

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062823.D
 Acq On : 3 Jun 2019 12:36
 Operator : FY/SY
 Sample : VF0603SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:15:44 PM

Quant Time: Jun 04 09:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	947086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1585277	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1217285	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	640906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	341175	52.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	4.32	113	623589	52.06	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	7.72	98	1569001	51.79	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.50	95	597597	54.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	250881	20.906	ug/l	100
3) Chloromethane	1.15	50	202007	20.614	ug/l	98
4) Vinyl Chloride	1.20	62	187782	19.283	ug/l	96
5) Bromomethane	1.40	94	105304	18.961	ug/l	92
6) Chloroethane	1.44	64	63670	17.487	ug/l #	87
7) Trichlorofluoromethane	1.56	101	284038	20.603	ug/l	89
8) Diethyl Ether	1.72	74	49043	18.082	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.91	101	166274	19.184	ug/l	93
10) Methyl Iodide	1.98	142	333465	19.188	ug/l	93
11) Tert butyl alcohol	2.70	59	41347	104.216	ug/l	95
12) 1,1-Dichloroethene	1.88	96	145045	18.429	ug/l	98
13) Acrolein	2.10	56	13247	77.949	ug/l	85
14) Allyl chloride	2.21	41	140982	23.090	ug/l	92
15) Acrylonitrile	3.10	53	100565	67.458	ug/l #	96
16) Acetone	2.35	43	132218	88.207	ug/l	97
17) Carbon Disulfide	1.91	76	437844	19.034	ug/l	99
18) Methyl Acetate	2.47	43	42736	16.315	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	291797	20.464	ug/l	98
20) Methylene Chloride	2.30	84	158942m	19.344	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	155158	19.662	ug/l	86
22) Diisopropyl ether	2.95	45	321771	18.549	ug/l	94
23) Vinyl Acetate	3.35	43	1205554	101.513	ug/l	99
24) 1,1-Dichloroethane	3.02	63	250841	19.367	ug/l	98
25) 2-Butanone	4.54	43	329082	94.273	ug/l	98
26) 2,2-Dichloropropane	3.79	77	179073	24.350	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	272484	20.542	ug/l	95
28) Bromochloromethane	3.92	49	133258	18.915	ug/l	99
29) Tetrahydrofuran	4.28	42	128308	96.103	ug/l	93
30) Chloroform	4.06	83	375059	20.547	ug/l	100
31) Cyclohexane	3.89	56	356788	20.347	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	250874	23.605	ug/l	98
36) 1,1-Dichloropropene	4.48	75	296944	20.347	ug/l	95
37) Ethyl Acetate	4.31	43	111615	20.007	ug/l #	83
38) Carbon Tetrachloride	4.19	117	226213	22.935	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	381957	21.029	ug/l	99
40) Benzene	4.83	78	864574	20.356	ug/l	98
41) Methacrylonitrile	4.94	41	60762	19.592	ug/l	94
42) 1,2-Dichloroethane	5.14	62	156087	19.322	ug/l	96
43) Isopropyl Acetate	7.12	43	149058	20.226	ug/l #	95
44) Trichloroethene	5.70	130	245258	20.460	ug/l	96
45) 1,2-Dichloropropane	6.42	63	222600	20.885	ug/l	97
46) Dibromomethane	6.27	93	132085	21.225	ug/l	96
47) Bromodichloromethane	6.56	83	250660	19.778	ug/l #	96
48) Methyl methacrylate	6.89	41	67992	17.902	ug/l	98
49) 1,4-Dioxane	6.88	88	20799	415.464	ug/l #	80
51) 4-Methyl-2-Pentanone	8.41	43	556945	105.854	ug/l	95
52) Toluene	7.79	92	467678	20.443	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	227494	21.662	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	307374	20.220	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	142251	20.814	ug/l	96
56) Ethyl methacrylate	8.77	69	155133	21.155	ug/l	98
57) 1,3-Dichloropropane	9.00	76	232069	20.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	270862	105.688	ug/l	98
59) 2-Hexanone	9.63	43	396877	105.829	ug/l	100
60) Dibromochloromethane	8.86	129	176579	20.869	ug/l	94
61) 1,2-Dibromoethane	9.14	107	147471	20.777	ug/l	99
64) Tetrachloroethene	8.31	164	191239	20.444	ug/l	97
65) Chlorobenzene	9.94	112	489123	20.807	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	189582	20.250	ug/l	98
67) Ethyl Benzene	10.04	91	840510	20.836	ug/l	99
68) m/p-Xylenes	10.26	106	615291	39.859	ug/l	84
69) o-Xylene	10.83	106	332051	21.246	ug/l	99
70) Styrene	10.89	104	499742	21.694	ug/l	99
71) Bromoform	10.88	173	94087	20.949	ug/l #	100
73) Isopropylbenzene	11.22	105	849721	19.001	ug/l	94
74) N-amyl acetate	11.45	43	228021	18.091	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.77	83	184769	19.348	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	124347	19.643	ug/l	87
77) Bromobenzene	11.58	156	215535	19.182	ug/l	89
78) n-propylbenzene	11.67	91	1078604	19.976	ug/l	93
79) 2-Chlorotoluene	11.80	91	593195	19.200	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	716206	19.584	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	52831m	19.713	ug/l	
82) 4-Chlorotoluene	11.98	91	621491	20.469	ug/l	100
83) tert-Butylbenzene	12.20	119	773506	21.345	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	739819	21.336	ug/l	97
85) sec-Butylbenzene	12.37	105	1018938	21.339	ug/l	98
86) p-Isopropyltoluene	12.52	119	846082	21.288	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	415822	20.984	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	380223	20.560	ug/l	98
89) n-Butylbenzene	12.90	91	864561	21.624	ug/l	88
90) Hexachloroethane	12.97	117	203262	20.968	ug/l	86
91) 1,2-Dichlorobenzene	13.00	146	366505	21.042	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21059	20.240	ug/l	94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	241396	20.185	ug/l	96
94) Hexachlorobutadiene	14.23	225	162864	19.685	ug/l	98
95) Naphthalene	14.49	128	369613	18.865	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	216137	19.799	ug/l	97

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

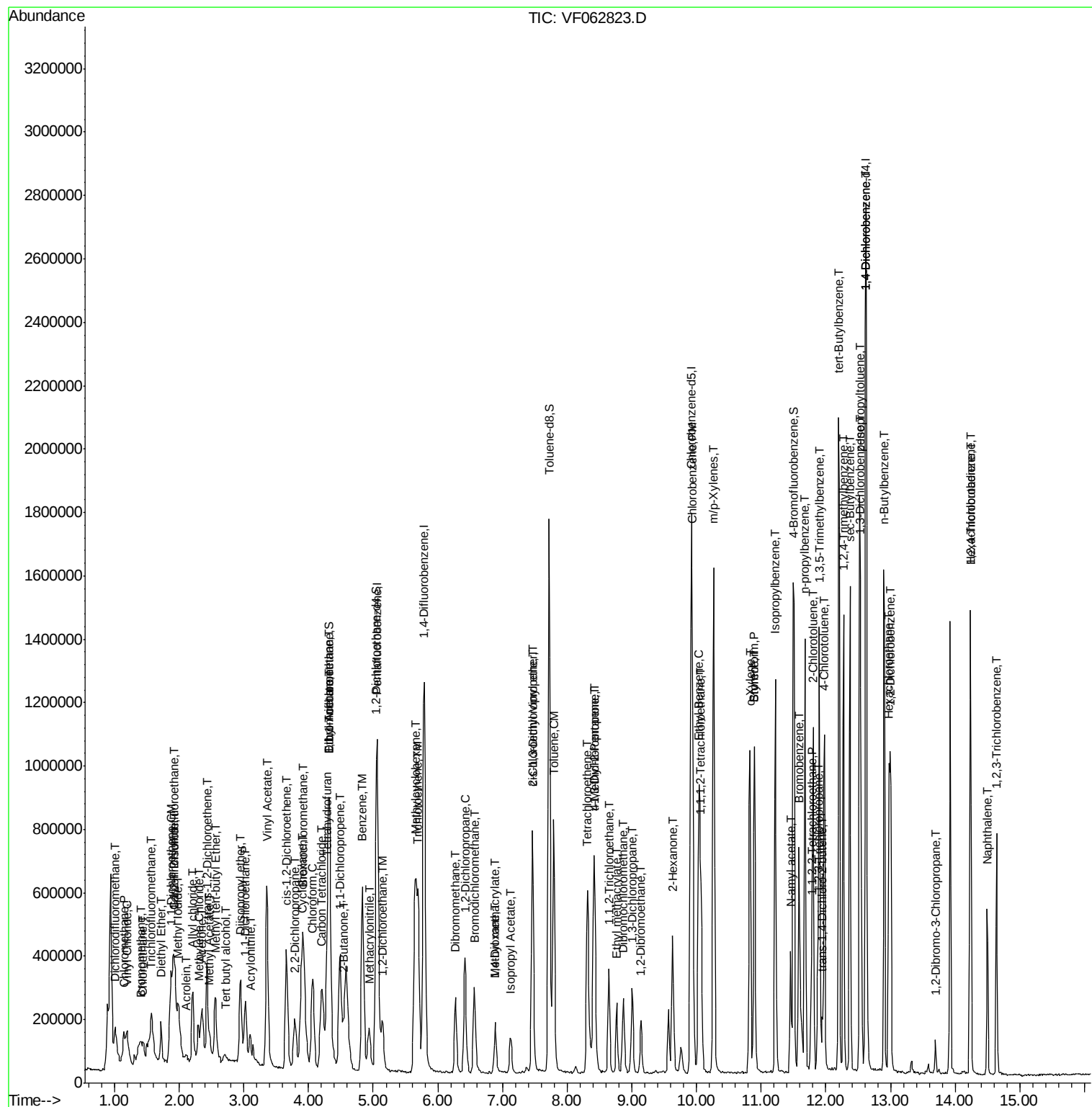
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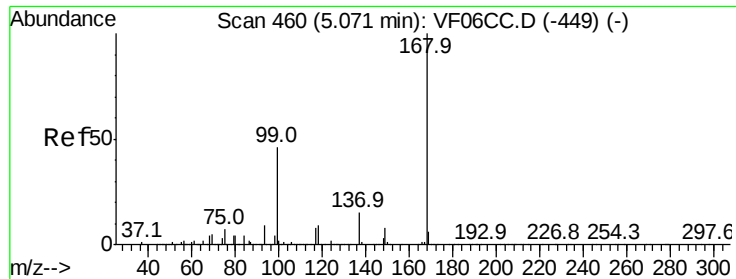
Instrument :
MSVOA_F
Client Sample Id :
VF0603SBS01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion:168 Resp: 947086

Ion Ratio Lower Upper

168 100

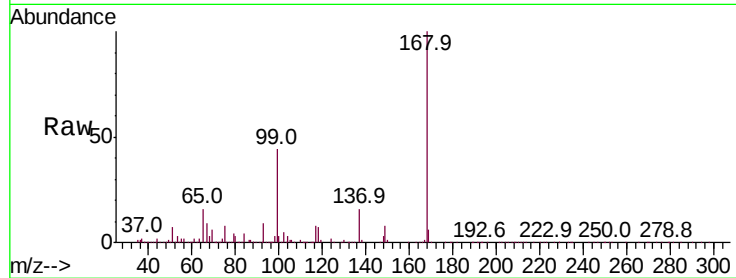
99 44.1 39.1 58.7

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

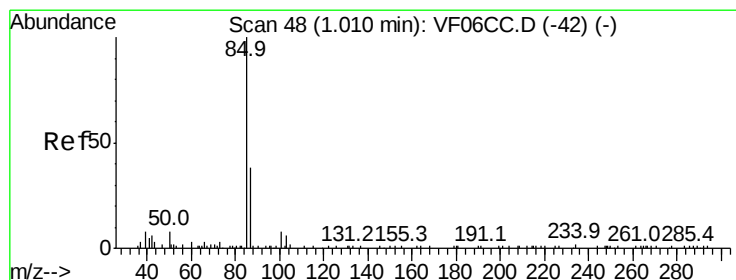
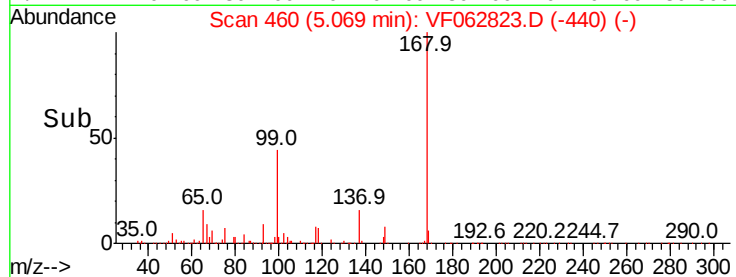
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.906 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062823.D

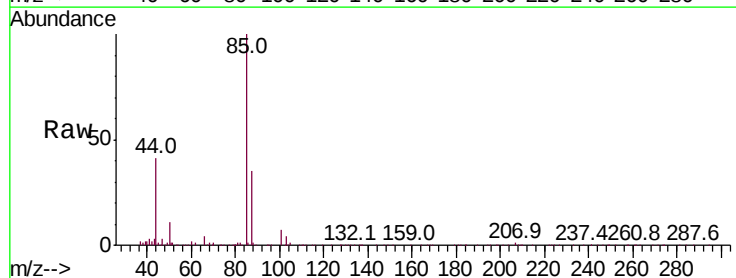
Acq: 3 Jun 2019 12:36

Tgt Ion: 85 Resp: 250881

Ion Ratio Lower Upper

85 100

87 35.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

80000

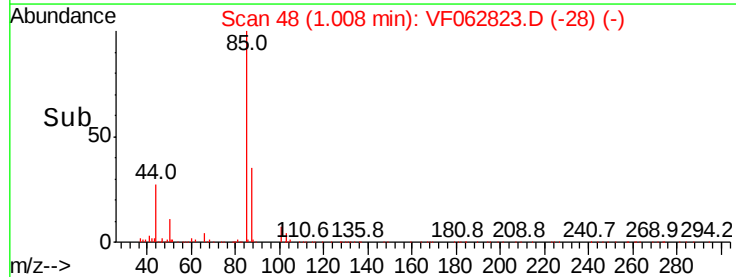
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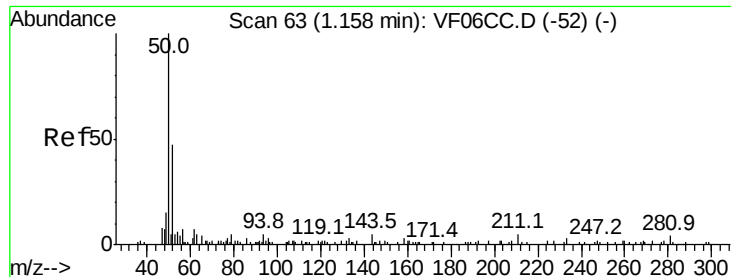
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.614 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

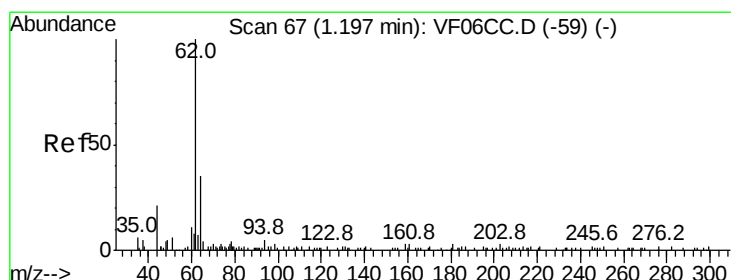
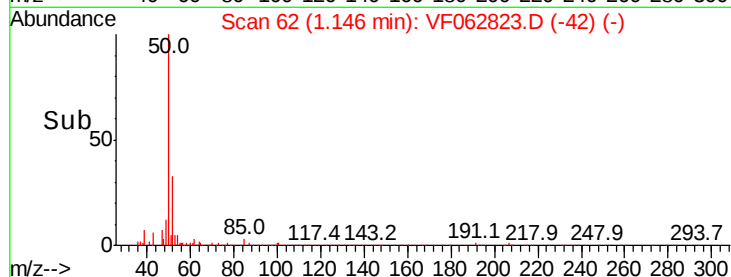
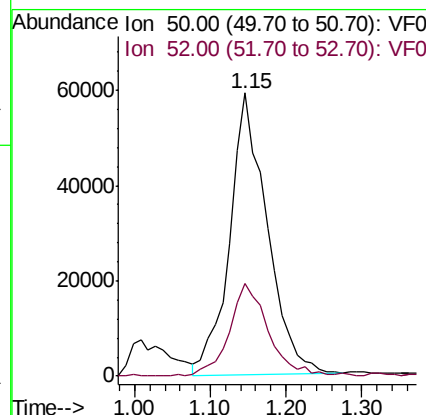
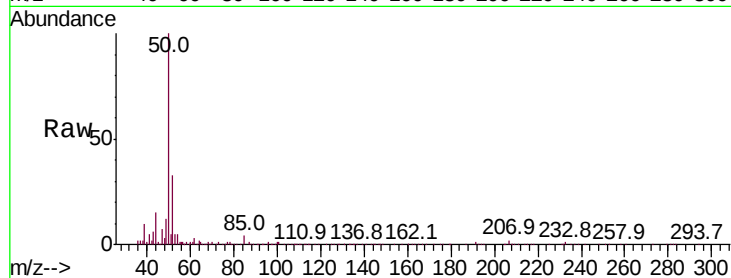
ClientSampleId :

VF0603SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	27.0	40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.283 ug/l

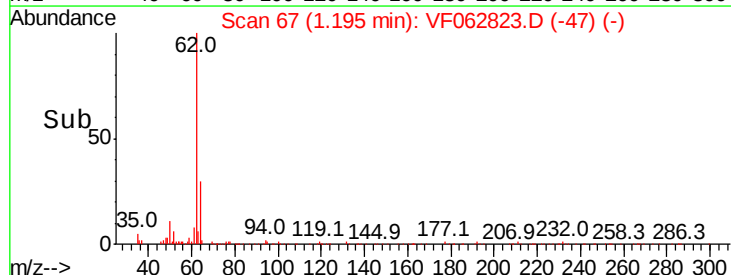
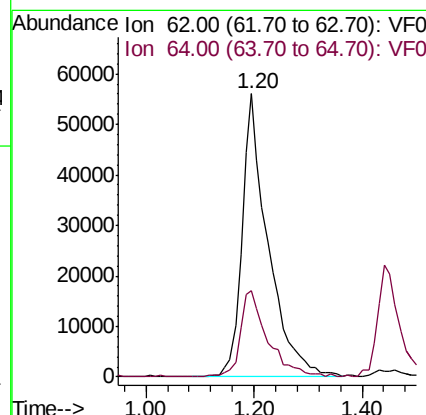
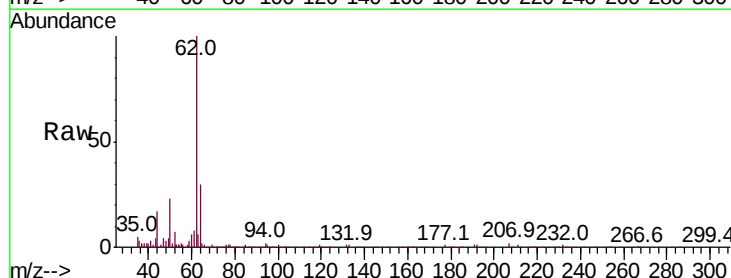
RT: 1.20 min Scan# 67

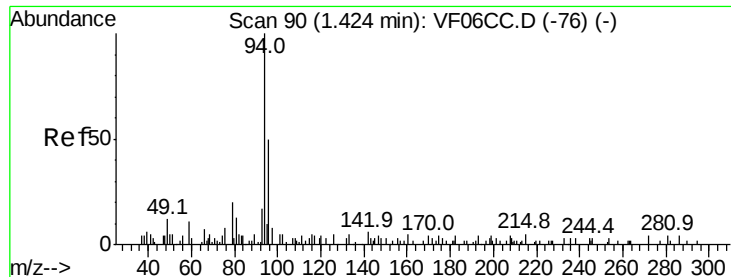
Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.2	39.2





#5

Bromomethane

Concen: 18.961 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion: 94 Resp: 105304

Ion Ratio Lower Upper

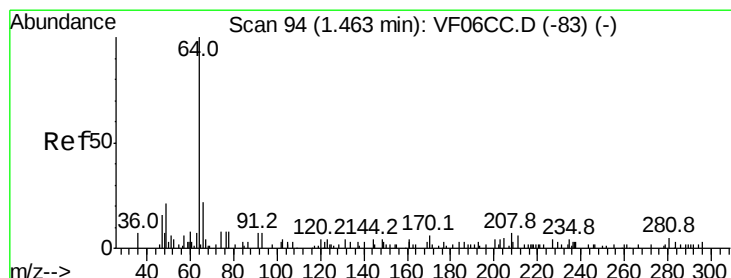
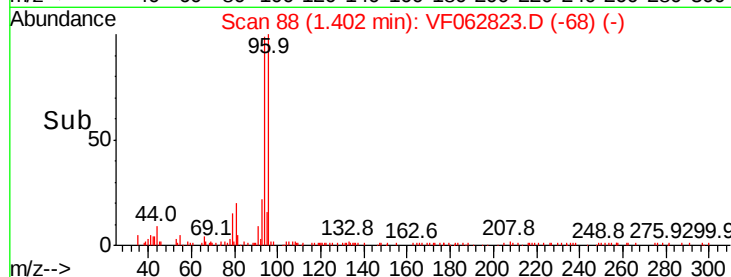
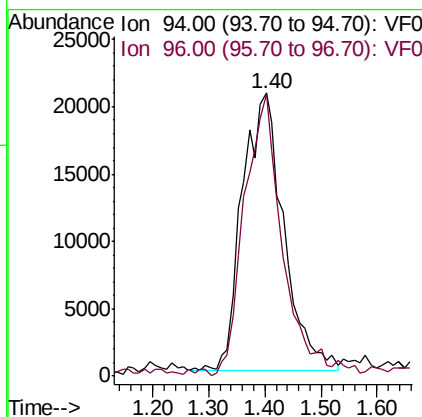
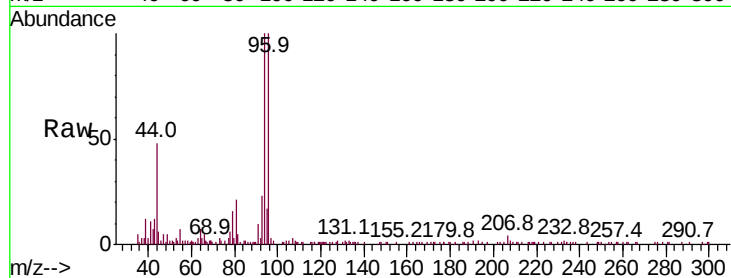
94 100

96 99.7 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 17.487 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062823.D

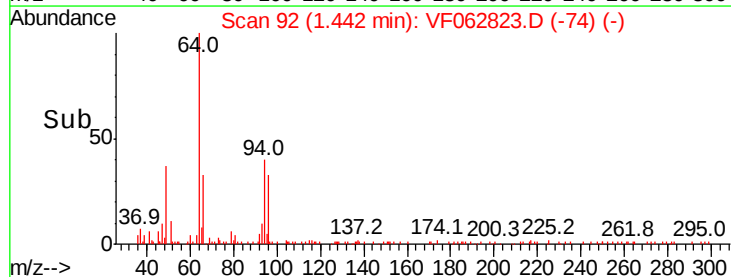
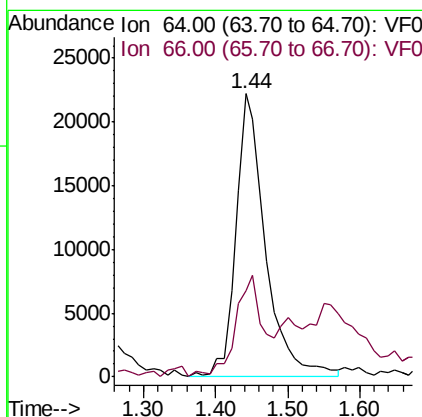
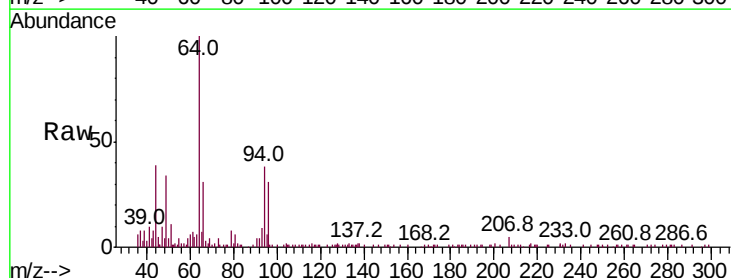
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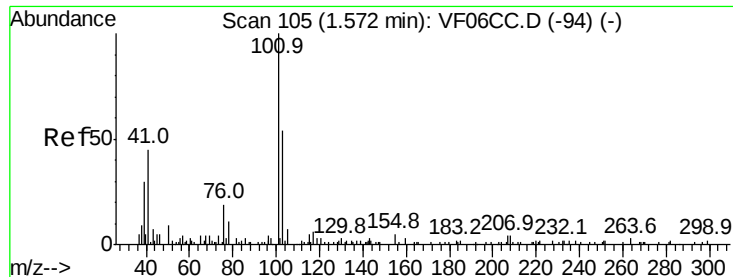
Tgt Ion: 64 Resp: 63670

Ion Ratio Lower Upper

64 100

66 30.6 31.0 46.4#





#7

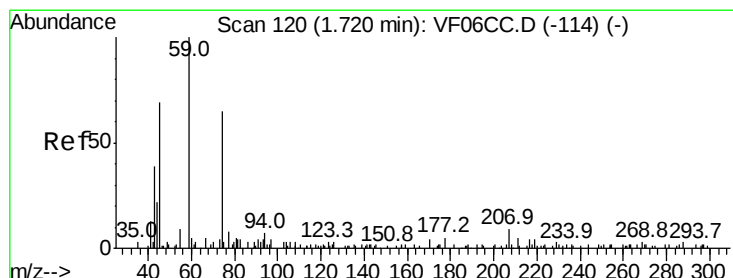
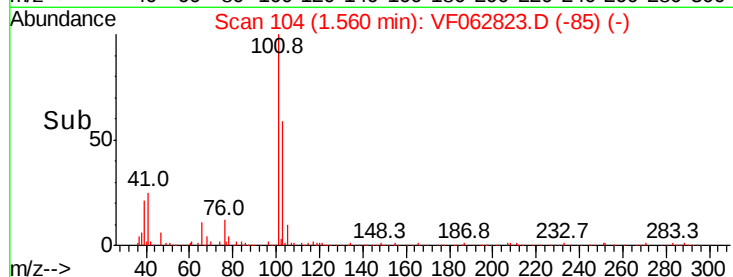
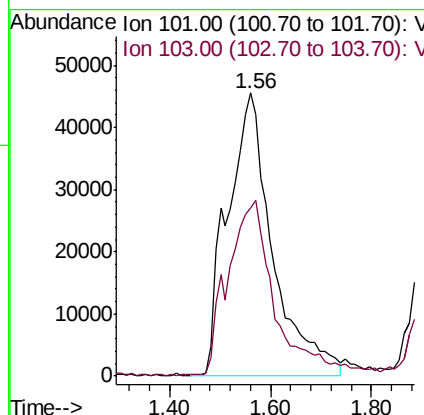
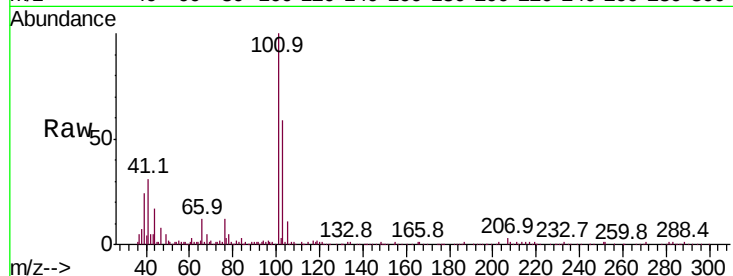
Trichlorofluoromethane
 Concen: 20.603 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
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 ClientSampleId :
 VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	284038		
103	59.3		54.6	82.0

Manual Integrations
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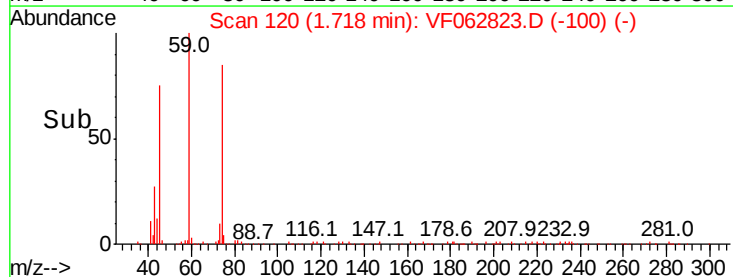
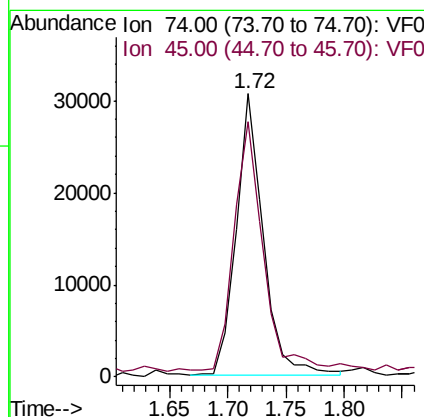
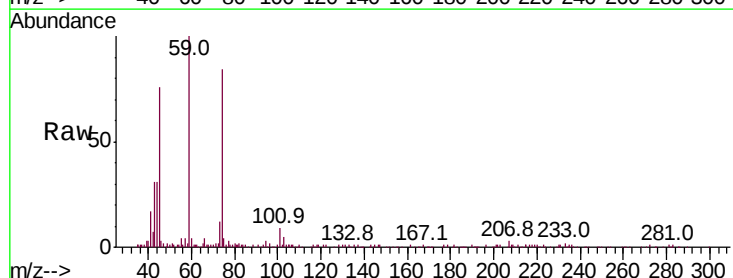
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 6/4/2019 12:15:44 PM

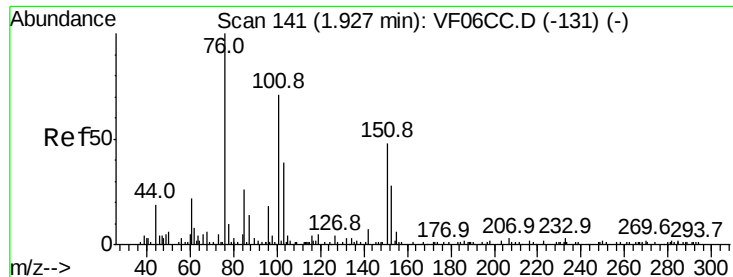


#8

Diethyl Ether
 Concen: 18.082 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49043		
45	90.1		47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.184 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

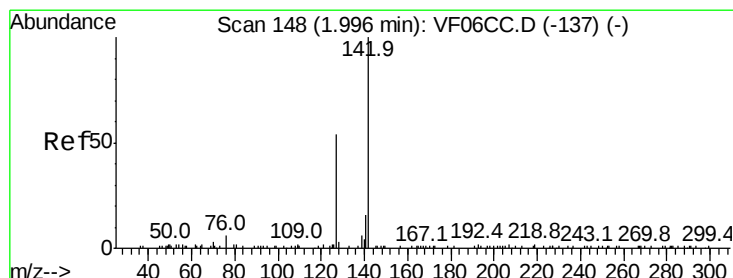
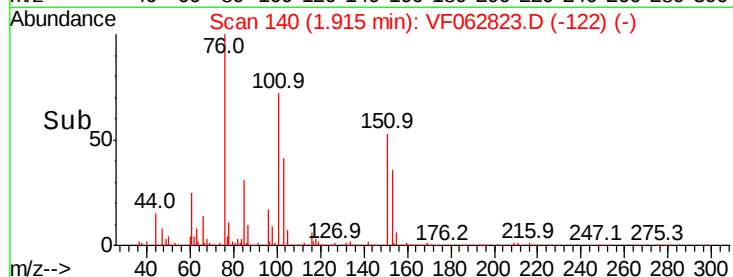
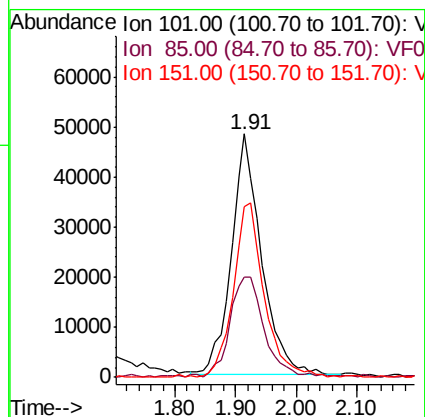
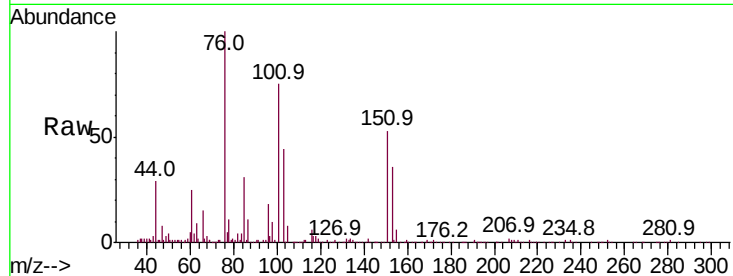
ClientSampleId :

VF0603SBS01

Tot Ion:	101	Resp:	166274
Ion Ratio	Lower	Upper	
101	100		
85	41.3	37.1	55.7
151	70.1	60.3	90.5

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#10

Methyl Iodide

Concen: 19.188 ug/l

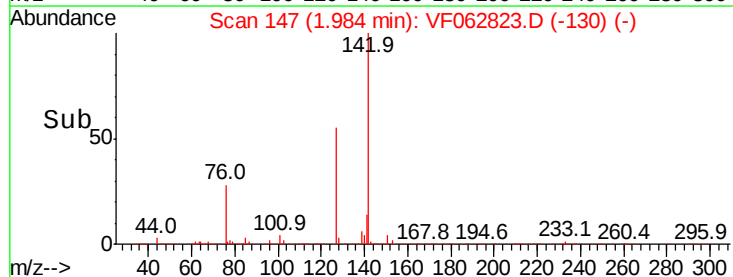
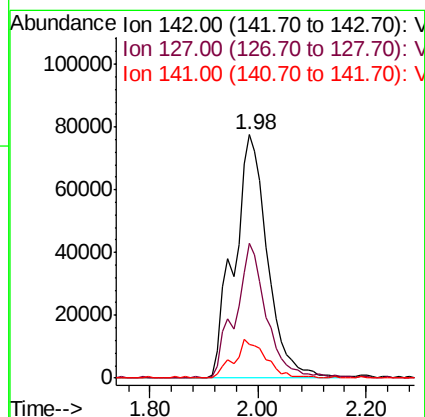
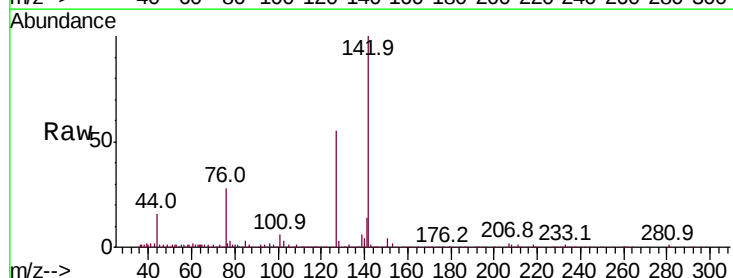
RT: 1.98 min Scan# 147

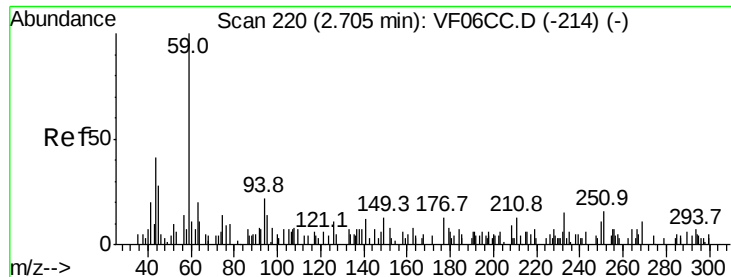
Delta R.T. -0.03 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	142	Resp:	333465
Ion Ratio	Lower	Upper	
142	100		
127	54.8	39.4	59.2
141	13.8	10.6	15.8





#11

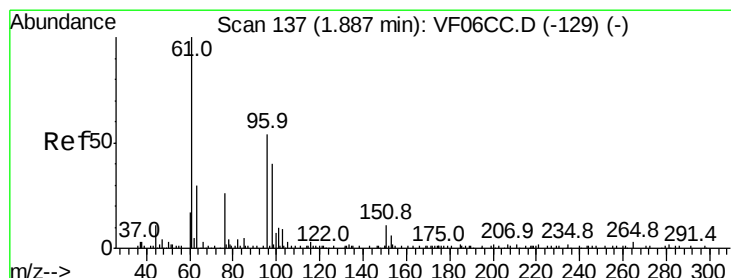
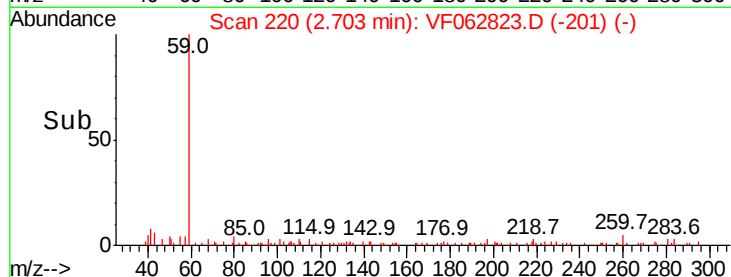
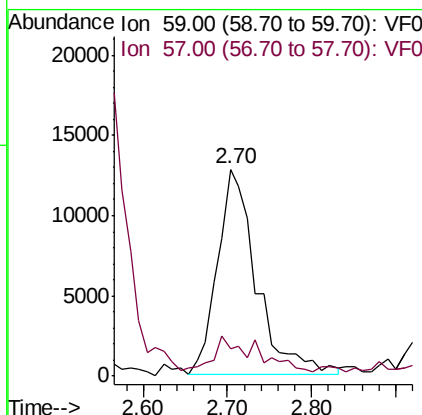
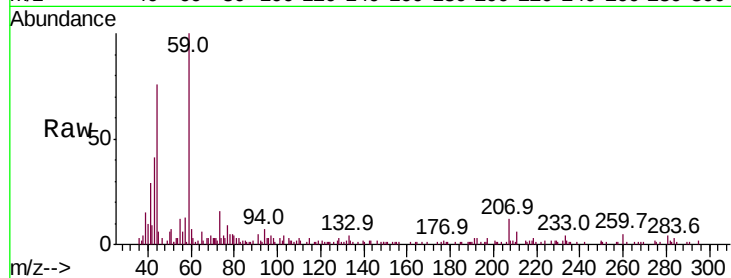
Tert butyl alcohol
 Concen: 104.216 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion	59	Resp	41347
Ion Ratio	100	Lower	Upper
57	13.5	9.2	13.8

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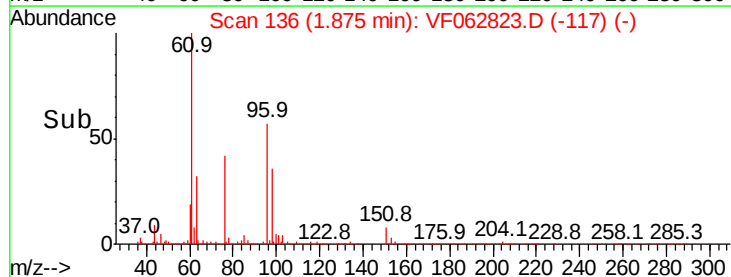
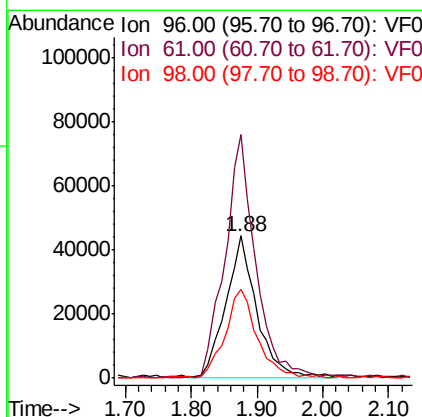
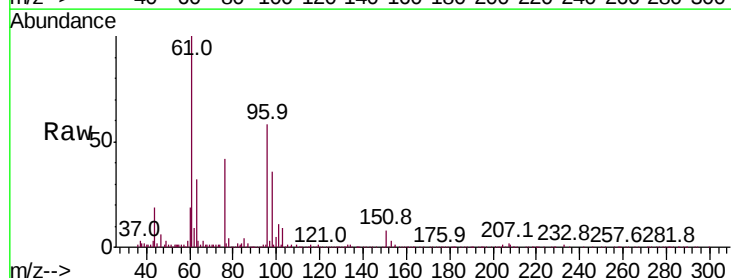
MMDadoda
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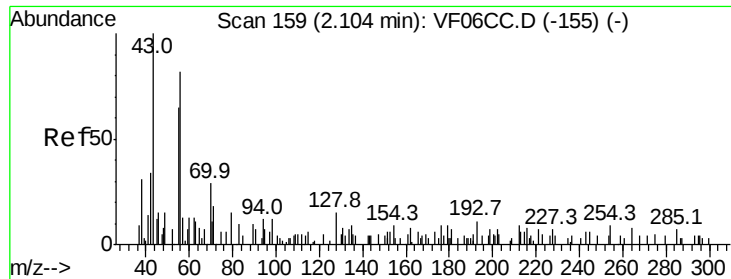


#12

1,1-Dichloroethene
 Concen: 18.429 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	96	Resp	145045
Ion Ratio	100	Lower	Upper
61	171.4	139.4	209.2
98	62.3	50.3	75.5





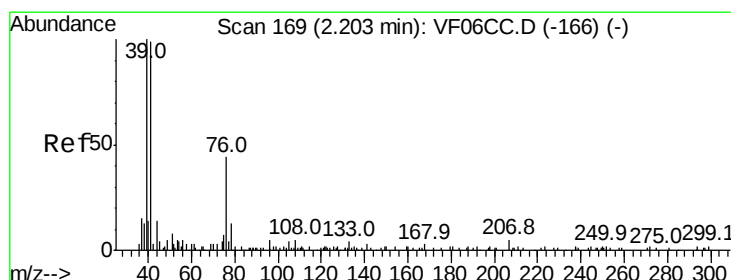
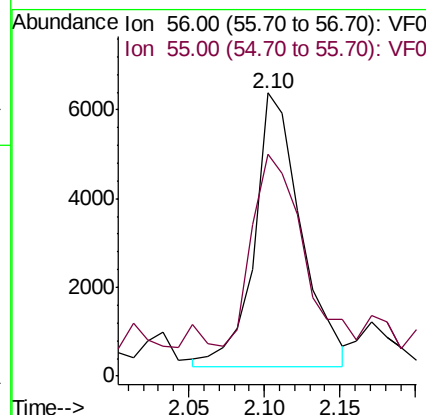
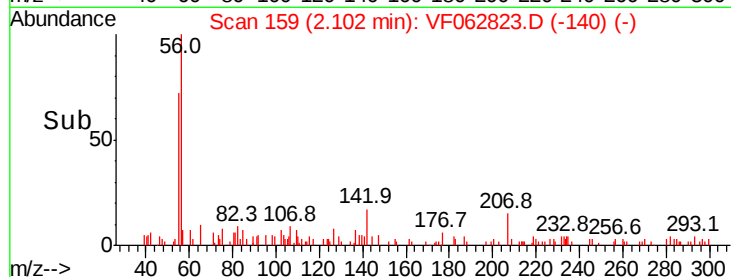
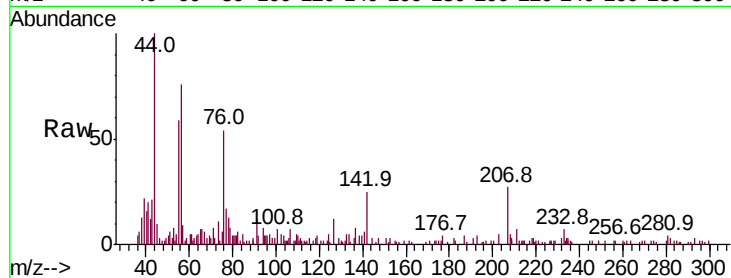
#13
Acrolein
Concen: 77.949 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	56	Resp	13247
Ion Ratio	Lower	Upper	
56	100		
55	78.2	52.9	79.3

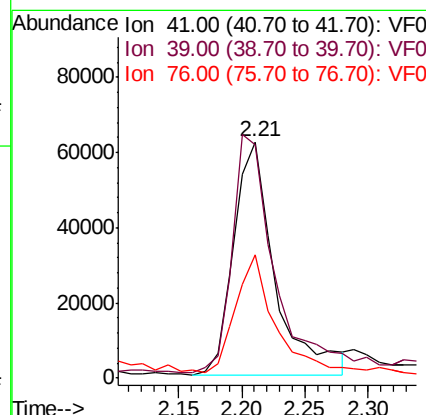
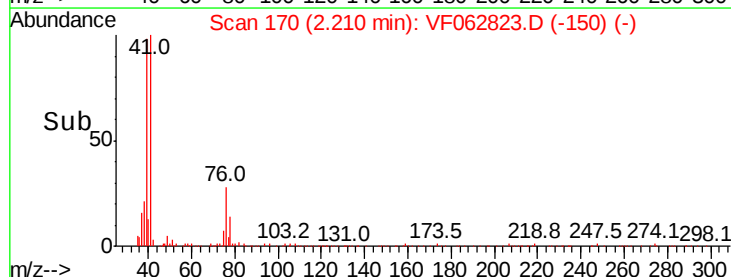
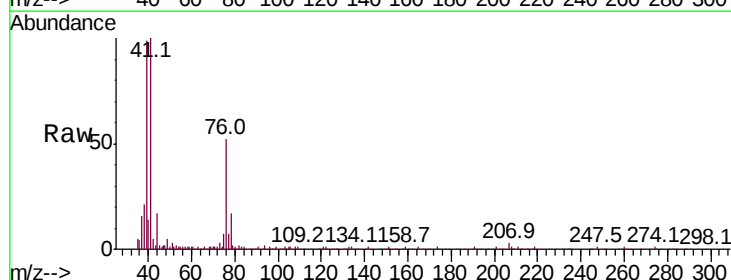
Manual Integrations
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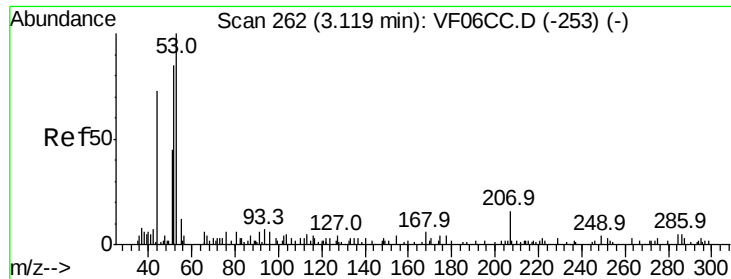
MMDadoda
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#14
Allyl chloride
Concen: 23.090 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	41	Resp	140982
Ion Ratio	Lower	Upper	
41	100		
39	98.6	71.9	107.9
76	52.4	39.6	59.4





#15

Acrylonitrile

Concen: 67.458 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

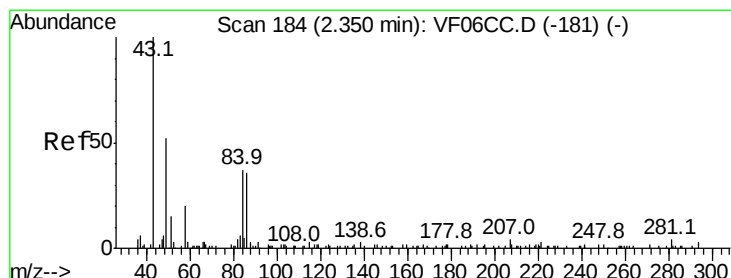
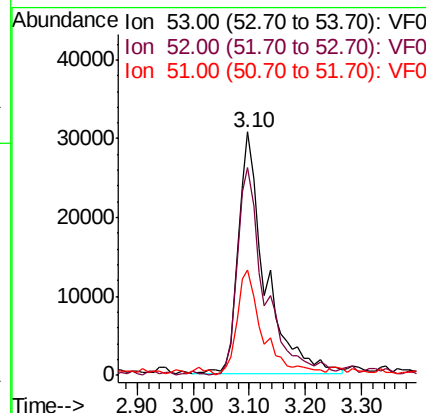
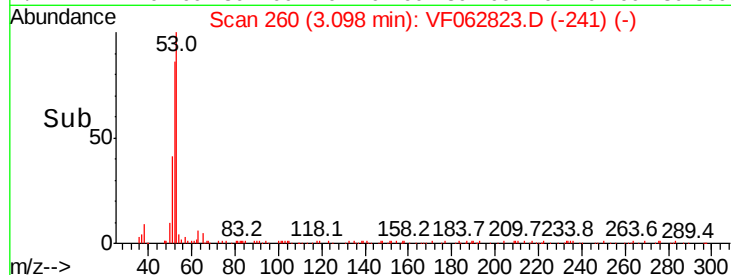
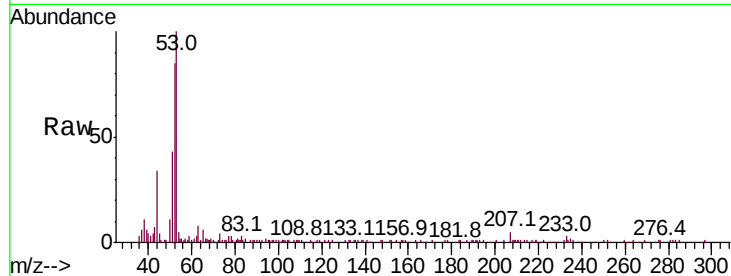
ClientSampleId :

VF0603SBS01

Tot Ion:	53	Resp:	100565
Ion Ratio		Lower	Upper
53	100		
52	85.2	68.1	102.1
51	43.1	27.7	41.5#

Manual Integrations
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#16

Acetone

Concen: 88.207 ug/l

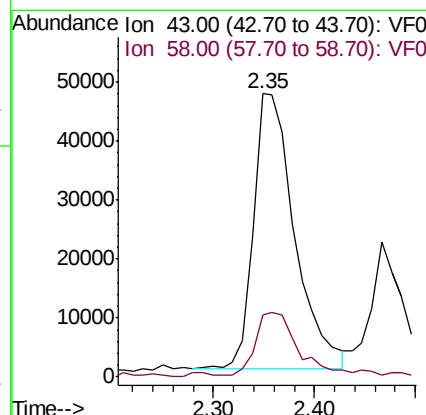
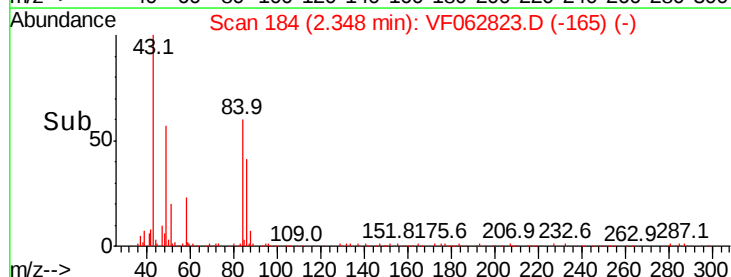
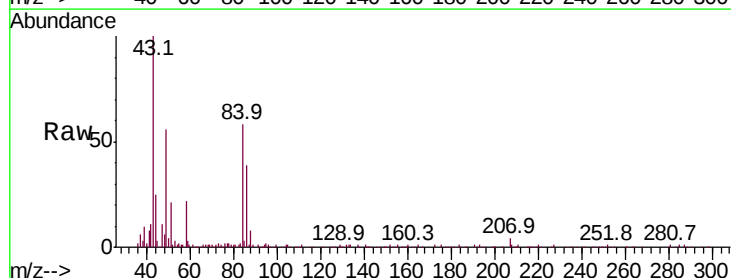
RT: 2.35 min Scan# 184

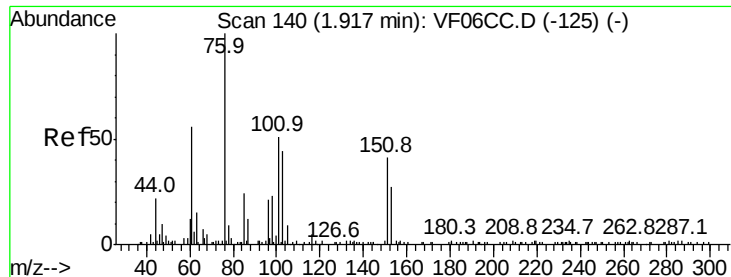
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	43	Resp:	132218
Ion Ratio		Lower	Upper
43	100		
58	22.0	19.0	28.4





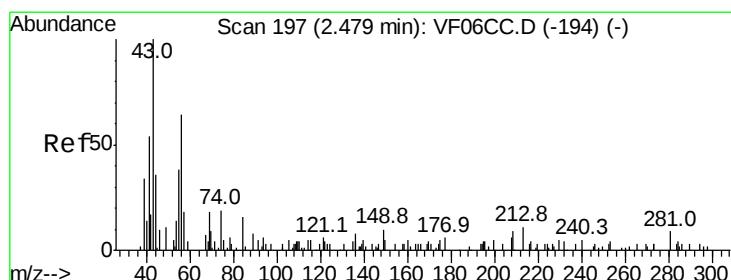
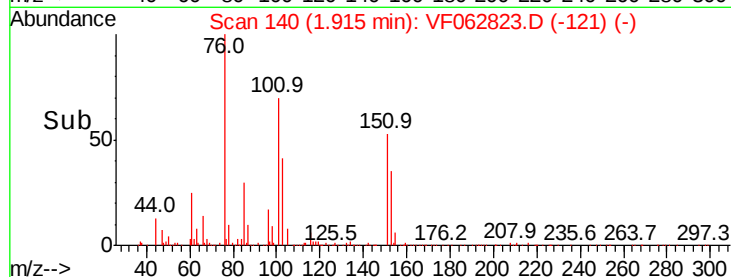
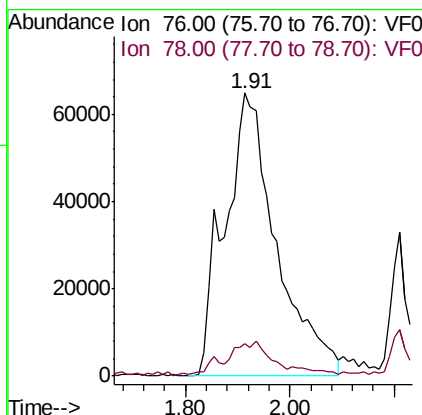
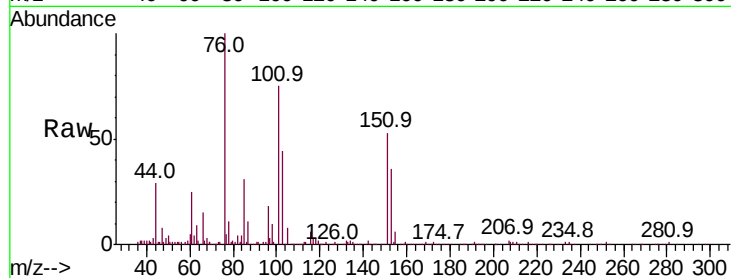
#17
Carbon Disulfide
Concen: 19.034 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion: 76 Resp: 437844
Ion Ratio Lower Upper
76 100
78 11.4 9.4 14.2

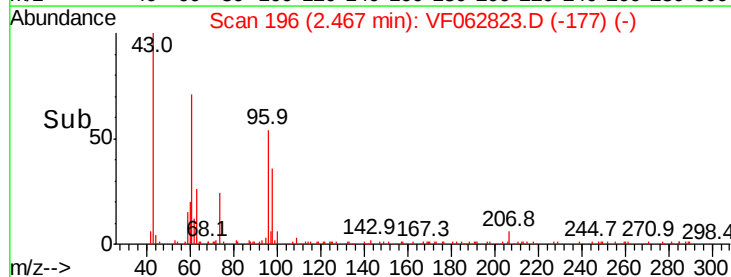
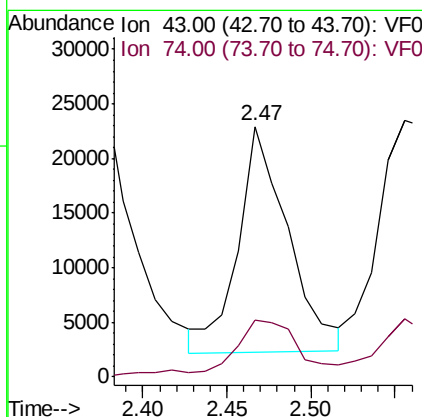
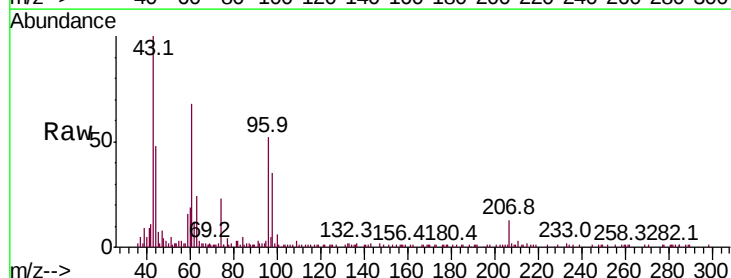
Manual Integrations
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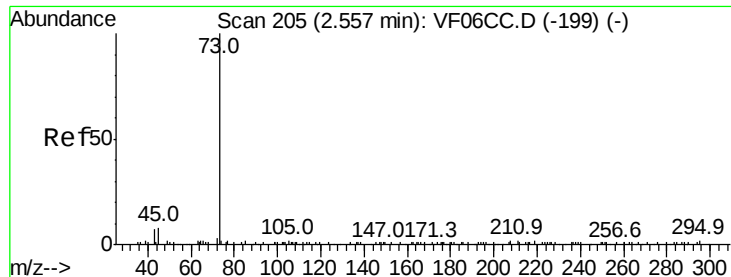
MMDadoda
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#18
Methyl Acetate
Concen: 16.315 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion: 43 Resp: 42736
Ion Ratio Lower Upper
43 100
74 22.8 22.1 33.1





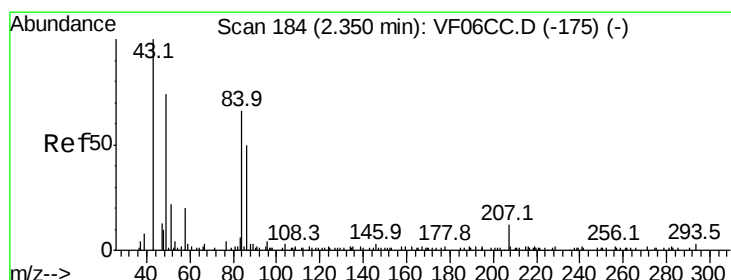
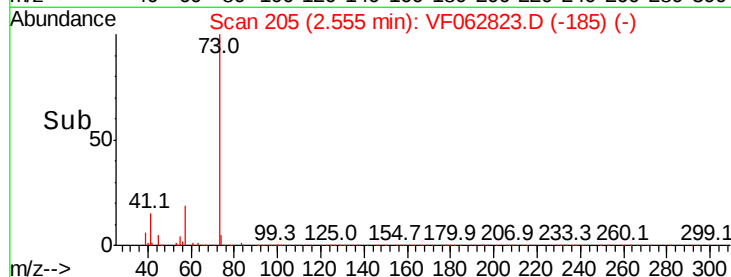
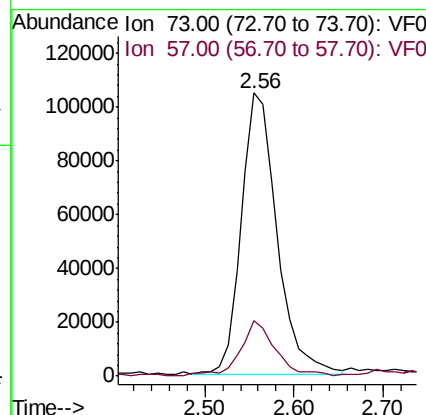
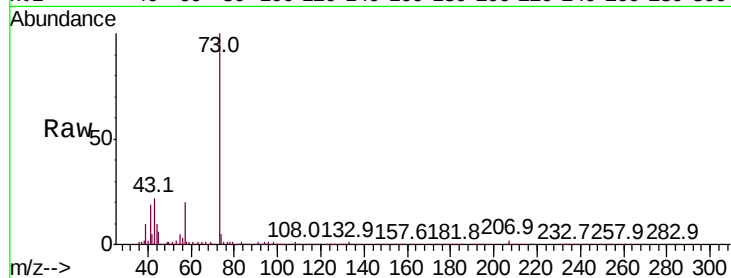
#19
Methvl tert-butvl Ether
Concen: 20.464 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	15.1	22.7

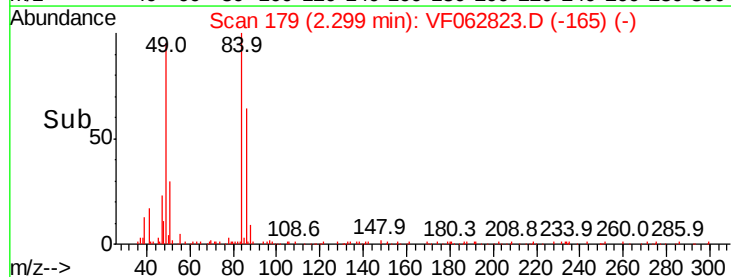
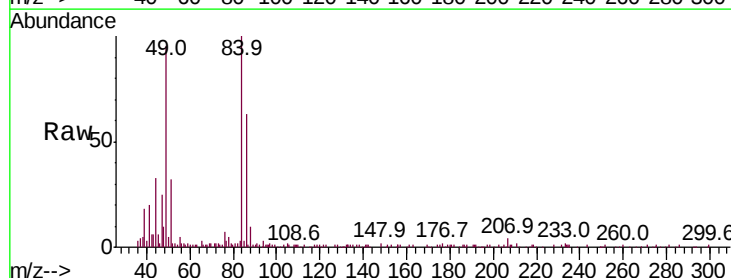
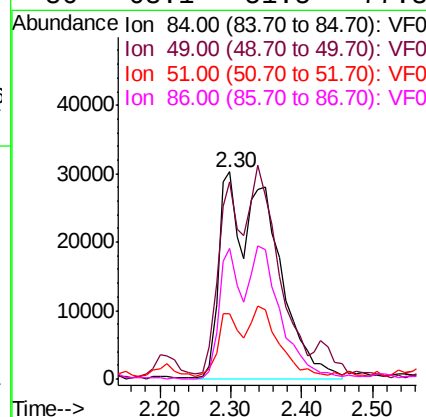
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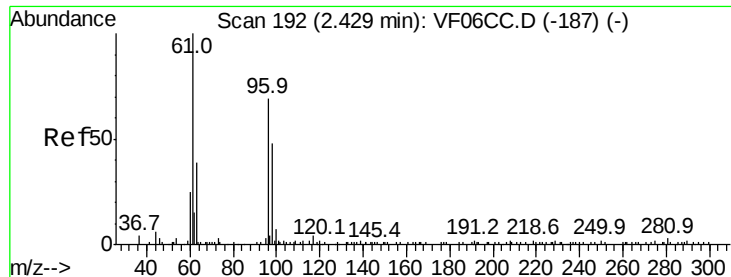
MMDadoda
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#20
Methylene Chloride
Concen: 19.344 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.3	82.6	123.8
51	31.7	25.0	37.4
86	63.1	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 19.662 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion: 96 Resp: 155158

Ion Ratio Lower Upper

96 100

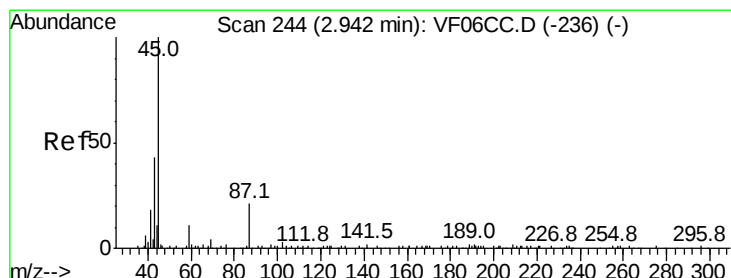
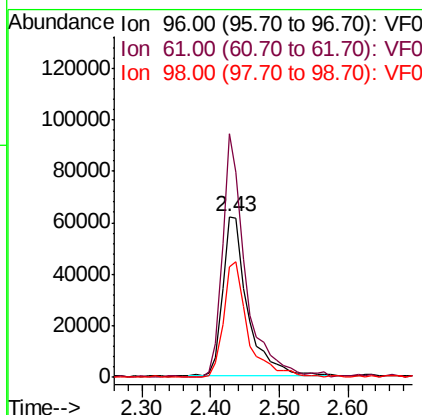
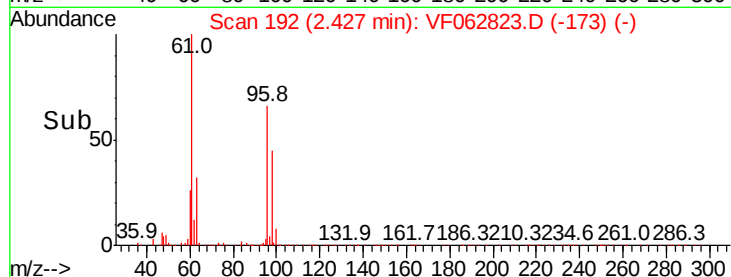
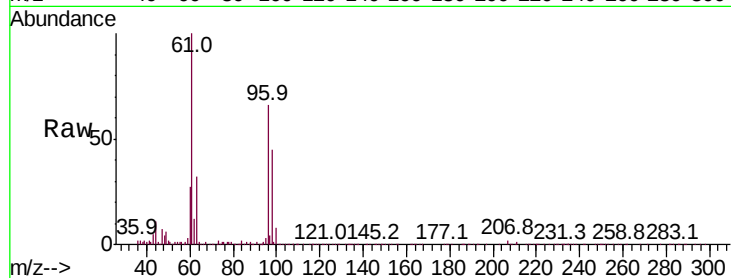
61 151.7 105.0 157.6

98 68.8 51.1 76.7

Manual Integrations
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MMDadoda

6/4/2019 12:15:44 PM



#22

Diisopropyl ether

Concen: 18.549 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion: 45 Resp: 321771

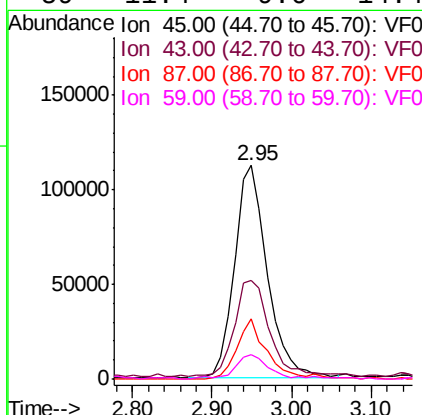
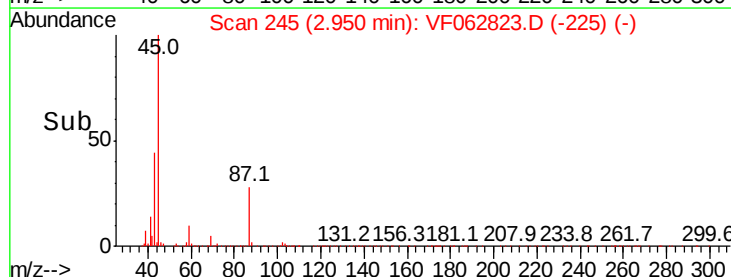
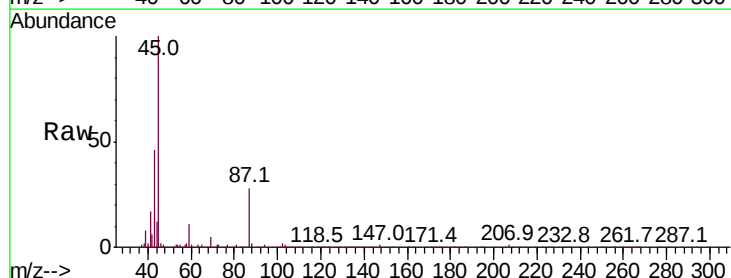
Ion Ratio Lower Upper

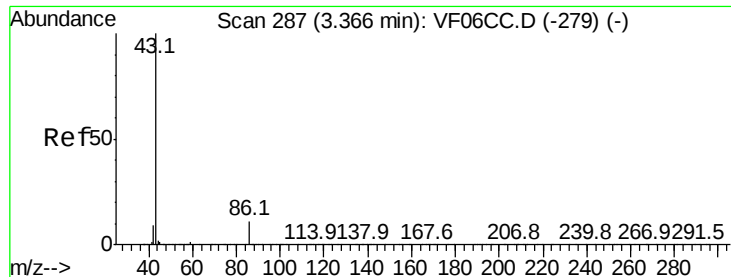
45 100

43 46.1 34.3 51.5

87 28.1 19.0 28.4

59 11.4 9.6 14.4





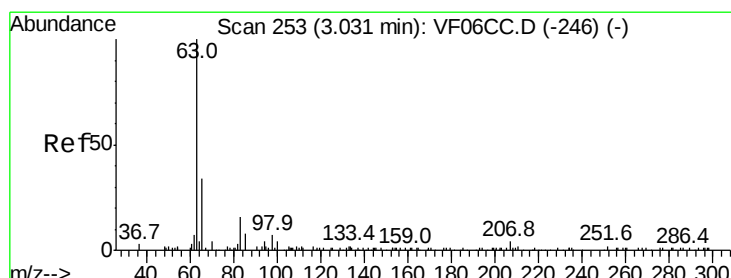
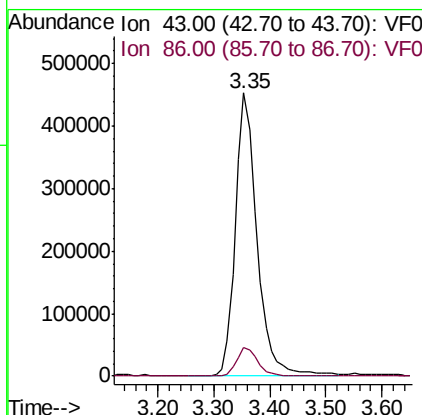
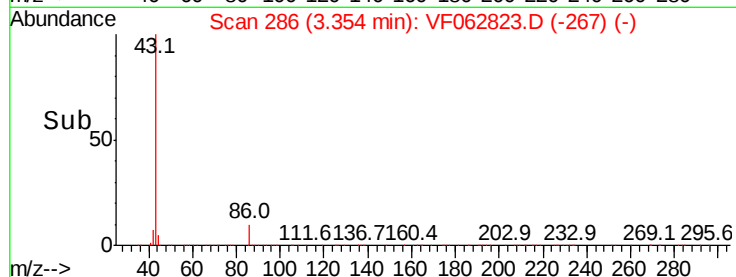
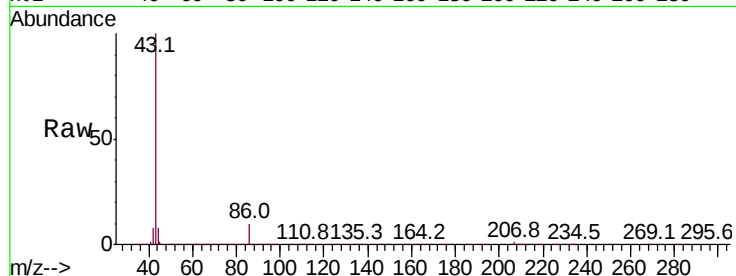
#23
 Vinyl Acetate
 Concen: 101.513 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion: 43 Resp: 1205554
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2

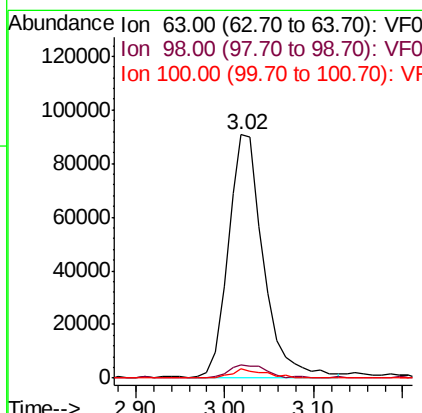
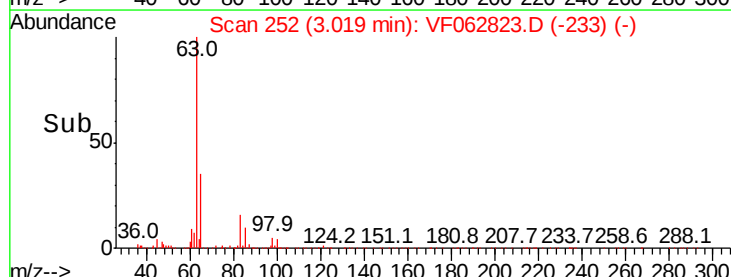
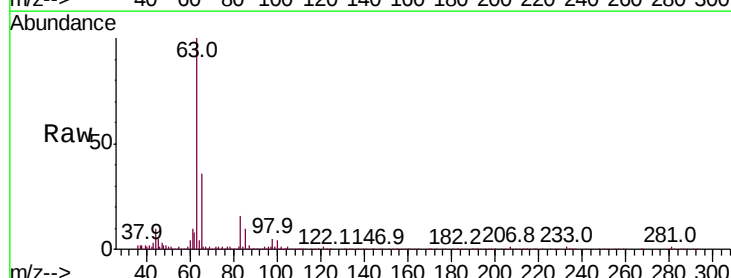
Manual Integrations
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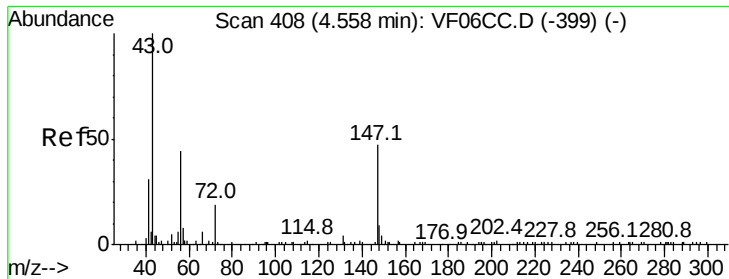
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.367 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion: 63 Resp: 250841
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.4 7.1
 100 3.7 1.5 4.5





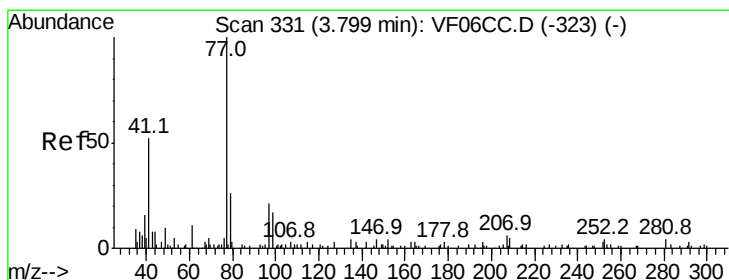
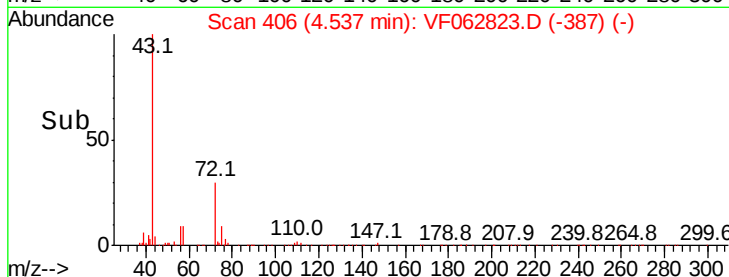
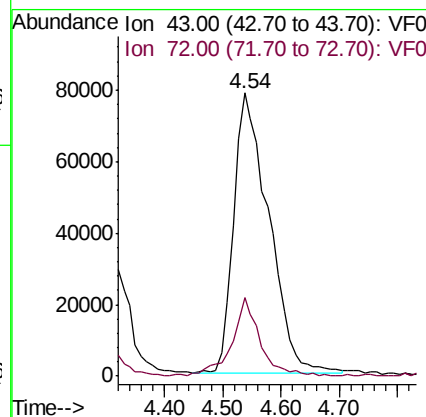
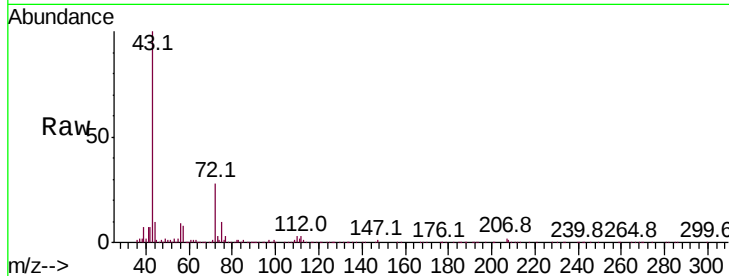
#25
2-Butanone
Concen: 94.273 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.9	21.4	32.0

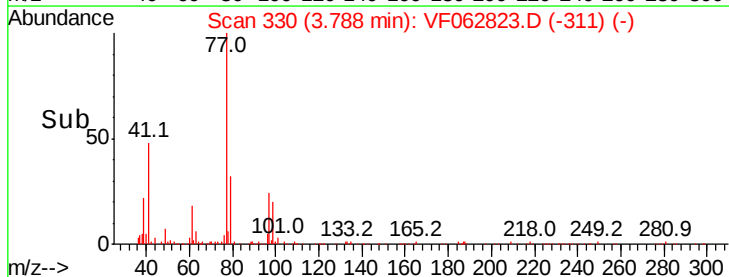
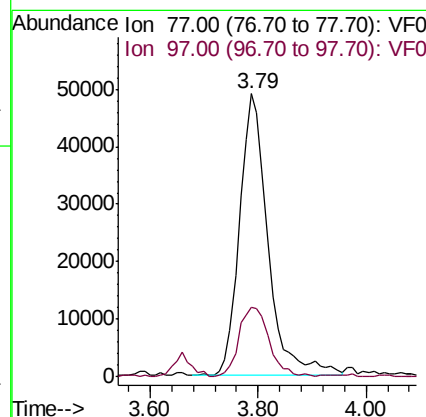
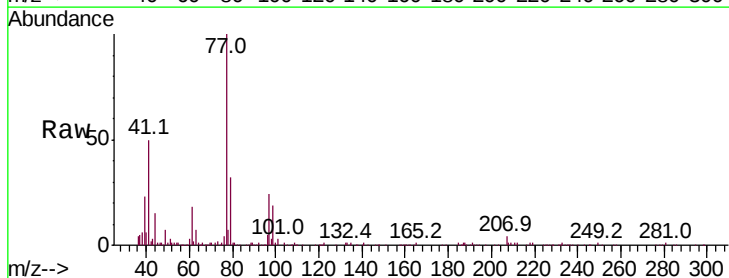
Manual Integrations
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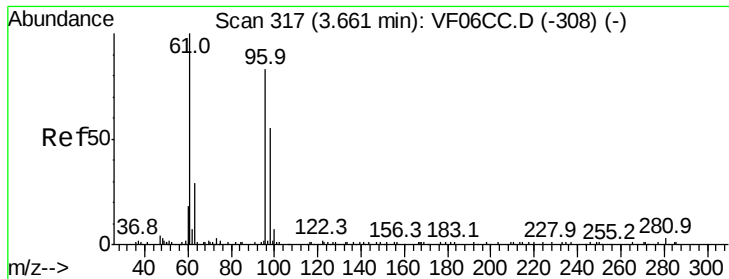
MMDadoda
6/4/2019 12:15:44 PM



#26
2,2-Dichloropropane
Concen: 24.350 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.4	37.4





#27

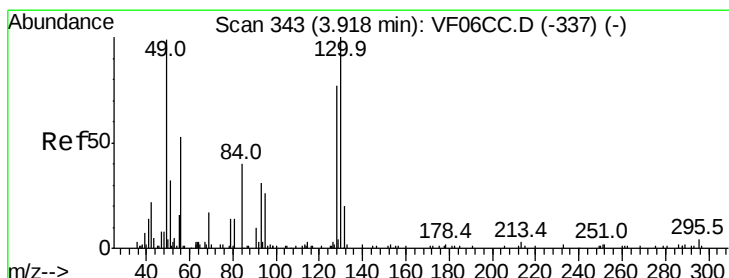
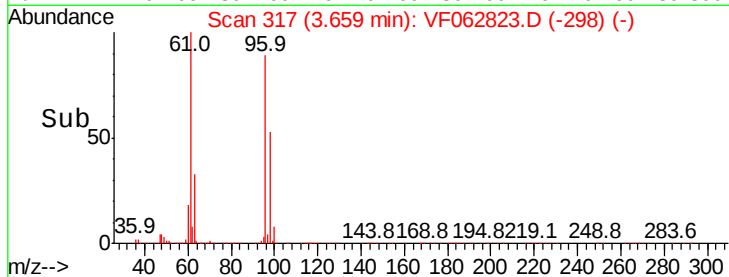
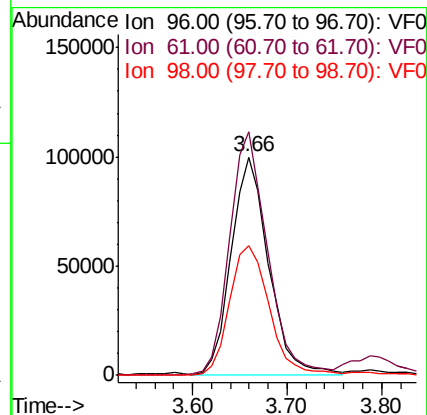
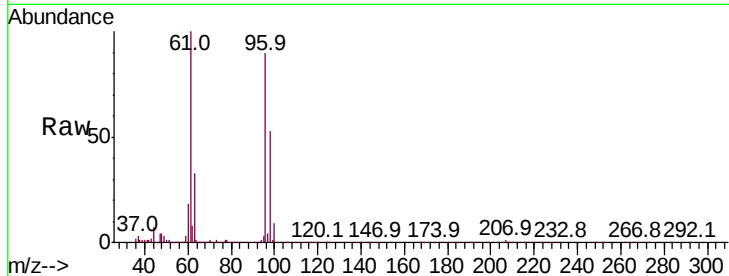
cis-1,2-Dichloroethene
Concen: 20.542 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272484		
61	111.4	0.0	213.8	
98	59.3	0.0	127.0	

Manual Integrations
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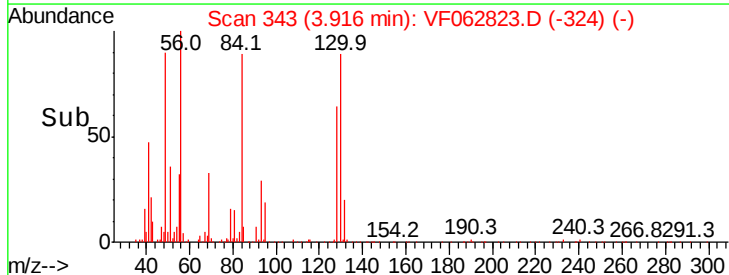
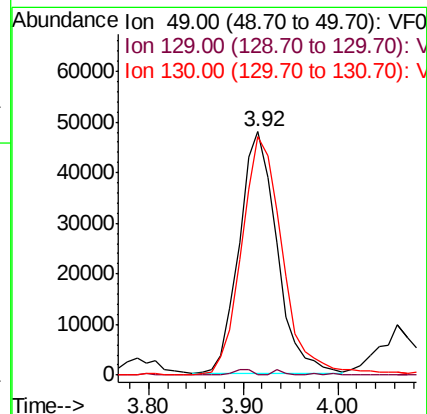
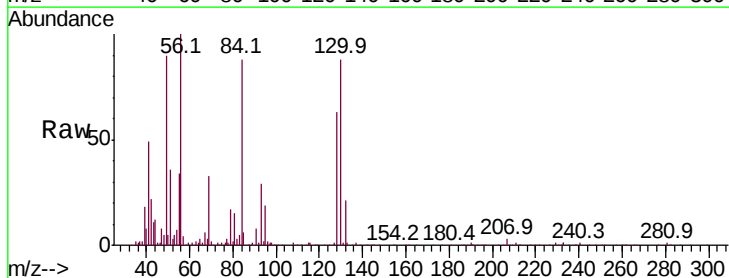
MMDadoda
6/4/2019 12:15:44 PM

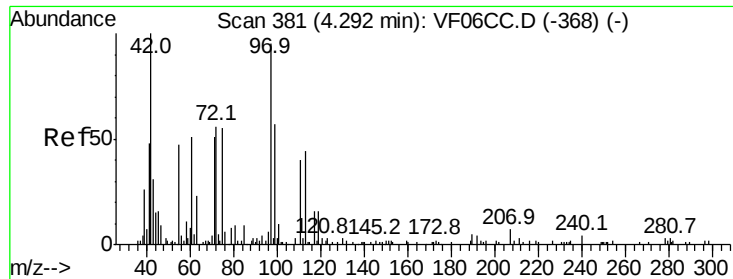


#28

Bromochloromethane
Concen: 18.915 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133258		
129	0.0	0.0	5.4	
130	99.5	79.2	118.8	





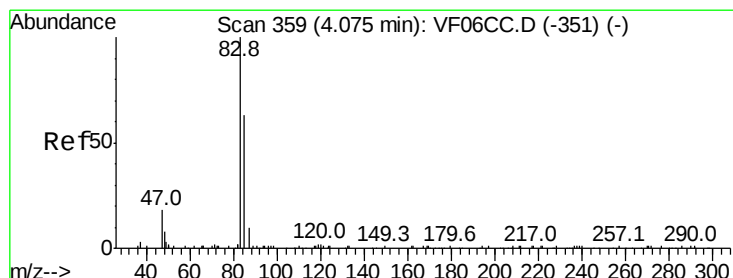
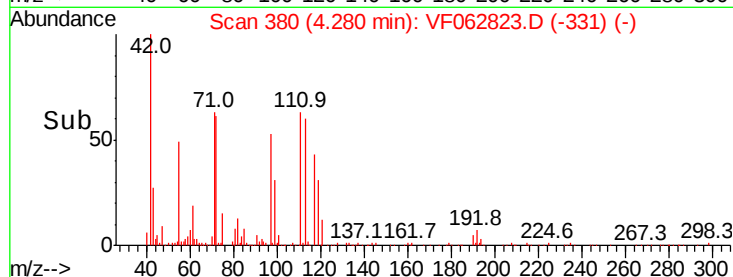
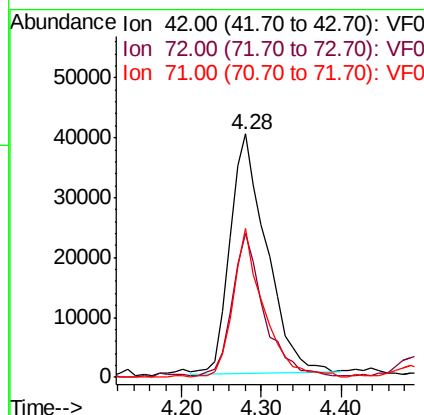
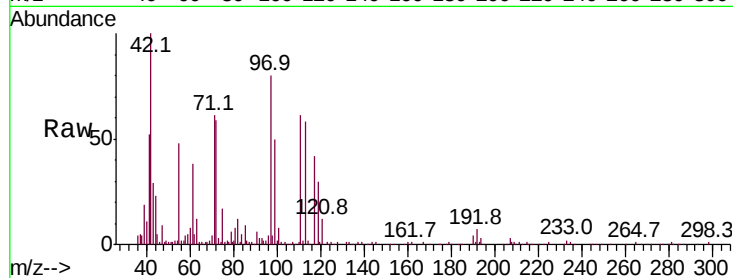
#29
Tetrahydrofuran
Concen: 96.103 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	39.0	58.6
71	52.6	36.9	55.3

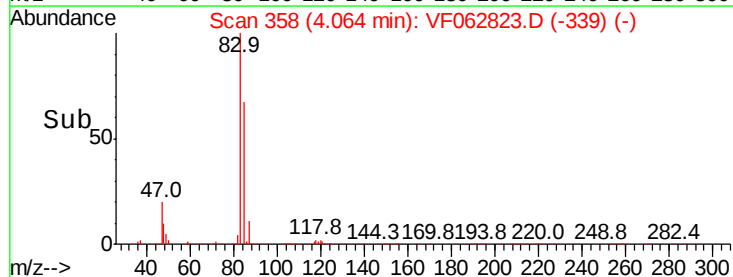
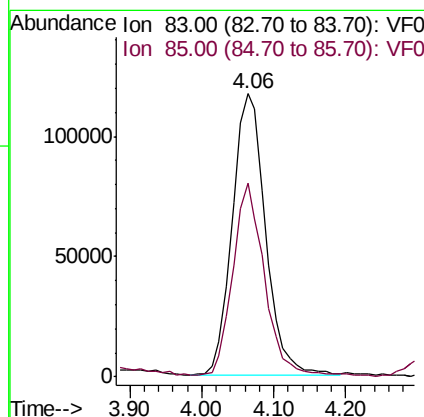
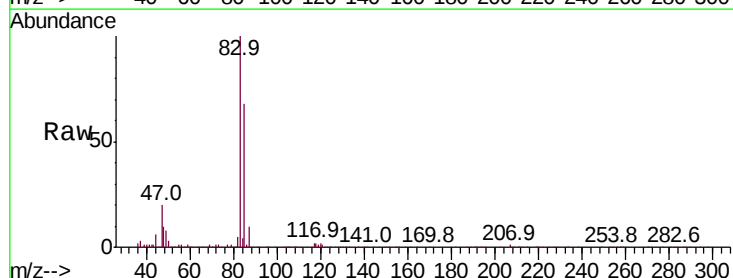
Manual Integrations
APPROVED

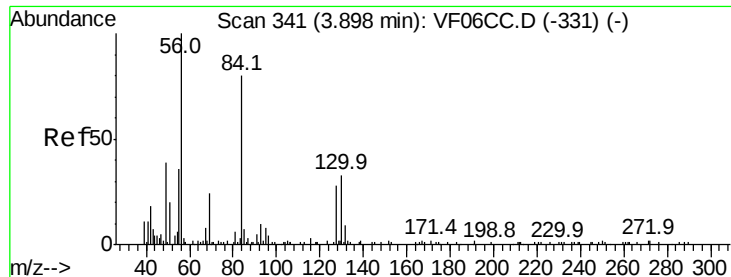
MMDadoda
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#30
Chloroform
Concen: 20.547 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	55.0	82.6





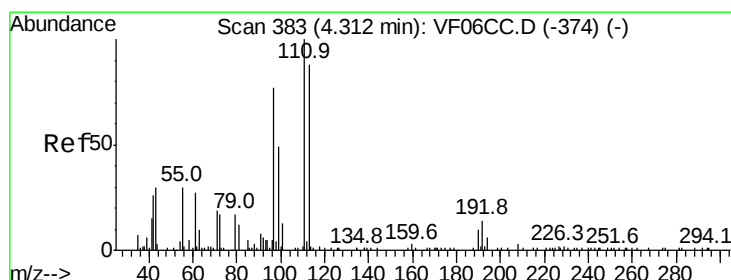
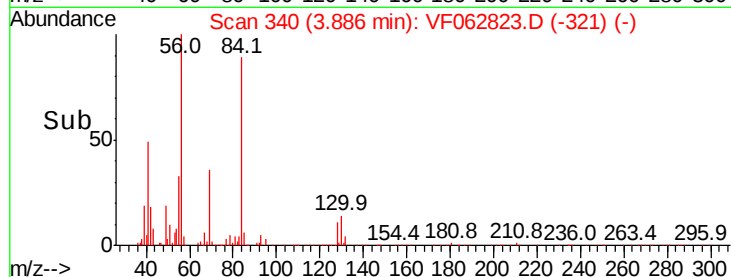
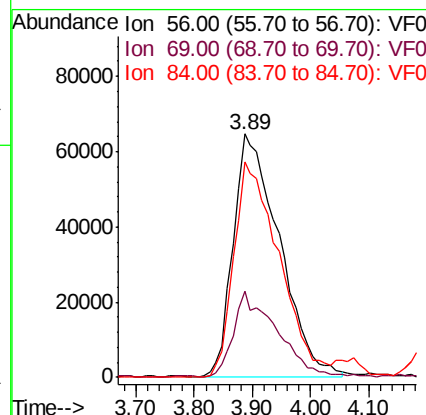
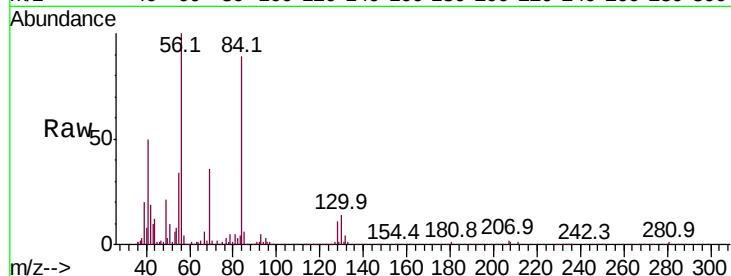
#31
Cyclohexane
Concen: 20.347 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.7	40.1
84	88.7	74.3	111.5

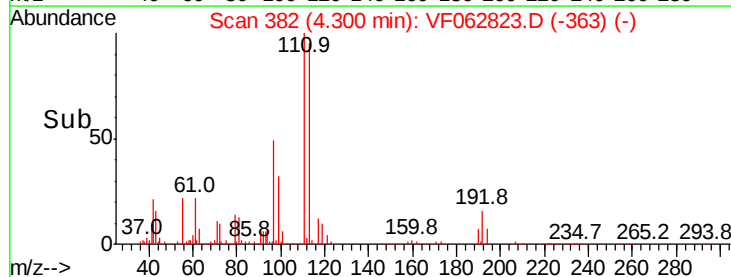
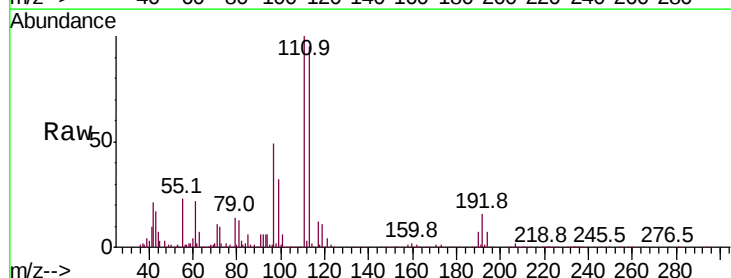
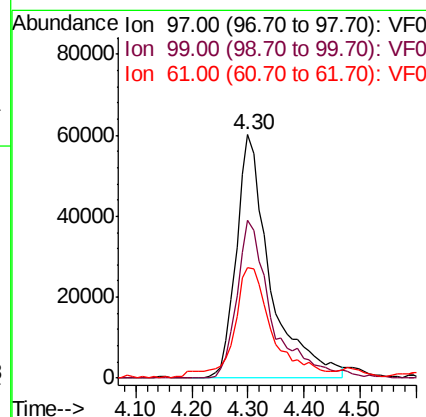
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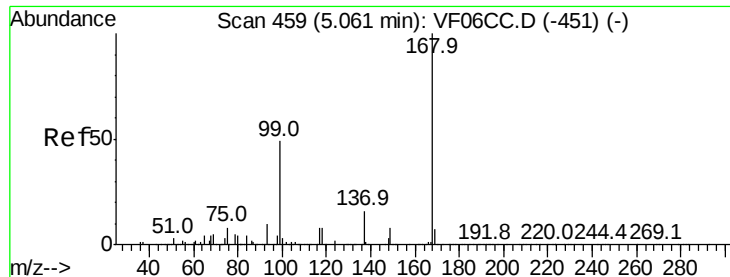
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#32
1,1,1-Trichloroethane
Concen: 23.605 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	45.6	38.9	58.3





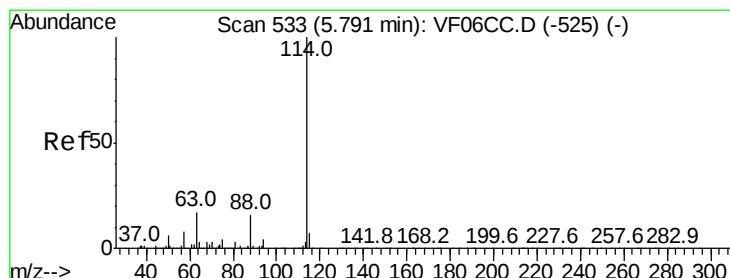
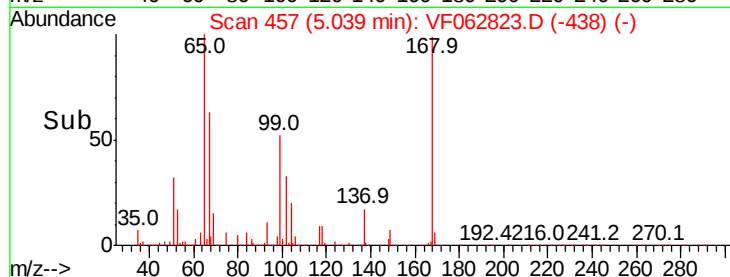
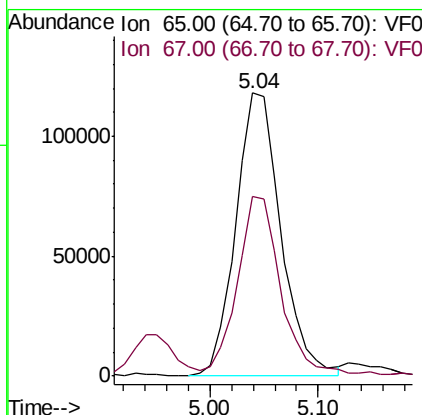
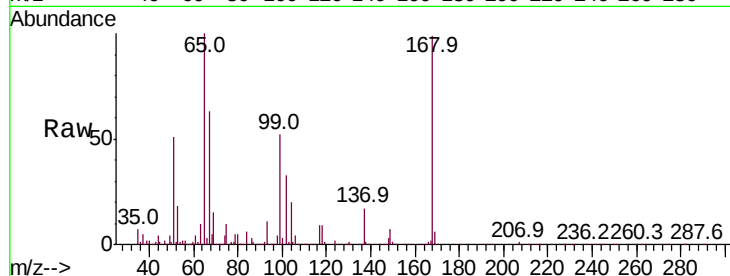
#33
 1,2-Dichloroethane-d4
 Concen: 52.094 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	341175		
67	63.4	0.0	121.2	

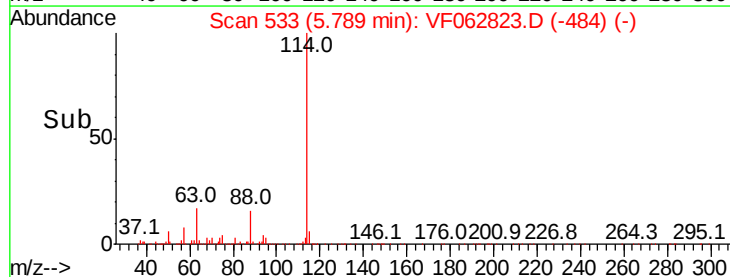
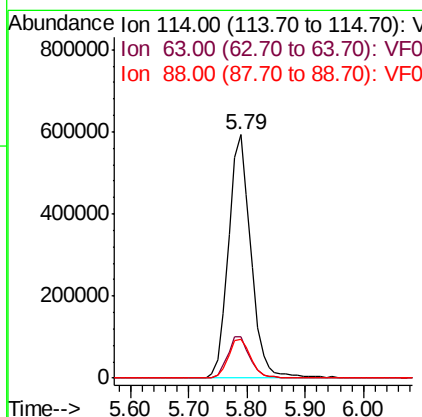
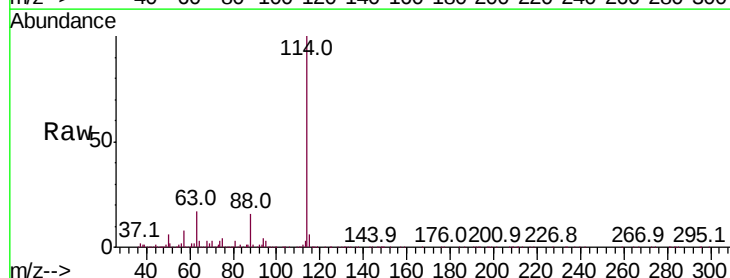
Manual Integrations
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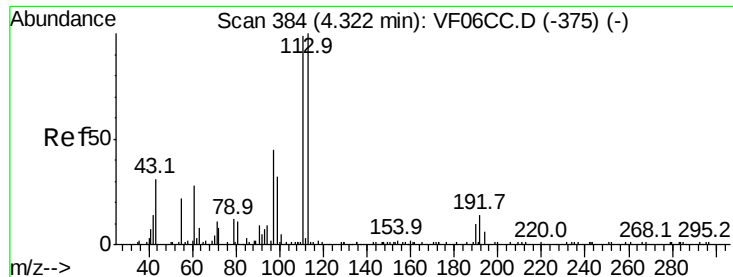
MMDadoda
 6/4/2019 12:15:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1585277		
63	17.1	0.0	34.2	
88	15.7	0.0	31.2	





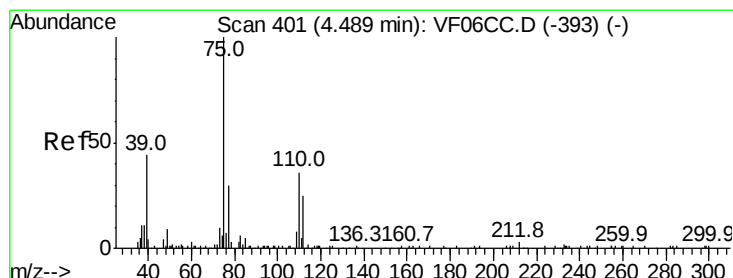
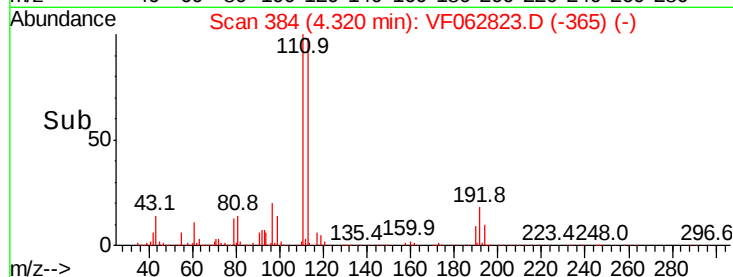
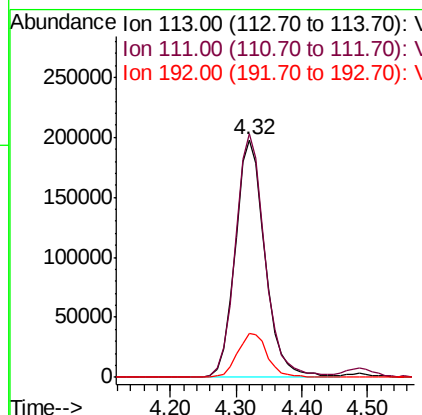
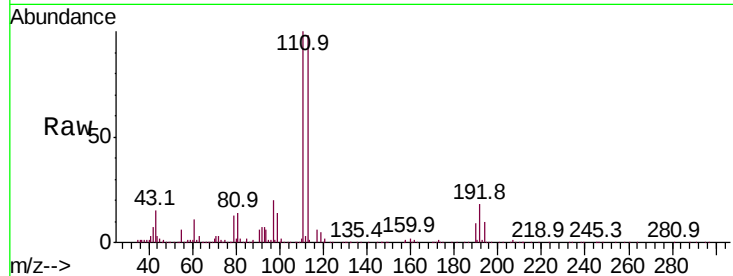
#35
Dibromofluoromethane
Concen: 52.056 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	18.5	15.1	22.7

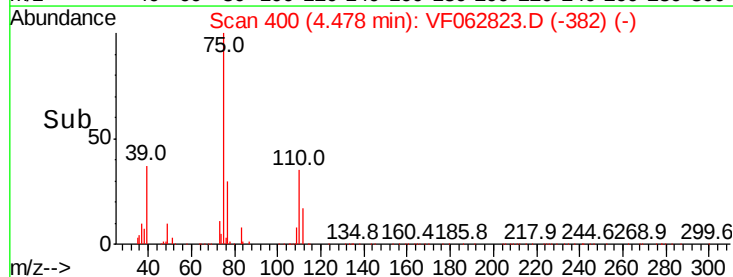
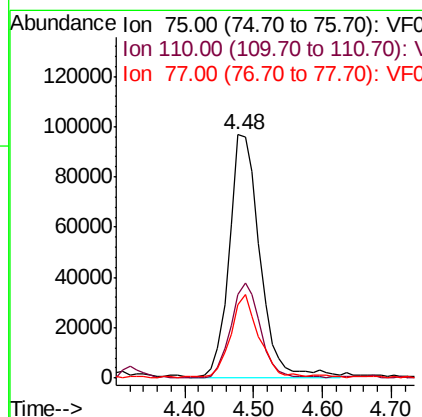
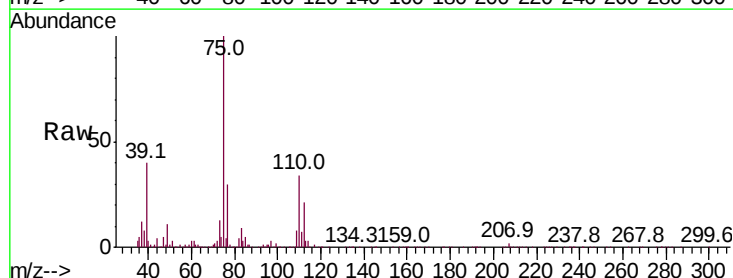
Manual Integrations
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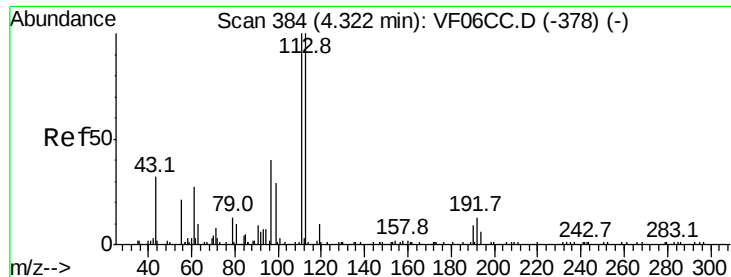
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.347 ug/l
RT: 4.48 min Scan# 400
Delta R.T. -0.02 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	19.4	58.1
77	30.4	25.4	38.2





#37

Ethyl Acetate

Concen: 20.007 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

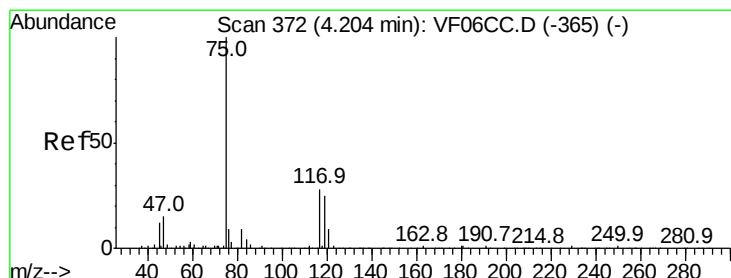
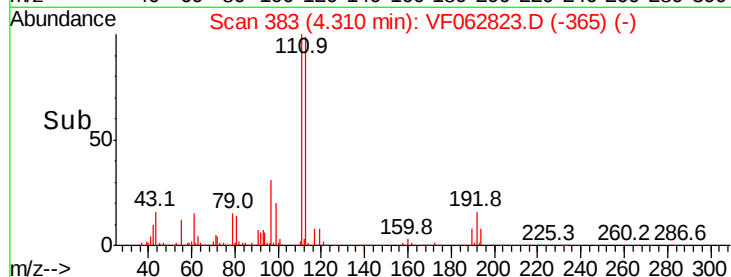
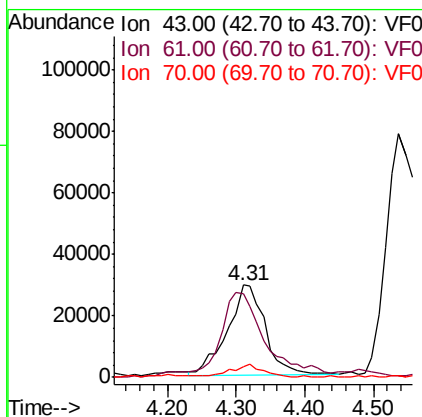
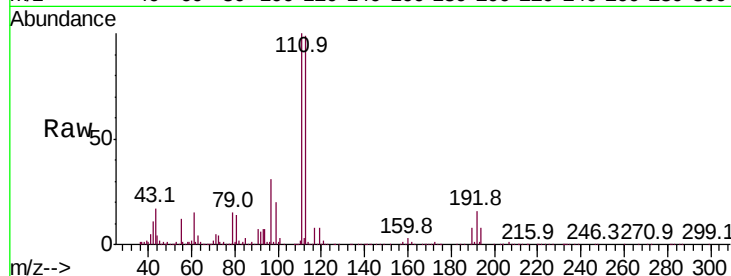
ClientSampleId :

VF0603SBS01

Tot Ion:	43	Resp:	111615
Ion Ratio	Lower	Upper	
43	100		
61	90.2	59.1	88.7#
70	11.2	10.1	15.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.935 ug/l

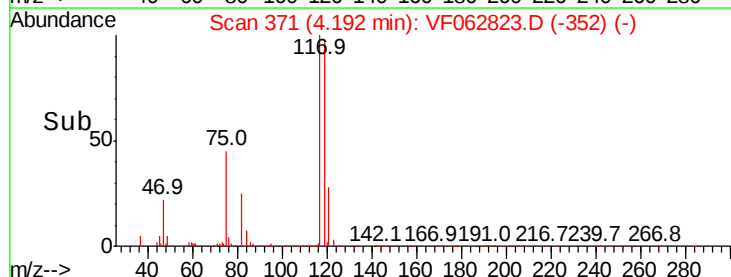
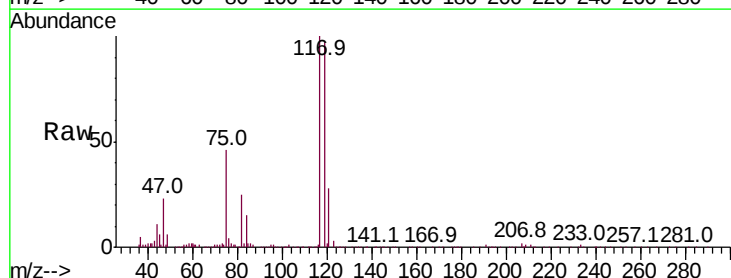
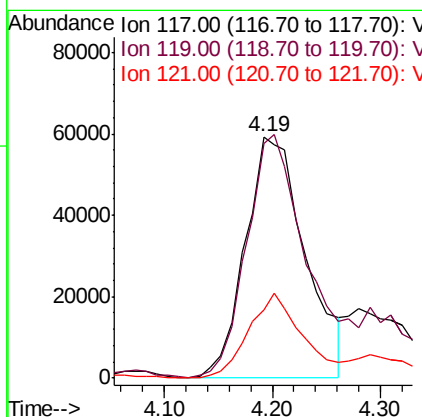
RT: 4.19 min Scan# 371

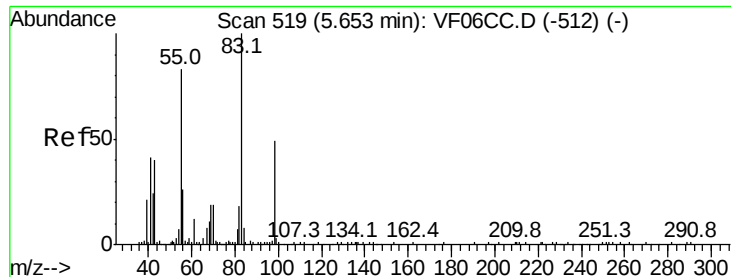
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	117	Resp:	226213
Ion Ratio	Lower	Upper	
117	100		
119	97.1	78.2	117.2
121	28.5	28.2	42.2





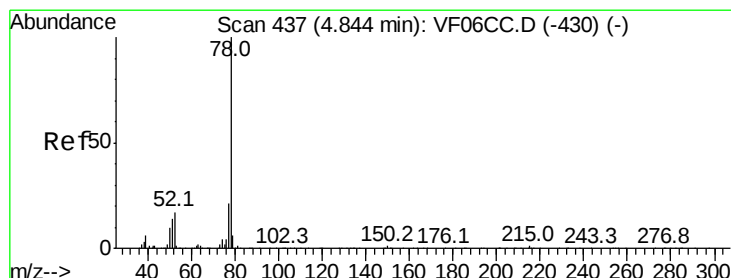
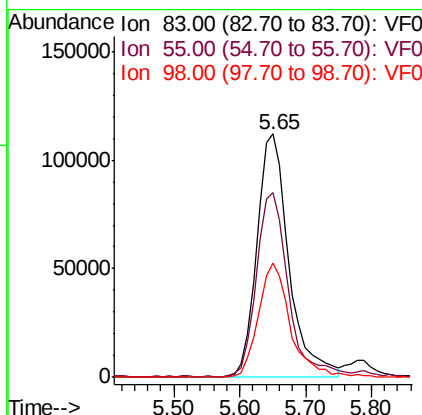
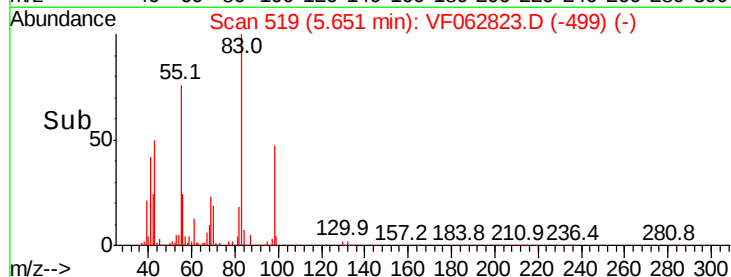
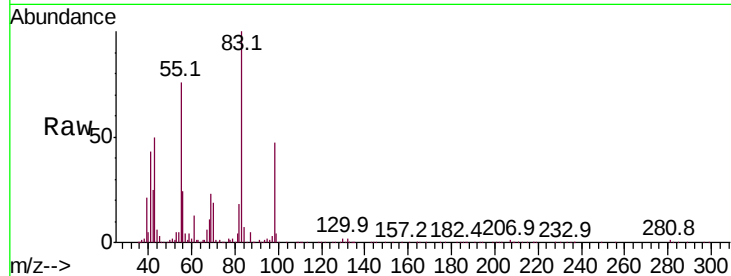
#39
Methvlcvclohexane
Concen: 21.029 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	381957		
55	76.1		61.6	92.4
98	47.1		37.4	56.2

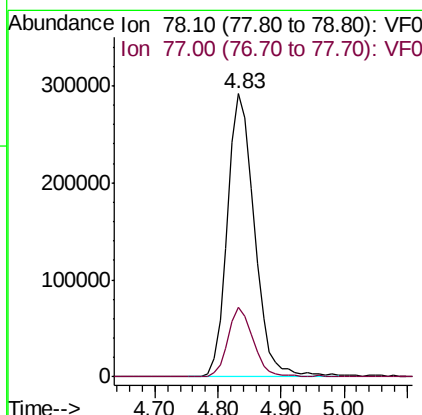
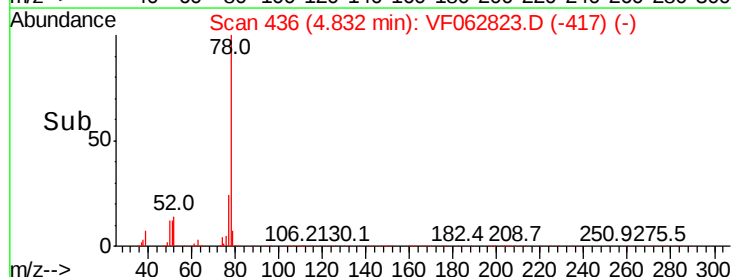
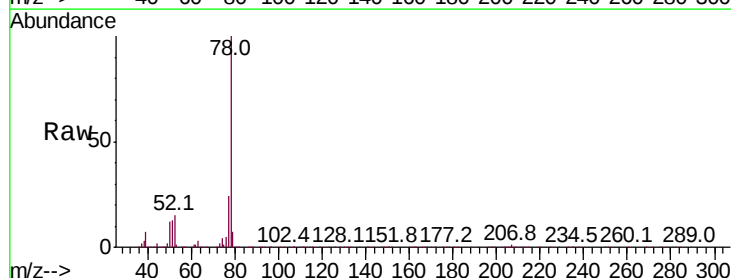
Manual Integrations
APPROVED

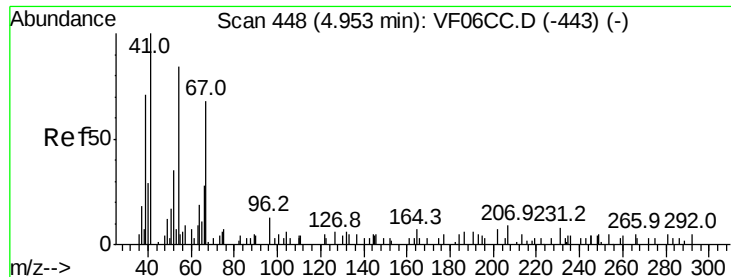
MMDadoda
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#40
Benzene
Concen: 20.356 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	864574		
77	24.5		18.9	28.3





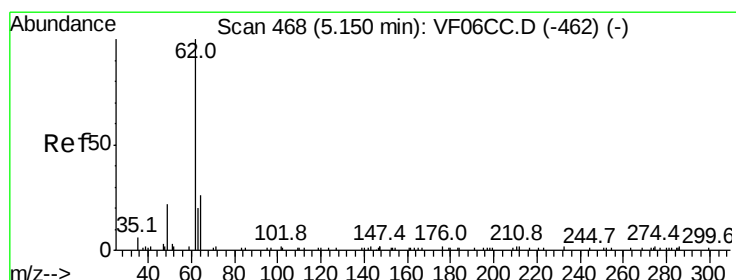
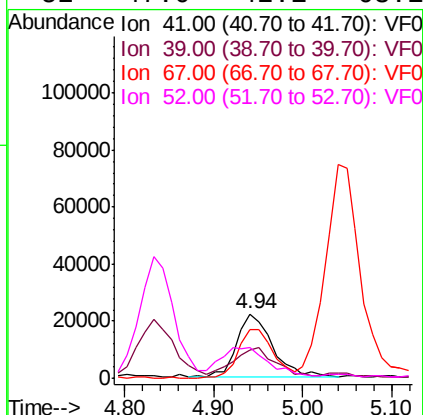
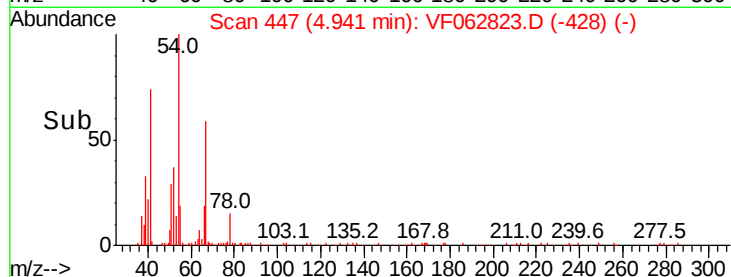
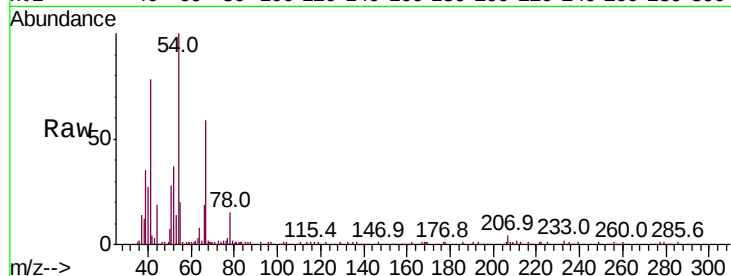
#41
Methacrylonitrile
Concen: 19.592 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.5	42.0	63.0
67	75.7	61.4	92.0
52	47.0	42.1	63.1

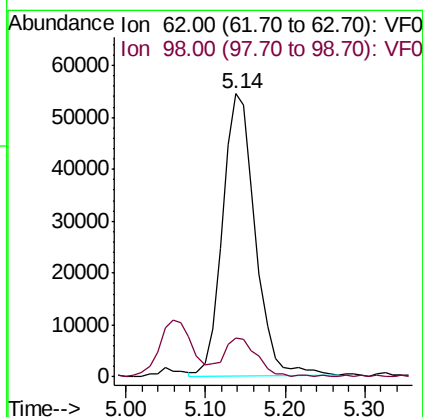
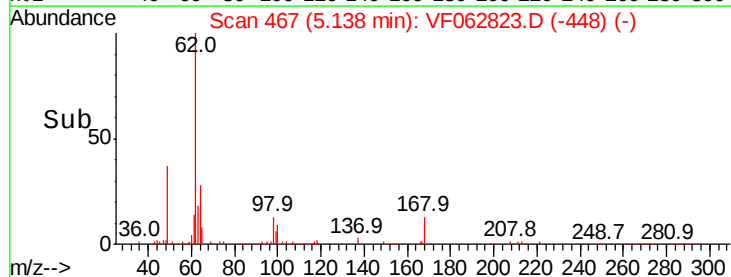
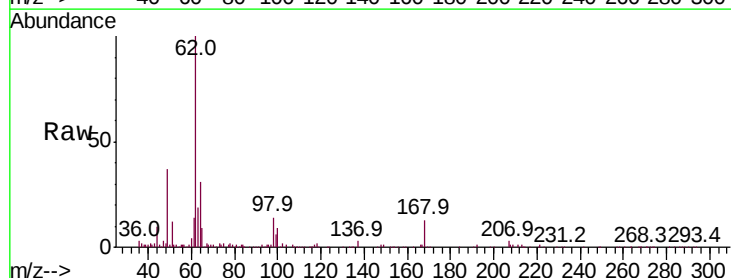
Manual Integrations
APPROVED

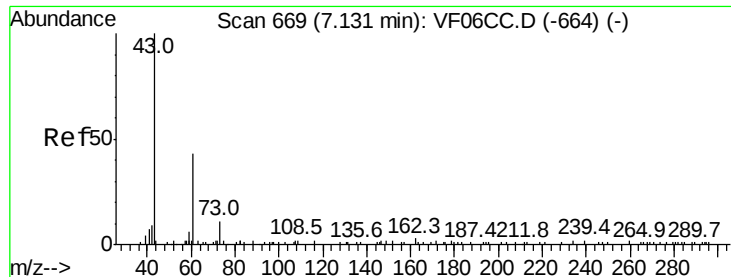
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.322 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.6	0.0	24.0





#43

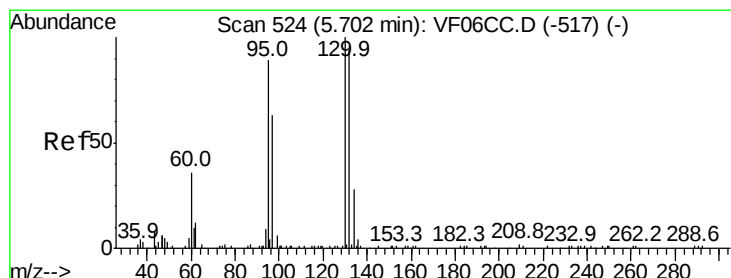
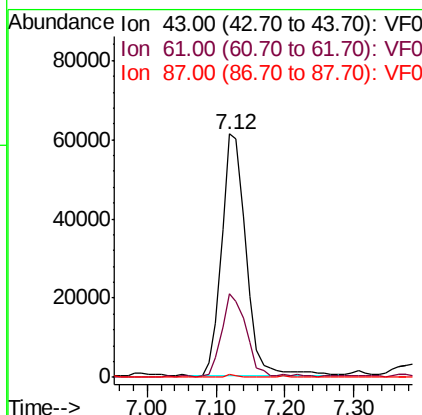
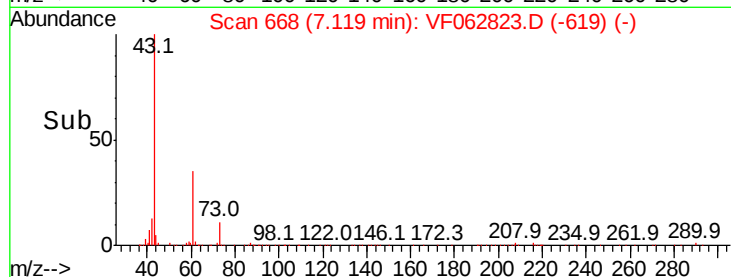
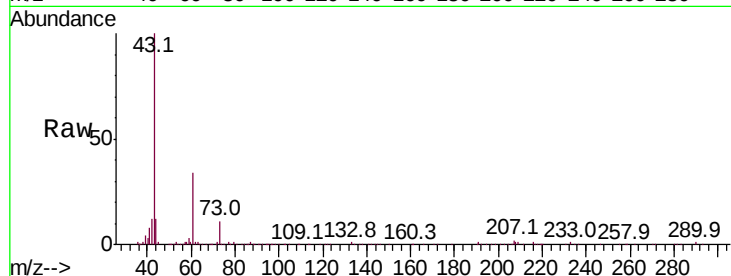
Isopropyl Acetate
 Concen: 20.226 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.3	29.8	44.6
87	1.0	0.3	0.5

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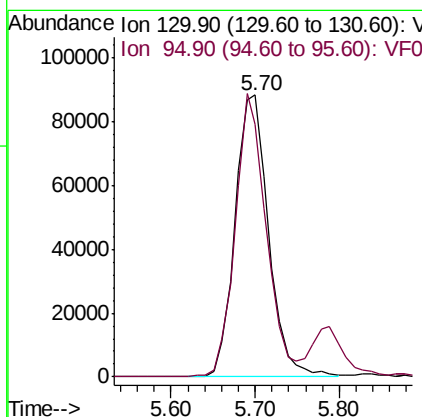
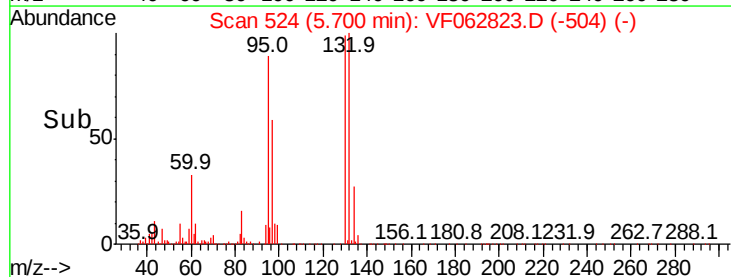
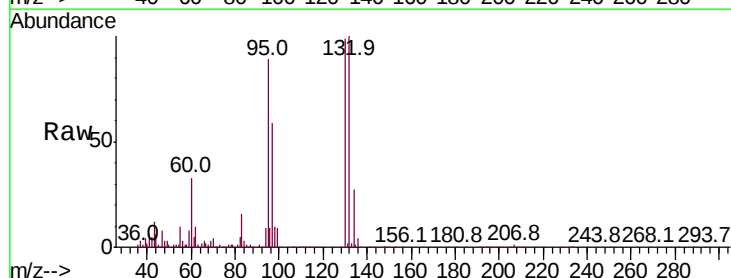
MMDadoda
 6/4/2019 12:15:44 PM

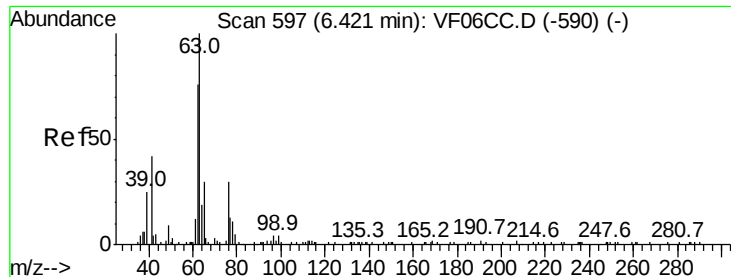


#44

Trichloroethene
 Concen: 20.460 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	188.2





#45

1,2-Dichloropropane

Concen: 20.885 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion: 63 Resp: 222600

Ion Ratio Lower Upper

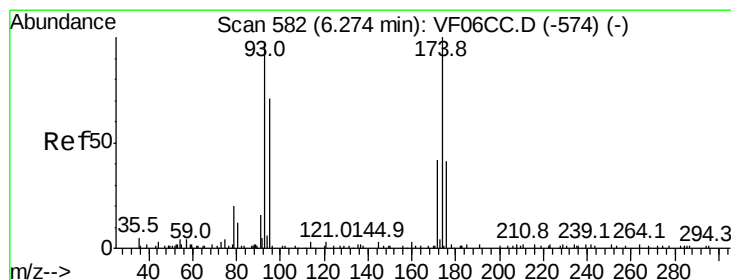
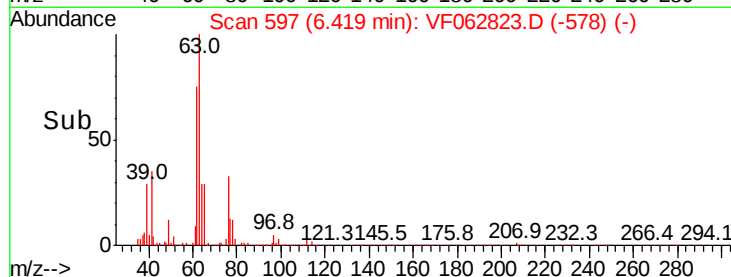
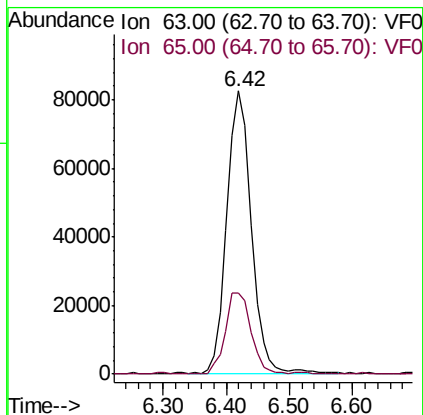
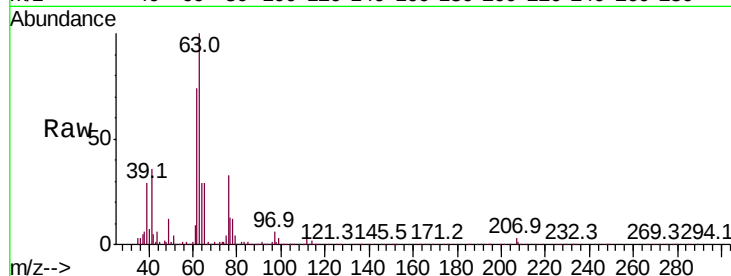
63 100

65 28.6 24.2 36.2

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#46

Dibromomethane

Concen: 21.225 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

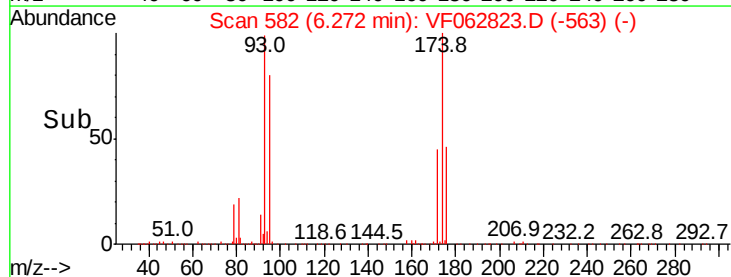
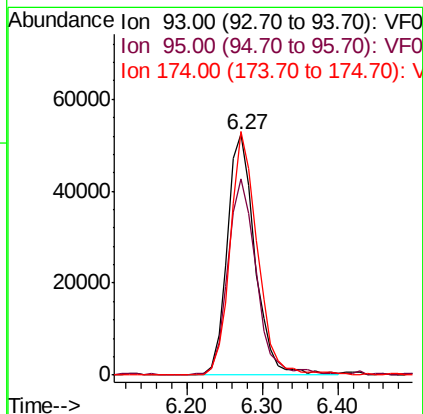
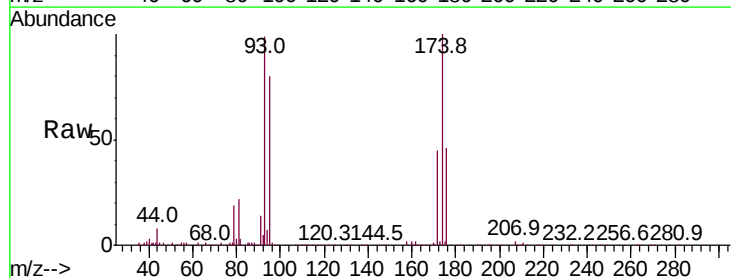
Tgt Ion: 93 Resp: 132085

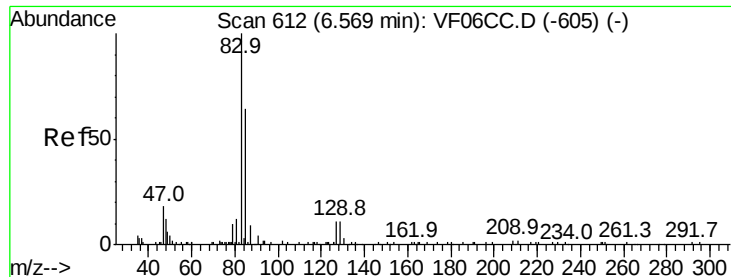
Ion Ratio Lower Upper

93 100

95 81.4 67.9 101.9

174 101.2 85.0 127.4





#47

Bromodichloromethane

Concen: 19.778 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.02 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

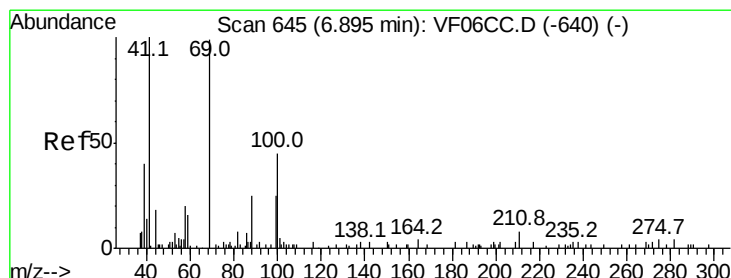
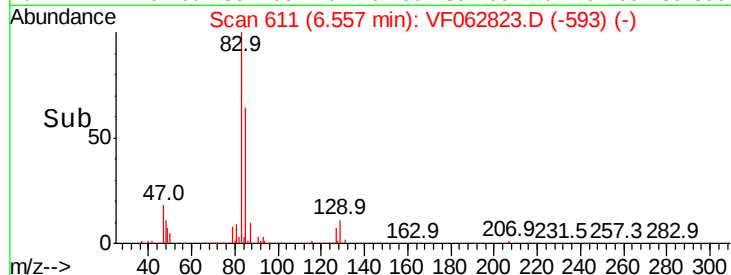
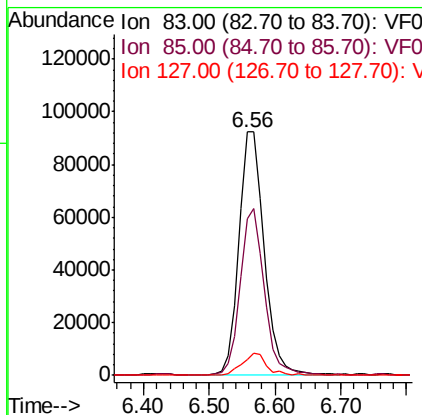
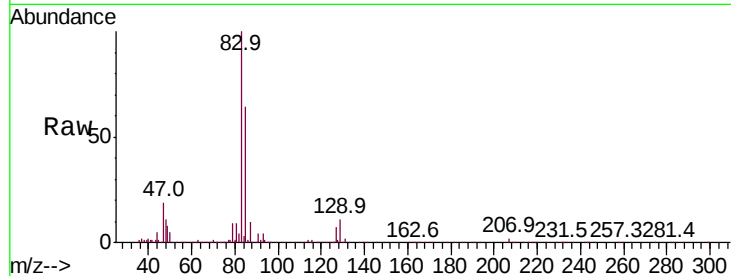
ClientSampleId :

VF0603SBS01

Tot Ion:	83	Resp:	250660
Ion Ratio	Lower	Upper	
83	100		
85	64.4	54.2	81.4
127	6.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.902 ug/l

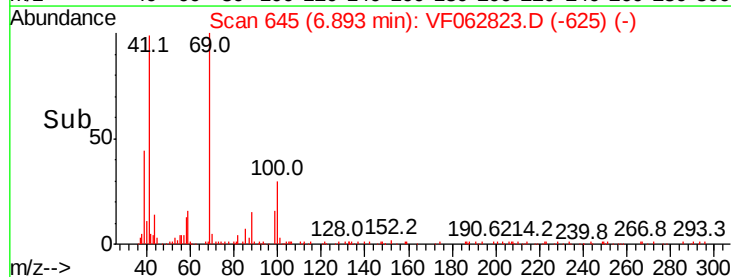
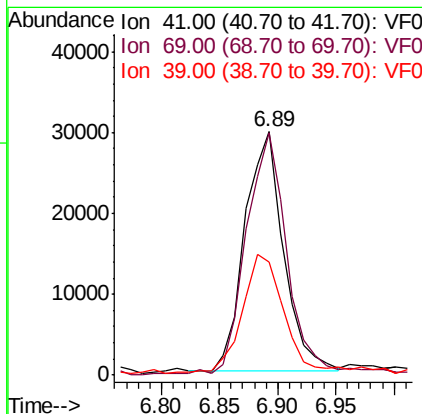
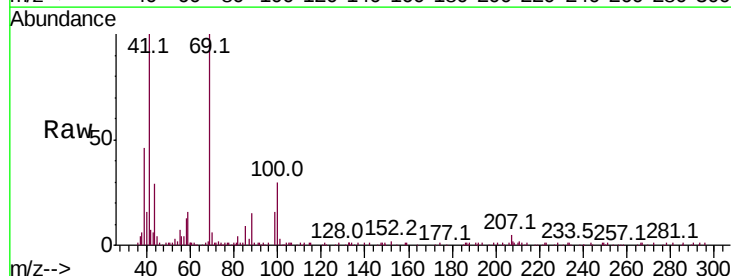
RT: 6.89 min Scan# 645

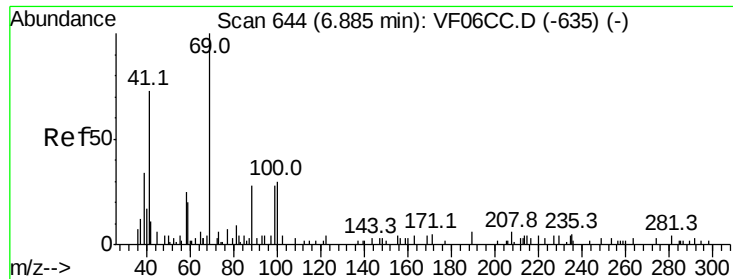
Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	41	Resp:	67992
Ion Ratio	Lower	Upper	
41	100		
69	99.8	79.4	119.2
39	46.3	39.8	59.6





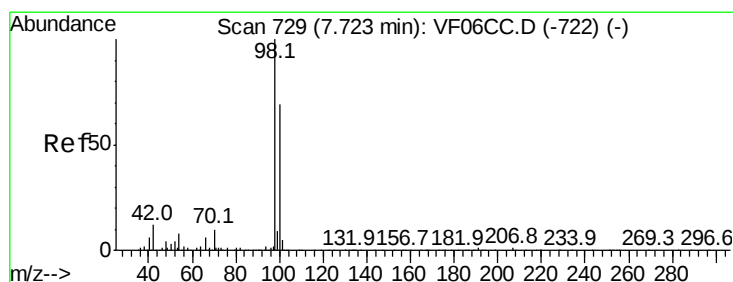
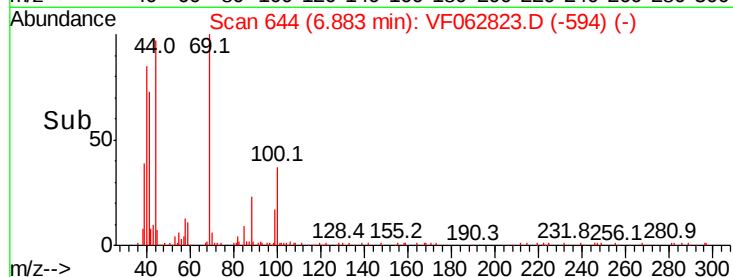
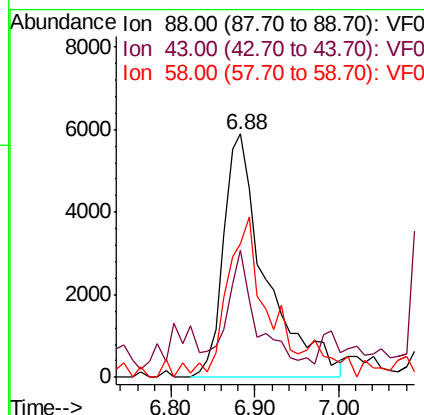
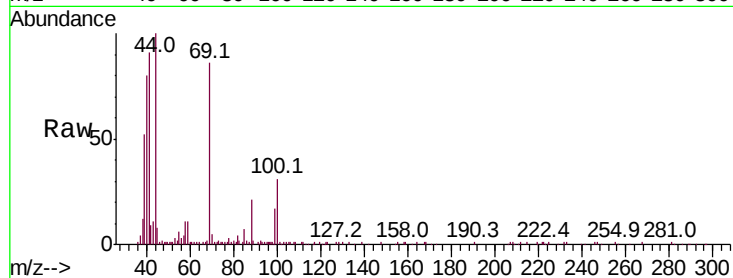
#49
1,4-Dioxane
Concen: 415.464 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	88	Resp	20799
Ion Ratio	Lower	Upper	
88	100		
43	52.0	34.8	52.2
58	54.7	59.9	89.9#

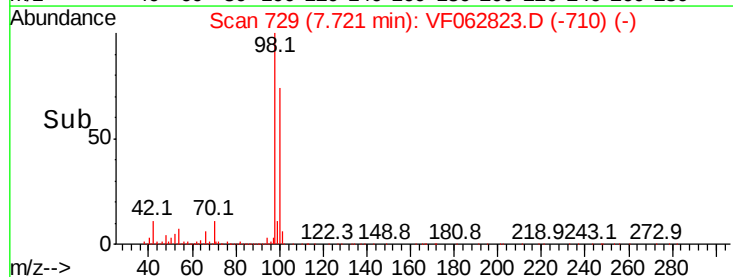
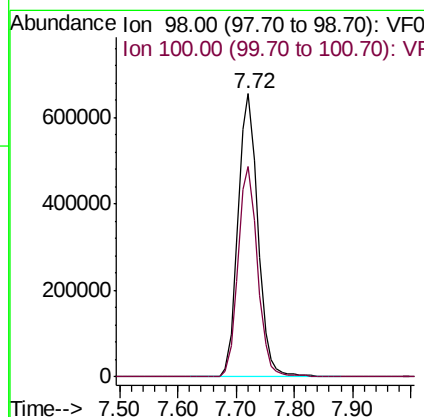
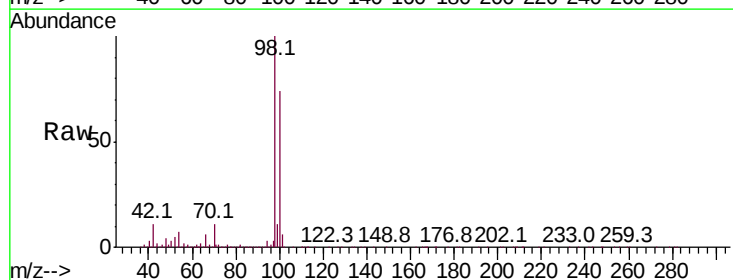
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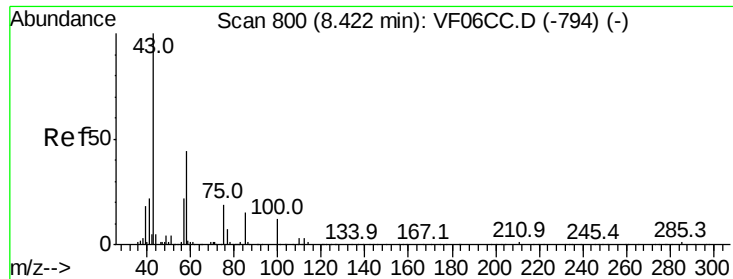
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#50
Toluene-d8
Concen: 51.795 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	98	Resp	1569001
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
98	100		
100	74.3	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 105.854 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion: 43 Resp: 556945

Ion Ratio Lower Upper

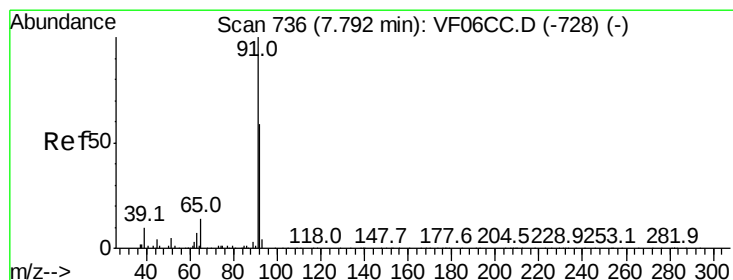
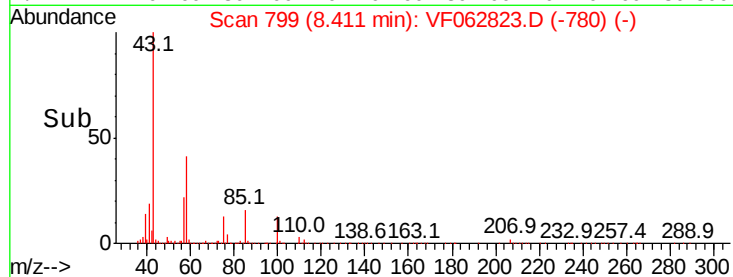
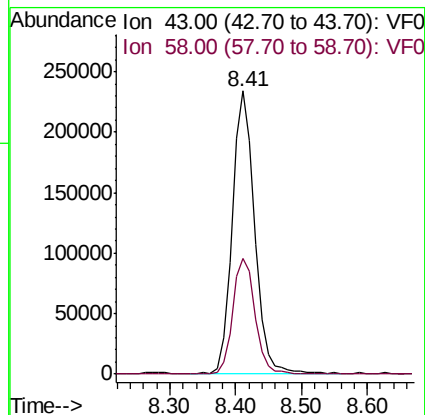
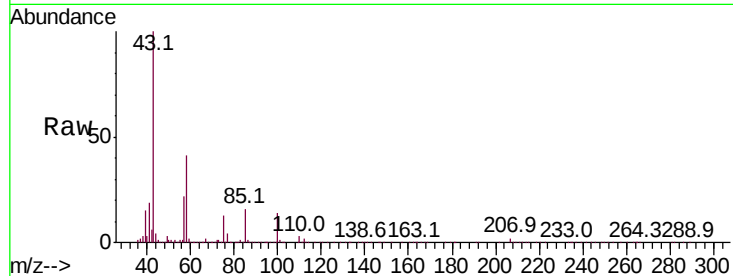
43 100

58 41.1 35.5 53.3

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#52

Toluene

Concen: 20.443 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062823.D

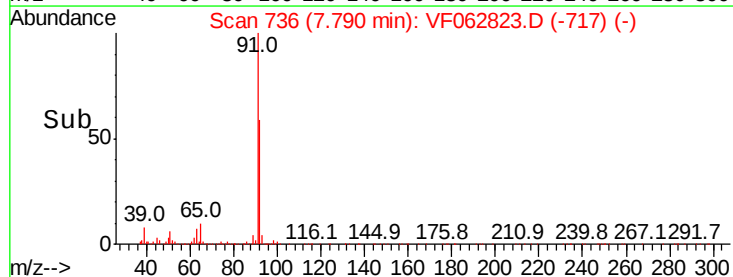
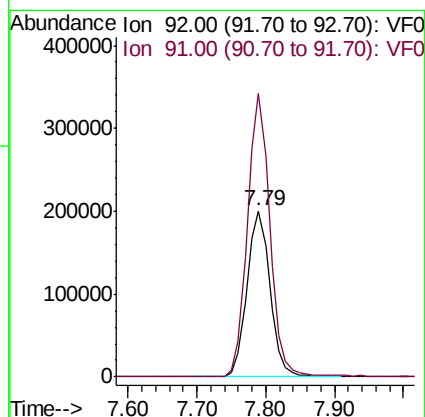
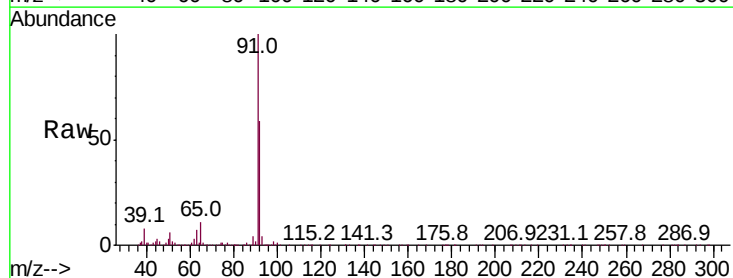
Acq: 3 Jun 2019 12:36

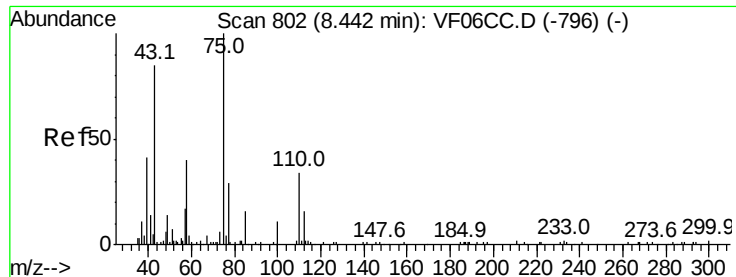
Tgt Ion: 92 Resp: 467678

Ion Ratio Lower Upper

92 100

91 170.4 123.2 184.8





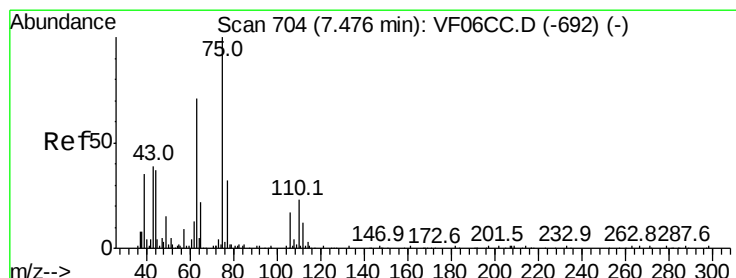
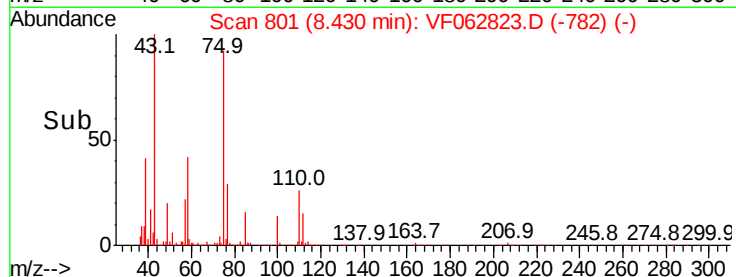
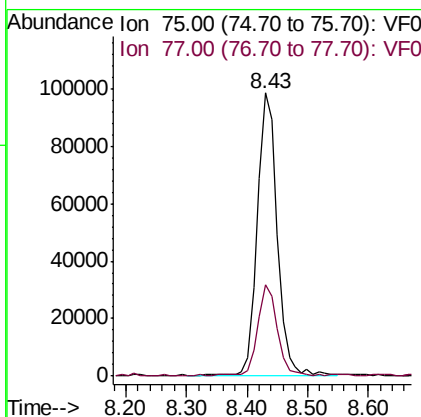
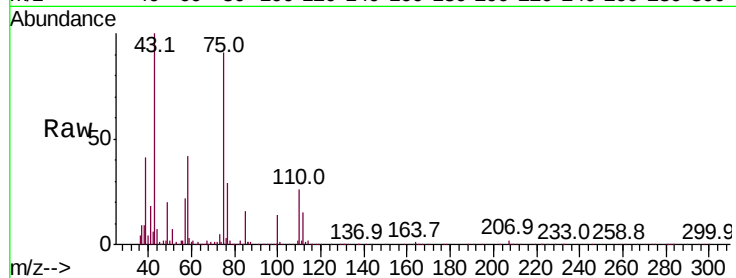
#53
t-1,3-Dichloropropene
Concen: 21.662 ug/l
RT: 8.43 min Scan# 801
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5

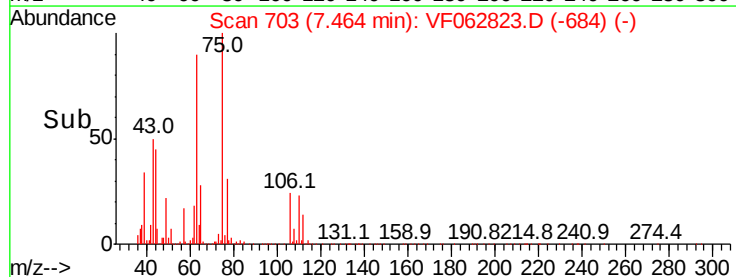
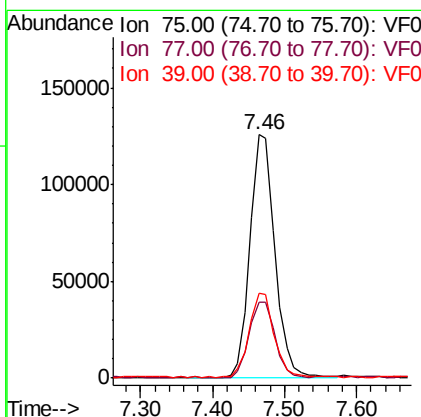
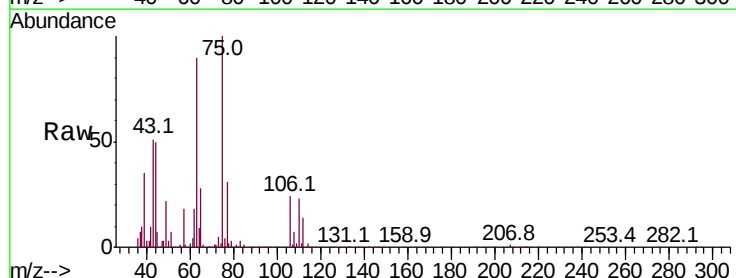
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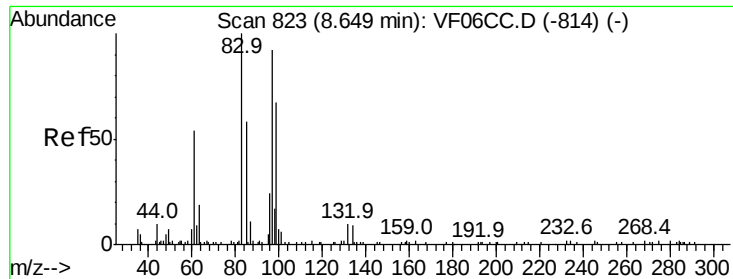
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#54
cis-1,3-Dichloropropene
Concen: 20.220 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	34.9	28.4	42.6





#55

1,1,2-Trichloroethane

Concen: 20.814 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

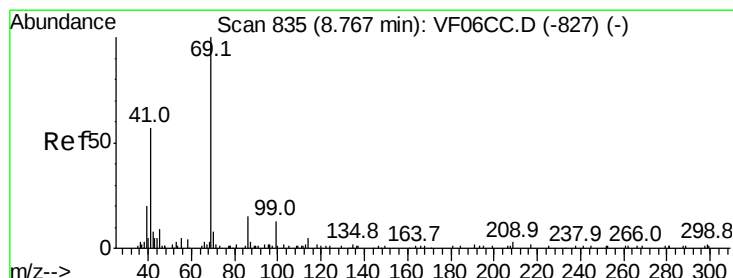
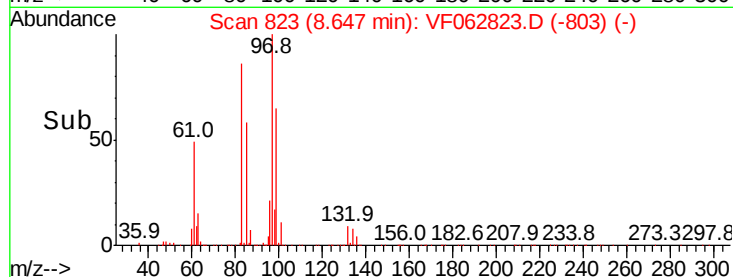
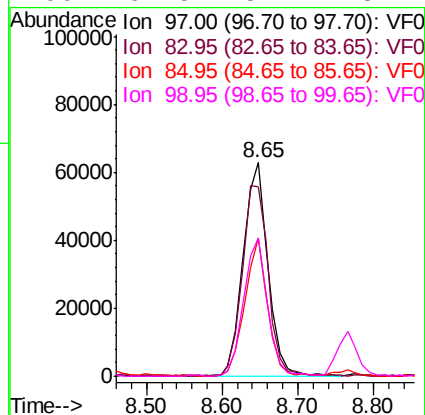
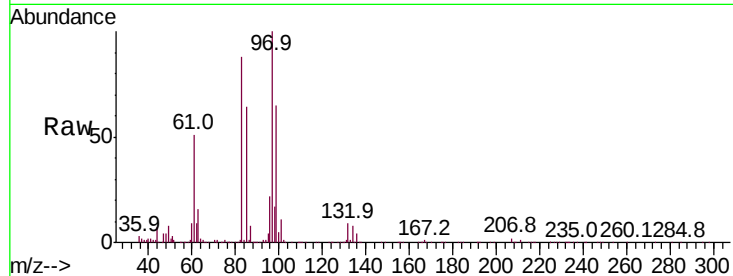
ClientSampleId :

VF0603SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	72.0	108.0
85	64.5	47.5	71.3
99	64.5	54.1	81.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.155 ug/l

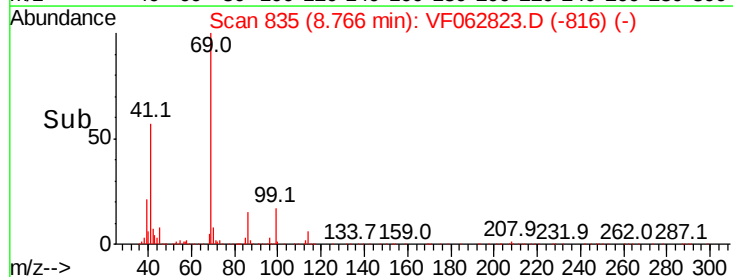
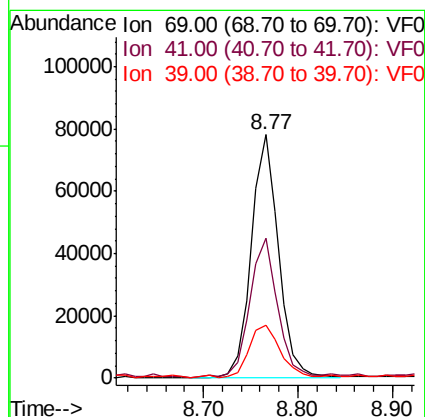
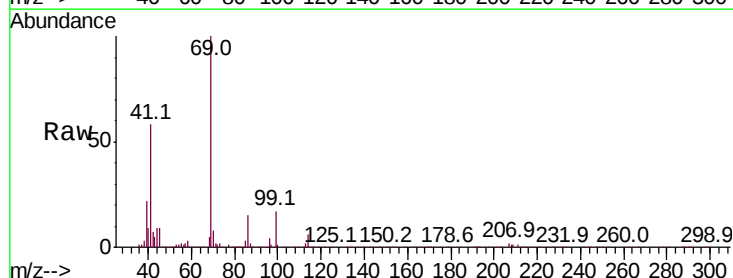
RT: 8.77 min Scan# 835

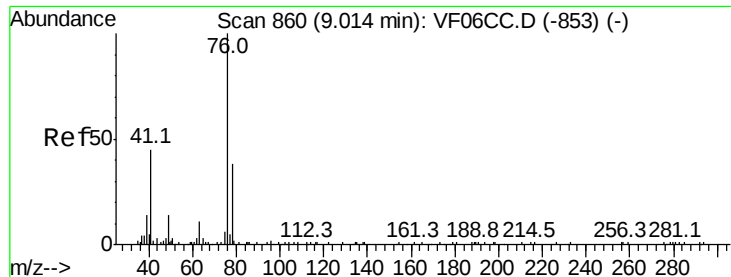
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	57.5	46.6	69.8
39	21.7	19.6	29.4





#57

1,3-Dichloropropane

Concen: 20.793 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

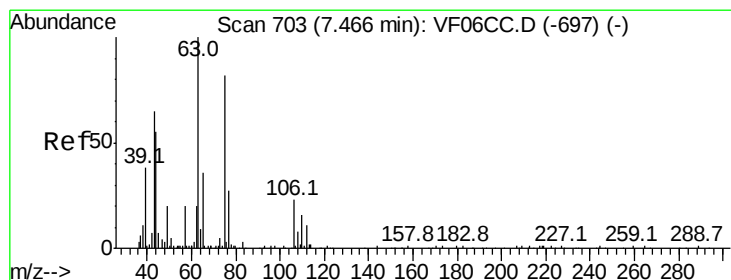
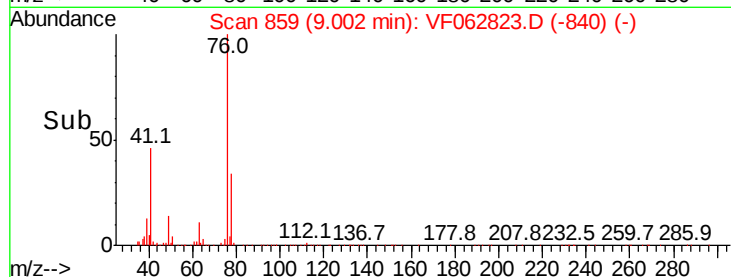
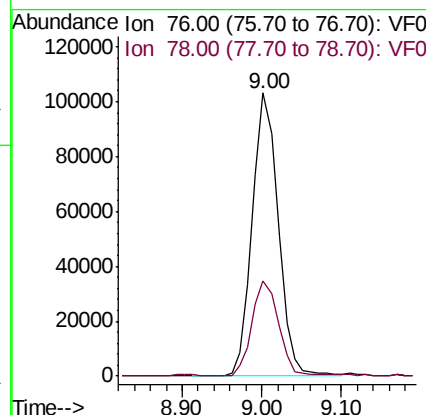
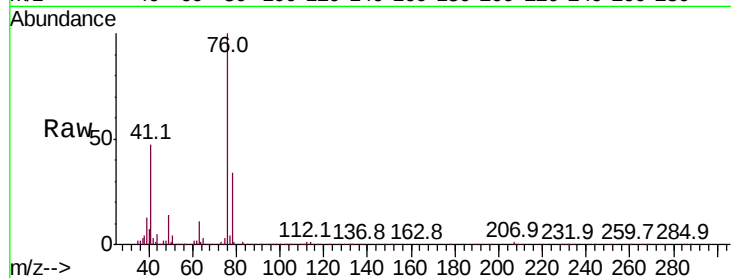
Instrument :
MSVOA_F

ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.8	40.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 105.688 ug/l

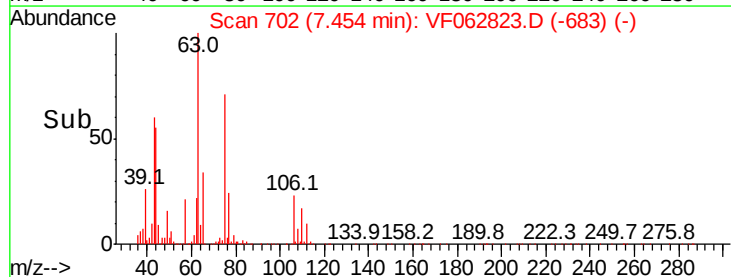
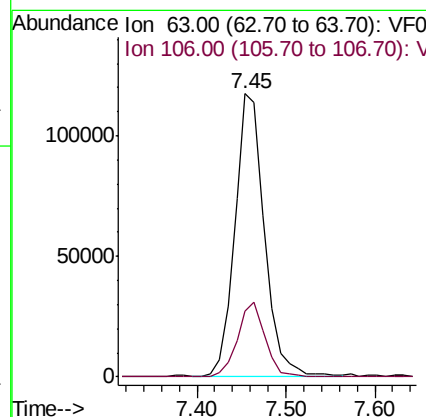
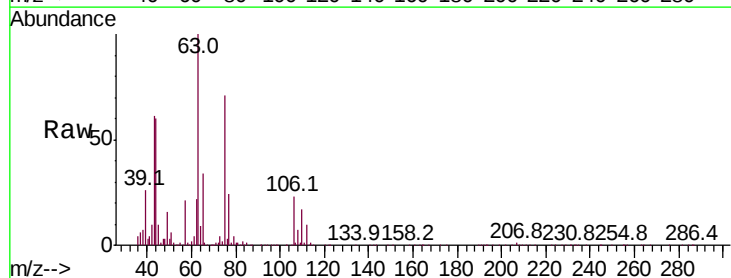
RT: 7.45 min Scan# 702

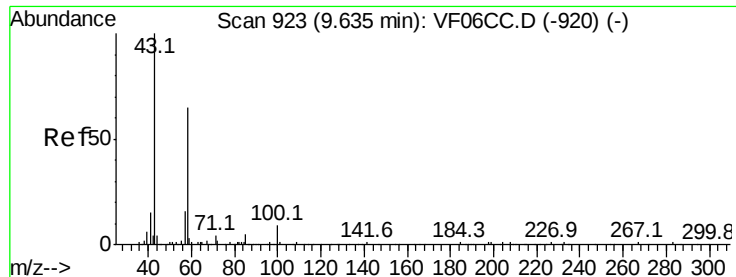
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.2	19.5	29.3





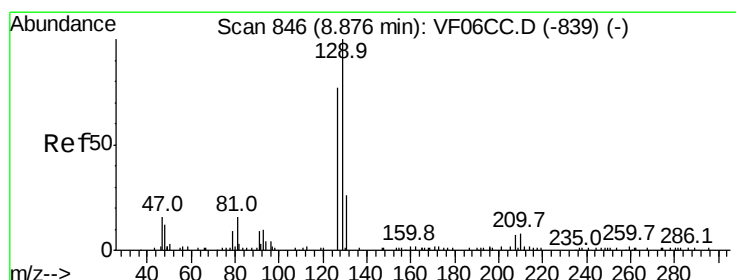
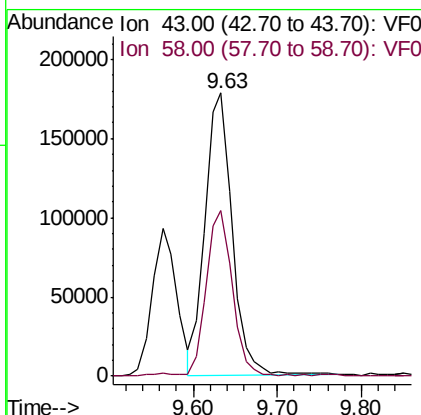
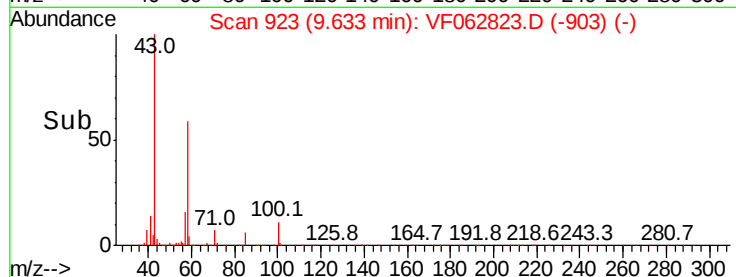
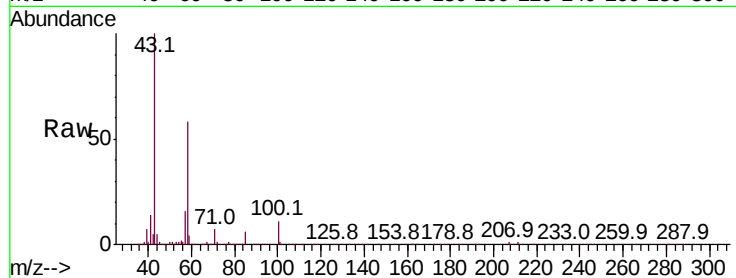
#59
2-Hexanone
Concen: 105.829 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion: 43 Resp: 396877
Ion Ratio Lower Upper
43 100
58 58.5 29.3 87.9

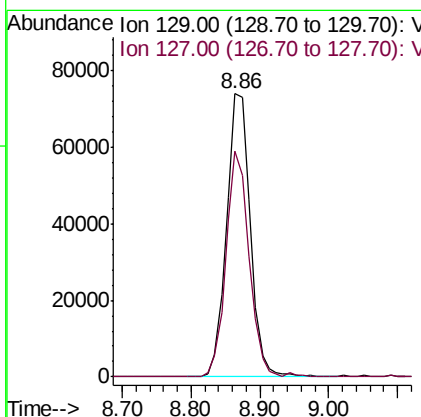
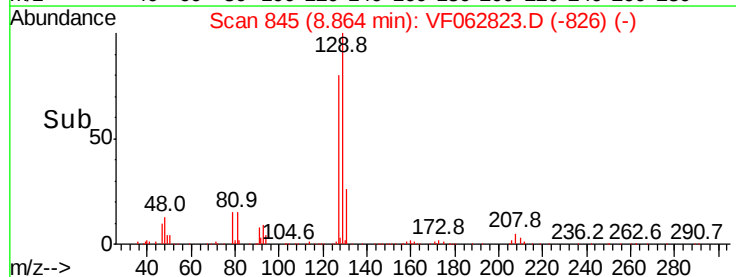
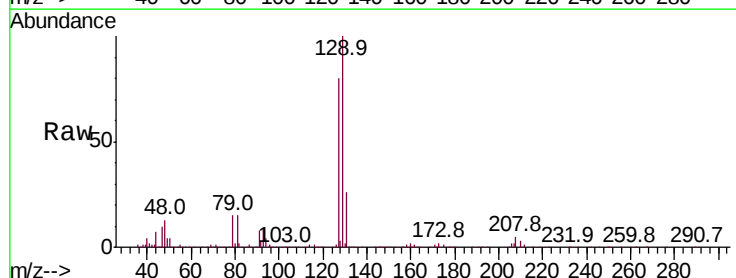
Manual Integrations
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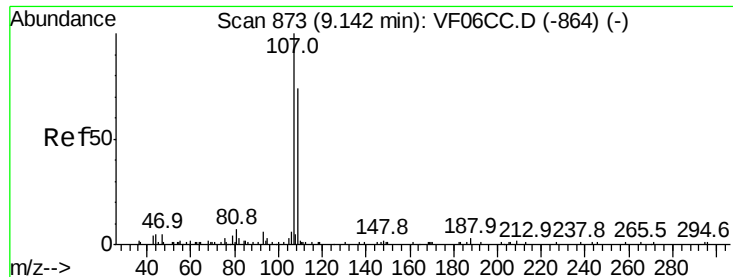
MMDadoda
6/4/2019 12:15:44 PM



#60
Dibromochloromethane
Concen: 20.869 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion: 129 Resp: 176579
Ion Ratio Lower Upper
129 100
127 79.6 37.1 111.3





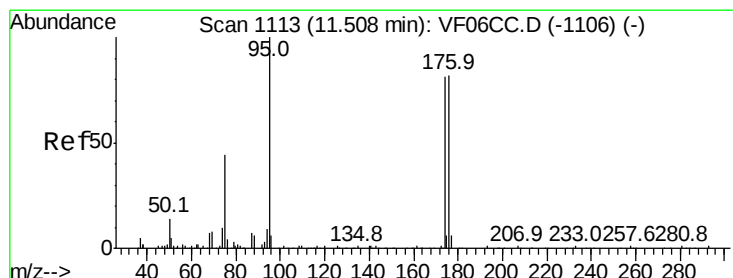
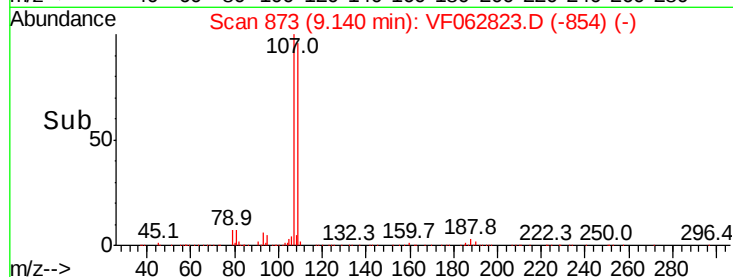
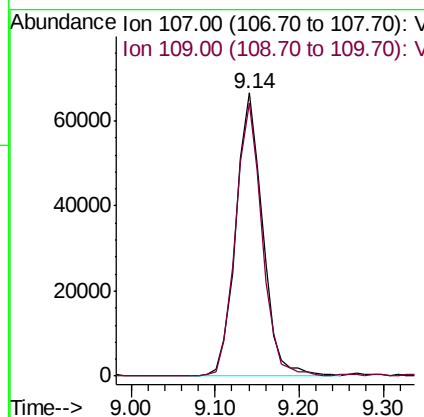
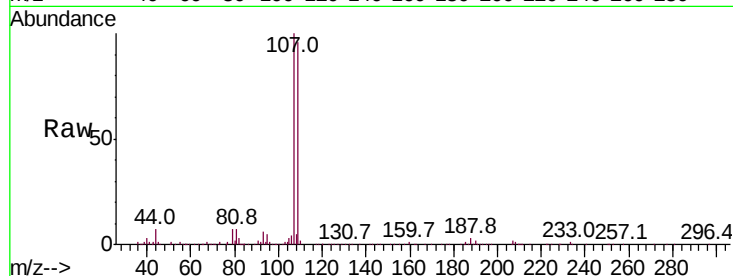
#61
 1,2-Dibromoethane
 Concen: 20.777 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	78.1	117.1

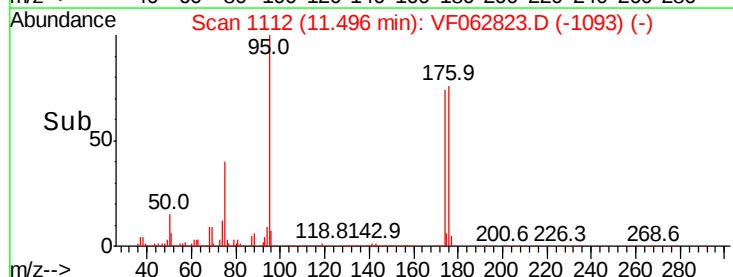
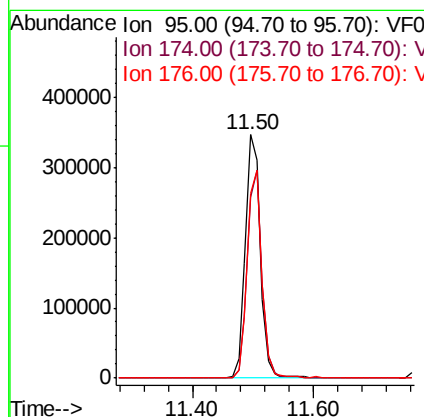
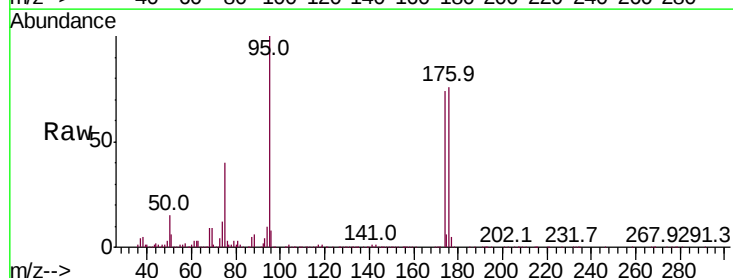
Manual Integrations
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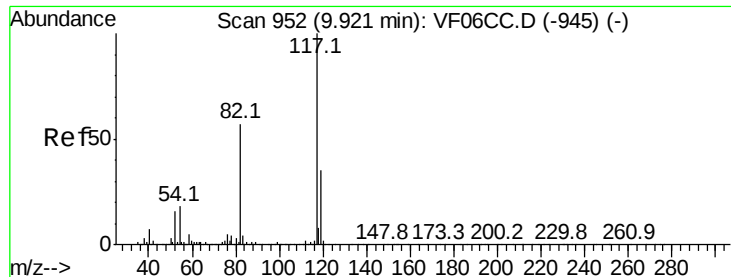
MMDadoda
 6/4/2019 12:15:44 PM



#62
 4-Bromofluorobenzene
 Concen: 54.843 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	170.6
176	75.8	0.0	170.6





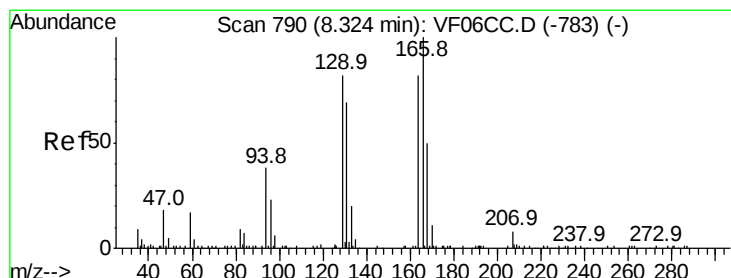
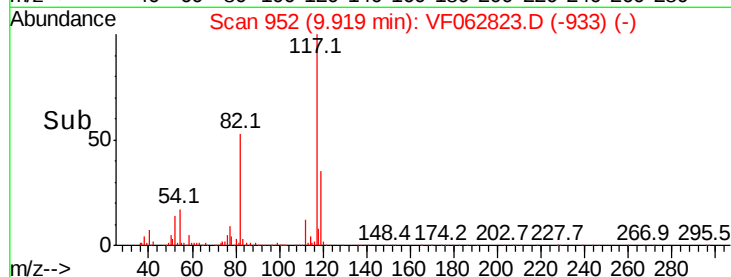
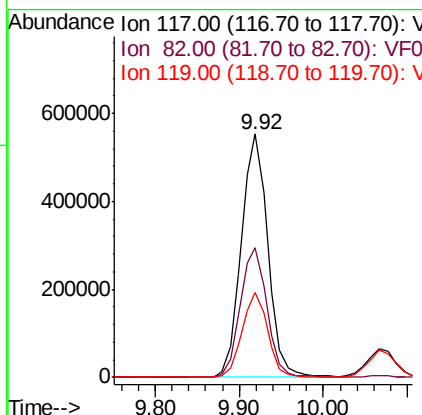
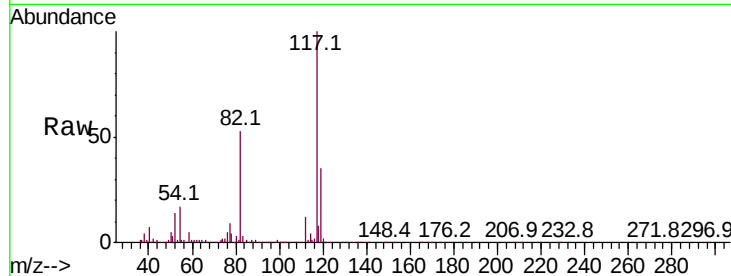
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	34.7	27.1	40.7

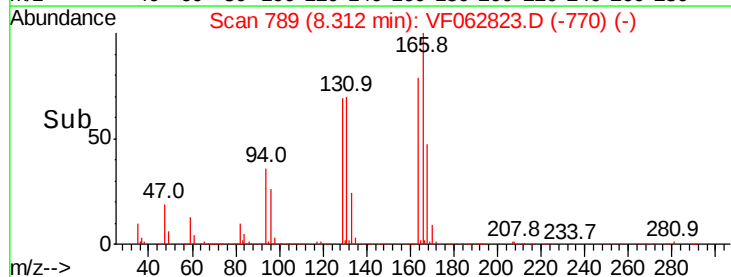
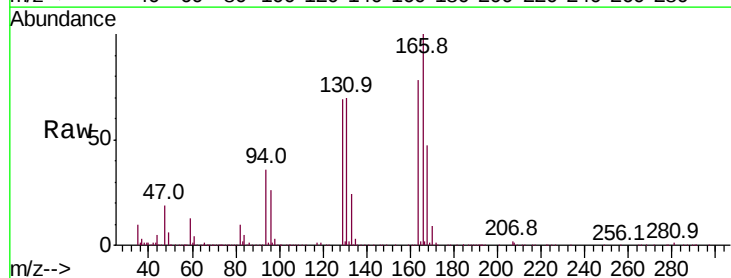
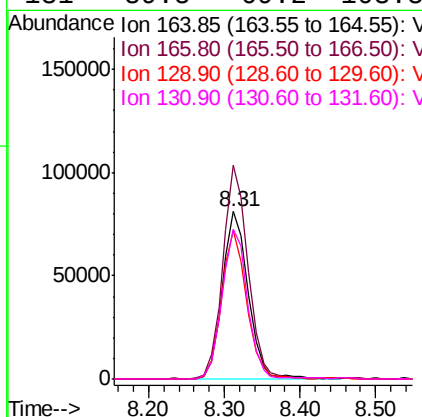
Manual Integrations
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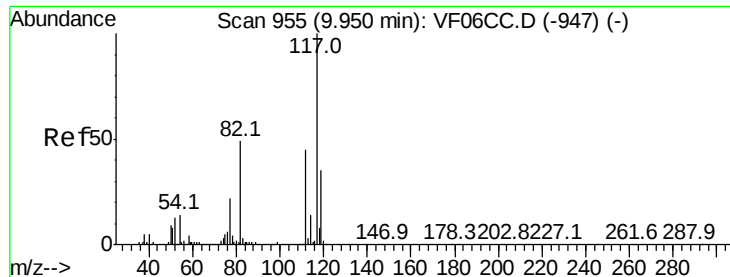
MMDadoda
6/4/2019 12:15:44 PM



#64
Tetrachloroethene
Concen: 20.444 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.1	148.7
129	88.4	69.5	104.3
131	89.5	69.2	103.8





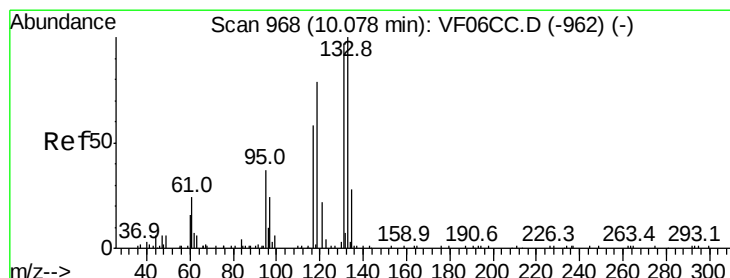
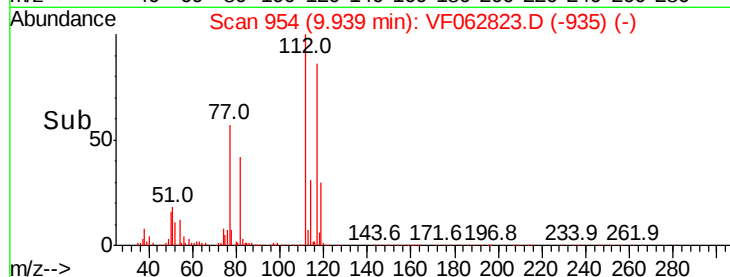
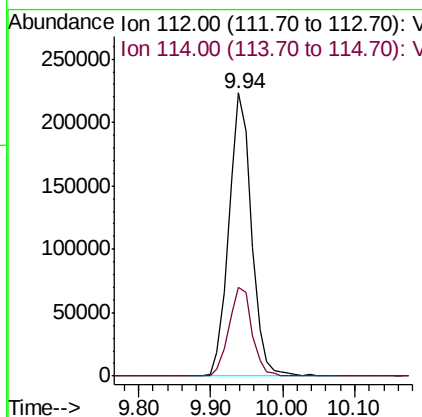
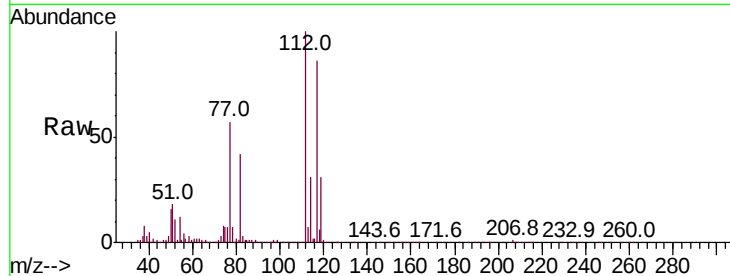
#65
Chlorobenzene
Concen: 20.807 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	489123		
114	31.3	27.4	41.0	

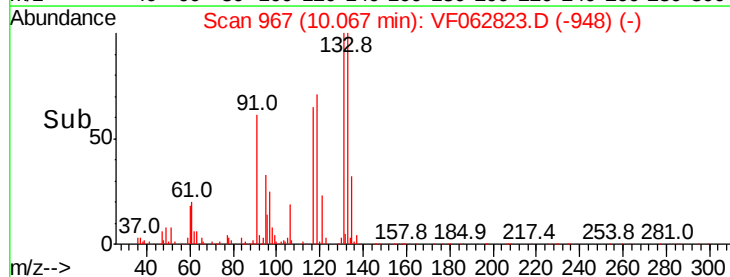
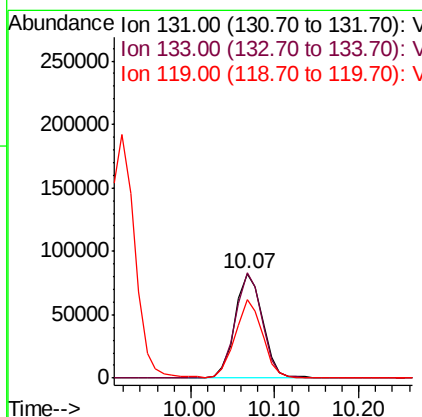
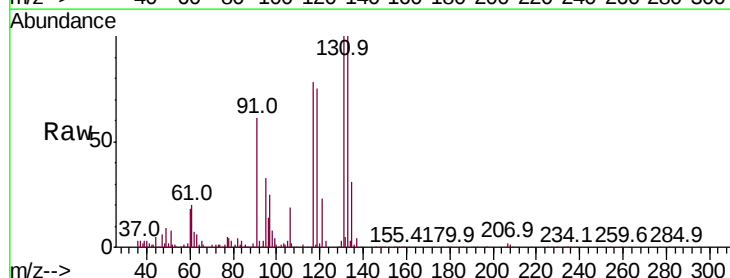
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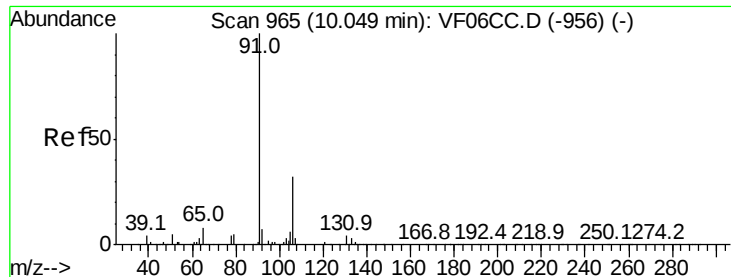
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.250 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	189582		
133	100.4	48.9	146.7	
119	74.8	38.0	114.0	





#67

Ethyl Benzene

Concen: 20.836 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion: 91 Resp: 840510

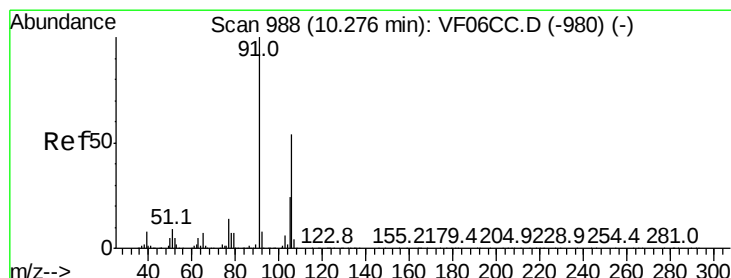
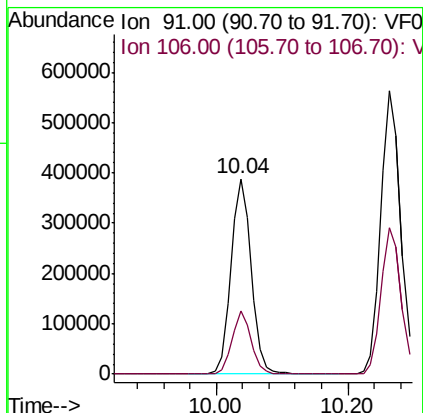
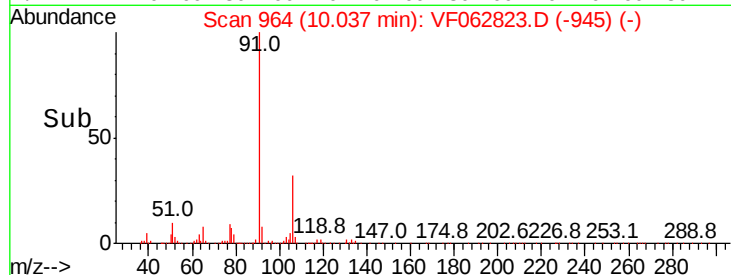
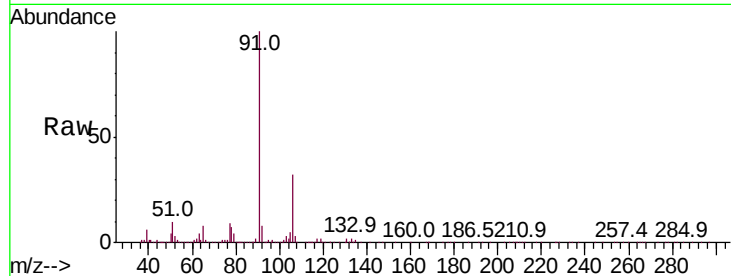
Ion Ratio Lower Upper

91 100

106 32.0 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.859 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062823.D

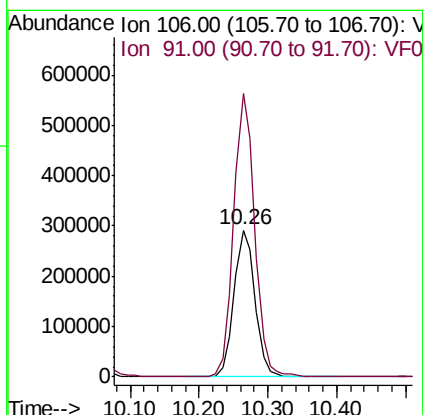
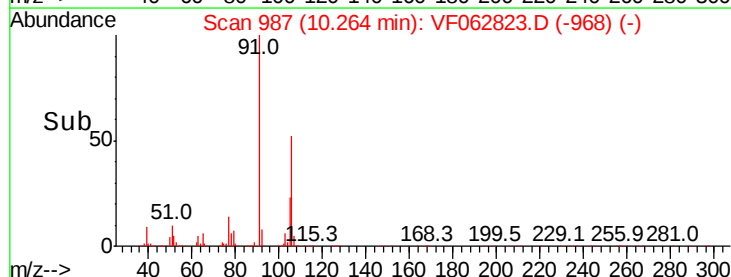
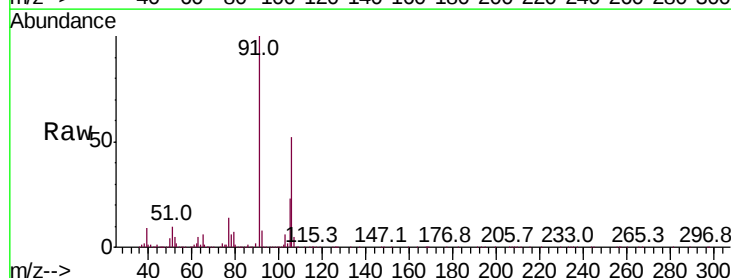
Acq: 3 Jun 2019 12:36

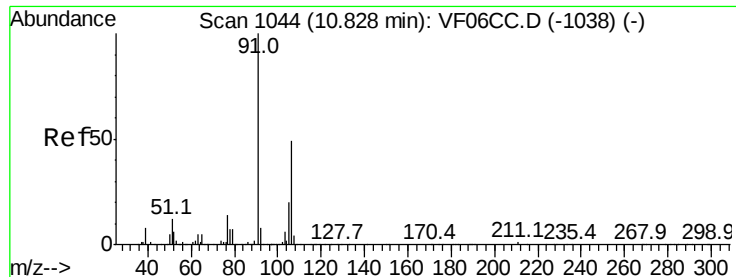
Tgt Ion: 106 Resp: 615291

Ion Ratio Lower Upper

106 100

91 192.9 136.2 204.4





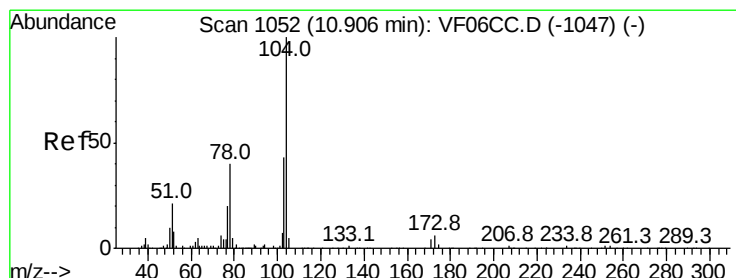
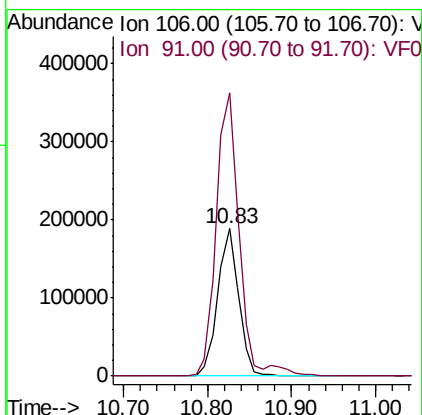
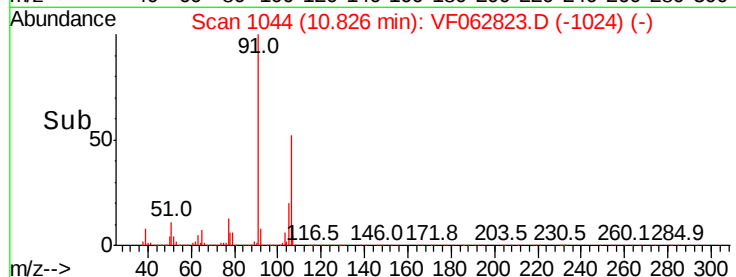
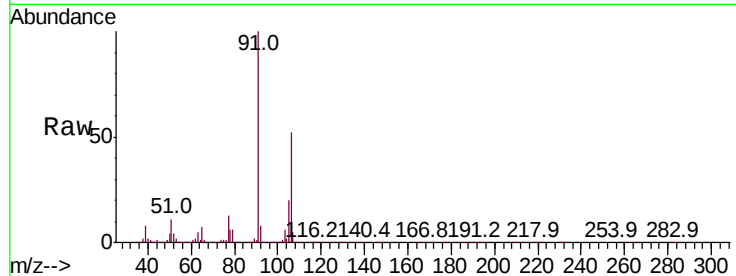
#69
o-Xylene
Concen: 21.246 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	332051		
91	192.1	96.6	289.8	

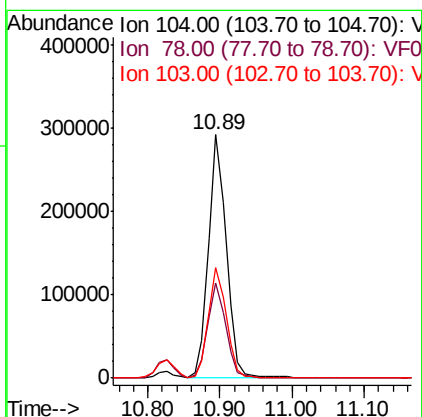
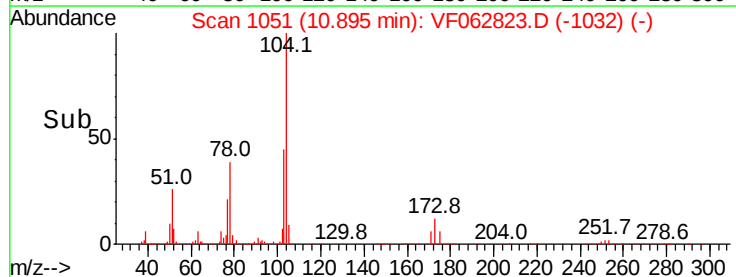
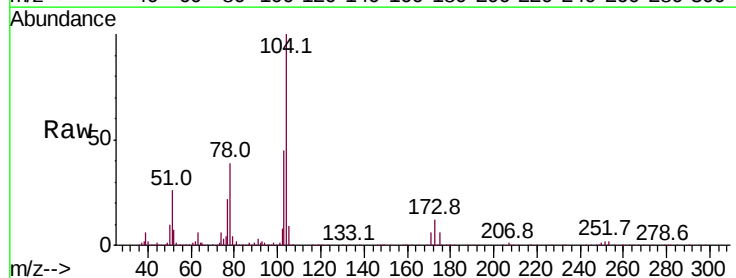
Manual Integrations
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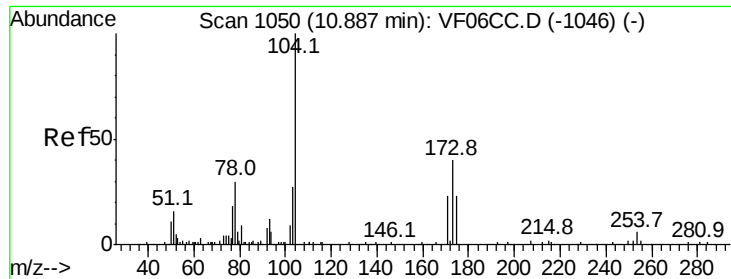
MMDadoda
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#70
Styrene
Concen: 21.694 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	499742		
78	39.1	30.8	46.2	
103	45.3	35.8	53.6	





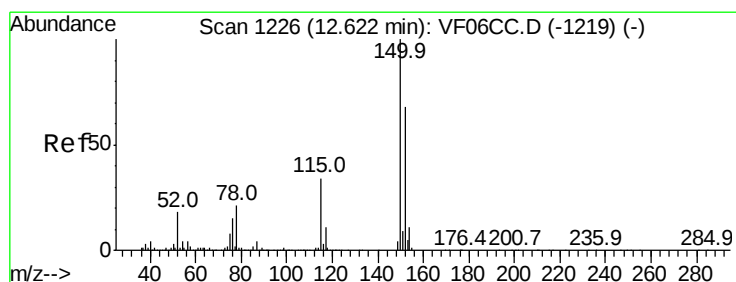
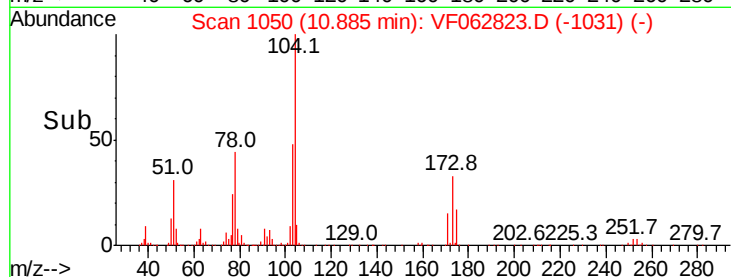
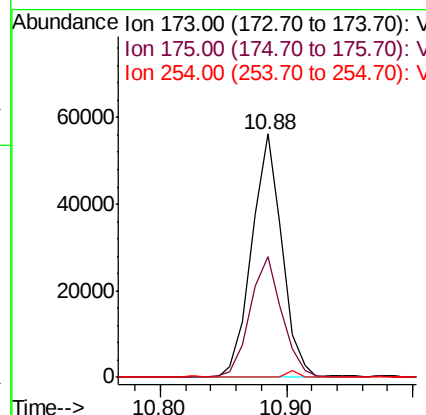
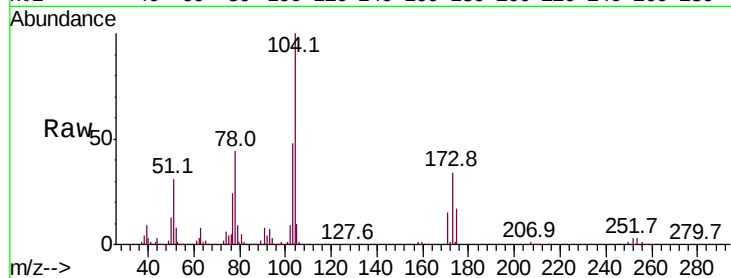
#71
Bromoform
Concen: 20.949 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.3	0.1	0.1#

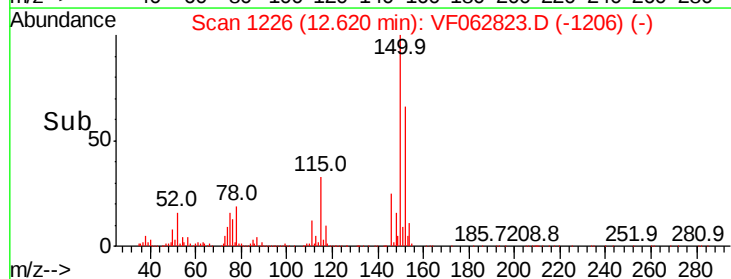
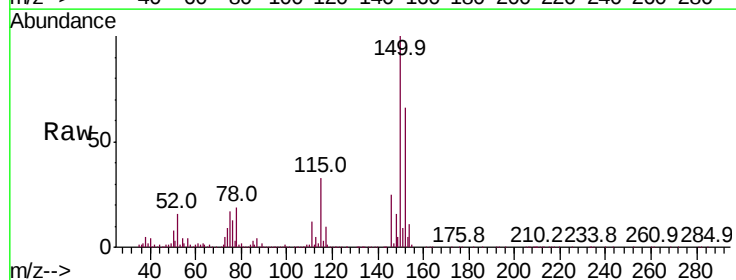
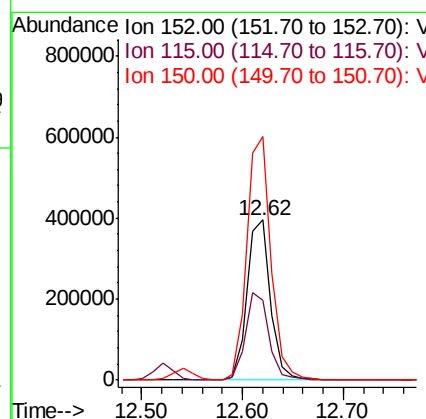
Manual Integrations
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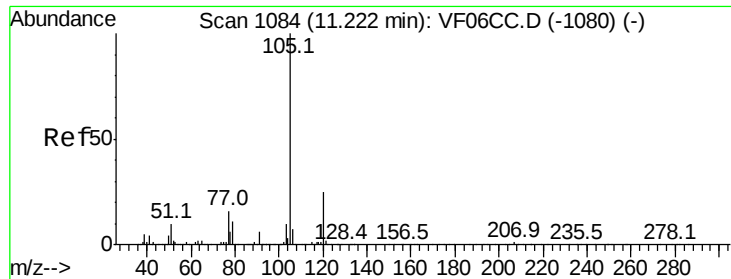
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.2	24.6	74.0
150	151.9	0.0	290.6





#73

Isopropylbenzene

Concen: 19.001 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VF0603SBS01

Tot Ion:105 Resp: 849721

Ion Ratio Lower Upper

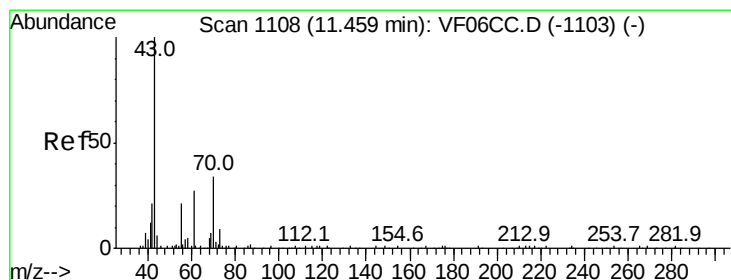
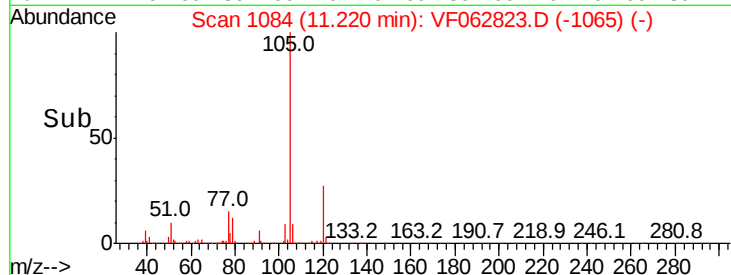
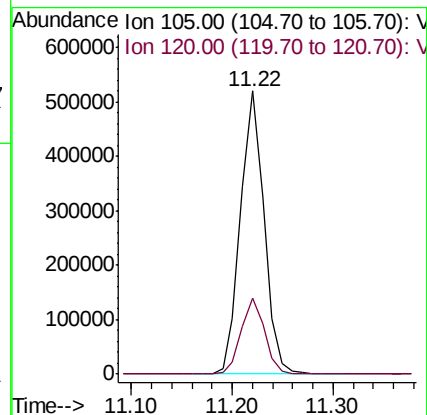
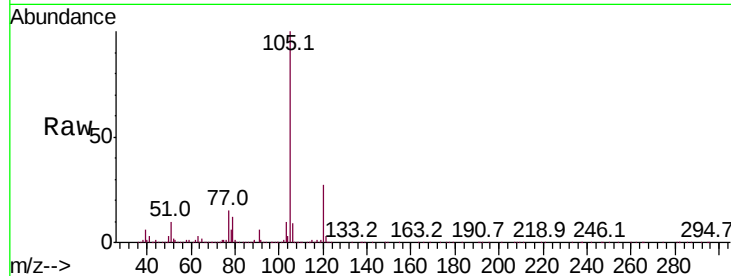
105 100

120 27.1 15.1 45.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.091 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion: 43 Resp: 228021

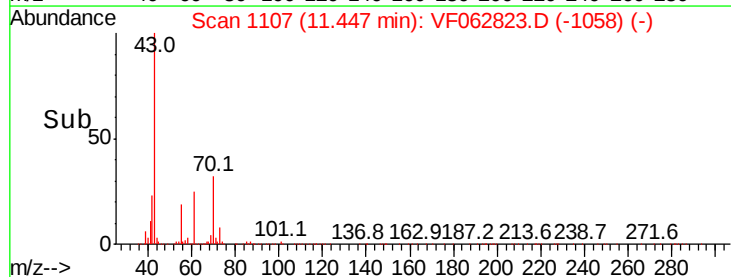
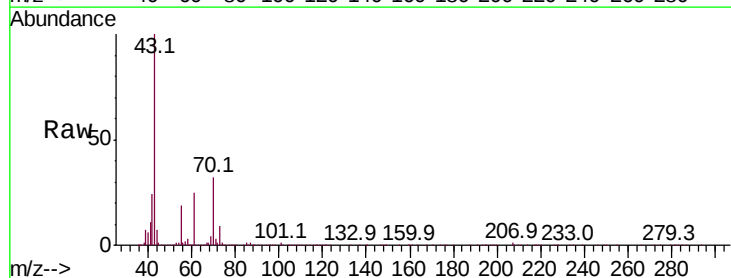
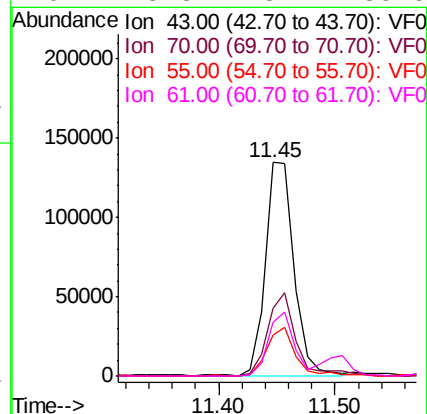
Ion Ratio Lower Upper

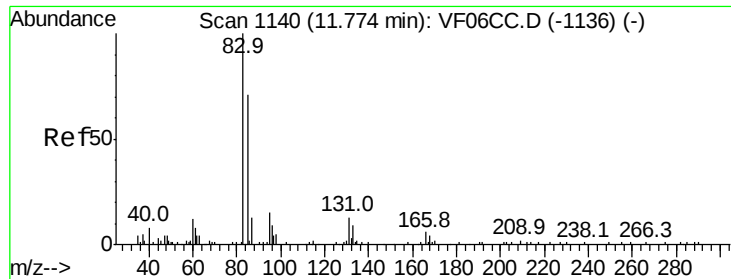
43 100

70 31.8 32.9 49.3#

55 19.4 17.3 25.9

61 25.3 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.348 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

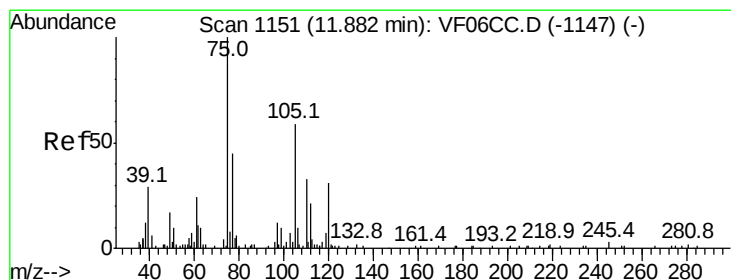
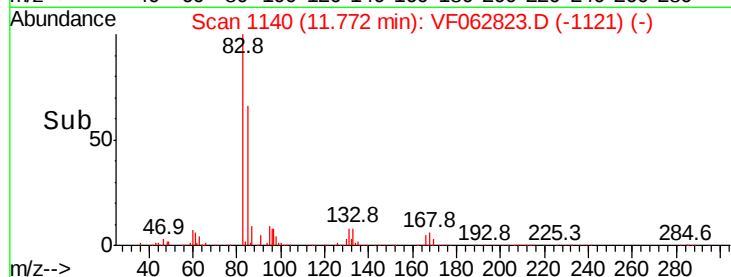
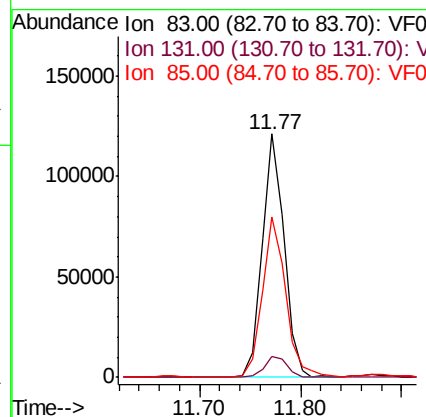
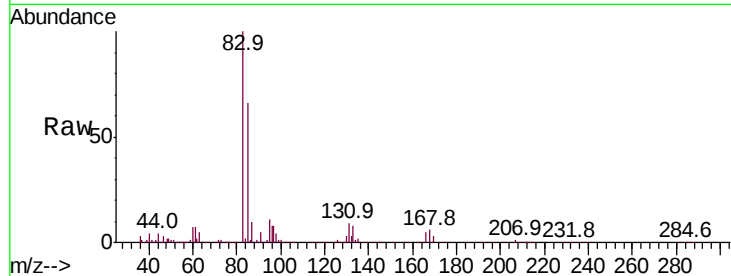
ClientSampleId :

VF0603SBS01

Tot Ion:	83	Resp:	184769
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.9	14.7
85	66.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.643 ug/l

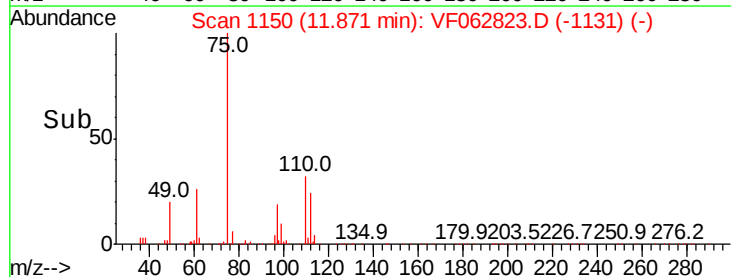
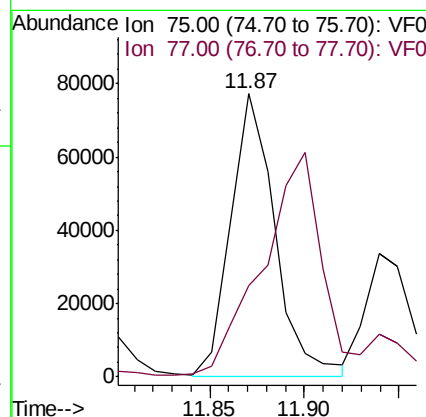
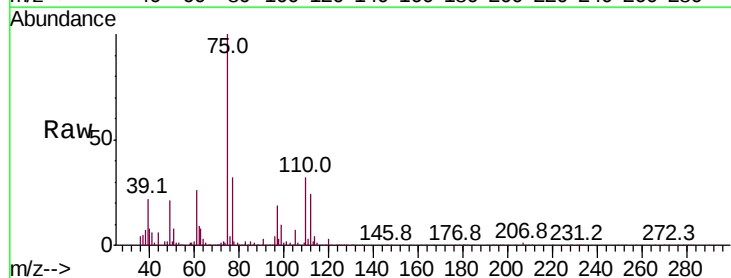
RT: 11.87 min Scan# 1150

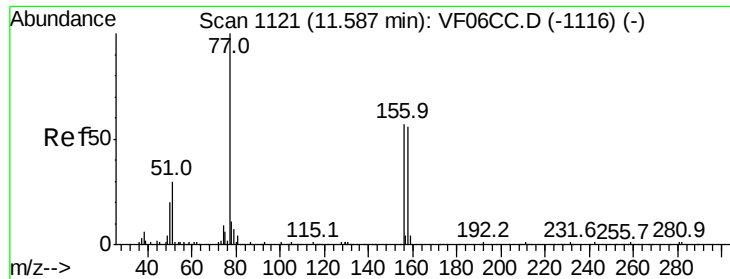
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	75	Resp:	124347
Ion Ratio	Lower	Upper	
75	100		
77	32.2	20.1	60.2





#77

Bromobenzene

Concen: 19.182 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

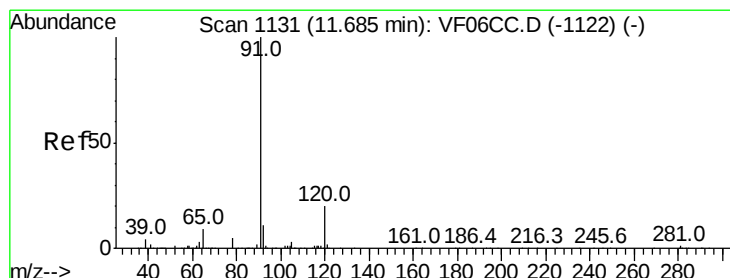
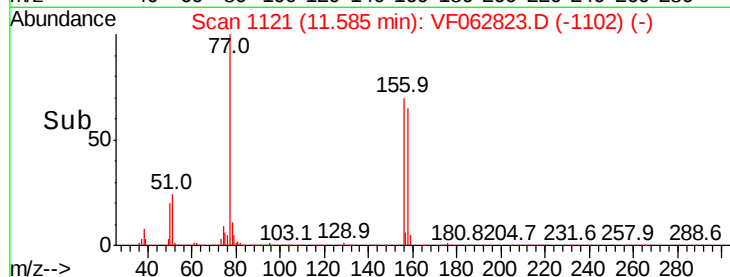
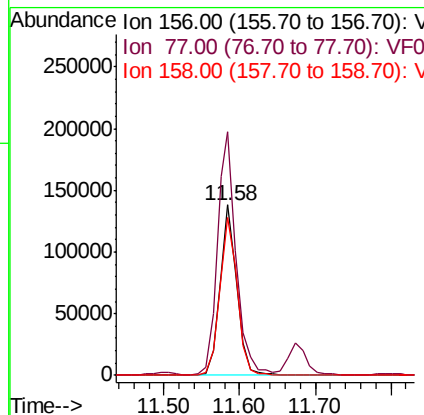
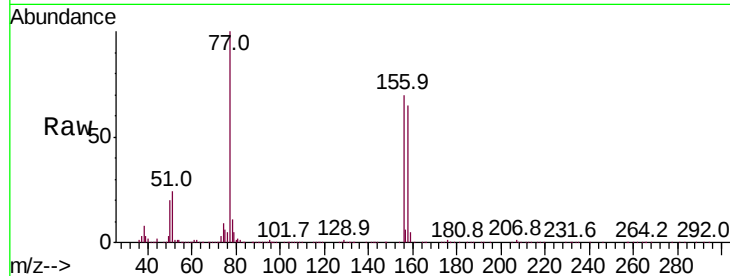
ClientSampleId :

VF0603SBS01

Tot Ion:	156	Resp:	215535
Ion Ratio	Lower	Upper	
156	100		
77	143.2	64.2	192.6
158	93.0	50.3	151.0

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#78

n-propylbenzene

Concen: 19.976 ug/l

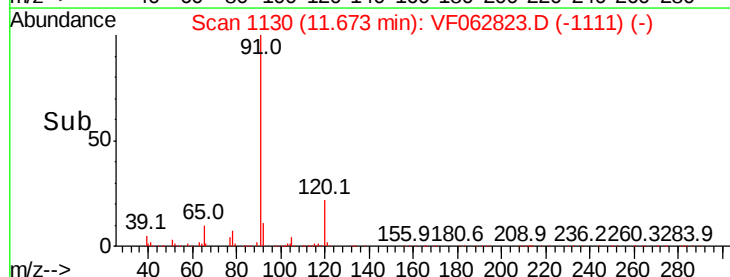
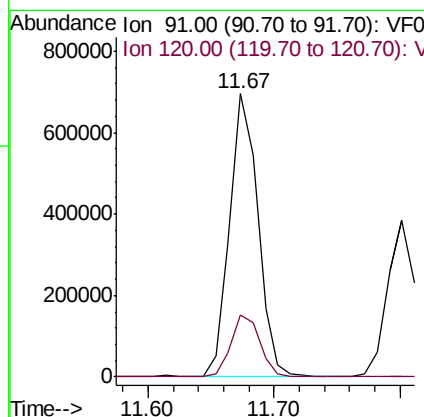
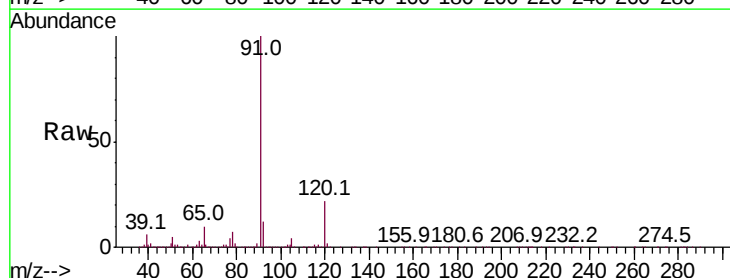
RT: 11.67 min Scan# 1130

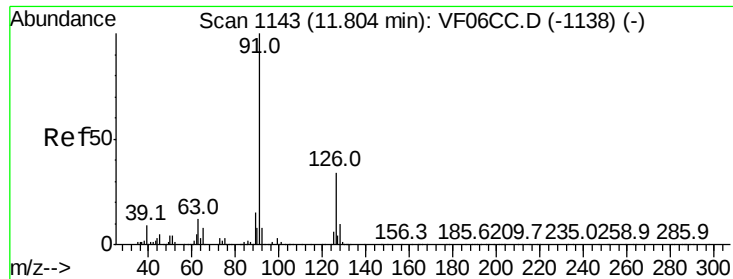
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	91	Resp:	1078604
Ion Ratio	Lower	Upper	
91	100		
120	21.9	12.8	38.4





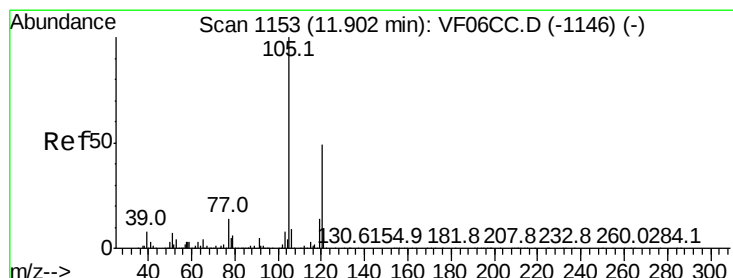
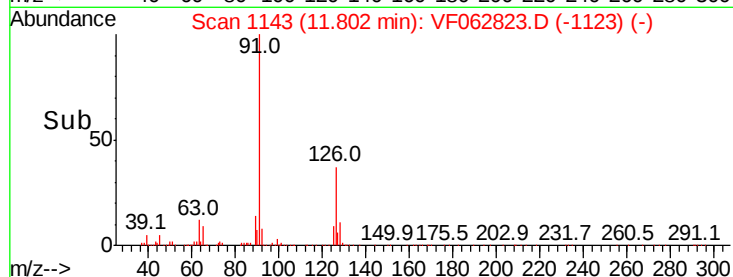
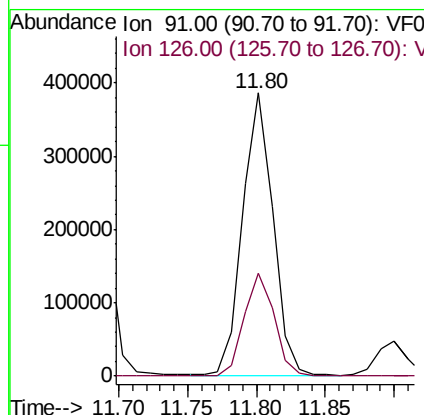
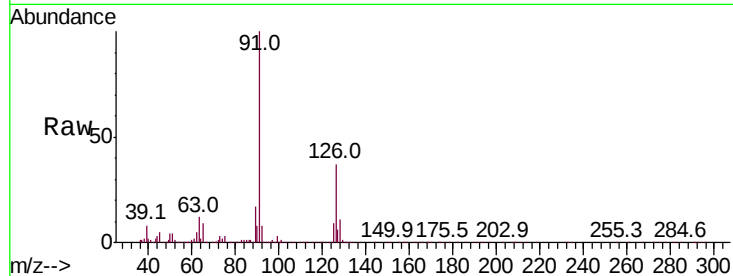
#79
2-Chlorotoluene
Concen: 19.200 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion: 91 Resp: 593195
Ion Ratio Lower Upper
91 100
126 36.5 17.8 53.3

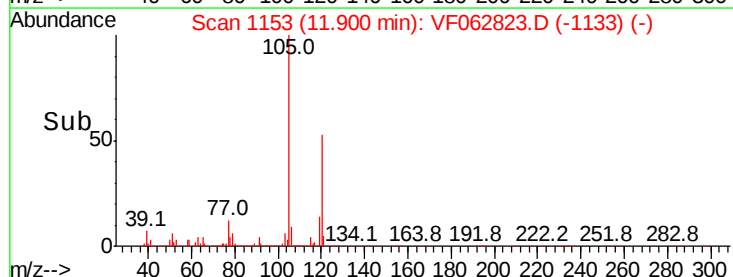
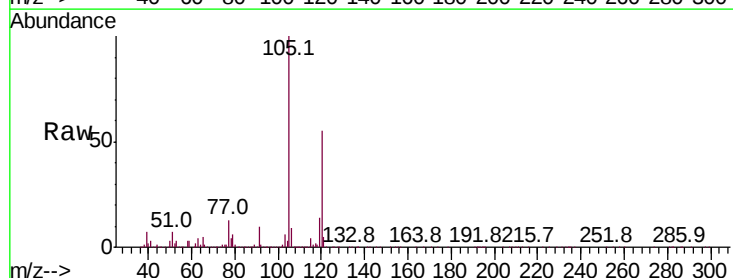
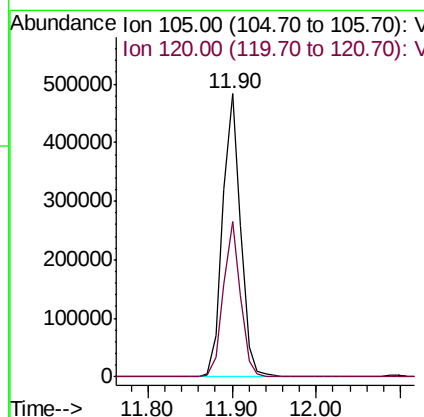
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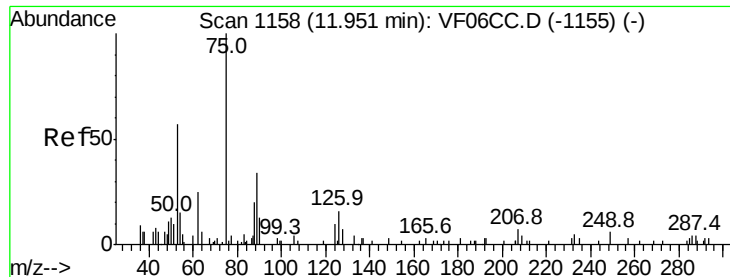
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#80
1,3,5-Trimethylbenzene
Concen: 19.584 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion: 105 Resp: 716206
Ion Ratio Lower Upper
105 100
120 54.8 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.713 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

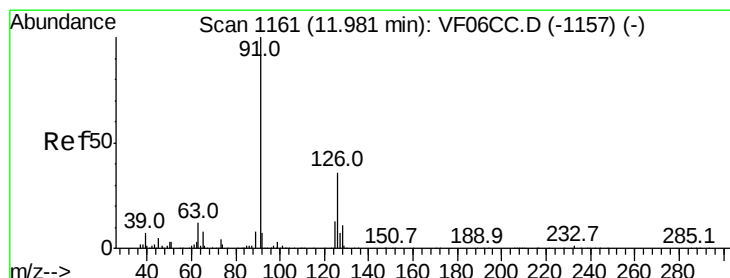
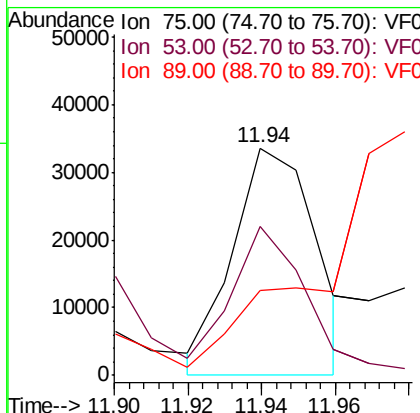
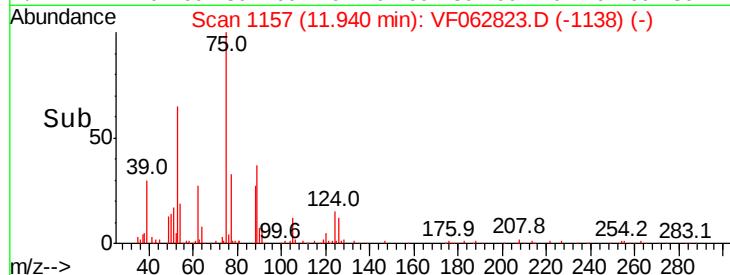
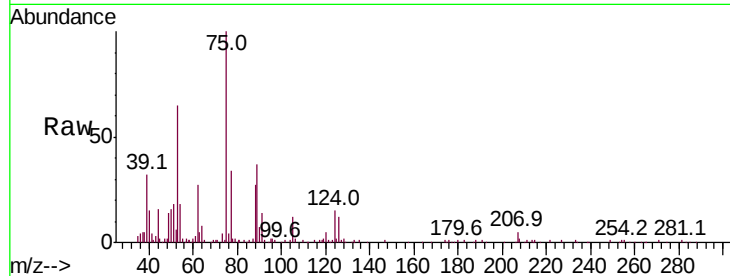
ClientSampleId :

VF0603SBS01

Tot Ion:	75	Resp:	52831
Ion Ratio	Lower	Upper	
75	100		
53	65.4	43.5	65.3#
89	37.5	34.3	51.5

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#82

4-Chlorotoluene

Concen: 20.469 ug/l

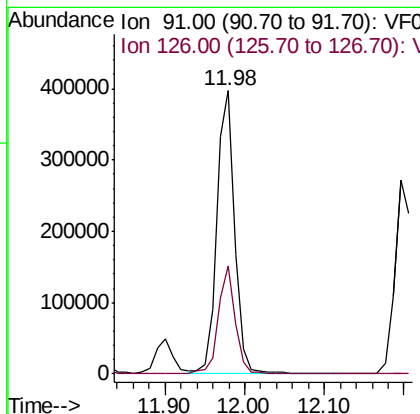
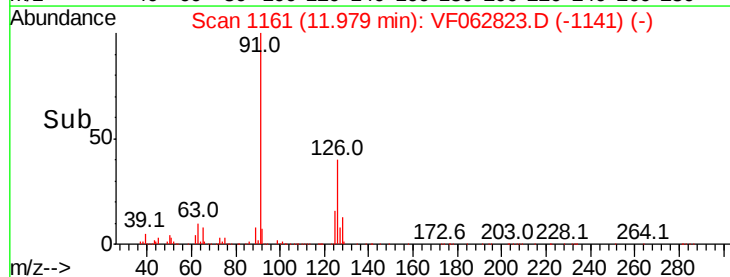
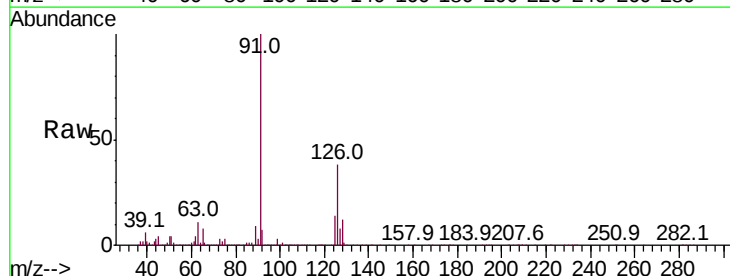
RT: 11.98 min Scan# 1161

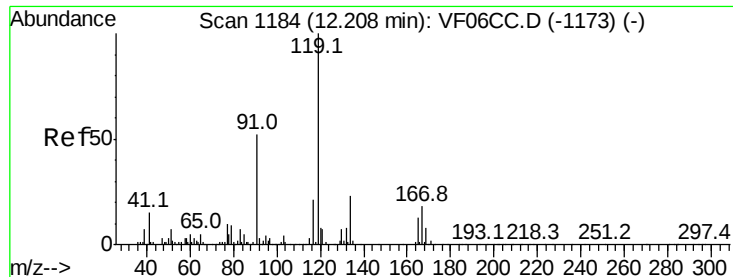
Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	91	Resp:	621491
Ion Ratio	Lower	Upper	
91	100		
126	38.0	19.1	57.1





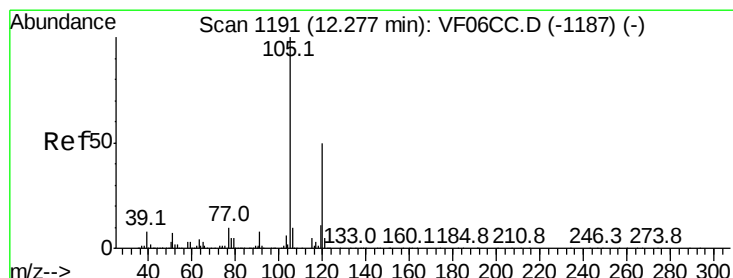
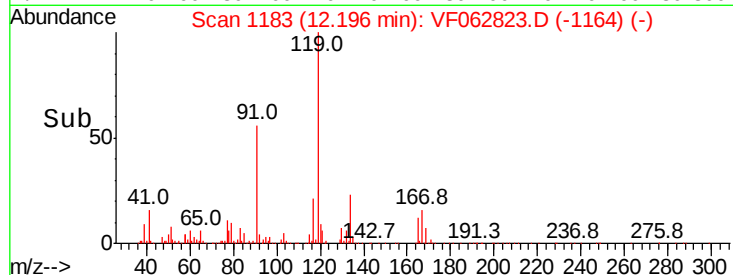
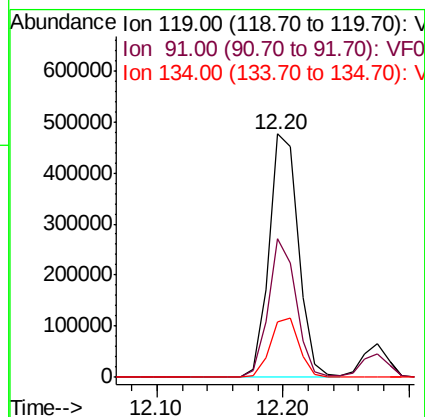
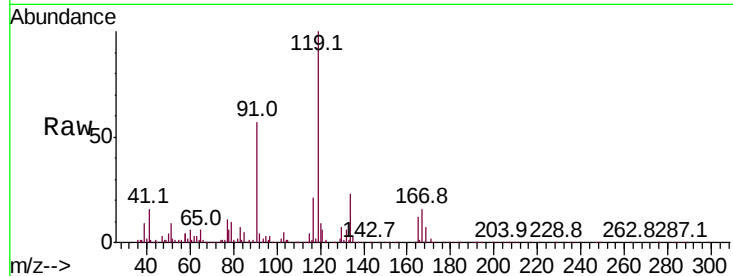
#83
tert-Butylbenzene
Concen: 21.345 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	773506		
91	56.9	28.9	86.7	
134	22.7	14.3	42.9	

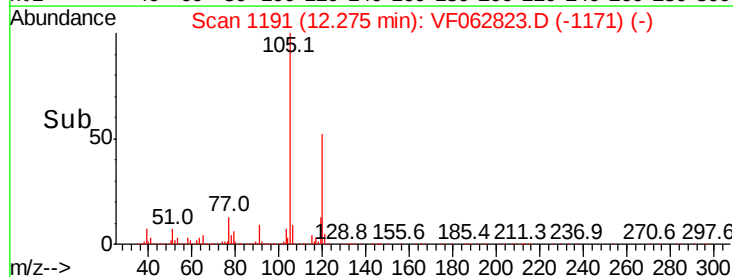
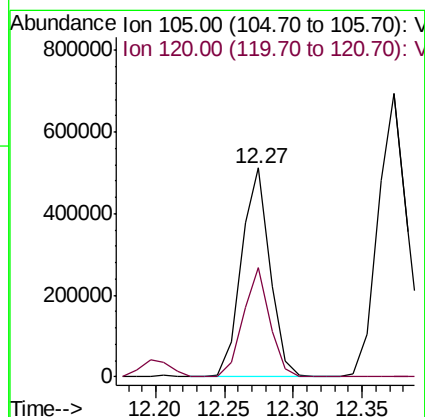
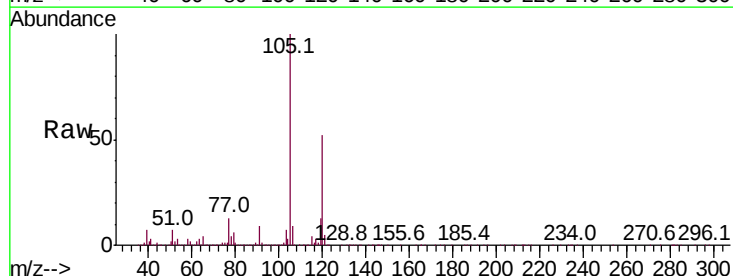
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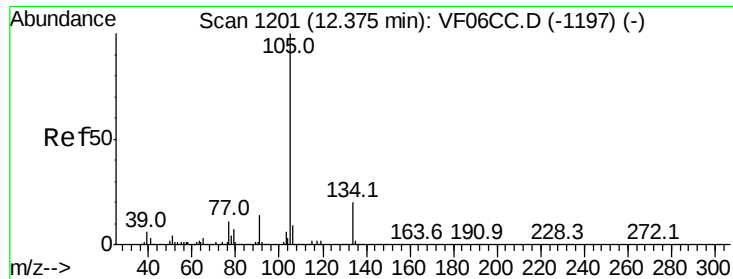
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#84
1,2,4-Trimethylbenzene
Concen: 21.336 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	739819		
120	52.0	27.1	81.3	





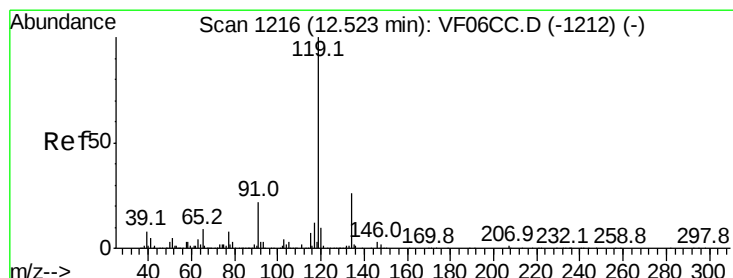
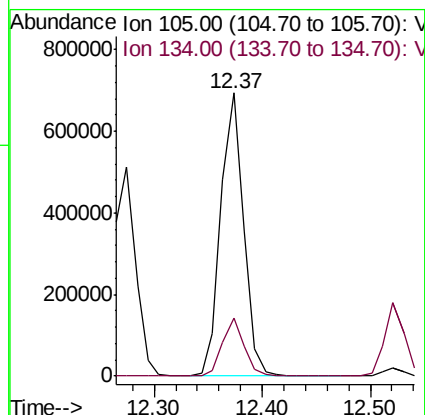
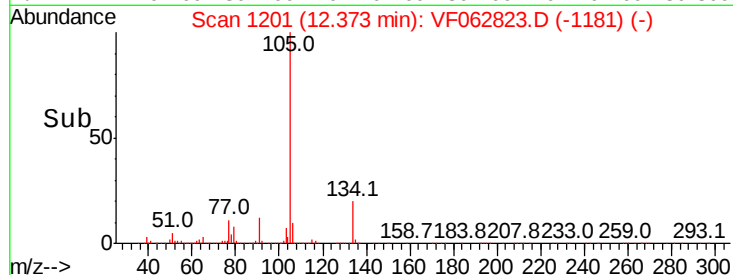
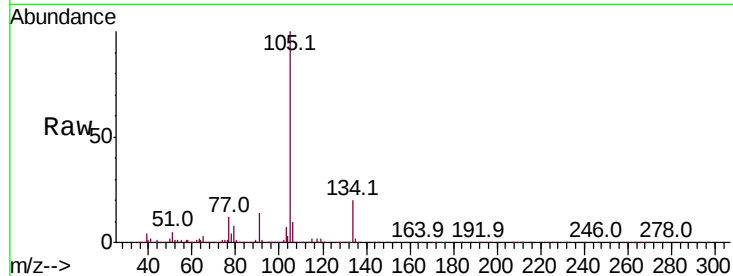
#85
 sec-Butylbenzene
 Concen: 21.339 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion:105 Resp: 1018938
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.5 31.6

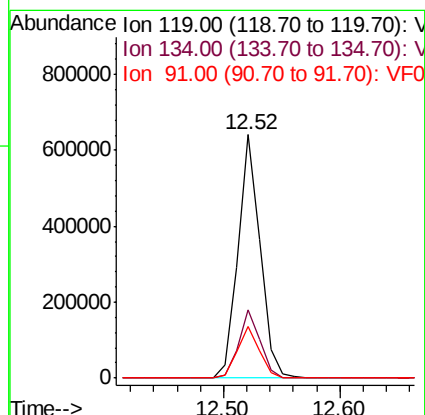
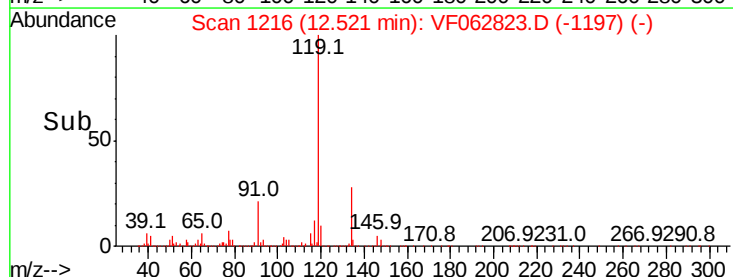
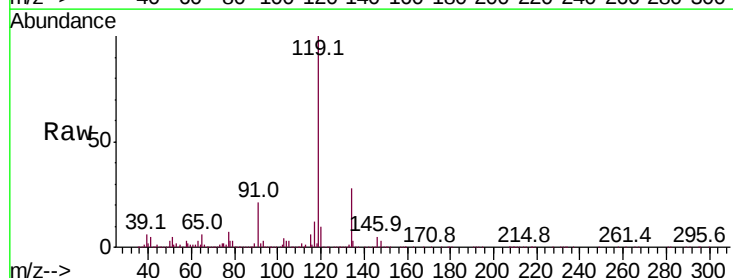
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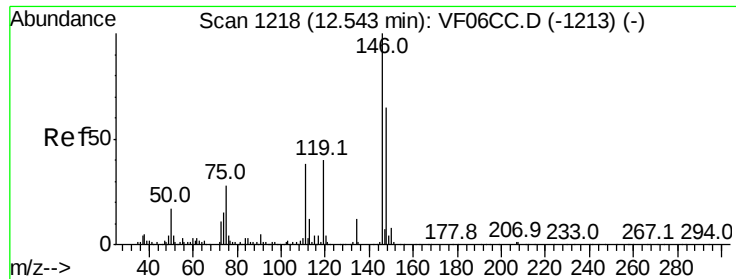
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#86
 p-Isopropyltoluene
 Concen: 21.288 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion:119 Resp: 846082
 Ion Ratio Lower Upper
 119 100
 134 27.9 15.5 46.5
 91 21.3 10.3 30.9





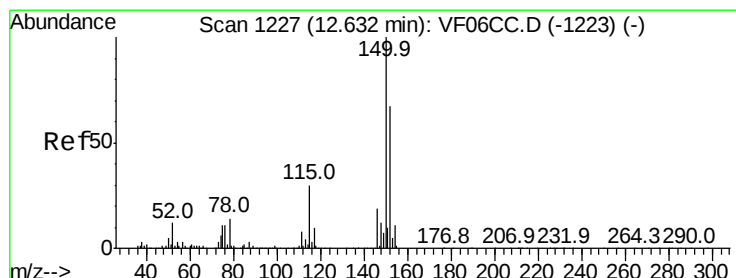
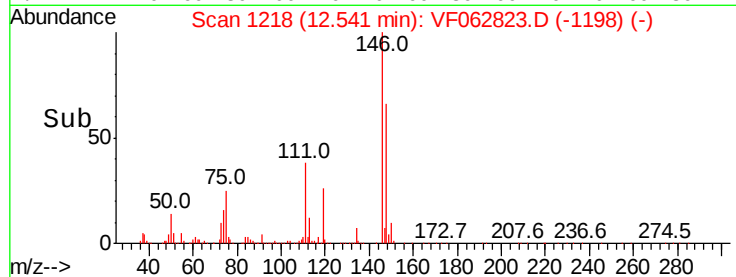
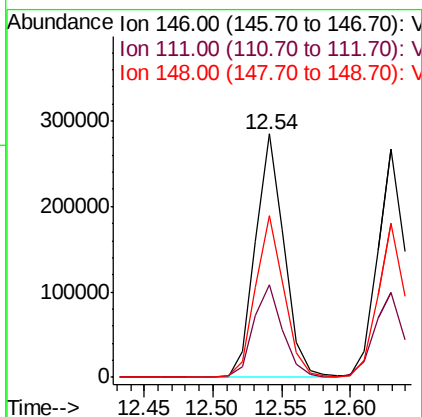
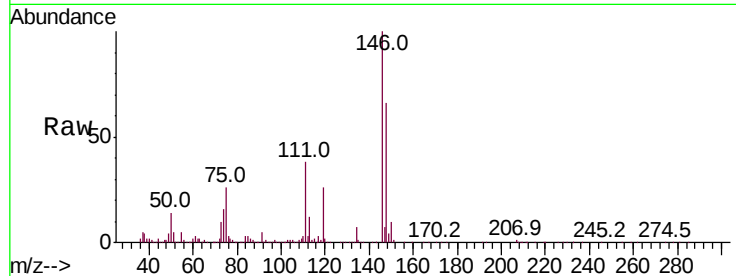
#87
 1,3-Dichlorobenzene
 Concen: 20.984 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.6	58.8
148	66.2	34.2	102.5

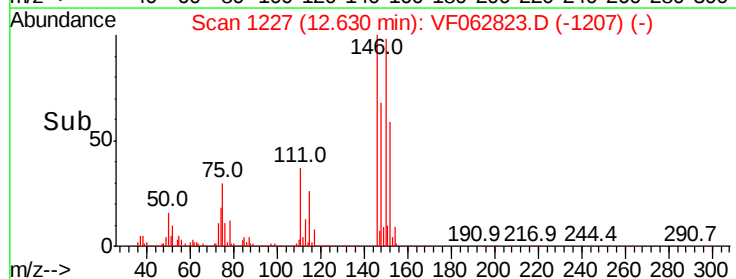
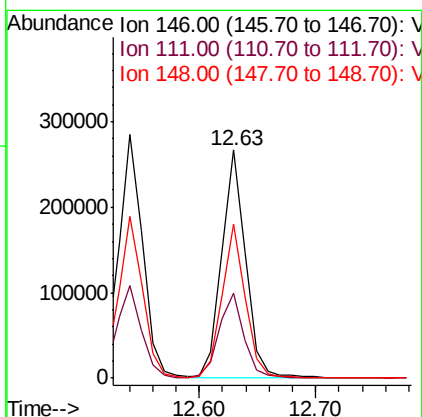
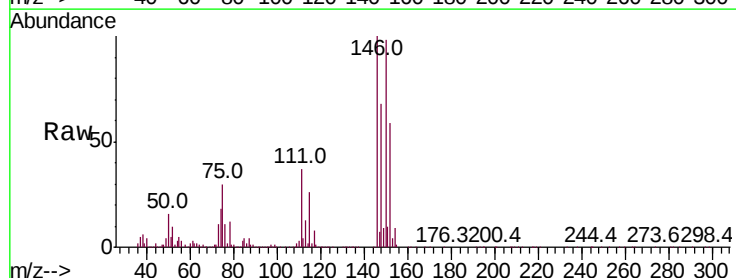
Manual Integrations
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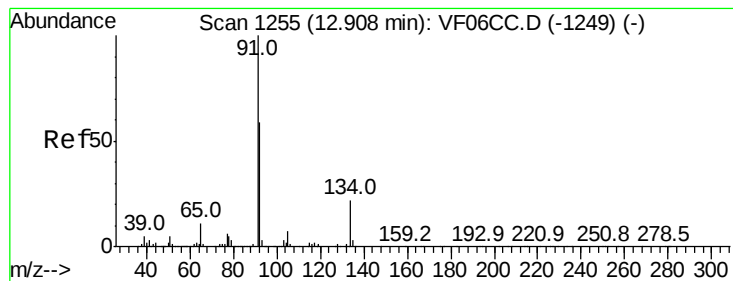
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#88
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062823.D
 Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.3	60.9
148	67.6	34.0	101.8





#89

n-Butylbenzene

Concen: 21.624 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

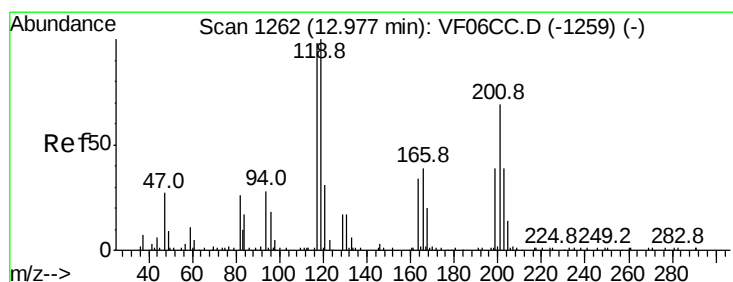
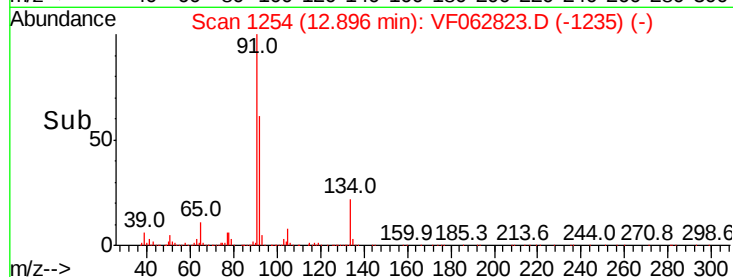
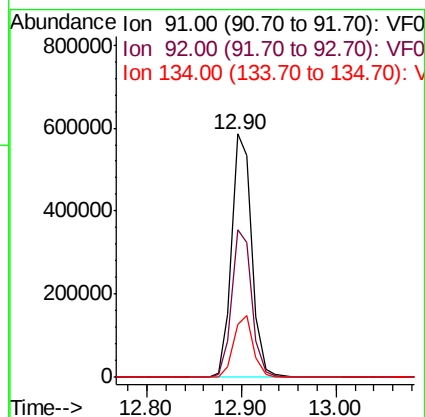
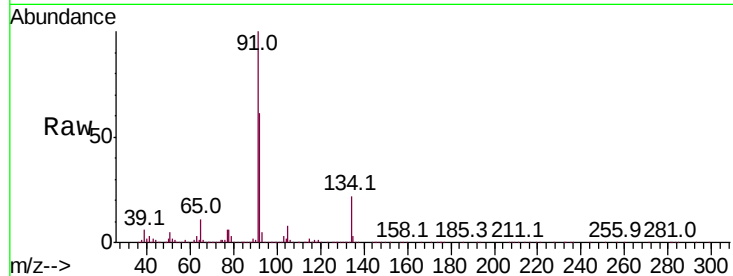
ClientSampleId :

VF0603SBS01

Tot Ion:	91	Resp:	864561
Ion Ratio	Lower	Upper	
91	100		
92	60.6	34.2	102.6
134	21.7	15.8	47.3

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#90

Hexachloroethane

Concen: 20.968 ug/l

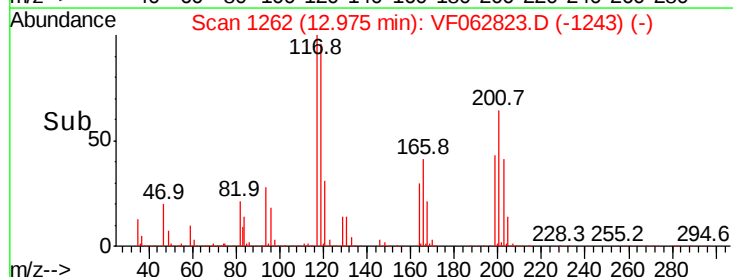
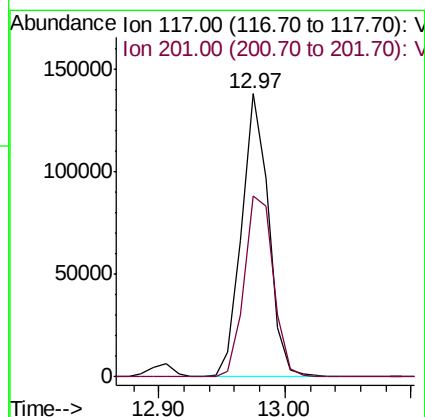
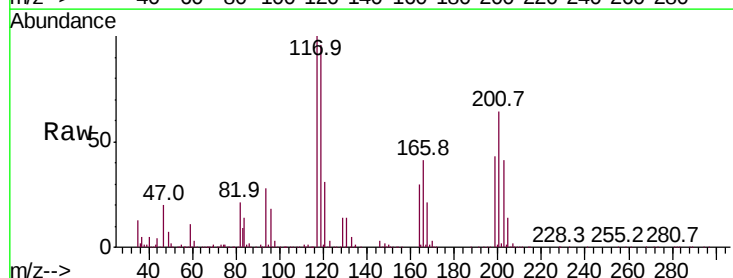
RT: 12.97 min Scan# 1262

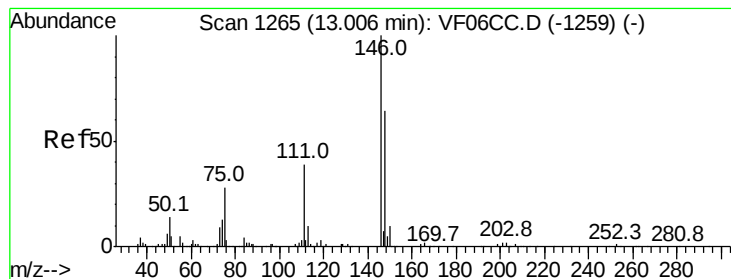
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	117	Resp:	203262
Ion Ratio	Lower	Upper	
117	100		
201	65.5	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 21.042 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

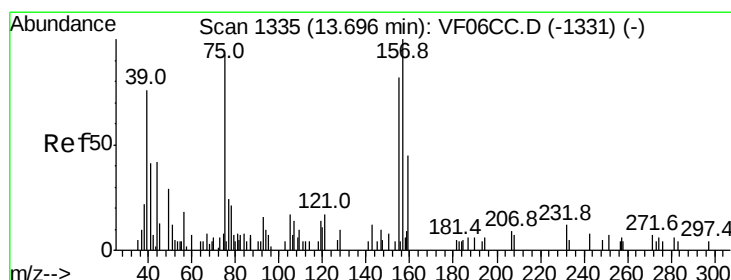
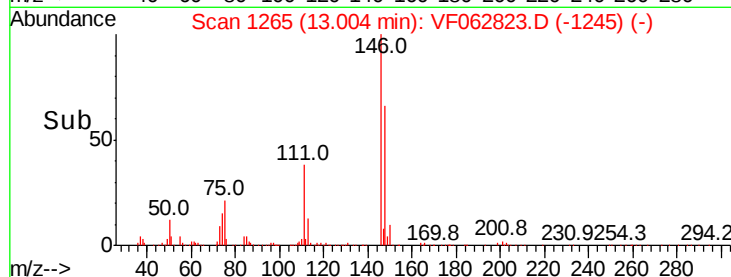
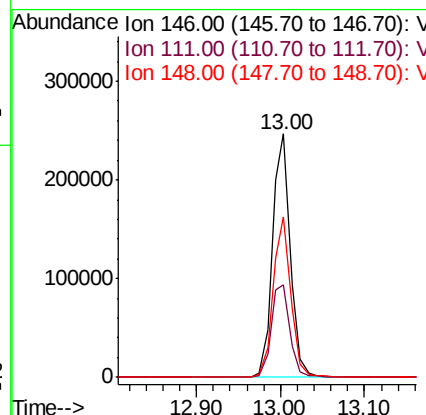
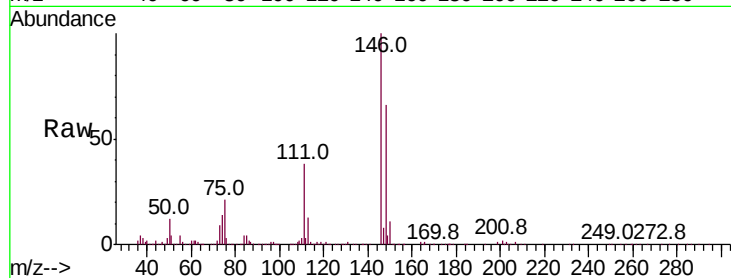
ClientSampleId :

VF0603SBS01

Tot Ion:	146	Resp:	366505
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.4	61.3
148	66.1	34.1	102.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.240 ug/l

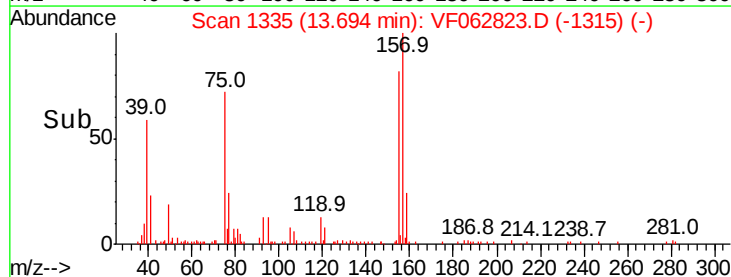
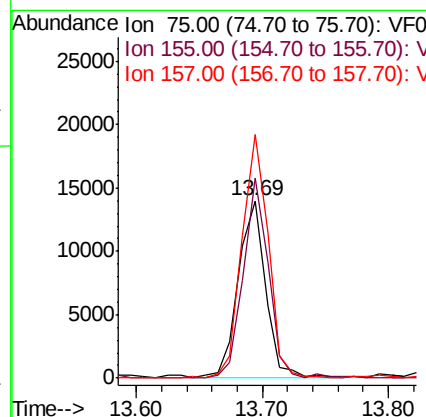
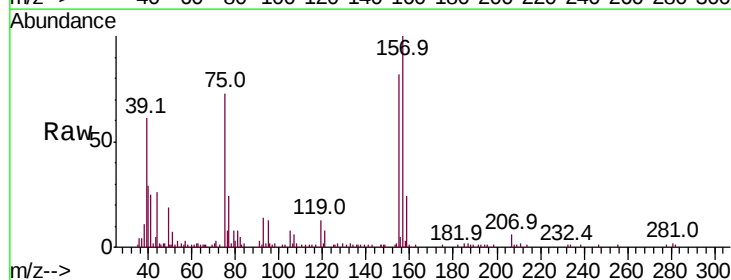
RT: 13.69 min Scan# 1335

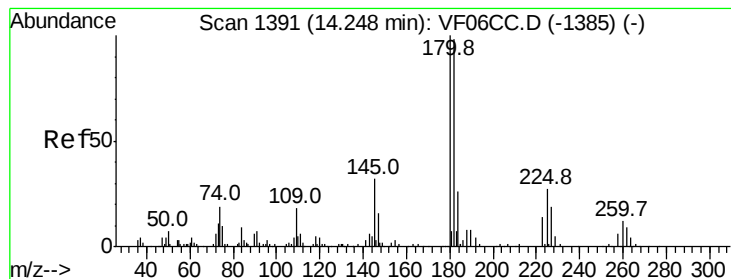
Delta R.T. -0.00 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	75	Resp:	21059
Ion Ratio	Lower	Upper	
75	100		
155	112.7	51.7	155.1
157	137.2	66.8	200.6





#93

1,2,4-Trichlorobenzene

Concen: 20.185 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Instrument :

MSVOA_F

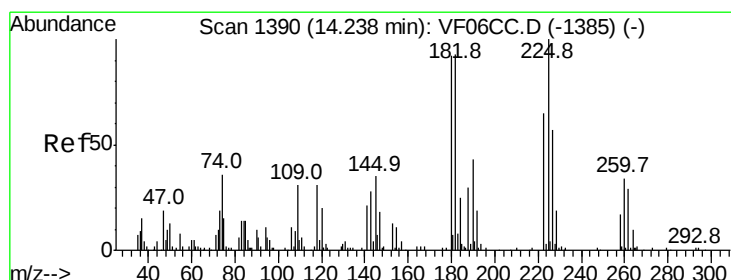
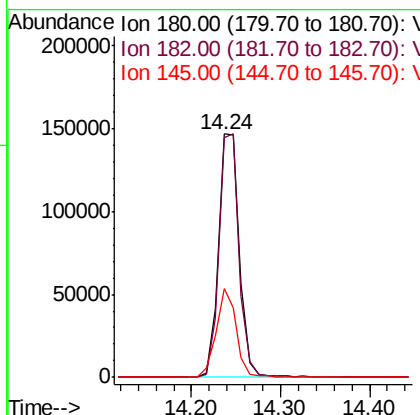
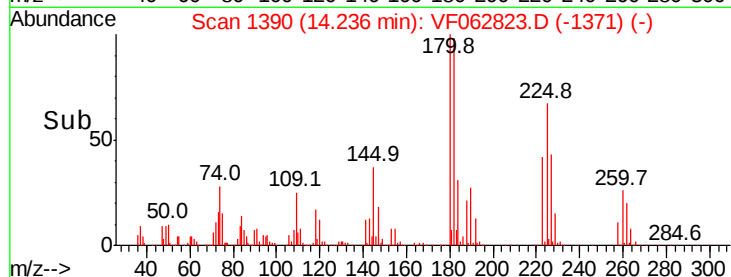
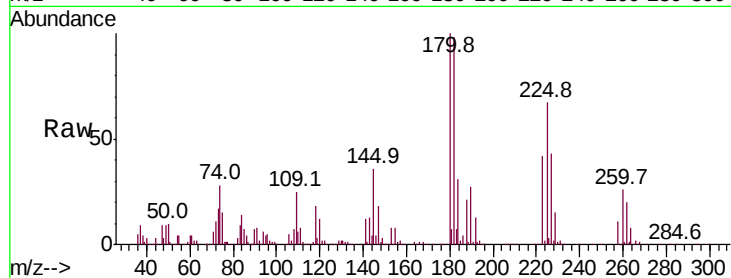
ClientSampleId :

VF0603SBS01

Tot Ion:	180	Resp:	241396
Ion Ratio	Lower	Upper	
180	100		
182	98.4	50.3	150.9
145	36.5	15.4	46.2

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:15:44 PM



#94

Hexachlorobutadiene

Concen: 19.685 ug/l

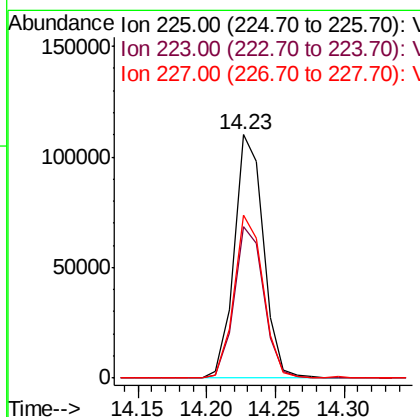
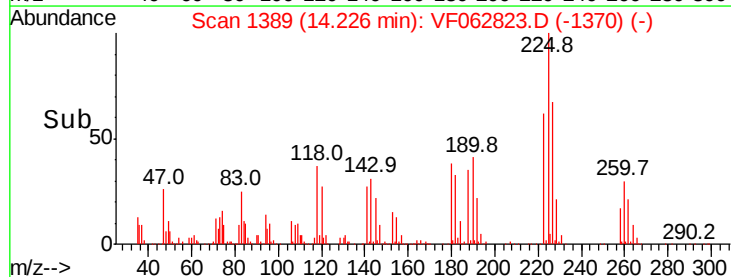
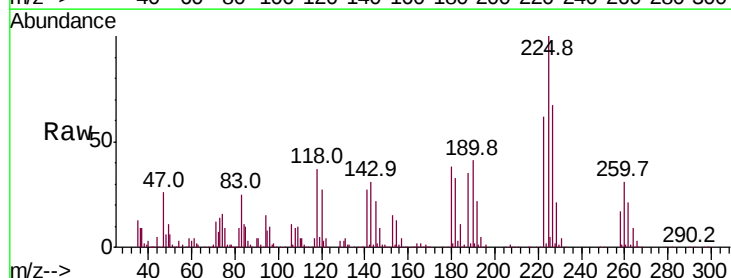
RT: 14.23 min Scan# 1389

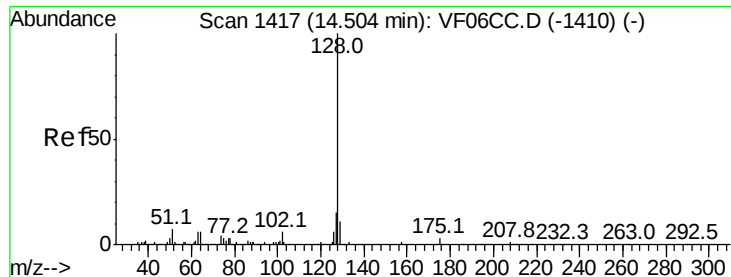
Delta R.T. -0.01 min

Lab File: VF062823.D

Acq: 3 Jun 2019 12:36

Tgt Ion:	225	Resp:	162864
Ion Ratio	Lower	Upper	
225	100		
223	62.0	30.8	92.4
227	66.8	31.9	95.5





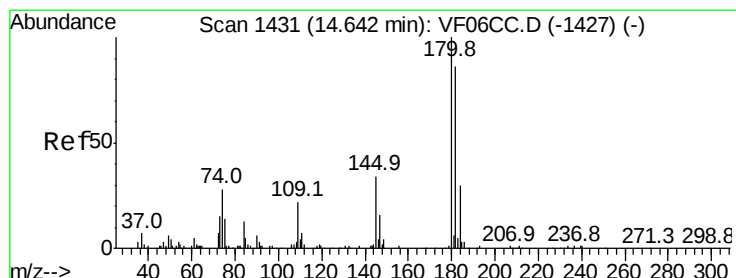
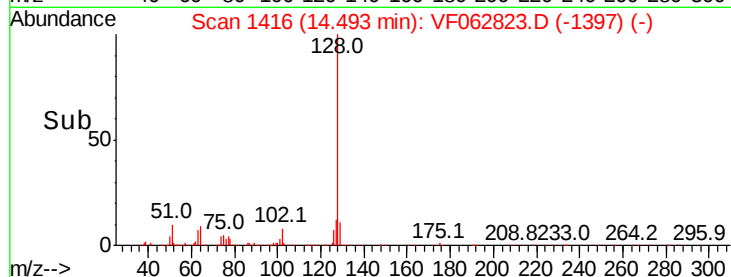
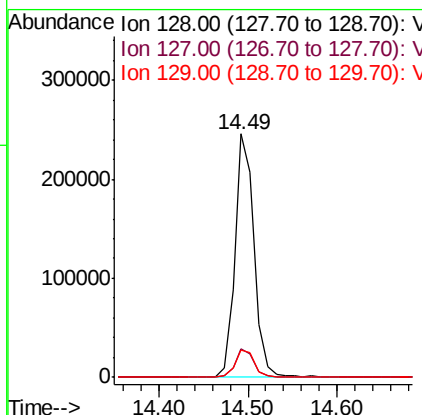
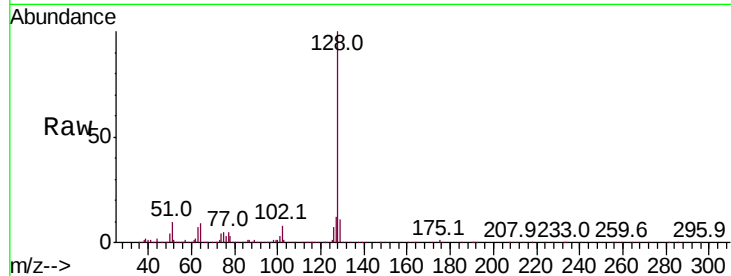
#95
Naphthalene
Concen: 18.865 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VF0603SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	369613		
127	11.8	9.7	14.5	
129	11.3	9.4	14.2	

Manual Integrations
APPROVED

MMDadoda
6/4/2019 12:15:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.799 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062823.D
Acq: 3 Jun 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	216137		
182	93.3	48.6	145.9	
145	31.1	15.7	47.0	

