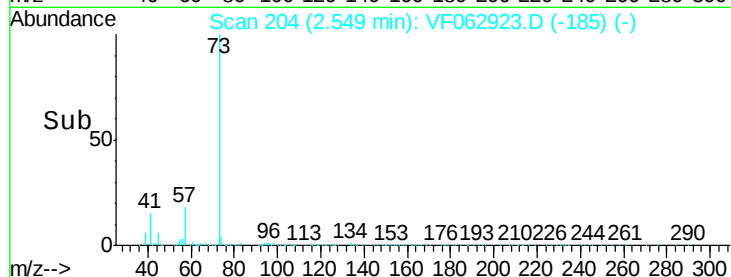
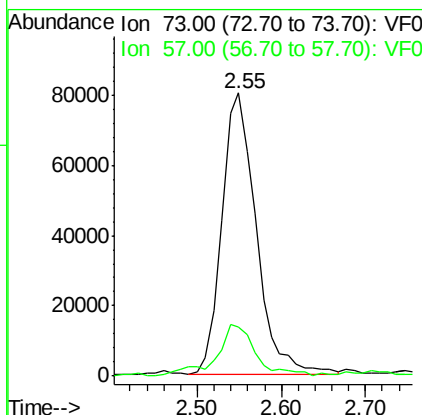
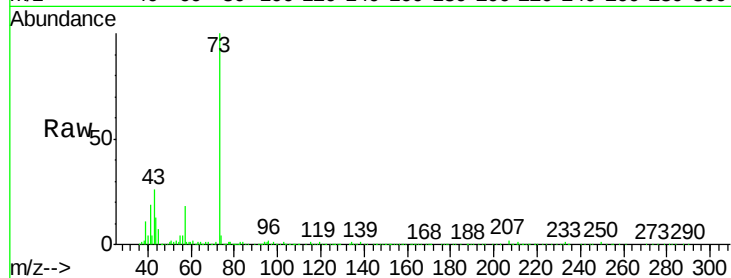
Methyl tert-butyl Ether
Concen: 19.160 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	15.1	22.7

Manual Integrations
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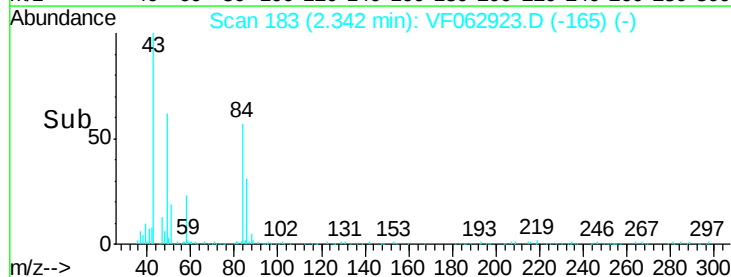
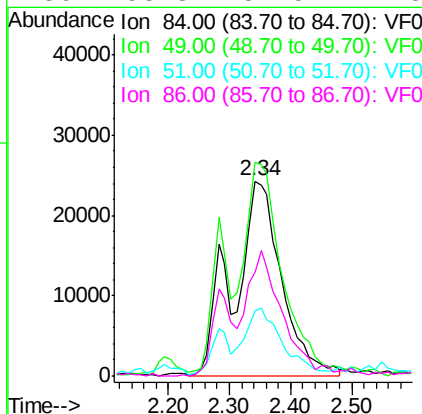
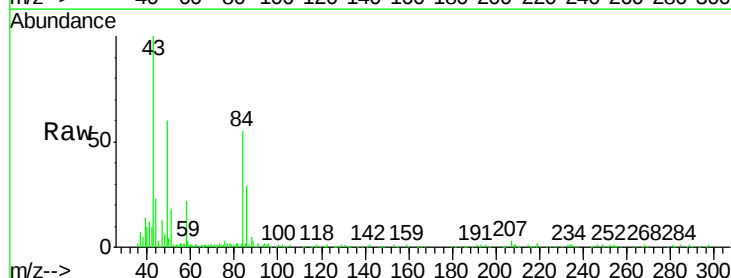
MMDadoda
6/13/2019 11:33:02 AM

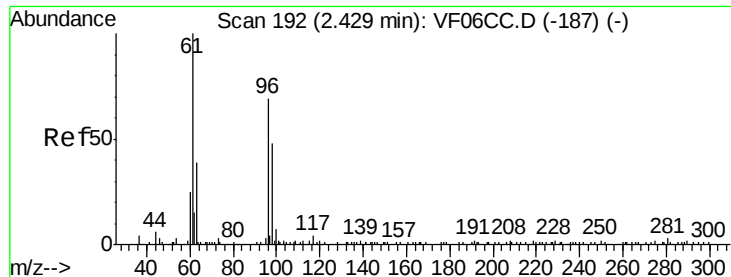


#20

Methylene Chloride
Concen: 19.559 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.4	82.6	123.8
51	33.5	25.0	37.4
86	53.3	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 19.181 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

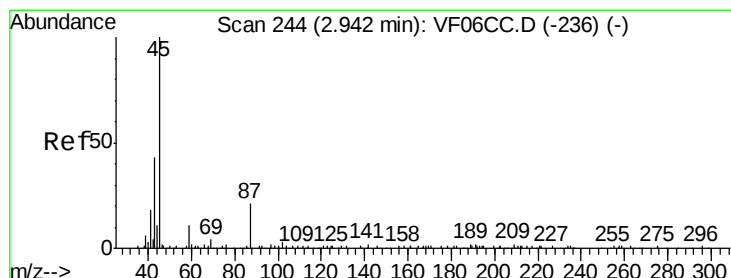
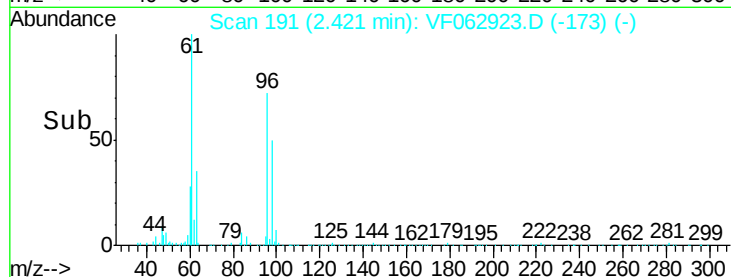
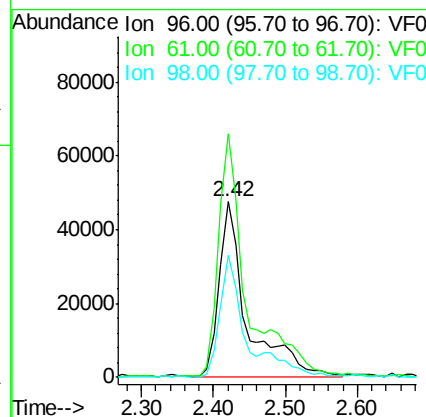
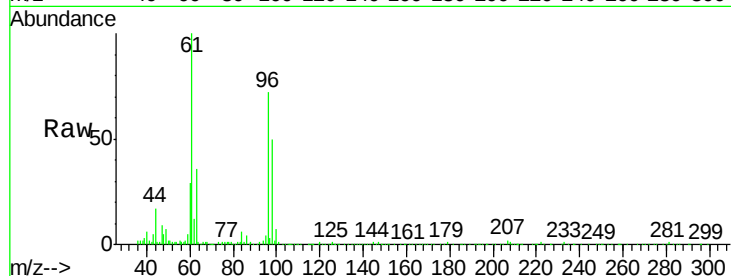
ClientSampleId :

VF0612SBSD01

Tot Ion:	96	Resp:	125575
Ion	Ratio	Lower	Upper
96	100		
61	139.0	105.0	157.6
98	69.5	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.033 ug/l

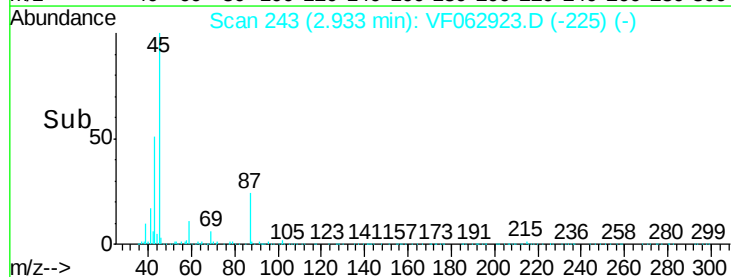
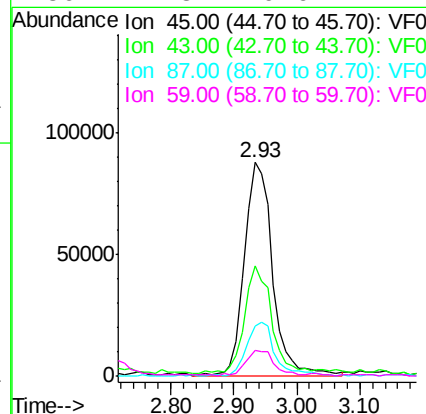
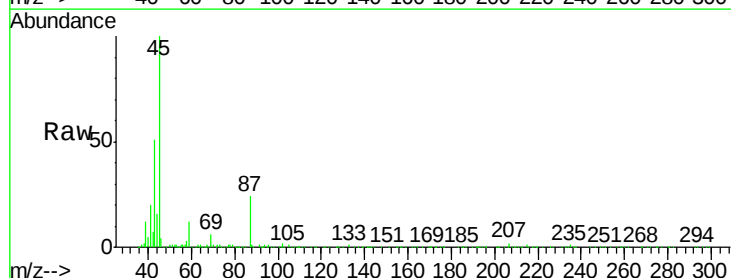
RT: 2.93 min Scan# 243

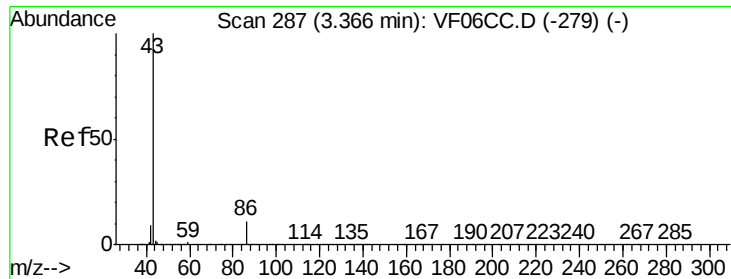
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	45	Resp:	273926
Ion	Ratio	Lower	Upper
45	100		
43	51.4	34.3	51.5
87	23.7	19.0	28.4
59	11.8	9.6	14.4





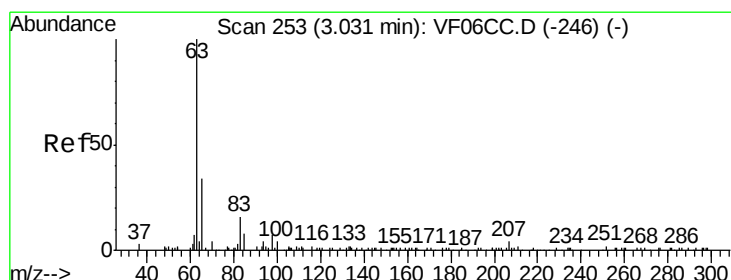
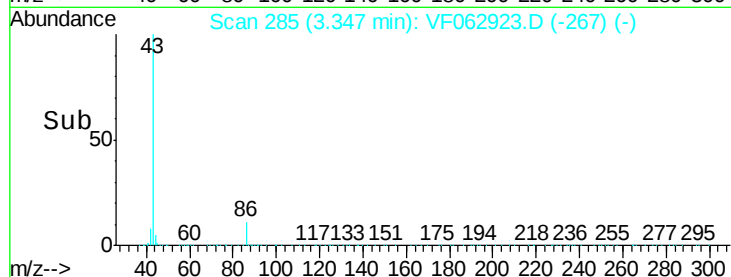
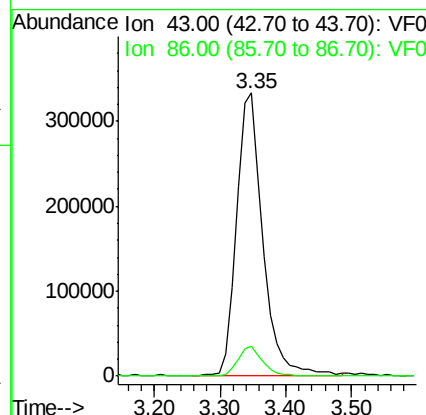
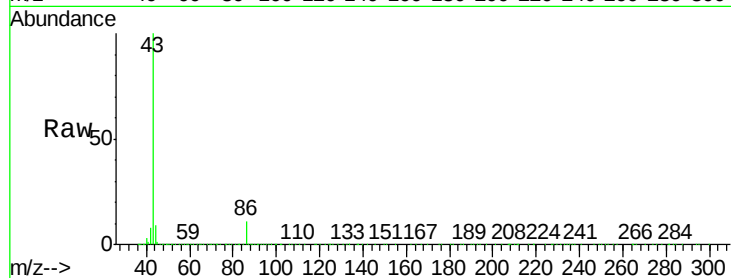
#23
 Vinyl Acetate
 Concen: 94.361 ug/l
 RT: 3.35 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

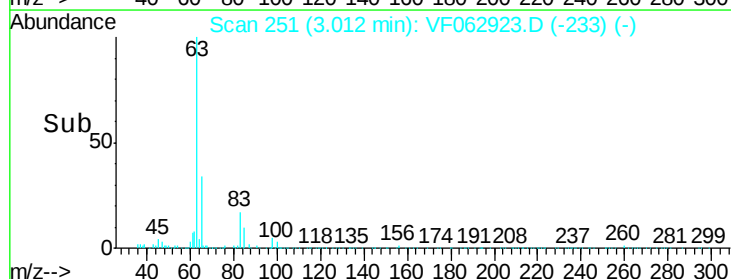
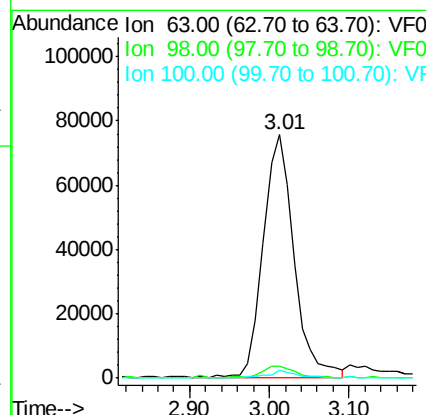
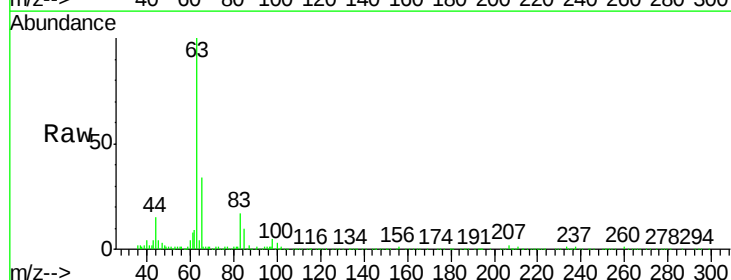
Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:33:02 AM



#24
 1,1-Dichloroethane
 Concen: 18.834 ug/l
 RT: 3.01 min Scan# 251
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.4	7.1
100	3.1	1.5	4.5





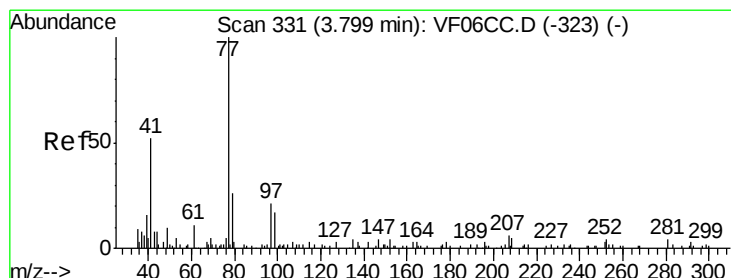
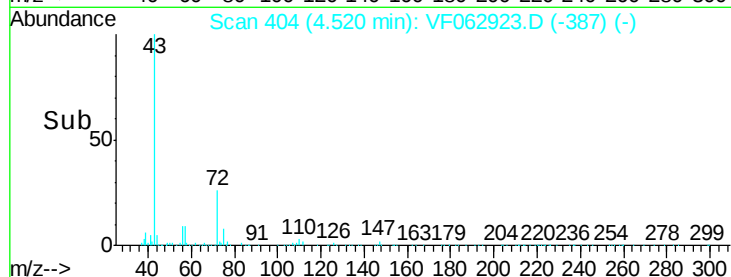
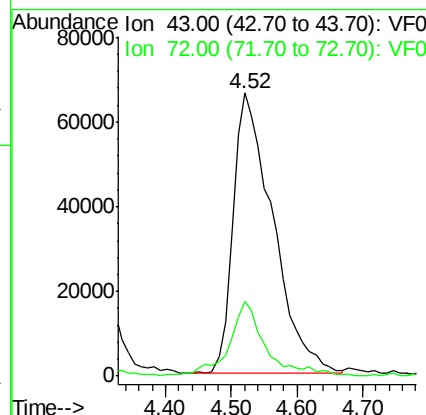
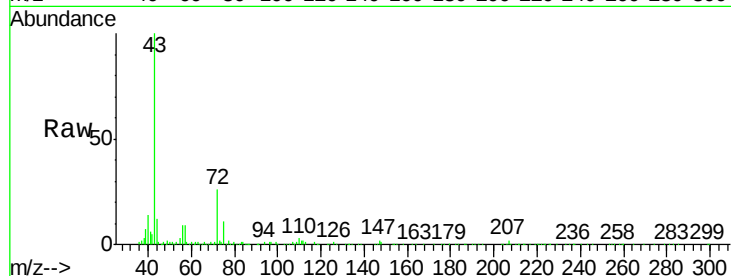
#25
2-Butanone
Concen: 96.538 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.0

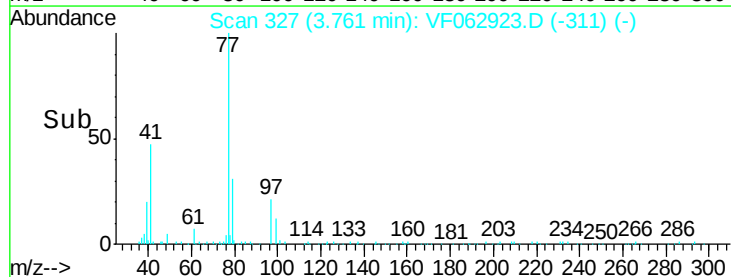
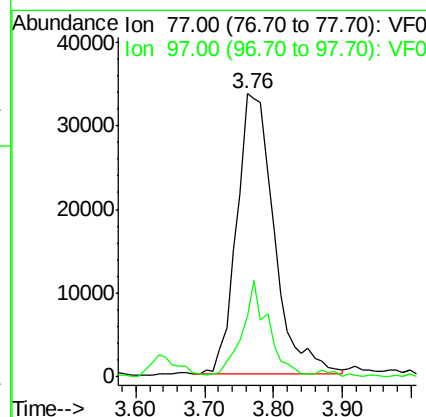
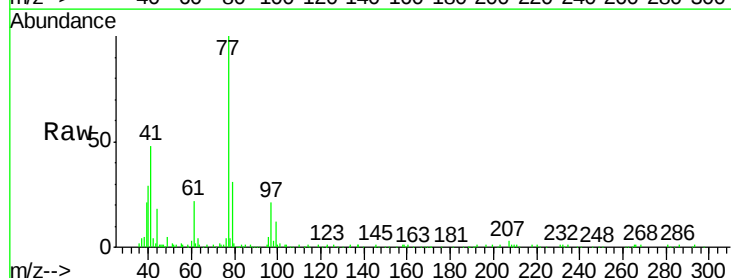
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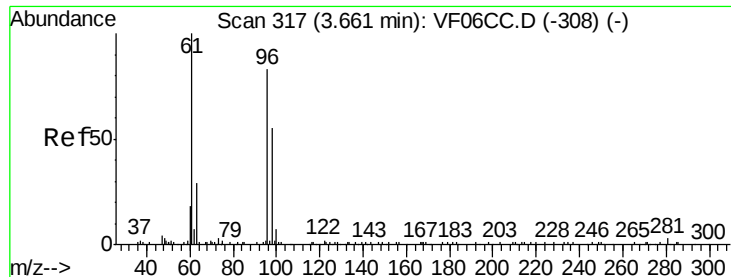
MMDadoda
6/13/2019 11:33:02 AM



#26
2,2-Dichloropropane
Concen: 20.846 ug/l
RT: 3.76 min Scan# 327
Delta R.T. -0.04 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.3	12.4	37.4





#27

cis-1,2-Dichloroethene

Concen: 19.778 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.03 min

Lab File: VF062923.D

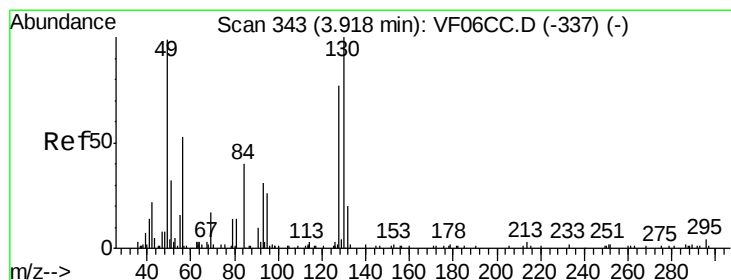
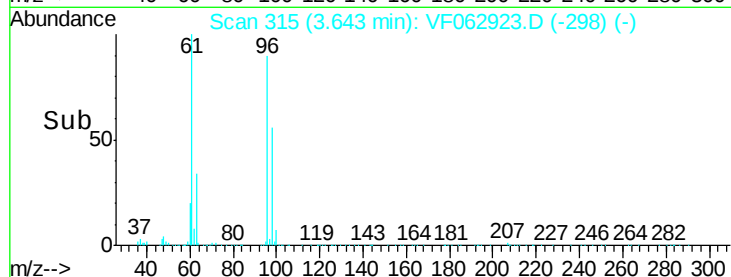
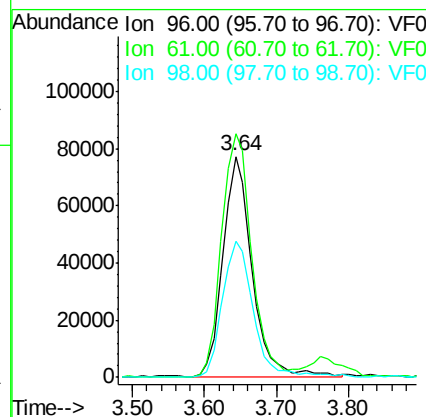
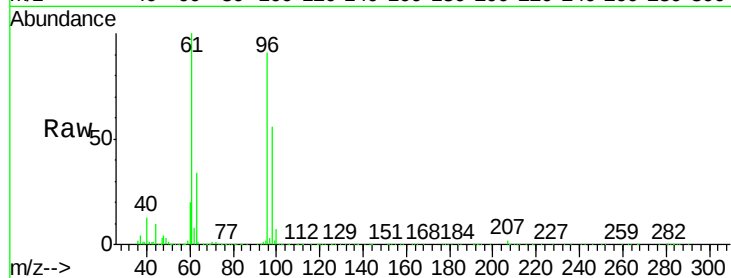
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217661		
61	110.3	0.0	213.8	
98	61.7	0.0	127.0	

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#28

Bromochloromethane

Concen: 18.857 ug/l

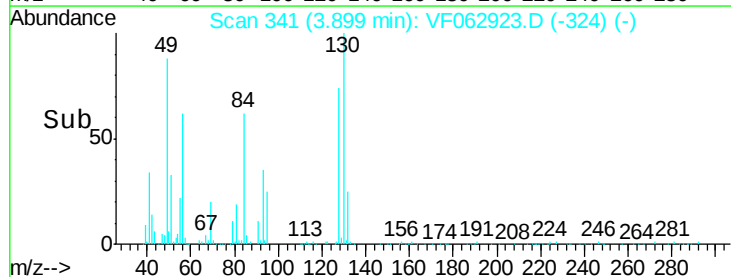
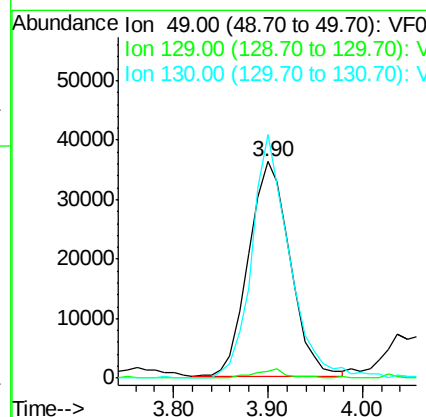
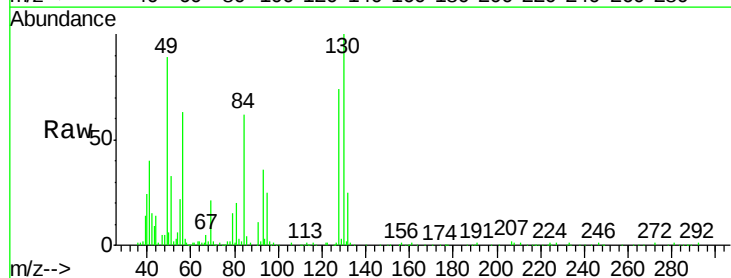
RT: 3.90 min Scan# 341

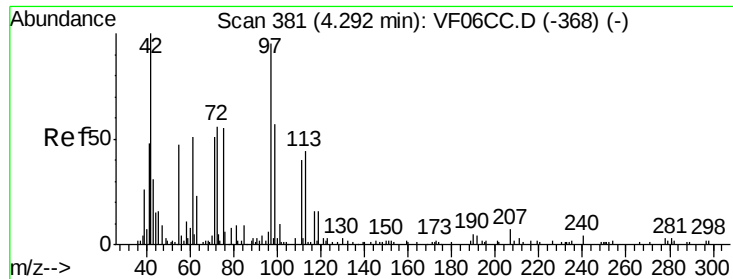
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110221		
129	3.0	0.0	5.4	
130	112.4	79.2	118.8	





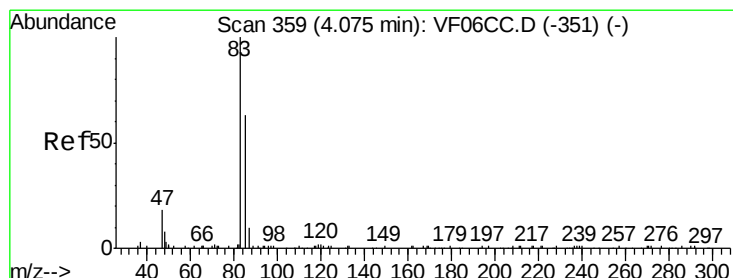
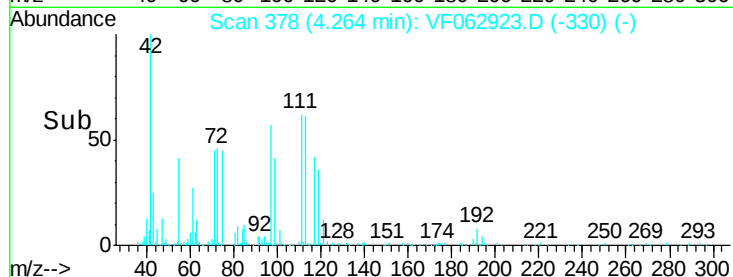
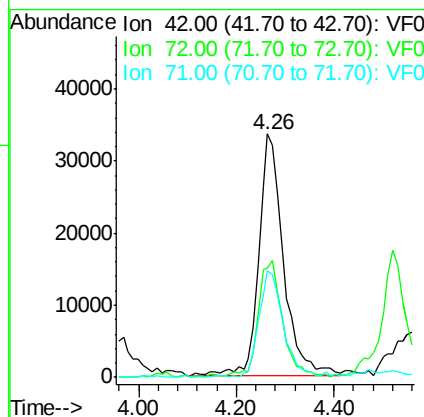
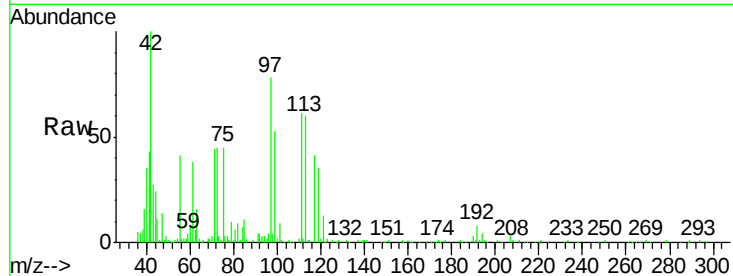
#29
Tetrahydrofuran
Concen: 105.494 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	39.0	58.6
71	43.8	36.9	55.3

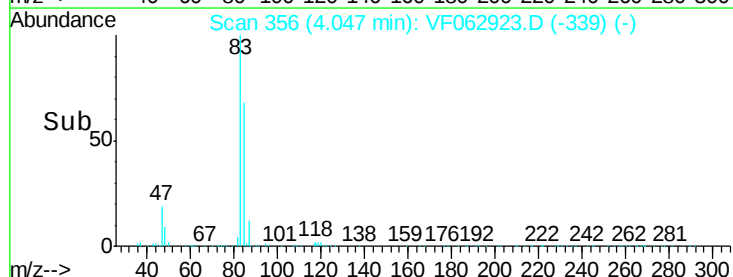
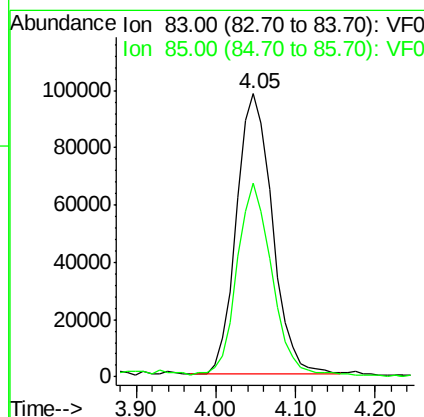
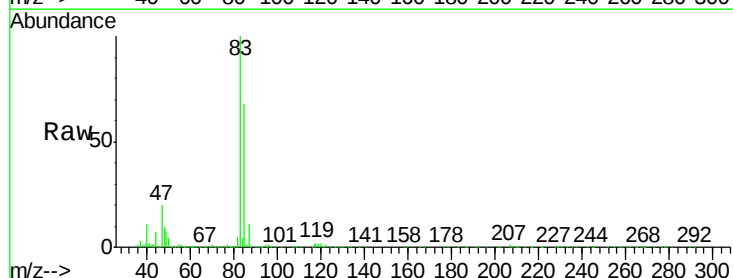
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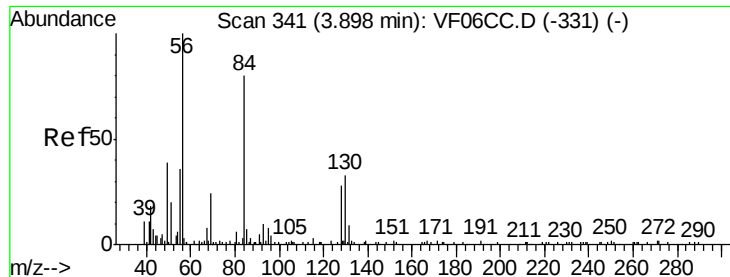
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#30
Chloroform
Concen: 20.211 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	55.0	82.6





#31

Cyclohexane

Concen: 18.913 ug/l m

RT: 3.87 min Scan# 338

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

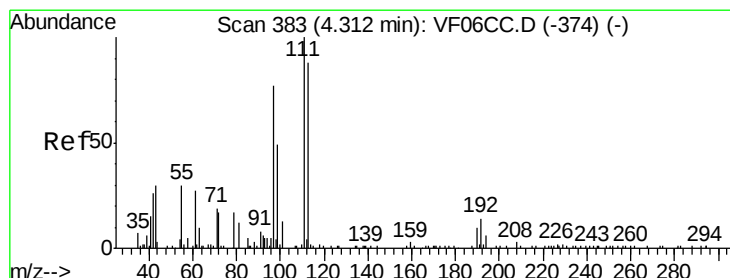
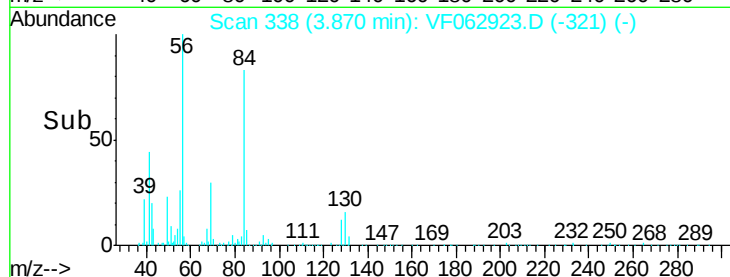
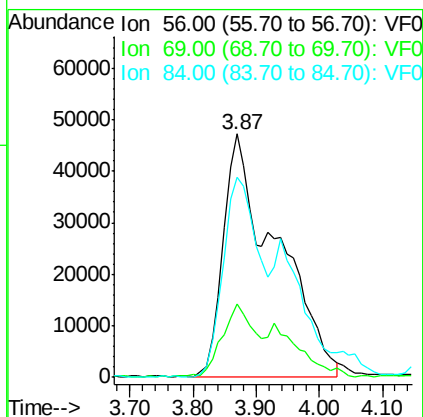
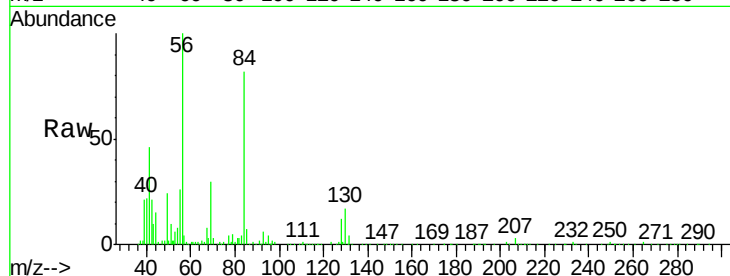
ClientSampleId :

VF0612SBSD01

Tot Ion:	56	Resp:	275155
Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.7	40.1
84	82.2	74.3	111.5

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#32

1,1,1-Trichloroethane

Concen: 21.441 ug/l

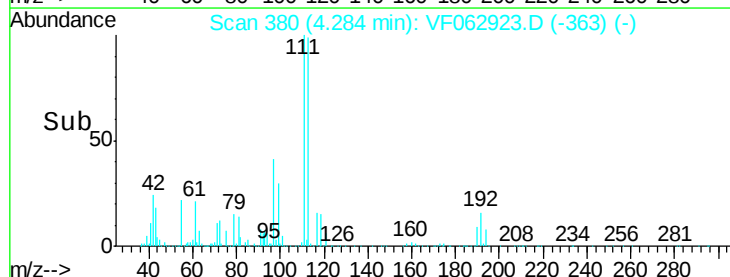
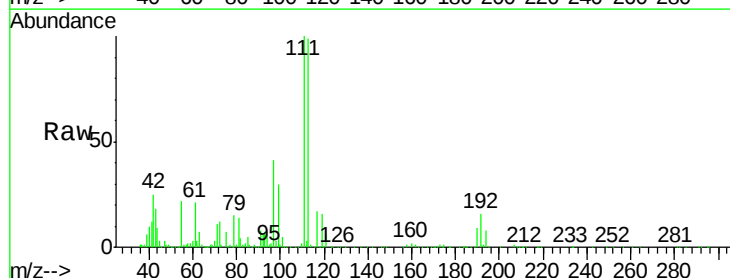
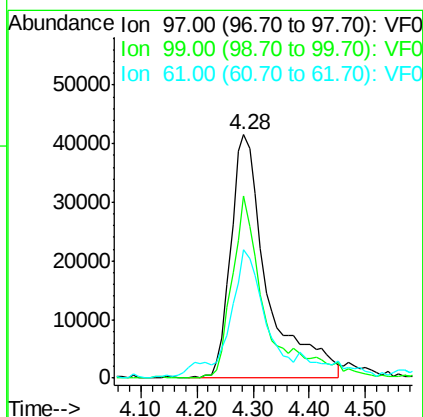
RT: 4.28 min Scan# 380

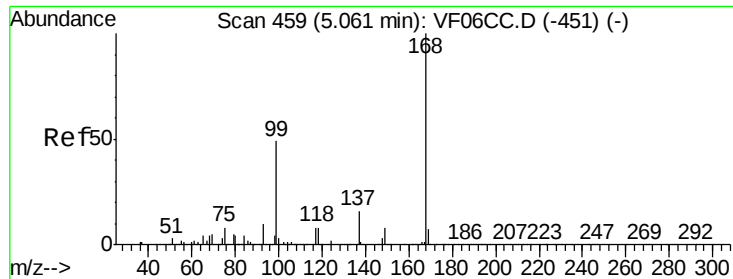
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	97	Resp:	189061
Ion	Ratio	Lower	Upper
97	100		
99	74.6	51.7	77.5
61	52.8	38.9	58.3





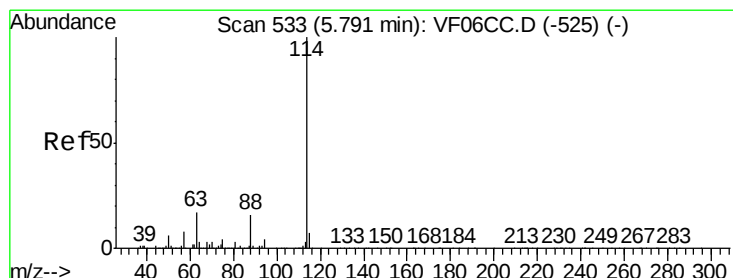
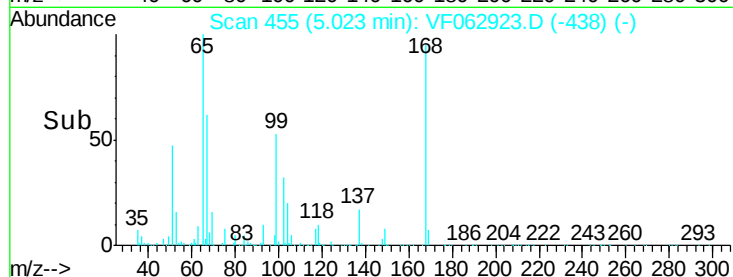
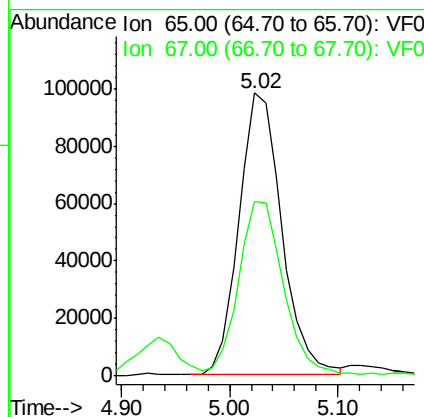
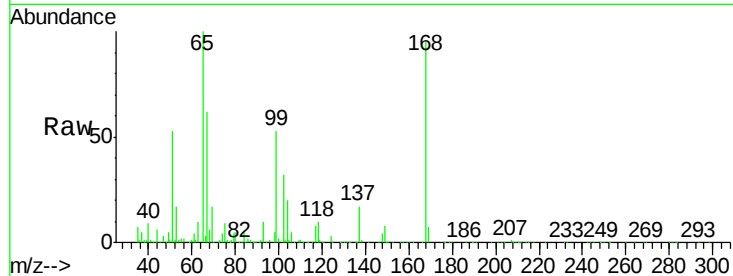
#33
 1,2-Dichloroethane-d4
 Concen: 49.730 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	270210		
67	61.7	0.0	121.2	

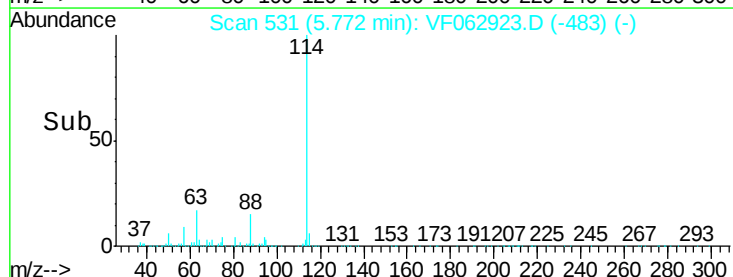
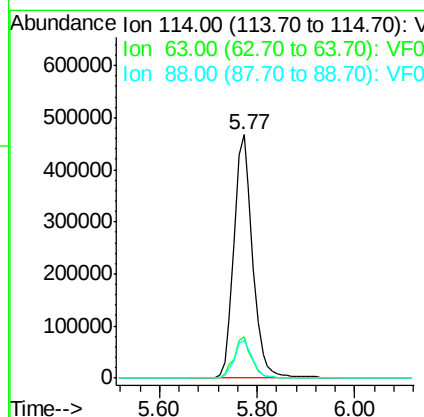
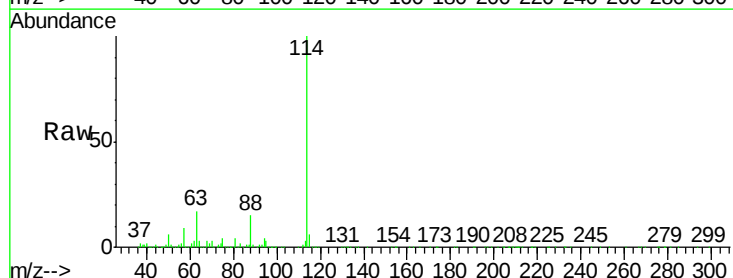
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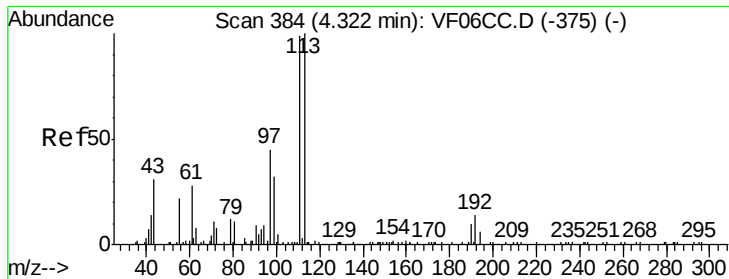
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1249971		
63	17.1	0.0	34.2	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 53.372 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

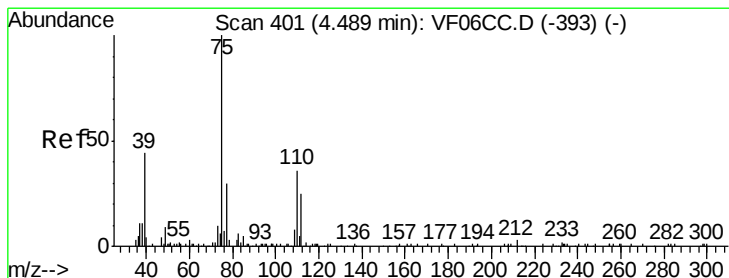
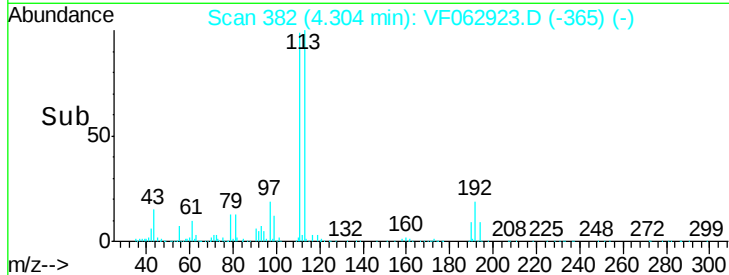
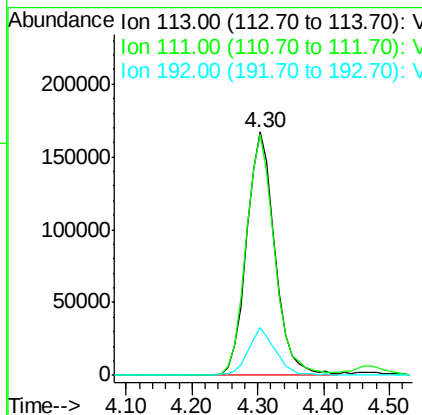
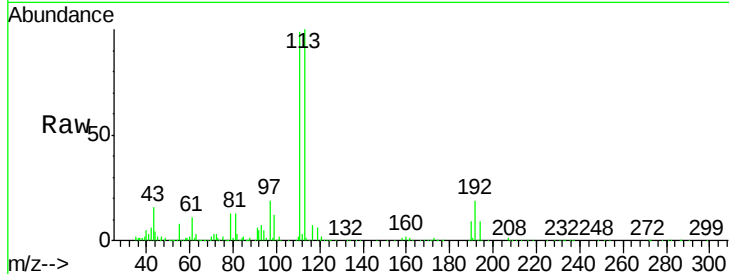
ClientSampleId :

VF0612SBSD01

Tot Ion:	113	Resp:	504118
Ion Ratio		Lower	Upper
113	100		
111	97.9	81.9	122.9
192	19.5	15.1	22.7

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#36

1,1-Dichloropropene

Concen: 20.228 ug/l

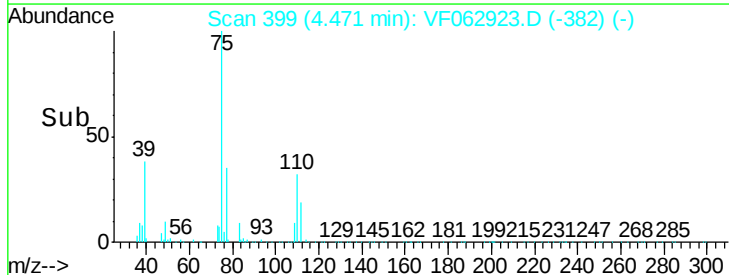
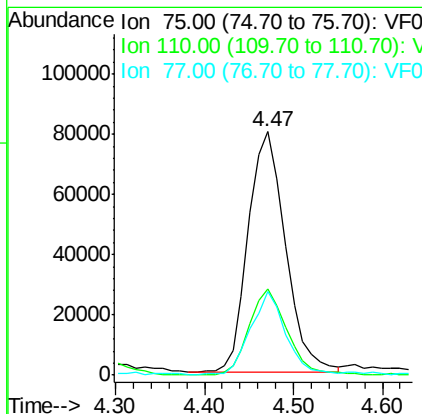
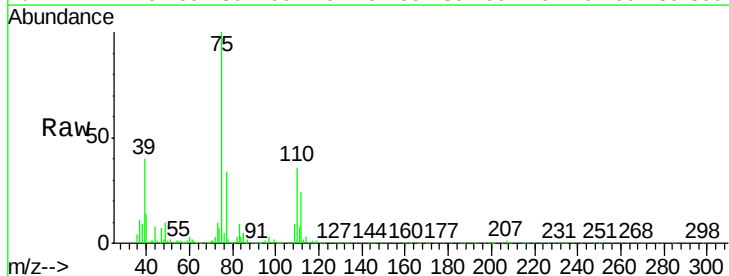
RT: 4.47 min Scan# 399

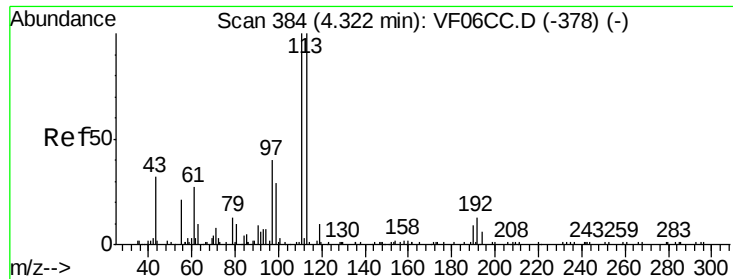
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	75	Resp:	232770
Ion Ratio		Lower	Upper
75	100		
110	35.6	19.4	58.1
77	34.2	25.4	38.2





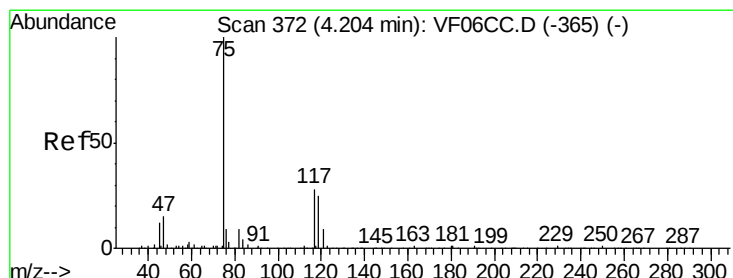
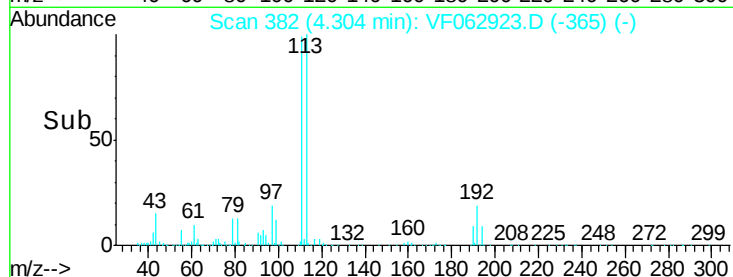
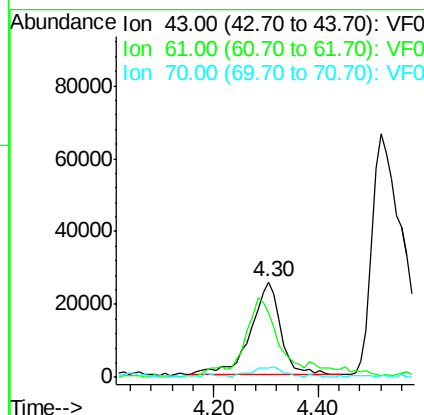
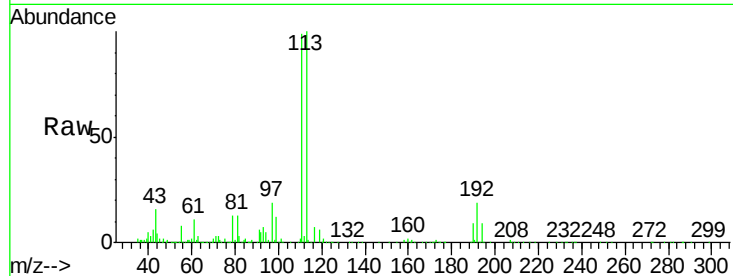
#37
Ethyl Acetate
Concen: 22.841 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	67.1	59.1	88.7
70	10.0	10.1	15.1#

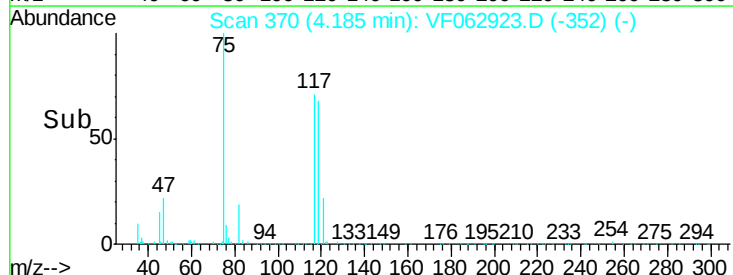
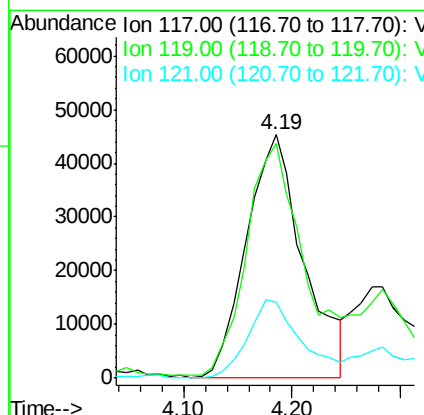
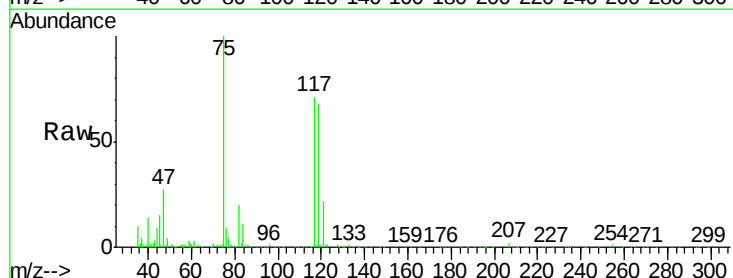
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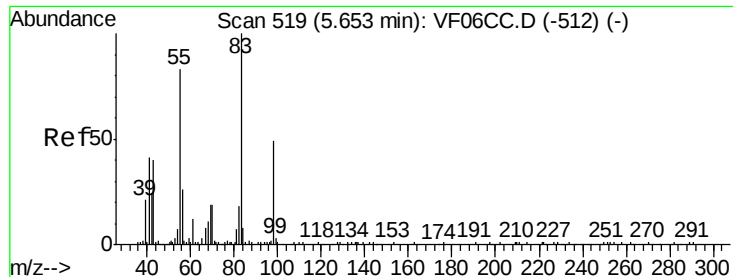
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#38
Carbon Tetrachloride
Concen: 21.445 ug/l
RT: 4.19 min Scan# 370
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.2	117.2
121	31.3	28.2	42.2





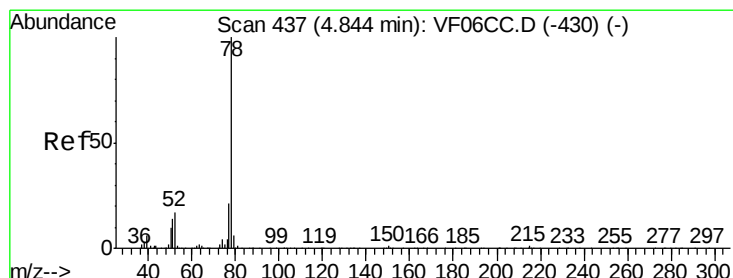
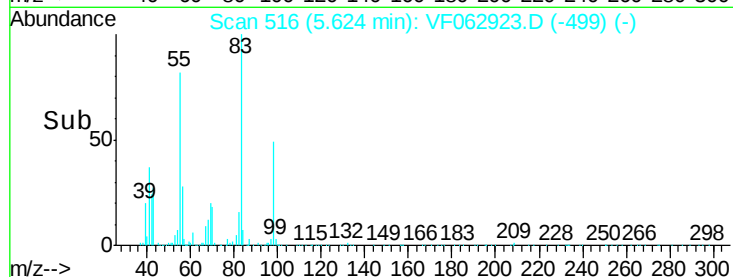
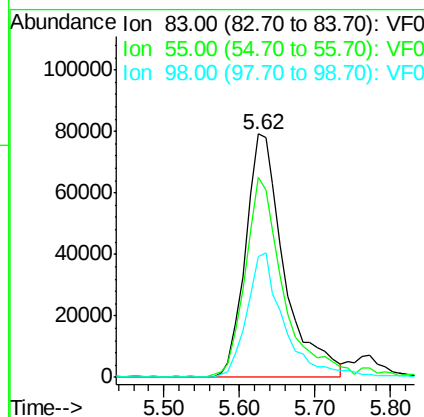
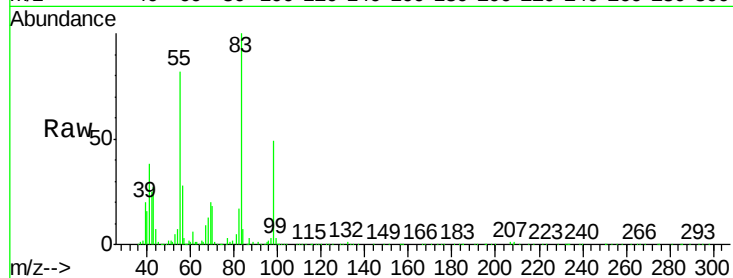
#39
Methvlcvclohexane
Concen: 19.648 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	61.6	92.4
98	49.4	37.4	56.2

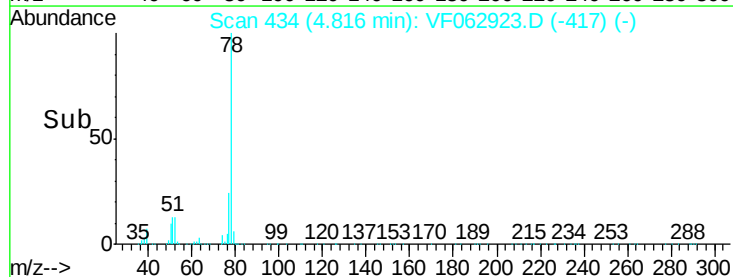
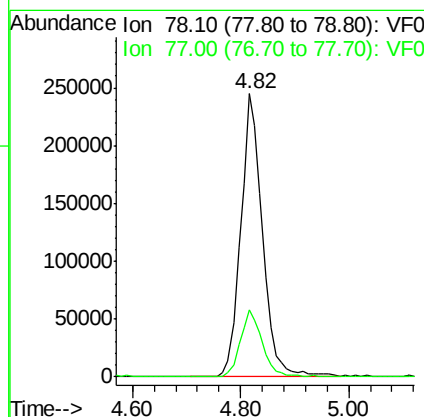
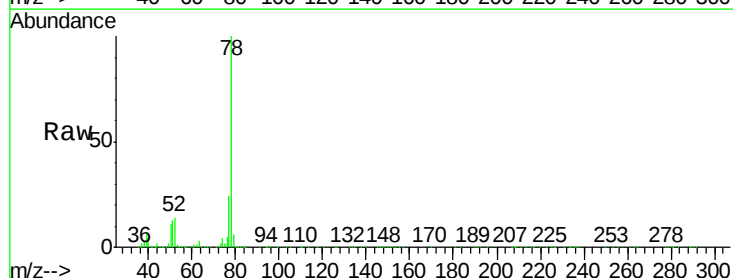
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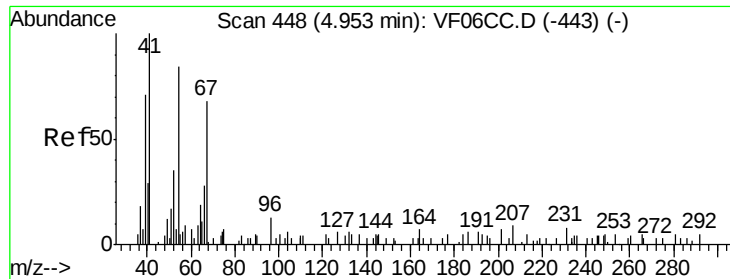
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#40
Benzene
Concen: 20.414 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





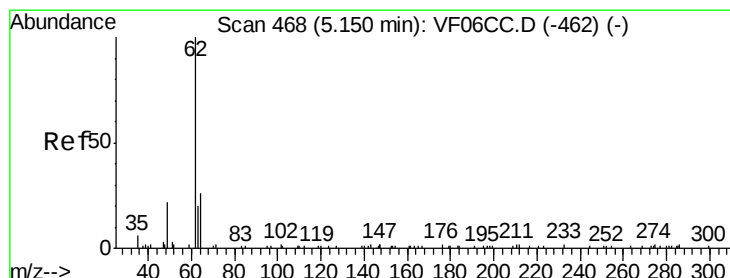
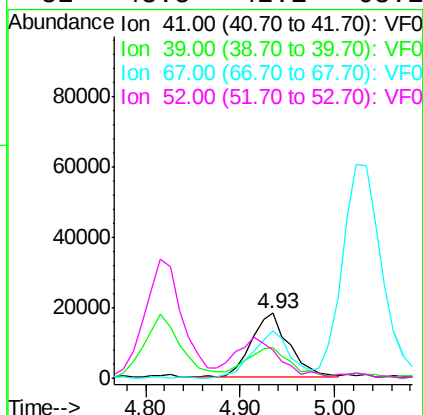
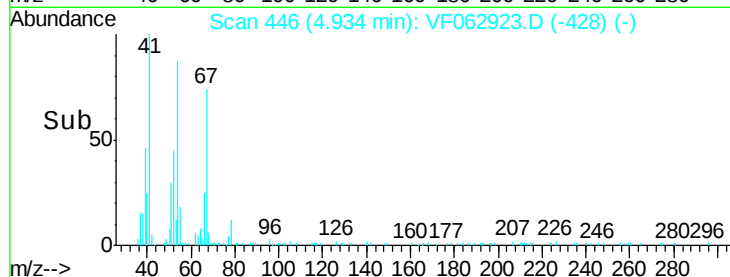
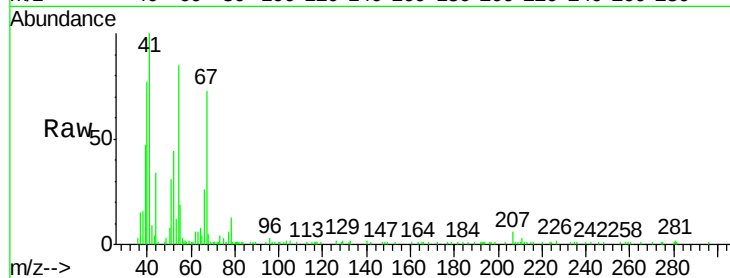
#41
Methacrylonitrile
Concen: 20.394 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	41	Resp:	49871
Ion Ratio	Lower	Upper	
41	100		
39	46.5	42.0	63.0
67	73.3	61.4	92.0
52	43.5	42.1	63.1

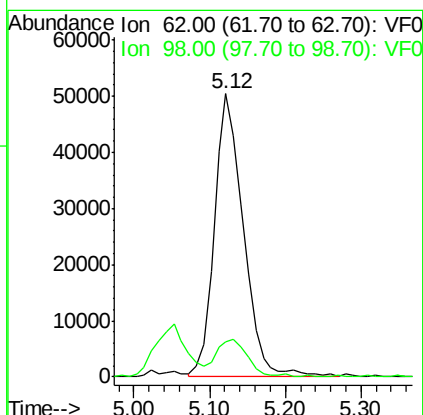
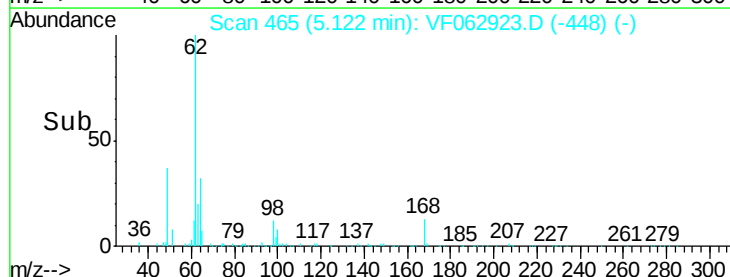
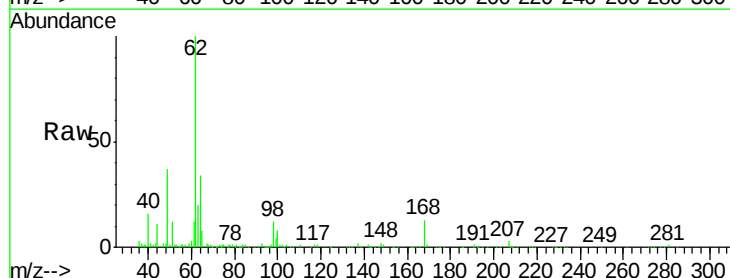
Manual Integrations
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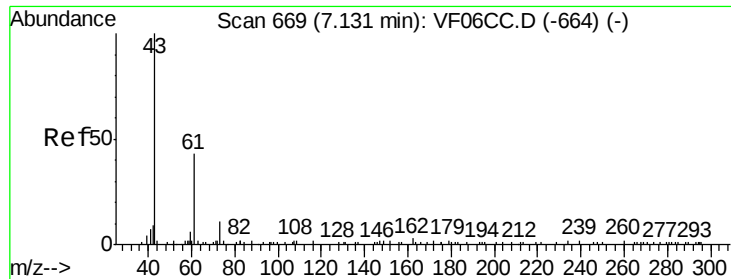
MMDadoda
6/13/2019 11:33:02 AM



#42
1,2-Dichloroethane
Concen: 21.217 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	62	Resp:	135143
Ion Ratio	Lower	Upper	
62	100		
98	12.4	0.0	24.0





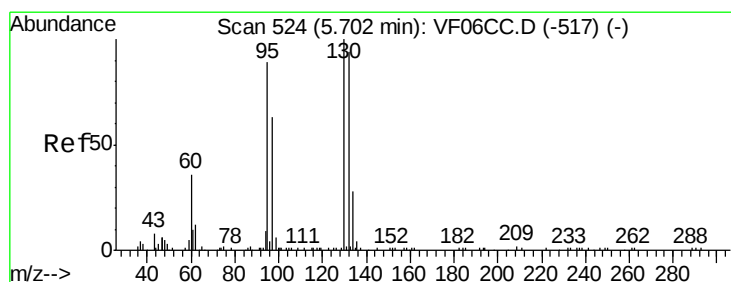
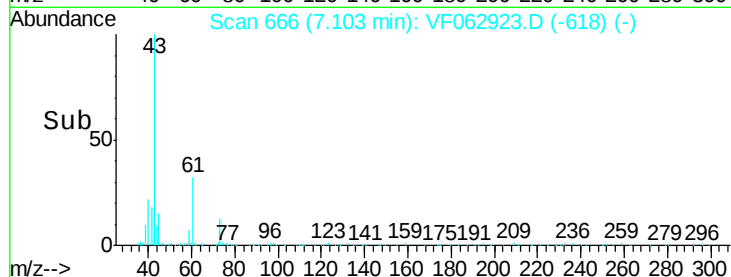
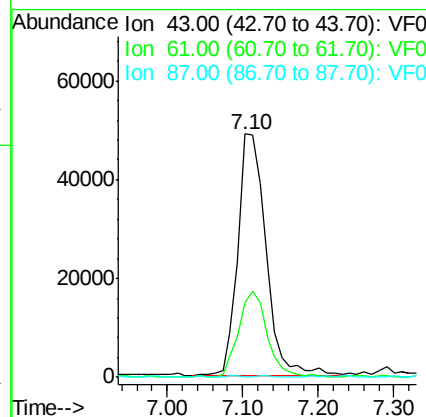
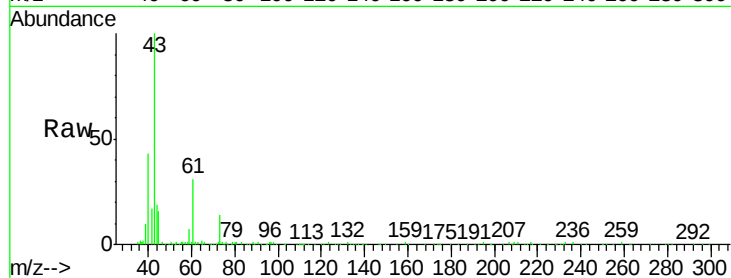
#43
Isopropyl Acetate
Concen: 21.713 ug/l
RT: 7.10 min Scan# 666
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	29.8	44.6
87	0.3	0.3	0.5

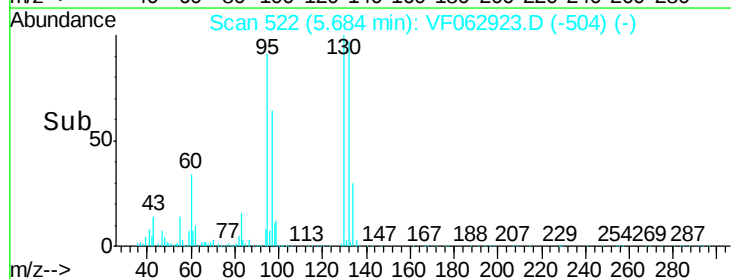
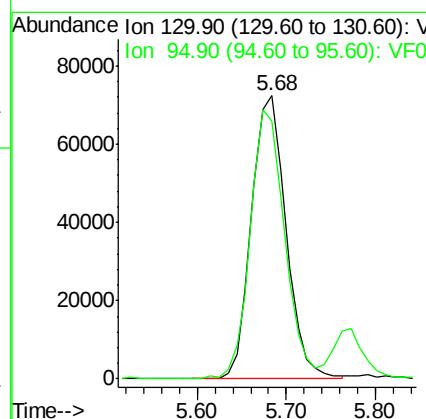
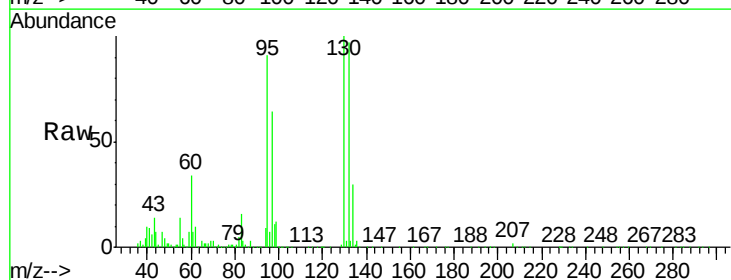
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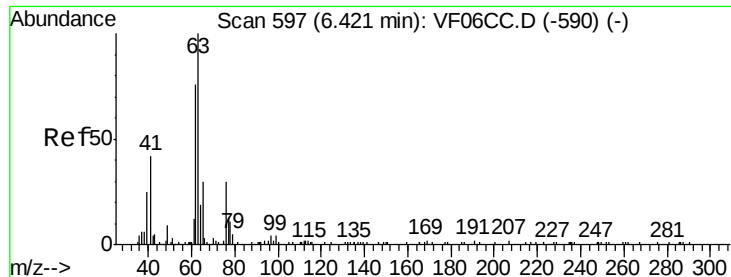
MMDadoda
6/13/2019 11:33:02 AM



#44
Trichloroethene
Concen: 20.523 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	188.2





#45

1,2-Dichloropropane

Concen: 19.078 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion: 63 Resp: 160338

Ion Ratio Lower Upper

63 100

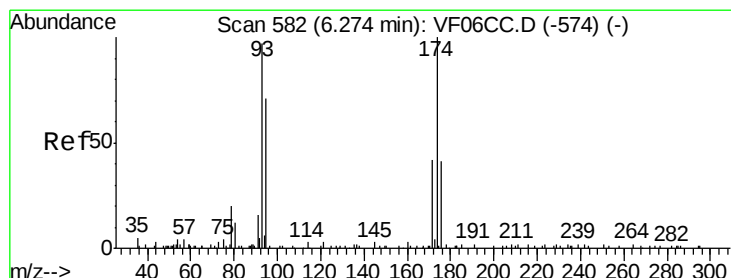
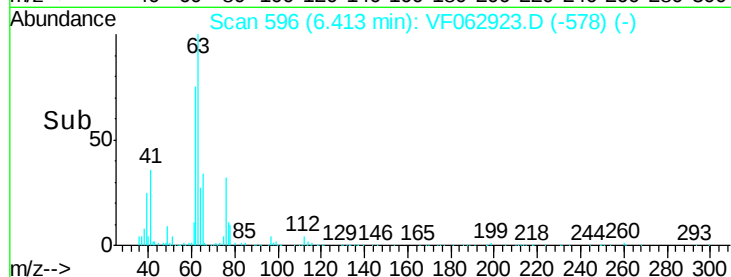
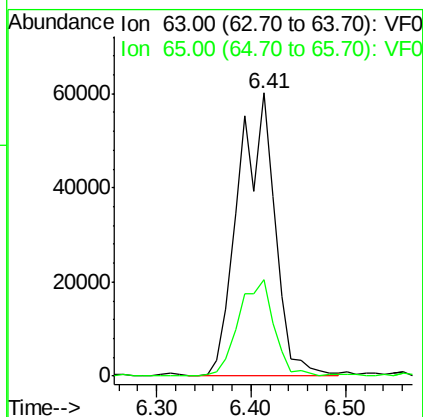
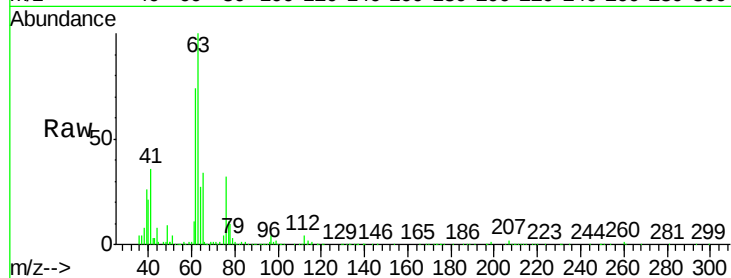
65 34.1 24.2 36.2

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#46

Dibromomethane

Concen: 21.468 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

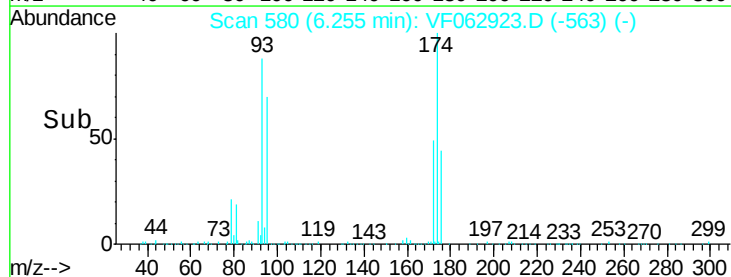
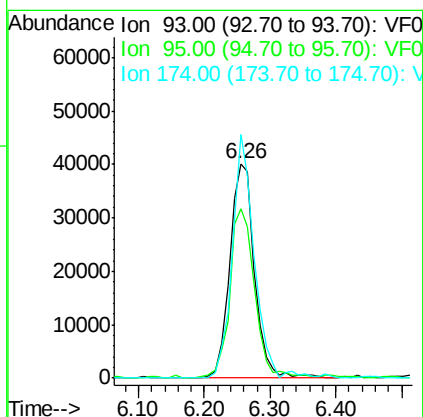
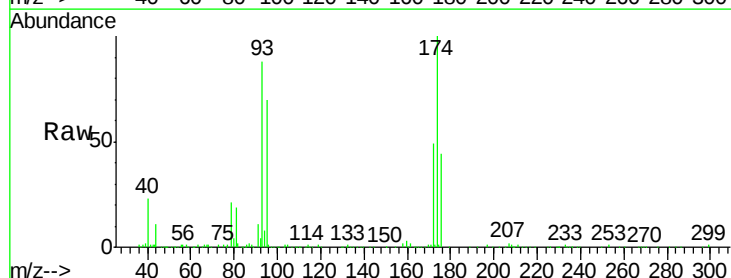
Tgt Ion: 93 Resp: 105338

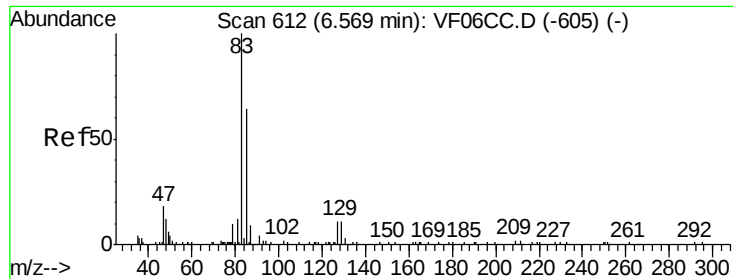
Ion Ratio Lower Upper

93 100

95 79.0 67.9 101.9

174 114.6 85.0 127.4





#47

Bromodichloromethane

Concen: 20.964 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.04 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

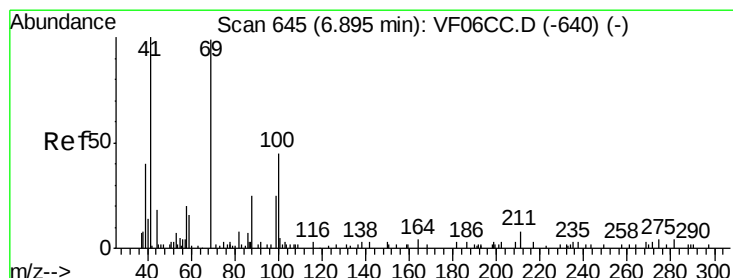
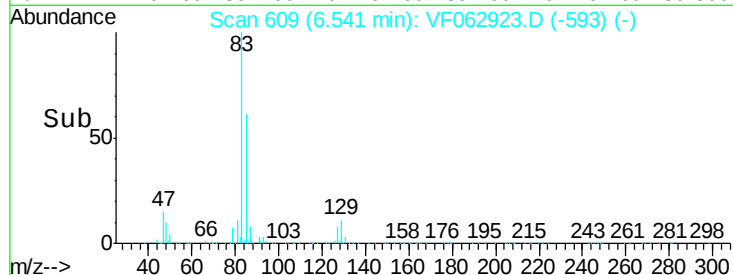
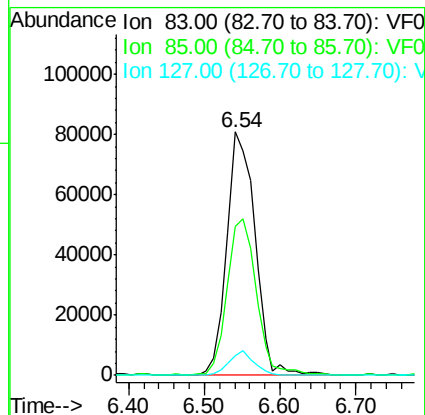
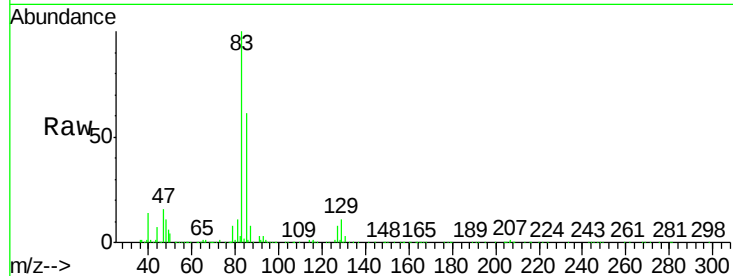
ClientSampleId :

VF0612SBSD01

Tot Ion:	83	Resp:	209495
Ion Ratio	Lower	Upper	
83	100		
85	61.3	54.2	81.4
127	8.2	7.0	10.4

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#48

Methyl methacrylate

Concen: 18.764 ug/l

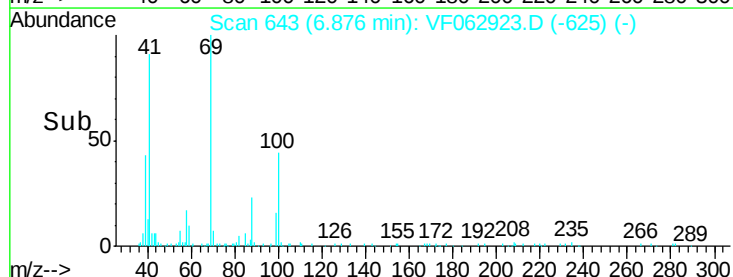
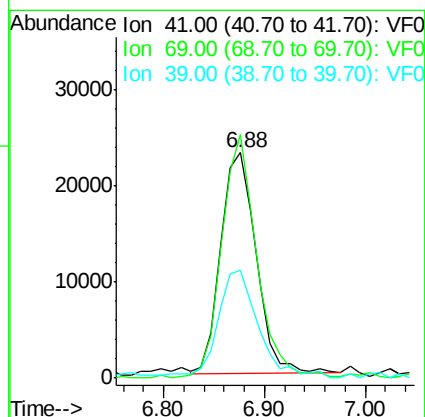
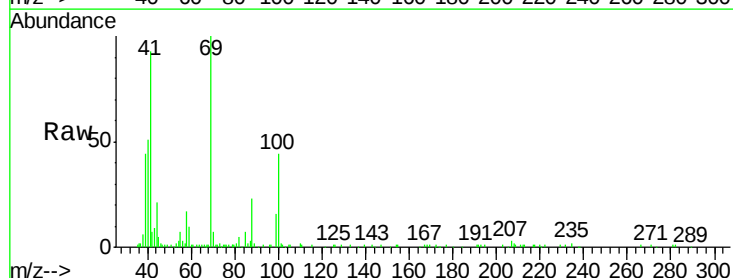
RT: 6.88 min Scan# 643

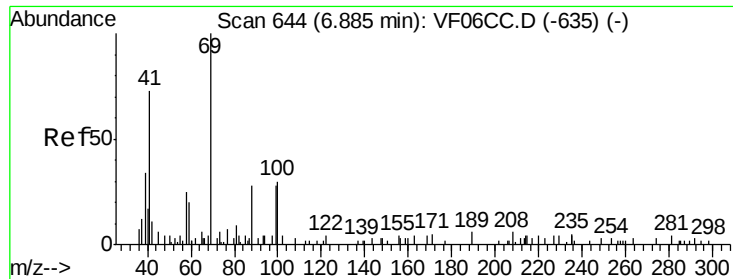
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	41	Resp:	56191
Ion Ratio	Lower	Upper	
41	100		
69	107.9	79.4	119.2
39	47.7	39.8	59.6





#49

1,4-Dioxane

Concen: 433.457 ug/l

RT: 6.88 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

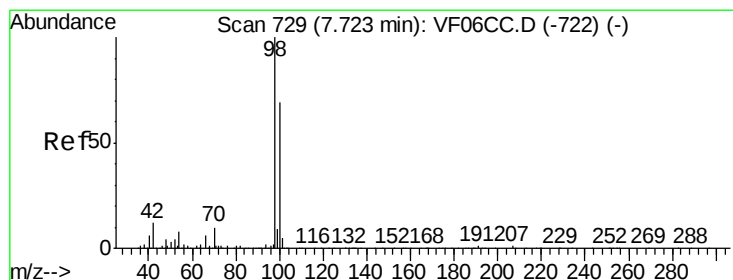
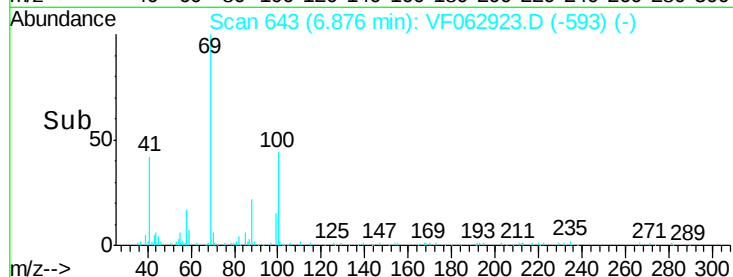
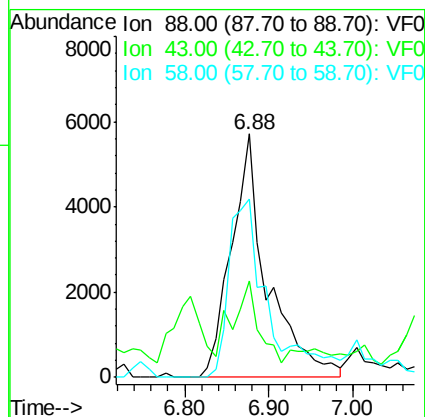
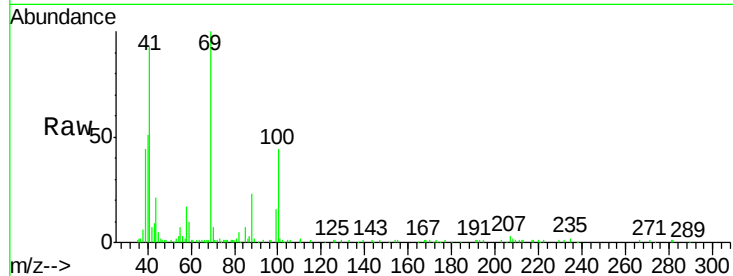
ClientSampleId :

VF0612SBSD01

Tot Ion:	88	Resp:	17110
Ion Ratio	Lower	Upper	
88	100		
43	39.7	34.8	52.2
58	73.4	59.9	89.9

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#50

Toluene-d8

Concen: 54.949 ug/l

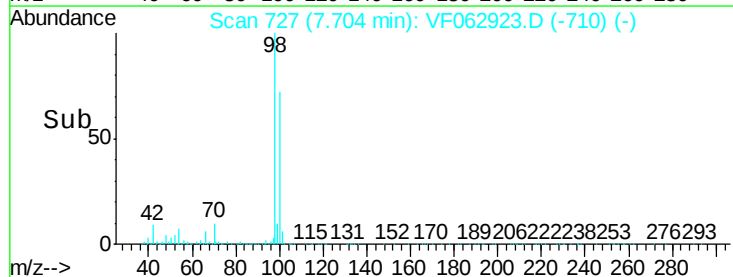
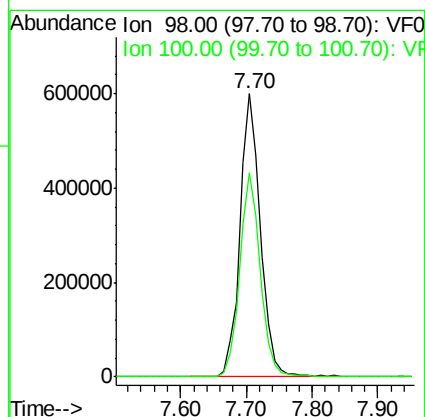
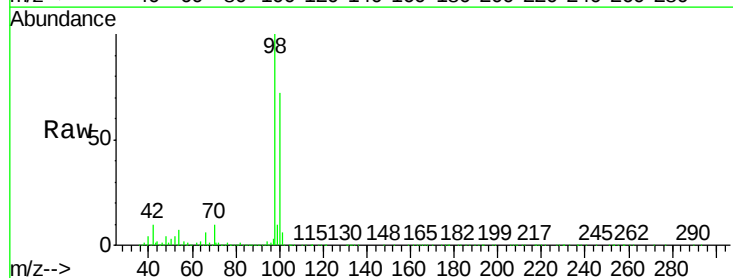
RT: 7.70 min Scan# 727

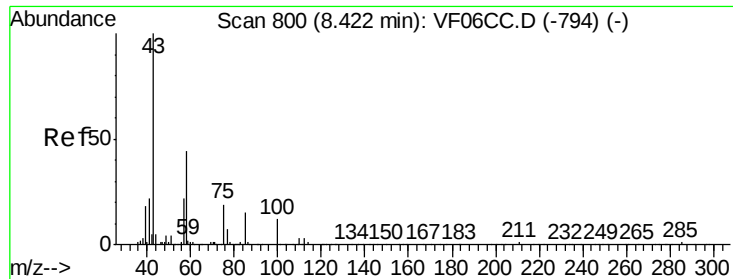
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	98	Resp:	1312473
Ion Ratio	Lower	Upper	
98	100		
100	72.2	59.8	89.8





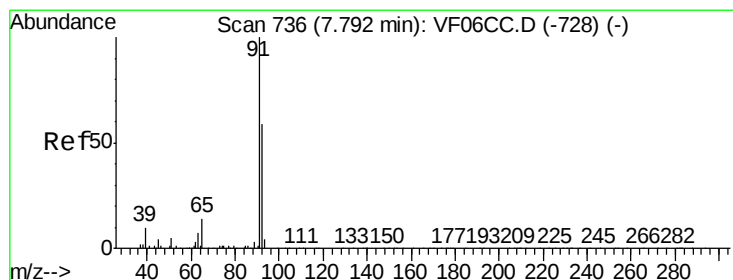
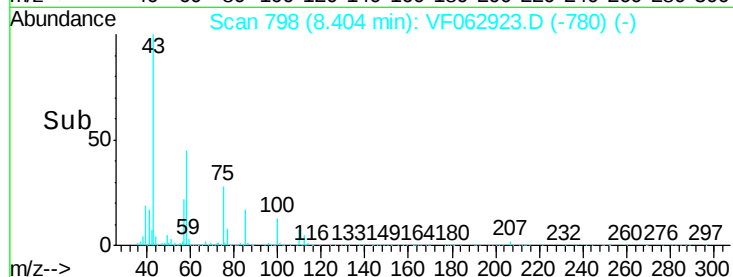
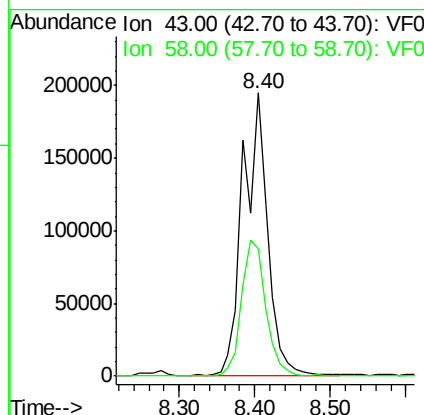
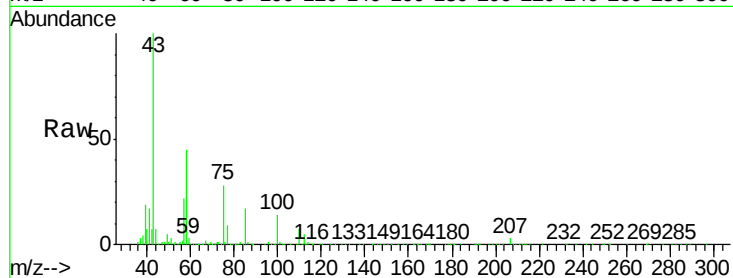
#51
4-Methyl-2-Pentanone
Concen: 106.789 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.9	35.5	53.3

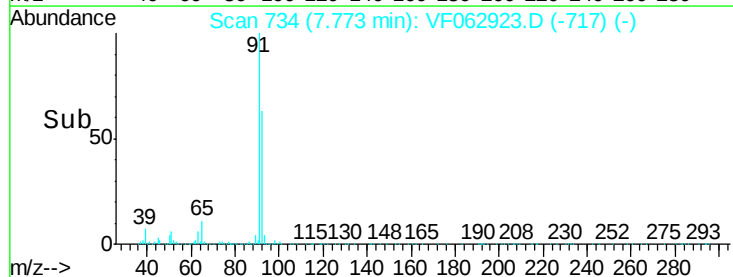
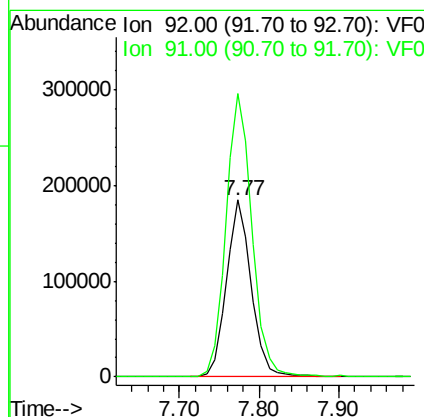
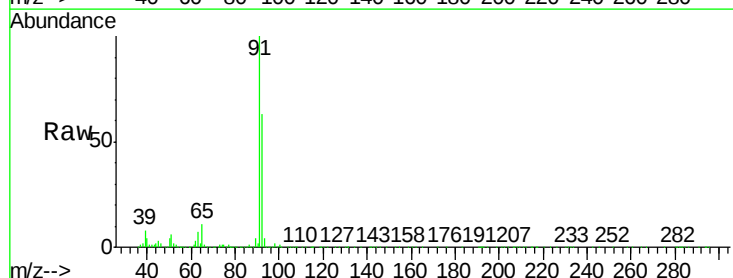
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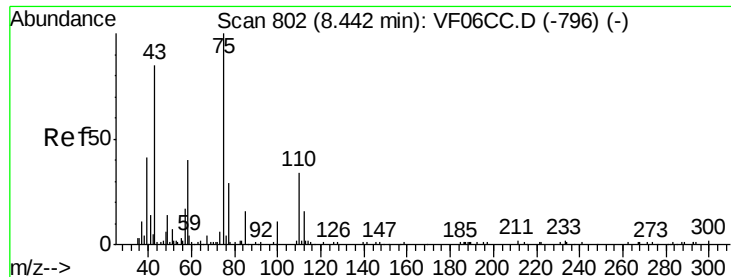
MMDadoda
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#52
Toluene
Concen: 22.564 ug/l
RT: 7.77 min Scan# 734
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	159.8	123.2	184.8





#53

t-1,3-Dichloropropene

Concen: 22.705 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tot Ion: 75 Resp: 188008

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

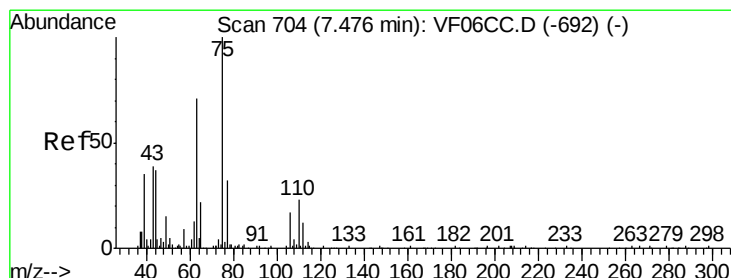
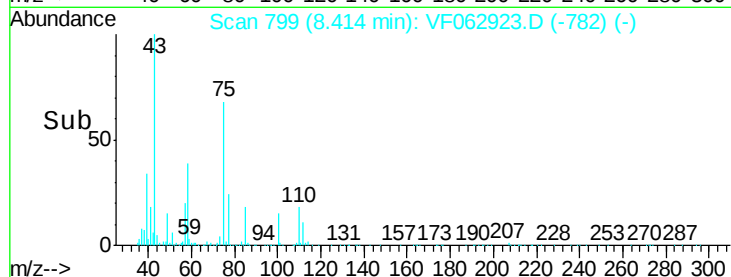
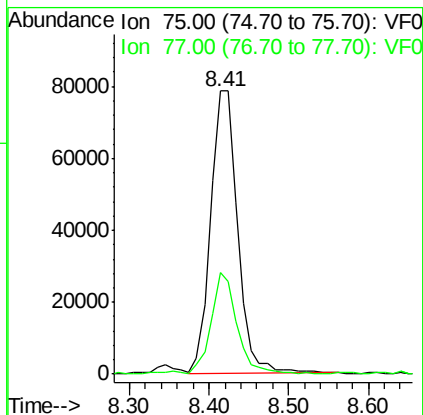
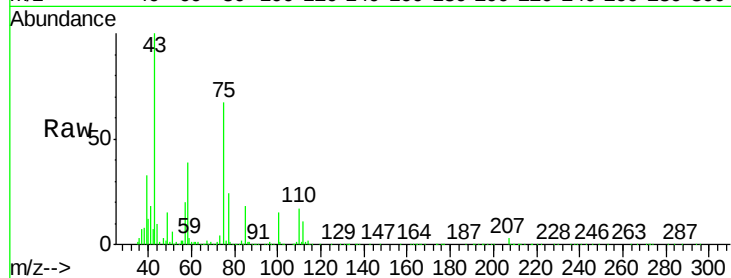
VF0612SBS01

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#54

cis-1,3-Dichloropropene

Concen: 23.059 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

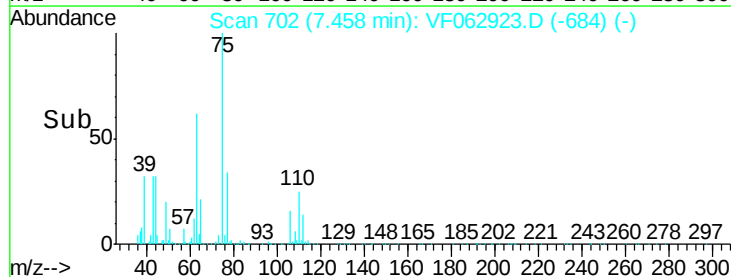
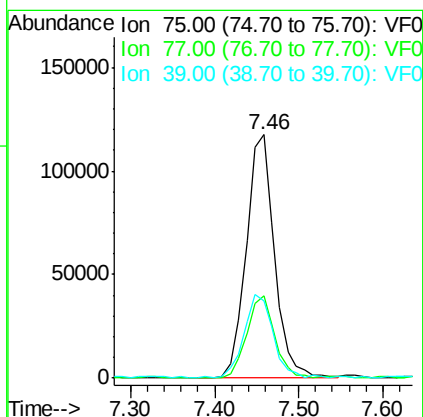
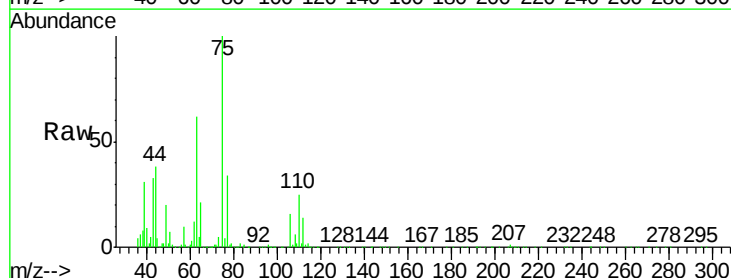
Tgt Ion: 75 Resp: 276393

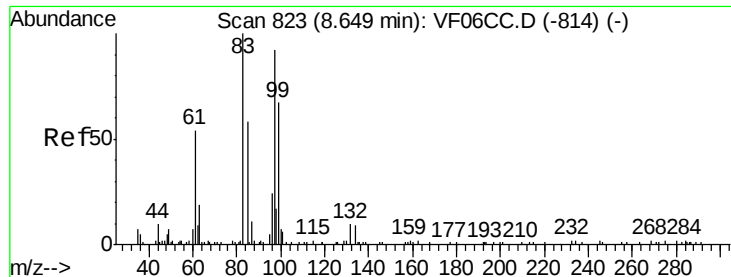
Ion Ratio Lower Upper

75 100

77 34.0 25.8 38.8

39 31.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 22.019 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

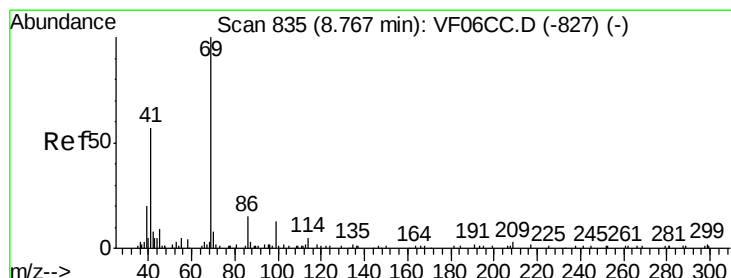
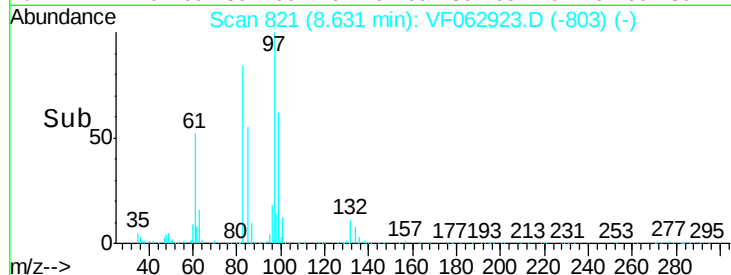
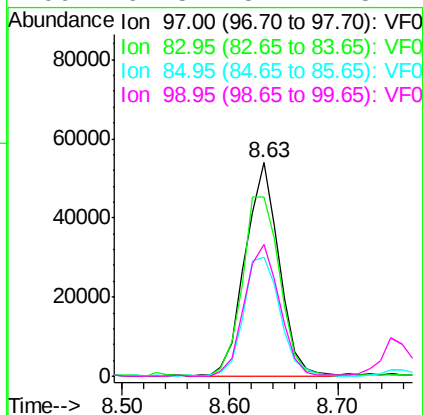
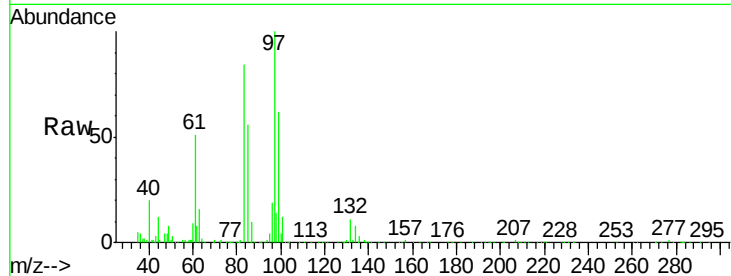
ClientSampleId :

VF0612SBSD01

Tot Ion:	97	Resp:	118657
Ion	Ratio	Lower	Upper
97	100		
83	83.8	72.0	108.0
85	55.7	47.5	71.3
99	61.8	54.1	81.1

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#56

Ethyl methacrylate

Concen: 19.500 ug/l

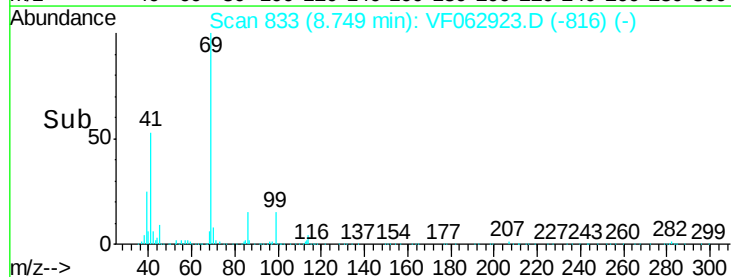
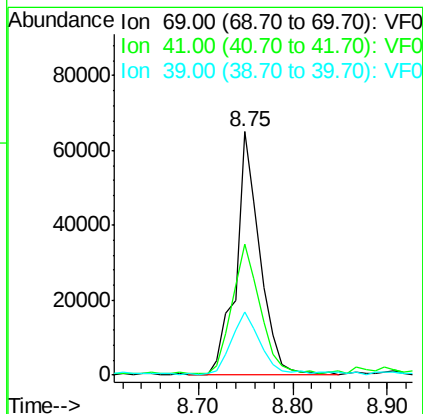
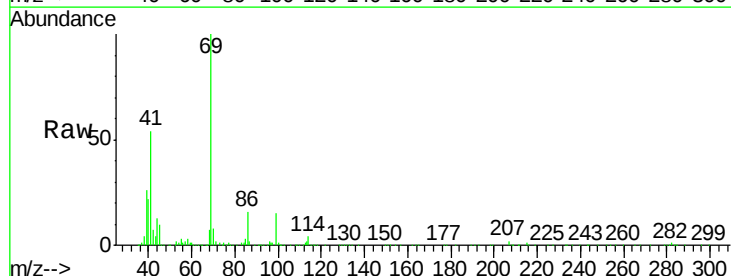
RT: 8.75 min Scan# 833

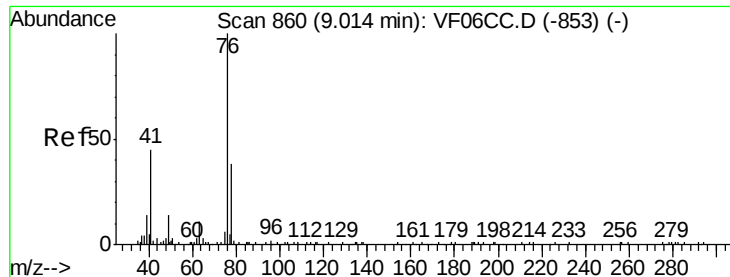
Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	69	Resp:	112748
Ion	Ratio	Lower	Upper
69	100		
41	54.0	46.6	69.8
39	26.2	19.6	29.4





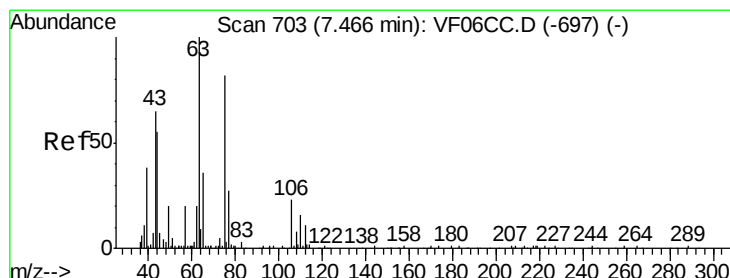
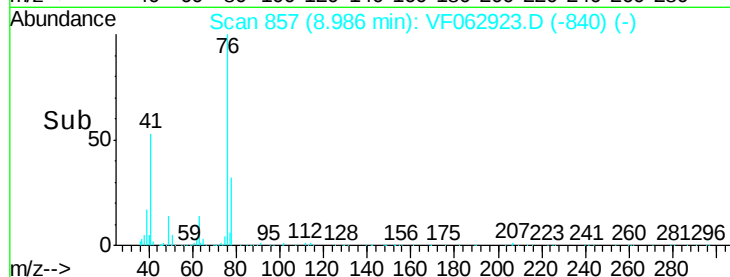
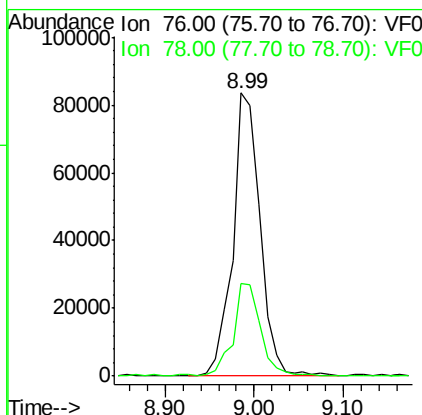
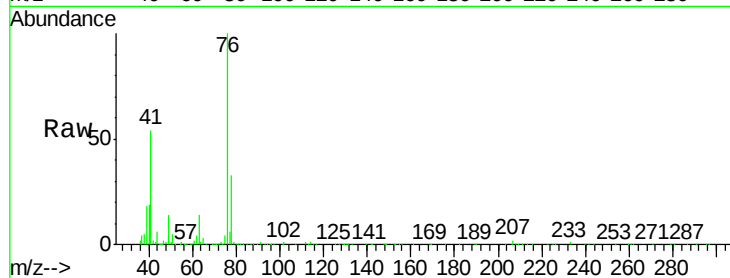
#57
 1,3-Dichloropropane
 Concen: 20.385 ug/l
 RT: 8.99 min Scan# 857
 Delta R.T. -0.03 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	32.9	26.8	40.2	

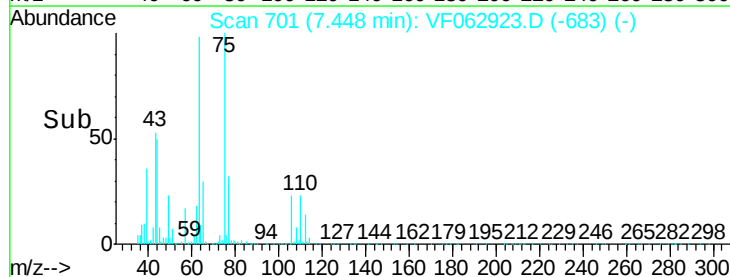
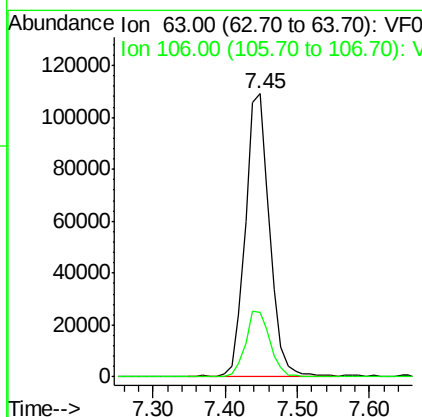
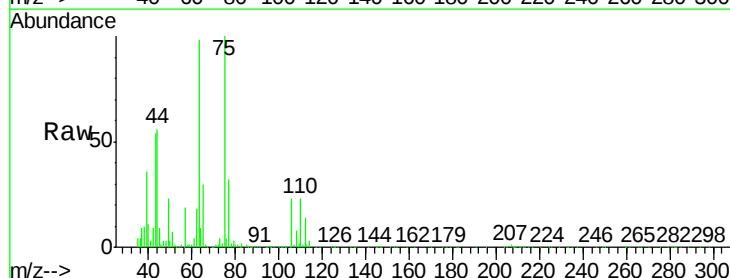
Manual Integrations
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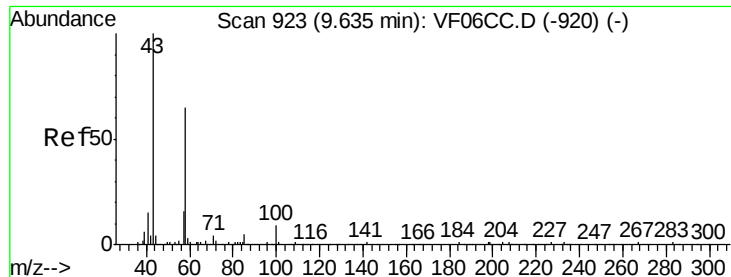
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 6/13/2019 11:33:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.188 ug/l
 RT: 7.45 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	23.0	19.5	29.3	





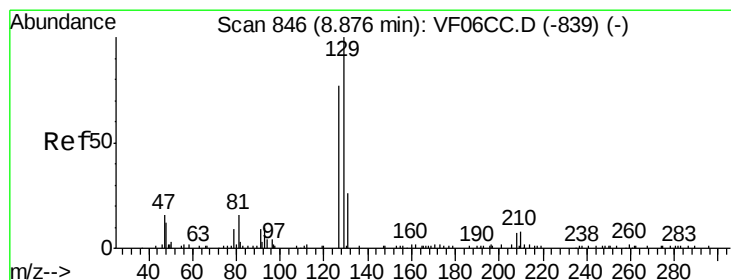
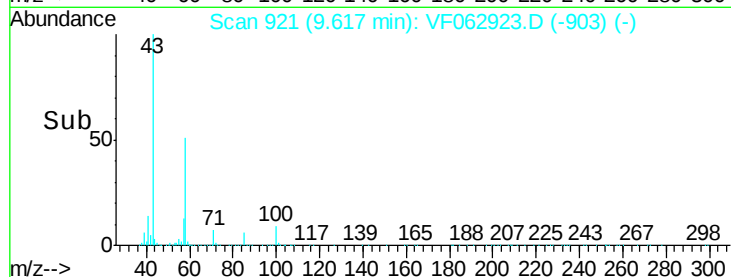
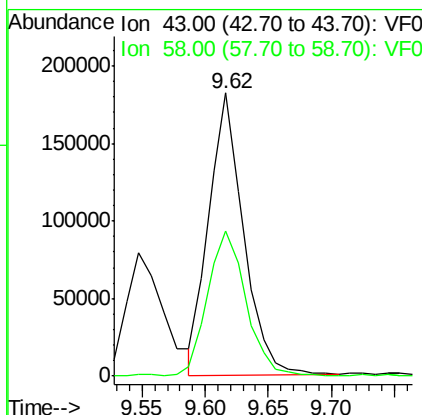
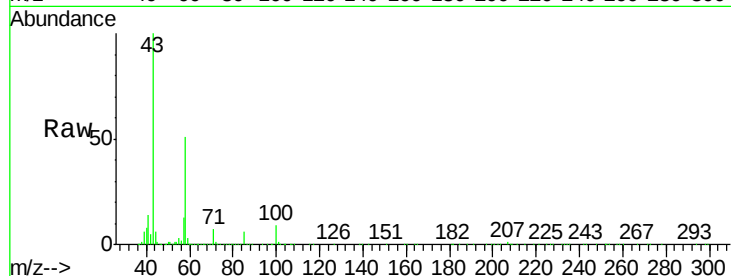
#59
2-Hexanone
Concen: 117.308 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion: 43 Resp: 346877
Ion Ratio Lower Upper
43 100
58 51.2 29.3 87.9

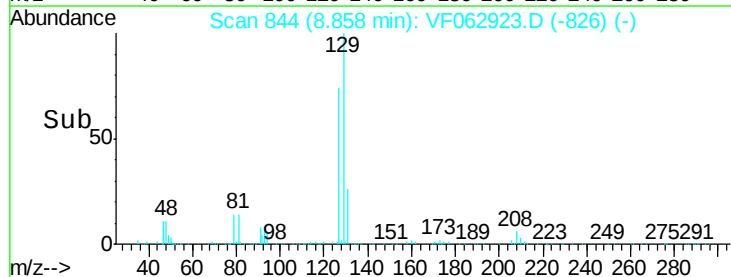
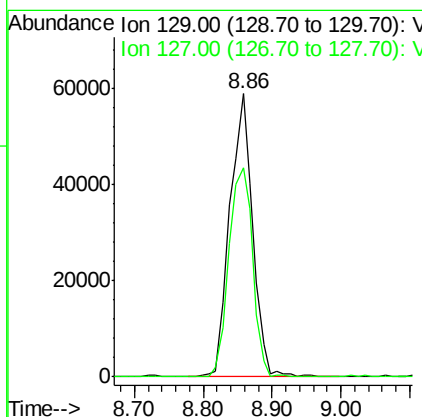
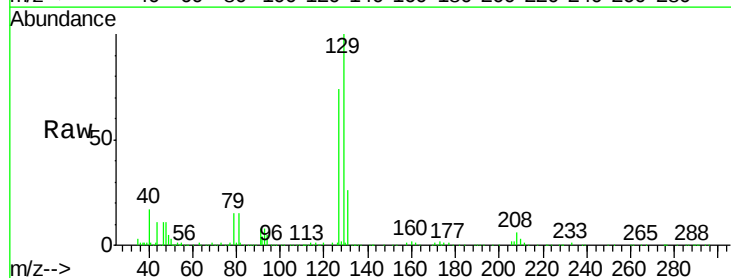
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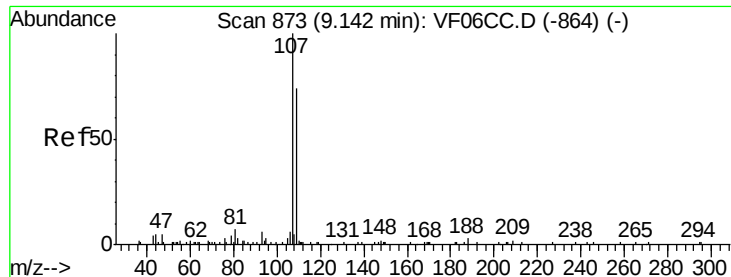
MMDadoda
6/13/2019 11:33:02 AM



#60
Dibromochloromethane
Concen: 20.282 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 129 Resp: 135318
Ion Ratio Lower Upper
129 100
127 73.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 17.700 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion:107 Resp: 99061

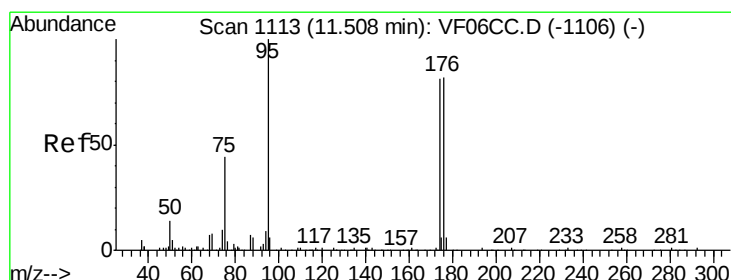
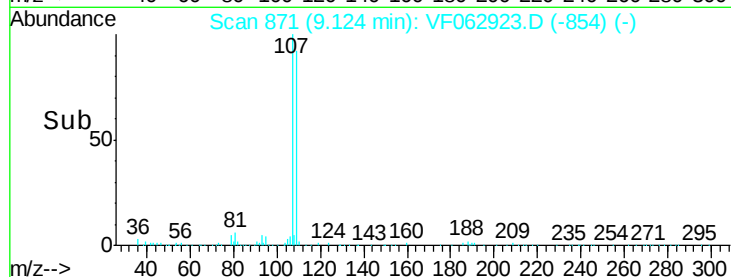
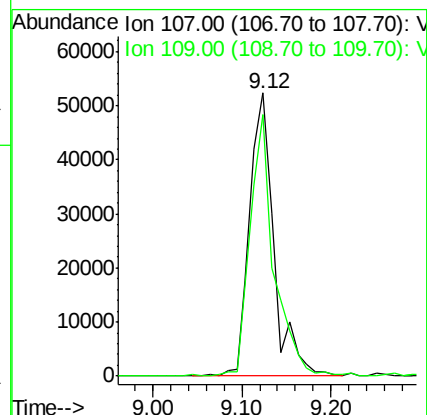
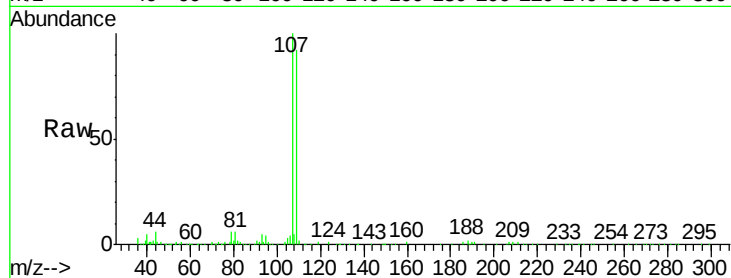
Ion Ratio Lower Upper

107 100

109 92.2 78.1 117.1

Manual Integrations
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MMDadoda
6/13/2019 11:33:02 AM



#62

4-Bromofluorobenzene

Concen: 48.523 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

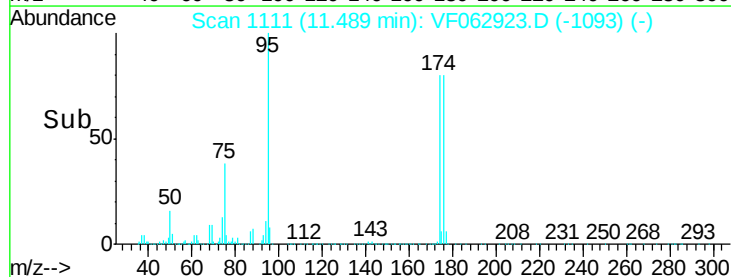
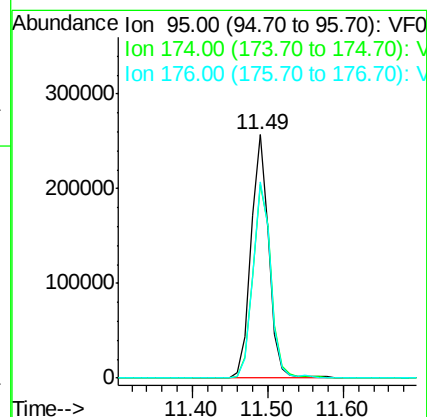
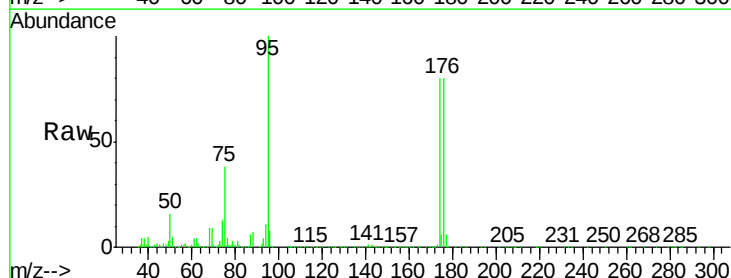
Tgt Ion: 95 Resp: 416905

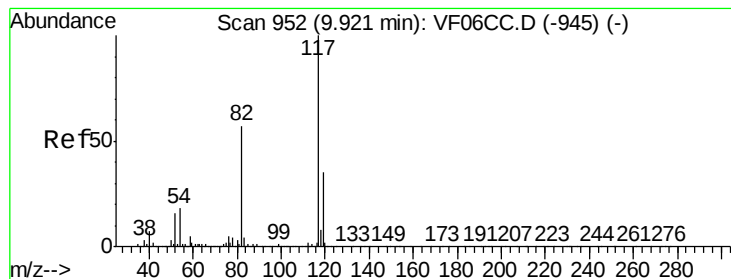
Ion Ratio Lower Upper

95 100

174 79.6 0.0 170.6

176 80.5 0.0 170.6





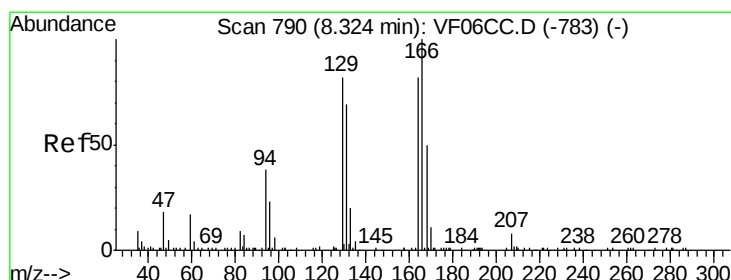
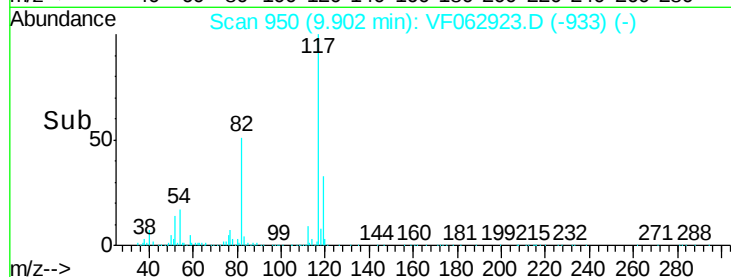
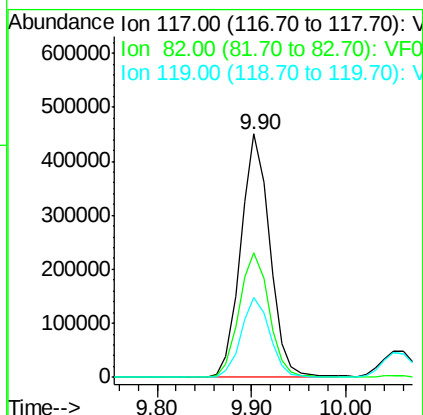
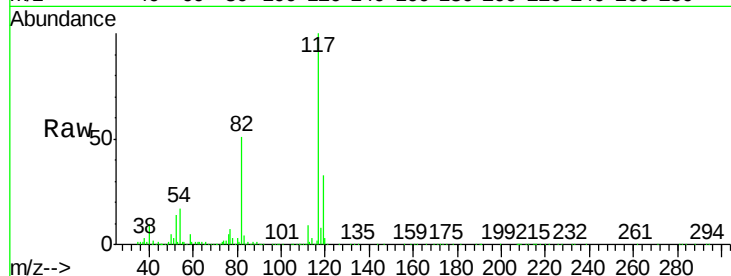
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.4	63.6
119	32.7	27.1	40.7

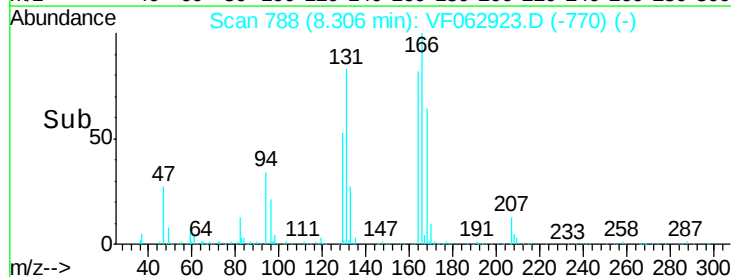
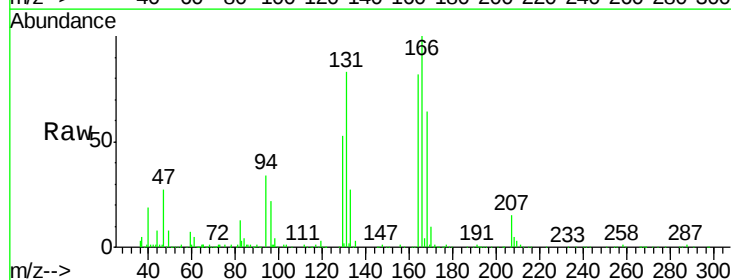
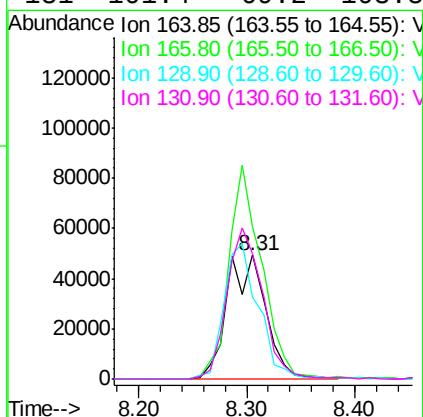
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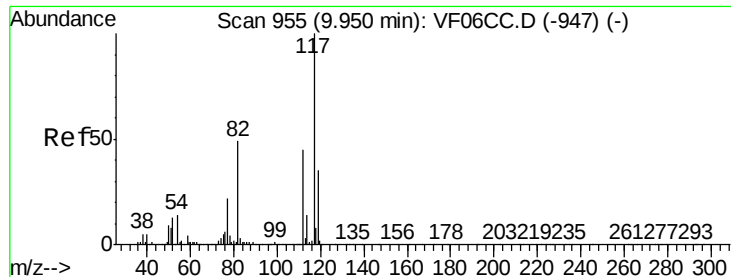
MMDadoda
6/13/2019 11:33:02 AM



#64
Tetrachloroethene
Concen: 16.602 ug/l
RT: 8.31 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	99.1	148.7
129	65.5	69.5	104.3
131	101.4	69.2	103.8





#65

Chlorobenzene

Concen: 20.357 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion:112 Resp: 377252

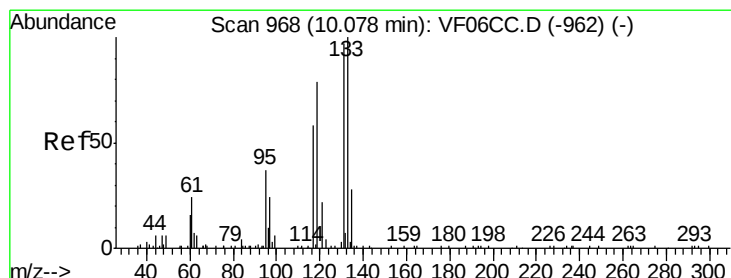
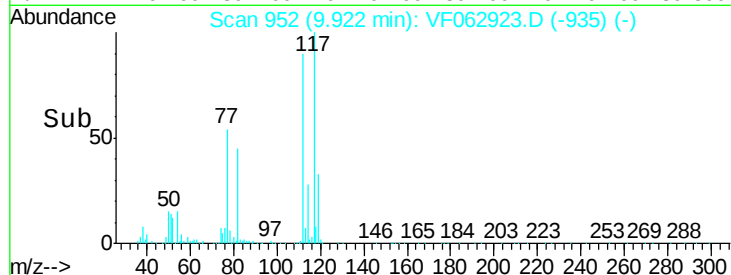
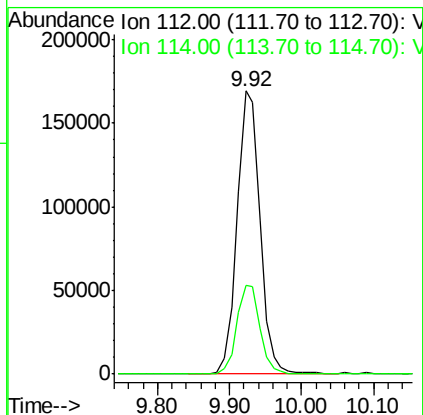
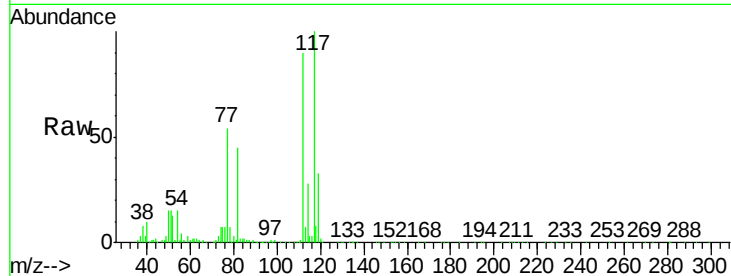
Ion Ratio Lower Upper

112 100

114 31.6 27.4 41.0

Manual Integrations
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MMDadoda
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.322 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

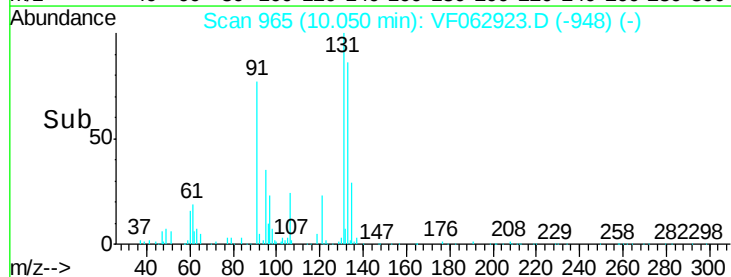
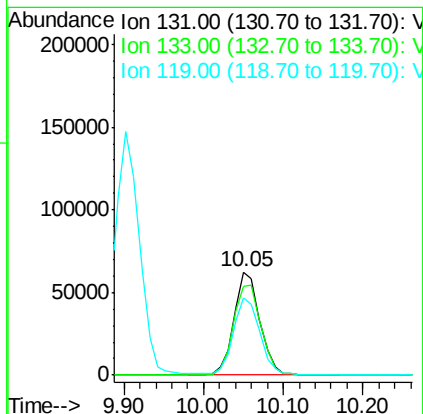
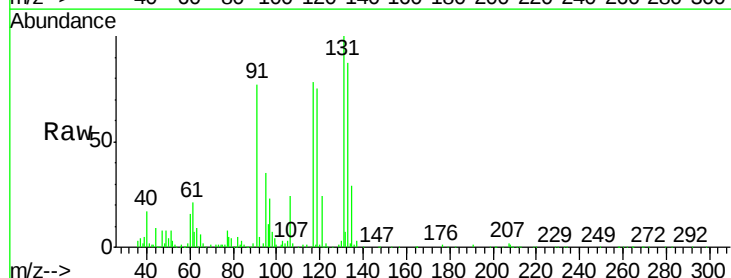
Tgt Ion:131 Resp: 142598

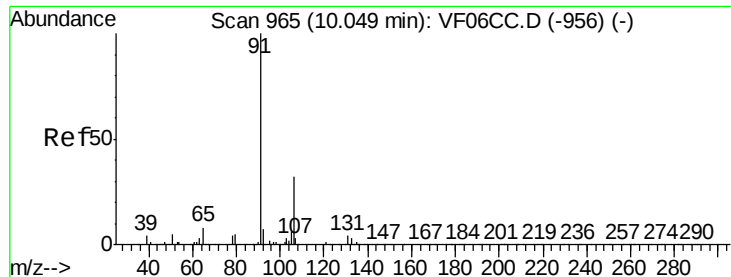
Ion Ratio Lower Upper

131 100

133 86.7 48.9 146.7

119 74.9 38.0 114.0





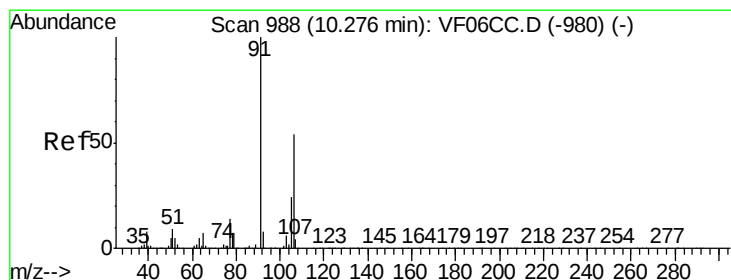
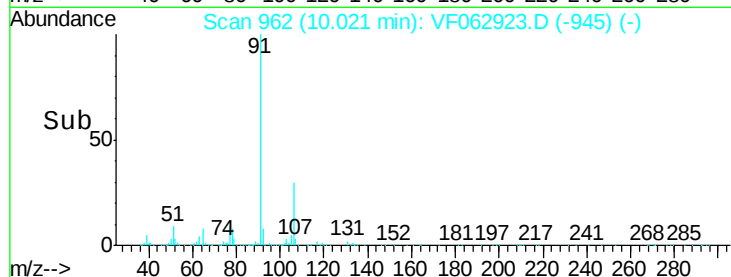
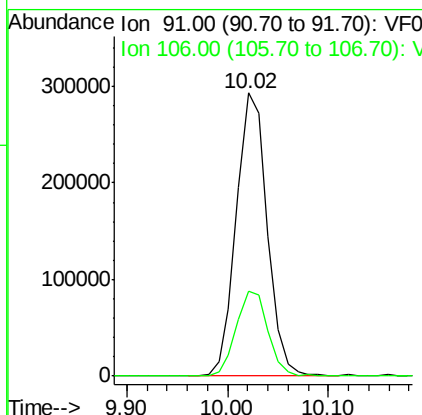
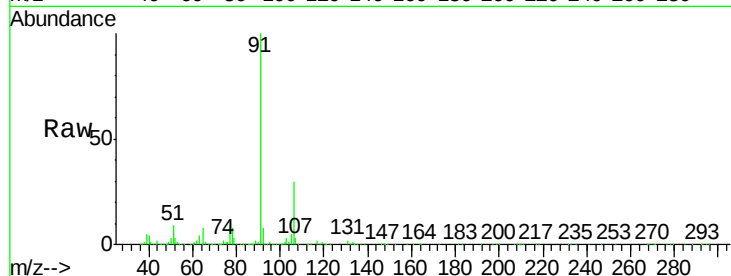
#67
Ethyl Benzene
Concen: 19.787 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.0	26.0	39.0

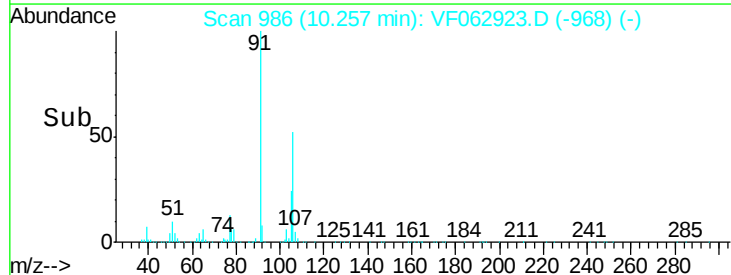
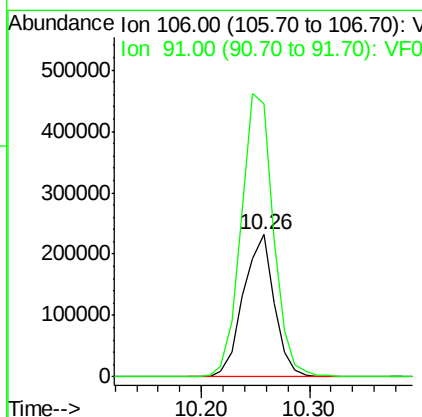
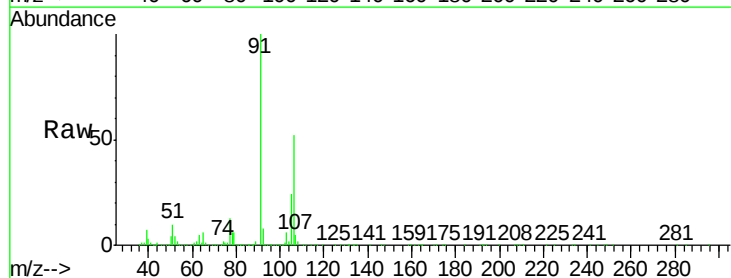
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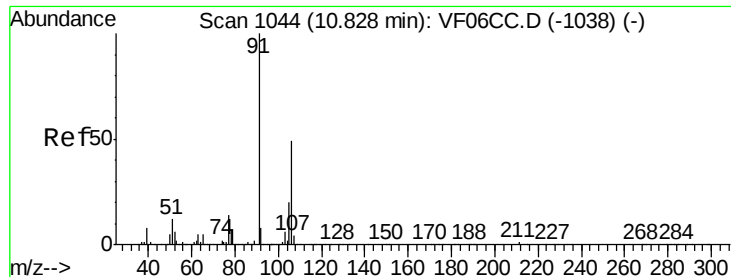
MMDadoda
6/13/2019 11:33:02 AM



#68
m/p-Xylenes
Concen: 37.929 ug/l
RT: 10.26 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.5	136.2	204.4





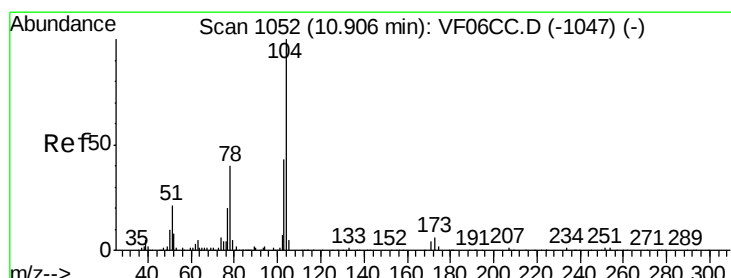
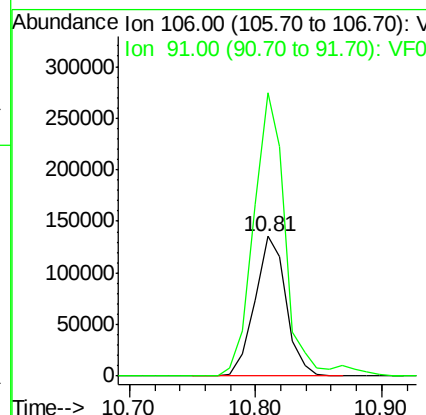
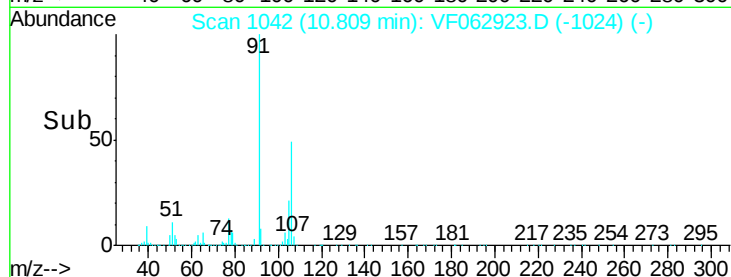
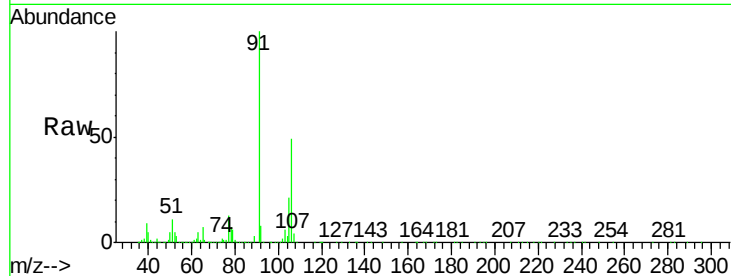
#69
o-Xylene
Concen: 19.021 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion:106 Resp: 234351
Ion Ratio Lower Upper
106 100
91 202.4 96.6 289.8

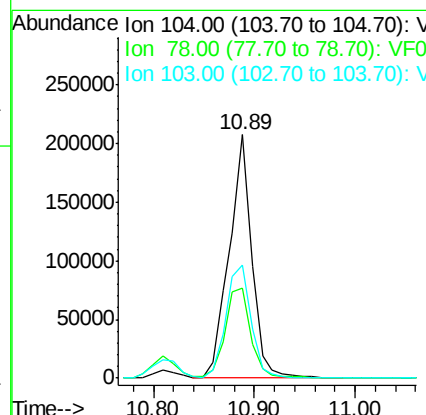
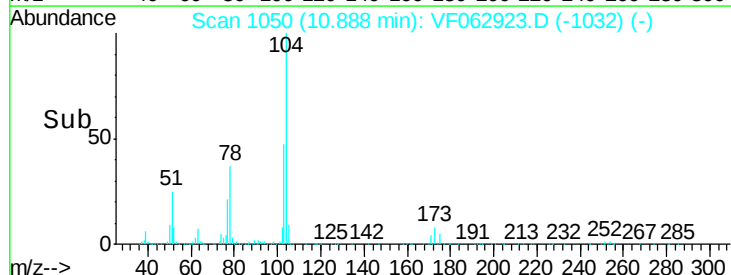
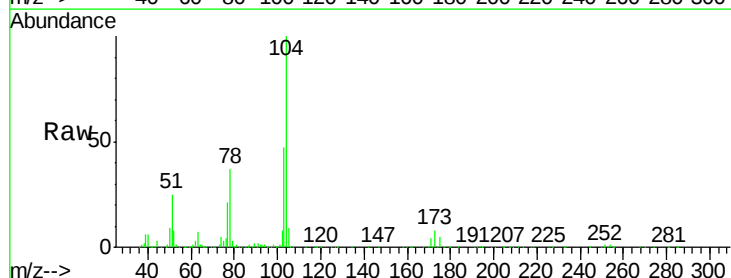
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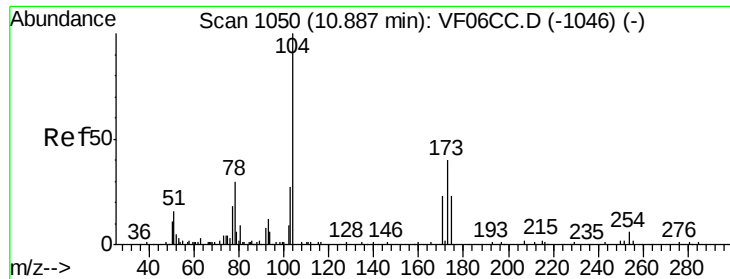
MMDadoda
6/13/2019 11:33:02 AM



#70
Styrene
Concen: 17.752 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion:104 Resp: 322372
Ion Ratio Lower Upper
104 100
78 36.8 30.8 46.2
103 46.7 35.8 53.6





#71

Bromoform

Concen: 21.298 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion:173 Resp: 75406

Ion Ratio Lower Upper

173 100

175 43.9 24.6 74.0

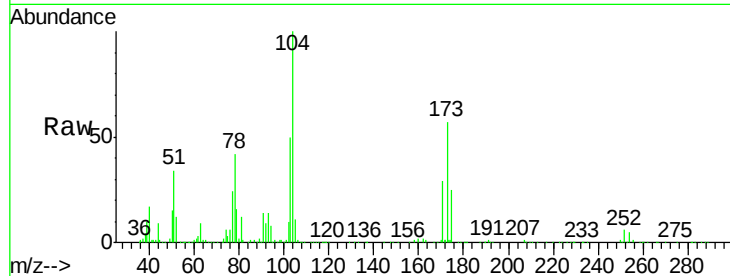
254 0.0 0.1 0.1#

Manual Integrations

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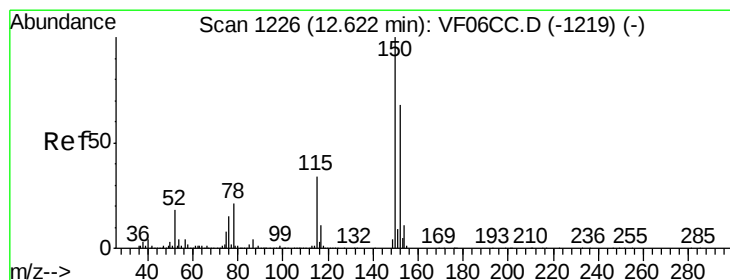
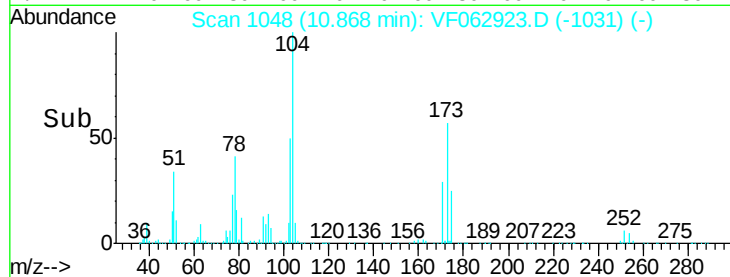
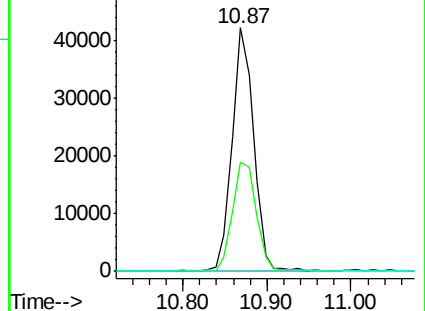
6/13/2019 11:33:02 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

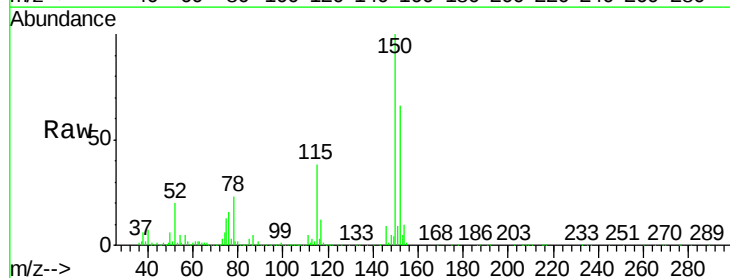
Tgt Ion:152 Resp: 429020

Ion Ratio Lower Upper

152 100

115 57.1 24.6 74.0

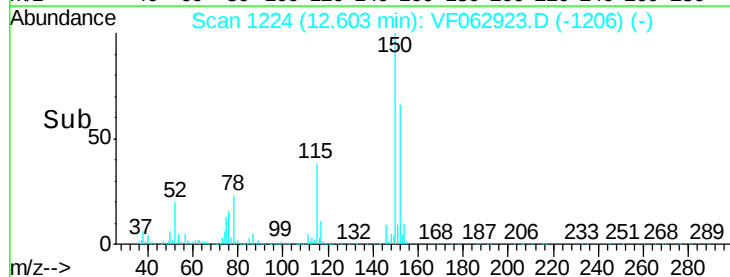
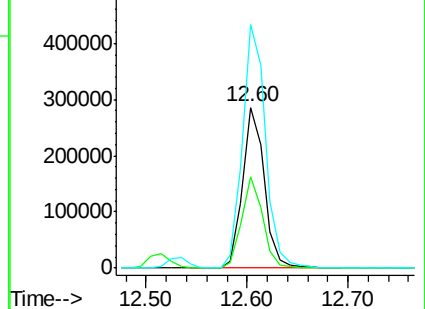
150 151.3 0.0 290.6

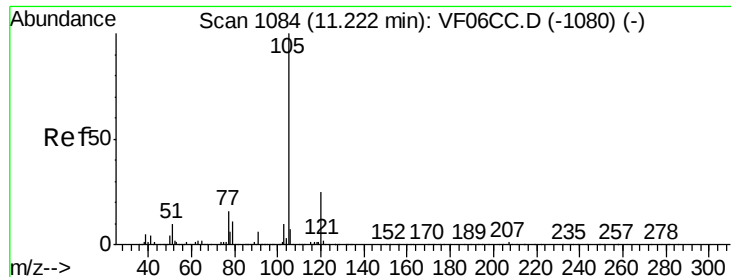


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 24.126 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

VF0612SBSD01

Tot Ion: 105 Resp: 722221

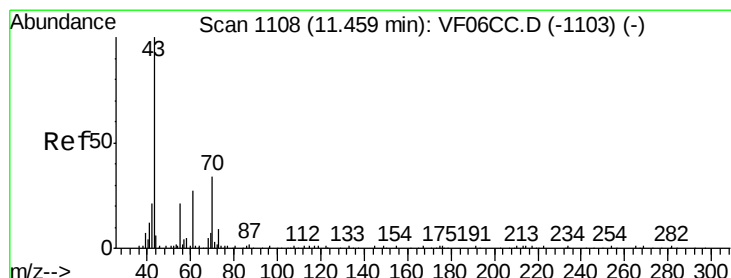
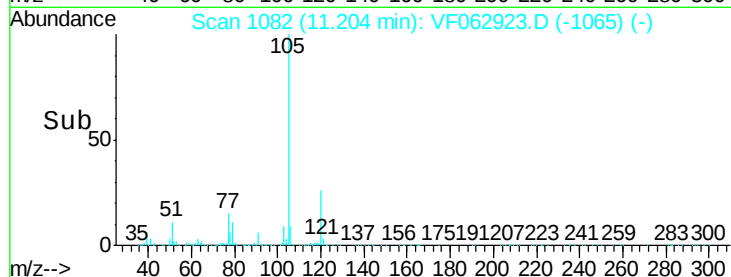
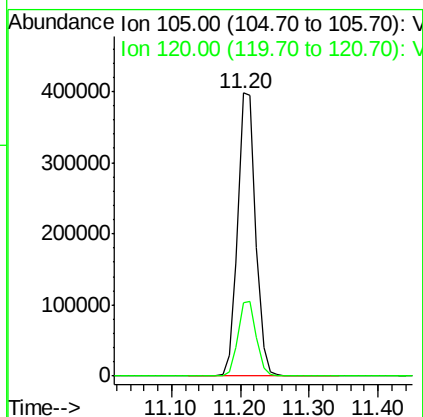
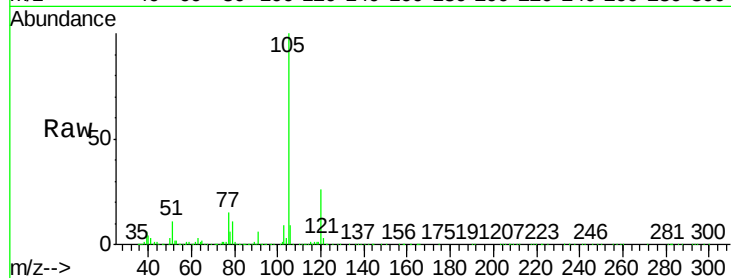
Ion Ratio Lower Upper

105 100

120 26.1 15.1 45.3

Manual Integrations
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6/13/2019 11:33:02 AM



#74

N-ethyl acetate

Concen: 23.911 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion: 43 Resp: 201736

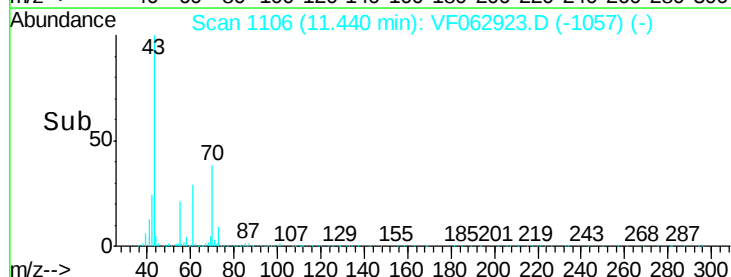
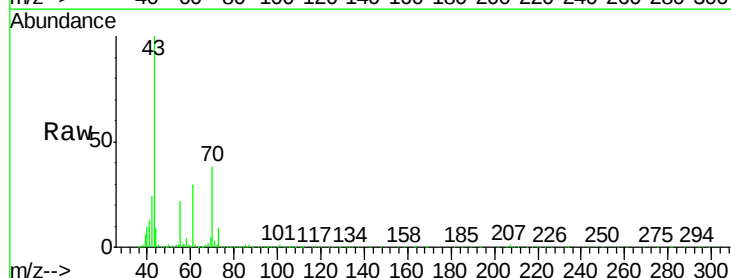
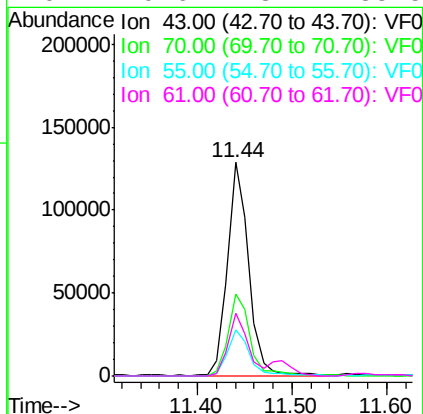
Ion Ratio Lower Upper

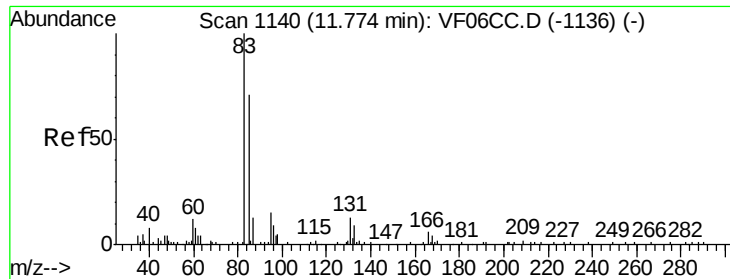
43 100

70 38.3 32.9 49.3

55 21.8 17.3 25.9

61 29.6 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.017 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

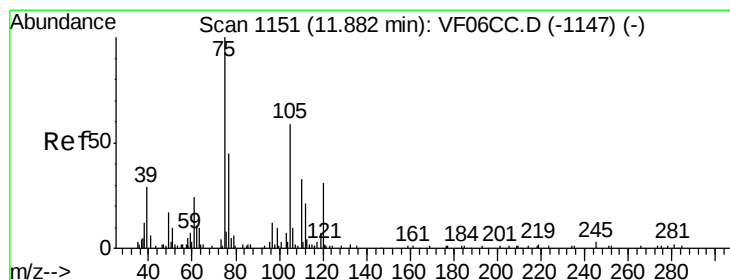
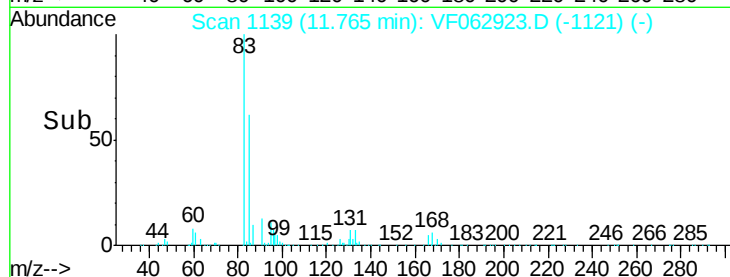
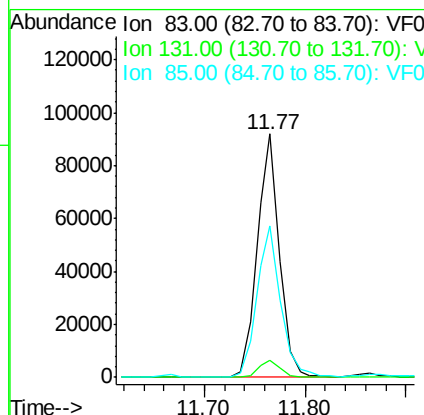
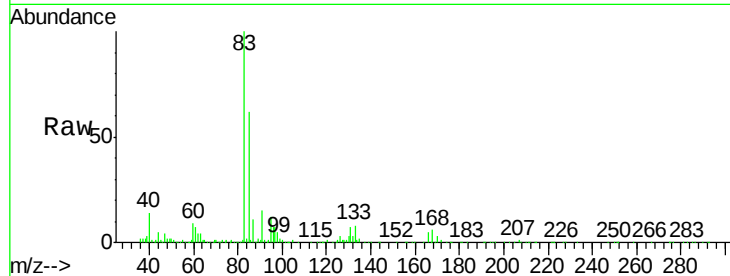
ClientSampleId :

VF0612SBSD01

Tot Ion:	83	Resp:	140750
Ion Ratio	Lower	Upper	
83	100		
131	7.0	4.9	14.7
85	62.3	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:33:02 AM



#76

1,2,3-Trichloropropane

Concen: 23.303 ug/l

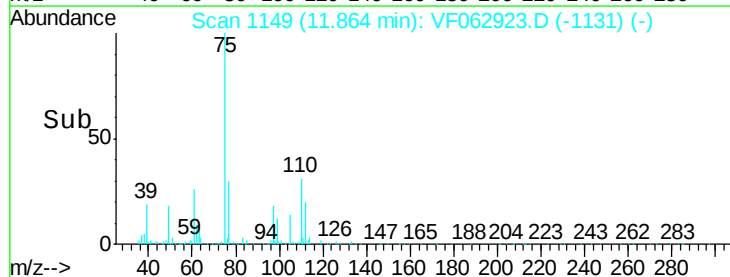
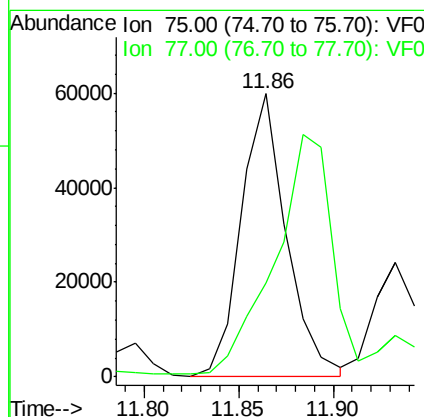
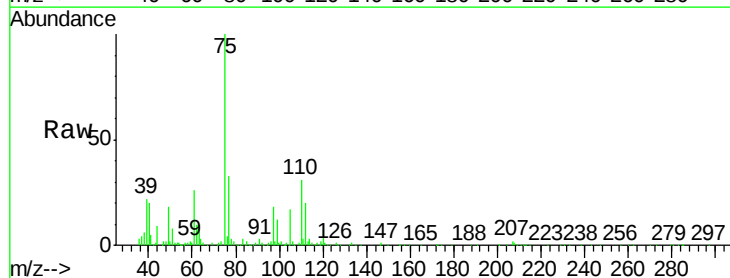
RT: 11.86 min Scan# 1149

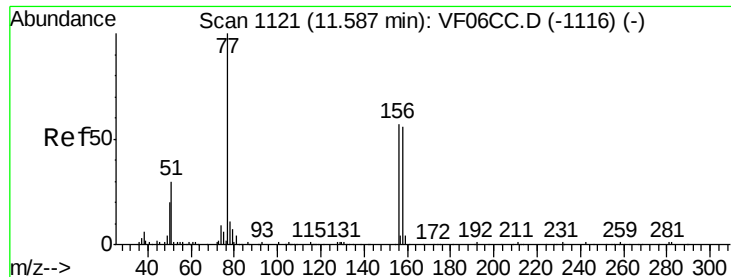
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	75	Resp:	98746
Ion Ratio	Lower	Upper	
75	100		
77	33.1	20.1	60.2





#77

Bromobenzene

Concen: 20.611 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

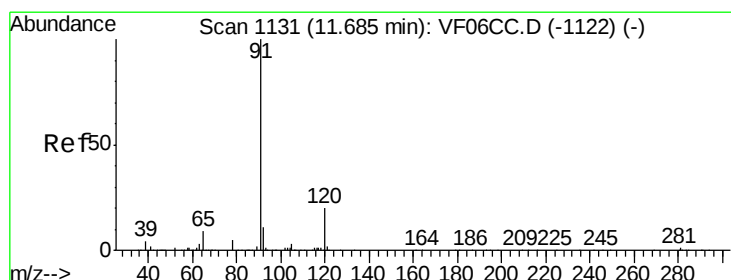
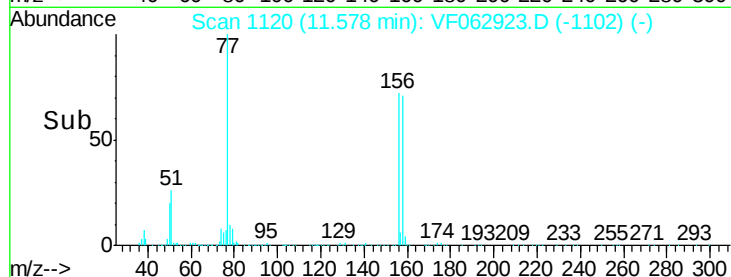
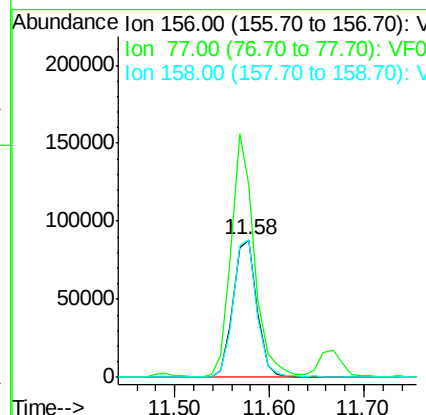
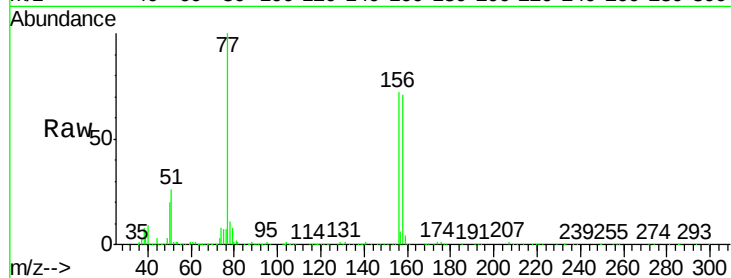
ClientSampleId :

VF0612SBSD01

Tot Ion:	156	Resp:	155024
Ion Ratio	Lower	Upper	
156	100		
77	139.6	64.2	192.6
158	99.5	50.3	151.0

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:33:02 AM



#78

n-propylbenzene

Concen: 22.506 ug/l

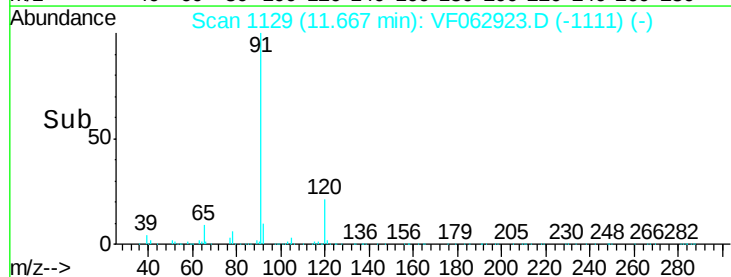
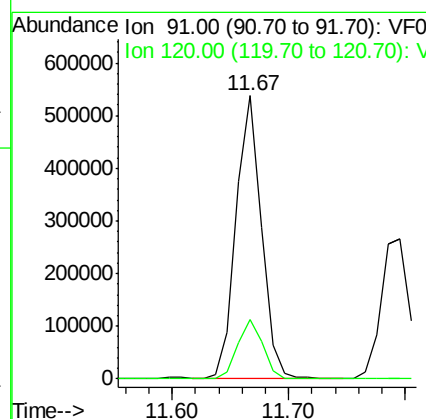
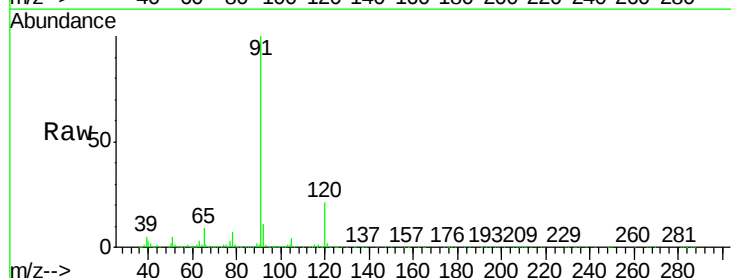
RT: 11.67 min Scan# 1129

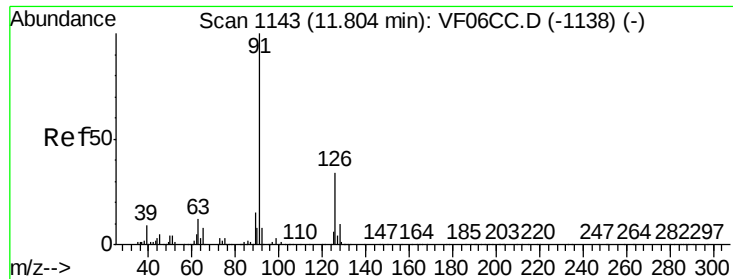
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	91	Resp:	813465
Ion Ratio	Lower	Upper	
91	100		
120	21.0	12.8	38.4





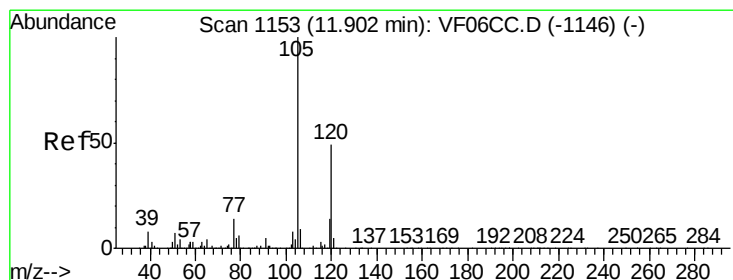
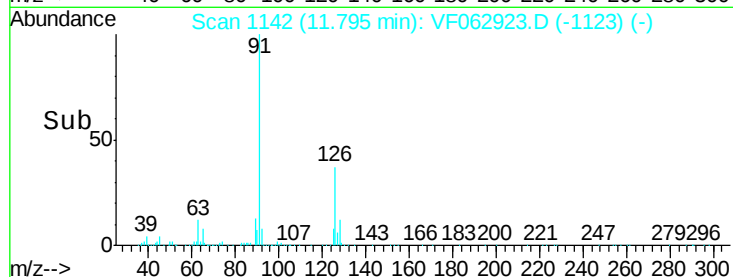
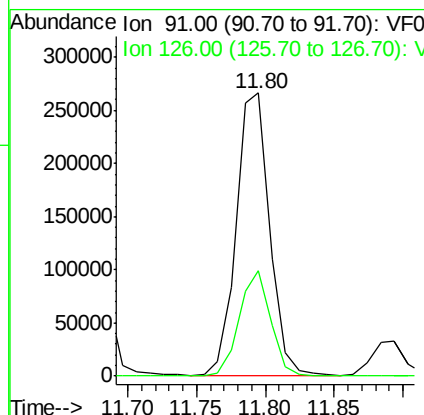
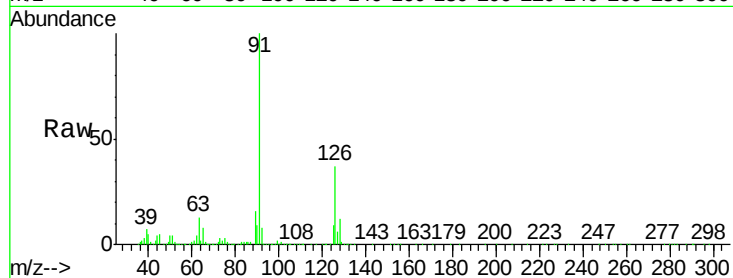
#79
2-Chlorotoluene
Concen: 21.585 ug/l
RT: 11.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion: 91 Resp: 446424
Ion Ratio Lower Upper
91 100
126 37.2 17.8 53.3

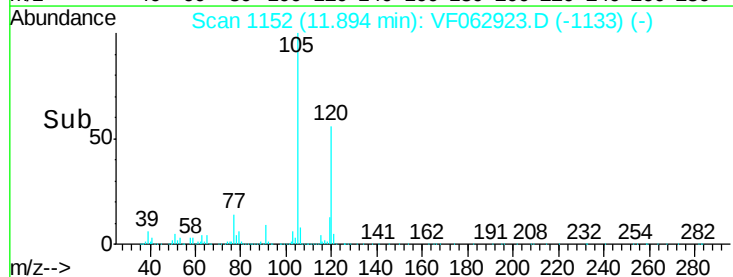
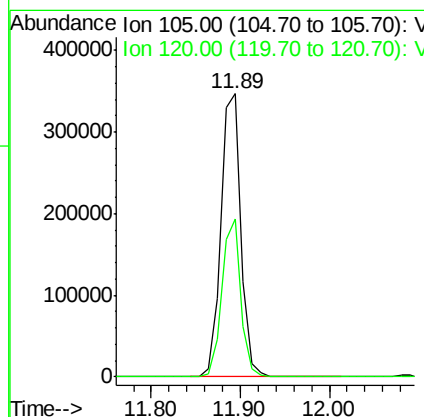
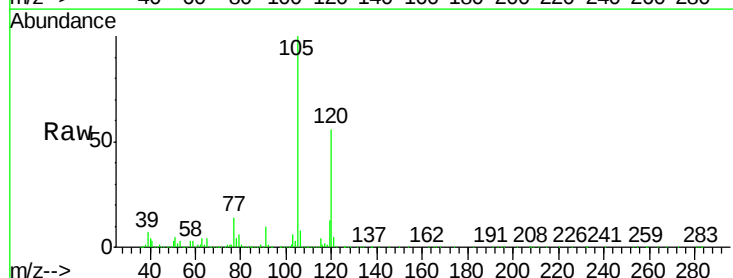
Manual Integrations
APPROVED

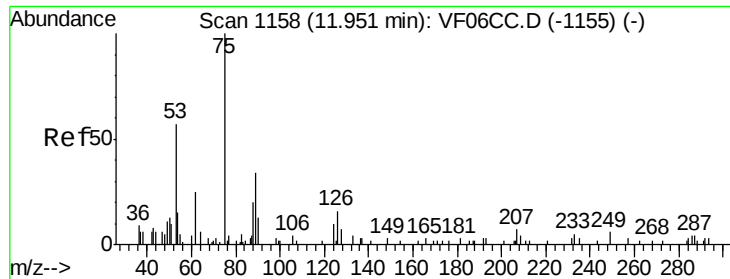
MMDadoda
6/13/2019 11:33:02 AM



#80
1,3,5-Trimethylbenzene
Concen: 22.435 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion: 105 Resp: 549227
Ion Ratio Lower Upper
105 100
120 55.6 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.048 ug/l m

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

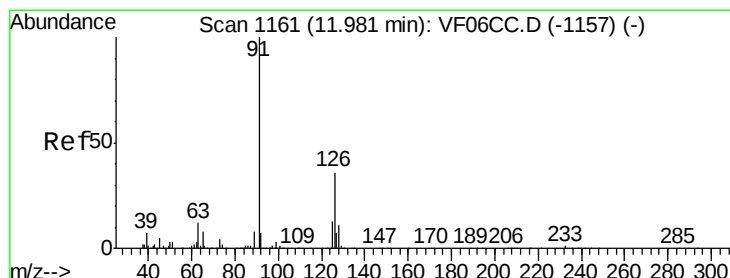
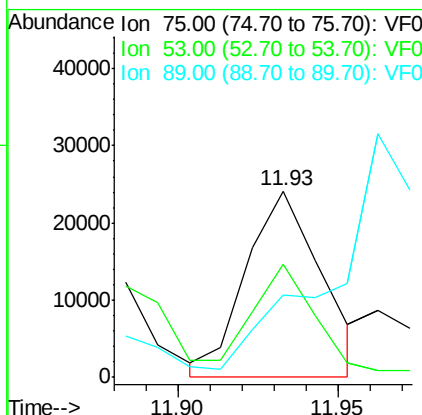
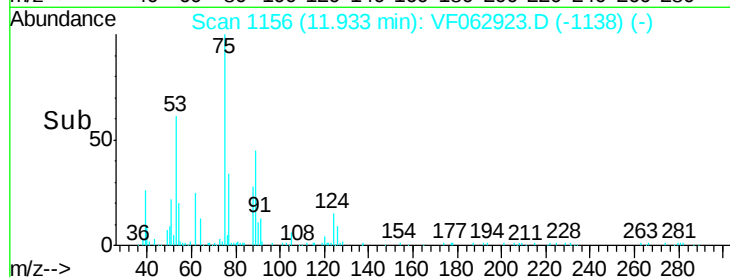
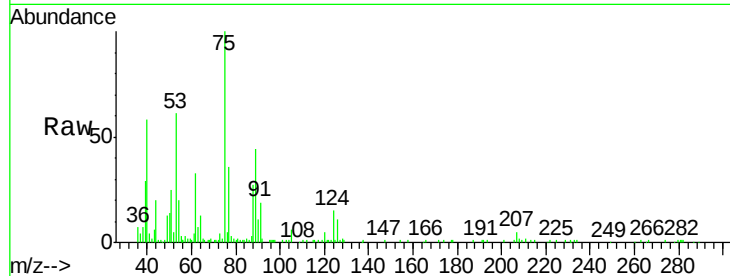
ClientSampleId :

VF0612SBSD01

Tot Ion:	75	Resp:	39554
Ion Ratio	Lower	Upper	
75	100		
53	60.5	43.5	65.3
89	44.4	34.3	51.5

Manual Integrations
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6/13/2019 11:33:02 AM



#82

4-Chlorotoluene

Concen: 21.906 ug/l

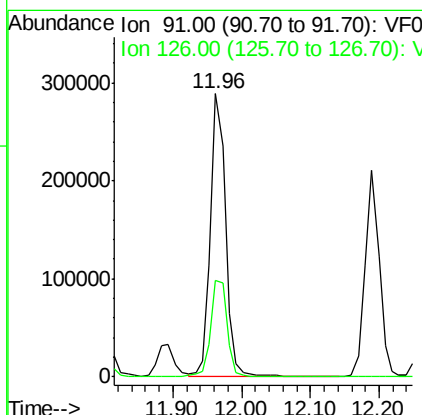
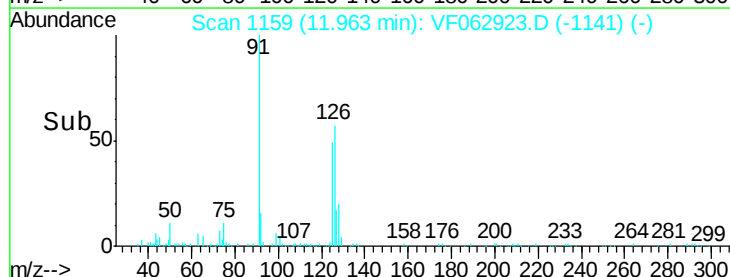
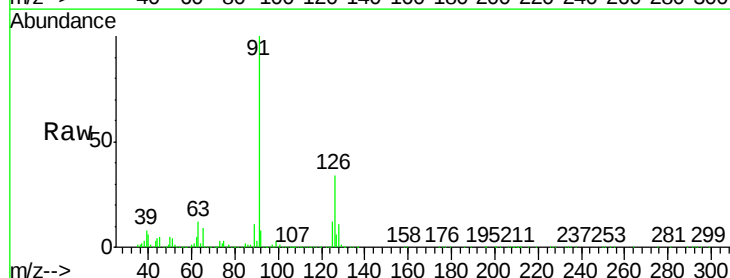
RT: 11.96 min Scan# 1159

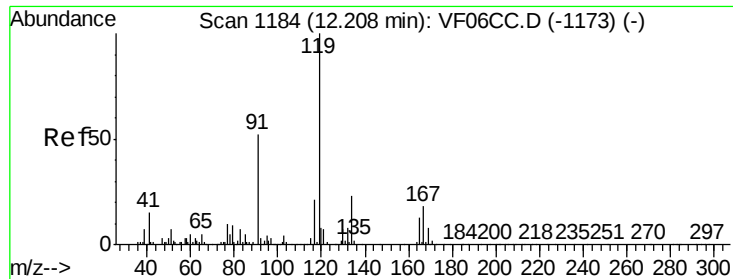
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	91	Resp:	445245
Ion Ratio	Lower	Upper	
91	100		
126	33.9	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.636 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

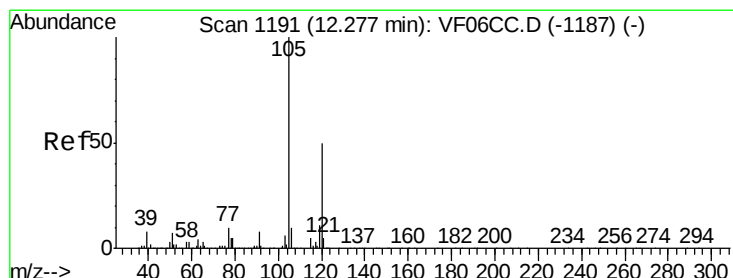
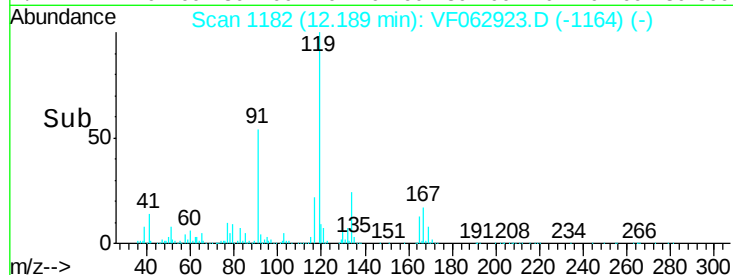
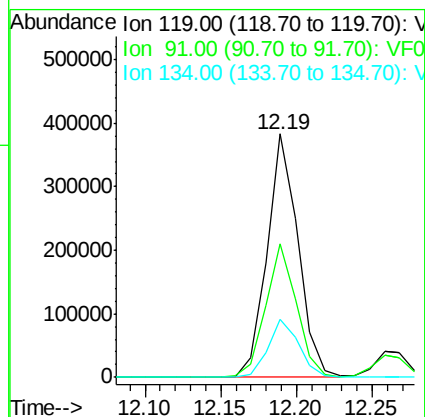
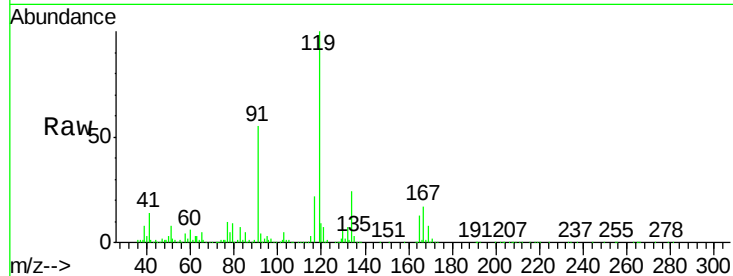
ClientSampleId :

VF0612SBSD01

Tot Ion:	119	Resp:	549086
Ion Ratio	Lower	Upper	
119	100		
91	54.9	28.9	86.7
134	23.7	14.3	42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.531 ug/l

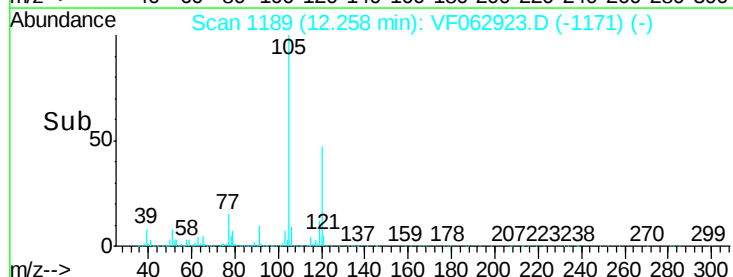
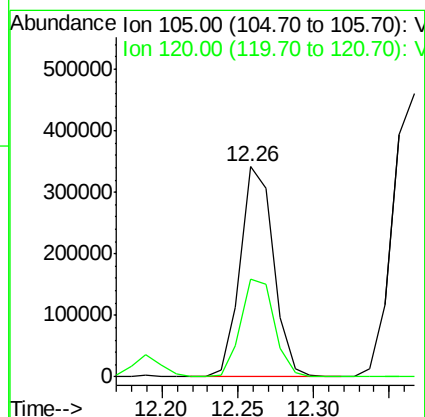
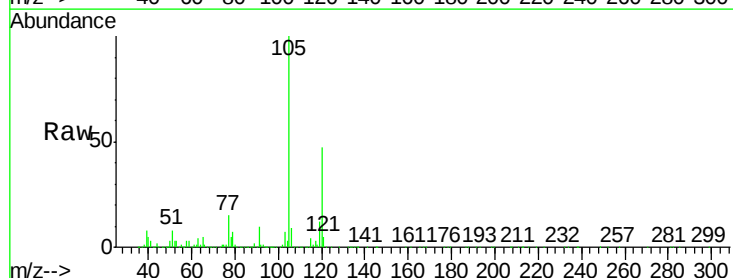
RT: 12.26 min Scan# 1189

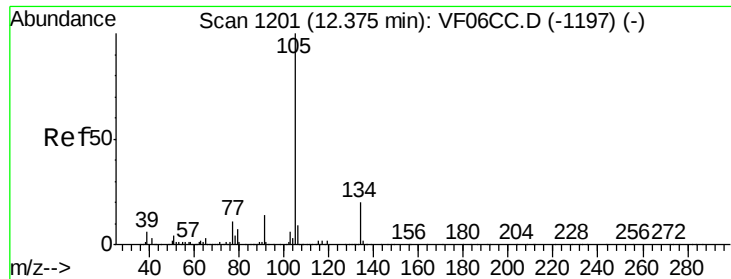
Delta R.T. -0.02 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	105	Resp:	522973
Ion Ratio	Lower	Upper	
105	100		
120	46.6	27.1	81.3





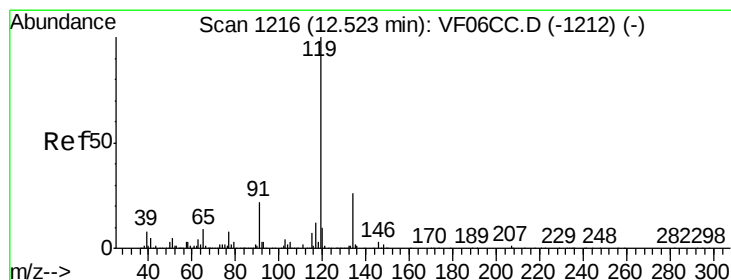
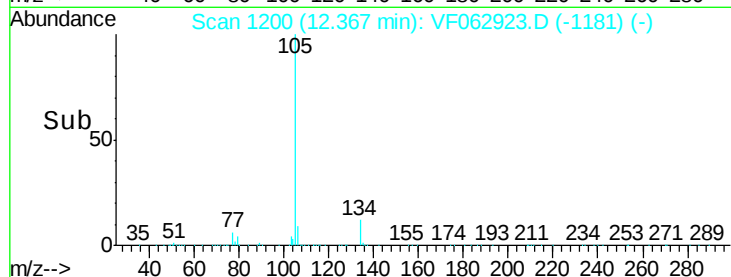
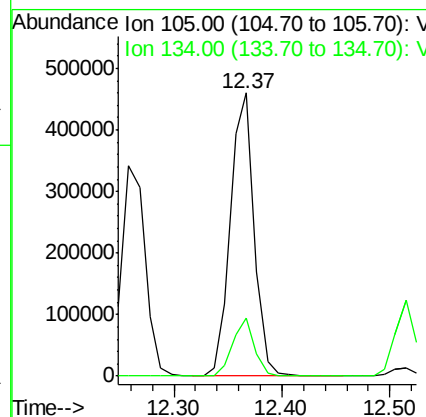
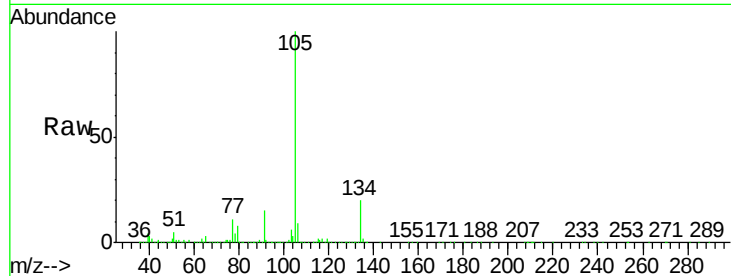
#85
 sec-Butylbenzene
 Concen: 21.901 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.6

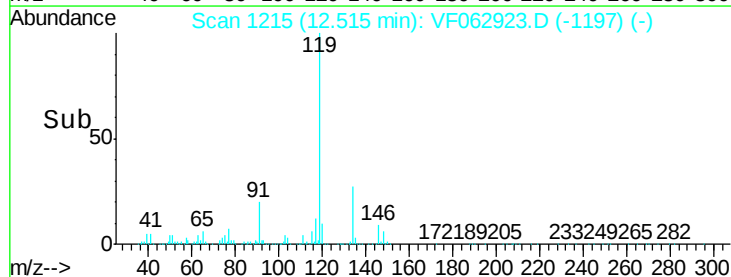
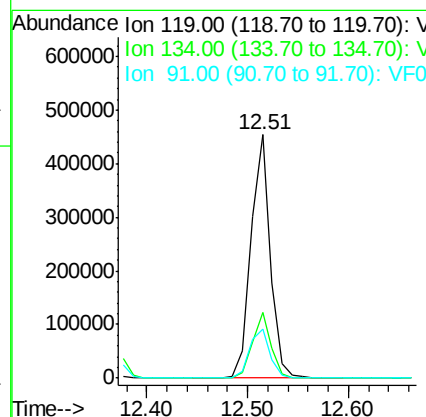
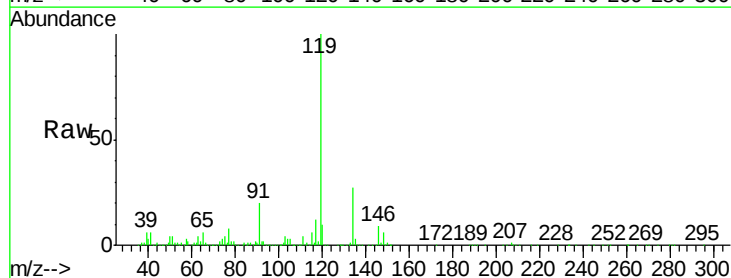
Manual Integrations
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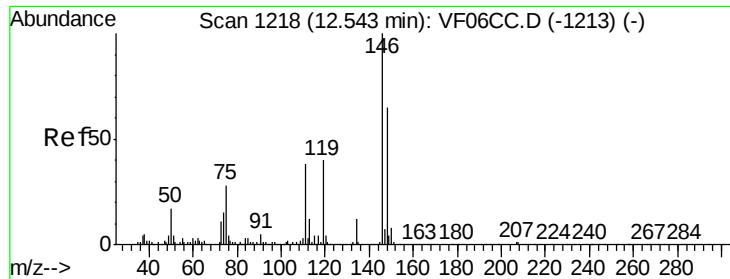
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 6/13/2019 11:33:02 AM



#86
 p-Isopropyltoluene
 Concen: 22.726 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	15.5	46.5
91	20.3	10.3	30.9





#87

1,3-Dichlorobenzene

Concen: 21.269 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Instrument :

MSVOA_F

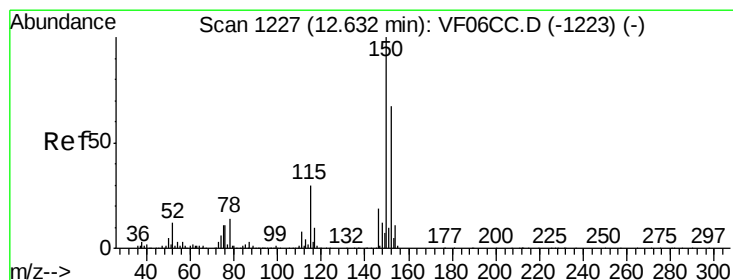
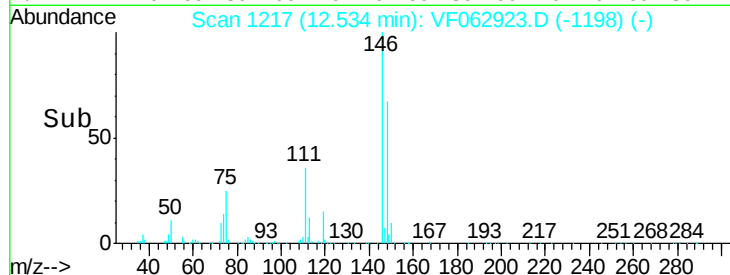
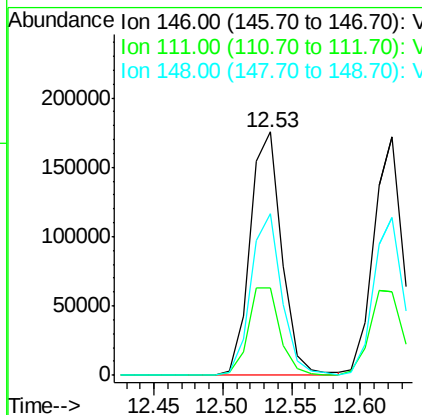
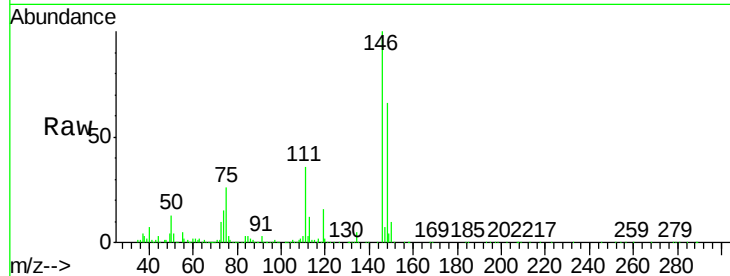
ClientSampleId :

VF0612SBSD01

Tot Ion:	146	Resp:	282129
Ion Ratio	Lower	Upper	
146	100		
111	36.0	19.6	58.8
148	66.5	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.788 ug/l

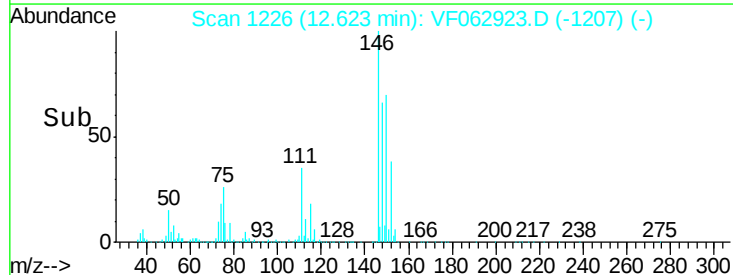
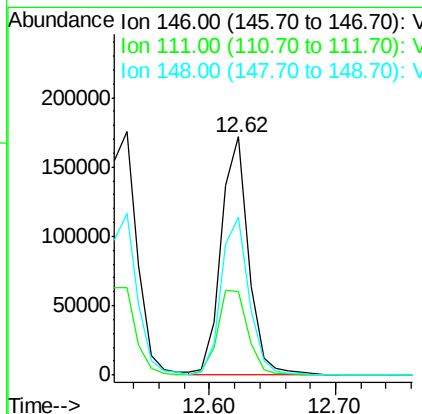
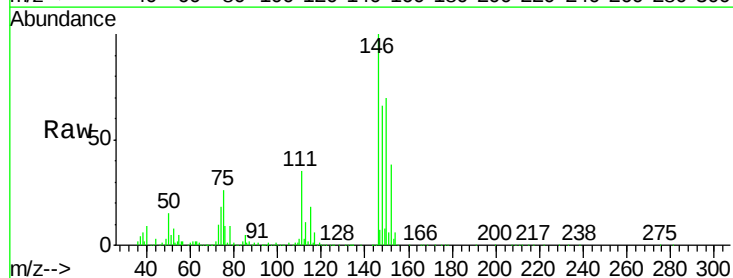
RT: 12.62 min Scan# 1226

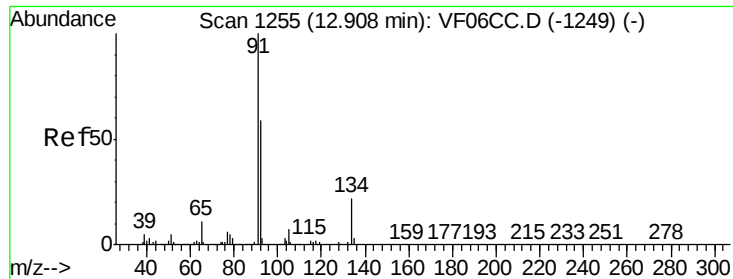
Delta R.T. -0.01 min

Lab File: VF062923.D

Acq: 12 Jun 2019 13:13

Tgt Ion:	146	Resp:	257350
Ion Ratio	Lower	Upper	
146	100		
111	35.0	20.3	60.9
148	66.3	34.0	101.8





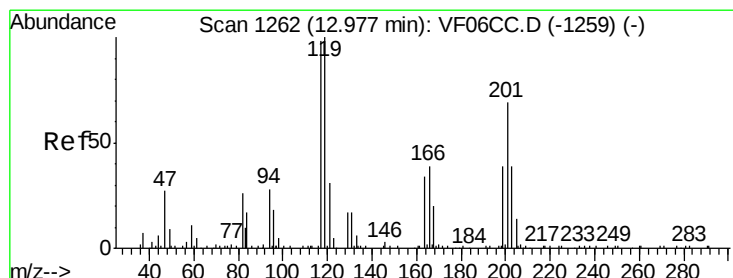
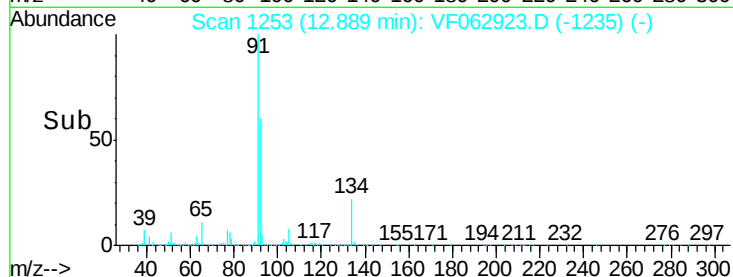
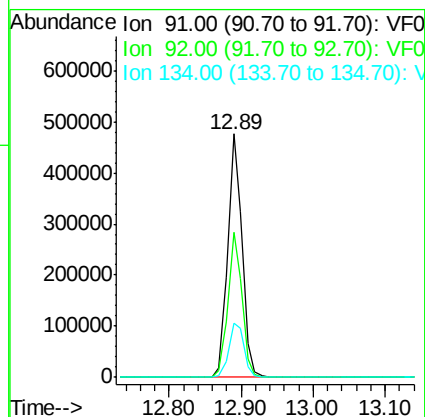
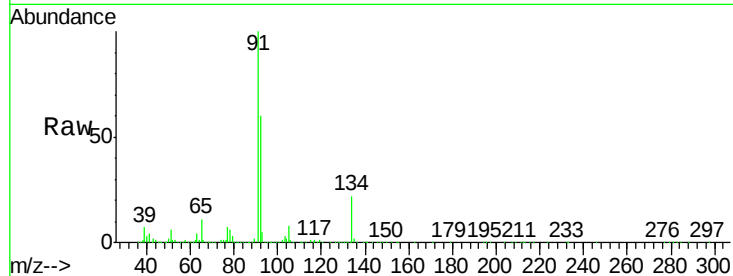
#89
n-Butylbenzene
Concen: 24.343 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.8	34.2	102.6
134	22.3	15.8	47.3

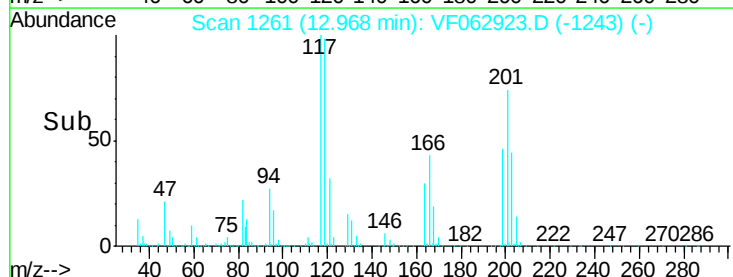
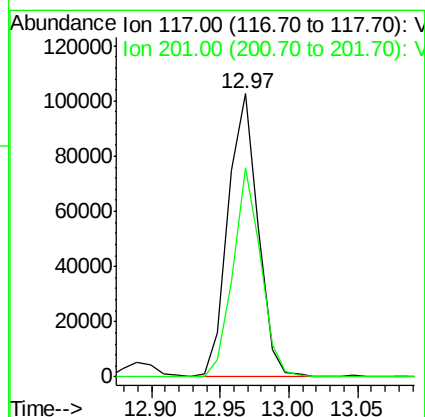
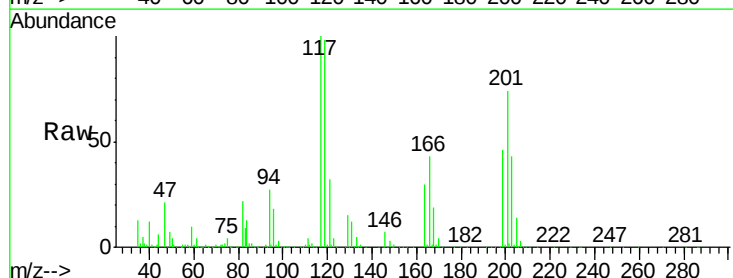
Manual Integrations
APPROVED

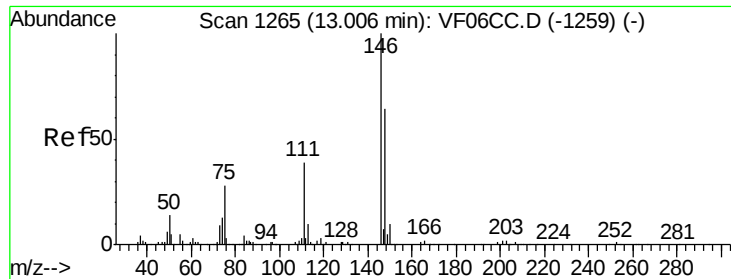
MMDadoda
6/13/2019 11:33:02 AM



#90
Hexachloroethane
Concen: 23.709 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.5	38.9	116.7





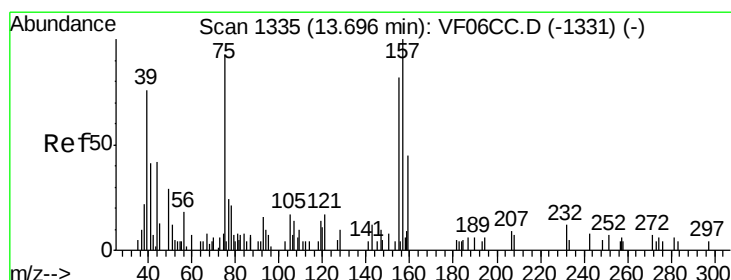
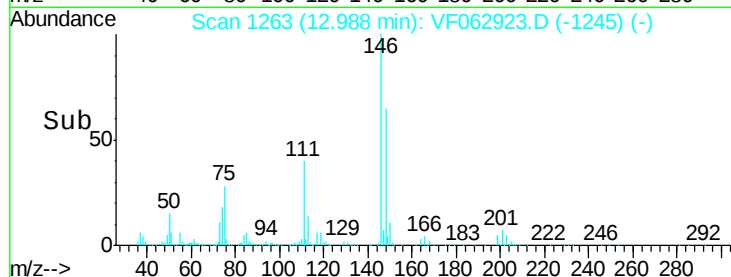
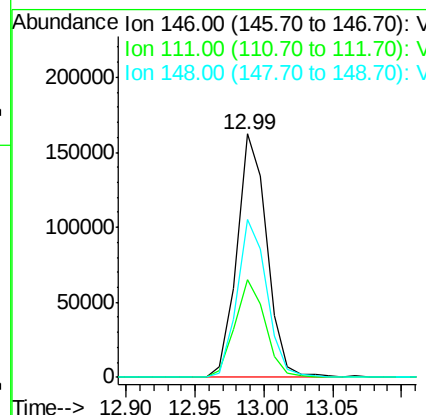
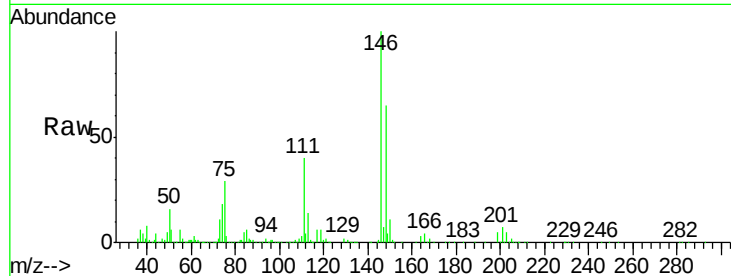
#91
 1,2-Dichlorobenzene
 Concen: 21.079 ug/l
 RT: 12.99 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.6	34.1	102.3

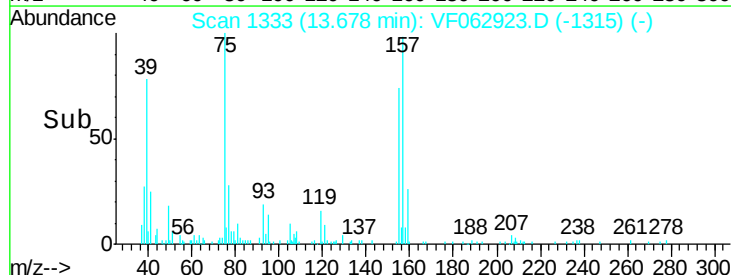
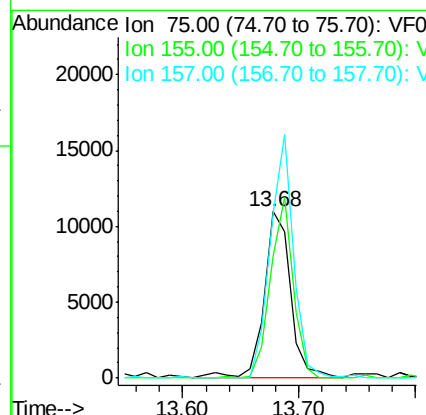
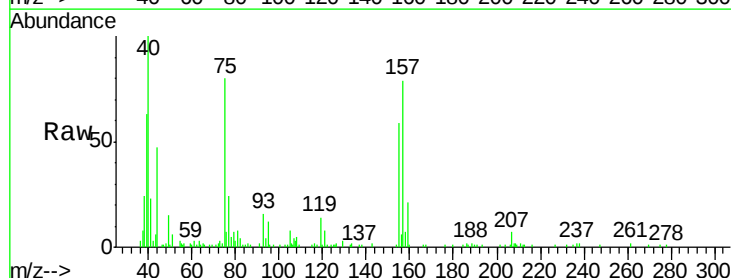
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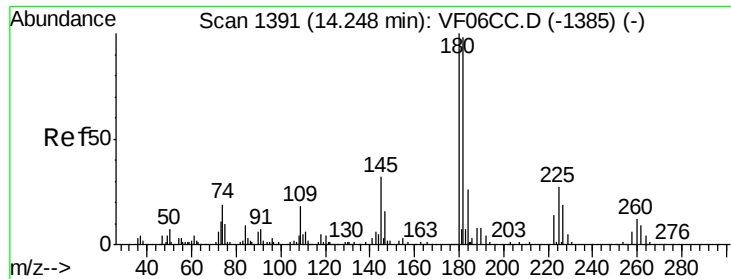
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.867 ug/l
 RT: 13.68 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	51.7	155.1
157	98.3	66.8	200.6





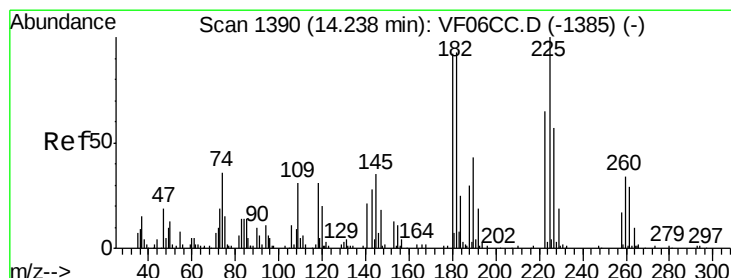
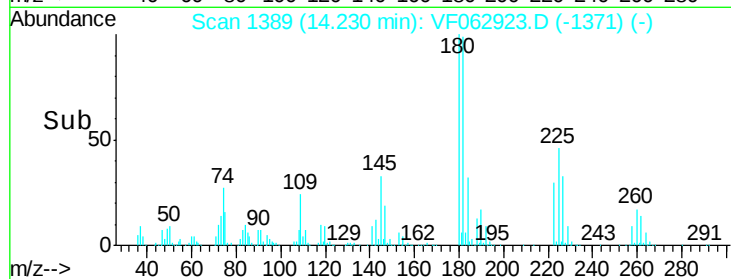
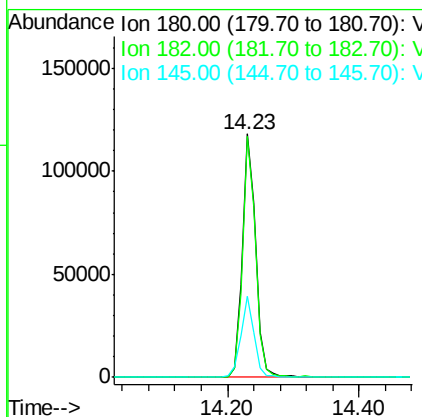
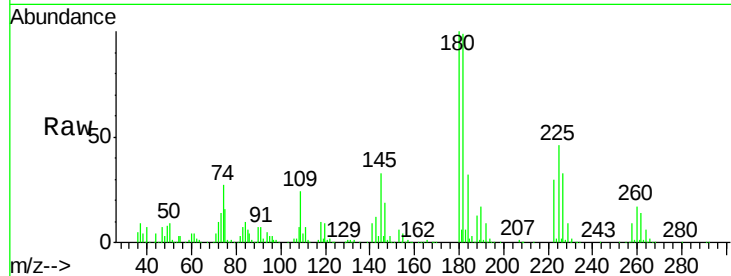
#93
 1,2,4-Trichlorobenzene
 Concen: 21.068 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168654		
182	99.0	50.3	150.9	
145	33.2	15.4	46.2	

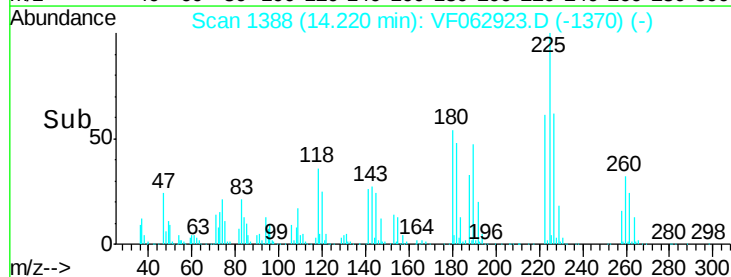
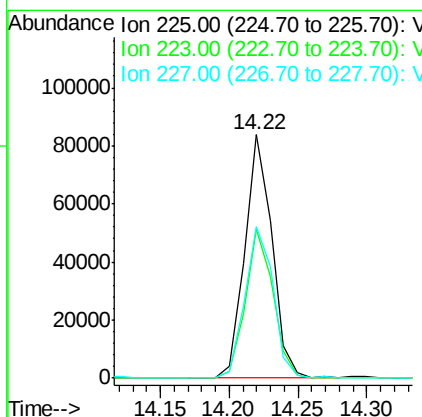
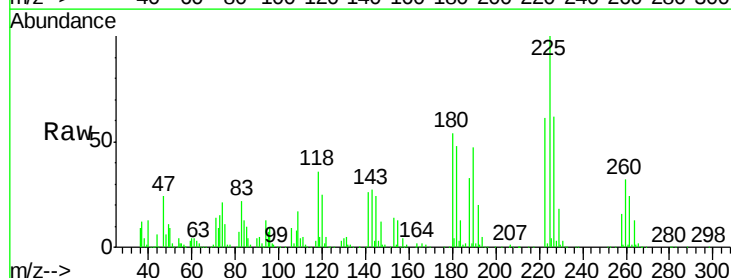
Manual Integrations
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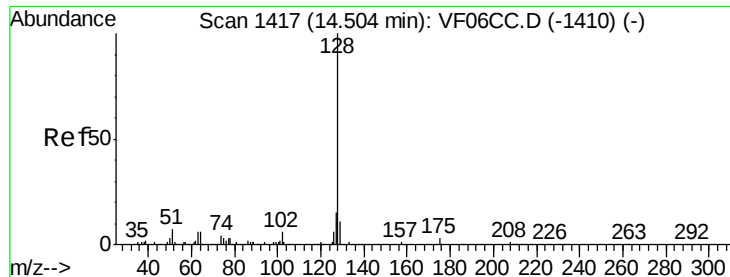
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#94
 Hexachlorobutadiene
 Concen: 20.876 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062923.D
 Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115613		
223	61.3	30.8	92.4	
227	62.4	31.9	95.5	





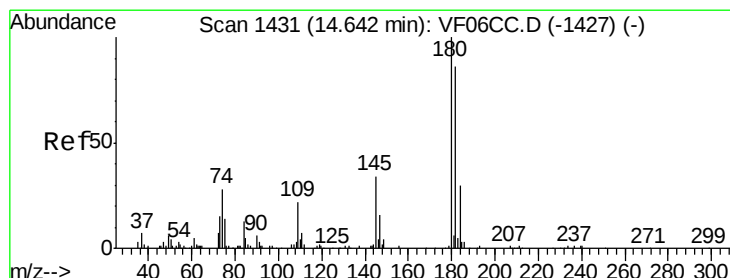
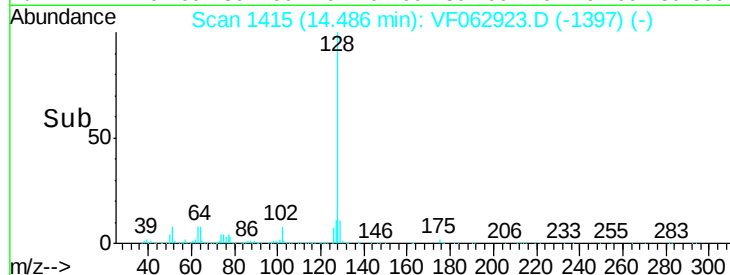
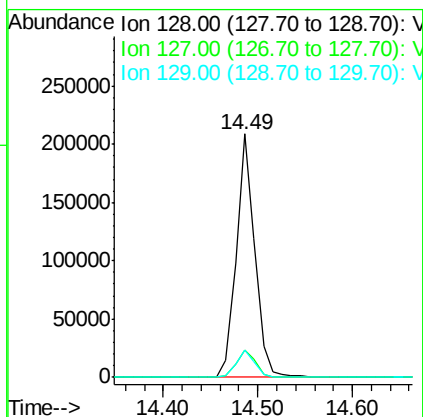
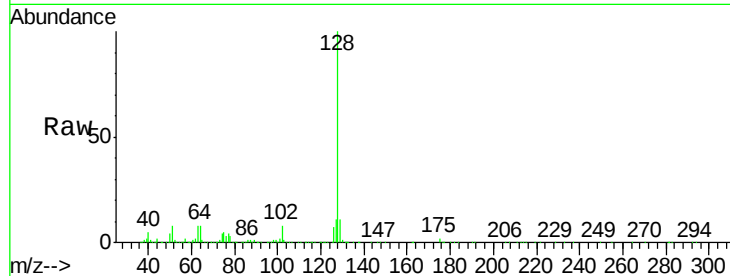
#95
Naphthalene
Concen: 21.705 ug/l
RT: 14.49 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Instrument :
MSVOA_F
ClientSampleId :
VF0612SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	284669		
127	11.2		9.7	14.5
129	11.4		9.4	14.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.338 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062923.D
Acq: 12 Jun 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	155927		
182	96.2		48.6	145.9
145	26.3		15.7	47.0

