

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062859.D
 Acq On : 5 Jun 2019 10:59
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:50:57 AM

Quant Time: Jun 06 08:07:41 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	869061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1462760	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1195501	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	576103	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	286572	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
35) Dibromofluoromethane	4.33	113	535942	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
50) Toluene-d8	7.72	98	1354153	48.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.50	95	491310	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.02	85	473645	47.995	ug/l	94
3) Chloromethane	1.14	50	442582	49.218	ug/l	91
4) Vinyl Chloride	1.19	62	432589	48.410	ug/l	98
5) Bromomethane	1.39	94	272626	53.497	ug/l	97
6) Chloroethane	1.46	64	180501	54.026	ug/l	92
7) Trichlorofluoromethane	1.56	101	661905	52.323	ug/l	96
8) Diethyl Ether	1.72	74	123790	49.738	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	411316	51.716	ug/l	95
10) Methyl Iodide	2.00	142	838672m	52.592	ug/l	
11) Tert butyl alcohol	2.71	59	96260	264.409	ug/l	96
12) 1,1-Dichloroethene	1.88	96	367975	50.952	ug/l	94
13) Acrolein	2.11	56	33469	229.454	ug/l	92
14) Allyl chloride	2.21	41	329371m	58.787	ug/l	
15) Acrylonitrile	3.10	53	391169	285.948	ug/l	99
16) Acetone	2.36	43	388724	282.613	ug/l	95
17) Carbon Disulfide	1.91	76	1079377	51.136	ug/l	99
18) Methyl Acetate	2.47	43	111848	46.533	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	694105	53.049	ug/l	97
20) Methylene Chloride	2.30	84	375818m	54.853	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	372867	51.493	ug/l	97
22) Diisopropyl ether	2.95	45	791488	49.723	ug/l	96
23) Vinyl Acetate	3.36	43	2651422	243.305	ug/l	98
24) 1,1-Dichloroethane	3.03	63	611667	51.466	ug/l	99
25) 2-Butanone	4.53	43	761123	237.617	ug/l	97
26) 2,2-Dichloropropane	3.80	77	373598	55.362	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	654154	53.743	ug/l	97
28) Bromochloromethane	3.91	49	305195	47.209	ug/l	92
29) Tetrahydrofuran	4.28	42	297431	242.778	ug/l	97
30) Chloroform	4.06	83	853060	50.928	ug/l	99
31) Cyclohexane	3.89	56	806363	50.114	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	558539	57.271	ug/l	95
36) 1,1-Dichloropropene	4.49	75	673294	49.999	ug/l	98
37) Ethyl Acetate	4.32	43	257172	49.960	ug/l #	81
38) Carbon Tetrachloride	4.20	117	480135	52.757	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	843738	50.343	ug/l	96
40) Benzene	4.84	78	1915984	48.888	ug/l	98
41) Methacrylonitrile	4.95	41	138555	48.418	ug/l	94
42) 1,2-Dichloroethane	5.15	62	388994	52.187	ug/l	96
43) Isopropyl Acetate	7.13	43	336679	49.511	ug/l	97
44) Trichloroethene	5.70	130	552227	49.927	ug/l	99
45) 1,2-Dichloropropane	6.42	63	478891	48.693	ug/l	94
46) Dibromomethane	6.27	93	293915	51.187	ug/l	94
47) Bromodichloromethane	6.57	83	586826	50.182	ug/l	97
48) Methyl methacrylate	6.89	41	168317	48.029	ug/l	96
49) 1,4-Dioxane	6.88	88	42549	921.111	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	1283711	264.421	ug/l	99
52) Toluene	7.79	92	1084800	51.391	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	487368	50.295	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	691219	49.279	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	302967	48.043	ug/l	98
56) Ethyl methacrylate	8.76	69	355385	52.522	ug/l	99
57) 1,3-Dichloropropane	9.01	76	534847	51.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	553437	234.033	ug/l	99
59) 2-Hexanone	9.63	43	980294	283.293	ug/l	94
60) Dibromochloromethane	8.87	129	409726	52.479	ug/l	100
61) 1,2-Dibromoethane	9.14	107	334167	51.023	ug/l	99
64) Tetrachloroethene	8.32	164	396454	43.155	ug/l	98
65) Chlorobenzene	9.95	112	1161874	50.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466815	50.771	ug/l	97
67) Ethyl Benzene	10.04	91	1971392	49.760	ug/l	100
68) m/p-Xylenes	10.27	106	1465176	96.644	ug/l	100
69) o-Xylene	10.82	106	821443	53.516	ug/l	96
70) Styrene	10.89	104	1181582	52.227	ug/l	98
71) Bromoform	10.88	173	242666	55.016	ug/l #	95
73) Isopropylbenzene	11.22	105	2013346	50.086	ug/l	100
74) N-amyl acetate	11.45	43	543434	47.966	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	429551	50.039	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	266644	46.860	ug/l	89
77) Bromobenzene	11.58	156	489717	48.486	ug/l	82
78) n-propylbenzene	11.67	91	2335078	48.110	ug/l	94
79) 2-Chlorotoluene	11.80	91	1346008	48.466	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1585914	48.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	125069m	51.916	ug/l	
82) 4-Chlorotoluene	11.98	91	1347900	49.386	ug/l	98
83) tert-Butylbenzene	12.20	119	1624899	49.884	ug/l	94
84) 1,2,4-Trimethylbenzene	12.27	105	1570498	50.387	ug/l	99
85) sec-Butylbenzene	12.37	105	2229997	51.955	ug/l	99
86) p-Isopropyltoluene	12.52	119	1837129	51.422	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	895918	50.297	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	832871	50.102	ug/l	96
89) n-Butylbenzene	12.90	91	1800455	50.099	ug/l	99
90) Hexachloroethane	12.97	117	464134	53.266	ug/l	84
91) 1,2-Dichlorobenzene	13.00	146	811042	51.802	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	48063	51.391	ug/l	91

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QLast Update : Fri May 31 04:18:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	556879	51.803	ug/l	96
94) Hexachlorobutadiene	14.23	225	379164	50.985	ug/l	98
95) Naphthalene	14.50	128	883287	50.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	482956	49.217	ug/l	98

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

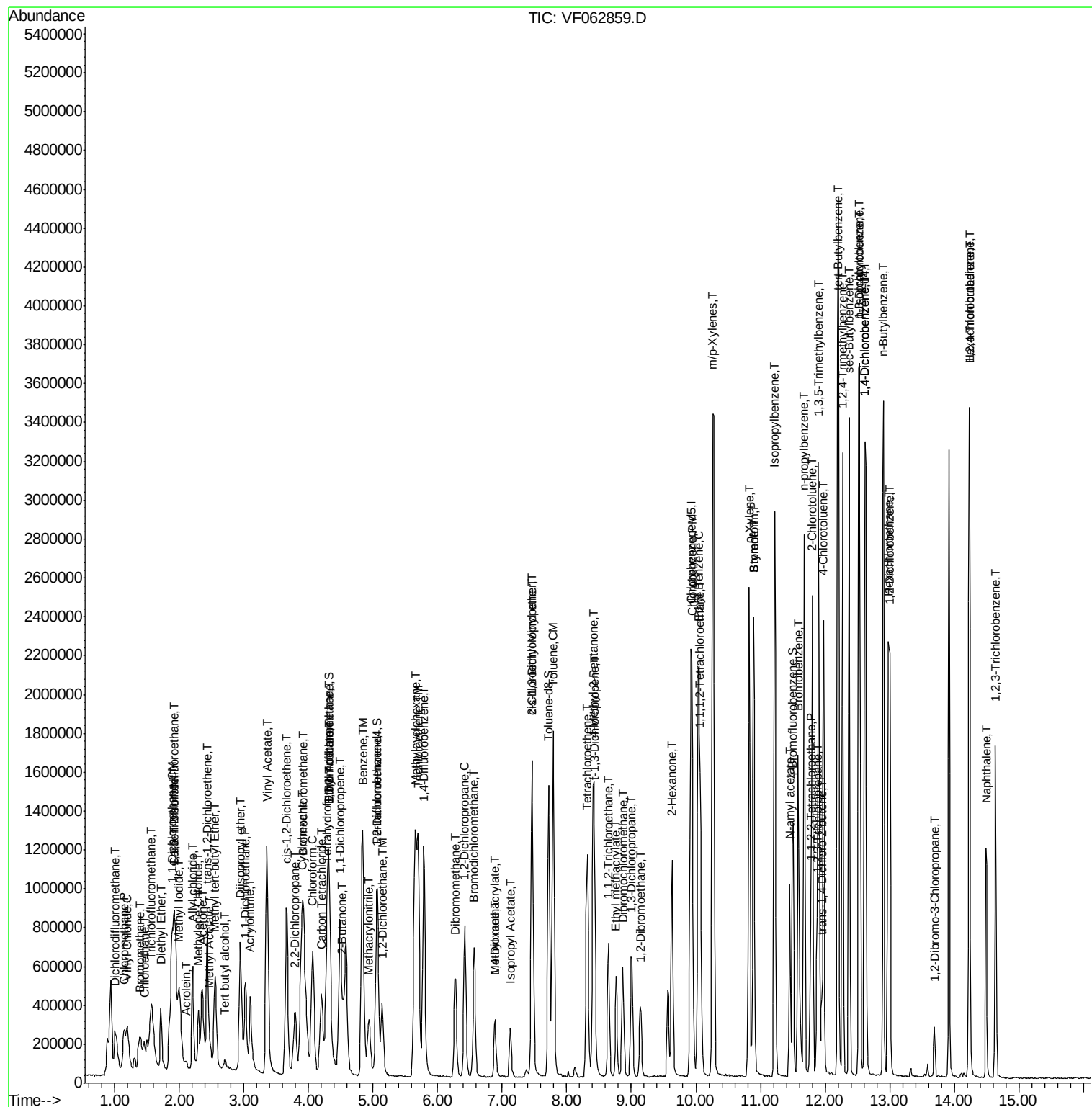
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060519\
Data File : VF062859.D
Acq On : 5 Jun 2019 10:59
Operator : FY/SY
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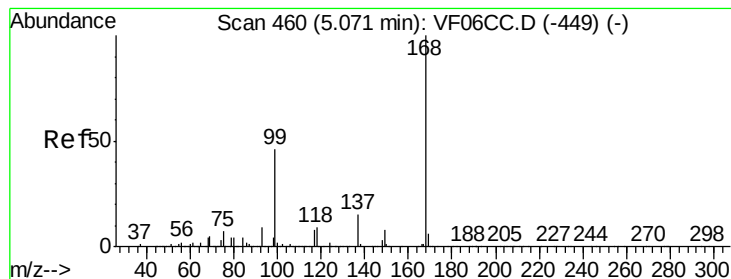
Instrument :
MSVOA_F
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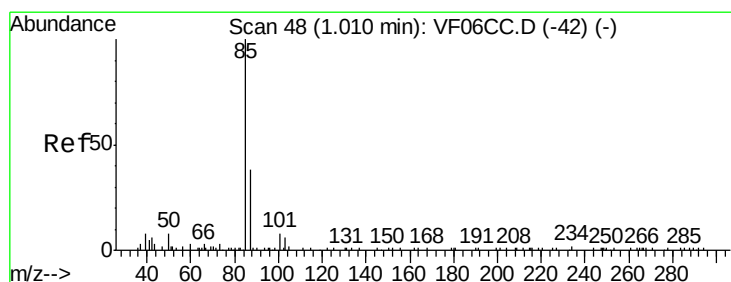
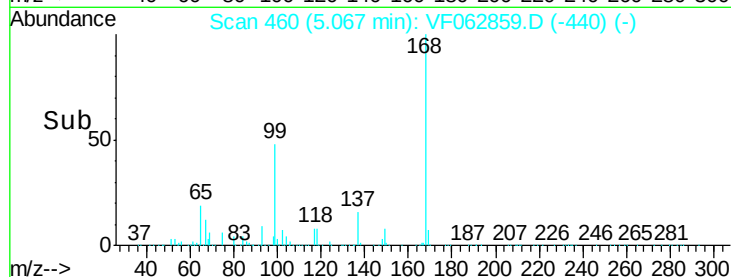
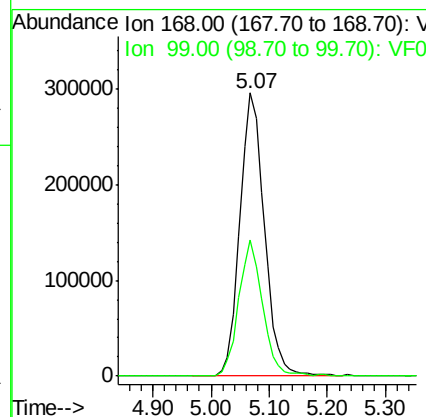
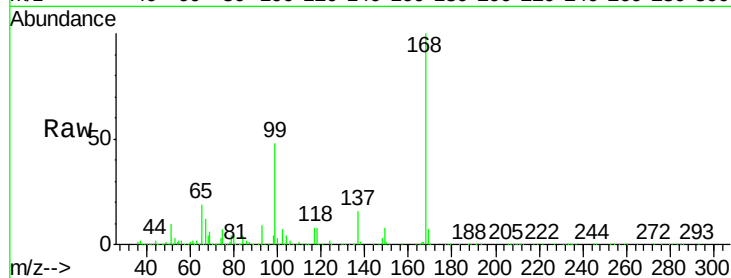
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.07 min Scan# 460
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.9	39.1	58.7

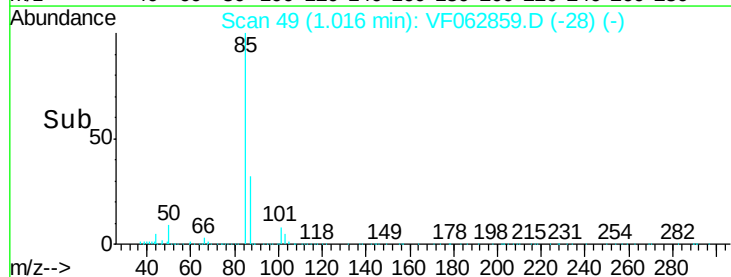
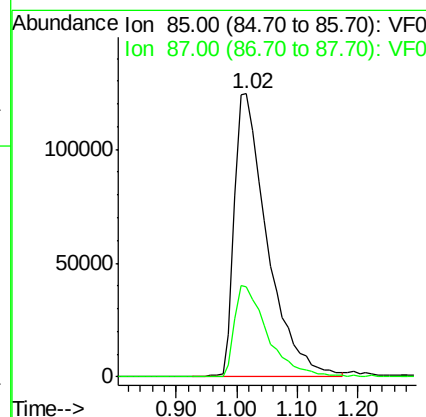
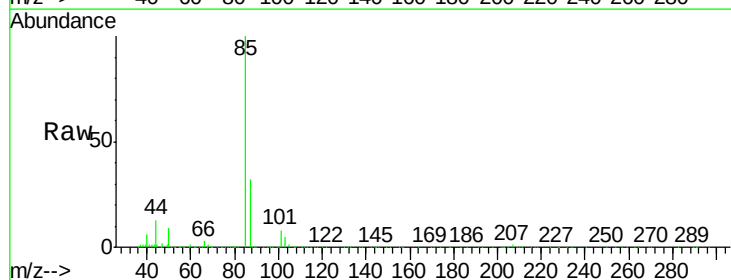
Manual Integrations
APPROVED

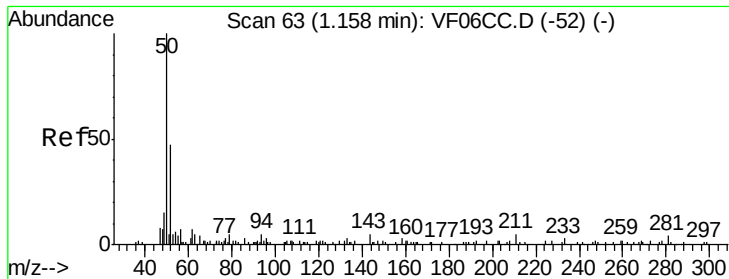
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#2
Dichlorodifluoromethane
Concen: 47.995 ug/l
RT: 1.02 min Scan# 49
Delta R.T. 0.00 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.6	52.9





#3

Chloromethane

Concen: 49.218 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 442582

Ion Ratio Lower Upper

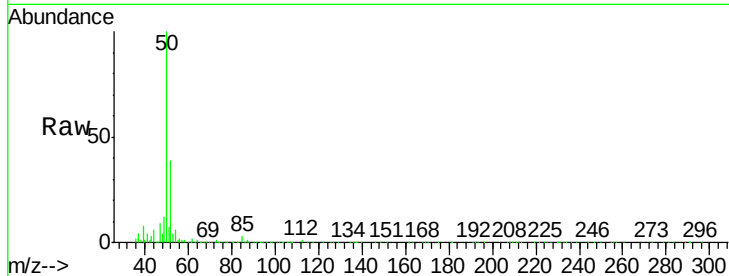
50 100

52 38.7 27.0 40.4

Manual Integrations
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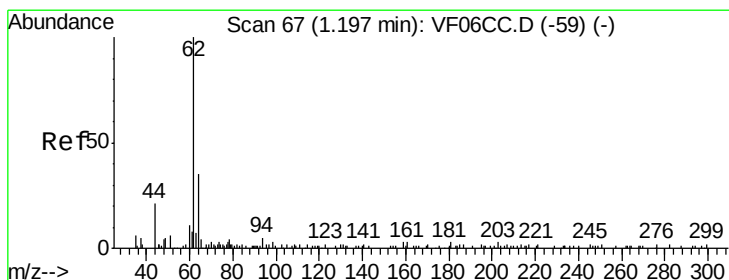
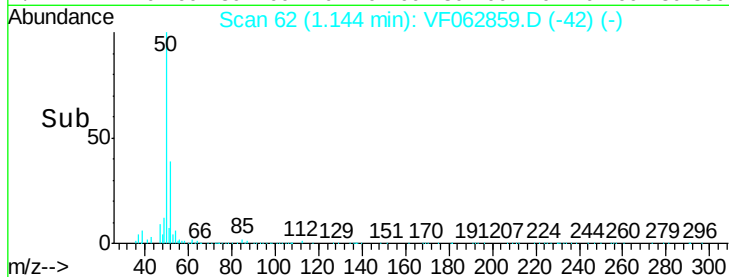
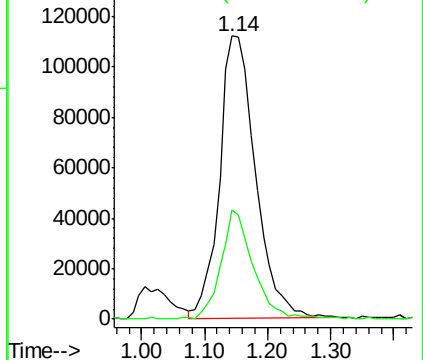
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 48.410 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062859.D

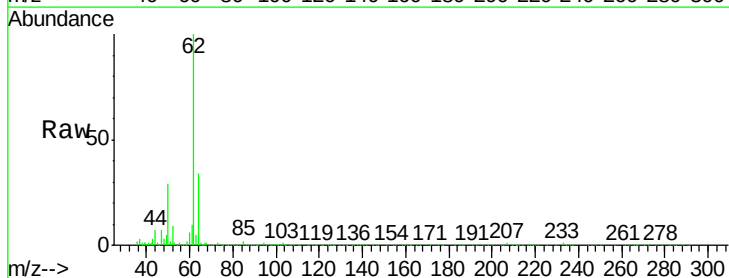
Acq: 5 Jun 2019 10:59

Tgt Ion: 62 Resp: 432589

Ion Ratio Lower Upper

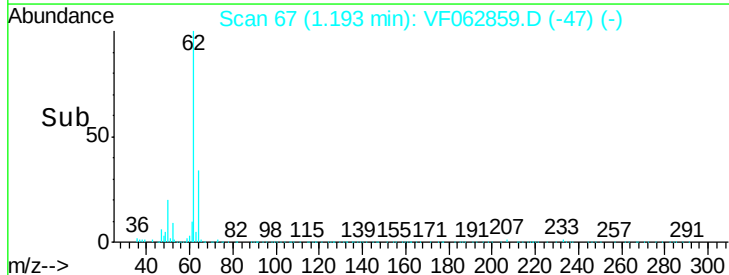
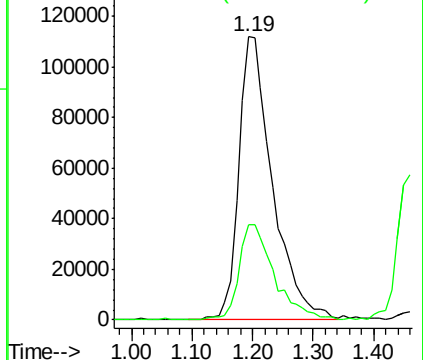
62 100

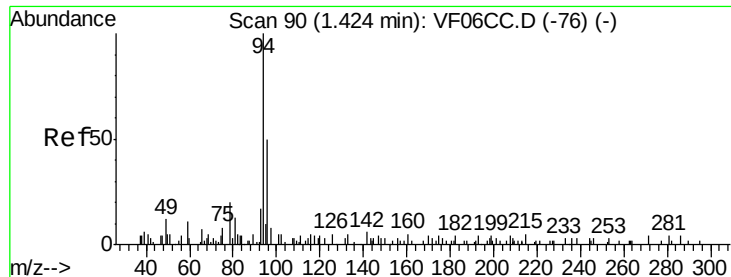
64 33.7 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 53.497 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

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MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 272626

Ion Ratio Lower Upper

94 100

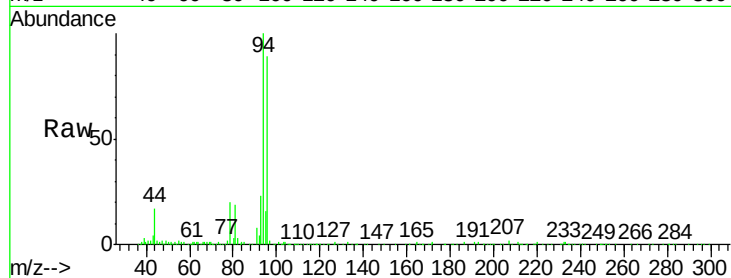
96 88.9 73.8 110.6

Manual Integrations

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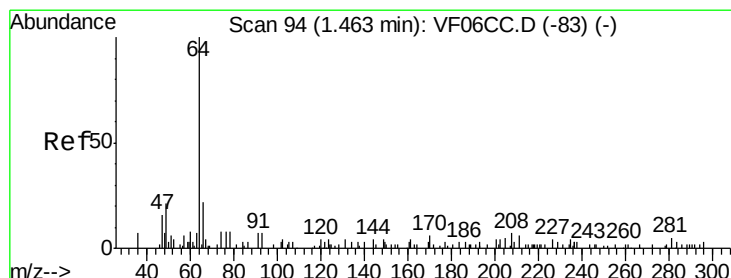
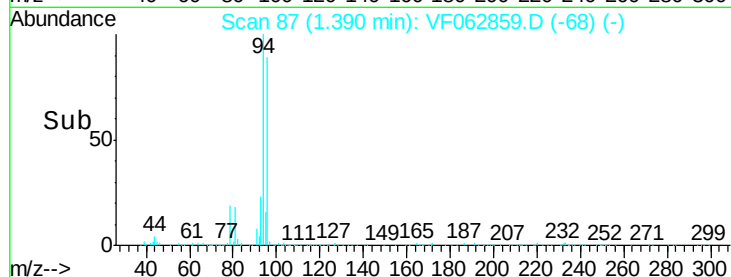
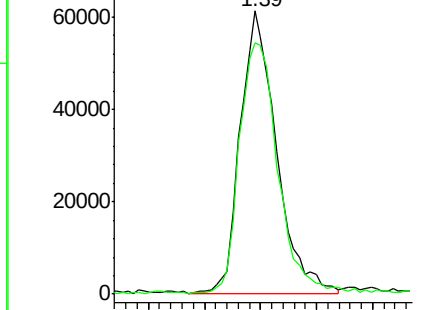
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 54.026 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062859.D

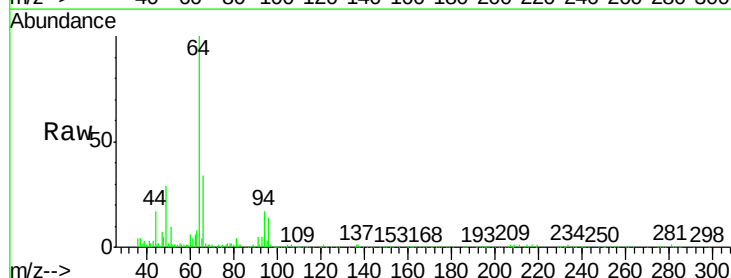
Acq: 5 Jun 2019 10:59

Tgt Ion: 64 Resp: 180501

Ion Ratio Lower Upper

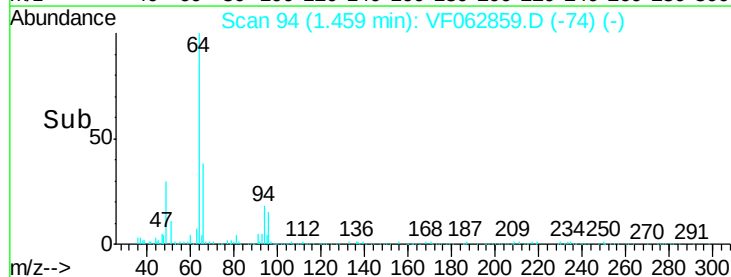
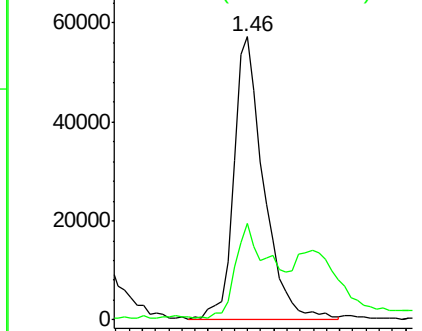
64 100

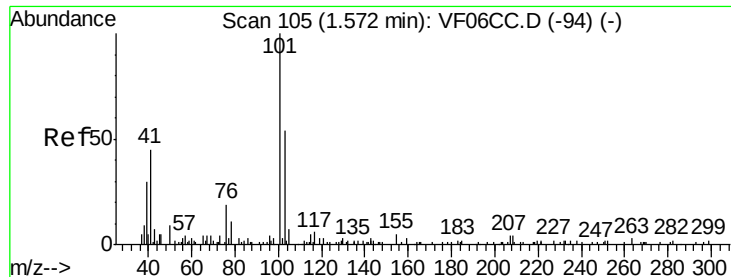
66 34.0 31.0 46.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

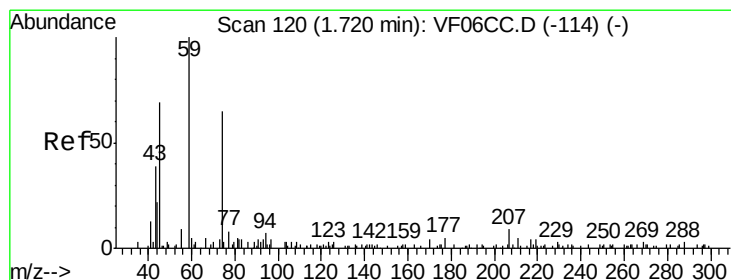
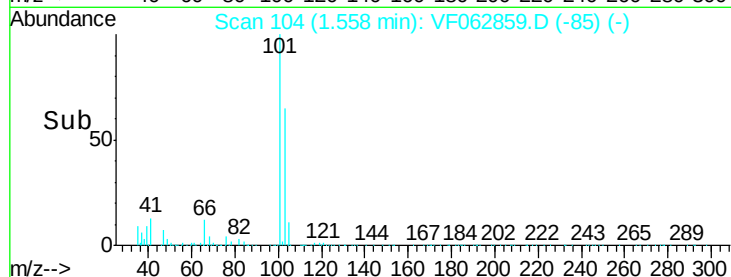
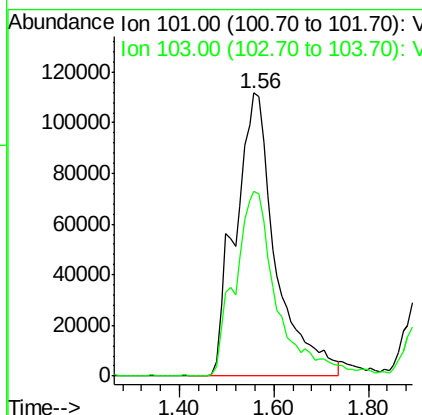
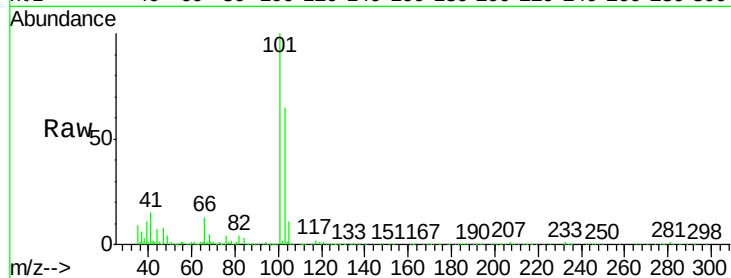
Trichlorofluoromethane
Concen: 52.323 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	54.6	82.0

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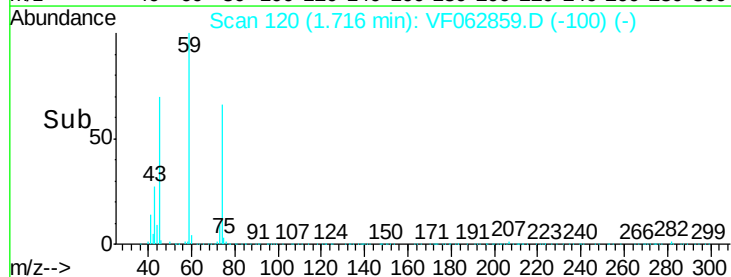
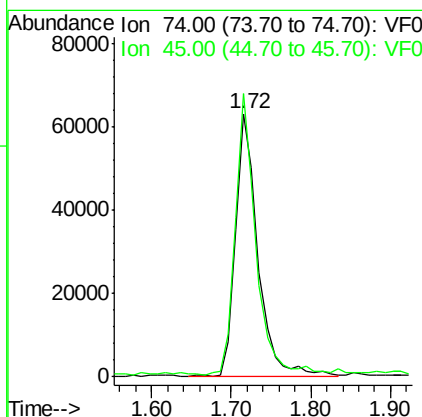
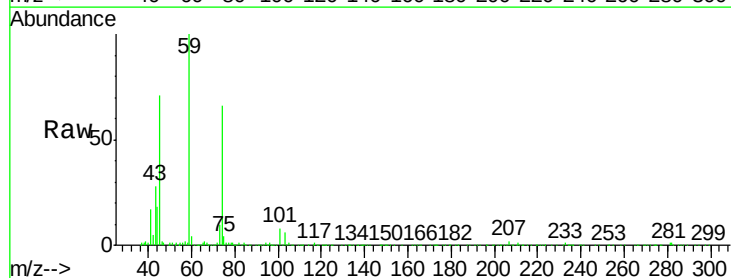
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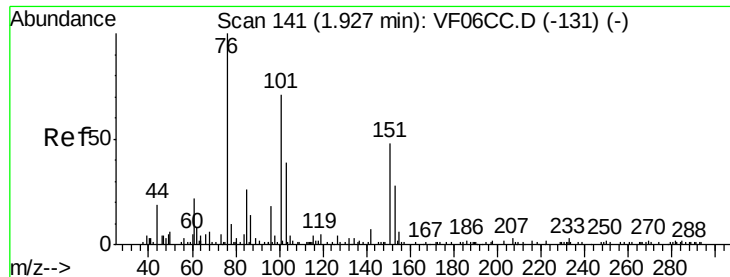


#8

Diethyl Ether
Concen: 49.738 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.716 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

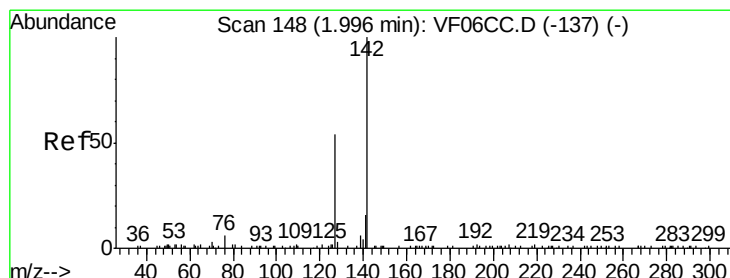
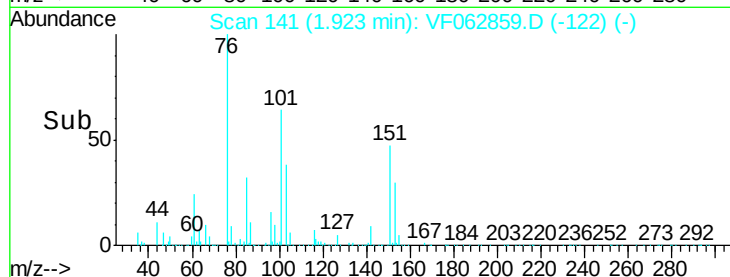
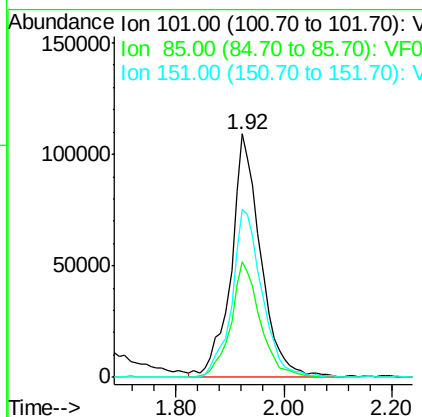
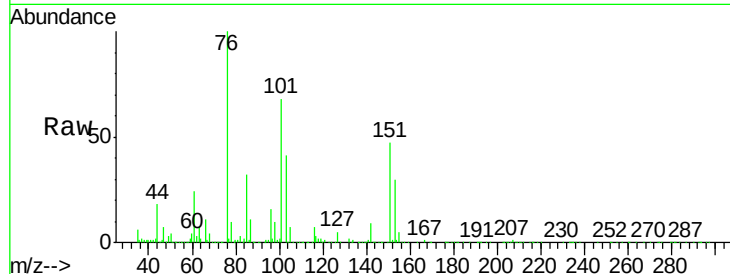
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	411316
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.1	55.7
151	69.3	60.3	90.5

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#10

Methyl Iodide

Concen: 52.592 ug/l m

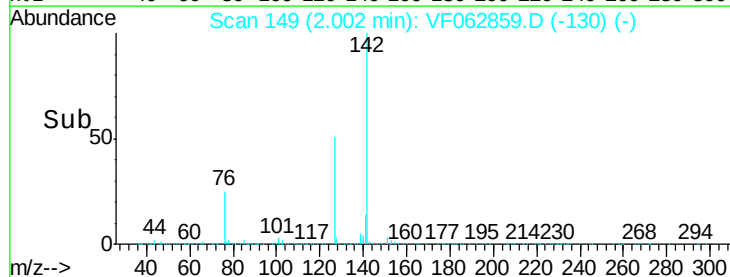
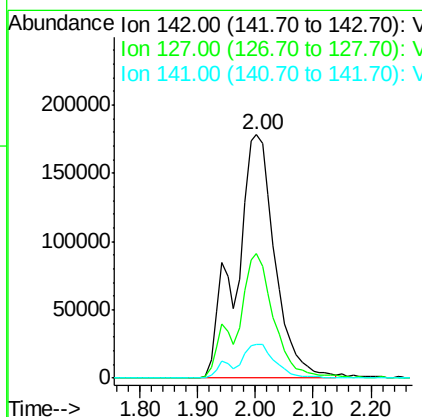
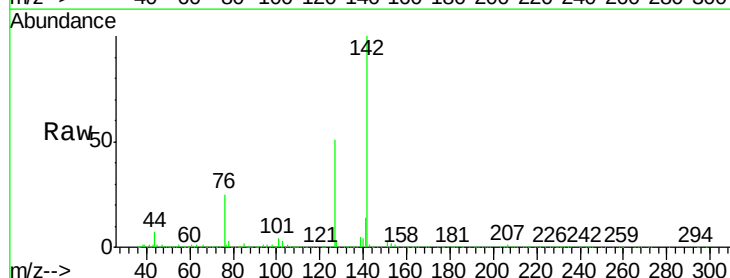
RT: 2.00 min Scan# 149

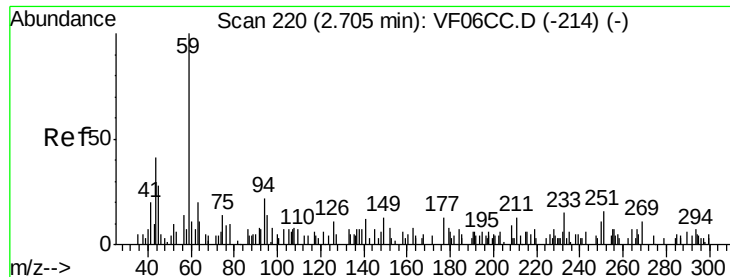
Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	142	Resp:	838672
Ion Ratio	Lower	Upper	
142	100		
127	51.3	39.4	59.2
141	13.9	10.6	15.8





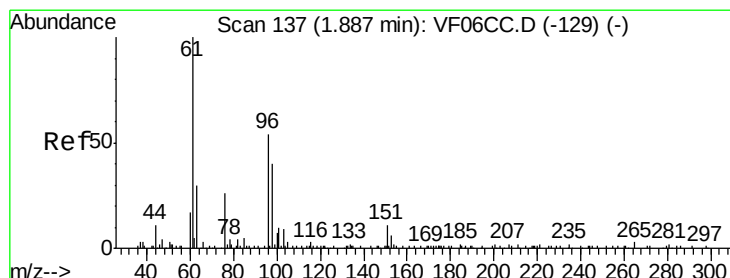
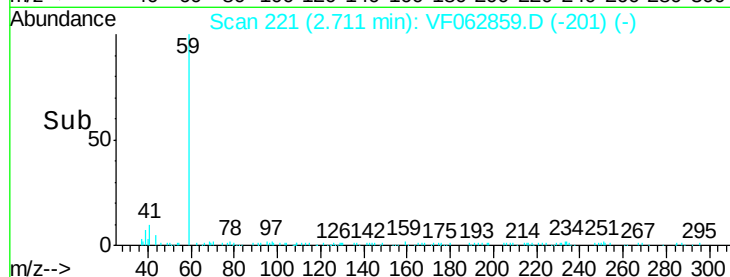
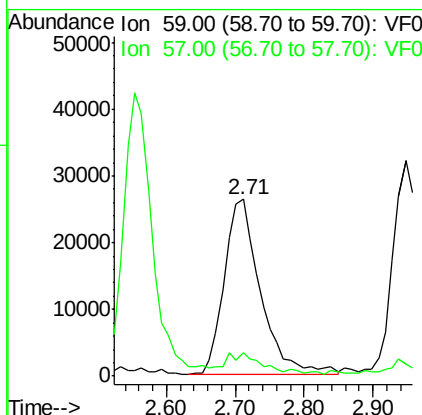
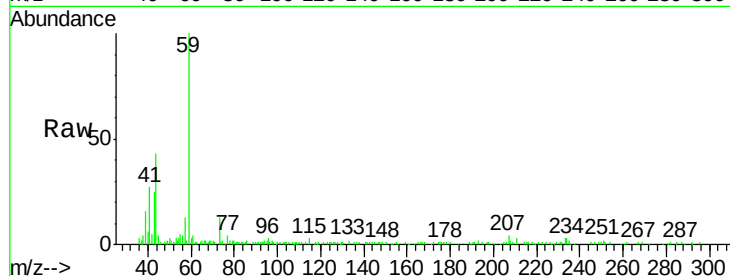
#11
Tert butyl alcohol
Concen: 264.409 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	96260		
57	13.2		9.2	13.8

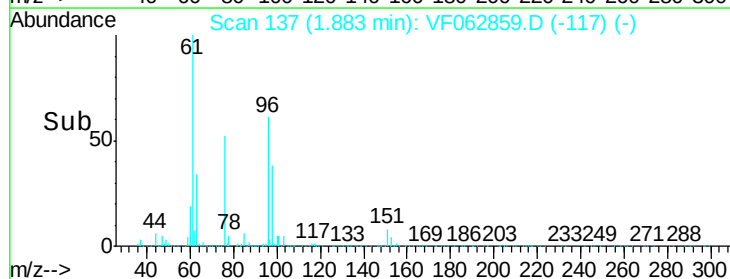
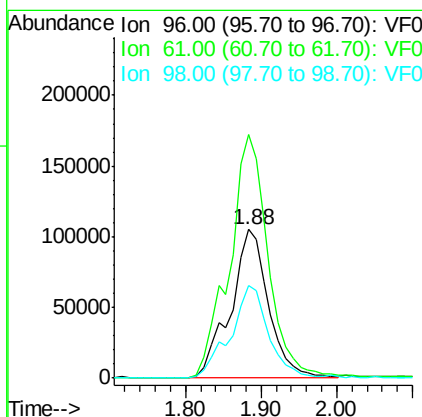
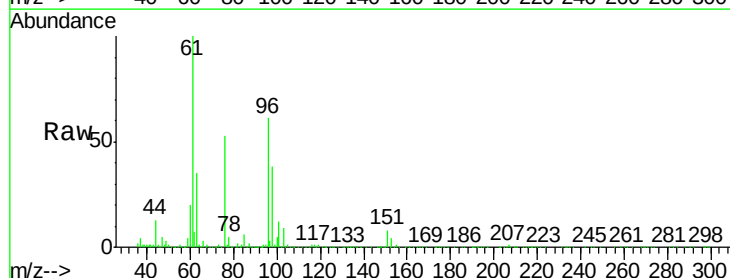
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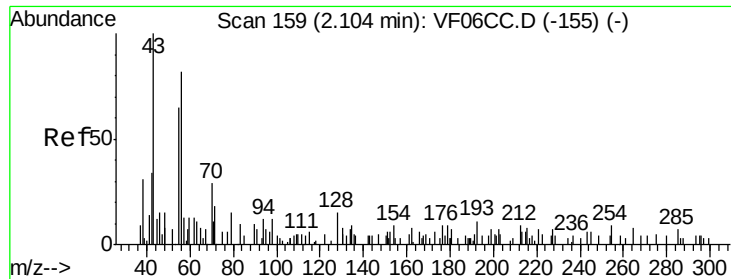
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#12
1,1-Dichloroethene
Concen: 50.952 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	367975		
61	163.9		139.4	209.2
98	62.2		50.3	75.5





#13

Acrolein

Concen: 229.454 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 33469

Ion Ratio Lower Upper

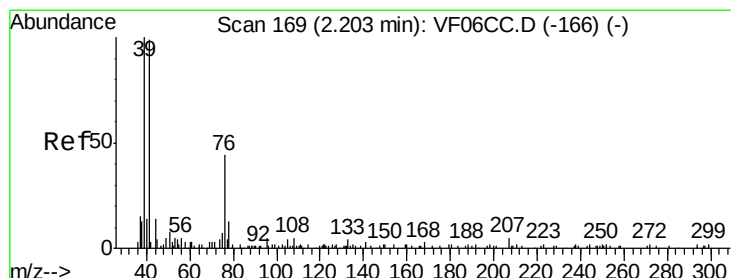
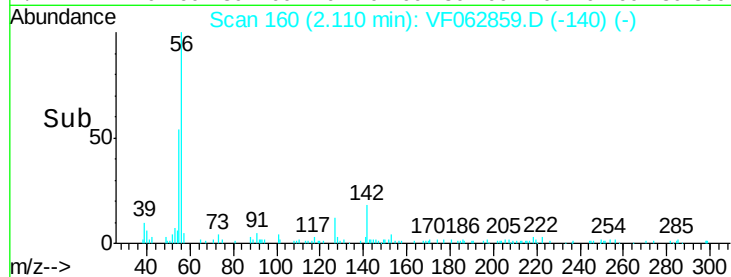
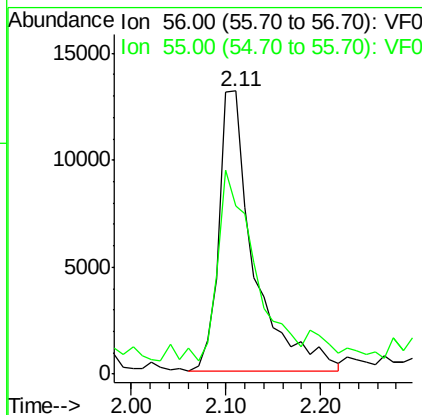
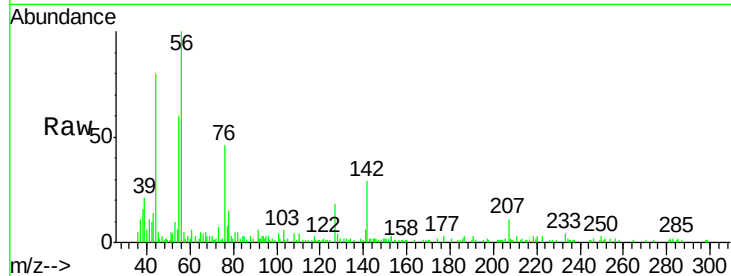
56 100

55 59.6 52.9 79.3

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#14

Allyl chloride

Concen: 58.787 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

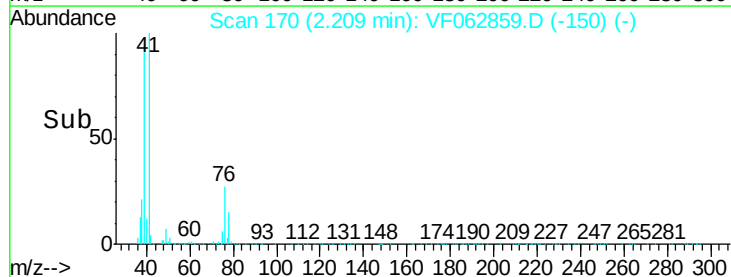
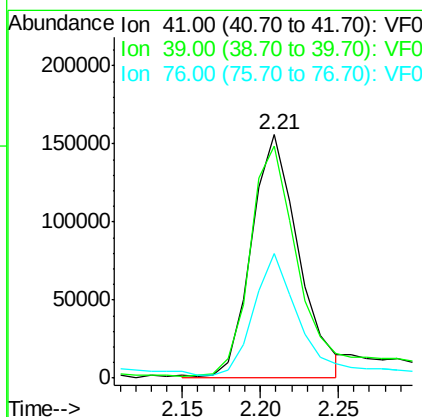
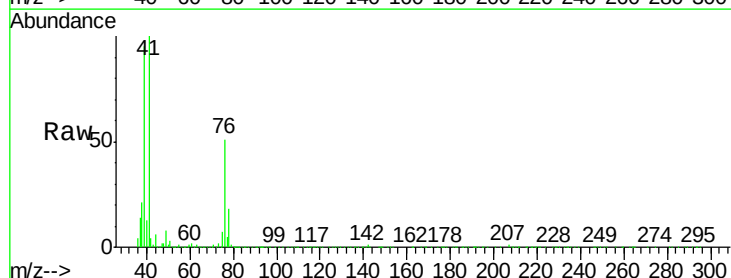
Tgt Ion: 41 Resp: 329371

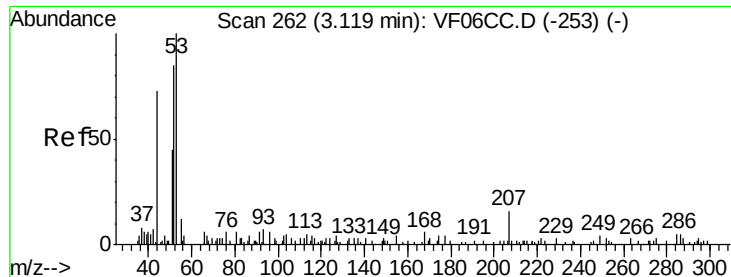
Ion Ratio Lower Upper

41 100

39 95.3 71.9 107.9

76 51.1 39.6 59.4





#15

Acrylonitrile

Concen: 285.948 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

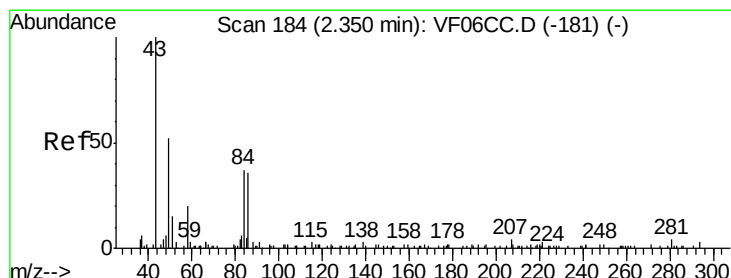
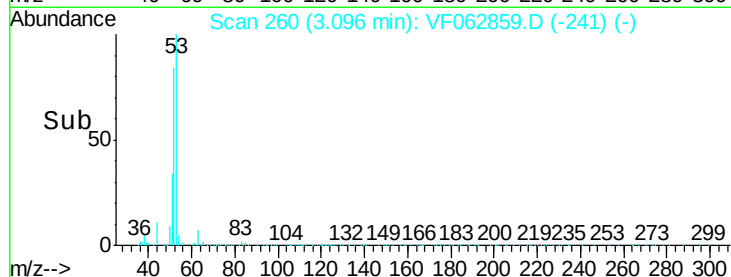
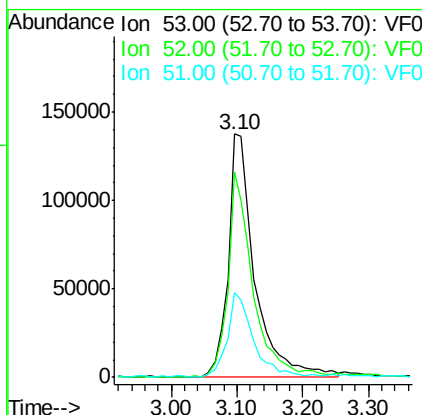
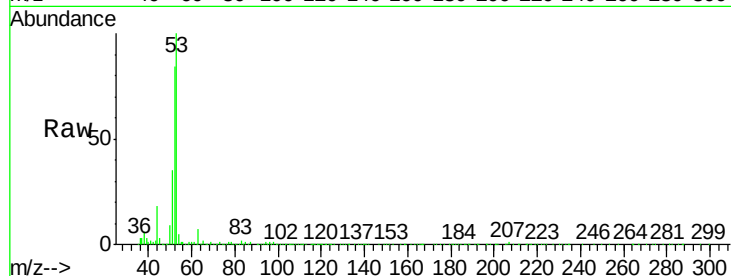
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	391169
Ion Ratio		Lower	Upper
53	100		
52	84.2	68.1	102.1
51	35.0	27.7	41.5

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#16

Acetone

Concen: 282.613 ug/l

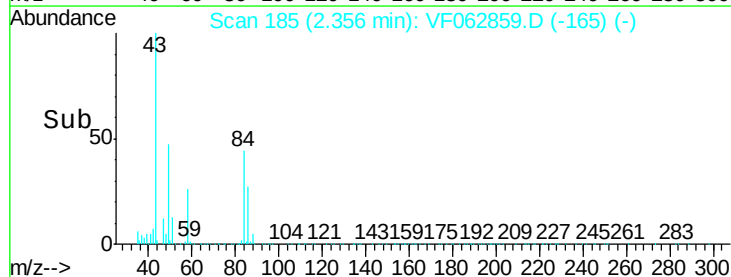
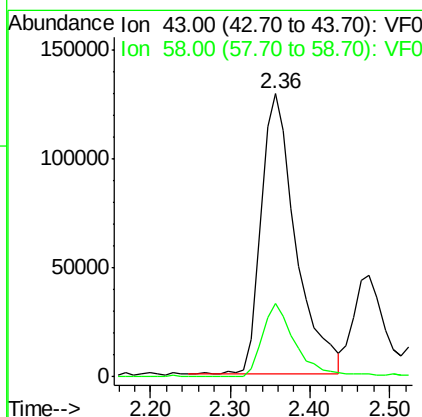
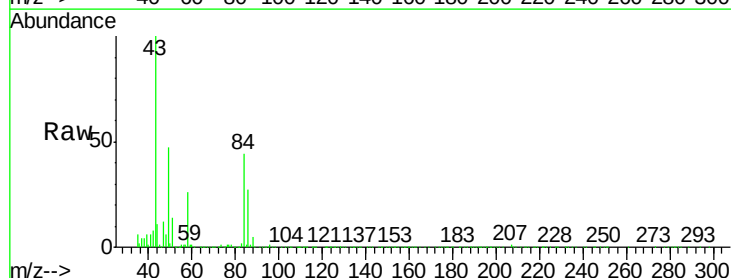
RT: 2.36 min Scan# 185

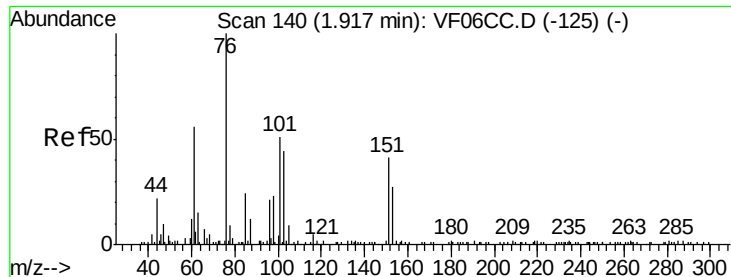
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	43	Resp:	388724
Ion Ratio		Lower	Upper
43	100		
58	26.0	19.0	28.4





#17

Carbon Disulfide

Concen: 51.136 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tot Ion: 76 Resp: 1079377

Ion Ratio Lower Upper

76 100

78 11.3 9.4 14.2

Instrument :

MSVOA_F

ClientSampleId :

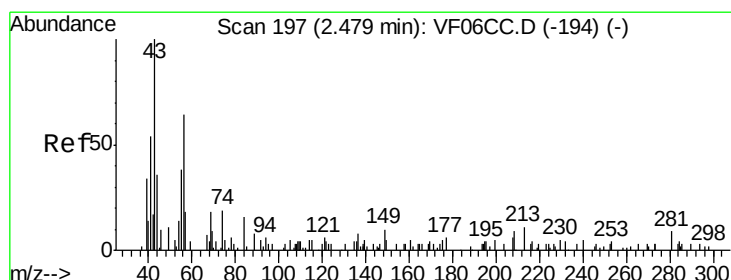
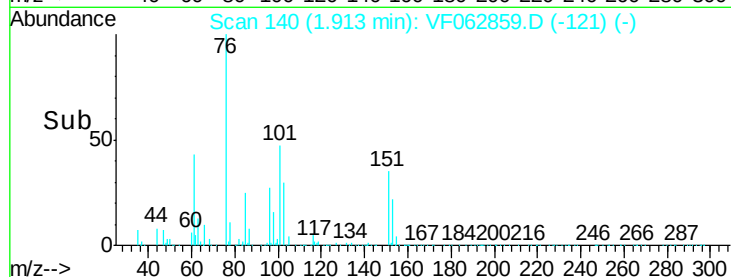
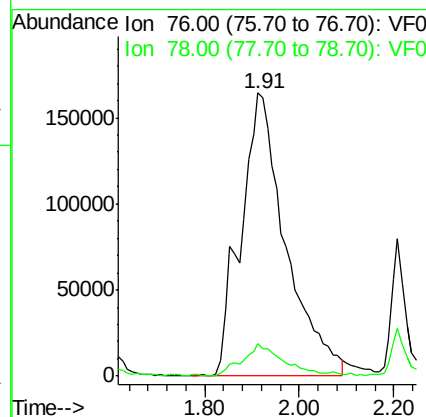
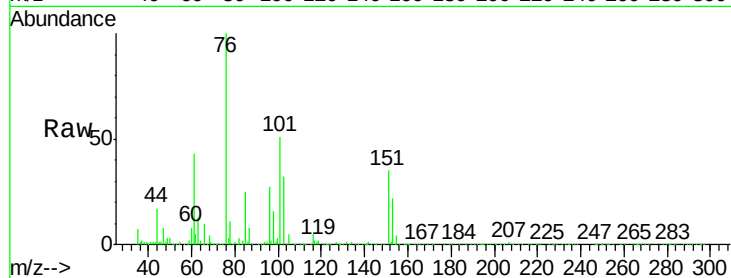
VSTDCCC050

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#18

Methyl Acetate

Concen: 46.533 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062859.D

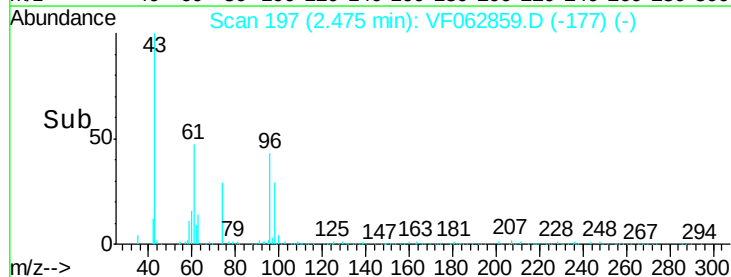
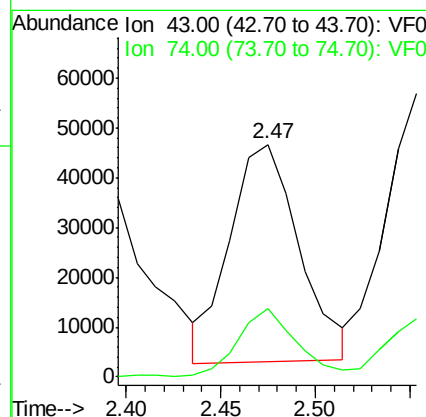
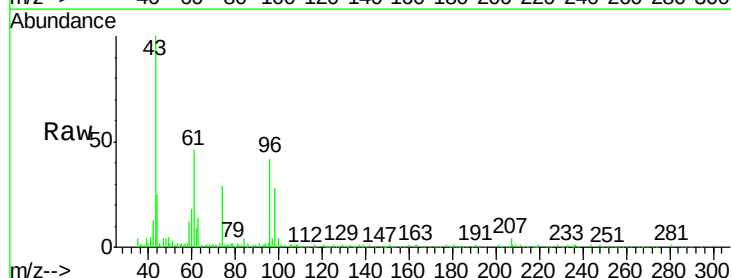
Acq: 5 Jun 2019 10:59

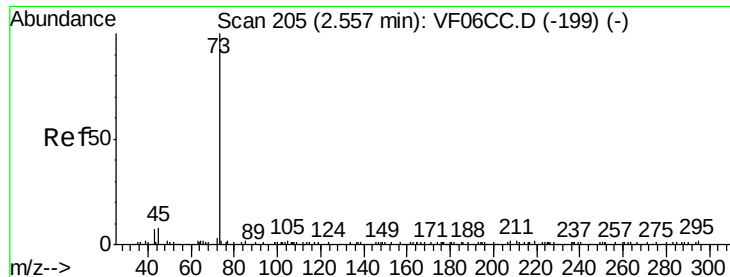
Tgt Ion: 43 Resp: 111848

Ion Ratio Lower Upper

43 100

74 29.3 22.1 33.1





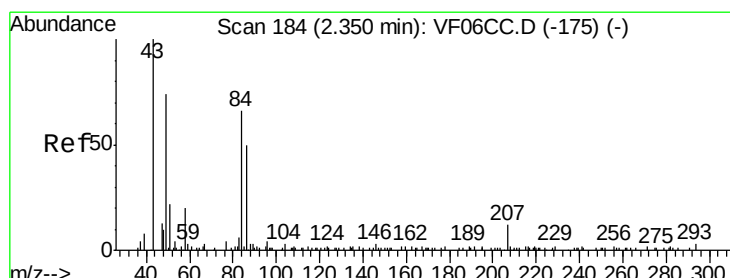
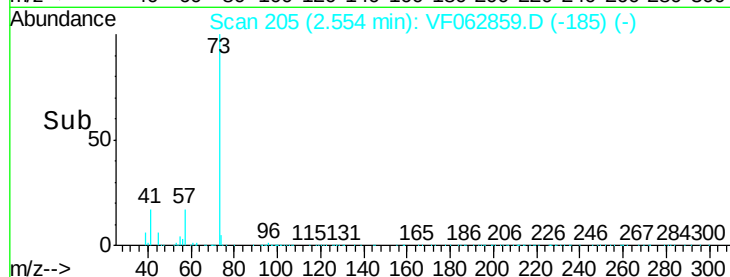
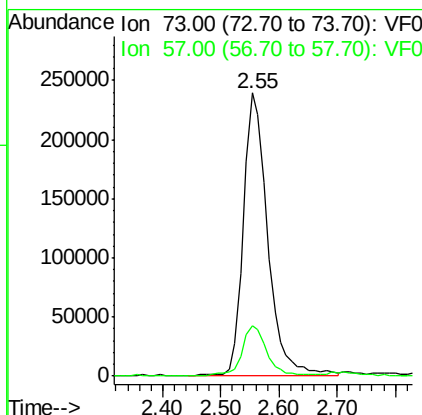
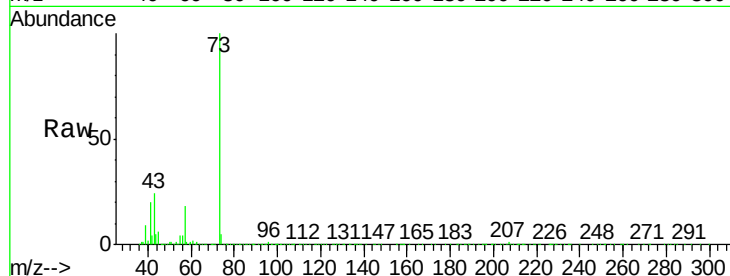
#19
Methyl tert-butyl Ether
Concen: 53.049 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	15.1	22.7

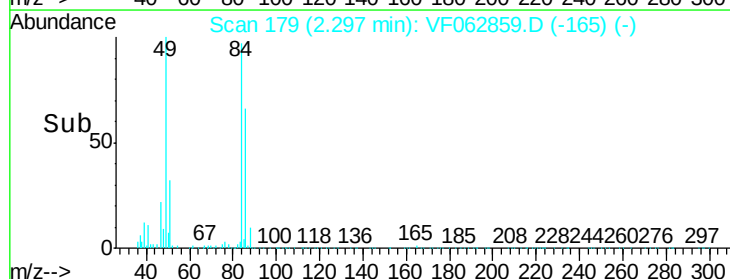
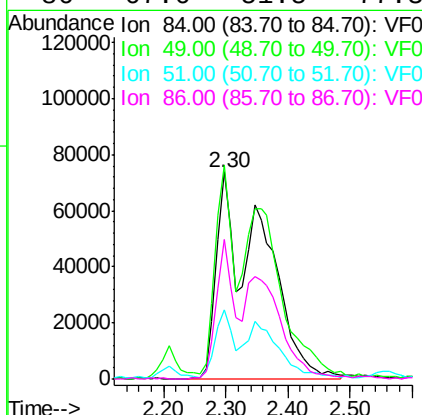
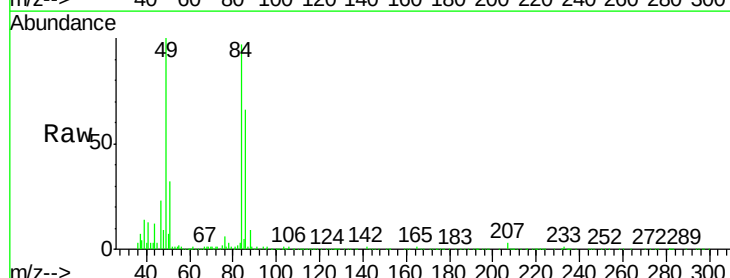
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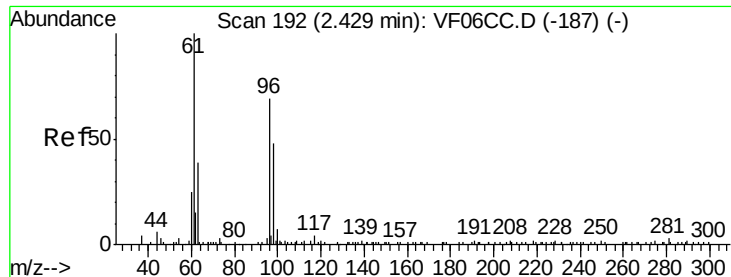
MMDadoda
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#20
Methylene Chloride
Concen: 54.853 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.1	82.6	123.8
51	33.3	25.0	37.4
86	67.6	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 51.493 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

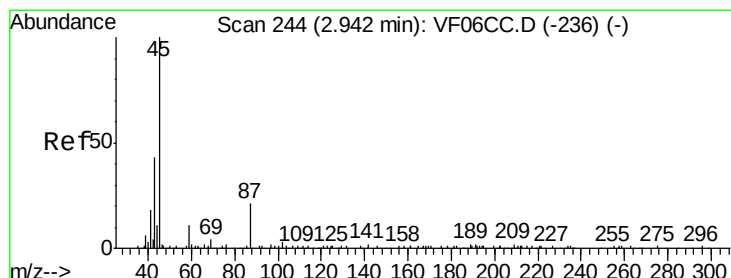
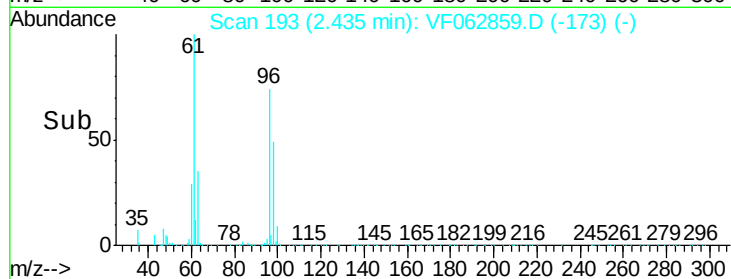
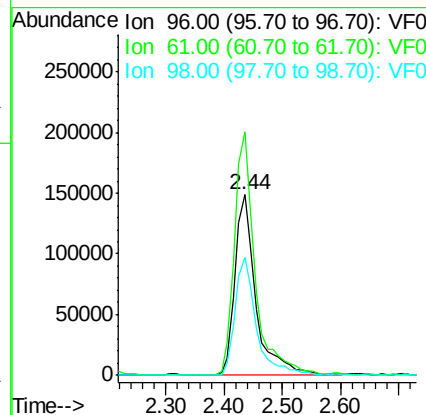
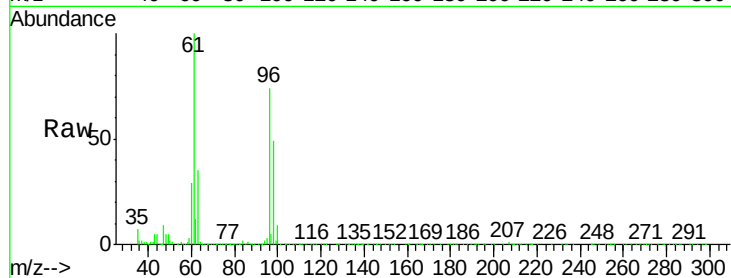
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	372867
Ion	Ratio	Lower	Upper
96	100		
61	134.8	105.0	157.6
98	65.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 49.723 ug/l

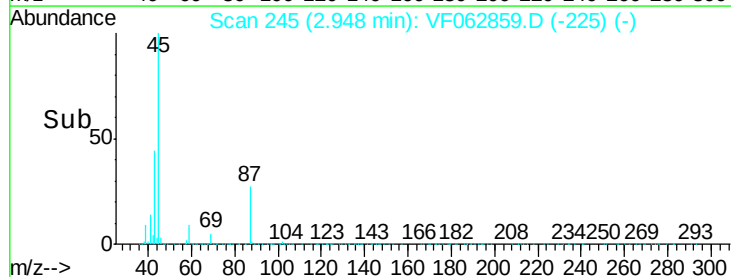
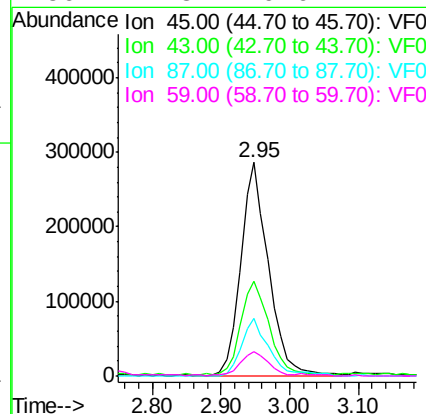
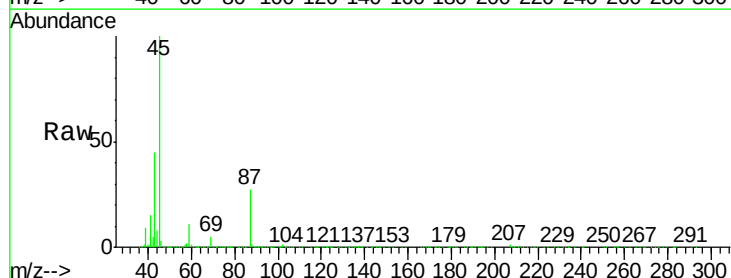
RT: 2.95 min Scan# 245

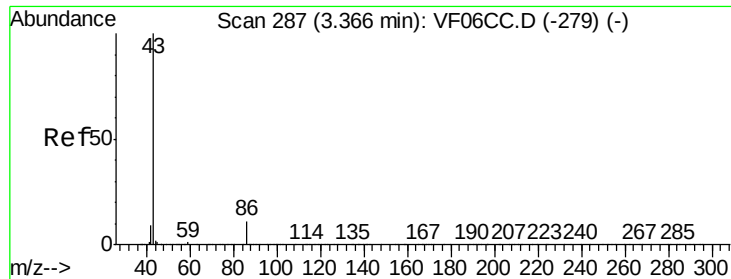
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	45	Resp:	791488
Ion	Ratio	Lower	Upper
45	100		
43	44.6	34.3	51.5
87	26.7	19.0	28.4
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 243.305 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tot Ion: 43 Resp: 2651422

Ion Ratio Lower Upper

43 100

86 11.1 8.2 12.2

Instrument :

MSVOA_F

ClientSampleId :

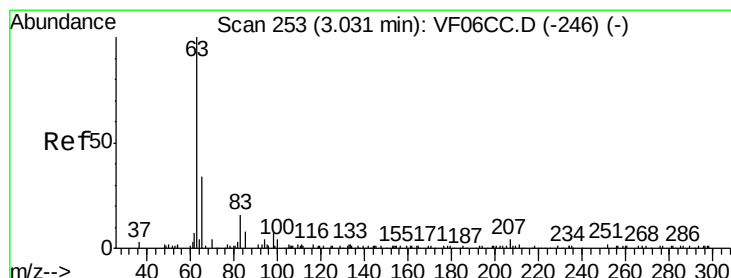
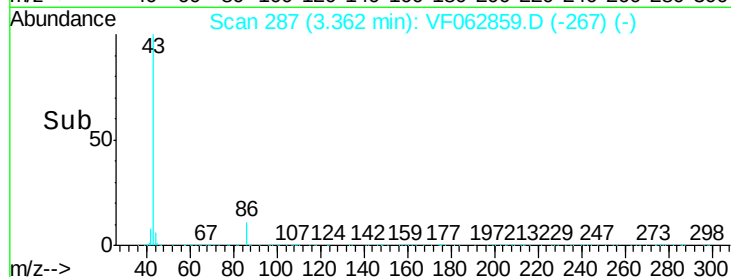
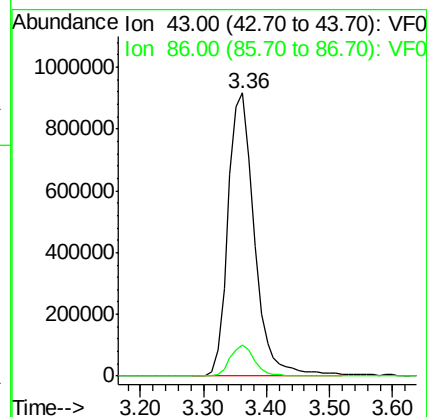
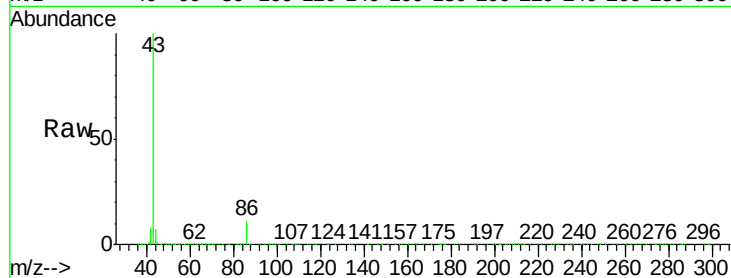
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 51.466 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

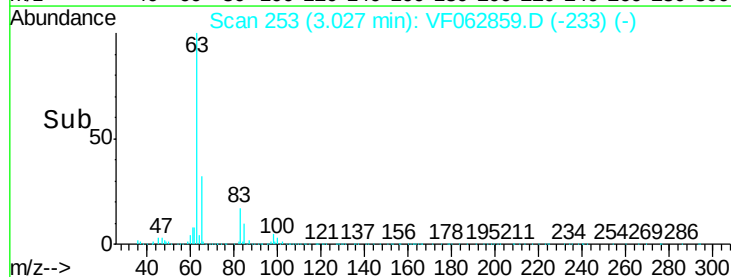
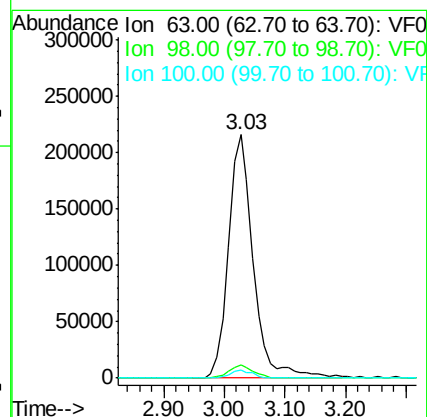
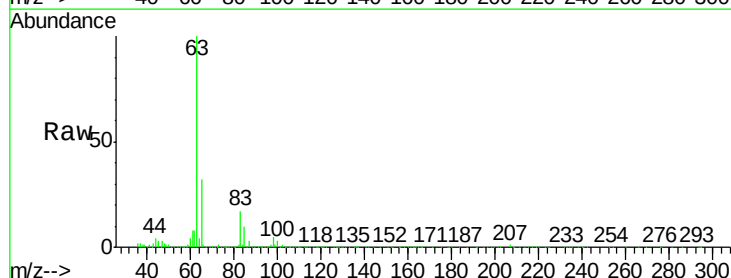
Tgt Ion: 63 Resp: 611667

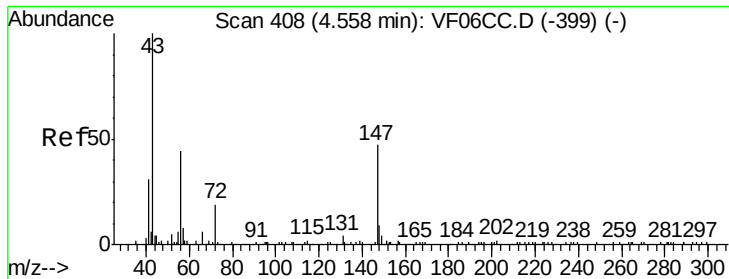
Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 237.617 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tot Ion: 43 Resp: 761123

Ion Ratio Lower Upper

43 100

72 25.1 21.4 32.0

Instrument :

MSVOA_F

ClientSampleId :

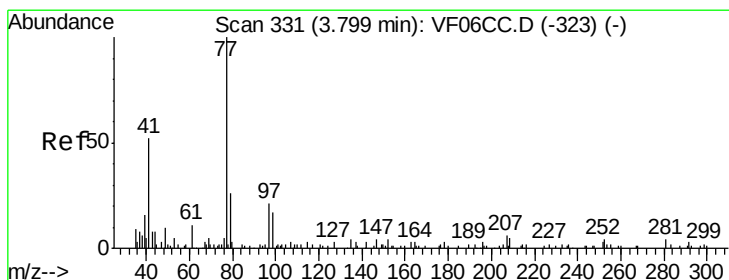
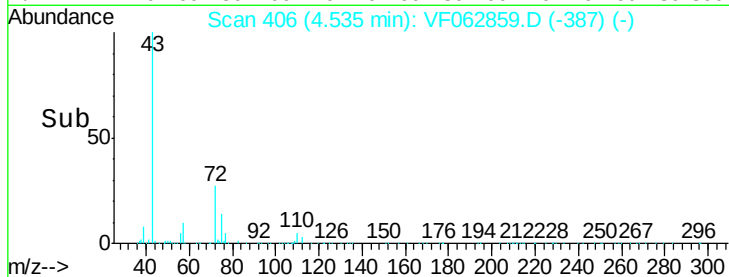
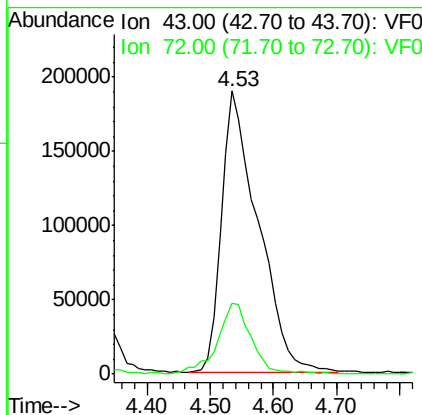
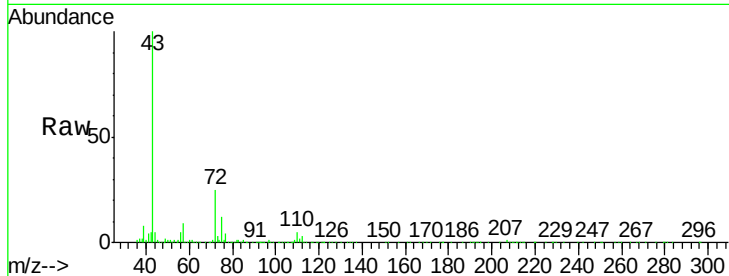
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 55.362 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062859.D

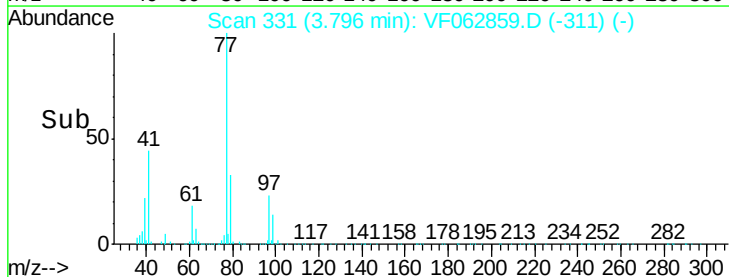
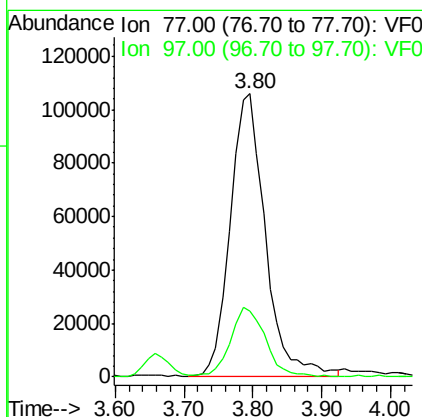
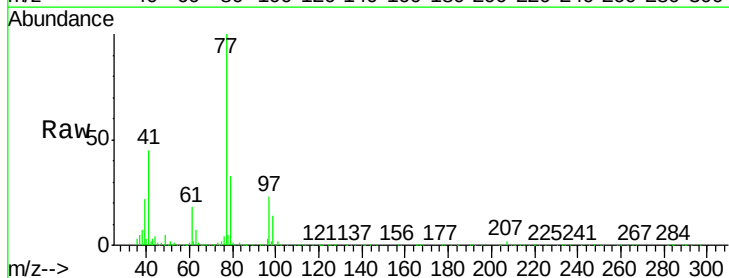
Acq: 5 Jun 2019 10:59

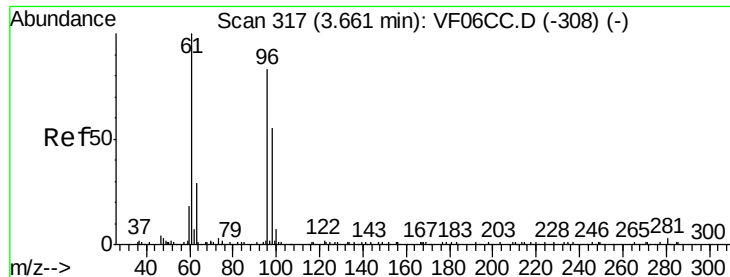
Tgt Ion: 77 Resp: 373598

Ion Ratio Lower Upper

77 100

97 23.2 12.4 37.4





#27

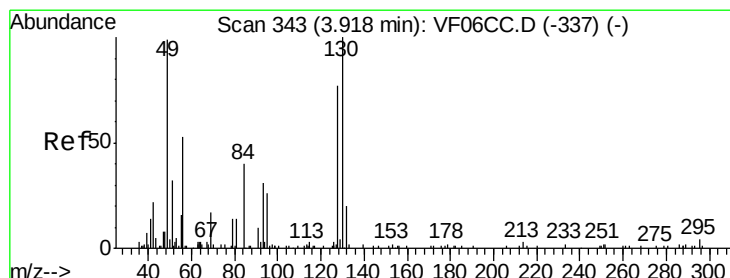
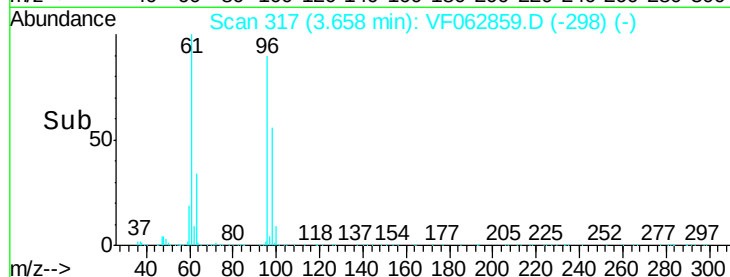
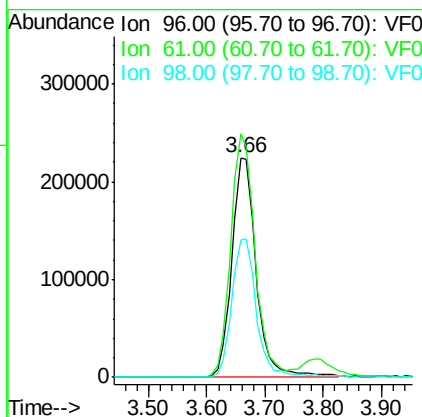
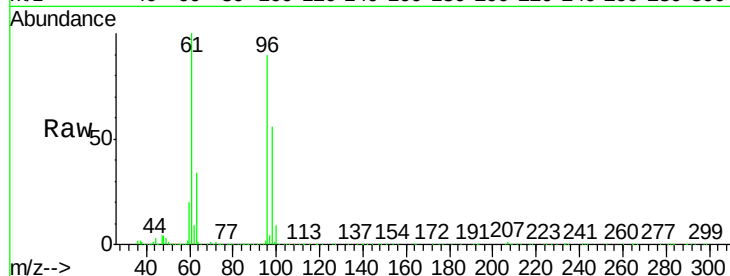
cis-1,2-Dichloroethene
Concen: 53.743 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	654154		
61	110.7		0.0	213.8
98	62.2		0.0	127.0

Manual Integrations
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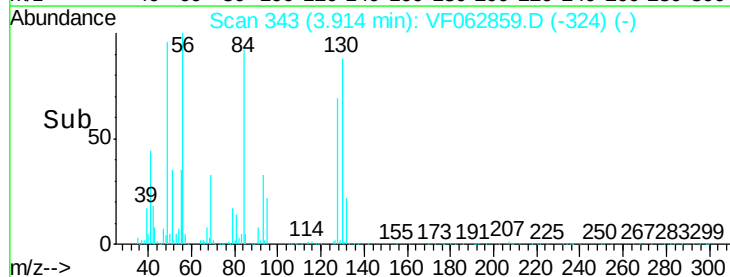
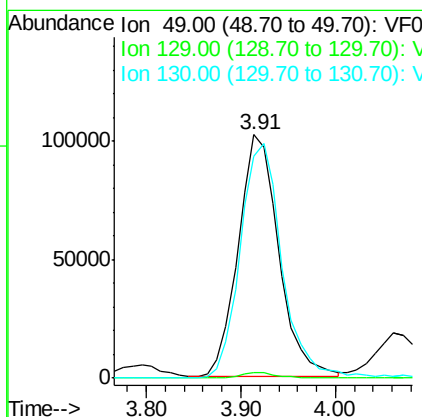
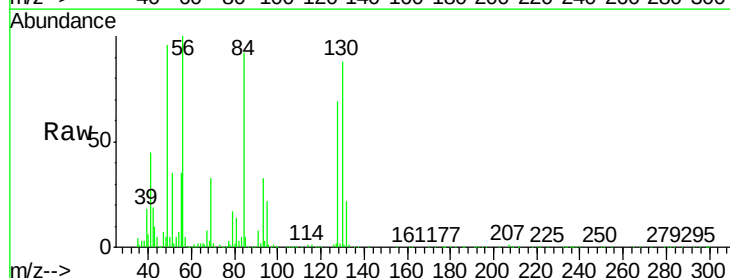
MMDadoda
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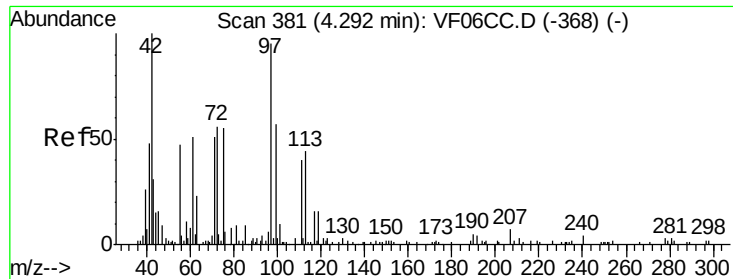


#28

Bromochloromethane
Concen: 47.209 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	305195		
129	2.4		0.0	5.4
130	91.4		79.2	118.8





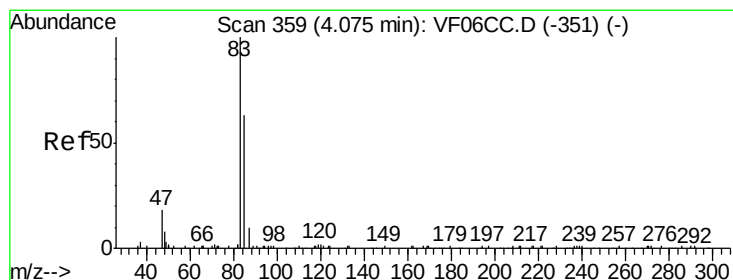
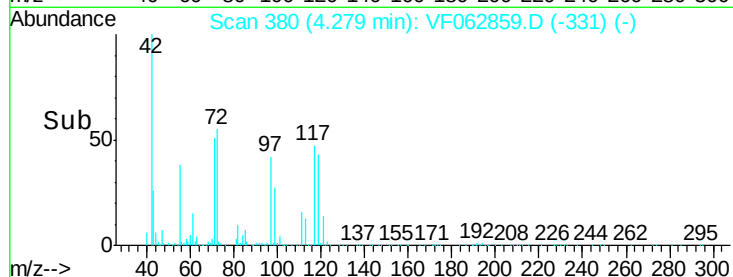
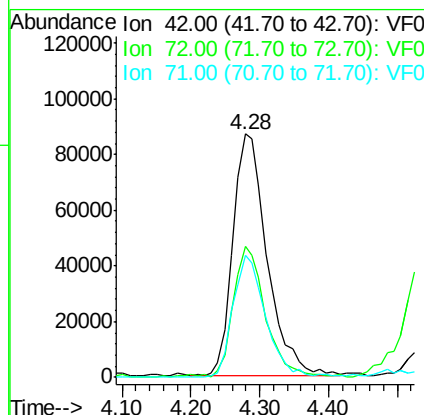
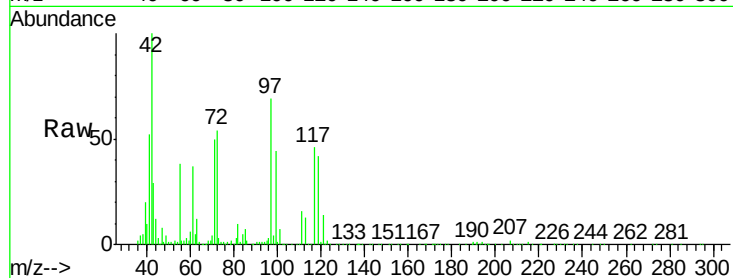
#29
Tetrahydrofuran
Concen: 242.778 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	39.0	58.6
71	48.1	36.9	55.3

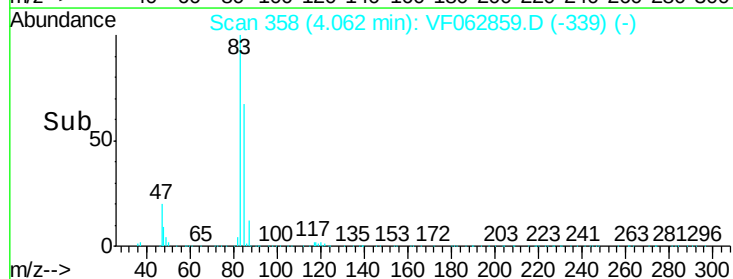
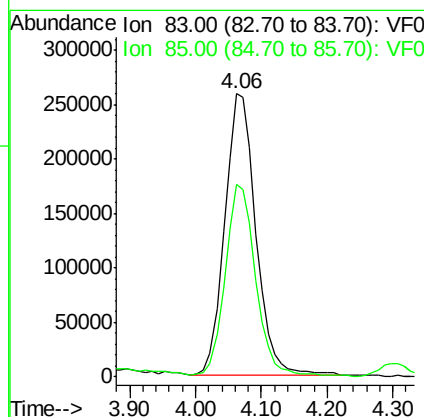
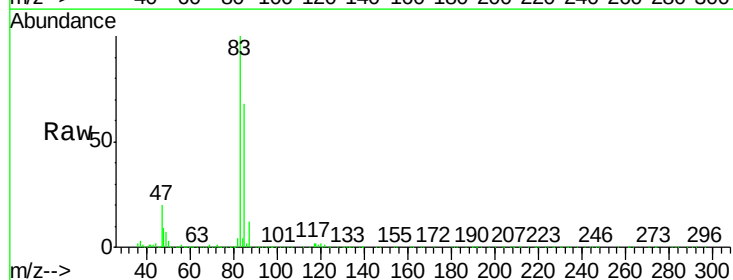
Manual Integrations
APPROVED

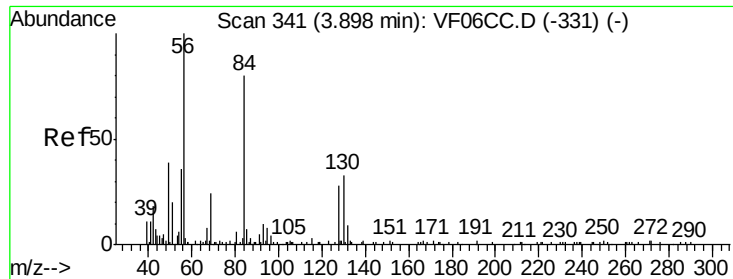
MMDadoda
6/6/2019 11:50:57 AM



#30
Chloroform
Concen: 50.928 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	55.0	82.6





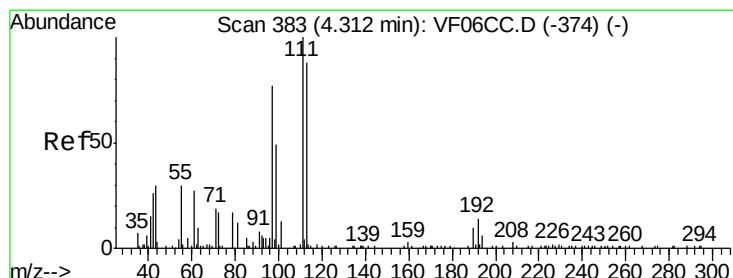
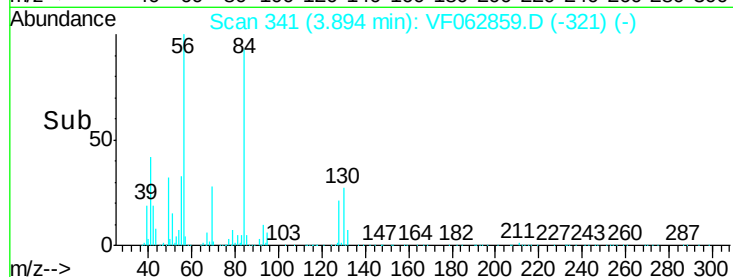
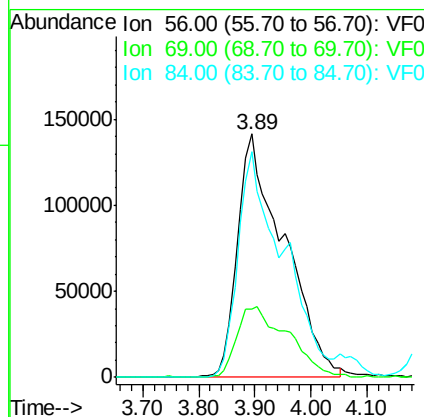
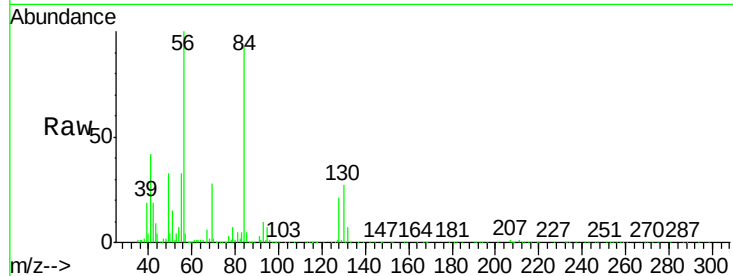
#31
Cyclohexane
Concen: 50.114 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	26.7	40.1
84	92.9	74.3	111.5

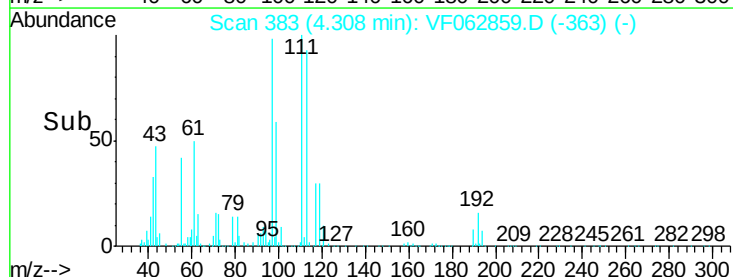
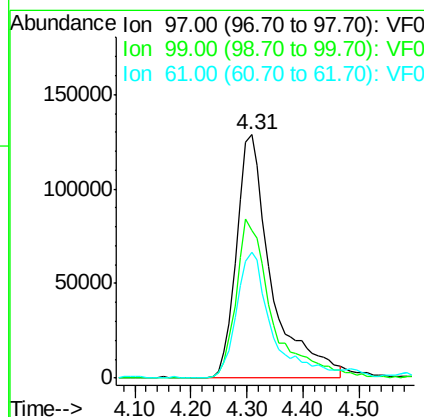
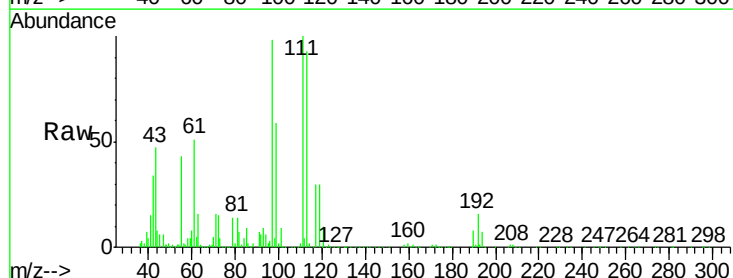
Manual Integrations
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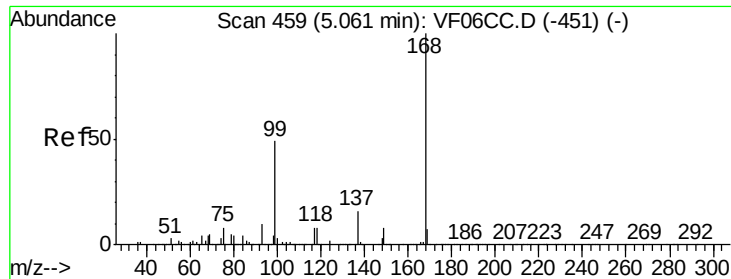
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#32
1,1,1-Trichloroethane
Concen: 57.271 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.4	51.7	77.5
61	51.8	38.9	58.3





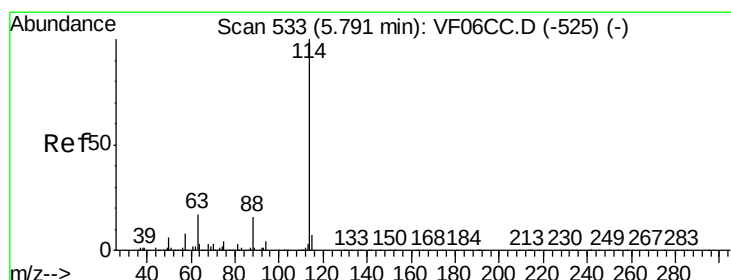
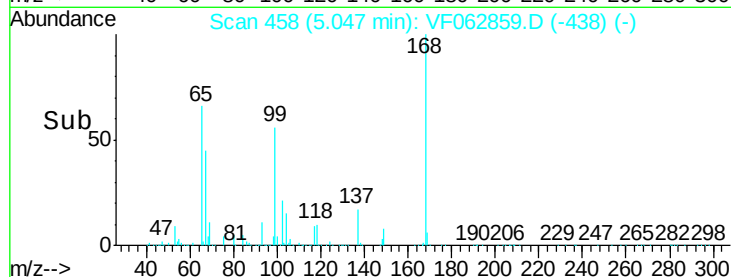
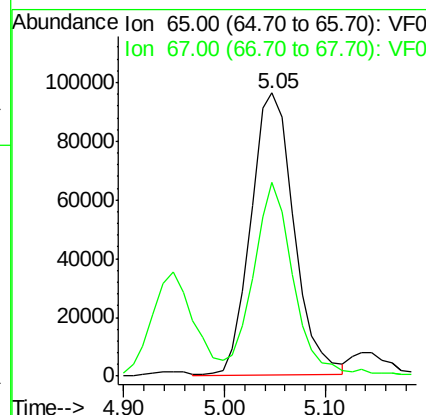
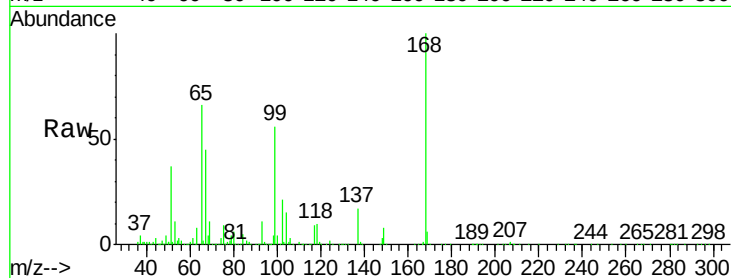
#33
 1,2-Dichloroethane-d4
 Concen: 47.686 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 286572
 Ion Ratio Lower Upper
 65 100
 67 68.5 0.0 121.2

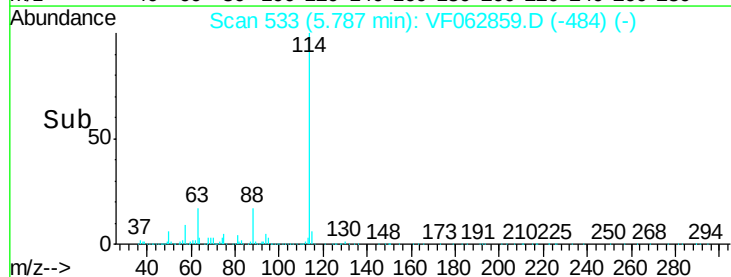
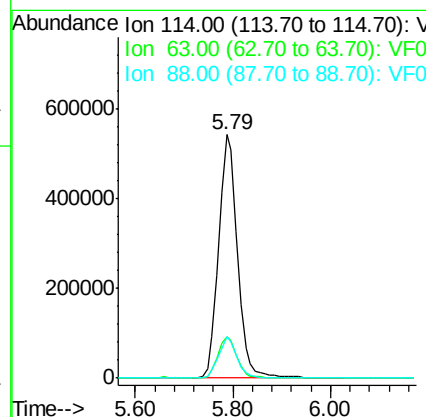
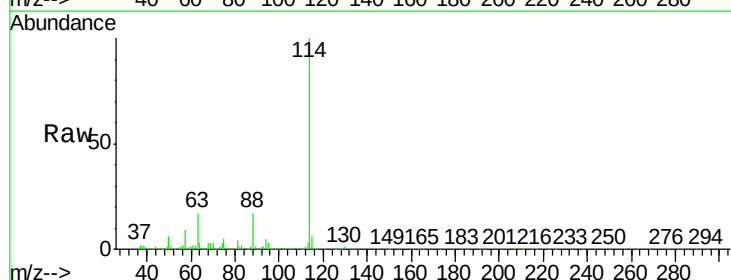
Manual Integrations
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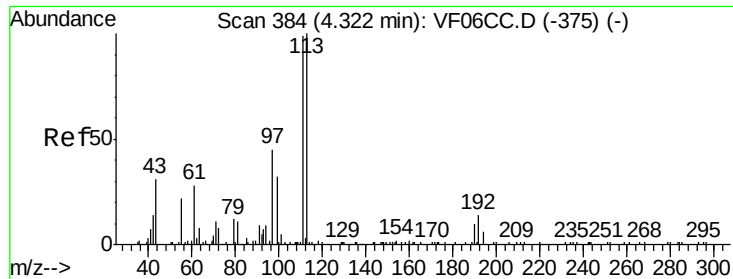
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 6/6/2019 11:50:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 114 Resp: 1462760
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.2
 88 17.2 0.0 31.2





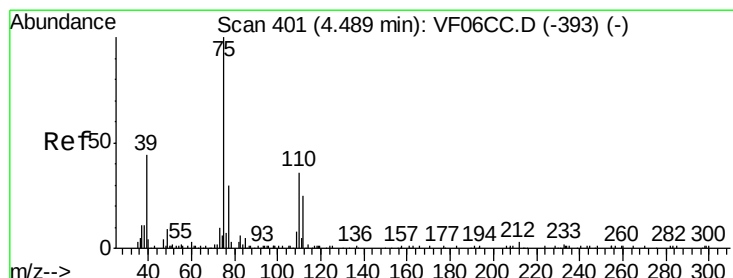
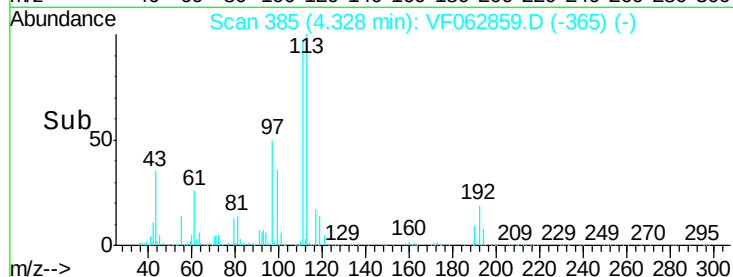
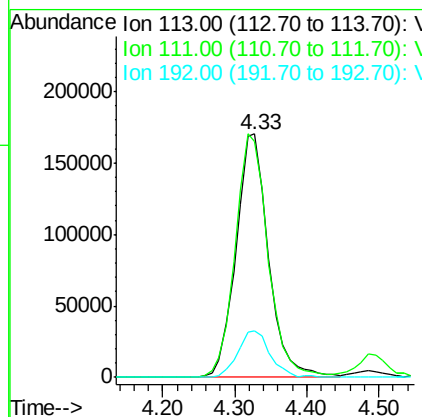
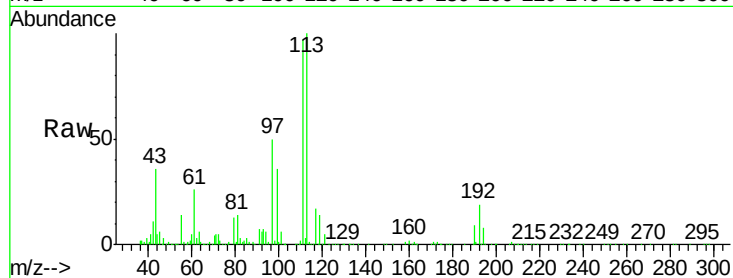
#35
Dibromofluoromethane
Concen: 48.487 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.9	81.9	122.9
192	19.3	15.1	22.7

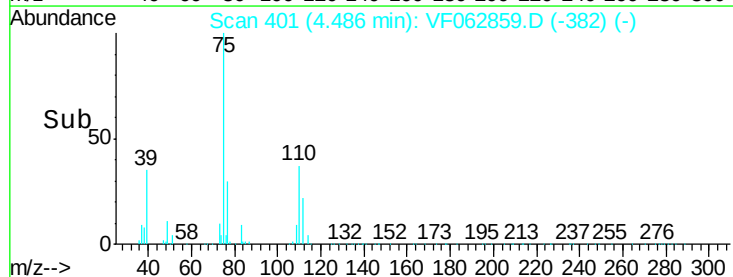
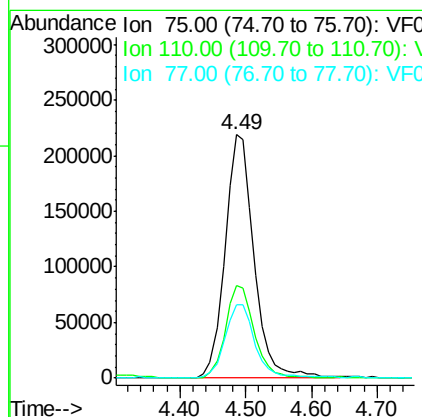
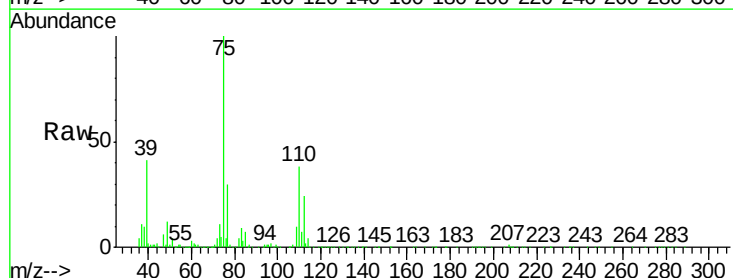
Manual Integrations
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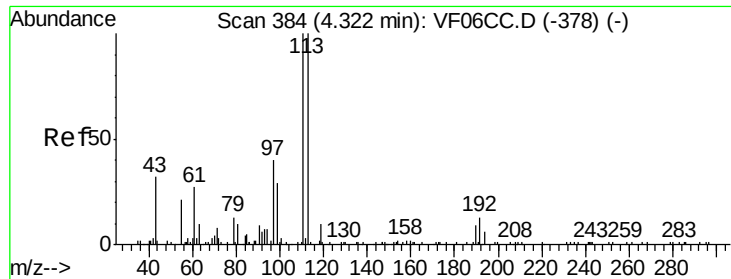
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#36
1,1-Dichloropropene
Concen: 49.999 ug/l
RT: 4.49 min Scan# 401
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.4	58.1
77	30.0	25.4	38.2





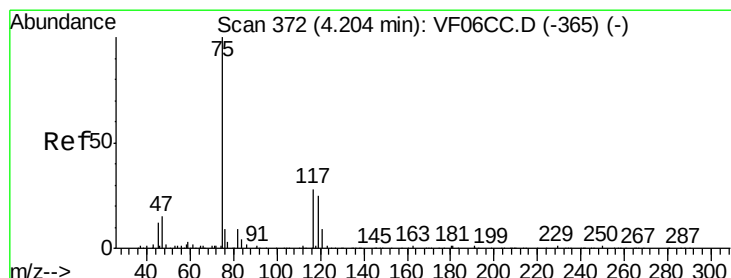
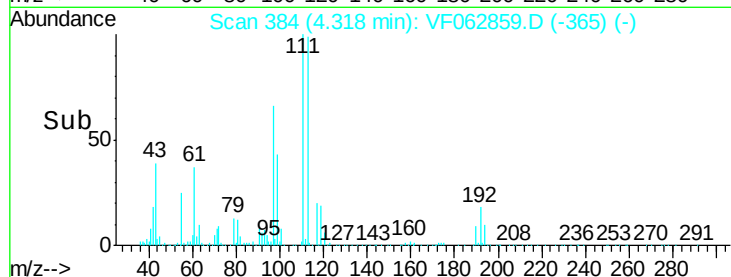
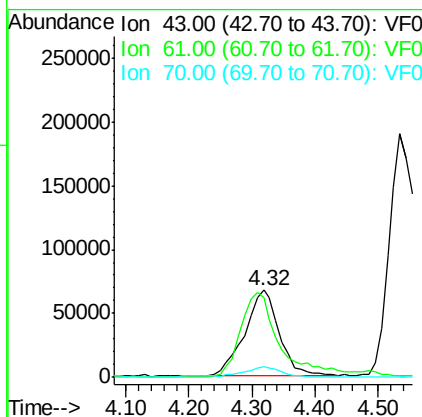
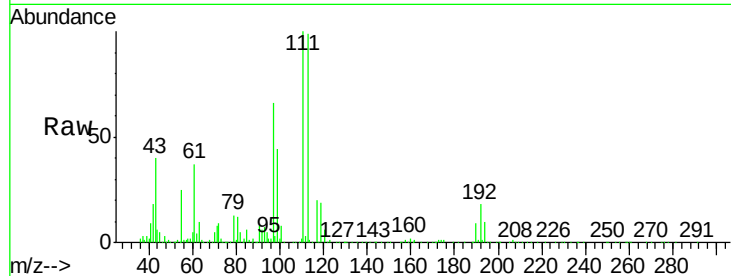
#37
Ethyl Acetate
Concen: 49.960 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	92.1	59.1	88.7#
70	11.7	10.1	15.1

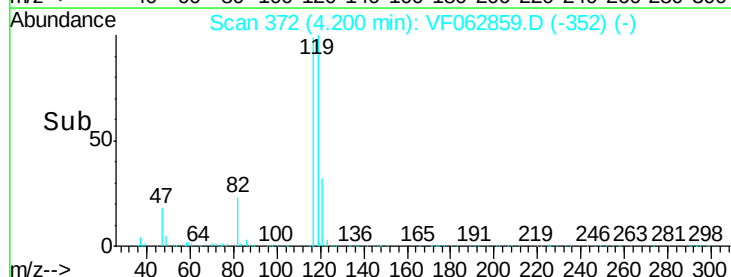
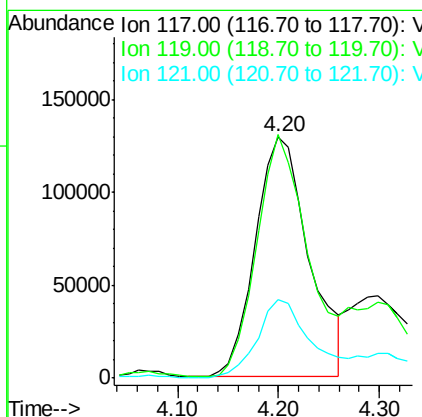
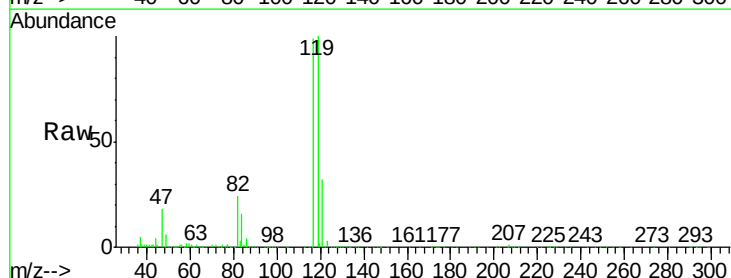
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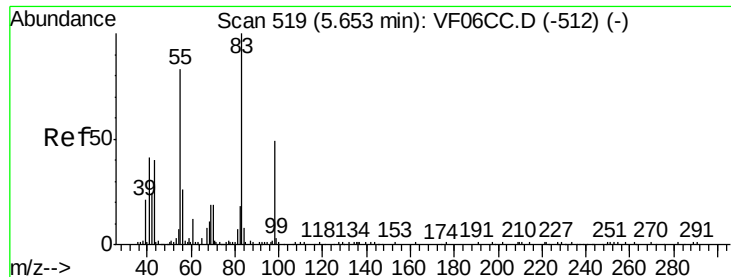
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#38
Carbon Tetrachloride
Concen: 52.757 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	78.2	117.2
121	32.6	28.2	42.2





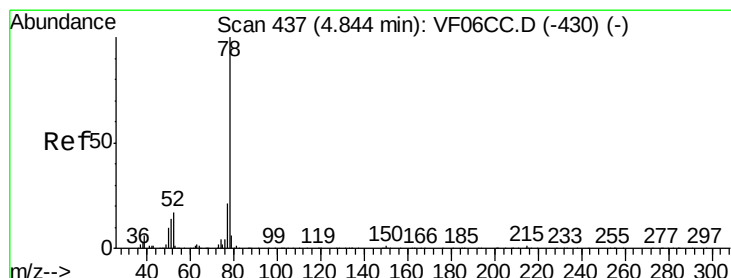
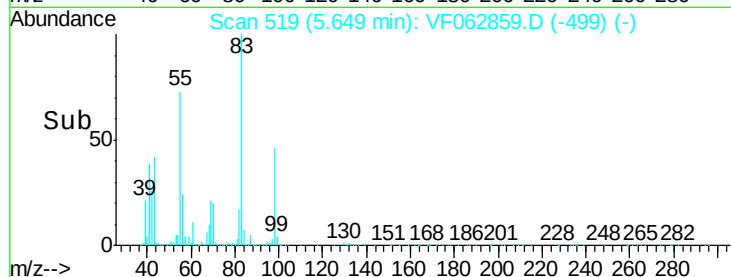
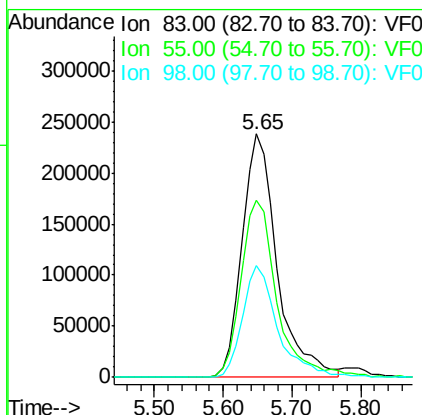
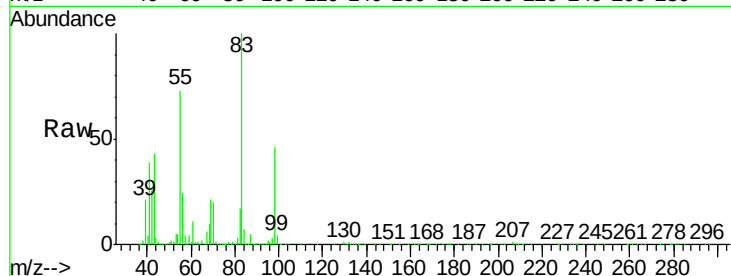
#39
Methylvlcyclohexane
Concen: 50.343 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	61.6	92.4
98	45.9	37.4	56.2

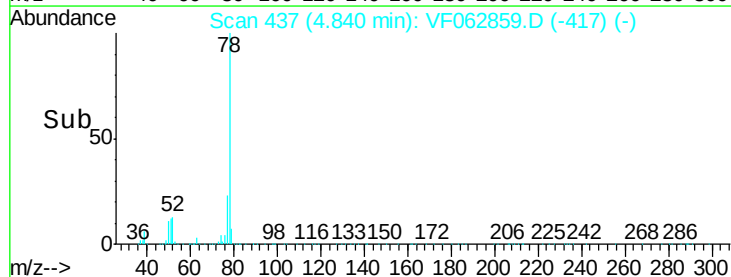
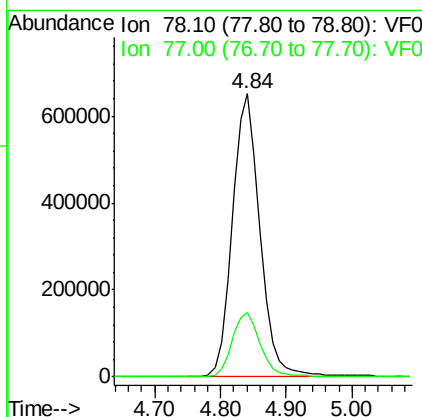
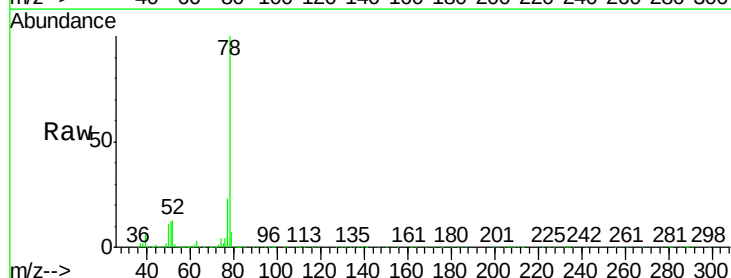
Manual Integrations
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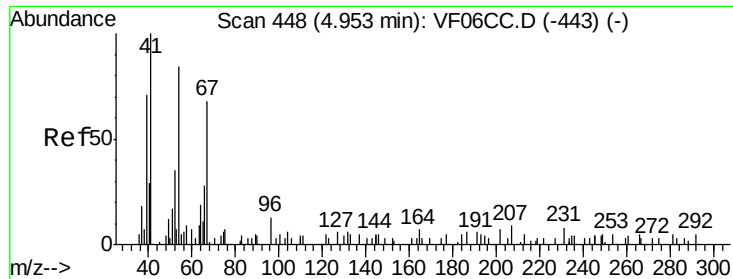
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#40
Benzene
Concen: 48.888 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3





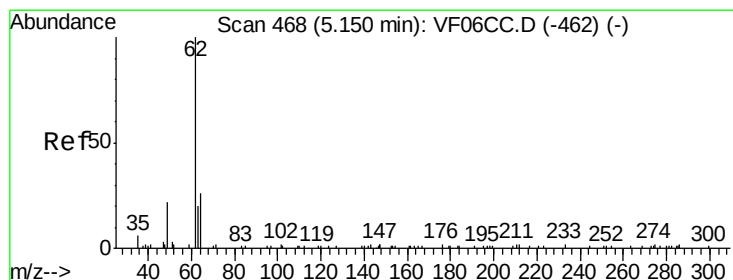
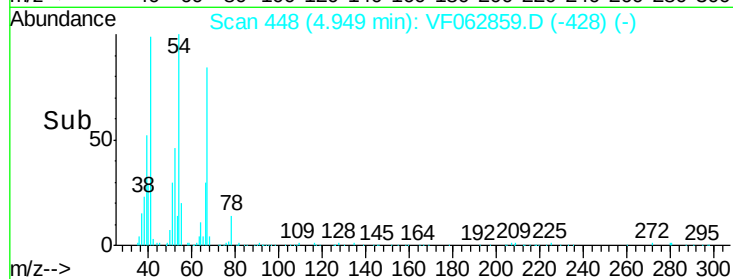
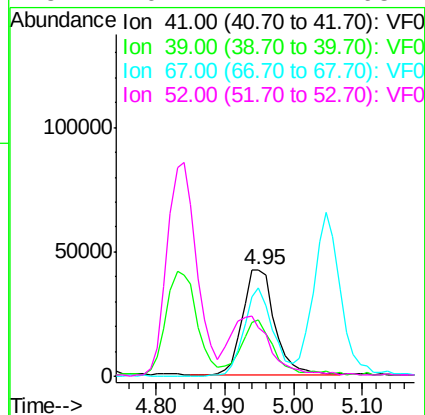
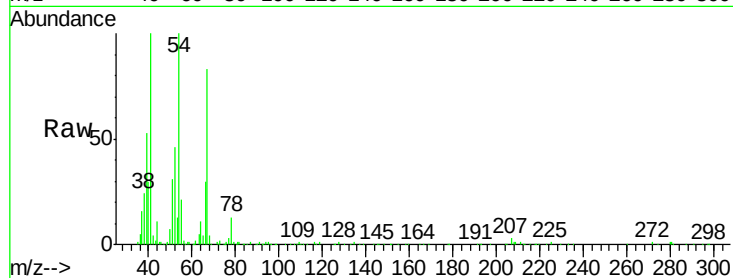
#41
Methacrylonitrile
Concen: 48.418 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.0	63.0
67	82.9	61.4	92.0
52	46.2	42.1	63.1

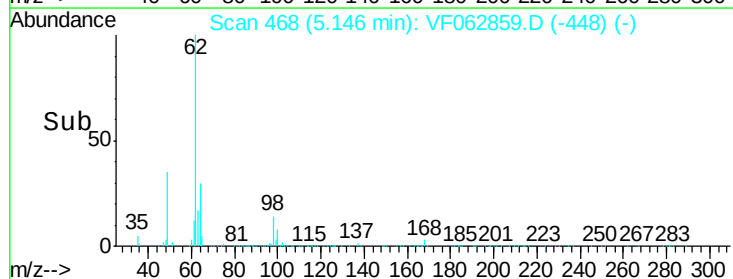
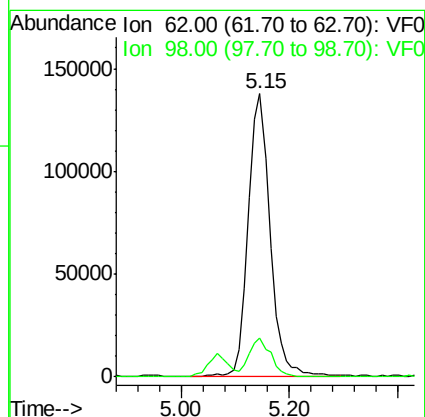
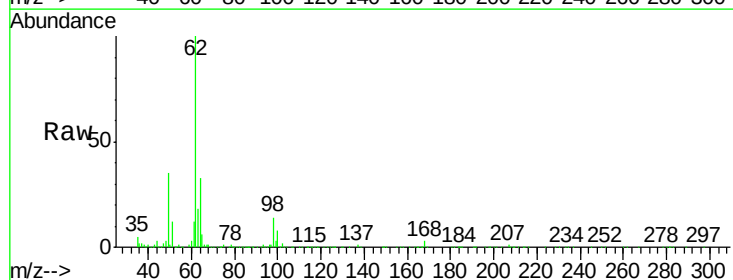
Manual Integrations
APPROVED

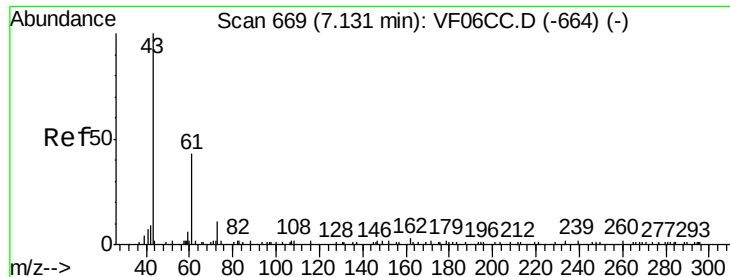
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#42
1,2-Dichloroethane
Concen: 52.187 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.7	0.0	24.0





#43

Isopropyl Acetate

Concen: 49.511 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

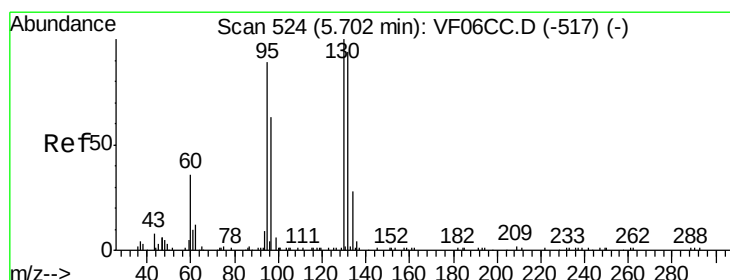
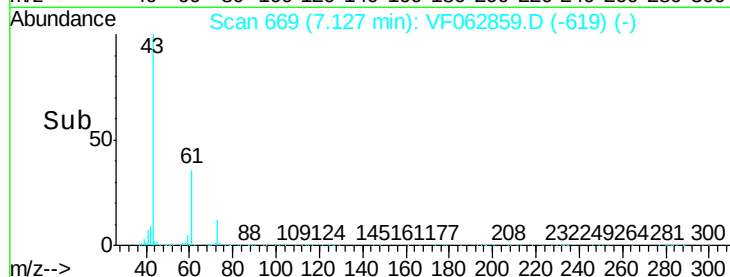
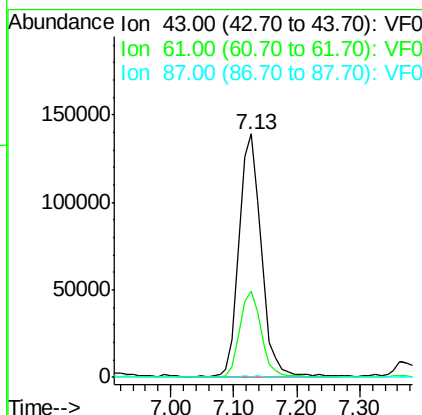
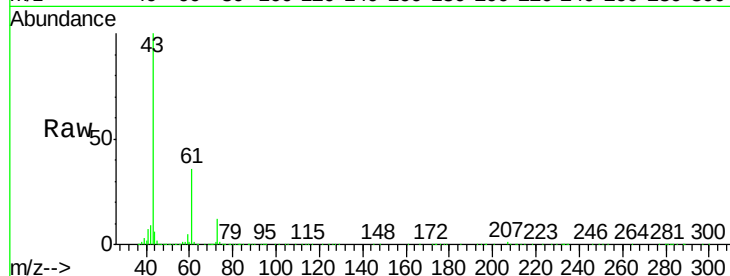
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	336679
Ion	Ratio	Lower	Upper
43	100		
61	35.7	29.8	44.6
87	0.3	0.3	0.5

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#44

Trichloroethene

Concen: 49.927 ug/l

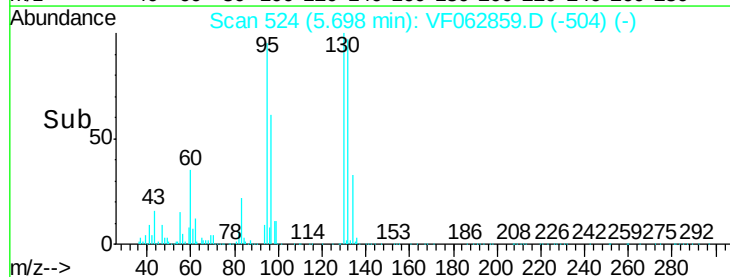
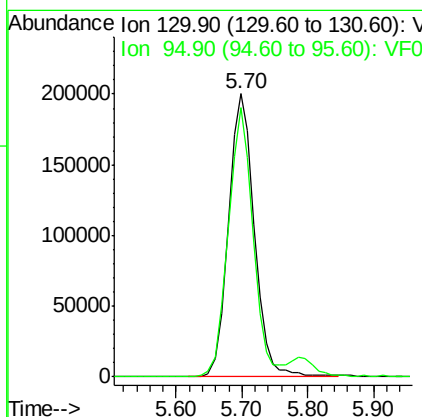
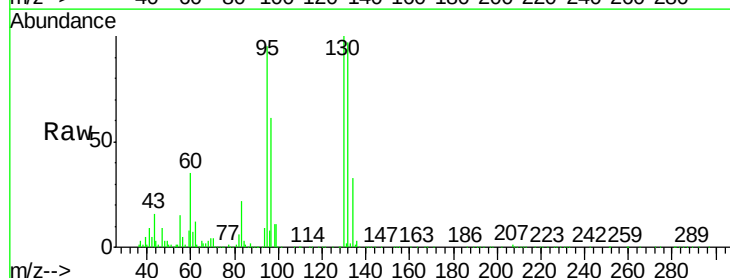
RT: 5.70 min Scan# 524

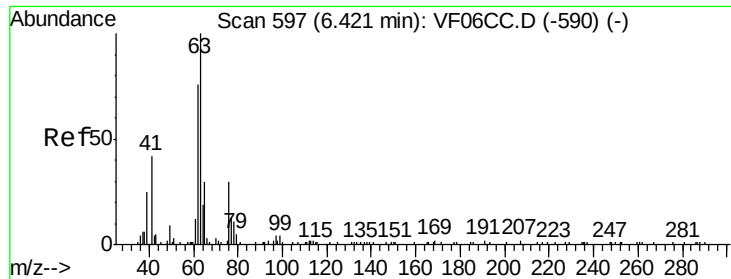
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	130	Resp:	552227
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	188.2





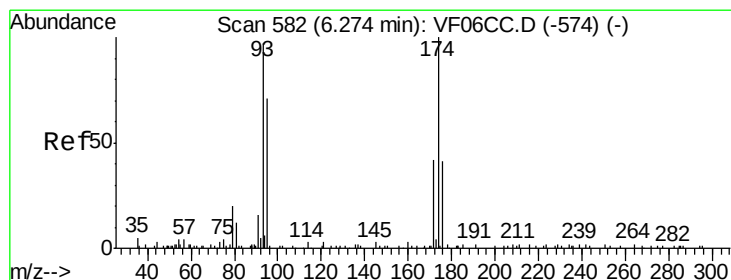
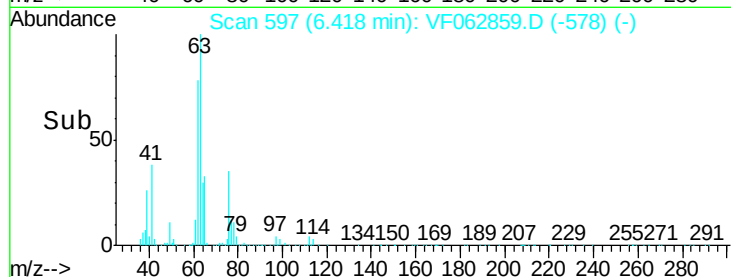
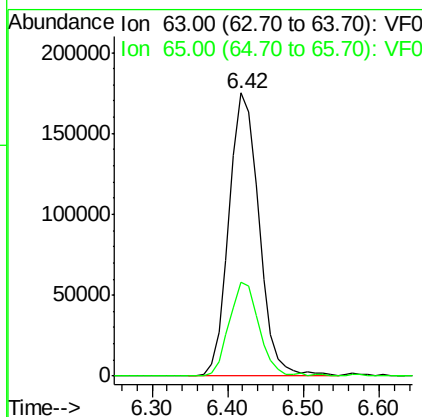
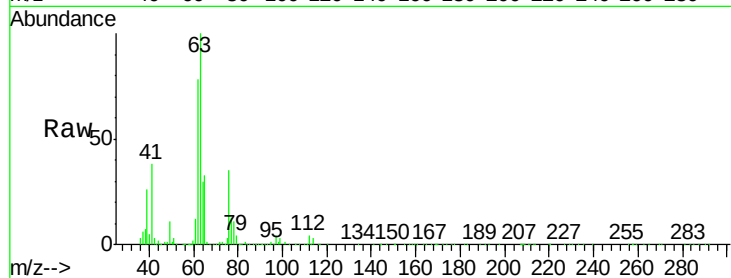
#45
 1,2-Dichloropropane
 Concen: 48.693 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.2	36.2

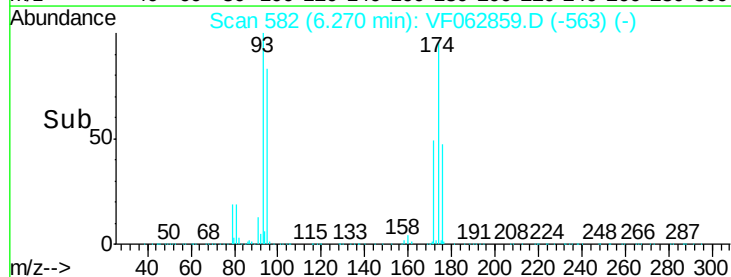
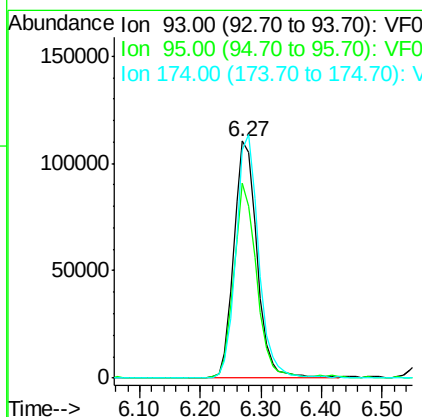
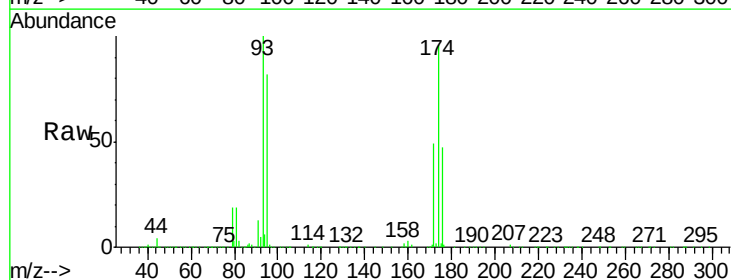
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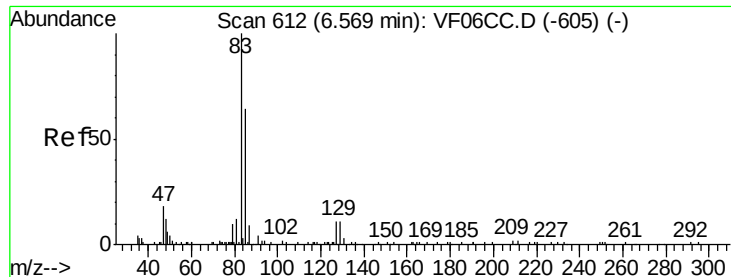
MMDadoda
 6/6/2019 11:50:57 AM



#46
 Dibromomethane
 Concen: 51.187 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.9	101.9
174	96.4	85.0	127.4





#47

Bromodichloromethane

Concen: 50.182 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

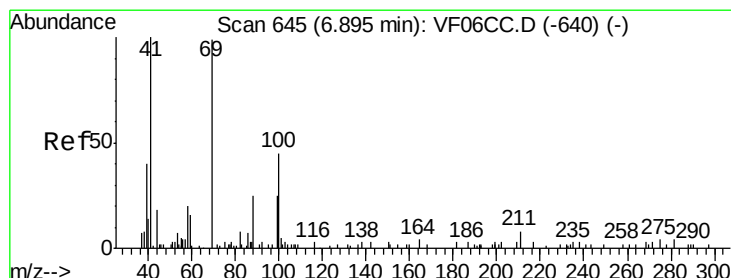
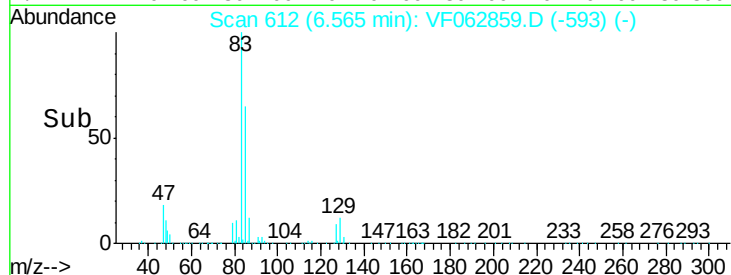
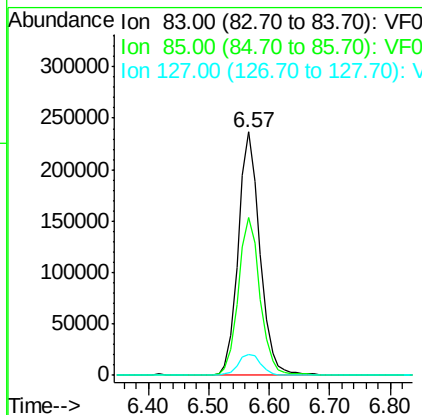
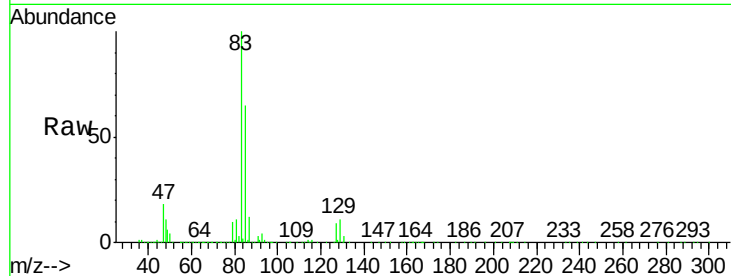
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	586826
Ion Ratio	Lower	Upper	
83	100		
85	65.0	54.2	81.4
127	8.8	7.0	10.4

Manual Integrations
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MMDadoda
6/6/2019 11:50:57 AM



#48

Methyl methacrylate

Concen: 48.029 ug/l

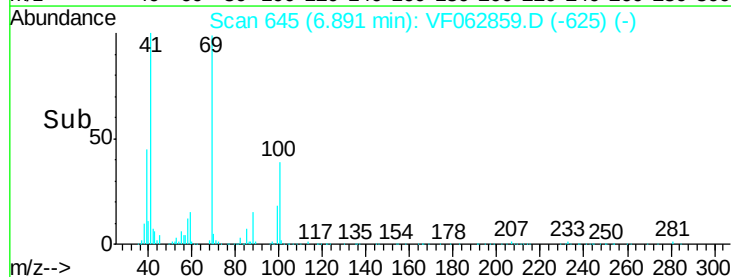
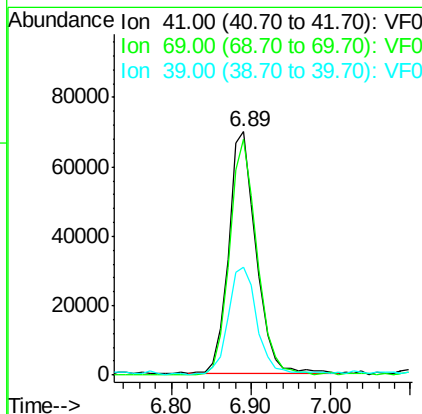
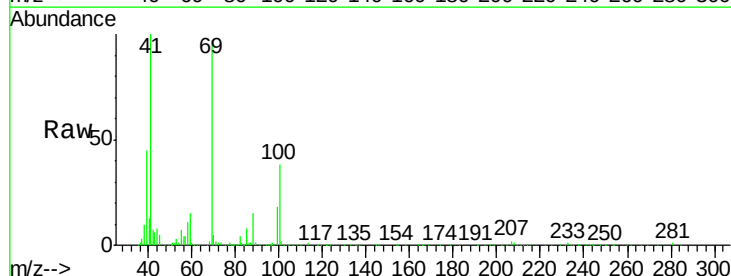
RT: 6.89 min Scan# 645

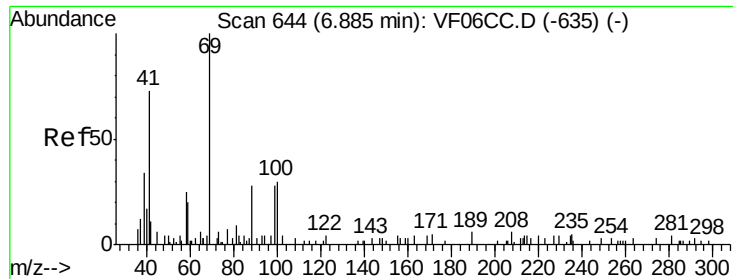
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	41	Resp:	168317
Ion Ratio	Lower	Upper	
41	100		
69	97.0	79.4	119.2
39	44.6	39.8	59.6





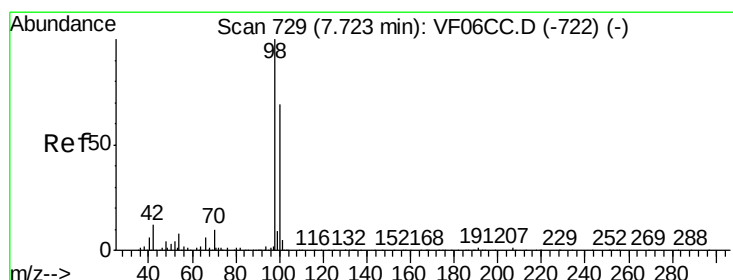
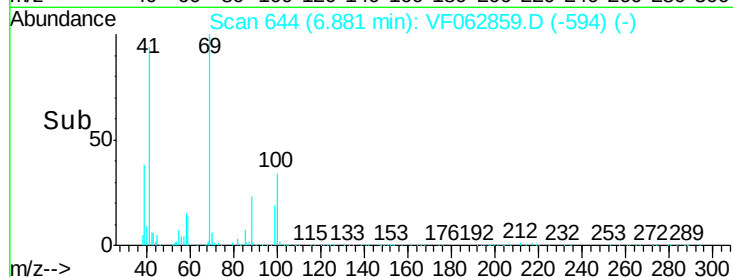
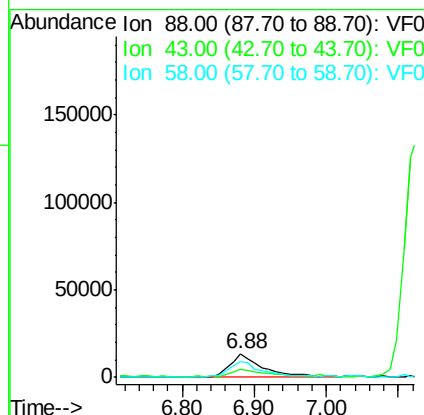
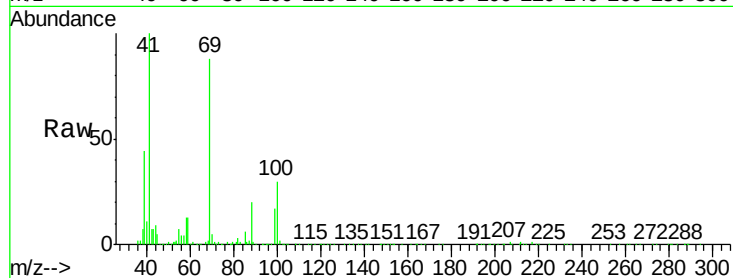
#49
1,4-Dioxane
Concen: 921.111 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	34.8	52.2#
58	66.2	59.9	89.9

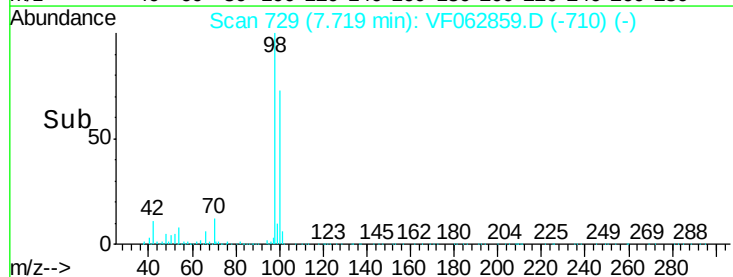
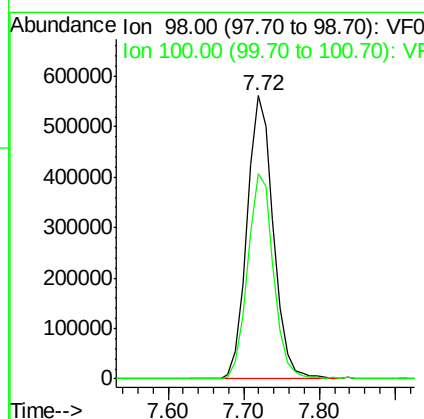
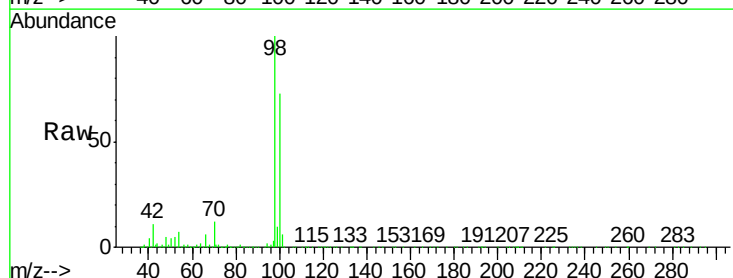
Manual Integrations
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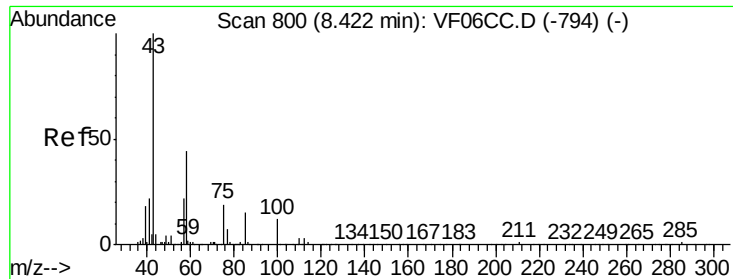
MMDadoda
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#50
Toluene-d8
Concen: 48.447 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.8	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 264.421 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1283711

Ion Ratio Lower Upper

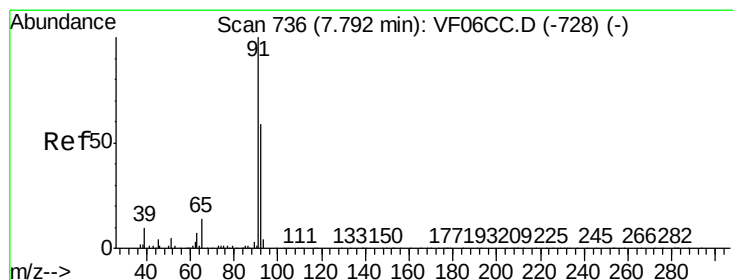
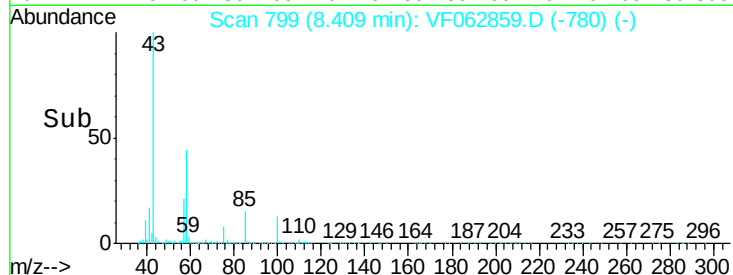
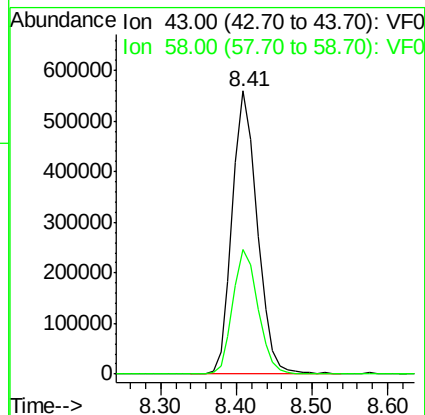
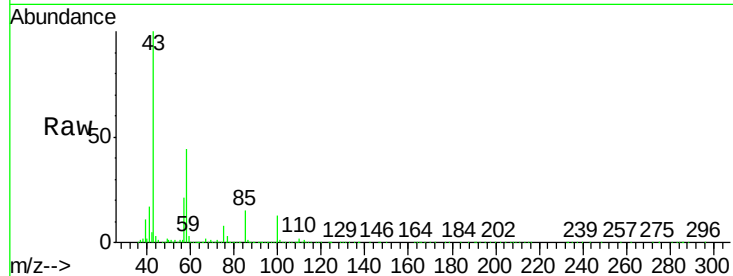
43 100

58 44.1 35.5 53.3

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#52

Toluene

Concen: 51.391 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062859.D

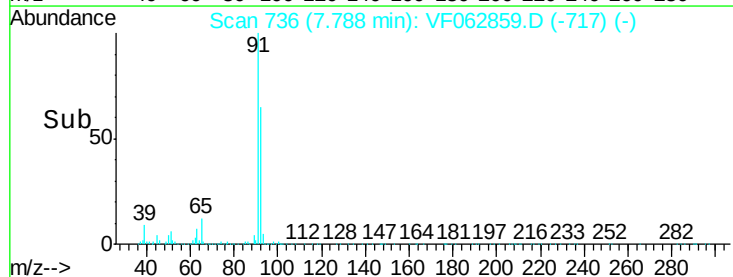
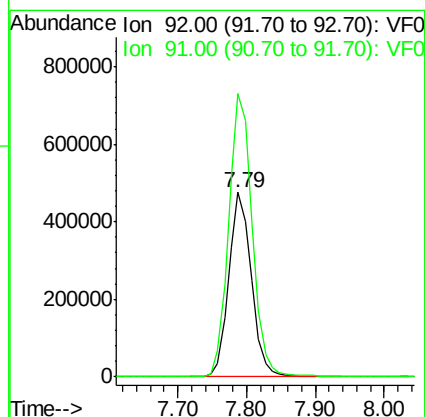
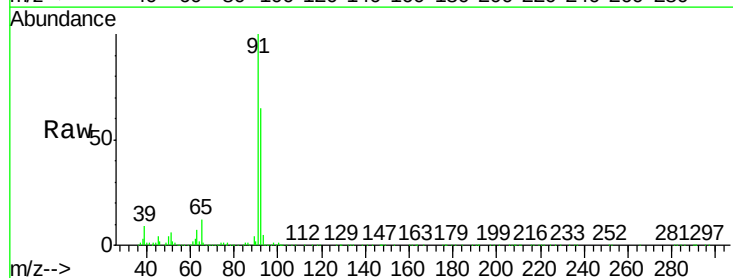
Acq: 5 Jun 2019 10:59

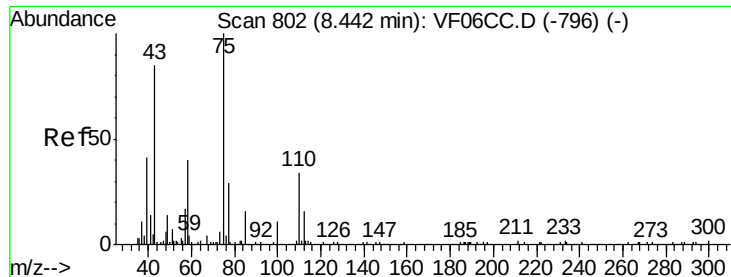
Tgt Ion: 92 Resp: 1084800

Ion Ratio Lower Upper

92 100

91 153.2 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 50.295 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 487368

Ion Ratio Lower Upper

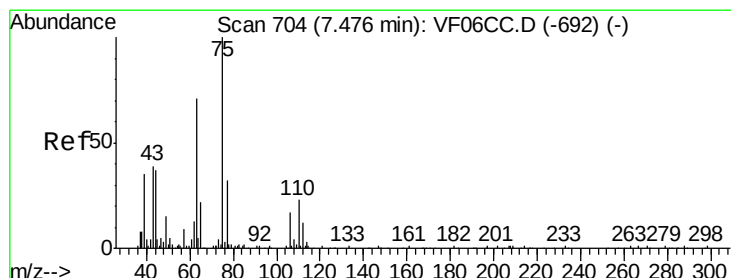
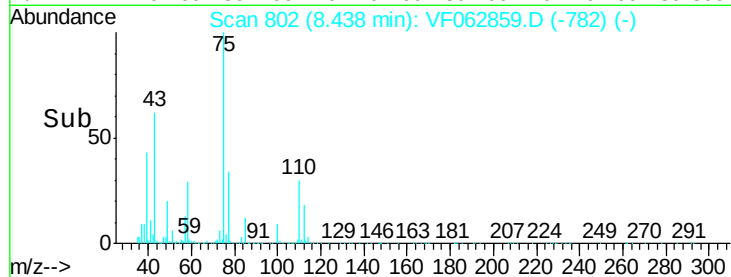
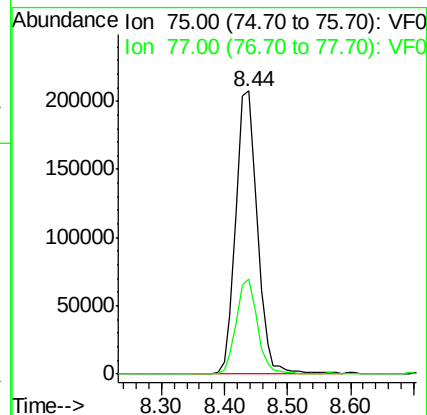
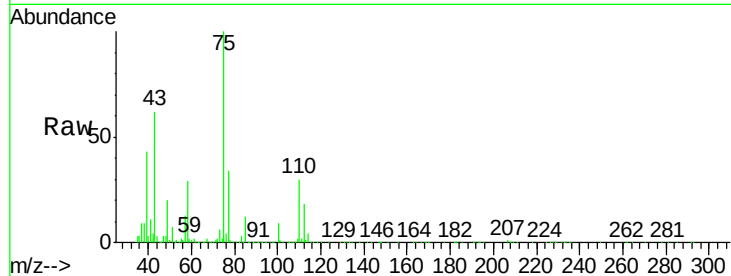
75 100

77 33.6 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 49.279 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

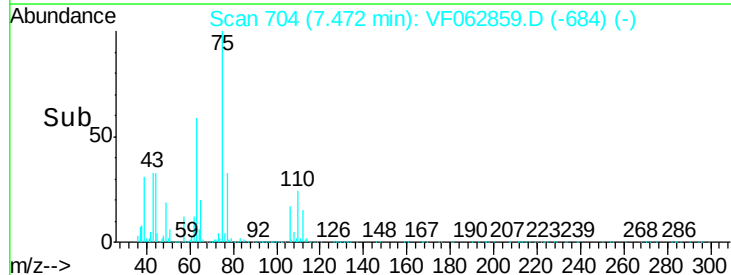
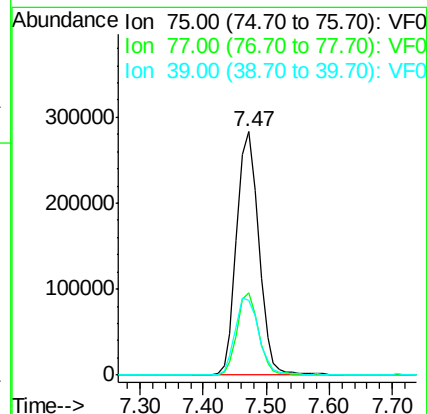
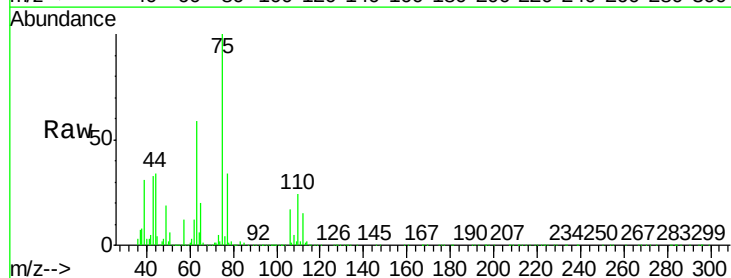
Tgt Ion: 75 Resp: 691219

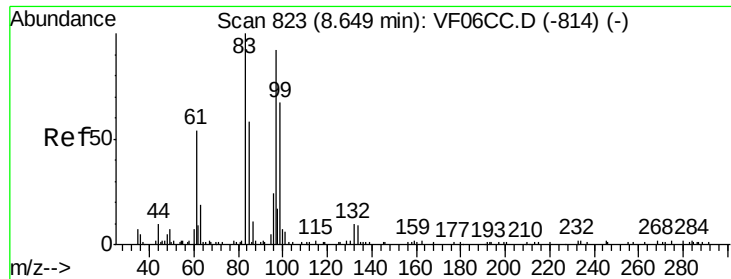
Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.8

39 30.7 28.4 42.6





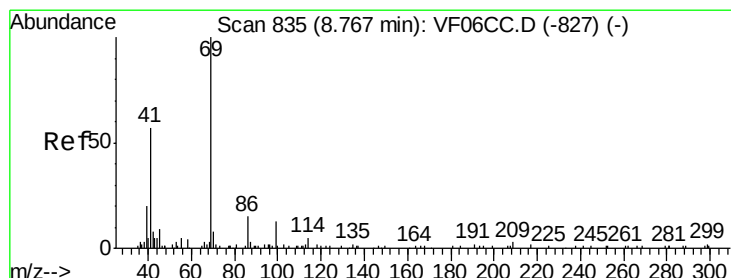
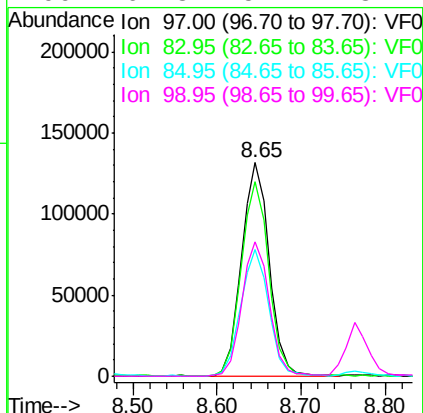
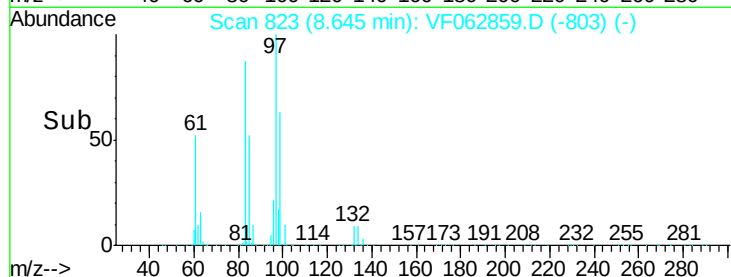
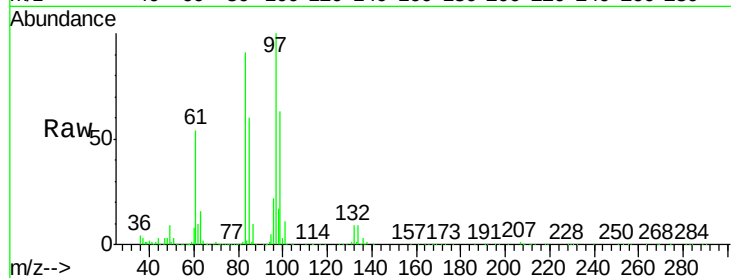
#55
 1,1,2-Trichloroethane
 Concen: 48.043 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.0	108.0
85	59.5	47.5	71.3
99	62.8	54.1	81.1

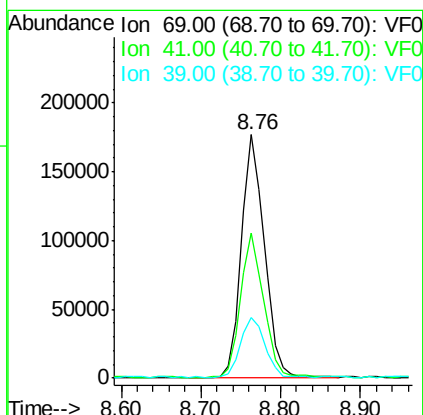
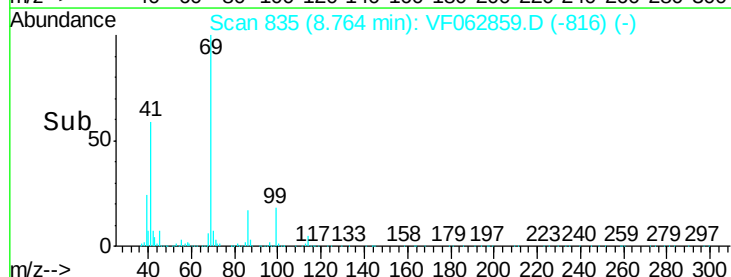
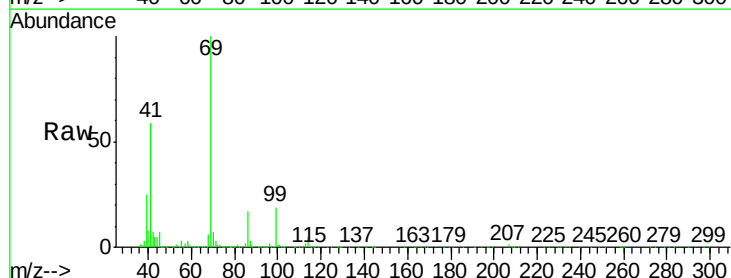
Manual Integrations
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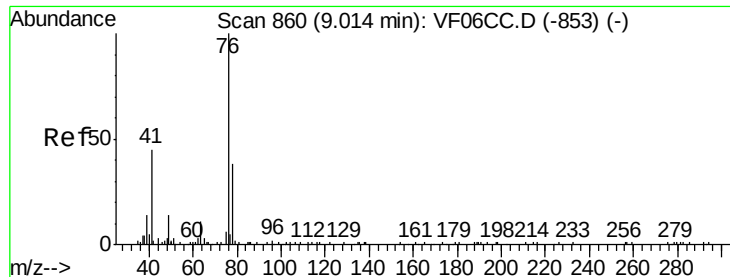
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#56
 Ethyl methacrylate
 Concen: 52.522 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.02 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.3	46.6	69.8
39	24.8	19.6	29.4





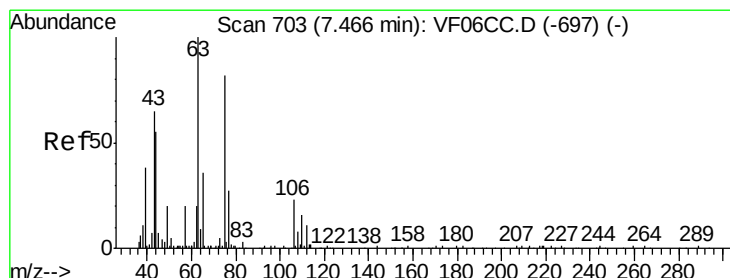
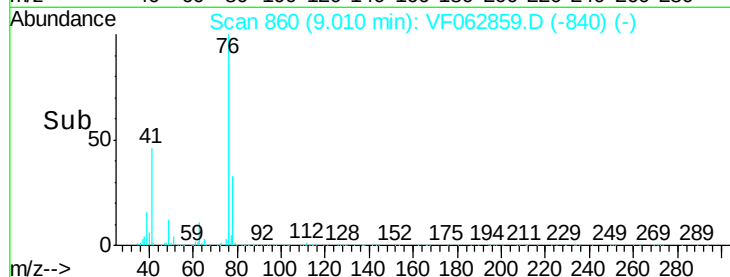
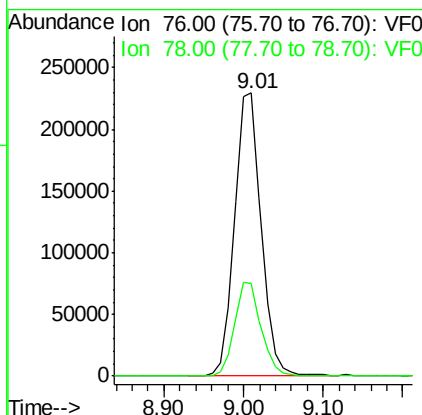
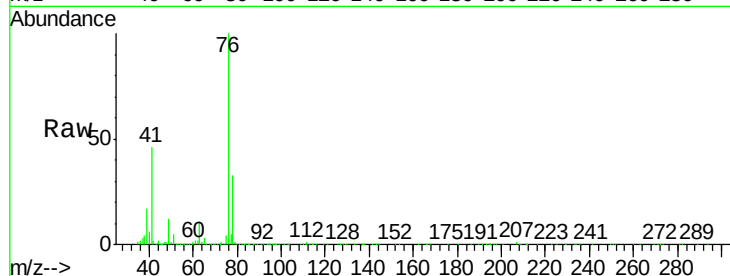
#57
 1,3-Dichloropropane
 Concen: 51.936 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.8	40.2

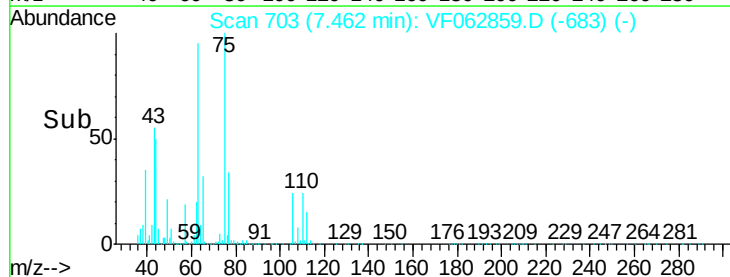
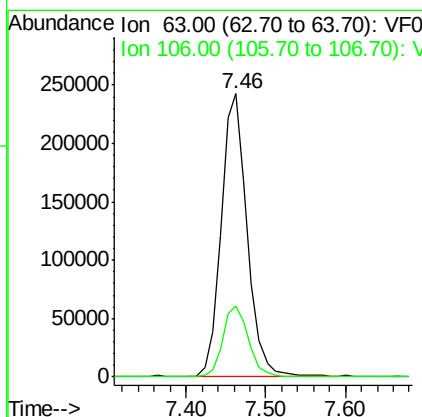
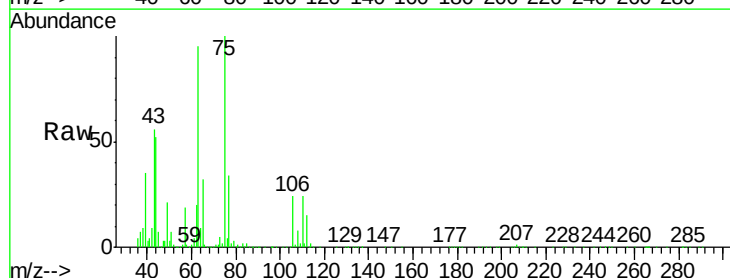
Manual Integrations
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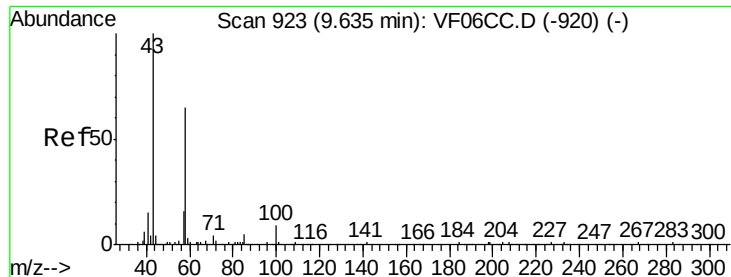
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.033 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.5	29.3





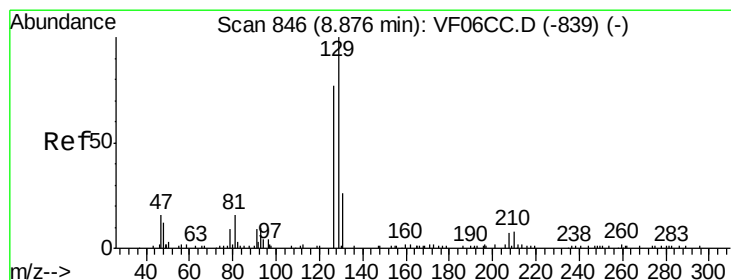
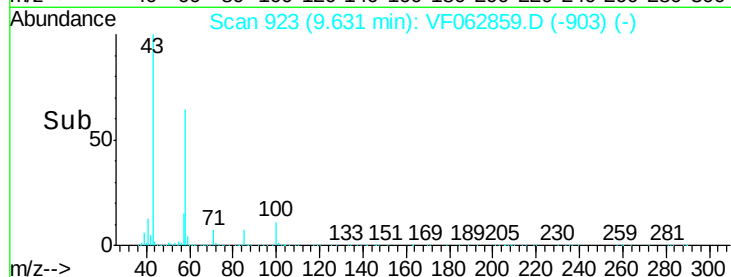
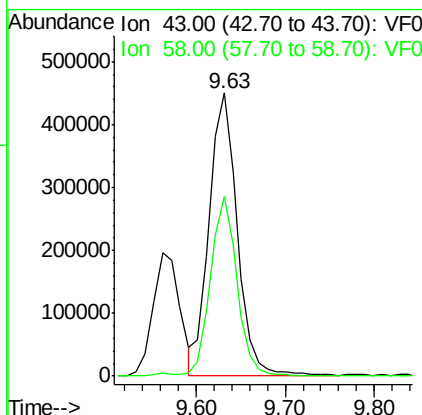
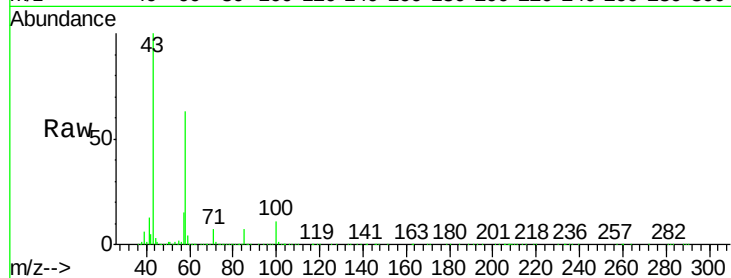
#59
2-Hexanone
Concen: 283.293 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 980294
Ion Ratio Lower Upper
43 100
58 63.5 29.3 87.9

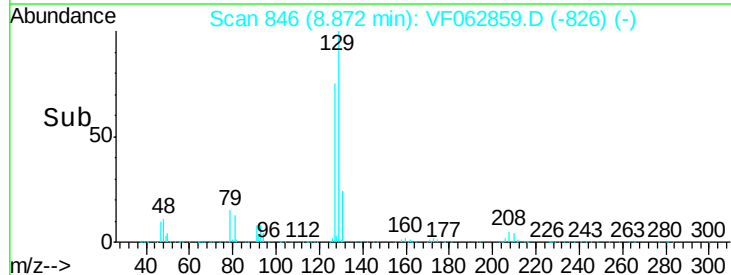
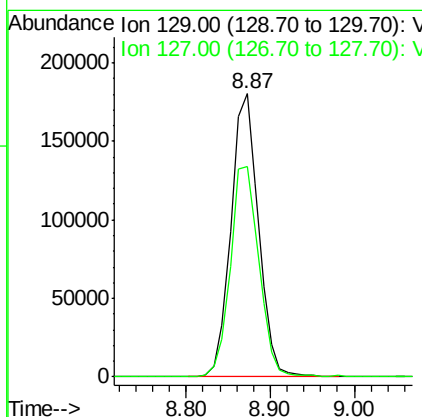
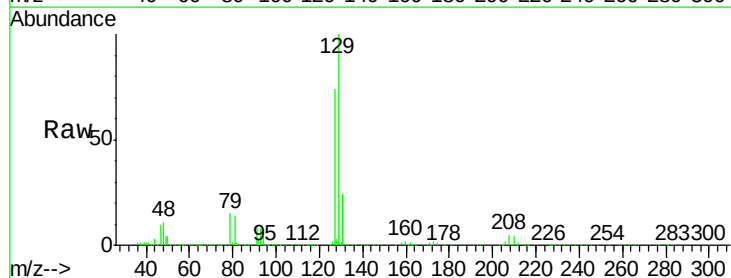
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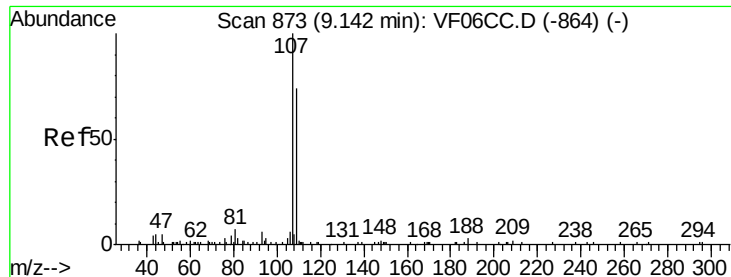
MMDadoda
6/6/2019 11:50:57 AM



#60
Dibromochloromethane
Concen: 52.479 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion: 129 Resp: 409726
Ion Ratio Lower Upper
129 100
127 74.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 51.023 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 334167

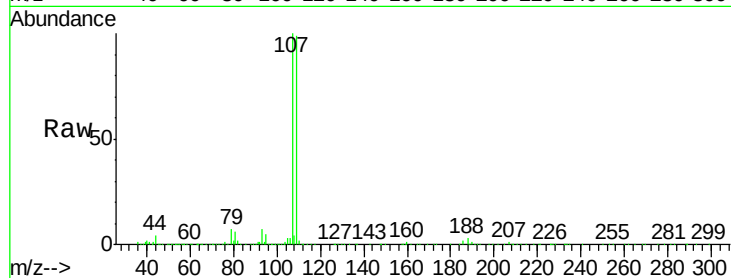
Ion Ratio Lower Upper

107 100

109 99.0 78.1 117.1

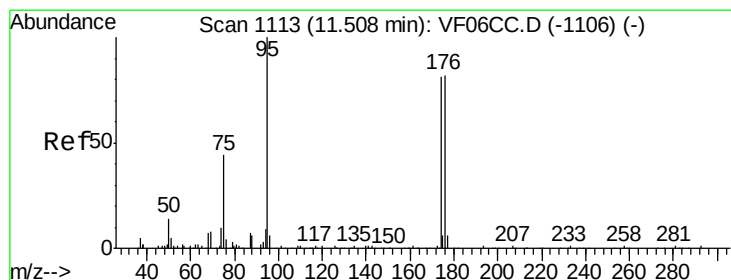
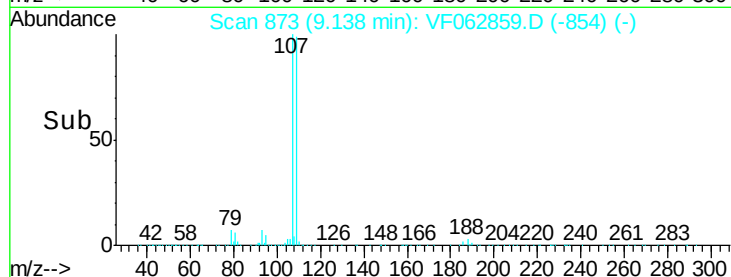
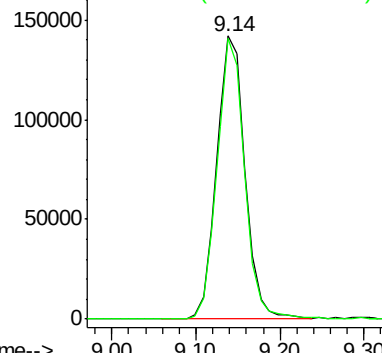
Manual Integrations
APPROVED

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.865 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

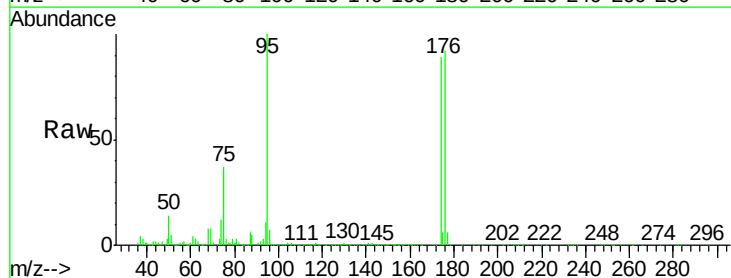
Tgt Ion: 95 Resp: 491310

Ion Ratio Lower Upper

95 100

174 88.9 0.0 170.6

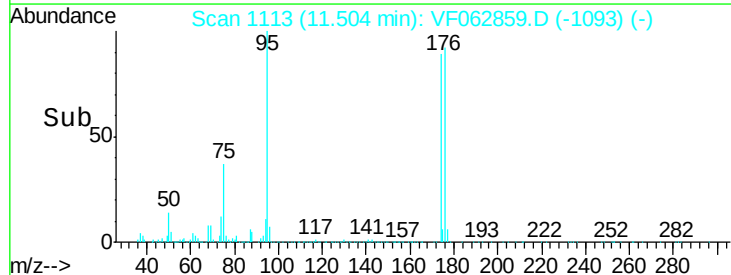
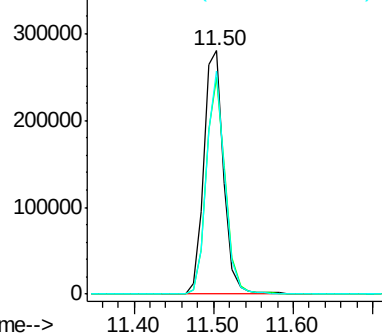
176 91.8 0.0 170.6

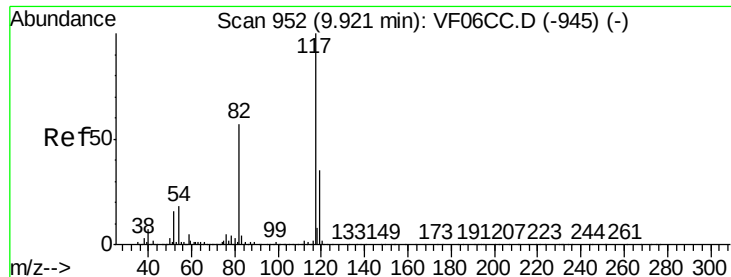


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





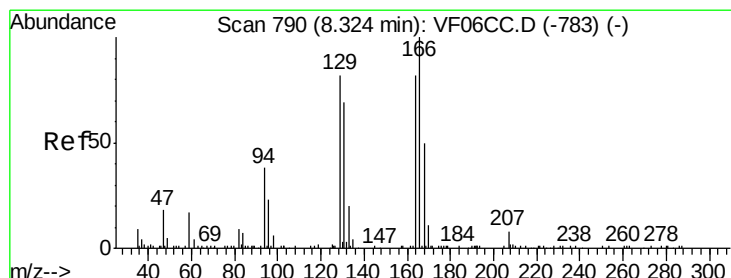
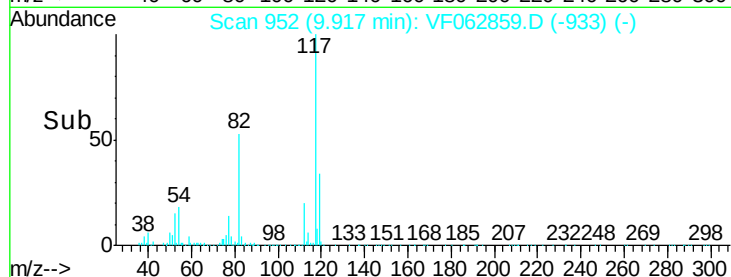
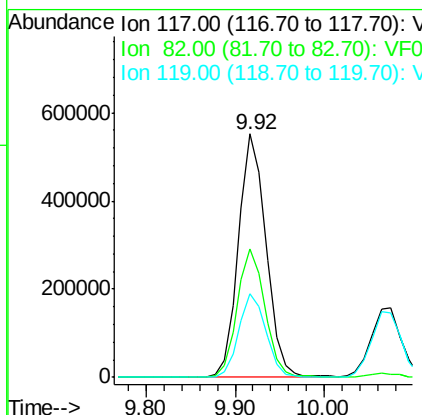
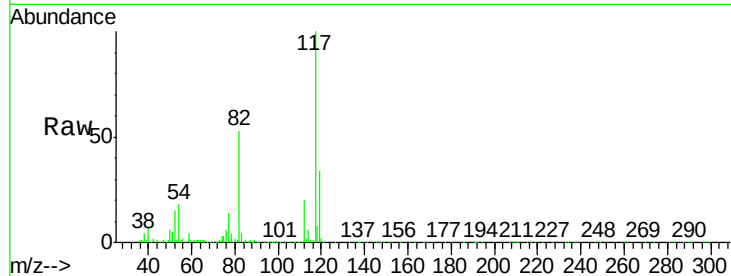
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.4	63.6
119	34.1	27.1	40.7

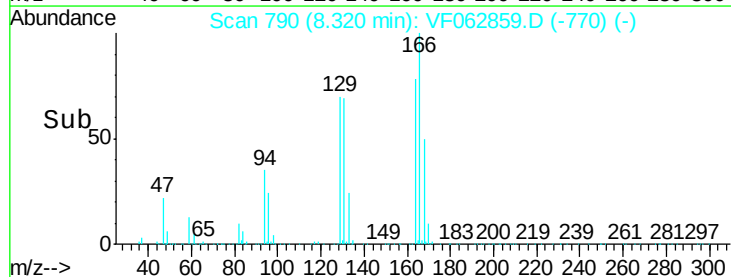
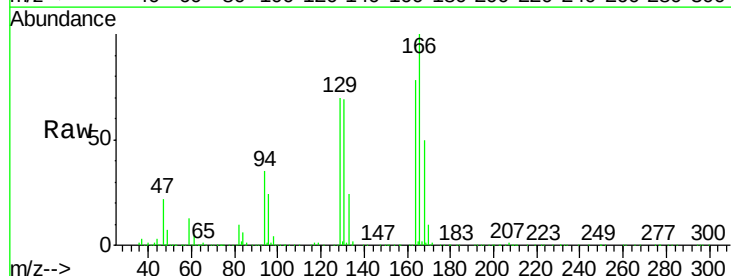
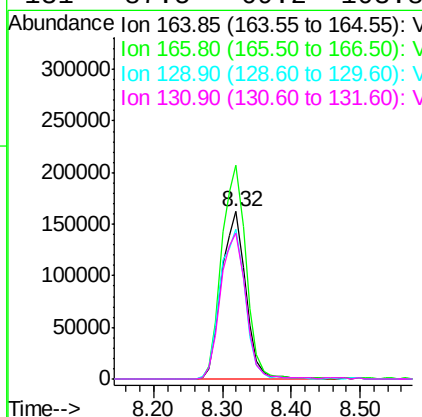
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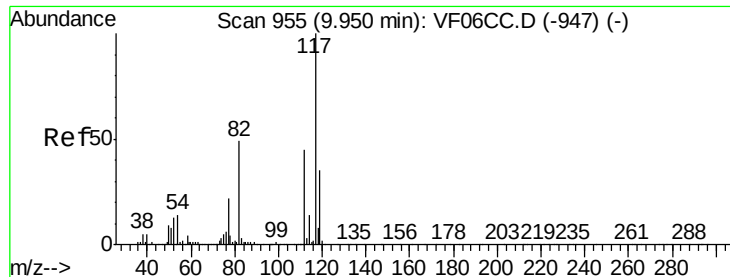
MMDadoda
6/6/2019 11:50:57 AM



#64
Tetrachloroethene
Concen: 43.155 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.1	148.7
129	89.3	69.5	104.3
131	87.5	69.2	103.8





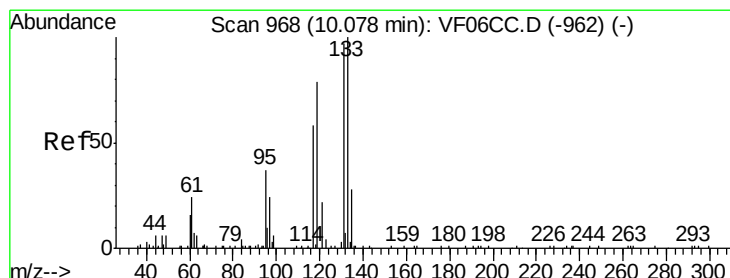
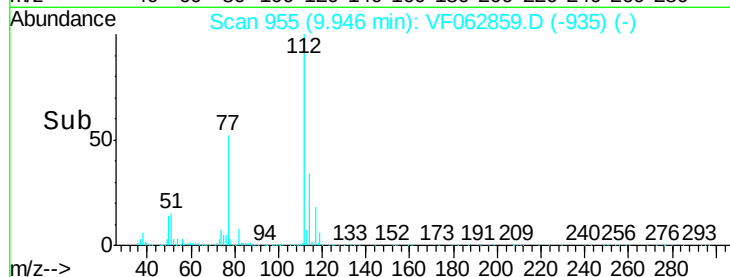
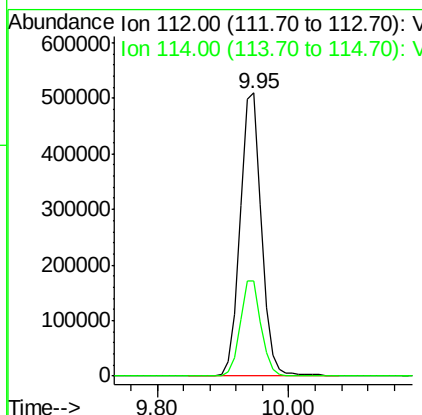
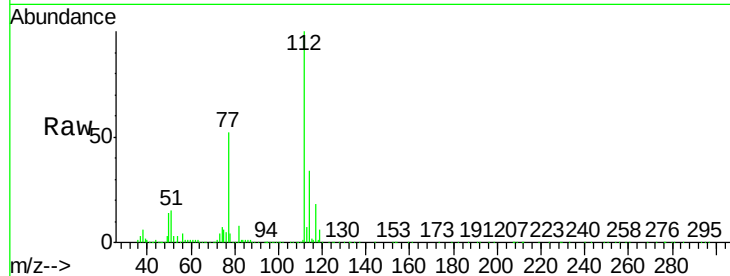
#65
Chlorobenzene
Concen: 50.326 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1161874
Ion Ratio Lower Upper
112 100
114 33.7 27.4 41.0

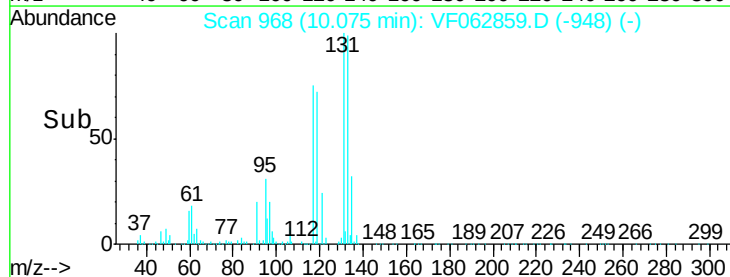
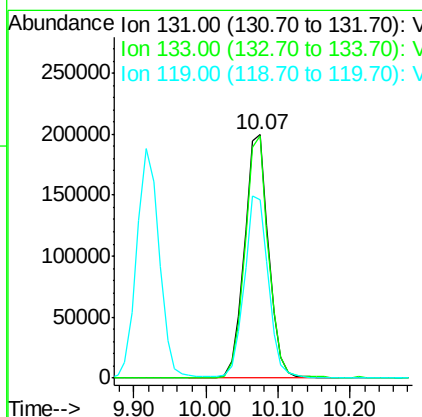
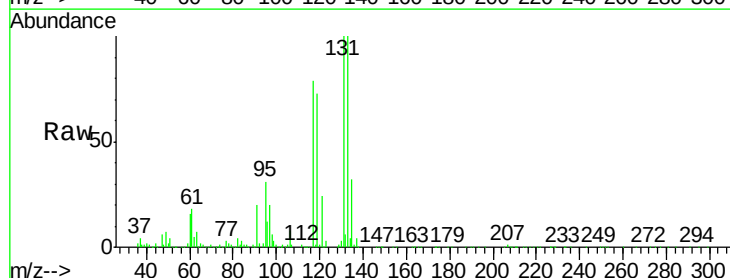
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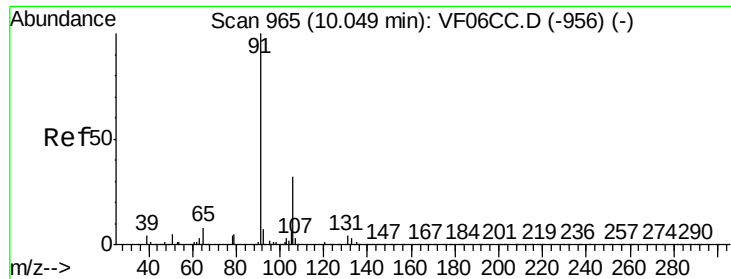
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.771 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:131 Resp: 466815
Ion Ratio Lower Upper
131 100
133 99.6 48.9 146.7
119 73.1 38.0 114.0





#67

Ethyl Benzene

Concen: 49.760 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1971392

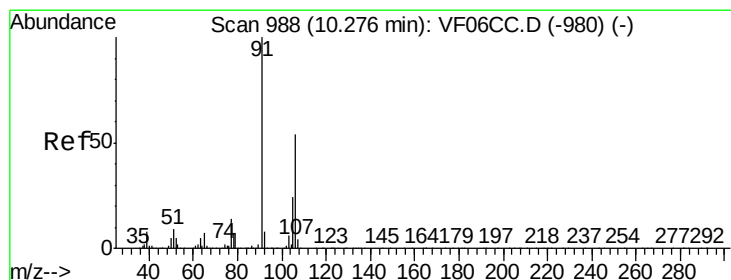
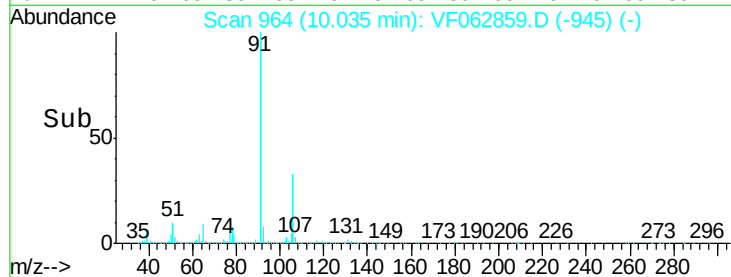
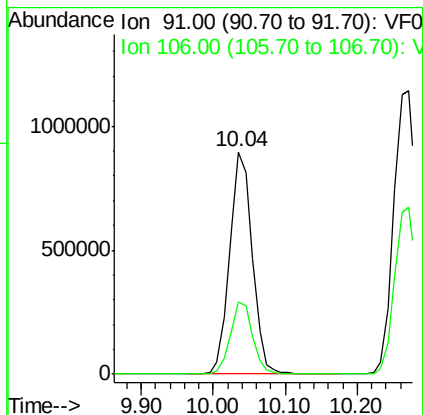
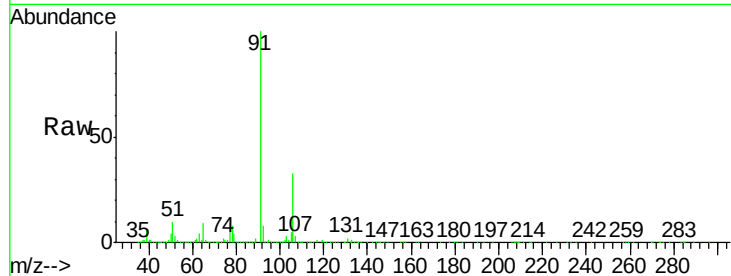
Ion Ratio Lower Upper

91 100

106 32.6 26.0 39.0

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#68

m/p-Xylenes

Concen: 96.644 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062859.D

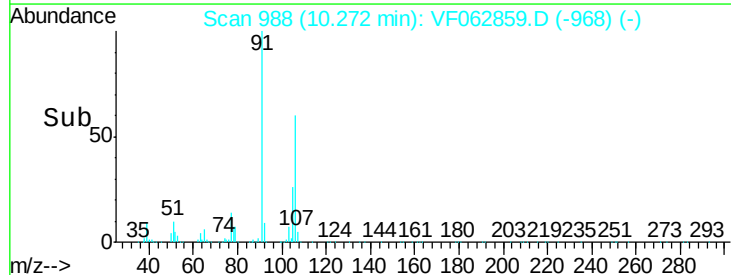
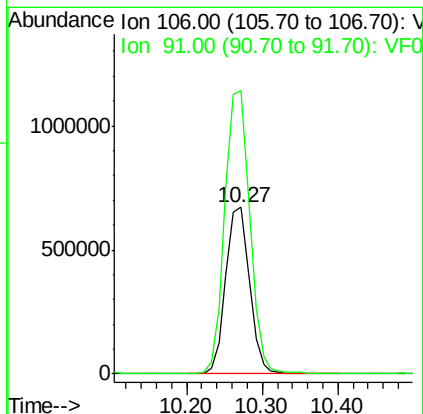
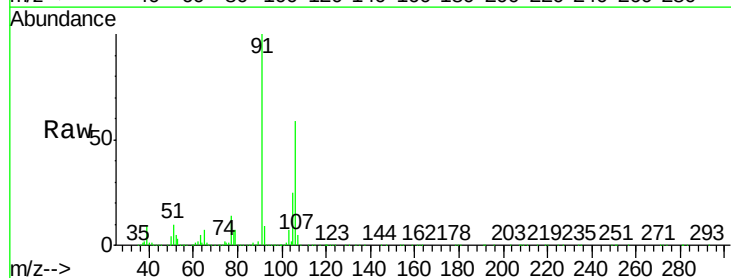
Acq: 5 Jun 2019 10:59

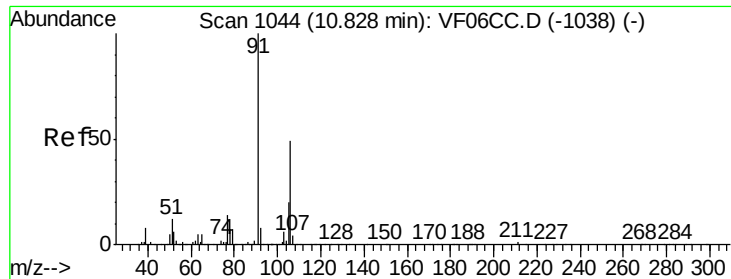
Tgt Ion: 106 Resp: 1465176

Ion Ratio Lower Upper

106 100

91 169.9 136.2 204.4





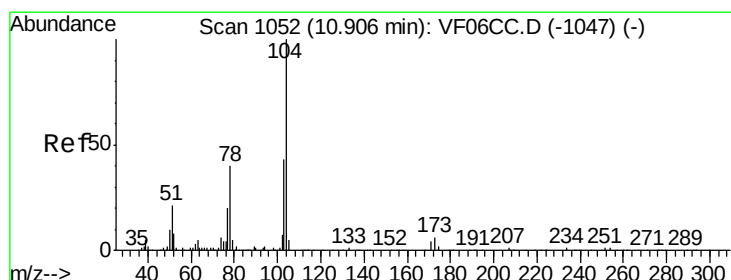
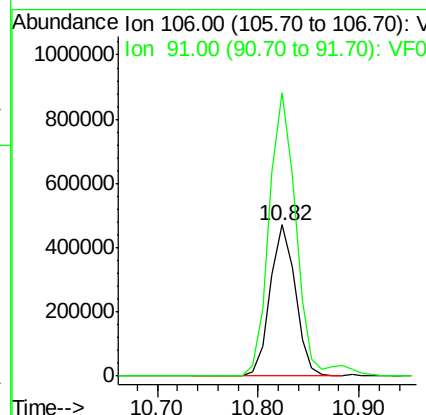
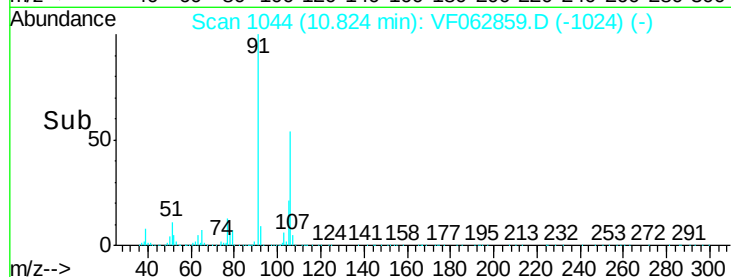
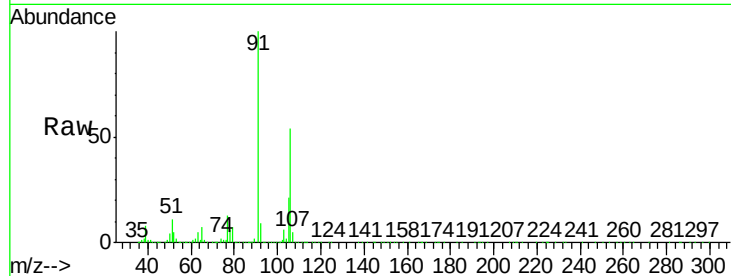
#69
o-Xylene
Concen: 53.516 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 821443
Ion Ratio Lower Upper
106 100
91 186.9 96.6 289.8

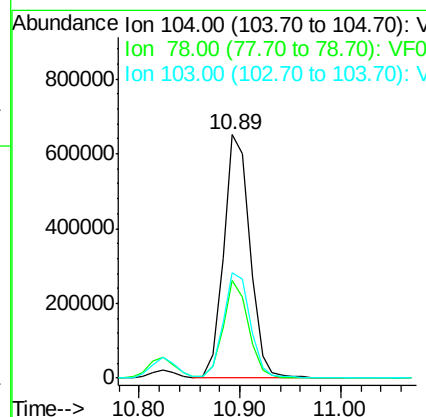
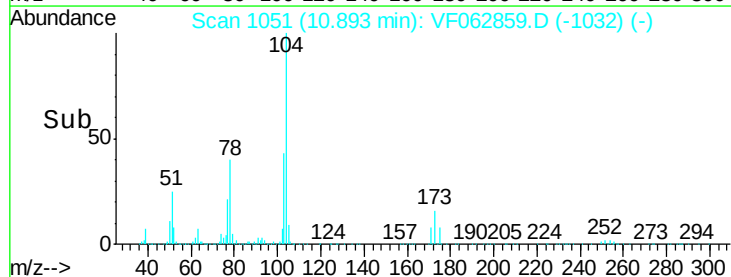
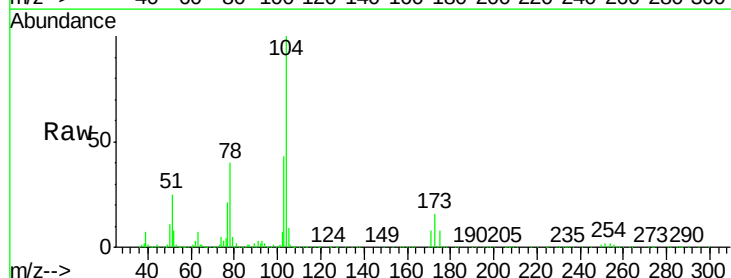
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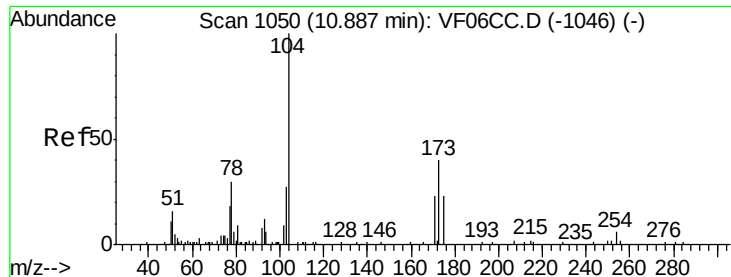
MMDadoda
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#70
Styrene
Concen: 52.227 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion:104 Resp: 1181582
Ion Ratio Lower Upper
104 100
78 39.9 30.8 46.2
103 43.2 35.8 53.6





#71

Bromoform

Concen: 55.016 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

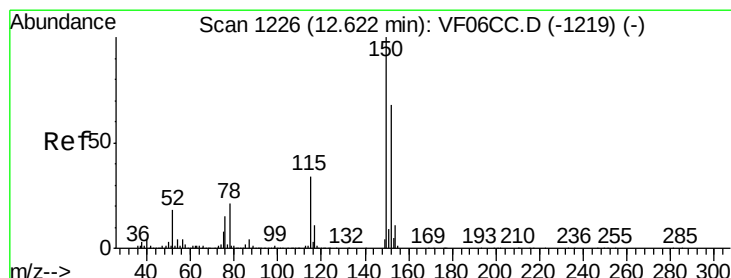
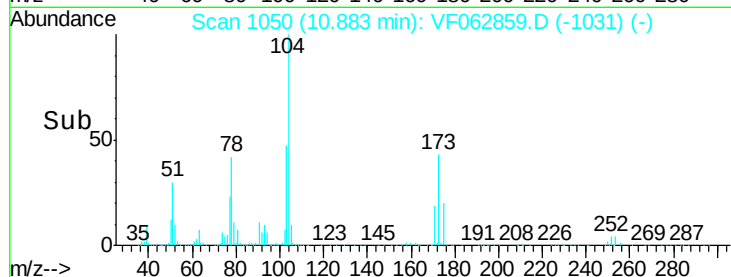
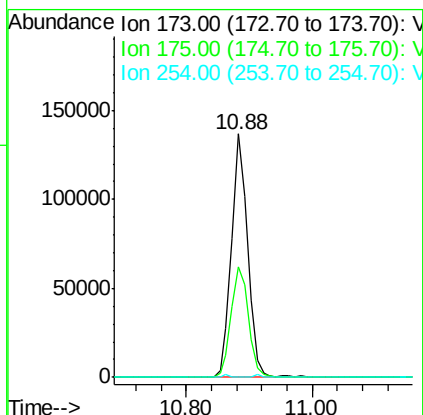
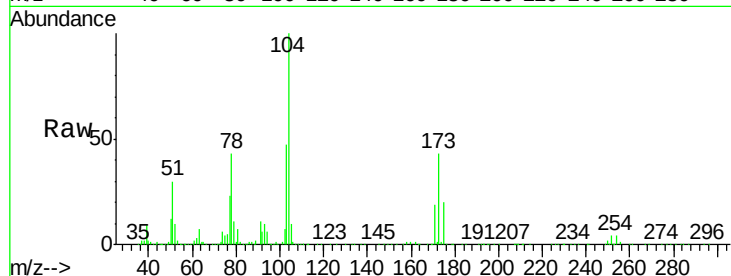
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.6	74.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

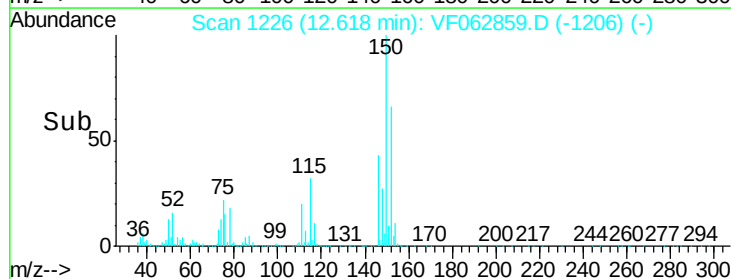
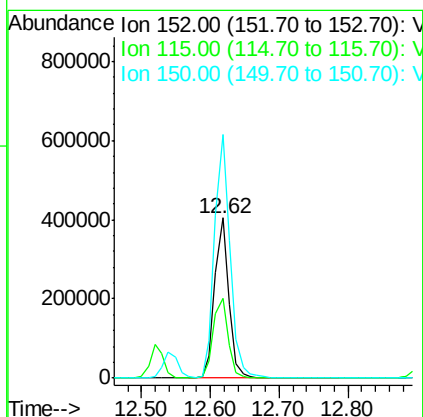
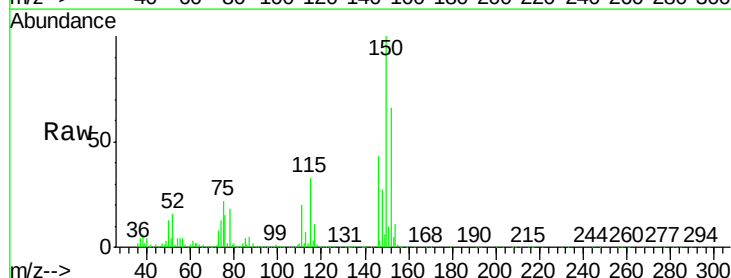
RT: 12.62 min Scan# 1226

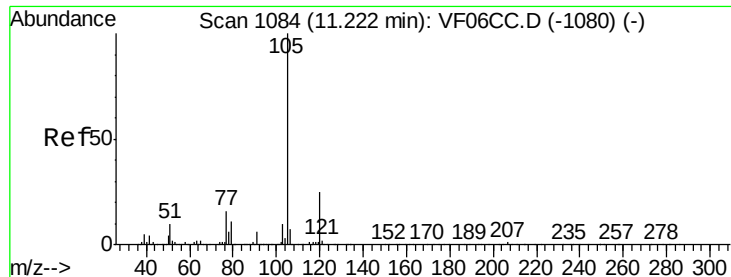
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.5	24.6	74.0
150	152.2	0.0	290.6





#73

Isopropylbenzene

Concen: 50.086 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2013346

Ion Ratio Lower Upper

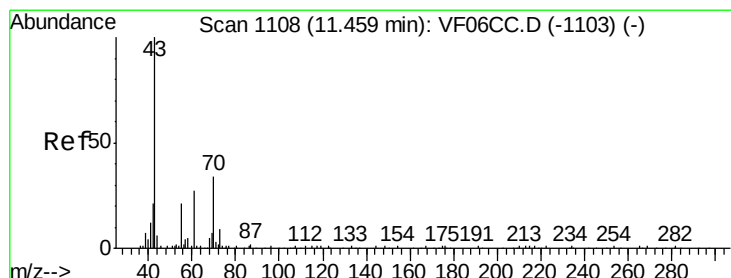
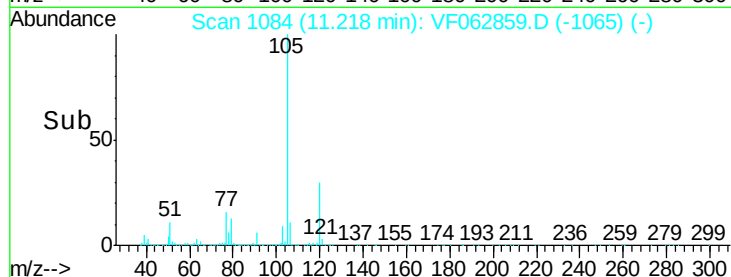
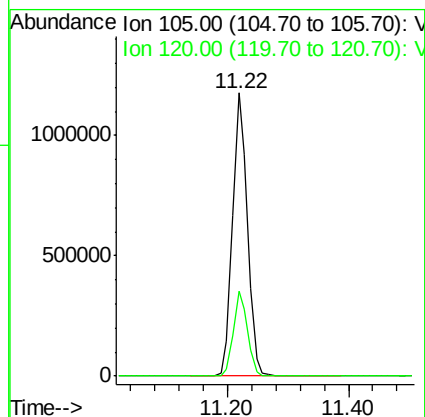
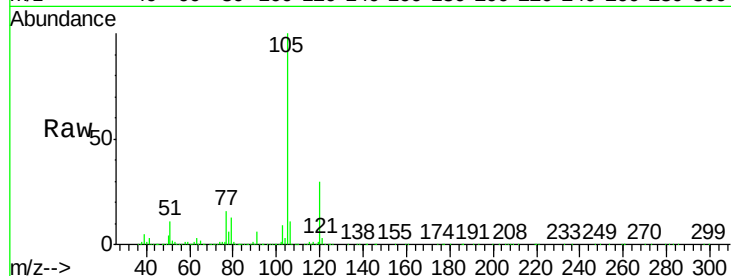
105 100

120 30.0 15.1 45.3

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#74

N-ethyl acetate

Concen: 47.966 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion: 43 Resp: 543434

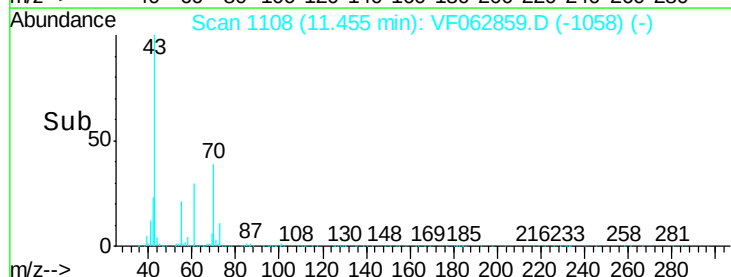
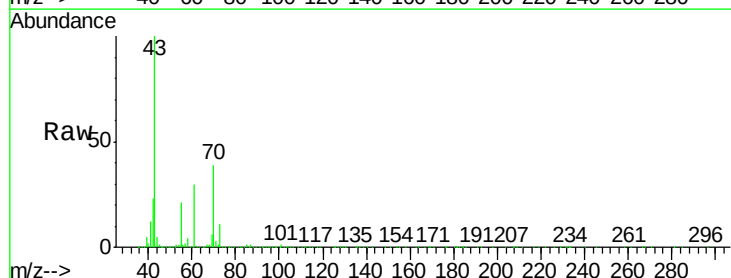
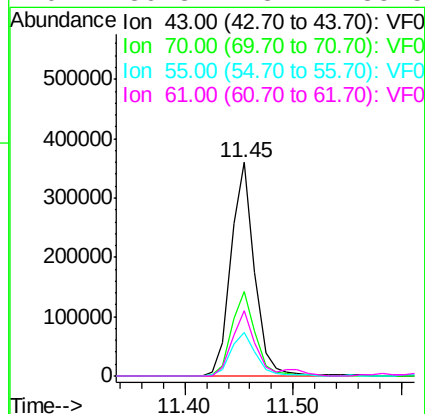
Ion Ratio Lower Upper

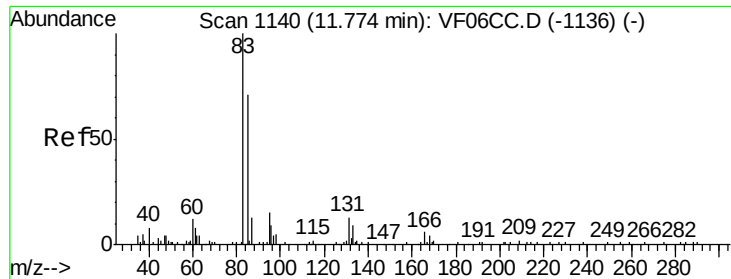
43 100

70 39.4 32.9 49.3

55 20.7 17.3 25.9

61 30.3 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.039 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

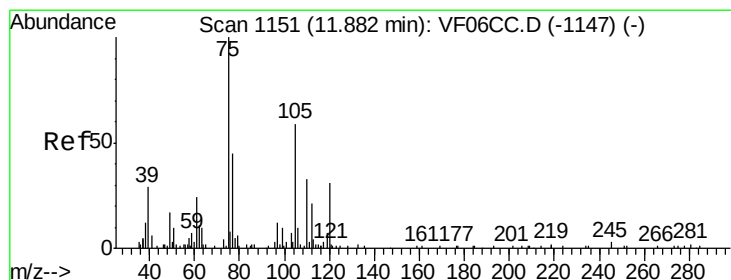
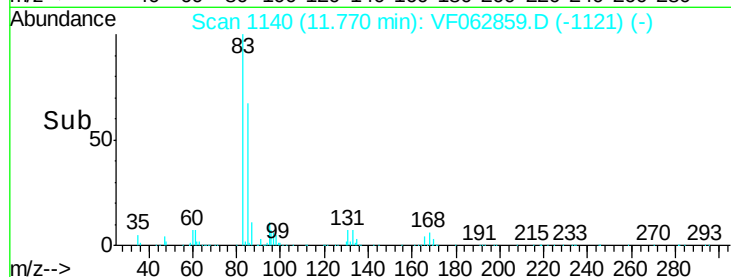
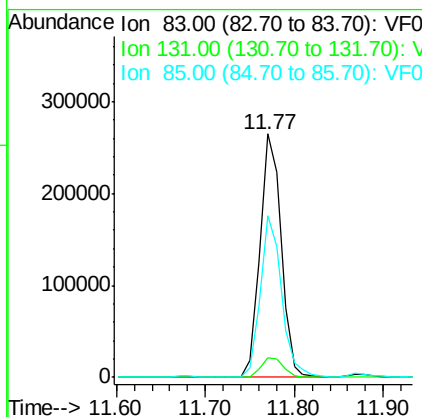
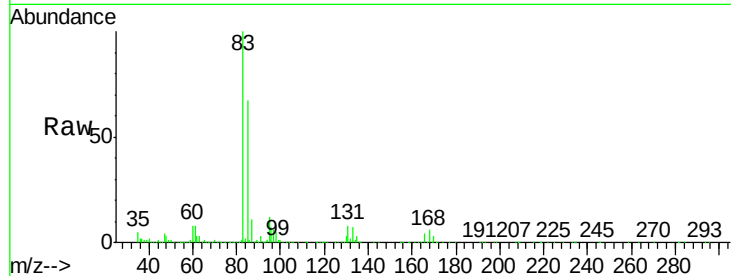
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	429551
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.9	14.7
85	66.6	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 46.860 ug/l

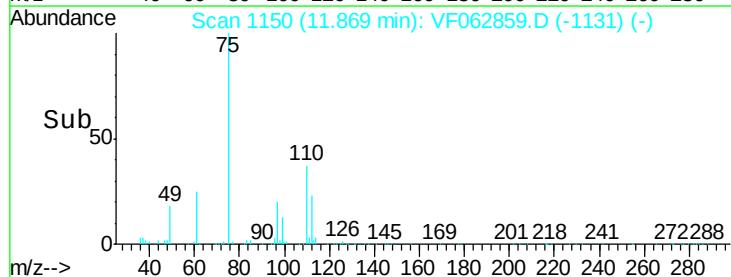
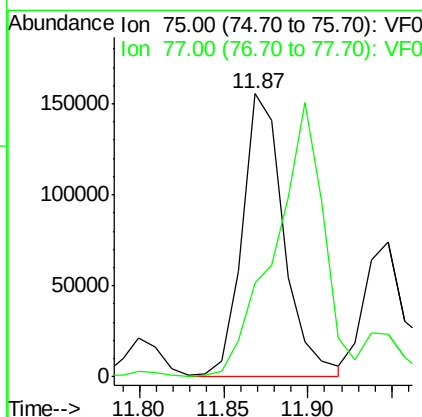
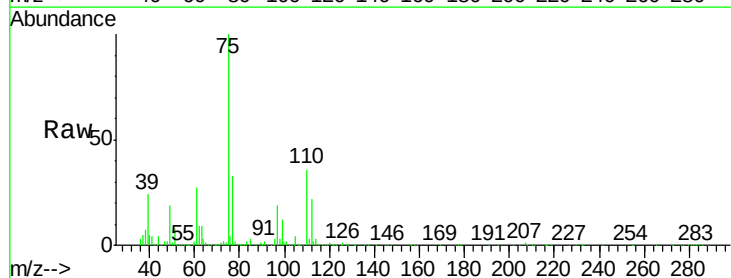
RT: 11.87 min Scan# 1150

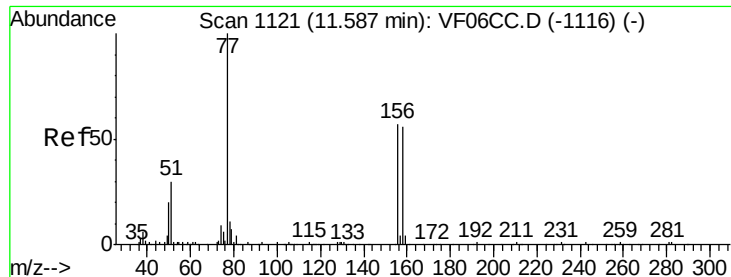
Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	75	Resp:	266644
Ion Ratio	Lower	Upper	
75	100		
77	33.0	20.1	60.2





#77

Bromobenzene

Concen: 48.486 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

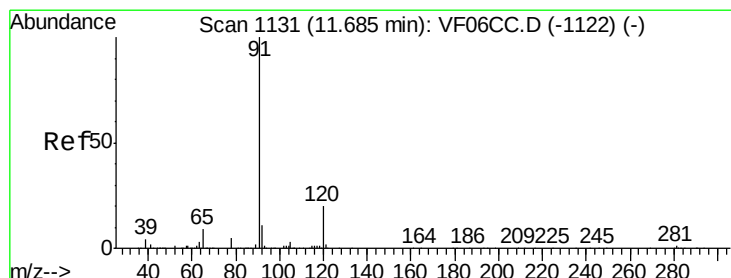
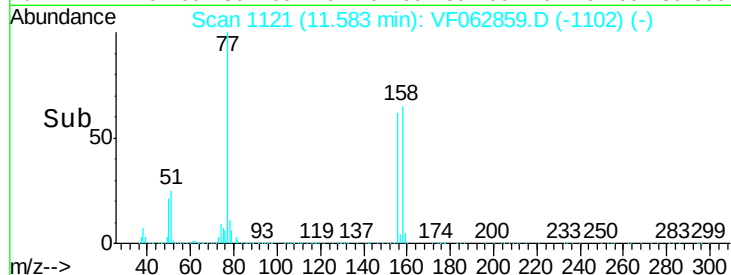
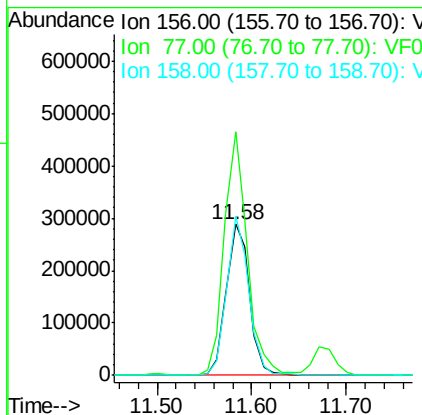
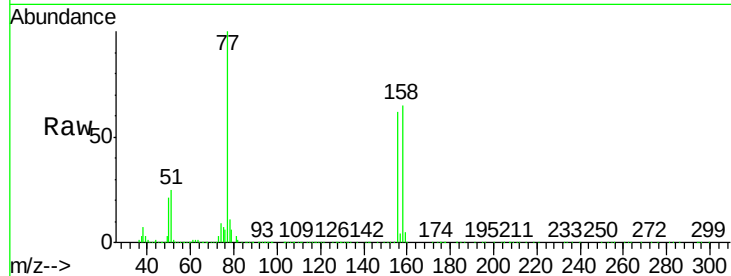
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	489717
Ion Ratio	Lower	Upper	
156	100		
77	161.1	64.2	192.6
158	105.3	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 48.110 ug/l

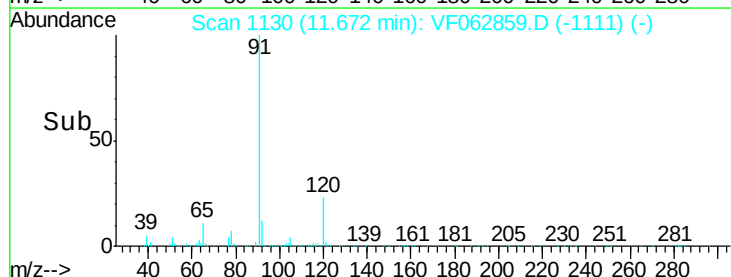
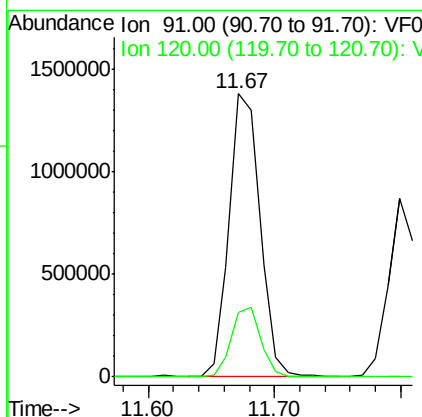
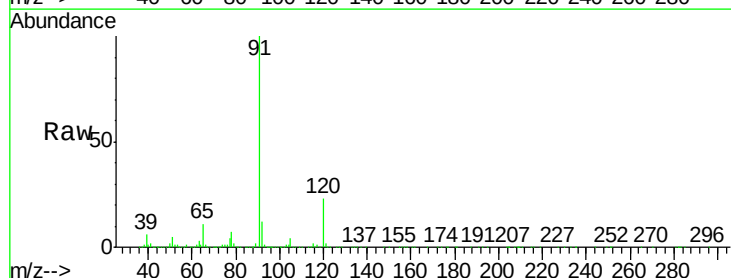
RT: 11.67 min Scan# 1130

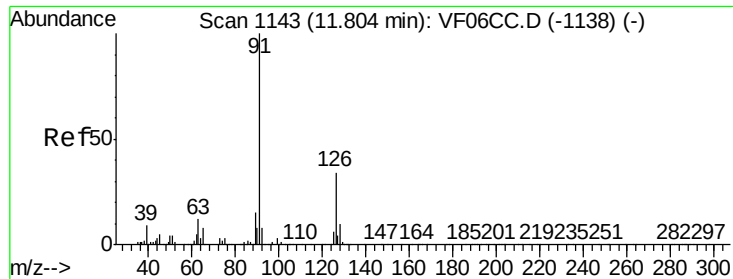
Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	91	Resp:	2335078
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.8	38.4





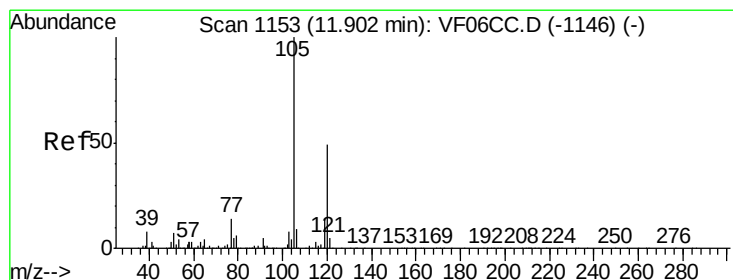
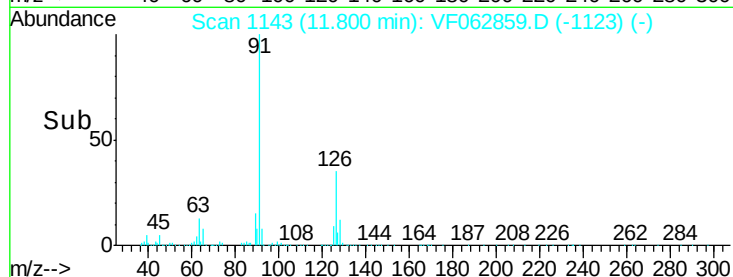
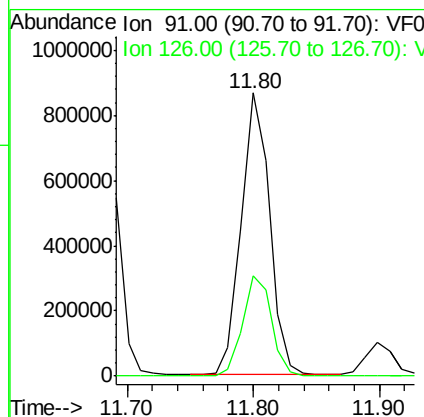
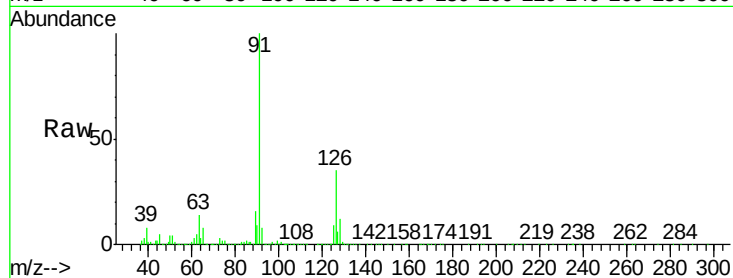
#79
 2-Chlorotoluene
 Concen: 48.466 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1346008
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.3

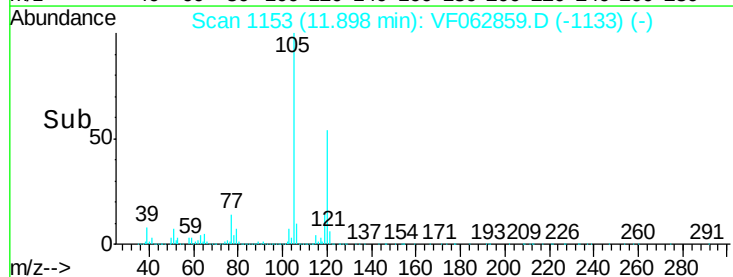
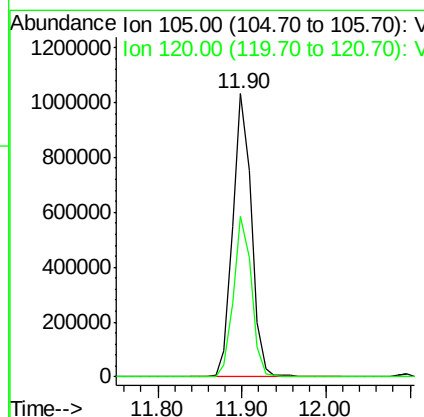
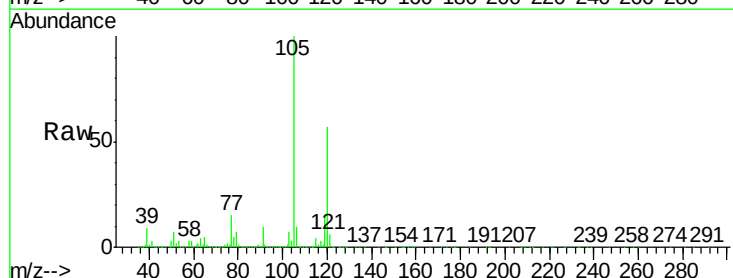
Manual Integrations
 APPROVED

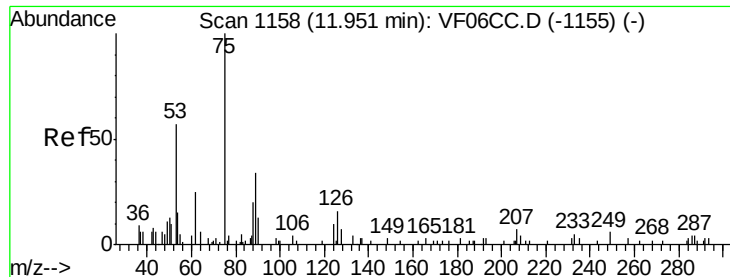
MMDadoda
 6/6/2019 11:50:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.243 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion: 105 Resp: 1585914
 Ion Ratio Lower Upper
 105 100
 120 56.7 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.916 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

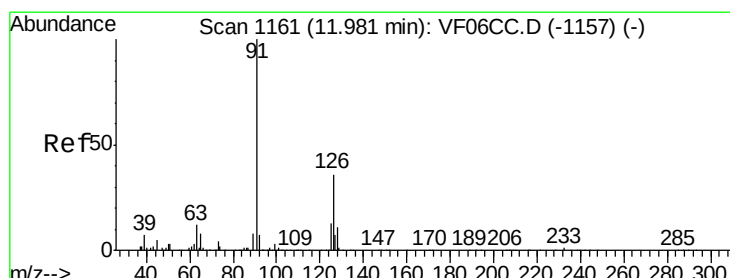
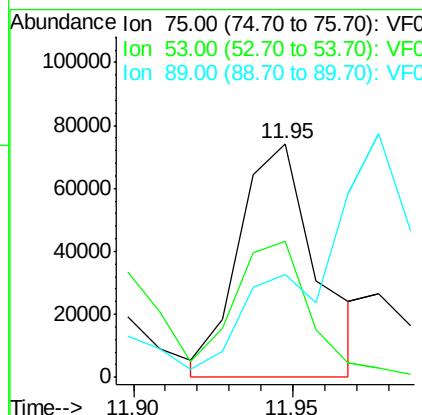
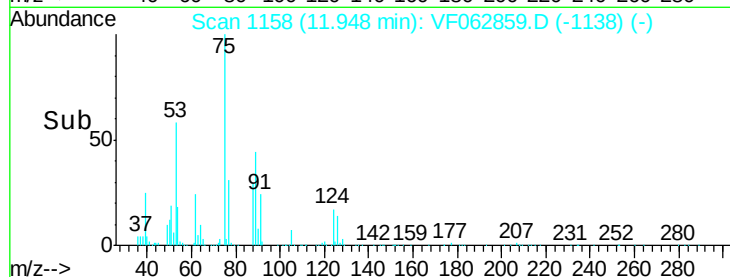
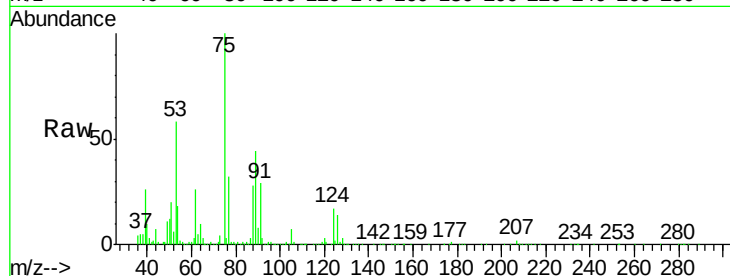
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	125069
Ion	Ratio	Lower	Upper
75	100		
53	58.2	43.5	65.3
89	43.9	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.386 ug/l

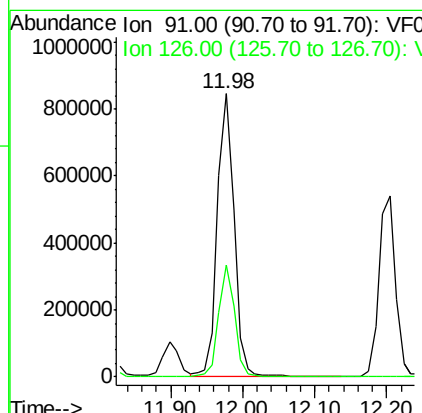
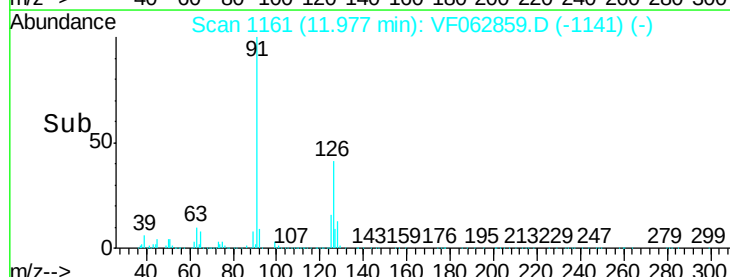
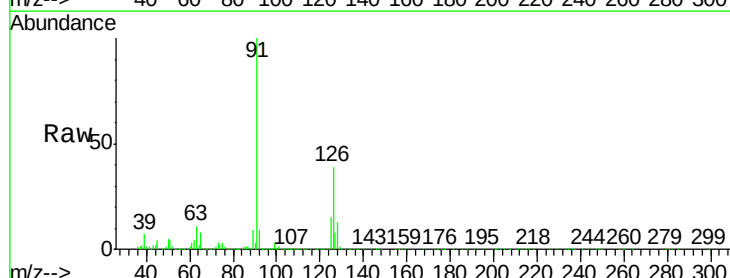
RT: 11.98 min Scan# 1161

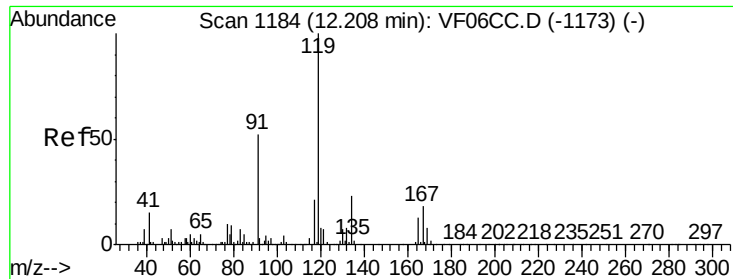
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	91	Resp:	1347900
Ion	Ratio	Lower	Upper
91	100		
126	39.3	19.1	57.1





#83

tert-Butylbenzene

Concen: 49.884 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1624899

Ion Ratio Lower Upper

119 100

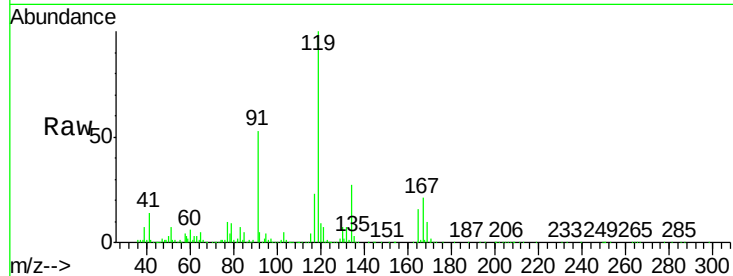
91 52.6 28.9 86.7

134 27.1 14.3 42.9

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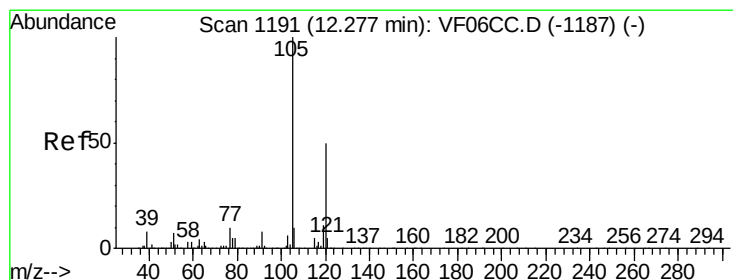
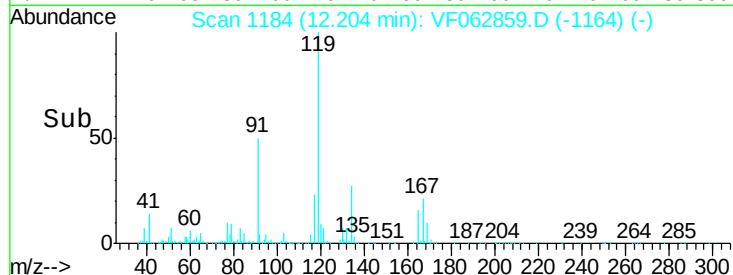
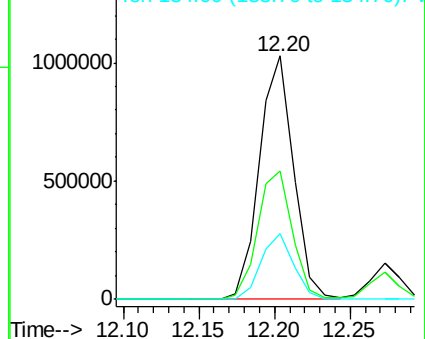
6/6/2019 11:50:57 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.387 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062859.D

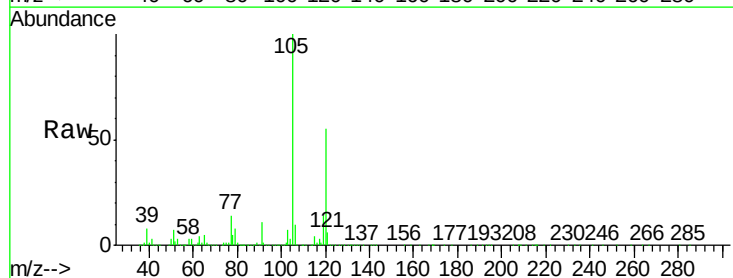
Acq: 5 Jun 2019 10:59

Tgt Ion:105 Resp: 1570498

Ion Ratio Lower Upper

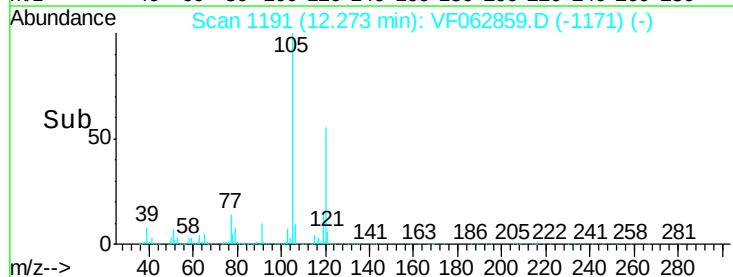
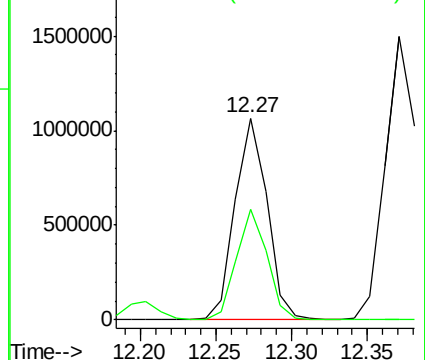
105 100

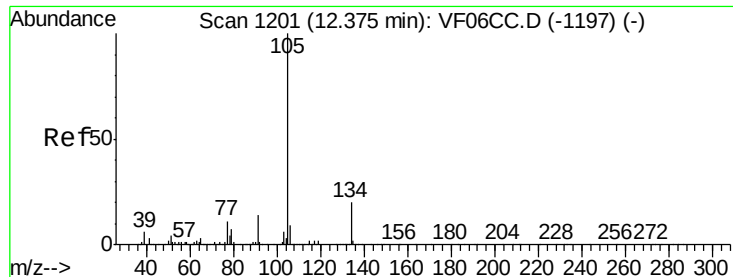
120 54.9 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.955 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2229997

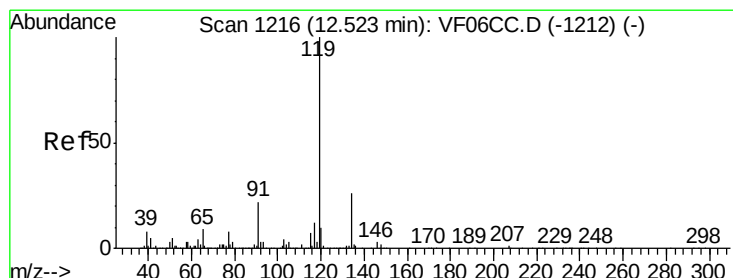
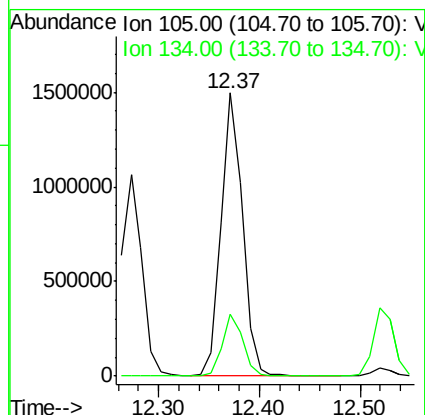
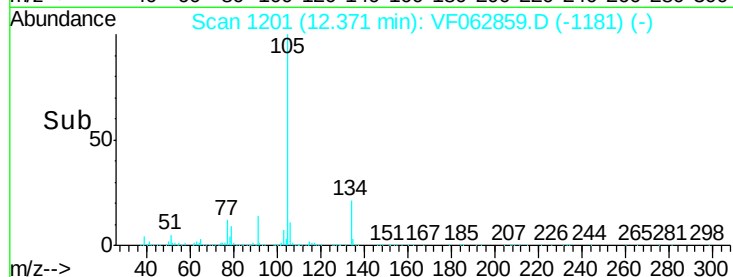
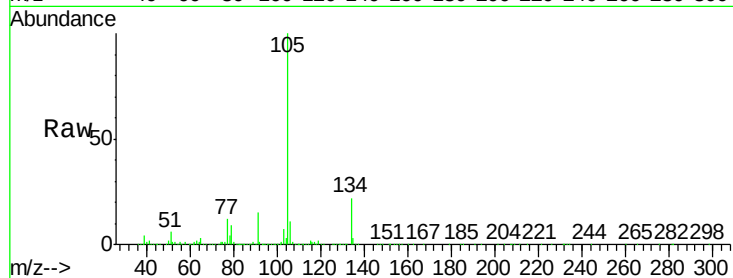
Ion Ratio Lower Upper

105 100

134 21.7 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 51.422 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

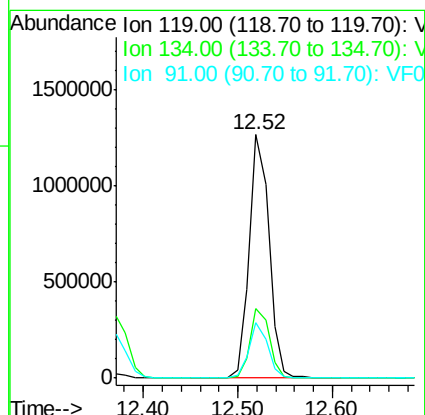
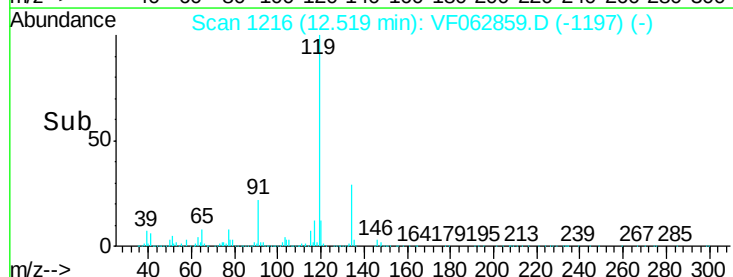
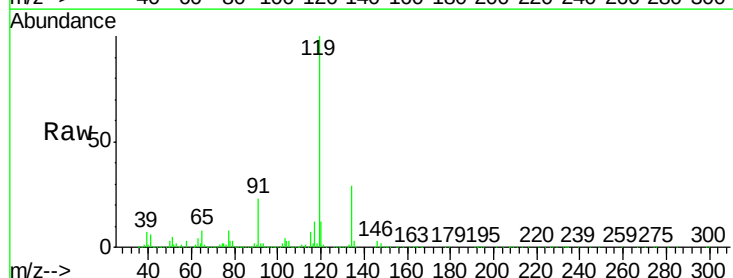
Tgt Ion:119 Resp: 1837129

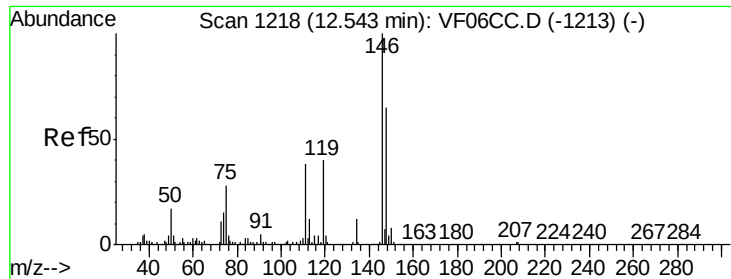
Ion Ratio Lower Upper

119 100

134 28.6 15.5 46.5

91 22.6 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 50.297 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062859.D

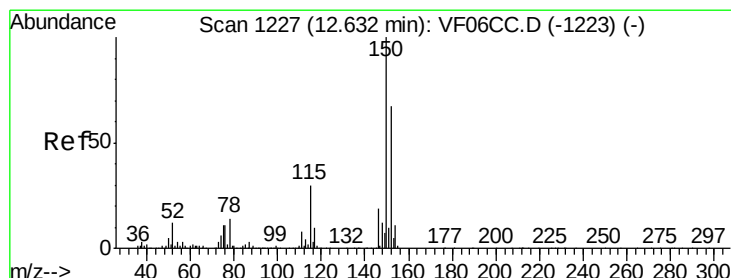
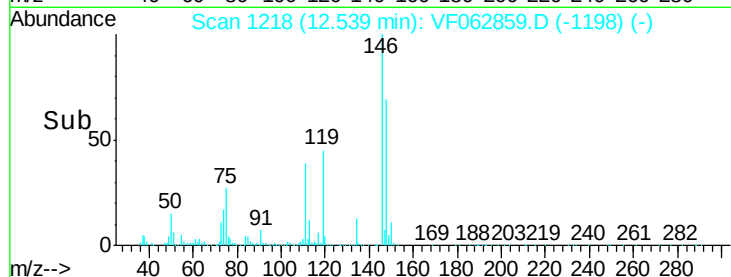
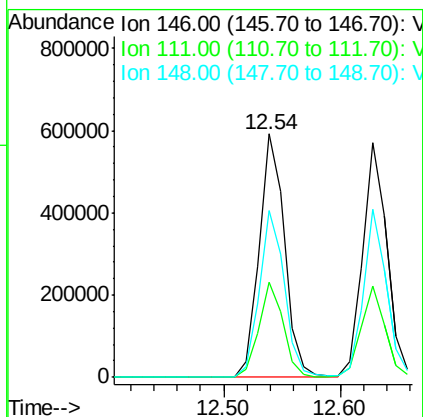
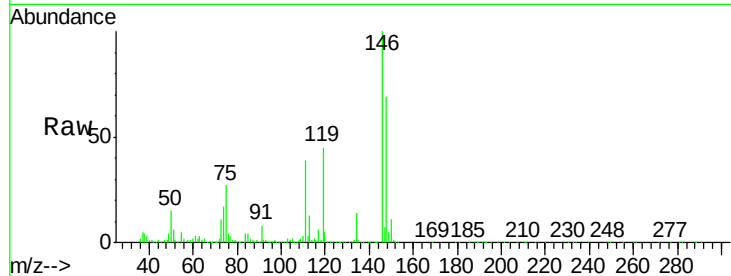
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.8
148	68.6	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.102 ug/l

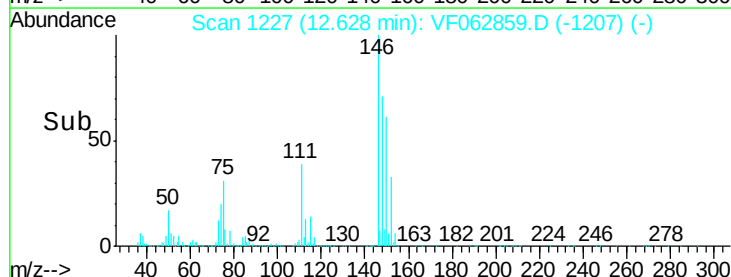
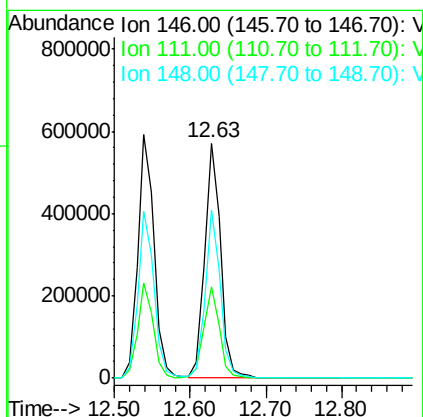
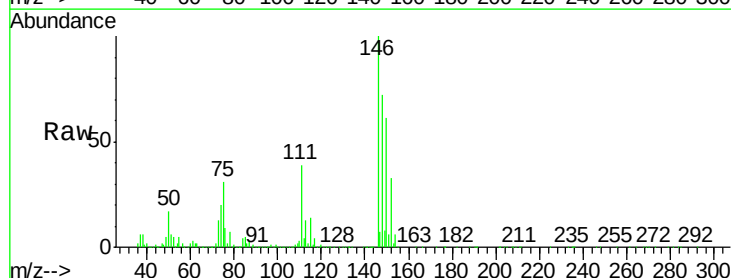
RT: 12.63 min Scan# 1227

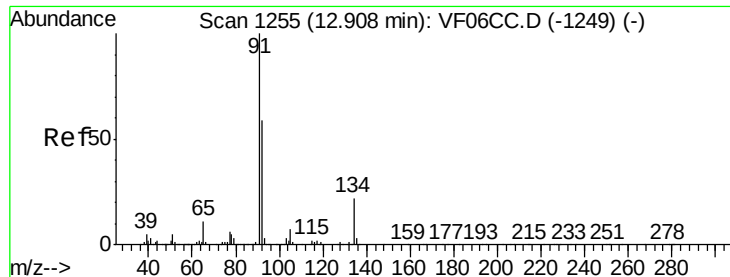
Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	60.9
148	71.5	34.0	101.8





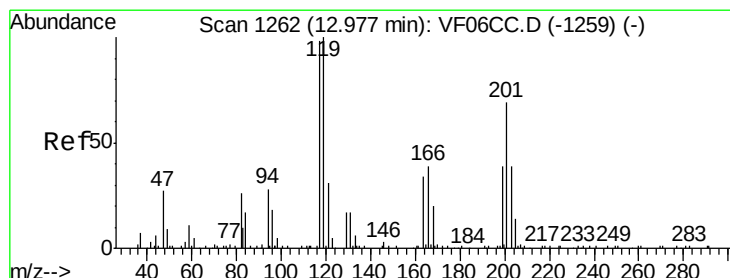
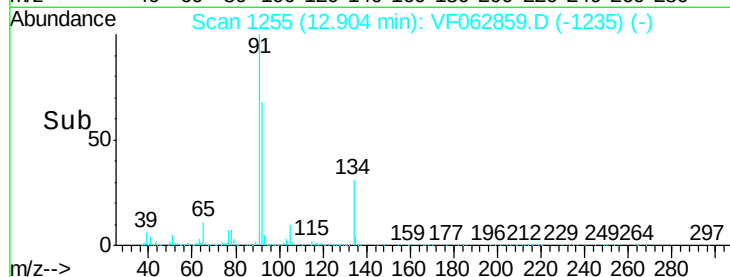
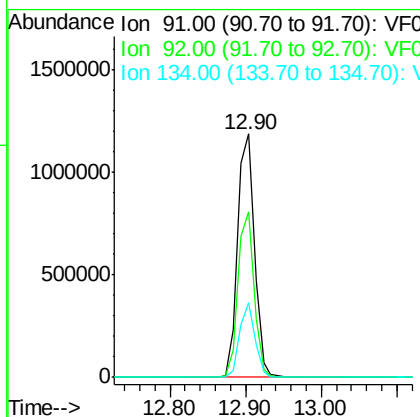
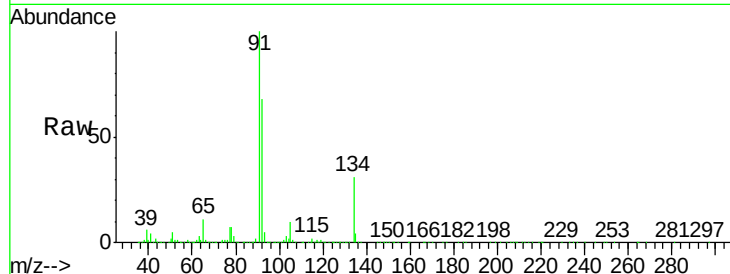
#89
n-Butylbenzene
Concen: 50.099 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.9	34.2	102.6
134	30.9	15.8	47.3

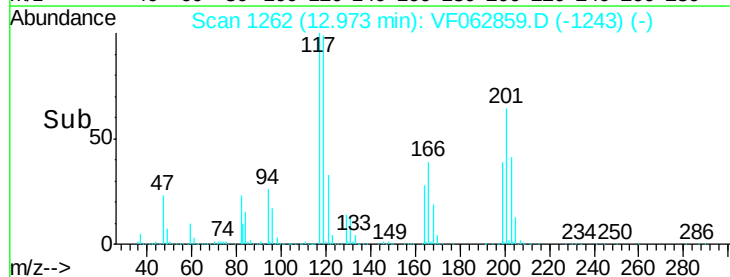
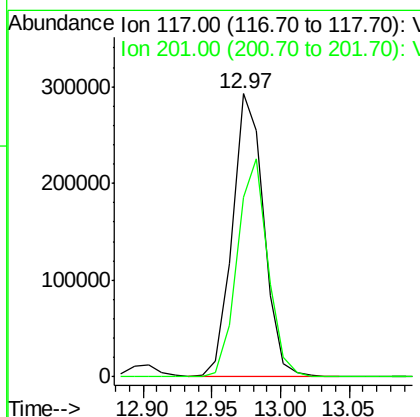
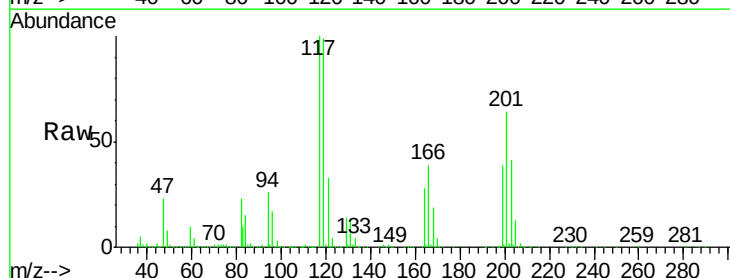
Manual Integrations
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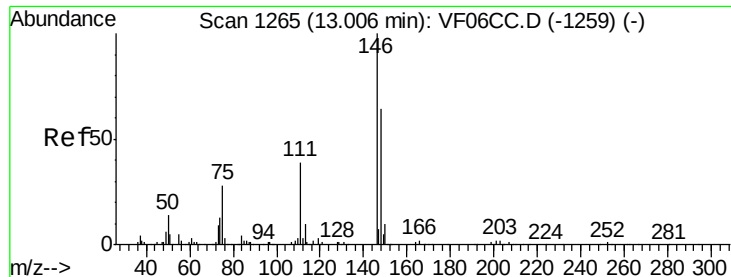
MMDadoda
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#90
Hexachloroethane
Concen: 53.266 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062859.D
Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.6	38.9	116.7





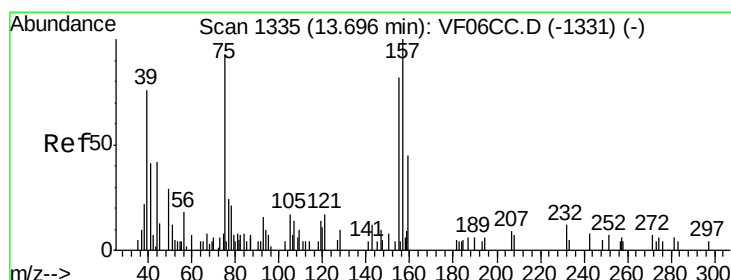
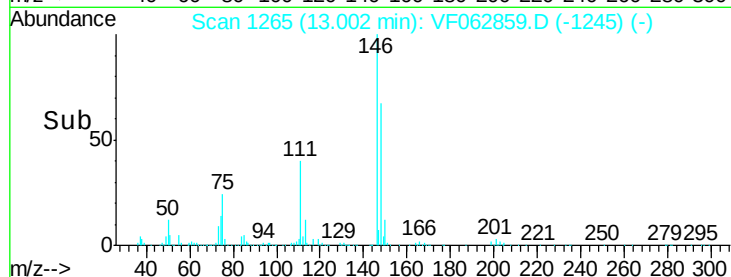
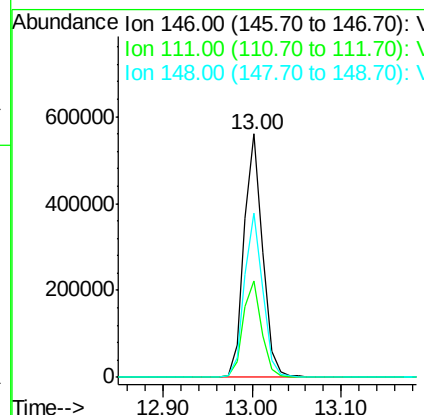
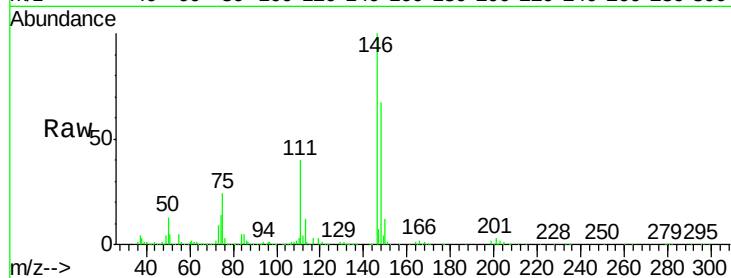
#91
 1,2-Dichlorobenzene
 Concen: 51.802 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.3
148	67.3	34.1	102.3

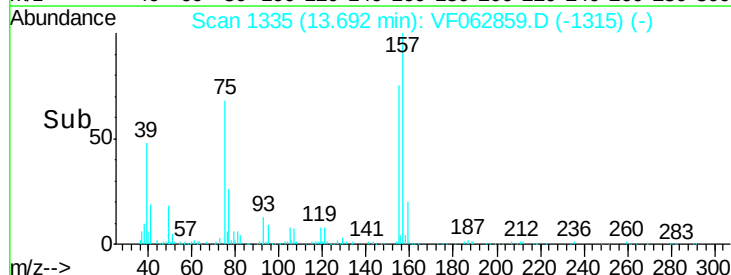
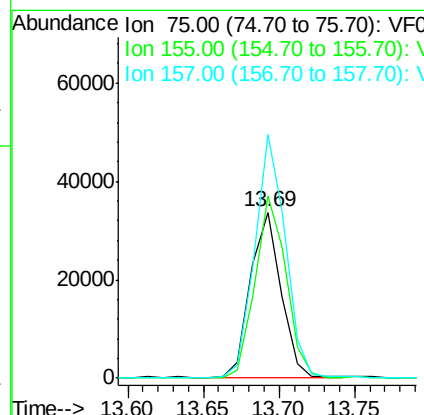
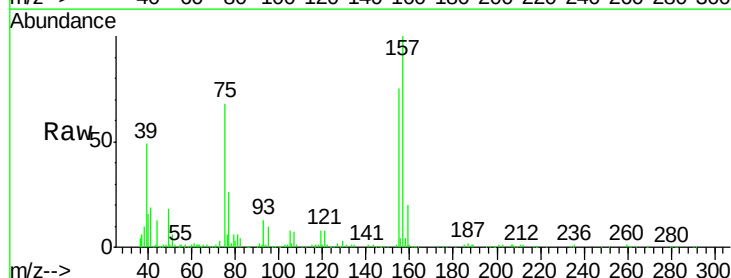
Manual Integrations
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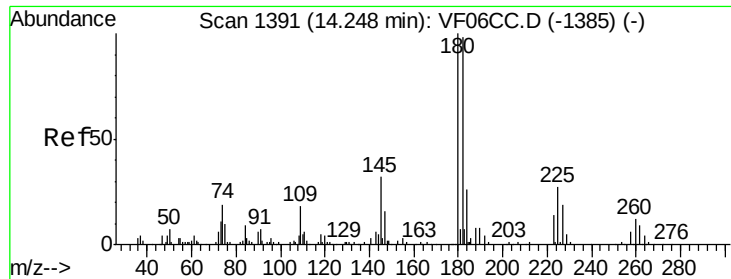
MMDadoda
 6/6/2019 11:50:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.391 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.3	51.7	155.1
157	147.1	66.8	200.6





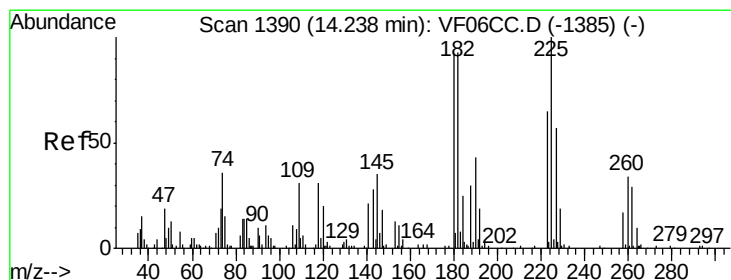
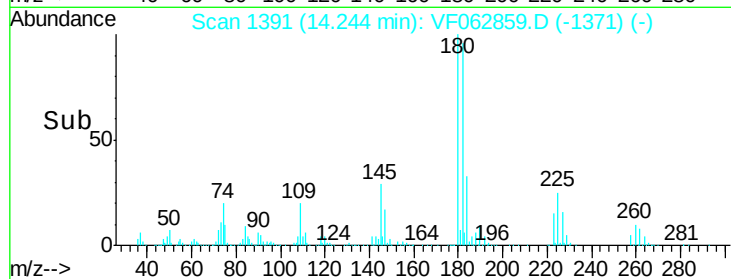
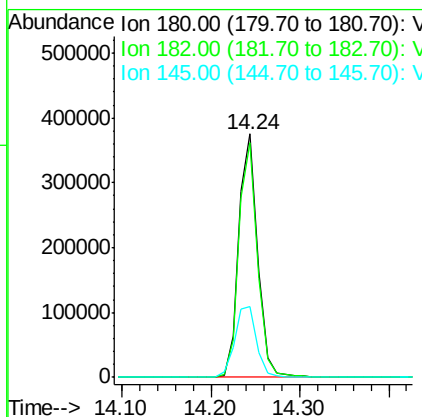
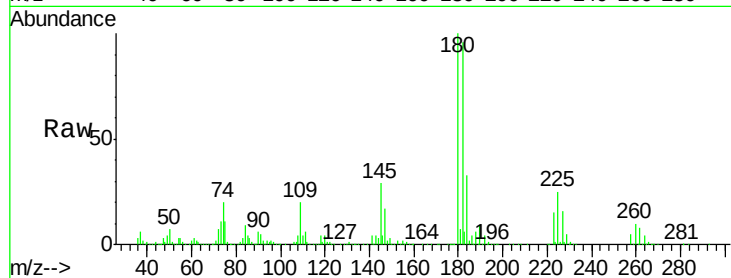
#93
 1,2,4-Trichlorobenzene
 Concen: 51.803 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	556879		
182	96.4	50.3	150.9	
145	28.9	15.4	46.2	

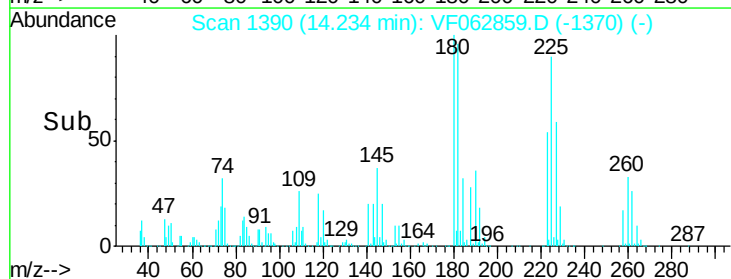
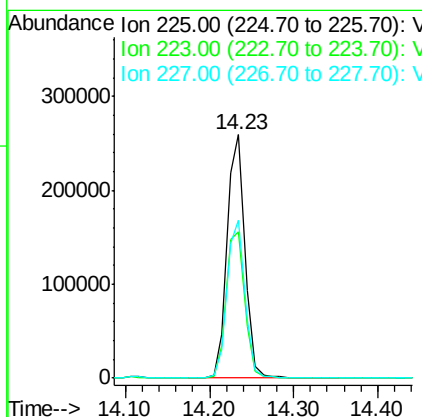
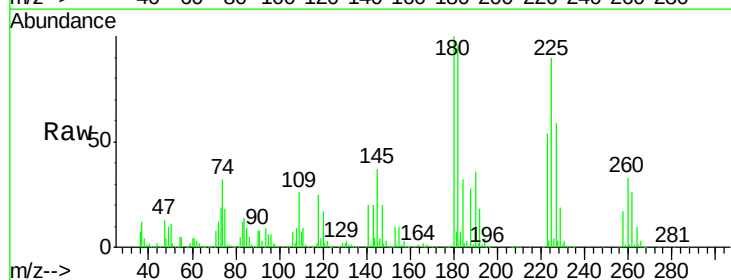
Manual Integrations
 APPROVED

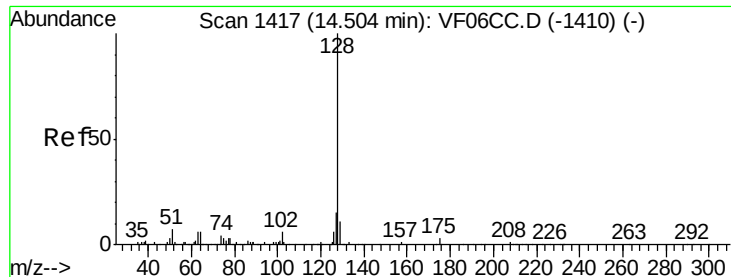
MMDadoda
 6/6/2019 11:50:57 AM



#94
 Hexachlorobutadiene
 Concen: 50.985 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062859.D
 Acq: 5 Jun 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	379164		
223	60.0	30.8	92.4	
227	65.1	31.9	95.5	





#95

Naphthalene

Concen: 50.154 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Instrument :

MSVOA_F

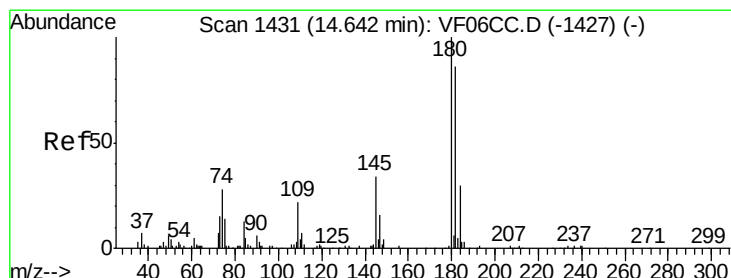
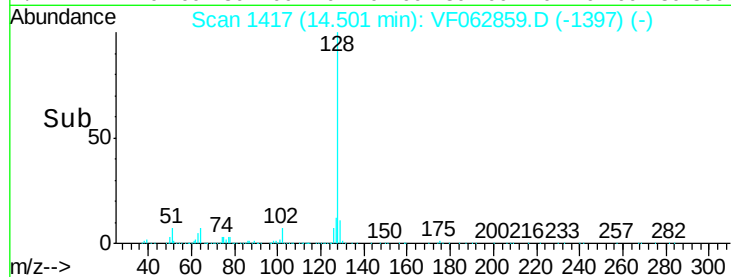
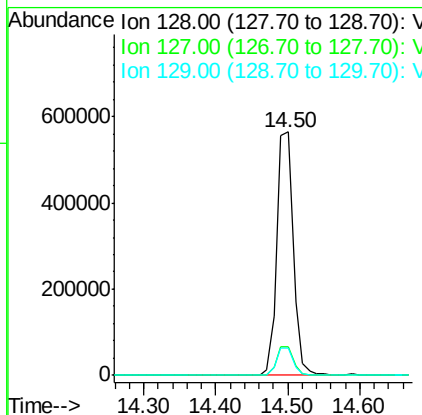
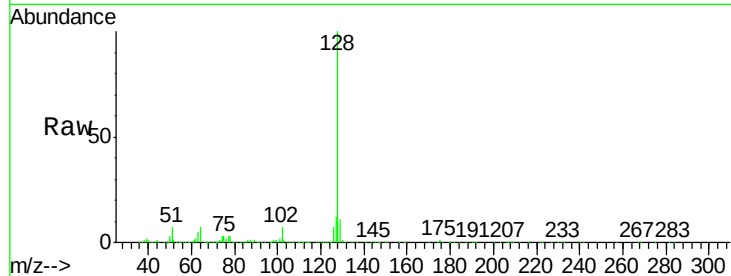
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	883287
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.7	14.5
129	11.3	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 11:50:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.217 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062859.D

Acq: 5 Jun 2019 10:59

Tgt Ion:	180	Resp:	482956
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.6	145.9
145	29.6	15.7	47.0

