

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062897.D
 Acq On : 7 Jun 2019 13:56
 Operator : FY/SY
 Sample : VF0607SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:37 PM

Quant Time: Jun 08 00:56:09 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	792184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1306118	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	998532	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	457733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	262294	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	
35) Dibromofluoromethane	4.32	113	486058	49.25	ug/l	-0.02
Spiked Amount						
			Recovery	=	98.50%	
50) Toluene-d8	7.72	98	1137962	45.59	ug/l	-0.02
Spiked Amount						
			Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.50	95	384151	42.79	ug/l	0.00
Spiked Amount						
			Recovery	=	85.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	224922	22.746	ug/l	86
3) Chloromethane	1.15	50	178383	21.763	ug/l	95
4) Vinyl Chloride	1.19	62	172346	21.159	ug/l	92
5) Bromomethane	1.41	94	100584	21.653	ug/l	86
6) Chloroethane	1.46	64	58686	19.270	ug/l #	86
7) Trichlorofluoromethane	1.57	101	257184	22.303	ug/l	96
8) Diethyl Ether	1.72	74	51035	22.495	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168519	23.245	ug/l	96
10) Methyl Iodide	2.00	142	313099	21.539	ug/l	95
11) Tert butyl alcohol	2.71	59	35621	107.340	ug/l	99
12) 1,1-Dichloroethene	1.88	96	147492	22.405	ug/l	98
13) Acrolein	2.11	56	9708	67.247	ug/l	94
14) Allyl chloride	2.21	41	121121	23.716	ug/l	94
15) Acrylonitrile	3.11	53	129773	104.071	ug/l	92
16) Acetone	2.36	43	130368	103.979	ug/l	96
17) Carbon Disulfide	1.92	76	422072	21.936	ug/l	99
18) Methyl Acetate	2.47	43	56747	25.900	ug/l #	86
19) Methyl tert-butyl Ether	2.55	73	260760	21.863	ug/l	98
20) Methylene Chloride	2.36	84	170569m	25.717	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	149710	22.681	ug/l	89
22) Diisopropyl ether	2.95	45	317432	21.877	ug/l	93
23) Vinyl Acetate	3.35	43	1151156	115.886	ug/l	97
24) 1,1-Dichloroethane	3.03	63	251966	23.258	ug/l	95
25) 2-Butanone	4.53	43	294662	100.919	ug/l	98
26) 2,2-Dichloropropane	3.79	77	155672	25.307	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	255452	23.024	ug/l	96
28) Bromochloromethane	3.91	49	106569	18.084	ug/l #	54
29) Tetrahydrofuran	4.28	42	135533	121.365	ug/l	96
30) Chloroform	4.07	83	345809	22.648	ug/l	98
31) Cyclohexane	3.89	56	121896	8.311	ug/l	89
32) 1,1,1-Trichloroethane	4.31	97	229892	25.860	ug/l	93
36) 1,1-Dichloropropene	4.49	75	259695	21.598	ug/l	99
37) Ethyl Acetate	4.33	43	112982m	24.581	ug/l	
38) Carbon Tetrachloride	4.20	117	192453	23.683	ug/l	92

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	340862	22.777	ug/l	97
40) Benzene	4.84	78	833425	23.816	ug/l	100
41) Methacrylonitrile	4.94	41	63536	24.865	ug/l #	82
42) 1,2-Dichloroethane	5.15	62	144504	21.712	ug/l	88
43) Isopropyl Acetate	7.13	43	125451	20.661	ug/l #	96
44) Trichloroethene	5.70	130	226988	22.983	ug/l	96
45) 1,2-Dichloropropane	6.42	63	205617	23.414	ug/l	96
46) Dibromomethane	6.27	93	114465	22.325	ug/l	91
47) Bromodichloromethane	6.57	83	227470	21.785	ug/l	94
48) Methyl methacrylate	6.89	41	61711	19.721	ug/l	97
49) 1,4-Dioxane	6.88	88	16169	392.009	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	515534	118.926	ug/l	94
52) Toluene	7.79	92	398263	21.130	ug/l	89
53) t-1,3-Dichloropropene	8.43	75	192735	22.275	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	269691	21.533	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	123532	21.938	ug/l	95
56) Ethyl methacrylate	8.76	69	132484	21.928	ug/l	93
57) 1,3-Dichloropropane	9.00	76	209715	22.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	236116	111.822	ug/l	96
59) 2-Hexanone	9.63	43	358960	116.176	ug/l	99
60) Dibromochloromethane	8.87	129	158281	22.704	ug/l	90
61) 1,2-Dibromoethane	9.14	107	132937	22.732	ug/l	95
64) Tetrachloroethene	8.31	164	166968	21.760	ug/l	93
65) Chlorobenzene	9.94	112	421226	21.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	164299	21.394	ug/l	100
67) Ethyl Benzene	10.03	91	744352	22.494	ug/l	99
68) m/p-Xylenes	10.26	106	538945	42.562	ug/l	81
69) o-Xylene	10.82	106	261156	20.370	ug/l	92
70) Styrene	10.89	104	375226	19.857	ug/l	94
71) Bromoform	10.88	173	73655	19.993	ug/l #	99
73) Isopropylbenzene	11.22	105	731170	22.893	ug/l	95
74) N-amyl acetate	11.45	43	212792	23.639	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	152674	22.384	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	99593	22.029	ug/l	89
77) Bromobenzene	11.58	156	165075	20.570	ug/l	77
78) n-propylbenzene	11.67	91	873079	22.640	ug/l	90
79) 2-Chlorotoluene	11.80	91	491285	22.264	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	590491	22.607	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	42908m	22.417	ug/l	
82) 4-Chlorotoluene	11.98	91	480326	22.150	ug/l	97
83) tert-Butylbenzene	12.20	119	605052	23.378	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	584161	23.589	ug/l	98
85) sec-Butylbenzene	12.37	105	847453	24.850	ug/l	97
86) p-Isopropyltoluene	12.52	119	675233	23.788	ug/l	92
87) 1,3-Dichlorobenzene	12.54	146	315616	22.301	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	308547	23.361	ug/l	93
89) n-Butylbenzene	12.90	91	710511	24.883	ug/l	90
90) Hexachloroethane	12.97	117	169087	24.423	ug/l	70
91) 1,2-Dichlorobenzene	13.00	146	279993	22.508	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17872	24.051	ug/l	90

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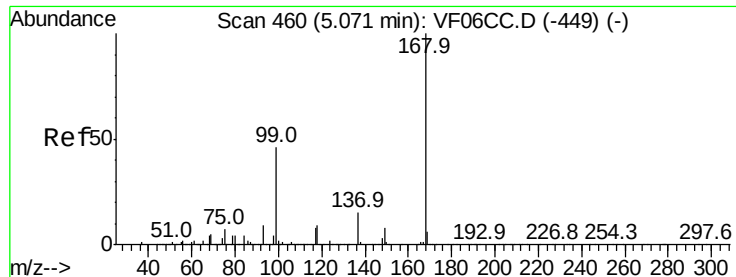
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	208447	24.405	ug/l	96
94) Hexachlorobutadiene	14.23	225	143056	24.211	ug/l	96
95) Naphthalene	14.50	128	326701	23.348	ug/l	96
96) 1,2,3-Trichlorobenzene	14.64	180	186074	23.866	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion:168 Resp: 792184

Ion Ratio Lower Upper

168 100

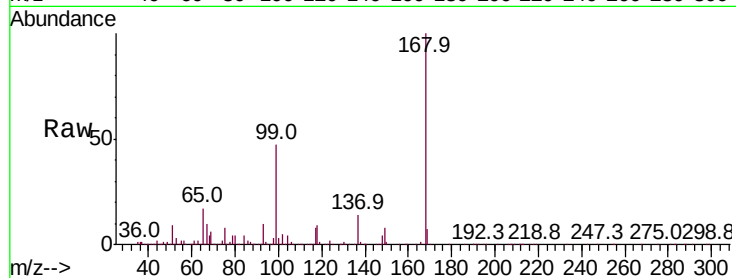
99 47.4 39.1 58.7

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

300000

250000

200000

150000

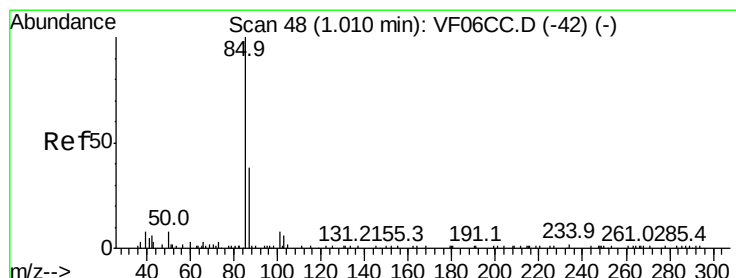
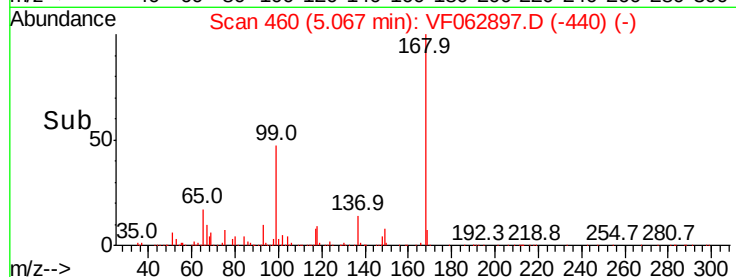
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 22.746 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062897.D

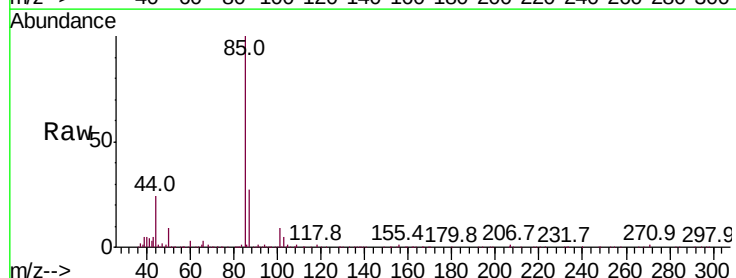
Acq: 7 Jun 2019 13:56

Tgt Ion: 85 Resp: 224922

Ion Ratio Lower Upper

85 100

87 27.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

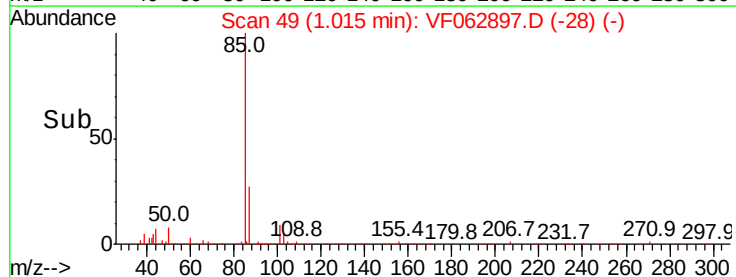
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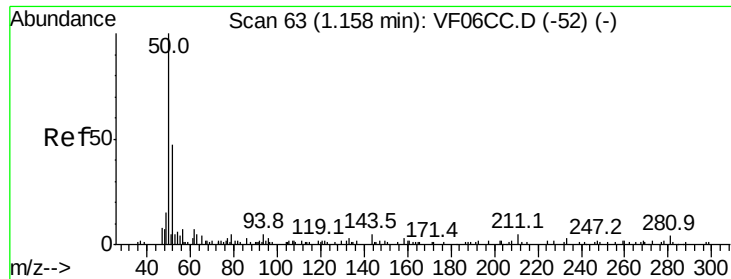
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 21.763 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion: 50 Resp: 178383

Ion Ratio Lower Upper

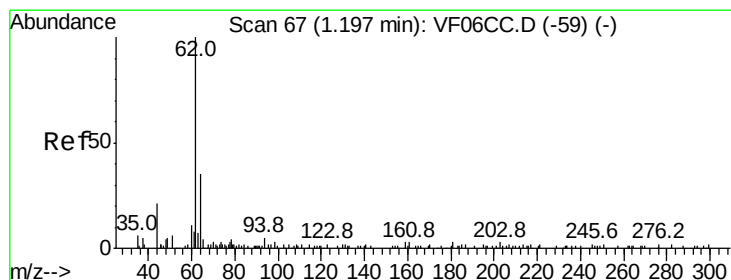
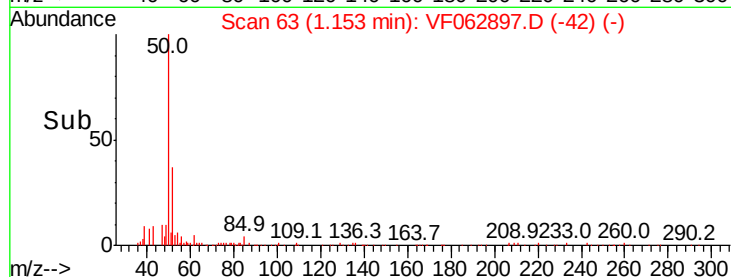
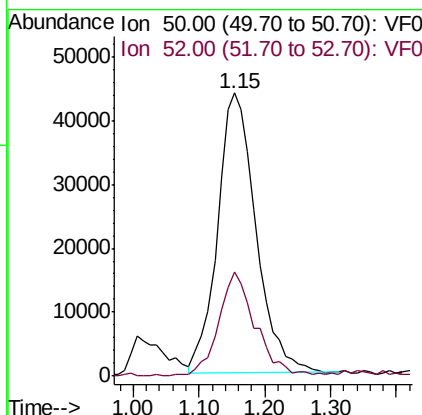
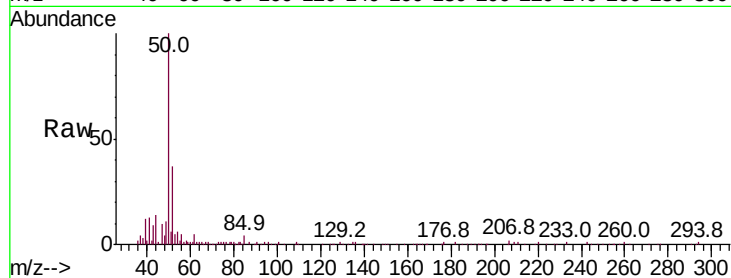
50 100

52 36.7 27.0 40.4

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#4

Vinyl Chloride

Concen: 21.159 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062897.D

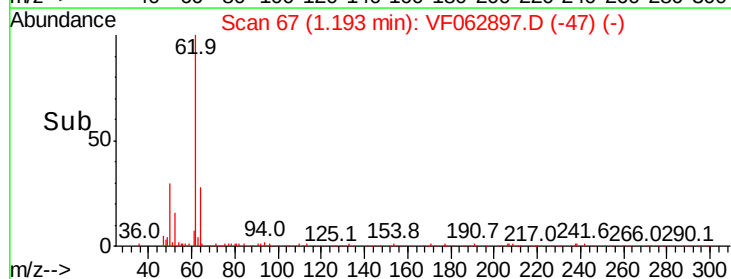
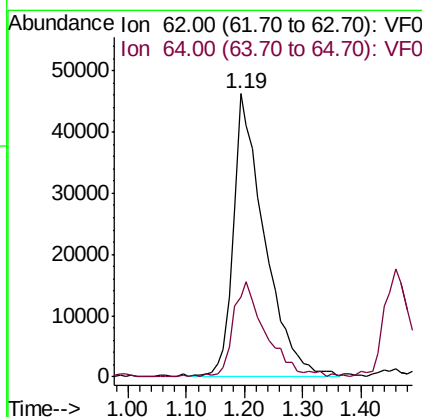
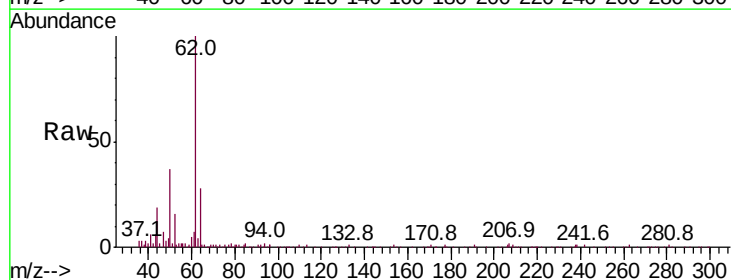
Acq: 7 Jun 2019 13:56

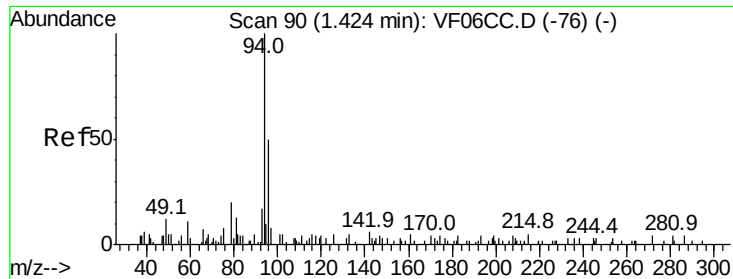
Tgt Ion: 62 Resp: 172346

Ion Ratio Lower Upper

62 100

64 28.4 26.2 39.2





#5

Bromomethane

Concen: 21.653 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion: 94 Resp: 100584

Ion Ratio Lower Upper

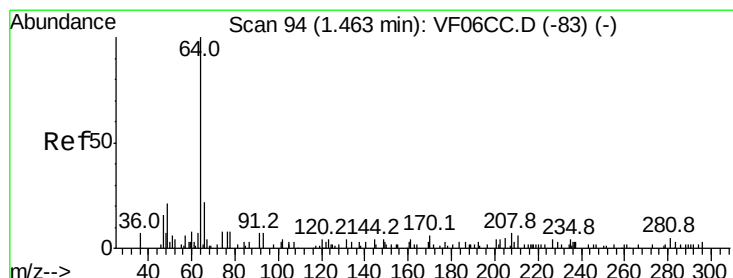
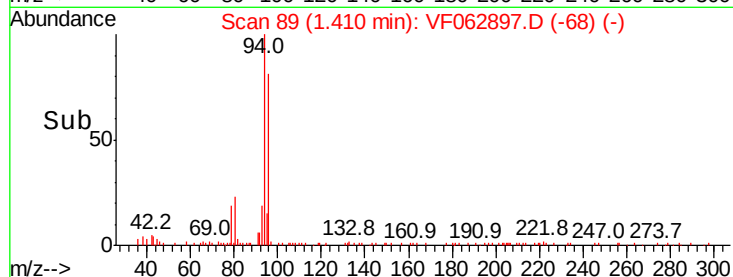
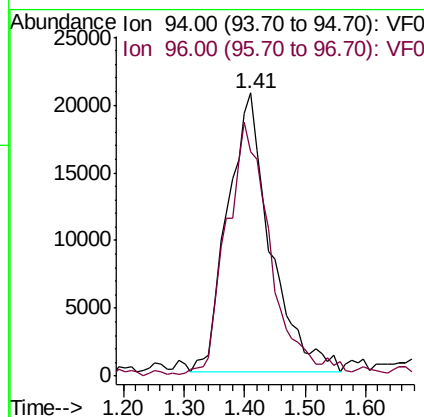
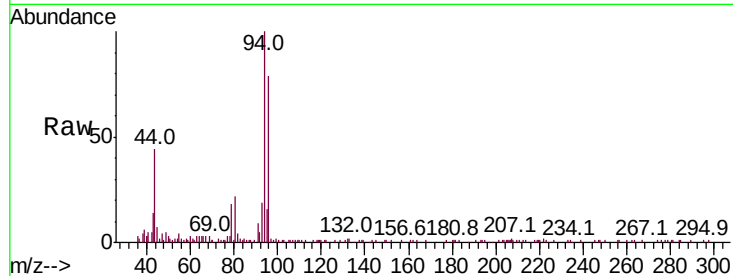
94 100

96 79.2 73.8 110.6

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#6

Chloroethane

Concen: 19.270 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062897.D

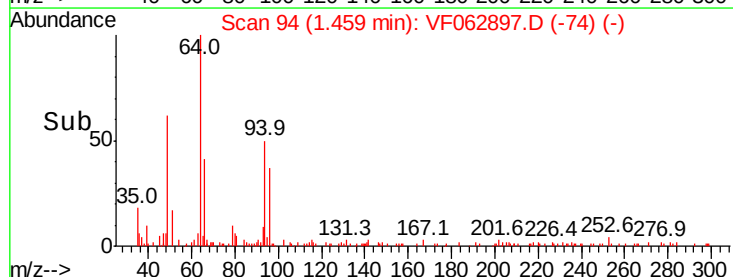
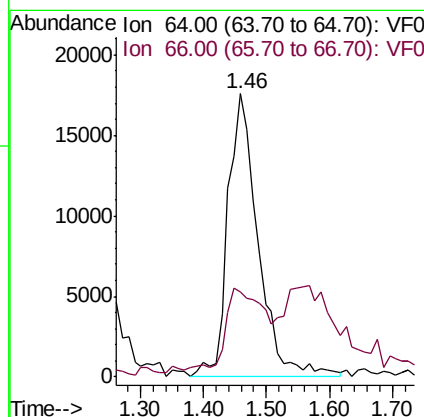
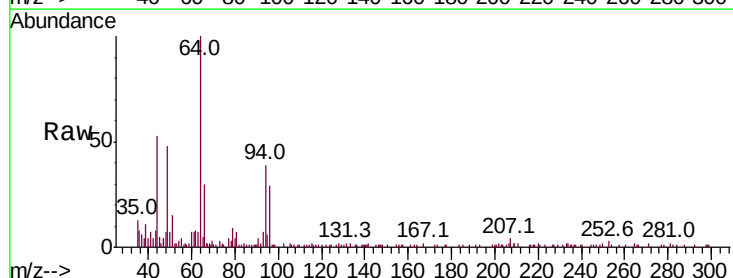
Acq: 7 Jun 2019 13:56

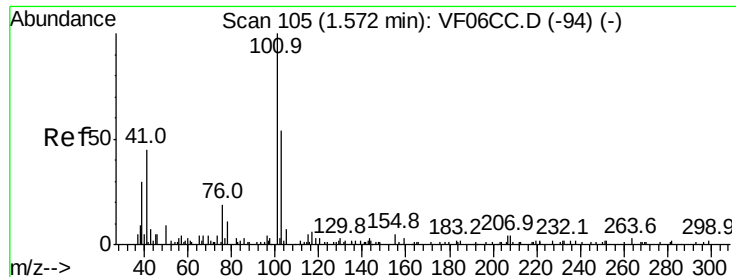
Tgt Ion: 64 Resp: 58686

Ion Ratio Lower Upper

64 100

66 30.2 31.0 46.4#





#7

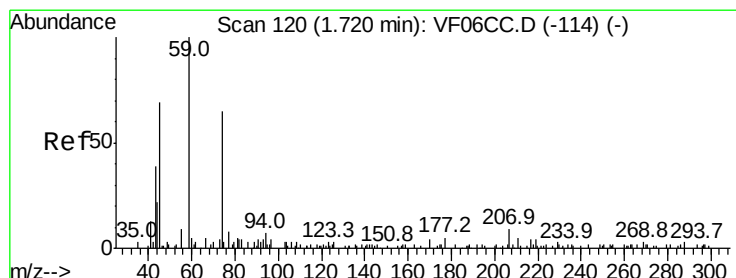
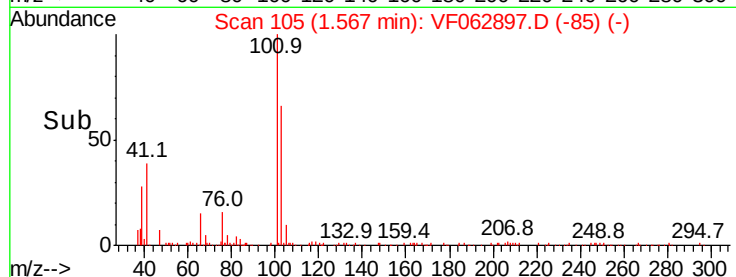
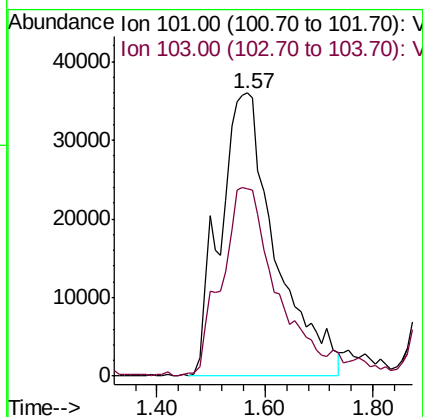
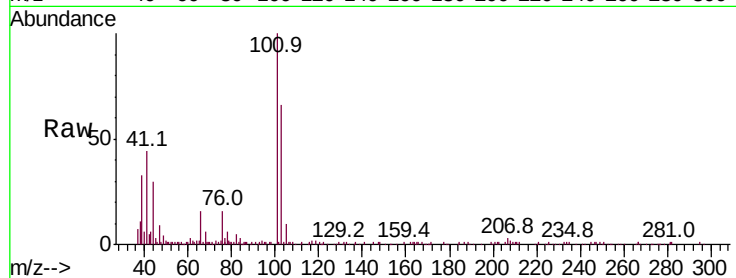
Trichlorofluoromethane
Concen: 22.303 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
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ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	257184		
103	65.2	54.6	82.0	

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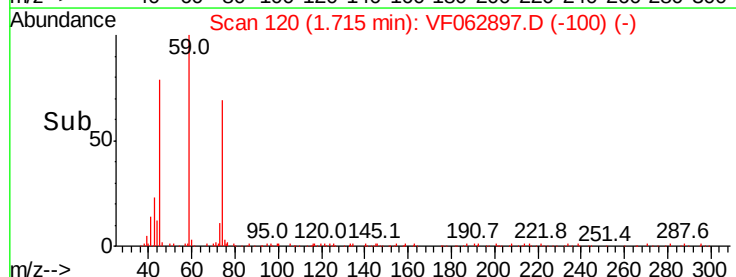
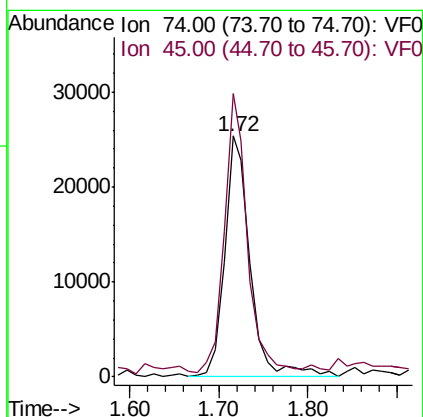
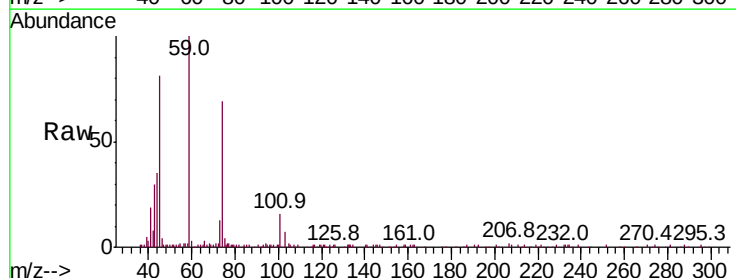
MMDadoda
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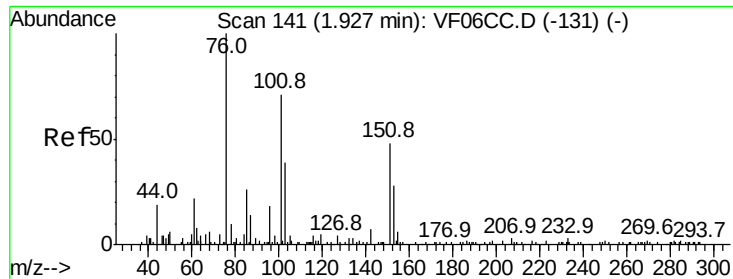


#8

Diethyl Ether
Concen: 22.495 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51035		
45	117.6	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.245 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

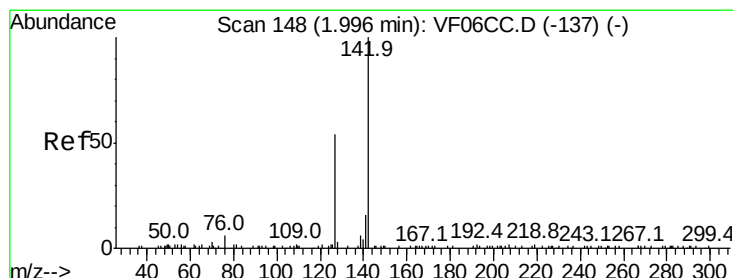
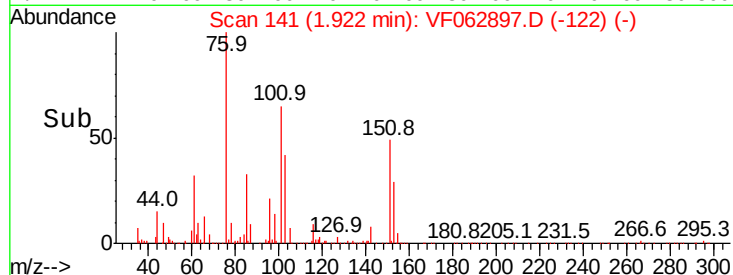
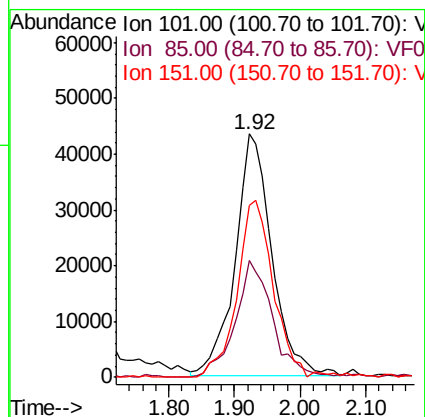
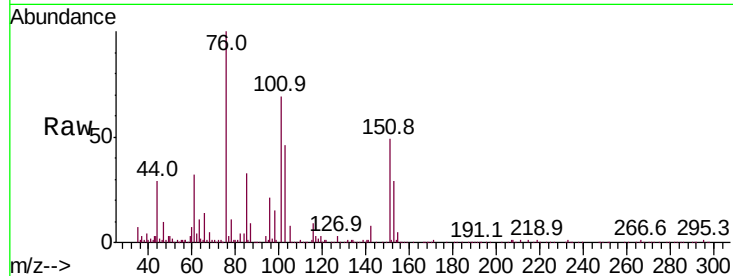
ClientSampleId :

VF0607SBS01

Tot Ion:	101	Resp:	168519
Ion Ratio	Lower	Upper	
101	100		
85	47.8	37.1	55.7
151	70.7	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 21.539 ug/l

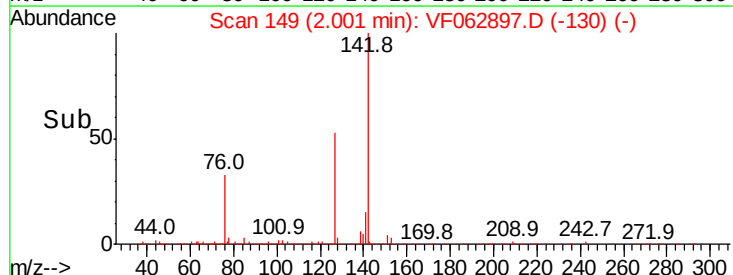
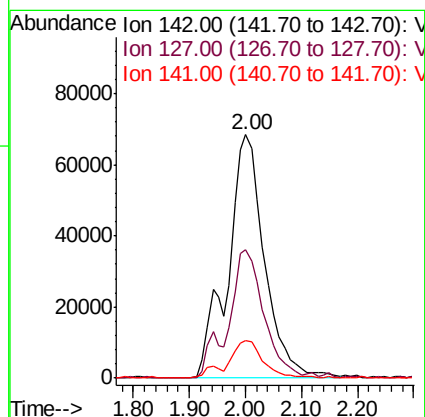
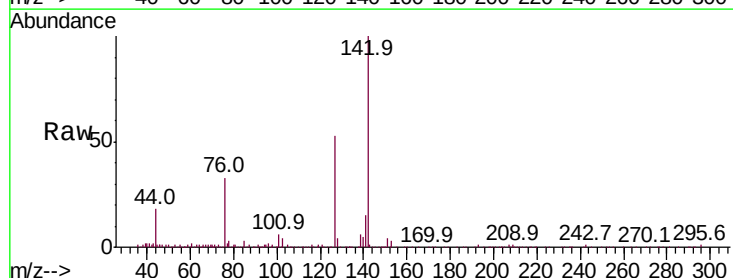
RT: 2.00 min Scan# 149

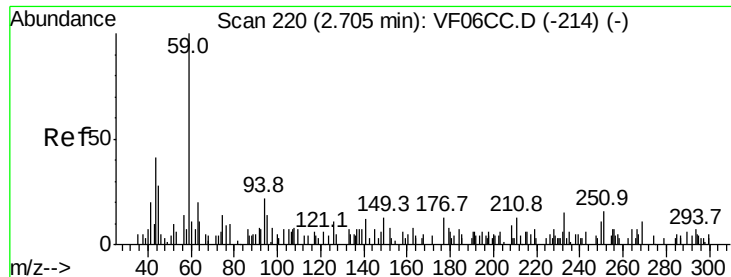
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	142	Resp:	313099
Ion Ratio	Lower	Upper	
142	100		
127	53.0	39.4	59.2
141	15.2	10.6	15.8





#11

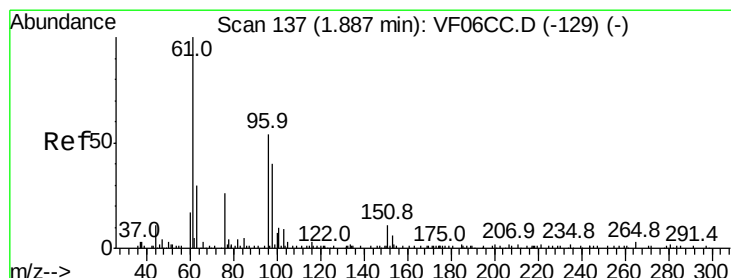
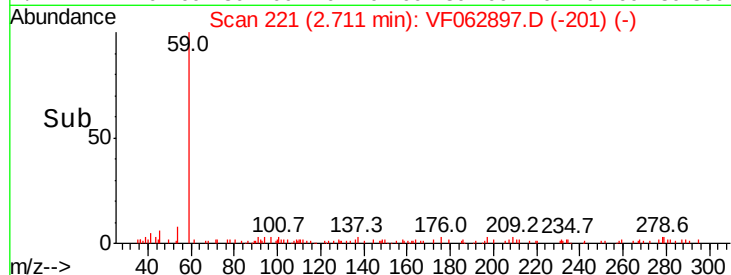
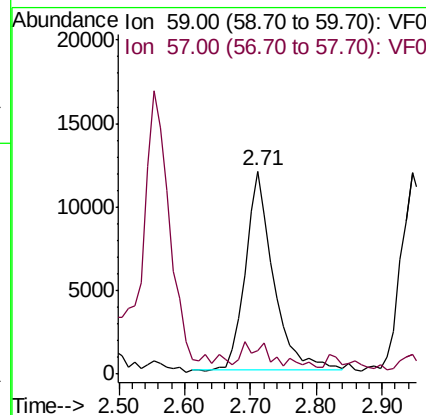
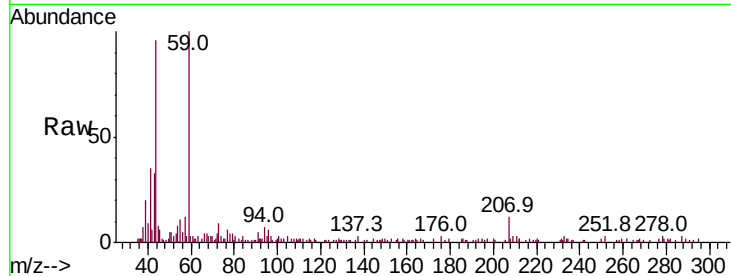
Tert butyl alcohol
Concen: 107.340 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	59	Resp	35621
Ion Ratio	100	Lower	Upper
57	11.8	9.2	13.8

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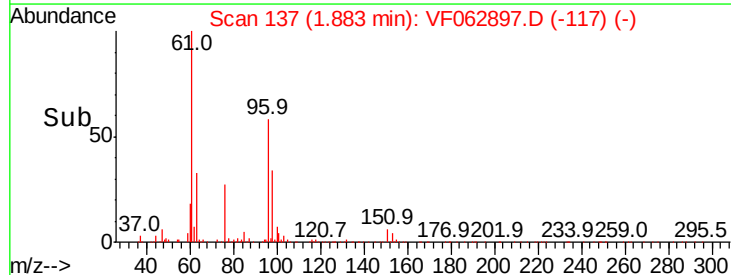
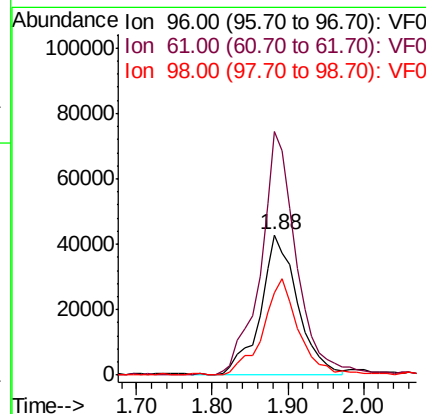
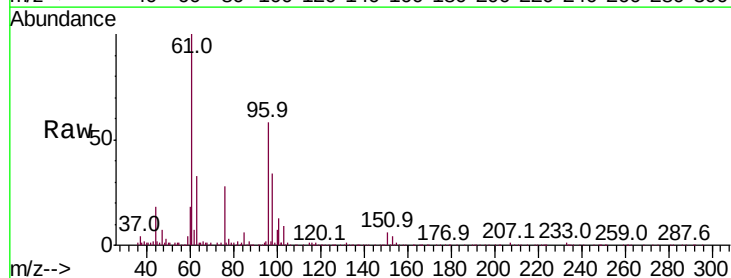
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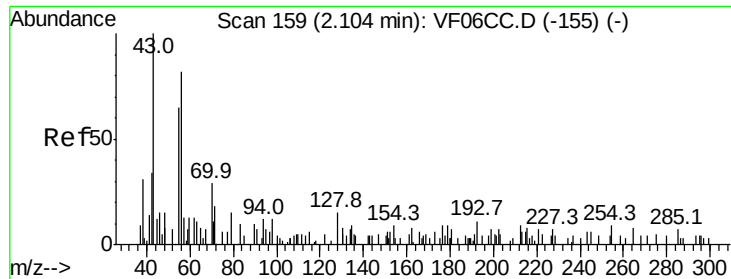


#12

1,1-Dichloroethene
Concen: 22.405 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	96	Resp	147492
Ion Ratio	100	Lower	Upper
61	173.7	139.4	209.2
98	59.1	50.3	75.5





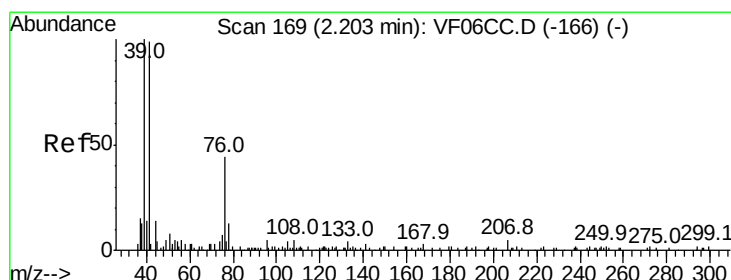
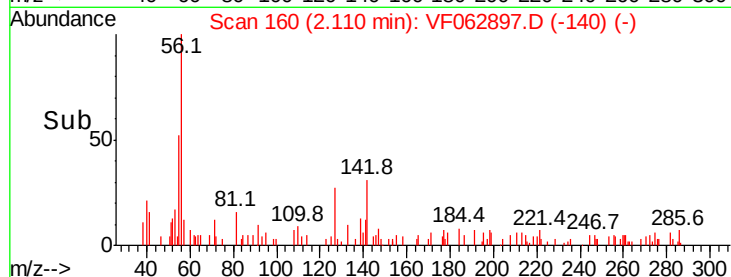
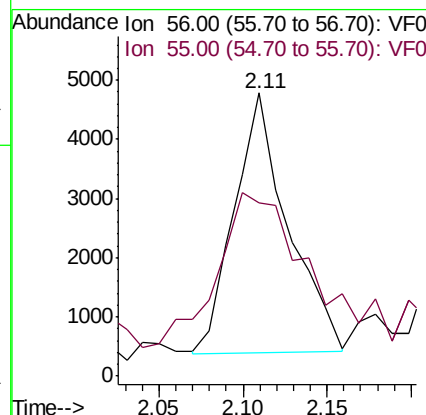
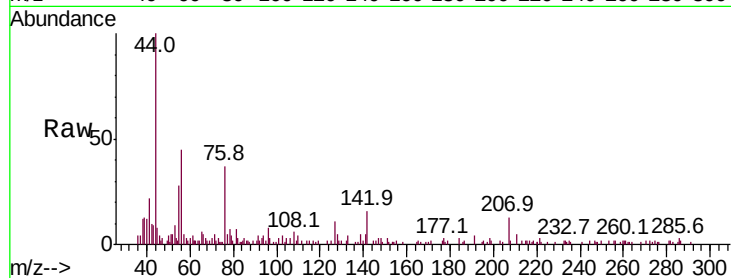
#13
Acrolein
Concen: 67.247 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleID :
VF0607SBSD01

Tot Ion: 56 Resp: 9708
Ion Ratio Lower Upper
56 100
55 61.1 52.9 79.3

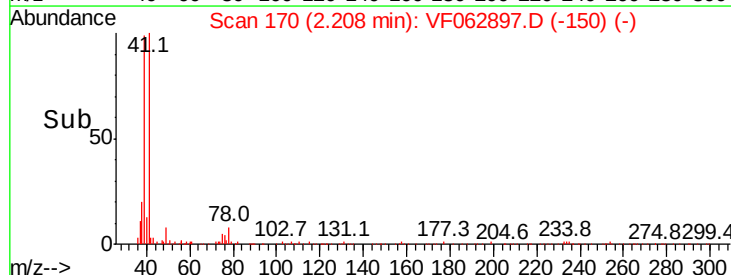
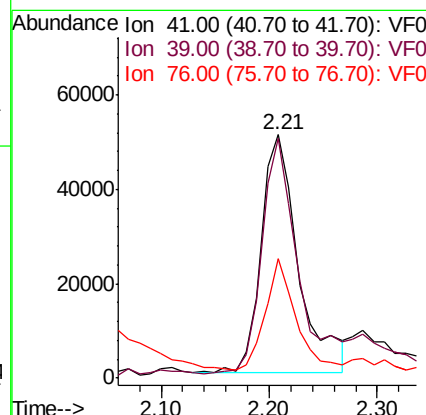
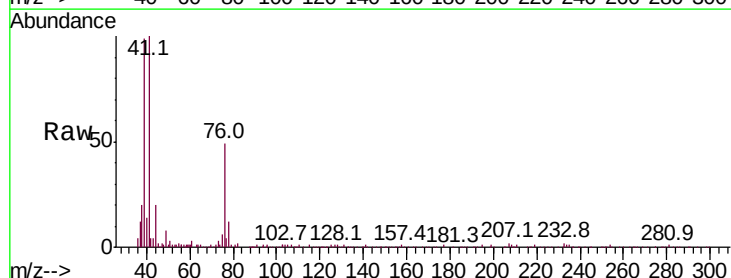
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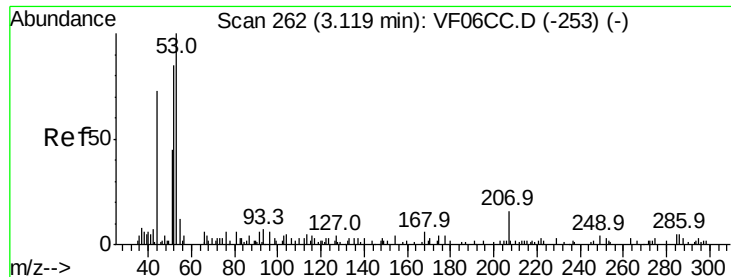
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#14
Allyl chloride
Concen: 23.716 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 41 Resp: 121121
Ion Ratio Lower Upper
41 100
39 98.7 71.9 107.9
76 48.8 39.6 59.4





#15

Acrylonitrile

Concen: 104.071 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

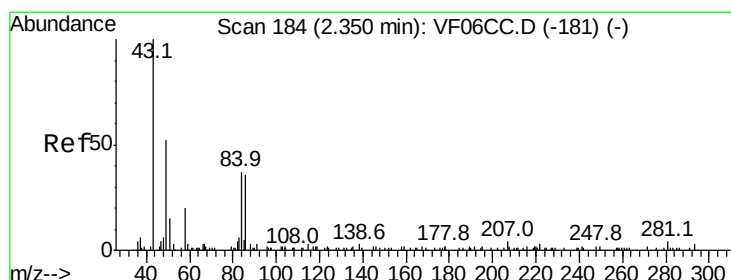
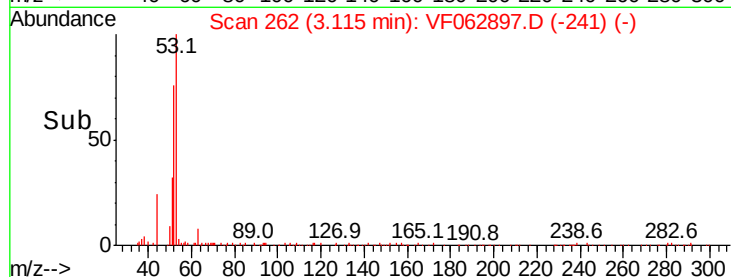
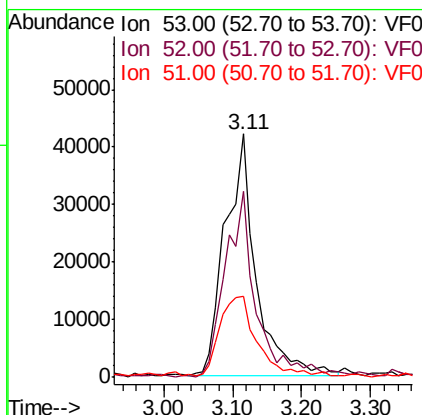
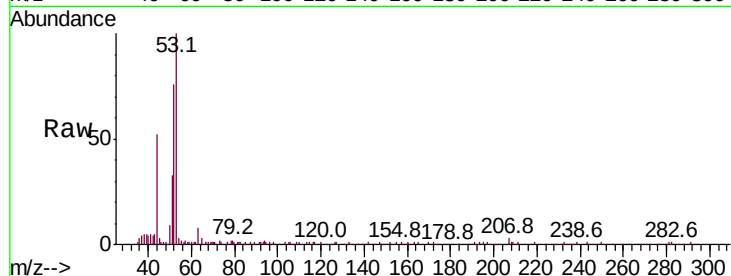
ClientSampleId :

VF0607SBS01

Tot Ion:	53	Resp:	129773
Ion Ratio	Lower	Upper	
53	100		
52	76.3	68.1	102.1
51	33.1	27.7	41.5

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#16

Acetone

Concen: 103.979 ug/l

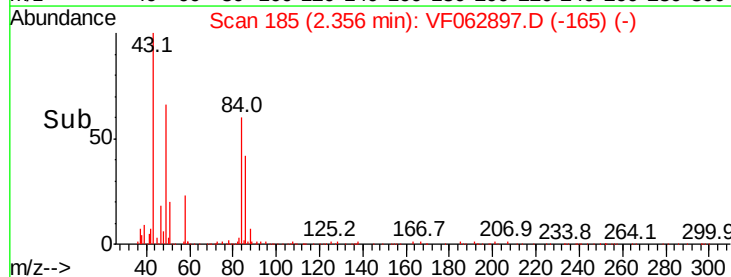
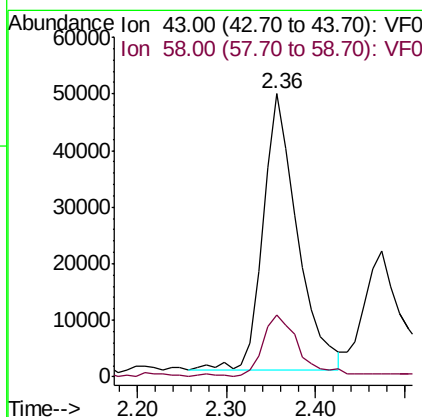
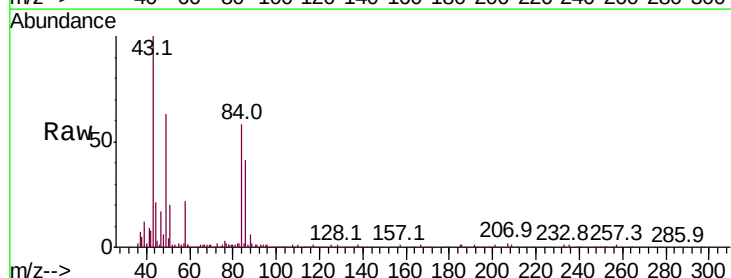
RT: 2.36 min Scan# 185

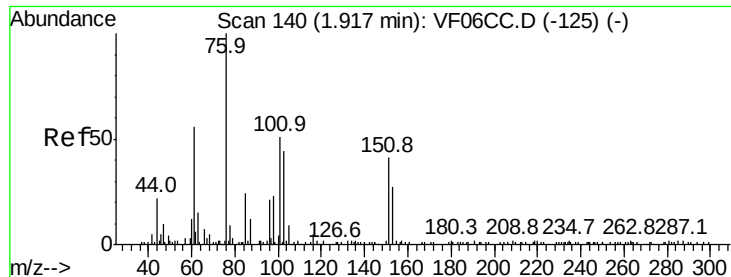
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	43	Resp:	130368
Ion Ratio	Lower	Upper	
43	100		
58	21.9	19.0	28.4





#17

Carbon Disulfide

Concen: 21.936 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBSD01

Tot Ion: 76 Resp: 422072

Ion Ratio Lower Upper

76 100

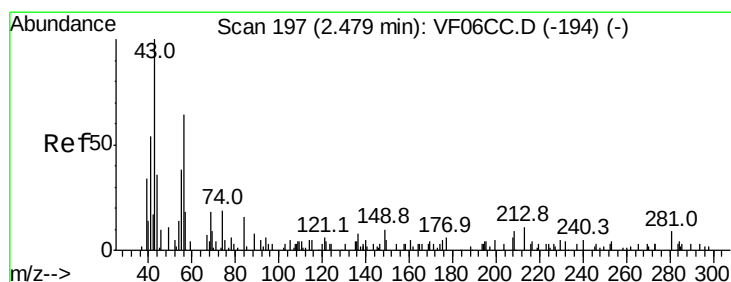
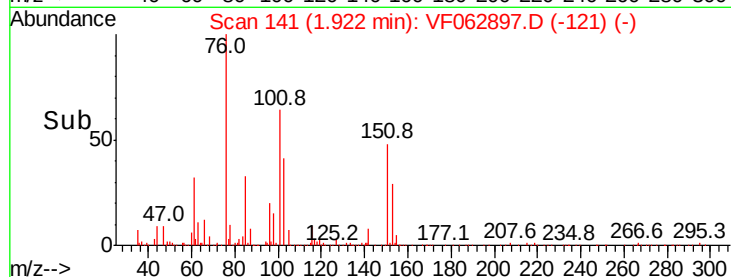
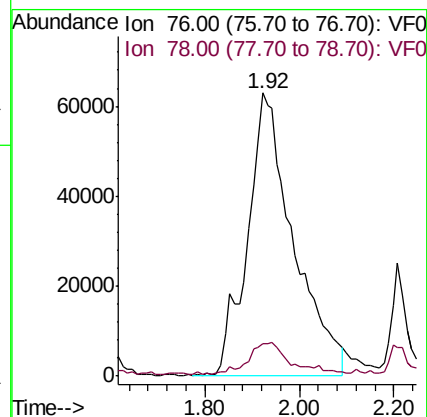
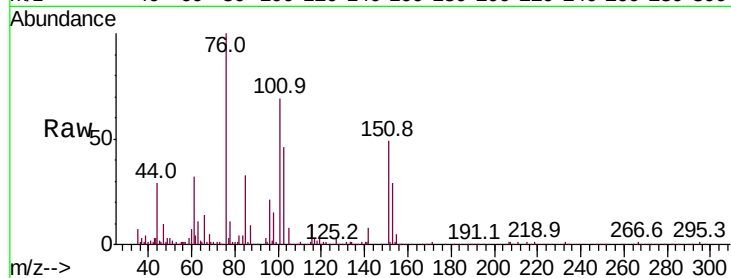
78 11.3 9.4 14.2

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#18

Methyl Acetate

Concen: 25.900 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062897.D

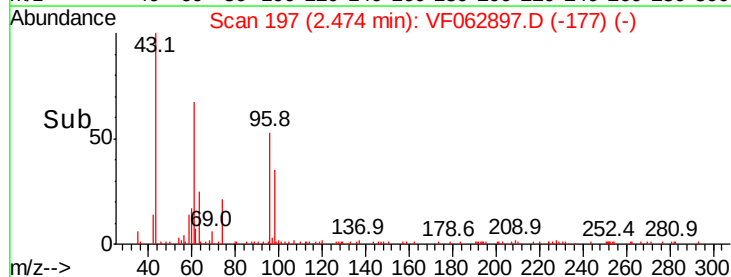
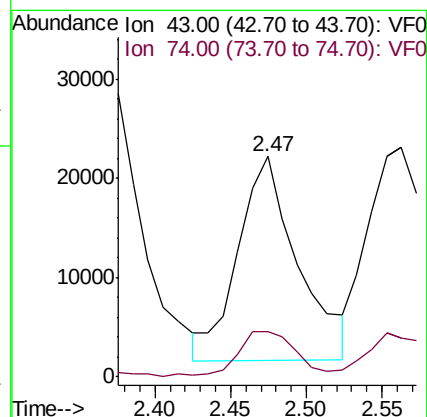
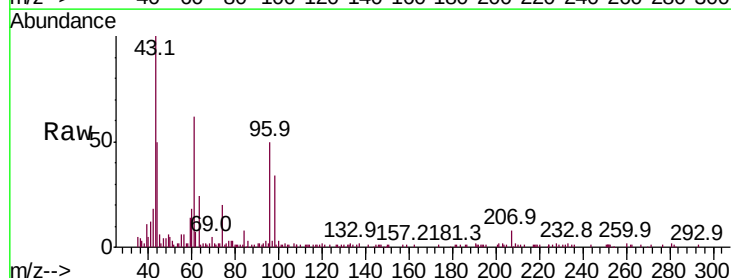
Acq: 7 Jun 2019 13:56

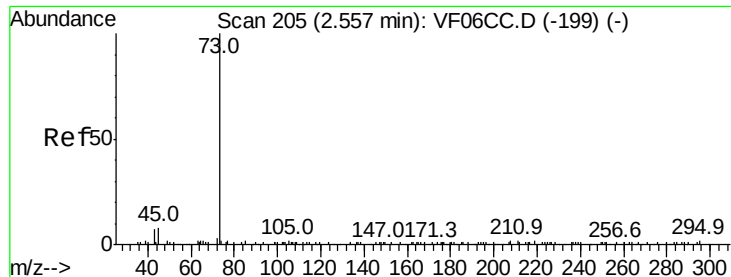
Tgt Ion: 43 Resp: 56747

Ion Ratio Lower Upper

43 100

74 20.4 22.1 33.1#





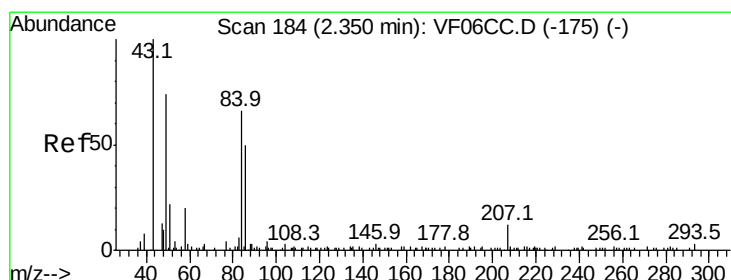
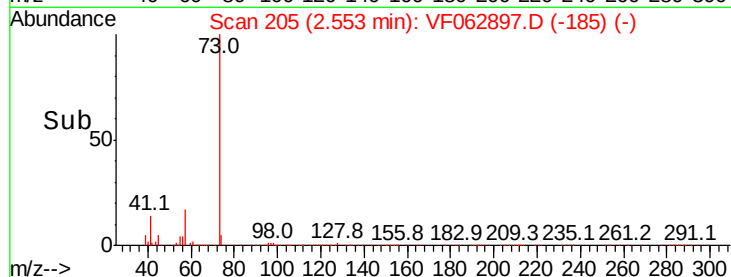
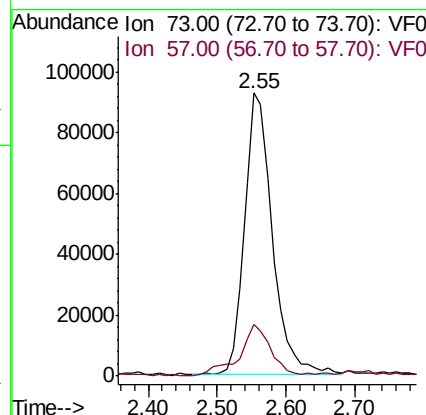
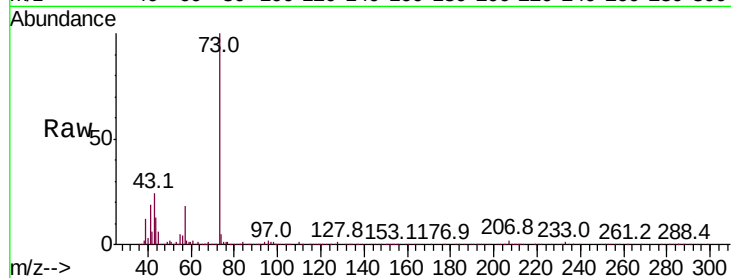
#19
Methyl tert-butyl Ether
Concen: 21.863 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleID :
VF0607SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	15.1	22.7

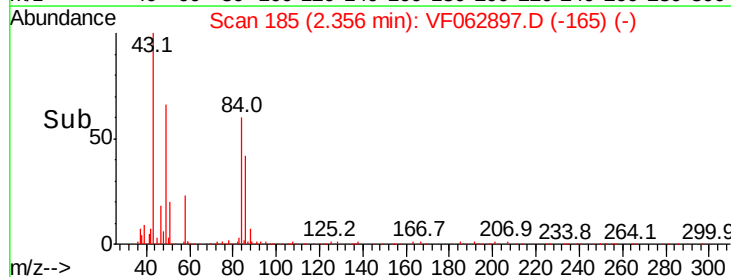
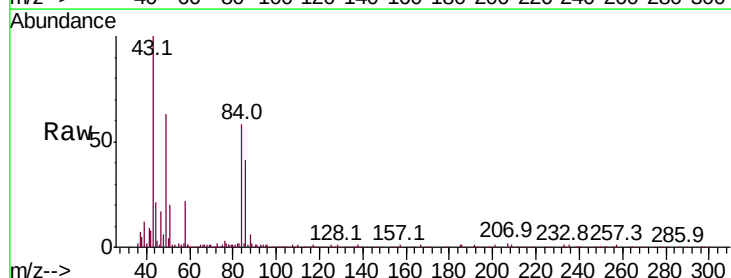
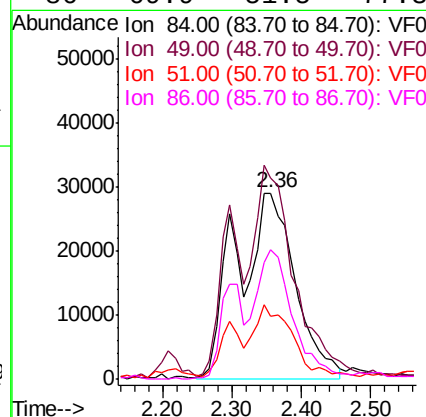
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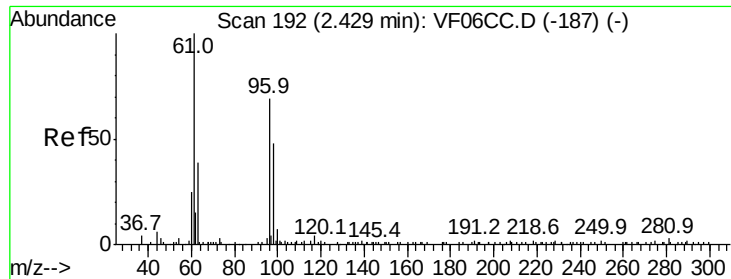
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#20
Methylene Chloride
Concen: 25.717 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.1	82.6	123.8
51	33.8	25.0	37.4
86	69.9	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 22.681 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

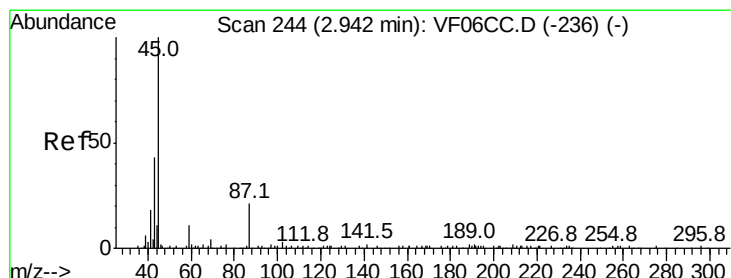
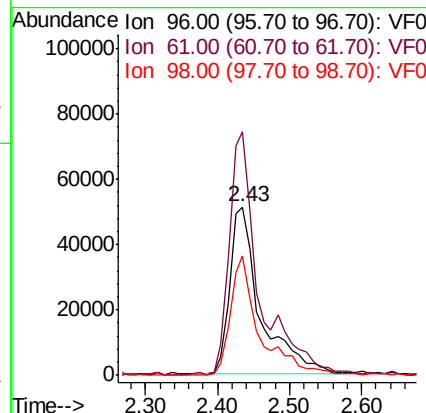
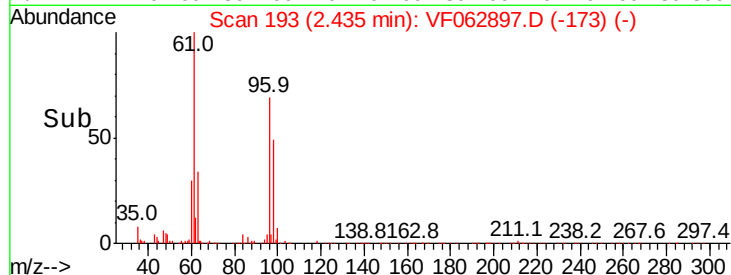
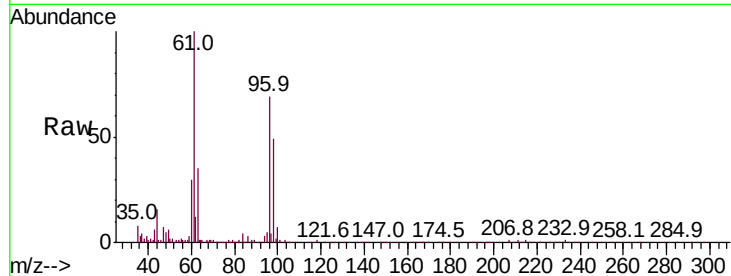
ClientSampleId :

VF0607SBSD01

Tot Ion:	96	Resp:	149710
Ion	Ratio	Lower	Upper
96	100		
61	144.6	105.0	157.6
98	70.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 21.877 ug/l

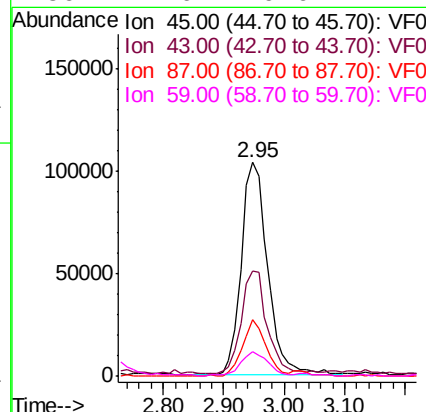
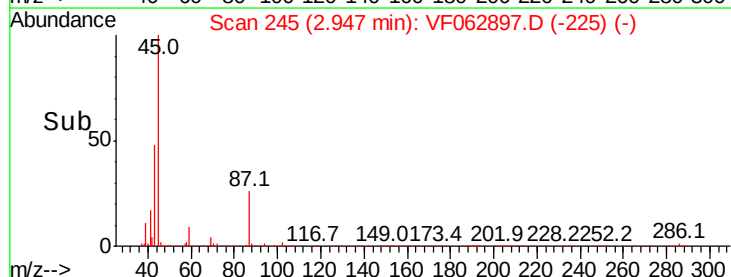
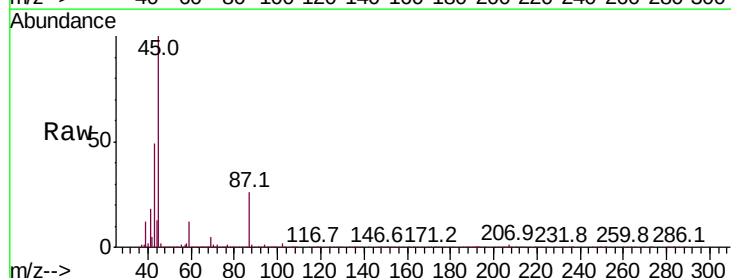
RT: 2.95 min Scan# 245

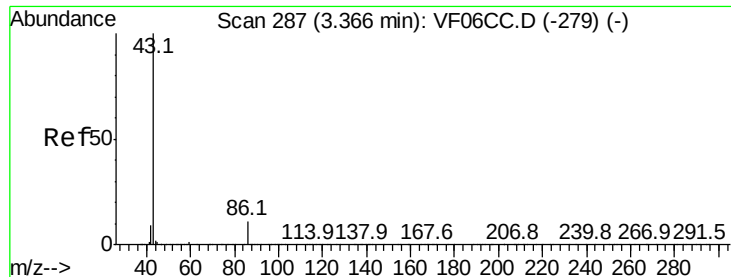
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	45	Resp:	317432
Ion	Ratio	Lower	Upper
45	100		
43	49.2	34.3	51.5
87	26.2	19.0	28.4
59	11.6	9.6	14.4





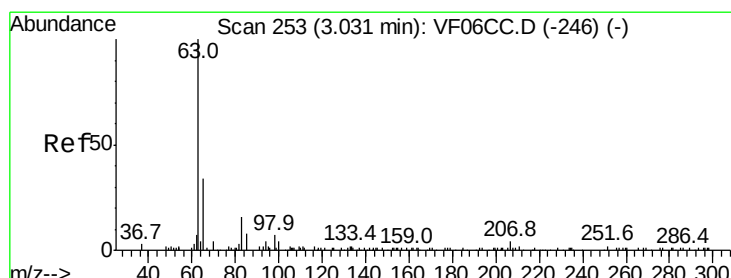
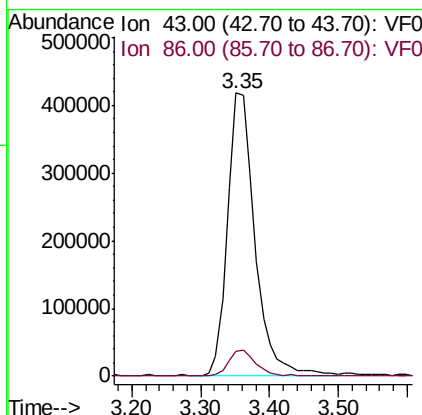
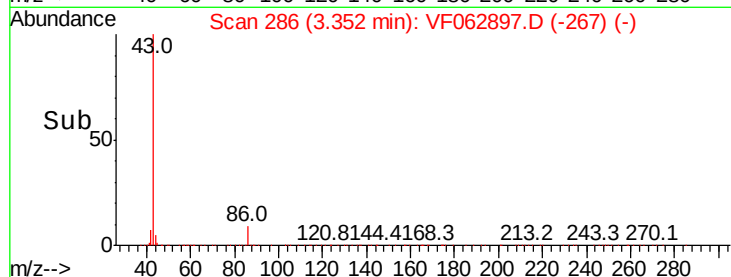
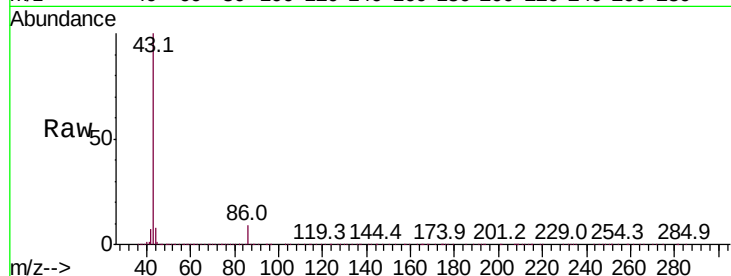
#23
 Vinyl Acetate
 Concen: 115.886 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Tot Ion: 43 Resp: 1151156
 Ion Ratio Lower Upper
 43 100
 86 8.9 8.2 12.2

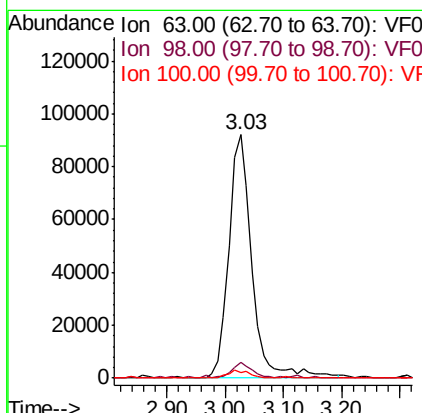
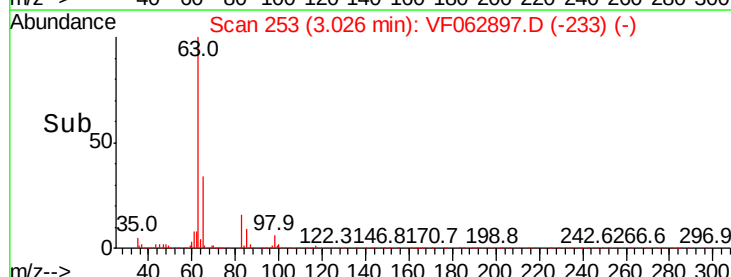
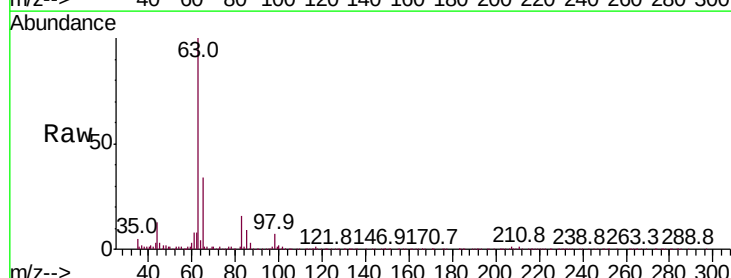
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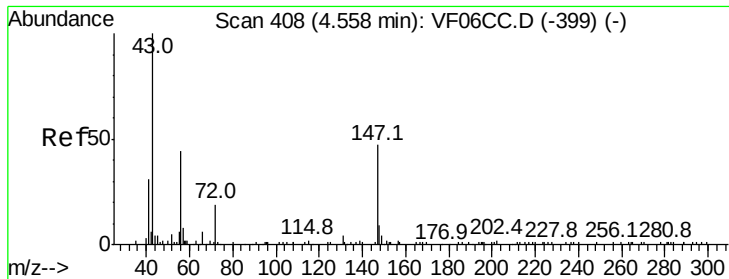
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#24
 1,1-Dichloroethane
 Concen: 23.258 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion: 63 Resp: 251966
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.4 7.1
 100 2.2 1.5 4.5





#25

2-Butanone

Concen: 100.919 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion: 43 Resp: 294662

Ion Ratio Lower Upper

43 100

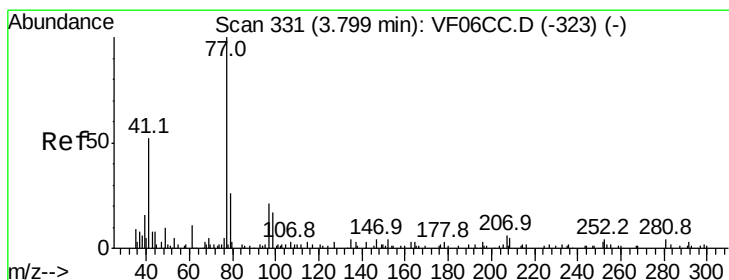
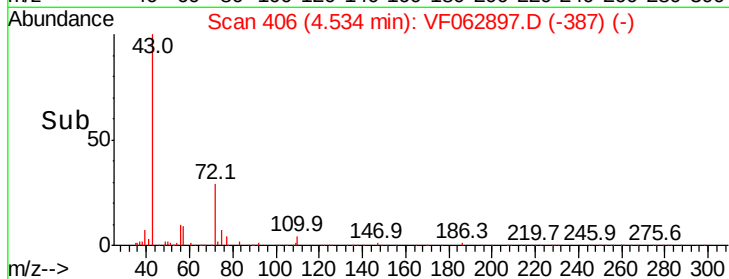
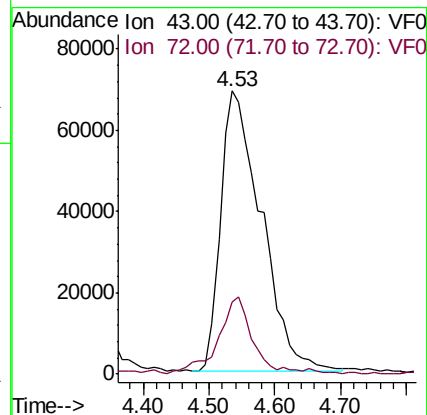
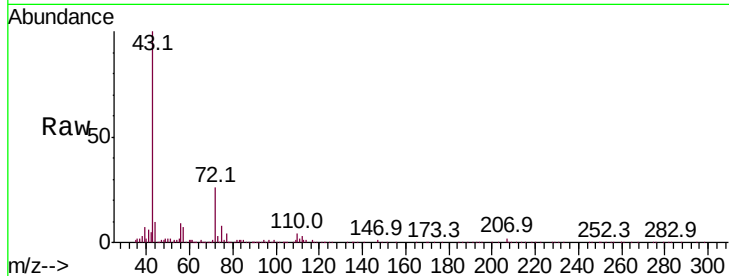
72 25.6 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 25.307 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.02 min

Lab File: VF062897.D

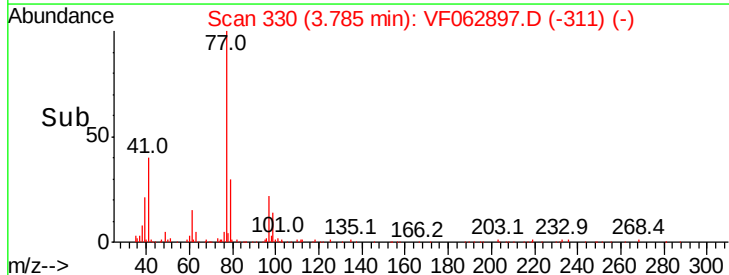
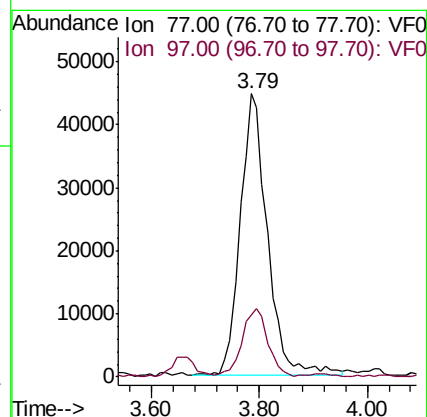
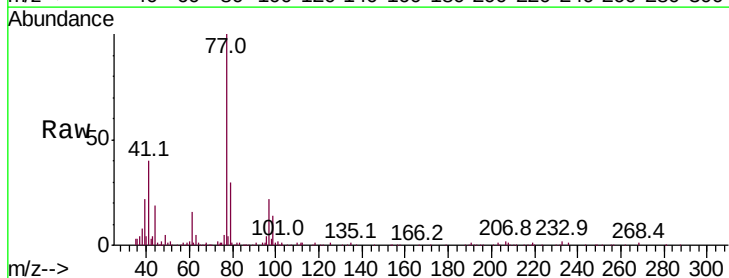
Acq: 7 Jun 2019 13:56

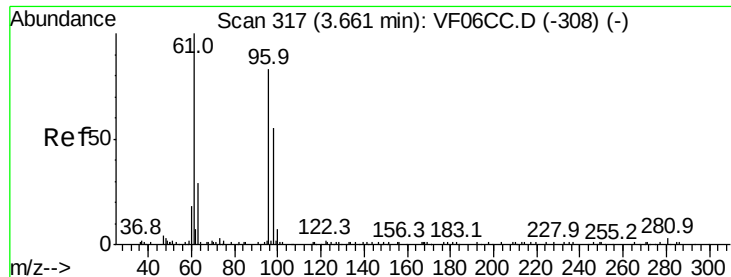
Tgt Ion: 77 Resp: 155672

Ion Ratio Lower Upper

77 100

97 21.9 12.4 37.4





#27

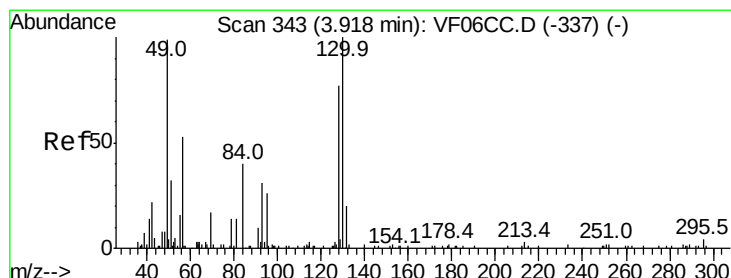
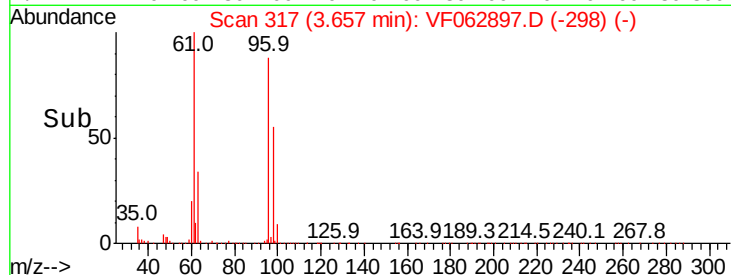
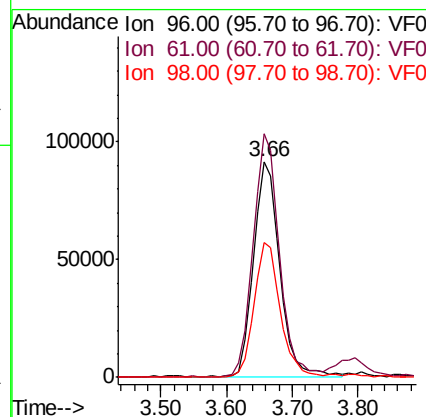
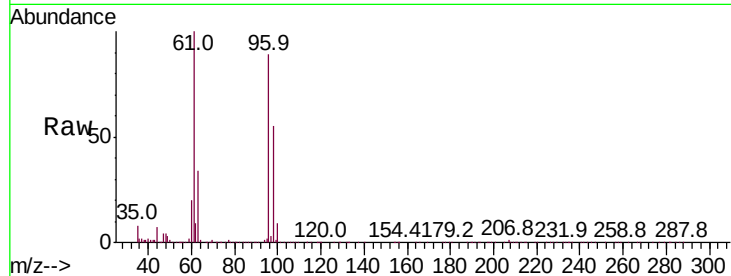
cis-1,2-Dichloroethene
Concen: 23.024 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	255452		
61	112.9	0.0	213.8	
98	62.6	0.0	127.0	

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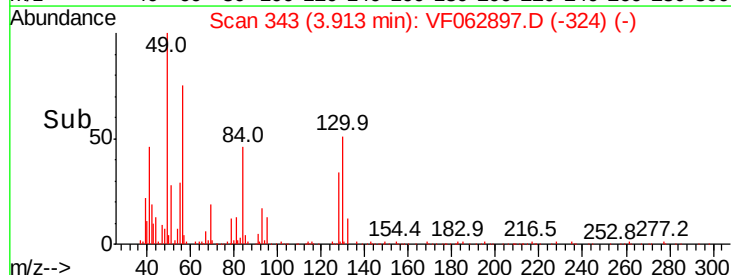
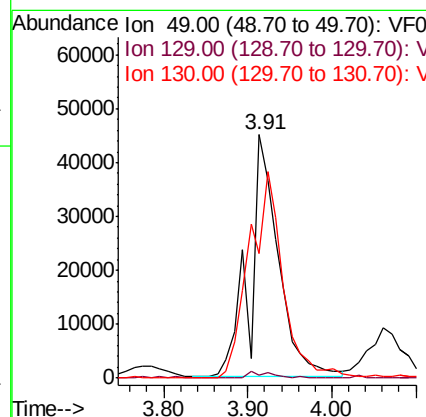
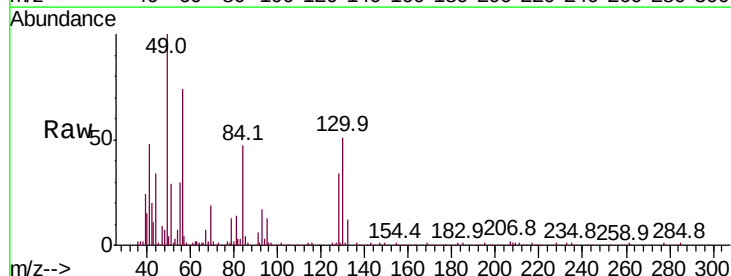
MMDadoda
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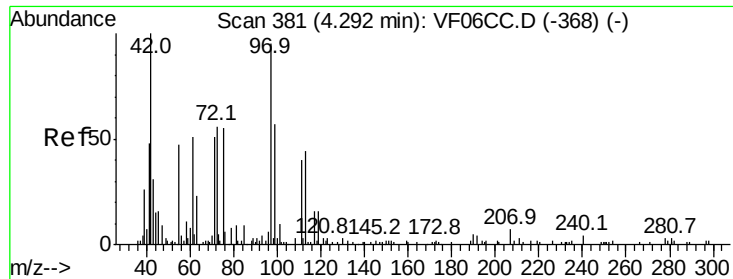


#28

Bromochloromethane
Concen: 18.084 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106569		
129	1.1	0.0	5.4	
130	52.0	79.2	118.8#	





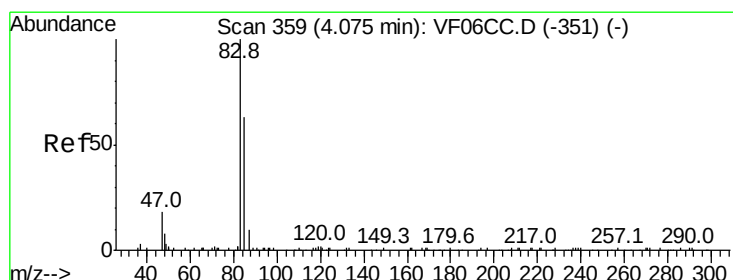
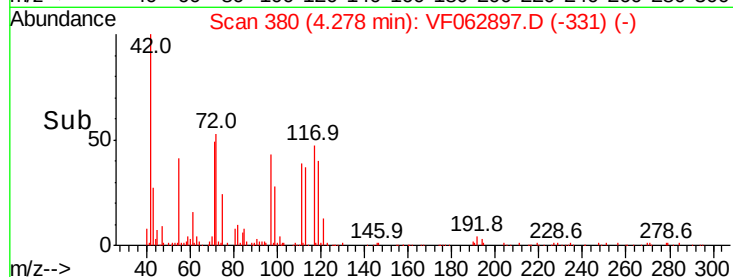
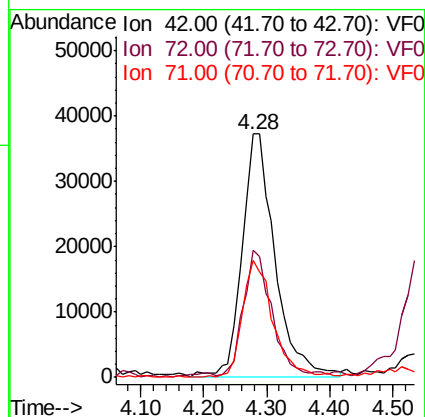
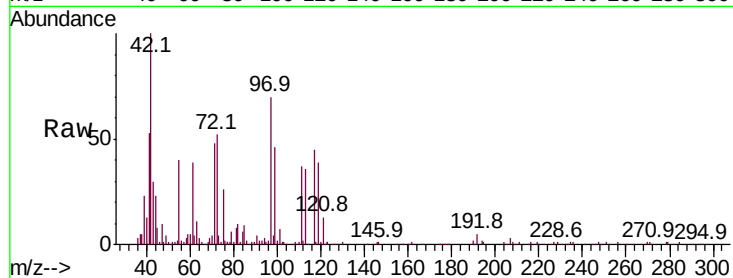
#29
Tetrahydrofuran
Concen: 121.365 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	135533		
72	45.1		39.0	58.6
71	44.4		36.9	55.3

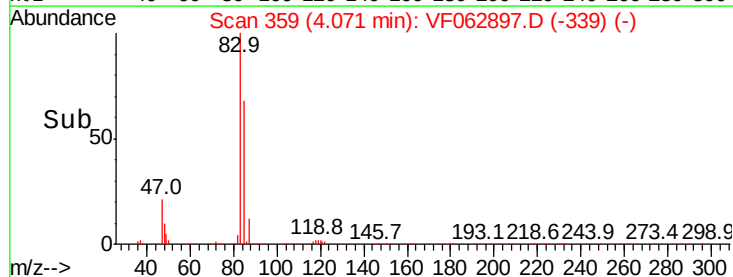
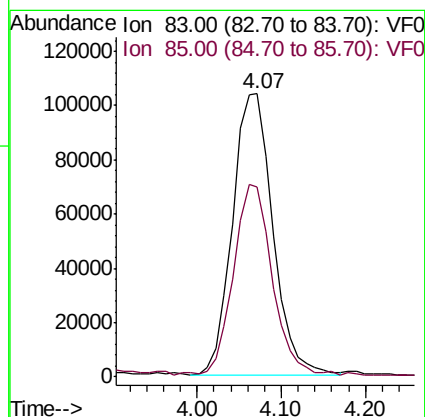
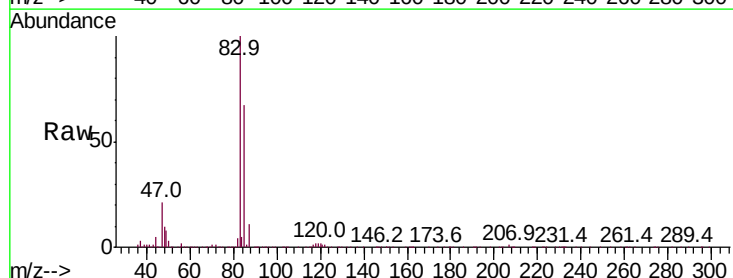
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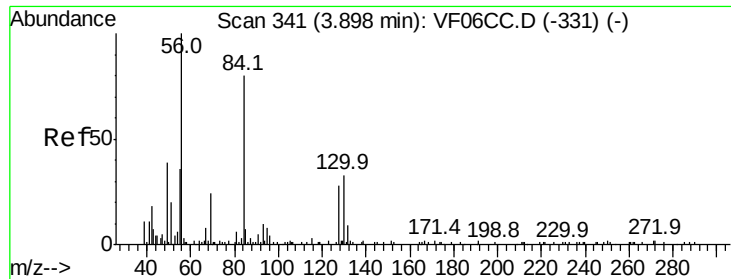
MMDadoda
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#30
Chloroform
Concen: 22.648 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	345809		
85	66.9		55.0	82.6





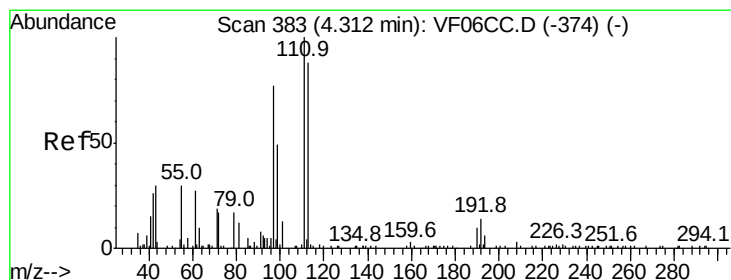
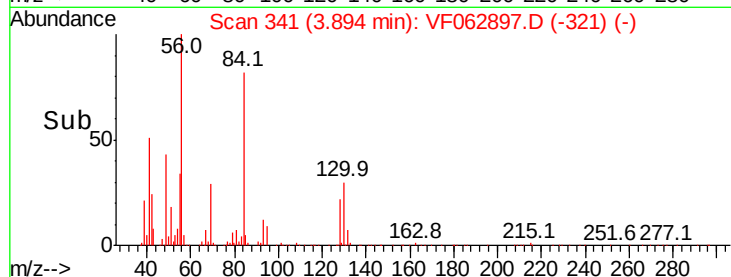
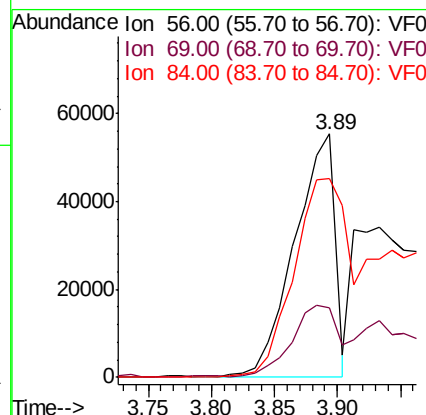
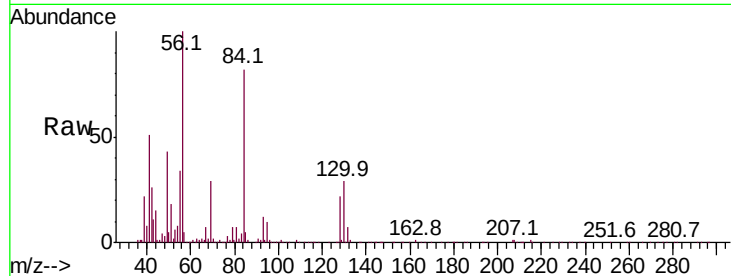
#31
Cyclohexane
Concen: 8.311 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	26.7	40.1
84	81.7	74.3	111.5

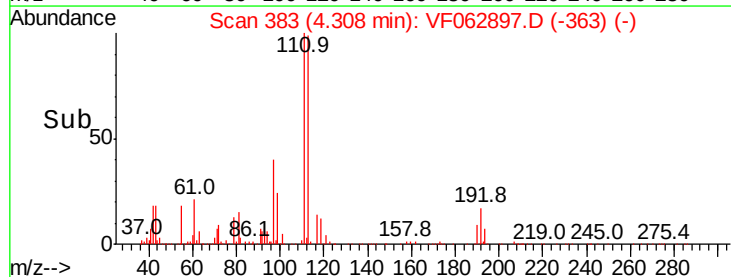
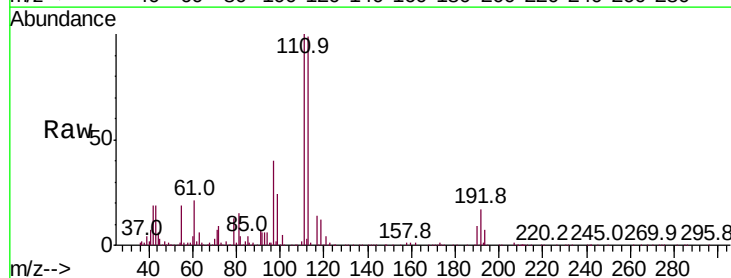
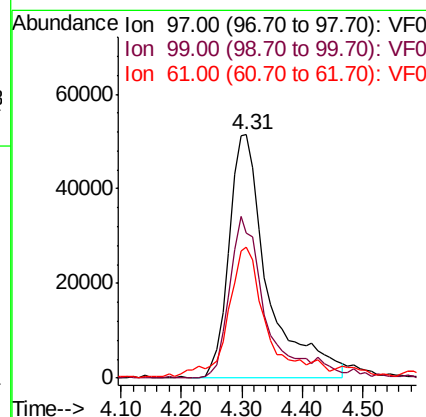
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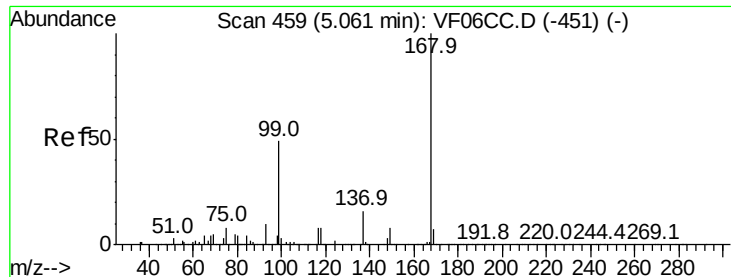
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#32
1,1,1-Trichloroethane
Concen: 25.860 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.5	51.7	77.5
61	53.6	38.9	58.3





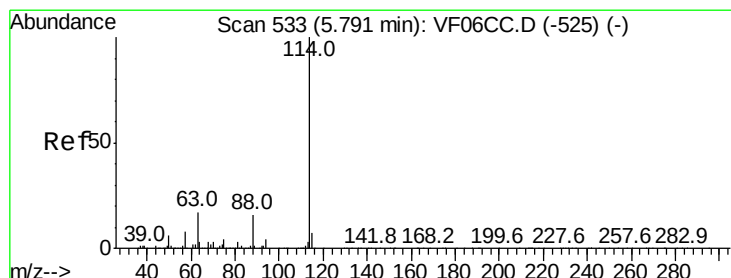
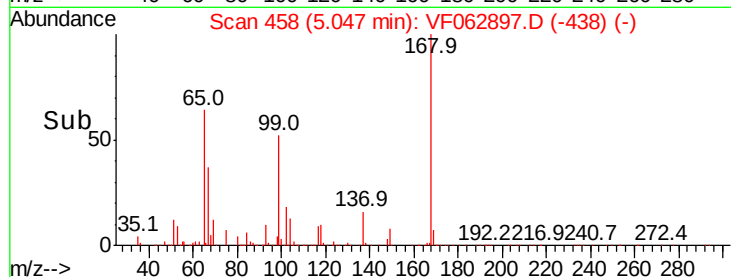
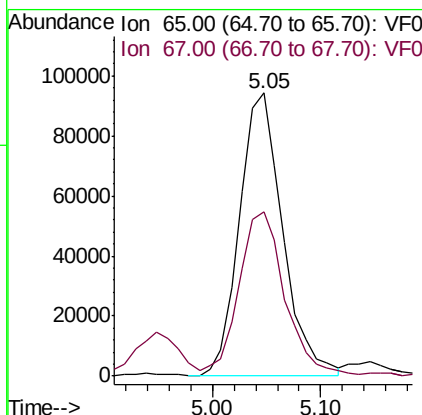
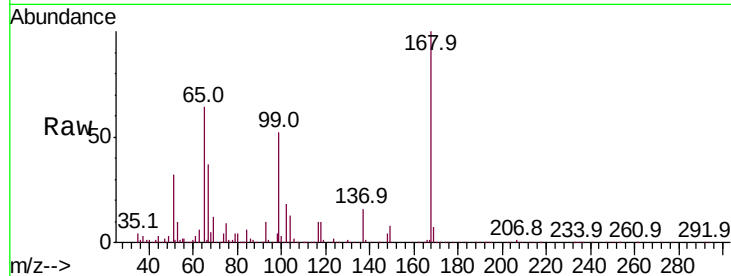
#33
 1,2-Dichloroethane-d4
 Concen: 47.881 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.2	0.0	121.2

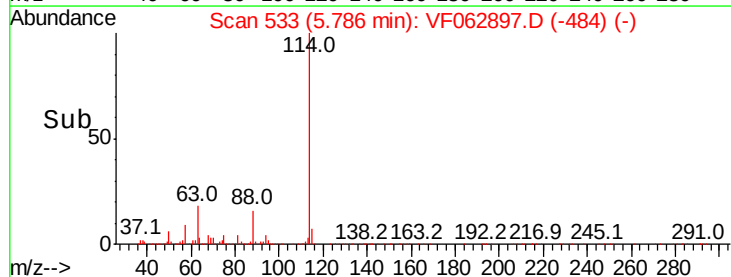
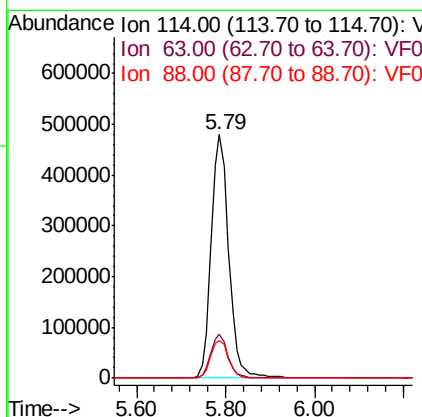
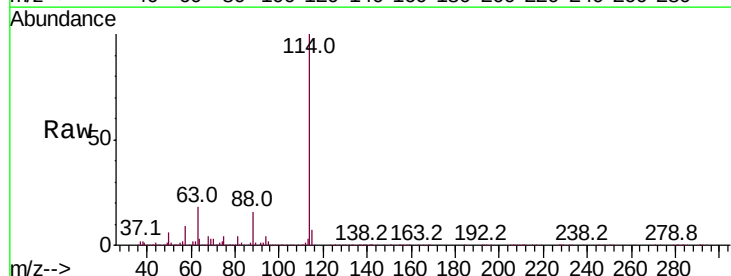
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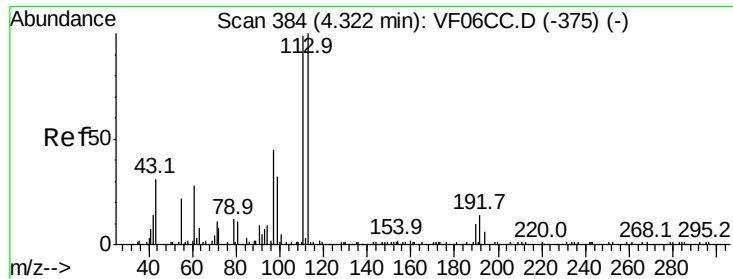
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.2
88	15.6	0.0	31.2





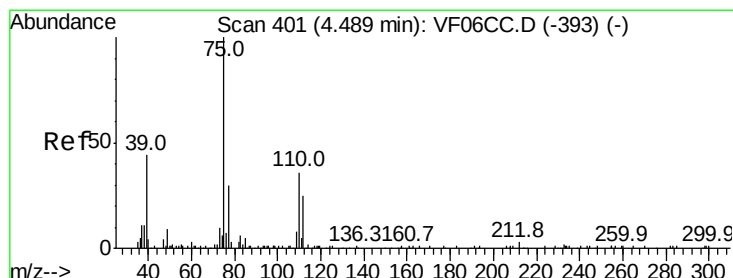
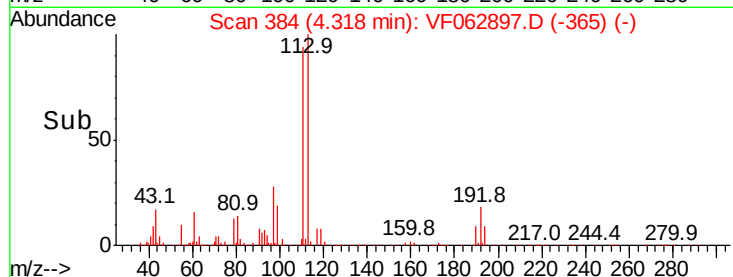
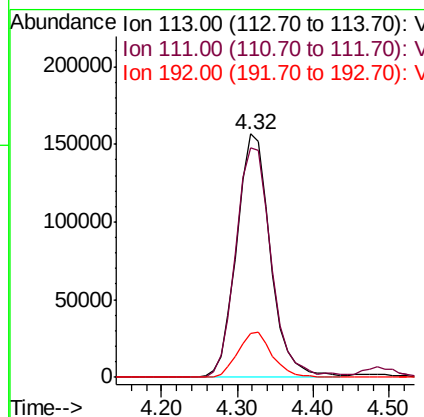
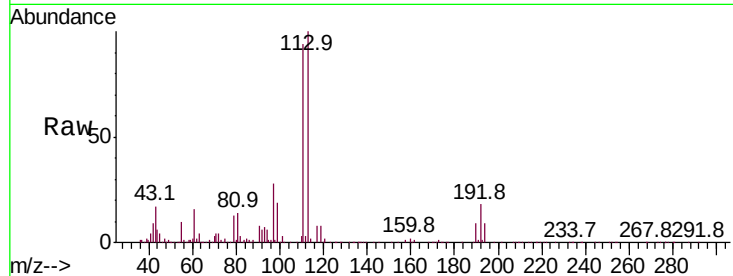
#35
 Dibromofluoromethane
 Concen: 49.247 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	486058		
111	94.1	81.9	122.9	
192	17.8	15.1	22.7	

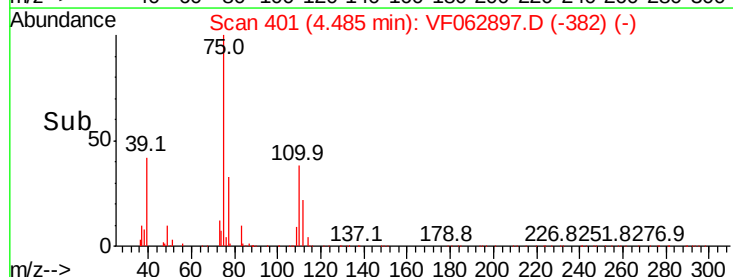
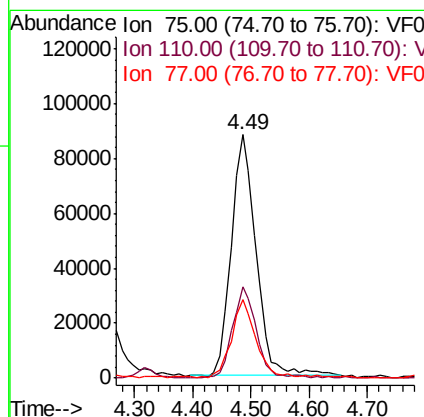
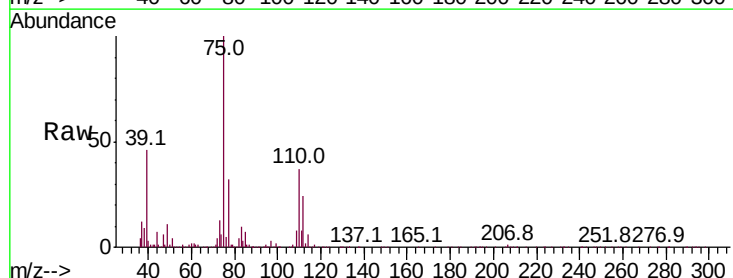
Manual Integrations
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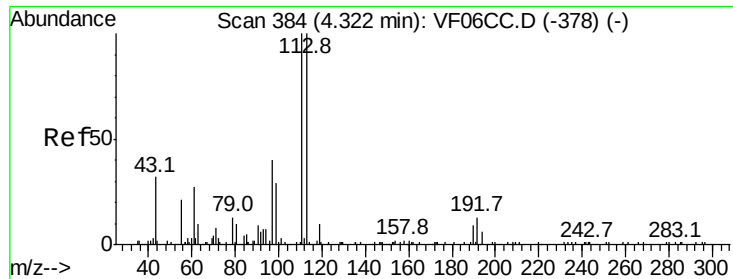
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#36
 1,1-Dichloropropene
 Concen: 21.598 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	259695		
110	37.4	19.4	58.1	
77	32.2	25.4	38.2	





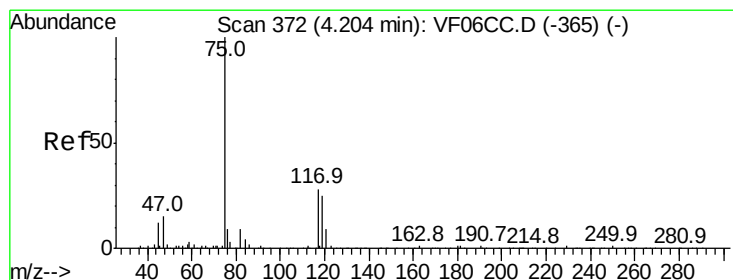
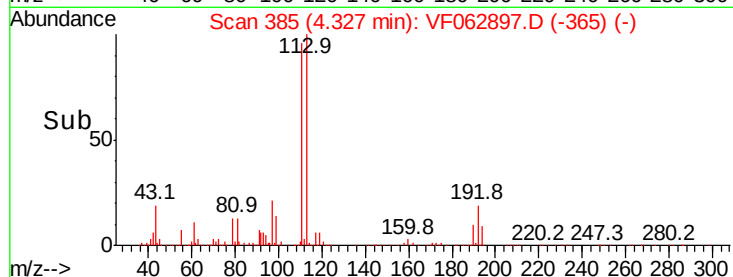
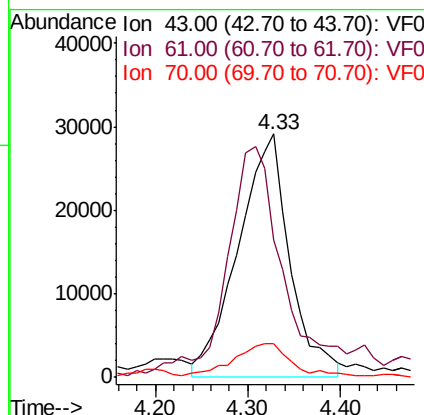
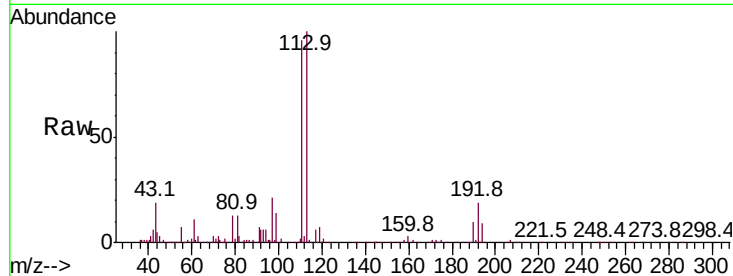
#37
Ethyl Acetate
Concen: 24.581 ug/l m
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	56.3	59.1	88.7#
70	13.9	10.1	15.1

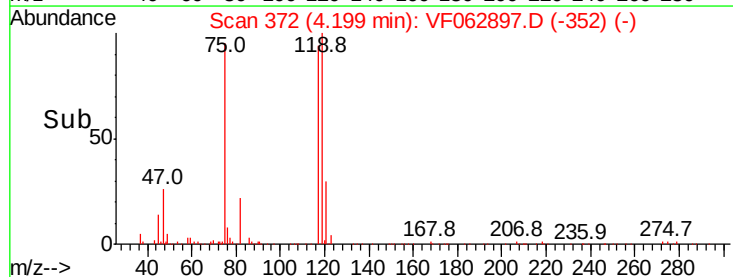
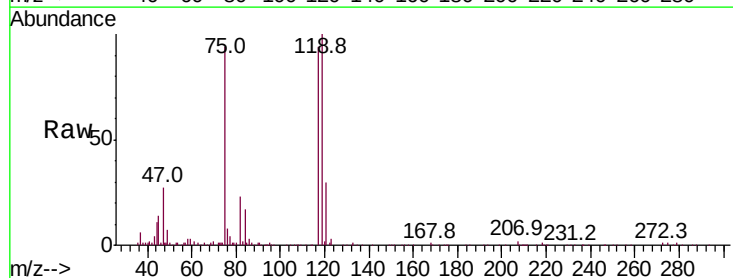
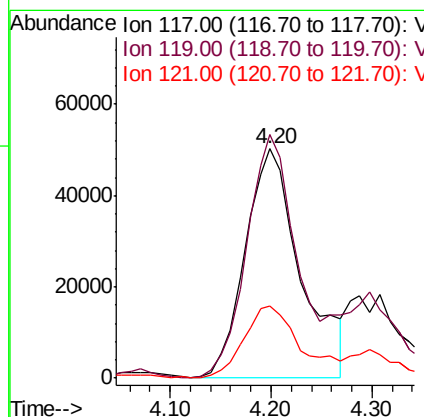
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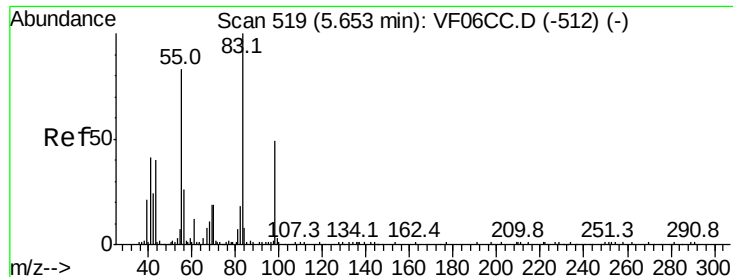
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.683 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.3	78.2	117.2
121	31.6	28.2	42.2





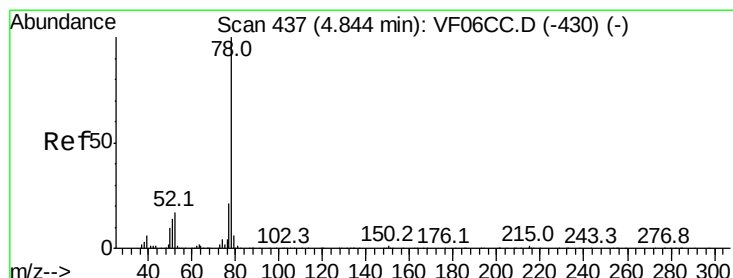
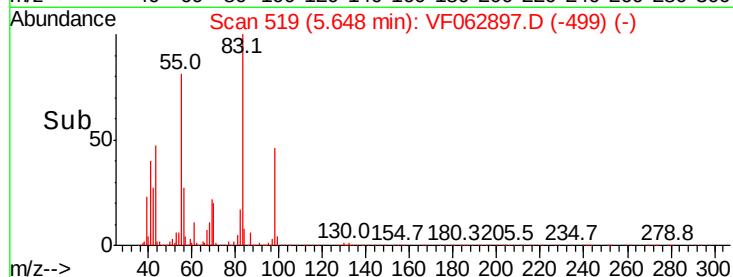
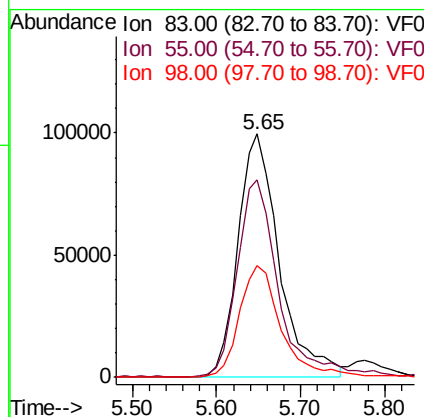
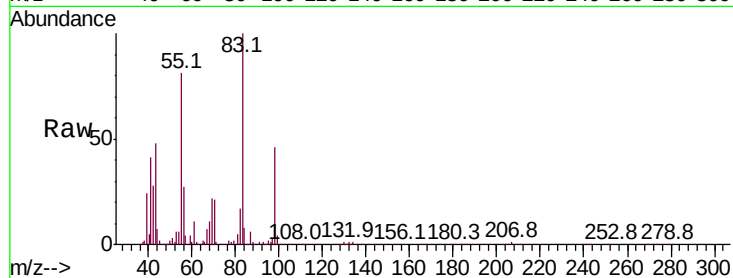
#39
Methylcyclohexane
Concen: 22.777 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.2	61.6	92.4	
98	45.9	37.4	56.2	

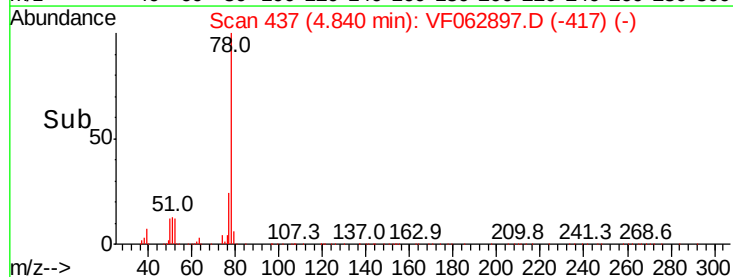
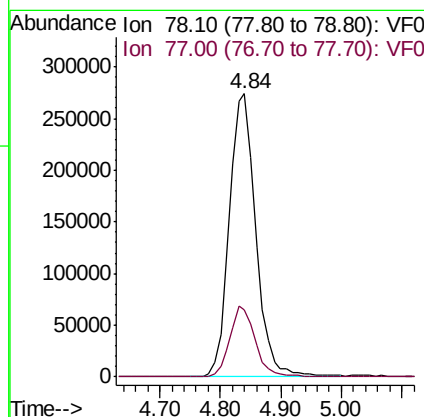
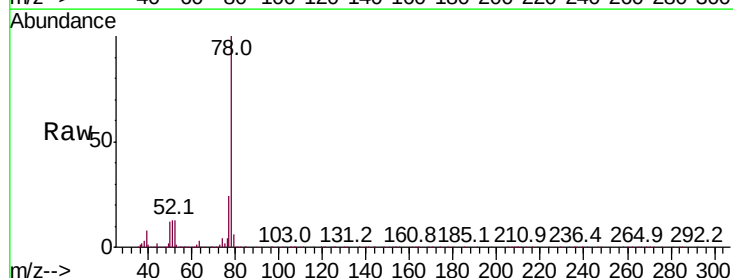
Manual Integrations
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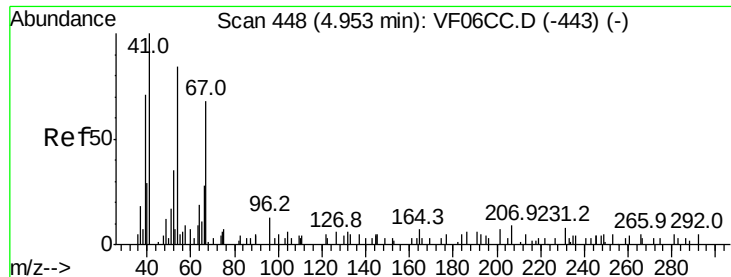
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#40
Benzene
Concen: 23.816 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.9	28.3	





#41

Methacrylonitrile

Concen: 24.865 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

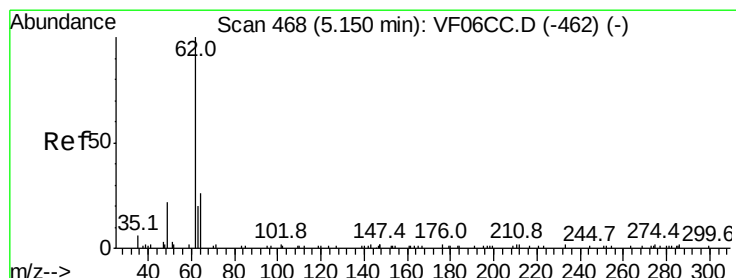
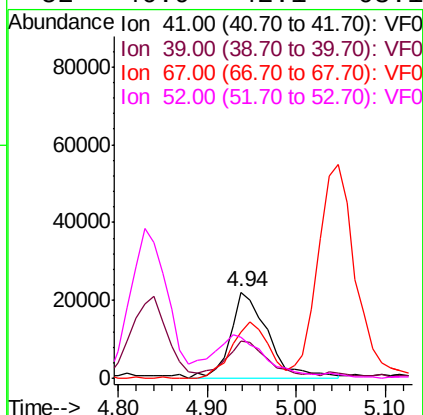
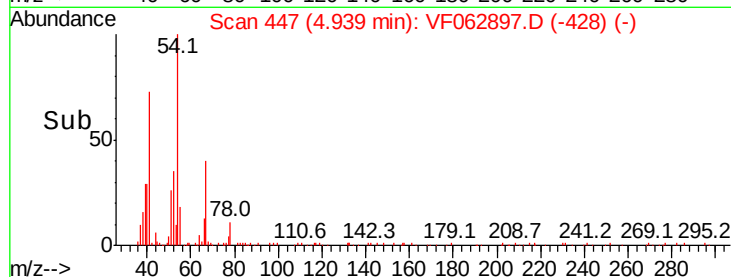
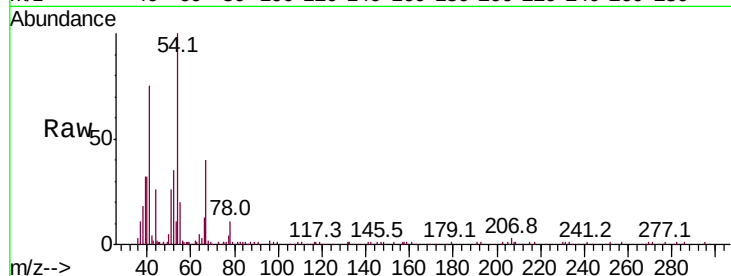
ClientSampled :

VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.2	42.0	63.0
67	53.2	61.4	92.0#
52	46.9	42.1	63.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.712 ug/l

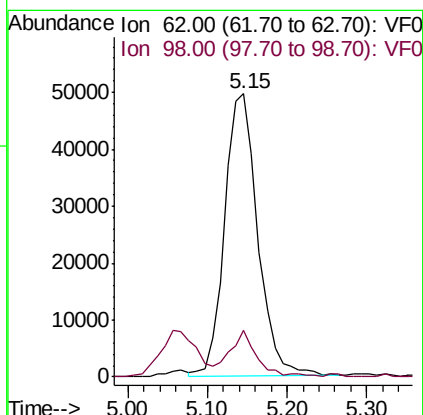
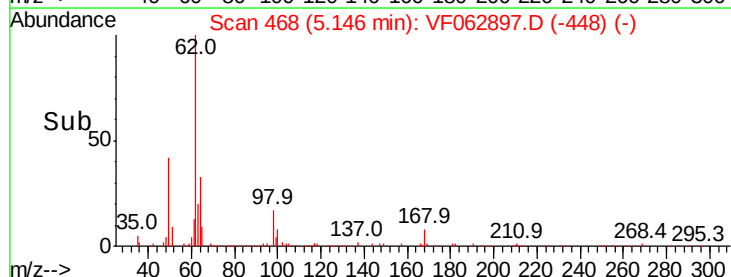
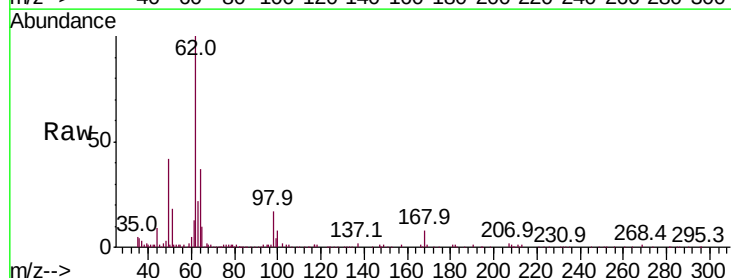
RT: 5.15 min Scan# 468

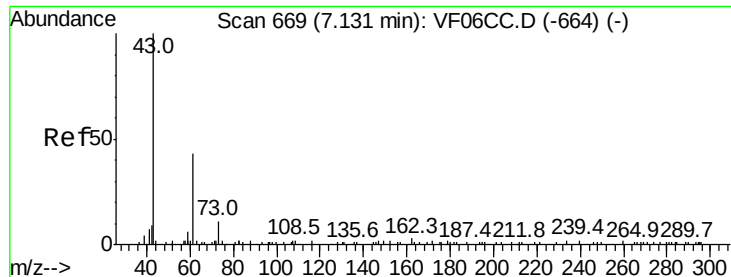
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	16.5	0.0	24.0





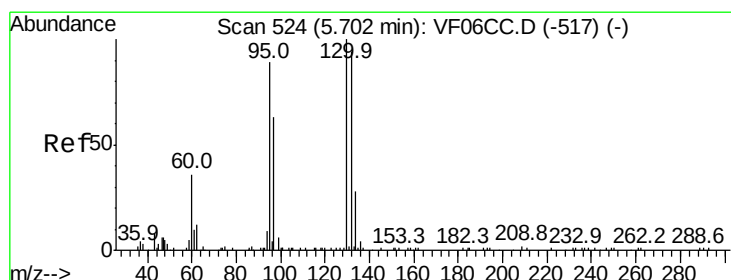
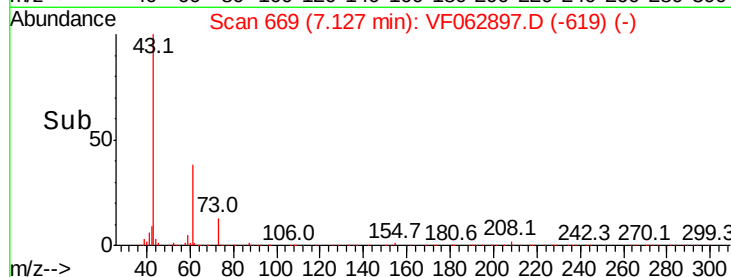
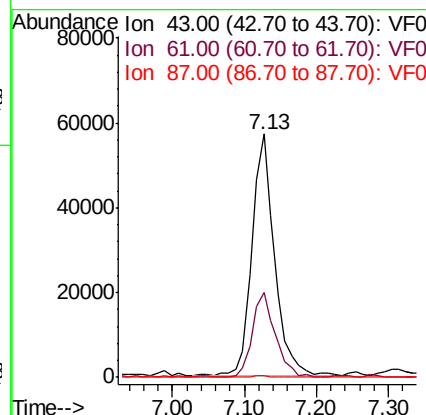
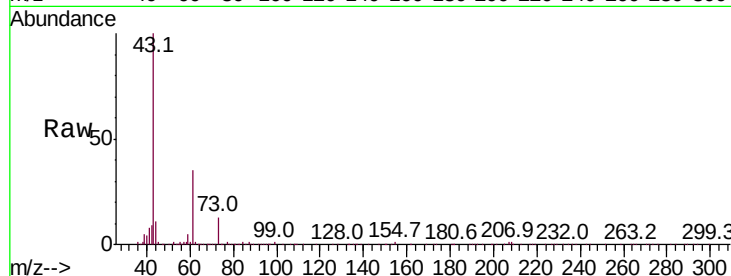
#43
Isopropyl Acetate
Concen: 20.661 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	35.0	29.8	44.6	
87	0.6	0.3	0.5	

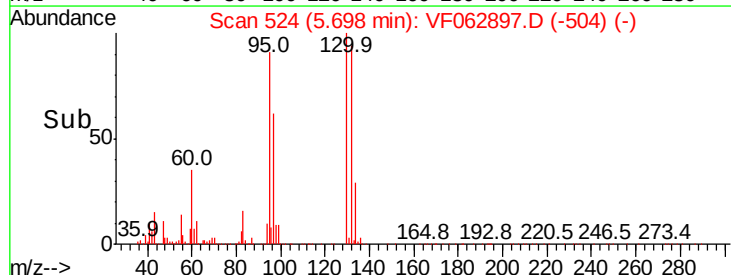
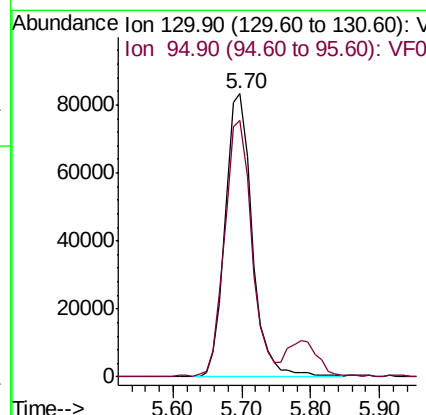
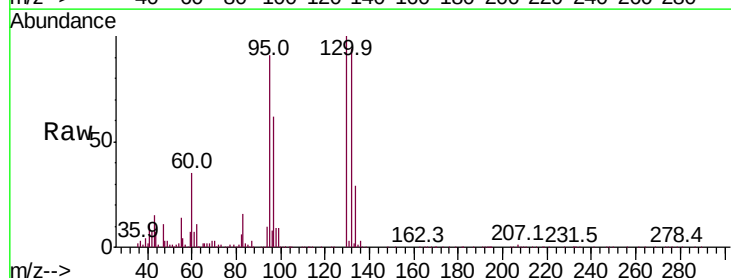
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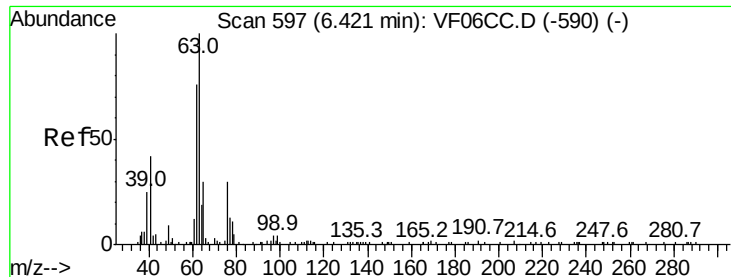
MMDadoda
6/10/2019 12:25:37 PM



#44
Trichloroethene
Concen: 22.983 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
130	100			
95	90.6	0.0	188.2	





#45

1,2-Dichloropropane

Concen: 23.414 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062897.D

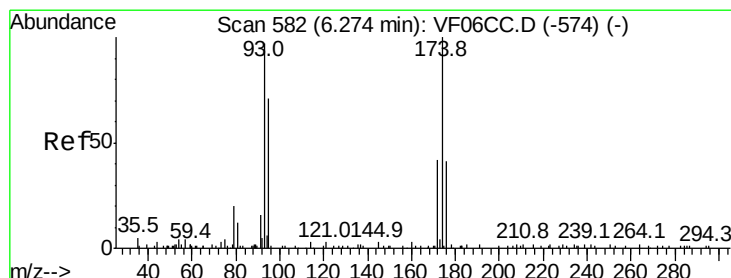
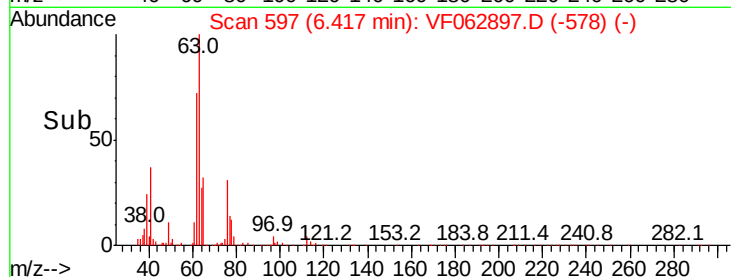
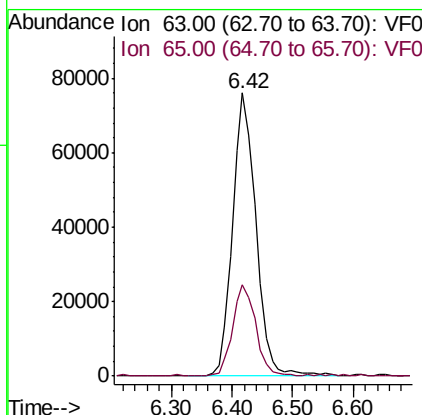
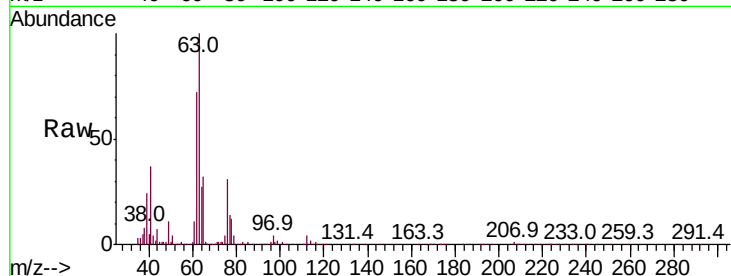
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	205617		
65	32.4		24.2	36.2

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#46

Dibromomethane

Concen: 22.325 ug/l

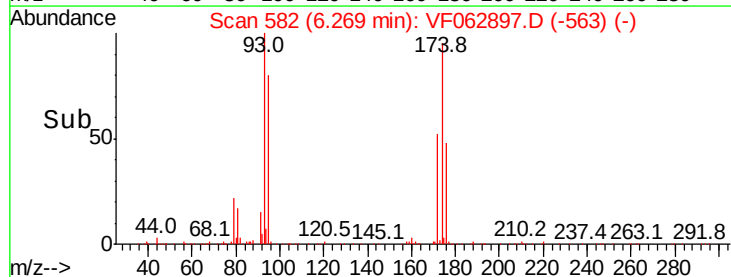
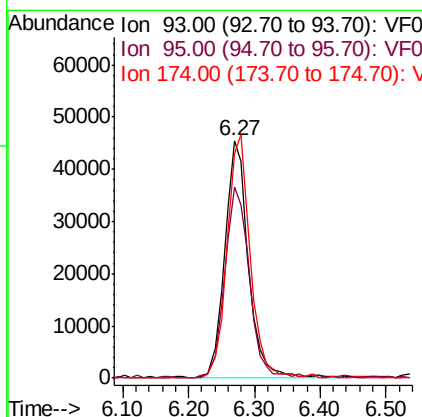
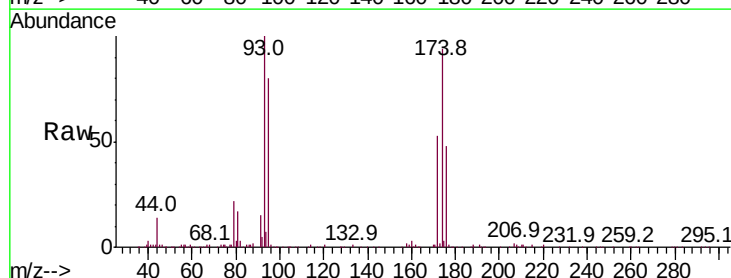
RT: 6.27 min Scan# 582

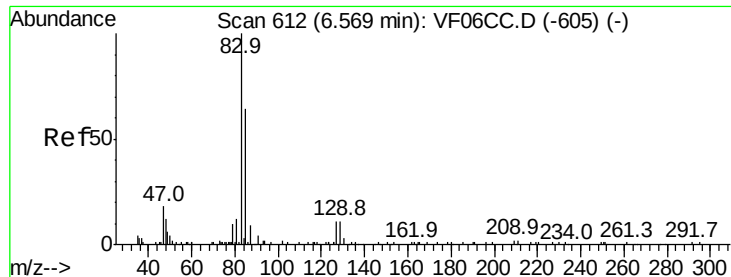
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	114465		
95	80.2		67.9	101.9
174	94.3		85.0	127.4





#47

Bromodichloromethane

Concen: 21.785 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

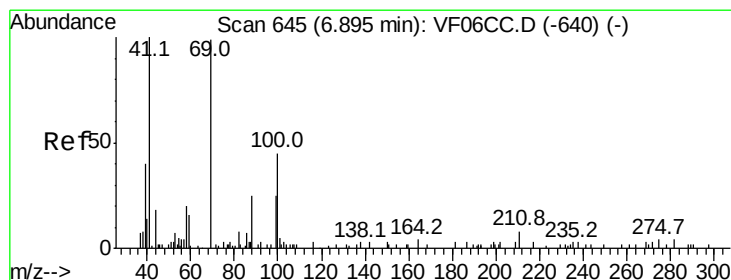
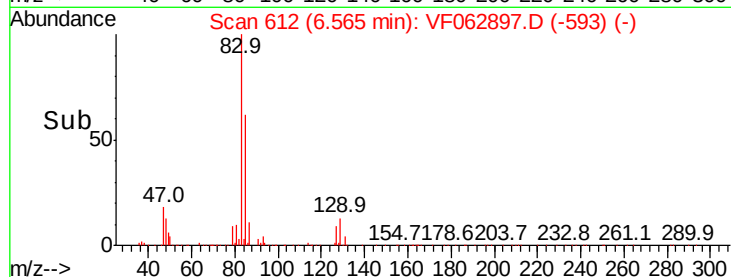
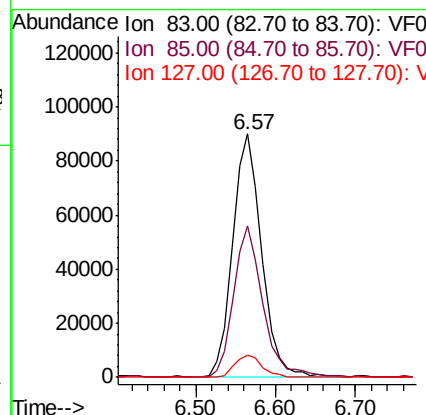
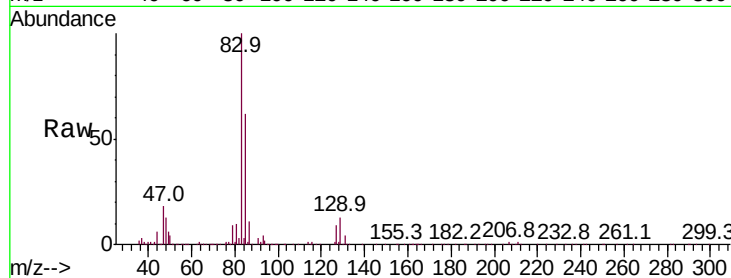
ClientSampleId :

VF0607SBSD01

Tot Ion:	83	Resp:	227470
Ion	Ratio	Lower	Upper
83	100		
85	62.2	54.2	81.4
127	9.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.721 ug/l

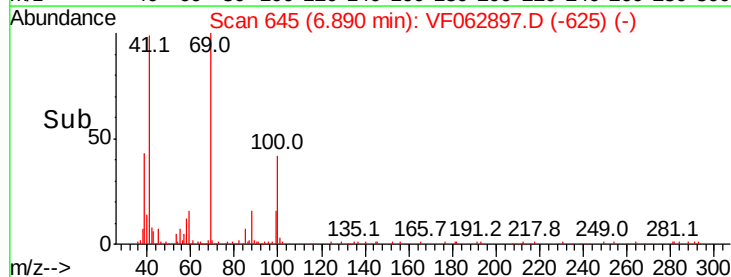
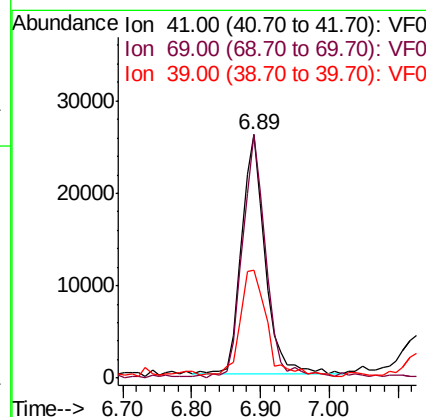
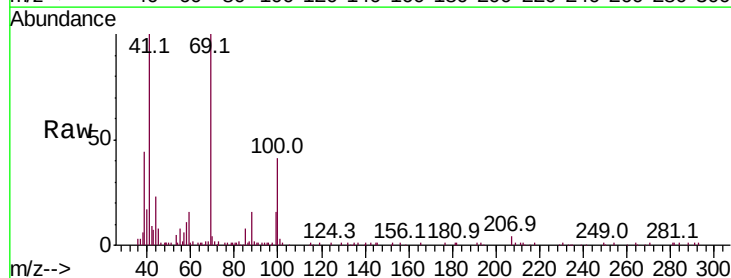
RT: 6.89 min Scan# 645

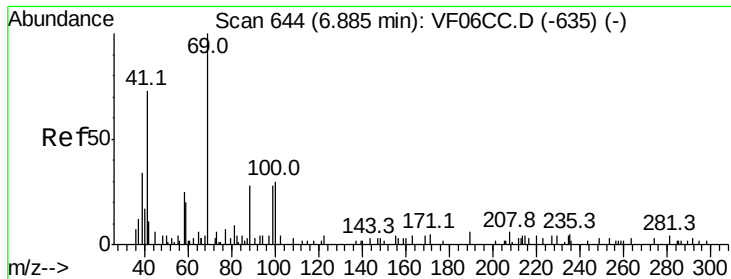
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	41	Resp:	61711
Ion	Ratio	Lower	Upper
41	100		
69	99.9	79.4	119.2
39	44.3	39.8	59.6





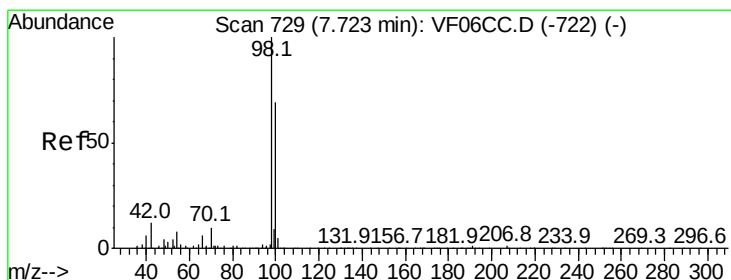
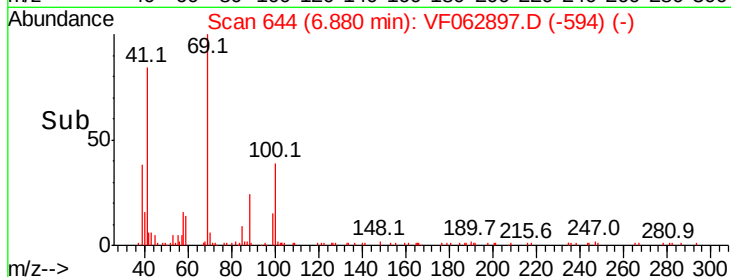
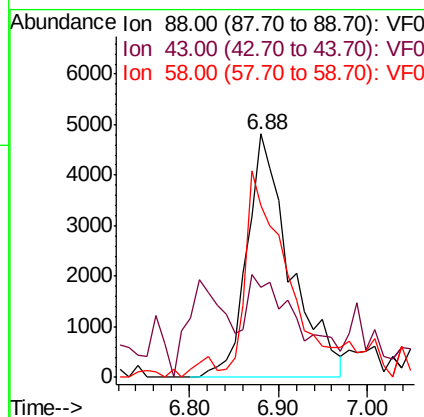
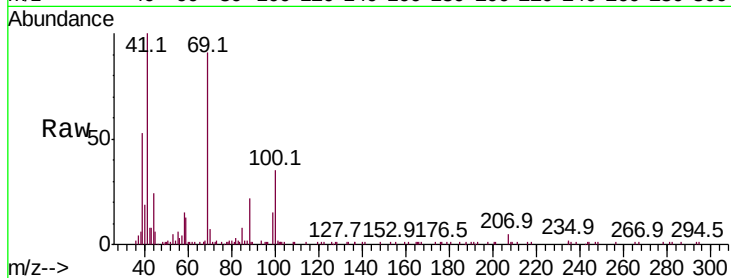
#49
1,4-Dioxane
Concen: 392.009 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	34.8	52.2
58	70.4	59.9	89.9

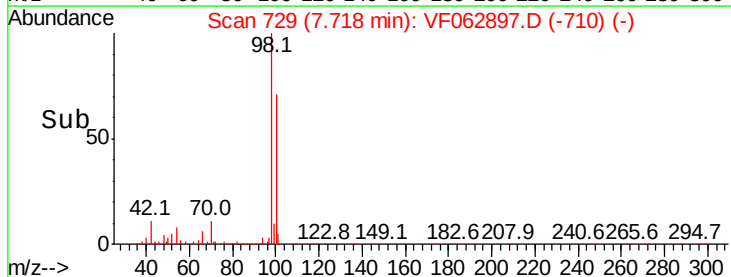
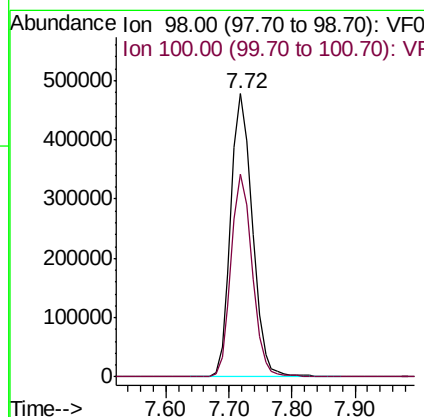
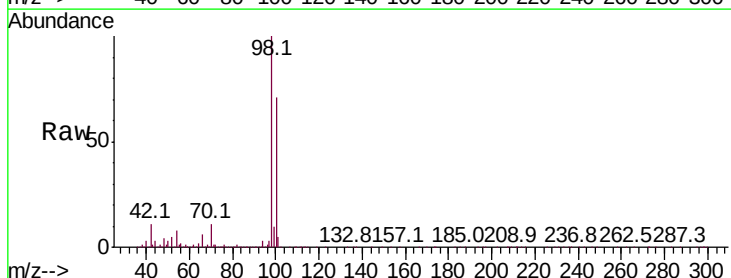
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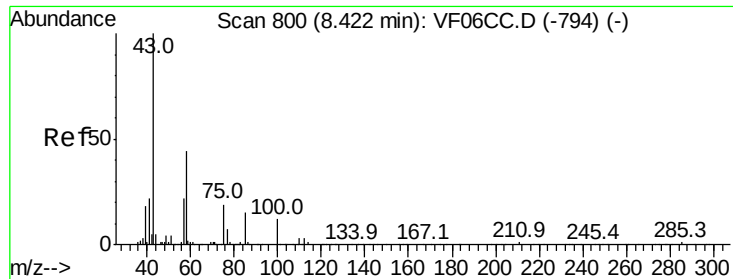
MMDadoda
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#50
Toluene-d8
Concen: 45.595 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.5	59.8	89.8





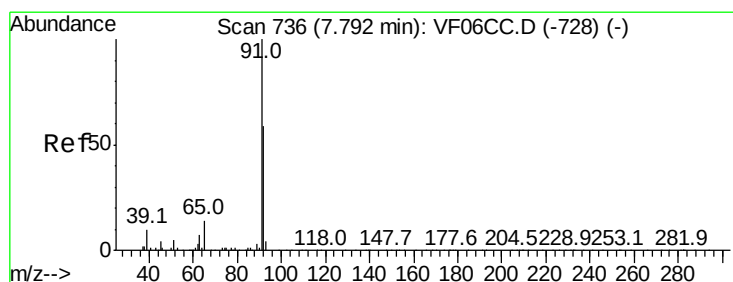
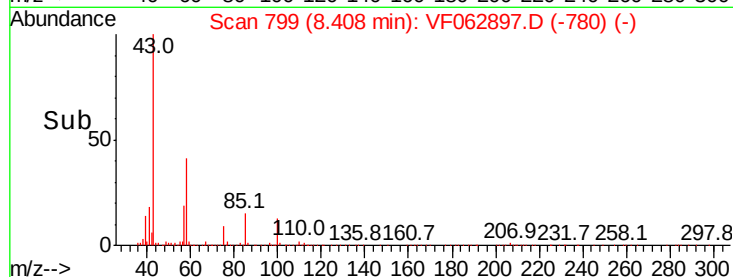
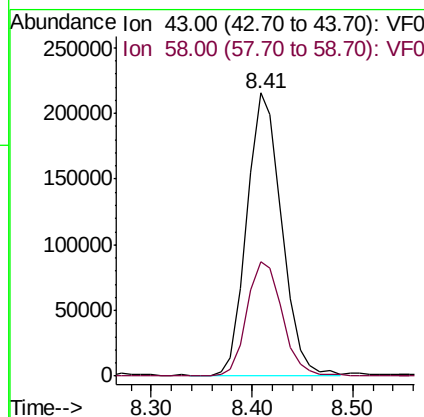
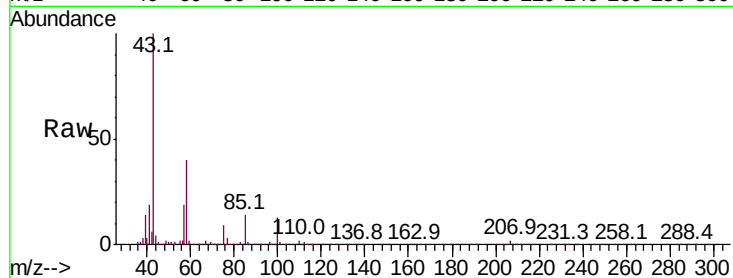
#51
4-Methyl-2-Pentanone
Concen: 118.926 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	35.5	53.3

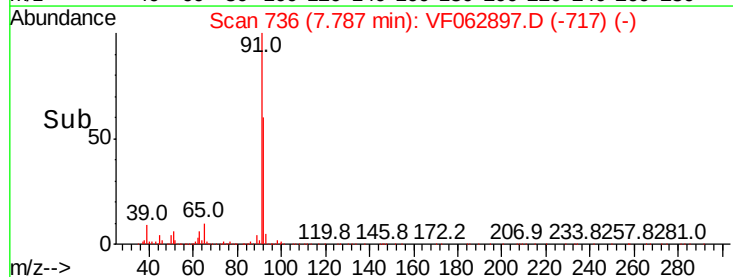
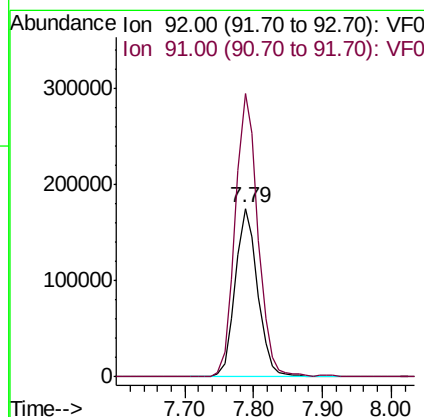
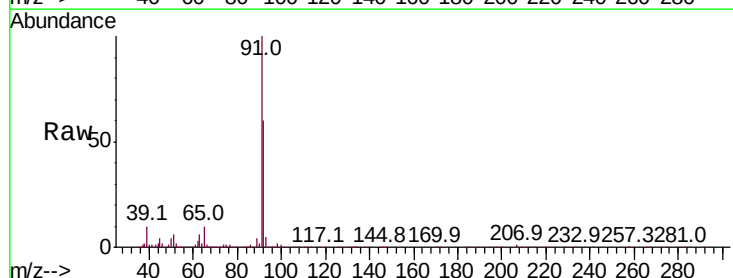
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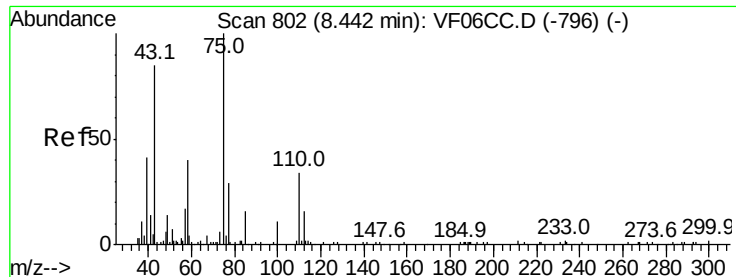
MMDadoda
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#52
Toluene
Concen: 21.130 ug/l
RT: 7.79 min Scan# 736
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.9	123.2	184.8





#53

t-1,3-Dichloropropene

Concen: 22.275 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion: 75 Resp: 192735

Ion Ratio Lower Upper

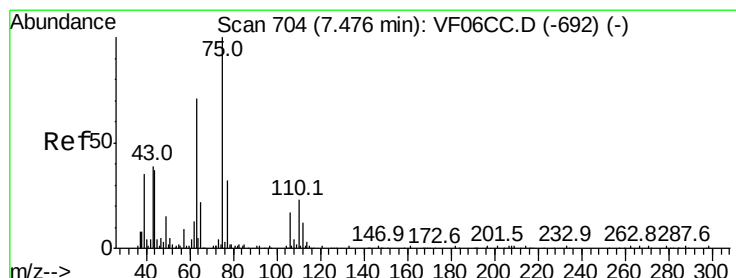
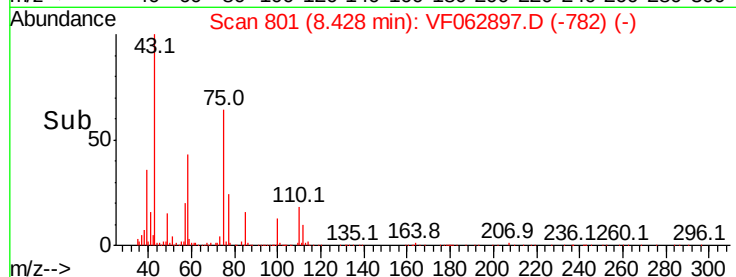
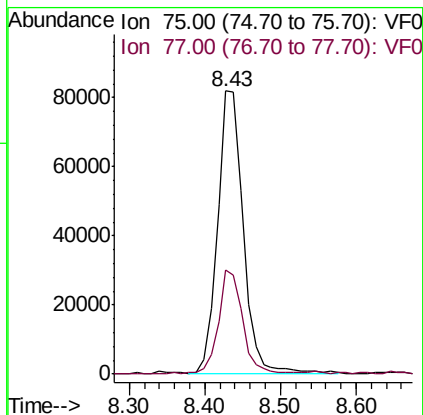
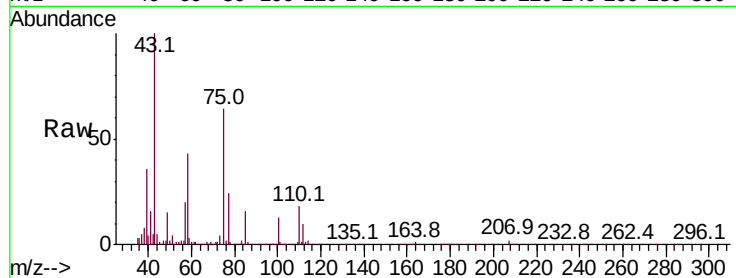
75 100

77 36.9 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 21.533 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

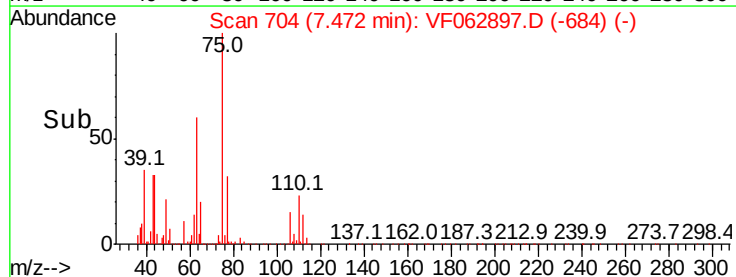
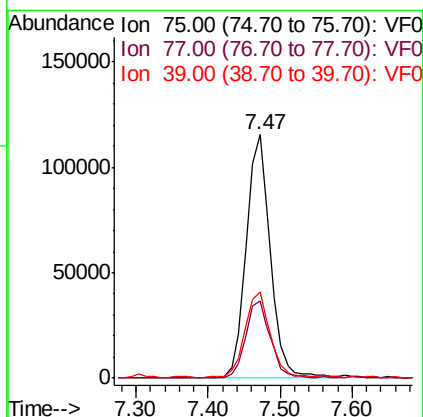
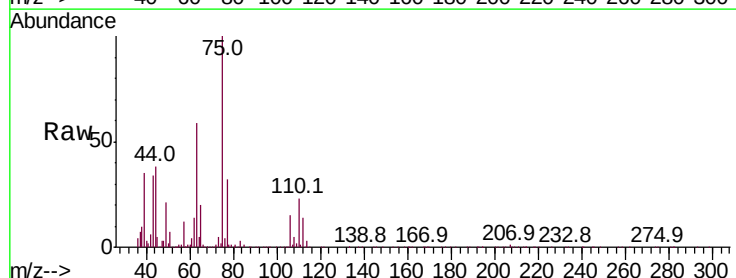
Tgt Ion: 75 Resp: 269691

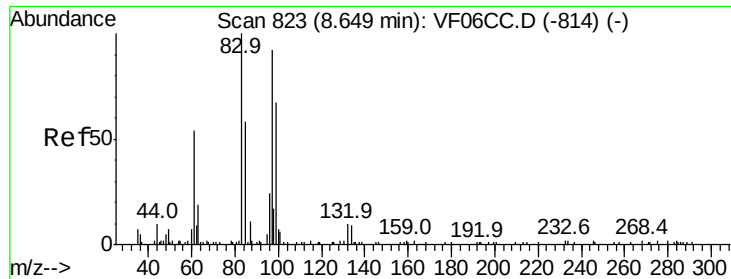
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 35.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 21.938 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

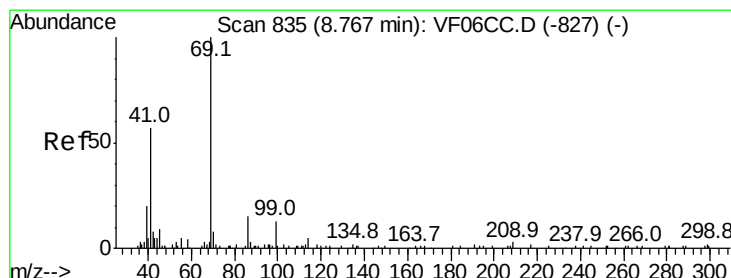
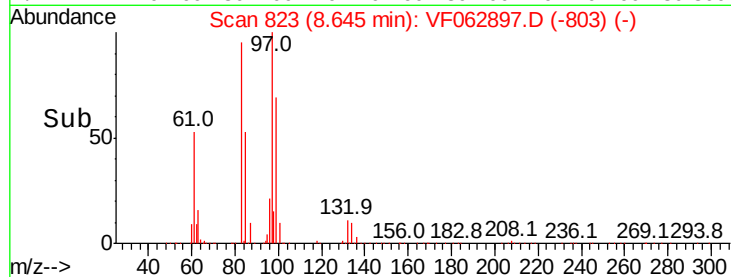
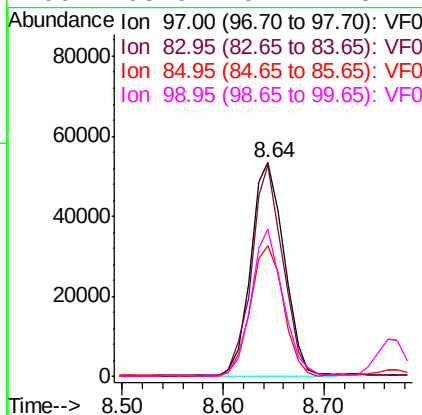
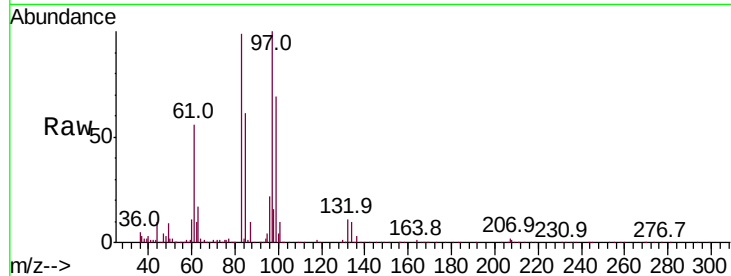
ClientSampleId :

VF0607SBS01

Tot Ion:	97	Resp:	123532
Ion	Ratio	Lower	Upper
97	100		
83	98.7	72.0	108.0
85	61.2	47.5	71.3
99	68.9	54.1	81.1

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#56

Ethyl methacrylate

Concen: 21.928 ug/l

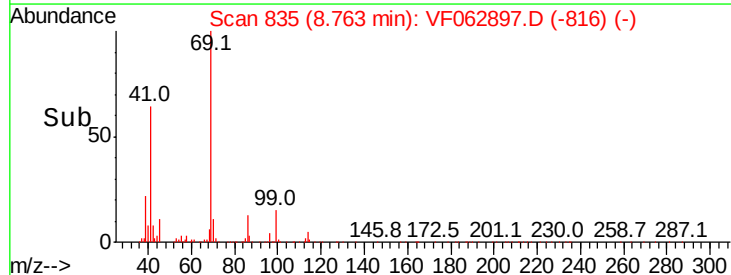
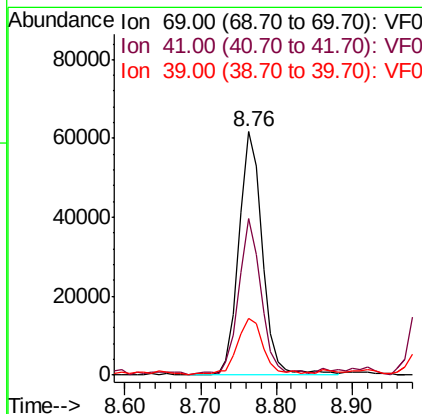
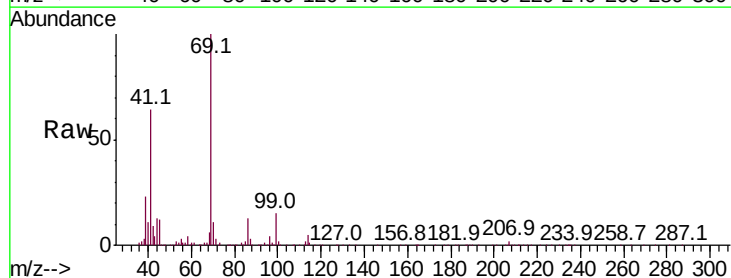
RT: 8.76 min Scan# 835

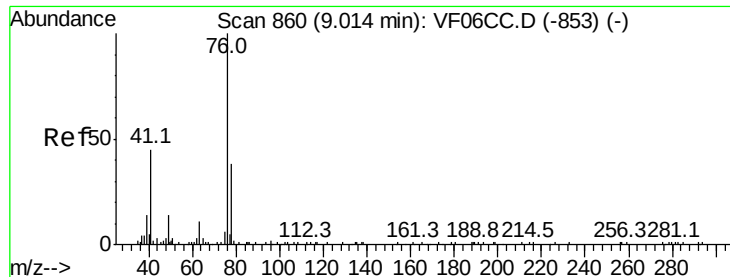
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	69	Resp:	132484
Ion	Ratio	Lower	Upper
69	100		
41	64.2	46.6	69.8
39	23.1	19.6	29.4





#57

1,3-Dichloropropane

Concen: 22.807 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

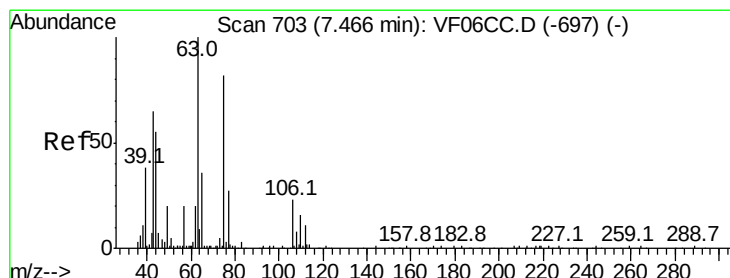
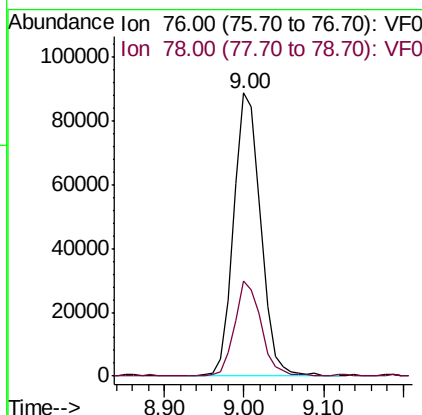
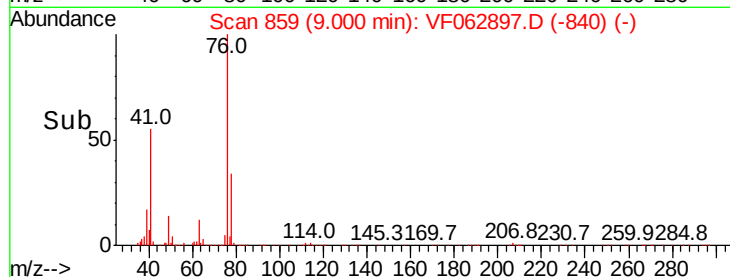
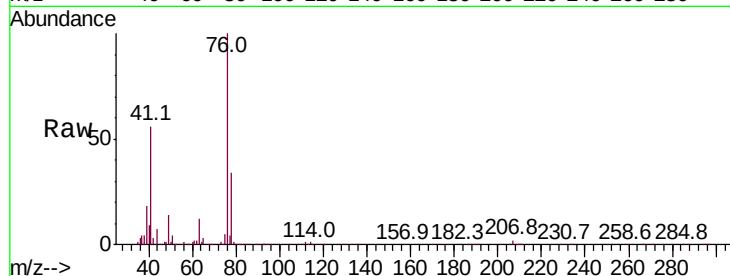
Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion: 76 Resp: 209715

Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 111.822 ug/l

RT: 7.46 min Scan# 703

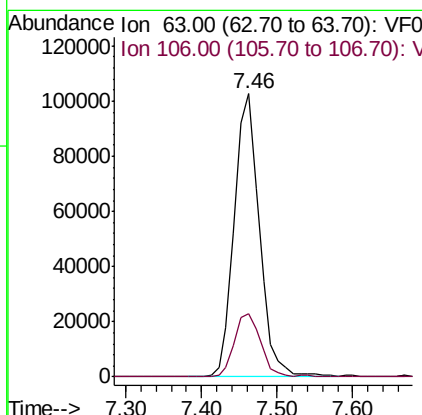
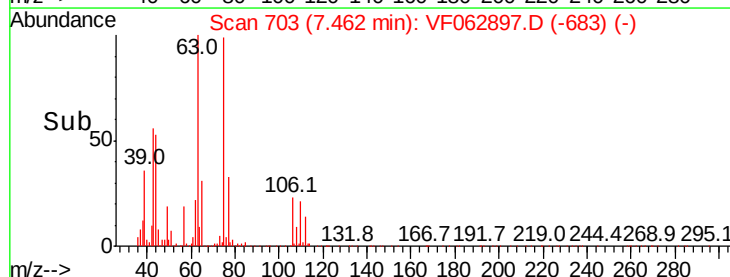
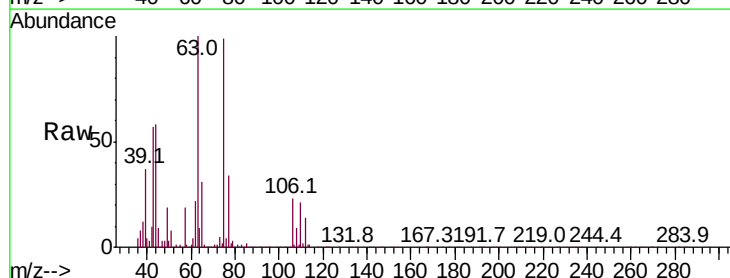
Delta R.T. -0.01 min

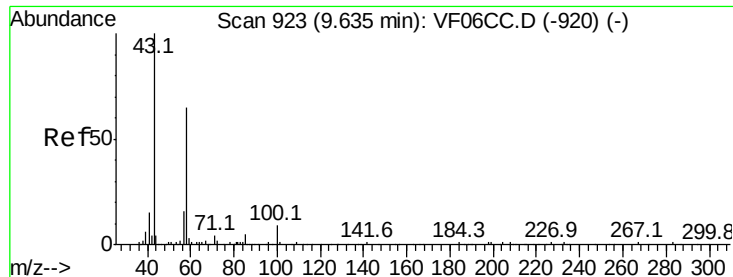
Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion: 63 Resp: 236116

Ion	Ratio	Lower	Upper
63	100		
106	22.5	19.5	29.3





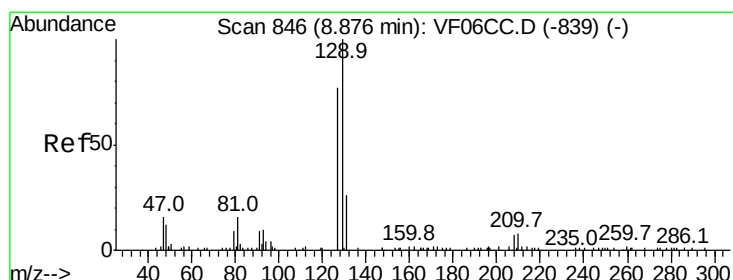
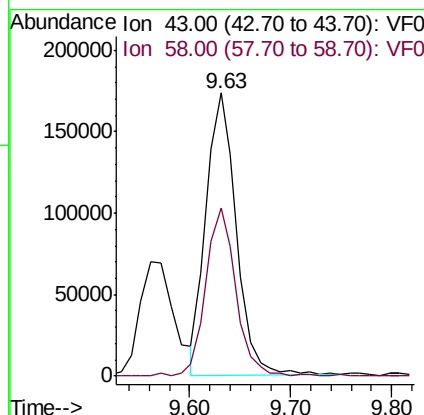
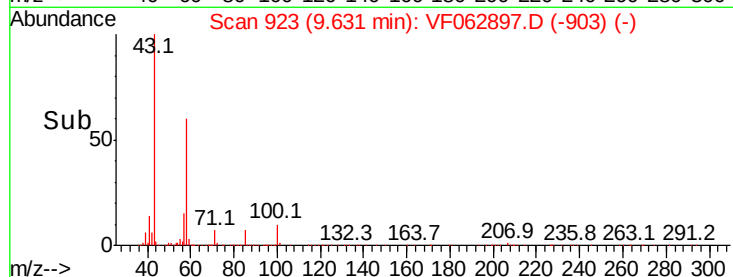
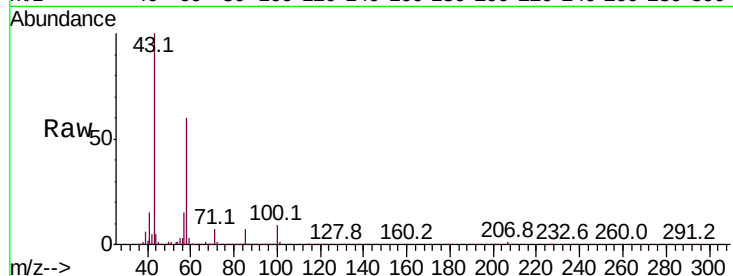
#59
2-Hexanone
Concen: 116.176 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.6	29.3	87.9

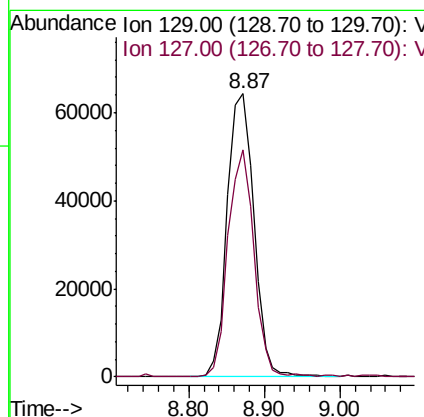
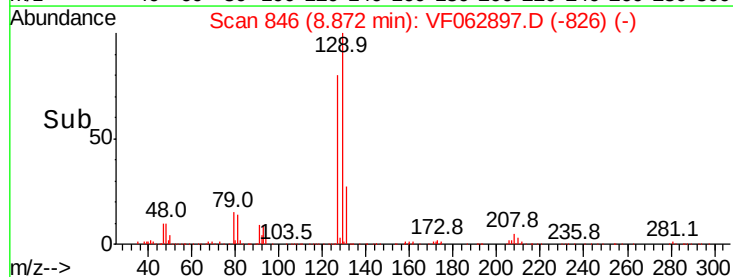
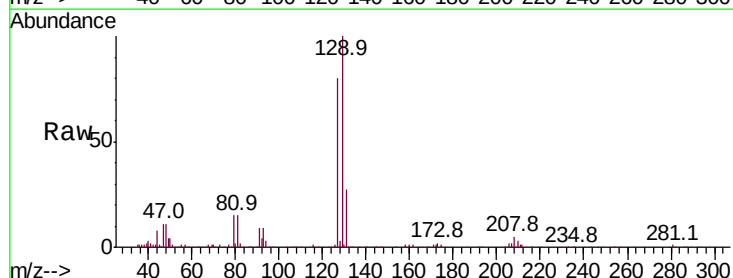
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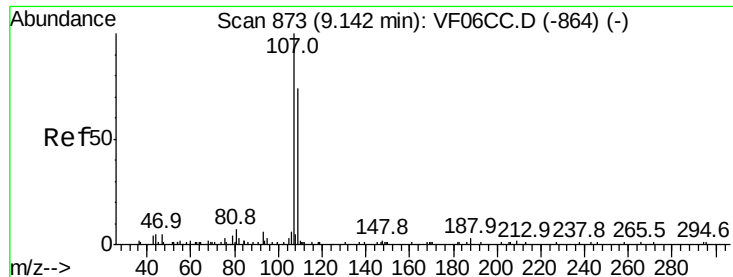
MMDadoda
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#60
Dibromochloromethane
Concen: 22.704 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.7	37.1	111.3





#61

1,2-Dibromoethane

Concen: 22.732 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBS01

Tot Ion:107 Resp: 132937

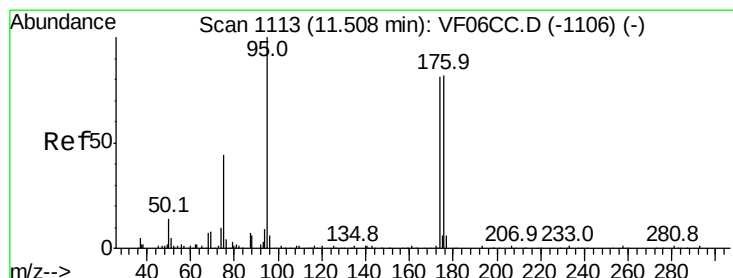
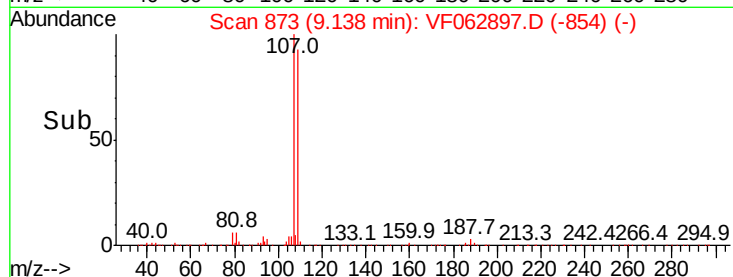
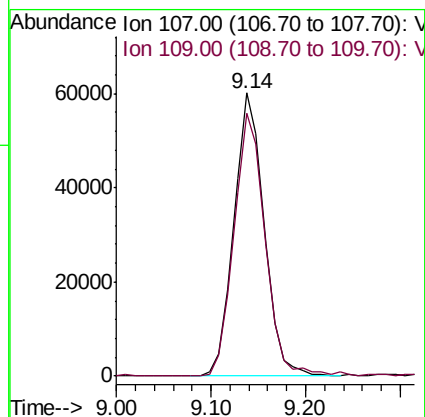
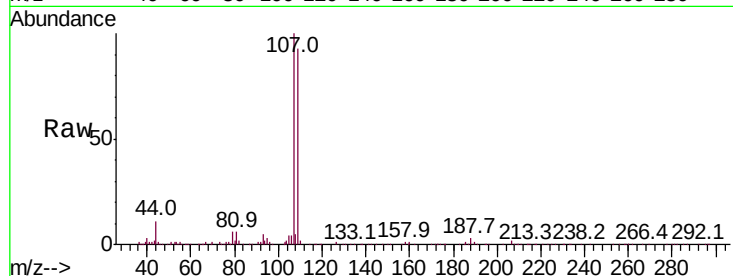
Ion Ratio Lower Upper

107 100

109 92.8 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 42.789 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

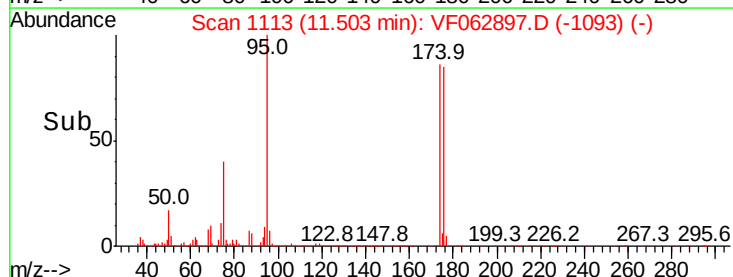
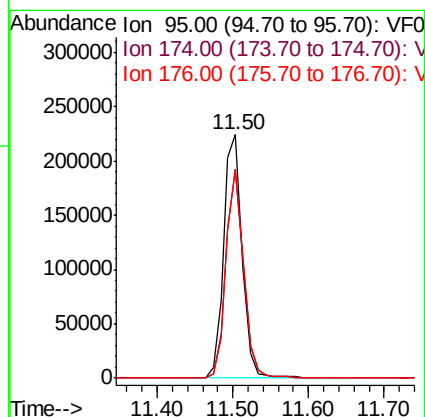
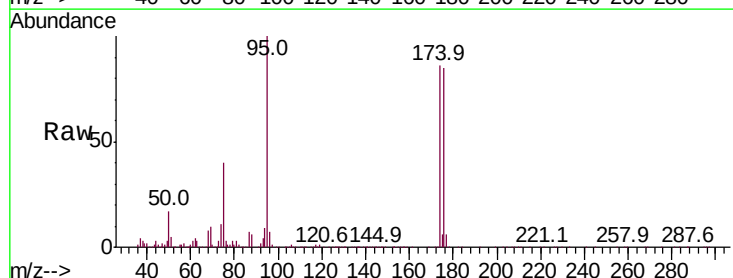
Tgt Ion: 95 Resp: 384151

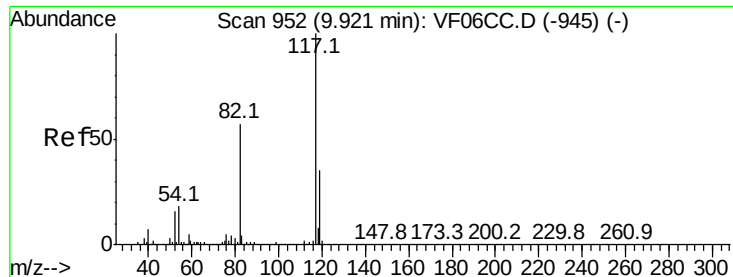
Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.6

176 85.4 0.0 170.6





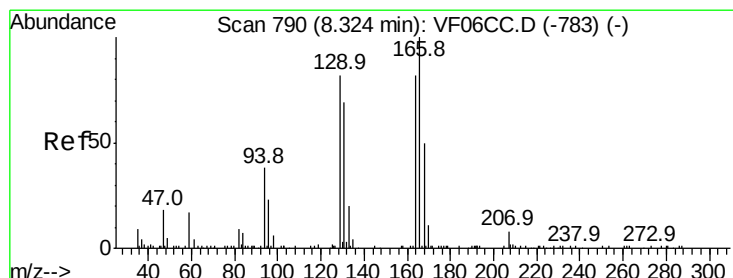
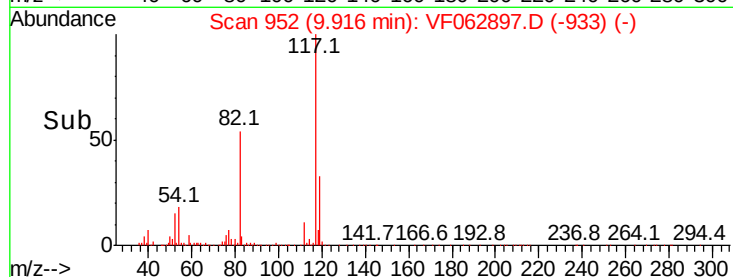
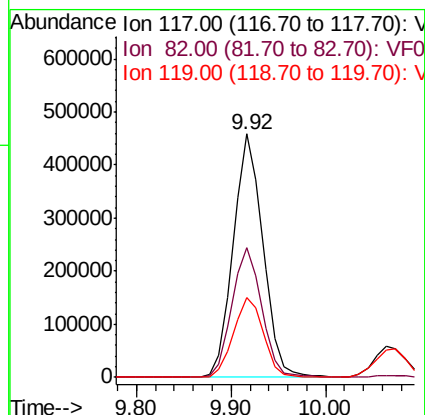
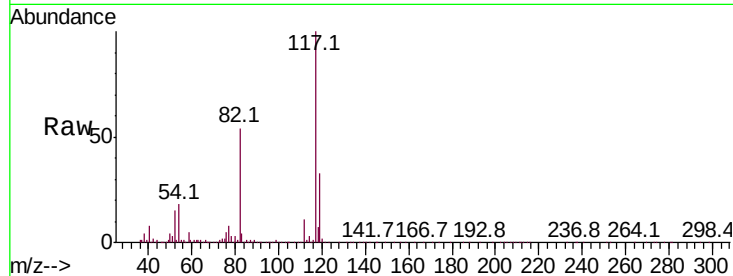
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	998532		
82	53.5	42.4	63.6	
119	33.0	27.1	40.7	

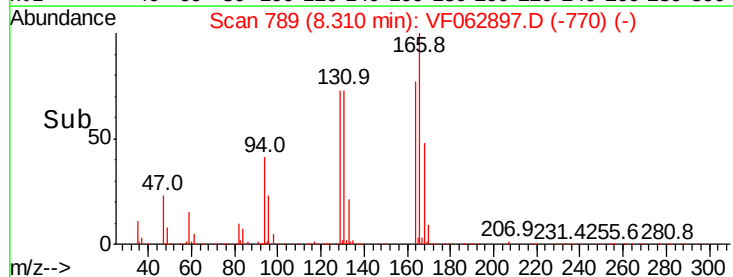
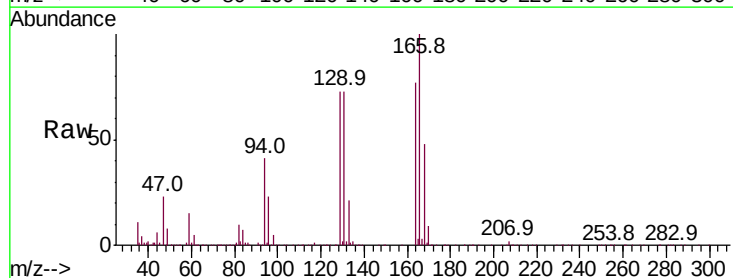
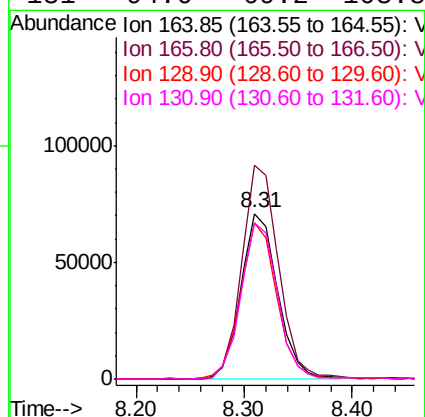
Manual Integrations
APPROVED

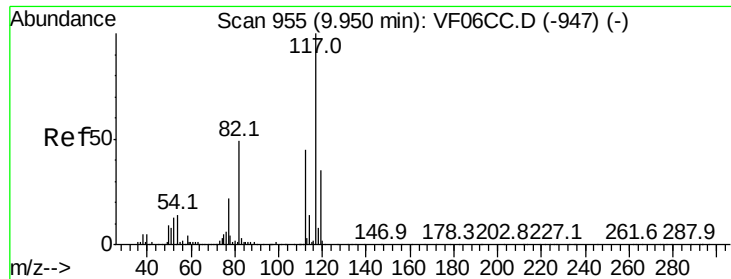
MMDadoda
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#64
Tetrachloroethene
Concen: 21.760 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166968		
166	129.1	99.1	148.7	
129	94.0	69.5	104.3	
131	94.6	69.2	103.8	





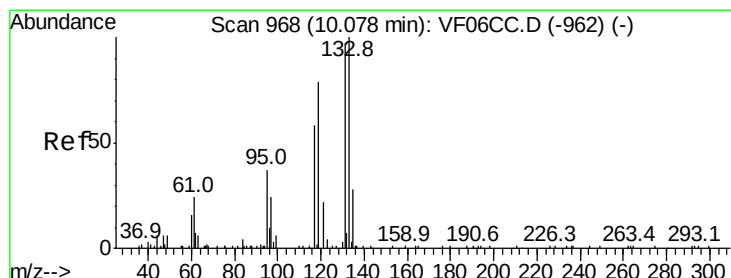
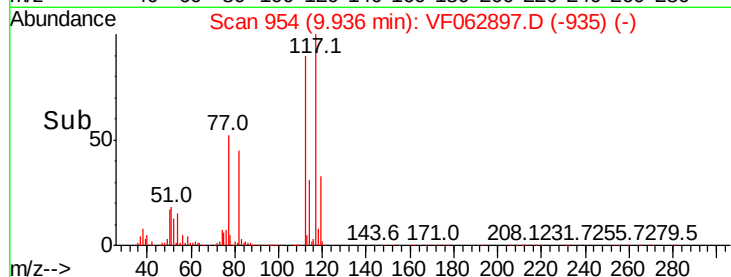
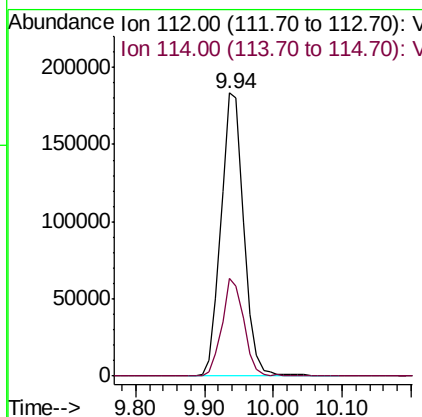
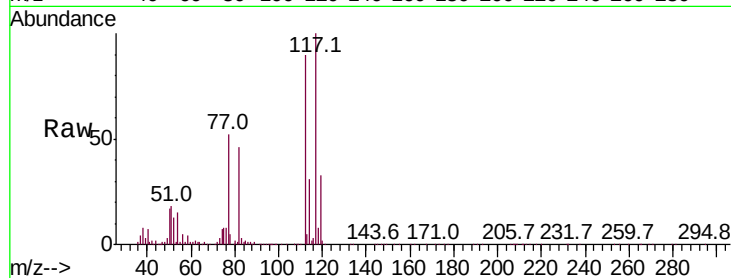
#65
Chlorobenzene
Concen: 21.844 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	27.4	41.0

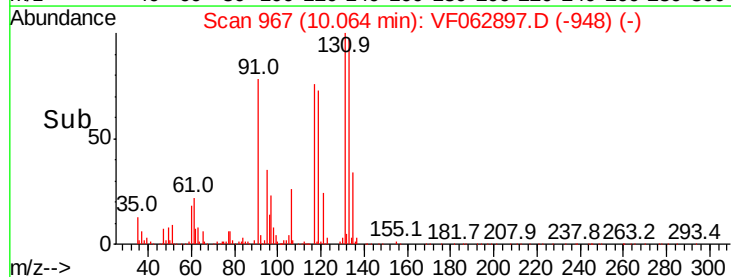
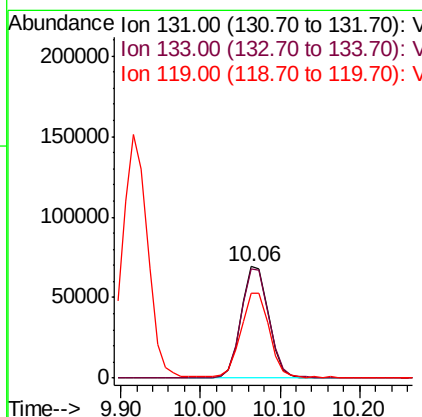
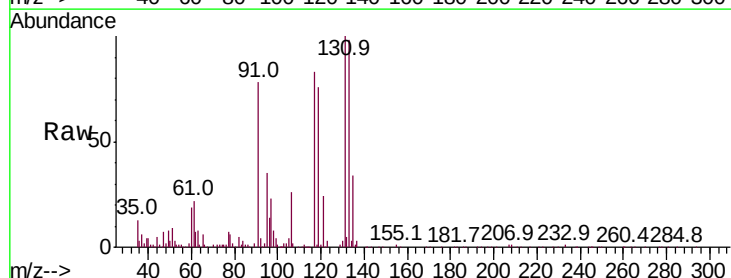
Manual Integrations
APPROVED

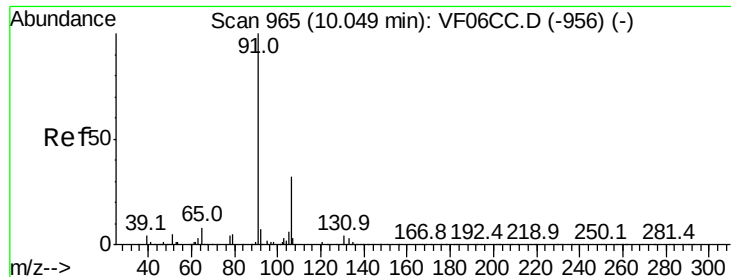
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.394 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	48.9	146.7
119	75.7	38.0	114.0





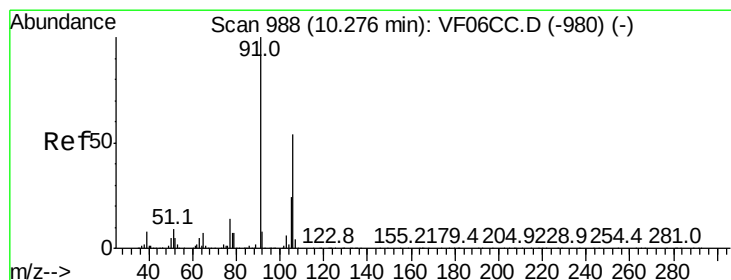
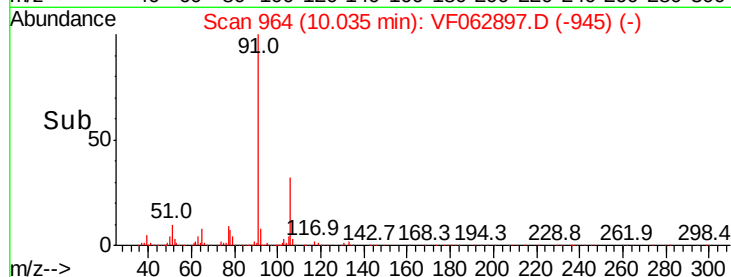
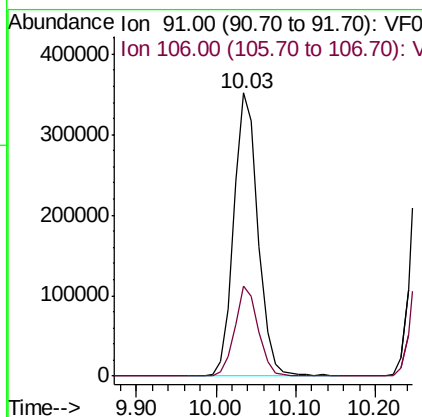
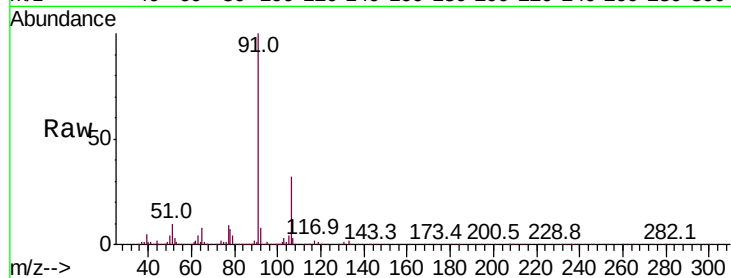
#67
Ethyl Benzene
Concen: 22.494 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBS01

Tot Ion: 91 Resp: 744352
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0

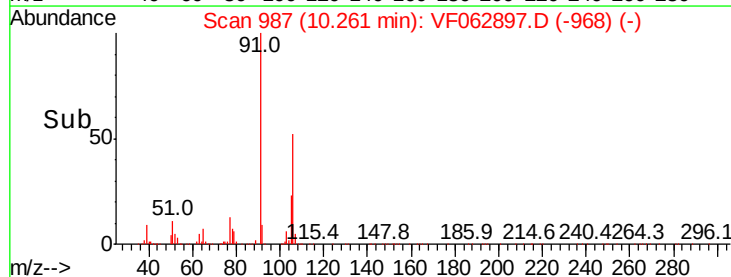
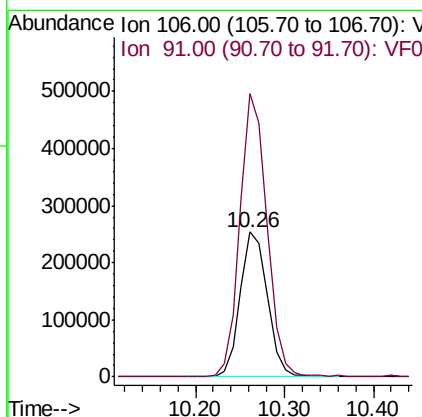
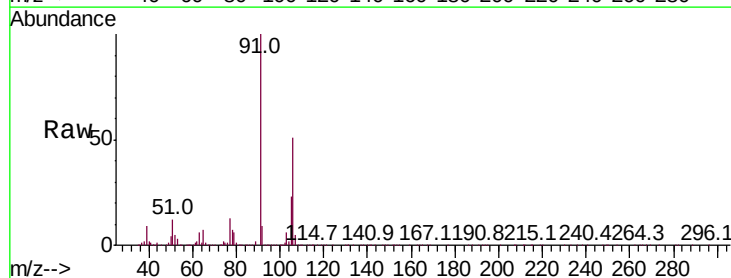
Manual Integrations
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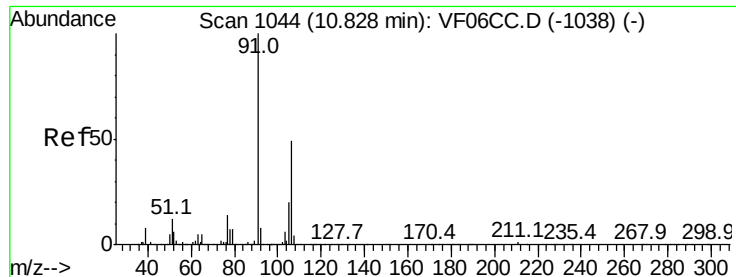
MMDadoda
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#68
m/p-Xylenes
Concen: 42.562 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion: 106 Resp: 538945
Ion Ratio Lower Upper
106 100
91 195.8 136.2 204.4





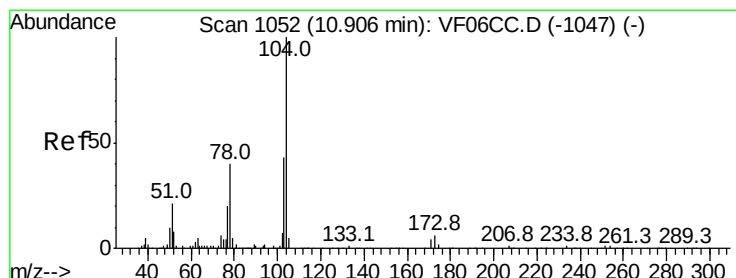
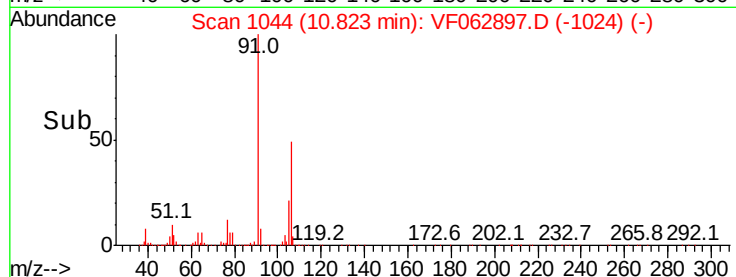
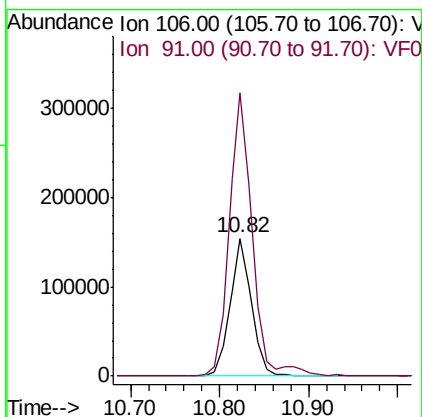
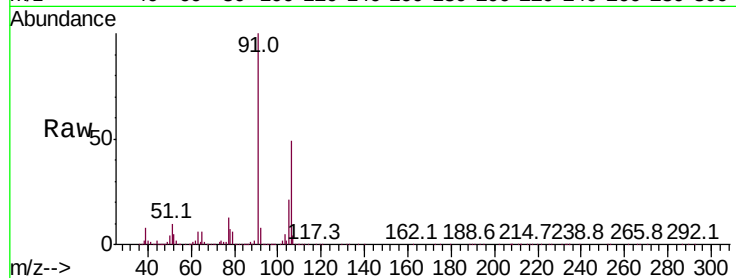
#69
o-Xylene
Concen: 20.370 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	261156		
91	205.6	96.6	289.8	

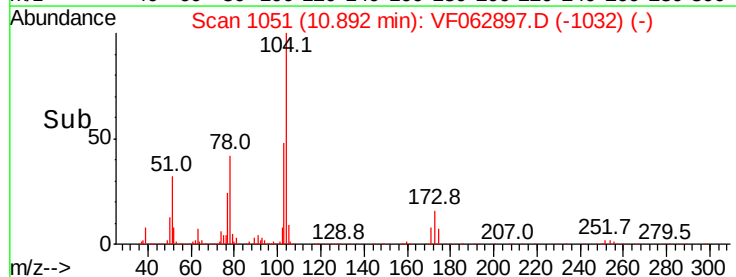
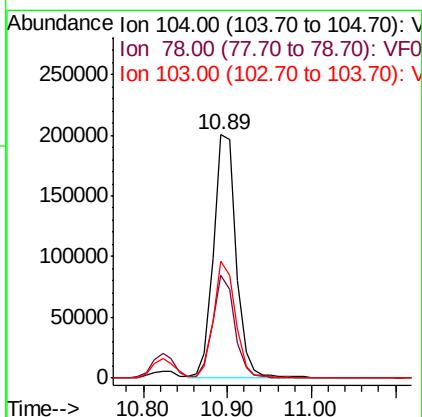
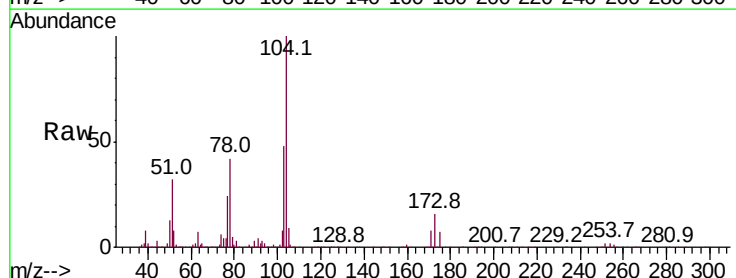
Manual Integrations
APPROVED

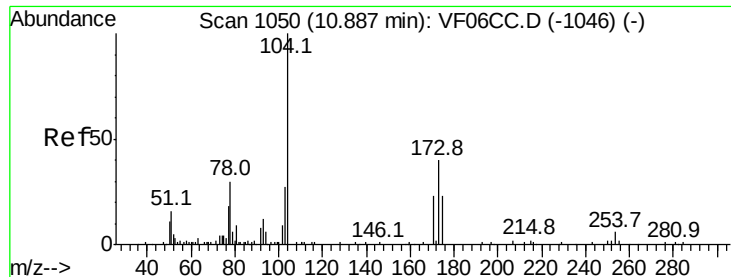
MMDadoda
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#70
Styrene
Concen: 19.857 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	375226		
78	42.4	30.8	46.2	
103	48.3	35.8	53.6	





#71

Bromoform

Concen: 19.993 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

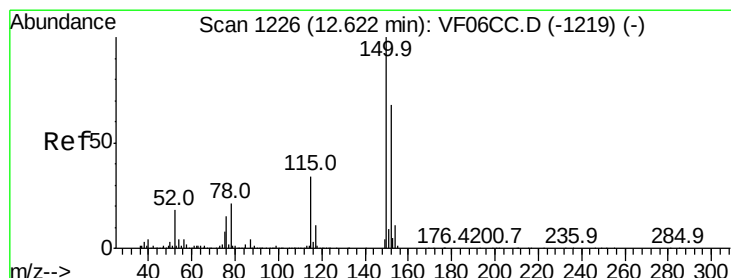
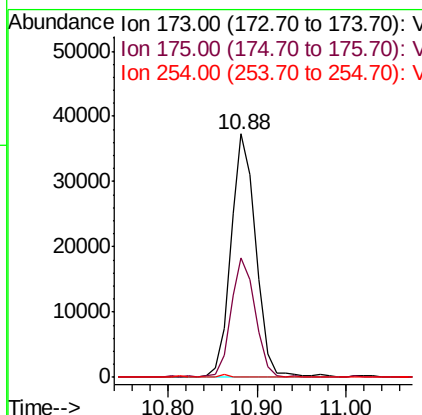
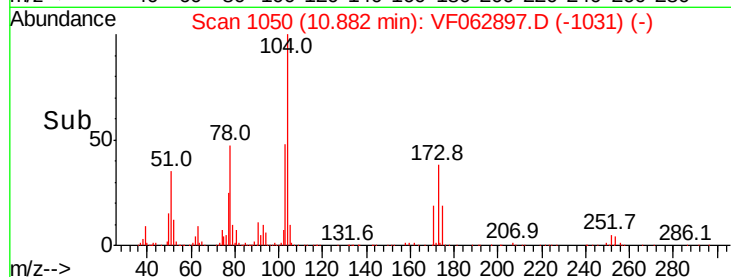
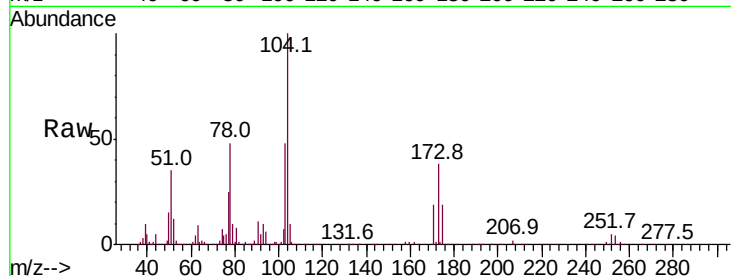
ClientSampleId :

VF0607SBSD01

Tot Ion:	173	Resp:	73655
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.6	74.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

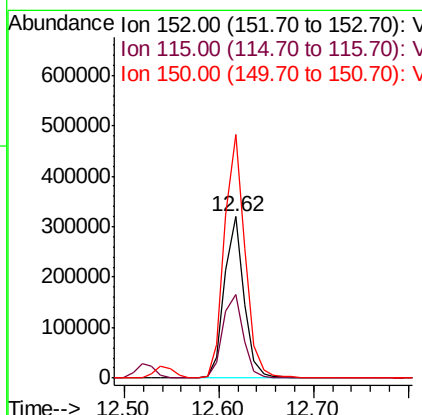
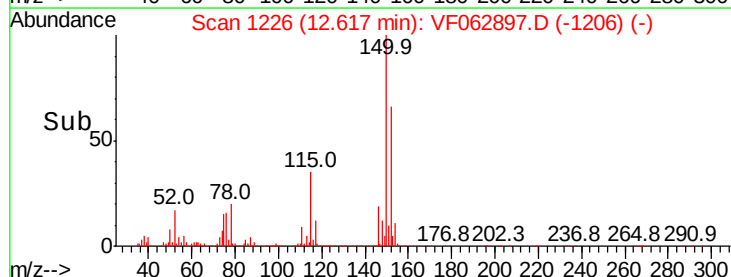
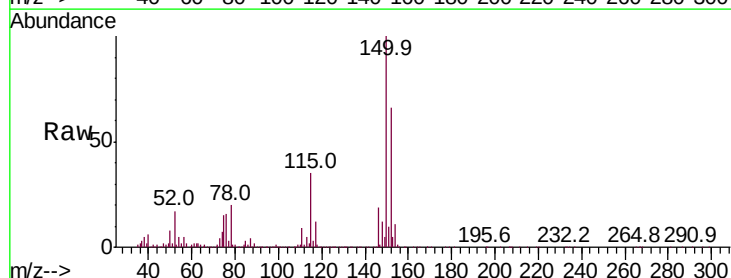
RT: 12.62 min Scan# 1226

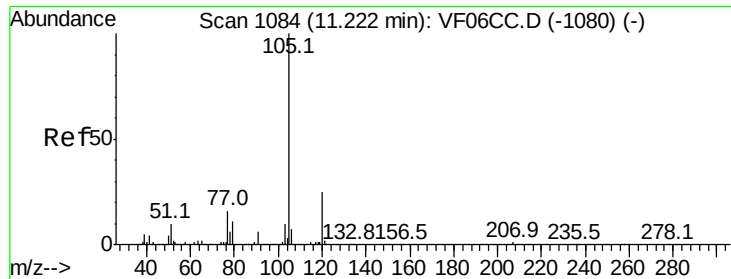
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	152	Resp:	457733
Ion Ratio	Lower	Upper	
152	100		
115	52.1	24.6	74.0
150	150.7	0.0	290.6





#73

Isopropylbenzene

Concen: 22.893 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0607SBSD01

Tot Ion:105 Resp: 731170

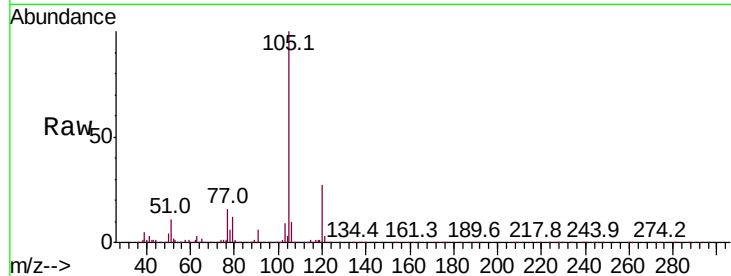
Ion Ratio Lower Upper

105 100

120 27.4 15.1 45.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

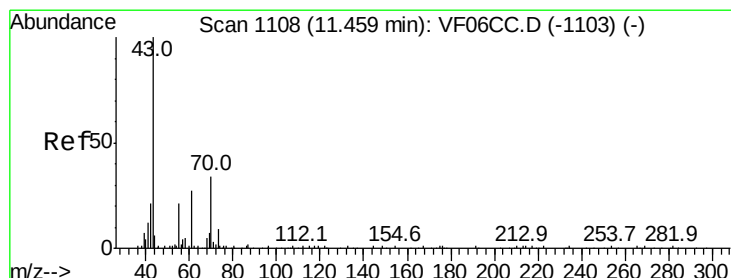
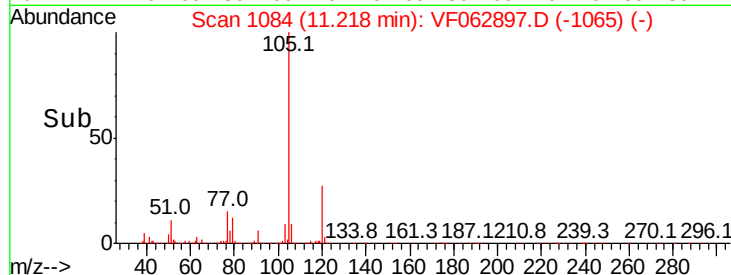
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 23.639 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion: 43 Resp: 212792

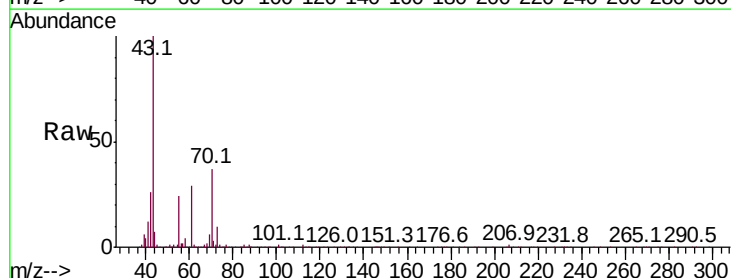
Ion Ratio Lower Upper

43 100

70 37.3 32.9 49.3

55 23.8 17.3 25.9

61 28.7 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.45

200000

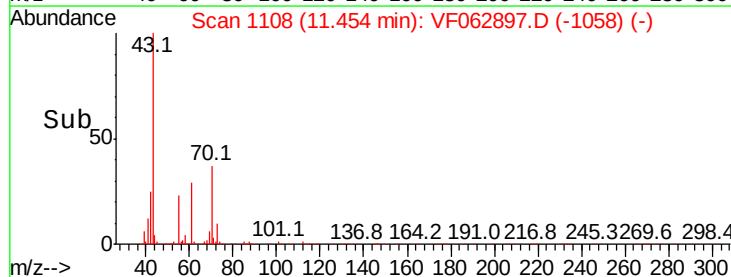
150000

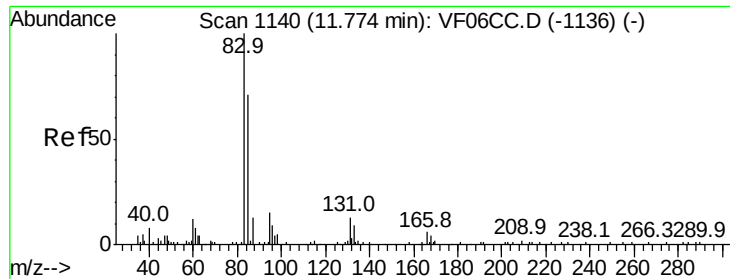
100000

50000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 22.384 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

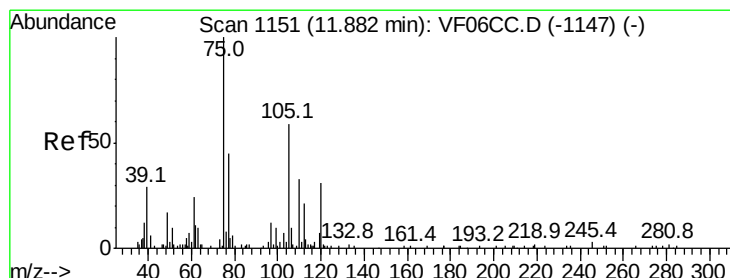
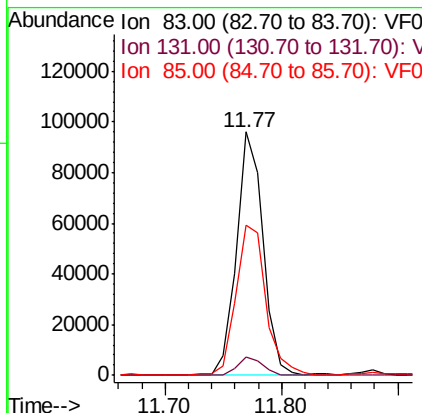
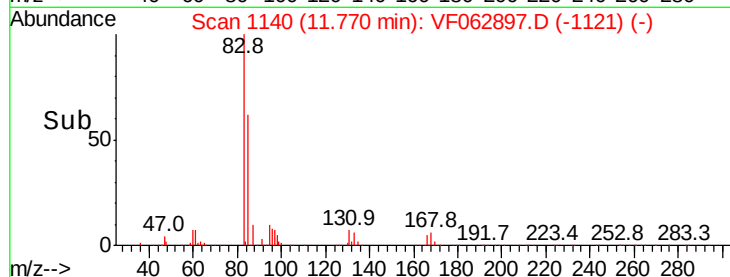
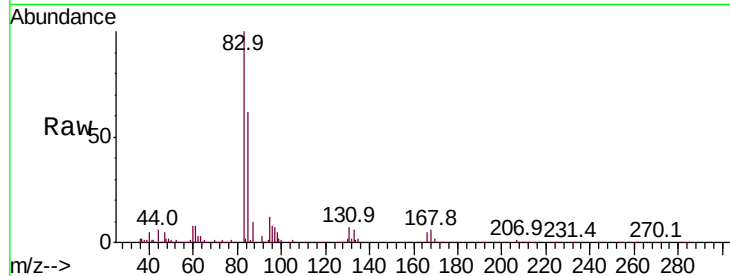
ClientSampleId :

VF0607SBSD01

Tot Ion:	83	Resp:	152674
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.9	14.7
85	61.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.029 ug/l

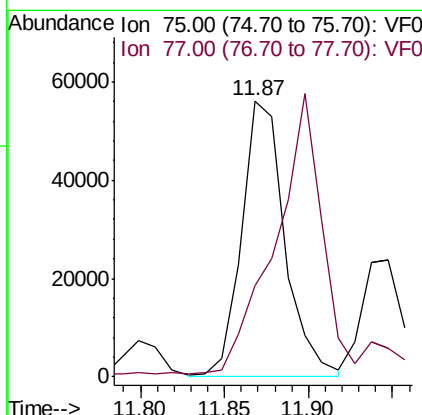
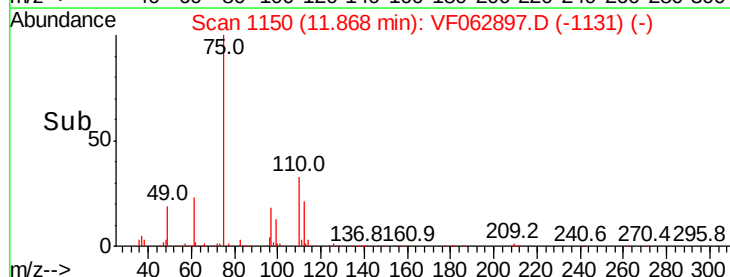
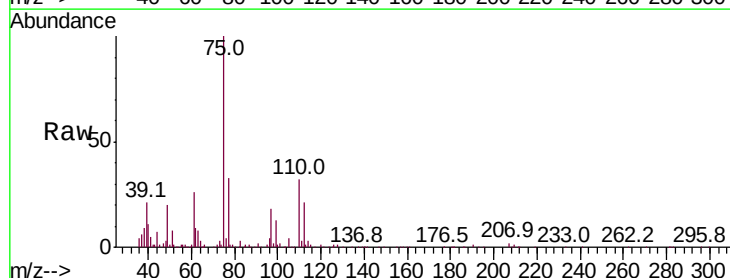
RT: 11.87 min Scan# 1150

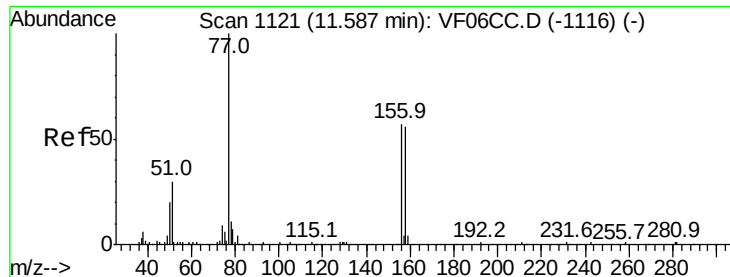
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	75	Resp:	99593
Ion Ratio	Lower	Upper	
75	100		
77	33.2	20.1	60.2





#77

Bromobenzene

Concen: 20.570 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

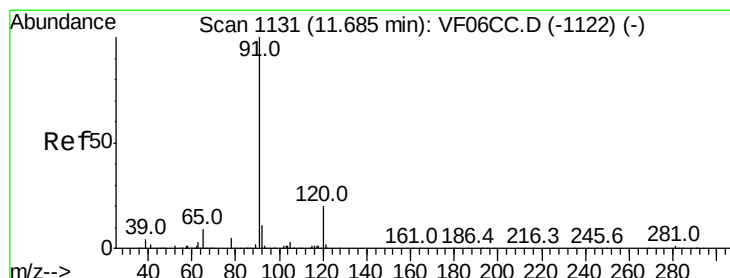
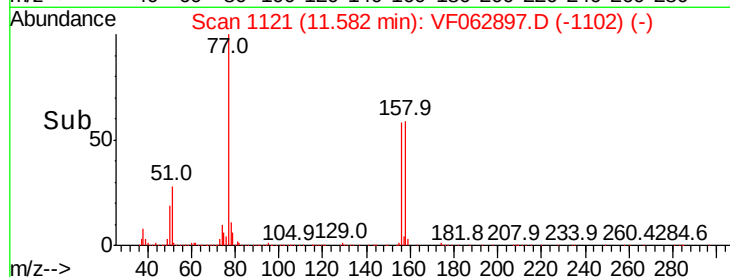
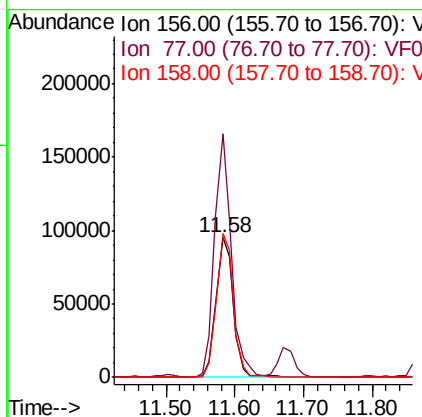
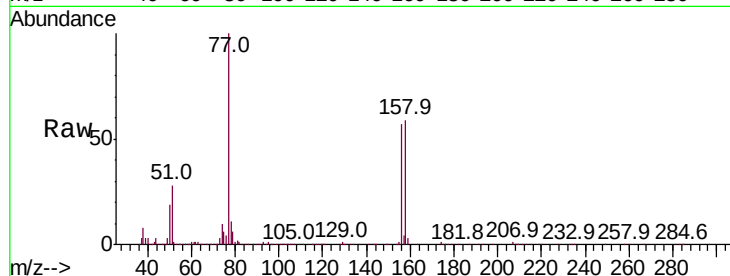
ClientSampleId :

VF0607SBSD01

Tot Ion:	156	Resp:	165075
Ion Ratio	Lower	Upper	
156	100		
77	174.0	64.2	192.6
158	102.5	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 22.640 ug/l

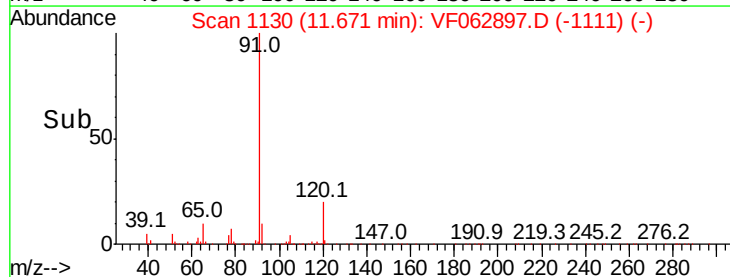
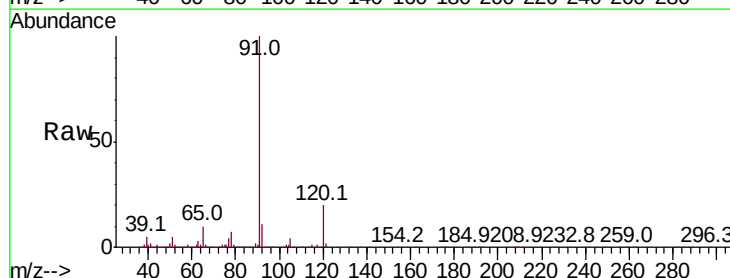
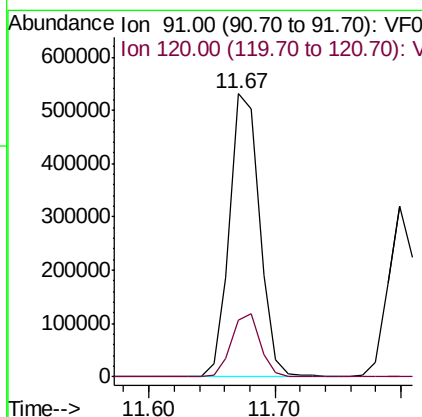
RT: 11.67 min Scan# 1130

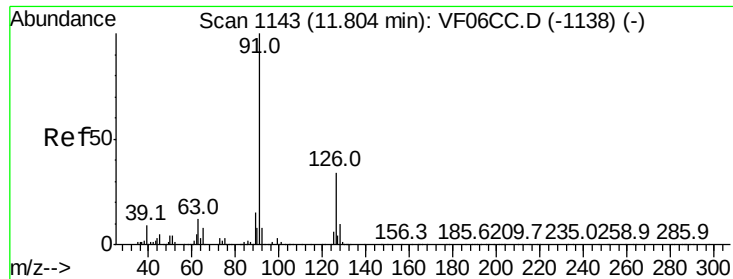
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	91	Resp:	873079
Ion Ratio	Lower	Upper	
91	100		
120	20.3	12.8	38.4





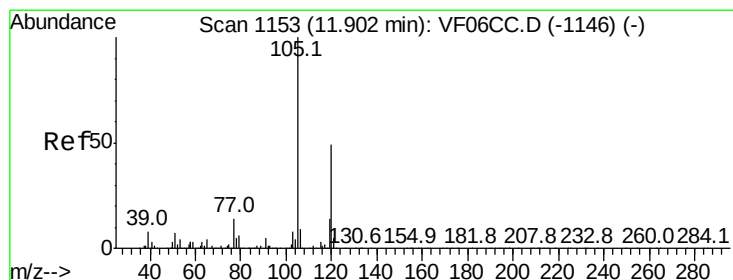
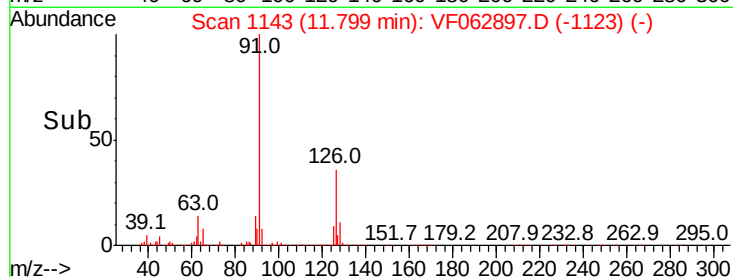
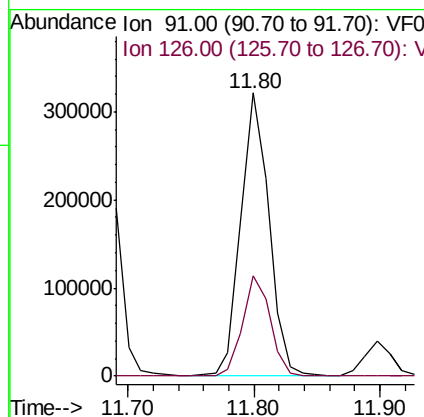
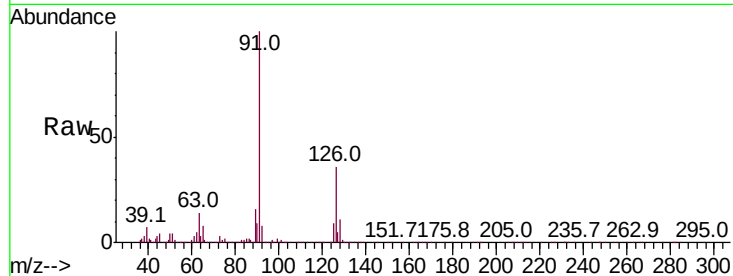
#79
2-Chlorotoluene
Concen: 22.264 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3

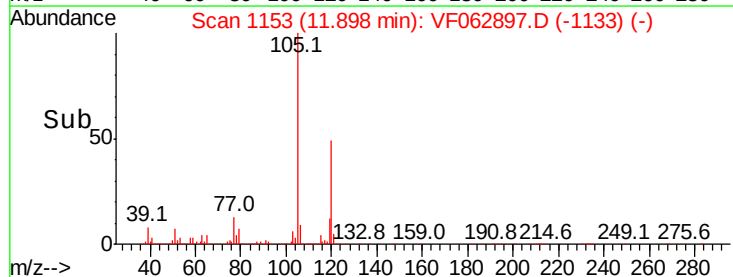
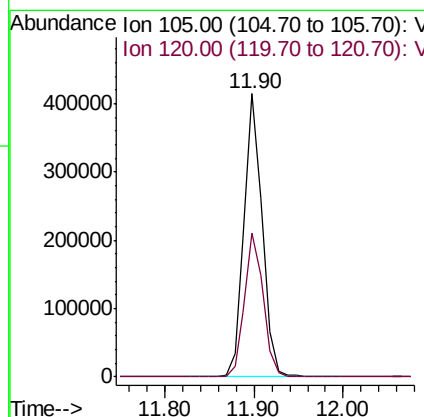
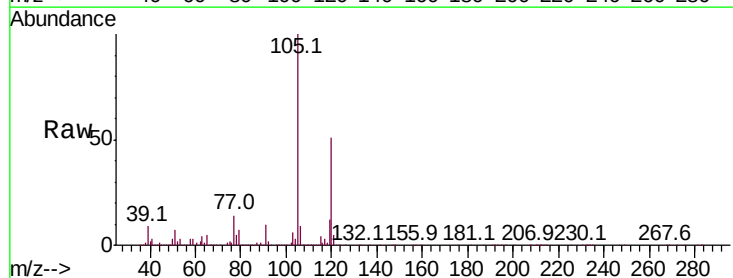
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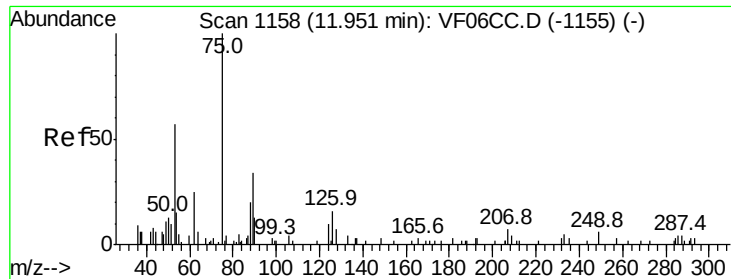
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.607 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	28.7	86.1





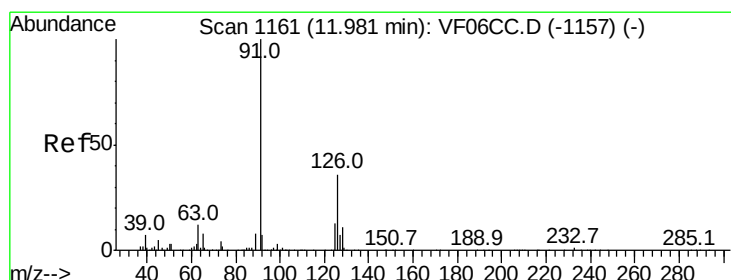
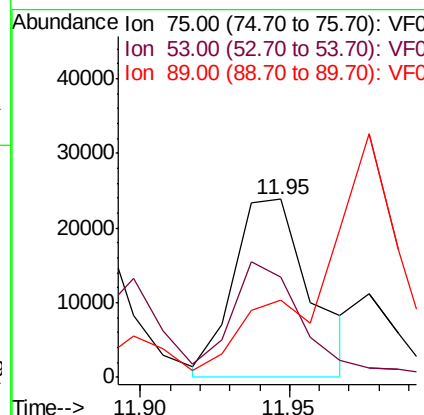
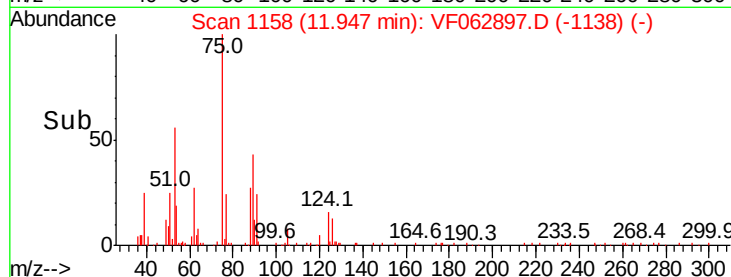
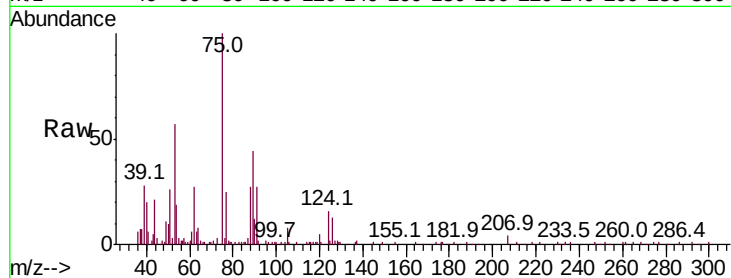
#81
trans-1,4-Dichloro-2-butene
Concen: 22.417 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	56.5	43.5	65.3
89	43.6	34.3	51.5

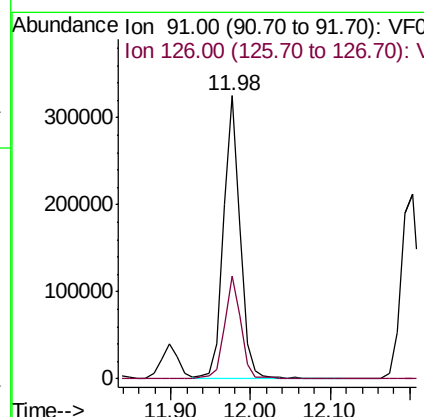
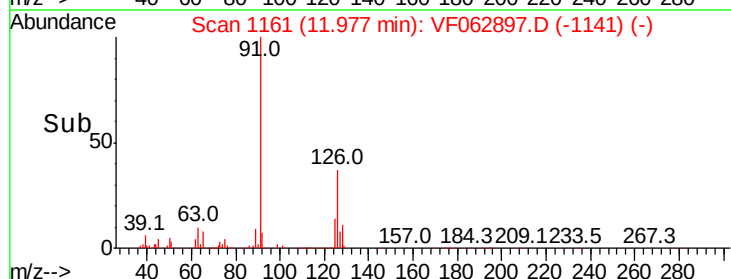
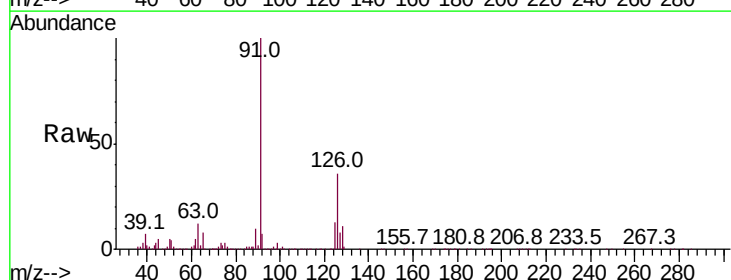
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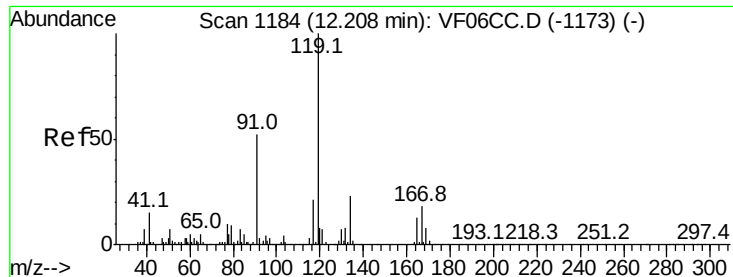
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.150 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF062897.D
Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	19.1	57.1





#83

tert-Butylbenzene

Concen: 23.378 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

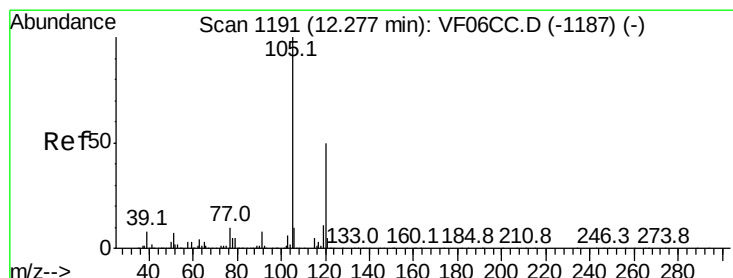
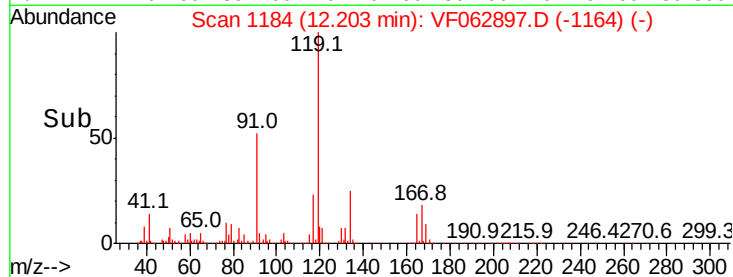
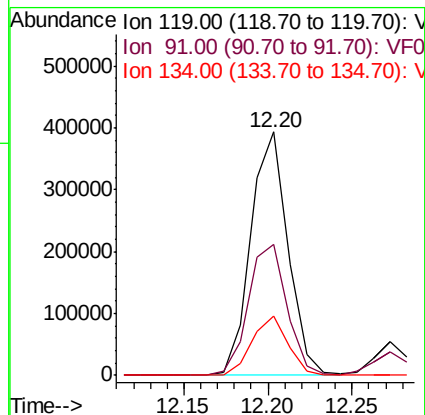
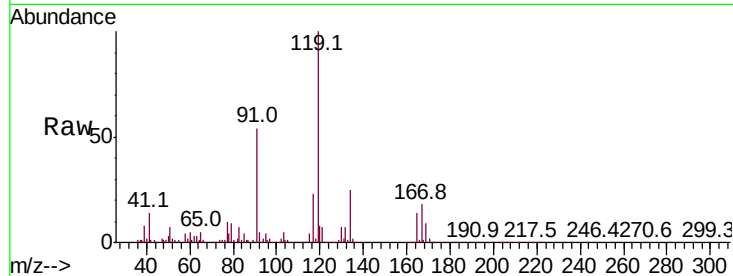
ClientSampleId :

VF0607SBS01

Tot Ion:	119	Resp:	605052
Ion Ratio	Lower	Upper	
119	100		
91	53.8	28.9	86.7
134	24.6	14.3	42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 23.589 ug/l

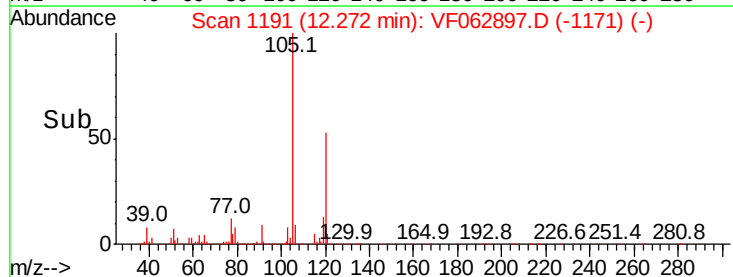
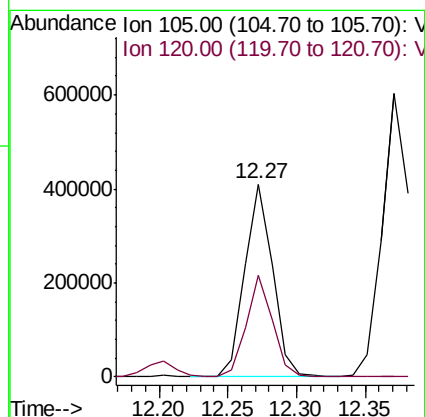
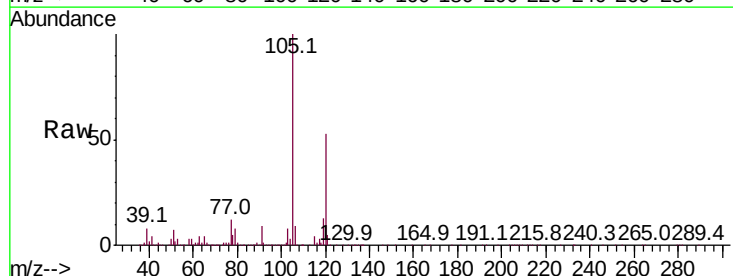
RT: 12.27 min Scan# 1191

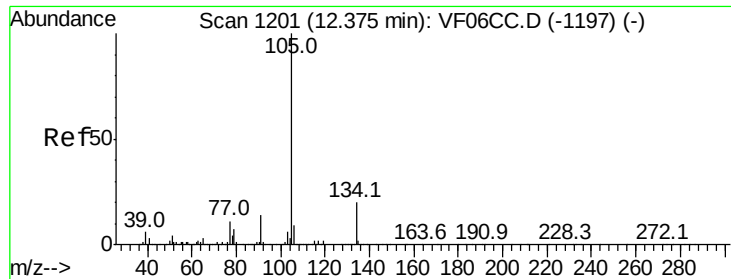
Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	105	Resp:	584161
Ion Ratio	Lower	Upper	
105	100		
120	52.6	27.1	81.3





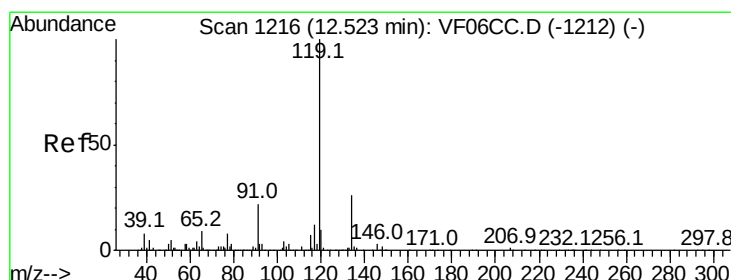
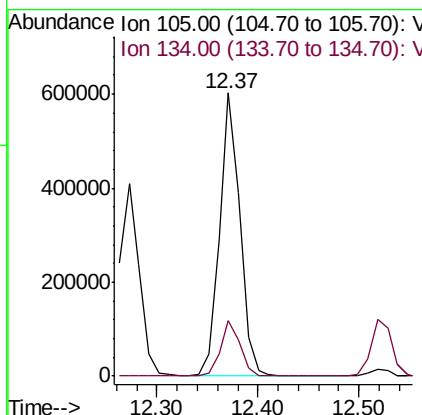
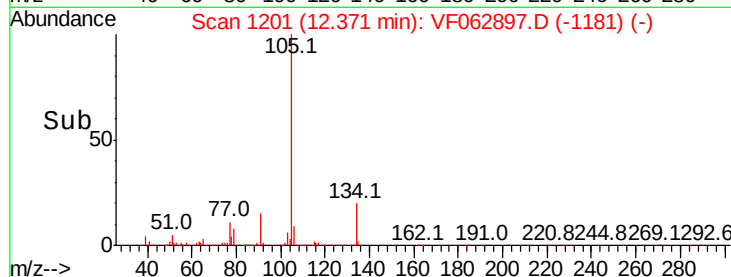
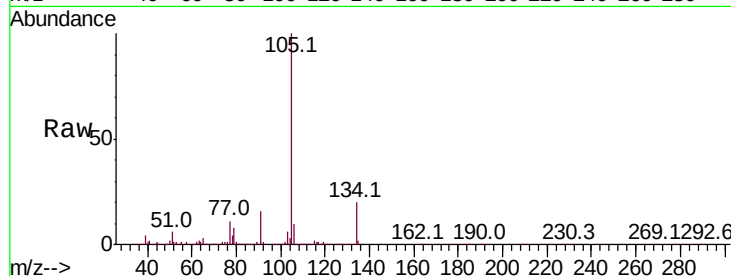
#85
 sec-Butylbenzene
 Concen: 24.850 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.5	31.6

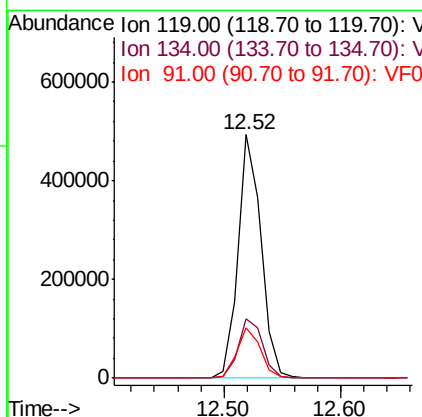
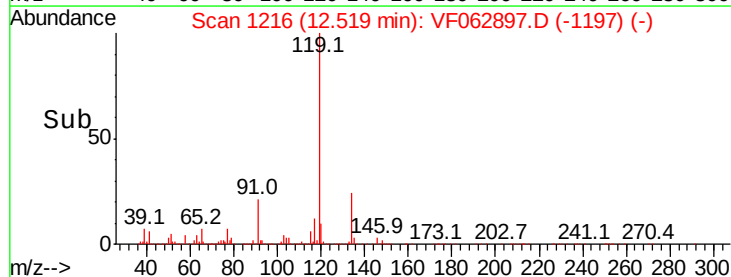
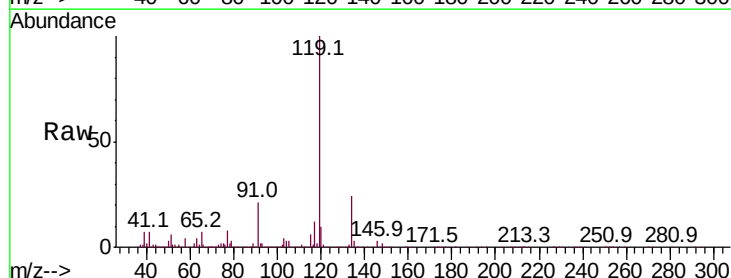
Manual Integrations
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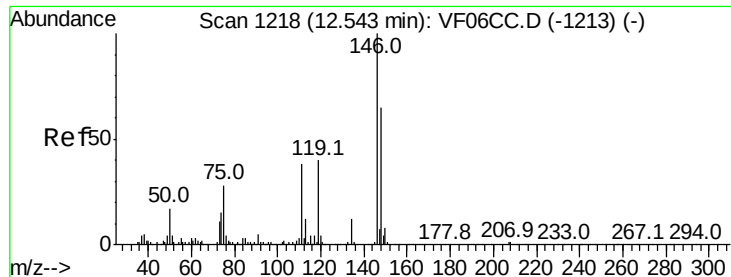
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#86
 p-Isopropyltoluene
 Concen: 23.788 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	15.5	46.5
91	20.9	10.3	30.9





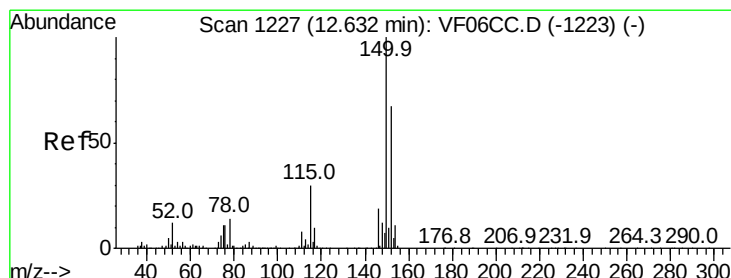
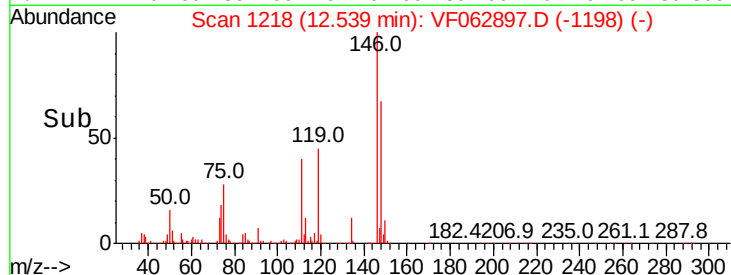
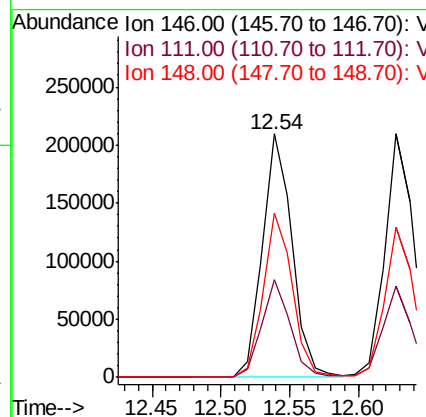
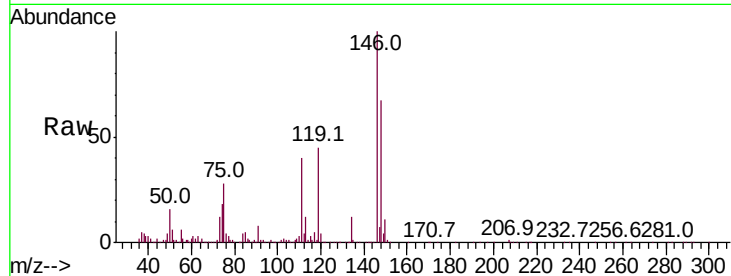
#87
 1,3-Dichlorobenzene
 Concen: 22.301 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	67.4	34.2	102.5

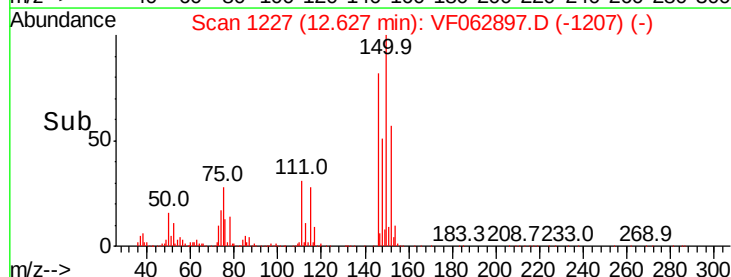
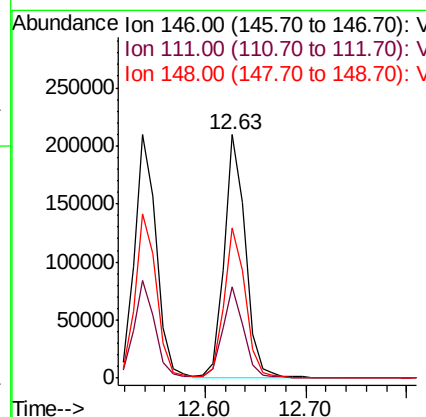
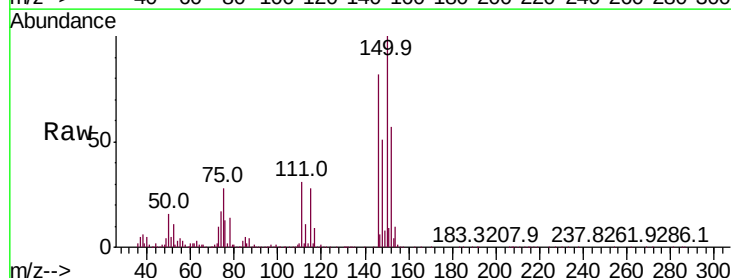
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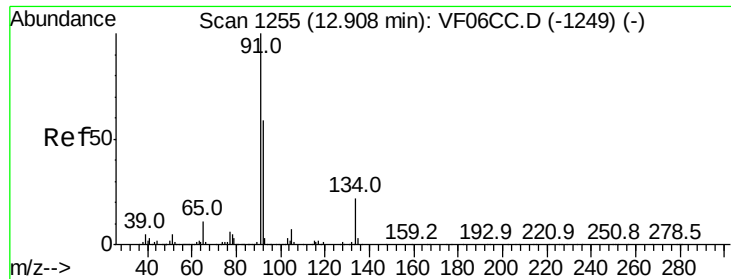
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#88
 1,4-Dichlorobenzene
 Concen: 23.361 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.3	60.9
148	61.7	34.0	101.8





#89

n-Butylbenzene

Concen: 24.883 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

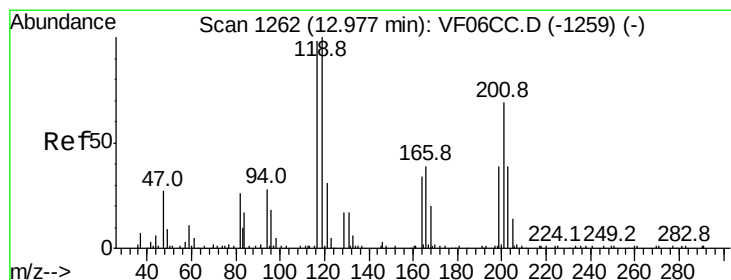
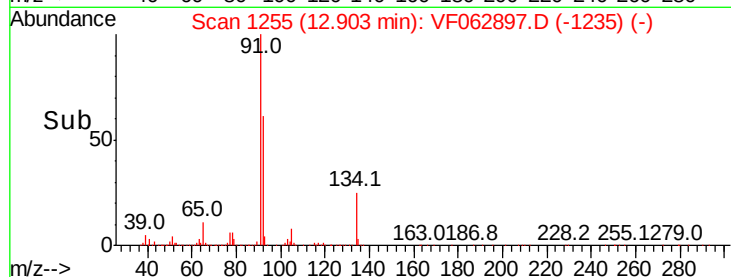
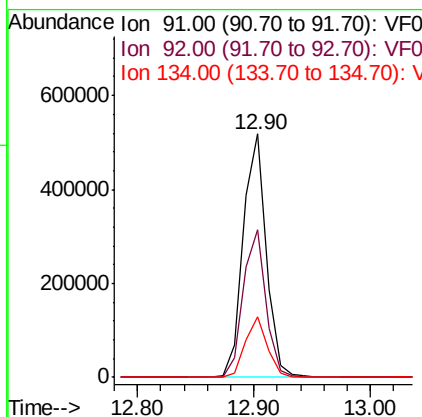
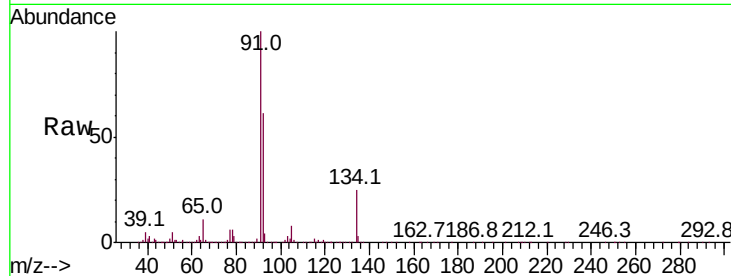
ClientSampleId :

VF0607SBSD01

Tot Ion:	91	Resp:	710511
Ion Ratio	Lower	Upper	
91	100		
92	60.9	34.2	102.6
134	25.0	15.8	47.3

Manual Integrations
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#90

Hexachloroethane

Concen: 24.423 ug/l

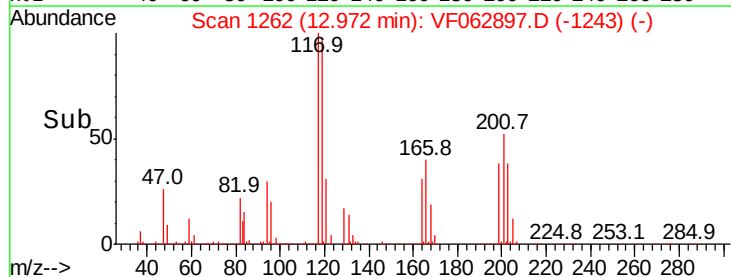
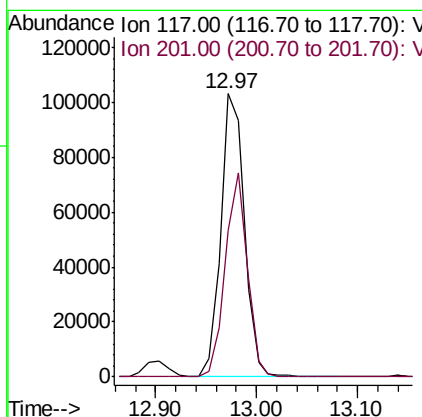
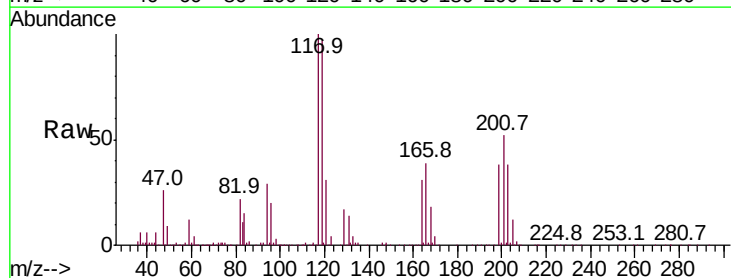
RT: 12.97 min Scan# 1262

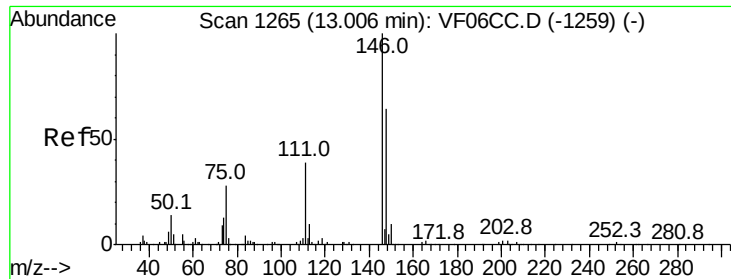
Delta R.T. -0.02 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	117	Resp:	169087
Ion Ratio	Lower	Upper	
117	100		
201	51.8	38.9	116.7





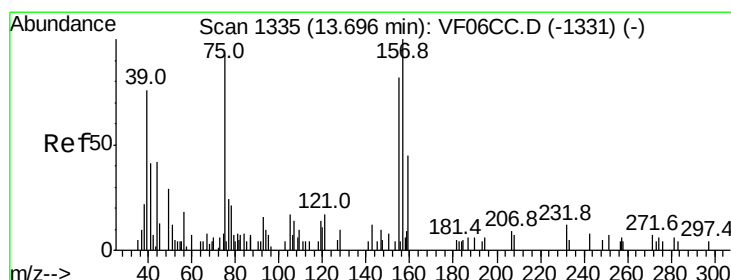
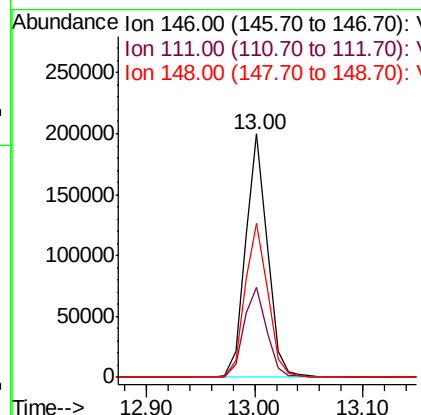
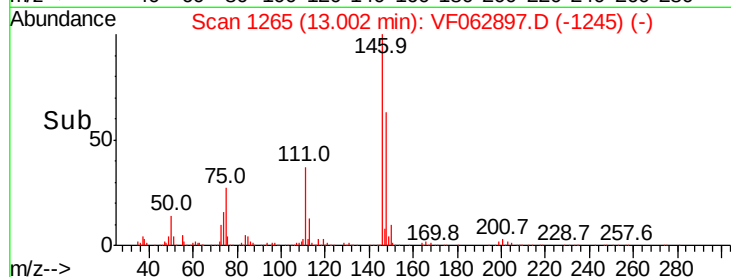
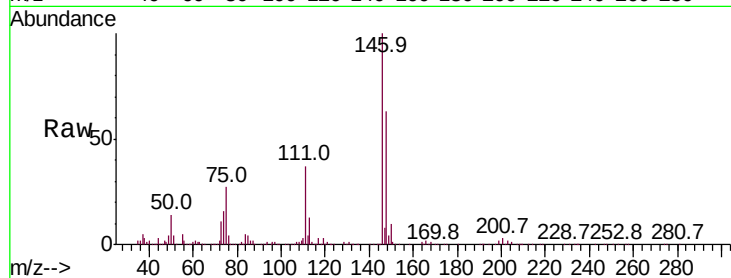
#91
 1,2-Dichlorobenzene
 Concen: 22.508 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	20.4	61.3
148	63.4	34.1	102.3

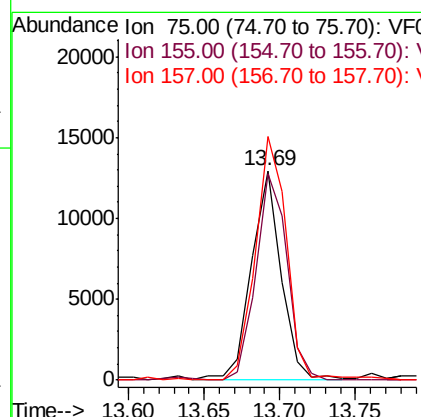
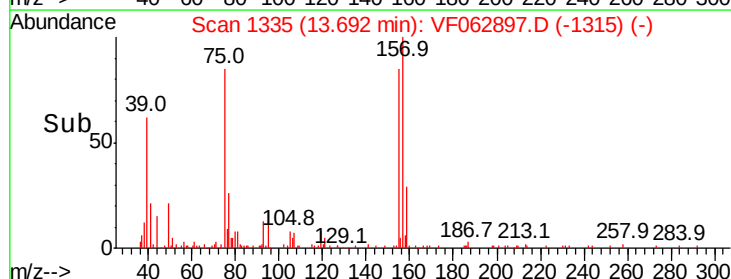
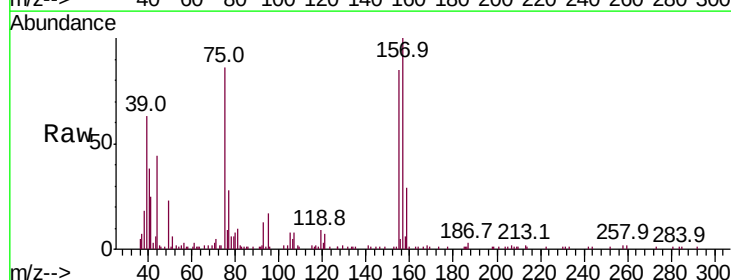
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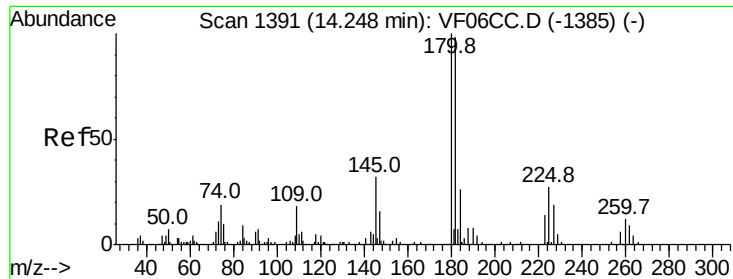
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.051 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	51.7	155.1
157	116.5	66.8	200.6





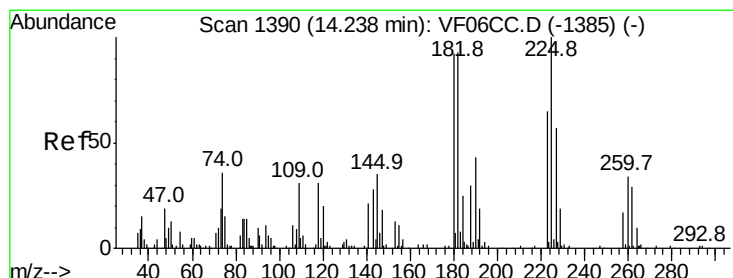
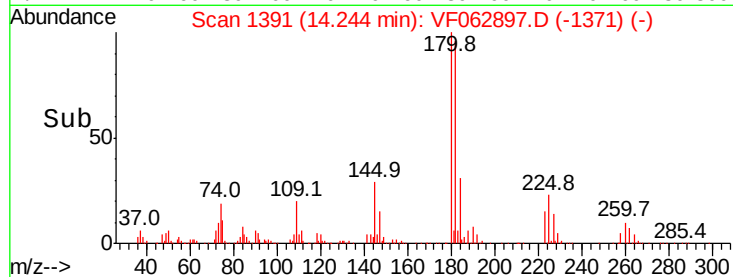
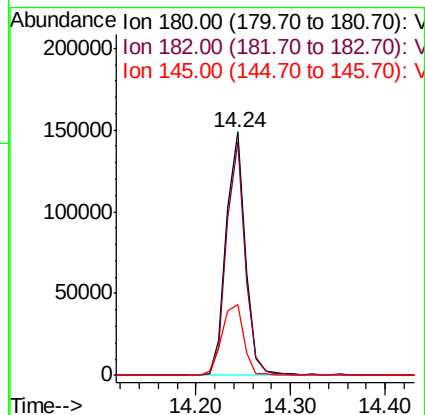
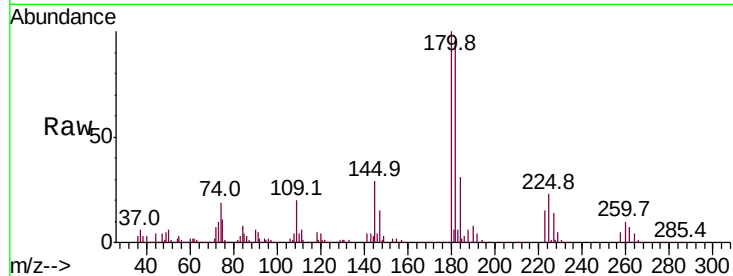
#93
 1,2,4-Trichlorobenzene
 Concen: 24.405 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	208447		
182	95.9	50.3	150.9	
145	29.1	15.4	46.2	

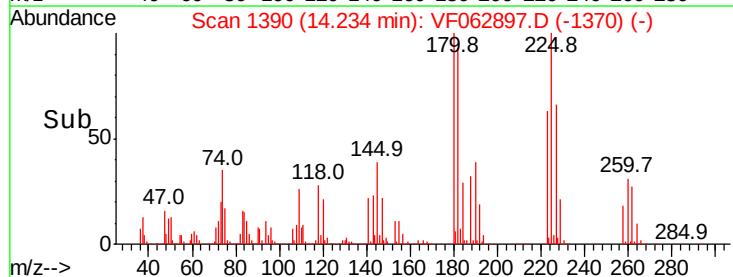
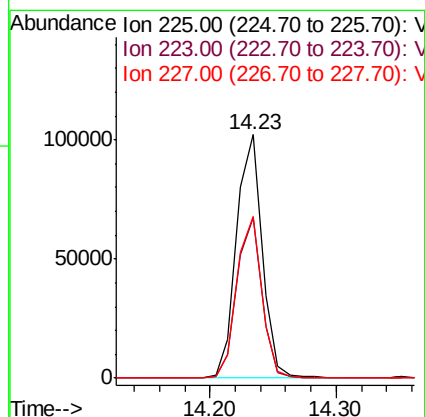
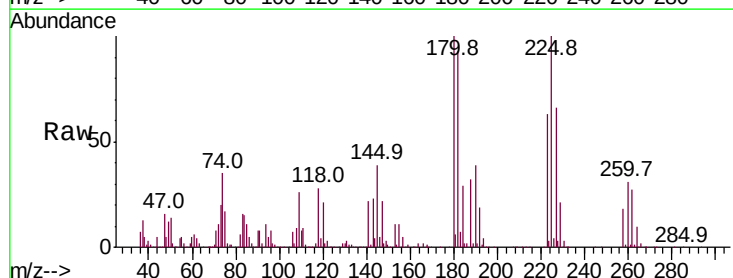
Manual Integrations
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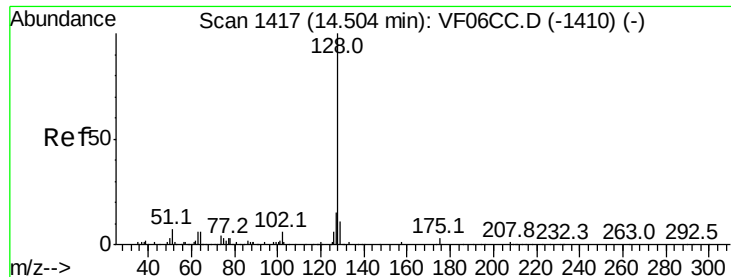
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#94
 Hexachlorobutadiene
 Concen: 24.211 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062897.D
 Acq: 7 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143056		
223	65.8	30.8	92.4	
227	66.4	31.9	95.5	





#95

Naphthalene

Concen: 23.348 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Instrument :

MSVOA_F

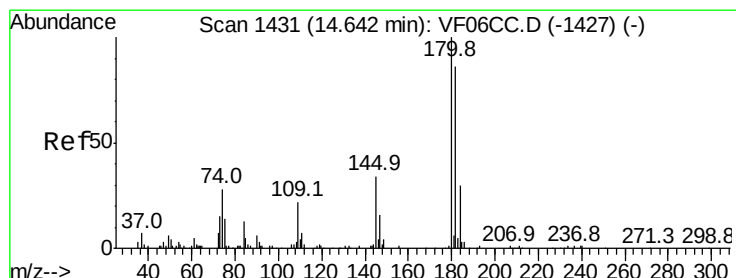
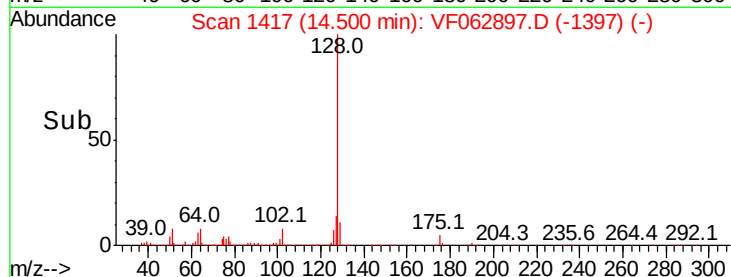
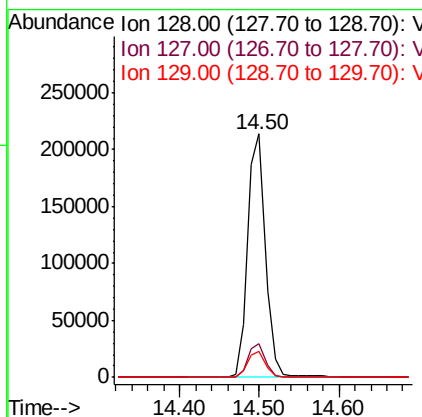
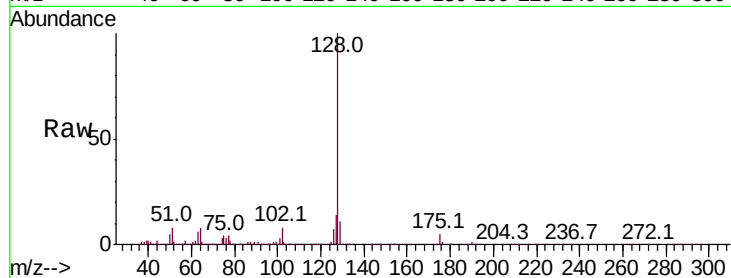
ClientSampleId :

VF0607SBSD01

Tot Ion:	128	Resp:	326701
Ion Ratio	Lower	Upper	
128	100		
127	13.8	9.7	14.5
129	10.6	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 12:25:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.866 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062897.D

Acq: 7 Jun 2019 13:56

Tgt Ion:	180	Resp:	186074
Ion Ratio	Lower	Upper	
180	100		
182	100.3	48.6	145.9
145	32.2	15.7	47.0

