

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062191.D
 Acq On : 17 Apr 2019 17:40
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:10 AM

Quant Time: Apr 18 07:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	408734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	580940	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	438056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	250574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	36146	6.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.28%	
35) Dibromofluoromethane	4.30	113	53019	13.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.62%	
50) Toluene-d8	7.70	98	128465	8.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.68%	
62) 4-Bromofluorobenzene	11.48	95	49094	9.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	67036	13.675	ug/l	97
3) Chloromethane	1.14	50	67400	11.409	ug/l	90
4) Vinyl Chloride	1.18	62	58867	10.476	ug/l	98
5) Bromomethane	1.40	94	35213	9.523	ug/l	96
6) Chloroethane	1.44	64	24814	7.823	ug/l	95
7) Trichlorofluoromethane	1.55	101	72501	10.863	ug/l	98
8) Diethyl Ether	1.70	74	14735	5.293	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.91	101	49451	11.429	ug/l	97
10) Methyl Iodide	1.98	142	88963	17.785	ug/l #	91
11) Tert butyl alcohol	2.70	59	13460	12.411	ug/l #	88
12) 1,1-Dichloroethene	1.86	96	46477	10.478	ug/l	98
13) Acrolein	2.10	56	9244	10.226	ug/l #	76
14) Allyl chloride	2.19	41	54256	6.153	ug/l	96
15) Acrylonitrile	3.07	53	38580	13.503	ug/l	96
16) Acetone	2.34	43	47204	17.806	ug/l	96
17) Carbon Disulfide	1.92	76	129321	9.423	ug/l	96
18) Methyl Acetate	2.45	43	26511	3.980	ug/l #	88
19) Methyl tert-butyl Ether	2.54	73	78033	5.402	ug/l	96
20) Methylene Chloride	2.33	84	68780m	13.500	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	46255	9.844	ug/l	97
22) Diisopropyl ether	2.93	45	138519	7.789	ug/l	98
23) Vinyl Acetate	3.34	43	324545	22.017	ug/l	100
24) 1,1-Dichloroethane	3.00	63	75634	8.392	ug/l	98
25) 2-Butanone	4.51	43	89651	20.920	ug/l	97
26) 2,2-Dichloropropane	3.76	77	38525	5.970	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	59025	10.801	ug/l	100
28) Bromochloromethane	3.88	49	35953	8.532	ug/l #	99
29) Tetrahydrofuran	4.26	42	43569	15.445	ug/l	96
30) Chloroform	4.04	83	88765	10.432	ug/l	99
31) Cyclohexane	3.86	56	91331	9.993	ug/l	90
32) 1,1,1-Trichloroethane	4.28	97	69585	10.447	ug/l #	89
36) 1,1-Dichloropropene	4.45	75	69964	11.233	ug/l	99
37) Ethyl Acetate	4.29	43	36225	5.200	ug/l #	98
38) Carbon Tetrachloride	4.17	117	61053	11.732	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	85277	11.339	ug/l	94
40) Benzene	4.81	78	189346	10.601	ug/l	99
41) Methacrylonitrile	4.92	41	18088	4.490	ug/l #	87
42) 1,2-Dichloroethane	5.11	62	48476	7.972	ug/l	99
43) Isopropyl Acetate	7.10	43	32280	2.941	ug/l #	99
44) Trichloroethene	5.67	130	52135	11.635	ug/l	96
45) 1,2-Dichloropropane	6.39	63	40519	8.484	ug/l	94
46) Dibromomethane	6.25	93	26987	9.427	ug/l	98
47) Bromodichloromethane	6.54	83	60811	10.702	ug/l	98
48) Methyl methacrylate	6.87	41	21162	3.843	ug/l	97
49) 1,4-Dioxane	6.86	88	5100	49.967	ug/l #	85
51) 4-Methyl-2-Pentanone	8.39	43	130386	18.490	ug/l	99
52) Toluene	7.76	92	96503	9.146	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	45107	7.378	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	62297	8.844	ug/l	95
55) 1,1,2-Trichloroethane	8.62	97	27249	6.853	ug/l	98
56) Ethyl methacrylate	8.74	69	29709	4.375	ug/l #	85
57) 1,3-Dichloropropane	8.98	76	42517	6.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	41836	11.800	ug/l	99
59) 2-Hexanone	9.61	43	82795	15.390	ug/l	93
60) Dibromochloromethane	8.85	129	38771	9.646	ug/l	98
61) 1,2-Dibromoethane	9.13	107	29132	7.042	ug/l	95
64) Tetrachloroethene	8.30	164	40758	11.788	ug/l	92
65) Chlorobenzene	9.91	112	95175	10.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	46709	13.513	ug/l	98
67) Ethyl Benzene	10.01	91	170177	10.026	ug/l	94
68) m/p-Xylenes	10.25	106	131398	21.276	ug/l	95
69) o-Xylene	10.81	106	72283	11.673	ug/l	95
70) Styrene	10.88	104	103003	10.039	ug/l	99
71) Bromoform	10.87	173	24100	9.480	ug/l #	99
73) Isopropylbenzene	11.21	105	222251	11.363	ug/l	96
74) N-amyl acetate	11.44	43	59614	5.980	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	36539	5.651	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	25520	4.568	ug/l #	64
77) Bromobenzene	11.57	156	44316	9.217	ug/l	97
78) n-propylbenzene	11.66	91	234493	10.706	ug/l	98
79) 2-Chlorotoluene	11.79	91	141524	10.626	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	184080	11.261	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.92	75	11634m	5.320	ug/l	
82) 4-Chlorotoluene	11.96	91	134926	9.010	ug/l	98
83) tert-Butylbenzene	12.19	119	195733	12.262	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	181164	11.019	ug/l	95
85) sec-Butylbenzene	12.36	105	254504	13.161	ug/l	97
86) p-Isopropyltoluene	12.51	119	215653	12.361	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	88362	10.476	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	83842	9.827	ug/l	98
89) n-Butylbenzene	12.89	91	217397	13.572	ug/l	96
90) Hexachloroethane	12.96	117	52386	16.376	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	85131	10.230	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	6910	4.749	ug/l	98

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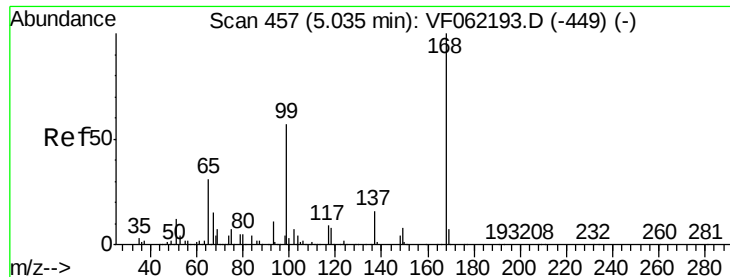
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	74426	12.106	ug/l	98
94) Hexachlorobutadiene	14.22	225	48921	14.803	ug/l	99
95) Naphthalene	14.49	128	119592	6.609	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	67136	10.998	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 408734

Ion Ratio Lower Upper

168 100

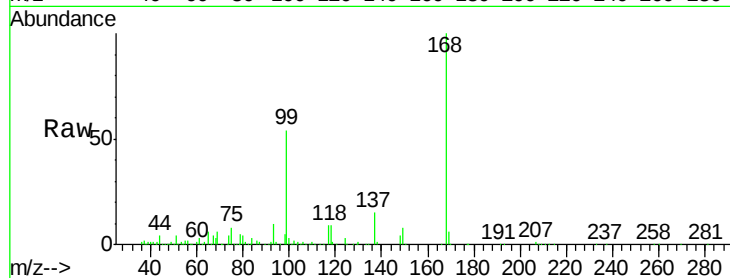
99 53.7 45.5 68.3

Manual Integrations

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4/19/2019 10:53:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.03

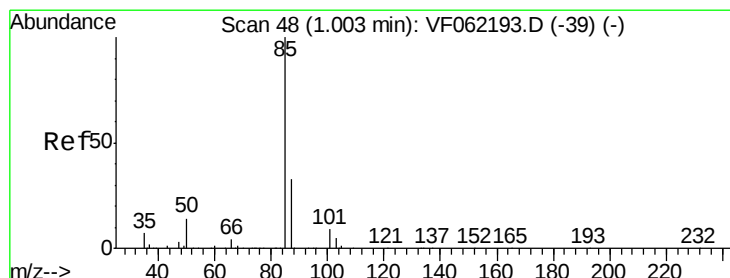
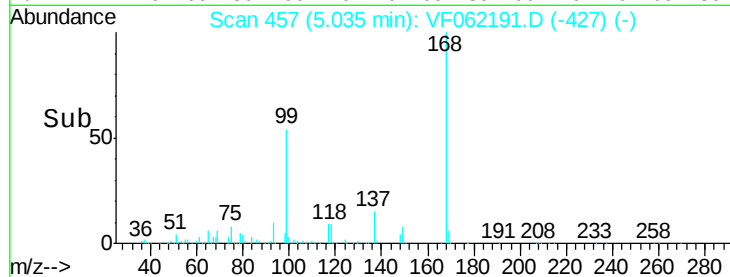
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.675 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062191.D

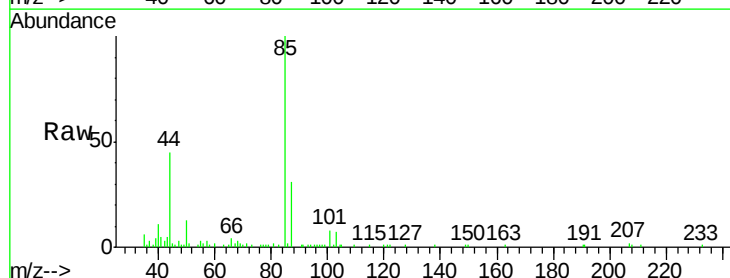
Acq: 17 Apr 2019 17:40

Tgt Ion: 85 Resp: 67036

Ion Ratio Lower Upper

85 100

87 30.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

20000

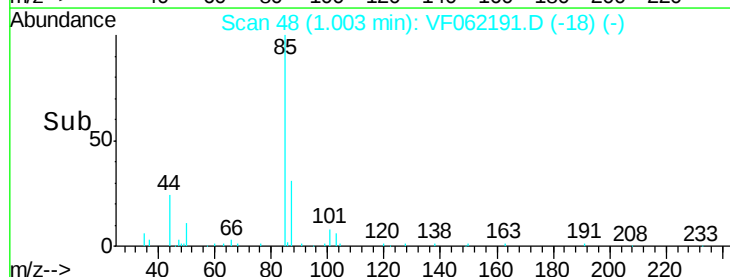
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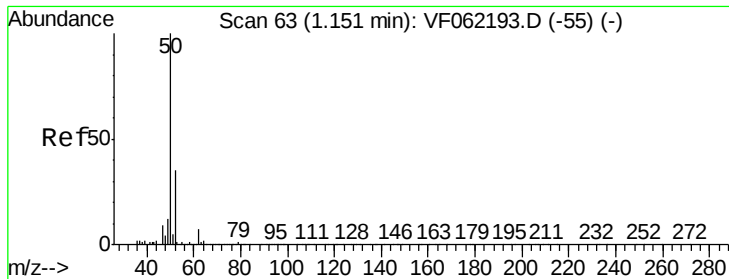
10000

5000

0

Time-->





#3

Chloromethane

Concen: 11.409 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 67400

Ion Ratio Lower Upper

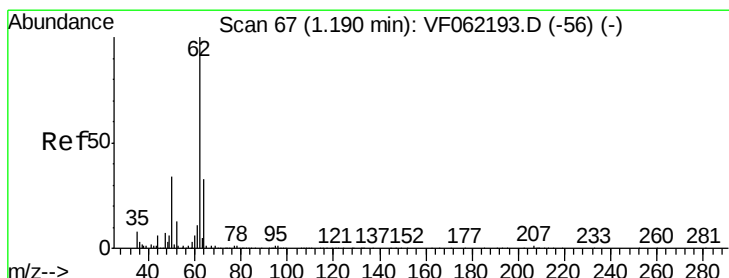
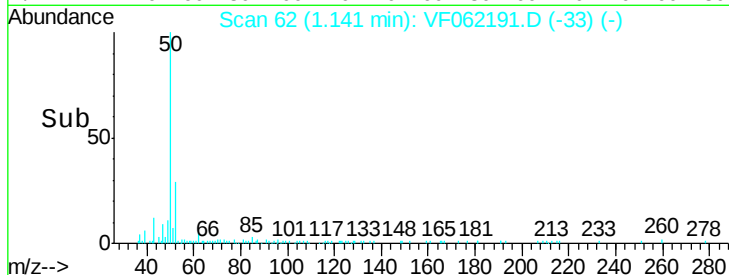
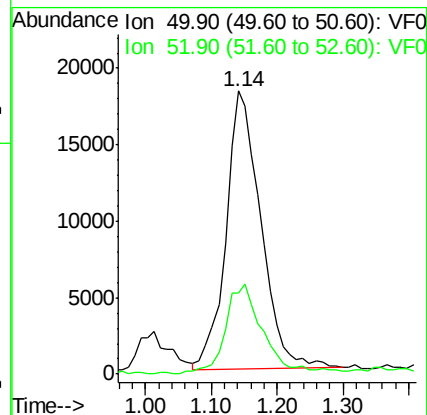
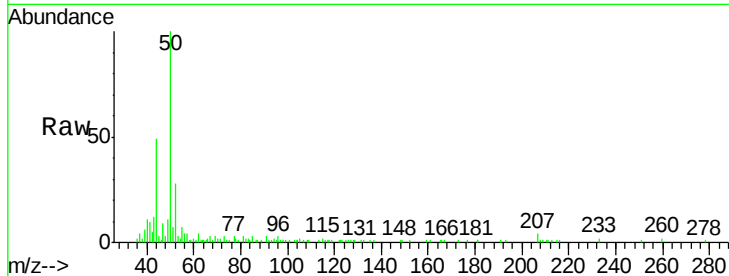
50 100

52 28.0 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.476 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062191.D

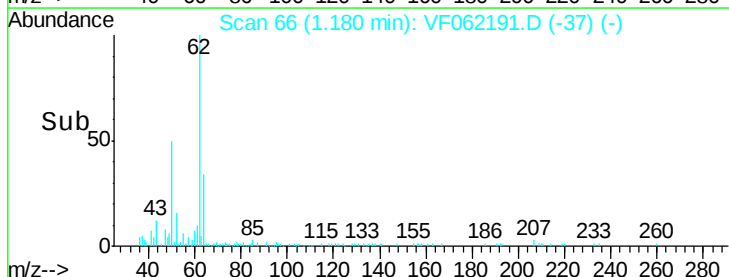
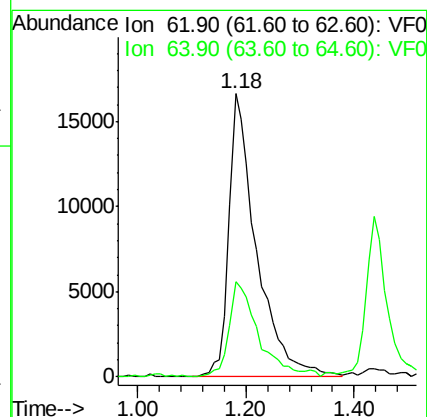
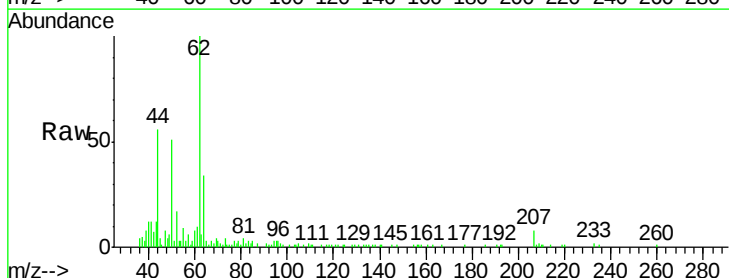
Acq: 17 Apr 2019 17:40

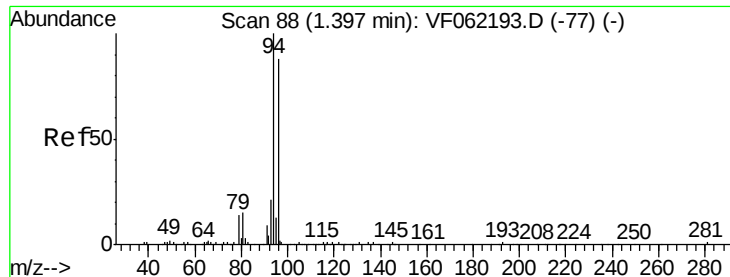
Tgt Ion: 62 Resp: 58867

Ion Ratio Lower Upper

62 100

64 33.7 26.2 39.4





#5

Bromomethane

Concen: 9.523 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 35213

Ion Ratio Lower Upper

94 100

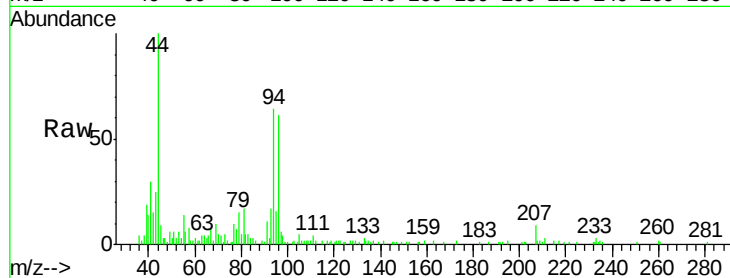
96 91.7 70.2 105.4

Manual Integrations

APPROVED

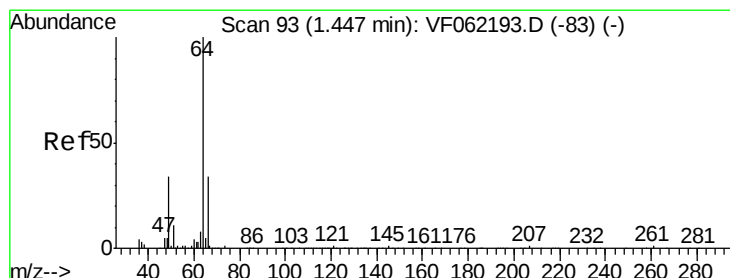
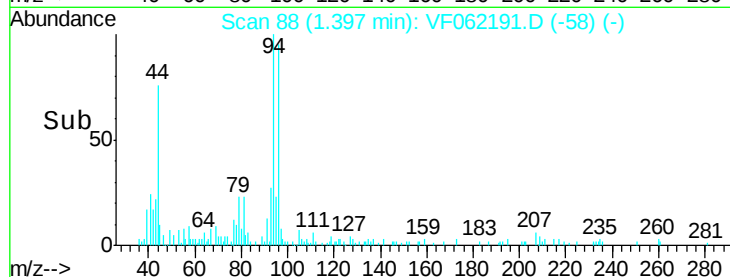
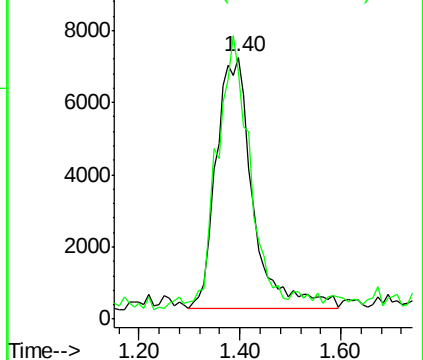
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Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 7.823 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062191.D

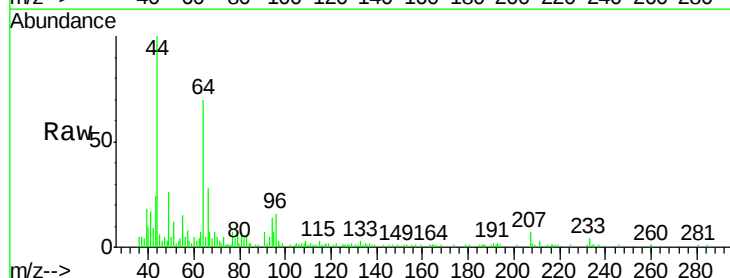
Acq: 17 Apr 2019 17:40

Tgt Ion: 64 Resp: 24814

Ion Ratio Lower Upper

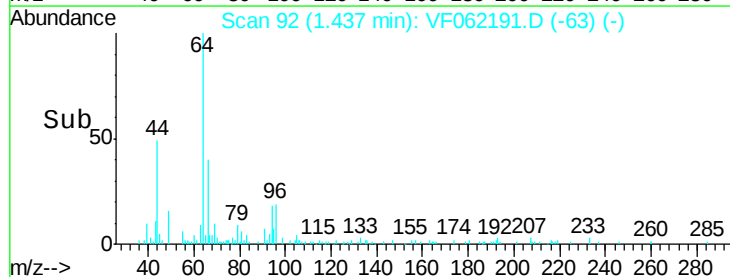
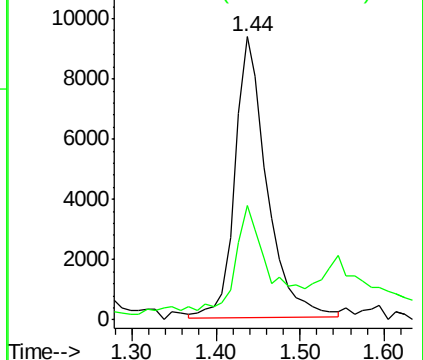
64 100

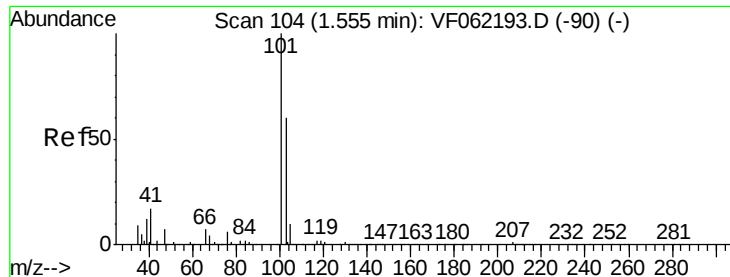
66 36.6 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0





#7

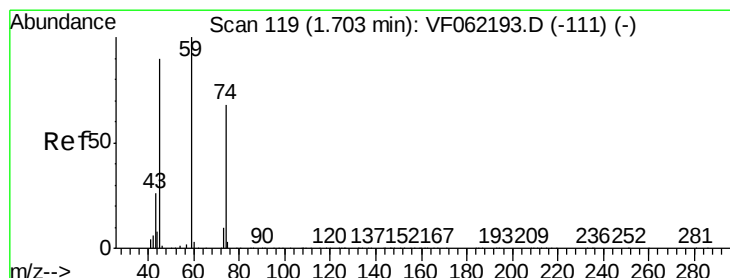
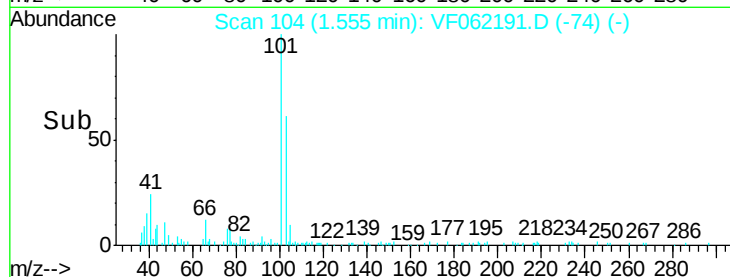
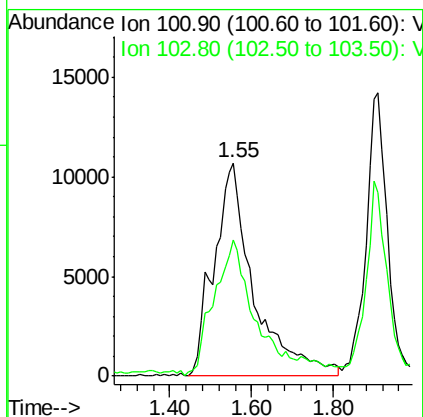
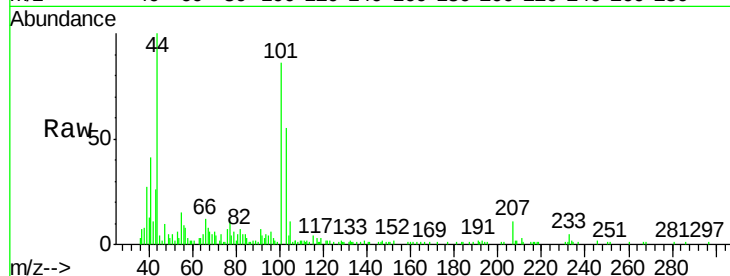
Trichlorofluoromethane
Concen: 10.863 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062191.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	48.2	72.4

Manual Integrations
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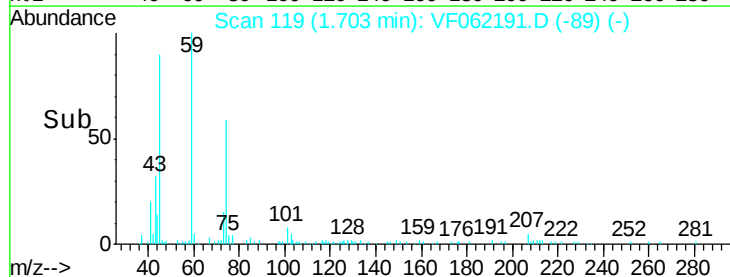
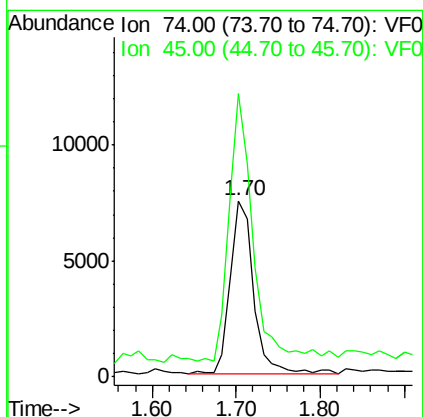
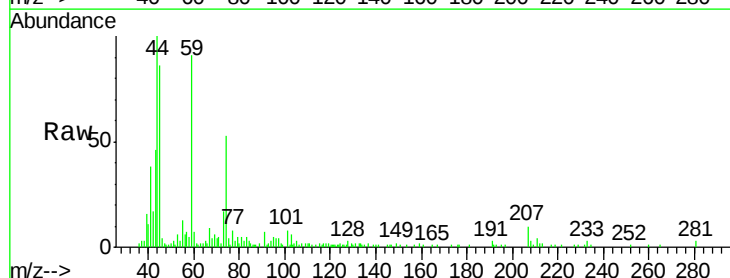
MMDadoda
4/19/2019 10:53:10 AM

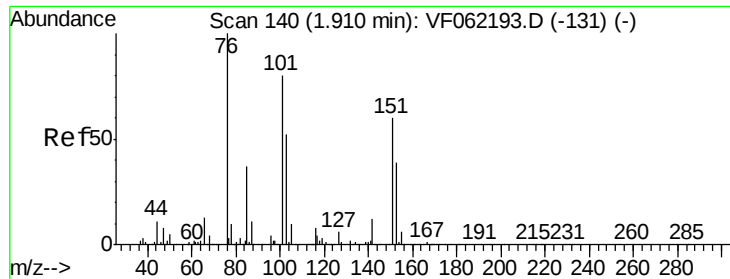


#8

Diethyl Ether
Concen: 5.293 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.4	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.429 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

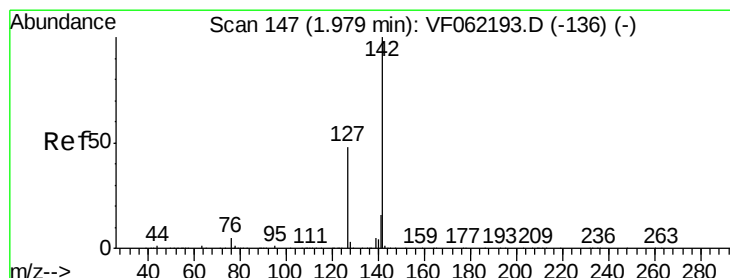
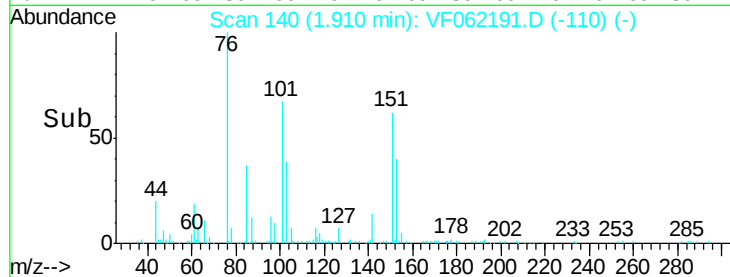
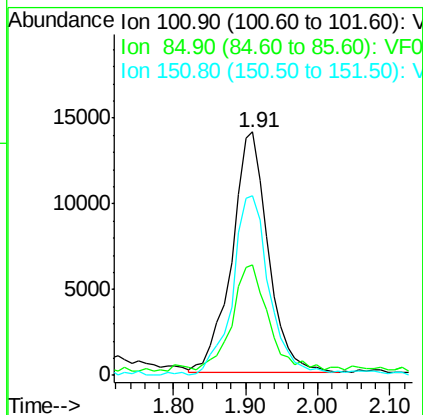
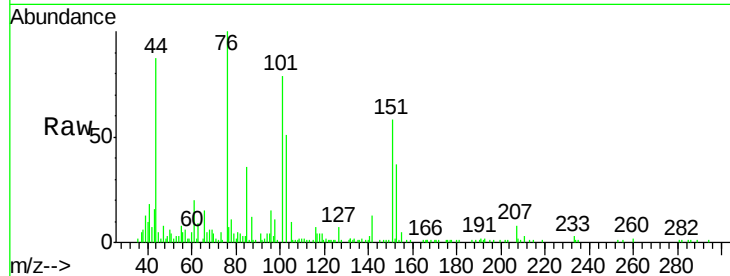
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	49451
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.3	52.9
151	75.8	57.5	86.3

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#10

Methyl Iodide

Concen: 17.785 ug/l

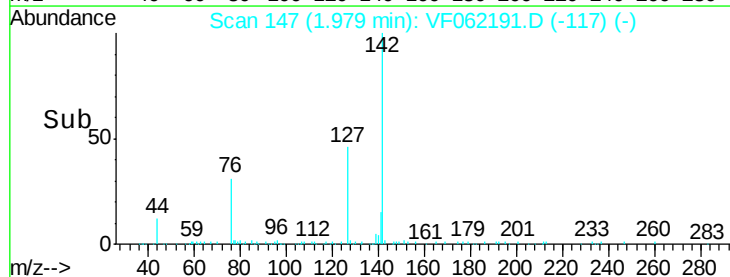
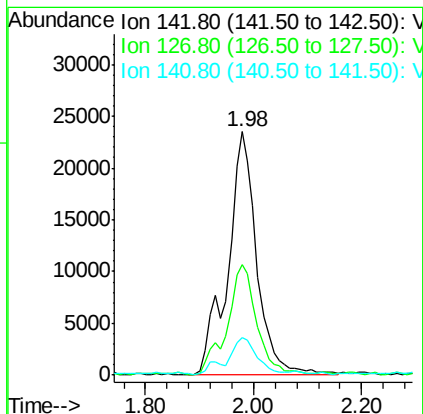
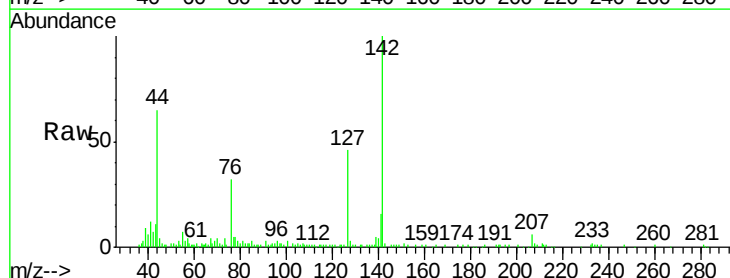
RT: 1.98 min Scan# 147

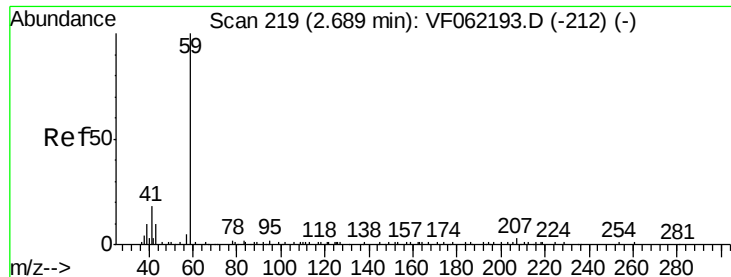
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	142	Resp:	88963
Ion Ratio	Lower	Upper	
142	100		
127	46.6	33.0	49.4
141	12.1	12.7	19.1#





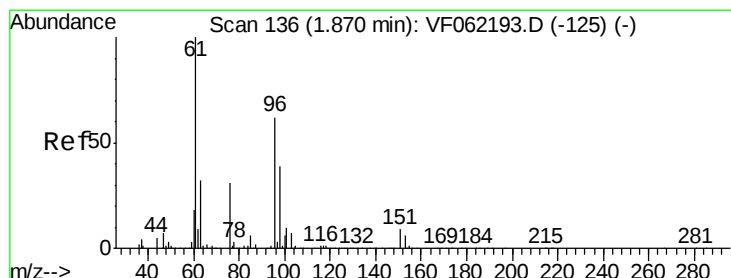
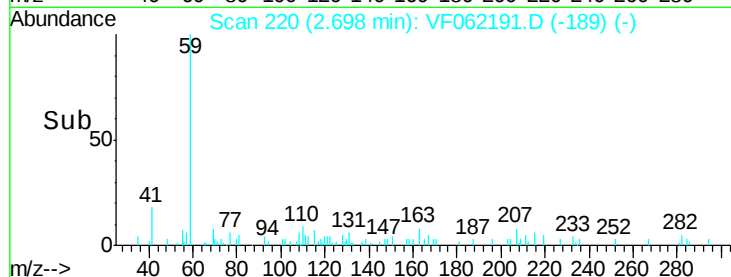
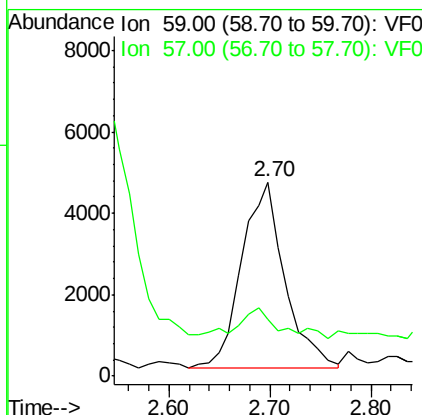
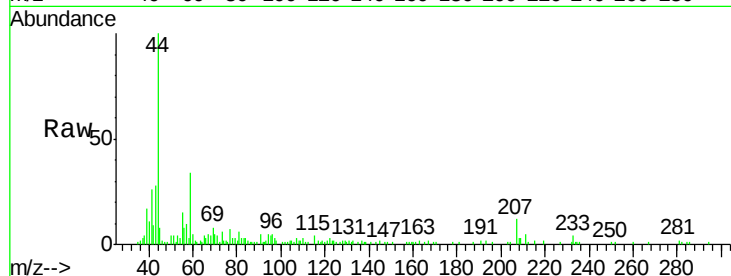
#11
Tert butyl alcohol
Concen: 12.411 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.4	9.3	13.9#

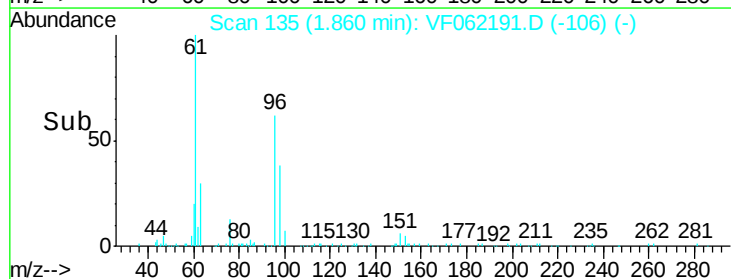
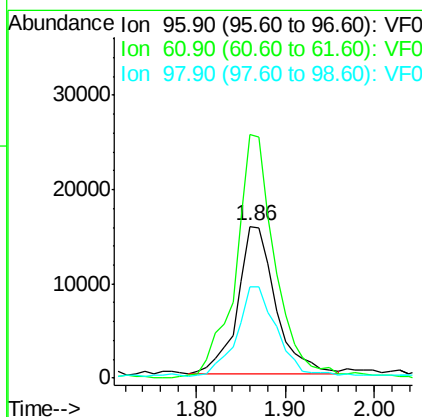
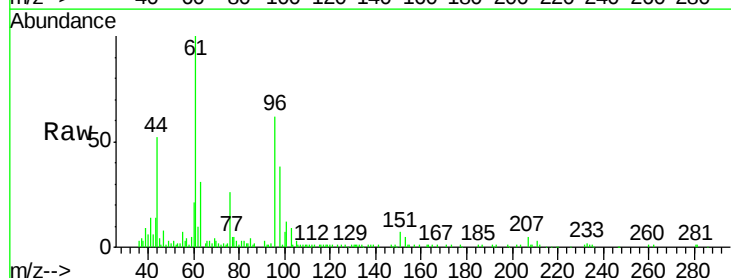
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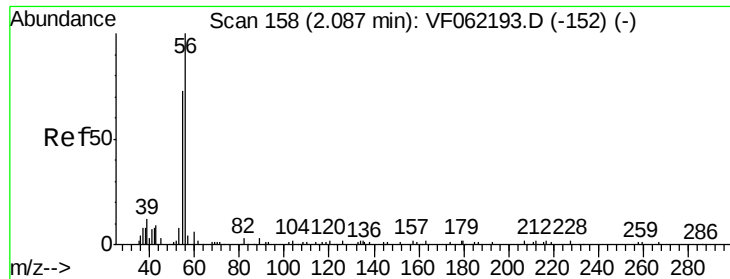
MMDadoda
4/19/2019 10:53:10 AM



#12
1,1-Dichloroethene
Concen: 10.478 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	129.1	193.7
98	60.4	50.0	75.0





#13

Acrolein

Concen: 10.226 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 9244

Ion Ratio Lower Upper

56 100

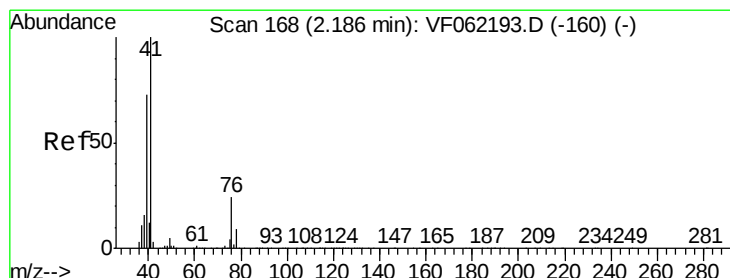
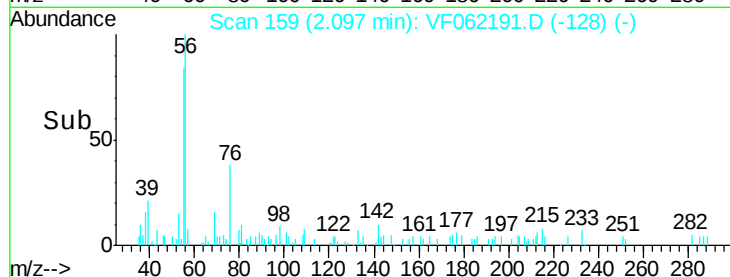
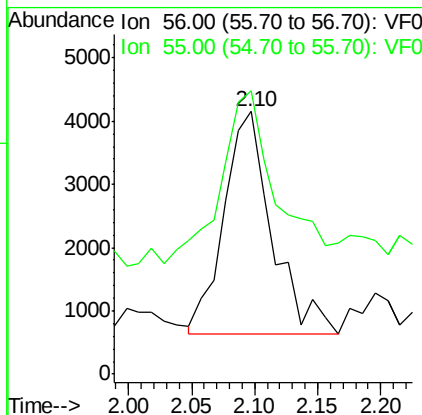
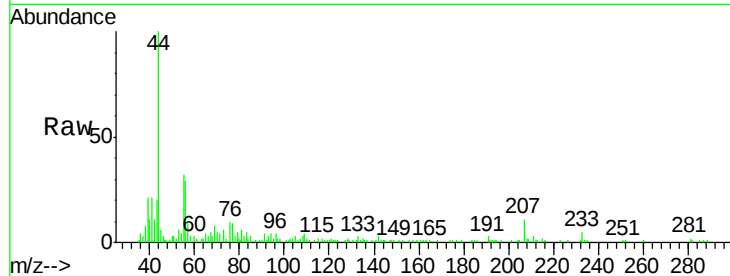
55 91.7 57.4 86.0#

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#14

Allyl chloride

Concen: 6.153 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

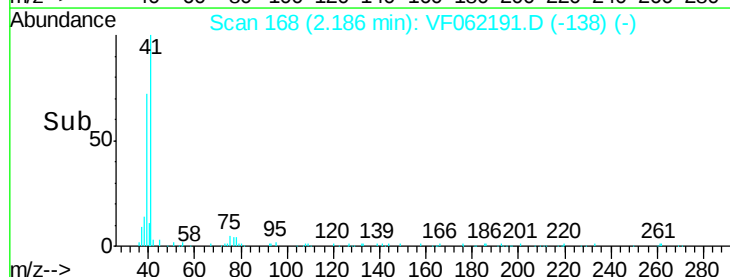
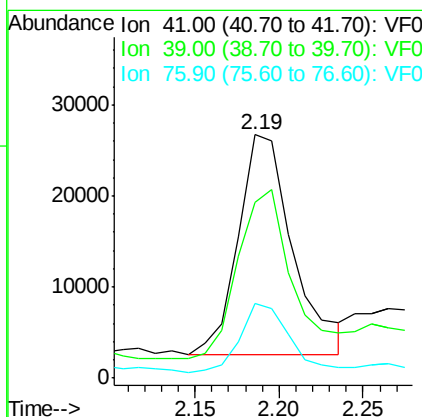
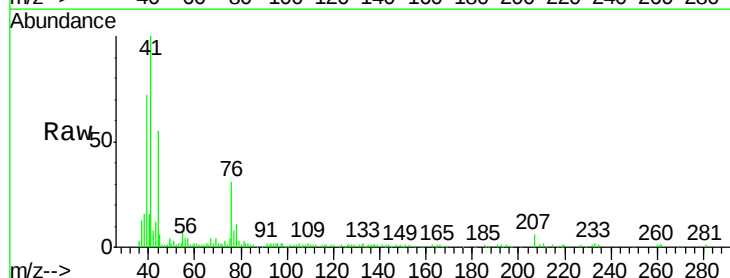
Tgt Ion: 41 Resp: 54256

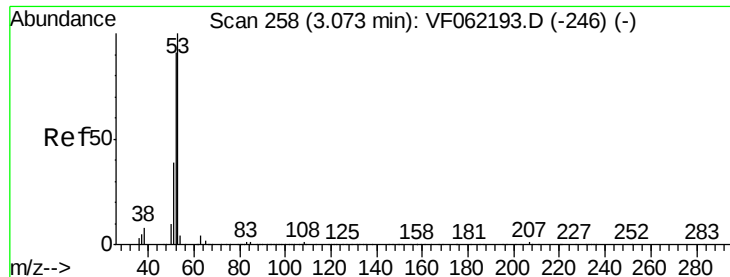
Ion Ratio Lower Upper

41 100

39 77.3 60.0 90.0

76 29.3 20.6 30.8





#15

Acrylonitrile

Concen: 13.503 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

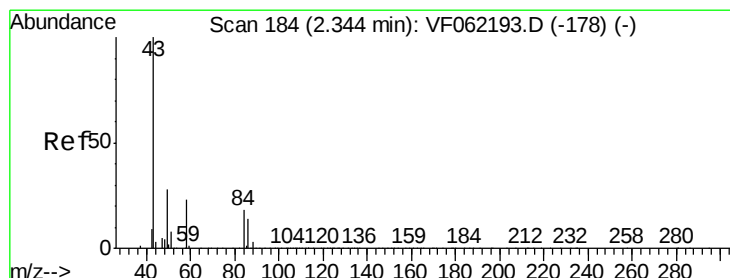
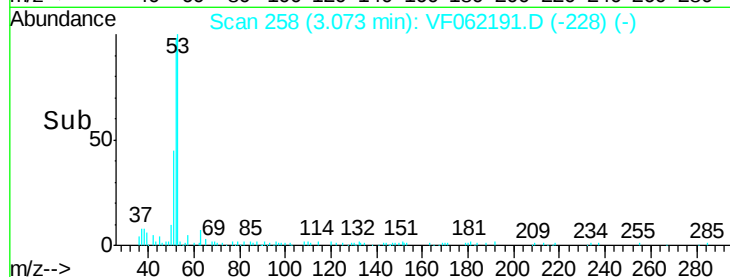
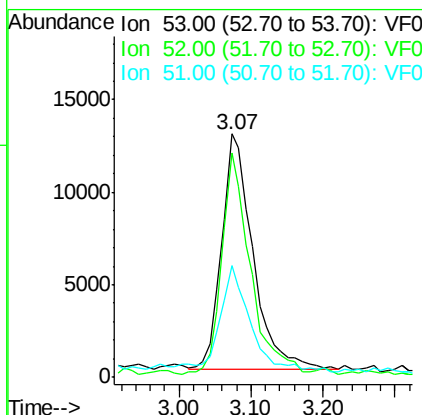
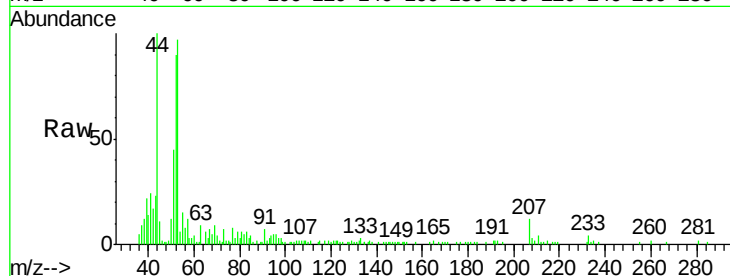
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	38580
Ion	Ratio	Lower	Upper
53	100		
52	84.9	69.5	104.3
51	45.0	31.8	47.8

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#16

Acetone

Concen: 17.806 ug/l

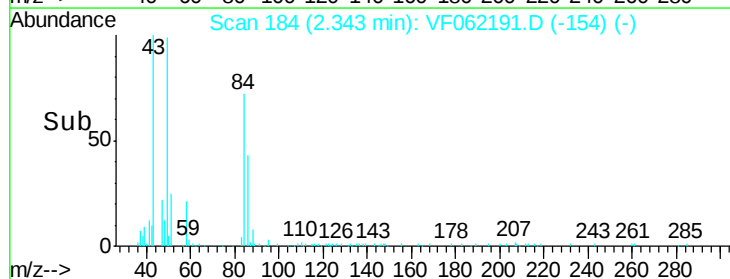
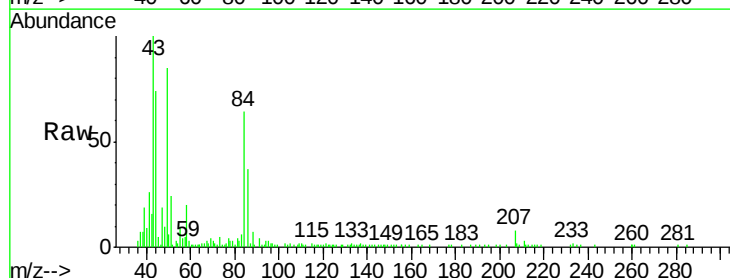
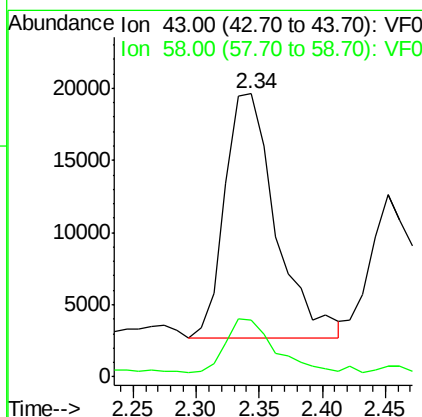
RT: 2.34 min Scan# 184

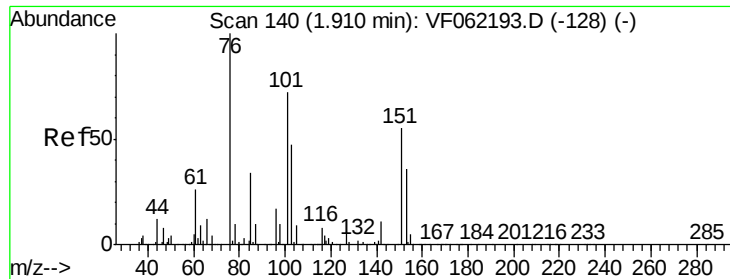
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	43	Resp:	47204
Ion	Ratio	Lower	Upper
43	100		
58	21.5	18.8	28.2





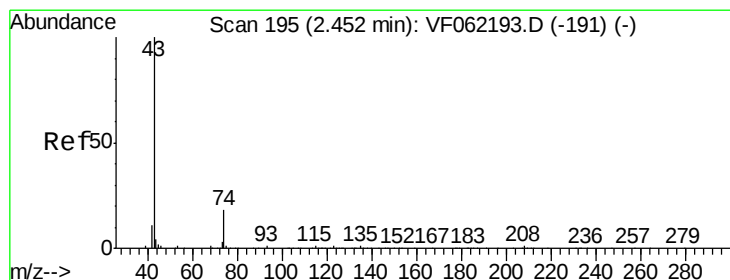
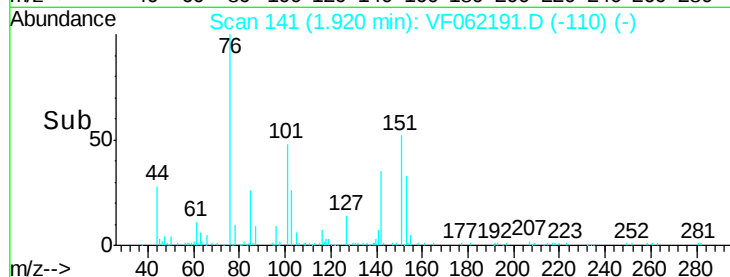
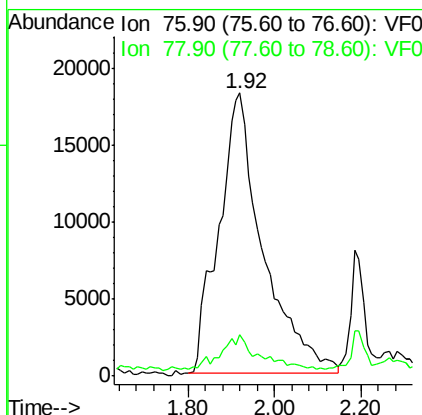
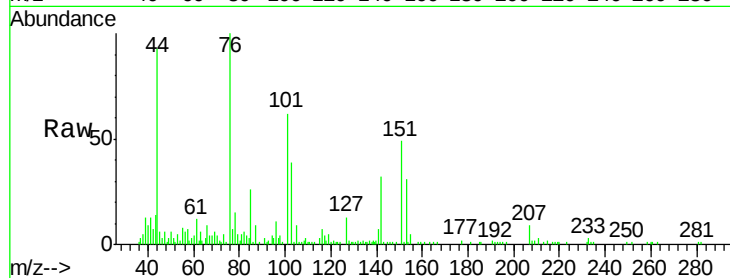
#17
Carbon Disulfide
Concen: 9.423 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.3	8.7	13.1

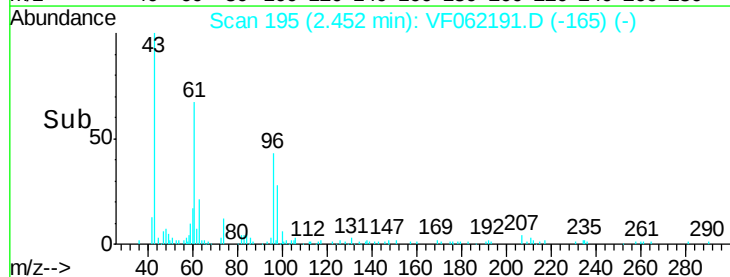
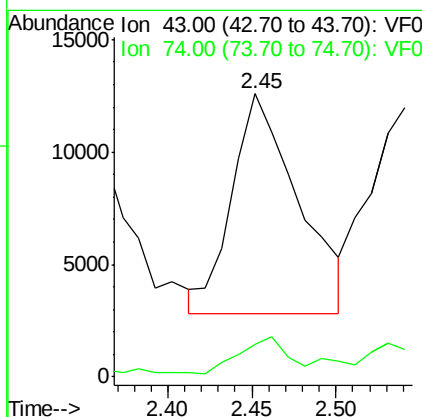
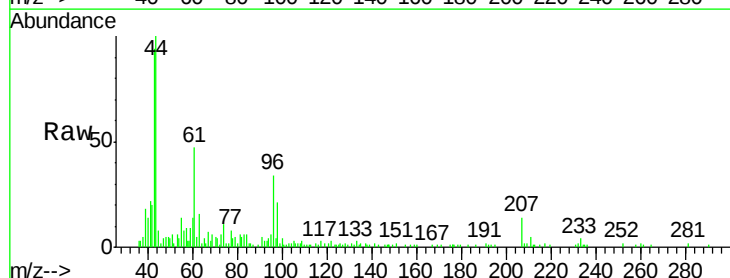
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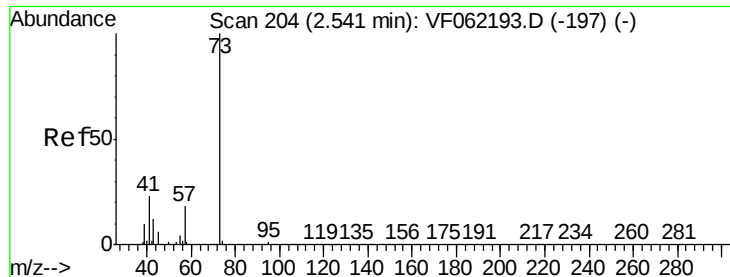
MMDadoda
4/19/2019 10:53:10 AM



#18
Methyl Acetate
Concen: 3.980 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.8	14.5	21.7#





#19

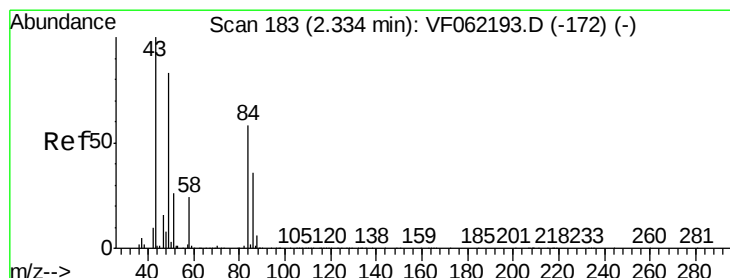
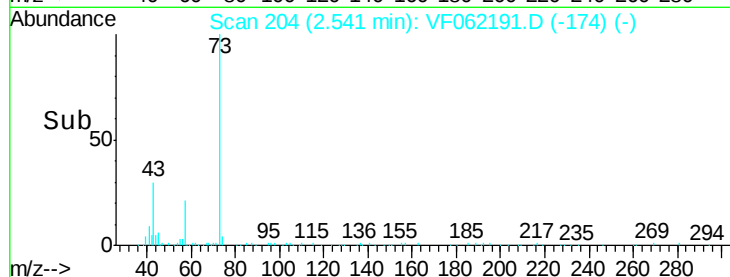
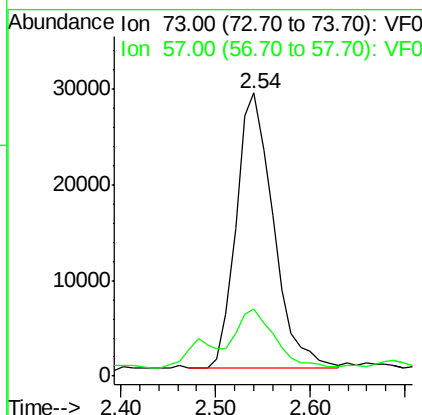
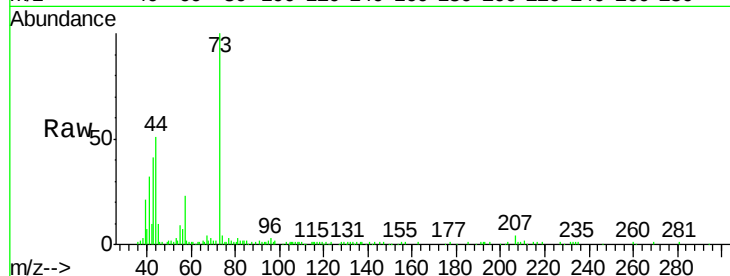
Methyl tert-butyl Ether
 Concen: 5.402 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	15.1	22.7

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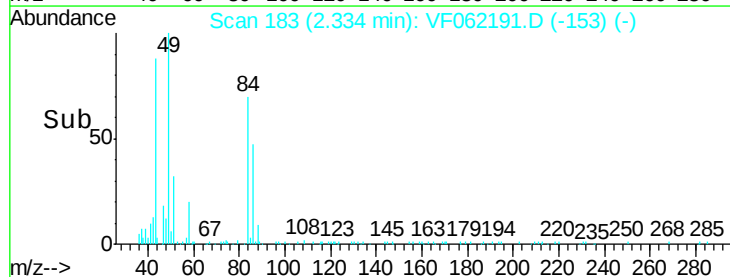
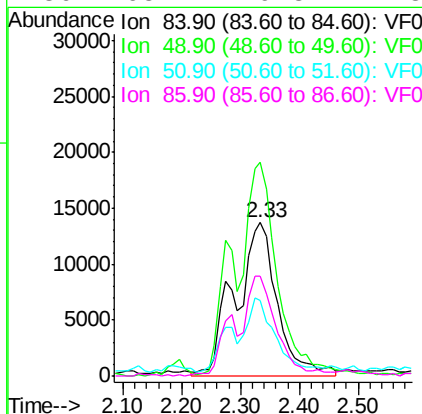
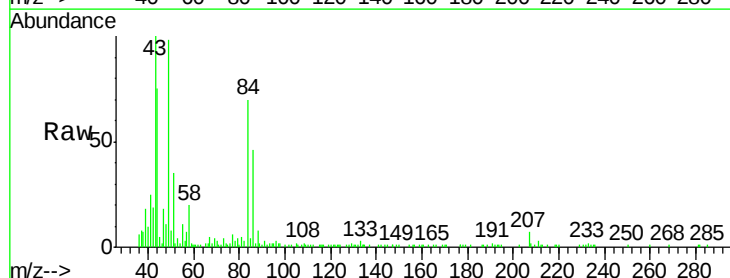
MMDadoda
 4/19/2019 10:53:10 AM

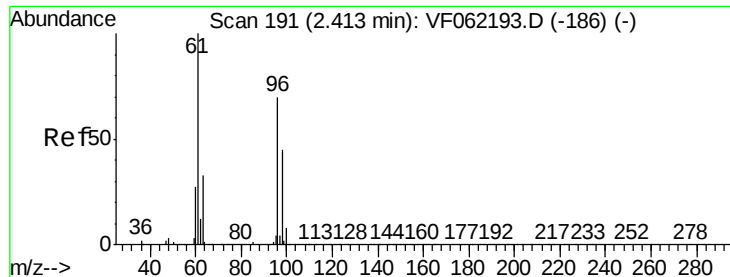


#20

Methylene Chloride
 Concen: 13.500 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	114.0	171.0
51	49.6	37.0	55.4
86	65.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 9.844 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

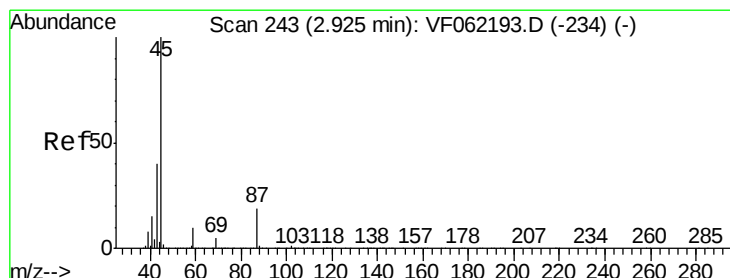
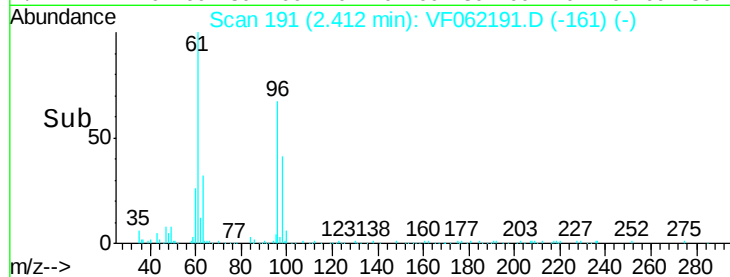
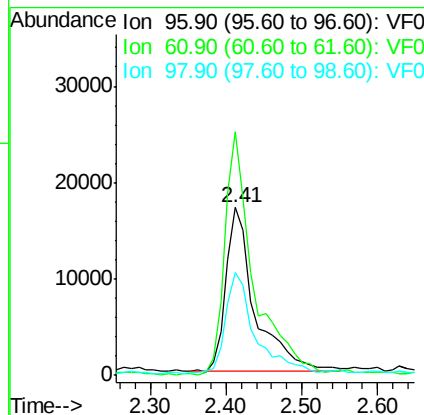
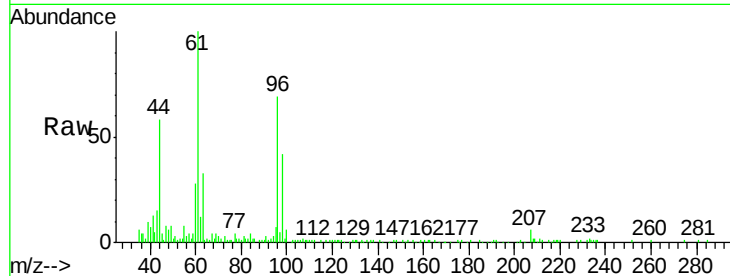
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	46255
Ion	Ratio	Lower	Upper
96	100		
61	147.5	114.6	172.0
98	61.2	51.2	76.8

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#22

Diisopropyl ether

Concen: 7.789 ug/l

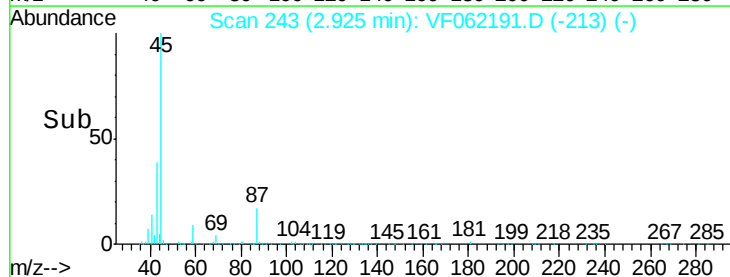
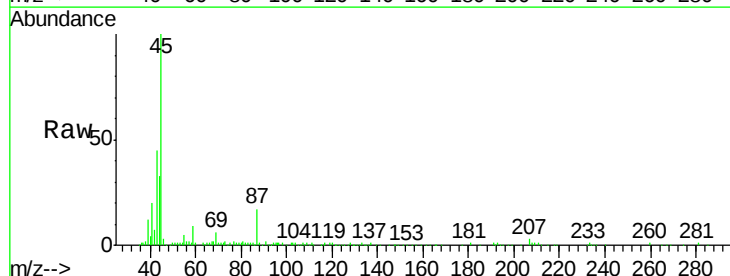
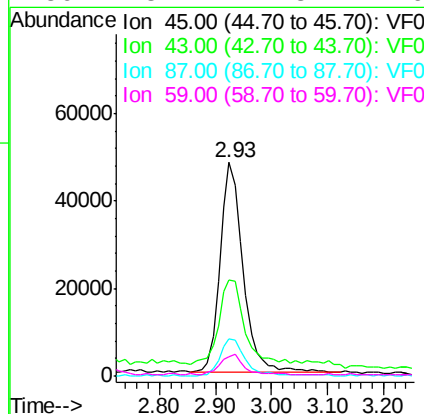
RT: 2.93 min Scan# 243

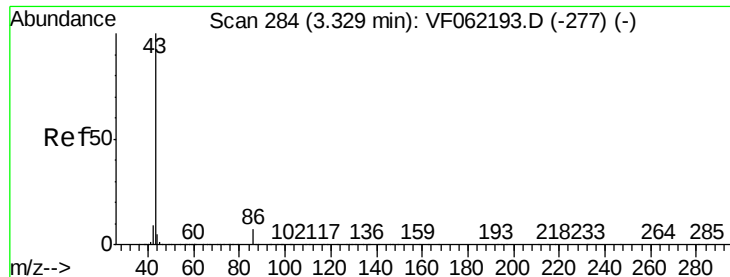
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	45	Resp:	138519
Ion	Ratio	Lower	Upper
45	100		
43	40.3	32.8	49.2
87	17.1	15.2	22.8
59	8.4	7.8	11.6





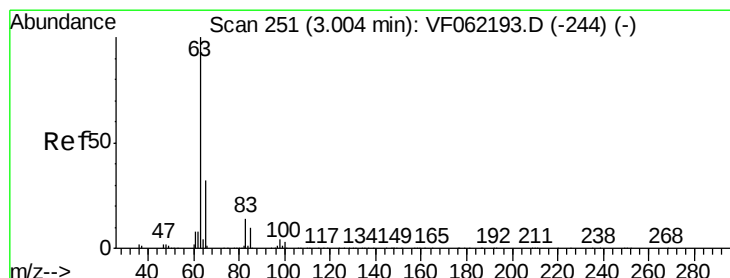
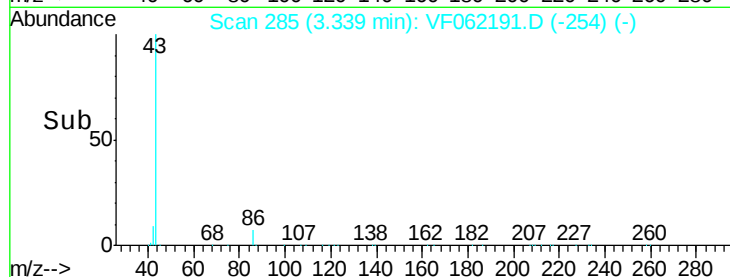
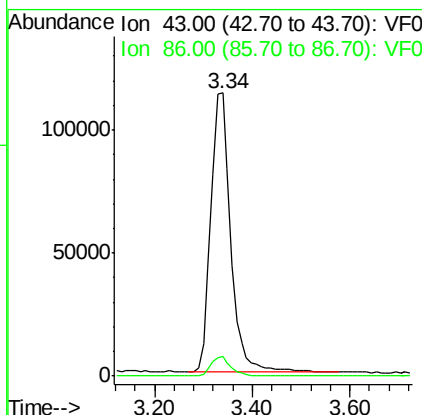
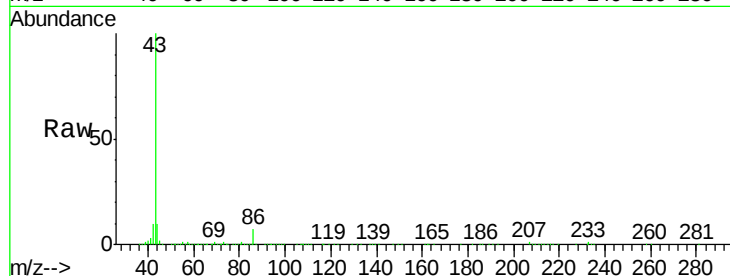
#23
 Vinyl Acetate
 Concen: 22.017 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
43	100	324545		
86	7.2	5.9	8.9	

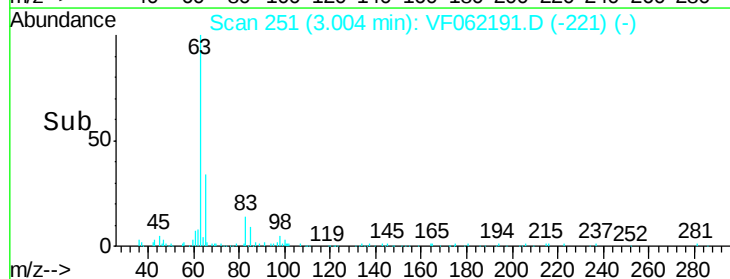
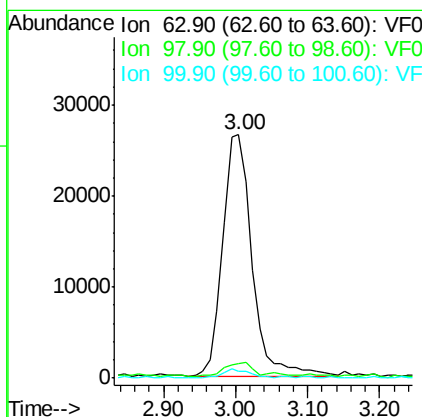
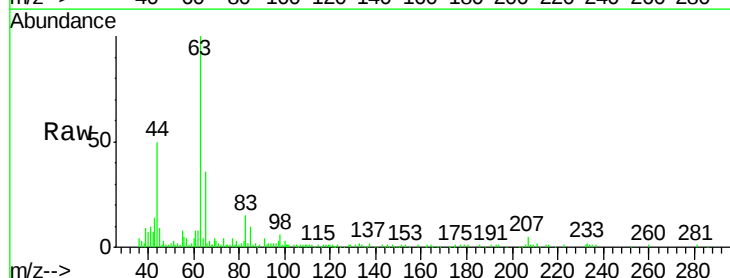
Manual Integrations
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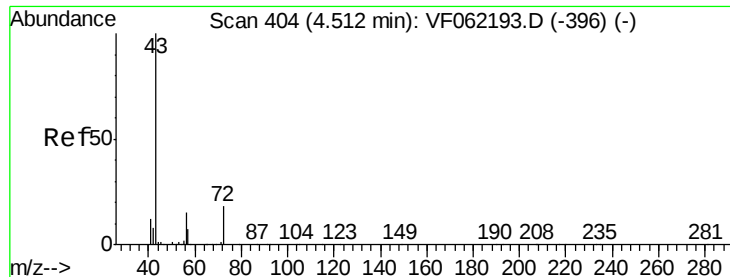
MMDadoda
 4/19/2019 10:53:10 AM



#24
 1,1-Dichloroethane
 Concen: 8.392 ug/l
 RT: 3.00 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	75634		
98	5.2	2.3	6.8	
100	2.4	1.7	5.0	





#25

2-Butanone

Concen: 20.920 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tot Ion: 43 Resp: 89651

Ion Ratio Lower Upper

43 100

72 18.6 16.1 24.1

Instrument :

MSVOA_F

ClientSampleId :

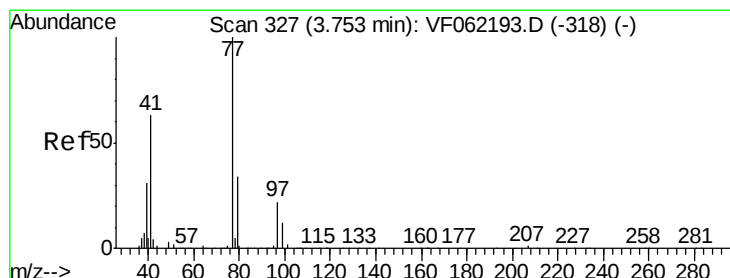
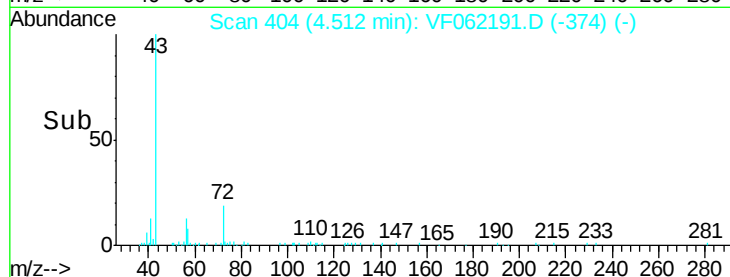
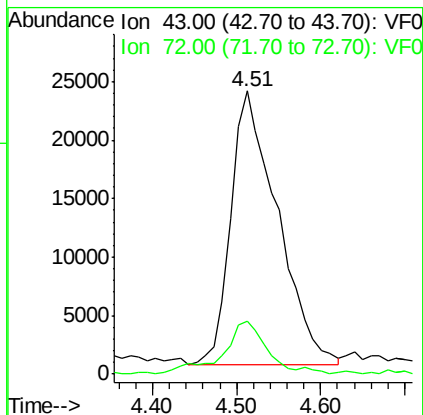
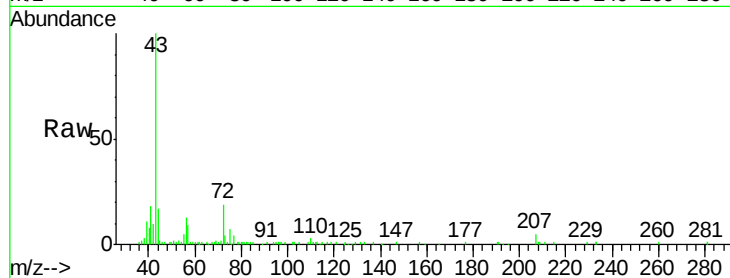
VSTDIC010

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 5.970 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF062191.D

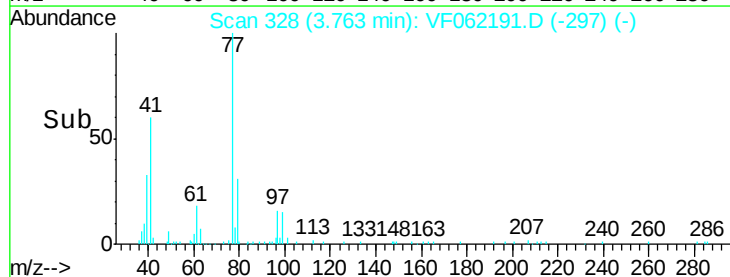
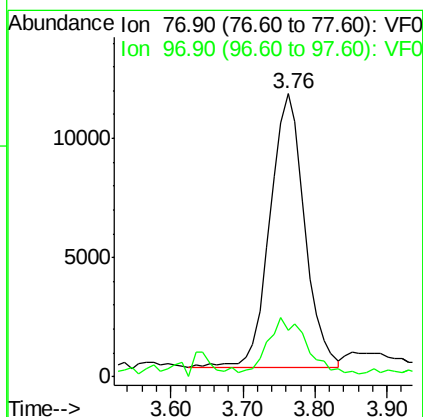
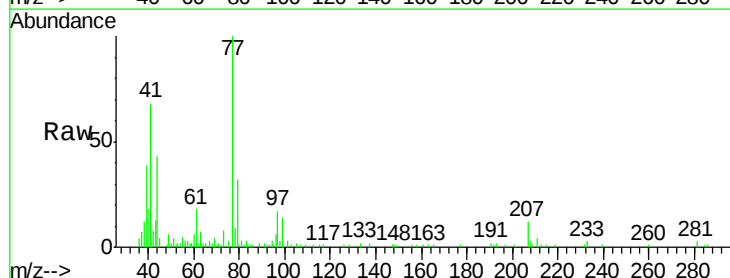
Acq: 17 Apr 2019 17:40

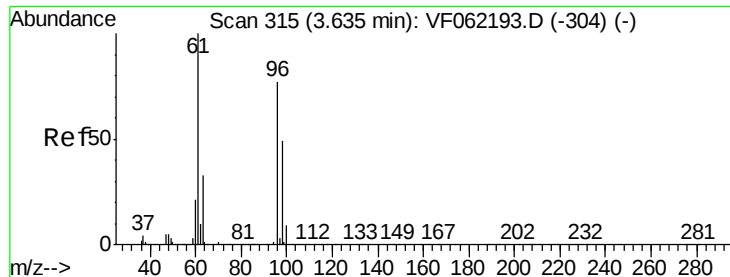
Tgt Ion: 77 Resp: 38525

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

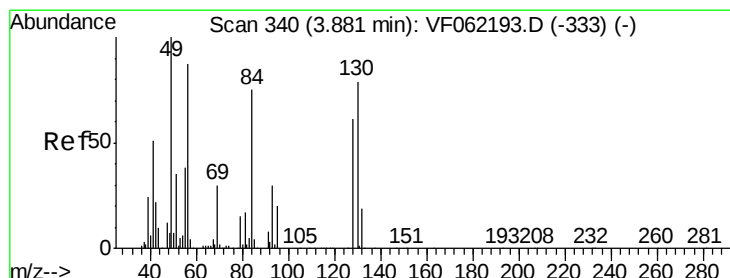
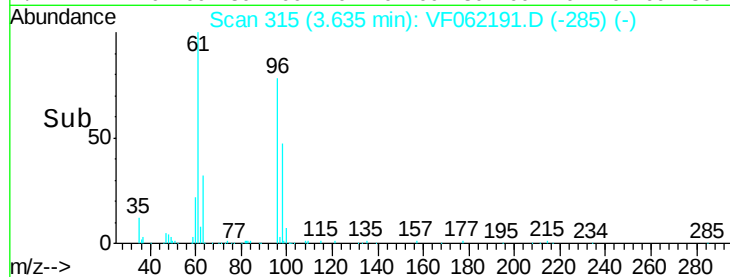
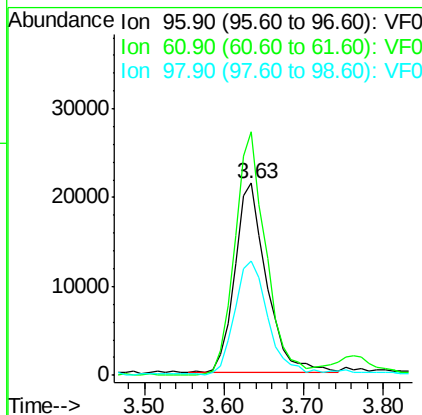
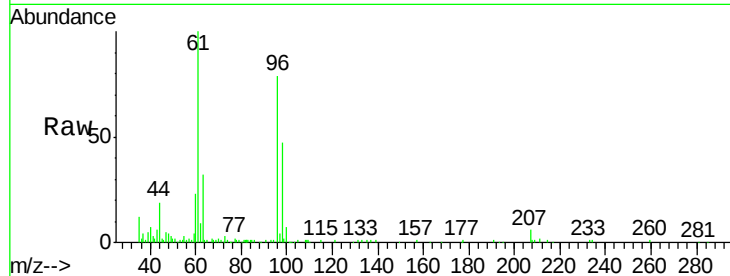
cis-1,2-Dichloroethene
Concen: 10.801 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59025		
61	126.1		0.0	253.6
98	62.5		0.0	124.8

Manual Integrations
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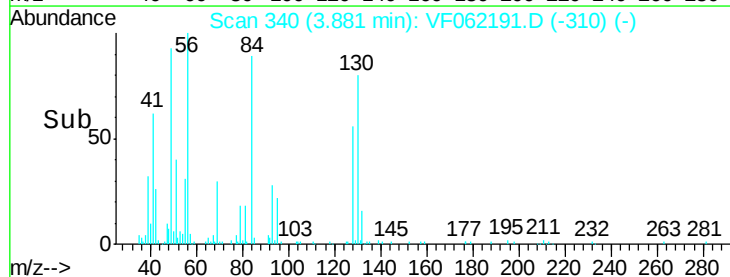
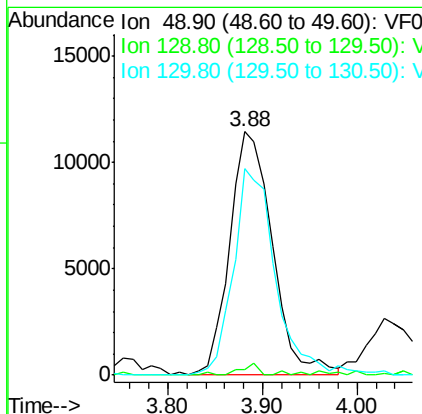
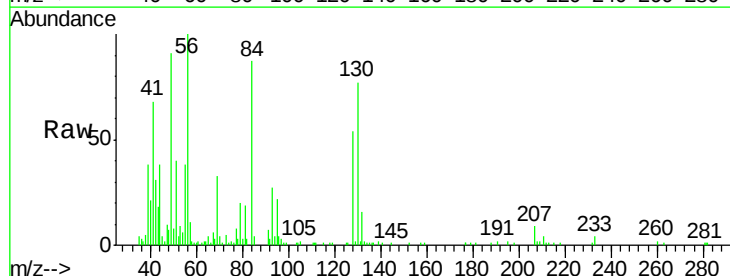
MMDadoda
4/19/2019 10:53:10 AM



#28

Bromochloromethane
Concen: 8.532 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35953		
129	1.7		0.0	0.0#
130	84.2		66.6	100.0





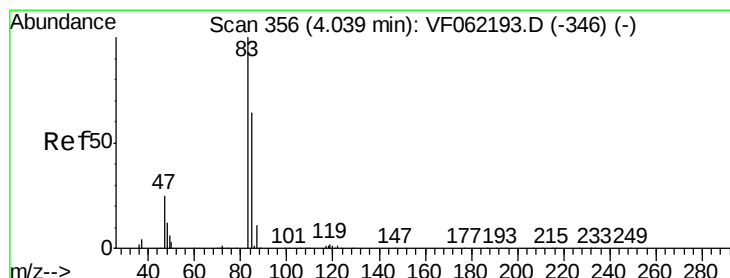
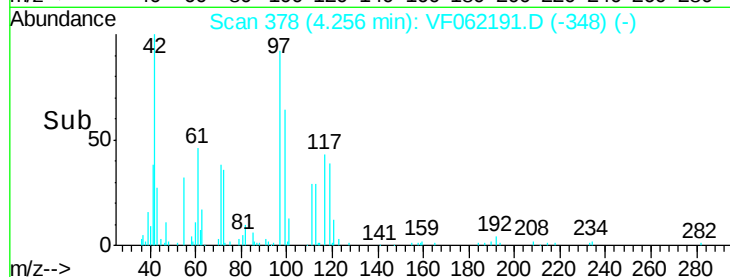
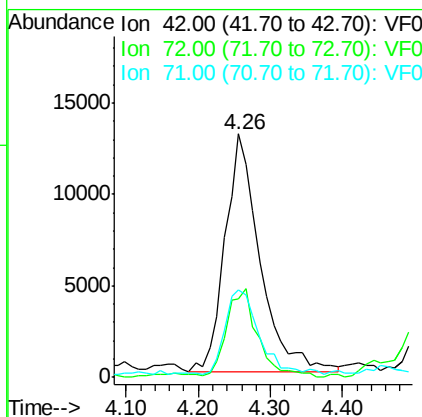
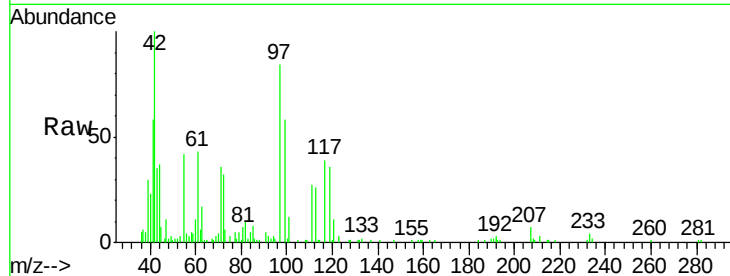
#29
Tetrahydrofuran
Concen: 15.445 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	28.6	43.0
71	34.4	29.2	43.8

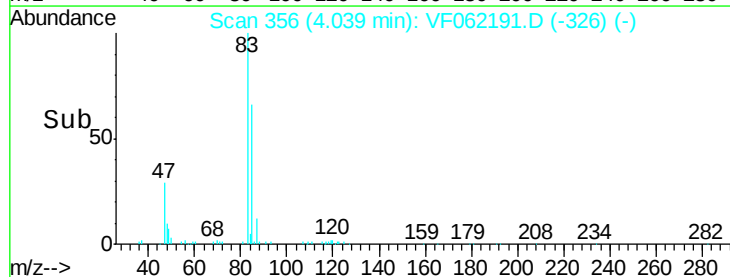
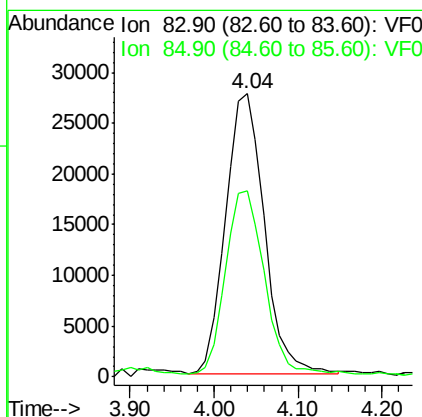
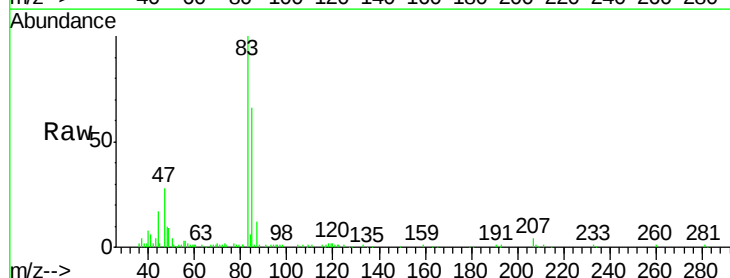
Manual Integrations
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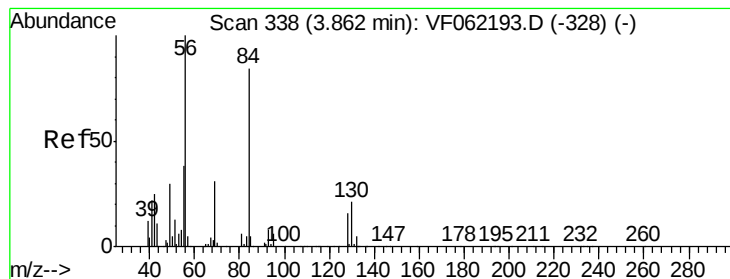
MMDadoda
4/19/2019 10:53:10 AM



#30
Chloroform
Concen: 10.432 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





#31

Cyclohexane

Concen: 9.993 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

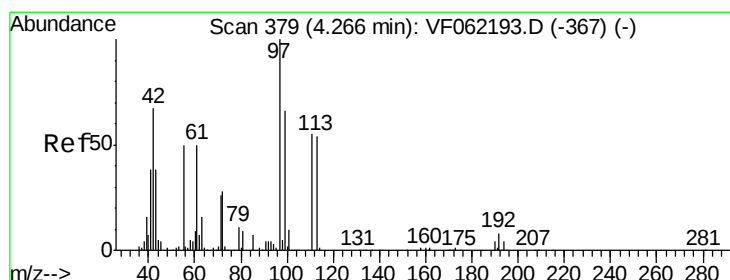
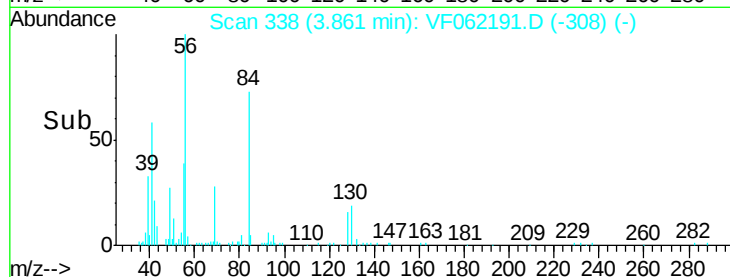
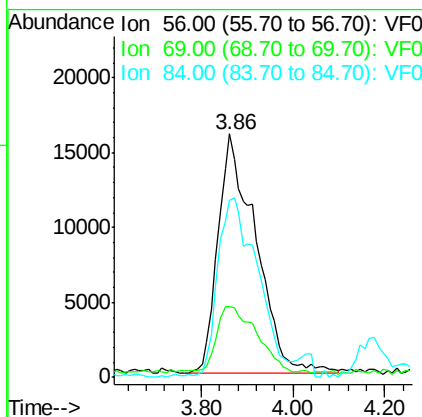
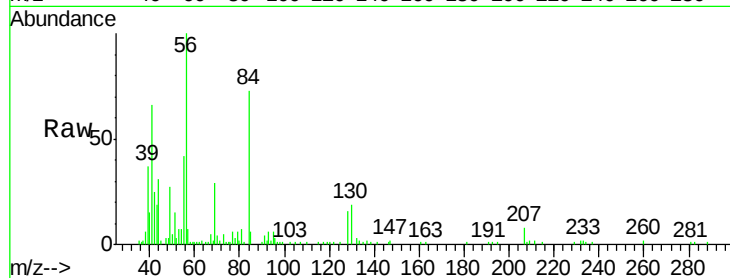
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	91331
Ion	Ratio	Lower	Upper
56	100		
69	28.2	25.1	37.7
84	74.2	67.8	101.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.447 ug/l

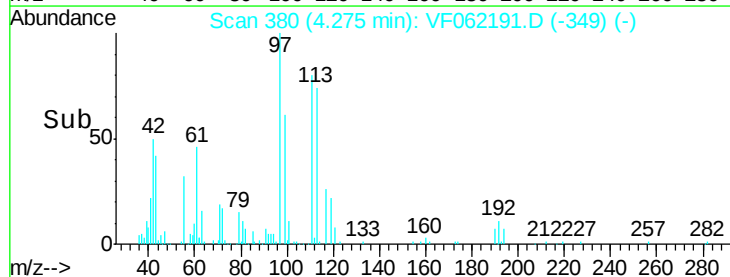
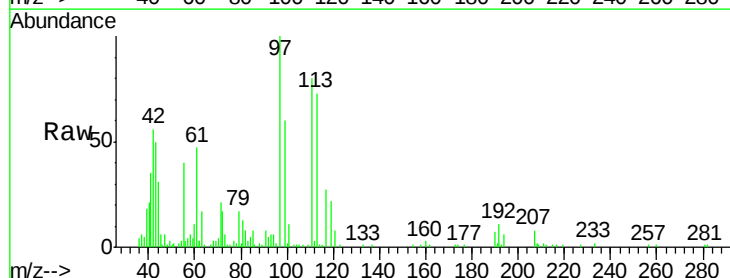
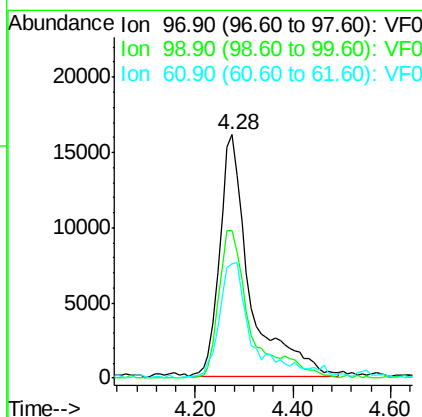
RT: 4.28 min Scan# 380

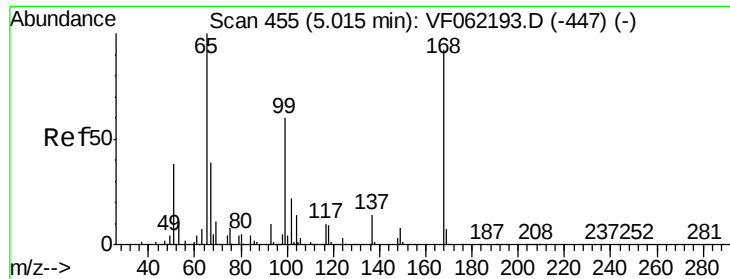
Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	97	Resp:	69585
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.7	79.1
61	51.2	53.0	79.4#





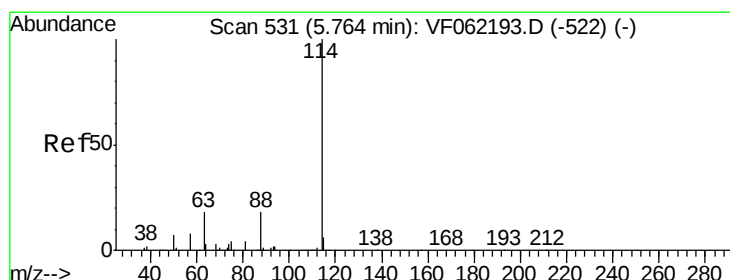
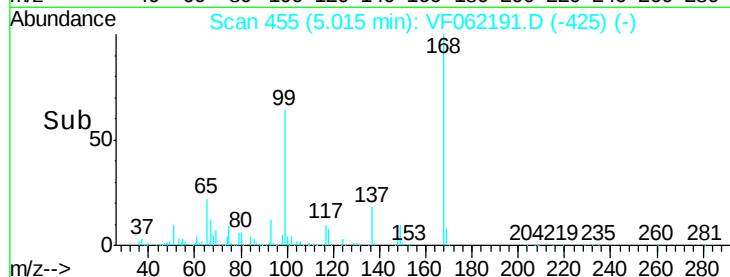
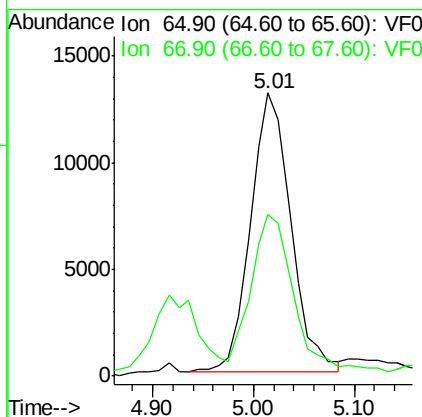
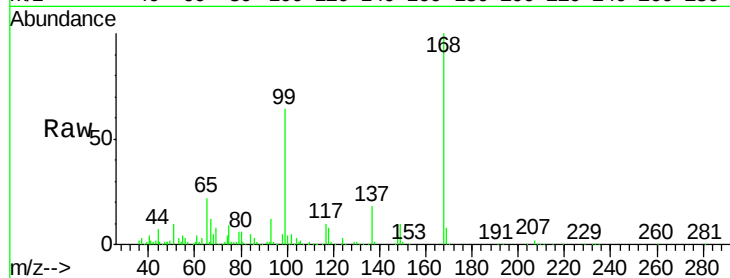
#33
 1,2-Dichloroethane-d4
 Concen: 6.639 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	59.1	0.0	109.4

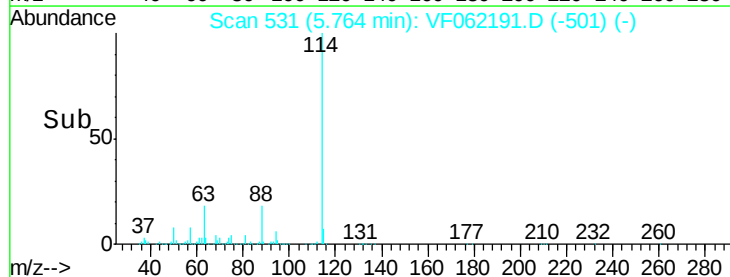
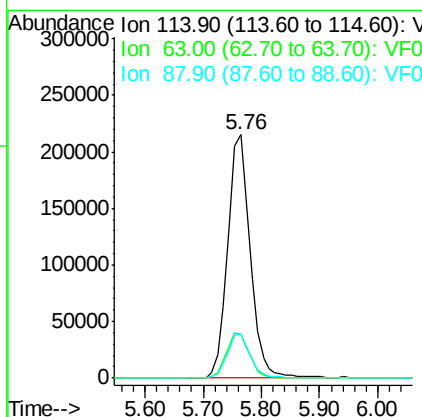
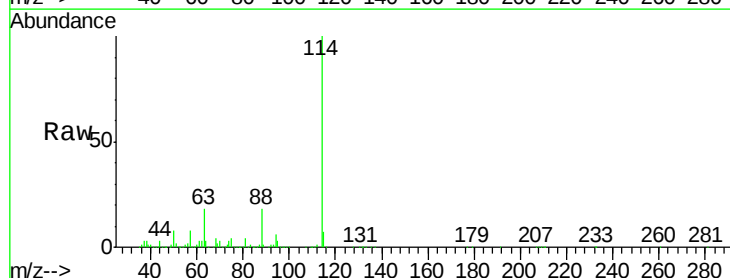
Manual Integrations
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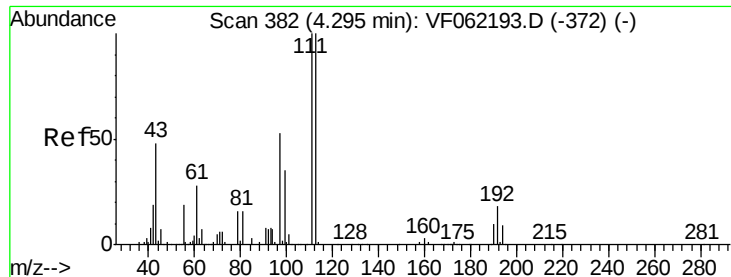
MMDadoda
 4/19/2019 10:53:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.6
88	18.1	0.0	35.8





#35

Dibromofluoromethane

Concen: 13.308 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

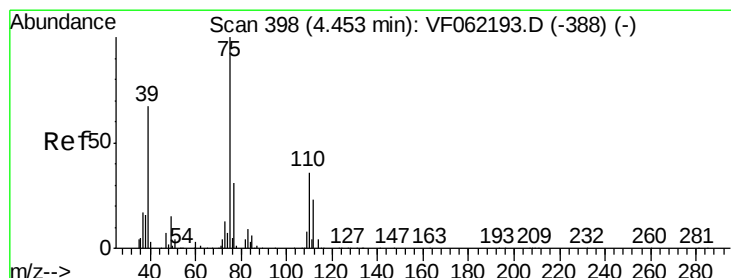
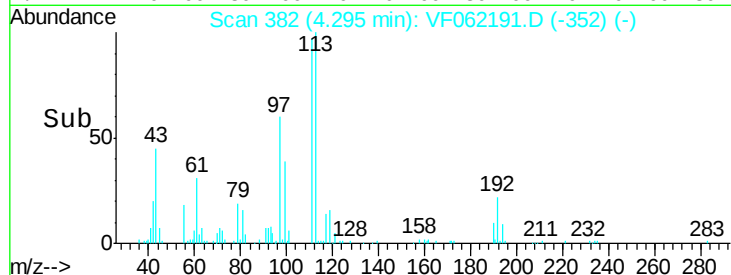
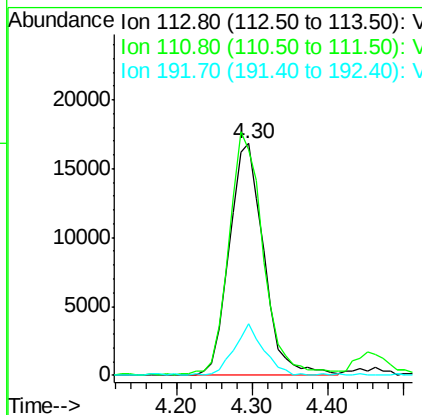
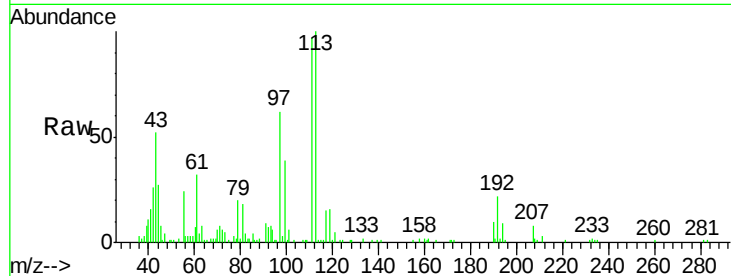
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	53019
Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.1	121.7
192	18.9	14.7	22.1

Manual Integrations
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MMDadoda
4/19/2019 10:53:10 AM



#36

1,1-Dichloropropene

Concen: 11.233 ug/l

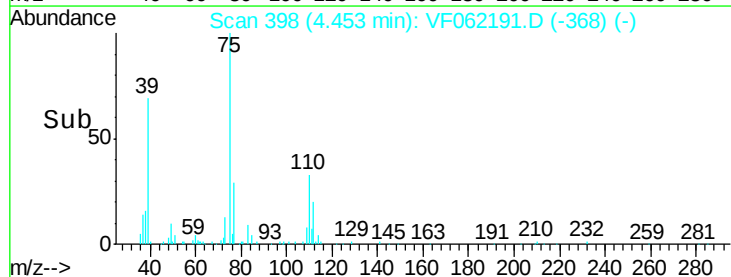
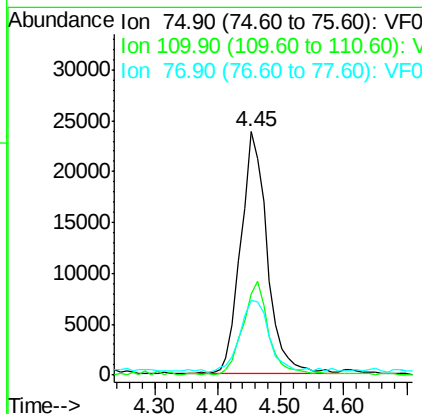
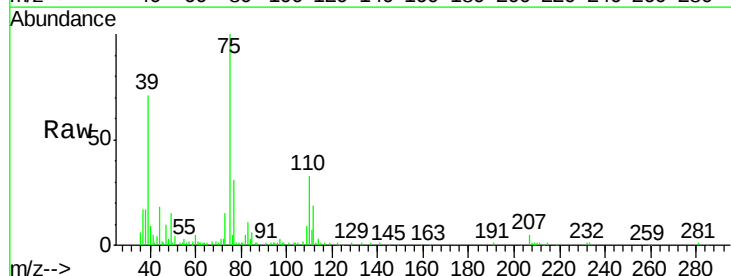
RT: 4.45 min Scan# 398

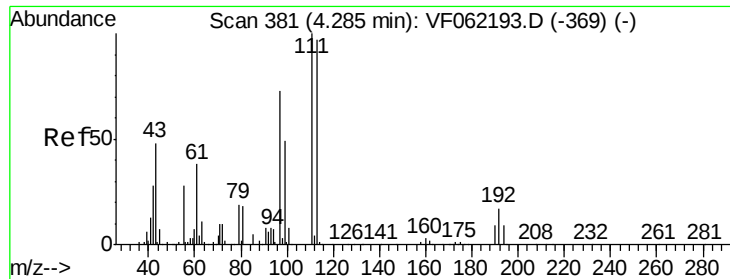
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	75	Resp:	69964
Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.4	55.2
77	32.4	25.4	38.2





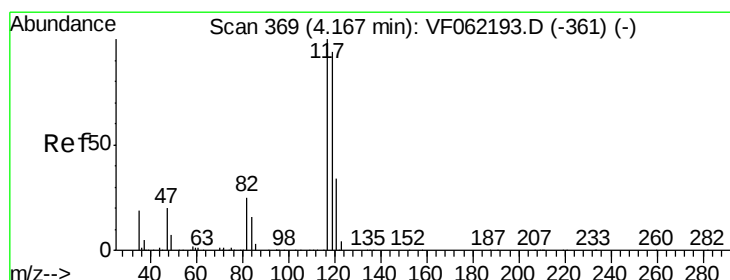
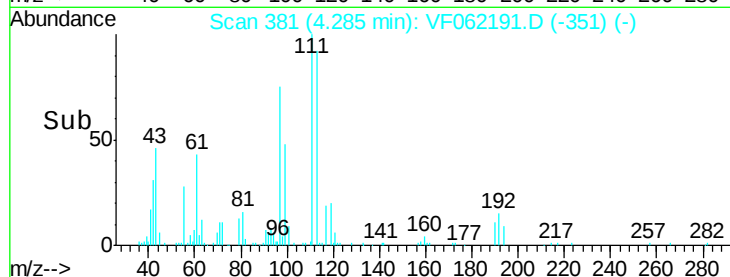
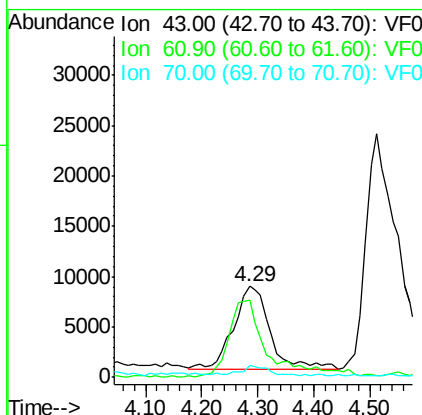
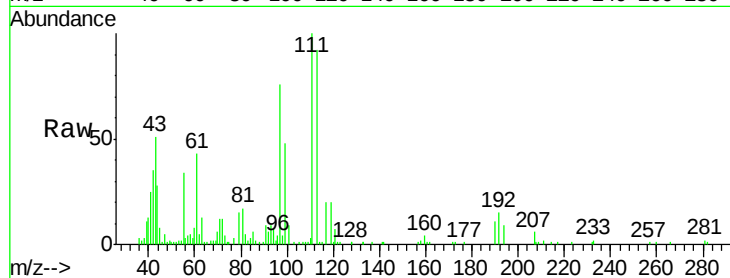
#37
Ethyl Acetate
Concen: 5.200 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70	Ratio	Lower	Upper
36225	100	98.4	8.8		0.0	11.6

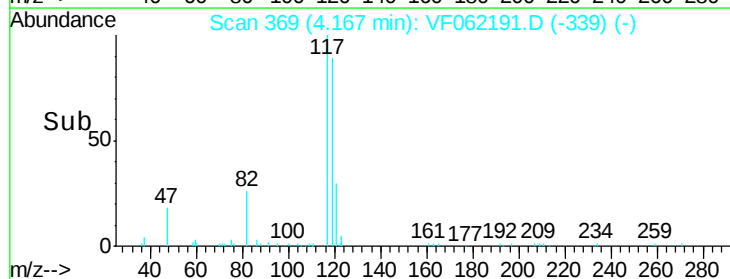
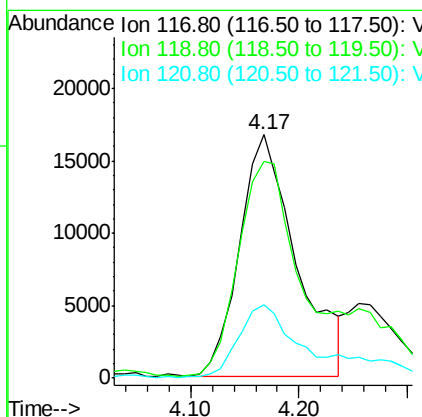
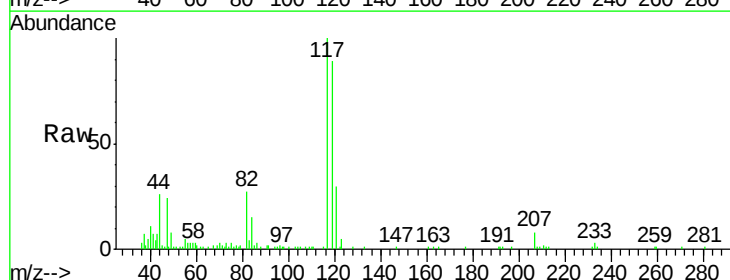
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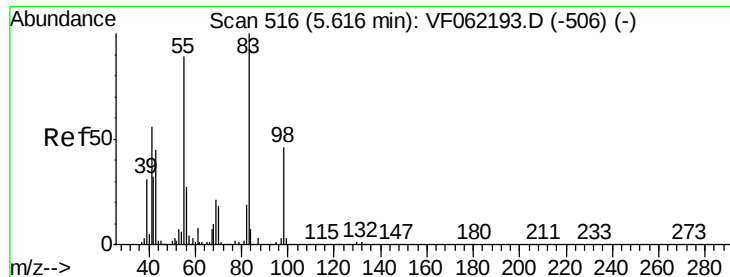
MMDadoda
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#38
Carbon Tetrachloride
Concen: 11.732 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	117	119	121	Ratio	Lower	Upper
61053	100	88.3	29.7		75.0	40.3





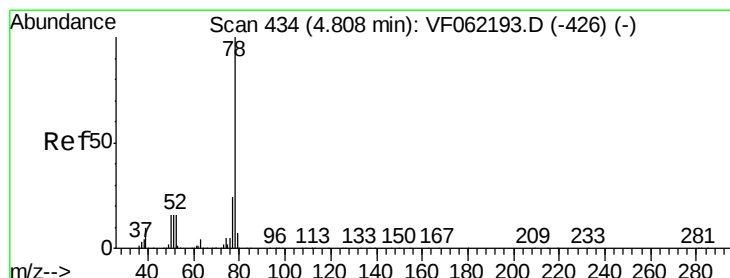
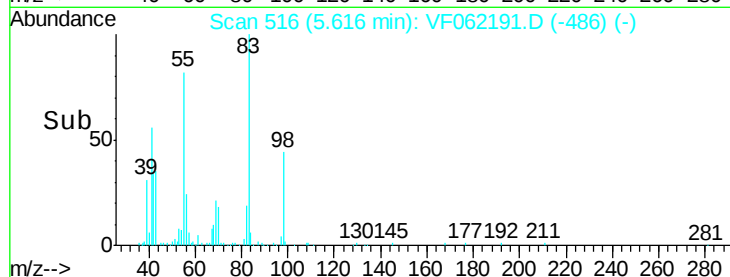
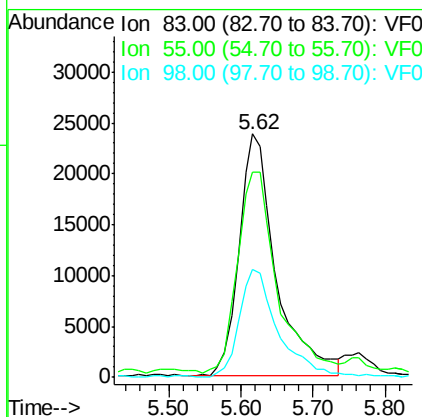
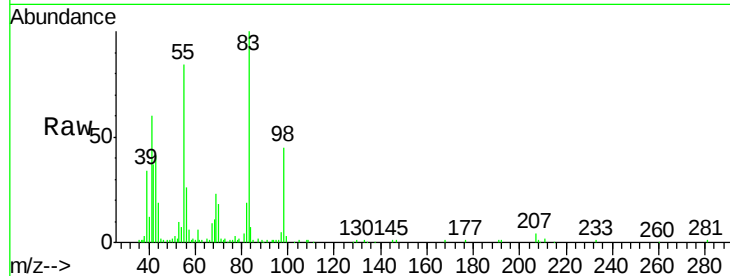
#39
Methvlcvclohexane
Concen: 11.339 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	71.0	106.6
98	44.3	36.7	55.1

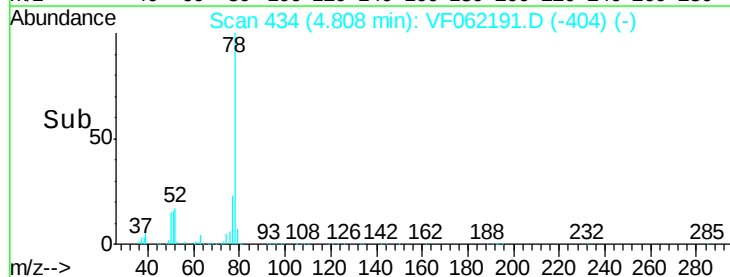
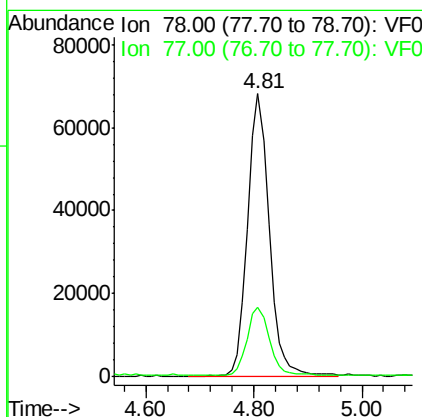
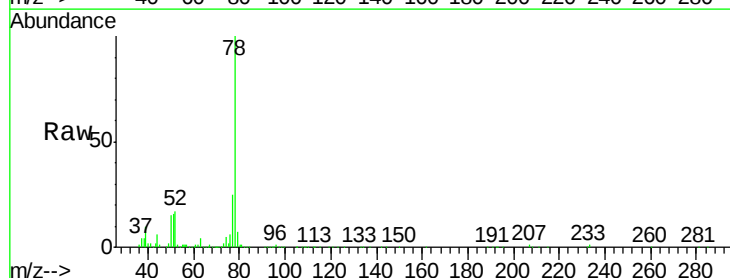
Manual Integrations
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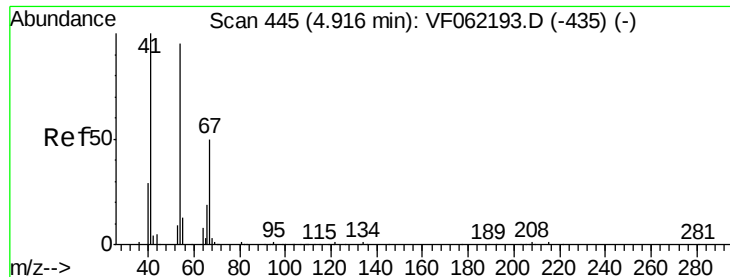
MMDadoda
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#40
Benzene
Concen: 10.601 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





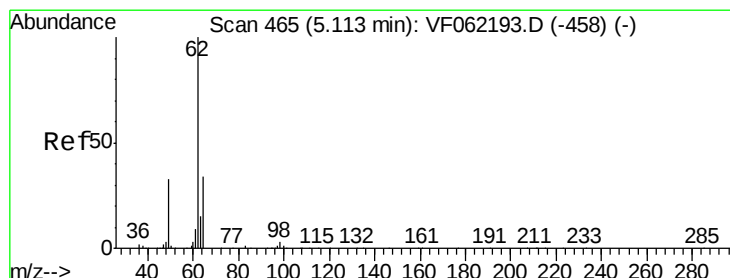
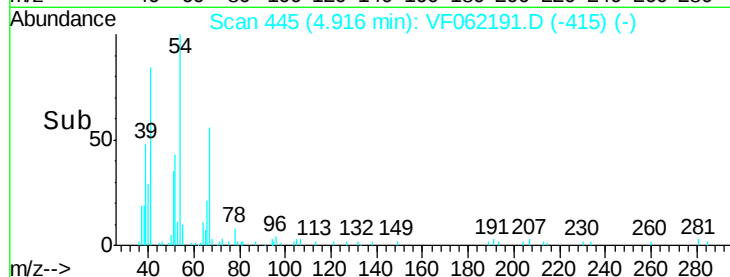
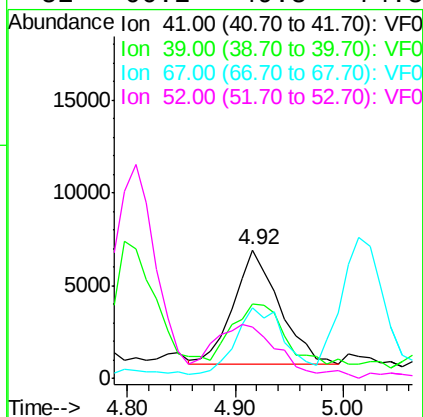
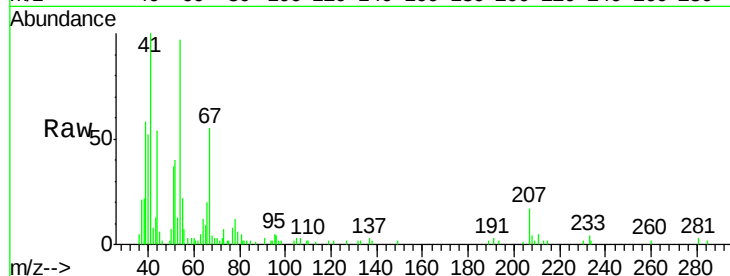
#41
Methacrylonitrile
Concen: 4.490 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.4	44.7	67.1#	
67	62.7	39.1	58.7#	
52	66.2	49.8	74.8	

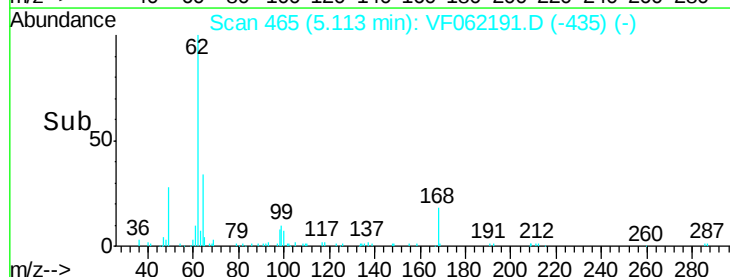
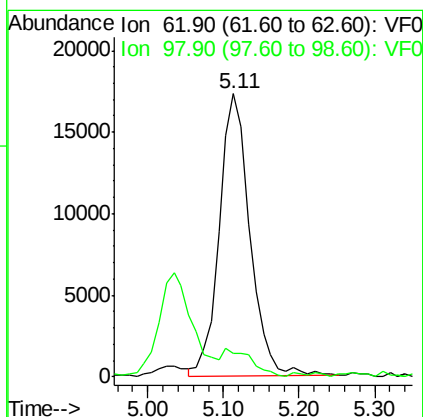
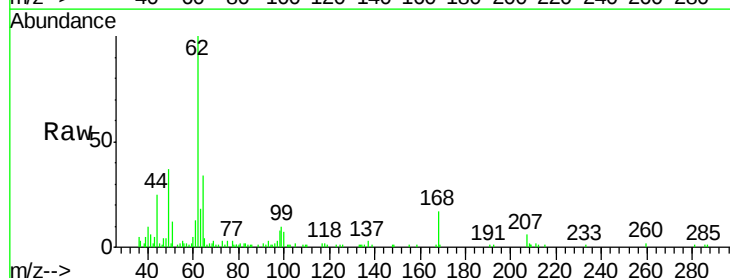
Manual Integrations
APPROVED

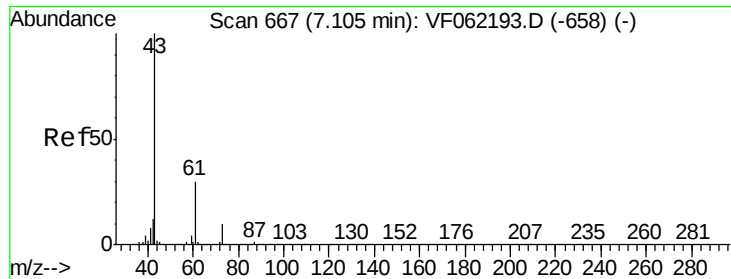
MMDadoda
4/19/2019 10:53:10 AM



#42
1,2-Dichloroethane
Concen: 7.972 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.0	





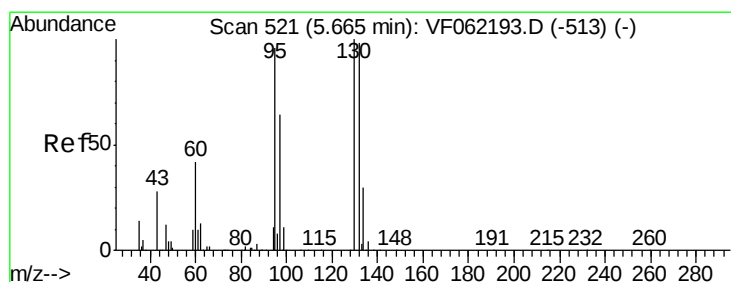
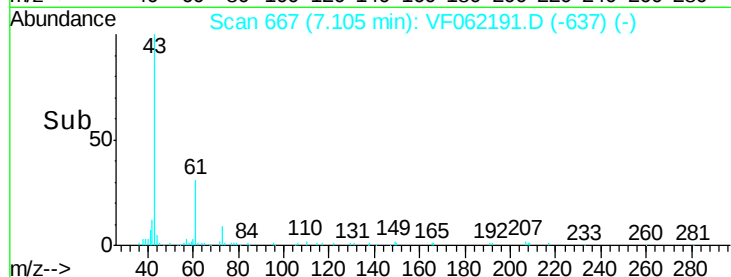
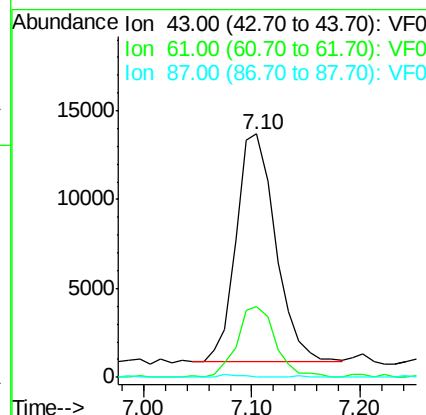
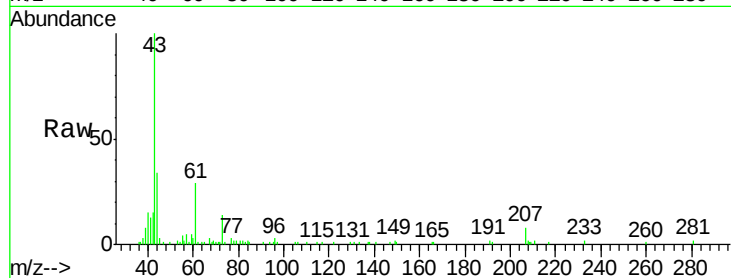
#43
Isopropyl Acetate
Concen: 2.941 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.4	36.6
87	0.0	0.4	0.6

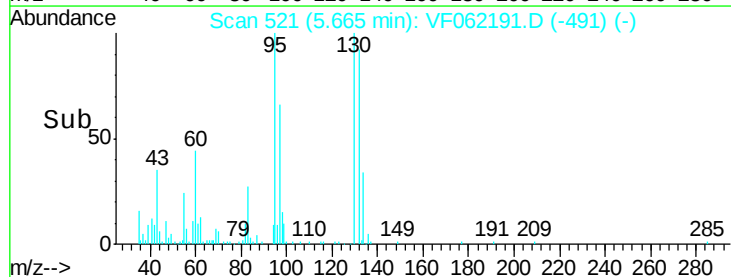
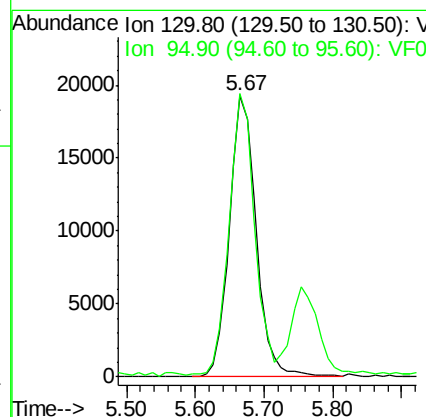
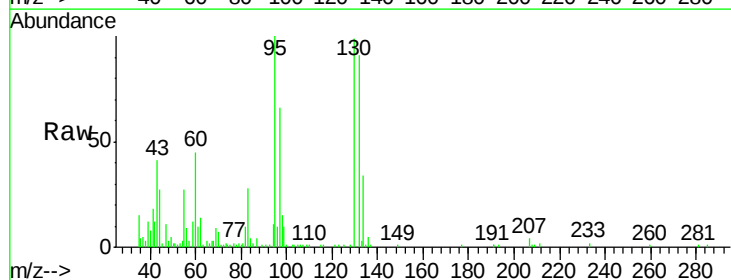
Manual Integrations
APPROVED

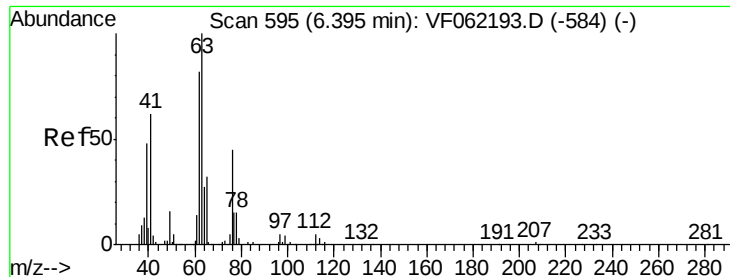
MMDadoda
4/19/2019 10:53:10 AM



#44
Trichloroethene
Concen: 11.635 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	191.4





#45

1,2-Dichloropropane

Concen: 8.484 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 40519

Ion Ratio Lower Upper

63 100

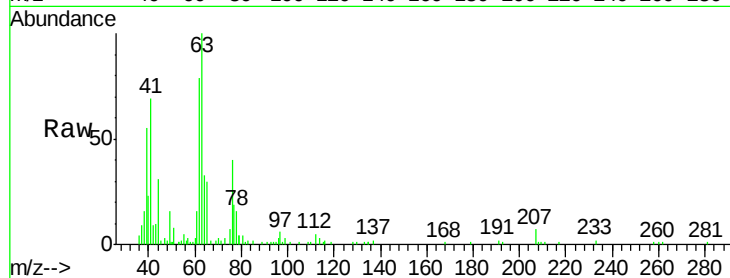
65 29.1 25.9 38.9

Manual Integrations

APPROVED

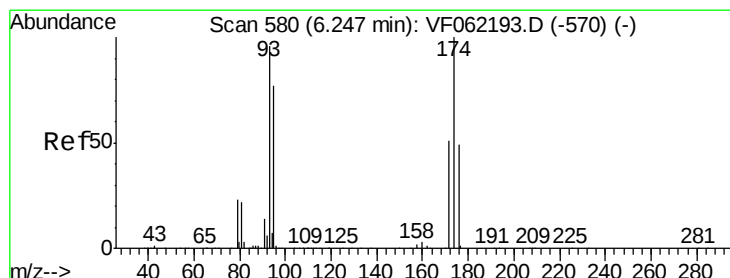
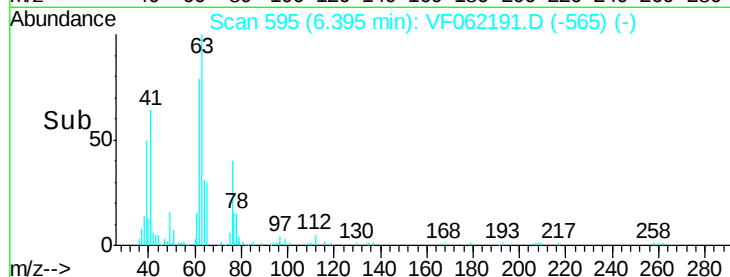
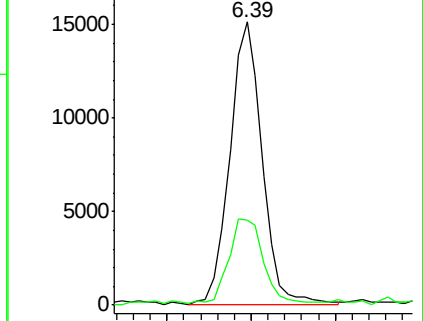
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 9.427 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

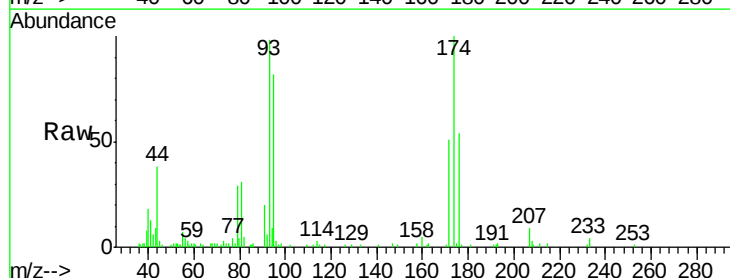
Tgt Ion: 93 Resp: 26987

Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

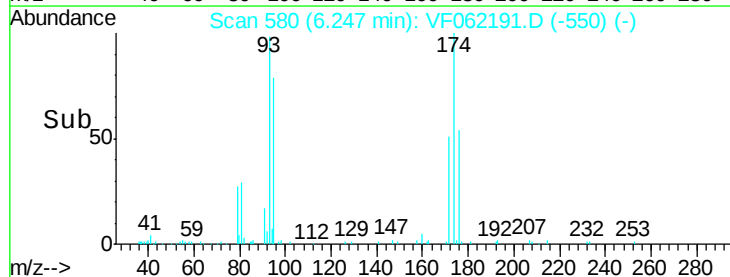
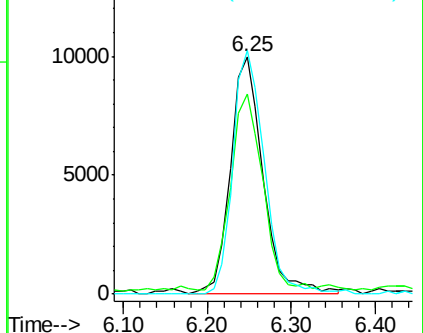
174 99.2 81.8 122.6

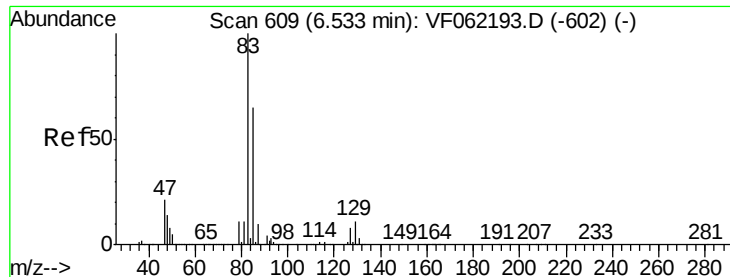


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.702 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

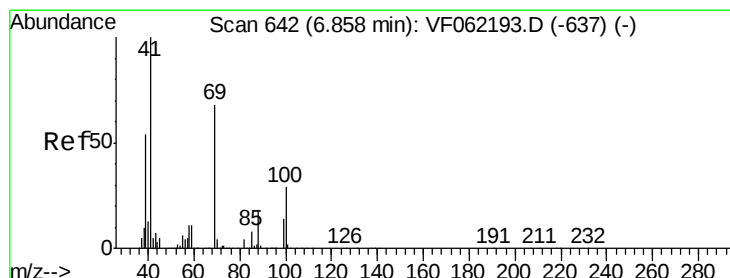
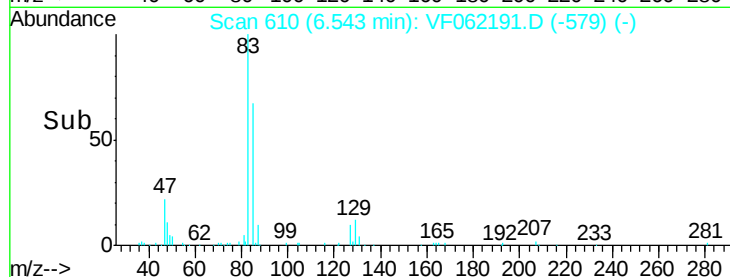
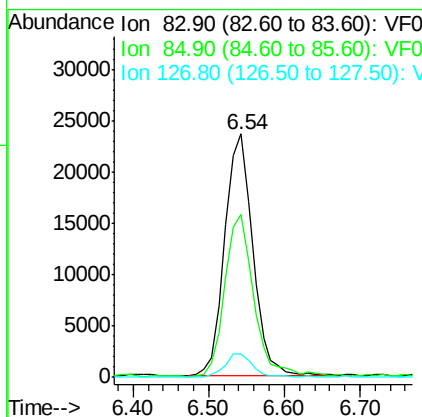
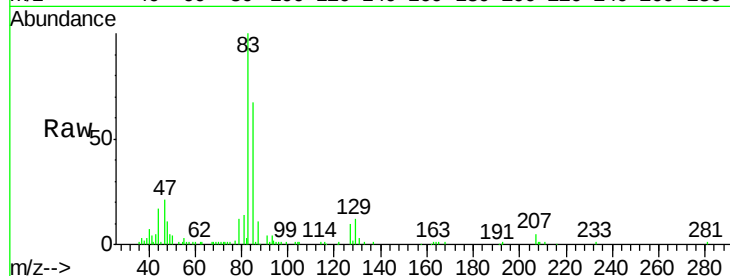
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	60811
Ion Ratio	Lower	Upper	
83	100		
85	67.1	52.2	78.4
127	9.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.843 ug/l

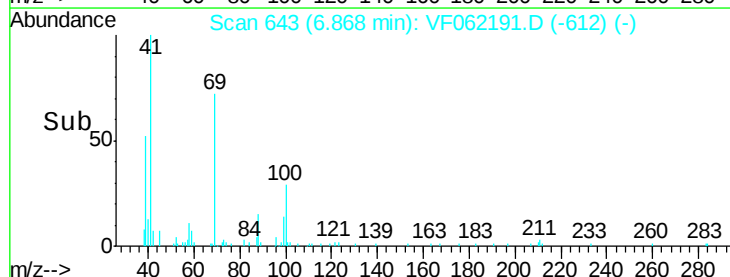
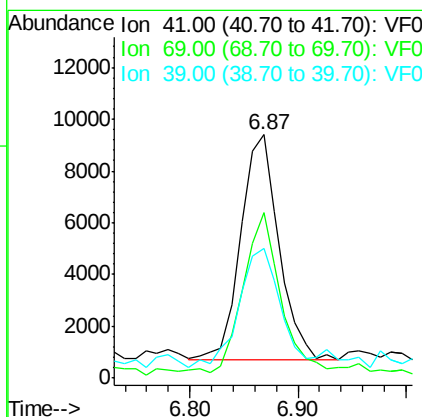
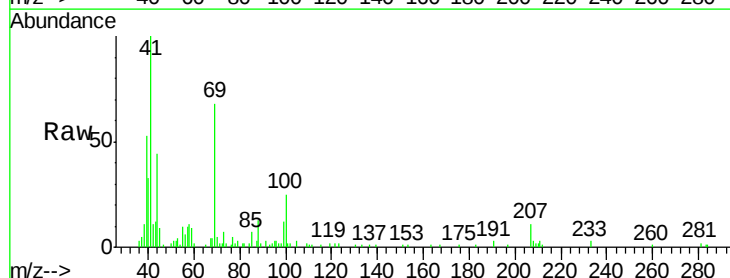
RT: 6.87 min Scan# 643

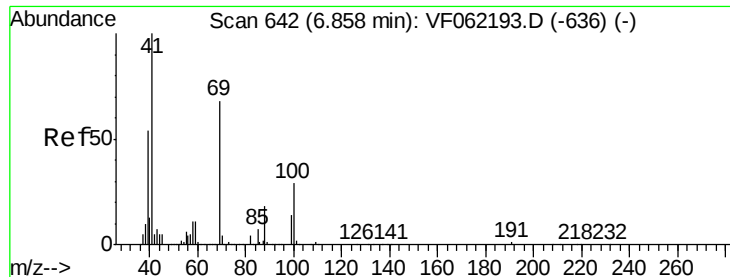
Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	41	Resp:	21162
Ion Ratio	Lower	Upper	
41	100		
69	67.5	54.9	82.3
39	58.4	43.6	65.4





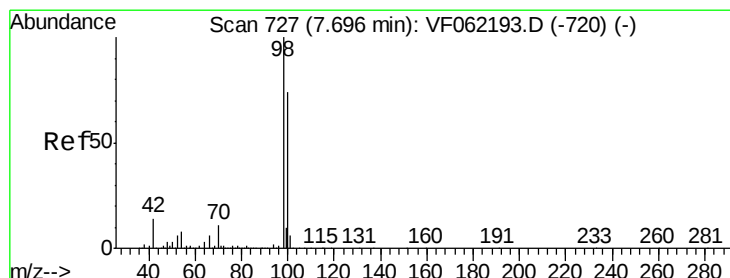
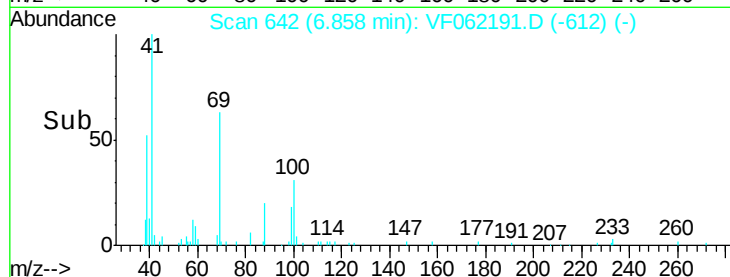
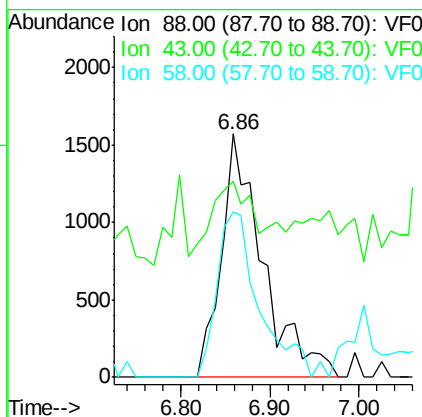
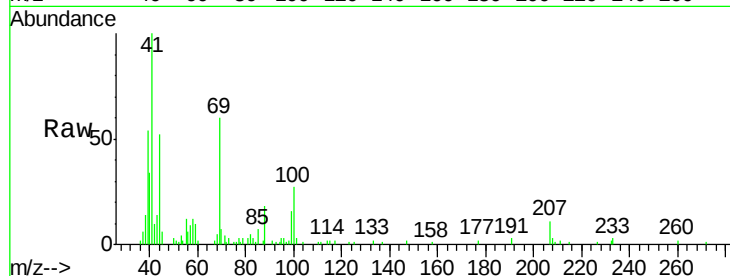
#49
 1,4-Dioxane
 Concen: 49.967 ug/l
 RT: 6.86 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.5	36.9	55.3#
58	69.3	56.8	85.2

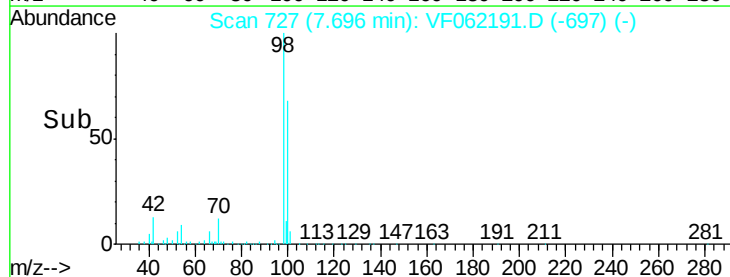
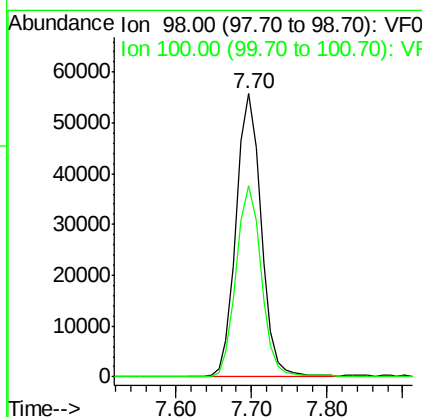
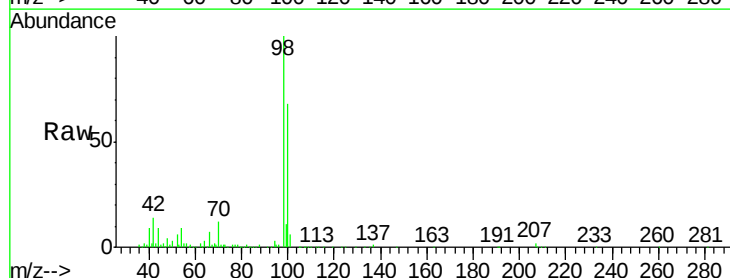
Manual Integrations
 APPROVED

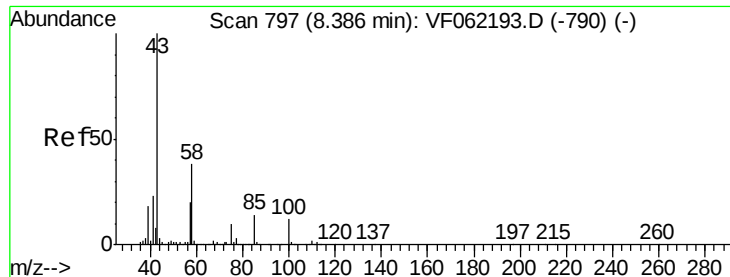
MMDadoda
 4/19/2019 10:53:10 AM



#50
 Toluene-d8
 Concen: 8.844 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.9	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 18.490 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 130386

Ion Ratio Lower Upper

43 100

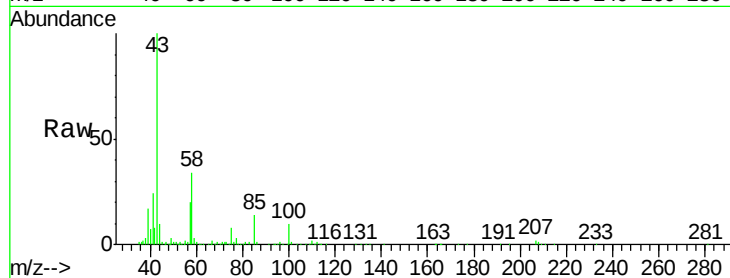
58 36.2 29.3 43.9

Manual Integrations

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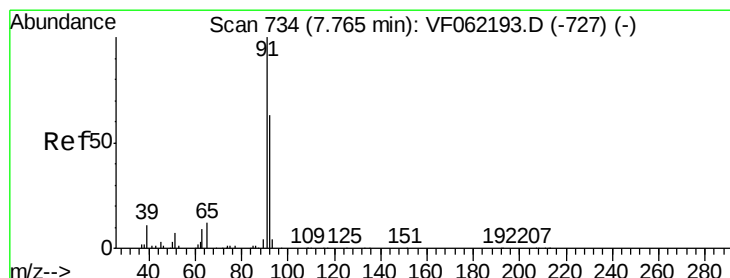
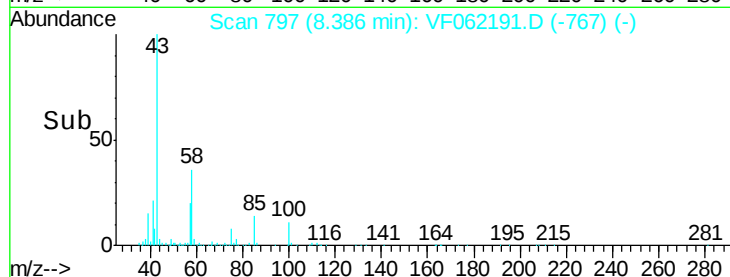
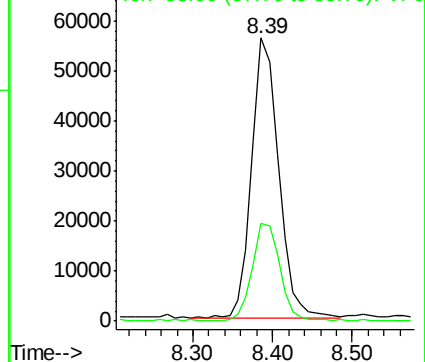
MMDadoda

4/19/2019 10:53:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 9.146 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF062191.D

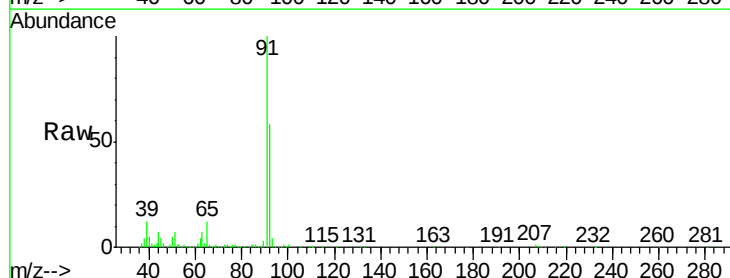
Acq: 17 Apr 2019 17:40

Tgt Ion: 92 Resp: 96503

Ion Ratio Lower Upper

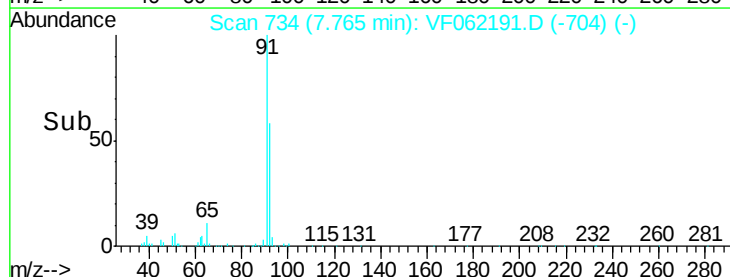
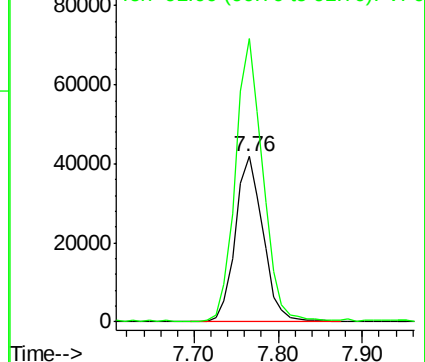
92 100

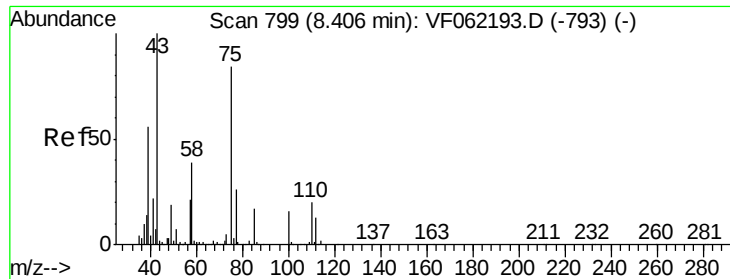
91 167.0 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





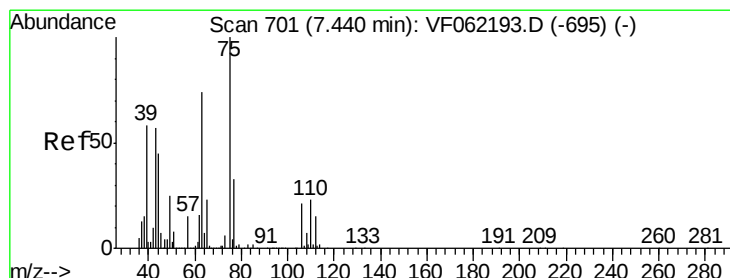
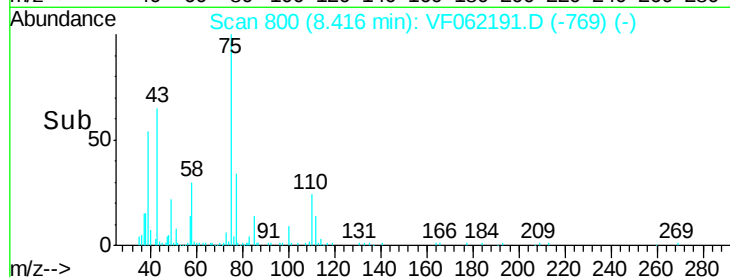
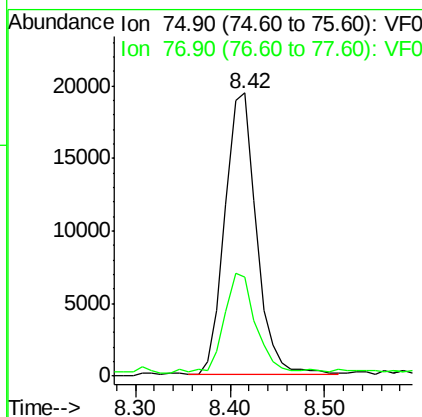
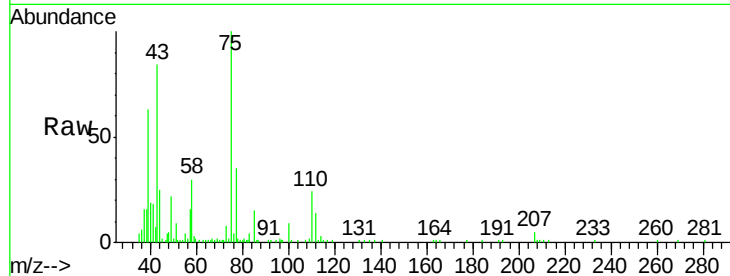
#53
t-1,3-Dichloropropene
Concen: 7.378 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 45107
Ion Ratio Lower Upper
75 100
77 33.9 24.6 36.8

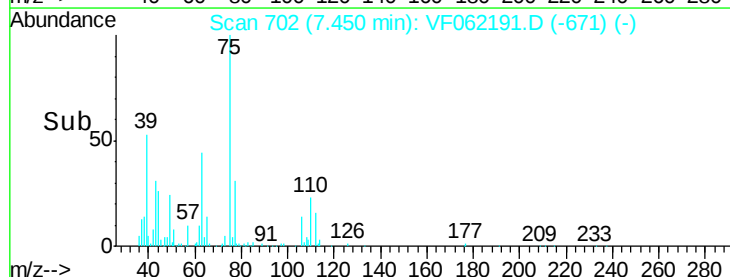
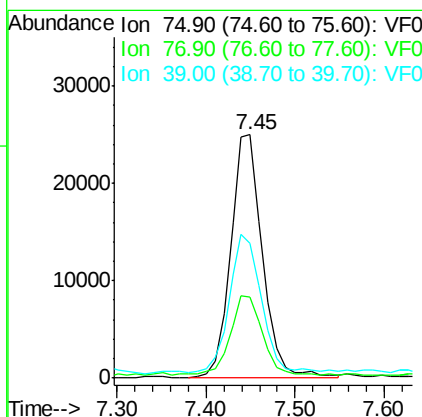
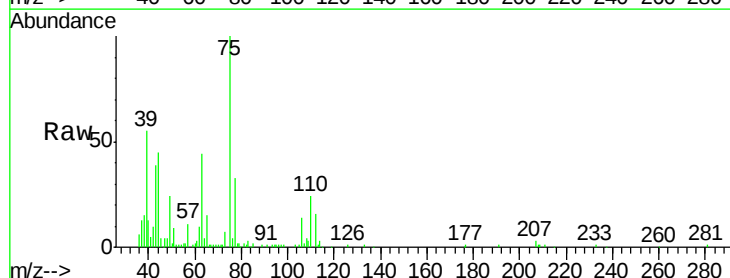
Manual Integrations
APPROVED

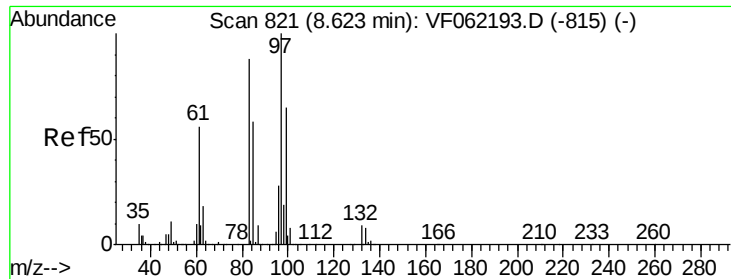
MMDadoda
4/19/2019 10:53:10 AM



#54
cis-1,3-Dichloropropene
Concen: 8.844 ug/l
RT: 7.45 min Scan# 702
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion: 75 Resp: 62297
Ion Ratio Lower Upper
75 100
77 32.2 26.4 39.6
39 52.9 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 6.853 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 27249

Ion Ratio Lower Upper

97 100

83 87.1 70.2 105.2

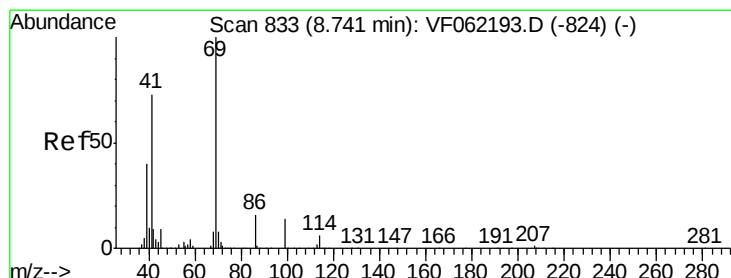
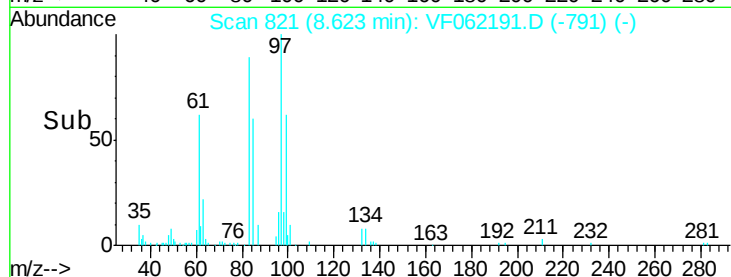
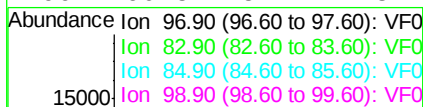
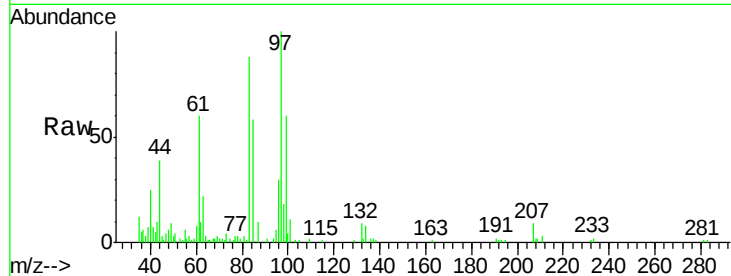
85 58.4 46.2 69.4

99 60.5 52.2 78.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.375 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

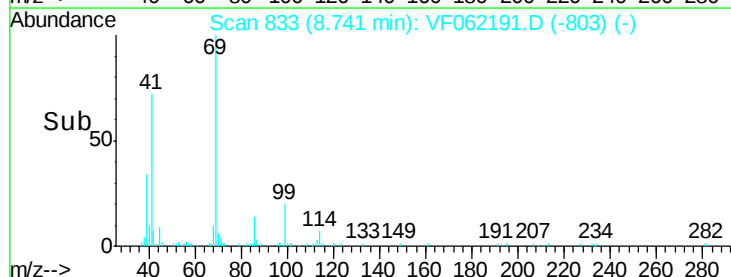
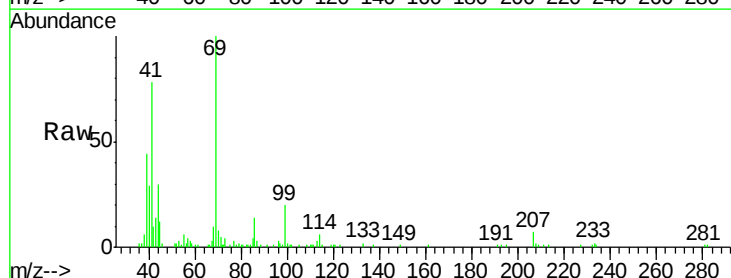
Tgt Ion: 69 Resp: 29709

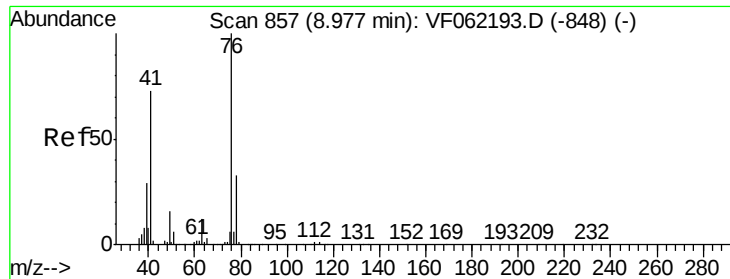
Ion Ratio Lower Upper

69 100

41 85.0 61.5 92.3

39 57.5 33.3 49.9#





#57

1,3-Dichloropropane

Concen: 6.067 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 42517

Ion Ratio Lower Upper

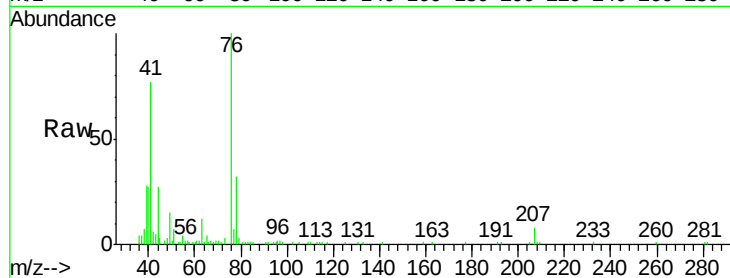
76 100

78 32.9 26.5 39.7

Manual Integrations
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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

8.98

20000

15000

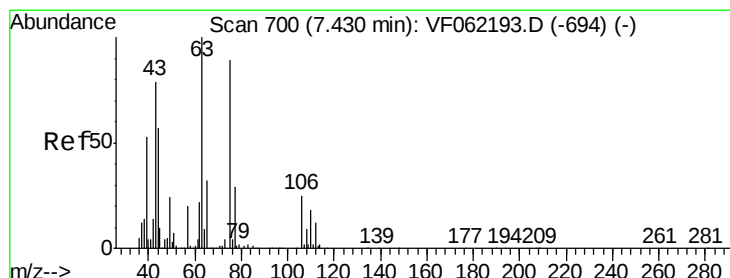
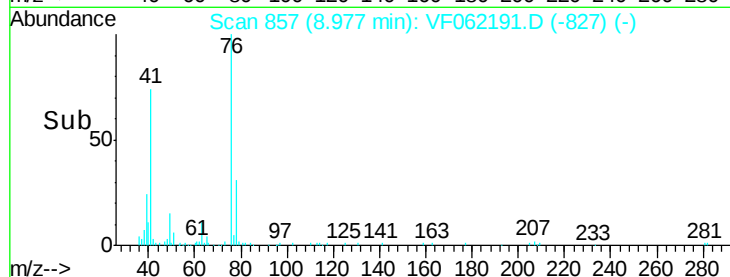
10000

5000

0

Time-->

8.90 9.00 9.10



#58

2-Chloroethyl Vinyl ether

Concen: 11.800 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.00 min

Lab File: VF062191.D

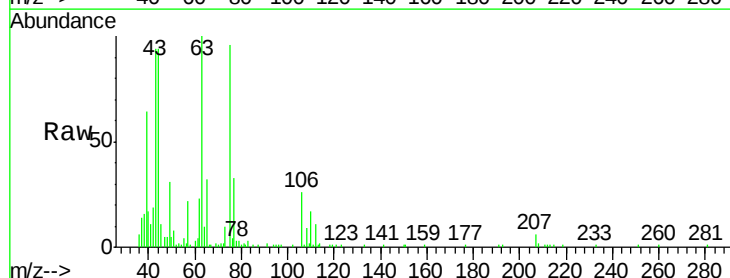
Acq: 17 Apr 2019 17:40

Tgt Ion: 63 Resp: 41836

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.43

15000

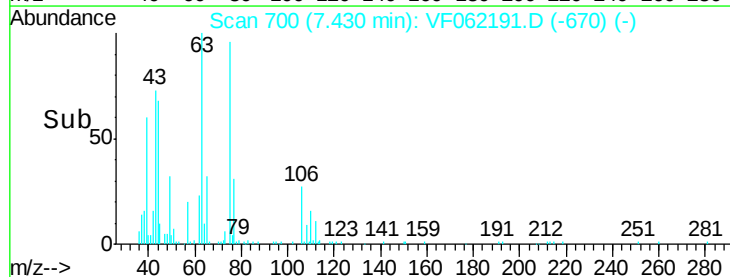
10000

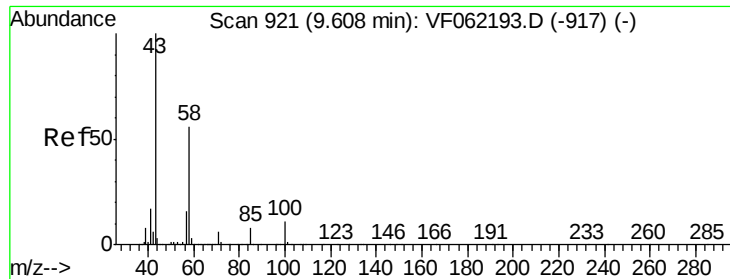
5000

0

Time-->

7.30 7.40 7.50 7.60





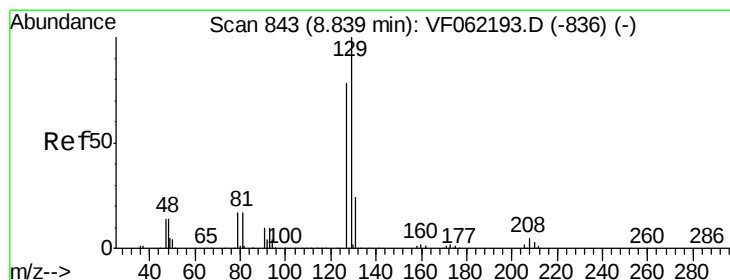
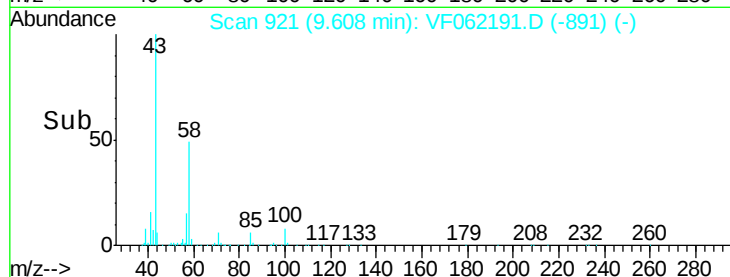
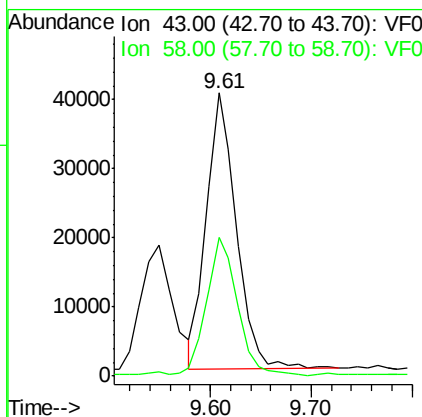
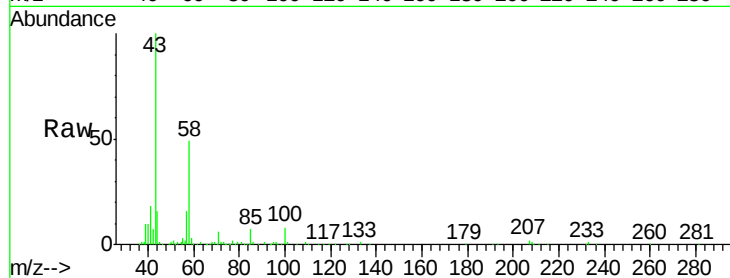
#59
2-Hexanone
Concen: 15.390 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 82795
Ion Ratio Lower Upper
43 100
58 54.1 24.6 74.0

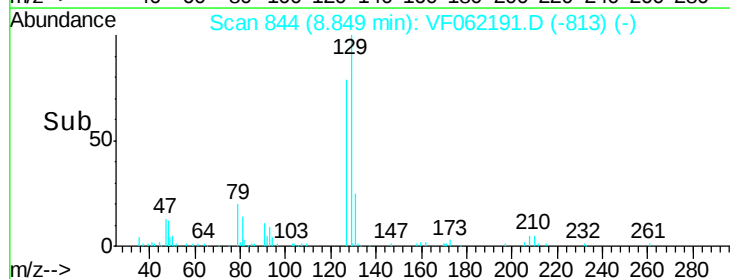
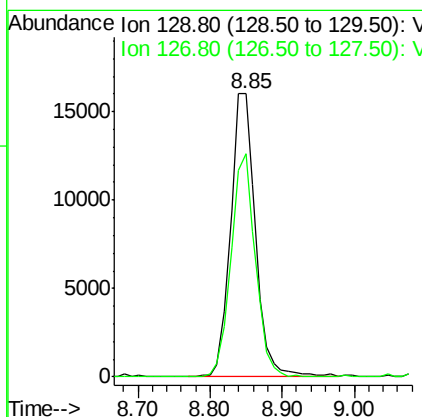
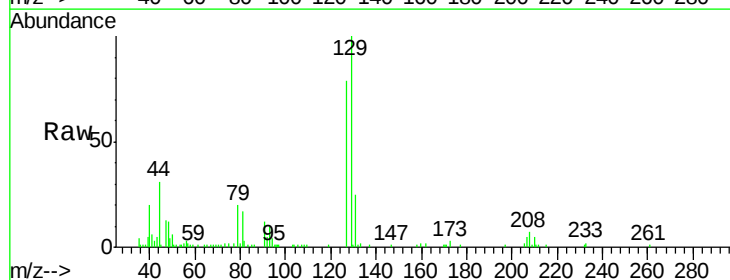
Manual Integrations
APPROVED

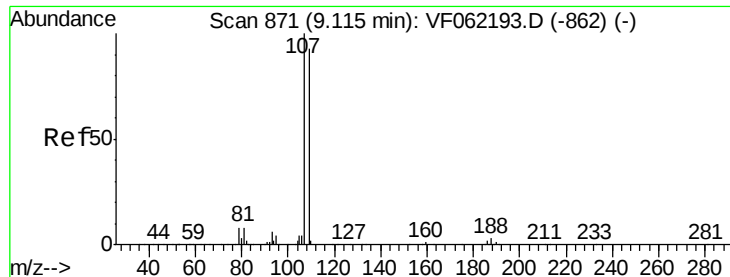
MMDadoda
4/19/2019 10:53:10 AM



#60
Dibromochloromethane
Concen: 9.646 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion: 129 Resp: 38771
Ion Ratio Lower Upper
129 100
127 76.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 7.042 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 29132

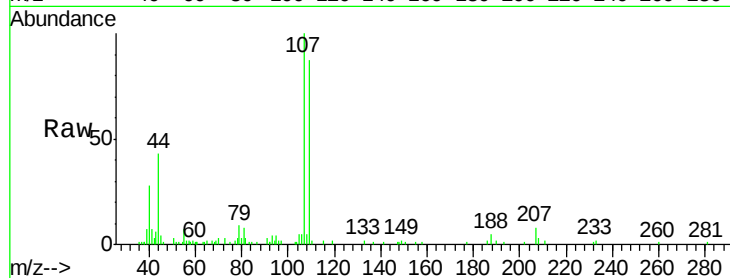
Ion Ratio Lower Upper

107 100

109 98.0 74.3 111.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

15000

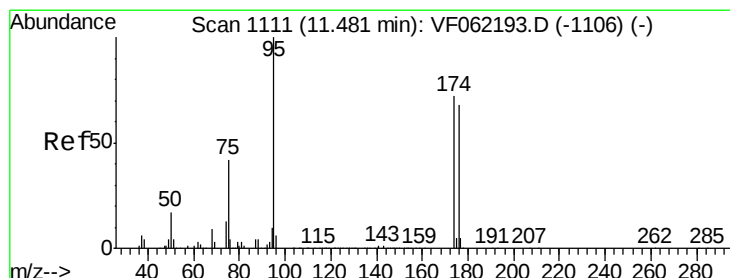
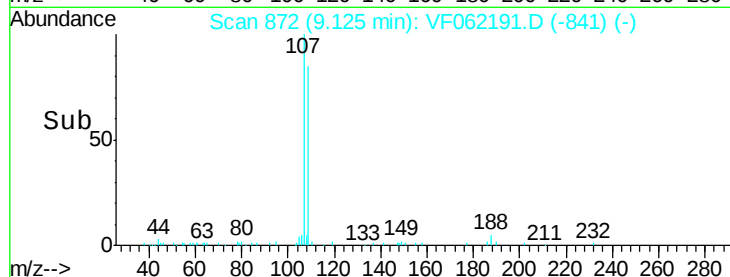
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 9.523 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

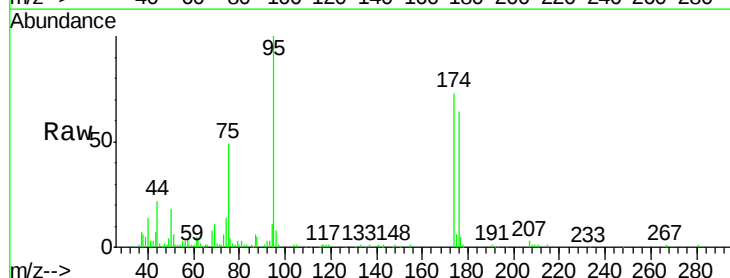
Tgt Ion: 95 Resp: 49094

Ion Ratio Lower Upper

95 100

174 81.7 0.0 159.4

176 78.4 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.48

30000

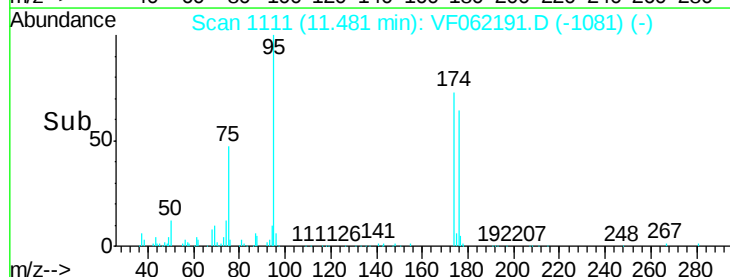
20000

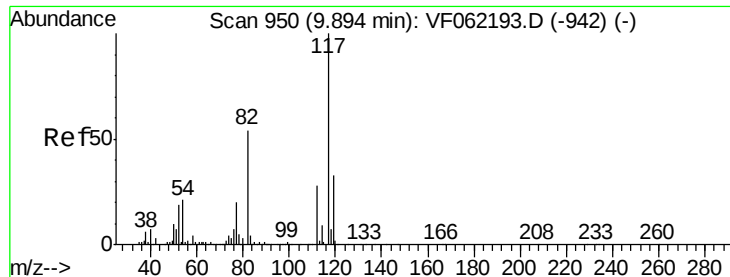
10000

0

Time-->

11.40 11.50





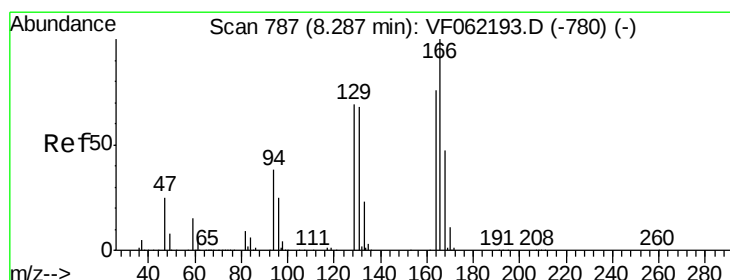
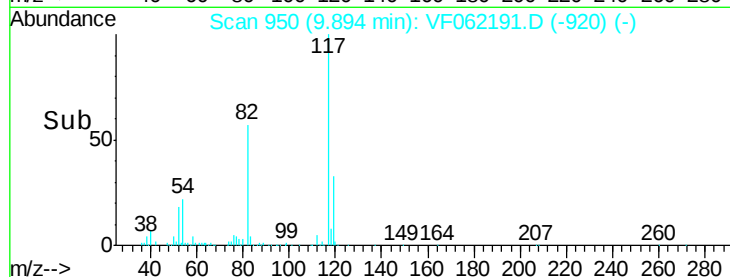
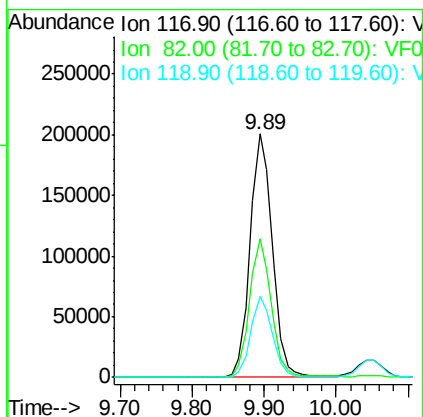
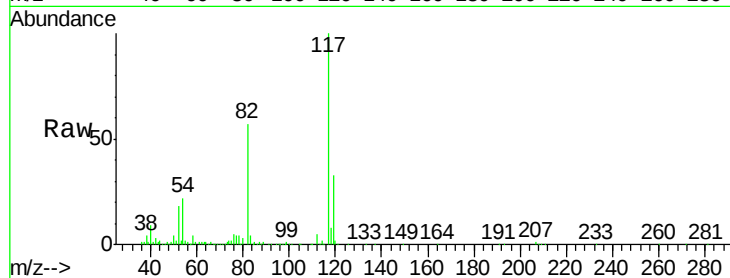
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	43.2	64.8
119	33.4	26.2	39.4

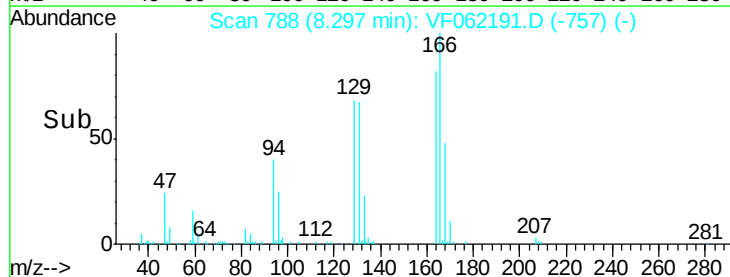
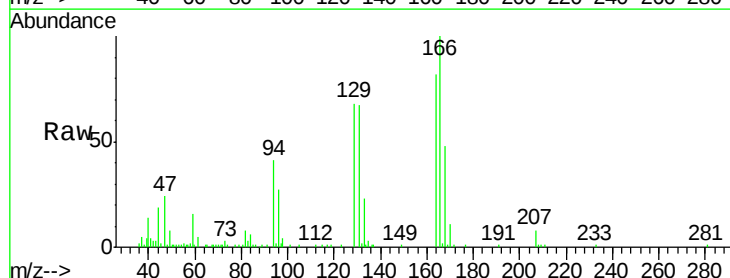
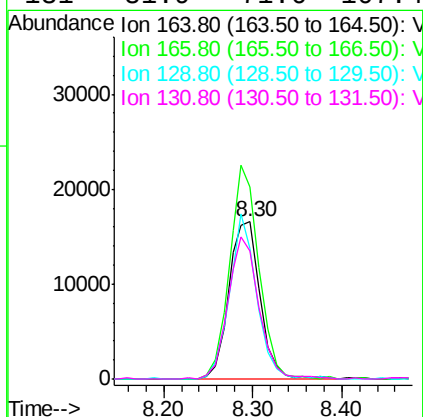
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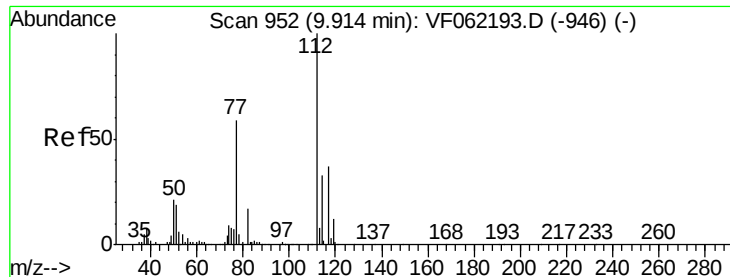
MMDadoda
4/19/2019 10:53:10 AM



#64
Tetrachloroethene
Concen: 11.788 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	104.7	157.1
129	83.2	72.6	109.0
131	81.9	71.6	107.4





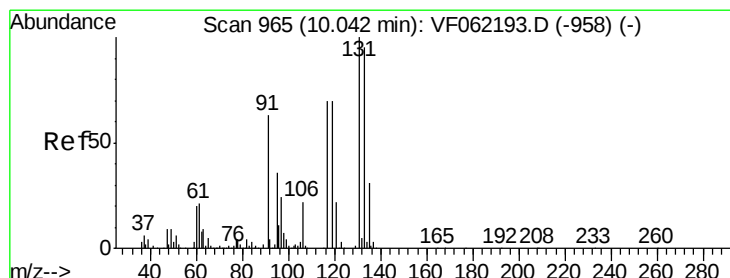
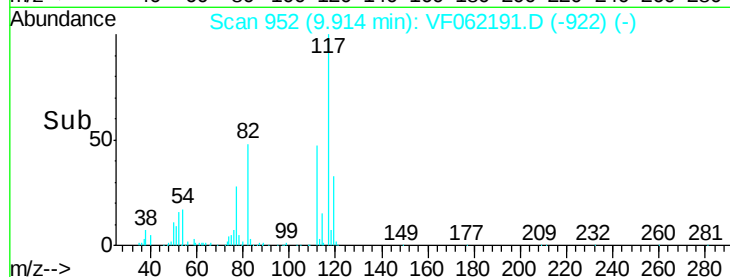
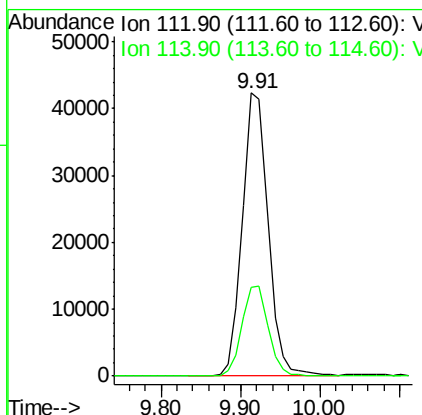
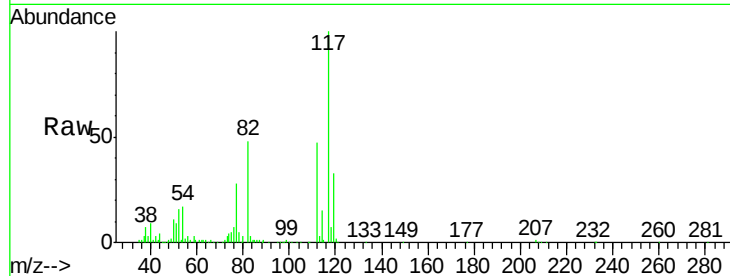
#65
Chlorobenzene
Concen: 10.096 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 95175
Ion Ratio Lower Upper
112 100
114 31.2 26.1 39.1

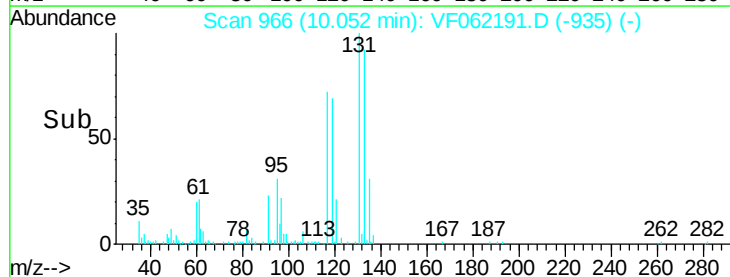
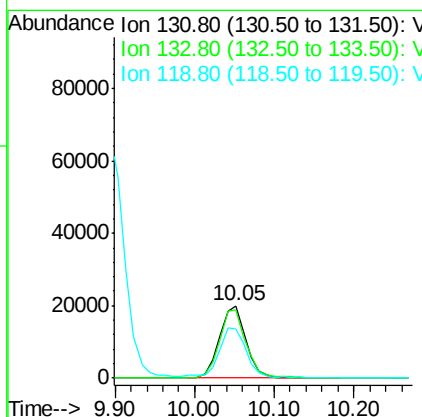
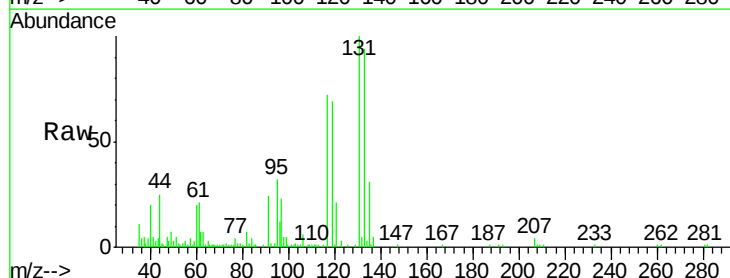
Manual Integrations
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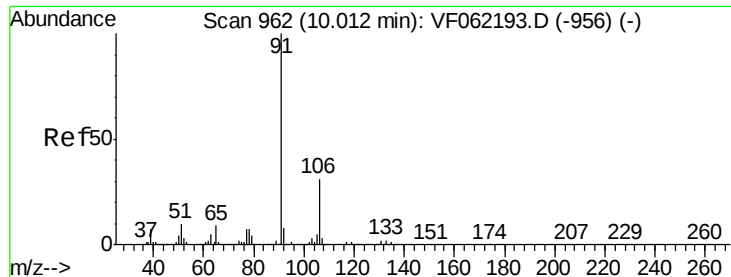
MMDadoda
4/19/2019 10:53:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 13.513 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion:131 Resp: 46709
Ion Ratio Lower Upper
131 100
133 94.0 47.7 143.1
119 70.8 34.6 103.9





#67

Ethyl Benzene

Concen: 10.026 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 170177

Ion Ratio Lower Upper

91 100

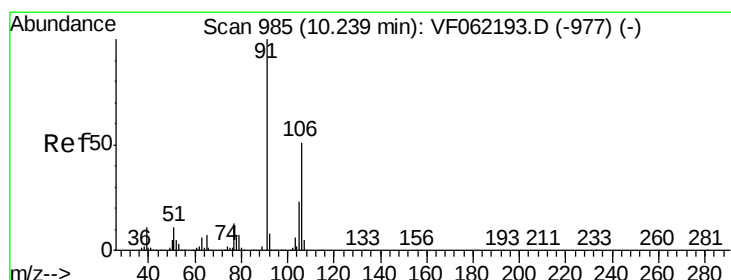
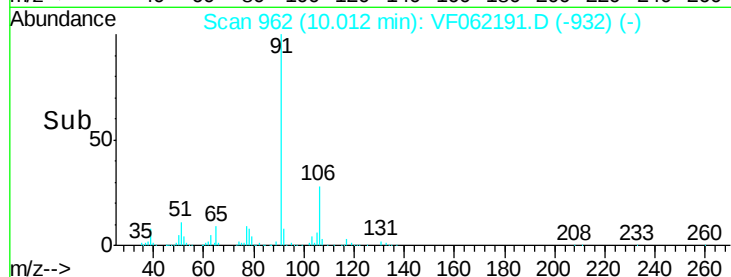
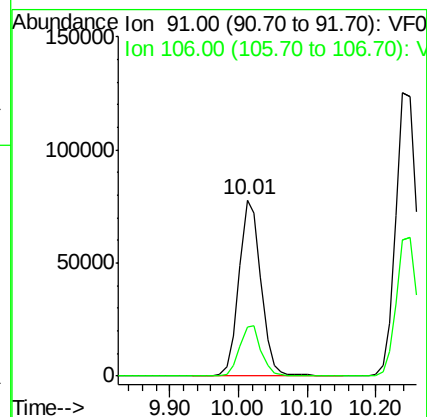
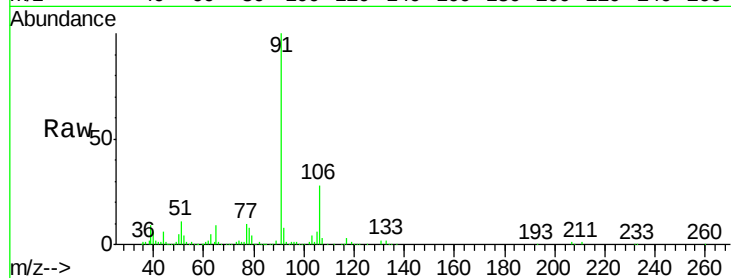
106 28.1 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 21.276 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VF062191.D

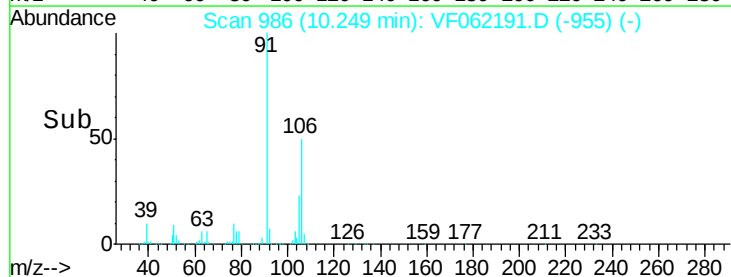
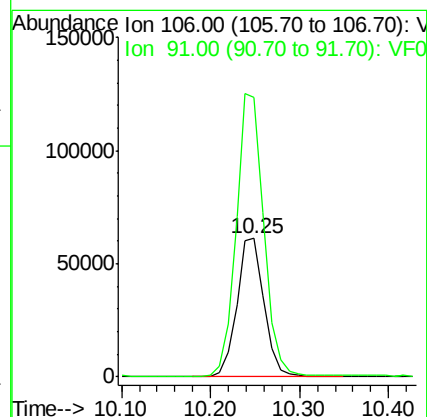
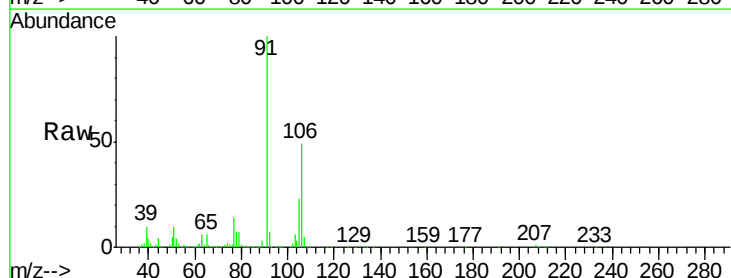
Acq: 17 Apr 2019 17:40

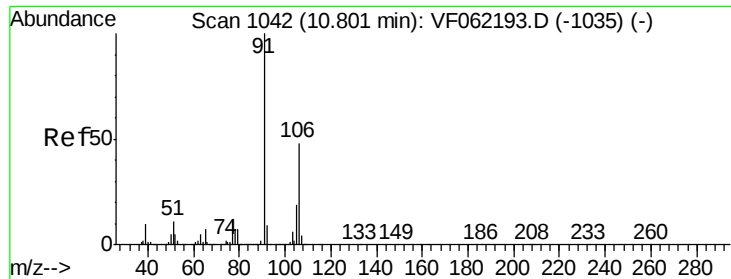
Tgt Ion:106 Resp: 131398

Ion Ratio Lower Upper

106 100

91 205.9 159.1 238.7





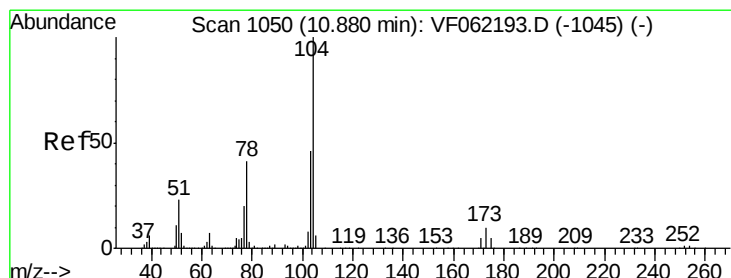
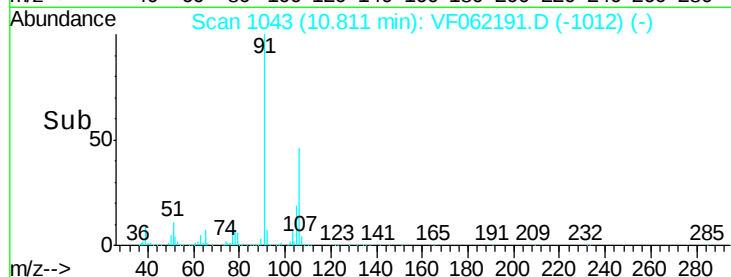
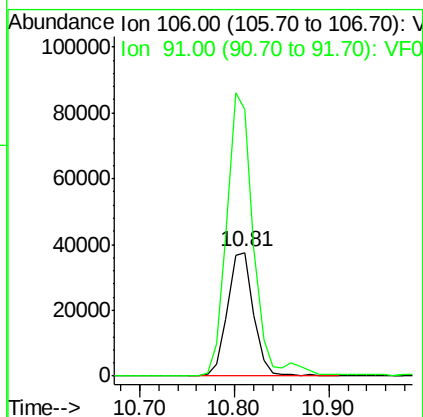
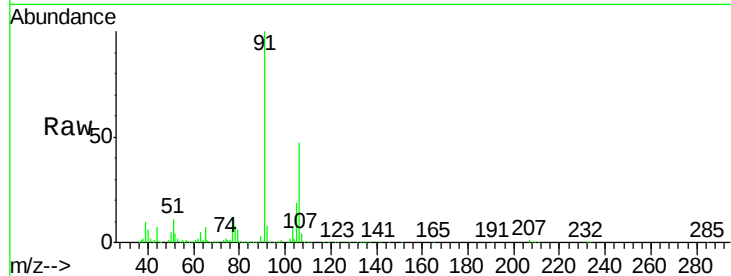
#69
o-Xylene
Concen: 11.673 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	223.5	107.5	322.4

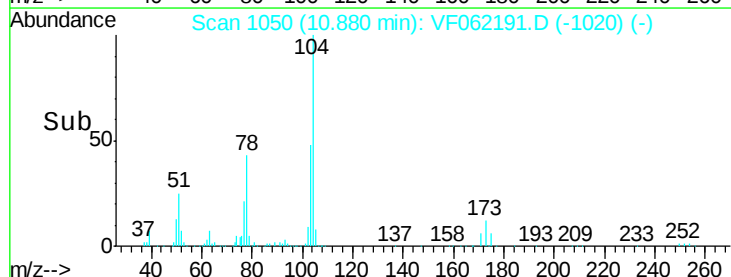
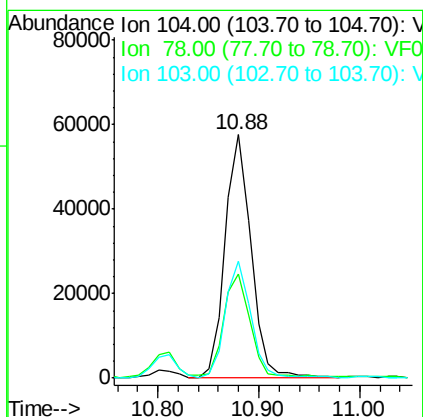
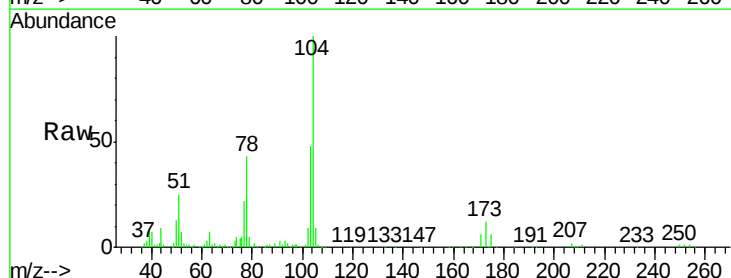
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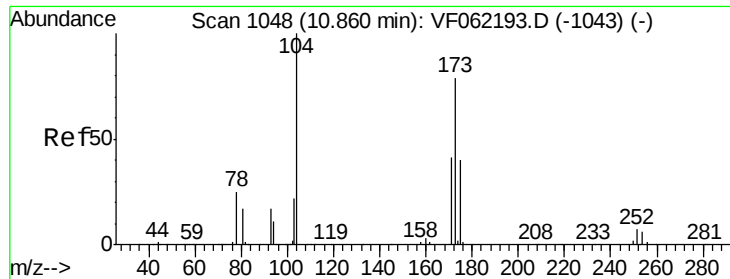
MMDadoda
4/19/2019 10:53:10 AM



#70
Styrene
Concen: 10.039 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	42.7	34.5	51.7
103	103	48.0	37.2	55.8





#71

Bromoform

Concen: 9.480 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

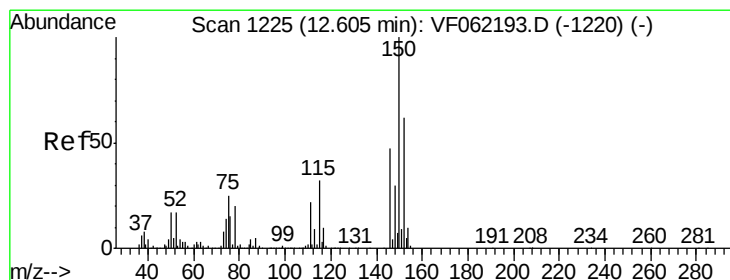
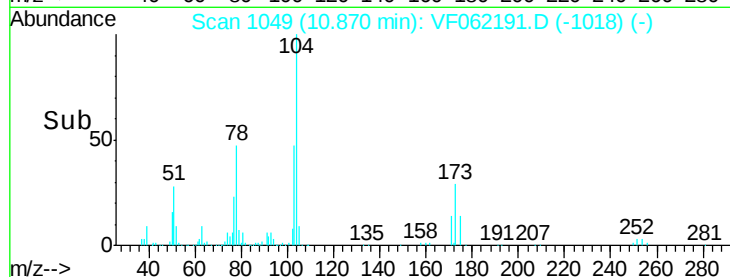
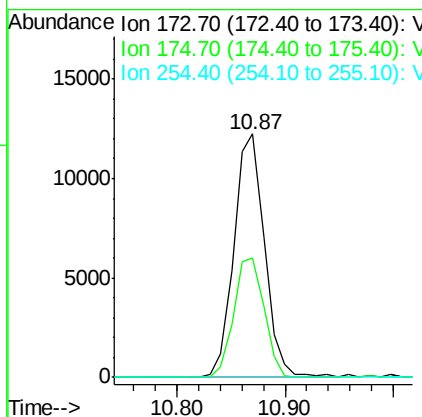
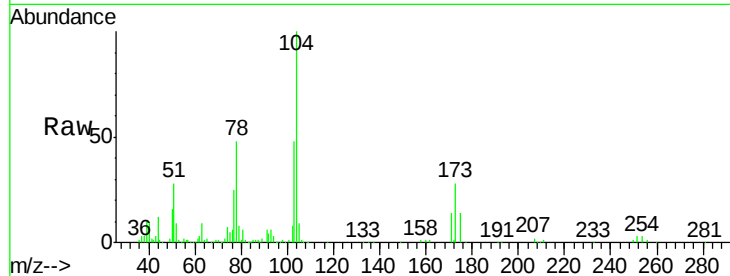
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

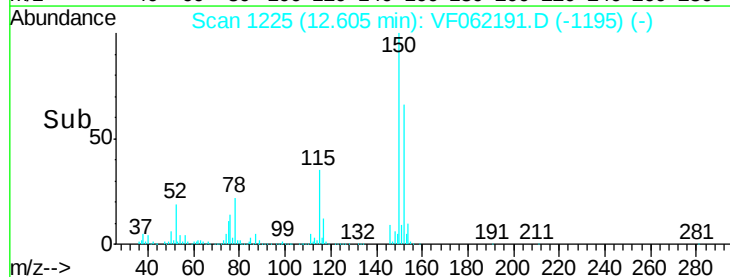
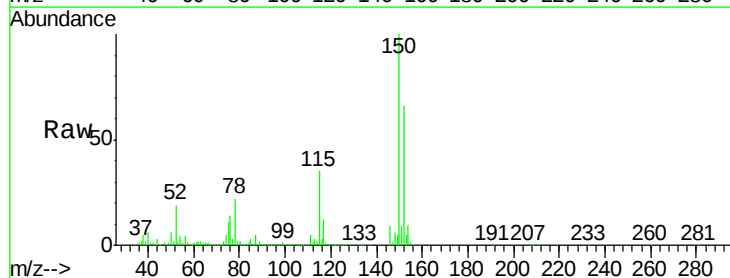
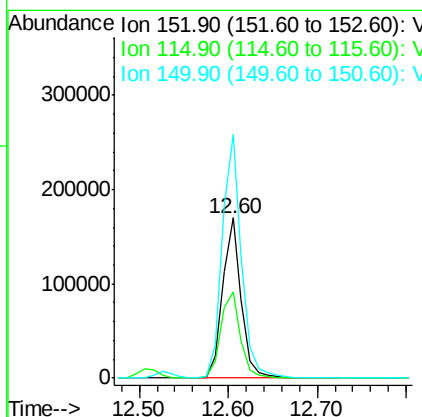
RT: 12.60 min Scan# 1225

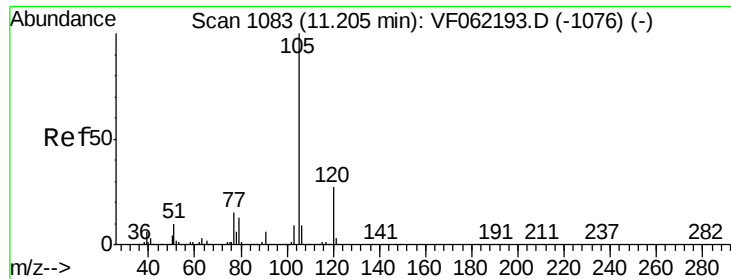
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.3
150	157.3	0.0	341.8





#73

Isopropylbenzene

Concen: 11.363 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 222251

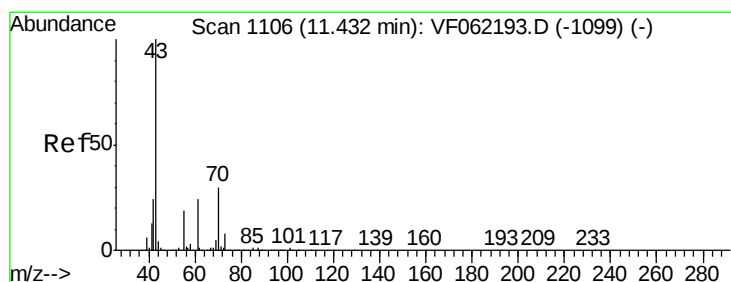
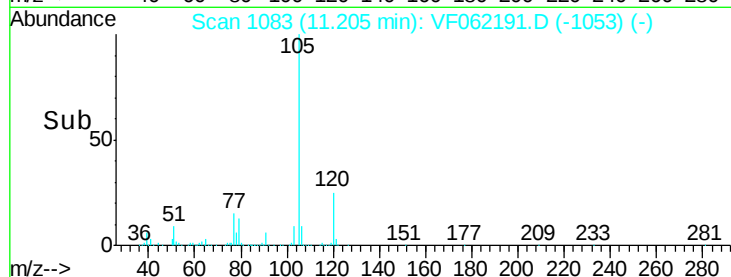
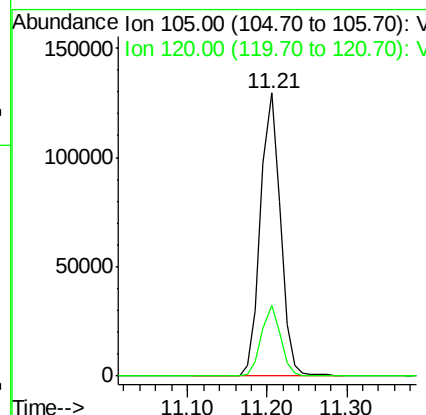
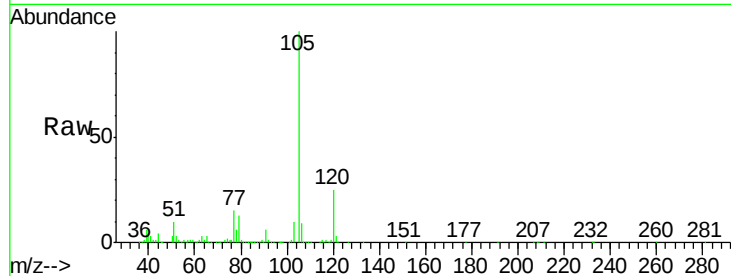
Ion Ratio Lower Upper

105 100

120 24.1 13.0 38.9

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#74

N-ethyl acetate

Concen: 5.980 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion: 43 Resp: 59614

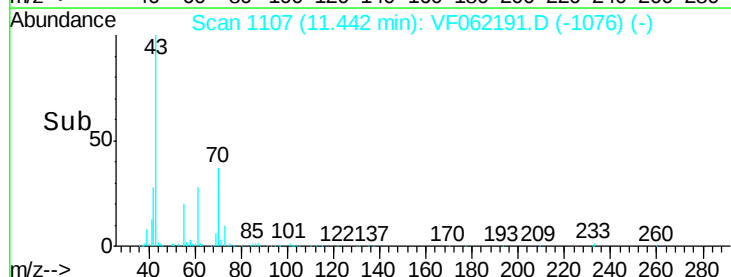
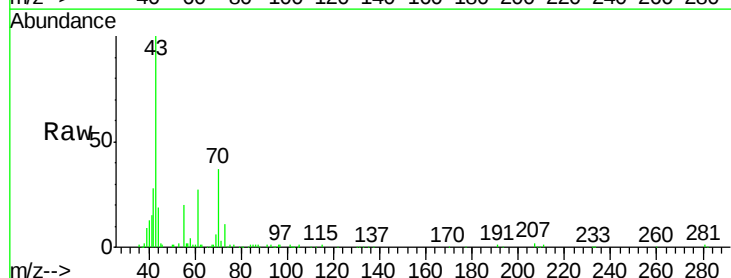
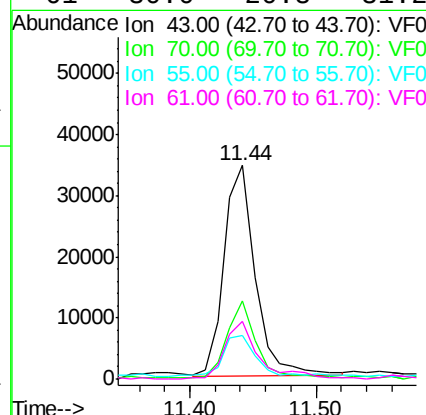
Ion Ratio Lower Upper

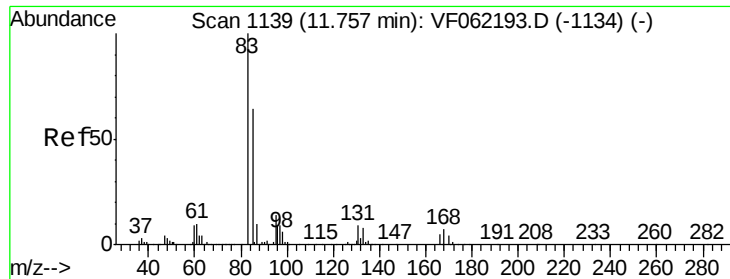
43 100

70 34.0 27.0 40.4

55 22.9 15.7 23.5

61 30.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.651 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

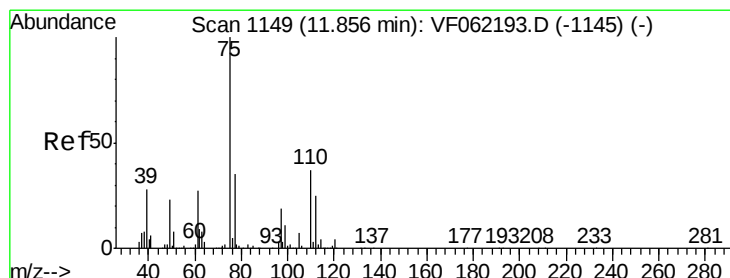
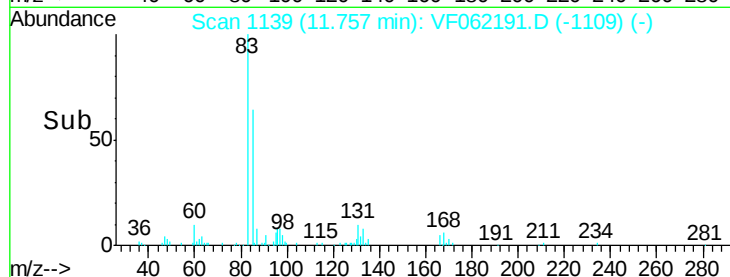
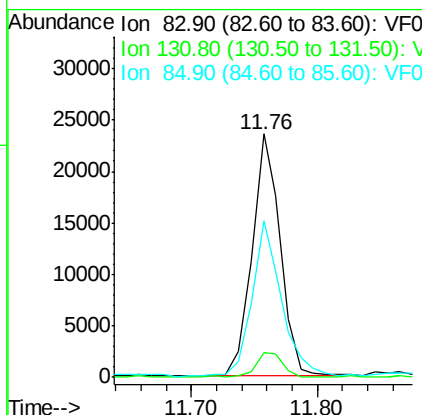
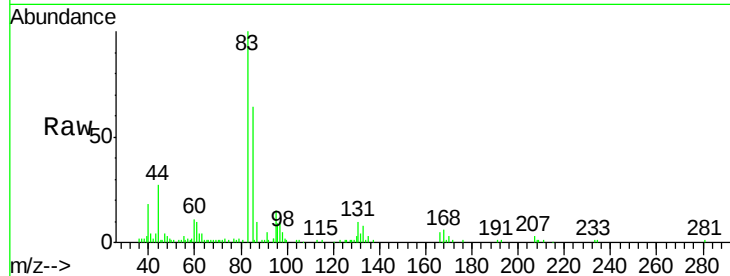
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	36539
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.5	13.5
85	70.1	34.7	104.1

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#76

1,2,3-Trichloropropane

Concen: 4.568 ug/l

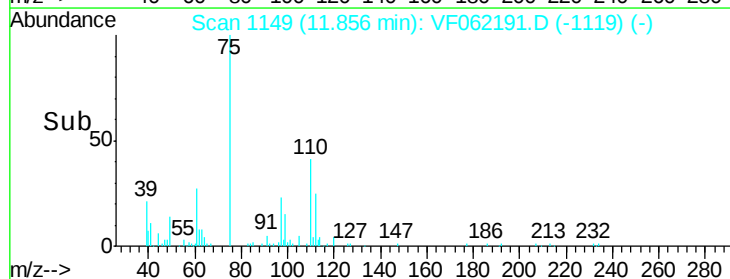
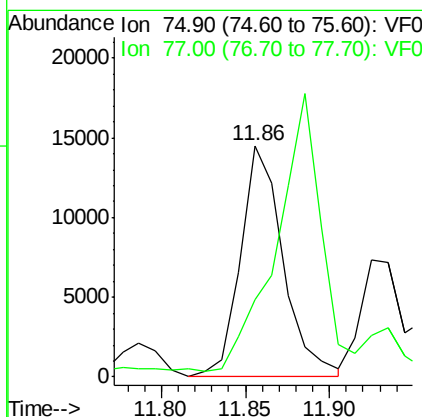
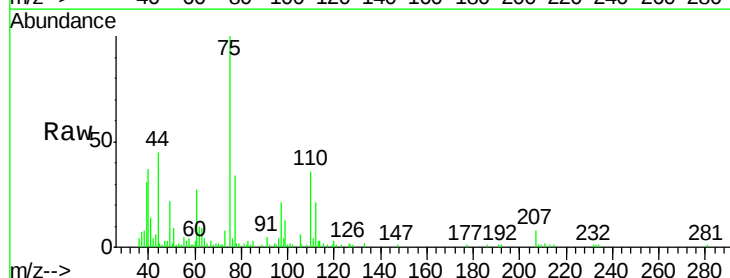
RT: 11.86 min Scan# 1149

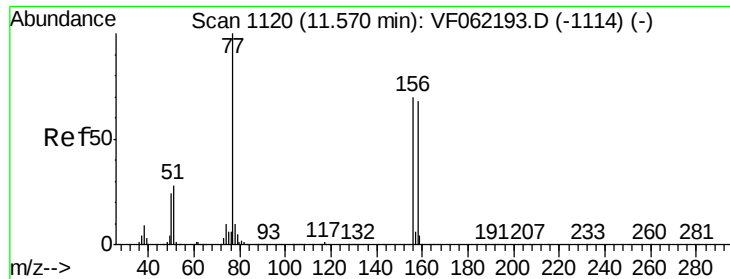
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	75	Resp:	25520
Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2#





#77

Bromobenzene

Concen: 9.217 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

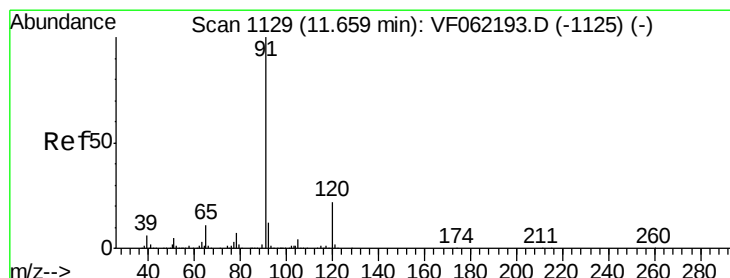
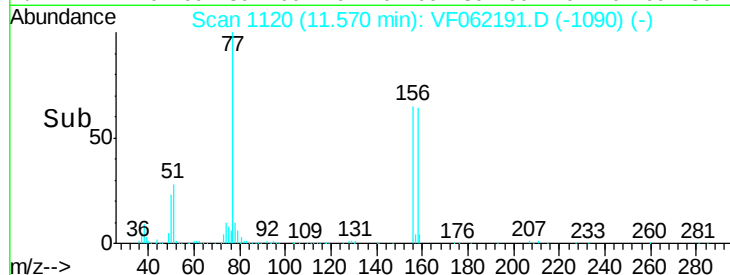
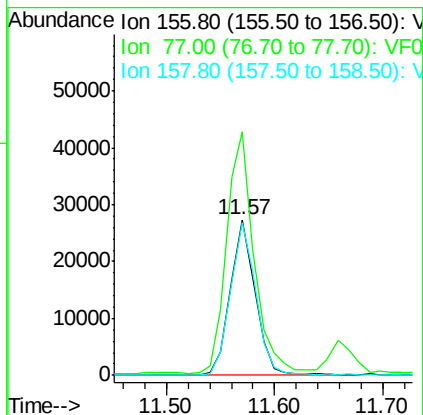
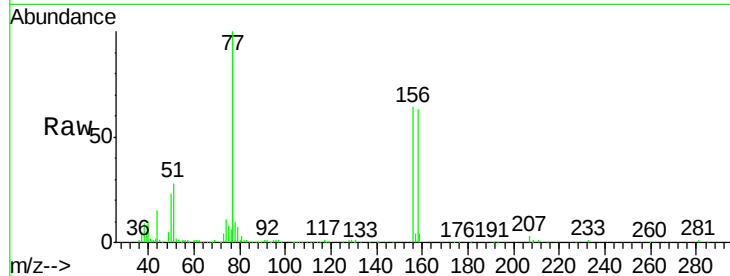
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.4	80.9	242.7
158	100.1	49.8	149.4

Manual Integrations
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MMDadoda
4/19/2019 10:53:10 AM



#78

n-propylbenzene

Concen: 10.706 ug/l

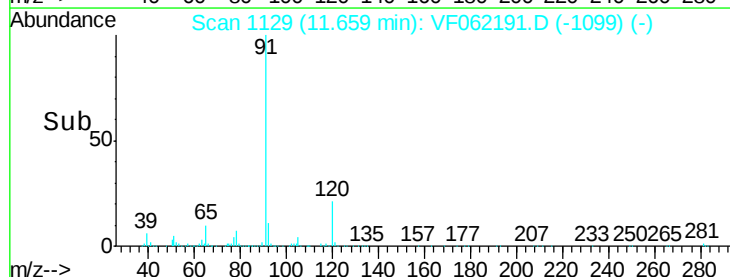
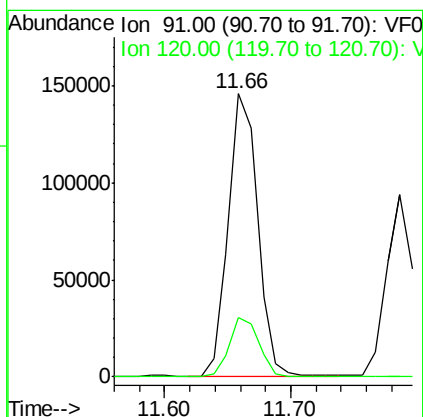
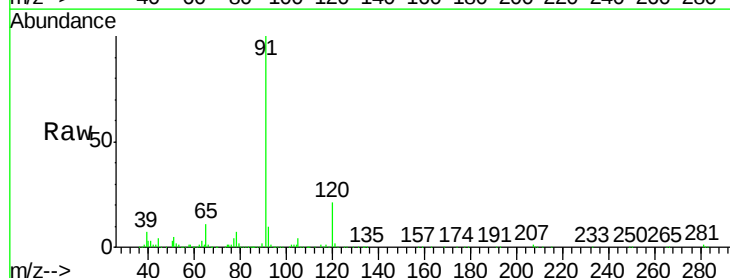
RT: 11.66 min Scan# 1129

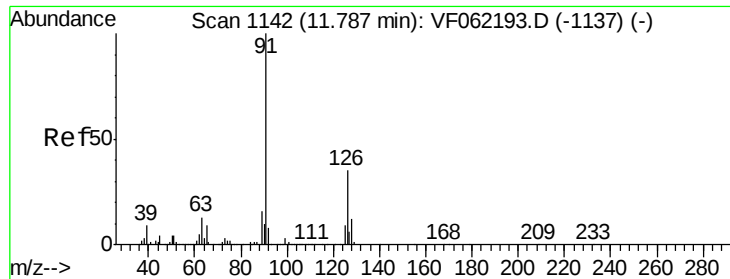
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 10.626 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 141524

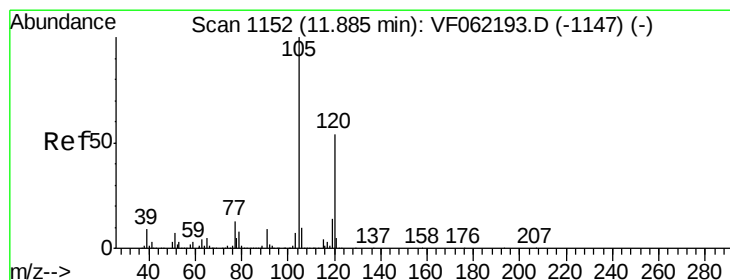
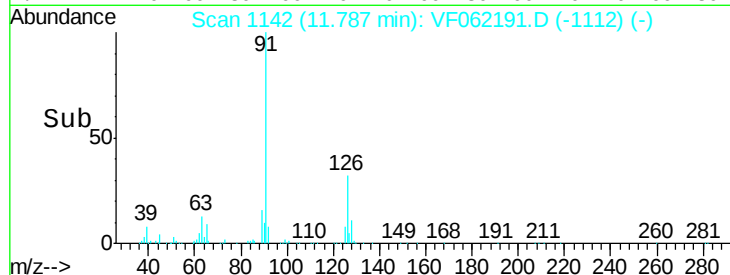
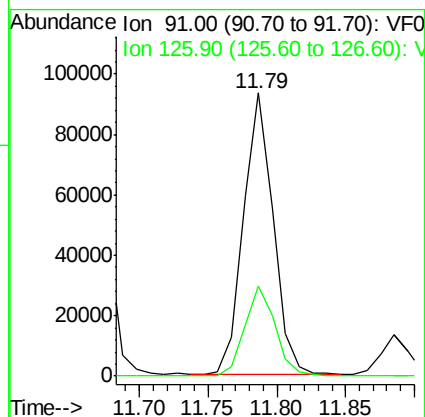
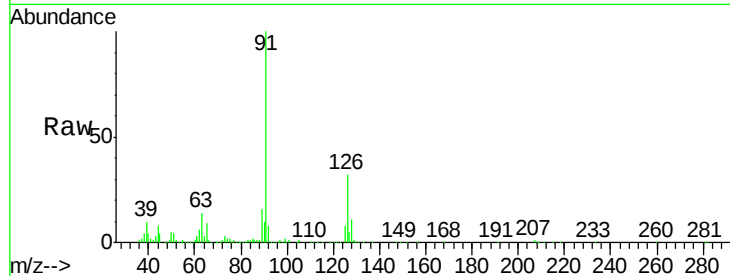
Ion Ratio Lower Upper

91 100

126 33.0 16.9 50.6

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 11.261 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062191.D

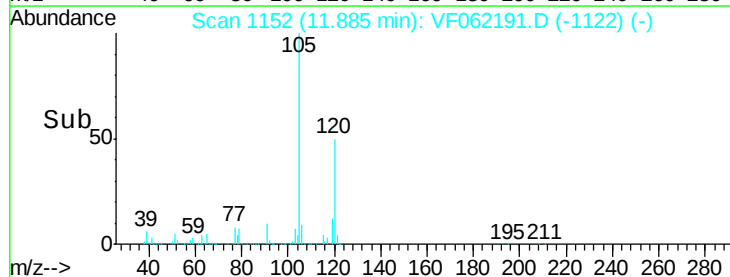
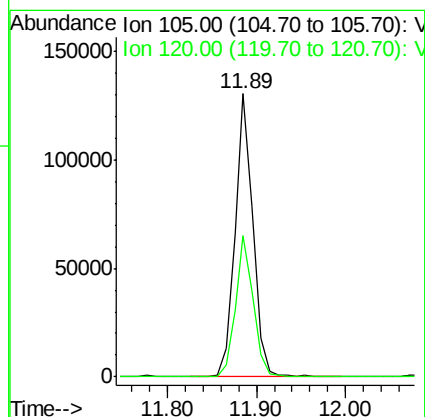
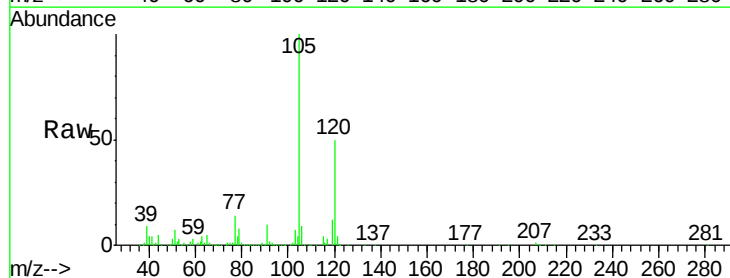
Acq: 17 Apr 2019 17:40

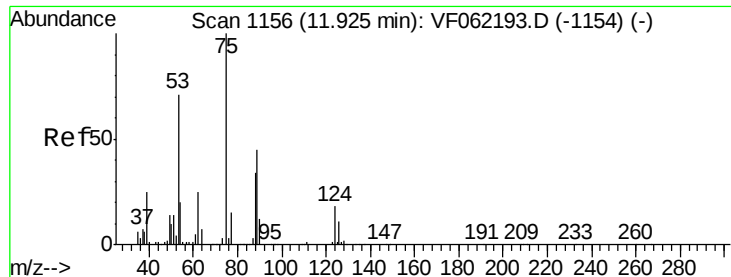
Tgt Ion: 105 Resp: 184080

Ion Ratio Lower Upper

105 100

120 50.0 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 5.320 ug/l m

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

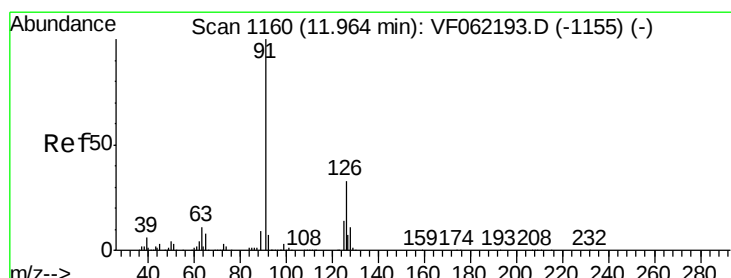
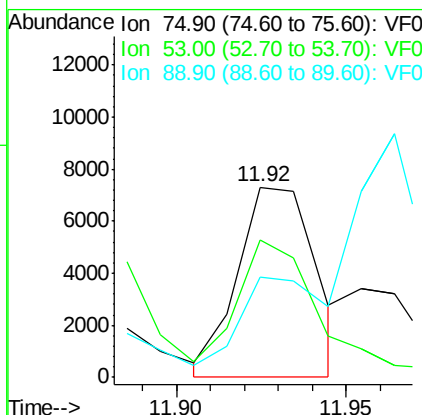
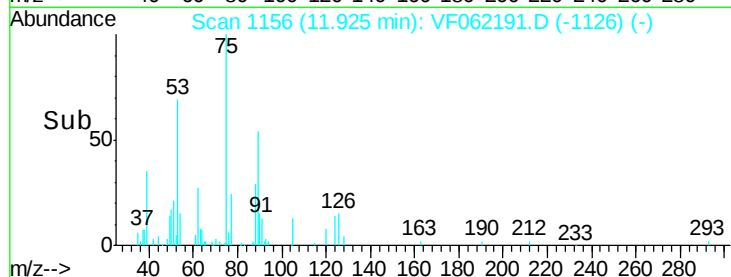
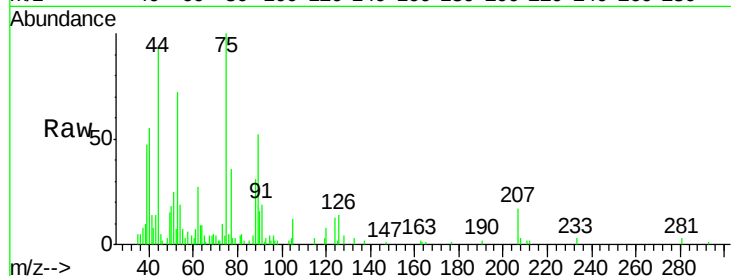
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	11634
Ion	Ratio	Lower	Upper
75	100		
53	74.2	50.2	75.4
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 9.010 ug/l

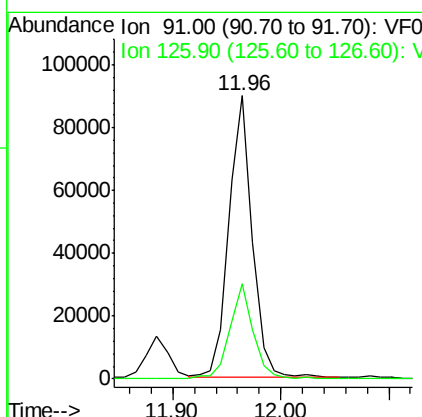
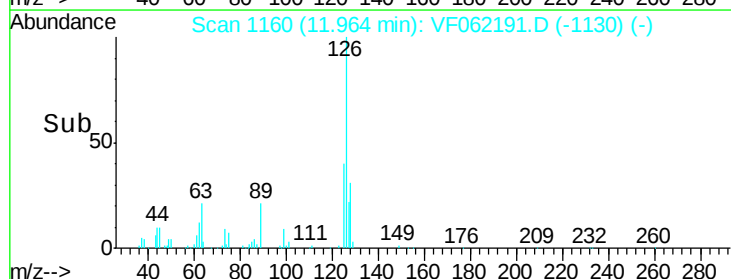
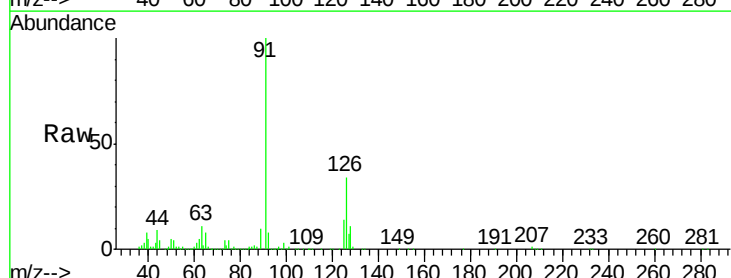
RT: 11.96 min Scan# 1160

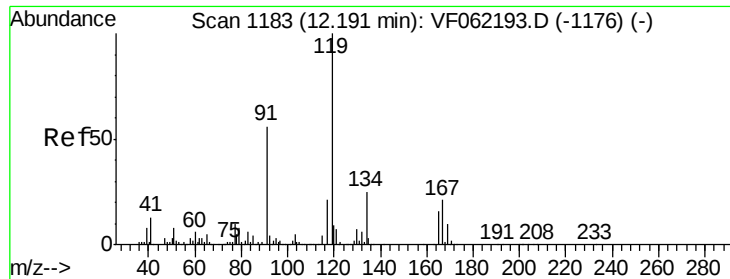
Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Tgt Ion:	91	Resp:	134926
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.9	50.6





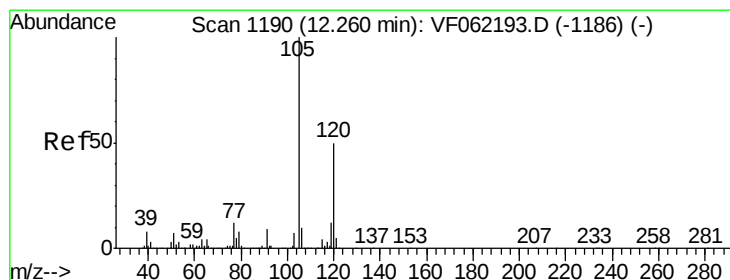
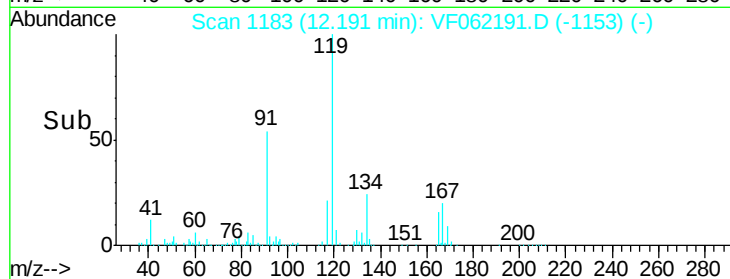
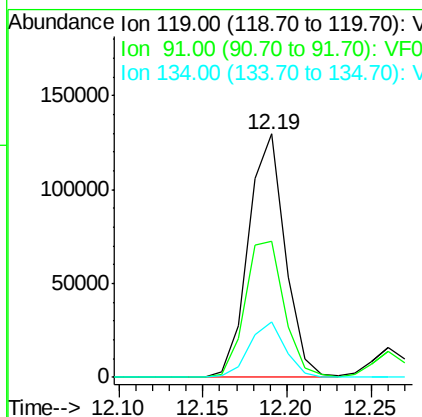
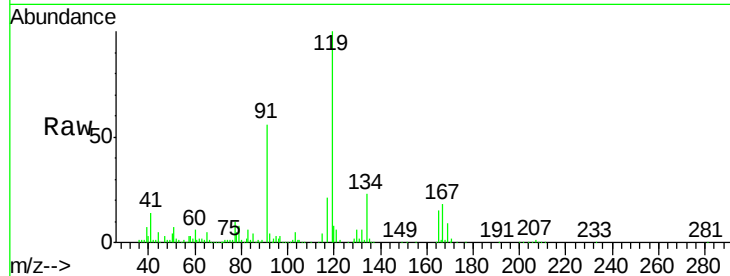
#83
tert-Butylbenzene
Concen: 12.262 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195733		
91	59.6		29.4	88.2
134	22.5		11.8	35.3

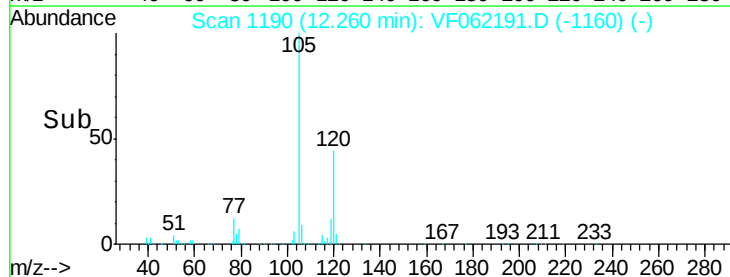
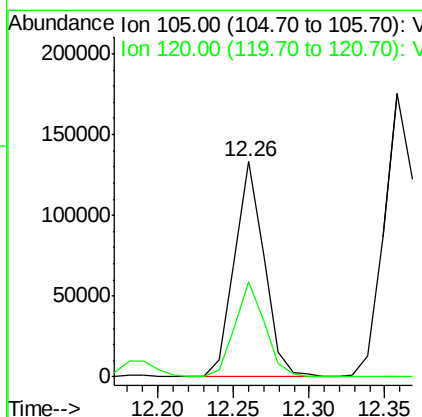
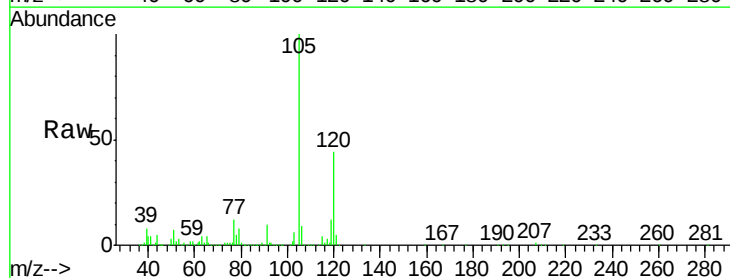
Manual Integrations
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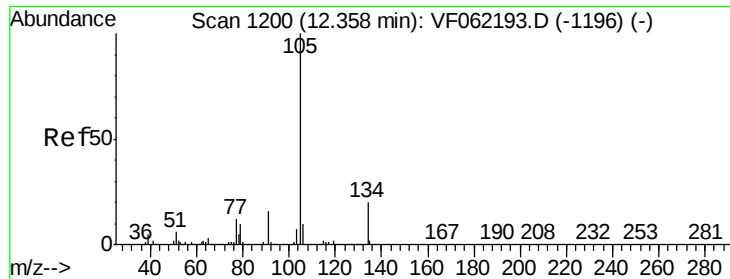
MMDadoda
4/19/2019 10:53:10 AM



#84
1,2,4-Trimethylbenzene
Concen: 11.019 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181164		
120	44.5		24.0	72.0





#85

sec-Butylbenzene

Concen: 13.161 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 254504

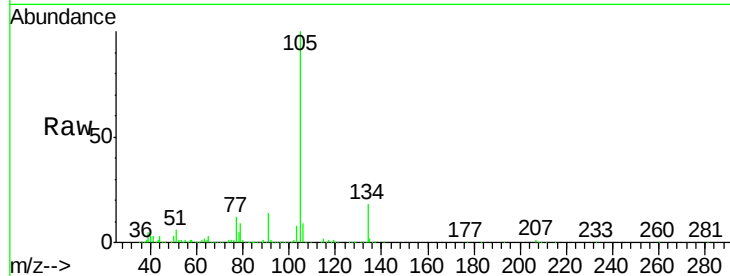
Ion Ratio Lower Upper

105 100

134 18.0 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.36

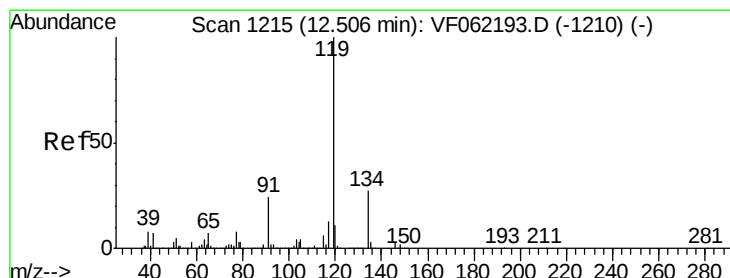
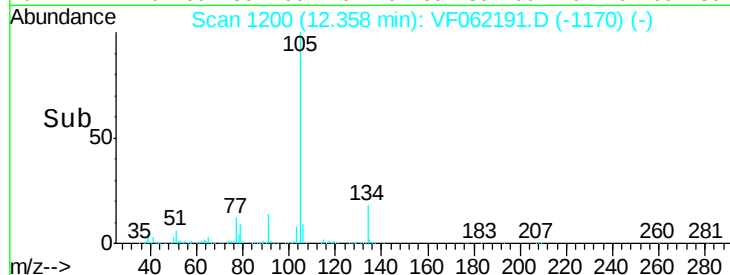
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 12.361 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VF062191.D

Acq: 17 Apr 2019 17:40

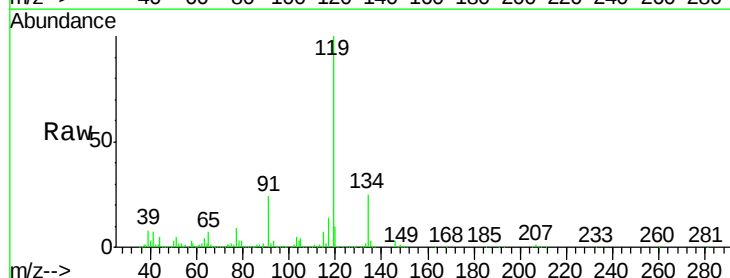
Tgt Ion:119 Resp: 215653

Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.5

91 22.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.51

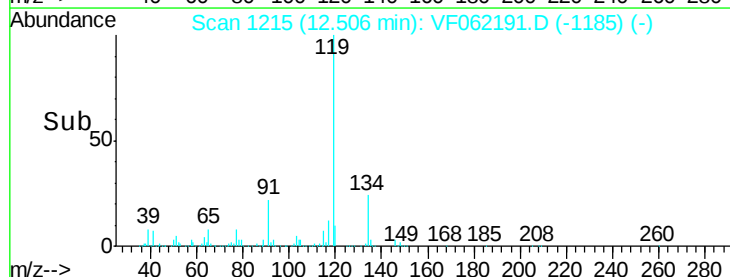
150000

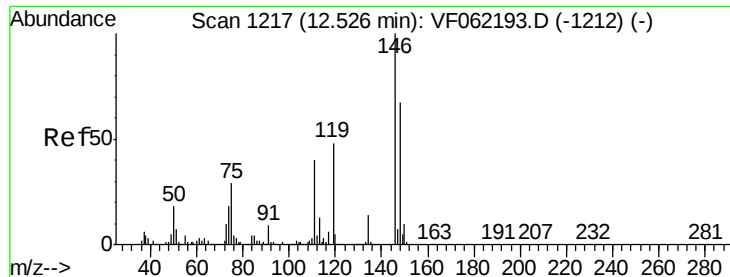
100000

50000

0

Time-->





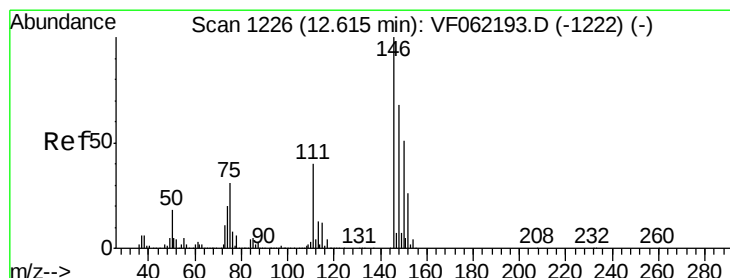
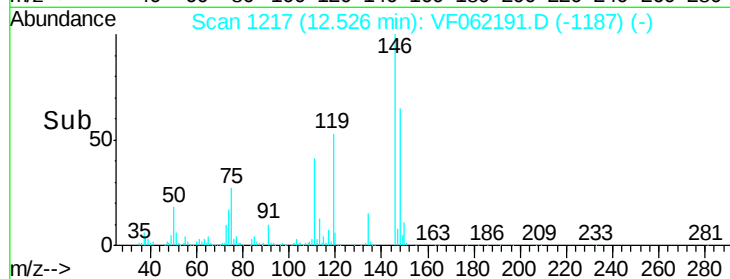
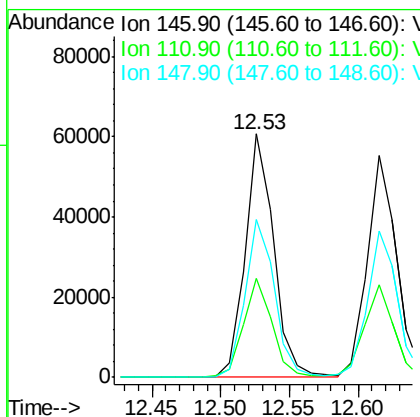
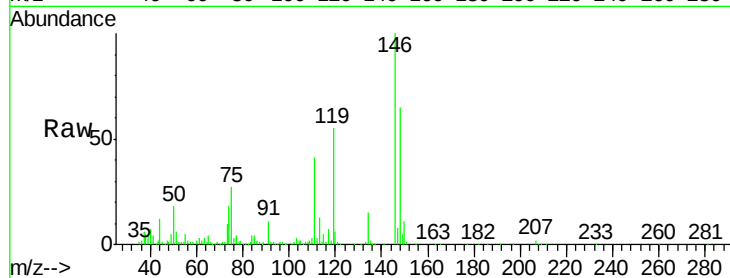
#87
 1,3-Dichlorobenzene
 Concen: 10.476 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.0
148	66.8	32.9	98.6

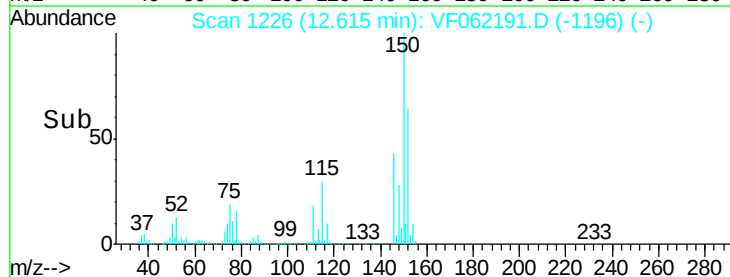
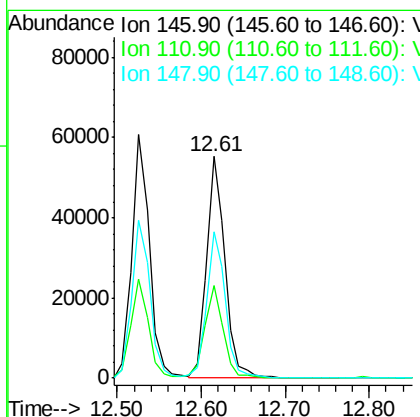
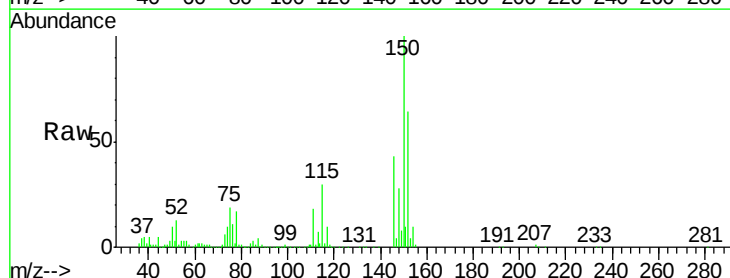
Manual Integrations
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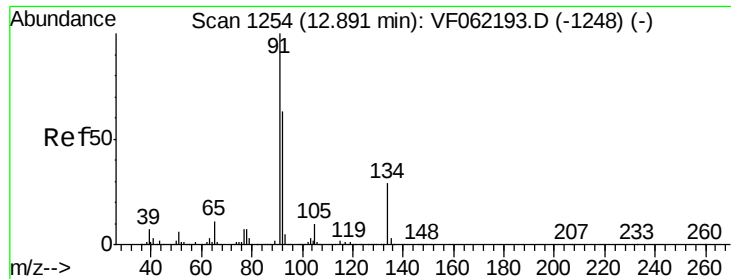
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 9.827 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.0	60.0
148	67.0	33.6	100.8





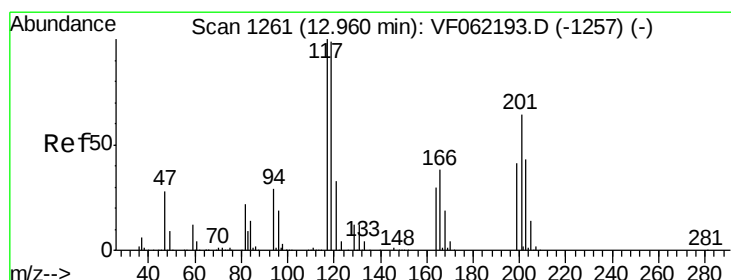
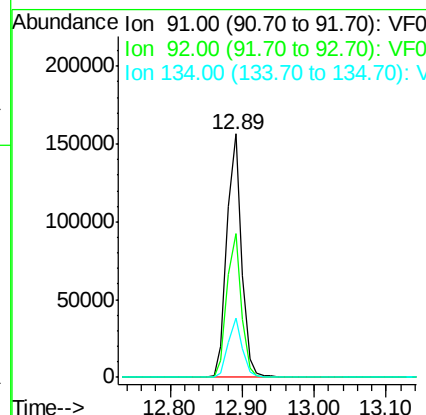
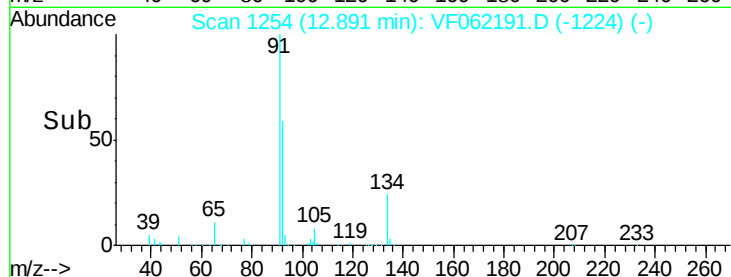
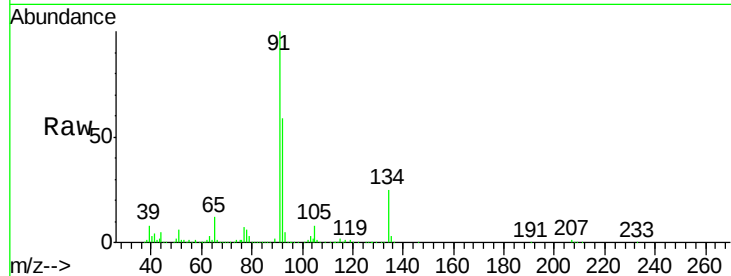
#89
n-Butylbenzene
Concen: 13.572 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	217397		
92	59.1		31.2	93.6
134	23.7		13.1	39.1

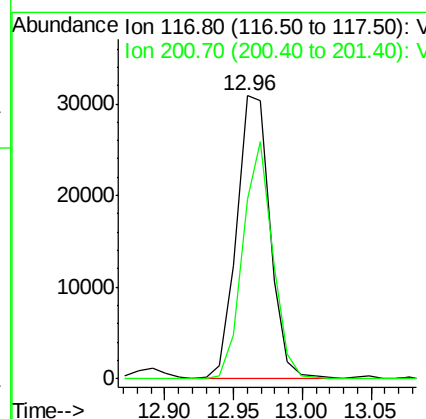
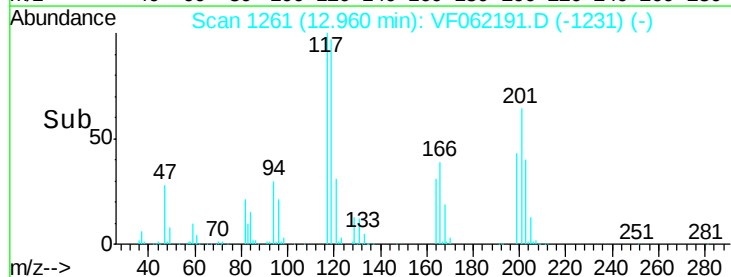
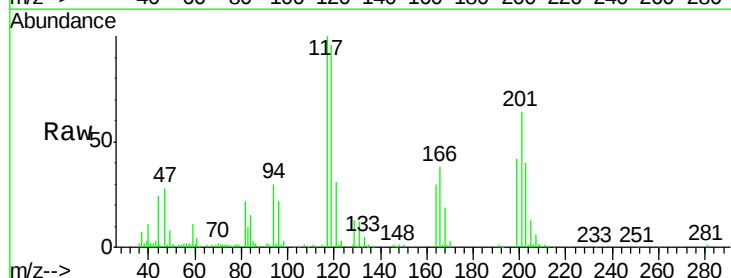
Manual Integrations
APPROVED

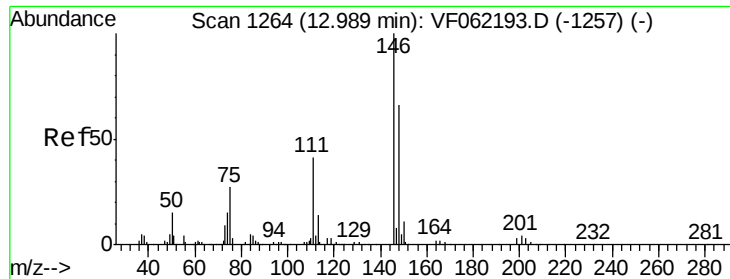
MMDadoda
4/19/2019 10:53:10 AM



#90
Hexachloroethane
Concen: 16.376 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52386		
201	74.6		37.7	113.1





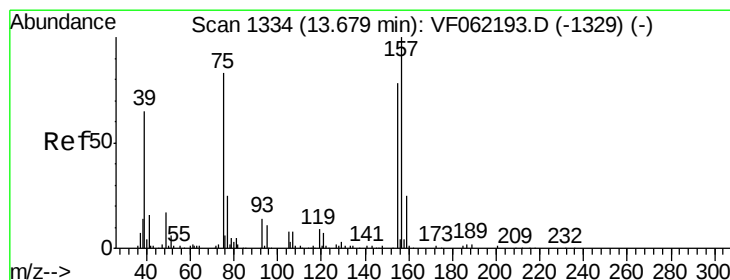
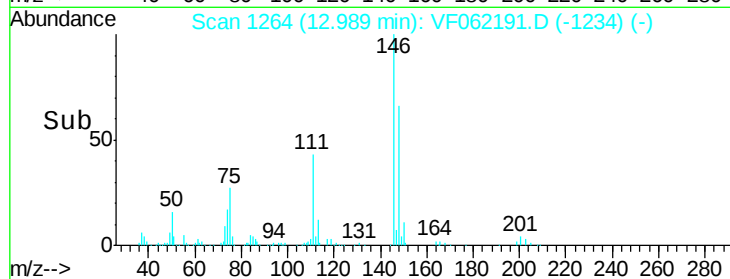
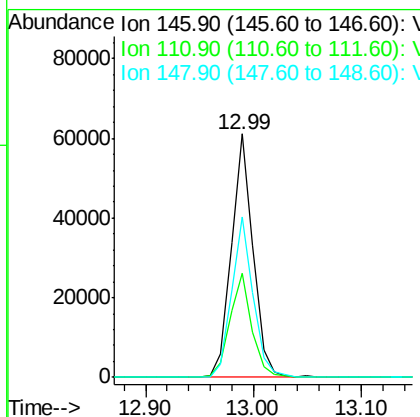
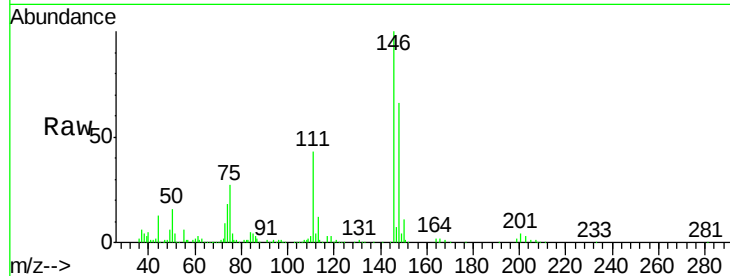
#91
 1,2-Dichlorobenzene
 Concen: 10.230 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.8	62.5
148	66.3	33.0	99.0

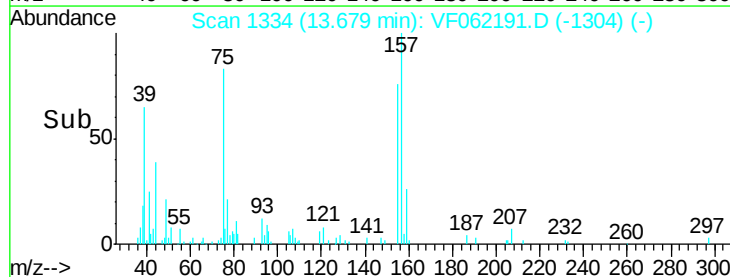
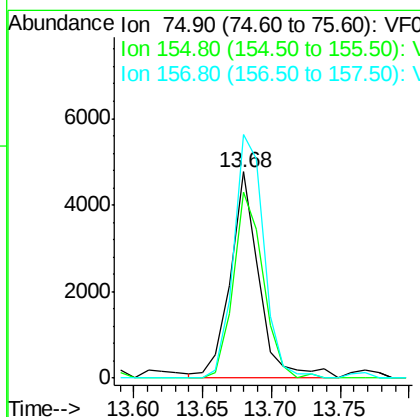
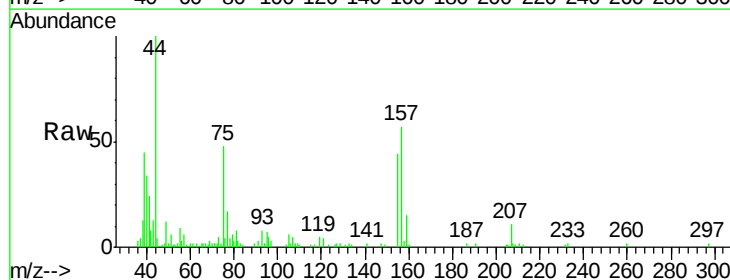
Manual Integrations
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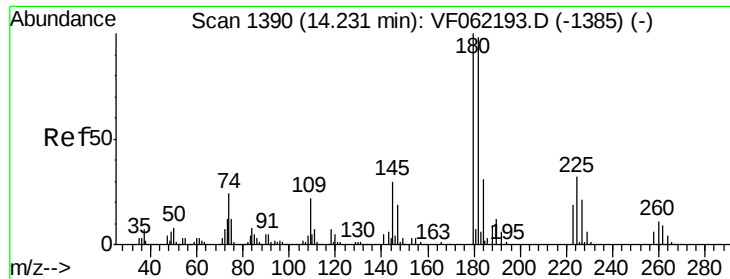
MMDadoda
 4/19/2019 10:53:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.749 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	47.6	142.8
157	124.8	61.3	183.9





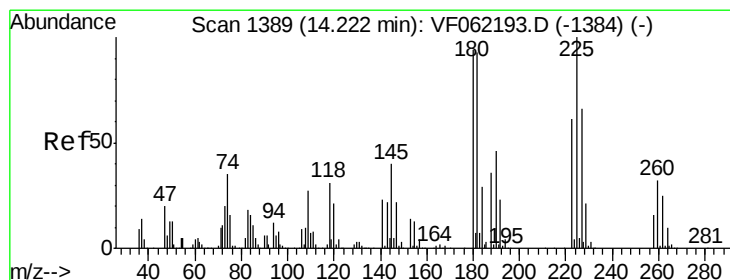
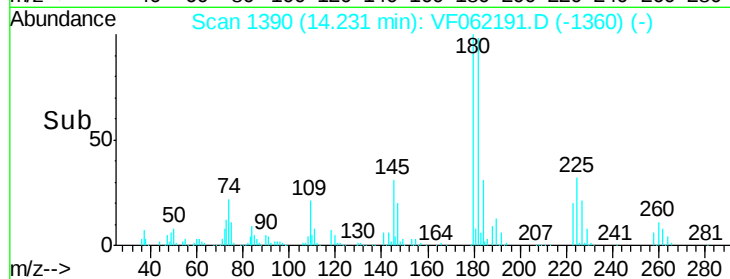
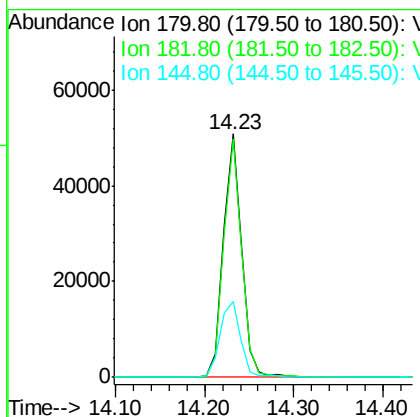
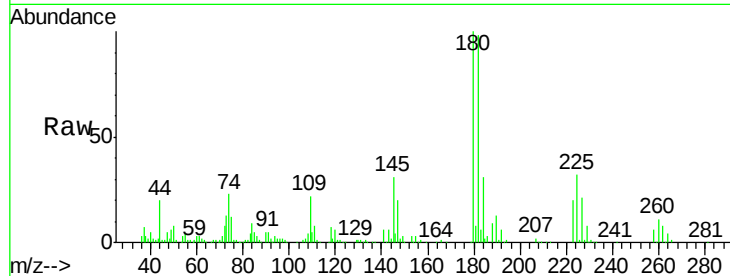
#93
 1,2,4-Trichlorobenzene
 Concen: 12.106 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.3	147.9
145	34.6	18.1	54.4

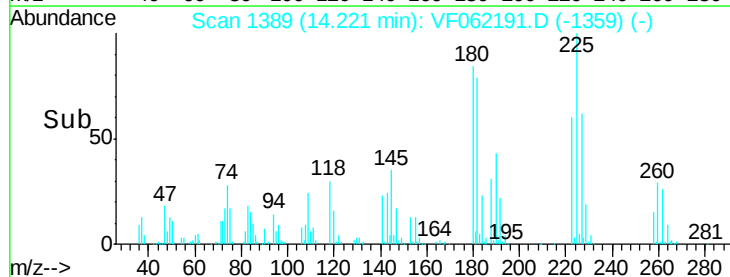
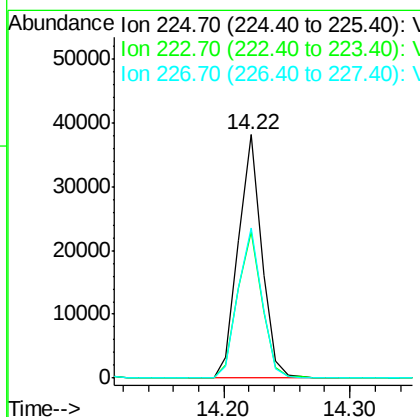
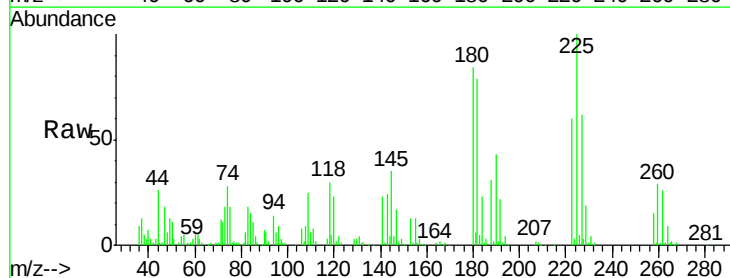
Manual Integrations
 APPROVED

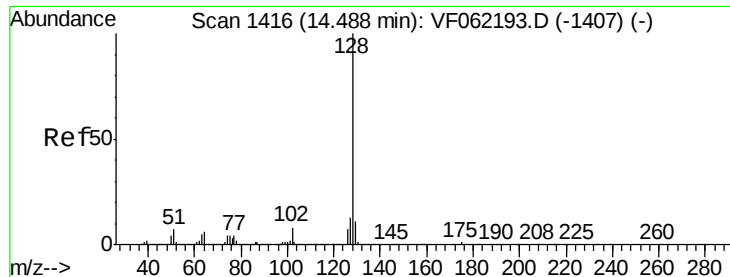
MMDadoda
 4/19/2019 10:53:10 AM



#94
 Hexachlorobutadiene
 Concen: 14.803 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062191.D
 Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.0	93.0
227	63.5	32.4	97.0





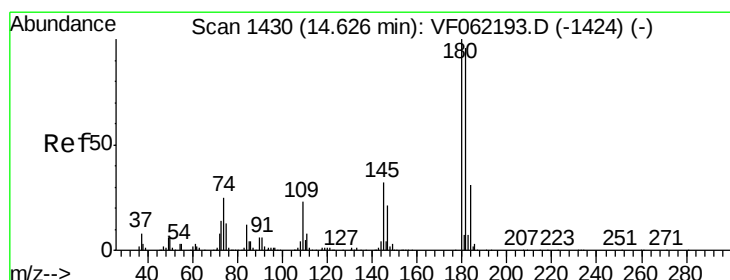
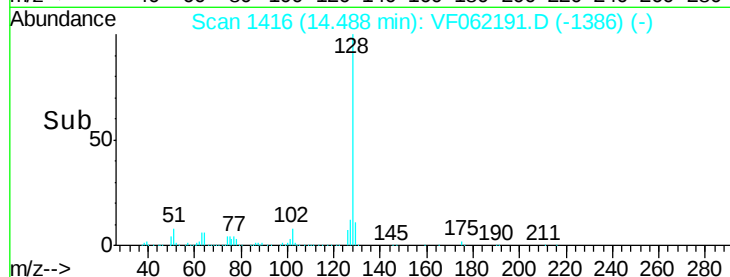
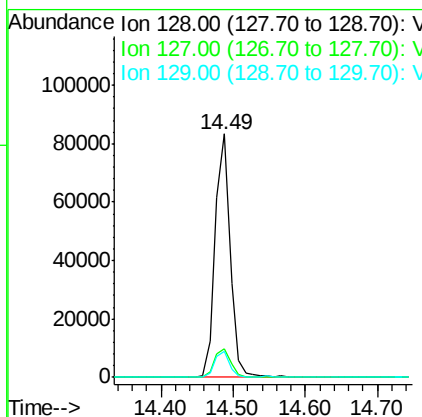
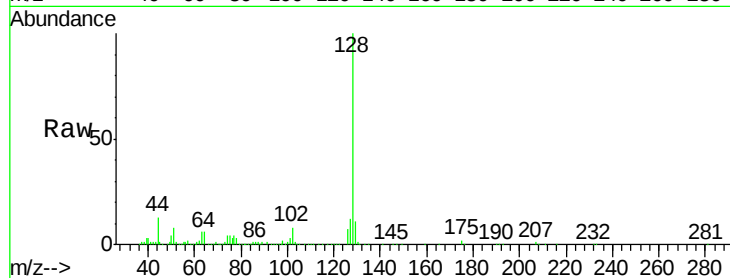
#95
Naphthalene
Concen: 6.609 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	119592		
127	12.6		10.4	15.6
129	10.8		9.2	13.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 10:53:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.998 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.00 min
Lab File: VF062191.D
Acq: 17 Apr 2019 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67136		
182	94.3		48.4	145.3
145	32.2		15.6	46.8

