

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062892.D
 Acq On : 6 Jun 2019 19:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:04:18 PM

Quant Time: Jun 07 02:34:13 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	856805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1417991	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1189940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	551120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	322250	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
35) Dibromofluoromethane	4.33	113	569377	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
50) Toluene-d8	7.73	98	1403674	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.50	95	549452	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	472689	48.641	ug/l	95
3) Chloromethane	1.16	50	439835	49.612	ug/l	96
4) Vinyl Chloride	1.19	62	428759	48.668	ug/l	100
5) Bromomethane	1.41	94	264720	52.688	ug/l	90
6) Chloroethane	1.46	64	184013	55.865	ug/l	94
7) Trichlorofluoromethane	1.57	101	621083	49.799	ug/l	95
8) Diethyl Ether	1.72	74	139933	57.028	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.92	101	404980	51.648	ug/l	97
10) Methyl Iodide	2.00	142	808449	51.422	ug/l	98
11) Tert butyl alcohol	2.71	59	121064	337.298	ug/l	95
12) 1,1-Dichloroethene	1.88	96	369721	51.926	ug/l	96
13) Acrolein	2.11	56	44413	311.764	ug/l	92
14) Allyl chloride	2.21	41	345127m	62.481	ug/l	
15) Acrylonitrile	3.11	53	330475	245.036	ug/l	# 93
16) Acetone	2.36	43	392740	289.617	ug/l	98
17) Carbon Disulfide	1.93	76	1077229	51.764	ug/l	98
18) Methyl Acetate	2.47	43	136985	57.806	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	735095	56.985	ug/l	97
20) Methylene Chloride	2.35	84	391799m	58.185	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	371917	52.097	ug/l	94
22) Diisopropyl ether	2.96	45	924811	58.930	ug/l	99
23) Vinyl Acetate	3.36	43	3030559	282.074	ug/l	97
24) 1,1-Dichloroethane	3.03	63	661888	56.488	ug/l	97
25) 2-Butanone	4.54	43	878009	278.029	ug/l	96
26) 2,2-Dichloropropane	3.80	77	352656	53.006	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	619705	51.641	ug/l	90
28) Bromochloromethane	3.92	49	349825	54.886	ug/l	95
29) Tetrahydrofuran	4.29	42	367760	304.478	ug/l	97
30) Chloroform	4.07	83	836056	50.627	ug/l	100
31) Cyclohexane	3.90	56	820254	51.706	ug/l	92
32) 1,1,1-Trichloroethane	4.32	97	545983	56.785	ug/l	96
36) 1,1-Dichloropropene	4.50	75	690420	52.890	ug/l	99
37) Ethyl Acetate	4.33	43	299509	60.021	ug/l	94
38) Carbon Tetrachloride	4.21	117	481828	54.615	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	873298	53.752	ug/l	95
40) Benzene	4.84	78	2026897	53.351	ug/l	98
41) Methacrylonitrile	4.95	41	161501	58.218	ug/l	95
42) 1,2-Dichloroethane	5.15	62	387625	53.645	ug/l	91
43) Isopropyl Acetate	7.13	43	405780	61.557	ug/l #	93
44) Trichloroethene	5.71	130	554167	51.685	ug/l	99
45) 1,2-Dichloropropane	6.43	63	528550	55.439	ug/l	95
46) Dibromomethane	6.28	93	309701	55.639	ug/l	93
47) Bromodichloromethane	6.58	83	608021	53.636	ug/l	96
48) Methyl methacrylate	6.89	41	202126	59.497	ug/l	92
49) 1,4-Dioxane	6.89	88	58226	1300.287	ug/l	85
51) 4-Methyl-2-Pentanone	8.42	43	1388806	295.100	ug/l	99
52) Toluene	7.80	92	1110147	54.252	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	500199	53.249	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	724005	53.246	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	331915	54.295	ug/l	96
56) Ethyl methacrylate	8.77	69	389475	59.378	ug/l	98
57) 1,3-Dichloropropane	9.01	76	563647	56.461	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	737934	321.904	ug/l	97
59) 2-Hexanone	9.64	43	1045286	311.612	ug/l	96
60) Dibromochloromethane	8.87	129	438158	57.892	ug/l	97
61) 1,2-Dibromoethane	9.15	107	377216	59.414	ug/l	99
64) Tetrachloroethene	8.32	164	430970	47.132	ug/l	92
65) Chlorobenzene	9.95	112	1154407	50.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	466811	51.008	ug/l	98
67) Ethyl Benzene	10.05	91	2024868	51.348	ug/l	98
68) m/p-Xylenes	10.27	106	1460969	96.817	ug/l	99
69) o-Xylene	10.83	106	796057	52.105	ug/l	100
70) Styrene	10.90	104	1165897	51.774	ug/l	100
71) Bromoform	10.89	173	247096	56.282	ug/l	98
73) Isopropylbenzene	11.23	105	2018144	52.481	ug/l	100
74) N-amyl acetate	11.45	43	592453	54.663	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	451368	54.964	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	294808	54.158	ug/l	95
77) Bromobenzene	11.59	156	492208	50.942	ug/l	88
78) n-propylbenzene	11.68	91	2275367	49.005	ug/l	98
79) 2-Chlorotoluene	11.81	91	1333739	50.201	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1570534	49.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	132422m	57.460	ug/l	
82) 4-Chlorotoluene	11.98	91	1320319	50.568	ug/l	93
83) tert-Butylbenzene	12.20	119	1587905	50.958	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1526597	51.199	ug/l	100
85) sec-Butylbenzene	12.38	105	2131026	51.900	ug/l	97
86) p-Isopropyltoluene	12.53	119	1739990	50.911	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	847829	49.755	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	799151	50.253	ug/l	96
89) n-Butylbenzene	12.90	91	1726892	50.230	ug/l	96
90) Hexachloroethane	12.98	117	433649	52.023	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	771211	51.491	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	51242	57.274	ug/l	85

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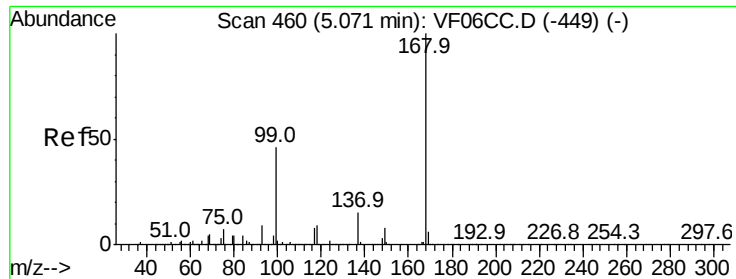
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	498373	48.462	ug/l	98
94) Hexachlorobutadiene	14.23	225	339377	47.703	ug/l	98
95) Naphthalene	14.50	128	923704	54.826	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	469883	50.055	ug/l	97

(#) = 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: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 856805

Ion Ratio Lower Upper

168 100

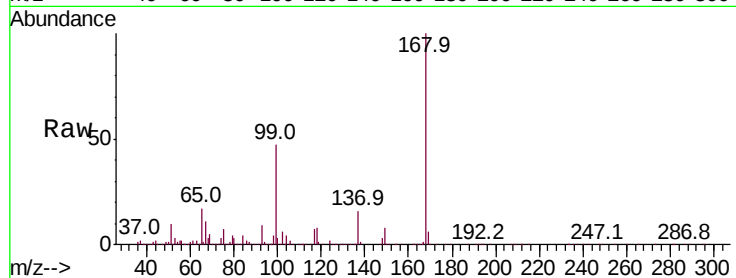
99 47.2 39.1 58.7

Manual Integrations

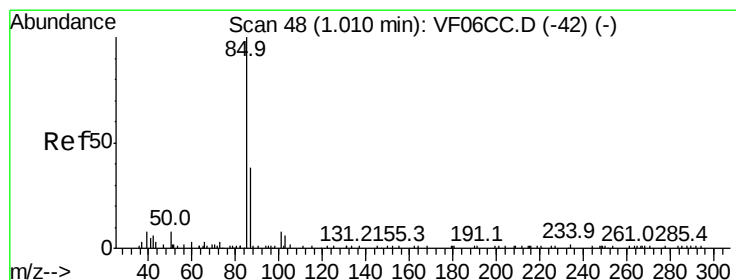
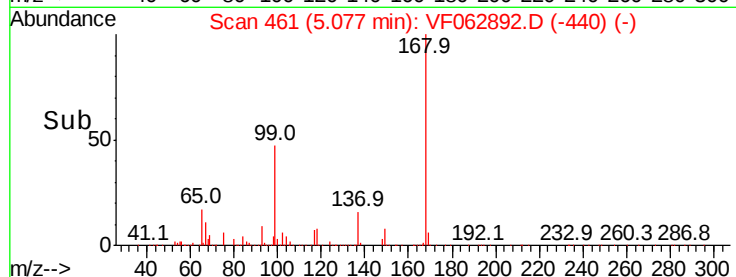
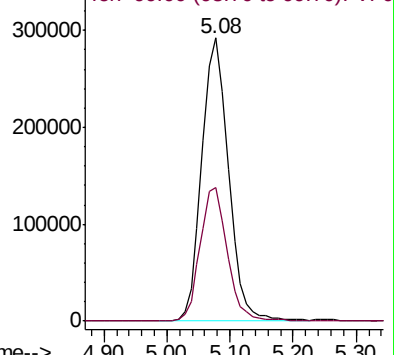
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 48.641 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062892.D

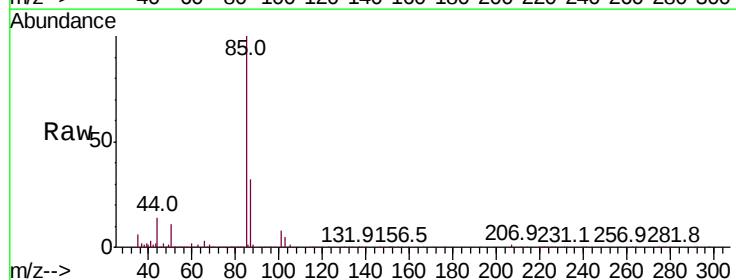
Acq: 6 Jun 2019 19:43

Tgt Ion: 85 Resp: 472689

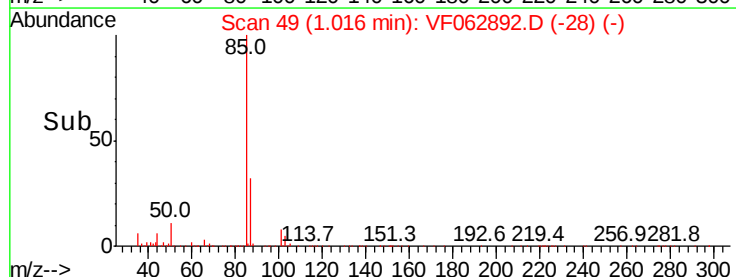
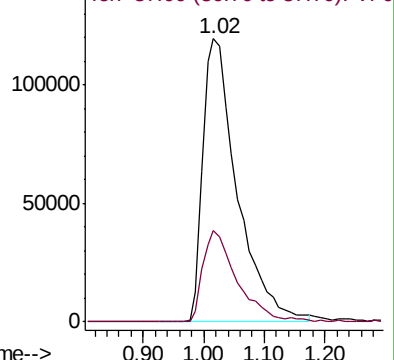
Ion Ratio Lower Upper

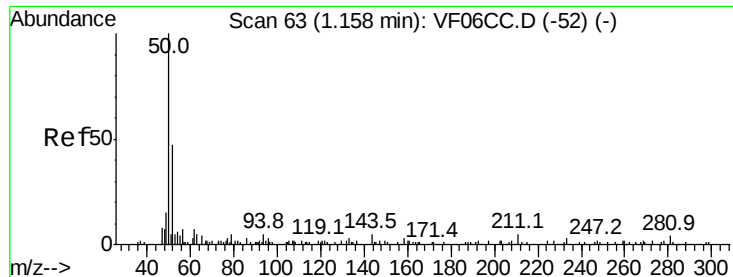
85 100

87 32.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 49.612 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 439835

Ion Ratio Lower Upper

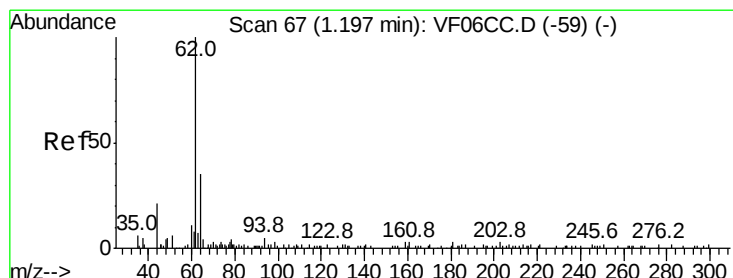
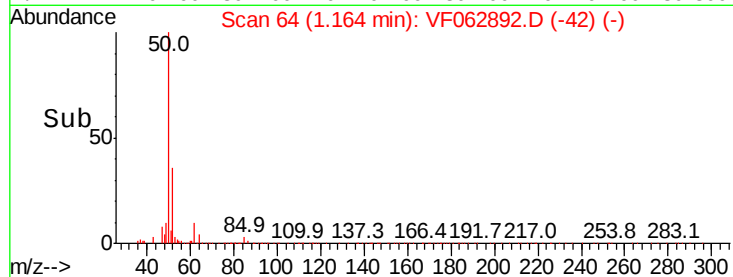
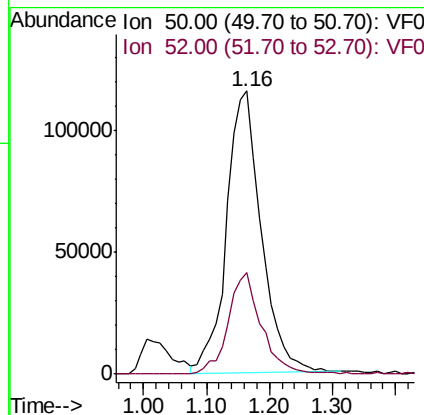
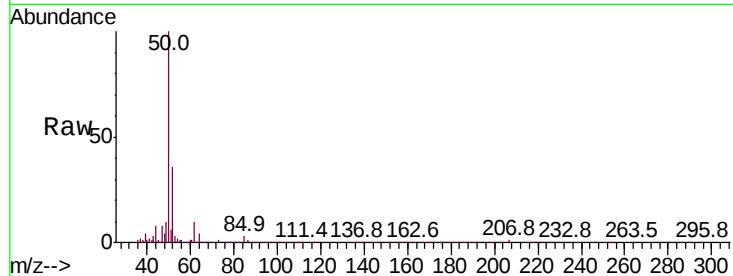
50 100

52 36.0 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.668 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062892.D

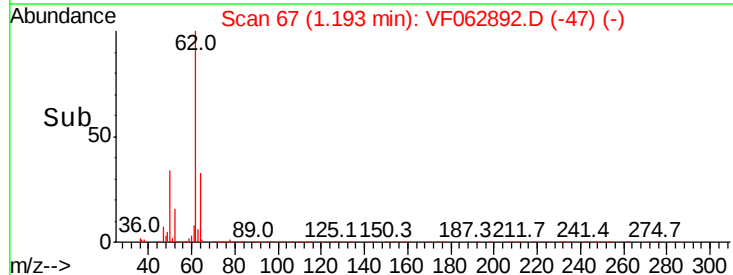
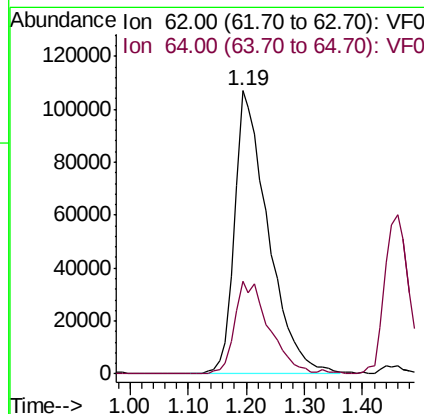
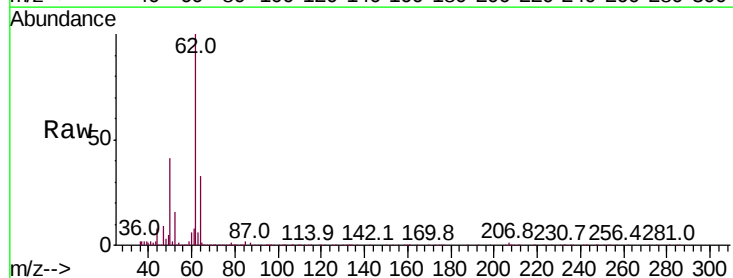
Acq: 6 Jun 2019 19:43

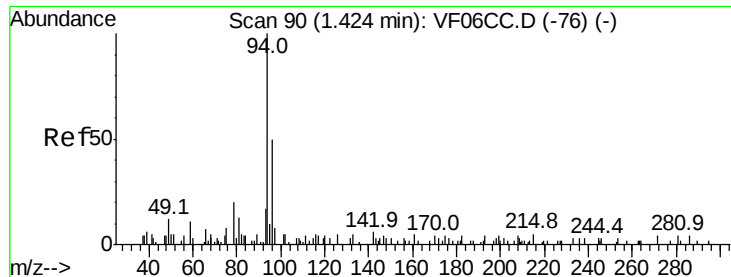
Tgt Ion: 62 Resp: 428759

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2





#5

Bromomethane

Concen: 52.688 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 264720

Ion Ratio Lower Upper

94 100

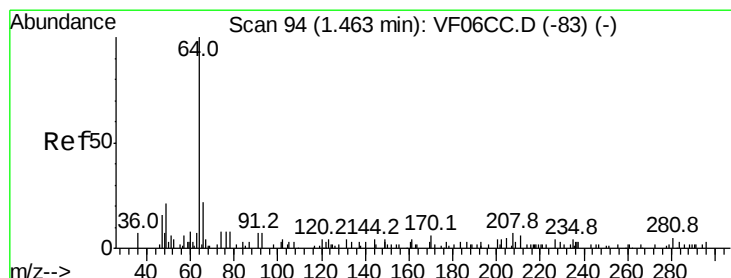
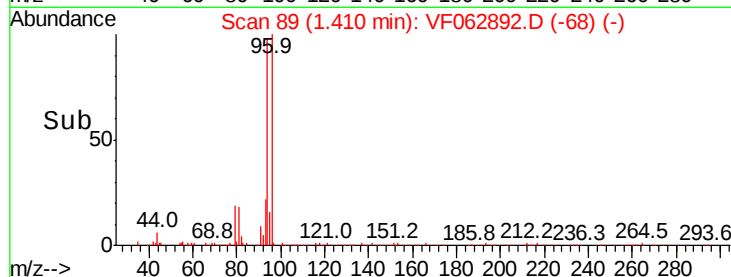
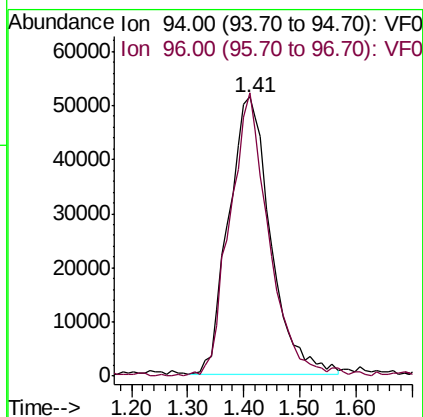
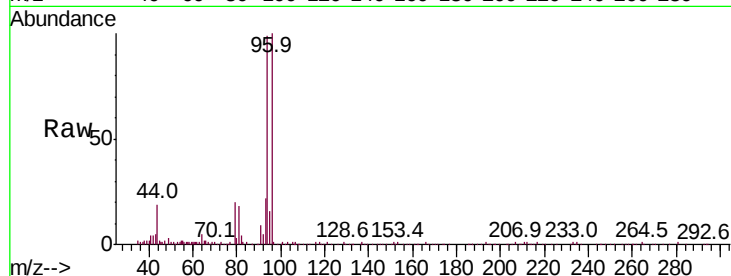
96 101.3 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 55.865 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062892.D

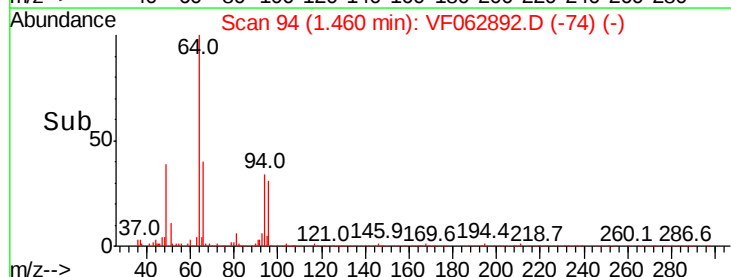
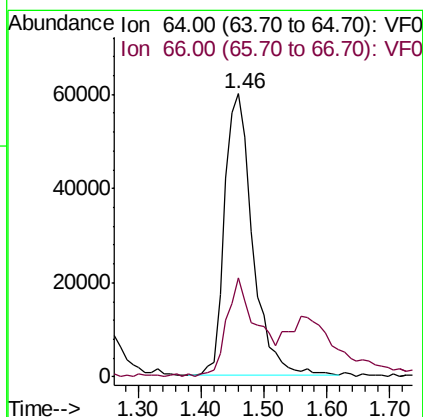
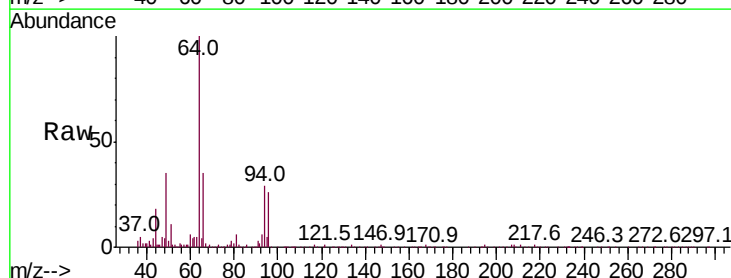
Acq: 6 Jun 2019 19:43

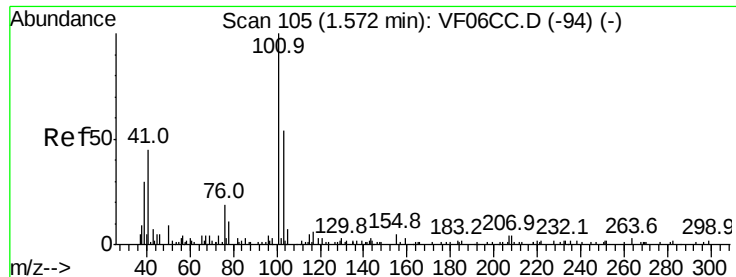
Tgt Ion: 64 Resp: 184013

Ion Ratio Lower Upper

64 100

66 34.9 31.0 46.4





#7

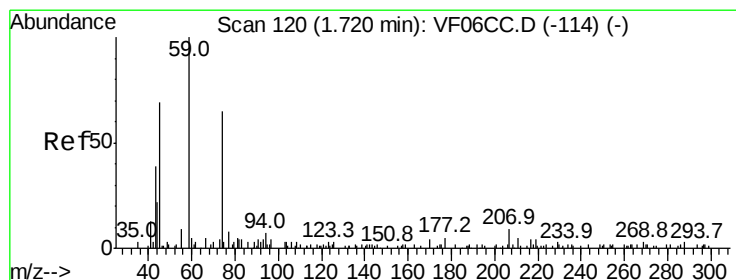
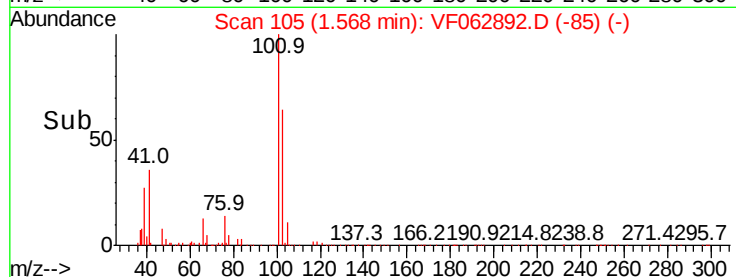
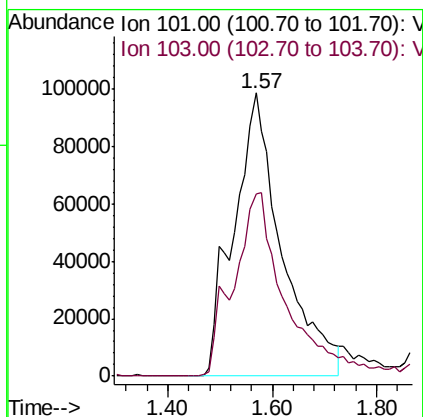
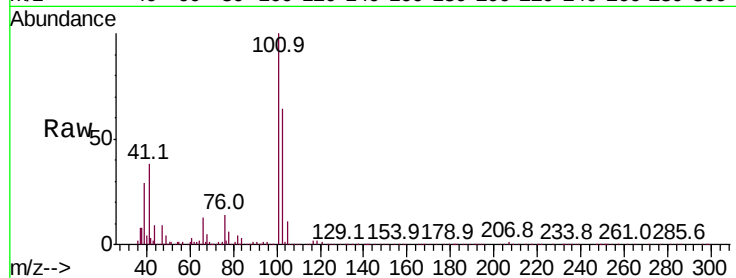
Trichlorofluoromethane
Concen: 49.799 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	54.6	82.0

Manual Integrations
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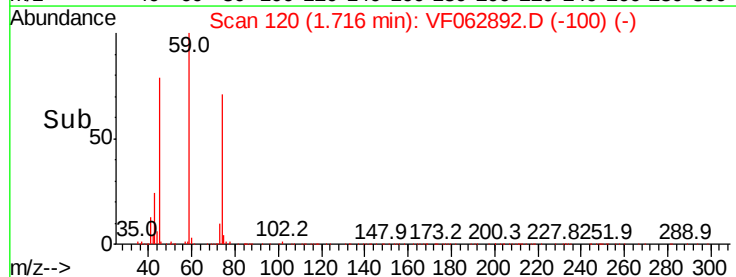
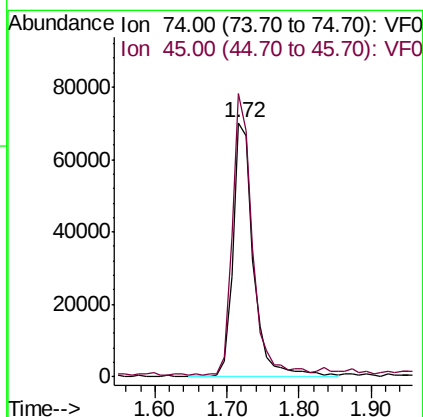
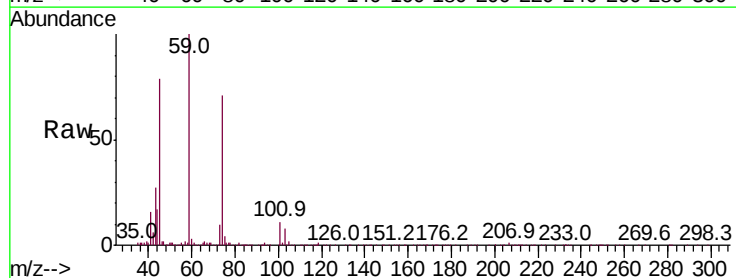
MMDadoda
6/7/2019 4:04:18 PM

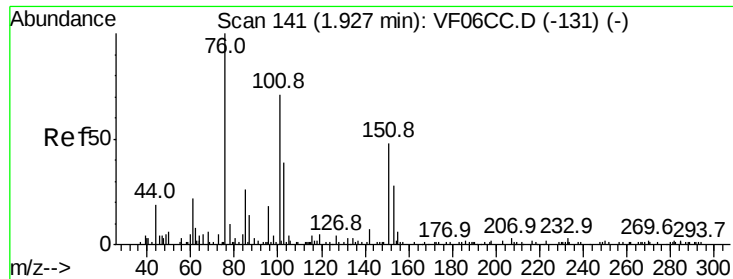


#8

Diethyl Ether
Concen: 57.028 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.4	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.648 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

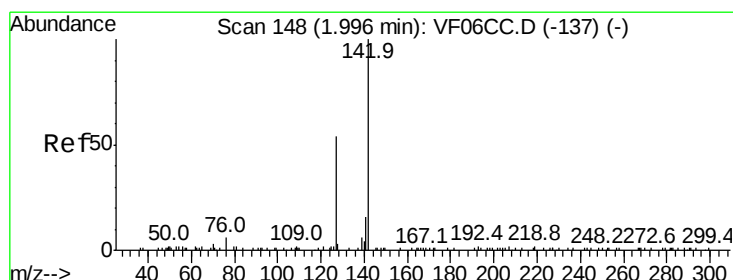
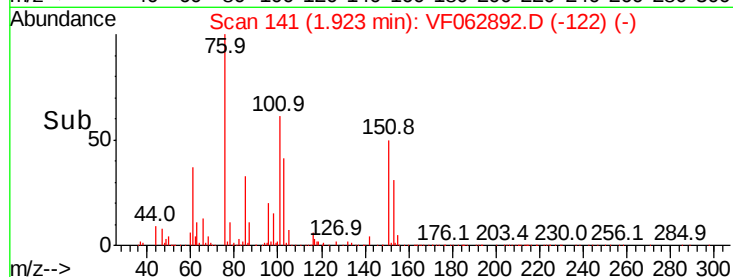
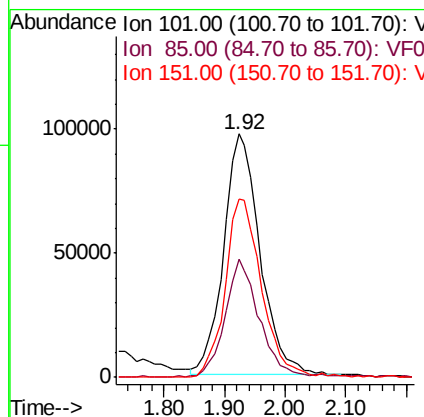
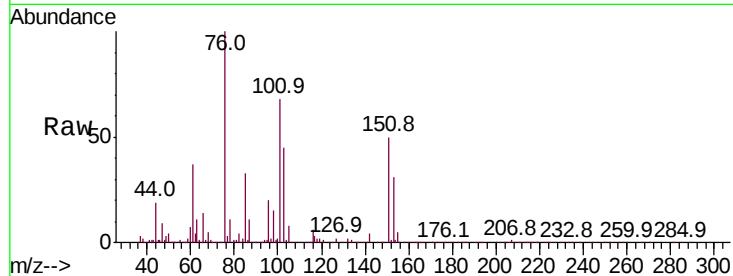
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	404980
Ion Ratio	Lower	Upper	
101	100		
85	48.4	37.1	55.7
151	73.5	60.3	90.5

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#10

Methyl Iodide

Concen: 51.422 ug/l

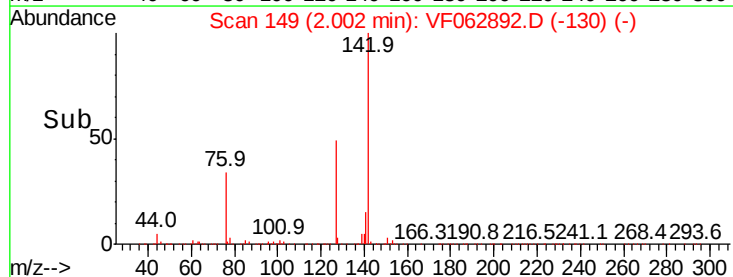
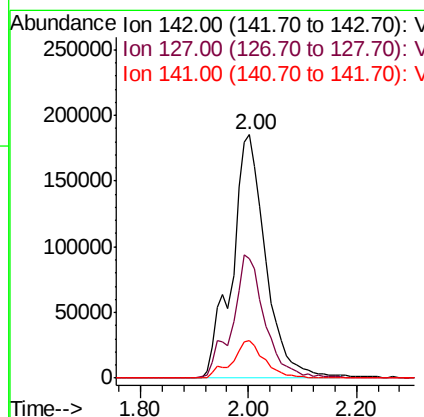
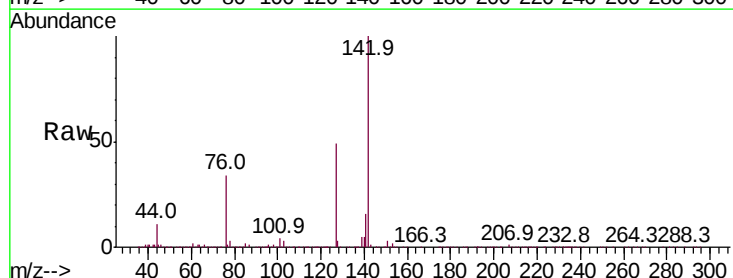
RT: 2.00 min Scan# 149

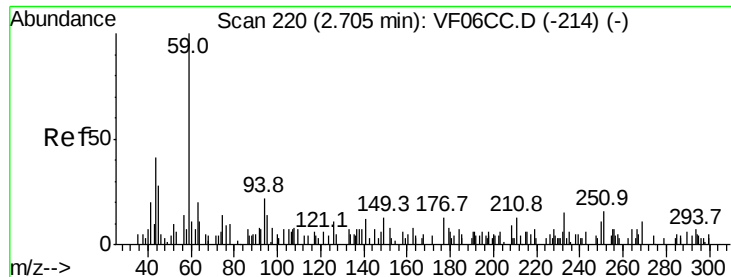
Delta R.T. -0.02 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	142	Resp:	808449
Ion Ratio	Lower	Upper	
142	100		
127	49.0	39.4	59.2
141	15.5	10.6	15.8





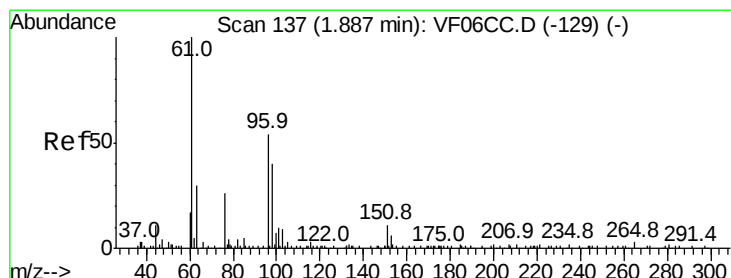
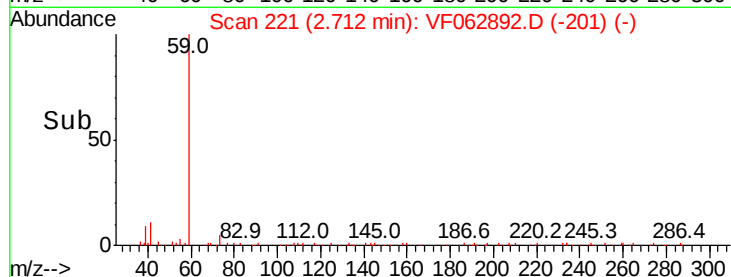
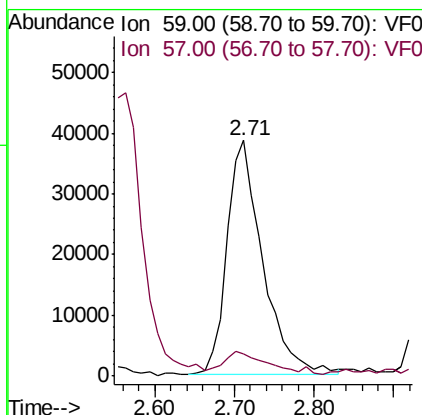
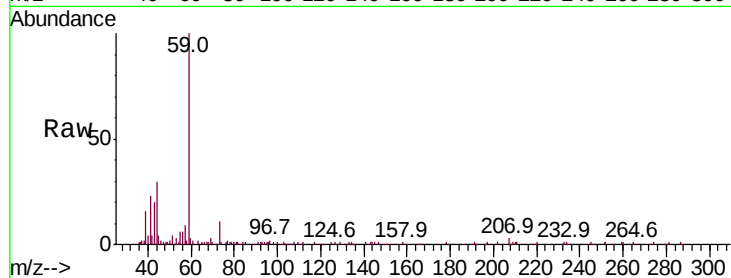
#11
Tert butyl alcohol
Concen: 337.298 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	121064
Ion Ratio	100	Lower	Upper
57	9.4	9.2	13.8

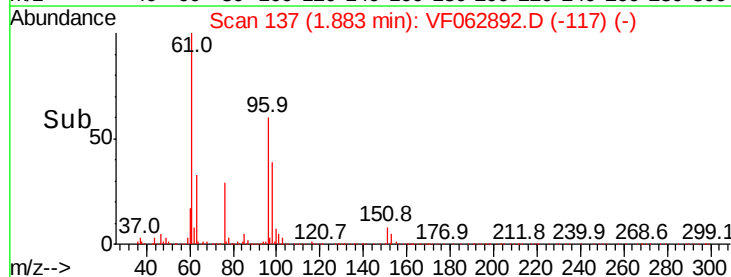
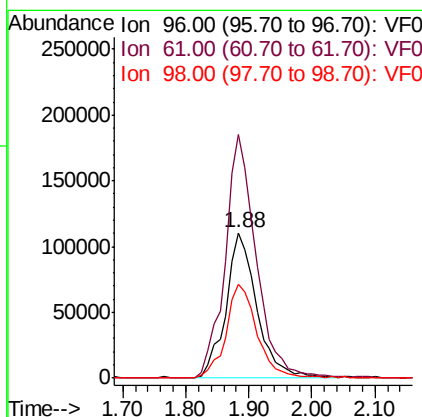
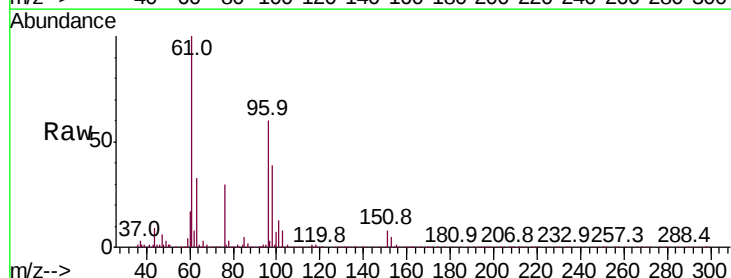
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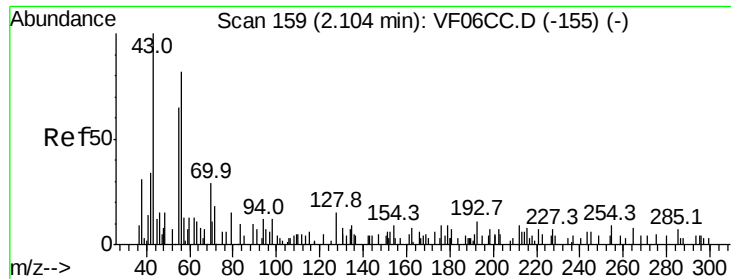
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.926 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	96	Resp	369721
Ion Ratio	100	Lower	Upper
61	167.4	139.4	209.2
98	64.5	50.3	75.5





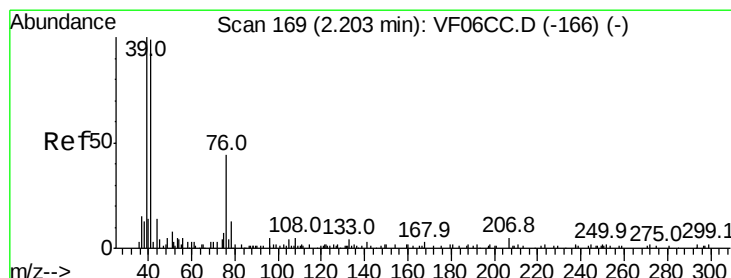
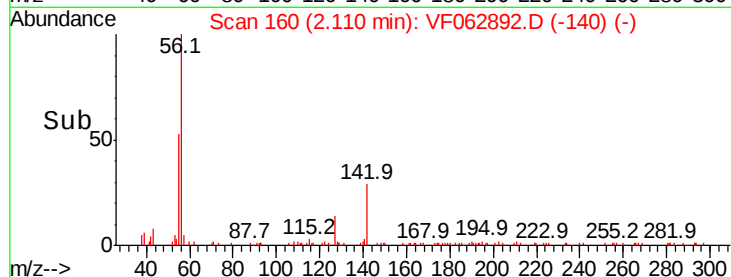
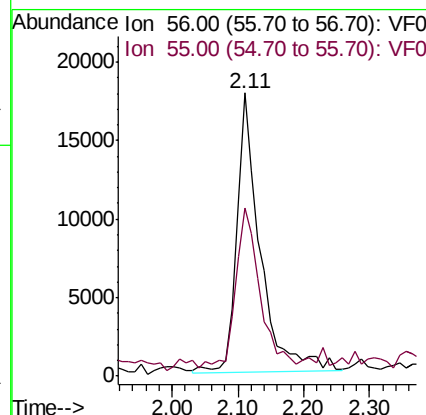
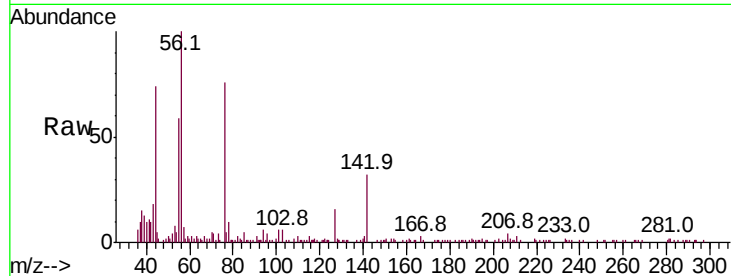
#13
Acrolein
Concen: 311.764 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 44413
Ion Ratio Lower Upper
56 100
55 59.5 52.9 79.3

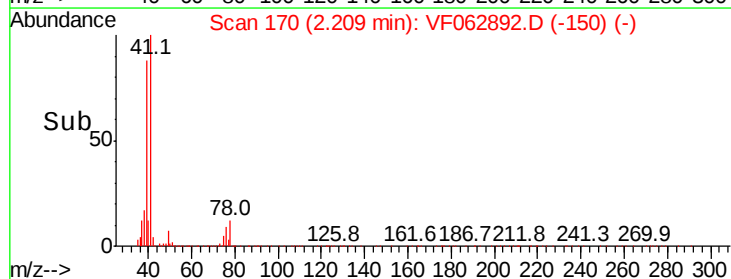
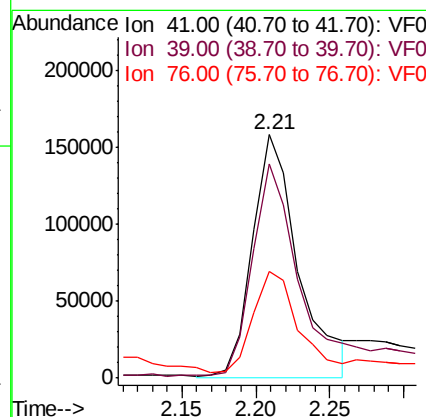
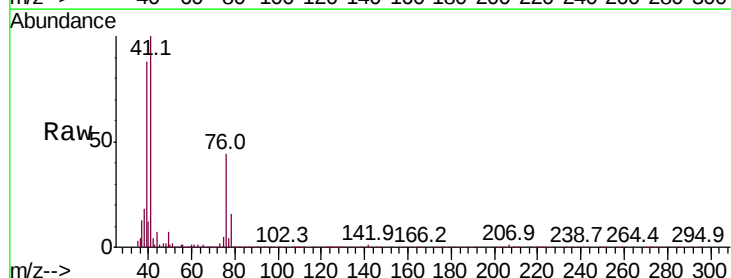
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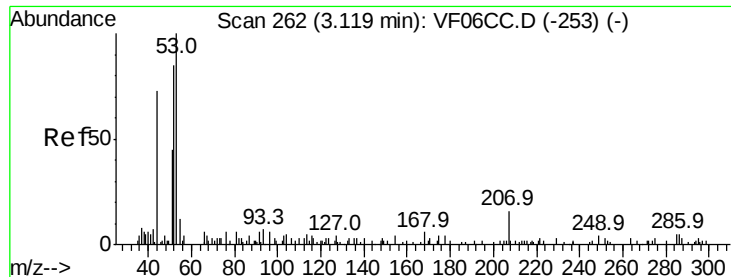
MMDadoda
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#14
Allyl chloride
Concen: 62.481 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 41 Resp: 345127
Ion Ratio Lower Upper
41 100
39 87.9 71.9 107.9
76 43.6 39.6 59.4





#15

Acrylonitrile

Concen: 245.036 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

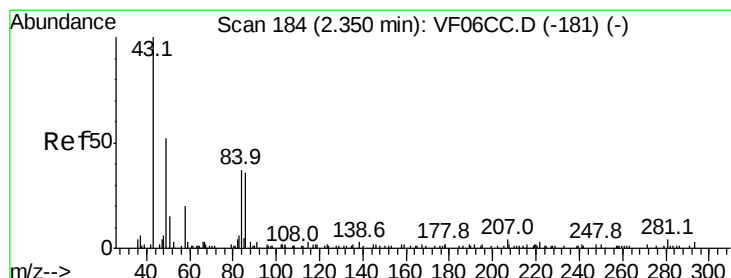
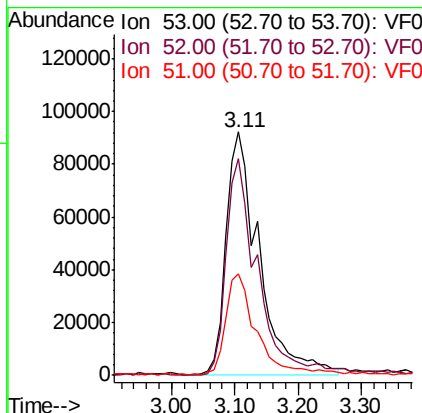
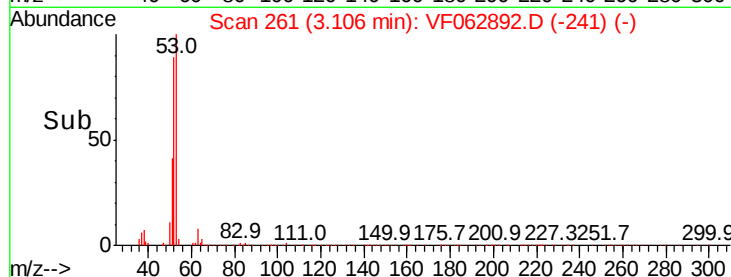
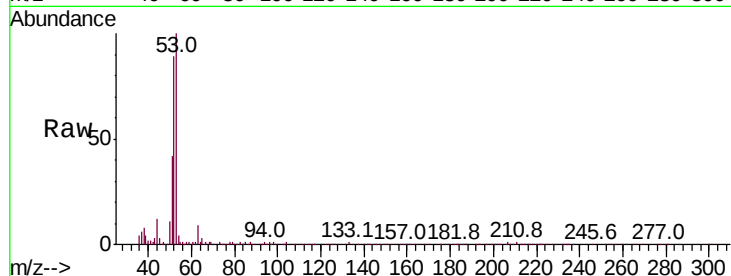
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	330475
Ion Ratio	Lower	Upper	
53	100		
52	89.2	68.1	102.1
51	41.7	27.7	41.5#

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#16

Acetone

Concen: 289.617 ug/l

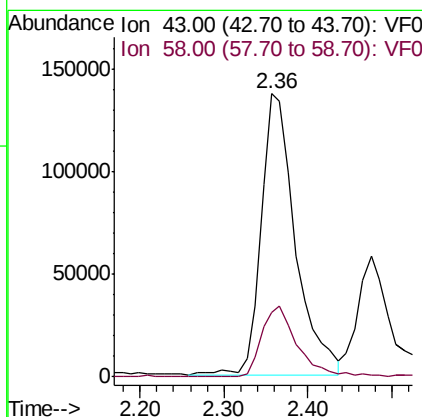
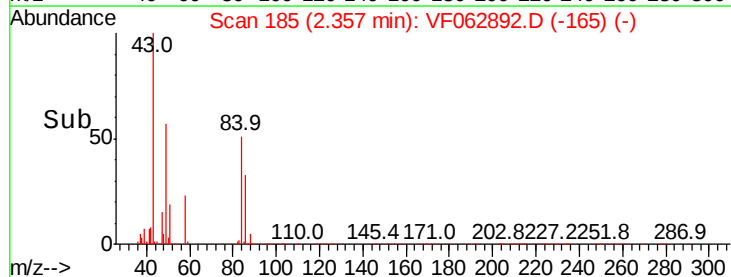
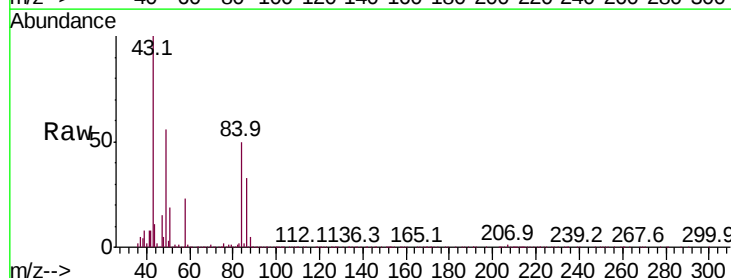
RT: 2.36 min Scan# 185

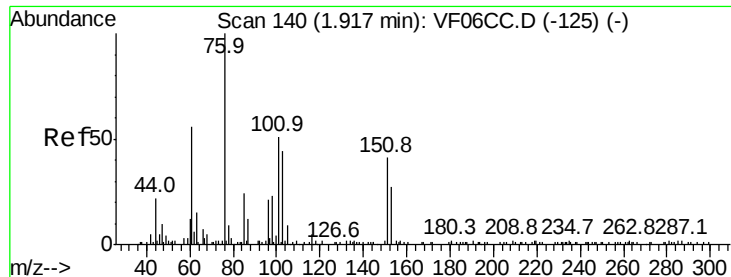
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	43	Resp:	392740
Ion Ratio	Lower	Upper	
43	100		
58	22.7	19.0	28.4





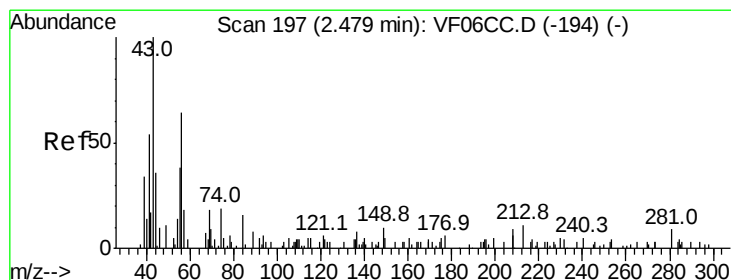
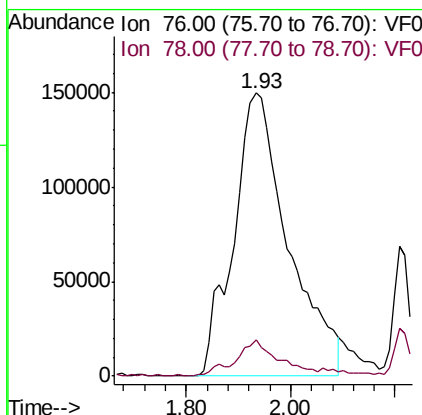
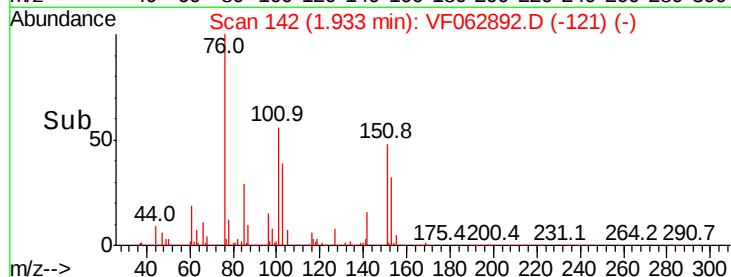
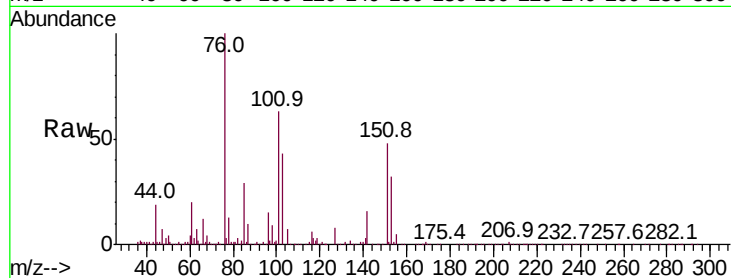
#17
Carbon Disulfide
Concen: 51.764 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1077229
Ion Ratio Lower Upper
76 100
78 12.6 9.4 14.2

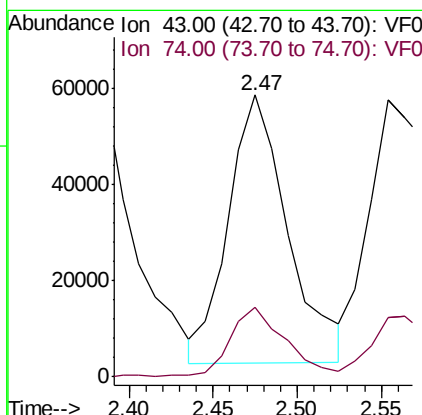
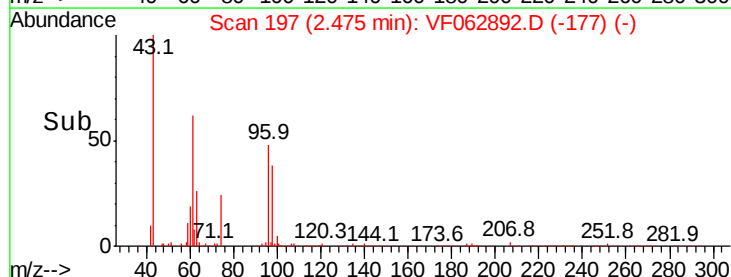
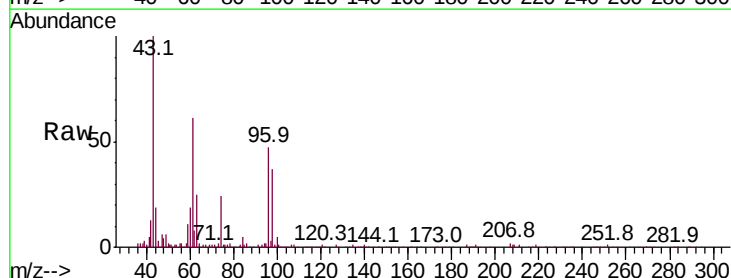
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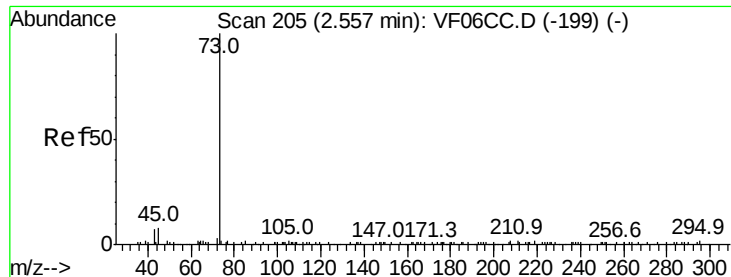
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#18
Methyl Acetate
Concen: 57.806 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 43 Resp: 136985
Ion Ratio Lower Upper
43 100
74 24.5 22.1 33.1





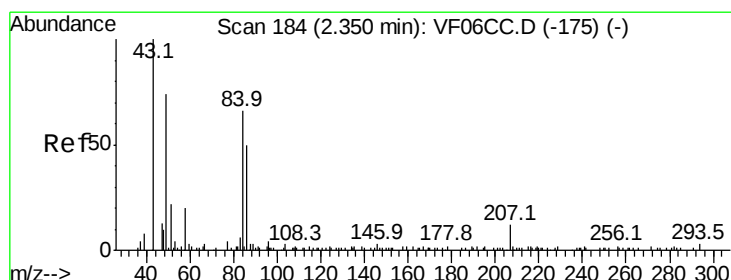
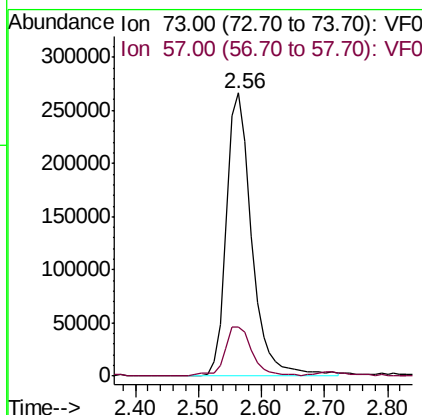
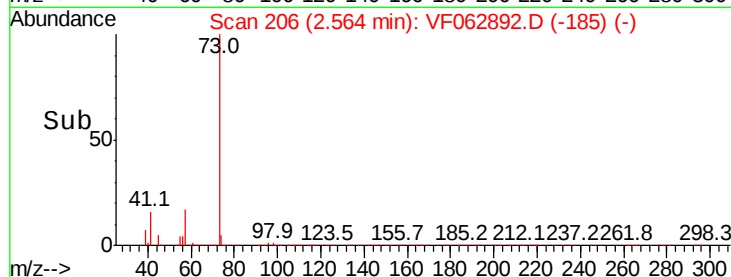
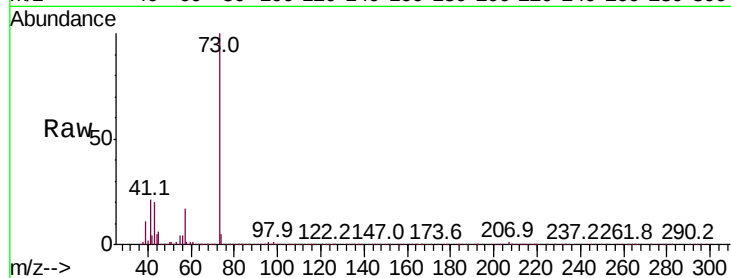
#19
Methvl tert-butvl Ether
Concen: 56.985 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	15.1	22.7

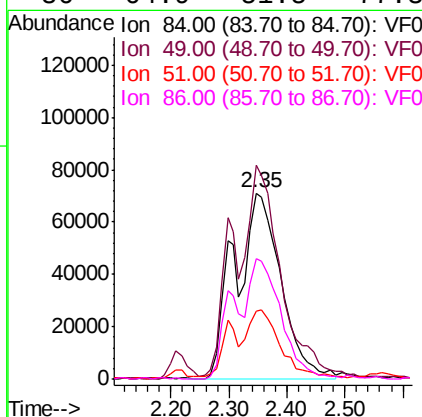
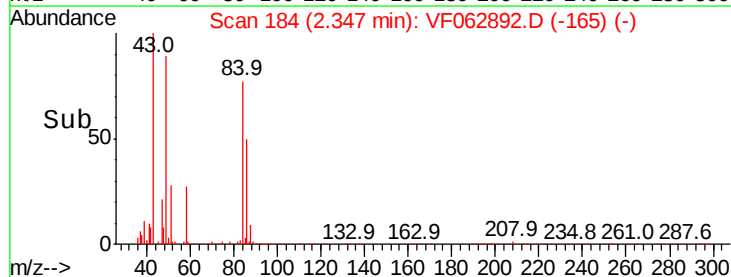
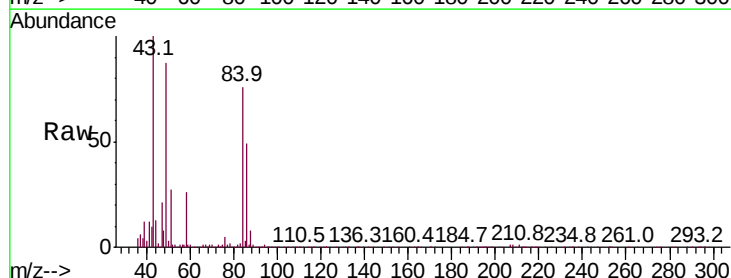
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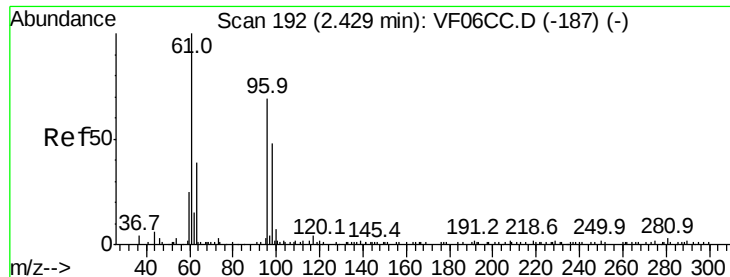
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#20
Methylene Chloride
Concen: 58.185 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	82.6	123.8
51	36.2	25.0	37.4
86	64.9	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 52.097 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

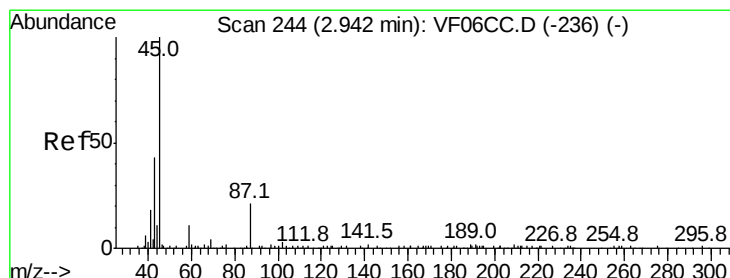
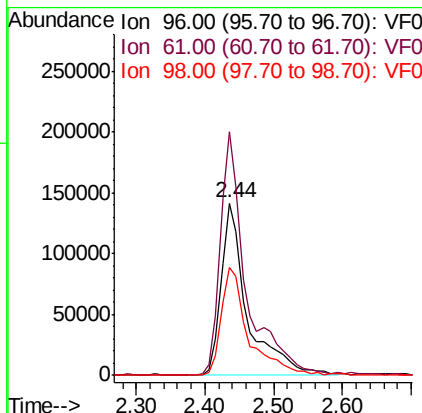
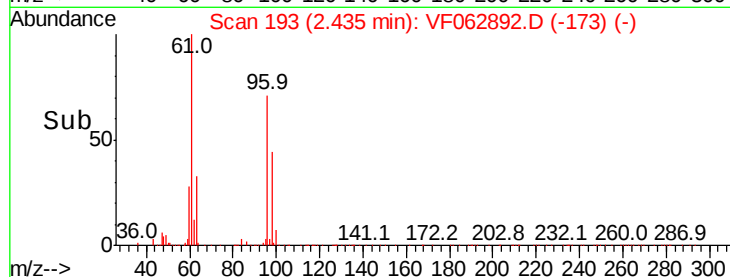
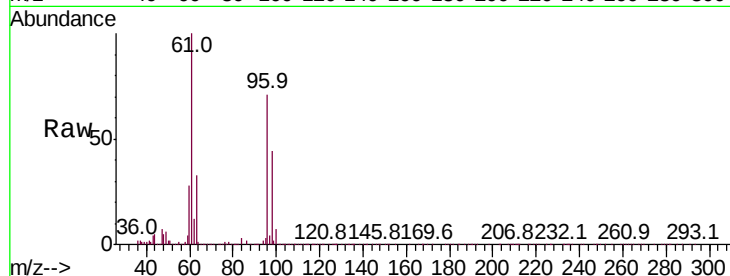
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	371917
Ion	Ratio	Lower	Upper
96	100		
61	141.5	105.0	157.6
98	62.8	51.1	76.7

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#22

Diisopropyl ether

Concen: 58.930 ug/l

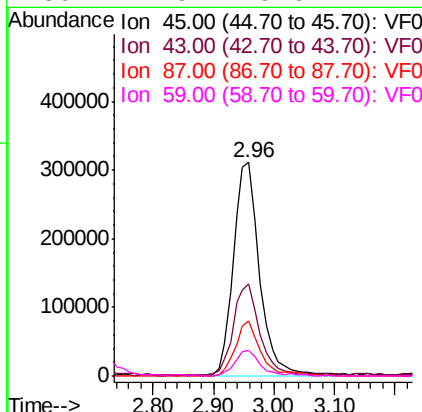
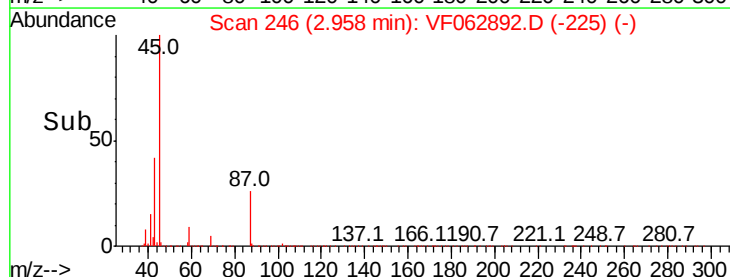
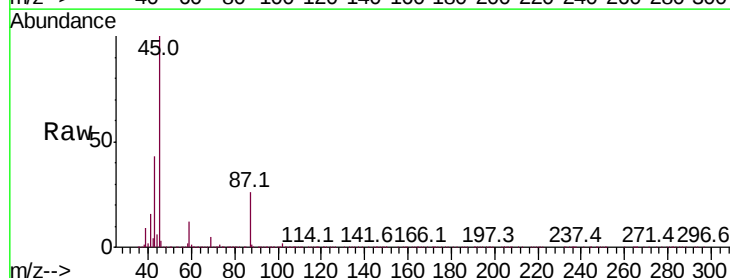
RT: 2.96 min Scan# 246

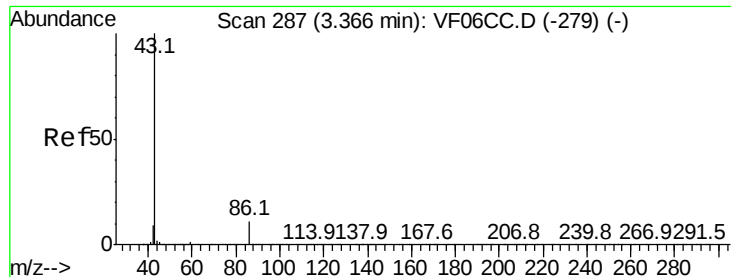
Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	45	Resp:	924811
Ion	Ratio	Lower	Upper
45	100		
43	42.9	34.3	51.5
87	25.8	19.0	28.4
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 282.074 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tot Ion: 43 Resp: 3030559

Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2

Instrument :

MSVOA_F

ClientSampleId :

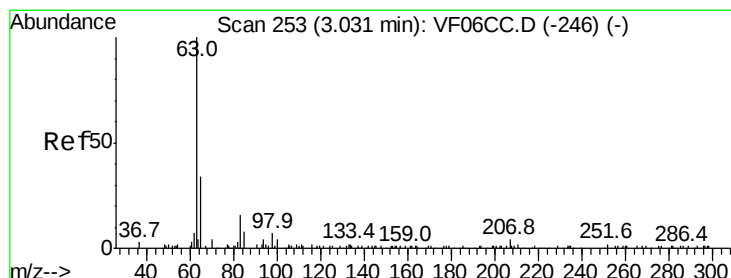
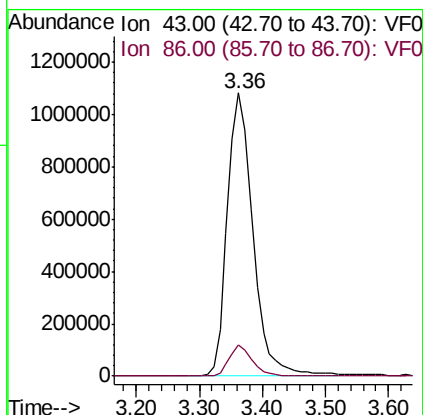
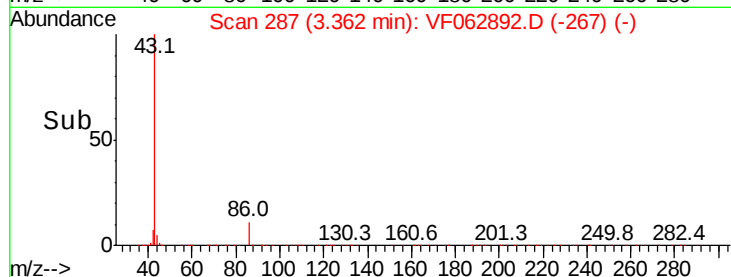
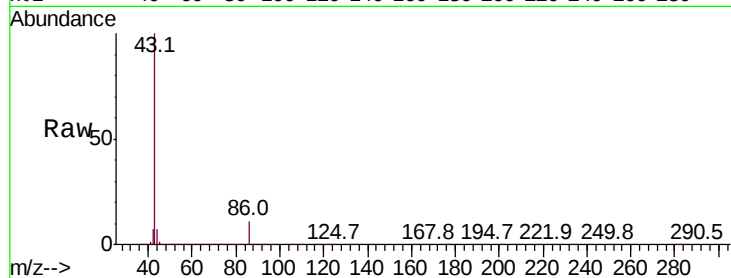
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 56.488 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

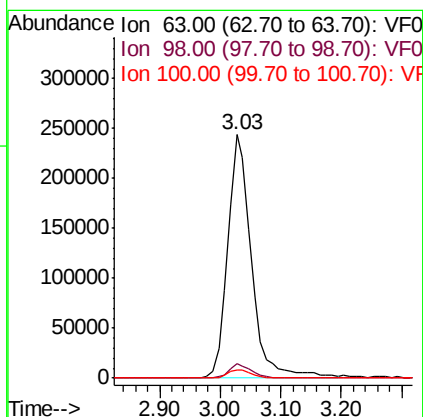
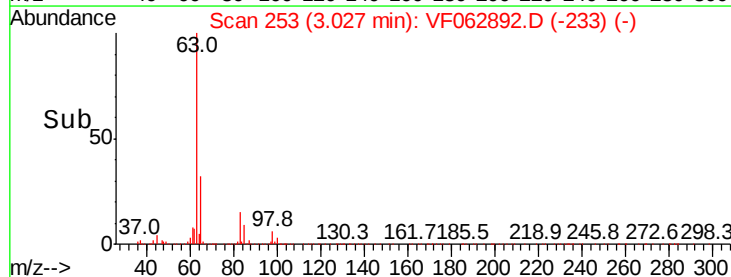
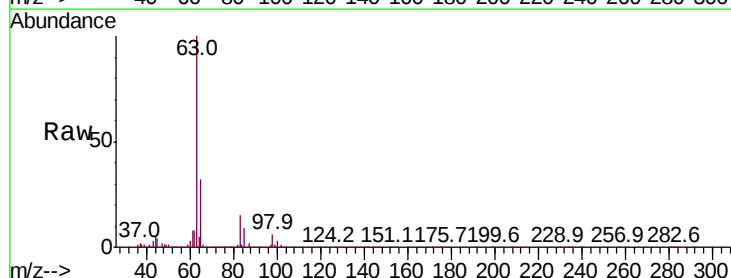
Tgt Ion: 63 Resp: 661888

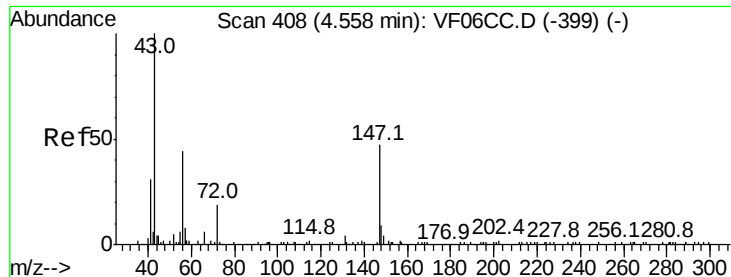
Ion Ratio Lower Upper

63 100

98 6.0 2.4 7.1

100 3.2 1.5 4.5





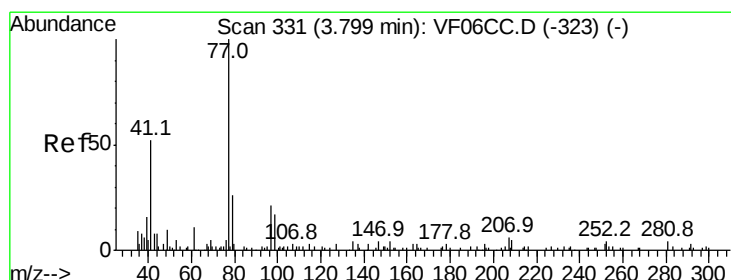
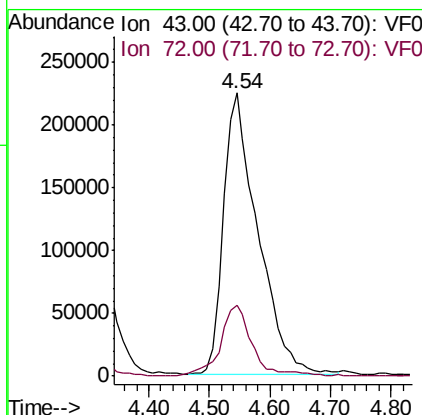
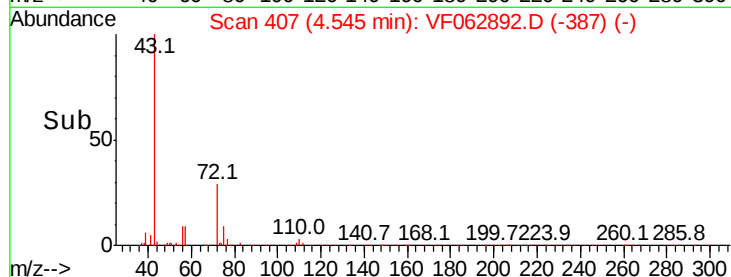
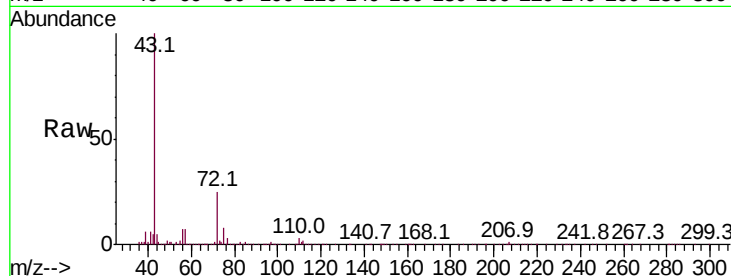
#25
2-Butanone
Concen: 278.029 ug/l
RT: 4.54 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 878009
Ion Ratio Lower Upper
43 100
72 24.9 21.4 32.0

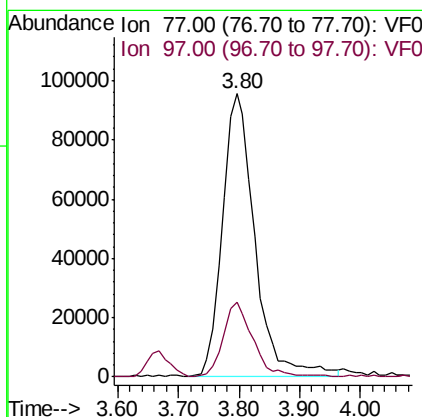
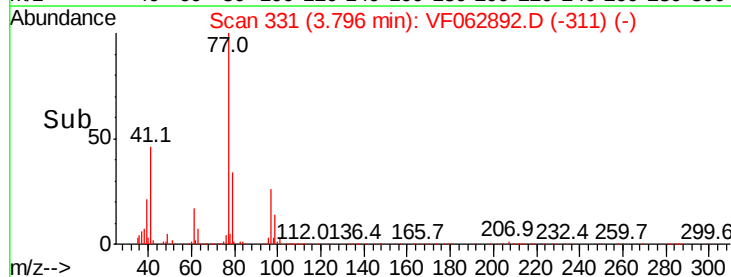
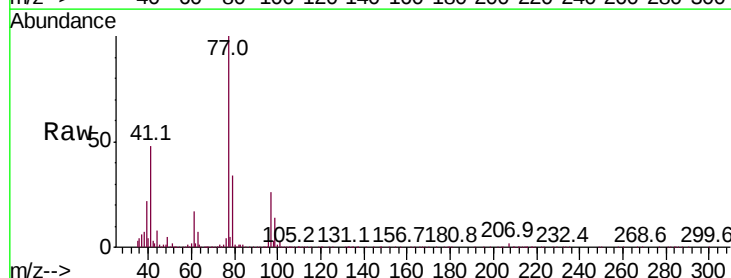
Manual Integrations
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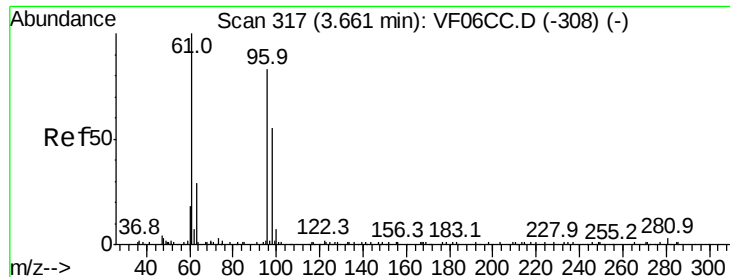
MMDadoda
6/7/2019 4:04:18 PM



#26
2,2-Dichloropropane
Concen: 53.006 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 77 Resp: 352656
Ion Ratio Lower Upper
77 100
97 26.3 12.4 37.4





#27

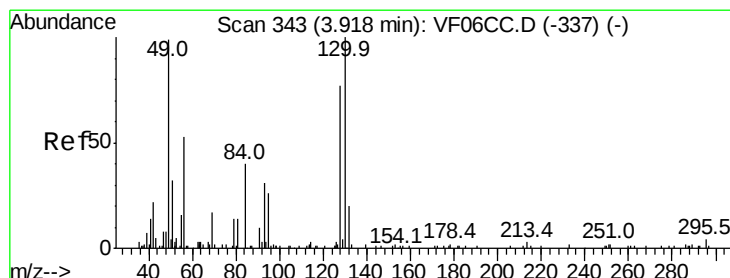
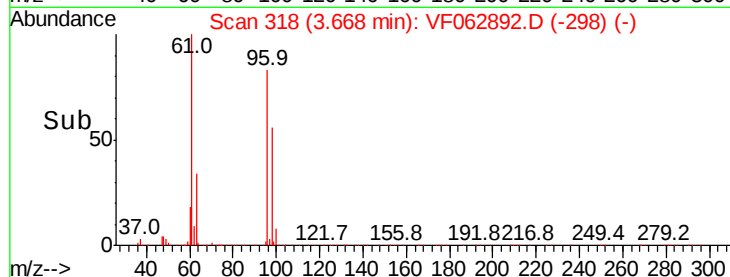
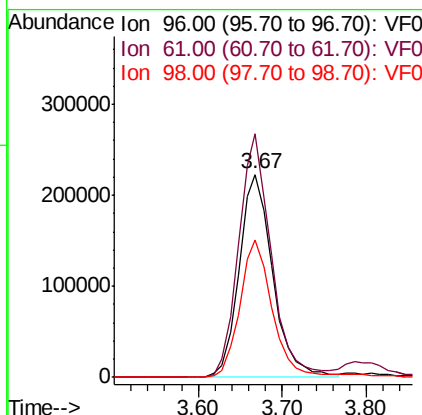
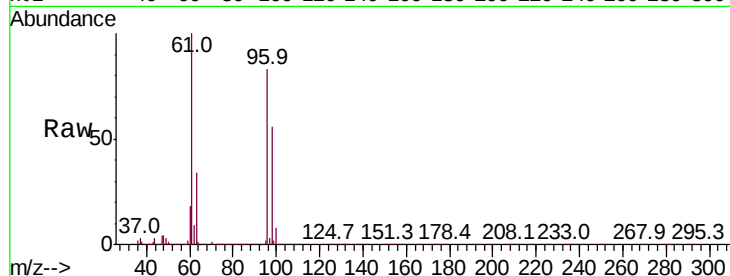
cis-1,2-Dichloroethene
Concen: 51.641 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	619705		
61	119.9		0.0	213.8
98	67.4		0.0	127.0

Manual Integrations
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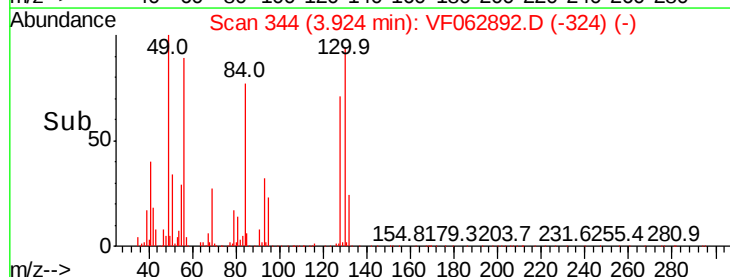
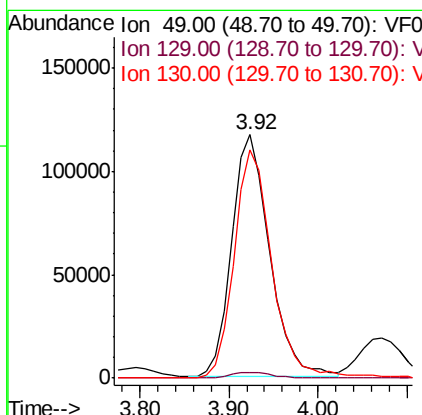
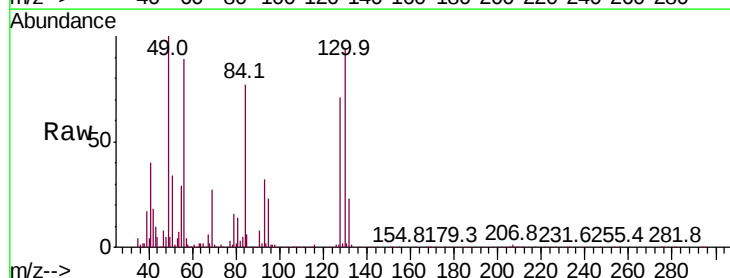
MMDadoda
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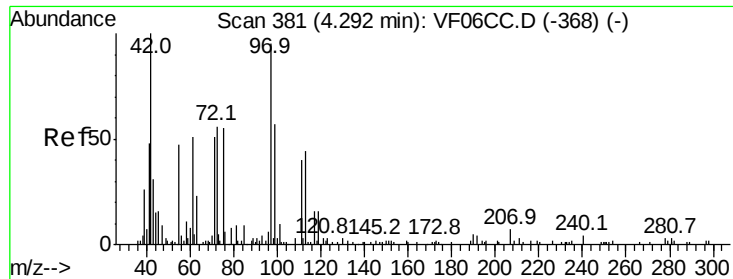


#28

Bromochloromethane
Concen: 54.886 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	349825		
129	2.3		0.0	5.4
130	93.9		79.2	118.8





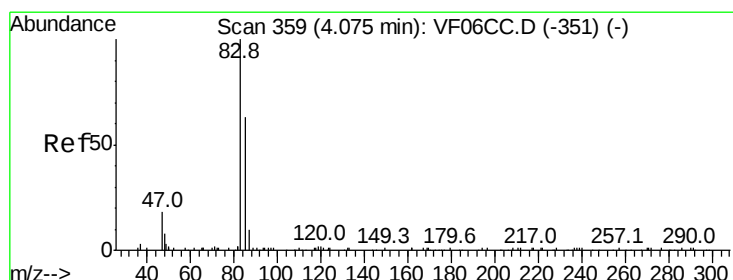
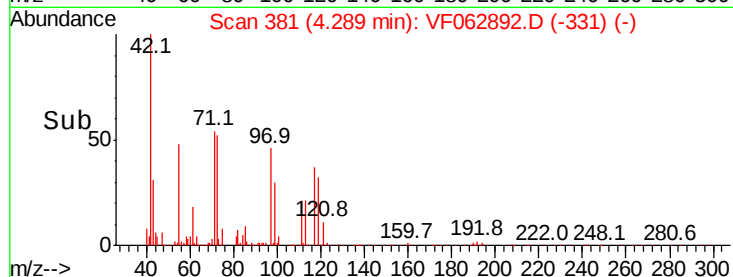
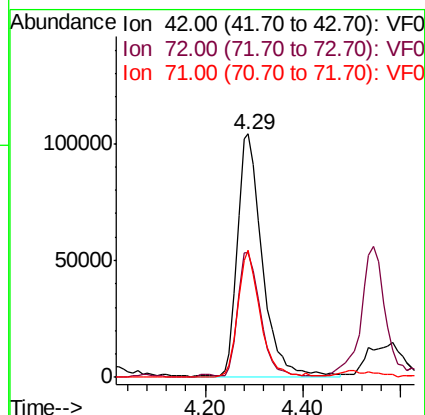
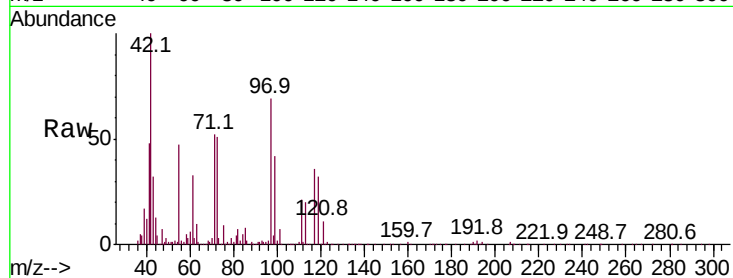
#29
Tetrahydrofuran
Concen: 304.478 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	39.0	58.6
71	47.3	36.9	55.3

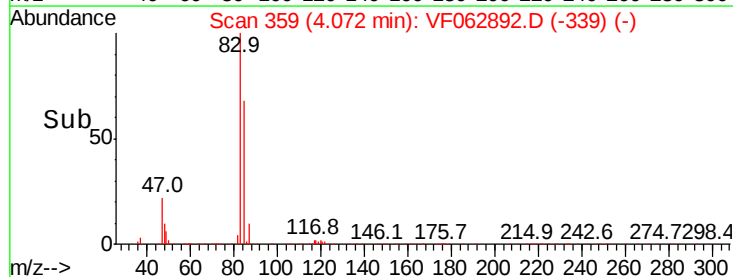
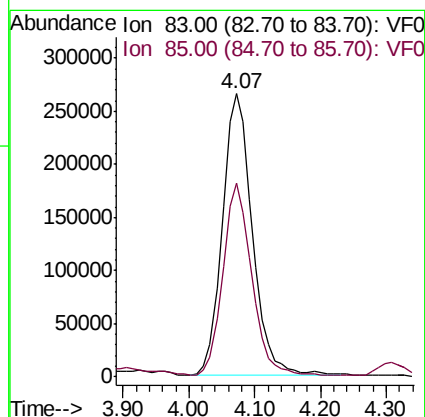
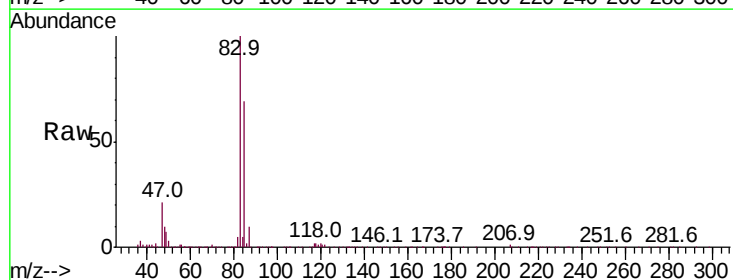
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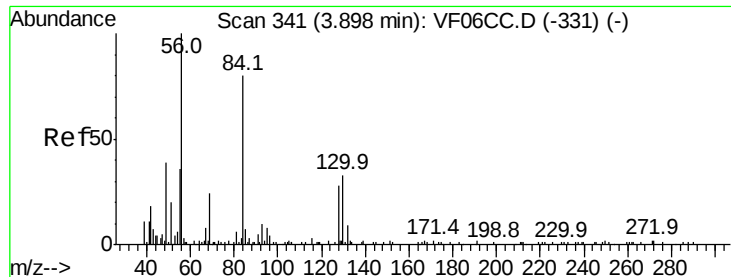
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#30
Chloroform
Concen: 50.627 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	55.0	82.6





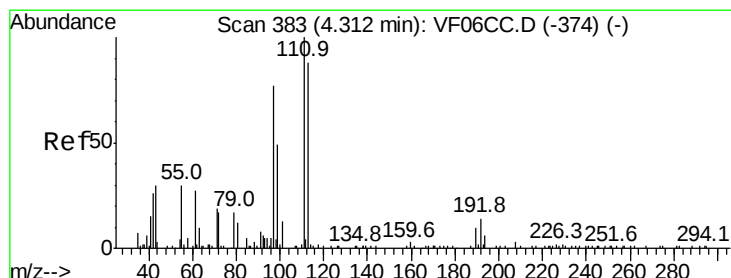
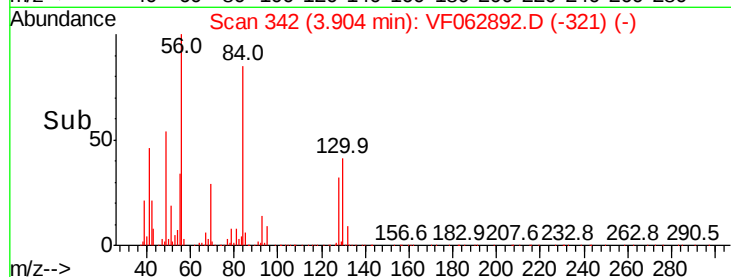
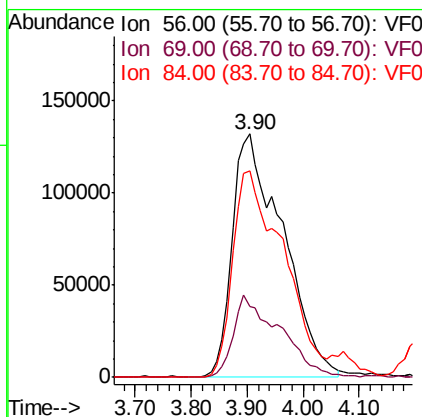
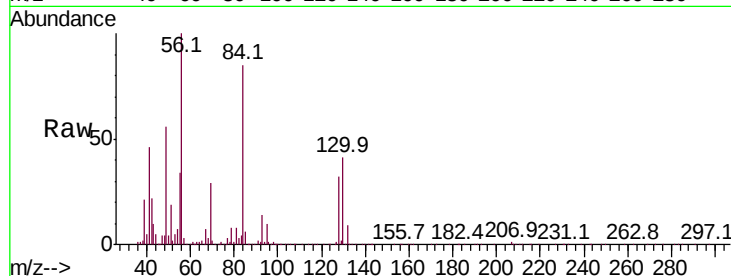
#31
Cvclohexane
Concen: 51.706 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.7	40.1
84	84.7	74.3	111.5

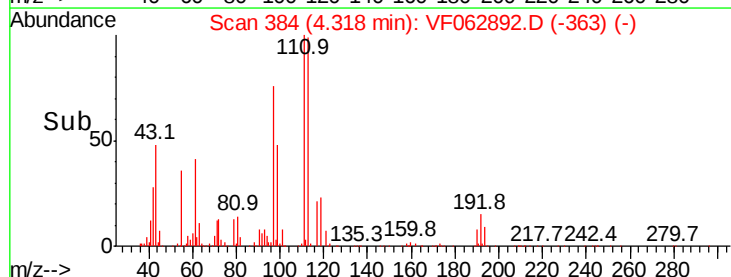
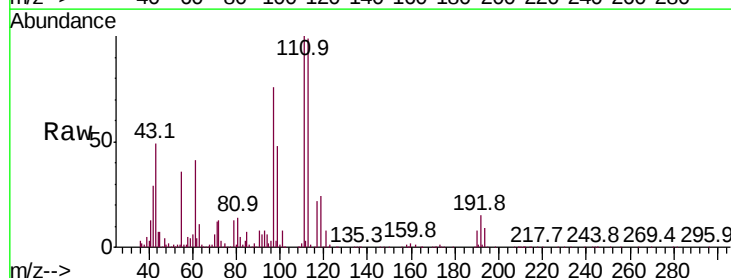
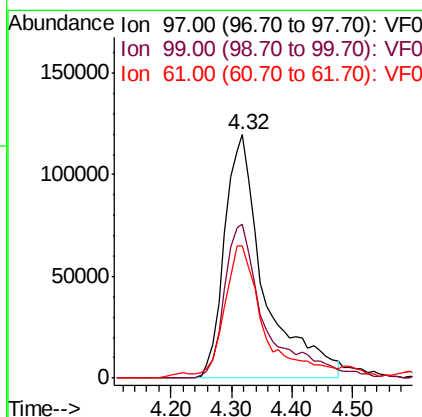
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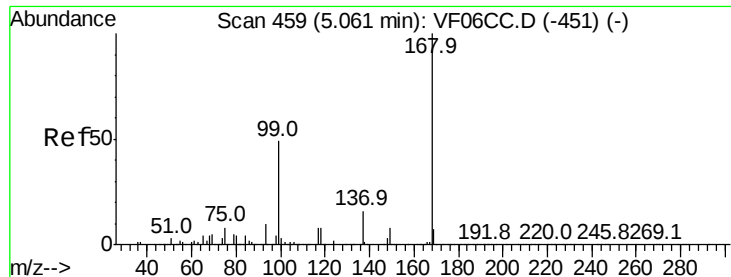
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#32
1,1,1-Trichloroethane
Concen: 56.785 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.7	77.5
61	54.1	38.9	58.3





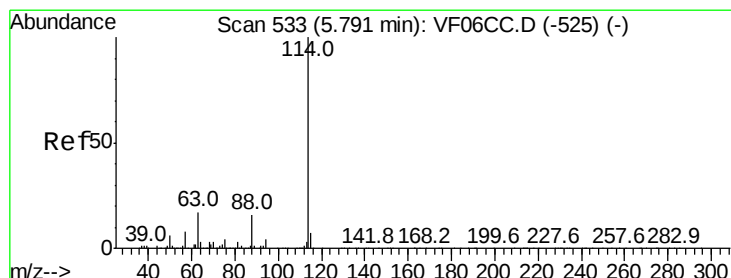
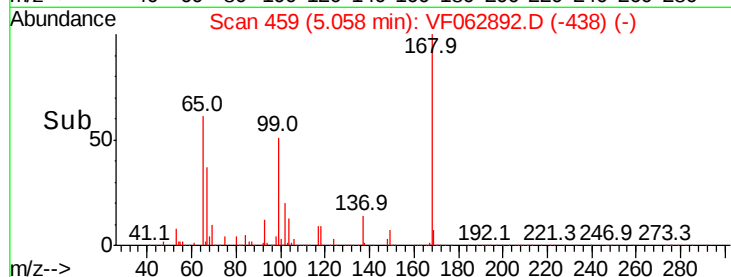
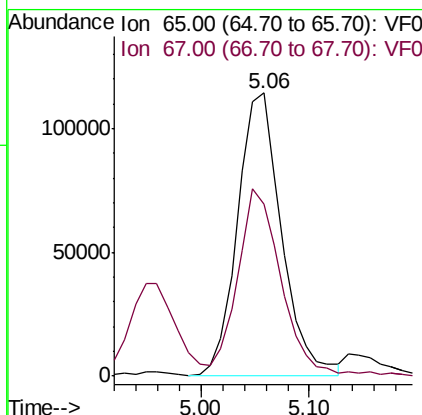
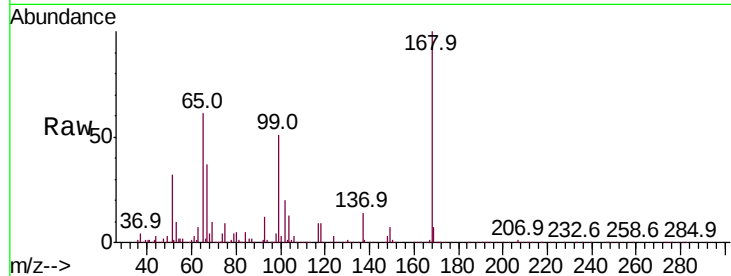
#33
 1,2-Dichloroethane-d4
 Concen: 54.389 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322250		
67	60.6	0.0	121.2	

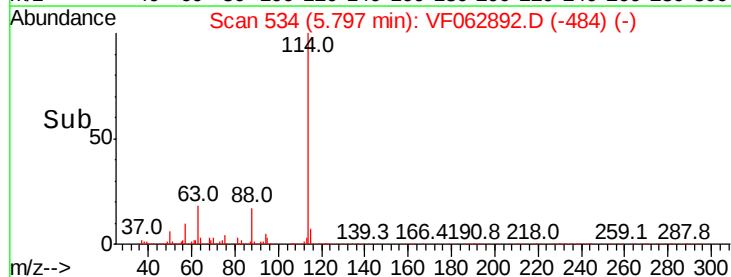
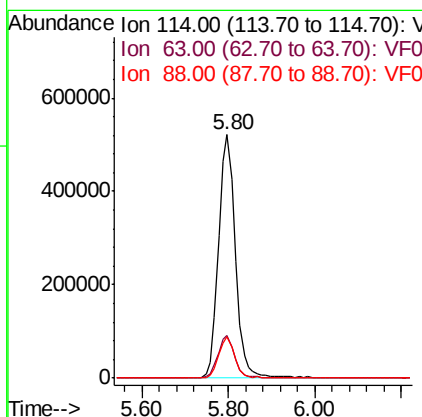
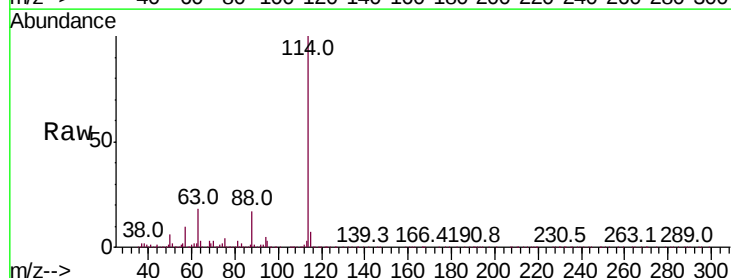
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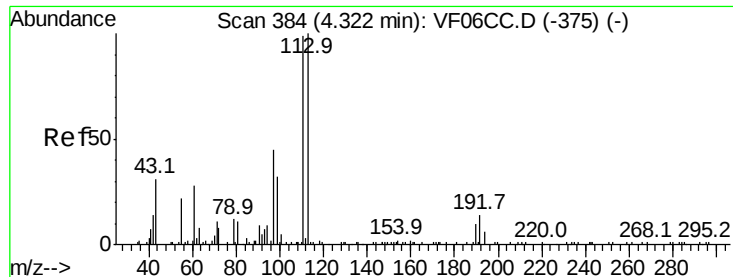
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1417991		
63	17.6	0.0	34.2	
88	16.7	0.0	31.2	





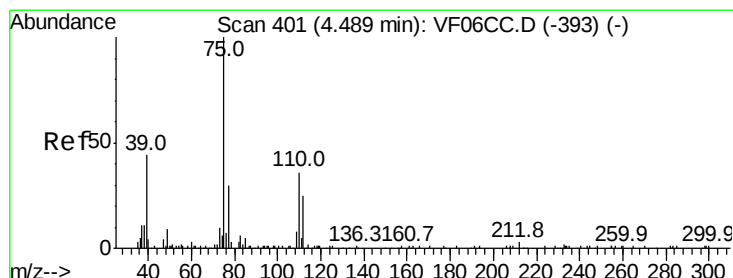
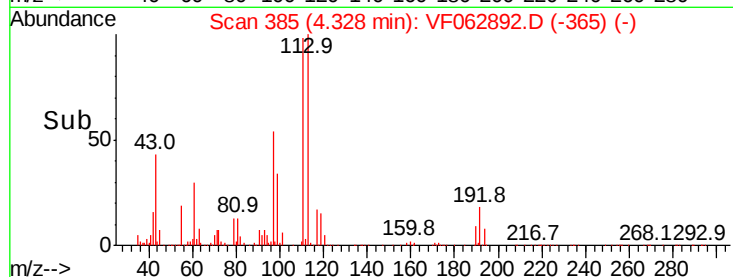
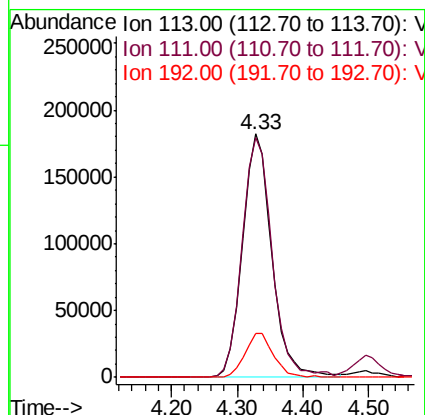
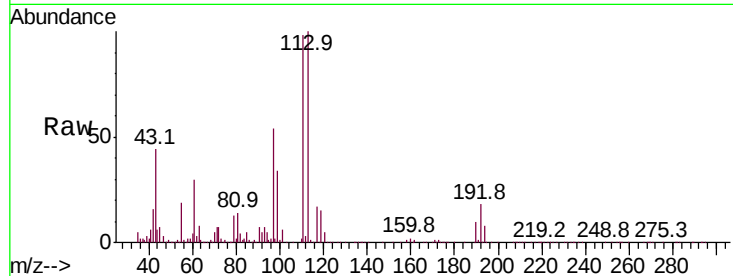
#35
 Dibromofluoromethane
 Concen: 53.138 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	113	Resp:	569377
Ion Ratio	Lower	Upper	
113	100		
111	98.5	81.9	122.9
192	17.9	15.1	22.7

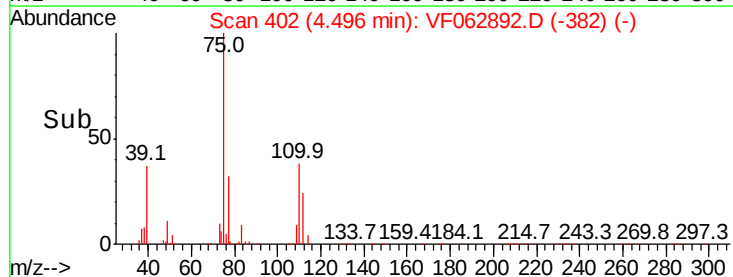
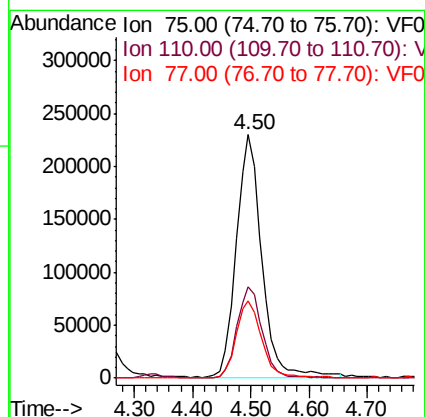
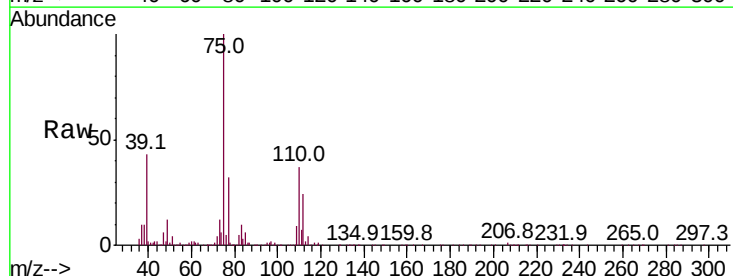
Manual Integrations
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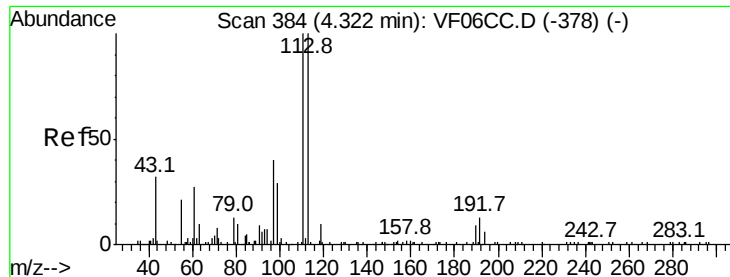
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#36
 1,1-Dichloropropene
 Concen: 52.890 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion:	75	Resp:	690420
Ion Ratio	Lower	Upper	
75	100		
110	37.3	19.4	58.1
77	31.9	25.4	38.2





#37

Ethyl Acetate

Concen: 60.021 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

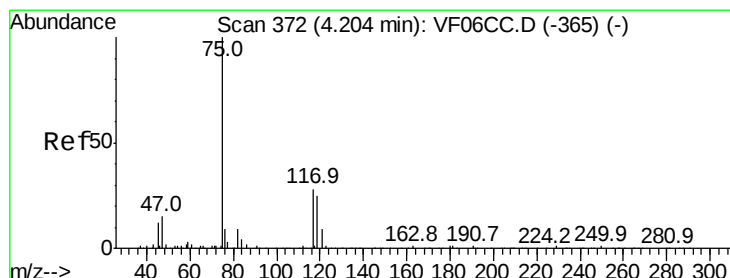
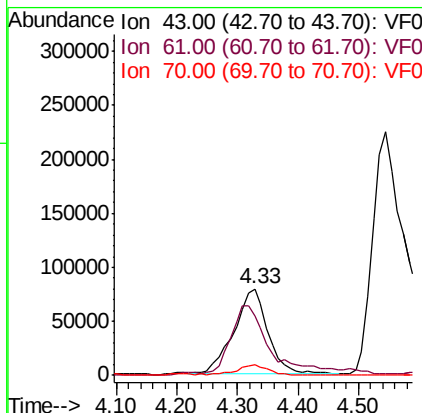
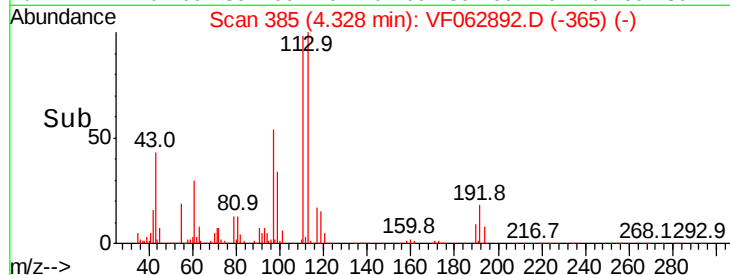
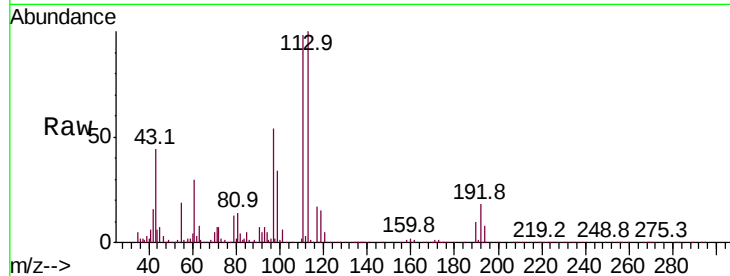
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	299509
Ion	Ratio	Lower	Upper
43	100		
61	68.3	59.1	88.7
70	12.1	10.1	15.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.615 ug/l

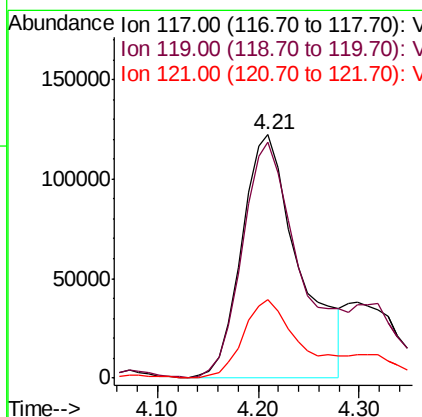
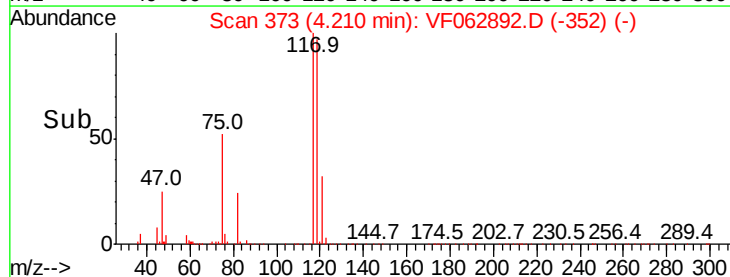
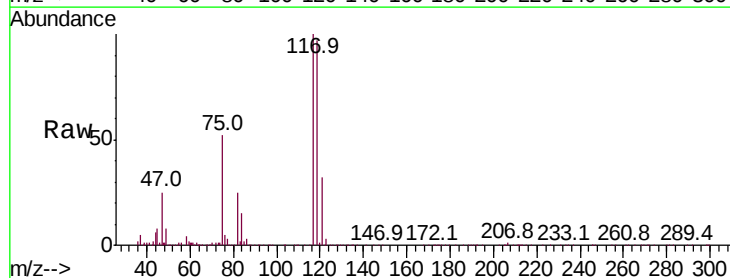
RT: 4.21 min Scan# 373

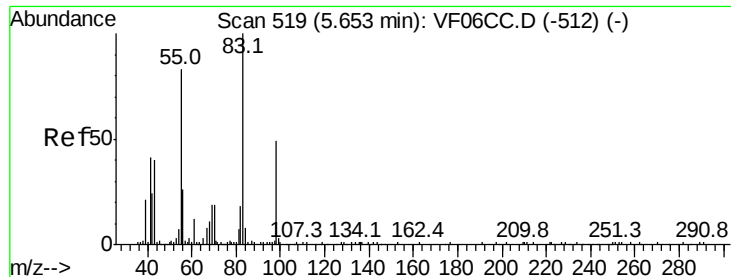
Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion	117	Resp	481828
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.2	117.2
121	32.2	28.2	42.2





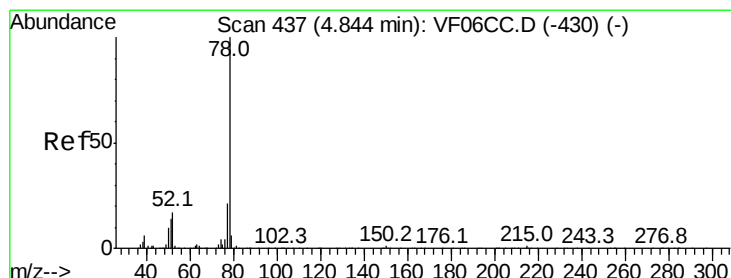
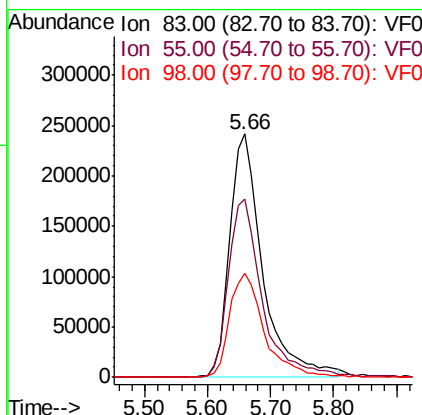
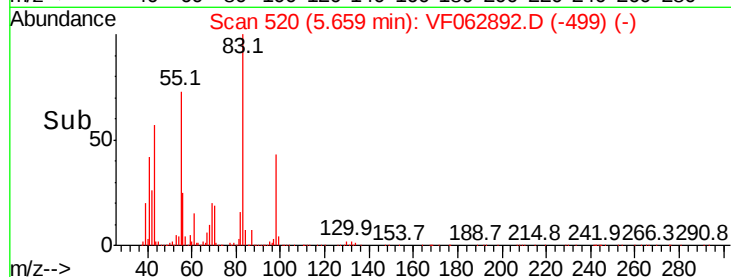
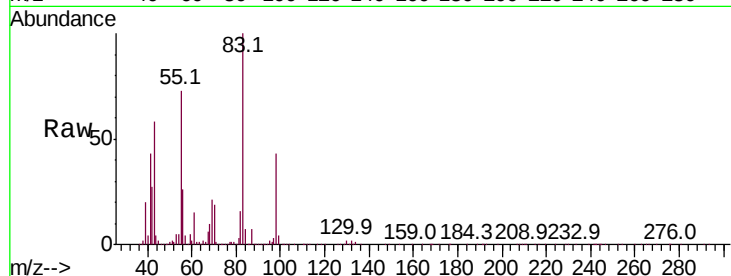
#39
Methvlcvclohexane
Concen: 53.752 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	61.6	92.4
98	42.8	37.4	56.2

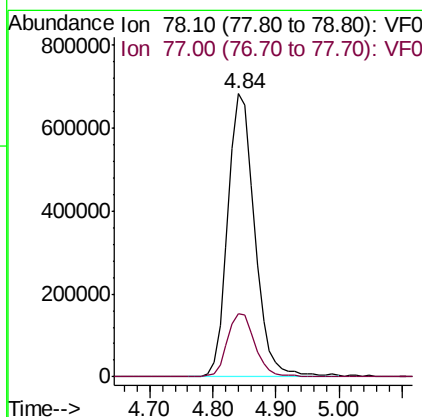
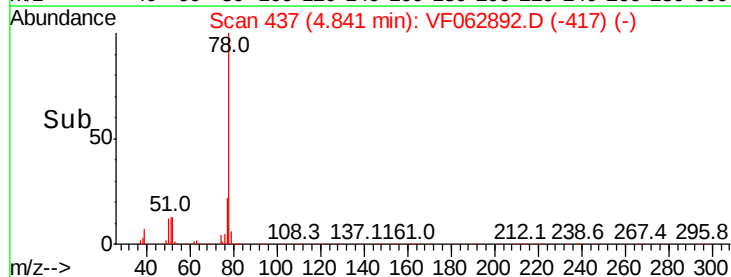
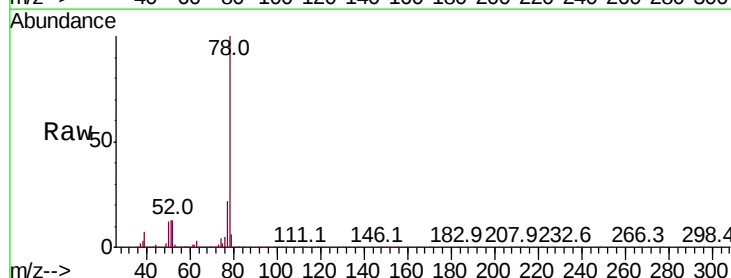
Manual Integrations
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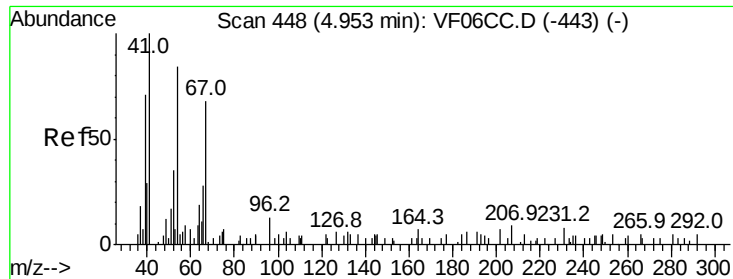
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#40
Benzene
Concen: 53.351 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3





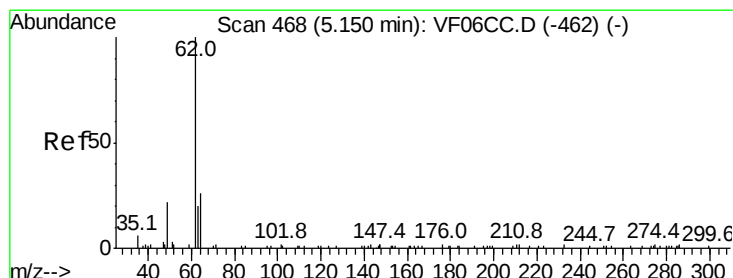
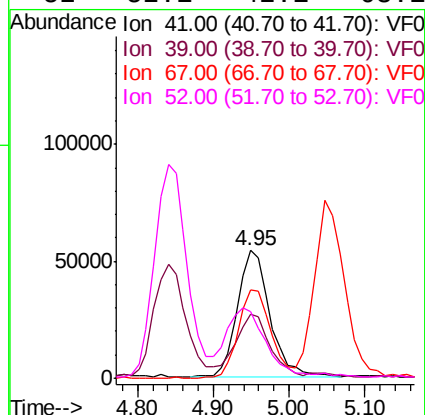
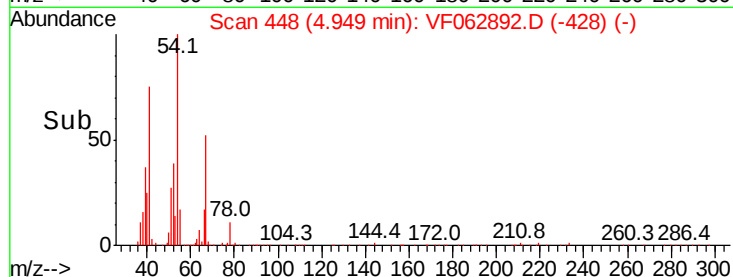
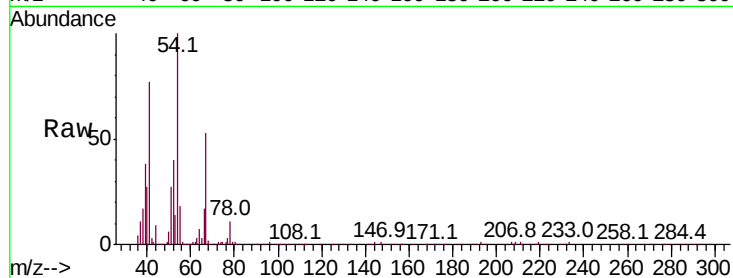
#41
Methacrylonitrile
Concen: 58.218 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.1	42.0	63.0
67	68.6	61.4	92.0
52	52.1	42.1	63.1

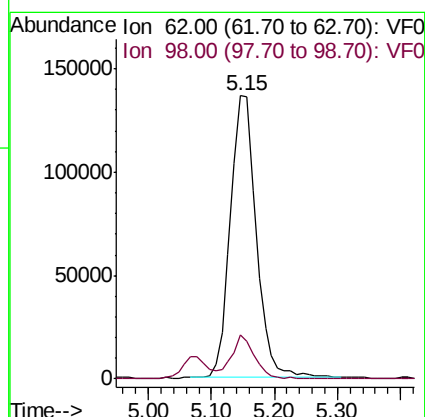
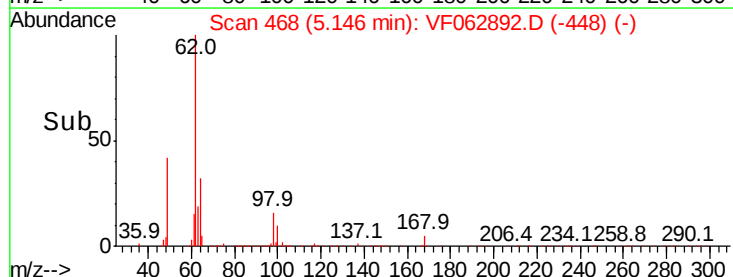
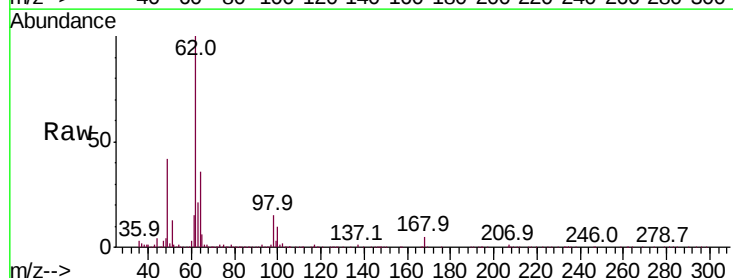
Manual Integrations
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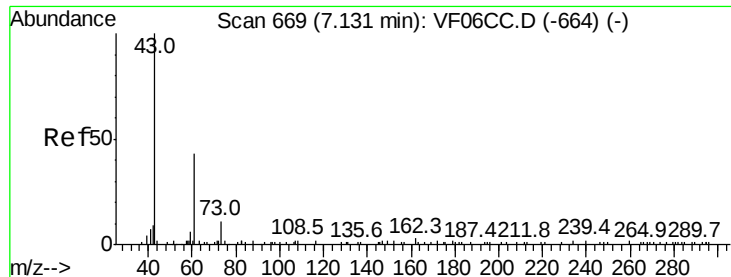
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#42
1,2-Dichloroethane
Concen: 53.645 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	15.5	0.0	24.0





#43

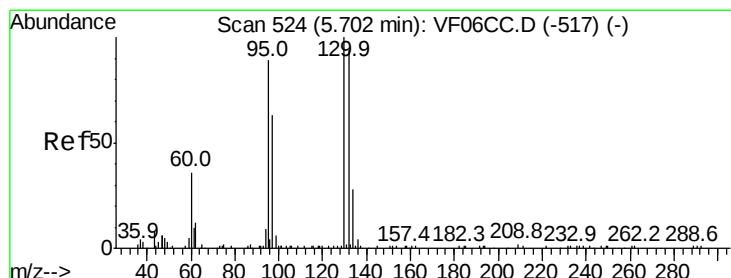
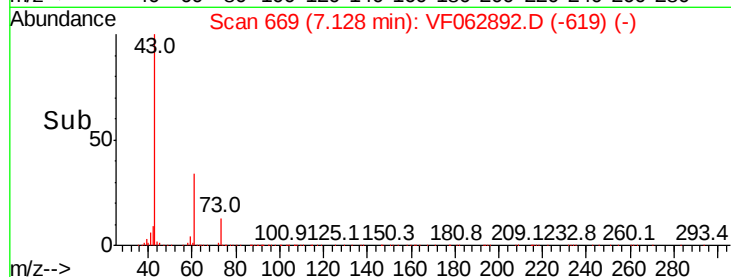
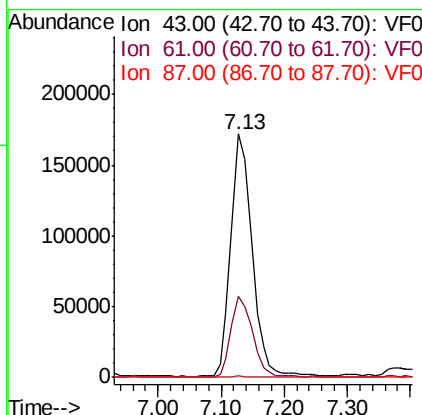
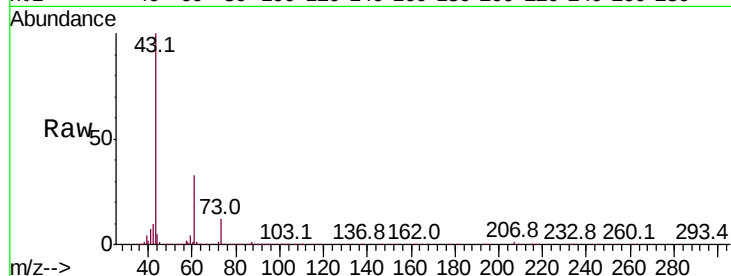
Isopropyl Acetate
 Concen: 61.557 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.2	29.8	44.6
87	0.6	0.3	0.5#

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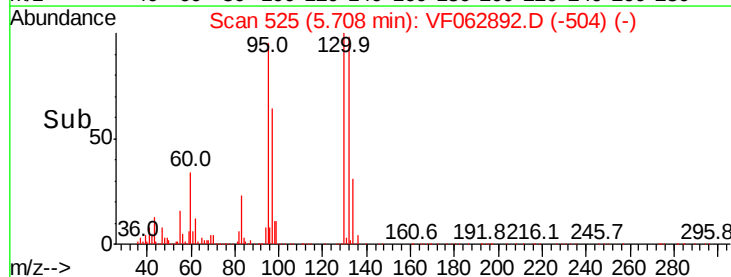
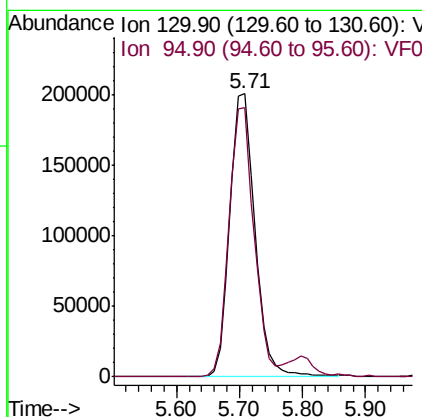
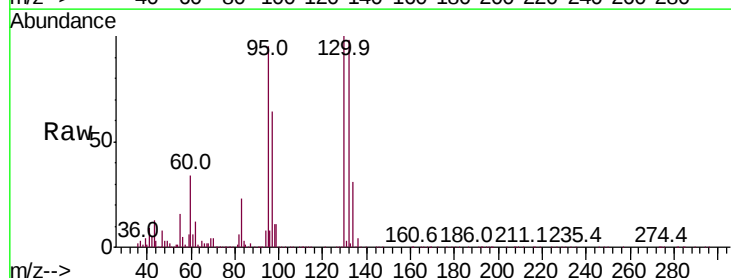
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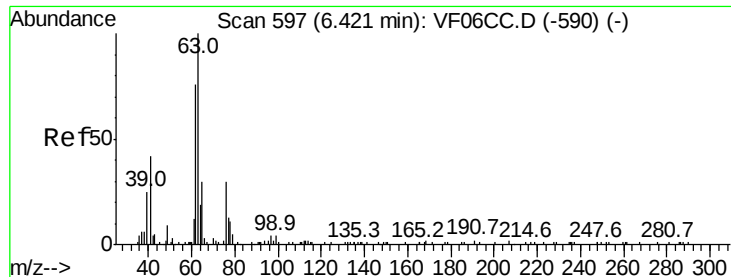


#44

Trichloroethene
 Concen: 51.685 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	188.2





#45

1,2-Dichloropropane

Concen: 55.439 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062892.D

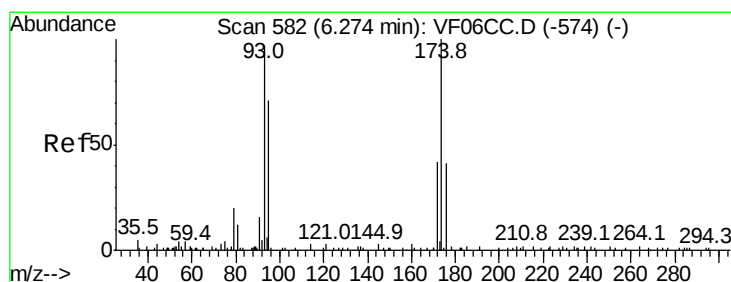
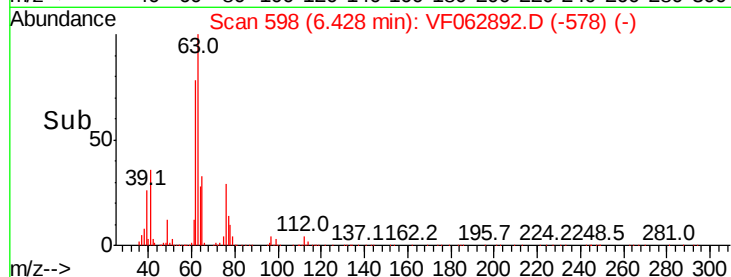
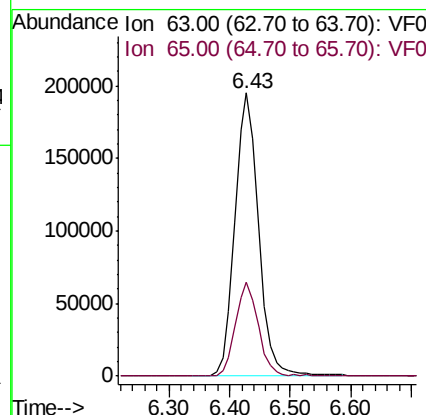
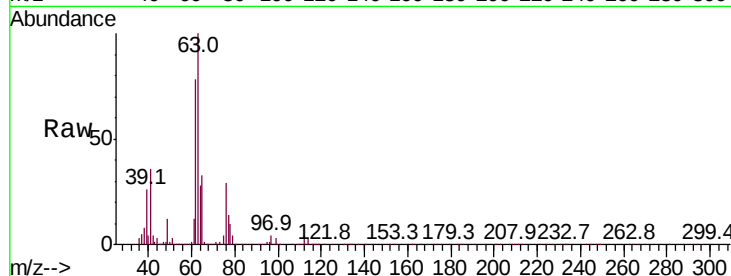
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.2	36.2

Manual Integrations
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#46

Dibromomethane

Concen: 55.639 ug/l

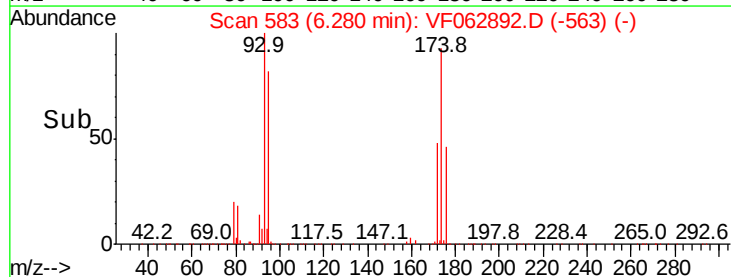
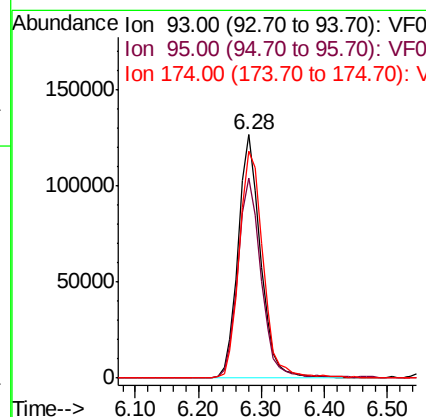
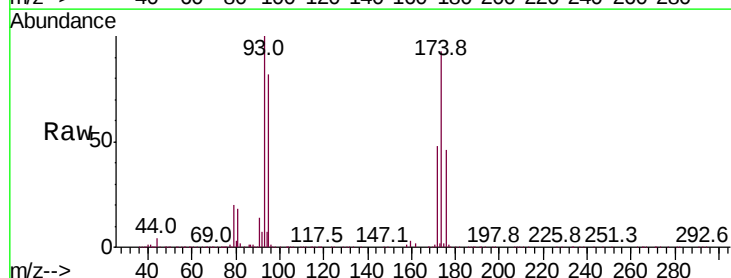
RT: 6.28 min Scan# 583

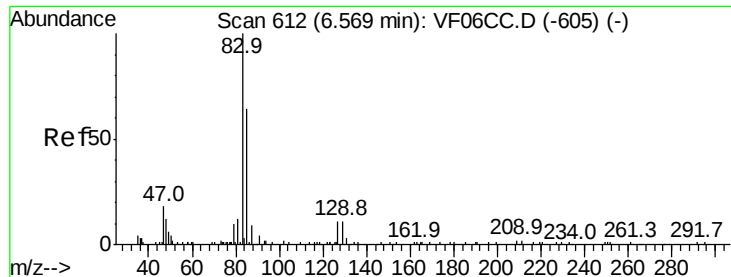
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.9	101.9
174	94.9	85.0	127.4





#47

Bromodichloromethane

Concen: 53.636 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

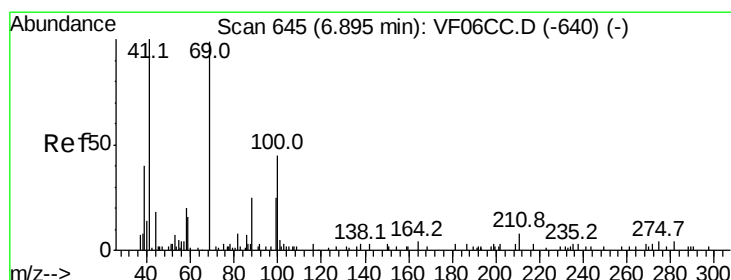
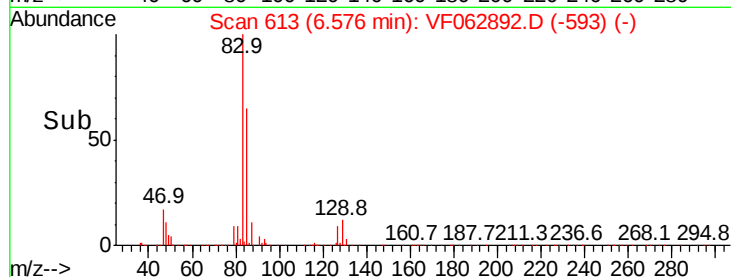
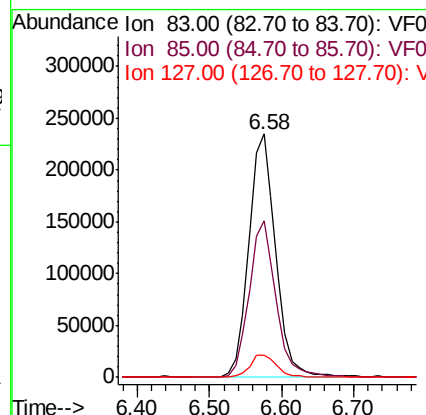
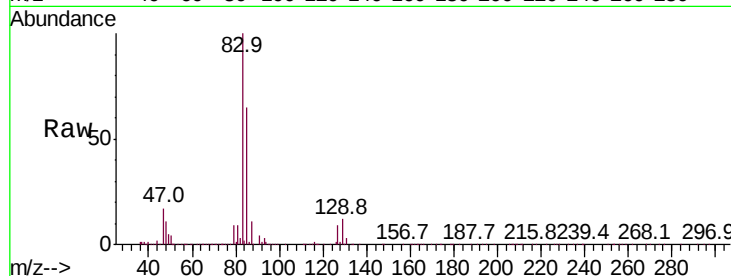
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	608021
Ion Ratio	Lower	Upper	
83	100		
85	64.5	54.2	81.4
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.497 ug/l

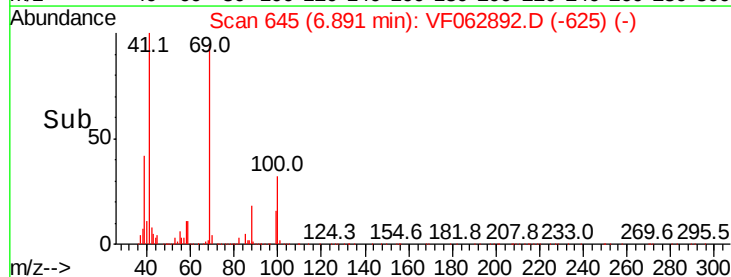
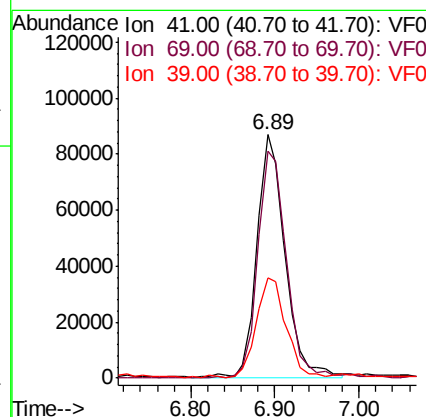
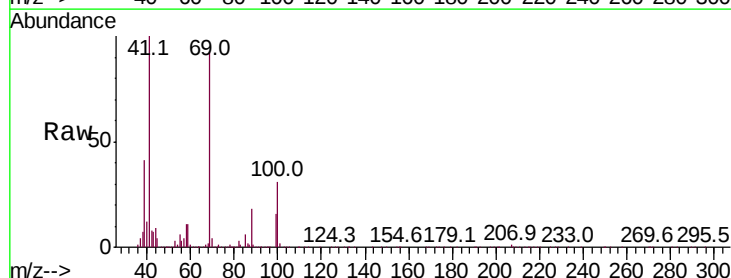
RT: 6.89 min Scan# 645

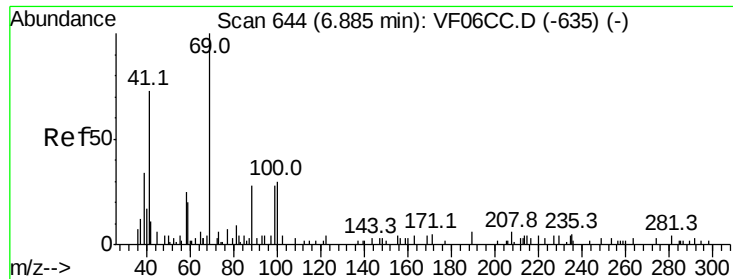
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	41	Resp:	202126
Ion Ratio	Lower	Upper	
41	100		
69	93.3	79.4	119.2
39	41.4	39.8	59.6





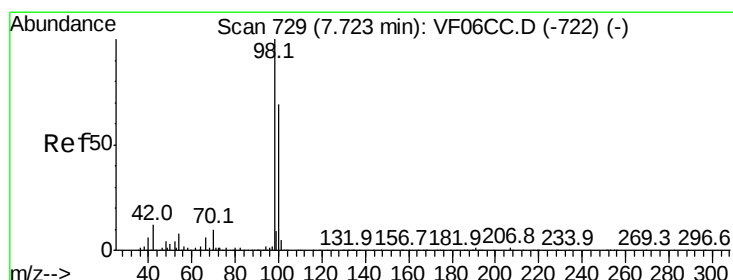
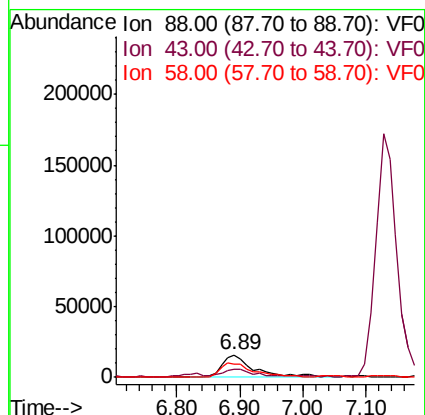
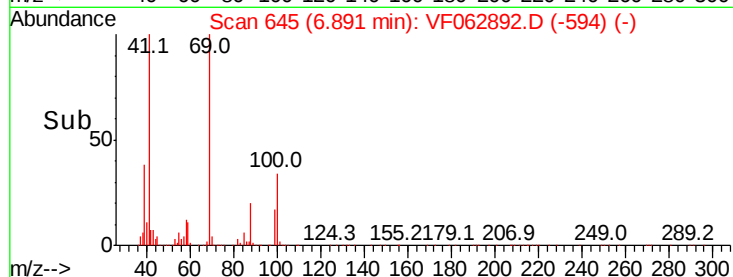
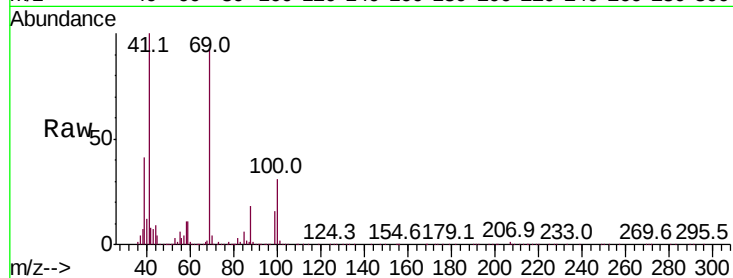
#49
1,4-Dioxane
Concen: 1300.287 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	34.8	52.2
58	60.9	59.9	89.9

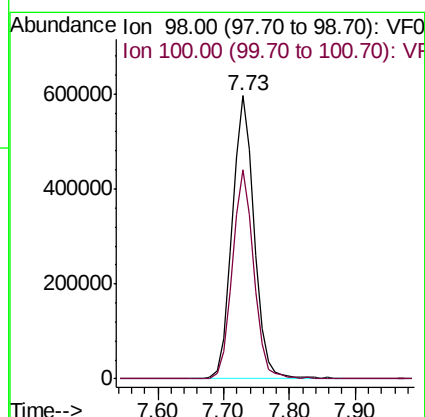
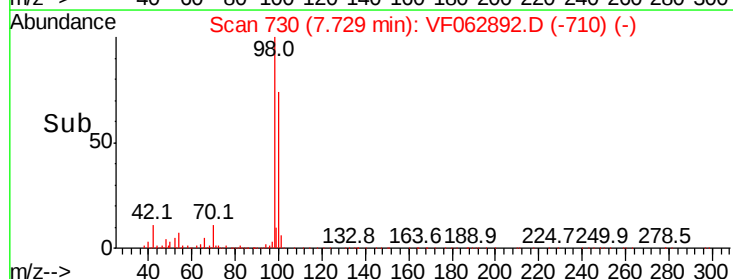
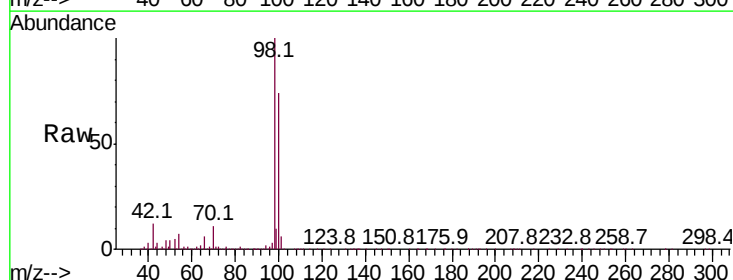
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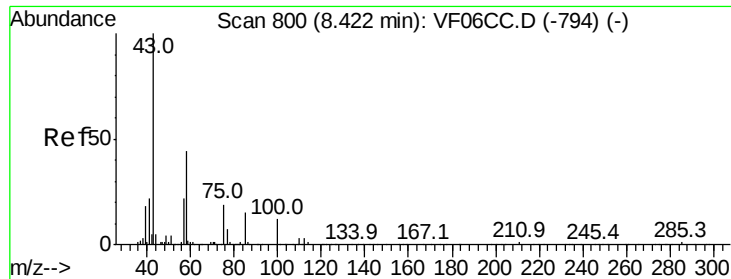
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#50
Toluene-d8
Concen: 51.804 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.8	59.8	89.8





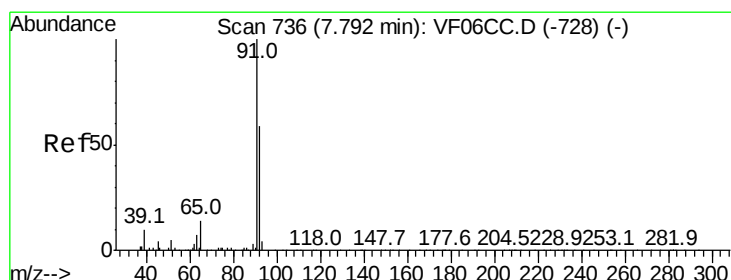
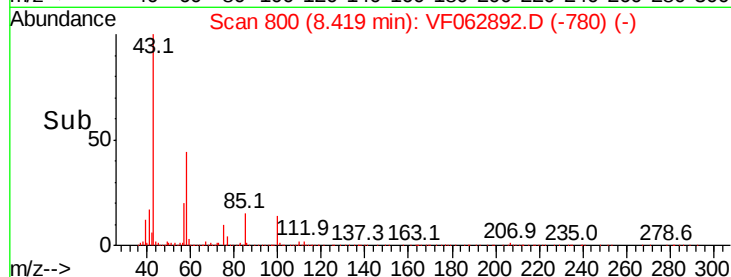
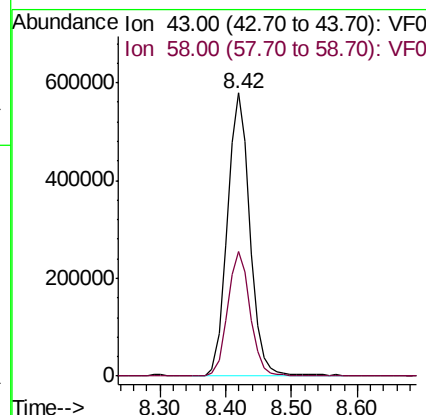
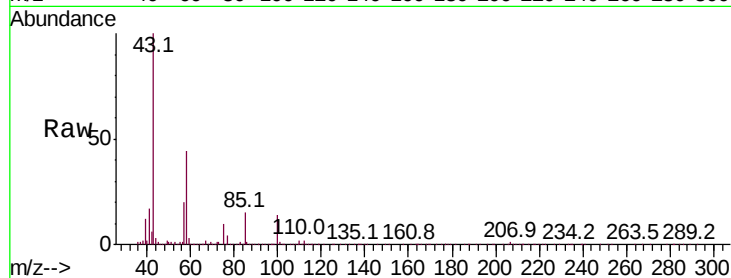
#51
4-Methyl-2-Pentanone
Concen: 295.100 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1388806
Ion Ratio Lower Upper
43 100
58 44.0 35.5 53.3

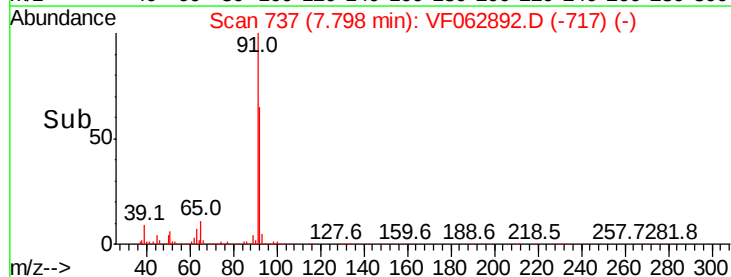
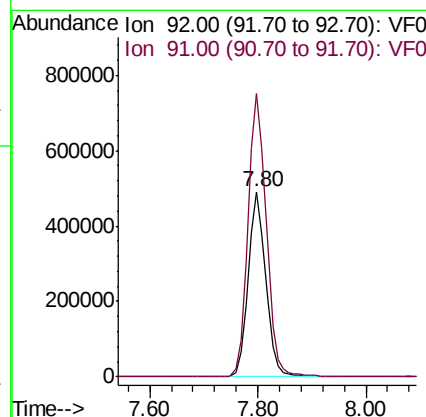
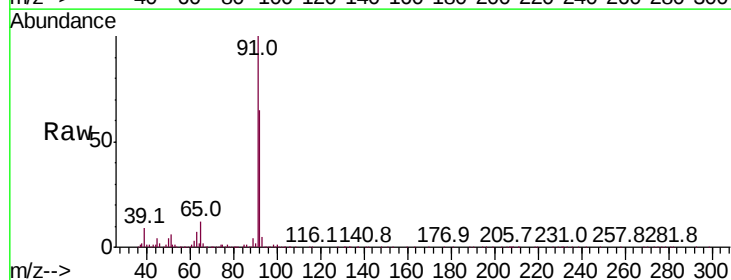
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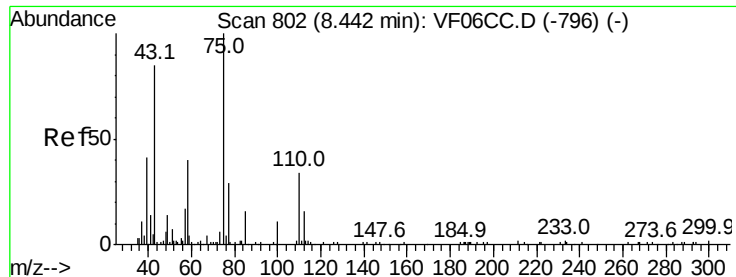
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#52
Toluene
Concen: 54.252 ug/l
RT: 7.80 min Scan# 737
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 92 Resp: 1110147
Ion Ratio Lower Upper
92 100
91 153.0 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 53.249 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 500199

Ion Ratio Lower Upper

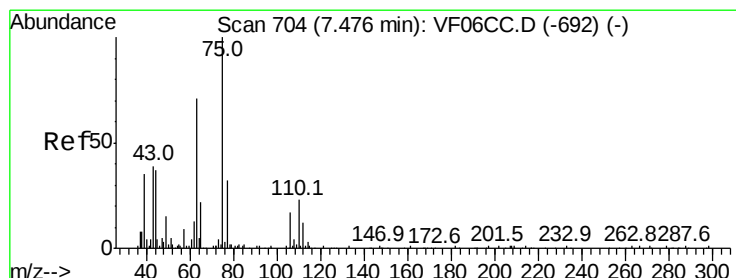
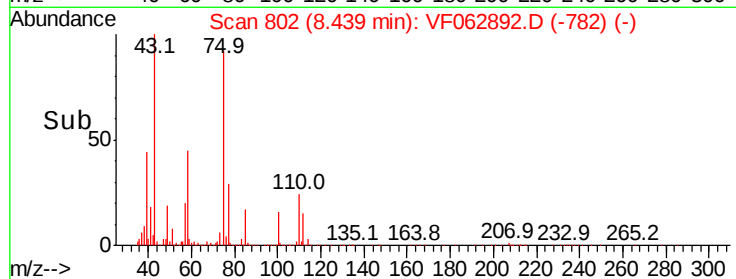
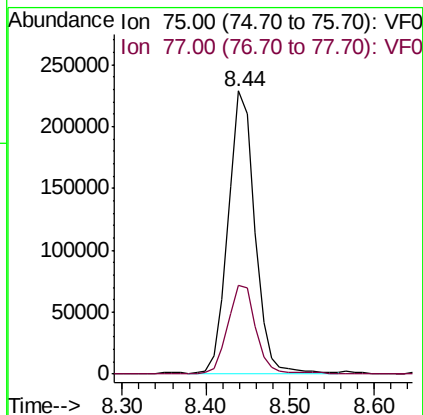
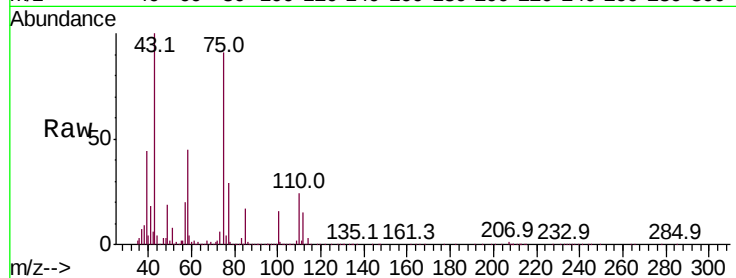
75 100

77 31.3 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 53.246 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

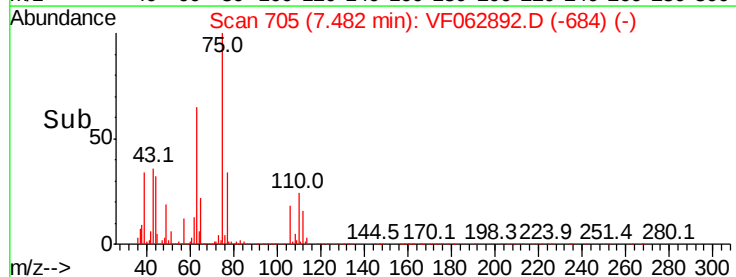
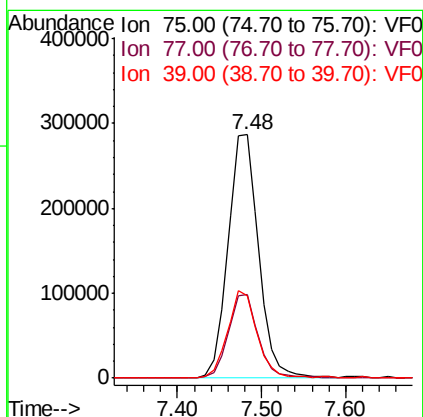
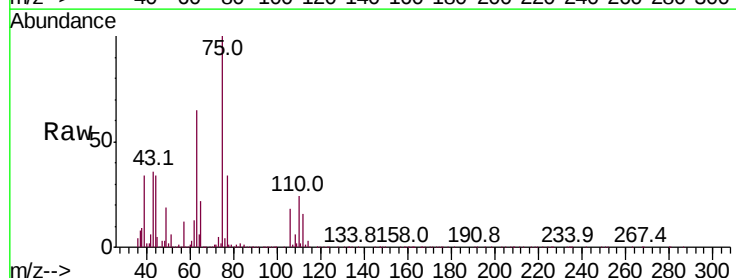
Tgt Ion: 75 Resp: 724005

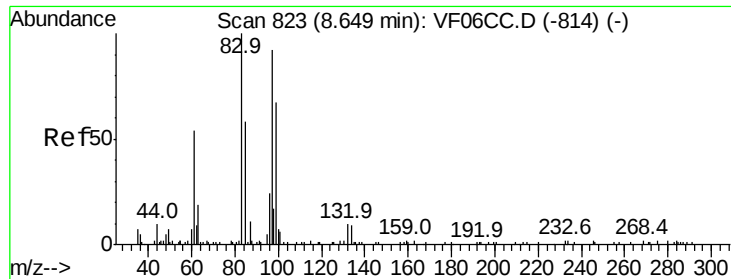
Ion Ratio Lower Upper

75 100

77 34.5 25.8 38.8

39 34.1 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 54.295 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 331915

Ion Ratio Lower Upper

97 100

83 90.6 72.0 108.0

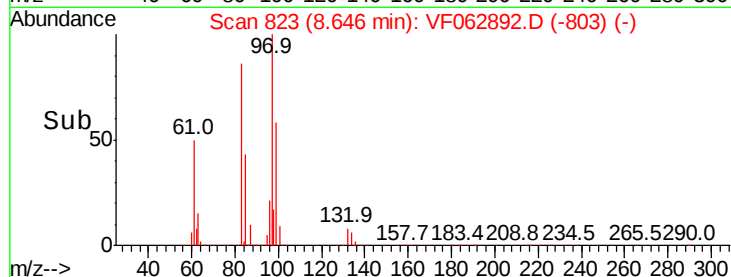
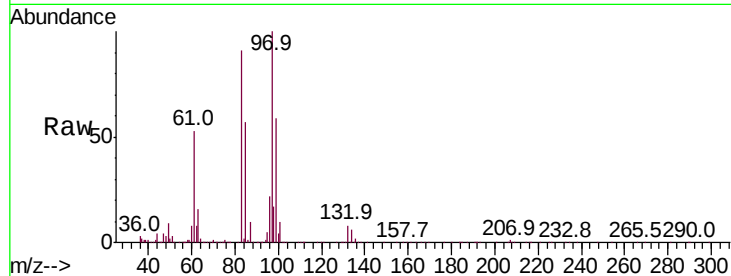
85 57.4 47.5 71.3

99 58.7 54.1 81.1

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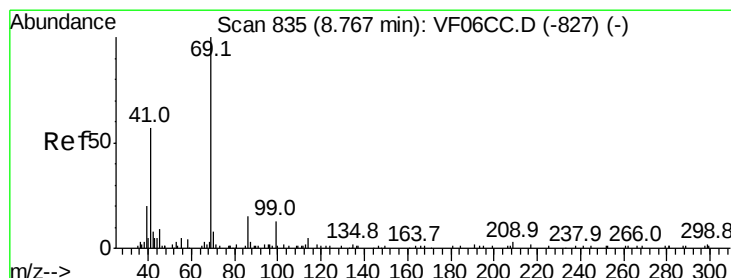
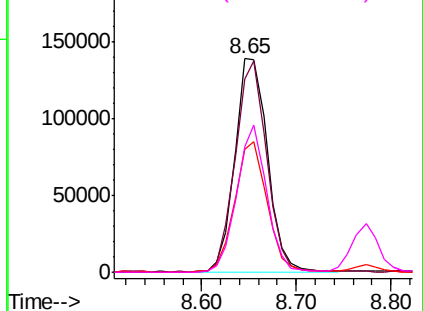


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 59.378 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

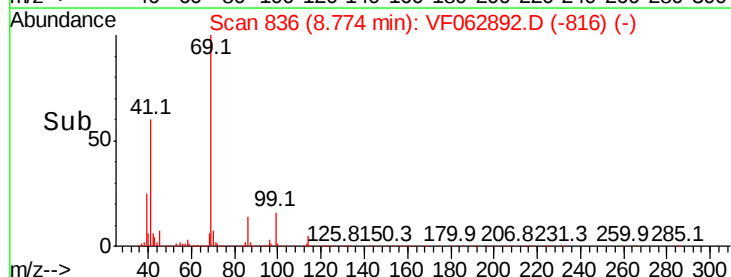
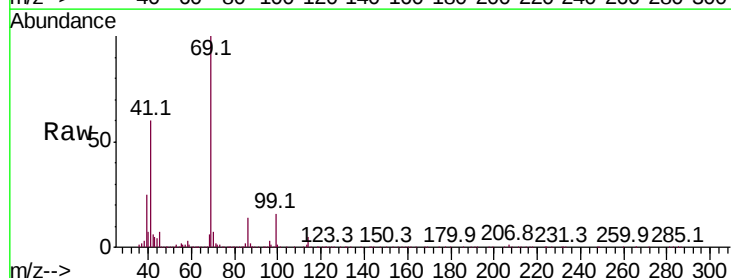
Tgt Ion: 69 Resp: 389475

Ion Ratio Lower Upper

69 100

41 60.2 46.6 69.8

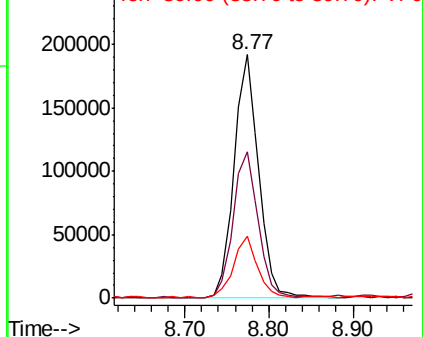
39 25.5 19.6 29.4

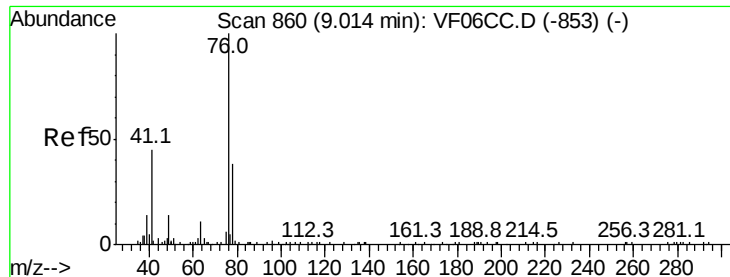


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 56.461 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 563647

Ion Ratio Lower Upper

76 100

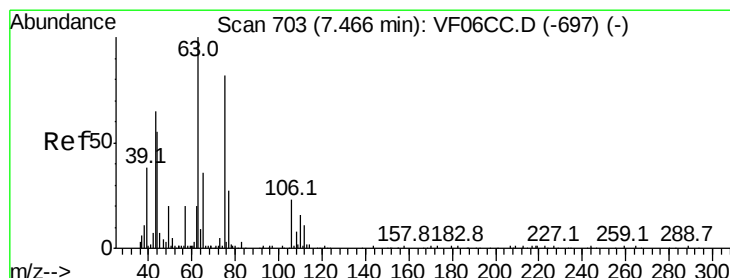
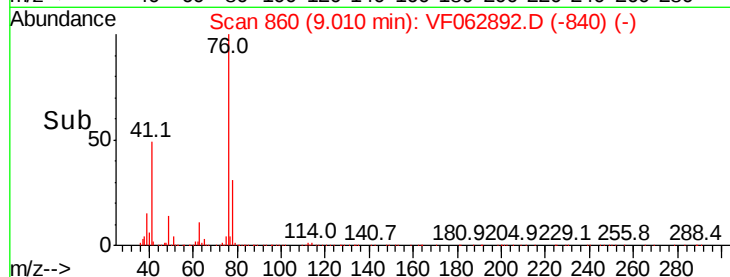
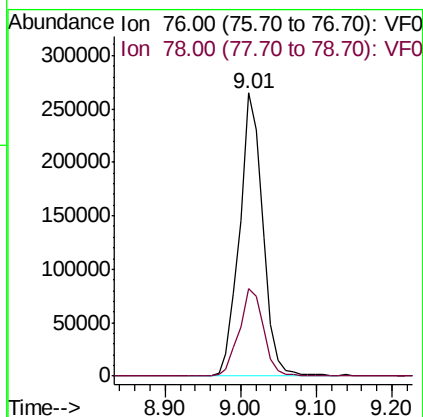
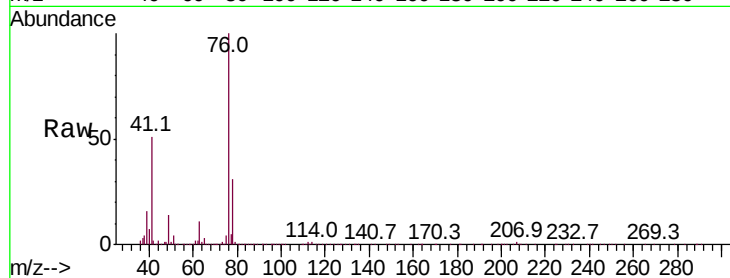
78 31.0 26.8 40.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 321.904 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062892.D

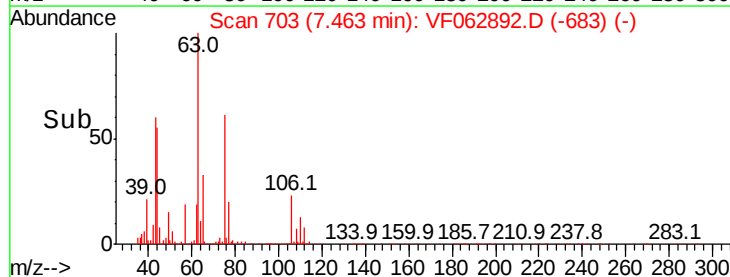
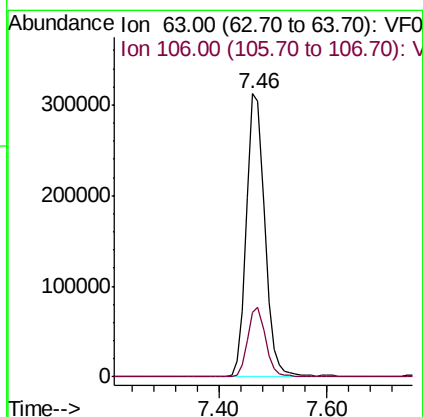
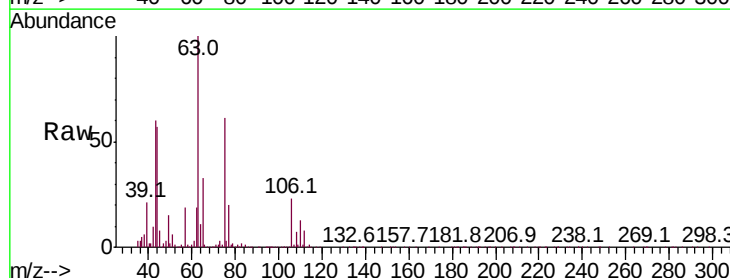
Acq: 6 Jun 2019 19:43

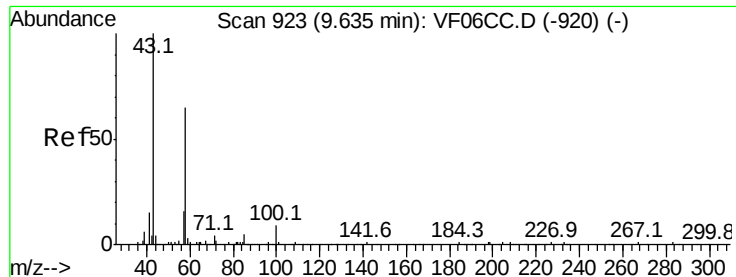
Tgt Ion: 63 Resp: 737934

Ion Ratio Lower Upper

63 100

106 22.7 19.5 29.3





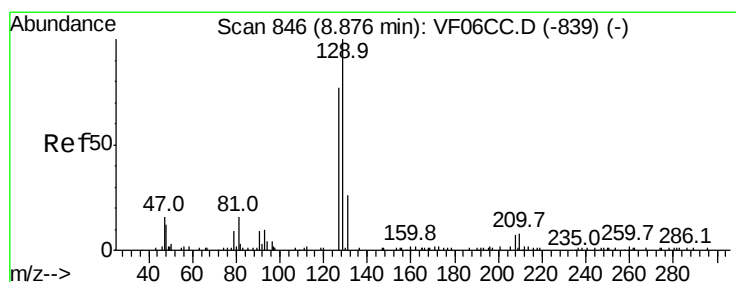
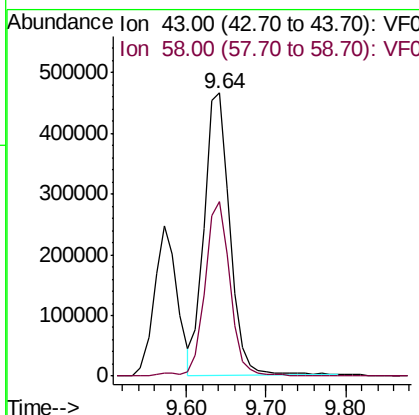
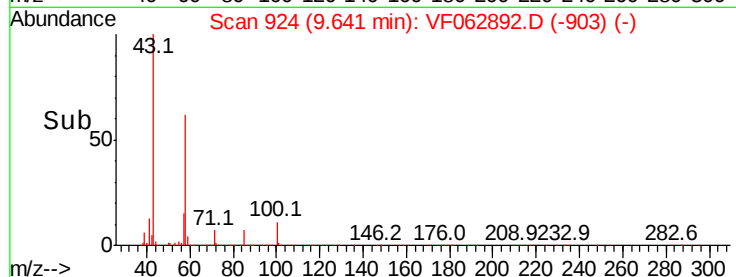
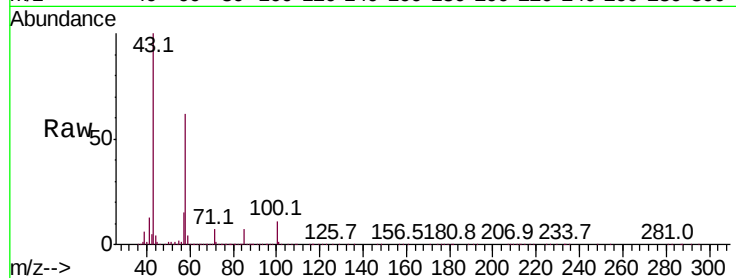
#59
2-Hexanone
Concen: 311.612 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1045286
Ion Ratio Lower Upper
43 100
58 61.6 29.3 87.9

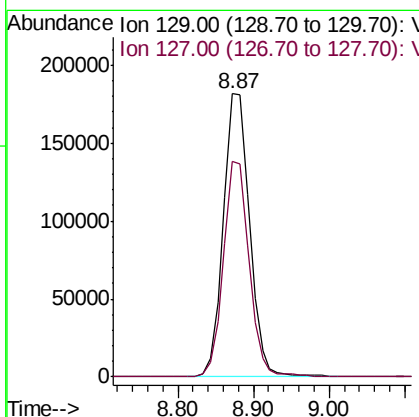
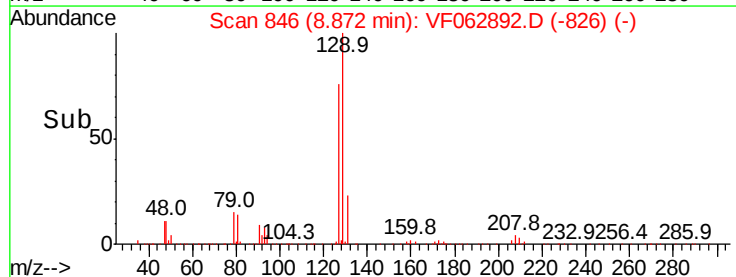
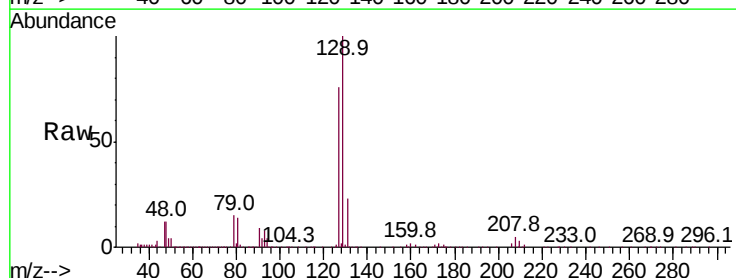
Manual Integrations
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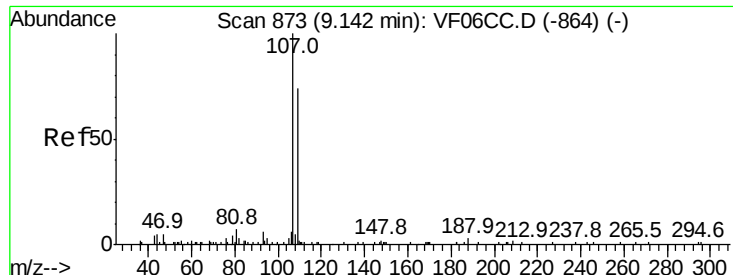
MMDadoda
6/7/2019 4:04:18 PM



#60
Dibromochloromethane
Concen: 57.892 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 129 Resp: 438158
Ion Ratio Lower Upper
129 100
127 76.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 59.414 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 377216

Ion Ratio Lower Upper

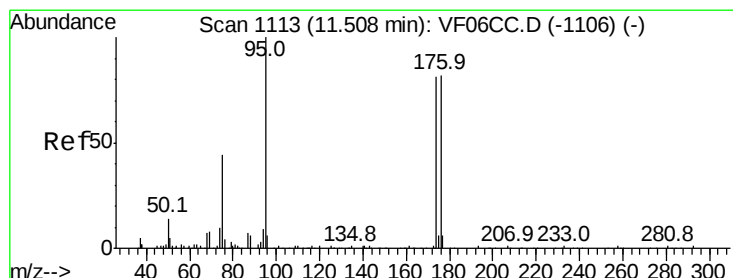
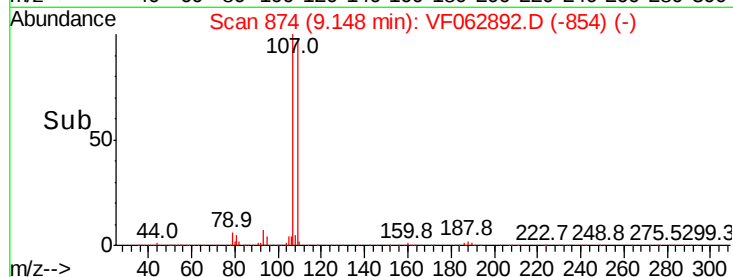
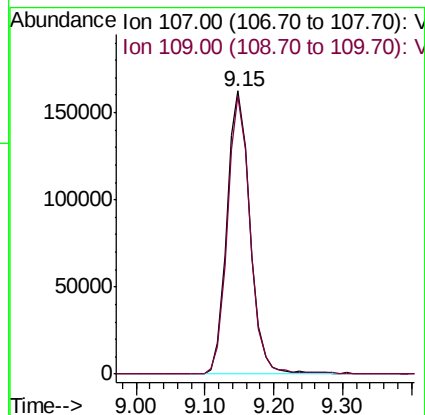
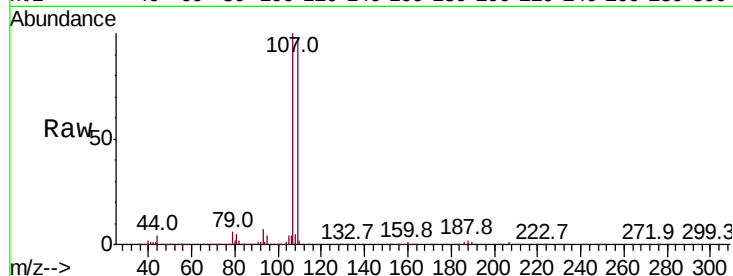
107 100

109 98.3 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 56.373 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

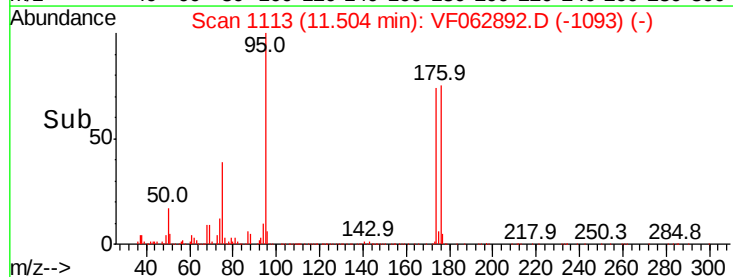
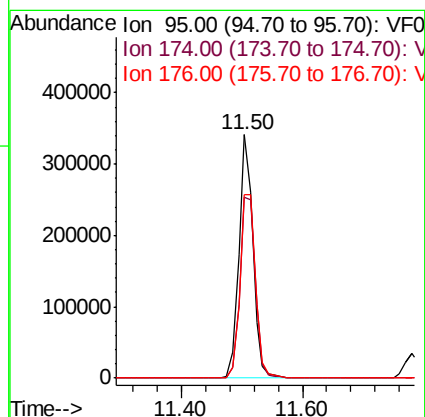
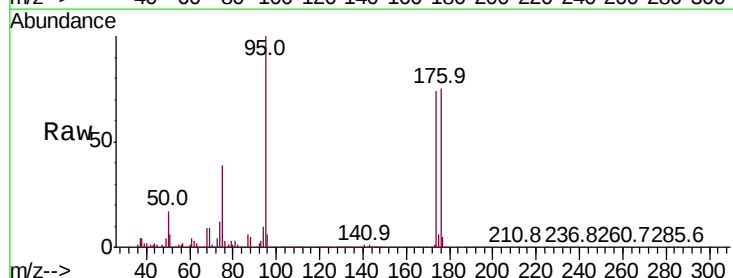
Tgt Ion: 95 Resp: 549452

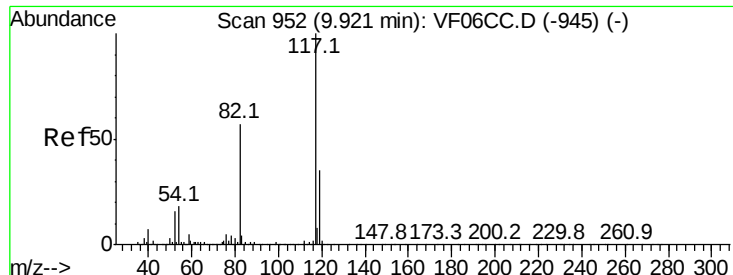
Ion Ratio Lower Upper

95 100

174 74.1 0.0 170.6

176 75.2 0.0 170.6





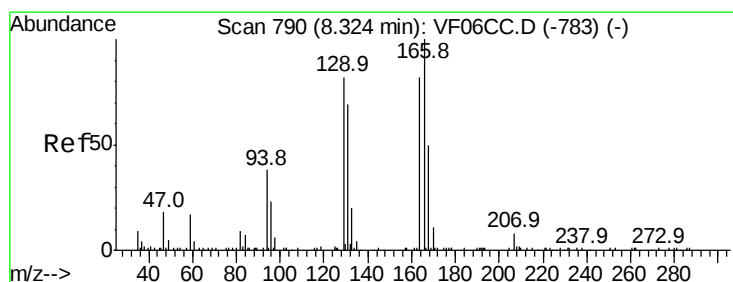
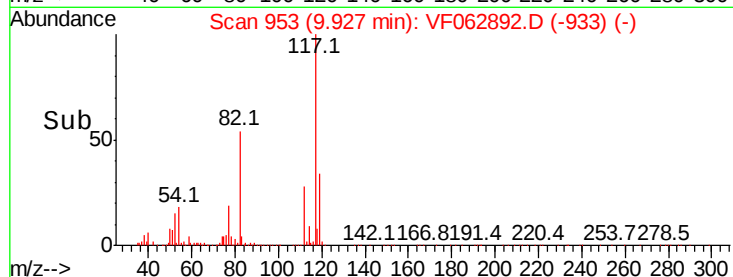
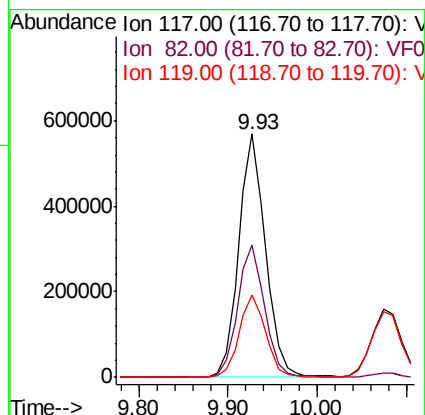
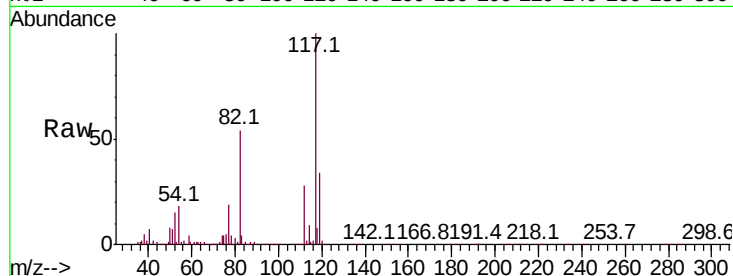
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.4	63.6
119	33.7	27.1	40.7

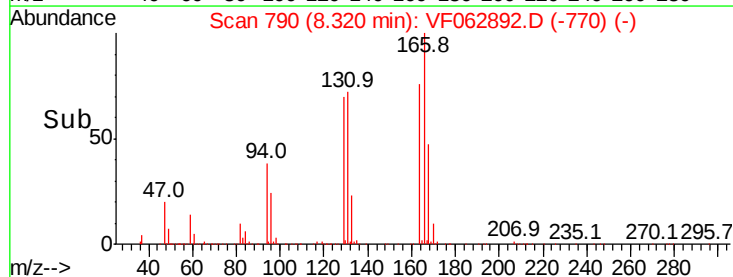
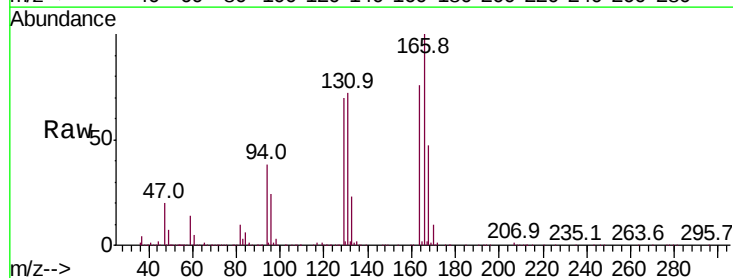
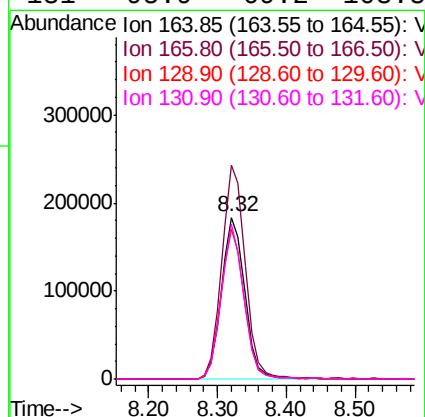
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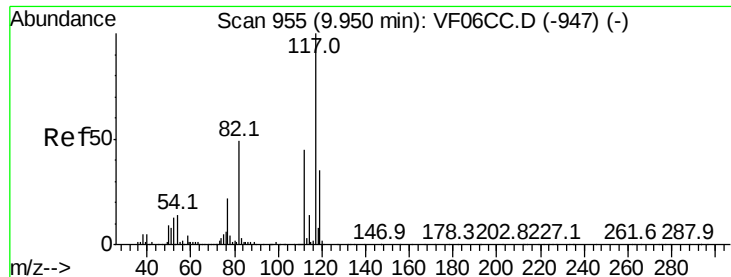
MMDadoda
6/7/2019 4:04:18 PM



#64
Tetrachloroethene
Concen: 47.132 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	99.1	148.7
129	92.8	69.5	104.3
131	95.9	69.2	103.8





#65

Chlorobenzene

Concen: 50.236 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1154407

Ion Ratio Lower Upper

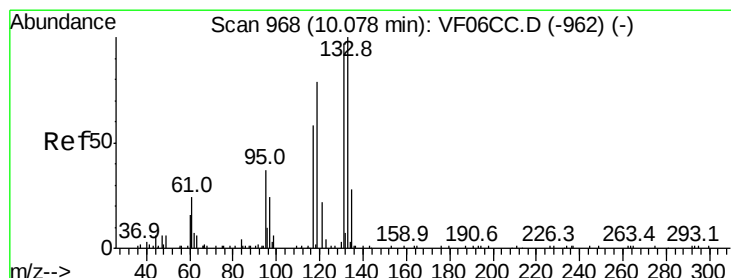
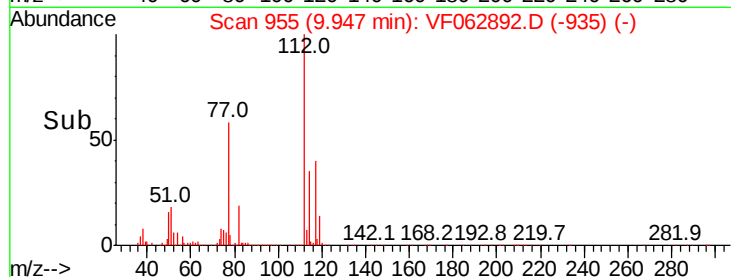
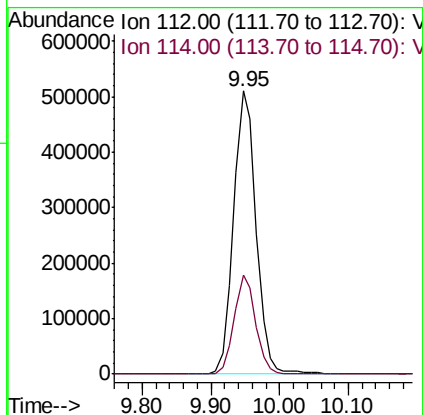
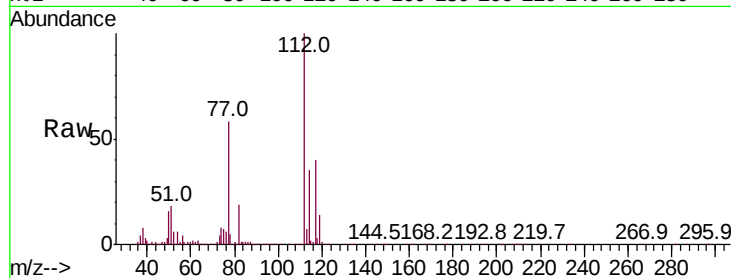
112 100

114 34.8 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 51.008 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

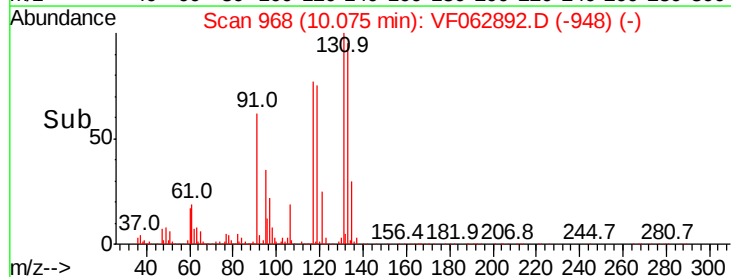
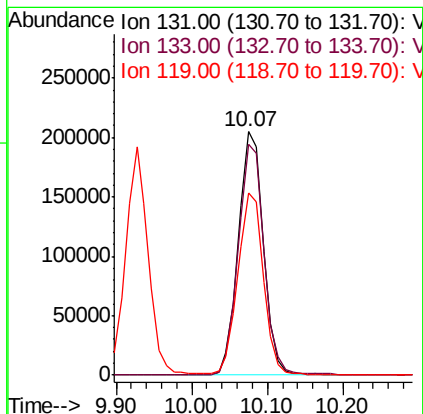
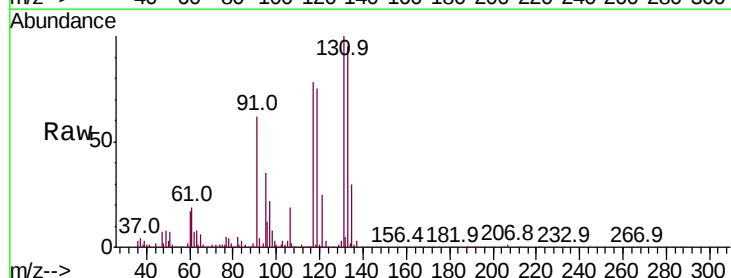
Tgt Ion:131 Resp: 466811

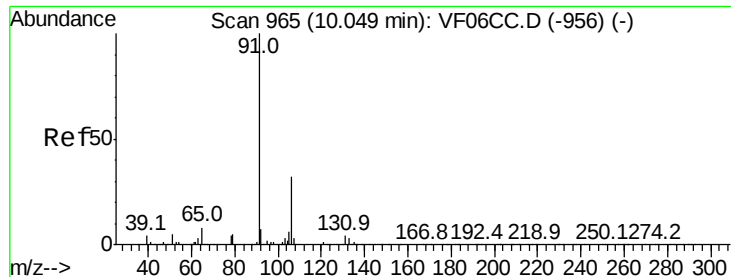
Ion Ratio Lower Upper

131 100

133 94.8 48.9 146.7

119 74.7 38.0 114.0





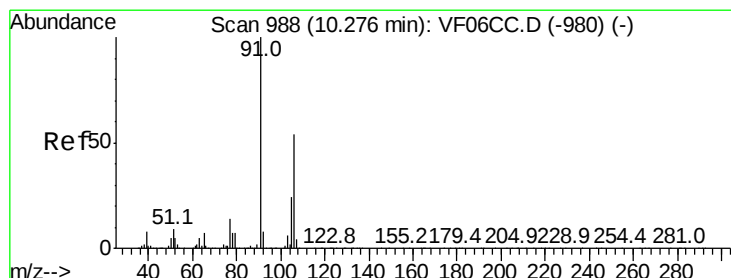
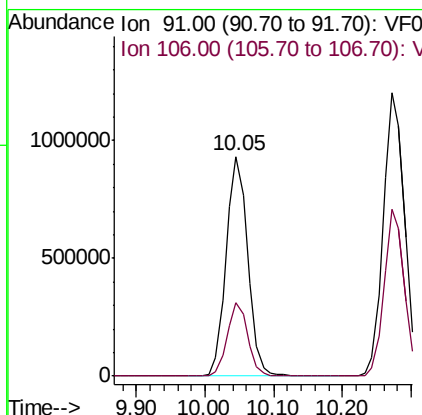
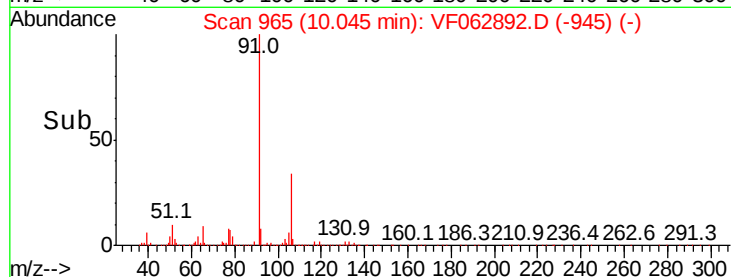
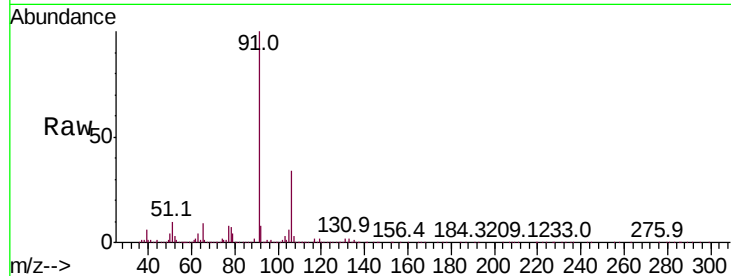
#67
Ethyl Benzene
Concen: 51.348 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2024868
Ion Ratio Lower Upper
91 100
106 33.5 26.0 39.0

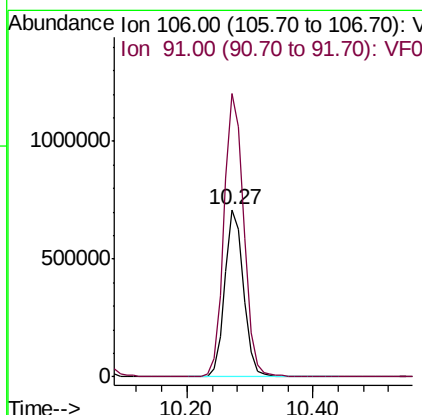
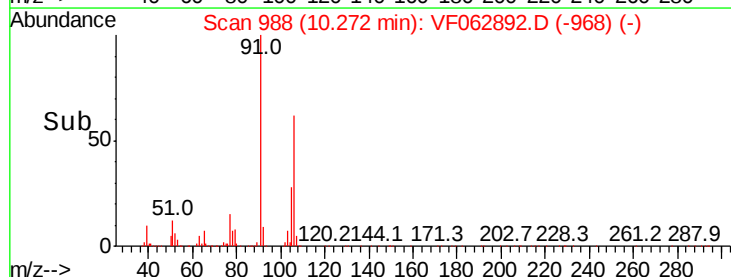
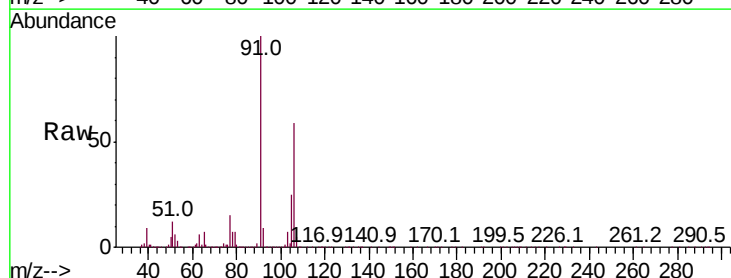
Manual Integrations
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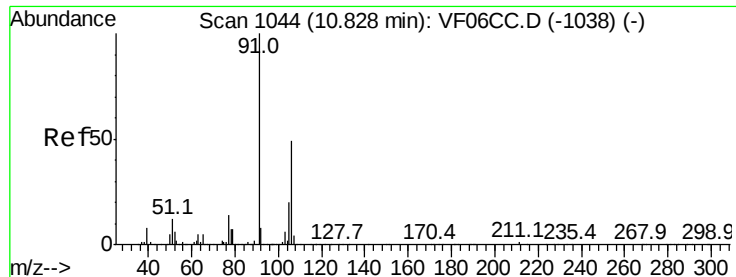
MMDadoda
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#68
m/p-Xylenes
Concen: 96.817 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 106 Resp: 1460969
Ion Ratio Lower Upper
106 100
91 169.5 136.2 204.4





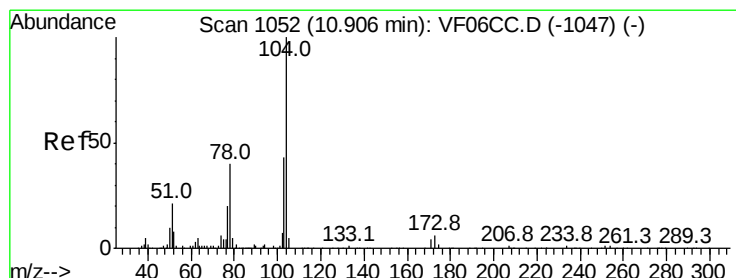
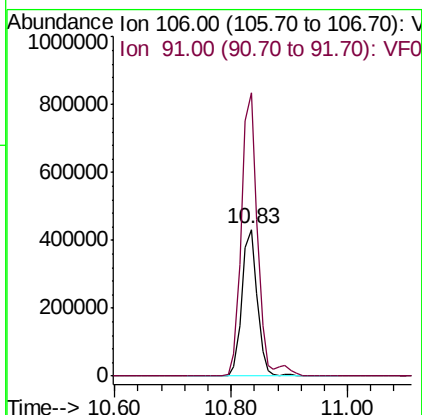
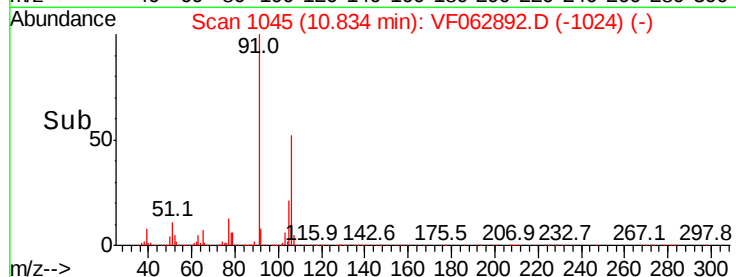
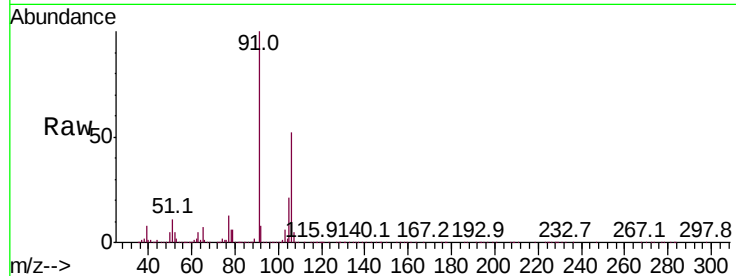
#69
o-Xylene
Concen: 52.105 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	192.5	96.6	289.8

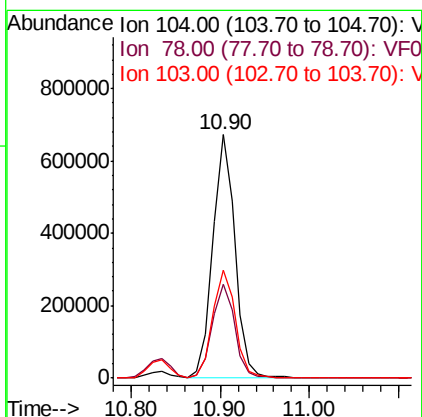
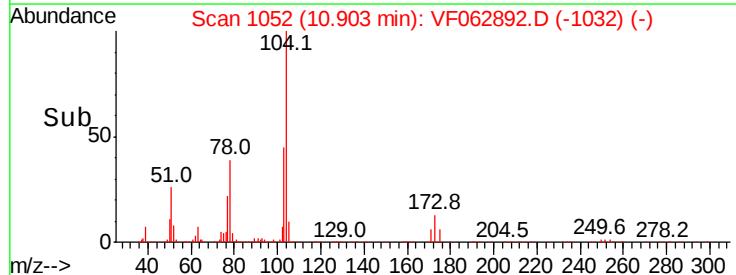
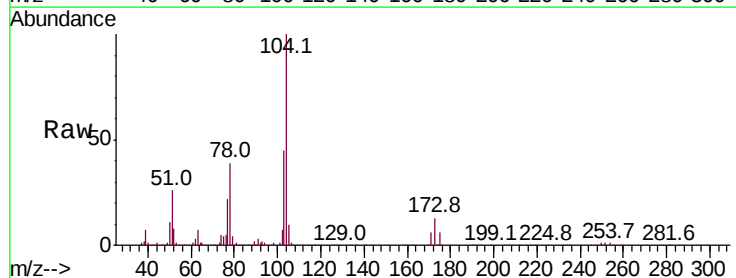
Manual Integrations
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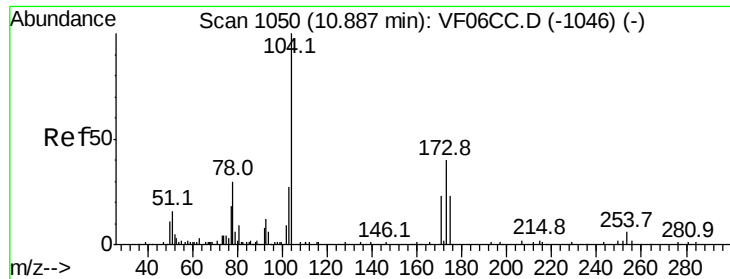
MMDadoda
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#70
Styrene
Concen: 51.774 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.7	30.8	46.2
103	44.5	35.8	53.6





#71

Bromoform

Concen: 56.282 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 247096

Ion Ratio Lower Upper

173 100

175 48.1 24.6 74.0

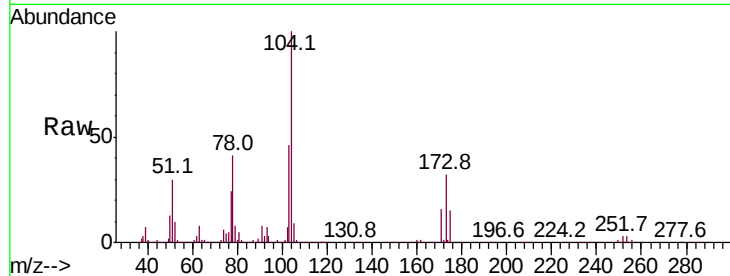
254 0.1 0.1 0.1

Manual Integrations

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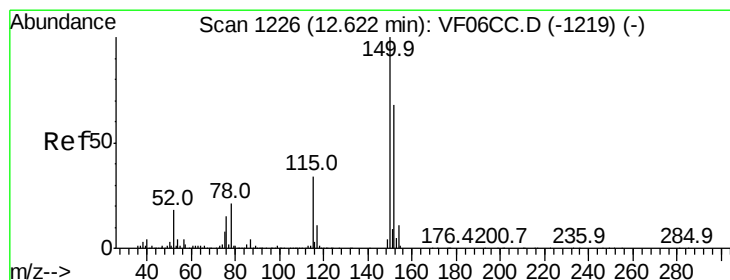
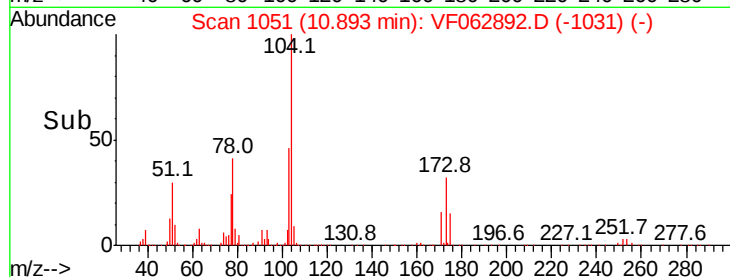
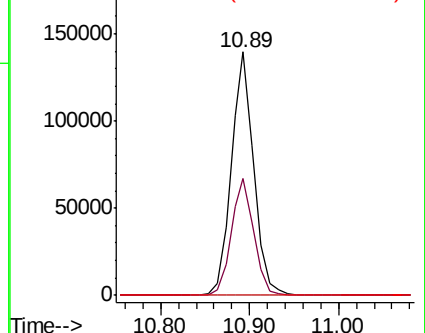
6/7/2019 4:04:18 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

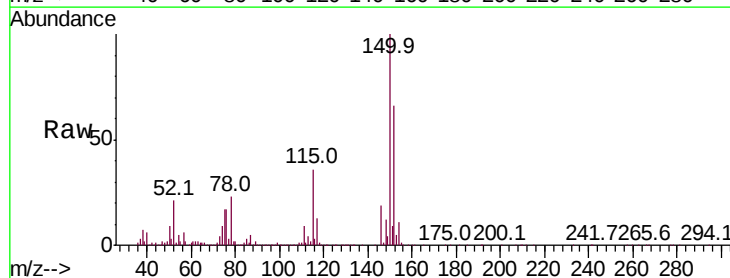
Tgt Ion:152 Resp: 551120

Ion Ratio Lower Upper

152 100

115 54.1 24.6 74.0

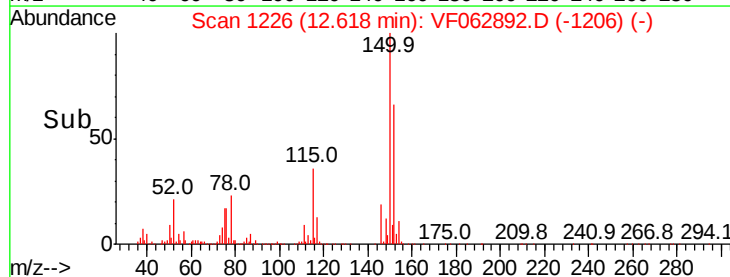
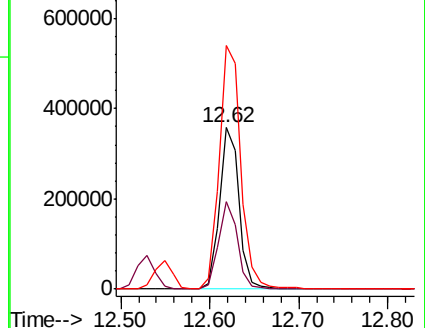
150 150.8 0.0 290.6

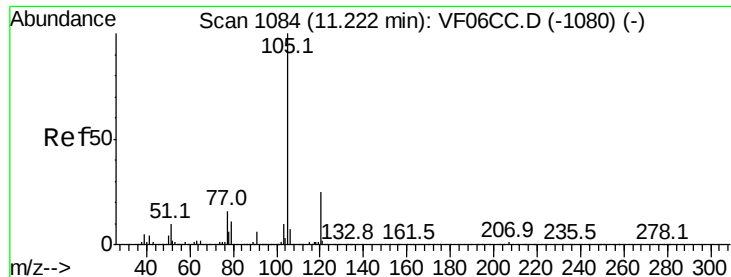


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.481 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2018144

Ion Ratio Lower Upper

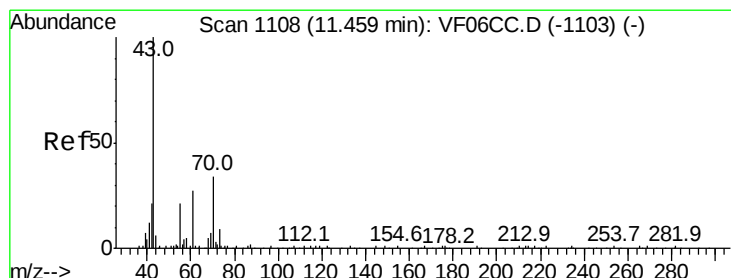
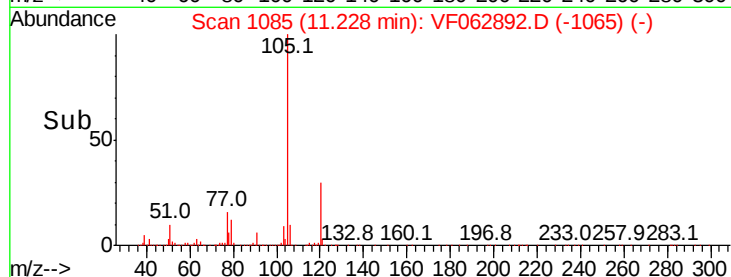
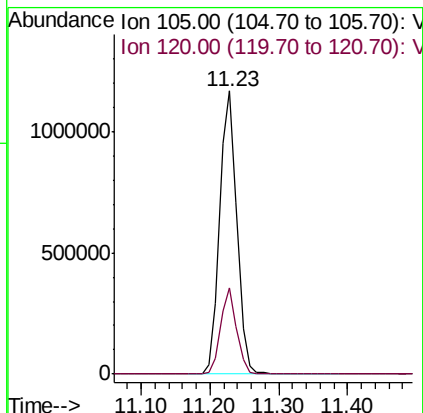
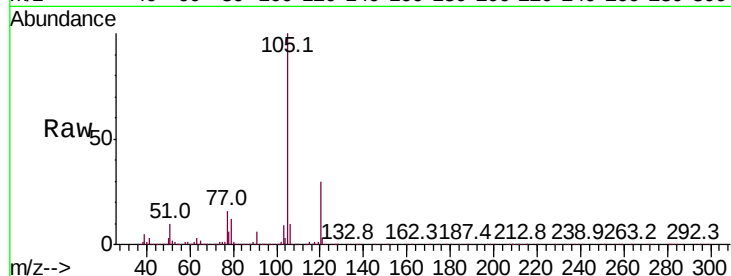
105 100

120 30.3 15.1 45.3

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#74

N-ethyl acetate

Concen: 54.663 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion: 43 Resp: 592453

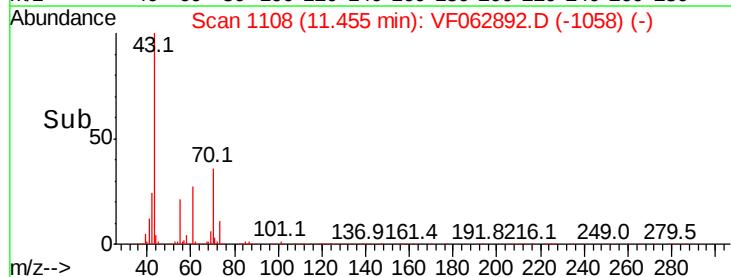
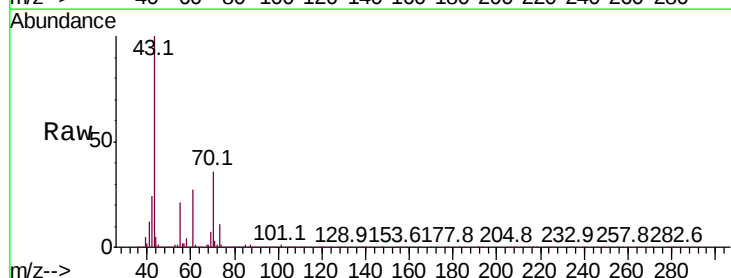
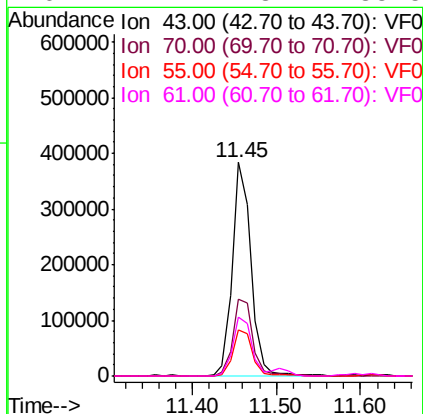
Ion Ratio Lower Upper

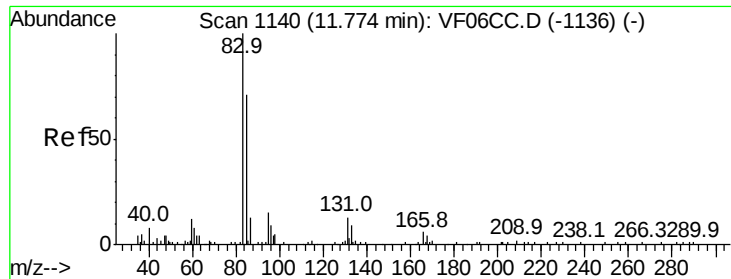
43 100

70 36.2 32.9 49.3

55 21.4 17.3 25.9

61 27.4 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.964 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

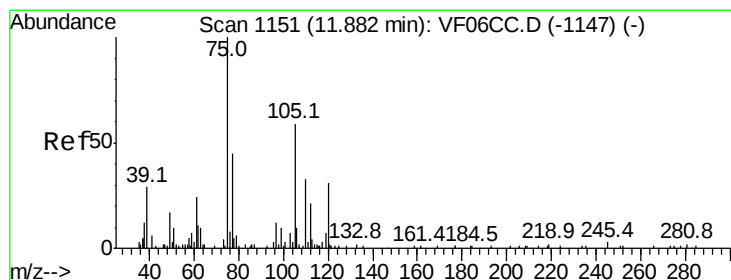
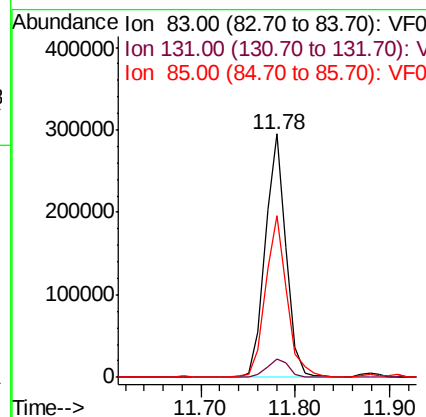
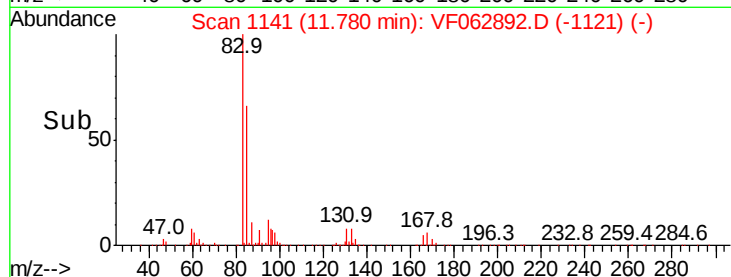
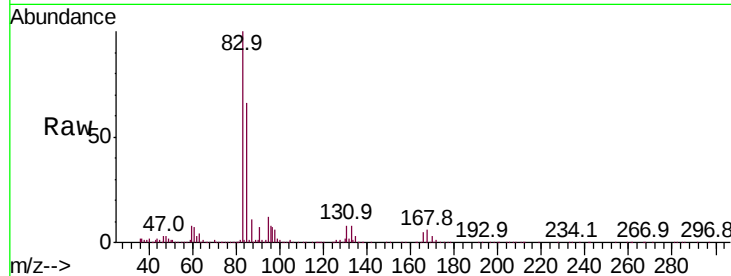
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	451368
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.9	14.7
85	66.2	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.158 ug/l

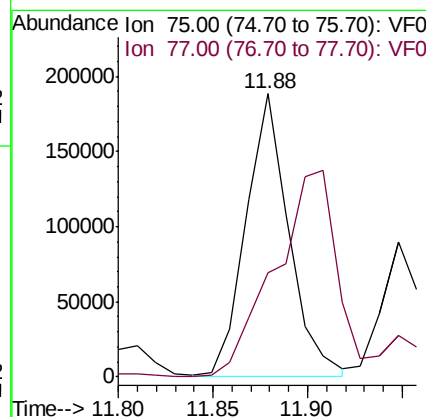
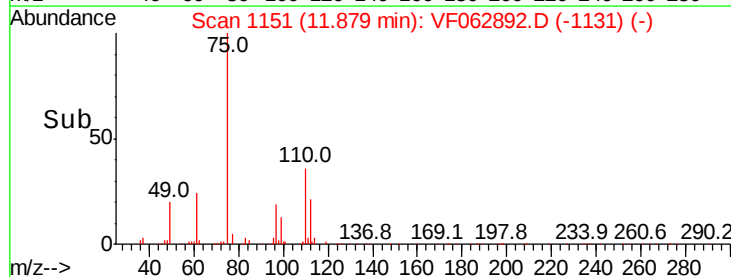
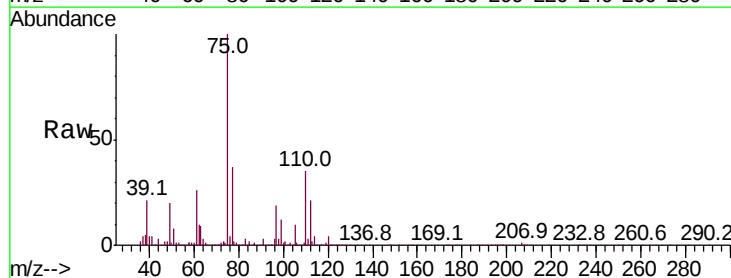
RT: 11.88 min Scan# 1151

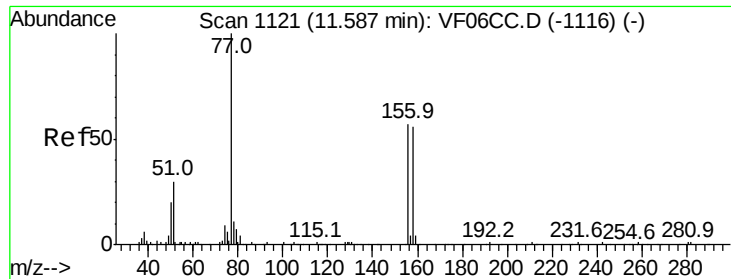
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	75	Resp:	294808
Ion Ratio	Lower	Upper	
75	100		
77	36.9	20.1	60.2





#77

Bromobenzene

Concen: 50.942 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

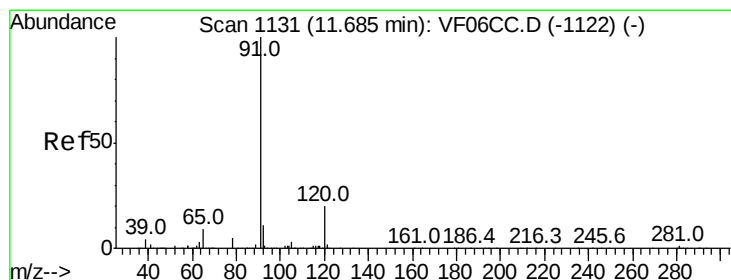
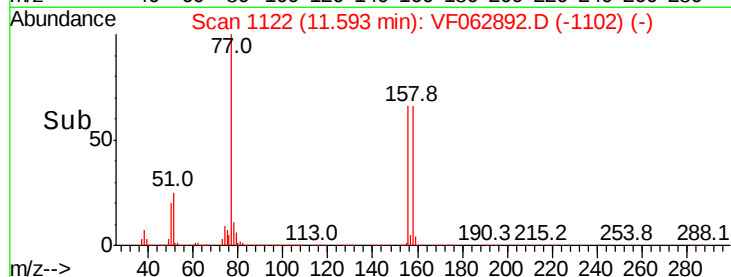
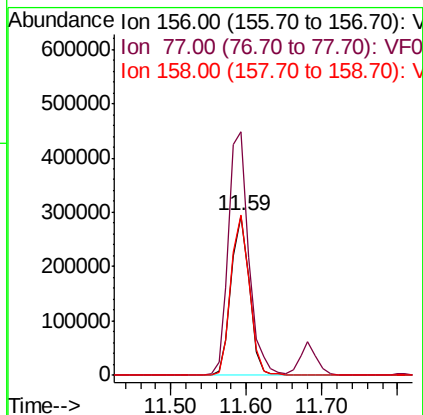
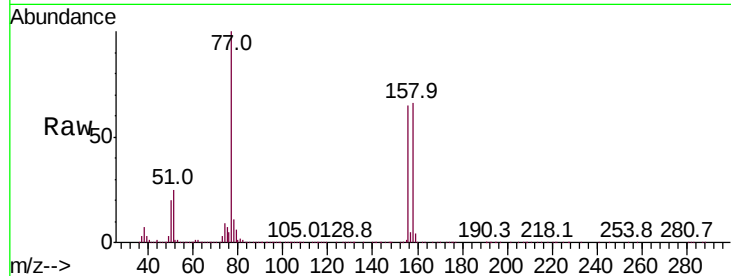
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	492208
Ion Ratio	Lower	Upper	
156	100		
77	152.8	64.2	192.6
158	100.7	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.005 ug/l

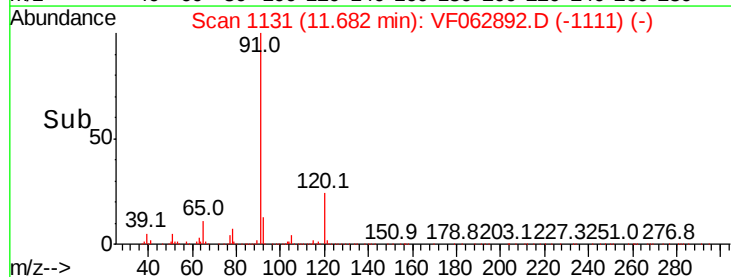
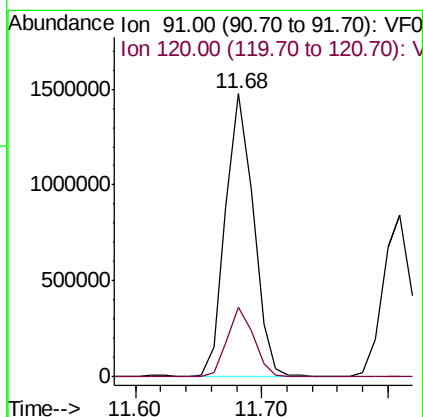
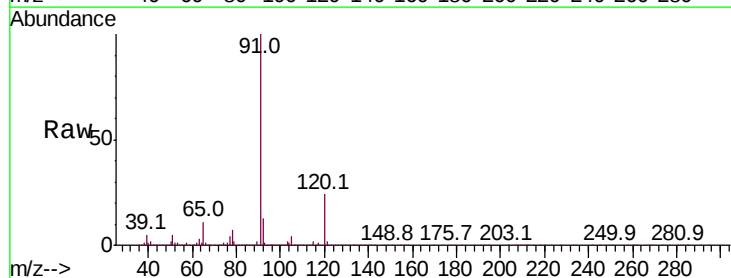
RT: 11.68 min Scan# 1131

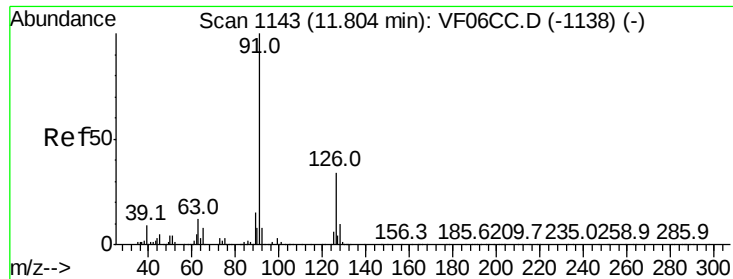
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	91	Resp:	2275367
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.8	38.4





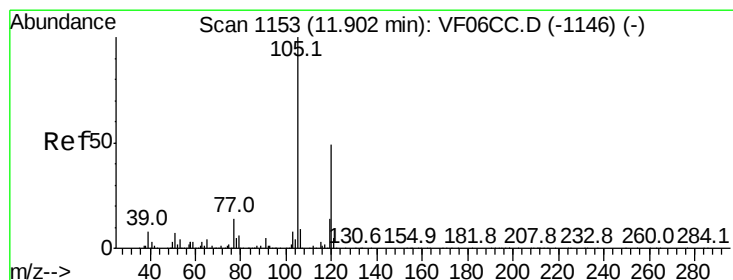
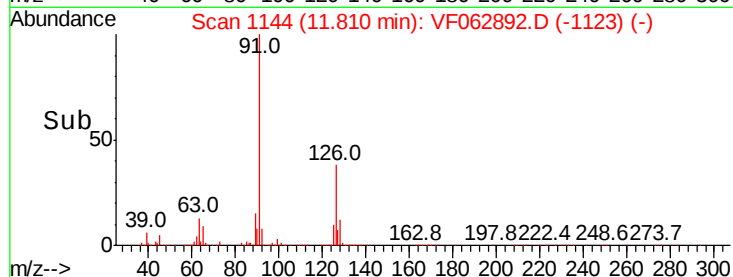
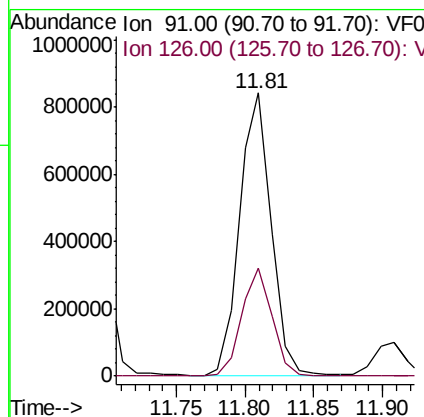
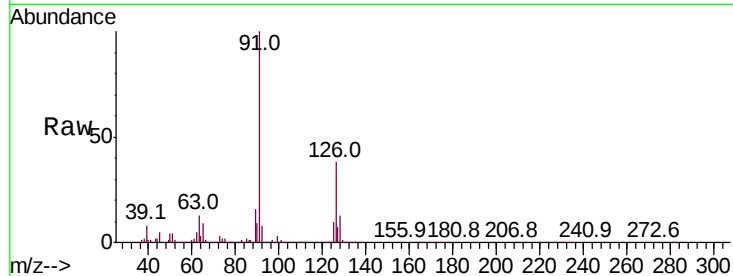
#79
2-Chlorotoluene
Concen: 50.201 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1333739
Ion Ratio Lower Upper
91 100
126 37.9 17.8 53.3

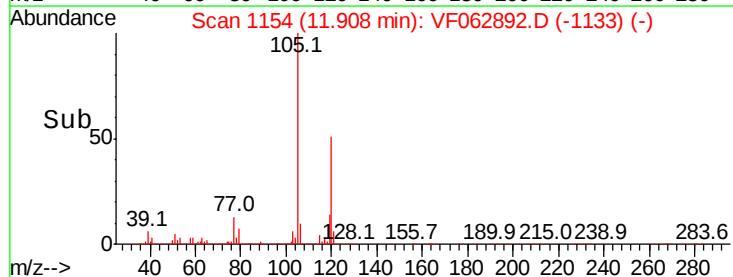
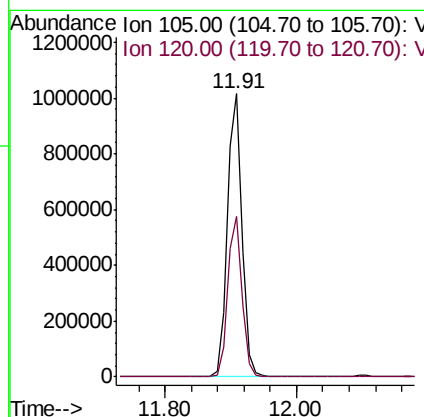
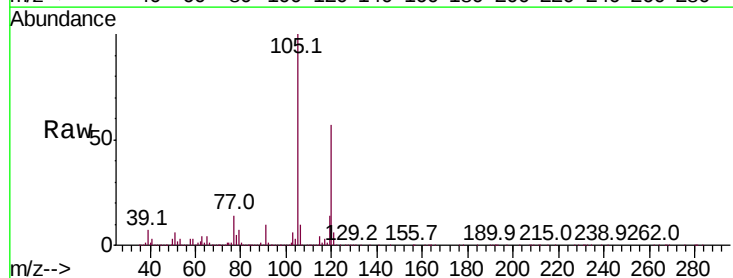
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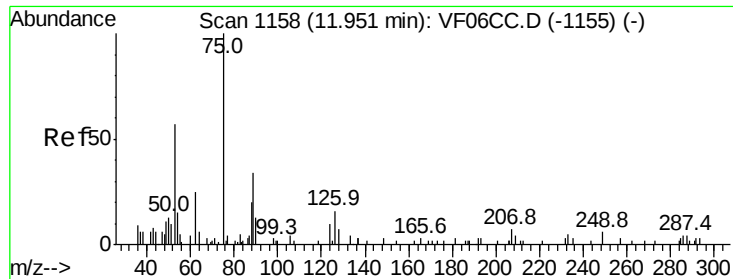
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#80
1,3,5-Trimethylbenzene
Concen: 49.940 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion: 105 Resp: 1570534
Ion Ratio Lower Upper
105 100
120 56.8 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 57.460 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

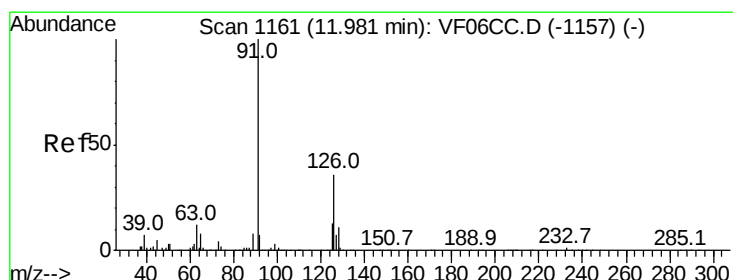
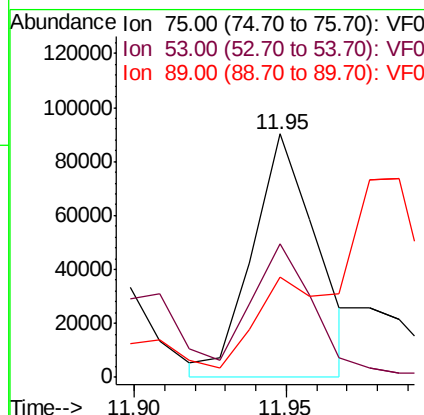
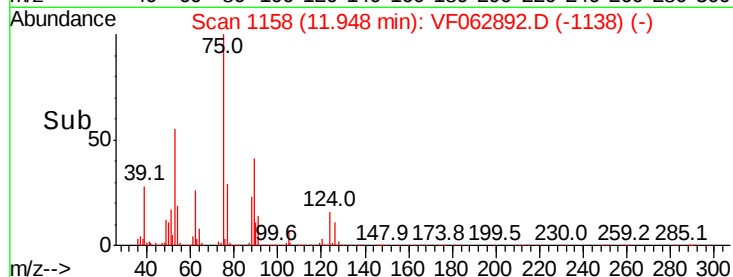
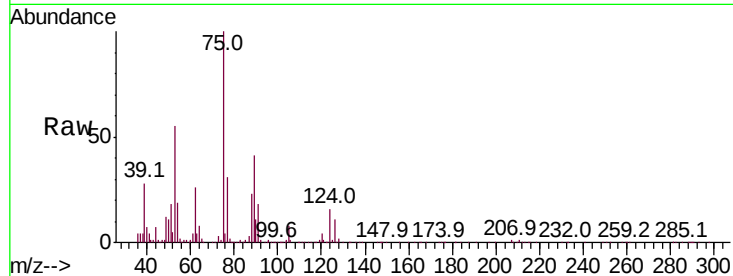
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	132422
Ion Ratio	Lower	Upper	
75	100		
53	55.1	43.5	65.3
89	41.1	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.568 ug/l

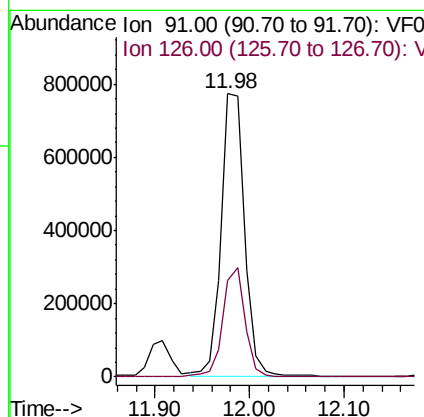
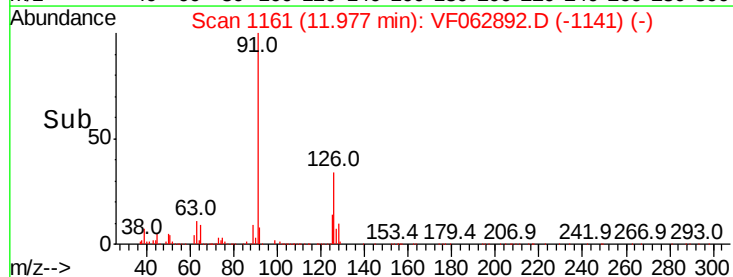
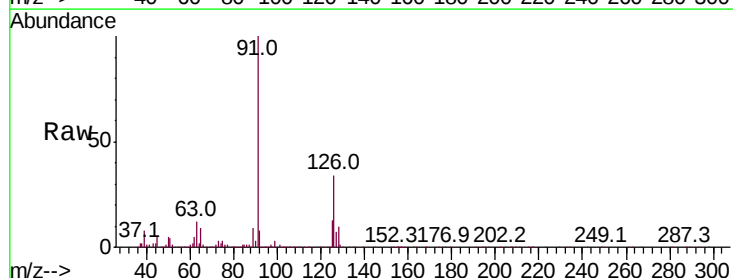
RT: 11.98 min Scan# 1161

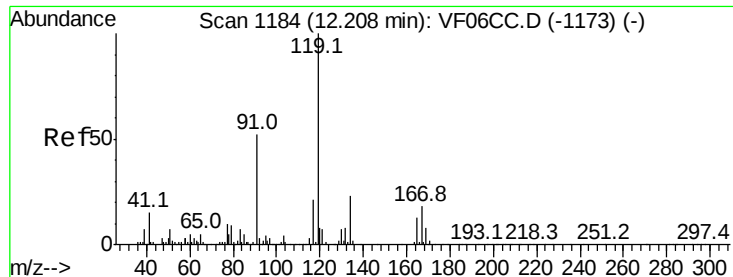
Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	91	Resp:	1320319
Ion Ratio	Lower	Upper	
91	100		
126	34.1	19.1	57.1





#83

tert-Butylbenzene

Concen: 50.958 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

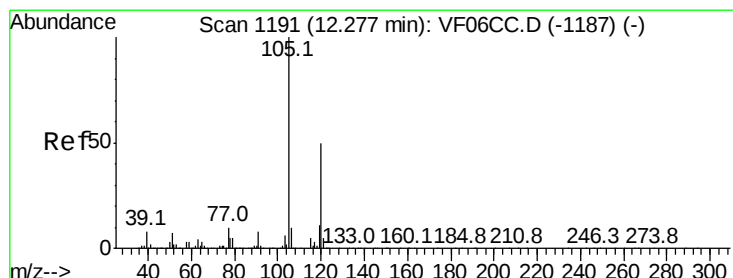
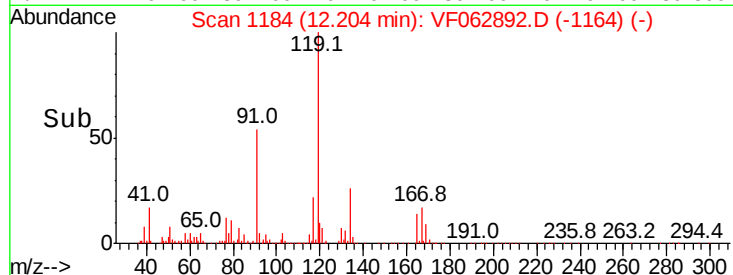
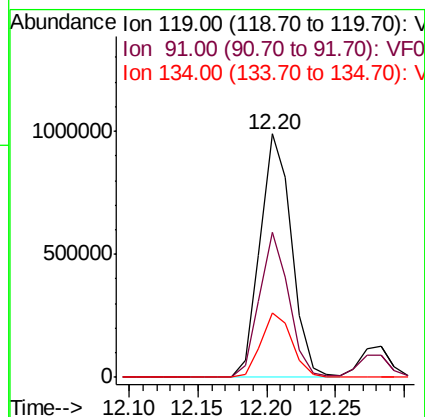
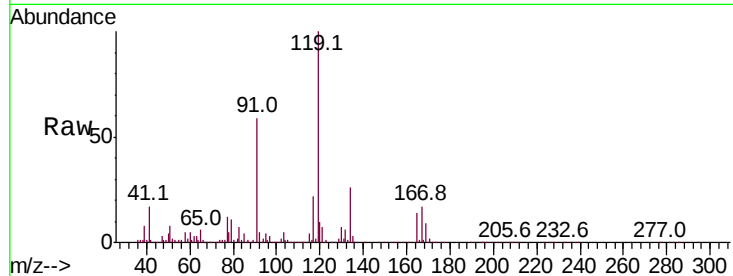
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp: 1587905
Ion Ratio	Lower Upper
119 100	
91 59.5	28.9 86.7
134 26.3	14.3 42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.199 ug/l

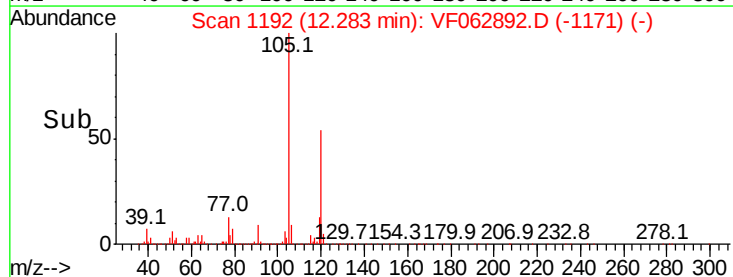
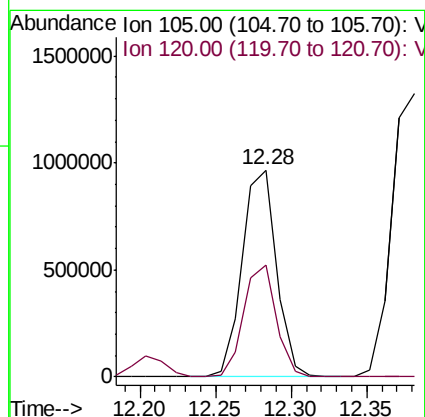
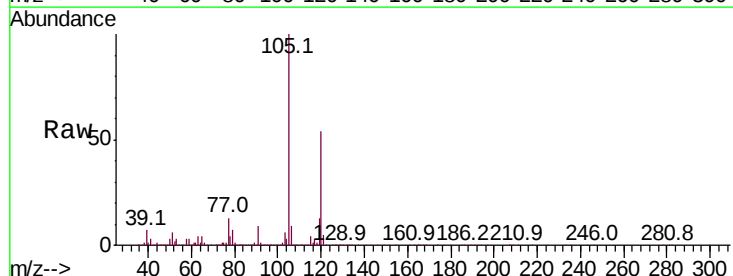
RT: 12.28 min Scan# 1192

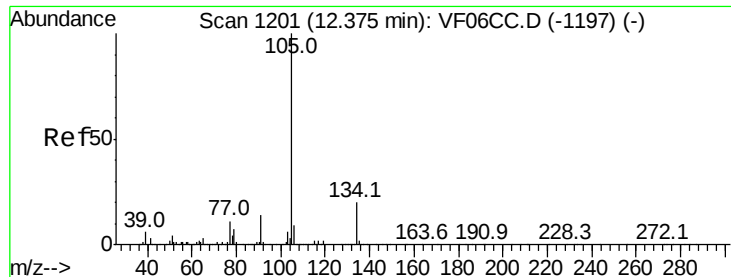
Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:105	Resp: 1526597
Ion Ratio	Lower Upper
105 100	
120 54.1	27.1 81.3





#85

sec-Butylbenzene

Concen: 51.900 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2131026

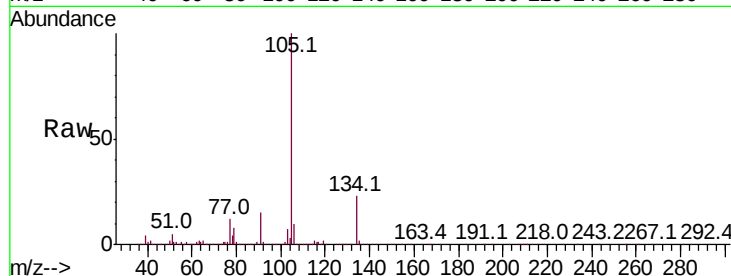
Ion Ratio Lower Upper

105 100

134 22.5 10.5 31.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

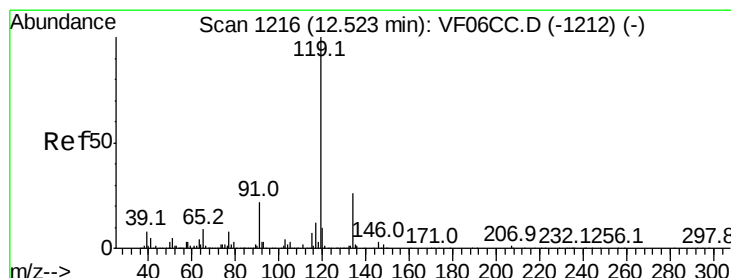
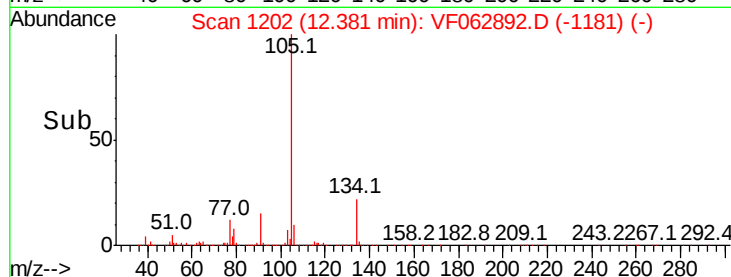
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.911 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

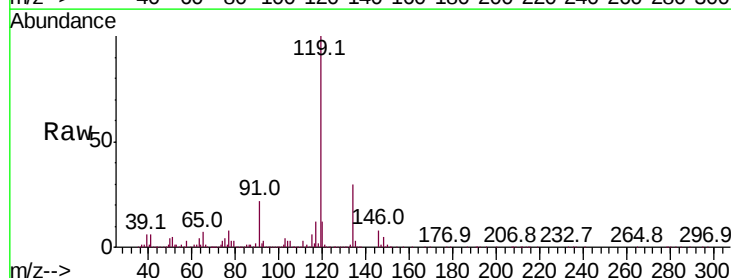
Tgt Ion:119 Resp: 1739990

Ion Ratio Lower Upper

119 100

134 29.9 15.5 46.5

91 21.7 10.3 30.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

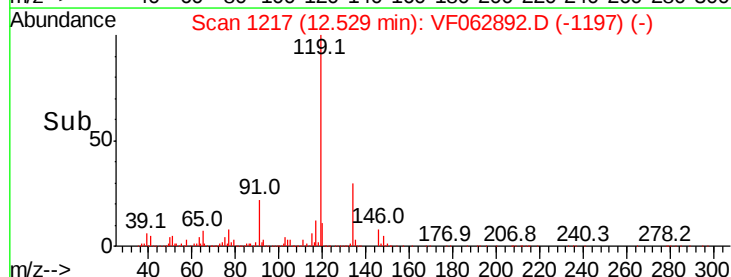
1500000

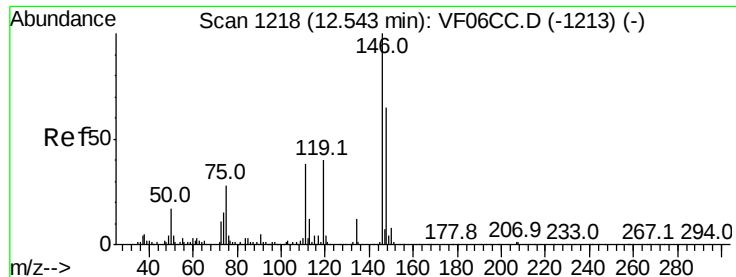
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.755 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

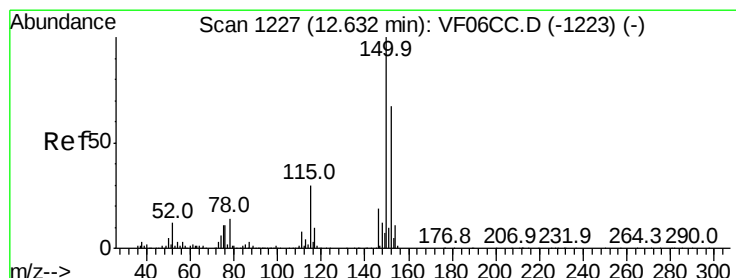
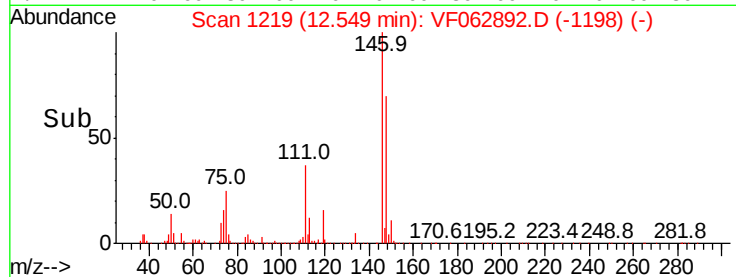
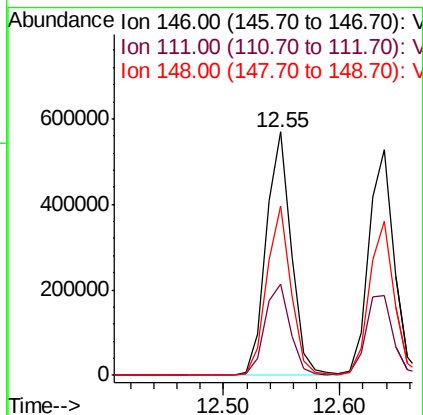
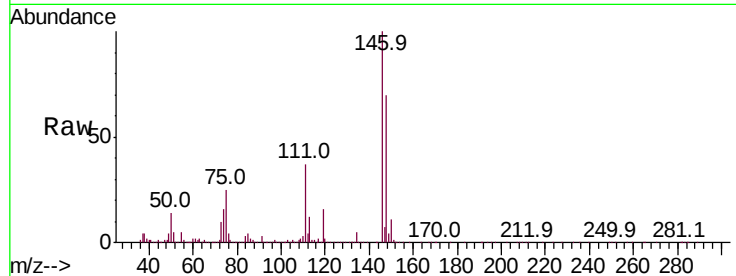
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	847829
Ion Ratio	Lower	Upper	
146	100		
111	37.3	19.6	58.8
148	69.7	34.2	102.5

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#88

1,4-Dichlorobenzene

Concen: 50.253 ug/l

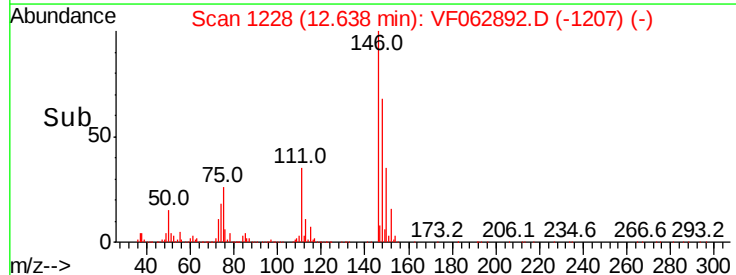
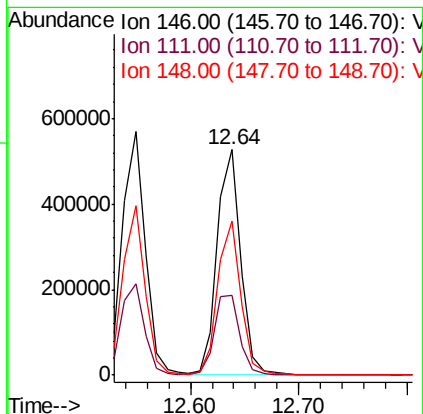
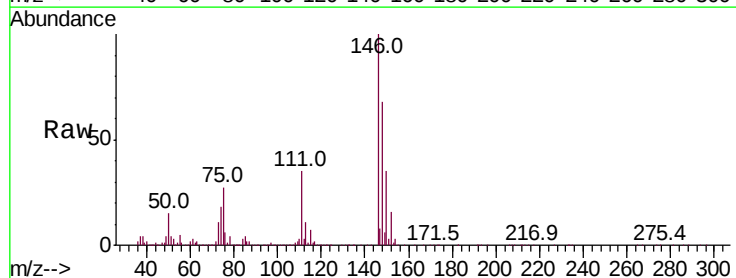
RT: 12.64 min Scan# 1228

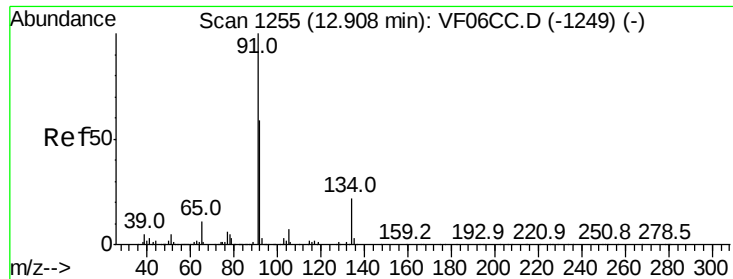
Delta R.T. 0.00 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Tgt Ion:	146	Resp:	799151
Ion Ratio	Lower	Upper	
146	100		
111	35.3	20.3	60.9
148	68.4	34.0	101.8





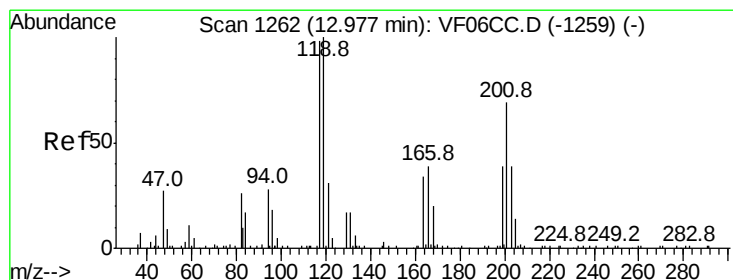
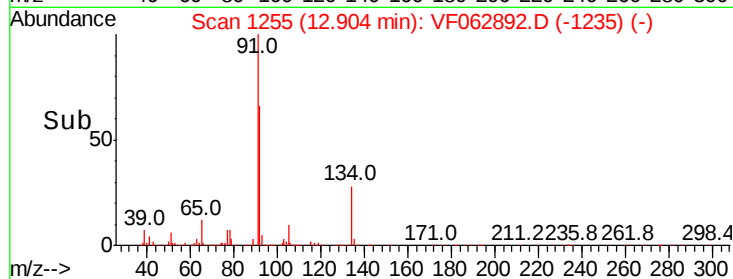
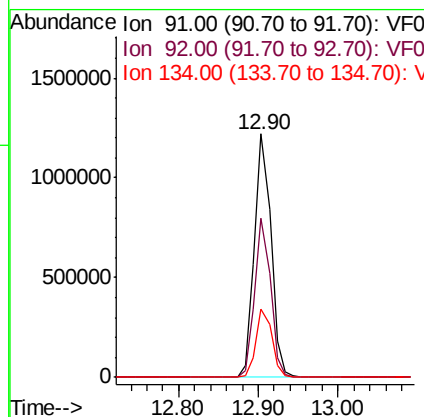
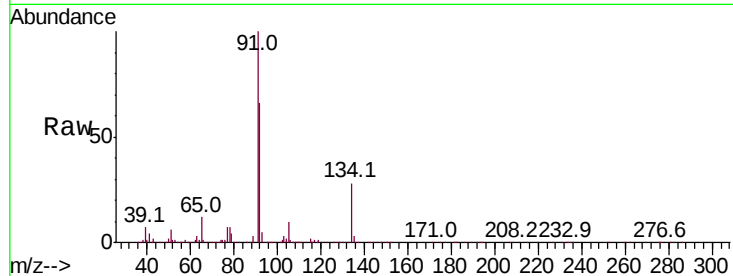
#89
n-Butylbenzene
Concen: 50.230 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.5	34.2	102.6
134	27.9	15.8	47.3

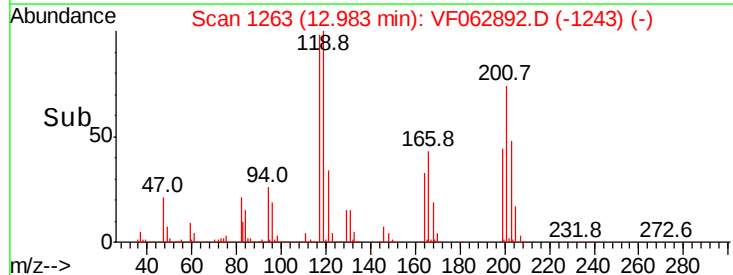
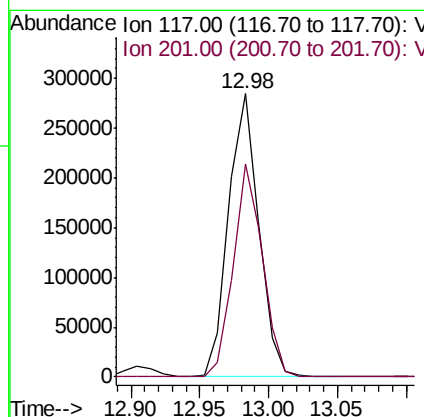
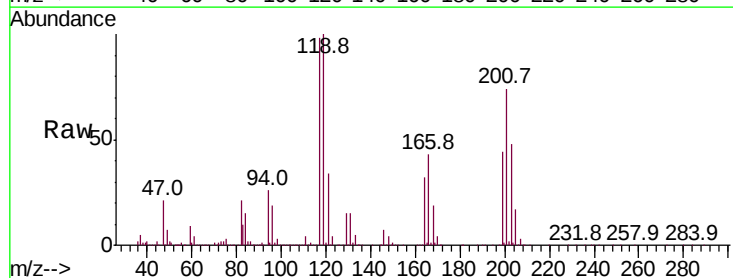
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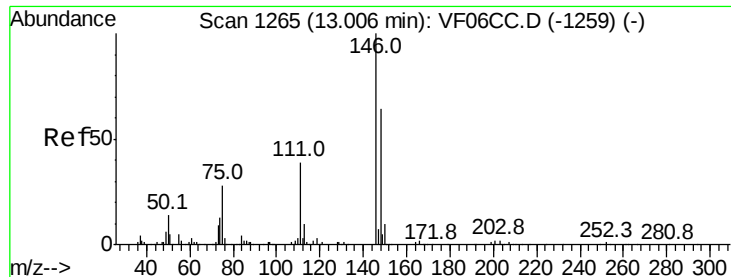
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#90
Hexachloroethane
Concen: 52.023 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.9	116.7





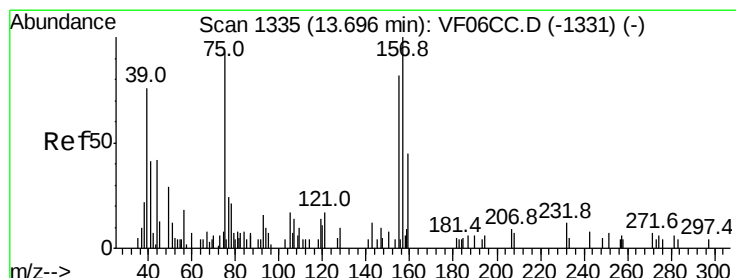
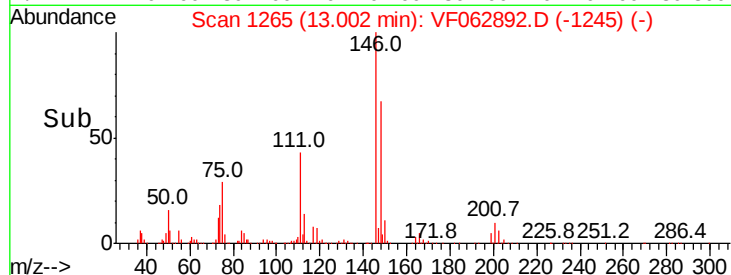
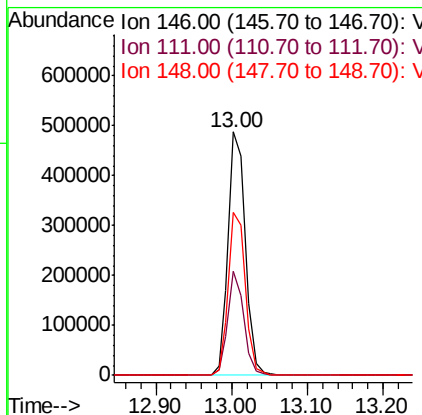
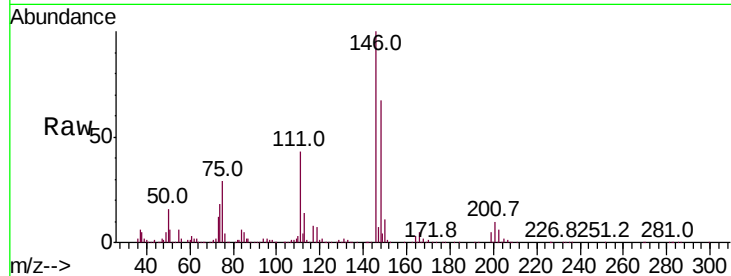
#91
 1,2-Dichlorobenzene
 Concen: 51.491 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.4	61.3
148	66.9	34.1	102.3

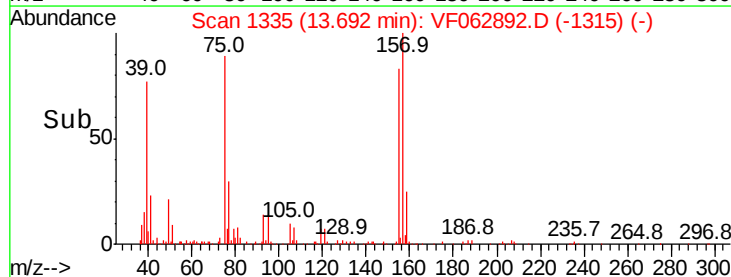
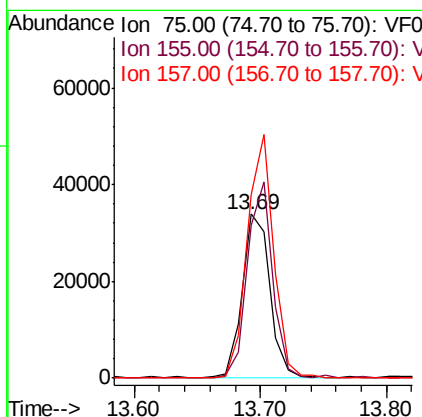
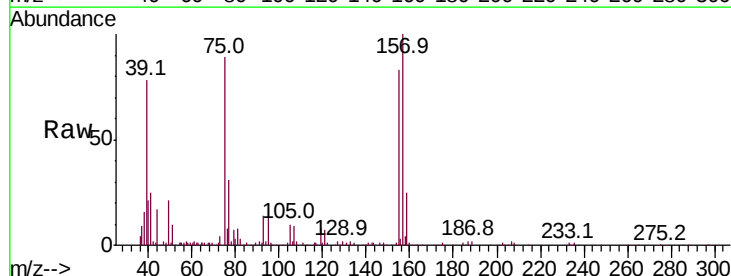
Manual Integrations
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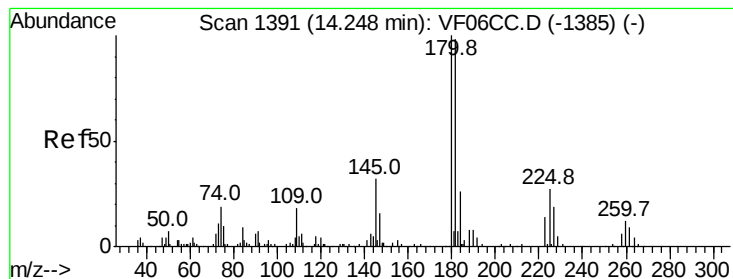
MMDadoda
 6/7/2019 4:04:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.274 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062892.D
 Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	51.7	155.1
157	111.9	66.8	200.6





#93

1,2,4-Trichlorobenzene

Concen: 48.462 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:180 Resp: 498373

Ion Ratio Lower Upper

180 100

182 99.9 50.3 150.9

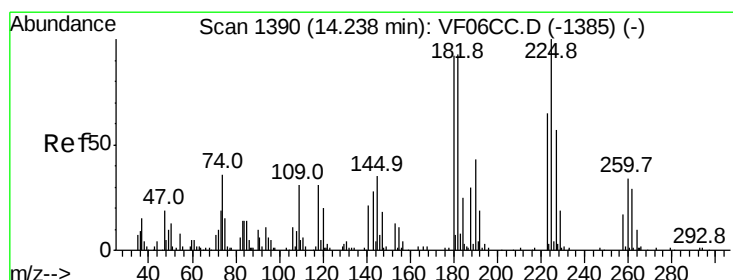
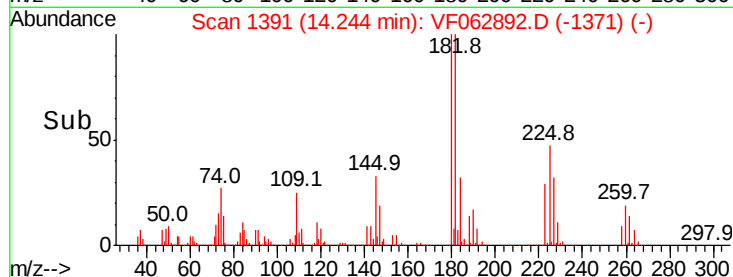
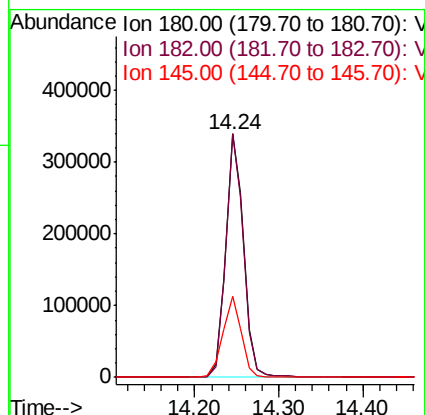
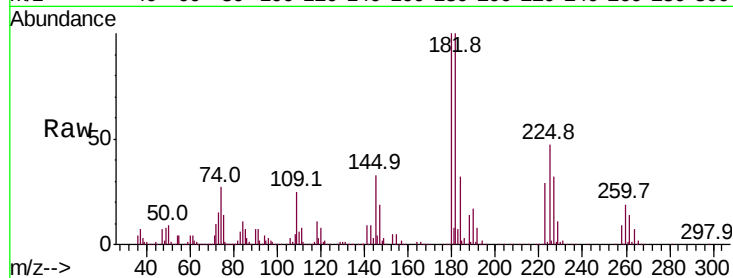
145 33.3 15.4 46.2

Manual Integrations

APPROVED

MMDadoda

6/7/2019 4:04:18 PM



#94

Hexachlorobutadiene

Concen: 47.703 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062892.D

Acq: 6 Jun 2019 19:43

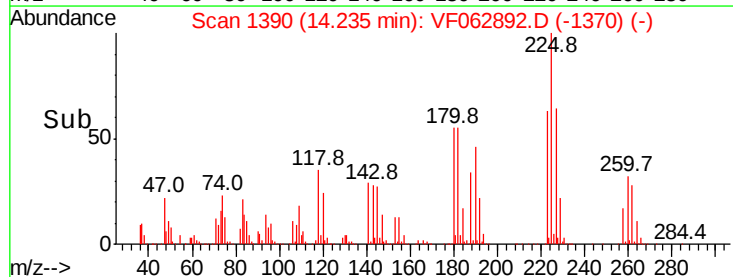
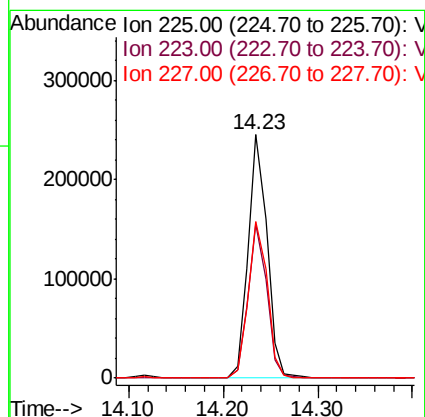
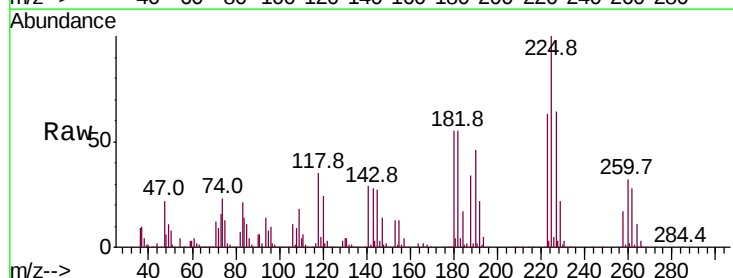
Tgt Ion:225 Resp: 339377

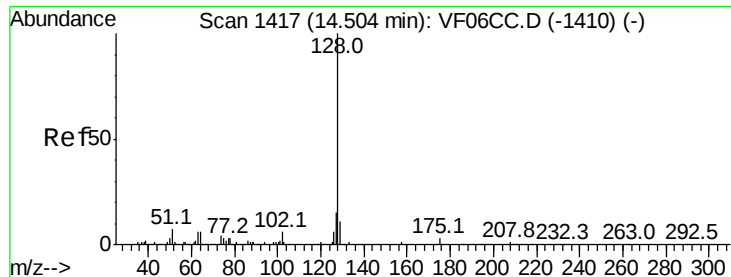
Ion Ratio Lower Upper

225 100

223 63.5 30.8 92.4

227 64.2 31.9 95.5





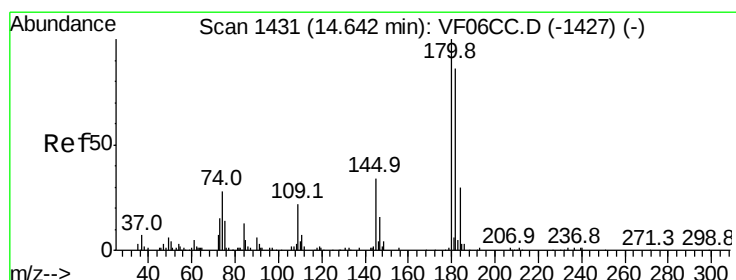
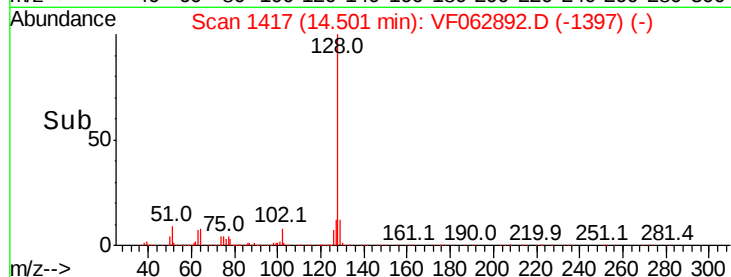
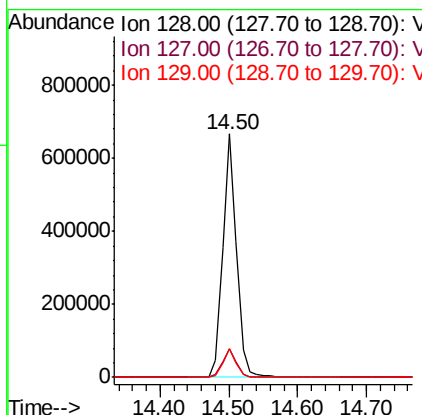
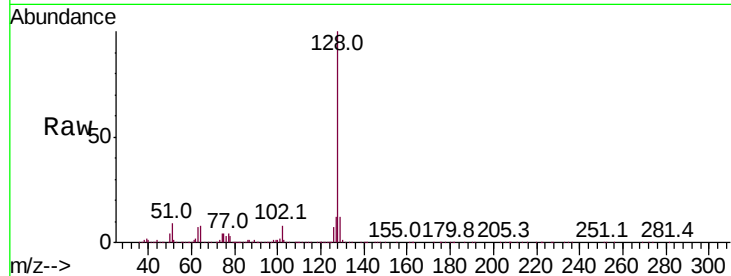
#95
Naphthalene
Concen: 54.826 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	11.6	9.7	14.5	
129	11.9	9.4	14.2	

Manual Integrations
APPROVED

MMDadoda
6/7/2019 4:04:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.055 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062892.D
Acq: 6 Jun 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.0	48.6	145.9	
145	29.4	15.7	47.0	

