

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062873.D
 Acq On : 5 Jun 2019 18:54
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:13 AM

Quant Time: Jun 06 08:32:06 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	5.08	168	677202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1173688	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	928953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	467735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	226328	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
35) Dibromofluoromethane	4.34	113	449280	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	7.73	98	1118715	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.50	95	414056	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	412154	54.146	ug/l	100
3) Chloromethane	1.16	50	347424	49.582	ug/l	99
4) Vinyl Chloride	1.21	62	339687	48.784	ug/l	99
5) Bromomethane	1.42	94	227548	57.301	ug/l	92
6) Chloroethane	1.47	64	157553	60.517	ug/l	98
7) Trichlorofluoromethane	1.58	101	598121m	60.677	ug/l	
8) Diethyl Ether	1.73	74	106708	55.021	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.93	101	375033	60.514	ug/l	95
10) Methyl Iodide	2.01	142	714903m	57.531	ug/l	
11) Tert butyl alcohol	2.71	59	71656	252.590	ug/l	96
12) 1,1-Dichloroethene	1.89	96	320059	56.873	ug/l	94
13) Acrolein	2.11	56	27473	242.159	ug/l	94
14) Allyl chloride	2.21	41	223585	51.212	ug/l	94
15) Acrylonitrile	3.11	53	353183	331.325	ug/l	96
16) Acetone	2.37	43	264383	246.670	ug/l #	86
17) Carbon Disulfide	1.93	76	909945m	55.323	ug/l	
18) Methyl Acetate	2.47	43	87240	46.578	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	563447	55.263	ug/l	99
20) Methylene Chloride	2.37	84	319655m	60.164	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	328606	58.238	ug/l	97
22) Diisopropyl ether	2.96	45	619513	49.946	ug/l	93
23) Vinyl Acetate	3.37	43	2302521	271.149	ug/l	100
24) 1,1-Dichloroethane	3.04	63	566954	61.218	ug/l	99
25) 2-Butanone	4.54	43	638230	255.701	ug/l	98
26) 2,2-Dichloropropane	3.80	77	301851	57.402	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	502418	52.971	ug/l	94
28) Bromochloromethane	3.92	49	296535	58.864	ug/l	97
29) Tetrahydrofuran	4.29	42	255970	268.129	ug/l	99
30) Chloroform	4.08	83	713689	54.679	ug/l	98
31) Cyclohexane	3.90	56	660198m	52.654	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	472138	62.128	ug/l	99
36) 1,1-Dichloropropene	4.50	75	570897	52.837	ug/l	97
37) Ethyl Acetate	4.32	43	210086	50.864	ug/l #	72
38) Carbon Tetrachloride	4.21	117	423268	57.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	717233	53.335	ug/l	96
40) Benzene	4.85	78	1656195	52.668	ug/l	97
41) Methacrylonitrile	4.96	41	113220	49.309	ug/l	93
42) 1,2-Dichloroethane	5.16	62	327604	54.776	ug/l	97
43) Isopropyl Acetate	7.14	43	253158	46.398	ug/l #	98
44) Trichloroethene	5.71	130	479853	54.069	ug/l	95
45) 1,2-Dichloropropane	6.43	63	428096	54.249	ug/l	99
46) Dibromomethane	6.28	93	242812	52.702	ug/l	96
47) Bromodichloromethane	6.58	83	507504	54.088	ug/l	96
48) Methyl methacrylate	6.90	41	128017	45.526	ug/l	96
49) 1,4-Dioxane	6.89	88	35416	955.526	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	1015360	260.656	ug/l	98
52) Toluene	7.80	92	898053	53.022	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	420289	54.055	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	605966	53.841	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	278166	54.974	ug/l	96
56) Ethyl methacrylate	8.77	69	265169	48.841	ug/l	91
57) 1,3-Dichloropropane	9.02	76	467300	56.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	513351	270.548	ug/l	94
59) 2-Hexanone	9.64	43	720083	259.348	ug/l	99
60) Dibromochloromethane	8.88	129	360104	57.483	ug/l	97
61) 1,2-Dibromoethane	9.15	107	288541	54.907	ug/l	97
64) Tetrachloroethene	8.33	164	363025	50.855	ug/l	98
65) Chlorobenzene	9.96	112	956433	53.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	376568	52.707	ug/l	97
67) Ethyl Benzene	10.05	91	1601483	52.022	ug/l	100
68) m/p-Xylenes	10.28	106	1216535	103.269	ug/l	95
69) o-Xylene	10.83	106	653007	54.750	ug/l	100
70) Styrene	10.90	104	996057	56.659	ug/l	98
71) Bromoform	10.89	173	199523	58.215	ug/l	100
73) Isopropylbenzene	11.23	105	1693051	51.876	ug/l	99
74) N-amyl acetate	11.45	43	433423	47.119	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	364152	52.248	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235560	50.988	ug/l	92
77) Bromobenzene	11.59	156	408850	49.858	ug/l	86
78) n-propylbenzene	11.68	91	2042790	51.839	ug/l	94
79) 2-Chlorotoluene	11.81	91	1139601	50.541	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1352145	50.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	98464m	50.342	ug/l	
82) 4-Chlorotoluene	11.99	91	1133976	51.174	ug/l	98
83) tert-Butylbenzene	12.20	119	1411162	53.359	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1319658	52.149	ug/l	100
85) sec-Butylbenzene	12.37	105	1122739	32.218	ug/l	94
86) p-Isopropyltoluene	12.53	119	1515385	52.244	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	751248	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	709669	52.581	ug/l	96
89) n-Butylbenzene	12.90	91	1468308	50.322	ug/l	94
90) Hexachloroethane	12.98	117	378642	53.522	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	639711	50.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	38441	50.626	ug/l	95

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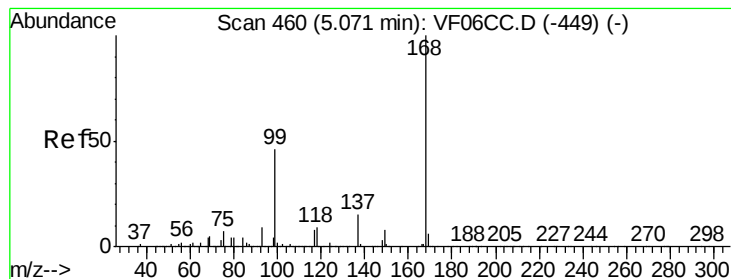
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	426719	48.892	ug/l	95
94) Hexachlorobutadiene	14.23	225	297791	49.320	ug/l	98
95) Naphthalene	14.50	128	713508	49.900	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	391811	49.180	ug/l	96

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



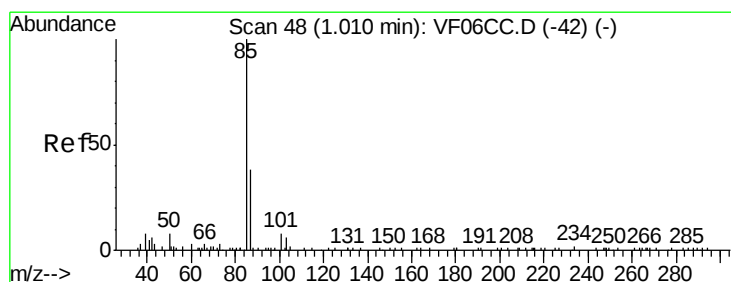
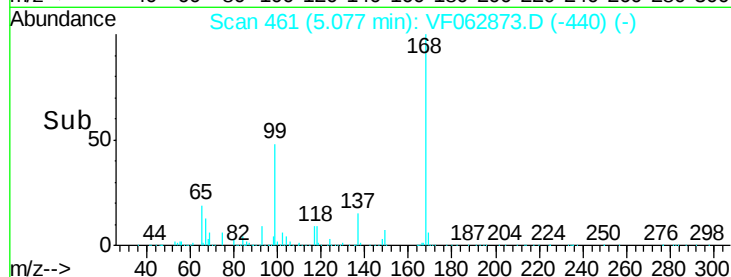
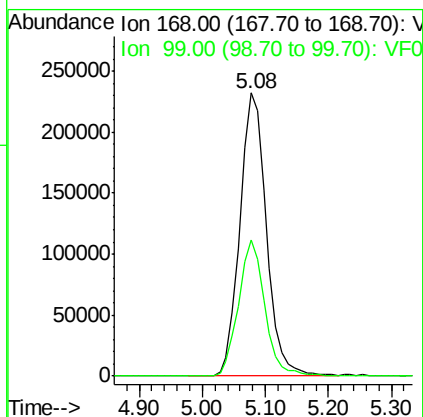
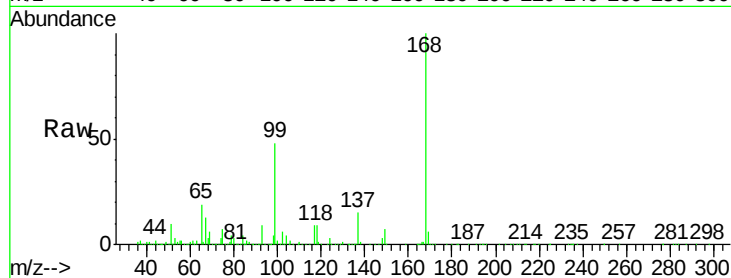
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.08 min Scan# 461
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.1	39.1	58.7

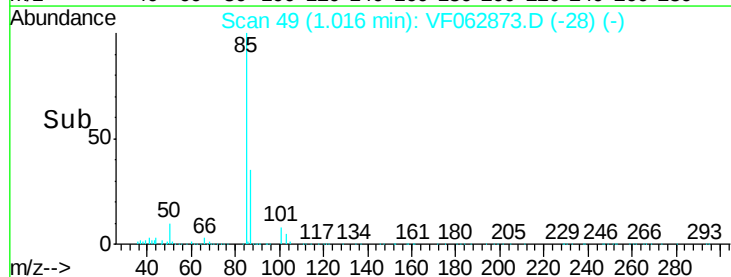
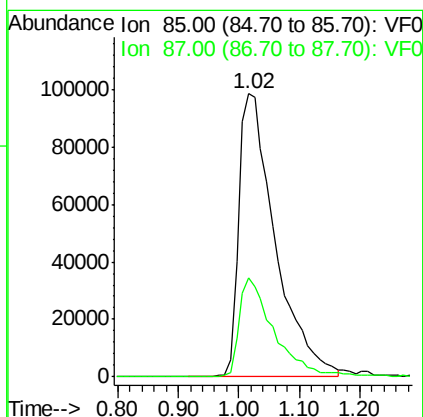
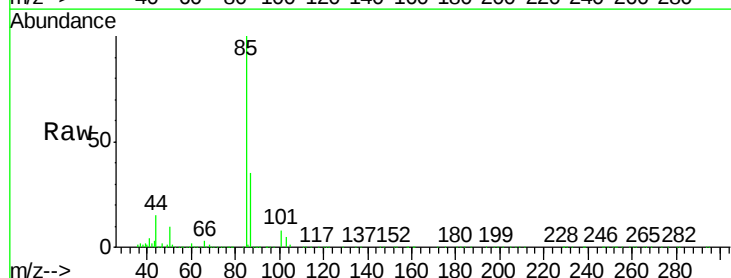
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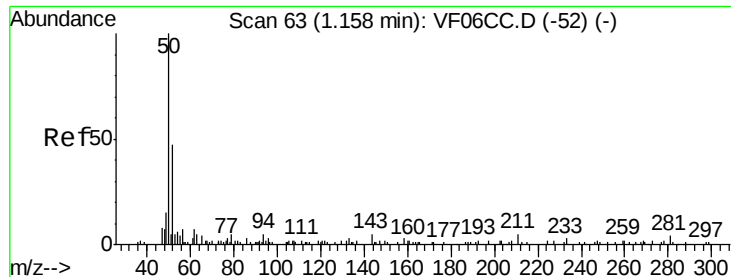
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#2
Dichlorodifluoromethane
Concen: 54.146 ug/l
RT: 1.02 min Scan# 49
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.2	17.6	52.9





#3

Chloromethane

Concen: 49.582 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 347424

Ion Ratio Lower Upper

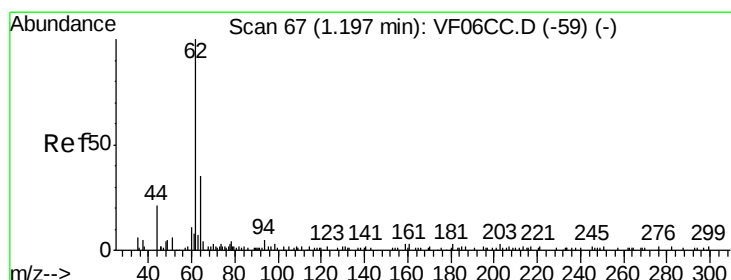
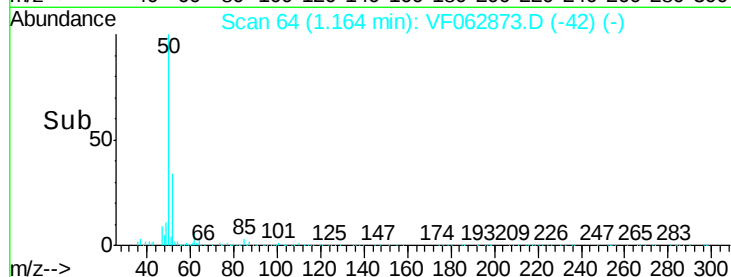
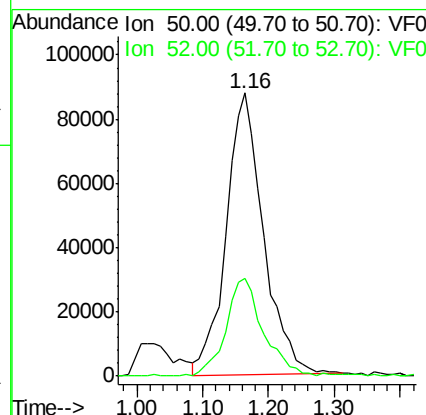
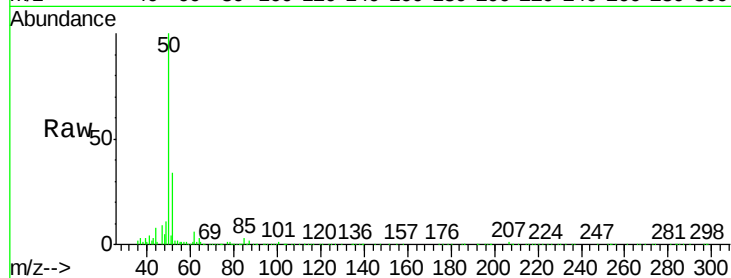
50 100

52 34.3 27.0 40.4

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#4

Vinyl Chloride

Concen: 48.784 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.01 min

Lab File: VF062873.D

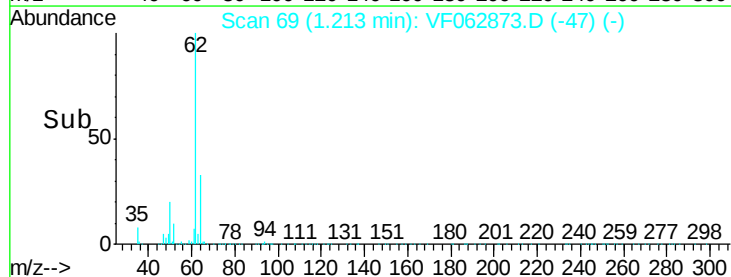
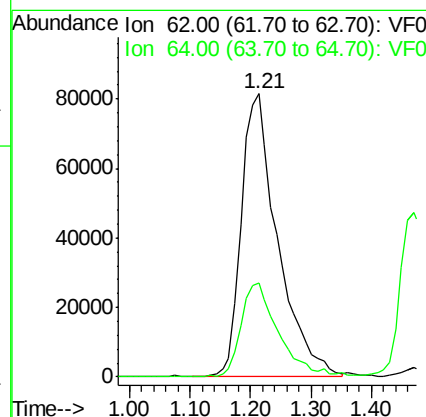
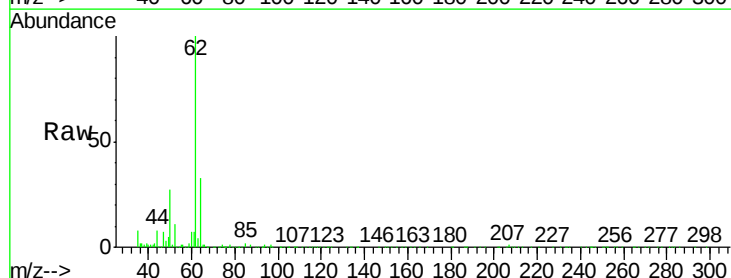
Acq: 5 Jun 2019 18:54

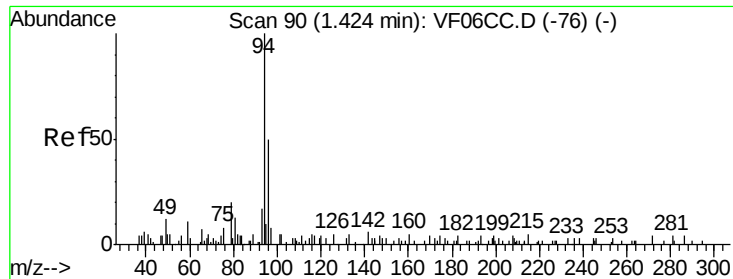
Tgt Ion: 62 Resp: 339687

Ion Ratio Lower Upper

62 100

64 33.2 26.2 39.2





#5

Bromomethane

Concen: 57.301 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 227548

Ion Ratio Lower Upper

94 100

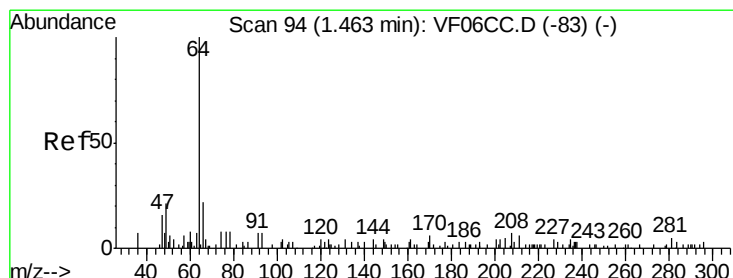
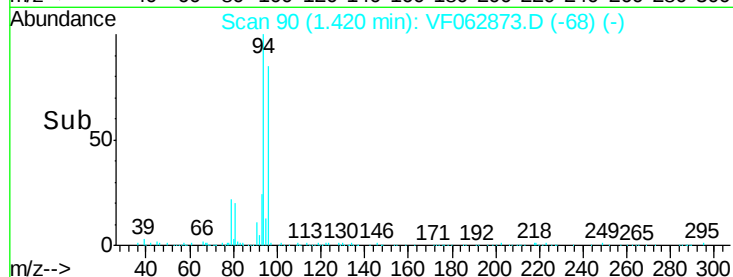
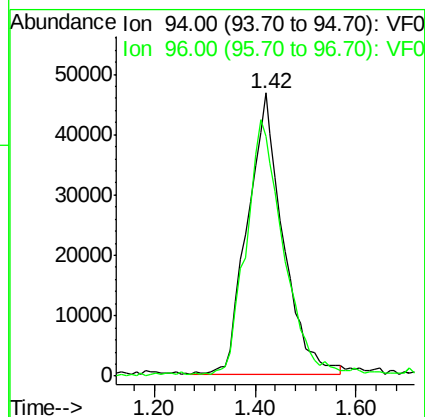
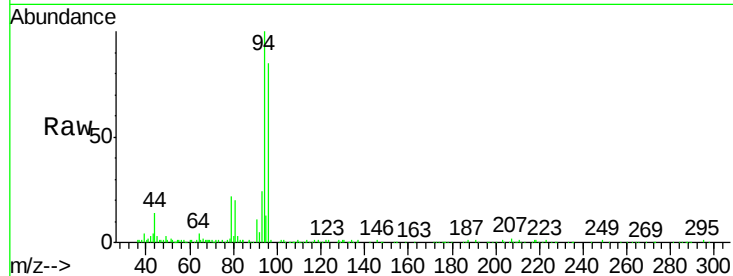
96 84.6 73.8 110.6

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#6

Chloroethane

Concen: 60.517 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF062873.D

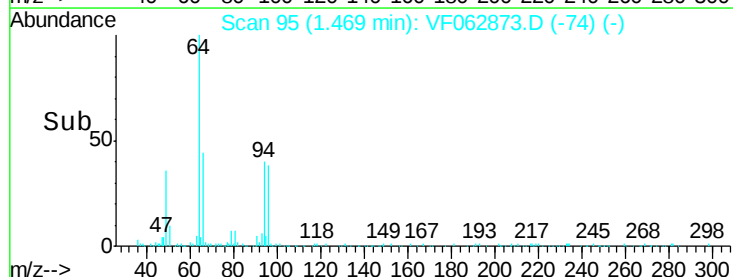
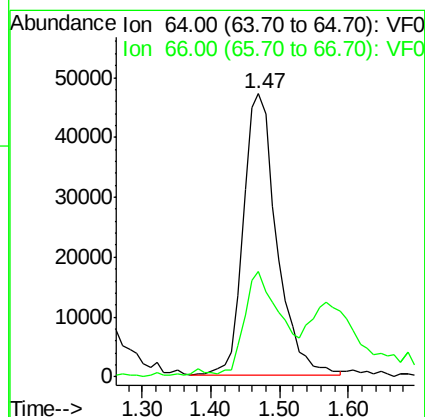
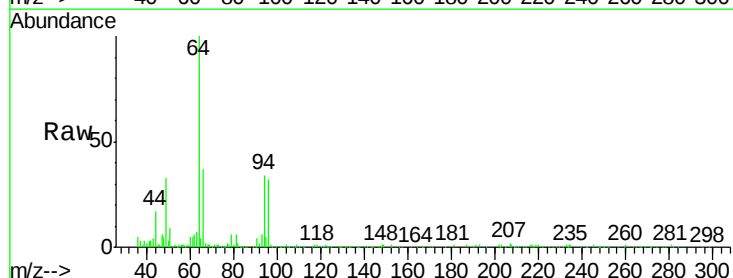
Acq: 5 Jun 2019 18:54

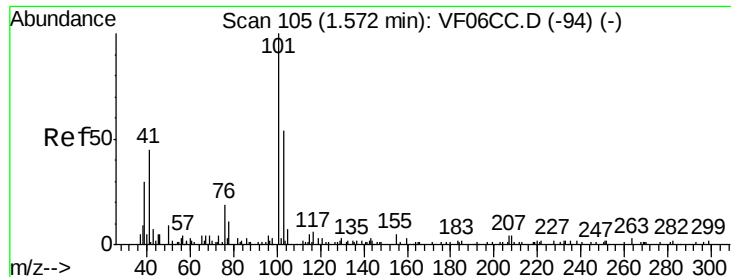
Tgt Ion: 64 Resp: 157553

Ion Ratio Lower Upper

64 100

66 37.4 31.0 46.4





#7

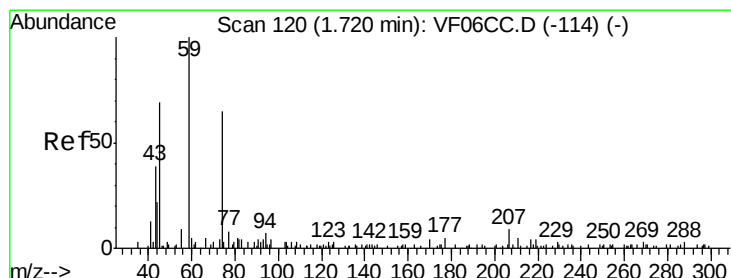
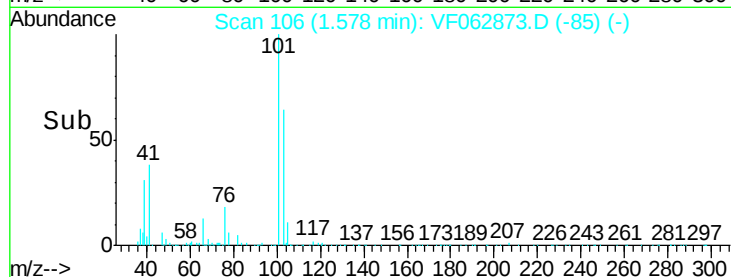
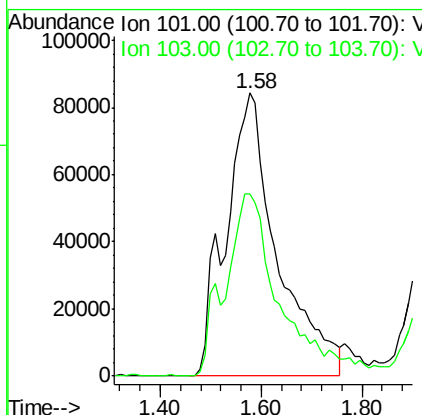
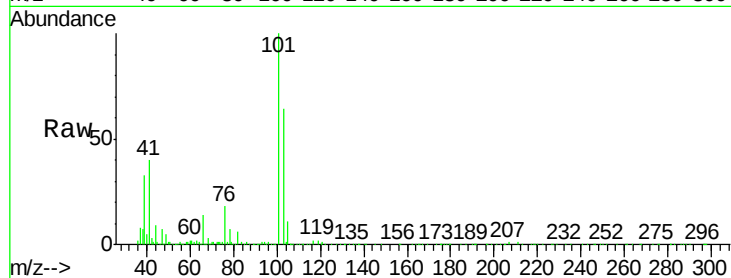
Trichlorofluoromethane
Concen: 60.677 ug/l m
RT: 1.58 min Scan# 106
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	54.6	82.0

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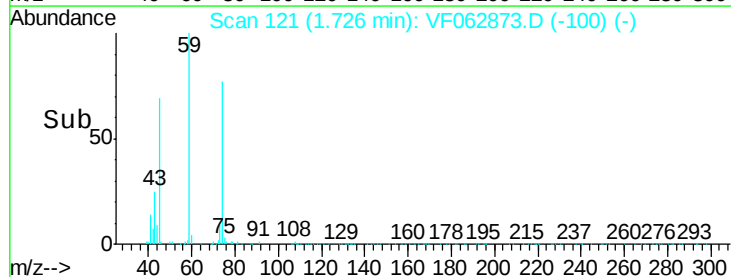
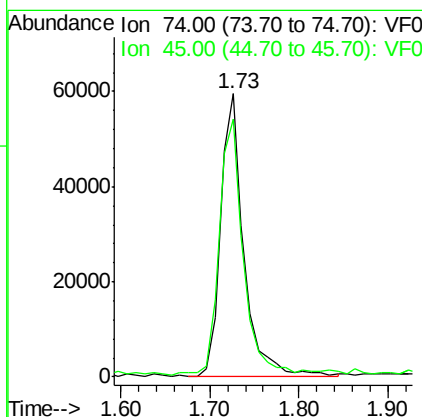
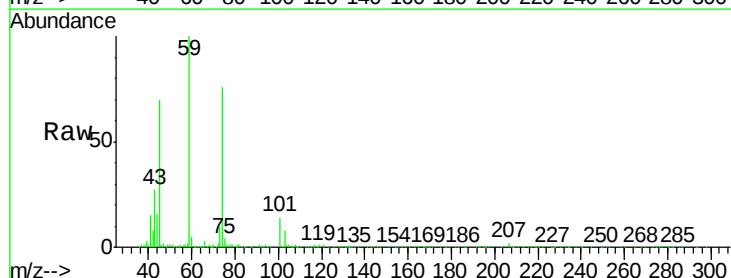
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6/6/2019 11:51:13 AM

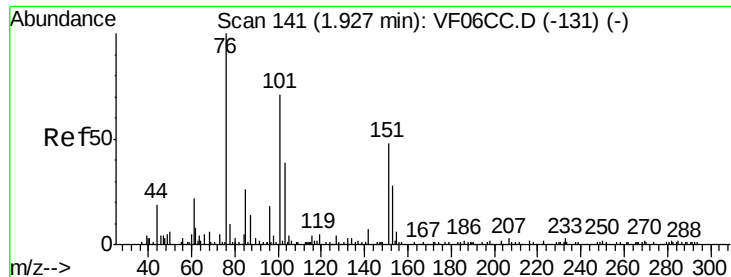


#8

Diethyl Ether
Concen: 55.021 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.514 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

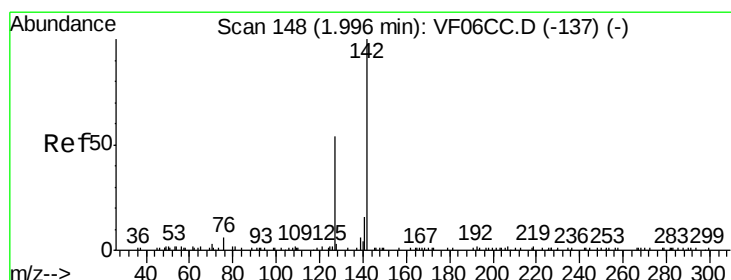
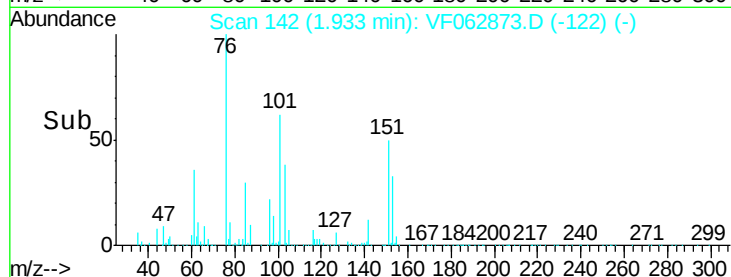
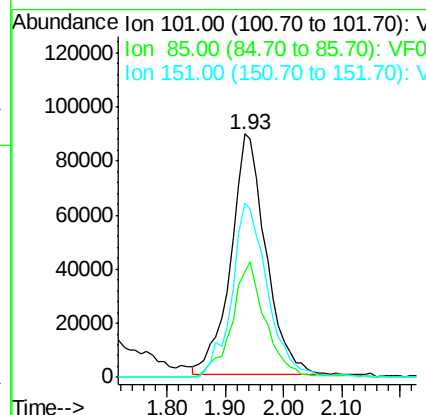
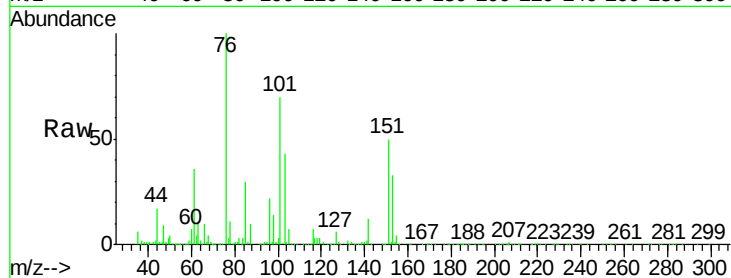
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	375033
Ion Ratio	Lower	Upper	
101	100		
85	43.1	37.1	55.7
151	71.5	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 57.531 ug/l m

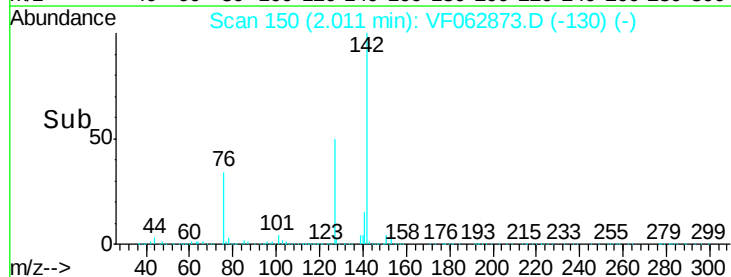
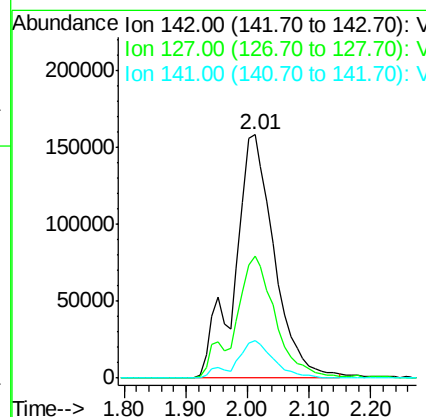
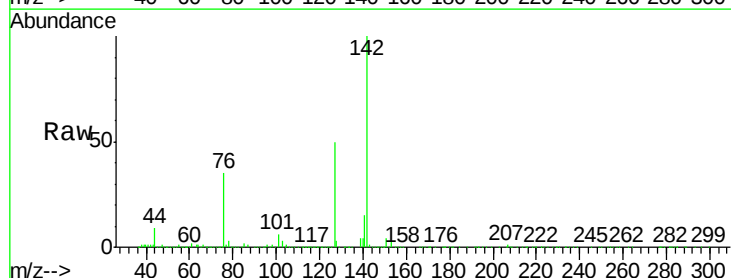
RT: 2.01 min Scan# 150

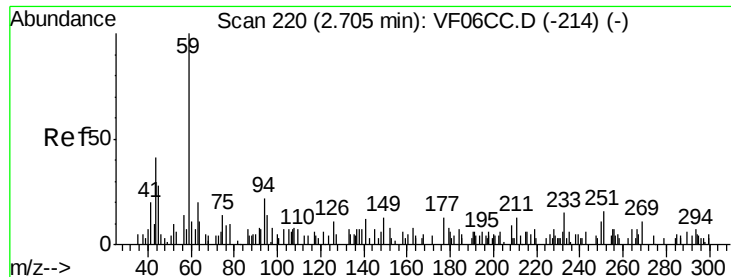
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	142	Resp:	714903
Ion Ratio	Lower	Upper	
142	100		
127	50.1	39.4	59.2
141	15.2	10.6	15.8





#11

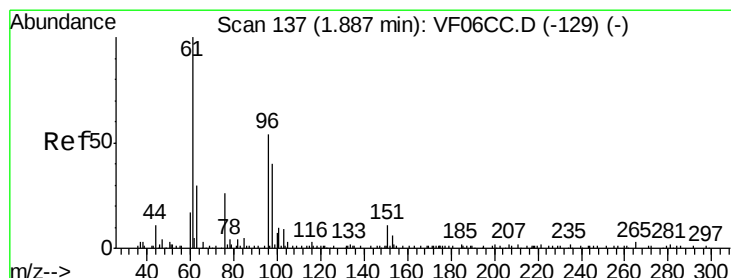
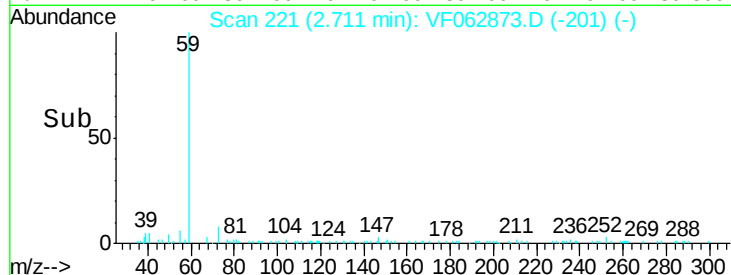
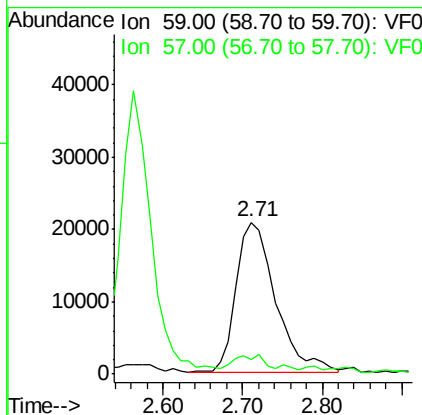
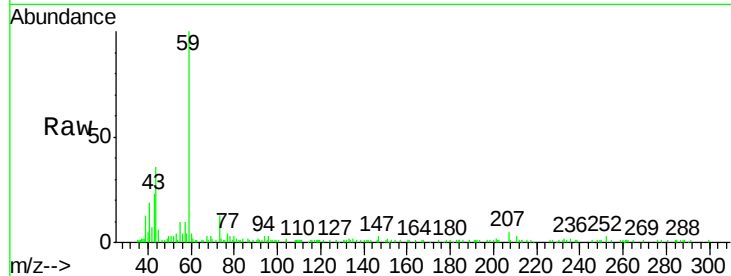
Tert butyl alcohol
Concen: 252.590 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	9.2	13.8

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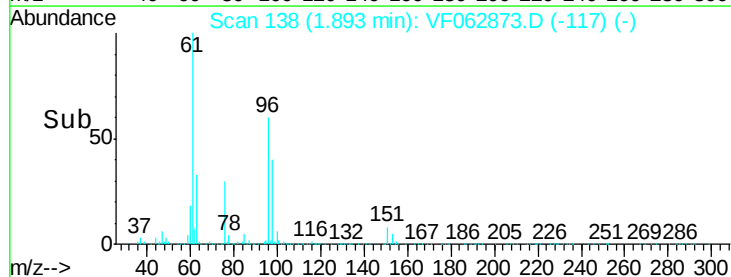
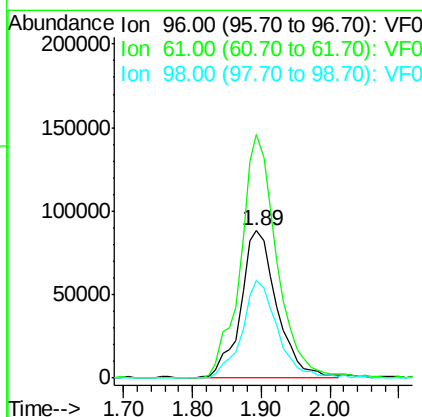
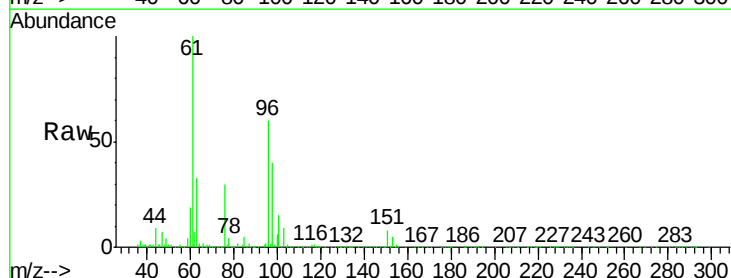
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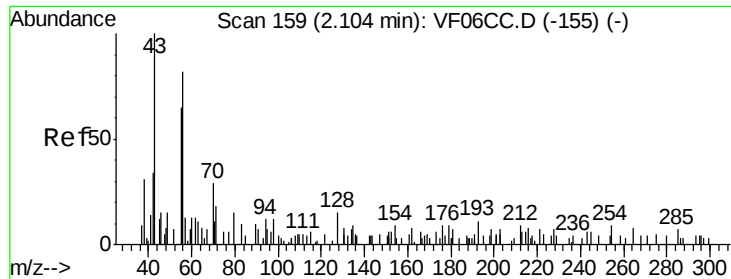


#12

1,1-Dichloroethene
Concen: 56.873 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	139.4	209.2
98	66.3	50.3	75.5





#13

Acrolein

Concen: 242.159 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 27473

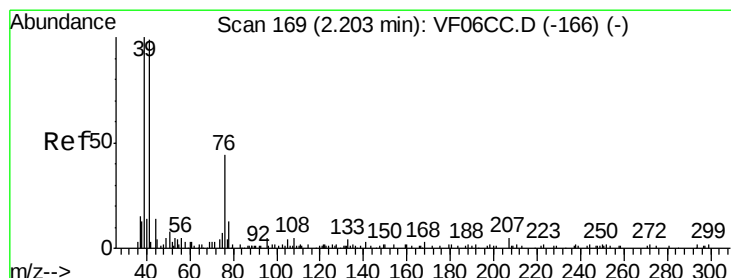
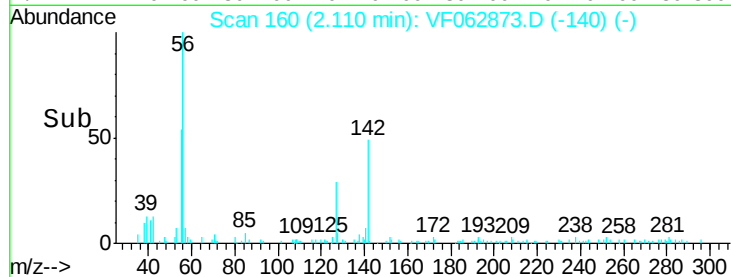
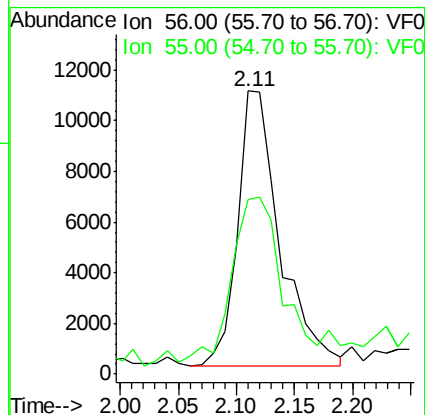
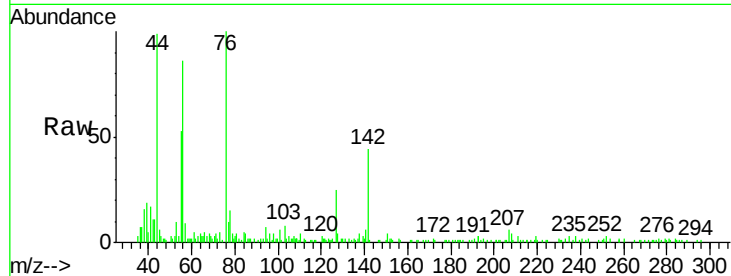
Ion Ratio Lower Upper

56 100

55 61.5 52.9 79.3

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#14

Allyl chloride

Concen: 51.212 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

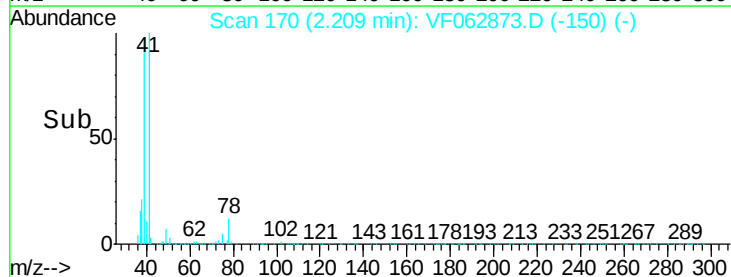
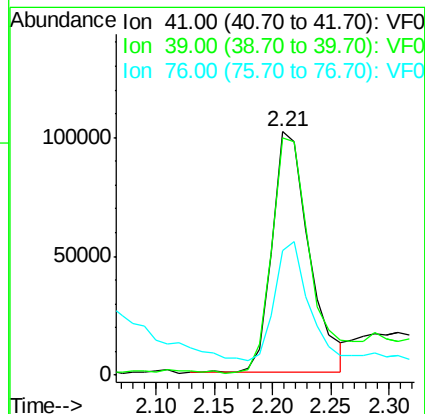
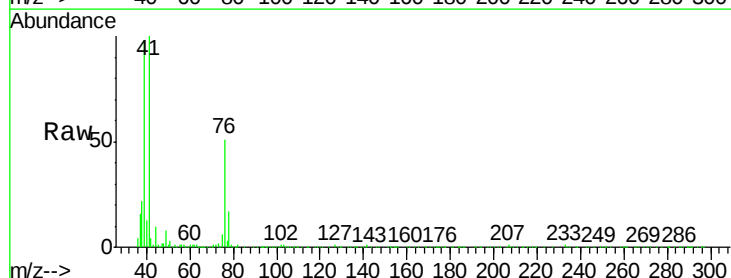
Tgt Ion: 41 Resp: 223585

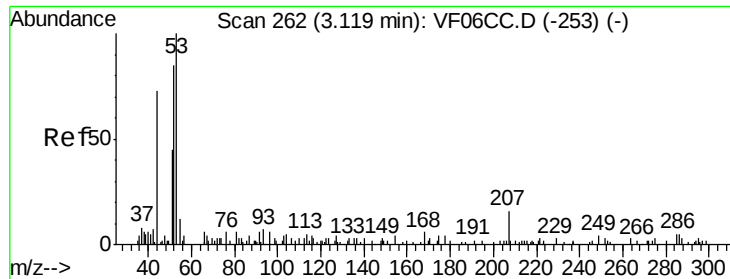
Ion Ratio Lower Upper

41 100

39 97.7 71.9 107.9

76 51.2 39.6 59.4





#15

Acrylonitrile

Concen: 331.325 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

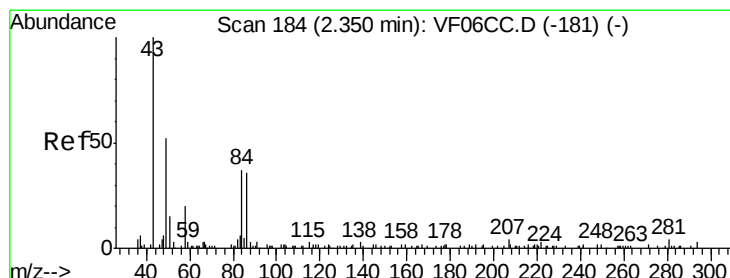
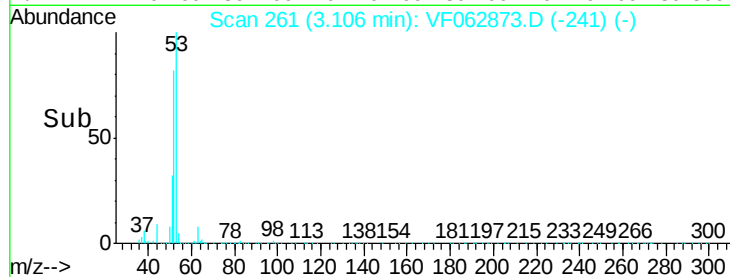
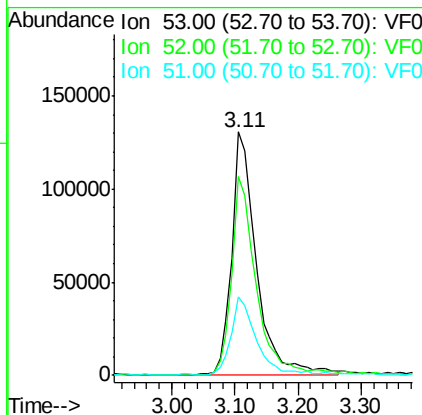
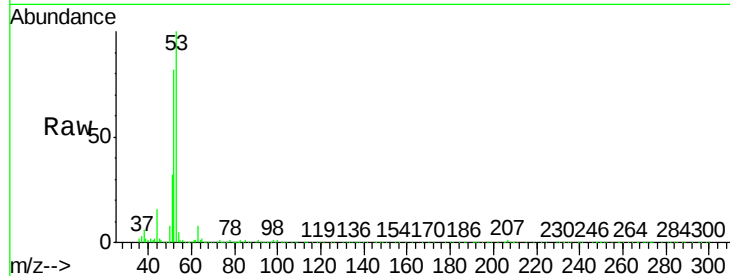
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	353183
Ion Ratio		Lower	Upper
53	100		
52	81.8	68.1	102.1
51	32.4	27.7	41.5

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#16

Acetone

Concen: 246.670 ug/l

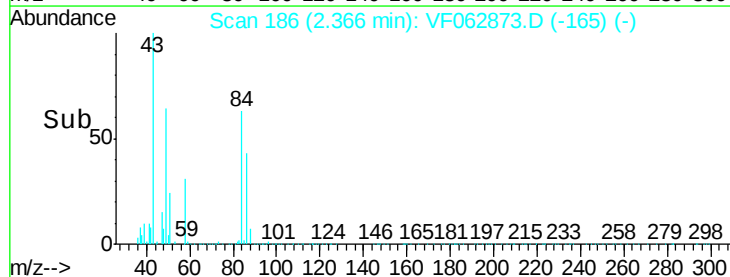
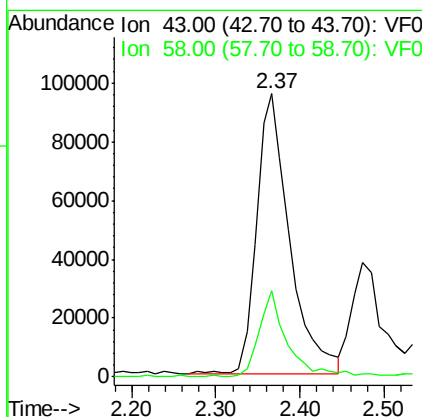
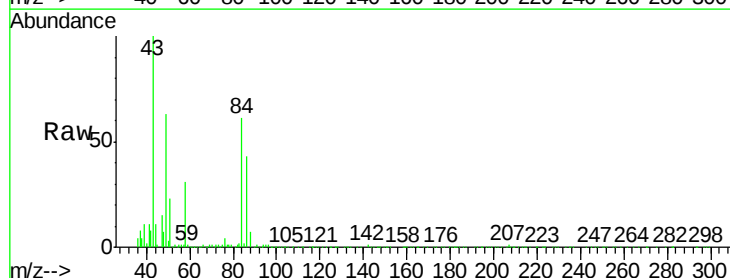
RT: 2.37 min Scan# 186

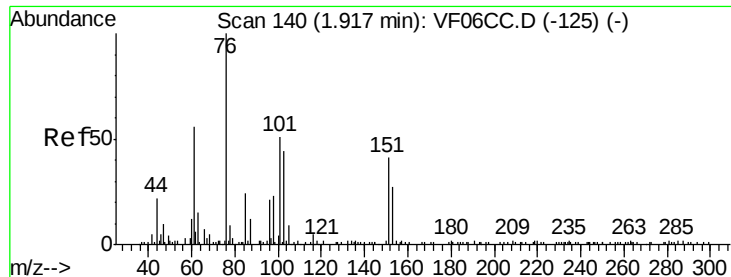
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	43	Resp:	264383
Ion Ratio		Lower	Upper
43	100		
58	30.6	19.0	28.4#





#17

Carbon Disulfide

Concen: 55.323 ug/l m

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tot Ion: 76 Resp: 909945

Ion Ratio Lower Upper

76 100

78 11.3 9.4 14.2

Instrument :

MSVOA_F

ClientSampleId :

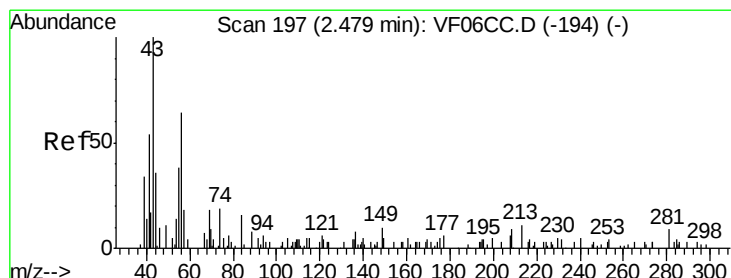
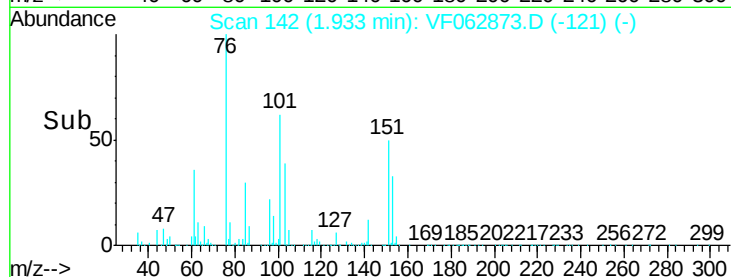
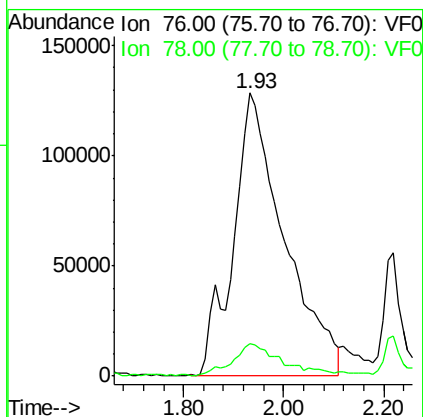
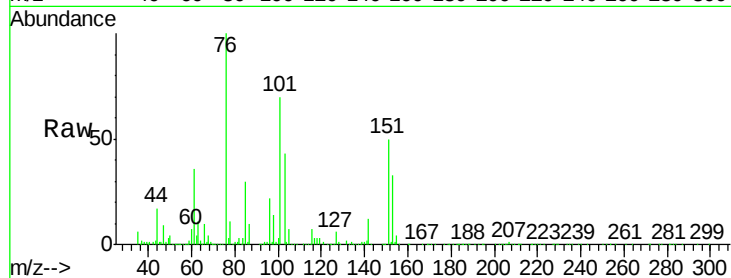
VSTDCCC050EC

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#18

Methyl Acetate

Concen: 46.578 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062873.D

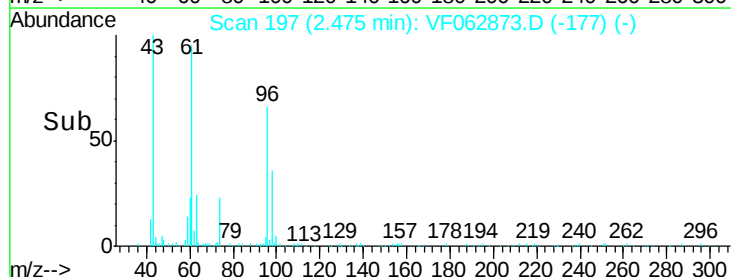
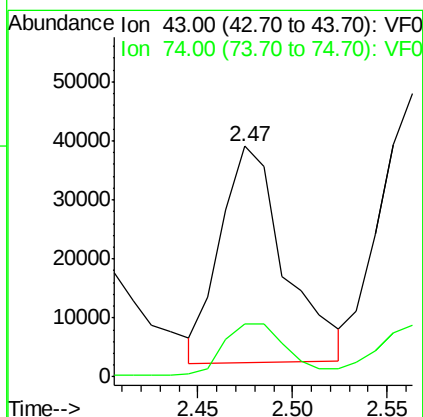
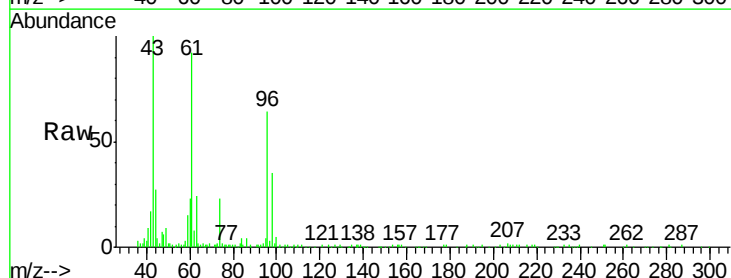
Acq: 5 Jun 2019 18:54

Tgt Ion: 43 Resp: 87240

Ion Ratio Lower Upper

43 100

74 23.1 22.1 33.1





#19

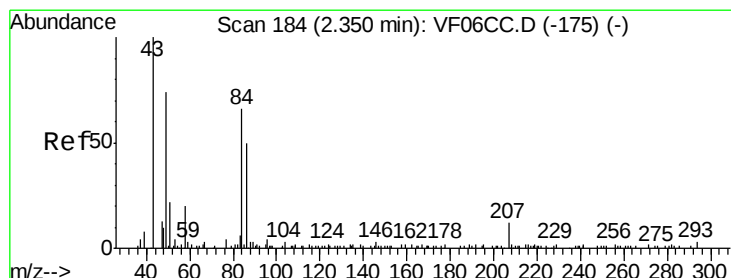
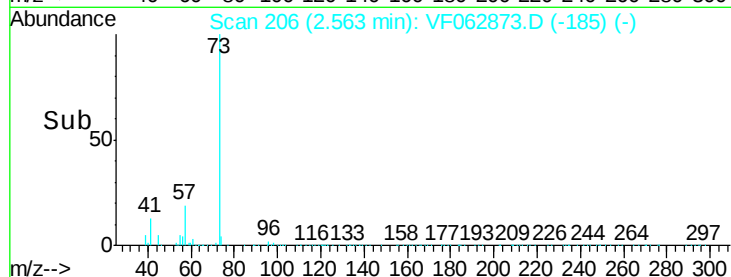
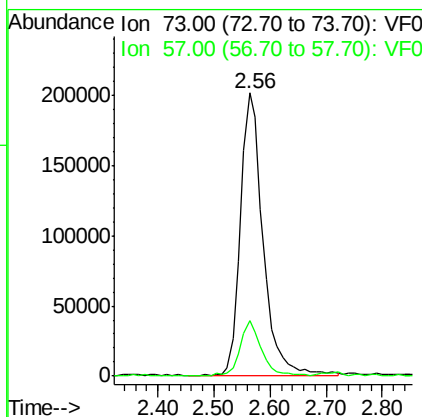
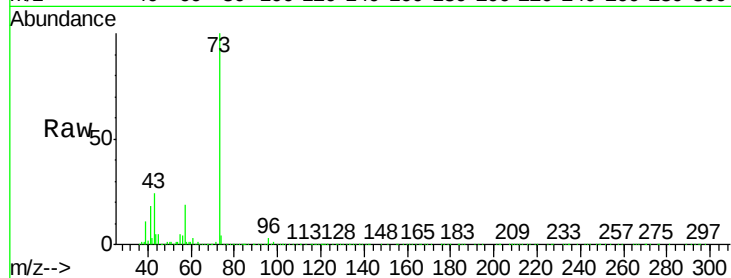
Methyl tert-butyl Ether
 Concen: 55.263 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	15.1	22.7

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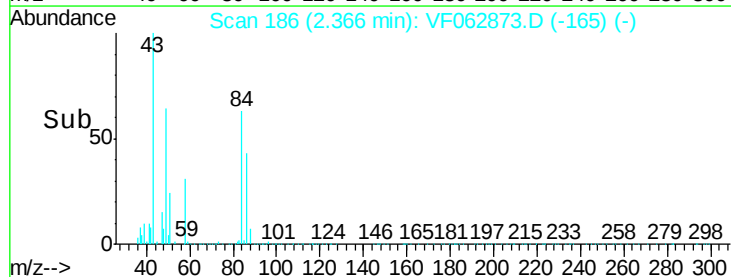
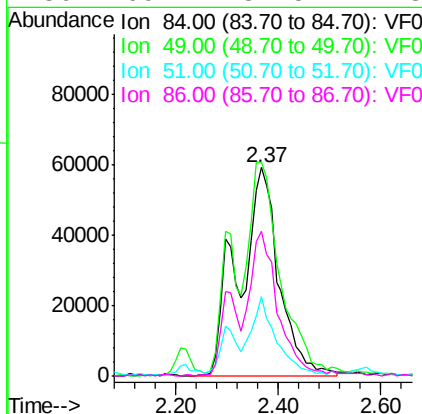
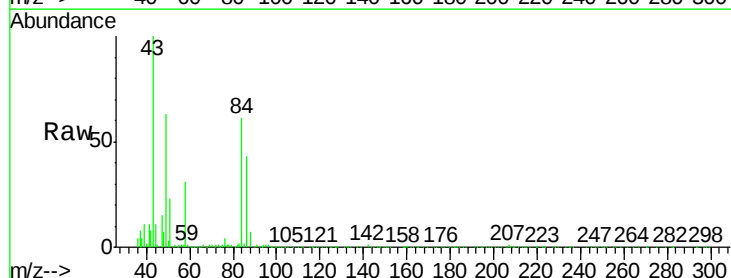
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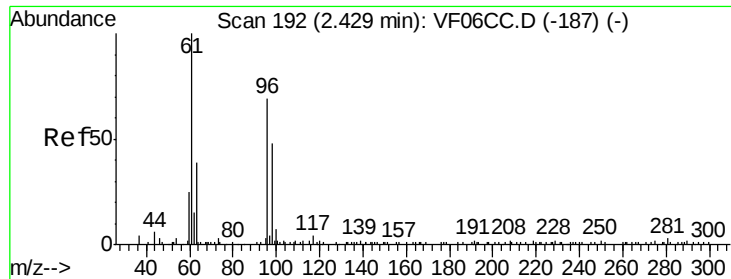


#20

Methylene Chloride
 Concen: 60.164 ug/l m
 RT: 2.37 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.6	82.6	123.8
51	38.1	25.0	37.4#
86	69.4	51.5	77.3





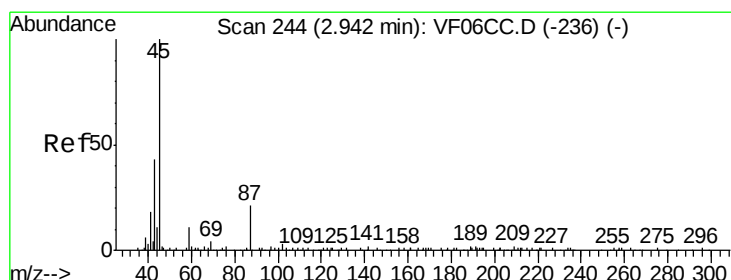
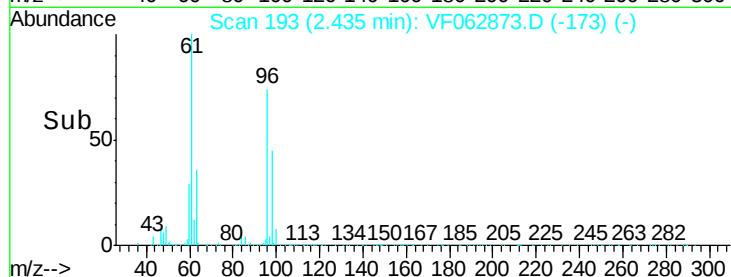
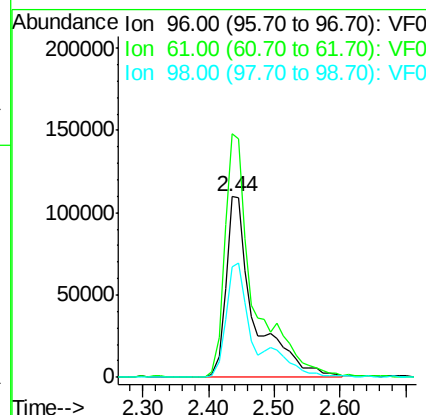
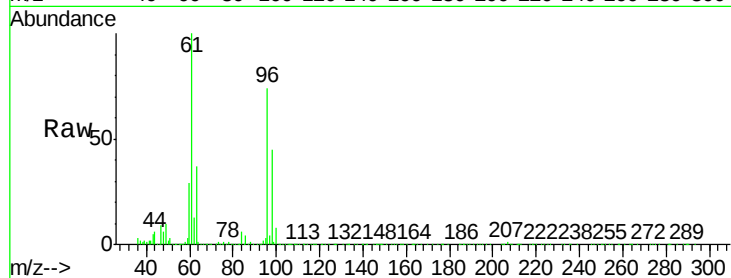
#21
trans-1,2-Dichloroethene
Concen: 58.238 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	105.0	157.6
98	61.1	51.1	76.7

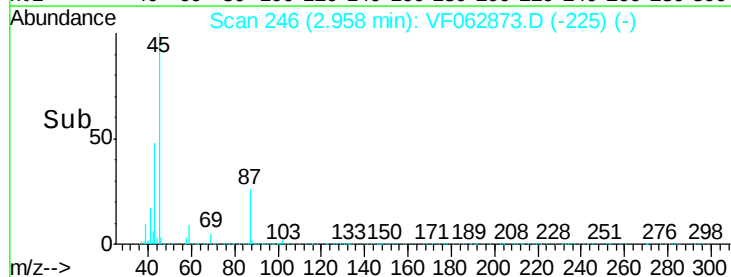
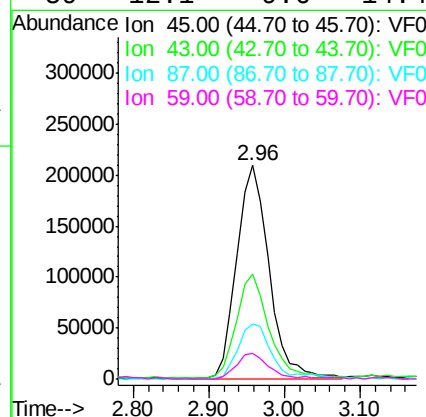
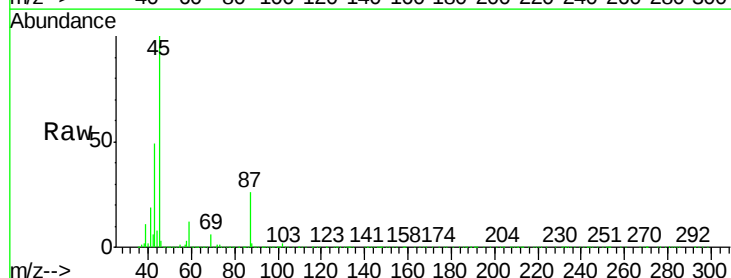
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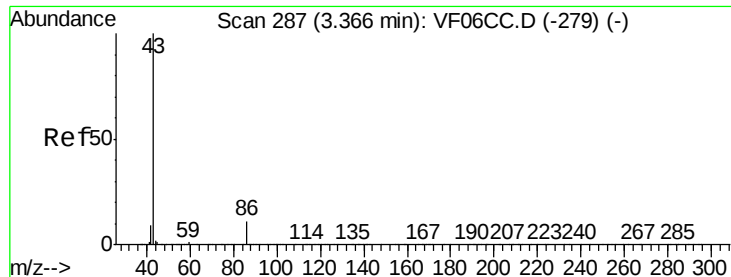
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#22
Diisopropyl ether
Concen: 49.946 ug/l
RT: 2.96 min Scan# 246
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.1	34.3	51.5
87	25.7	19.0	28.4
59	12.1	9.6	14.4





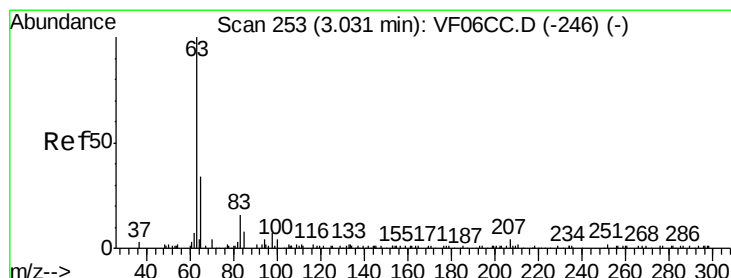
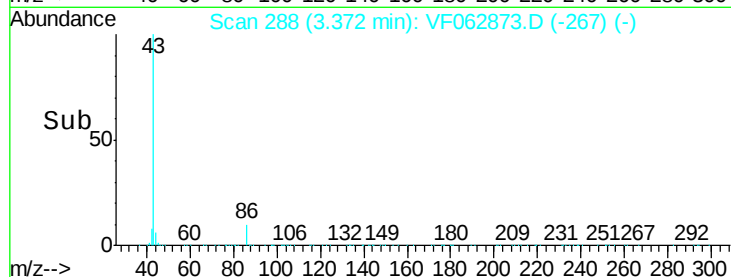
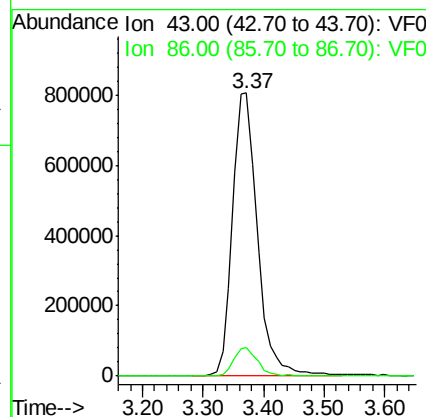
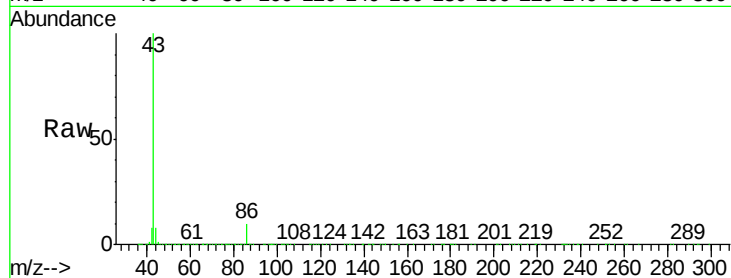
#23
 Vinyl Acetate
 Concen: 271.149 ug/l
 RT: 3.37 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2302521
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.2

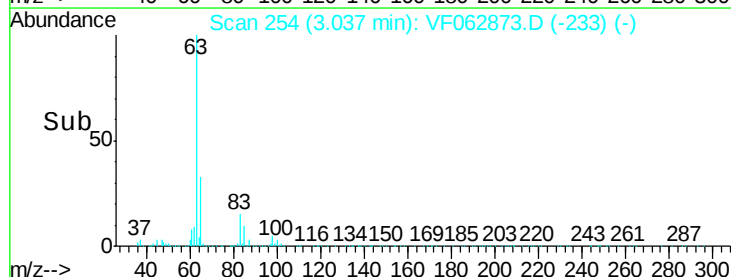
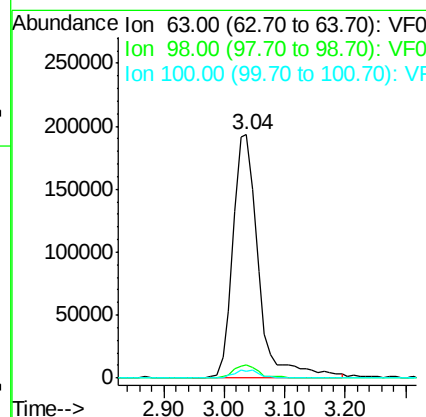
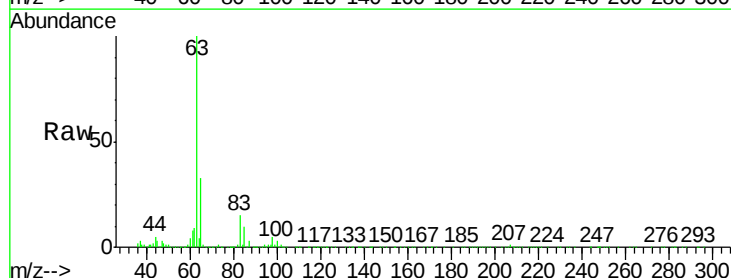
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#24
 1,1-Dichloroethane
 Concen: 61.218 ug/l
 RT: 3.04 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion: 63 Resp: 566954
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.4 7.1
 100 3.0 1.5 4.5





#25

2-Butanone

Concen: 255.701 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.01 min

Lab File: VF062873.D

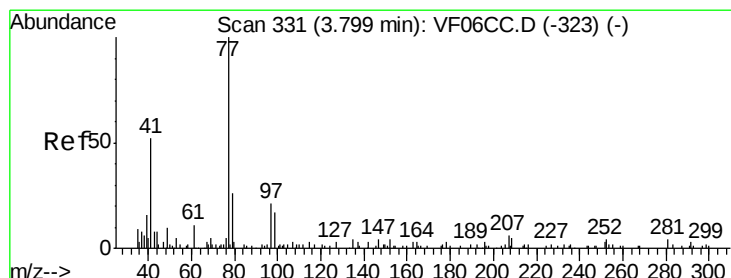
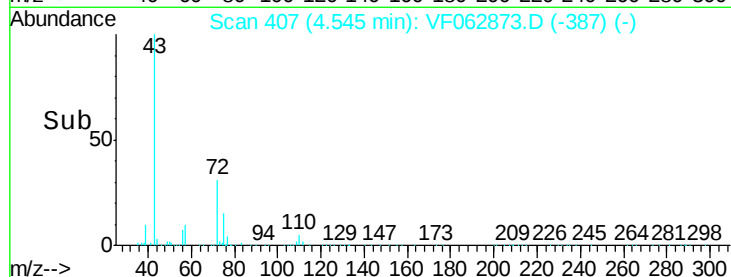
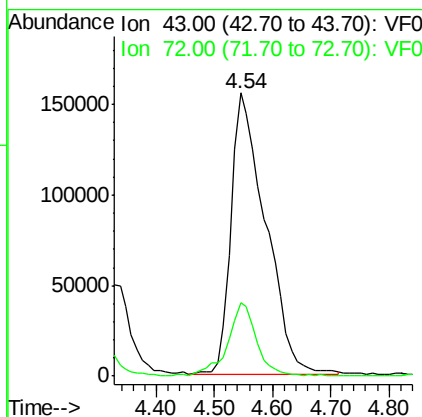
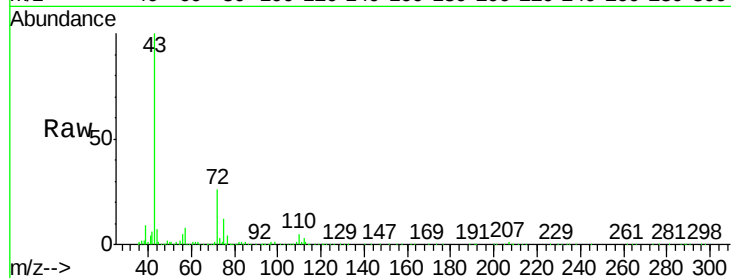
Acq: 5 Jun 2019 18:54

Tot Ion:	43	Resp:	638230
Ion	Ratio	Lower	Upper
43	100		
72	25.9	21.4	32.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 57.402 ug/l

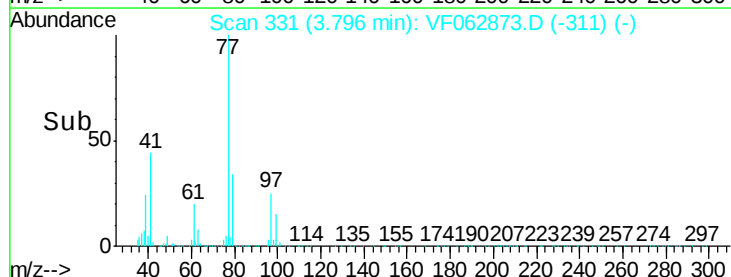
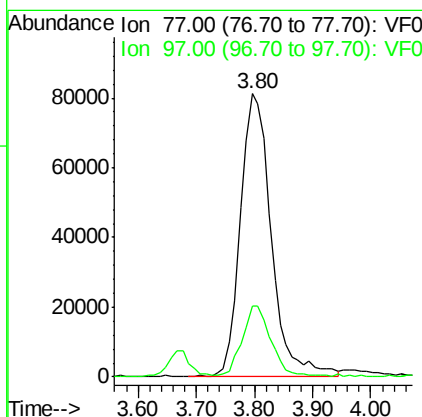
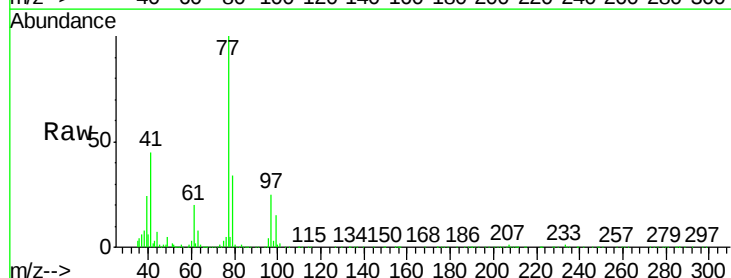
RT: 3.80 min Scan# 331

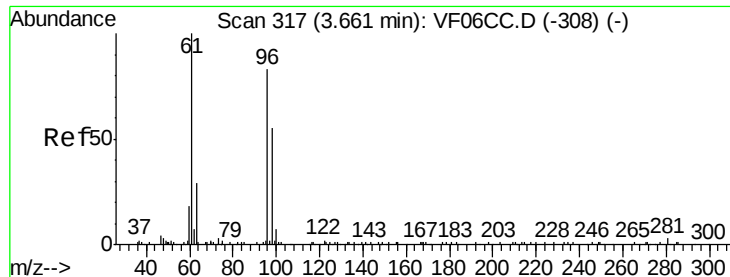
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	77	Resp:	301851
Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.4	37.4





#27

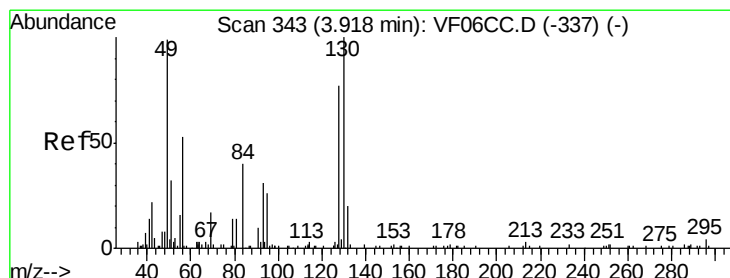
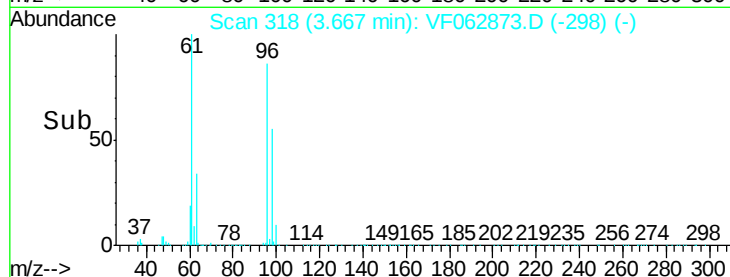
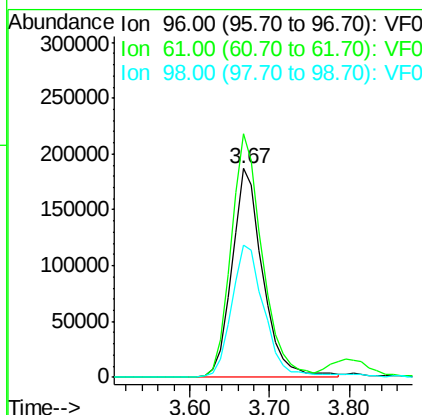
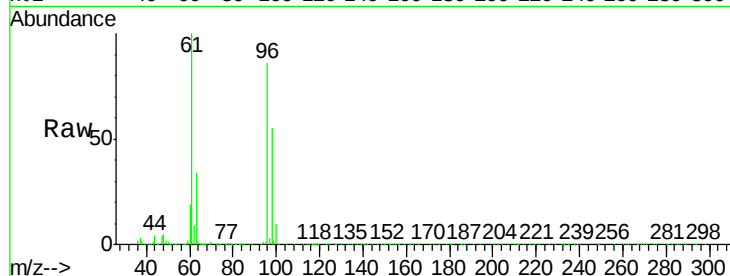
cis-1,2-Dichloroethene
Concen: 52.971 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	502418		
61	116.6		0.0	213.8
98	63.6		0.0	127.0

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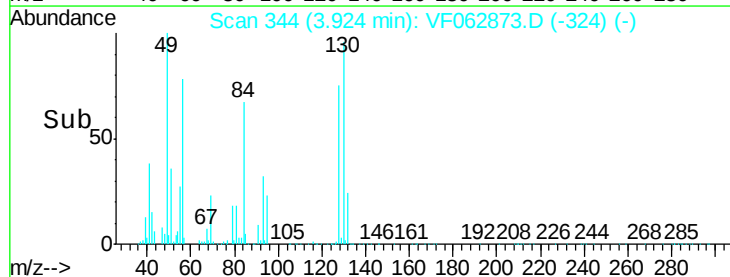
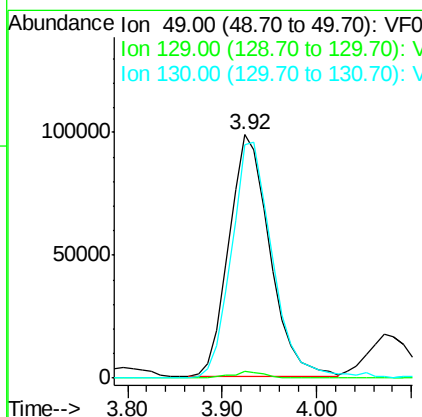
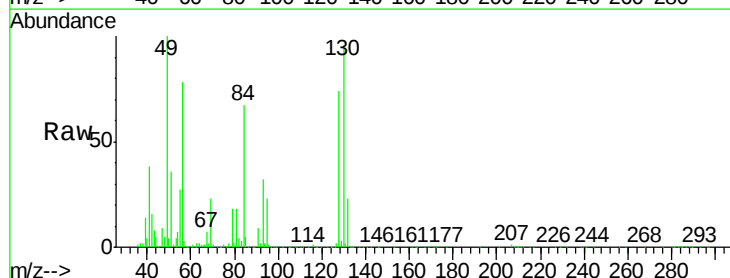
MMDadoda
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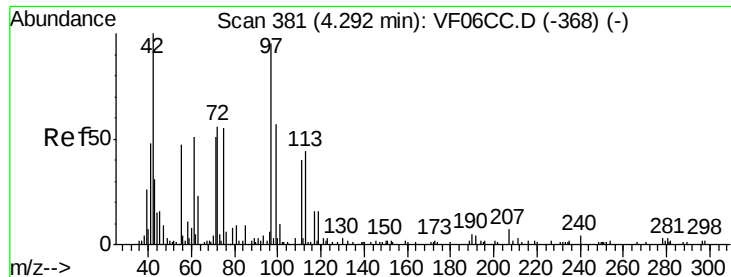


#28

Bromochloromethane
Concen: 58.864 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	296535		
129	2.9		0.0	5.4
130	96.1		79.2	118.8





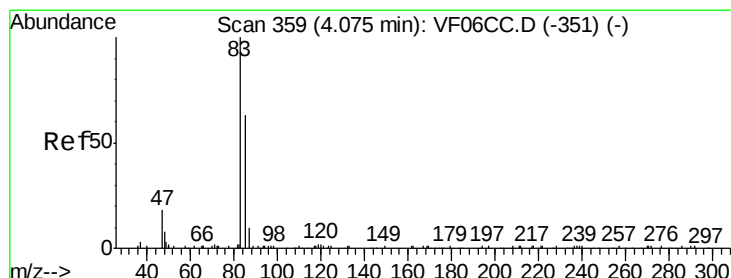
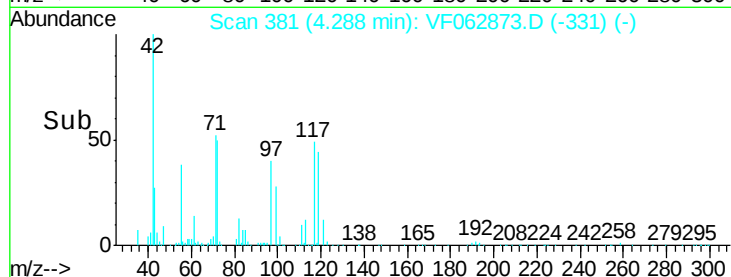
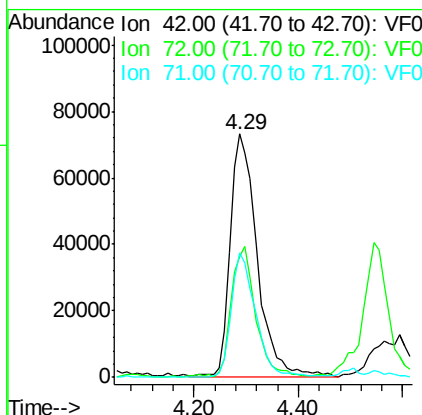
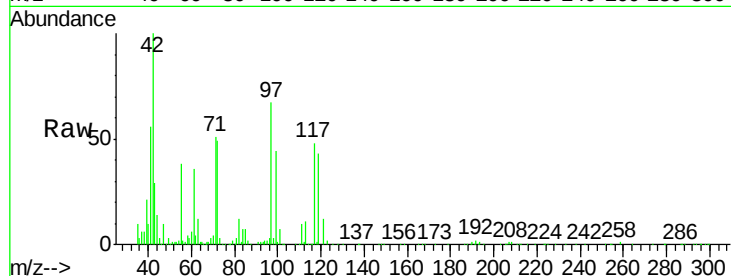
#29
Tetrahydrofuran
Concen: 268.129 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	39.0	58.6
71	46.8	36.9	55.3

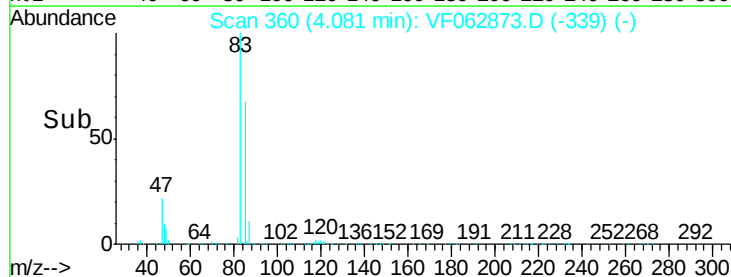
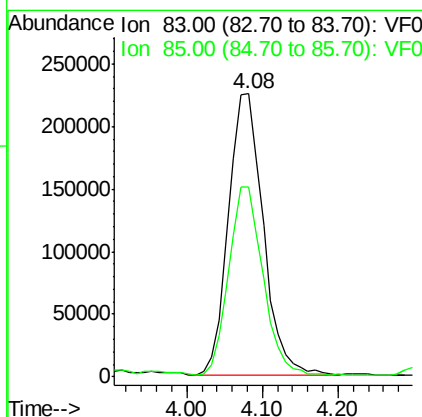
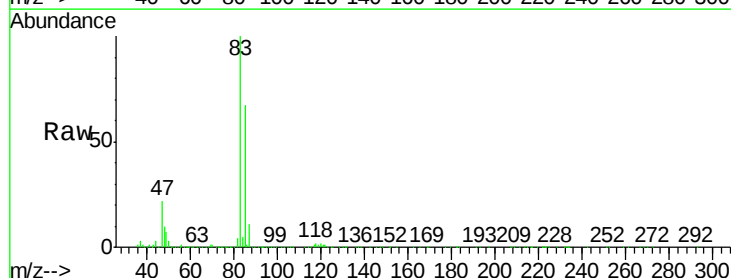
Manual Integrations
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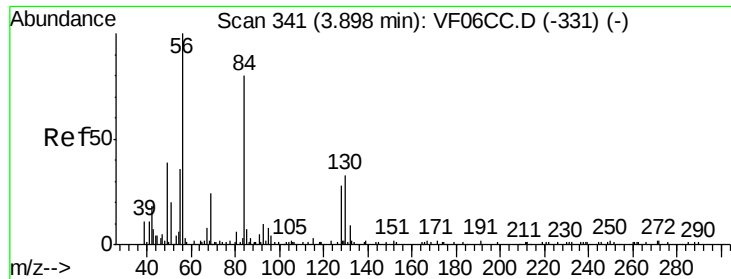
MMDadoda
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#30
Chloroform
Concen: 54.679 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	55.0	82.6





#31

Cyclohexane

Concen: 52.654 ug/l m

RT: 3.90 min Scan# 342

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

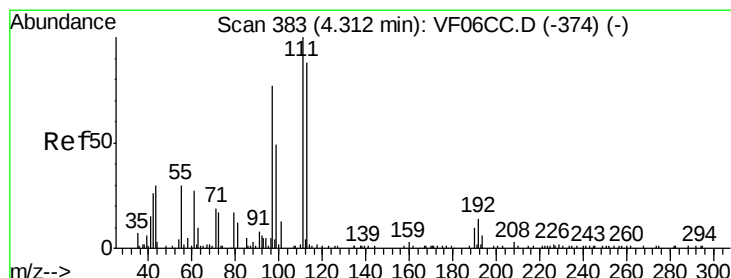
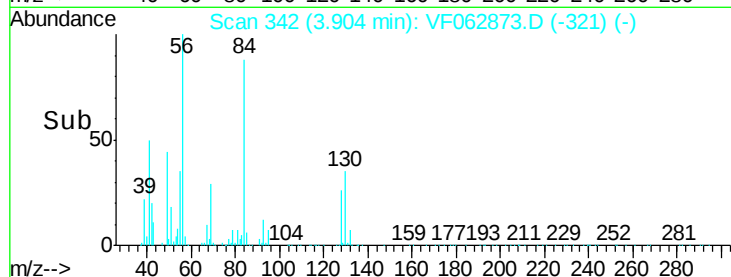
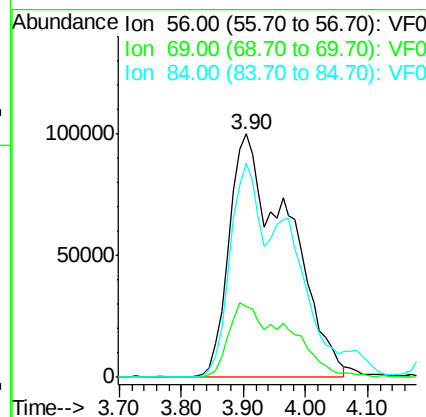
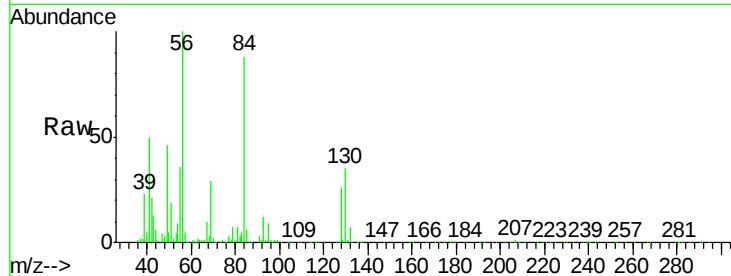
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	660198
Ion	Ratio	Lower	Upper
56	100		
69	29.2	26.7	40.1
84	88.0	74.3	111.5

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#32

1,1,1-Trichloroethane

Concen: 62.128 ug/l

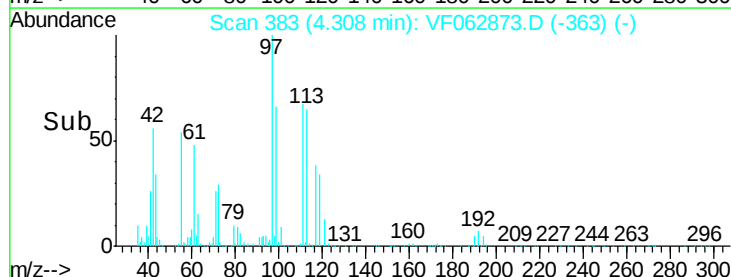
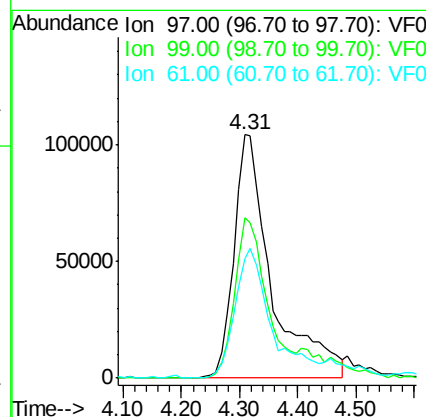
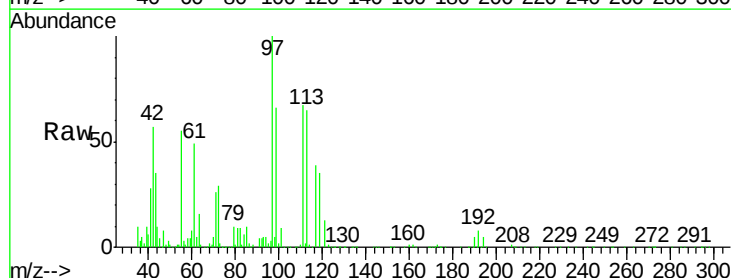
RT: 4.31 min Scan# 383

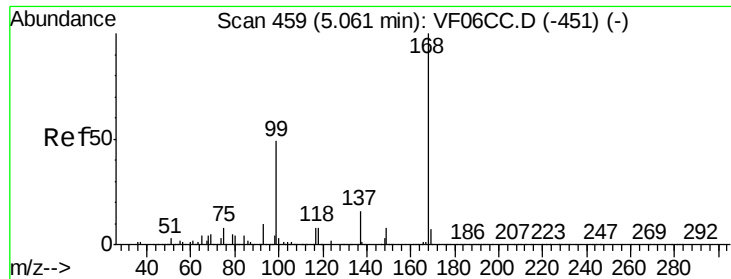
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	97	Resp:	472138
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	48.9	38.9	58.3





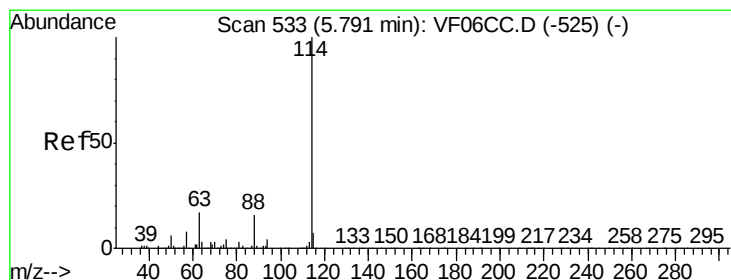
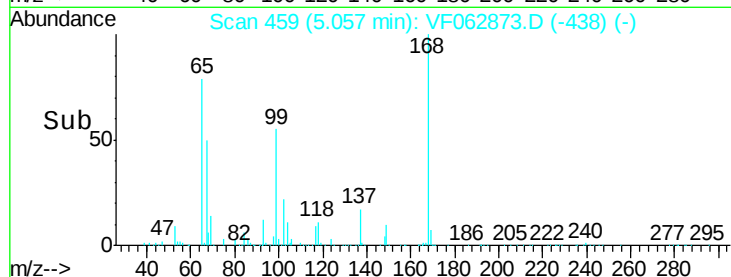
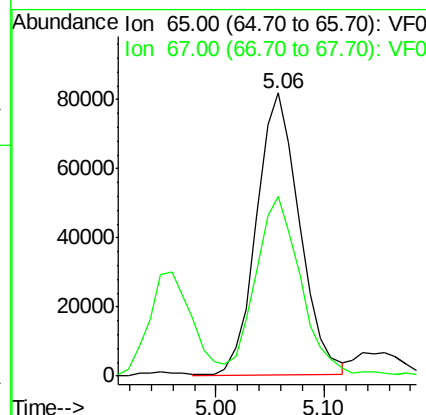
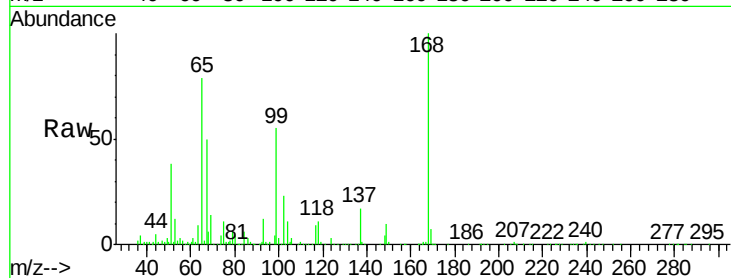
#33
 1,2-Dichloroethane-d4
 Concen: 48.331 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

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

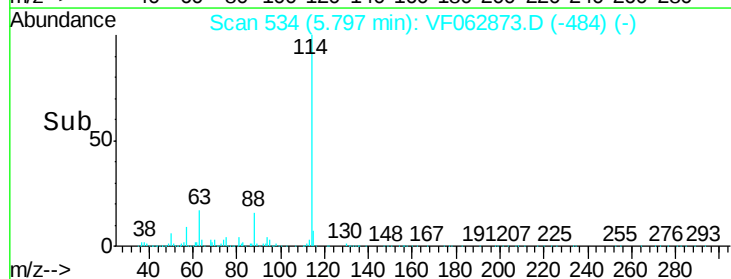
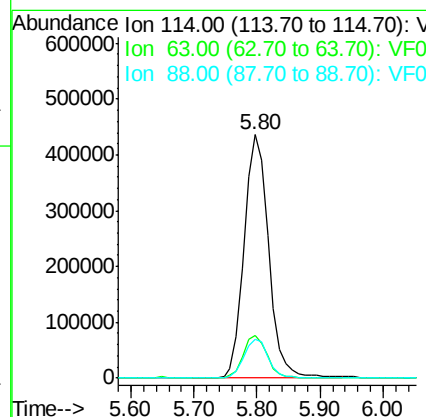
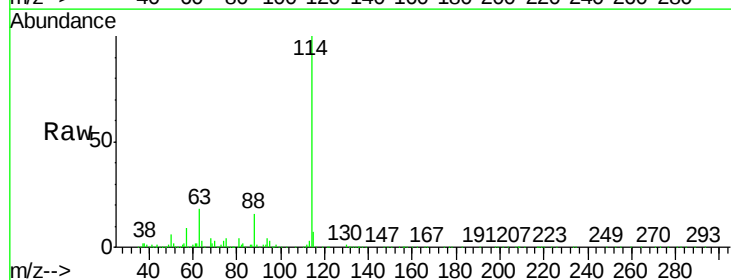
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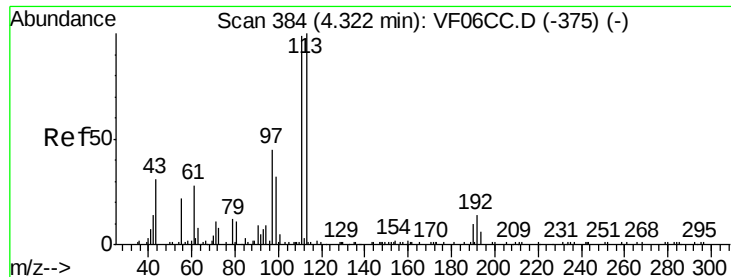
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.5	0.0	34.2	
88	16.1	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.657 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

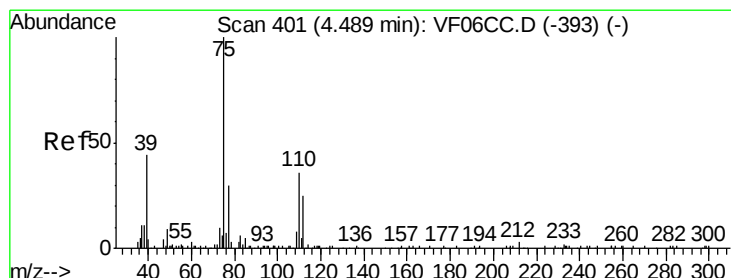
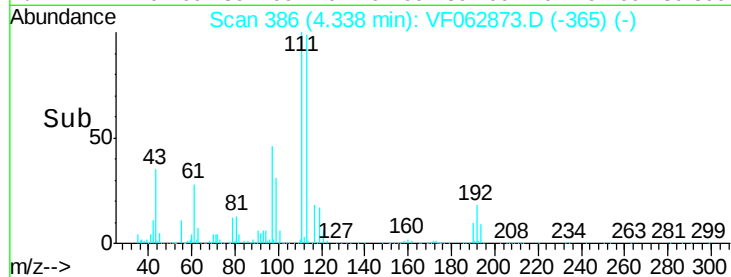
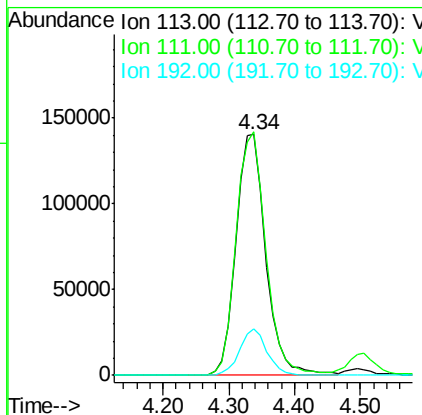
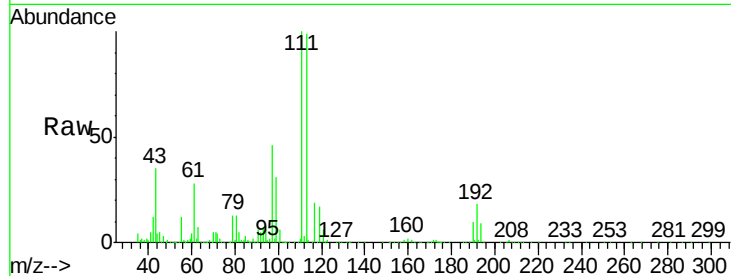
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	449280
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.9	122.9
192	19.2	15.1	22.7

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#36

1,1-Dichloropropene

Concen: 52.837 ug/l

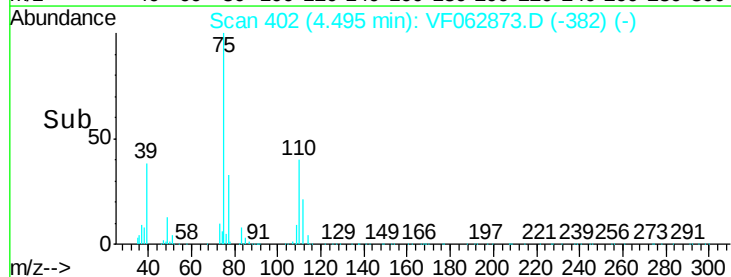
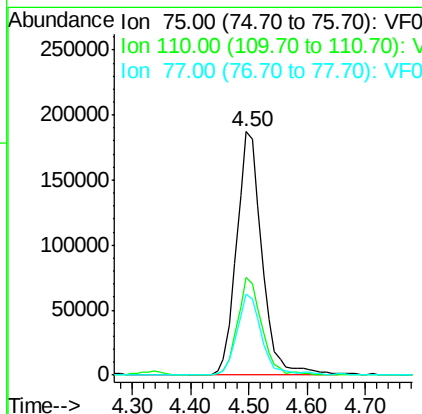
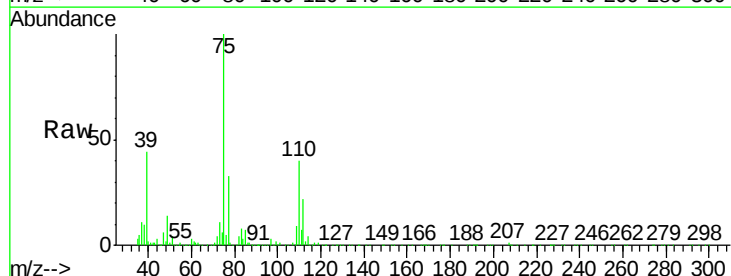
RT: 4.50 min Scan# 402

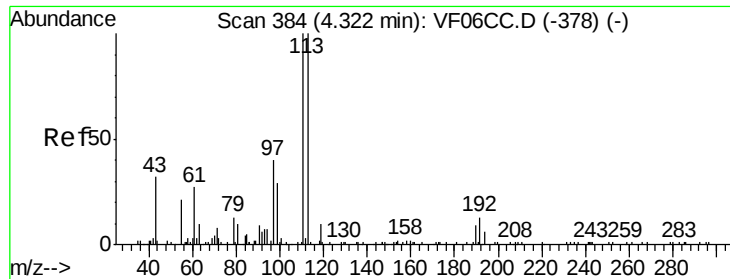
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	75	Resp:	570897
Ion Ratio	Lower	Upper	
75	100		
110	40.1	19.4	58.1
77	33.4	25.4	38.2





#37

Ethyl Acetate

Concen: 50.864 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

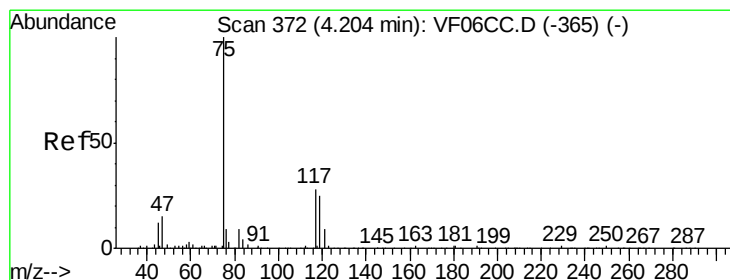
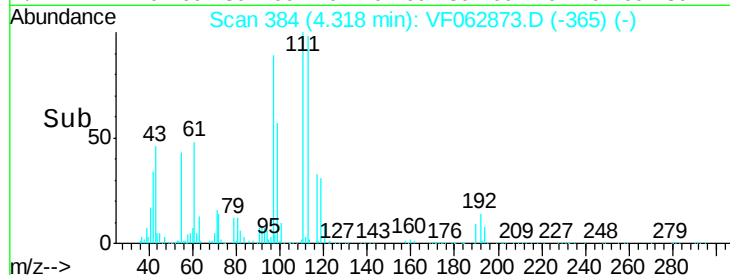
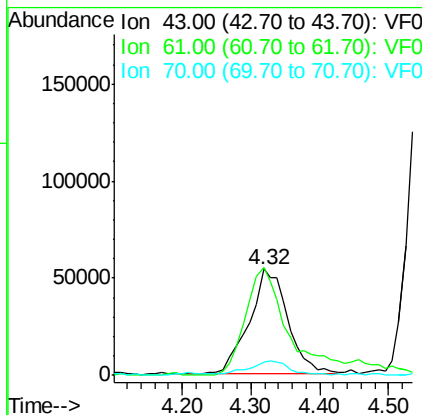
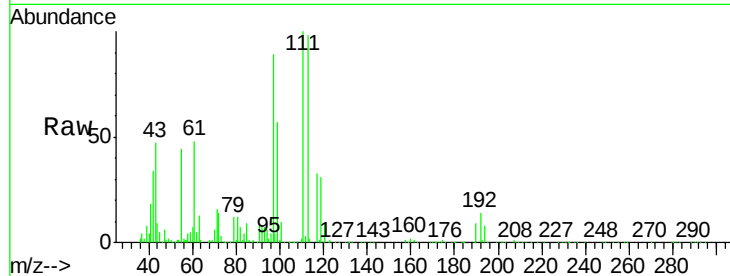
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	210086
Ion	Ratio	Lower	Upper
43	100		
61	101.6	59.1	88.7#
70	12.8	10.1	15.1

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#38

Carbon Tetrachloride

Concen: 57.963 ug/l

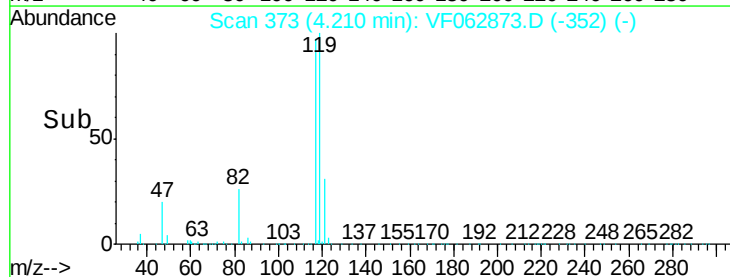
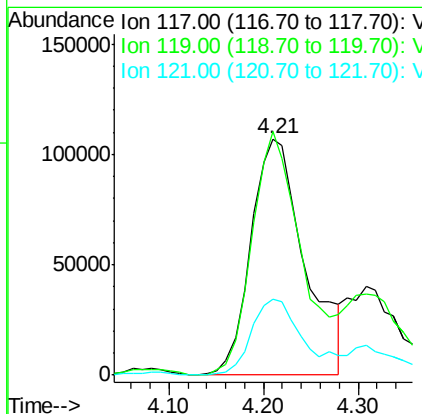
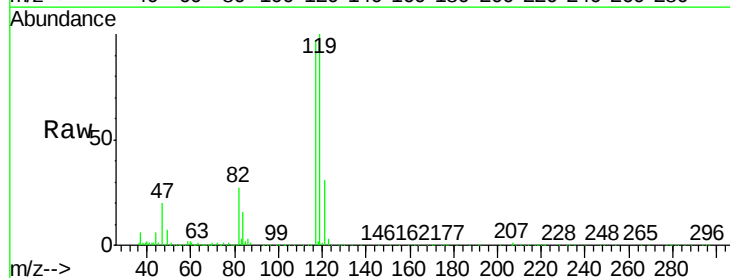
RT: 4.21 min Scan# 373

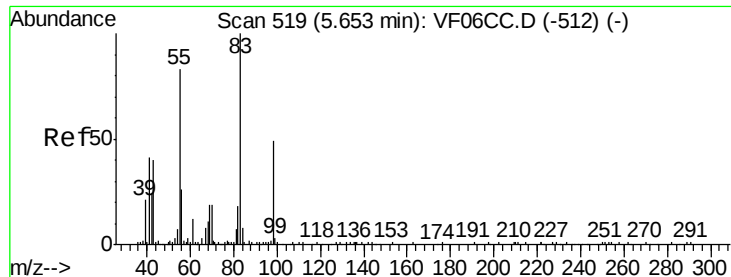
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion	117	Resp	423268
Ion	Ratio	Lower	Upper
117	100		
119	103.0	78.2	117.2
121	32.2	28.2	42.2





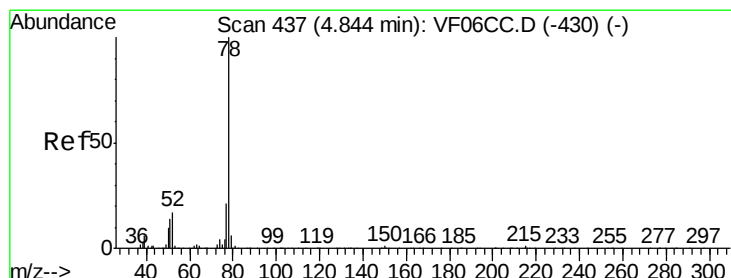
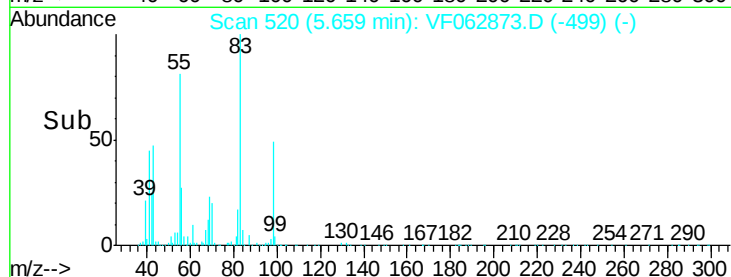
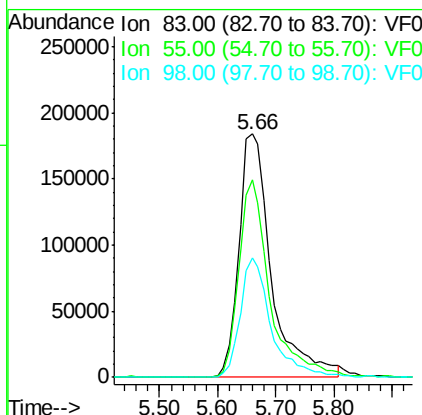
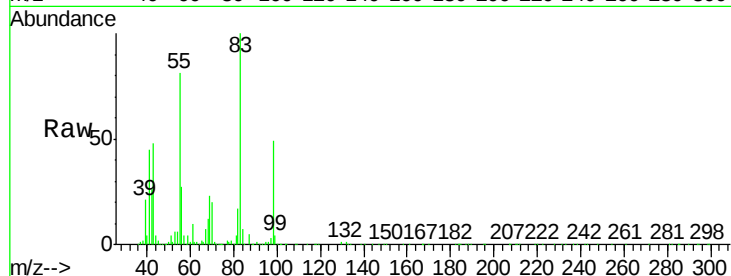
#39
Methvlcvclohexane
Concen: 53.335 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	61.6	92.4
98	48.9	37.4	56.2

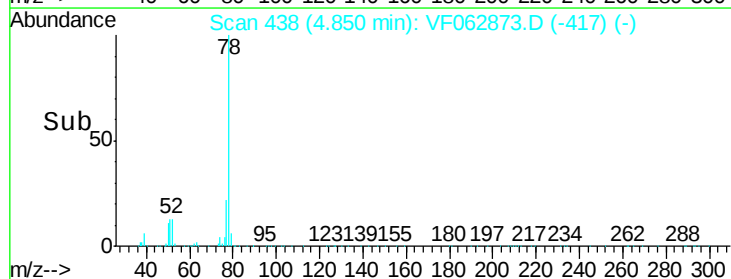
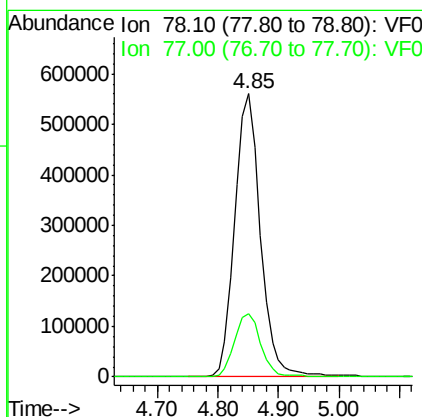
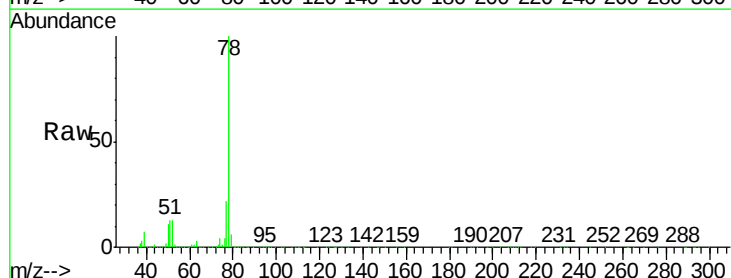
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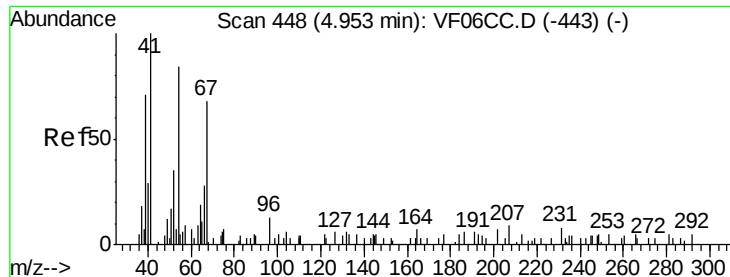
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#40
Benzene
Concen: 52.668 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.9	28.3





#41

Methacrylonitrile

Concen: 49.309 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.00 min

Lab File: VF062873.D

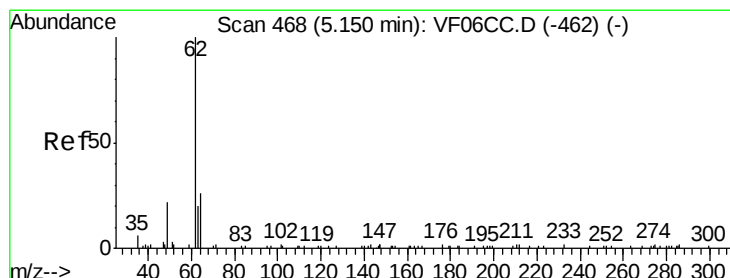
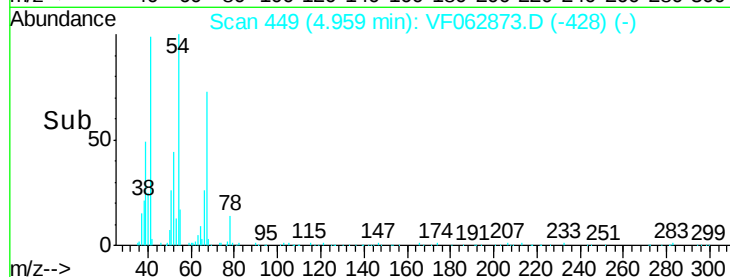
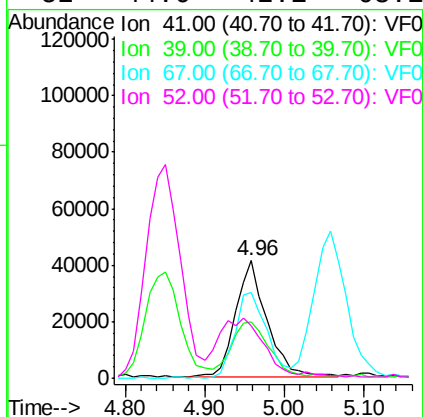
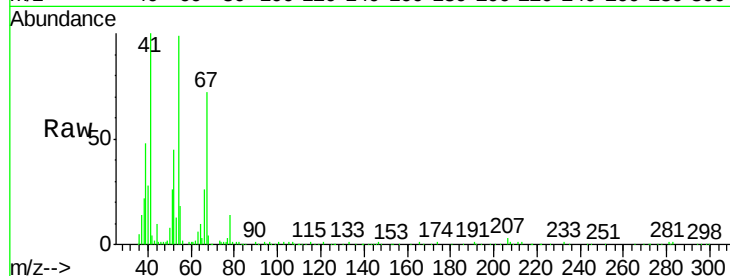
Acq: 5 Jun 2019 18:54

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.9	42.0	63.0
67	72.5	61.4	92.0
52	44.6	42.1	63.1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 54.776 ug/l

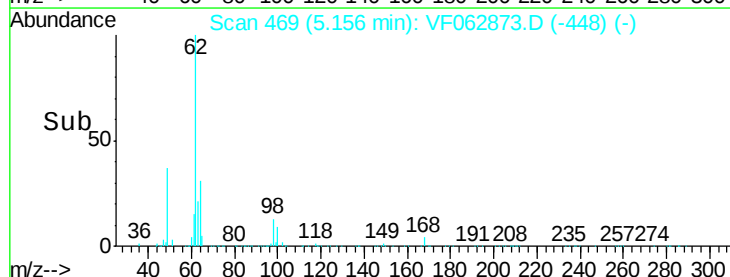
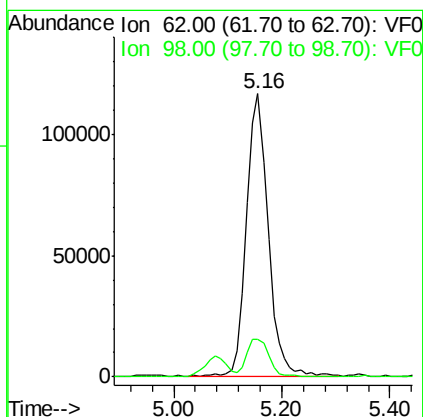
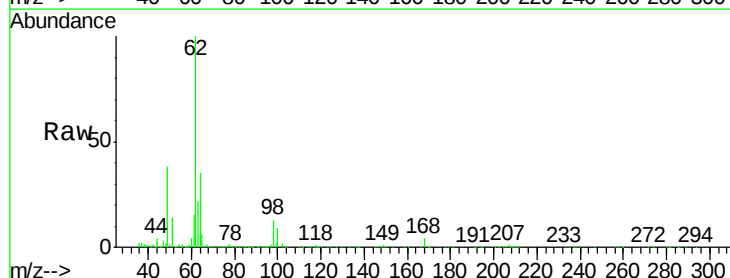
RT: 5.16 min Scan# 469

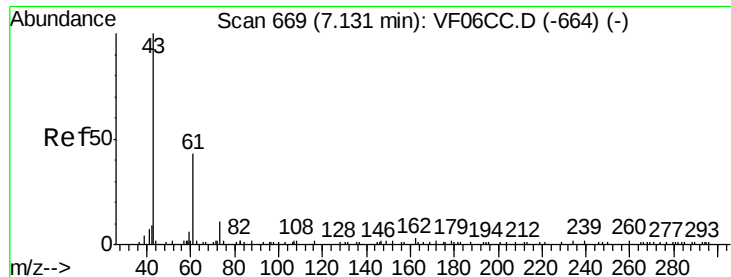
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	24.0





#43

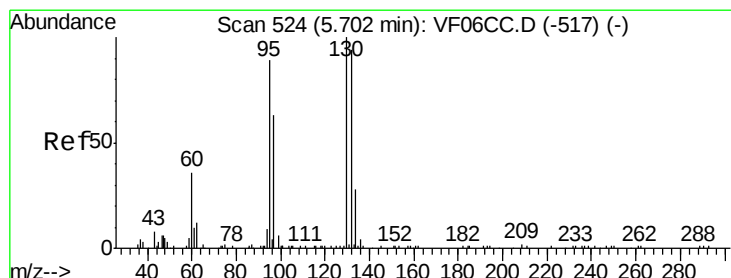
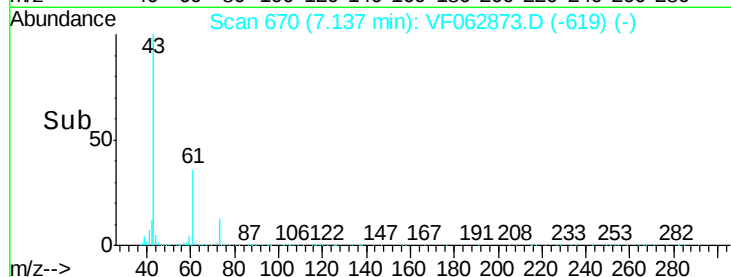
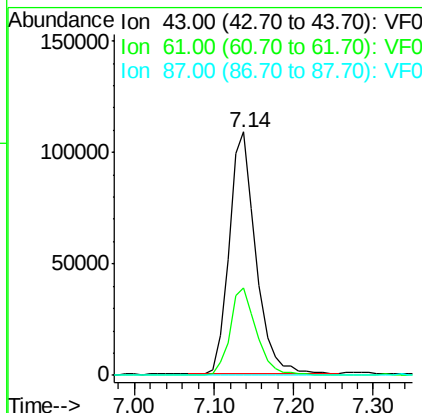
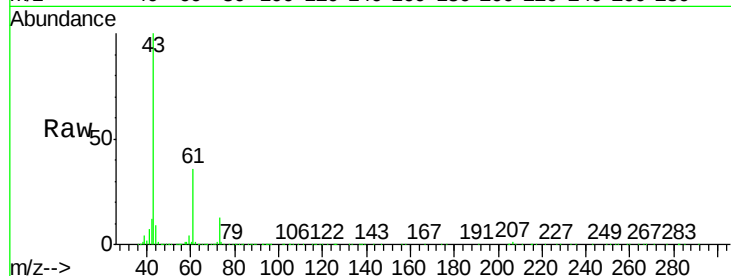
Isopropyl Acetate
 Concen: 46.398 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.9	29.8	44.6
87	0.3	0.3	0.5

Manual Integrations
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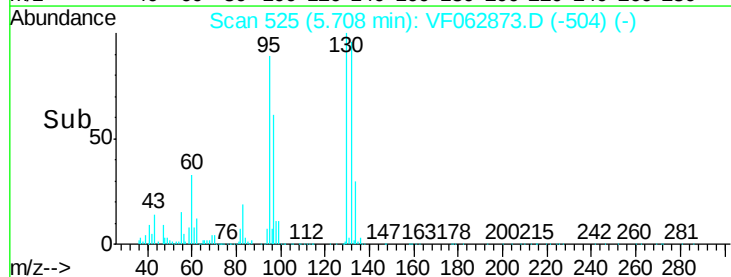
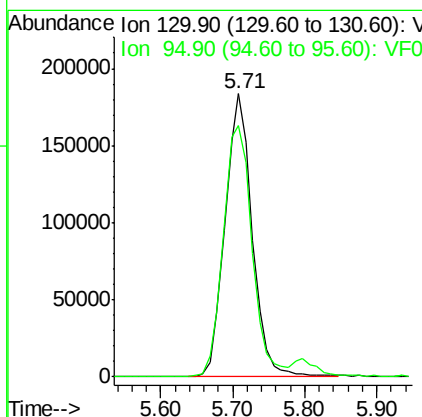
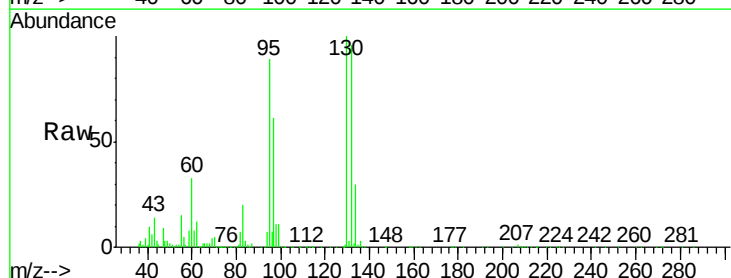
MMDadoda
 6/6/2019 11:51:13 AM

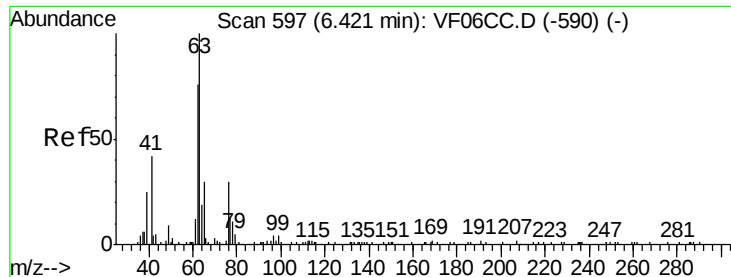


#44

Trichloroethene
 Concen: 54.069 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	188.2





#45

1,2-Dichloropropane

Concen: 54.249 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 428096

Ion Ratio Lower Upper

63 100

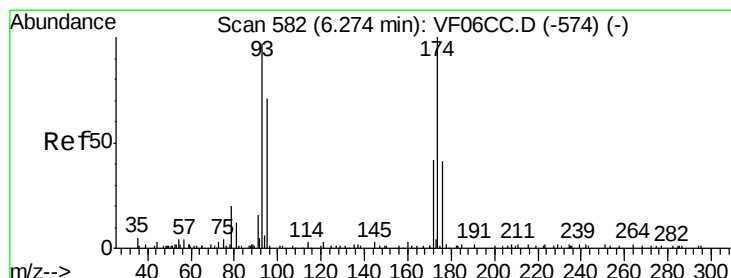
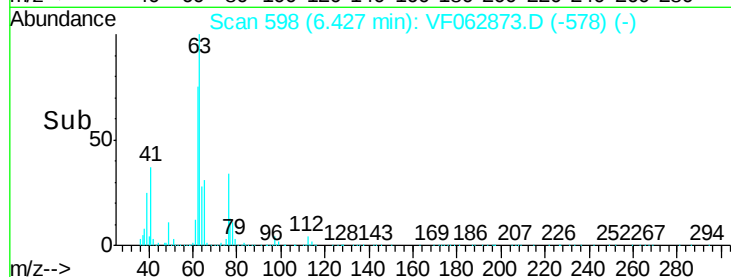
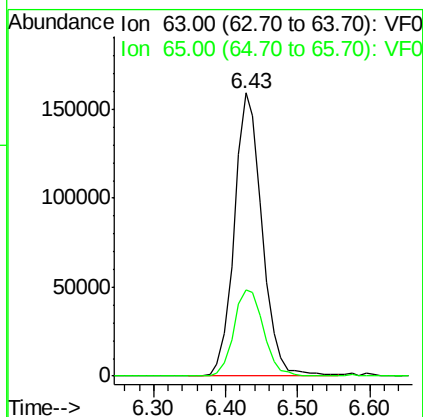
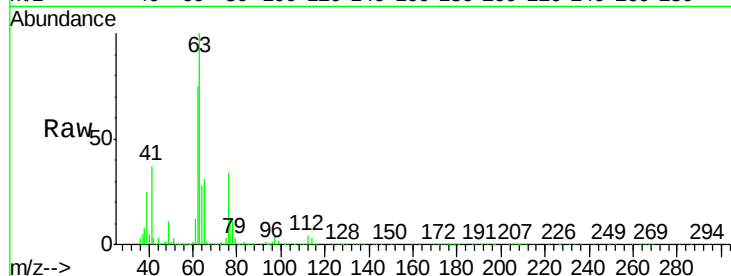
65 30.6 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 52.702 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

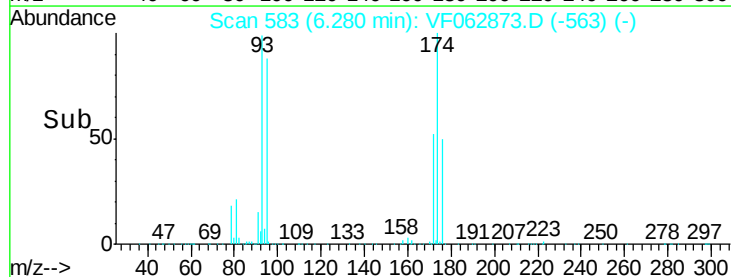
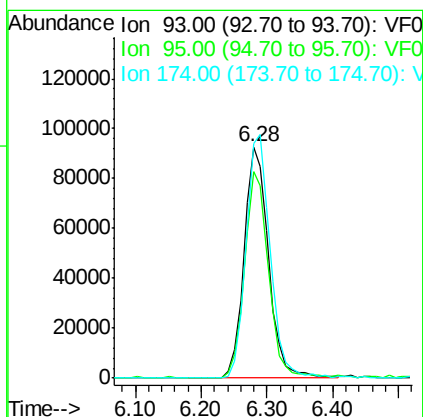
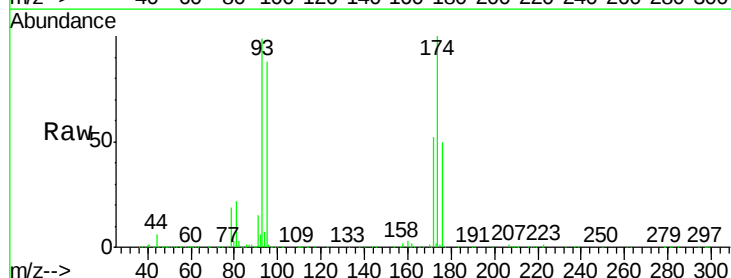
Tgt Ion: 93 Resp: 242812

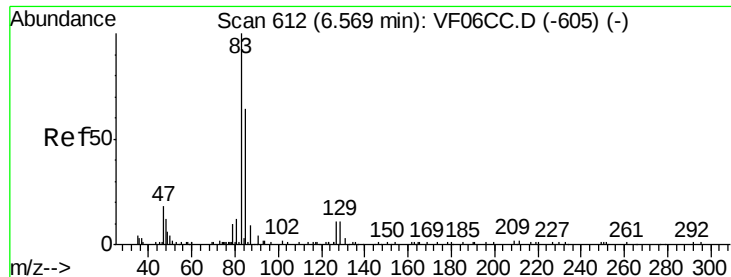
Ion Ratio Lower Upper

93 100

95 89.2 67.9 101.9

174 102.7 85.0 127.4





#47

Bromodichloromethane

Concen: 54.088 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

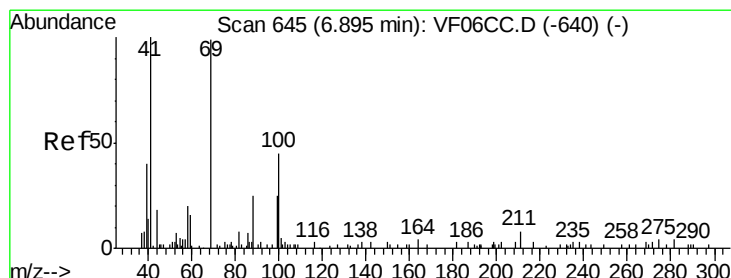
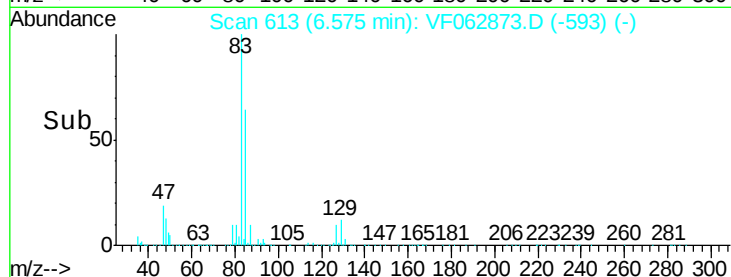
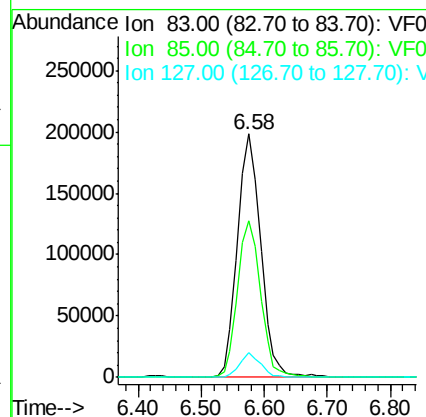
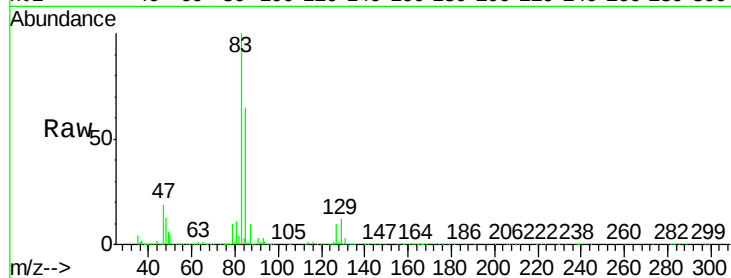
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	507504
Ion Ratio	Lower	Upper	
83	100		
85	64.6	54.2	81.4
127	10.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.526 ug/l

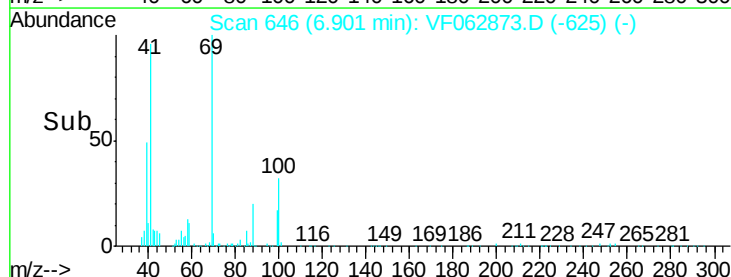
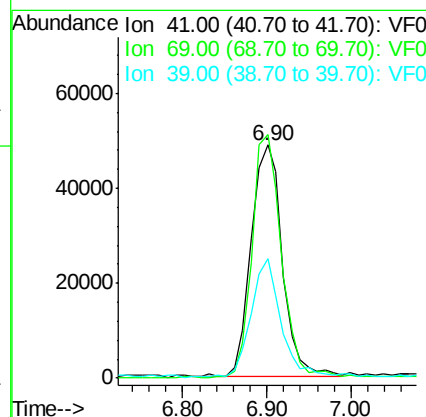
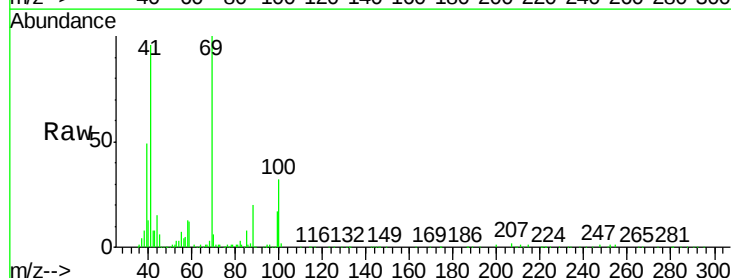
RT: 6.90 min Scan# 646

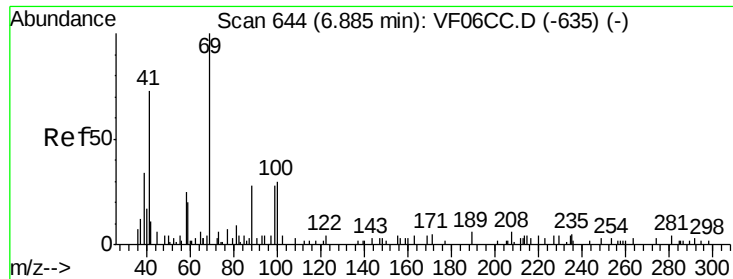
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	41	Resp:	128017
Ion Ratio	Lower	Upper	
41	100		
69	104.6	79.4	119.2
39	51.1	39.8	59.6





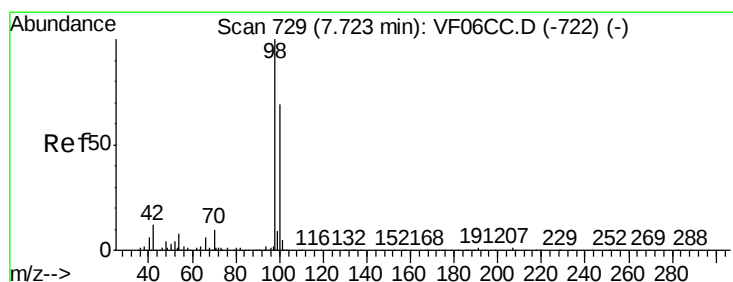
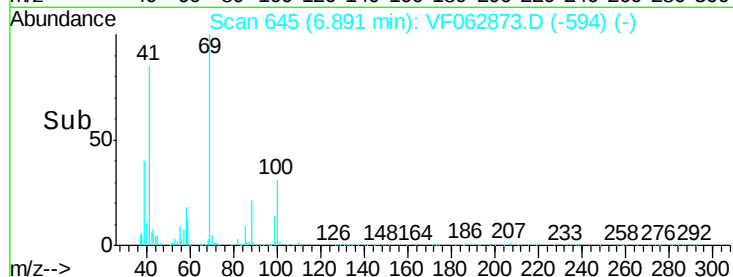
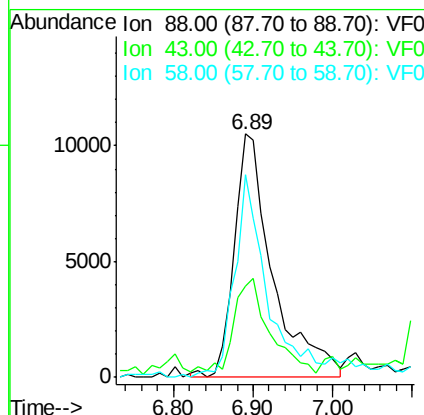
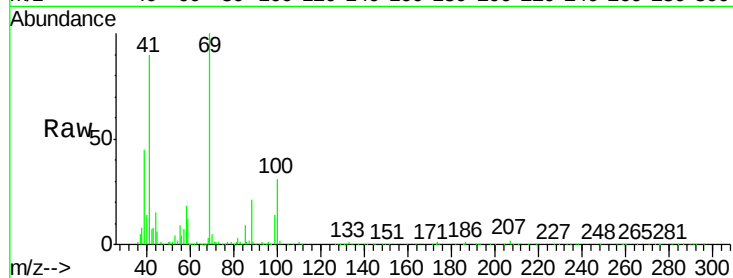
#49
1,4-Dioxane
Concen: 955.526 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	34.8	52.2
58	83.1	59.9	89.9

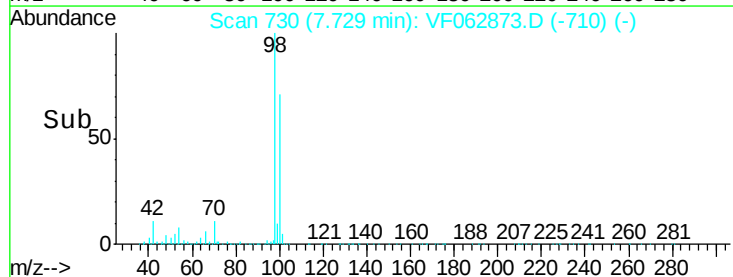
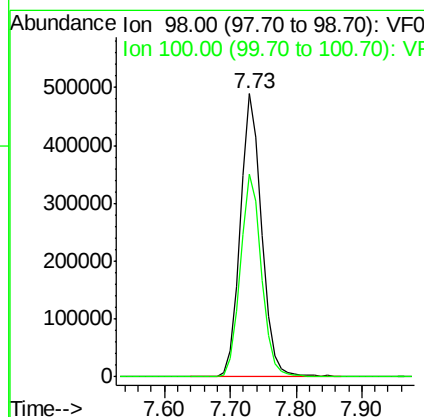
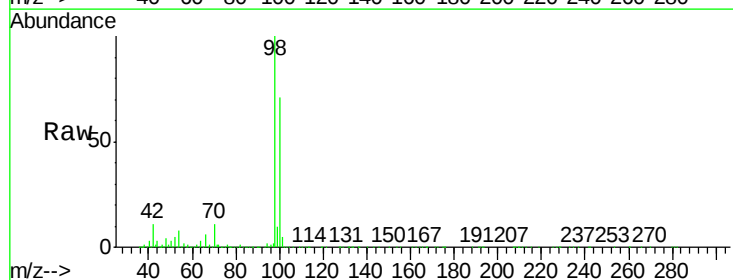
Manual Integrations
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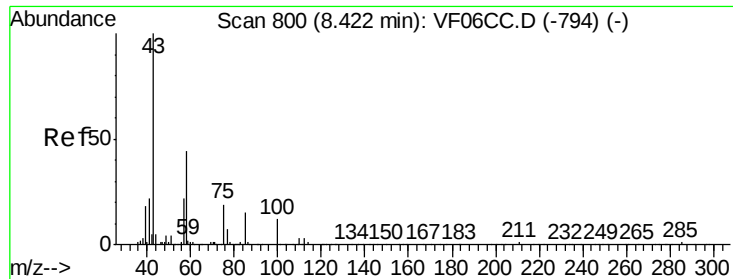
MMDadoda
6/6/2019 11:51:13 AM



#50
Toluene-d8
Concen: 49.881 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.5	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 260.656 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1015360

Ion Ratio Lower Upper

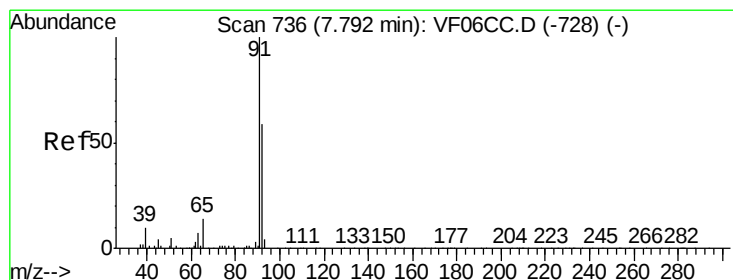
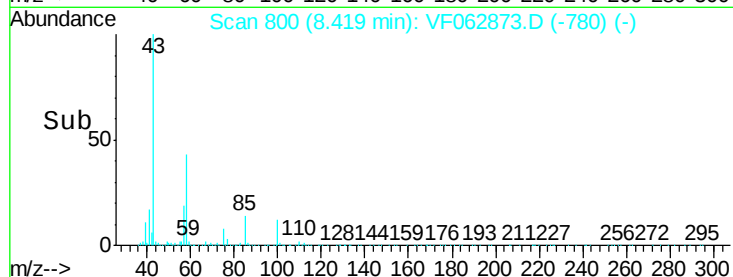
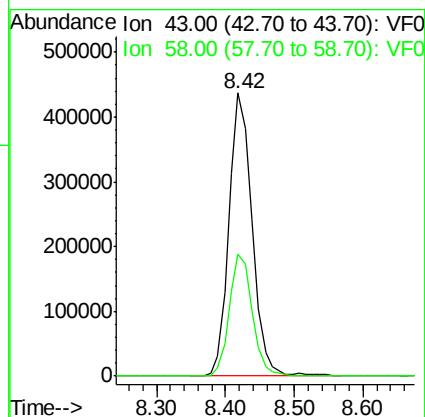
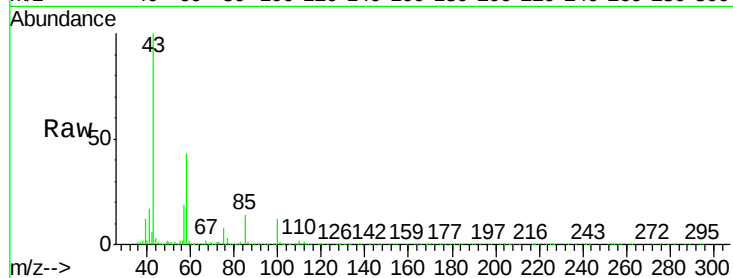
43 100

58 43.0 35.5 53.3

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#52

Toluene

Concen: 53.022 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062873.D

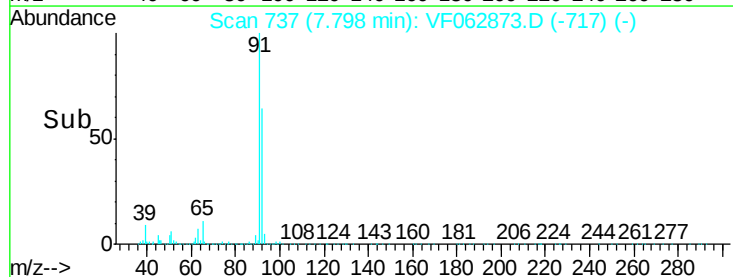
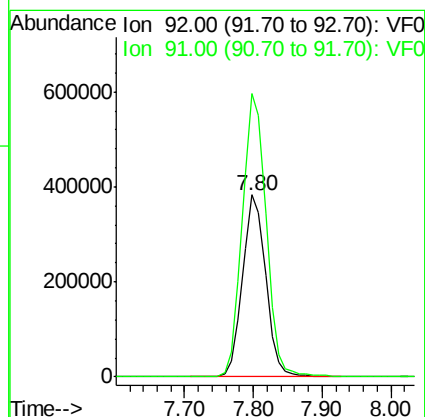
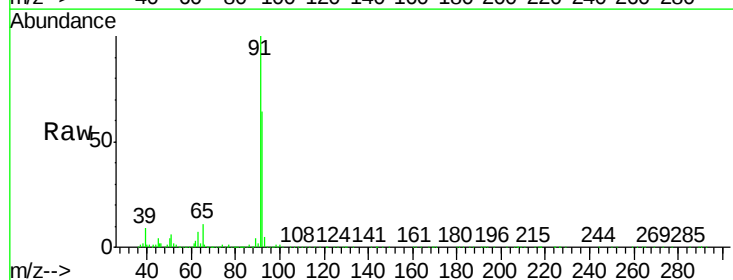
Acq: 5 Jun 2019 18:54

Tgt Ion: 92 Resp: 898053

Ion Ratio Lower Upper

92 100

91 155.4 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 54.055 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tot Ion: 75 Resp: 420289

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5

Instrument :

MSVOA_F

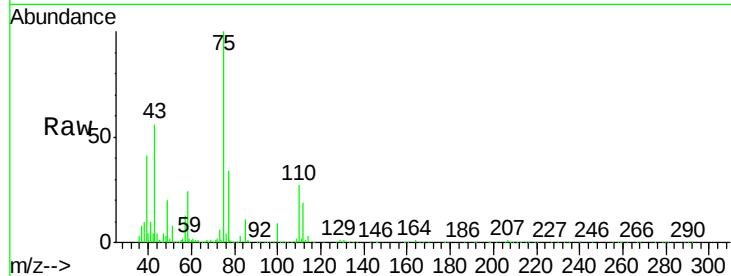
ClientSampleId :

VSTDCCC050EC

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.45

200000

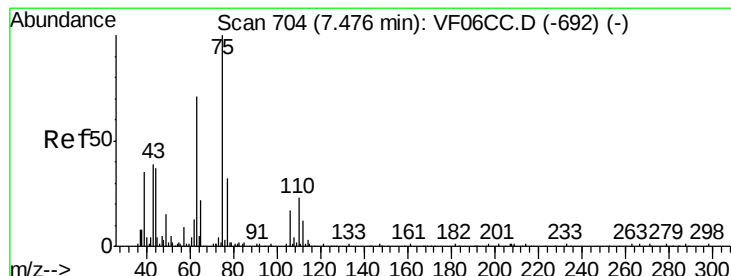
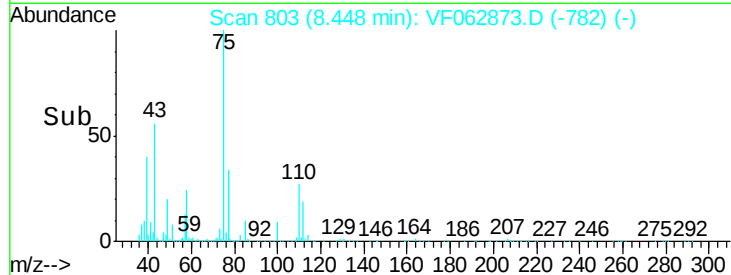
150000

100000

50000

0

Time--> 8.30 8.40 8.50 8.60



#54

cis-1,3-Dichloropropene

Concen: 53.841 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

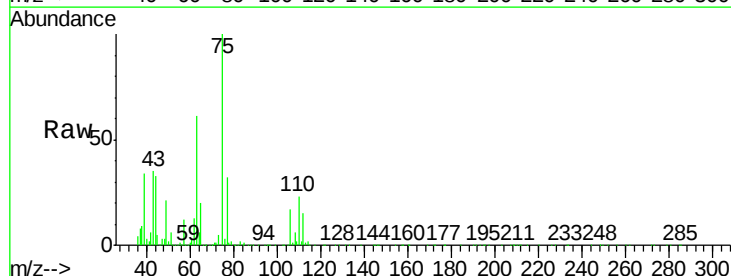
Tgt Ion: 75 Resp: 605966

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 33.7 28.4 42.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.48

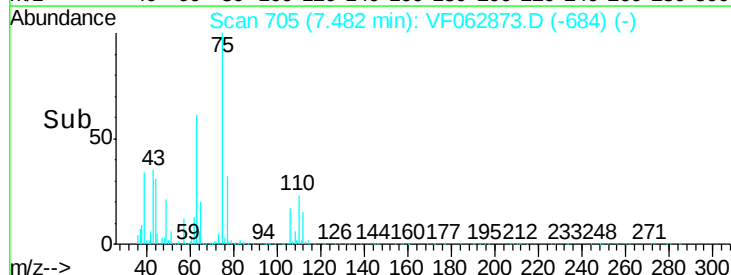
300000

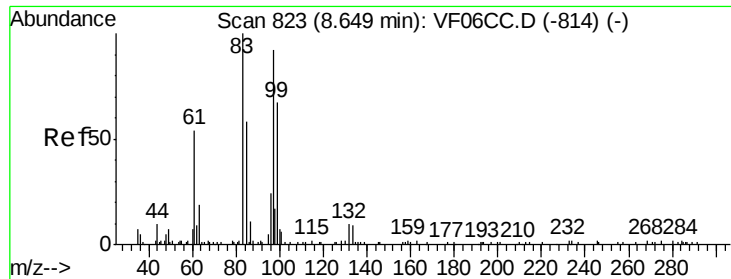
200000

100000

0

Time--> 7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 54.974 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

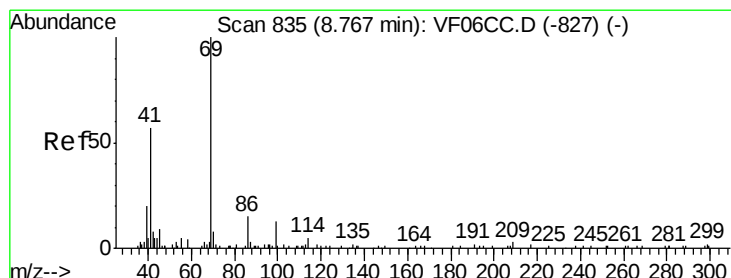
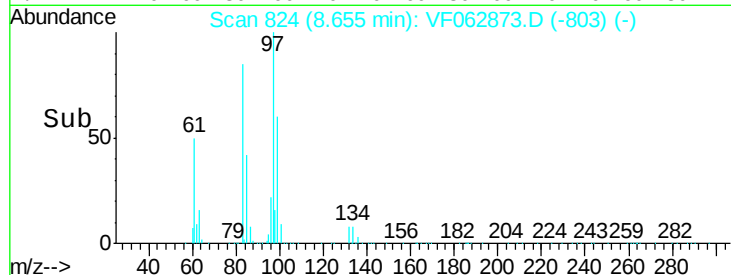
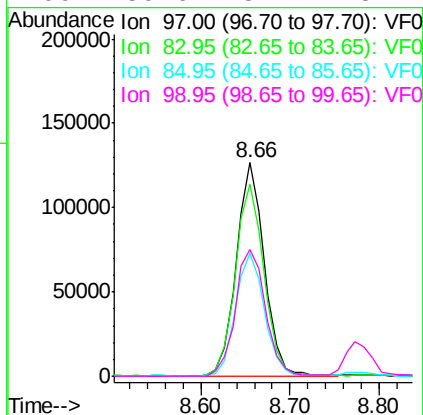
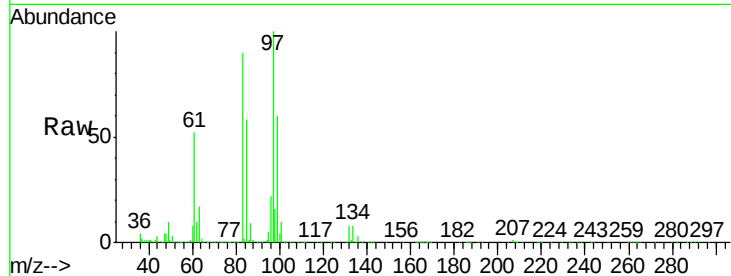
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	278166
Ion	Ratio	Lower	Upper
97	100		
83	89.7	72.0	108.0
85	57.5	47.5	71.3
99	59.6	54.1	81.1

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#56

Ethyl methacrylate

Concen: 48.841 ug/l

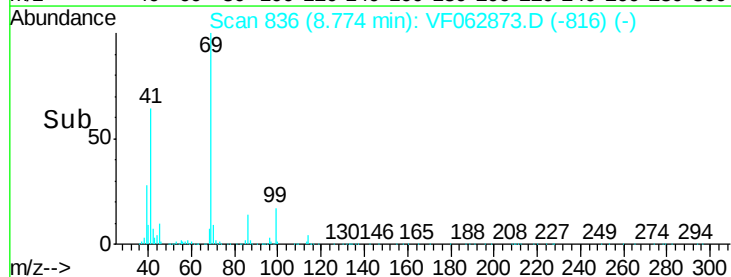
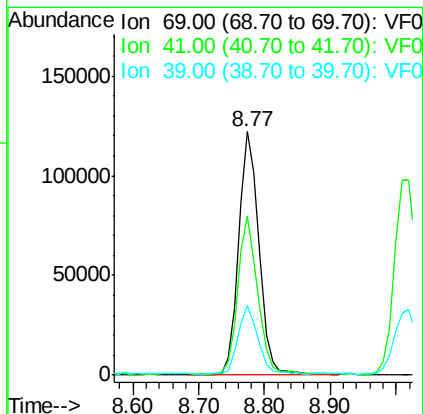
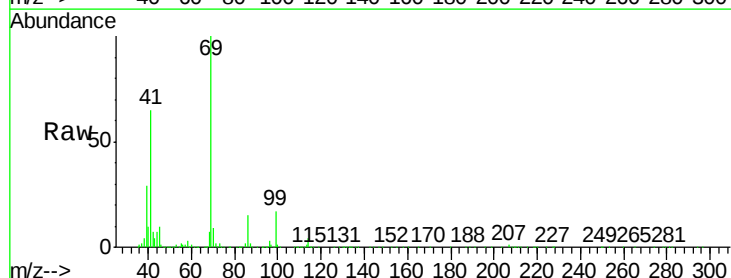
RT: 8.77 min Scan# 836

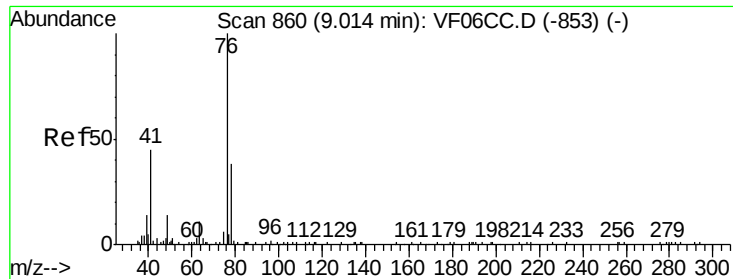
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	69	Resp:	265169
Ion	Ratio	Lower	Upper
69	100		
41	65.3	46.6	69.8
39	28.6	19.6	29.4





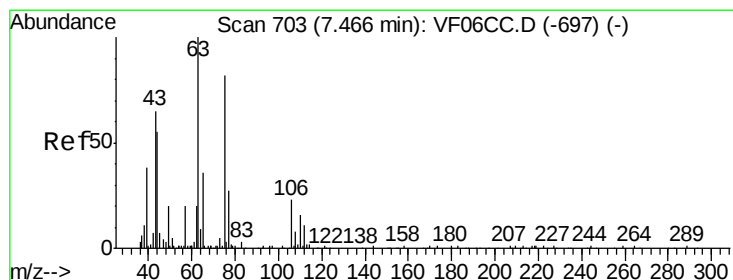
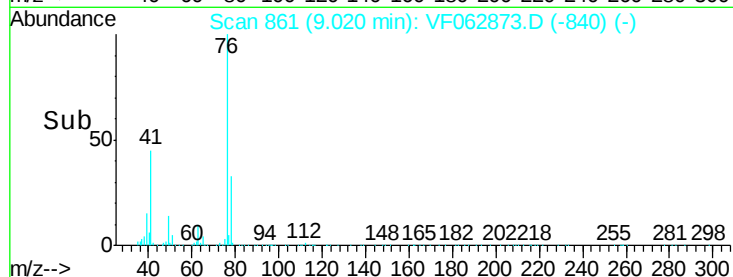
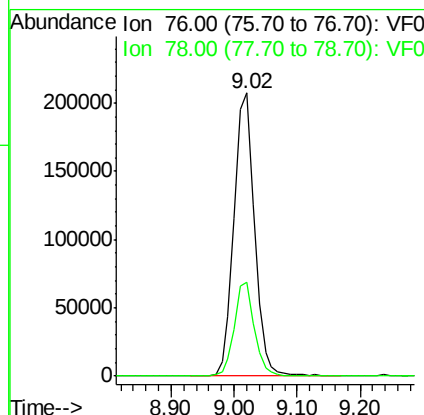
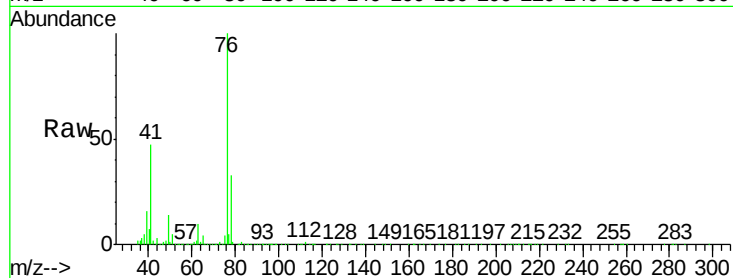
#57
 1,3-Dichloropropane
 Concen: 56.553 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 467300
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.8 40.2

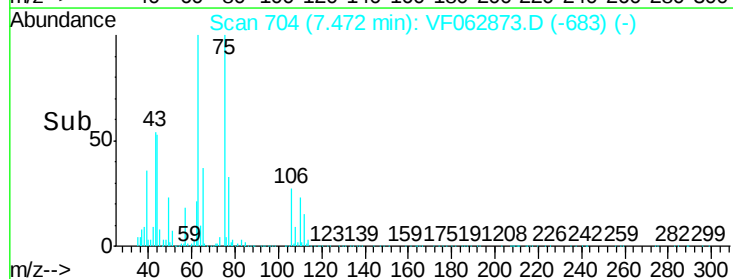
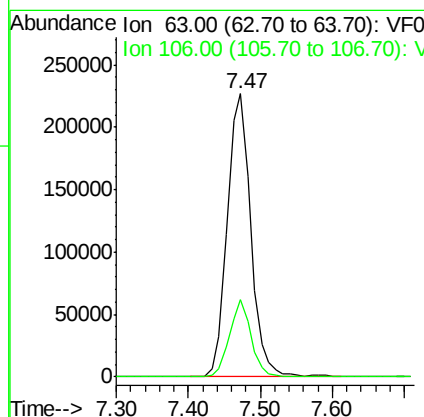
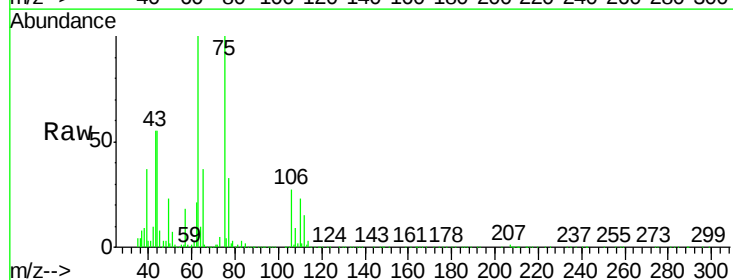
Manual Integrations
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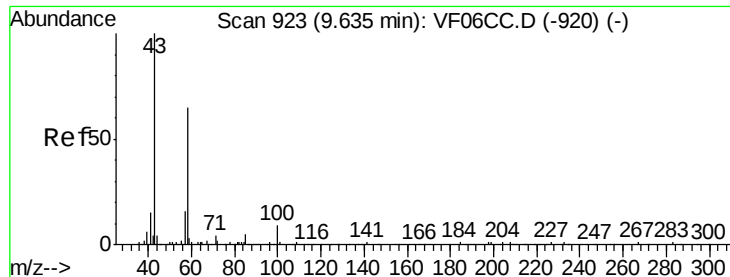
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.548 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion: 63 Resp: 513351
 Ion Ratio Lower Upper
 63 100
 106 27.3 19.5 29.3





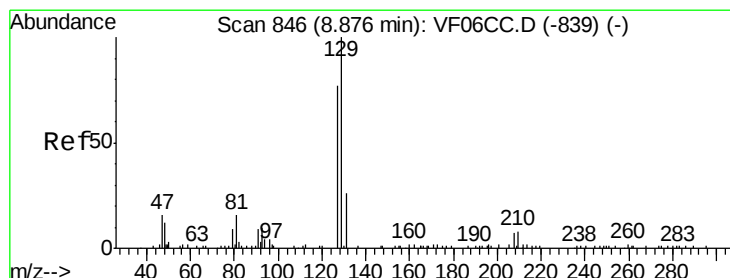
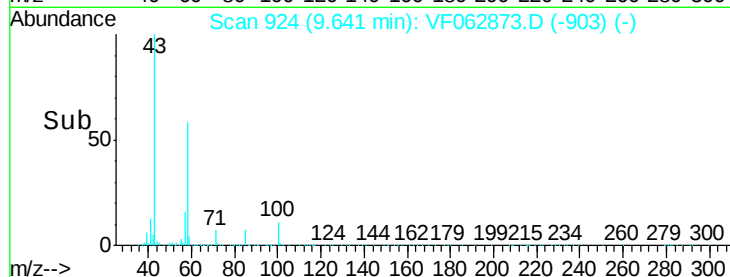
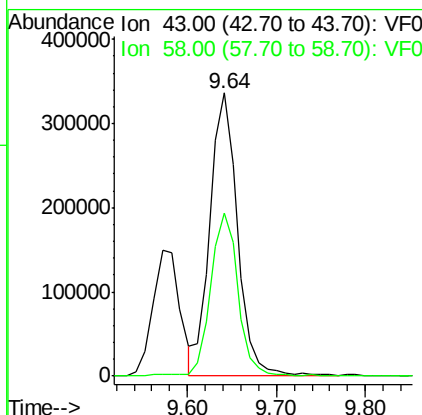
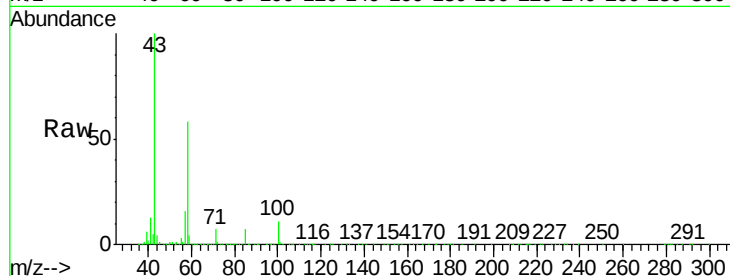
#59
2-Hexanone
Concen: 259.348 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 720083
Ion Ratio Lower Upper
43 100
58 57.8 29.3 87.9

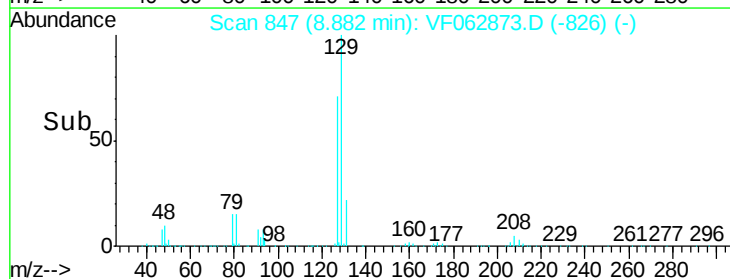
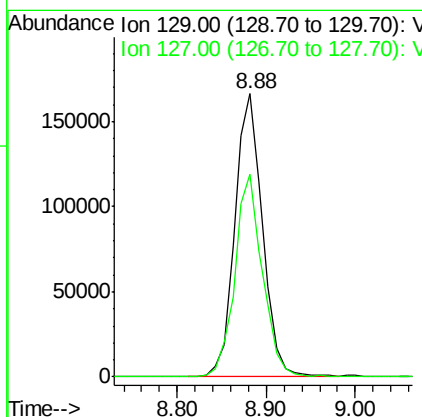
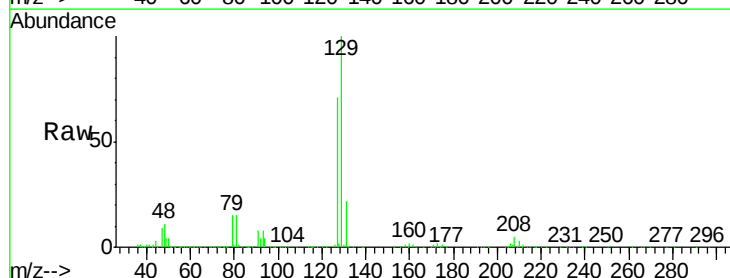
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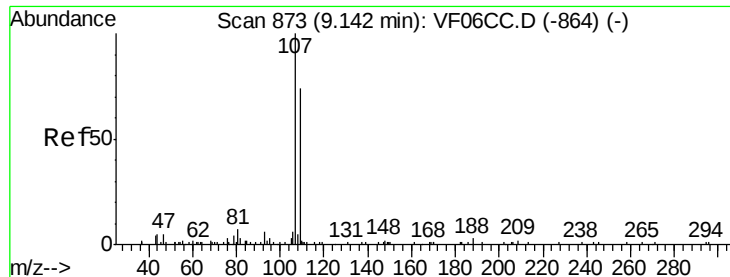
MMDadoda
6/6/2019 11:51:13 AM



#60
Dibromochloromethane
Concen: 57.483 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 129 Resp: 360104
Ion Ratio Lower Upper
129 100
127 71.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 54.907 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 288541

Ion Ratio Lower Upper

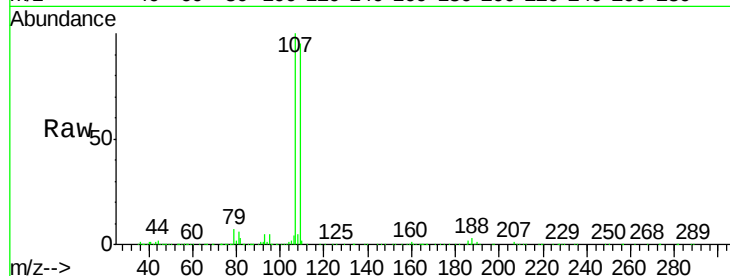
107 100

109 94.9 78.1 117.1

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

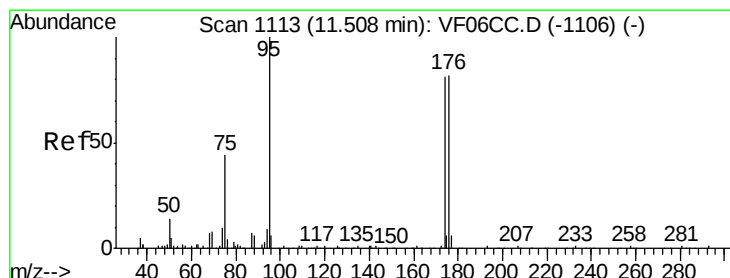
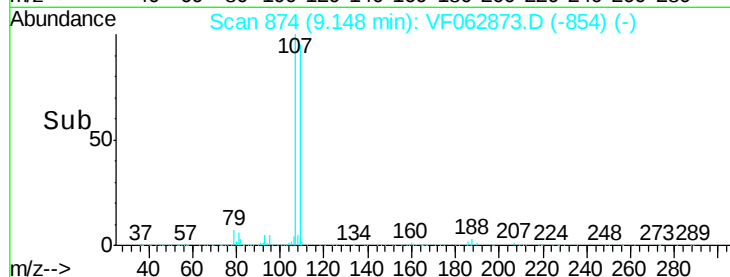
100000

50000

0

9.00 9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 51.324 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

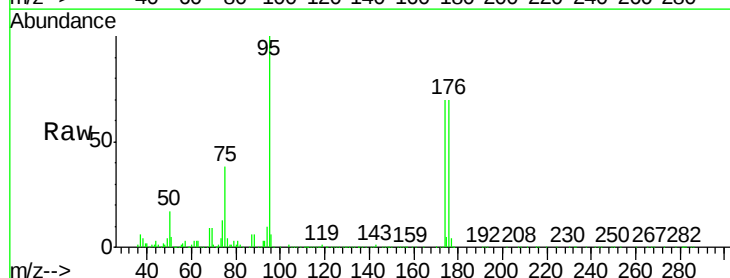
Tgt Ion: 95 Resp: 414056

Ion Ratio Lower Upper

95 100

174 70.0 0.0 170.6

176 69.6 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

300000

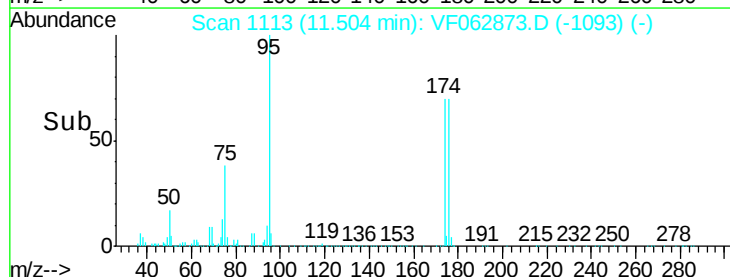
200000

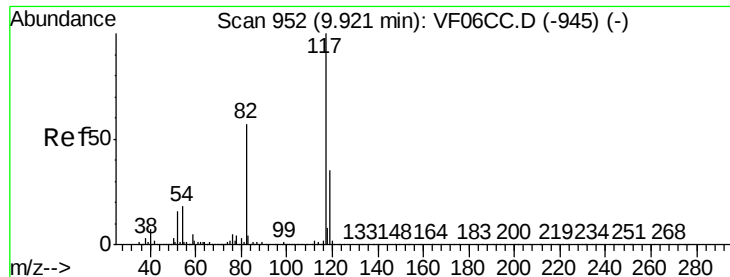
100000

0

11.40 11.50 11.60

Time-->





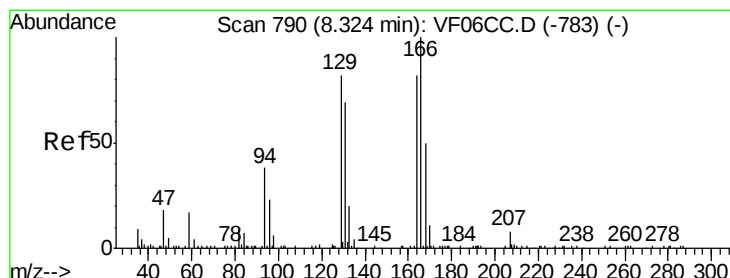
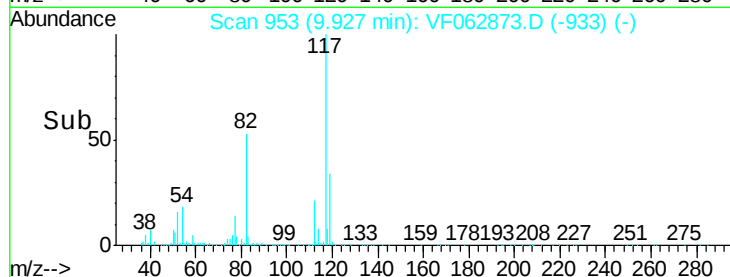
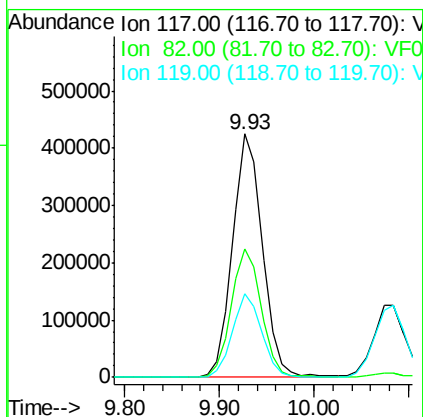
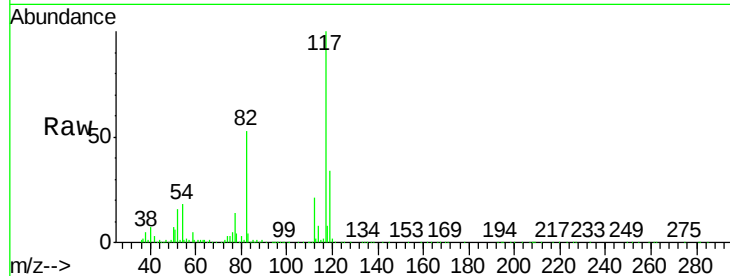
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.4	63.6
119	34.4	27.1	40.7

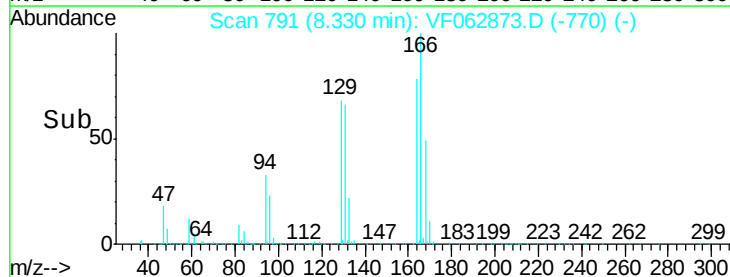
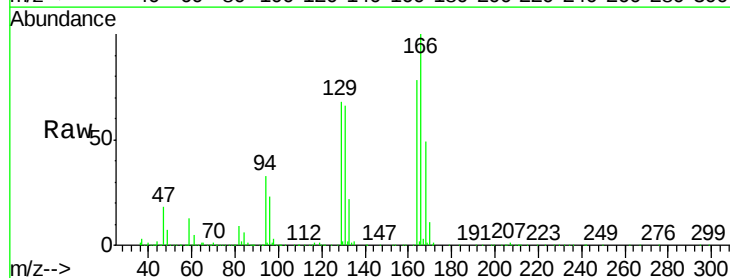
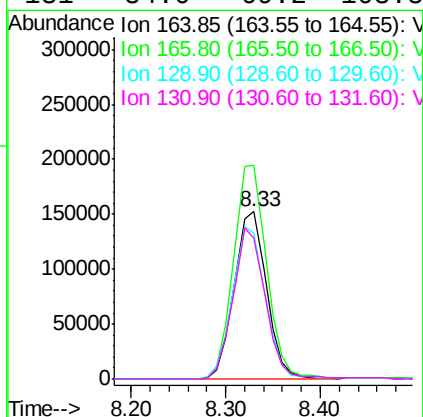
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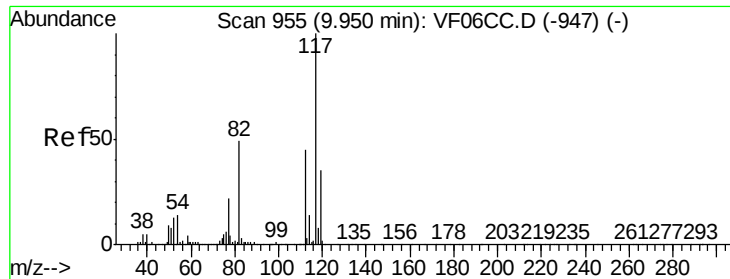
MMDadoda
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#64
Tetrachloroethene
Concen: 50.855 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.1	148.7
129	87.3	69.5	104.3
131	84.0	69.2	103.8





#65

Chlorobenzene

Concen: 53.314 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 956433

Ion Ratio Lower Upper

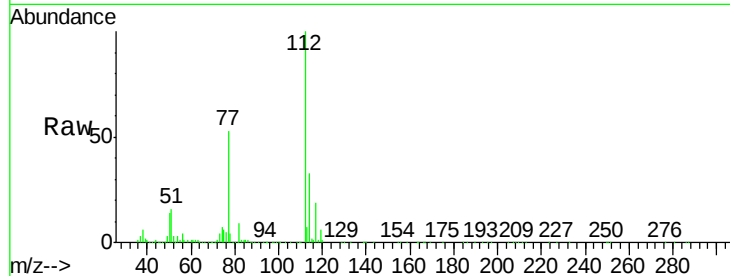
112 100

114 33.1 27.4 41.0

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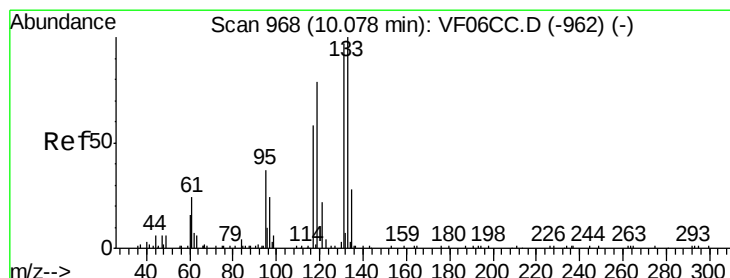
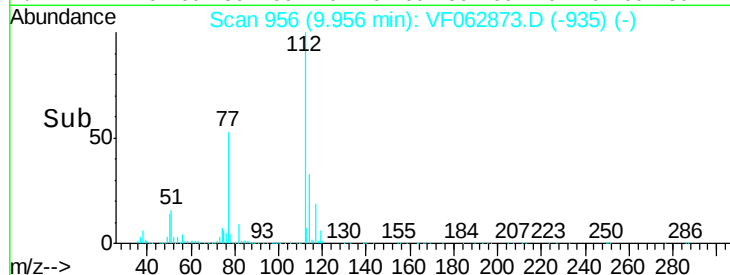
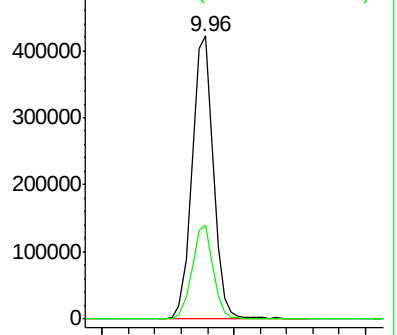
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.707 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

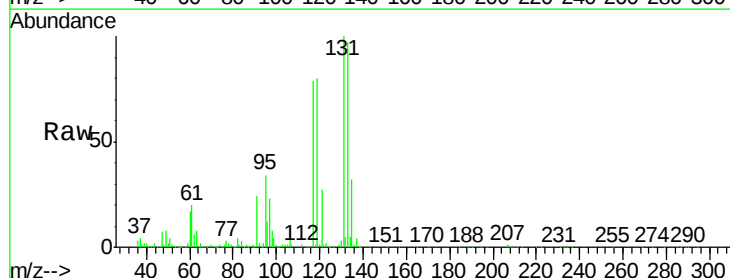
Tgt Ion:131 Resp: 376568

Ion Ratio Lower Upper

131 100

133 97.0 48.9 146.7

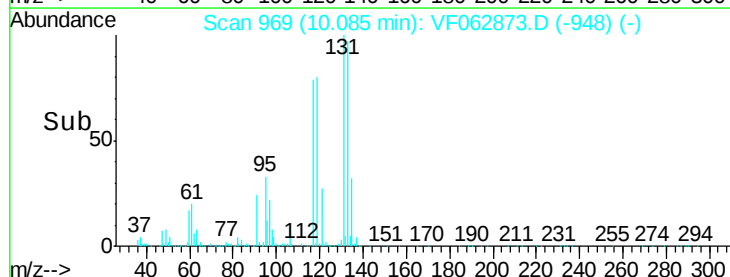
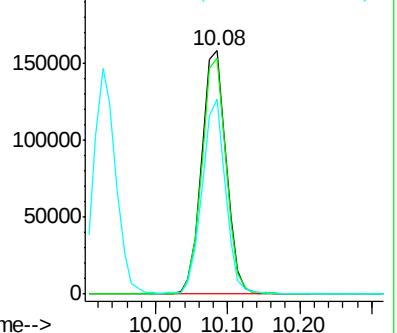
119 80.2 38.0 114.0

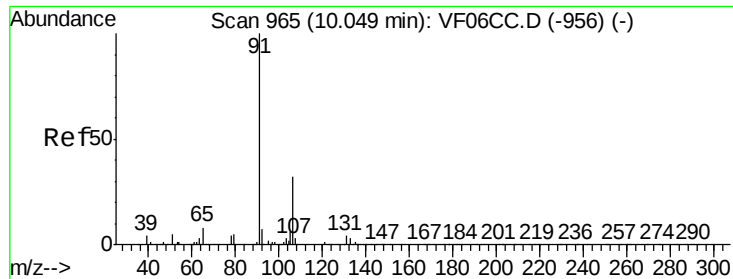


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 52.022 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1601483

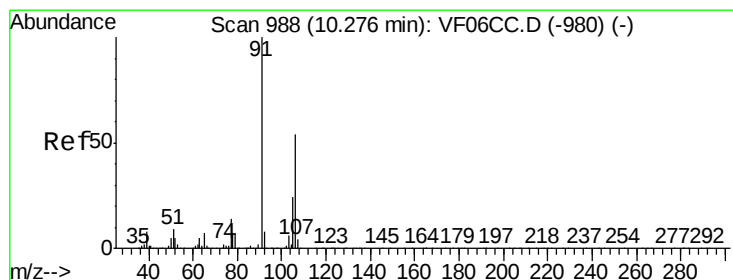
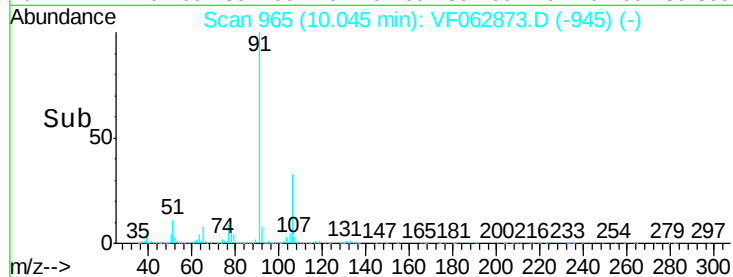
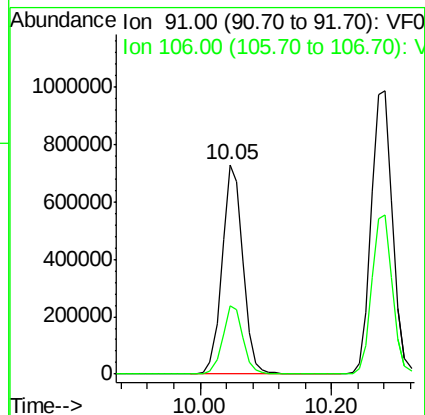
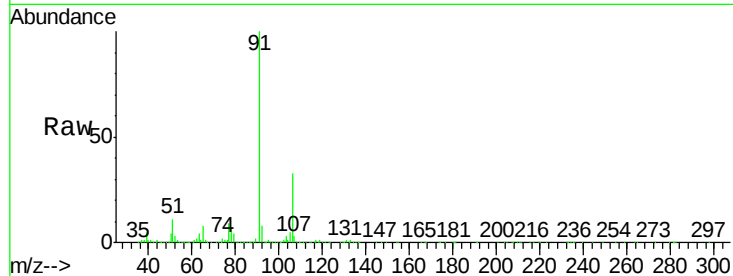
Ion Ratio Lower Upper

91 100

106 32.7 26.0 39.0

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#68

m/p-Xylenes

Concen: 103.269 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF062873.D

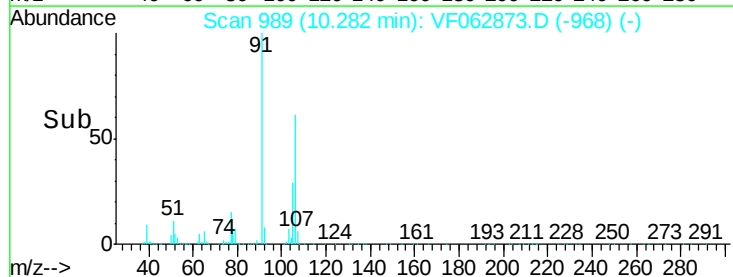
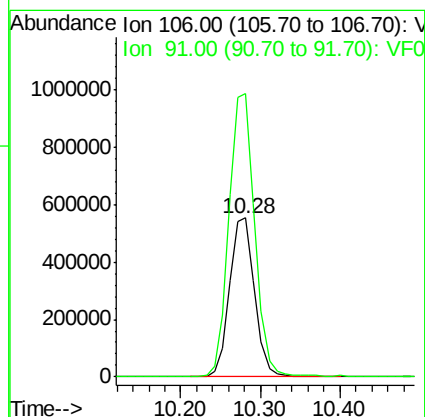
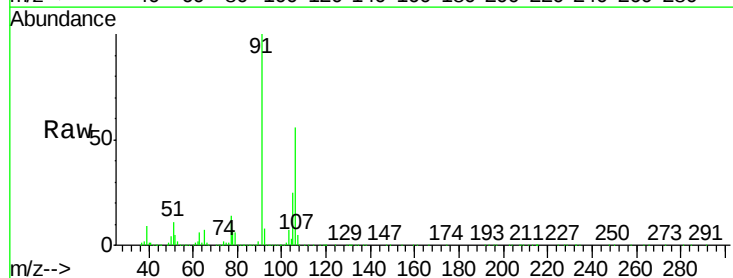
Acq: 5 Jun 2019 18:54

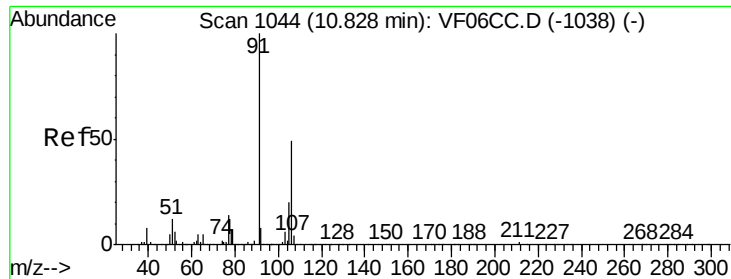
Tgt Ion:106 Resp: 1216535

Ion Ratio Lower Upper

106 100

91 177.8 136.2 204.4





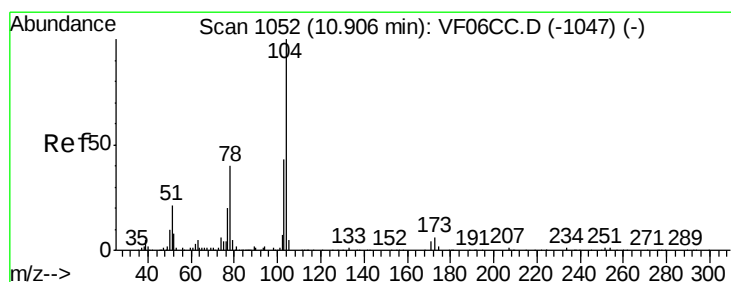
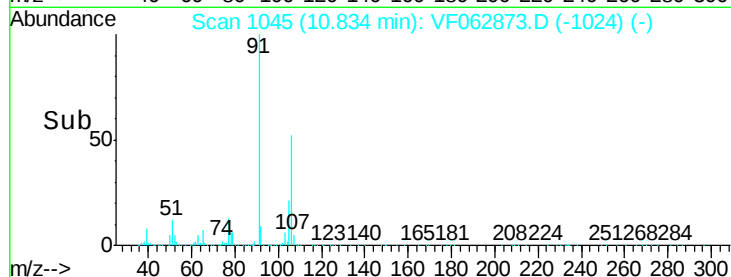
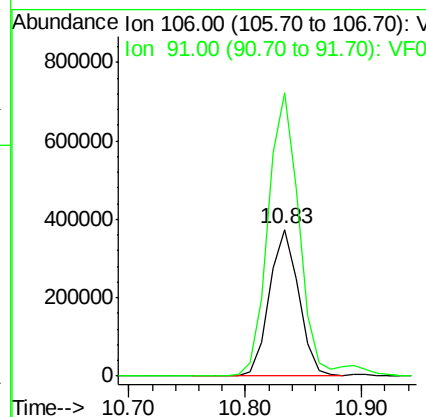
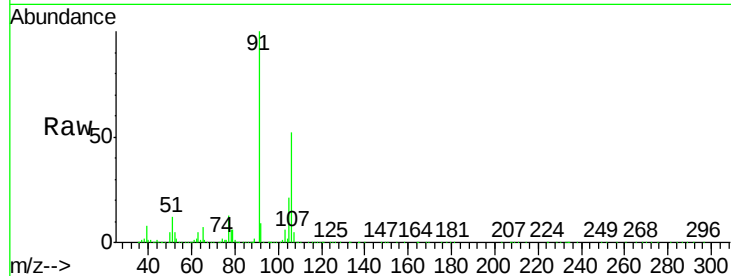
#69
o-Xylene
Concen: 54.750 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 653007
Ion Ratio Lower Upper
106 100
91 193.2 96.6 289.8

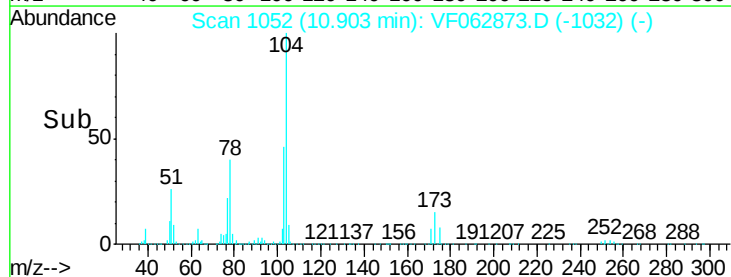
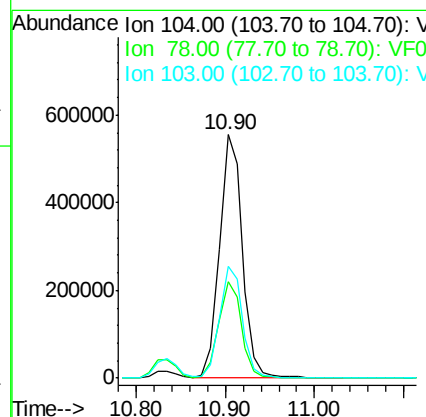
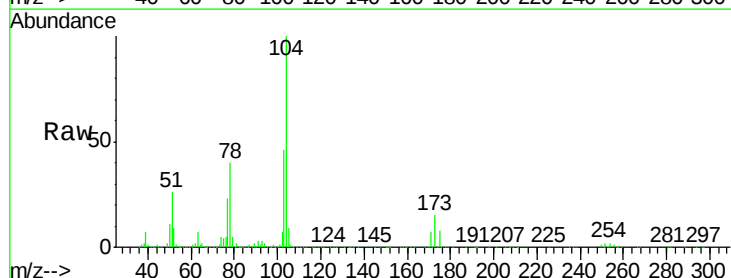
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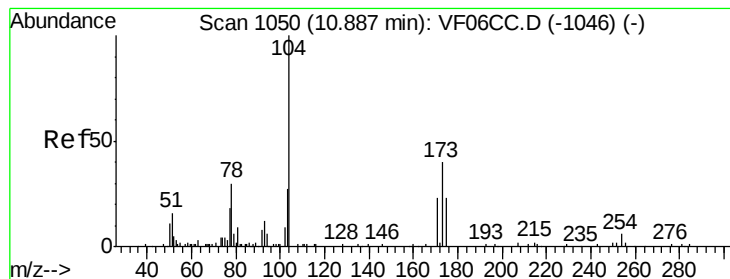
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#70
Styrene
Concen: 56.659 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:104 Resp: 996057
Ion Ratio Lower Upper
104 100
78 39.7 30.8 46.2
103 46.1 35.8 53.6





#71

Bromoform

Concen: 58.215 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

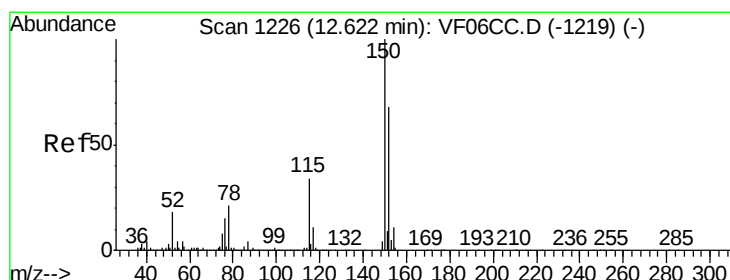
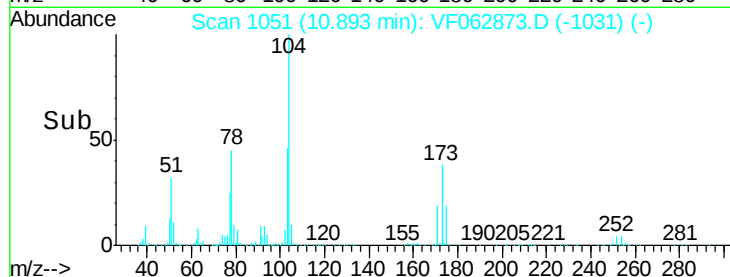
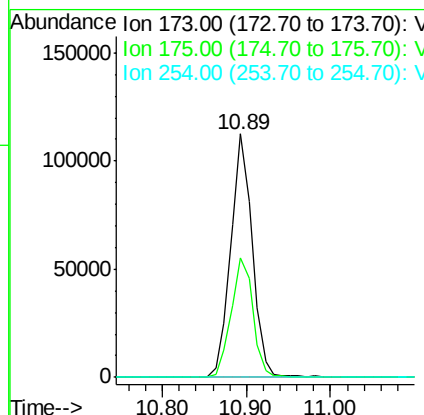
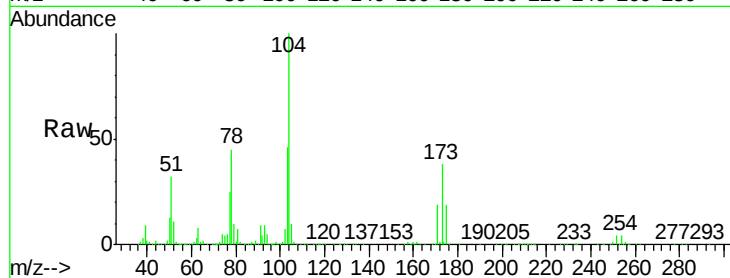
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	199523
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	74.0
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

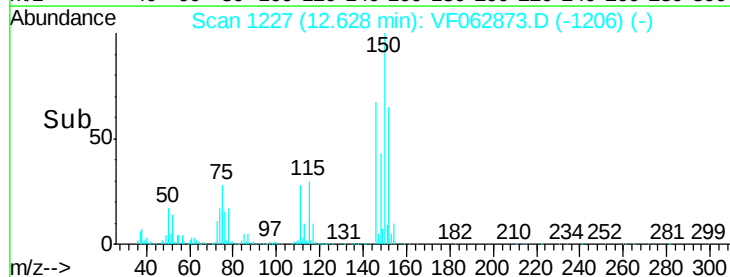
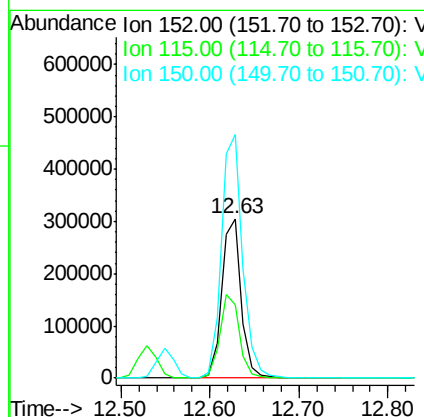
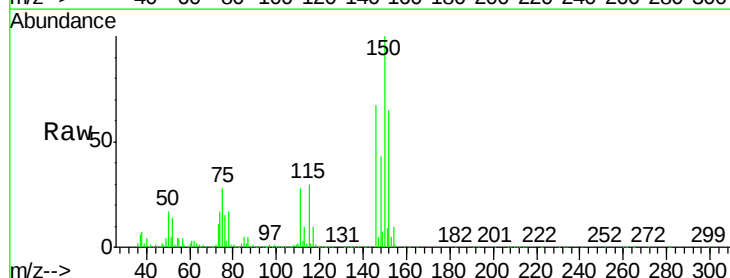
RT: 12.63 min Scan# 1227

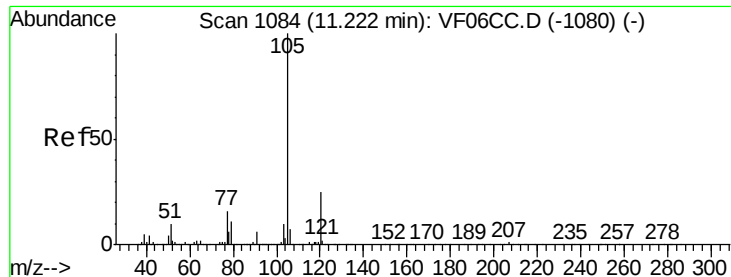
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	152	Resp:	467735
Ion Ratio	Lower	Upper	
152	100		
115	46.3	24.6	74.0
150	152.8	0.0	290.6





#73

Isopropylbenzene

Concen: 51.876 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1693051

Ion Ratio Lower Upper

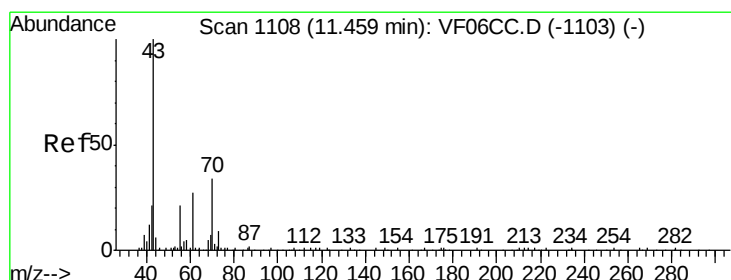
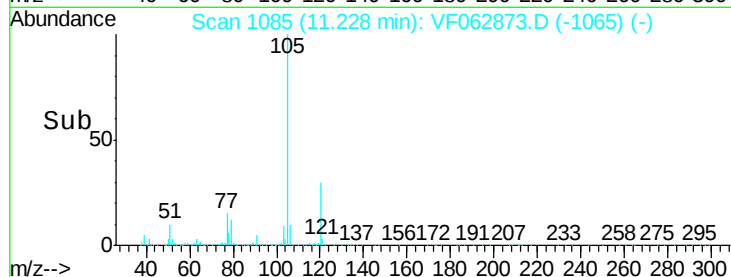
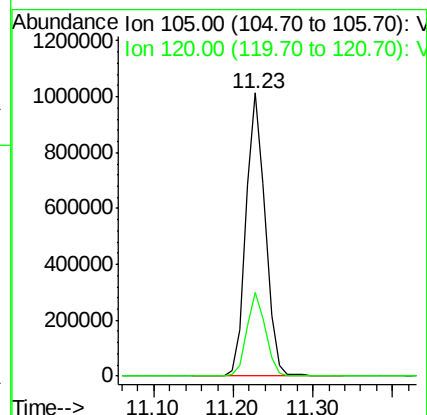
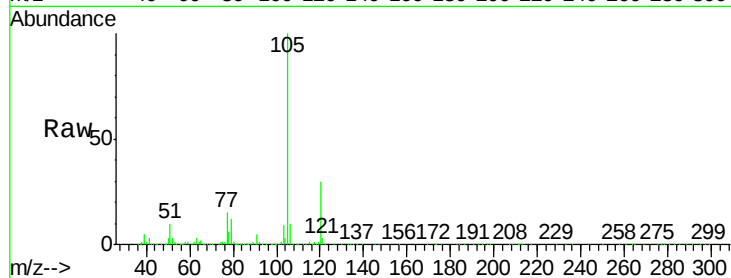
105 100

120 29.7 15.1 45.3

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#74

N-ethyl acetate

Concen: 47.119 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion: 43 Resp: 433423

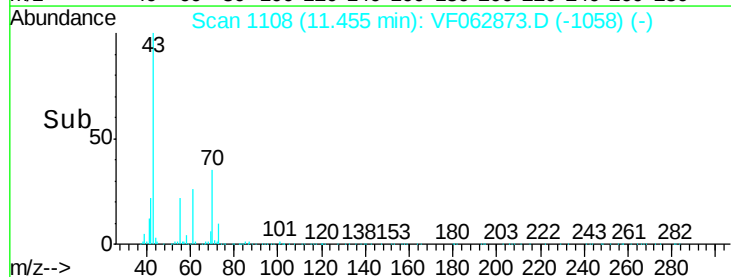
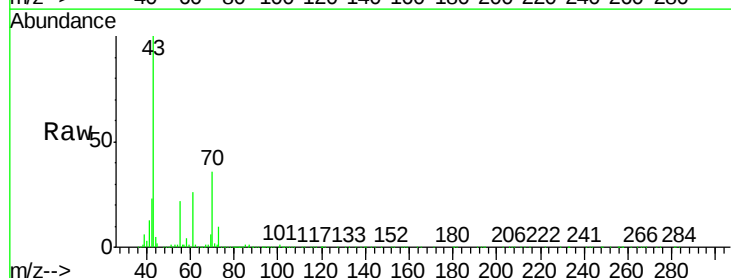
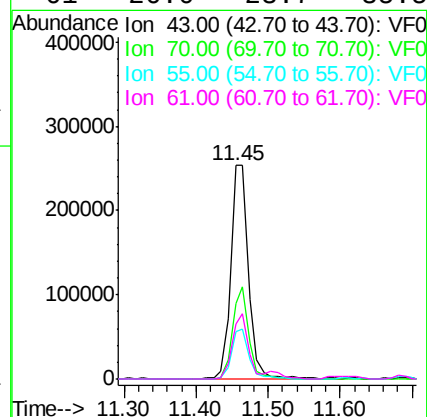
Ion Ratio Lower Upper

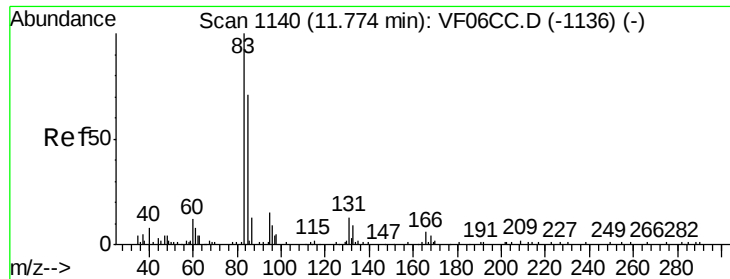
43 100

70 35.5 32.9 49.3

55 22.0 17.3 25.9

61 26.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.248 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

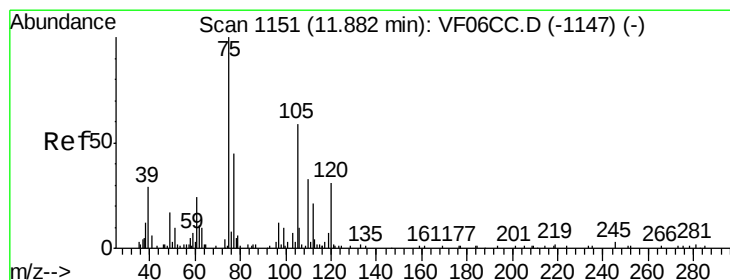
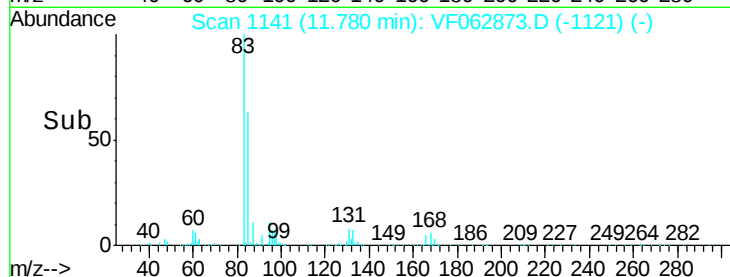
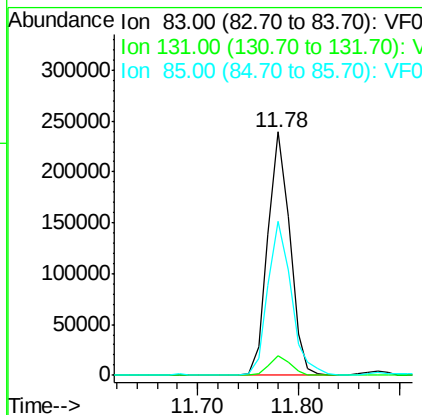
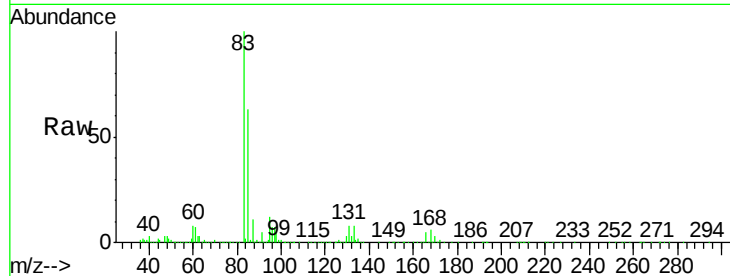
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	364152
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.9	14.7
85	63.1	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 50.988 ug/l

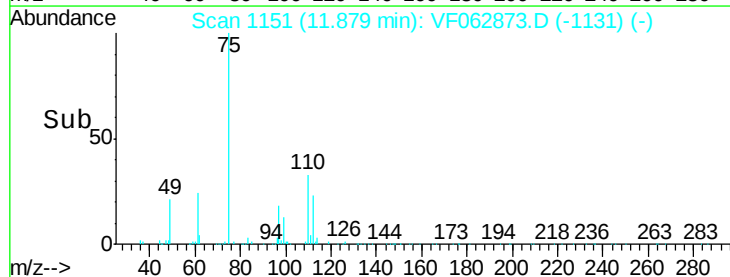
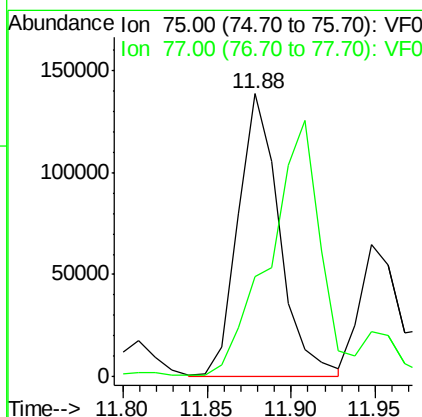
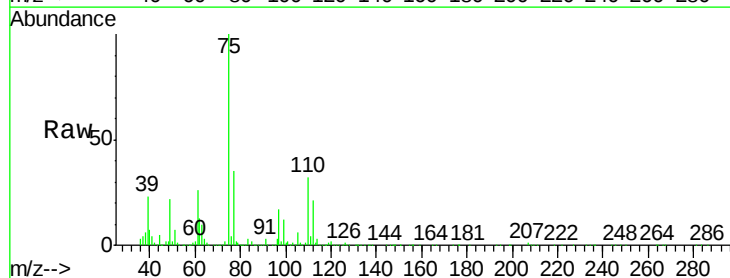
RT: 11.88 min Scan# 1151

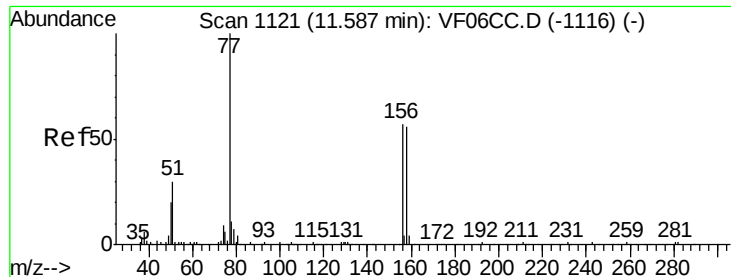
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	75	Resp:	235560
Ion Ratio	Lower	Upper	
75	100		
77	35.2	20.1	60.2





#77

Bromobenzene

Concen: 49.858 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

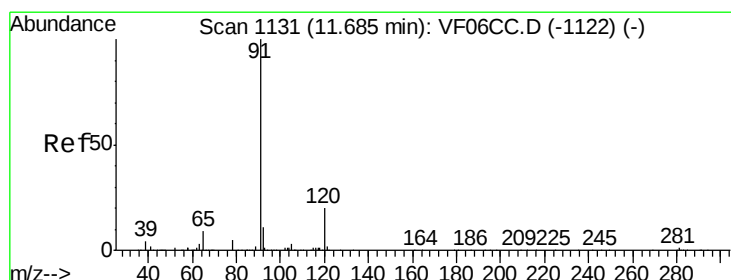
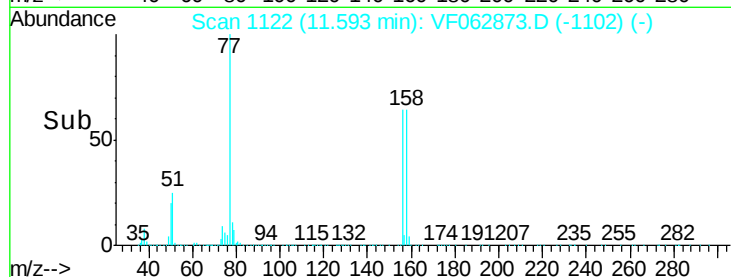
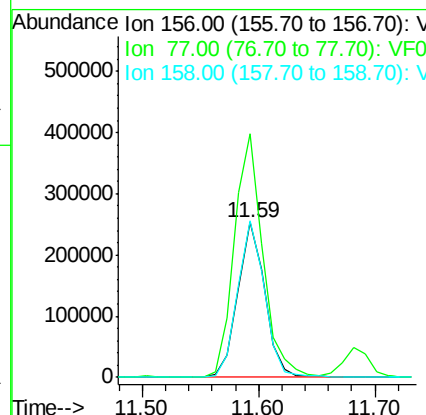
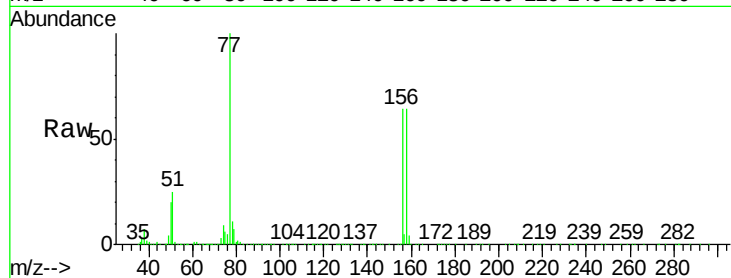
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	408850
Ion Ratio	Lower	Upper	
156	100		
77	157.0	64.2	192.6
158	101.0	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 51.839 ug/l

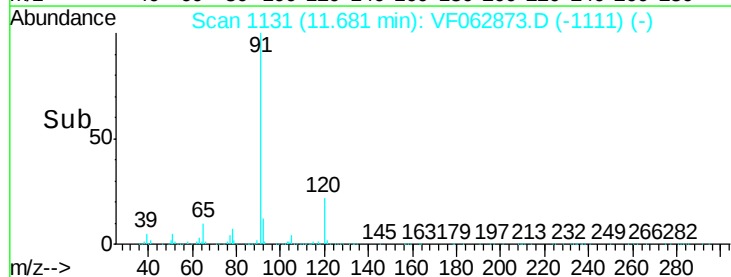
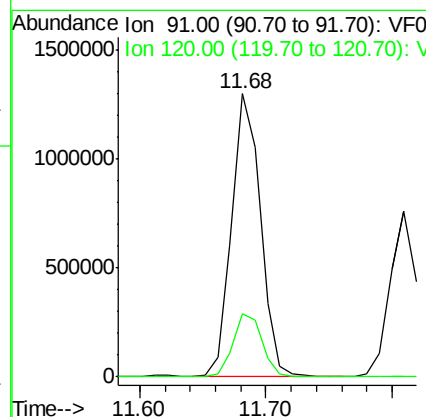
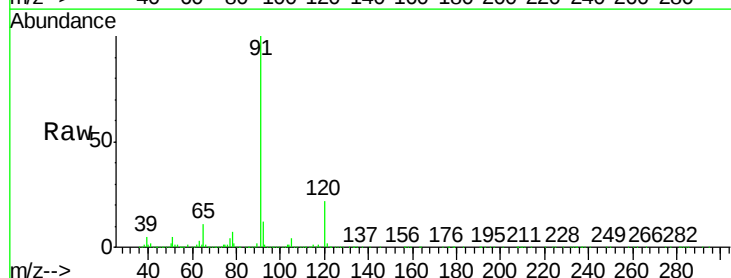
RT: 11.68 min Scan# 1131

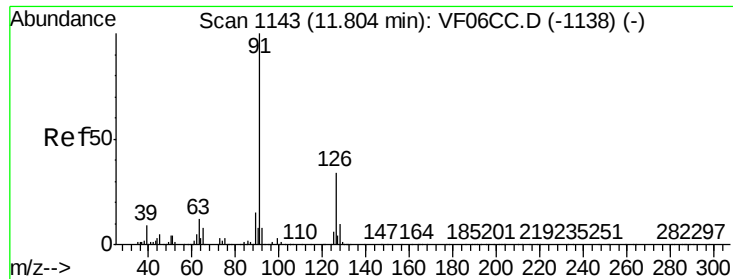
Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	91	Resp:	2042790
Ion Ratio	Lower	Upper	
91	100		
120	22.4	12.8	38.4





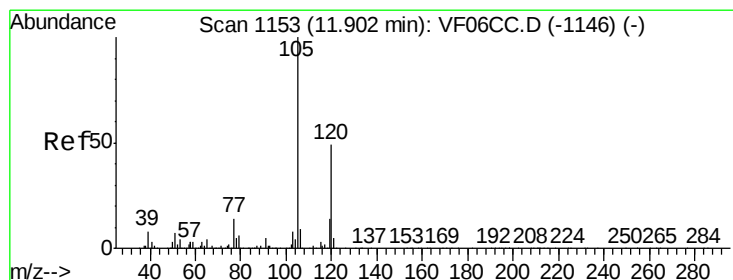
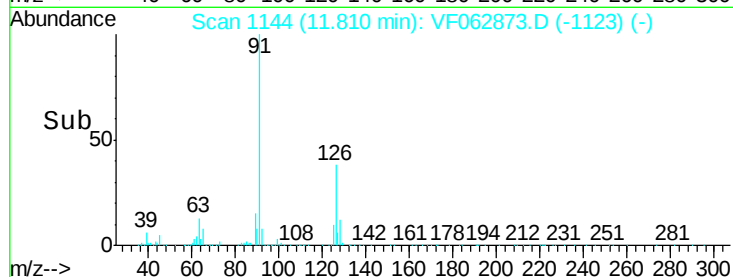
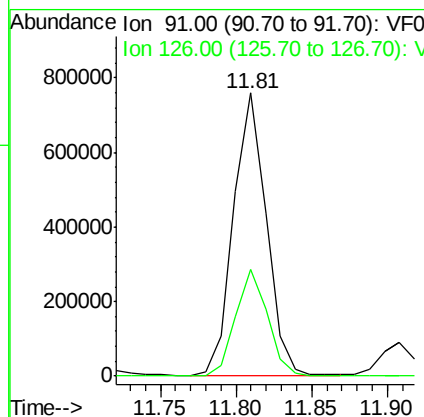
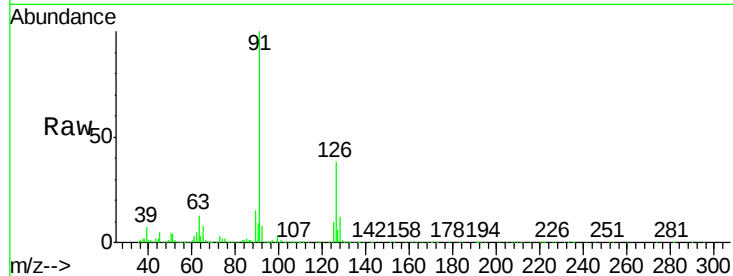
#79
2-Chlorotoluene
Concen: 50.541 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1139601
Ion Ratio Lower Upper
91 100
126 37.8 17.8 53.3

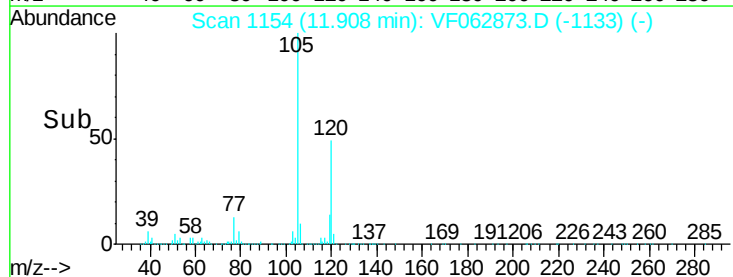
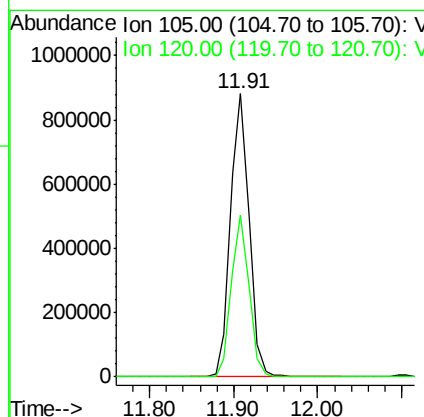
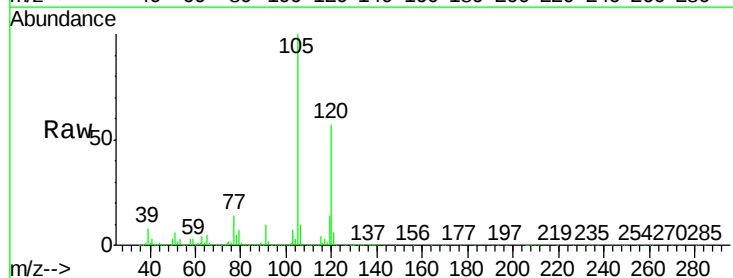
Manual Integrations
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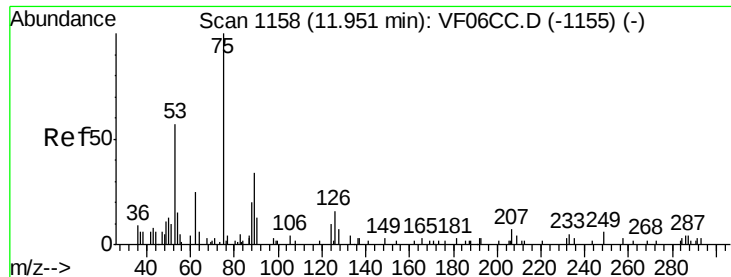
MMDadoda
6/6/2019 11:51:13 AM



#80
1,3,5-Trimethylbenzene
Concen: 50.661 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:105 Resp: 1352145
Ion Ratio Lower Upper
105 100
120 57.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.342 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

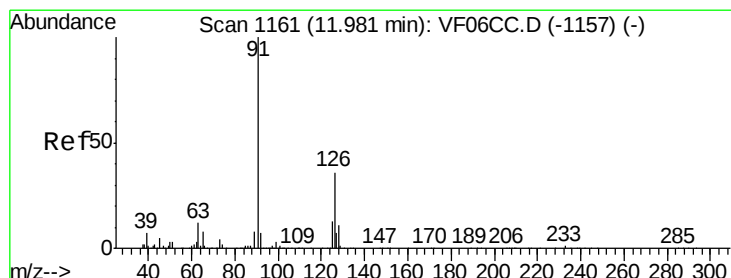
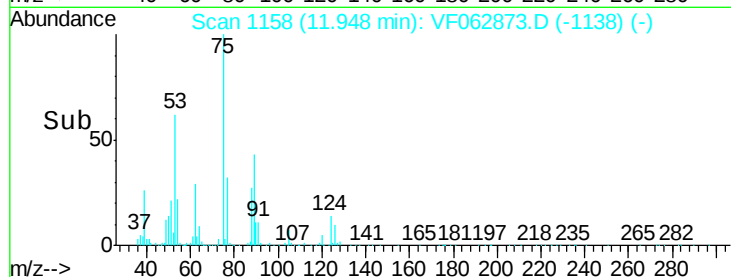
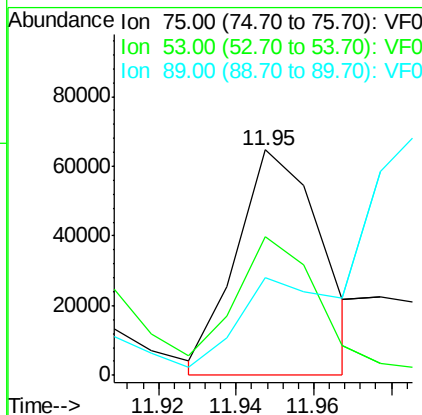
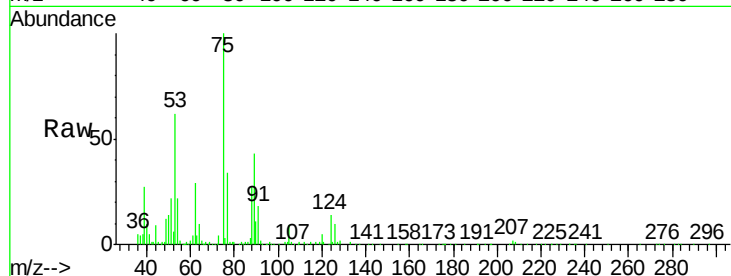
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	98464
Ion Ratio	Lower	Upper	
75	100		
53	61.7	43.5	65.3
89	43.3	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.174 ug/l

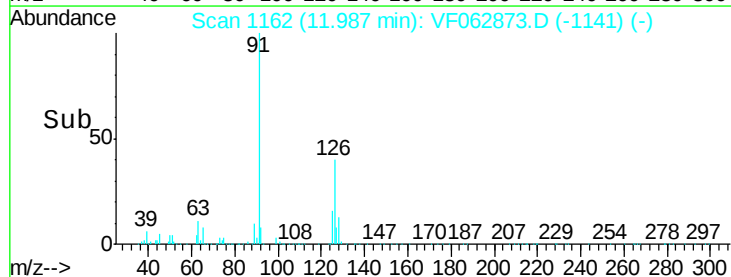
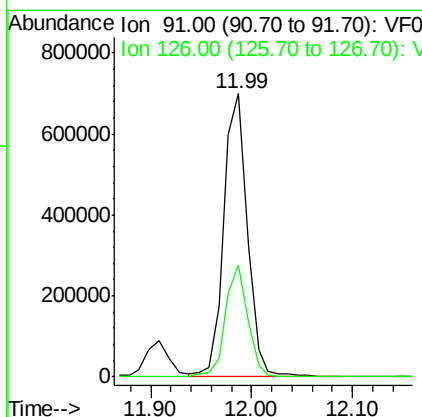
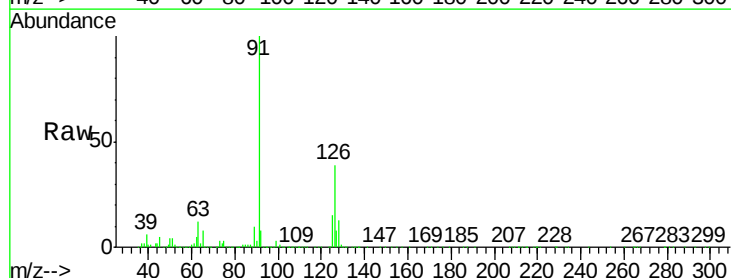
RT: 11.99 min Scan# 1162

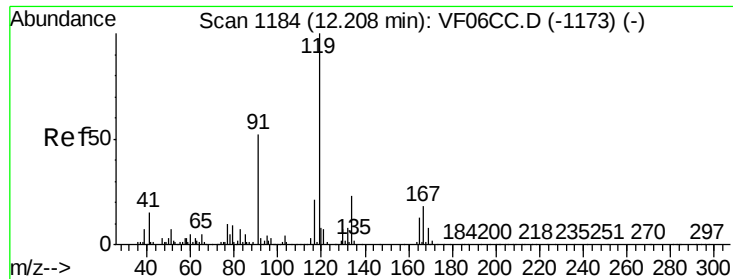
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	91	Resp:	1133976
Ion Ratio	Lower	Upper	
91	100		
126	39.4	19.1	57.1





#83

tert-Butylbenzene

Concen: 53.359 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

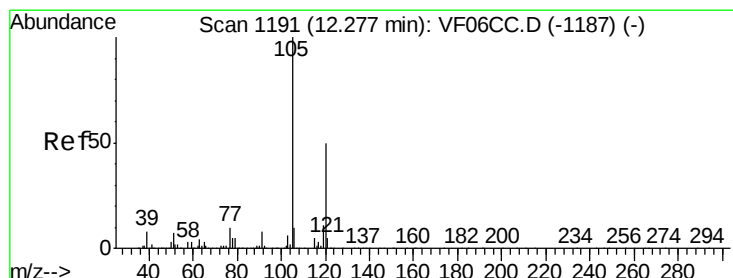
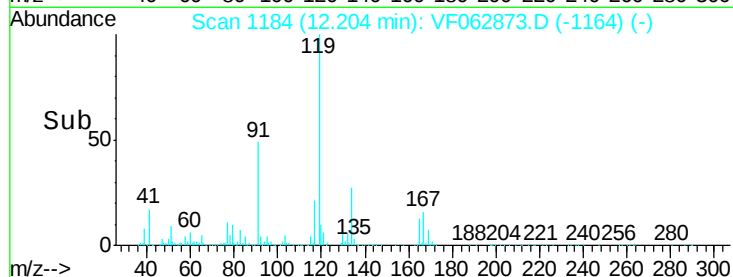
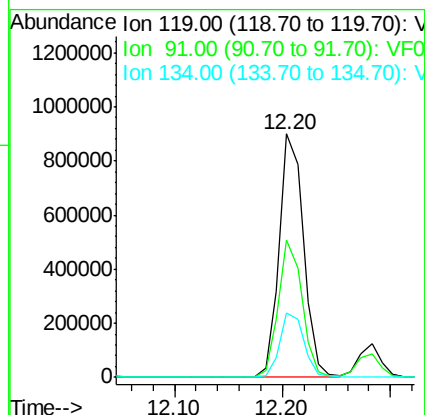
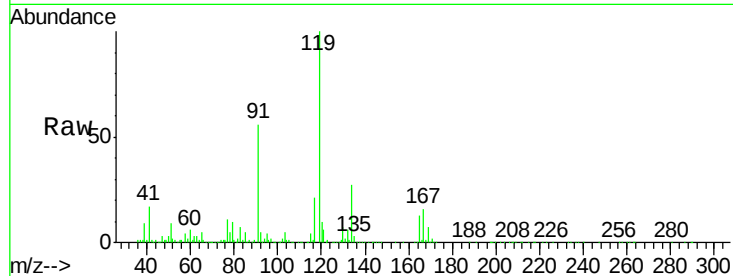
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	1411162
Ion	Ratio	Lower	Upper
119	100		
91	56.5	28.9	86.7
134	26.7	14.3	42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.149 ug/l

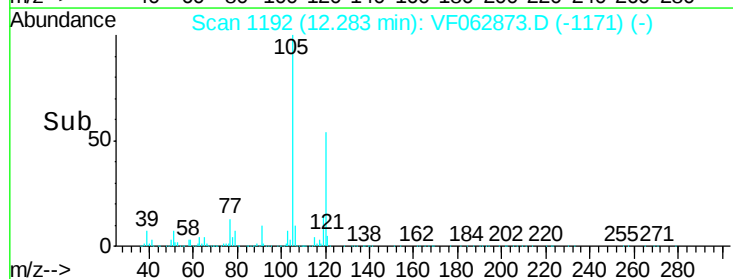
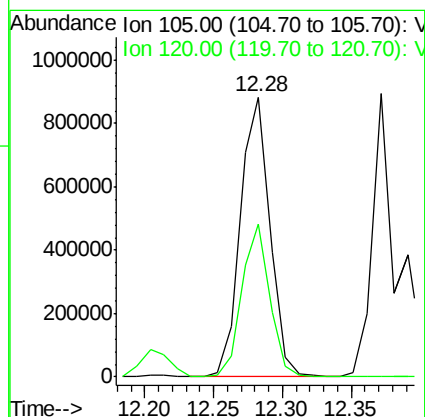
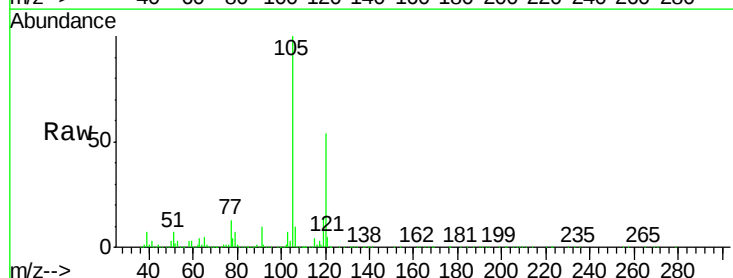
RT: 12.28 min Scan# 1192

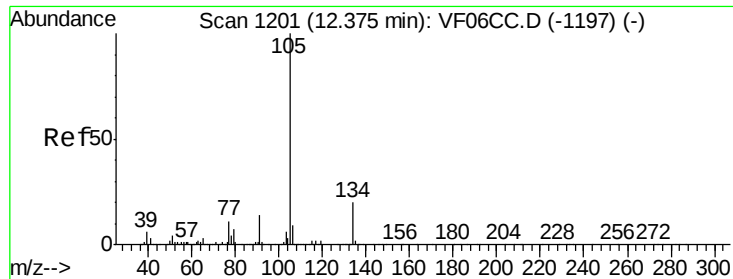
Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	105	Resp:	1319658
Ion	Ratio	Lower	Upper
105	100		
120	54.5	27.1	81.3





#85

sec-Butylbenzene

Concen: 32.218 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1122739

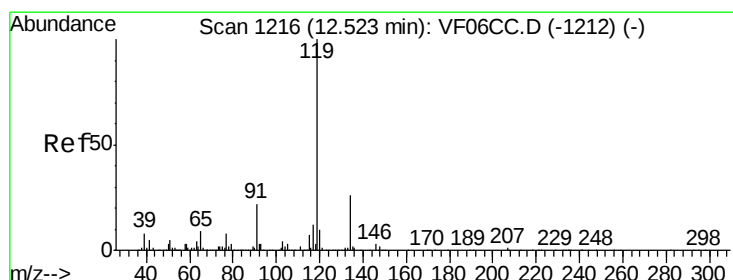
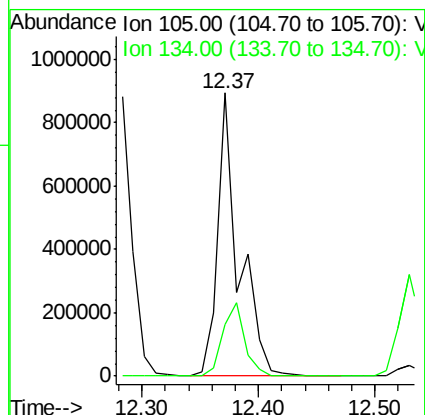
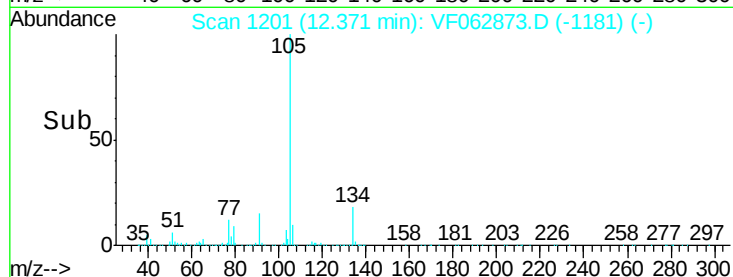
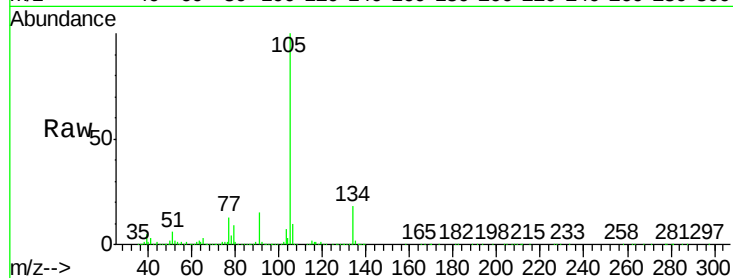
Ion Ratio Lower Upper

105 100

134 18.3 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 52.244 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

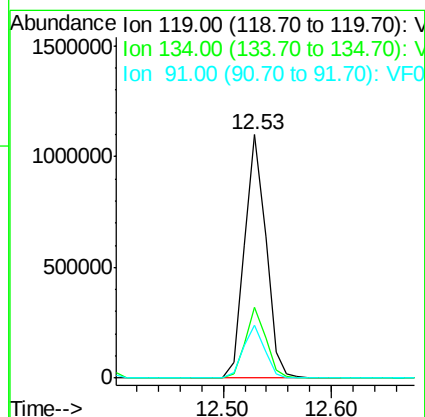
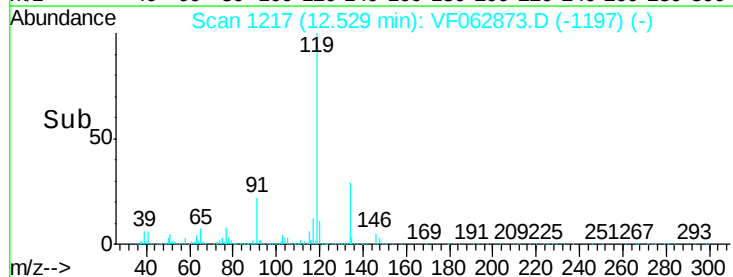
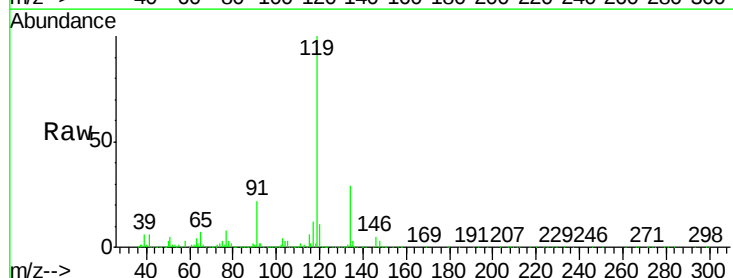
Tgt Ion:119 Resp: 1515385

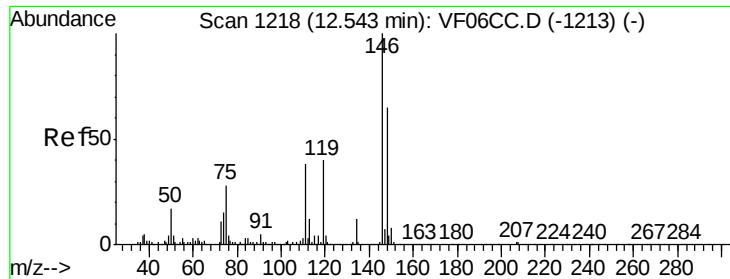
Ion Ratio Lower Upper

119 100

134 29.1 15.5 46.5

91 21.9 10.3 30.9





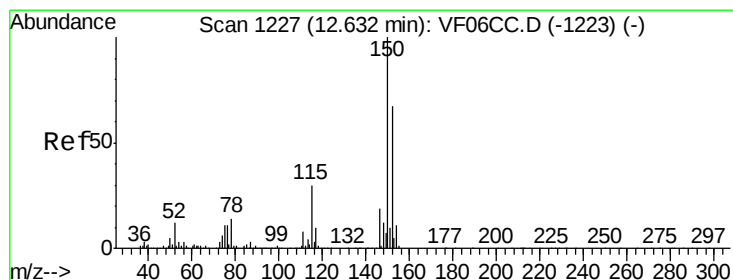
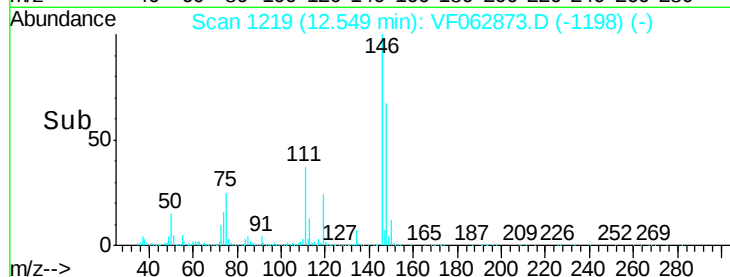
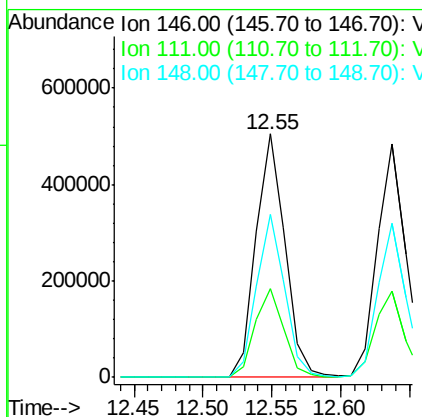
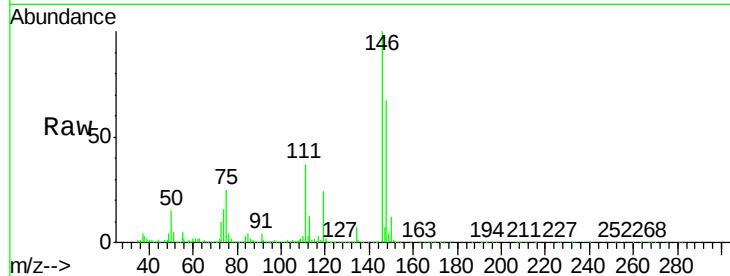
#87
 1,3-Dichlorobenzene
 Concen: 51.946 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.6	58.8
148	67.1	34.2	102.5

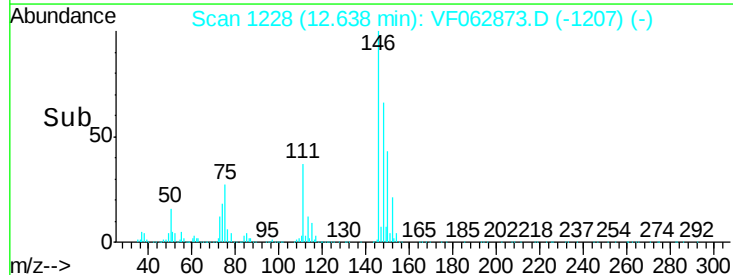
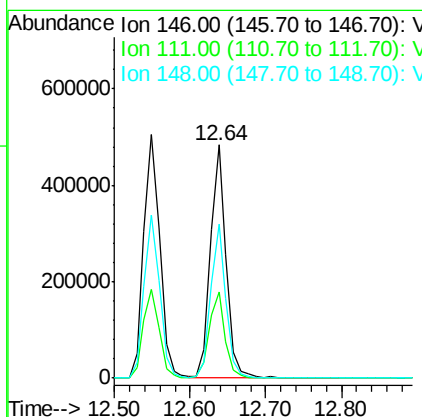
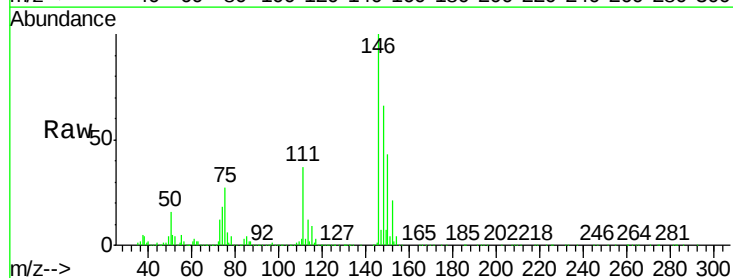
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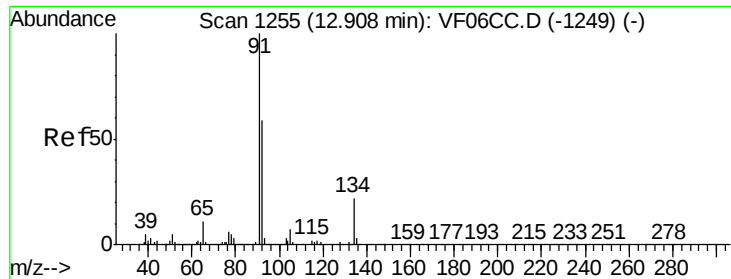
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#88
 1,4-Dichlorobenzene
 Concen: 52.581 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.3	60.9
148	65.8	34.0	101.8





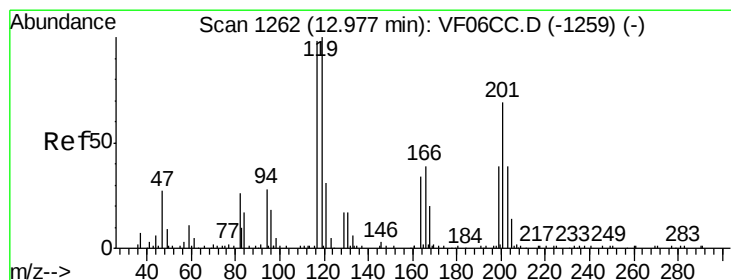
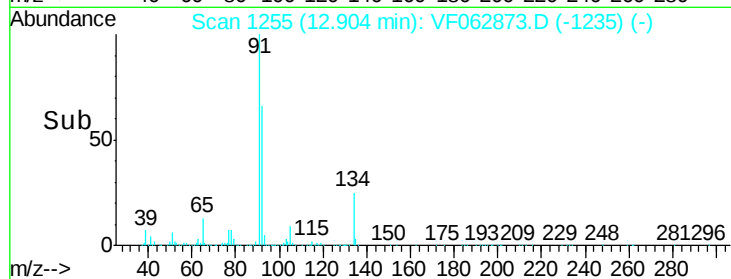
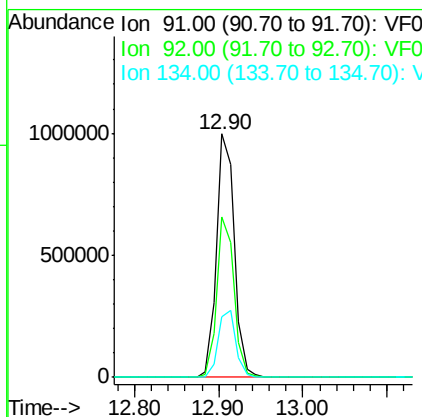
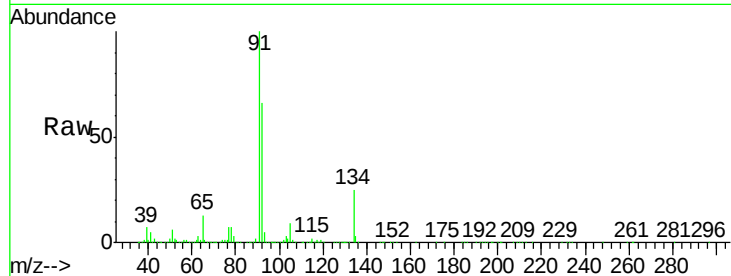
#89
n-Butylbenzene
Concen: 50.322 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.7	34.2	102.6
134	25.1	15.8	47.3

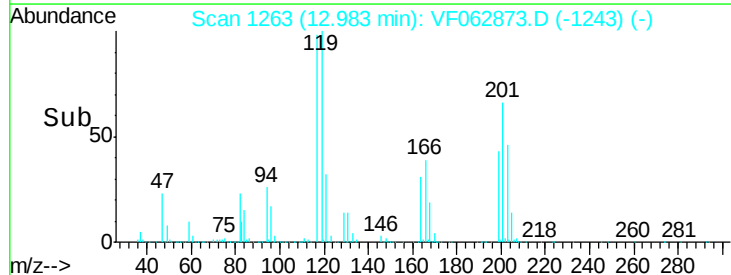
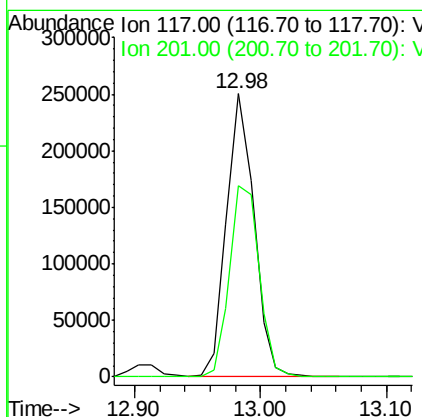
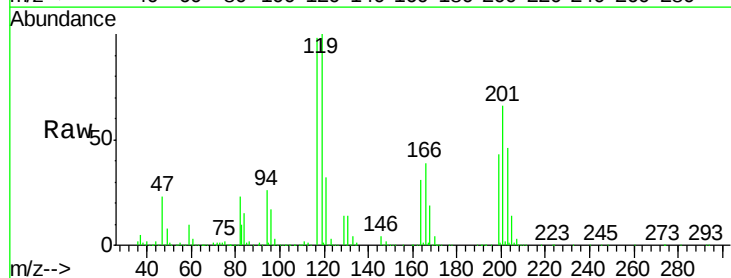
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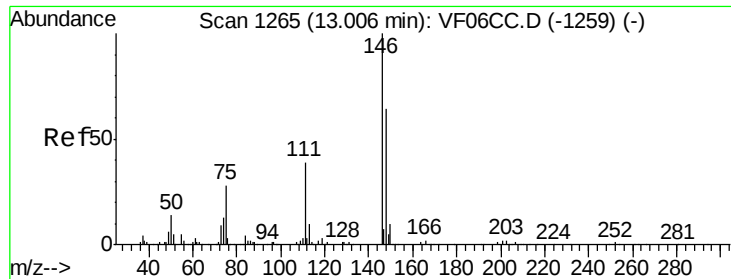
MMDadoda
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#90
Hexachloroethane
Concen: 53.522 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	38.9	116.7





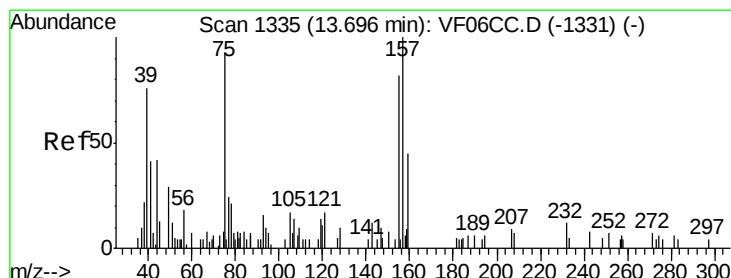
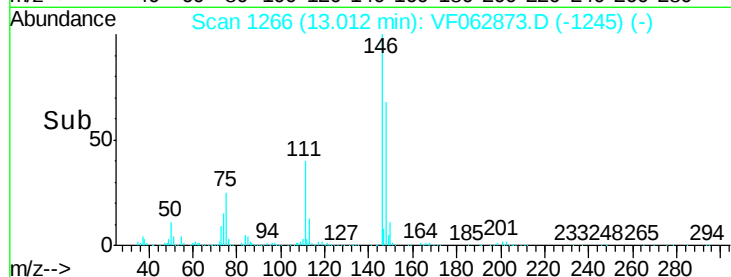
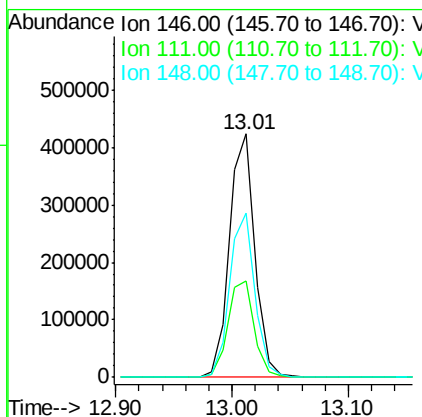
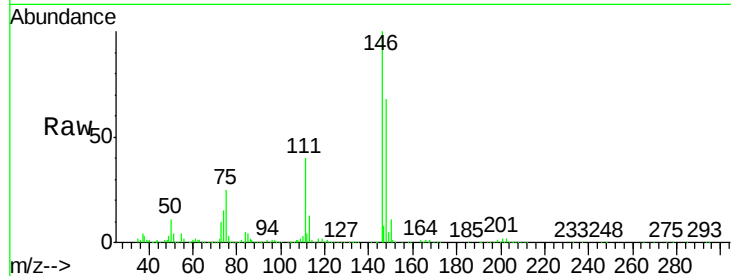
#91
 1,2-Dichlorobenzene
 Concen: 50.326 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.4	61.3
148	67.7	34.1	102.3

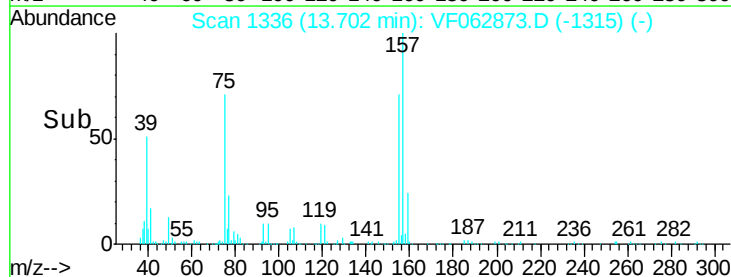
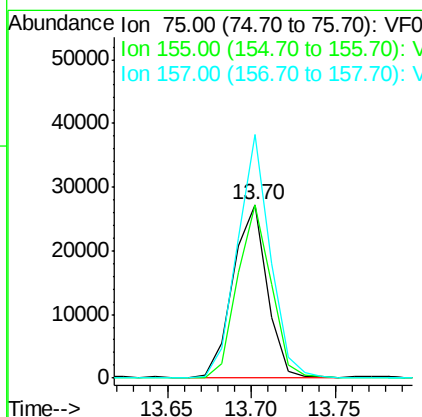
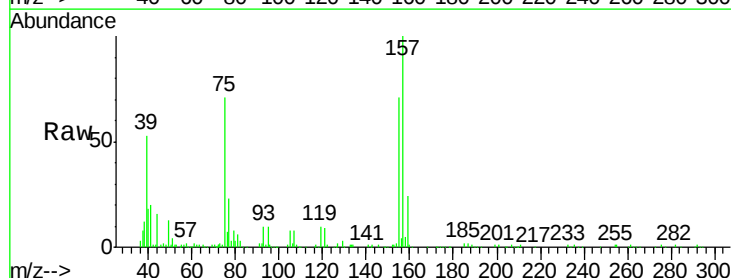
Manual Integrations
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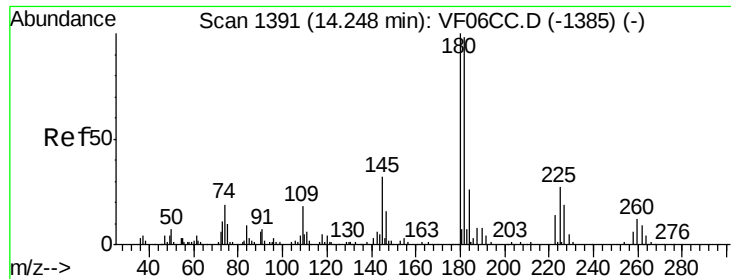
MMDadoda
 6/6/2019 11:51:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.626 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	51.7	155.1
157	140.2	66.8	200.6





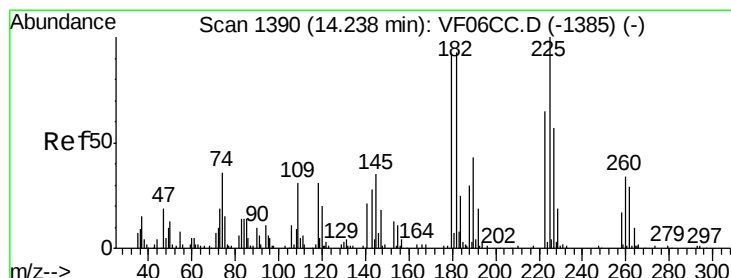
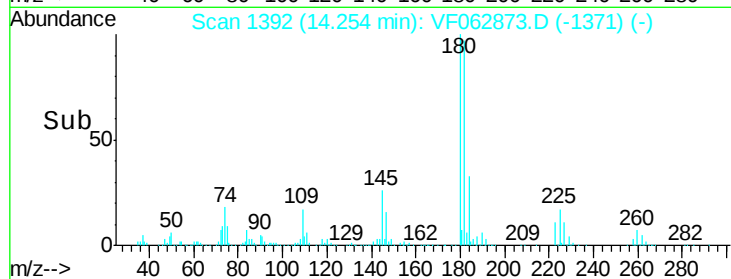
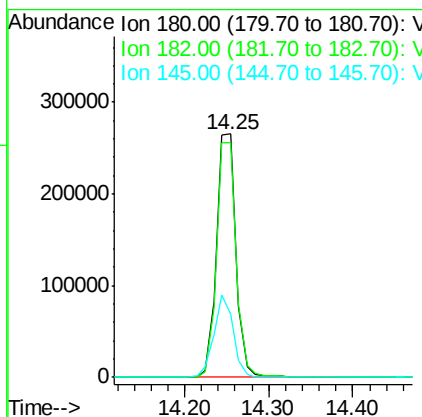
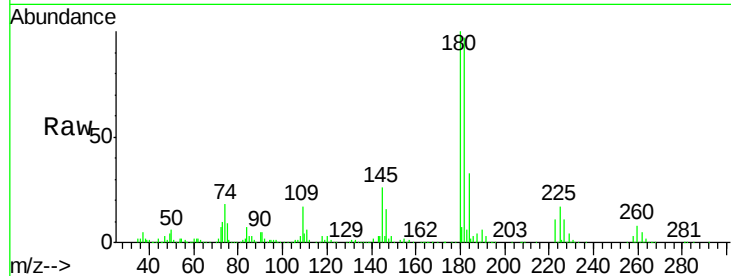
#93
 1,2,4-Trichlorobenzene
 Concen: 48.892 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	426719		
182	96.6	50.3	150.9	
145	26.1	15.4	46.2	

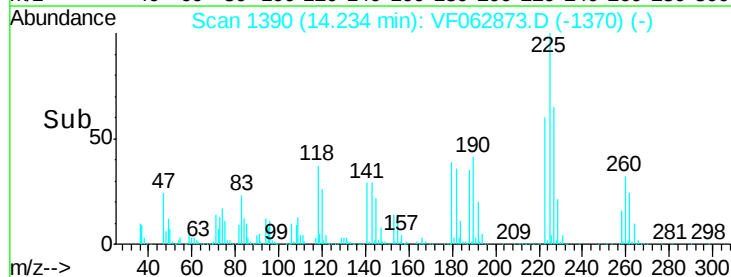
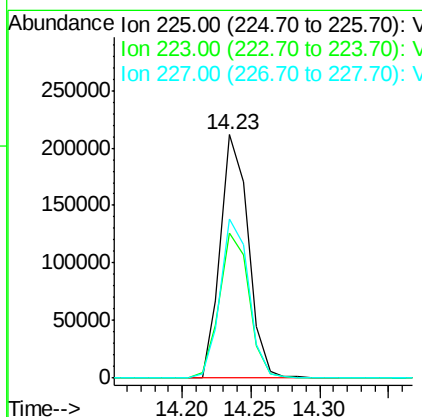
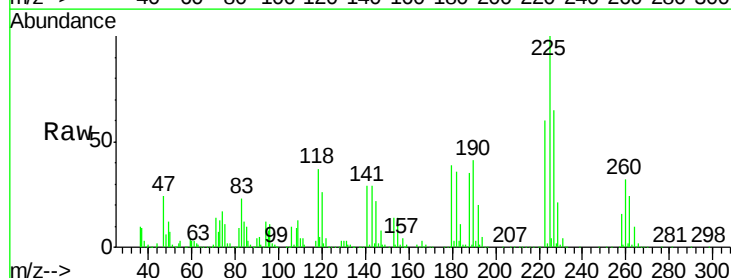
Manual Integrations
 APPROVED

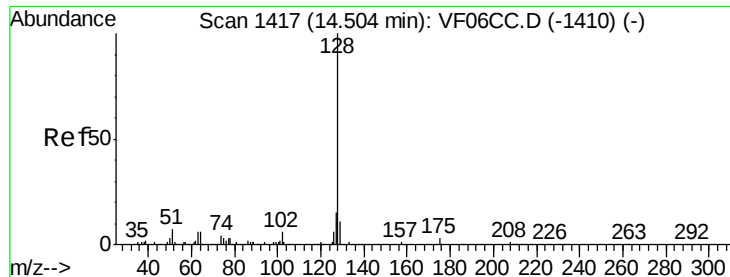
MMDadoda
 6/6/2019 11:51:13 AM



#94
 Hexachlorobutadiene
 Concen: 49.320 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	297791		
223	59.8	30.8	92.4	
227	65.2	31.9	95.5	





#95

Naphthalene

Concen: 49.900 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

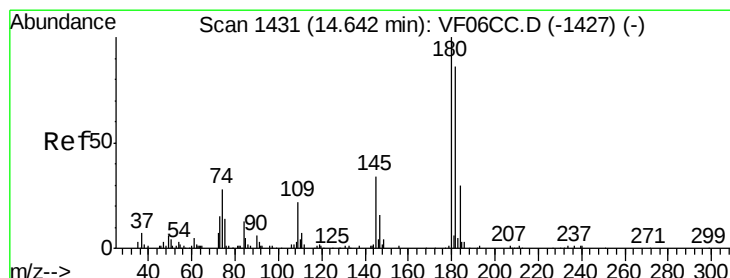
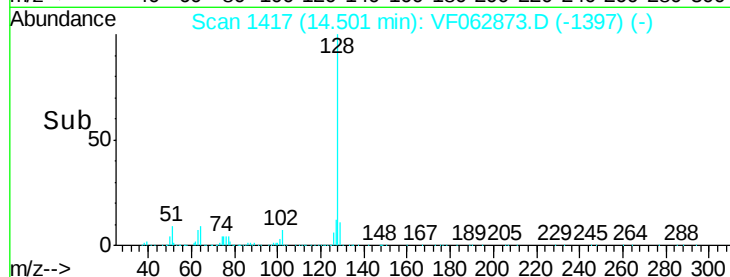
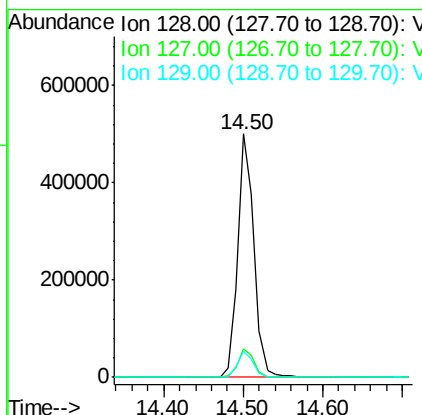
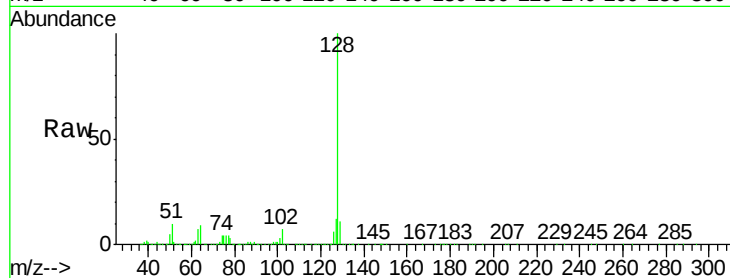
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	713508
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.7	14.5
129	10.9	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 11:51:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.180 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion:	180	Resp:	391811
Ion Ratio	Lower	Upper	
180	100		
182	99.9	48.6	145.9
145	27.8	15.7	47.0

