

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062857.D
 Acq On : 4 Jun 2019 23:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 8:49:01 AM

Quant Time: Jun 05 06:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	791807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1408079	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	1146330	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	561470	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	285975	52.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	4.32	113	532673	50.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	7.71	98	1372573	51.01	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.49	95	522369	53.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	430802	47.904	ug/l	97
3) Chloromethane	1.14	50	378696	46.223	ug/l	97
4) Vinyl Chloride	1.19	62	378682	46.512	ug/l	97
5) Bromomethane	1.40	94	240742	51.849	ug/l	95
6) Chloroethane	1.44	64	152813	50.201	ug/l	90
7) Trichlorofluoromethane	1.56	101	618020	53.621	ug/l	96
8) Diethyl Ether	1.72	74	122751	54.132	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	377674	52.120	ug/l	94
10) Methyl Iodide	1.98	142	771721	53.115	ug/l	97
11) Tert butyl alcohol	2.69	59	93993	283.372	ug/l	95
12) 1,1-Dichloroethene	1.87	96	342827	52.102	ug/l	91
13) Acrolein	2.10	56	35114	265.500	ug/l	99
14) Allyl chloride	2.20	41	314970m	61.702	ug/l	
15) Acrylonitrile	3.10	53	261244	209.604	ug/l	# 95
16) Acetone	2.35	43	295580	235.861	ug/l	94
17) Carbon Disulfide	1.91	76	953706	49.591	ug/l	99
18) Methyl Acetate	2.46	43	112177	51.224	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	660487	55.405	ug/l	98
20) Methylene Chloride	2.34	84	372781m	60.000	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	360611	54.659	ug/l	97
22) Diisopropyl ether	2.94	45	715116	49.308	ug/l	97
23) Vinyl Acetate	3.35	43	2641465	266.041	ug/l	99
24) 1,1-Dichloroethane	3.02	63	570490	52.684	ug/l	98
25) 2-Butanone	4.52	43	710975	243.617	ug/l	99
26) 2,2-Dichloropropane	3.79	77	343935	55.939	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	608472	54.867	ug/l	99
28) Bromochloromethane	3.90	49	333269	56.581	ug/l	95
29) Tetrahydrofuran	4.27	42	321427	287.963	ug/l	98
30) Chloroform	4.05	83	795574	52.130	ug/l	97
31) Cyclohexane	3.88	56	721364	49.205	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	539060	60.667	ug/l	96
36) 1,1-Dichloropropene	4.48	75	625881	48.283	ug/l	99
37) Ethyl Acetate	4.31	43	263992	53.276	ug/l	92
38) Carbon Tetrachloride	4.19	117	481378	54.948	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	807223	50.035	ug/l	97
40) Benzene	4.83	78	1846446	48.943	ug/l	99
41) Methacrylonitrile	4.94	41	138586	50.309	ug/l	96
42) 1,2-Dichloroethane	5.14	62	367870	51.270	ug/l	98
43) Isopropyl Acetate	7.12	43	334202	51.056	ug/l	93
44) Trichloroethene	5.69	130	528096	49.600	ug/l	95
45) 1,2-Dichloropropane	6.41	63	485590	51.292	ug/l	97
46) Dibromomethane	6.26	93	290055	52.476	ug/l	91
47) Bromodichloromethane	6.56	83	566742	50.346	ug/l	99
48) Methyl methacrylate	6.88	41	181413	53.776	ug/l	94
49) 1,4-Dioxane	6.87	88	49087	1103.914	ug/l #	86
51) 4-Methyl-2-Pentanone	8.41	43	1271901	272.162	ug/l	99
52) Toluene	7.79	92	1031286	50.753	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	494043	52.964	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	680918	50.429	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	331075	54.539	ug/l	98
56) Ethyl methacrylate	8.76	69	360814	55.395	ug/l	98
57) 1,3-Dichloropropane	9.00	76	550872	55.570	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	643232	282.568	ug/l	97
59) 2-Hexanone	9.62	43	871420	261.610	ug/l	99
60) Dibromochloromethane	8.86	129	421130	56.034	ug/l	100
61) 1,2-Dibromoethane	9.14	107	351166	55.700	ug/l	97
64) Tetrachloroethene	8.31	164	458131	52.008	ug/l	99
65) Chlorobenzene	9.94	112	1110580	50.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	439795	49.884	ug/l	100
67) Ethyl Benzene	10.04	91	1879482	49.475	ug/l	98
68) m/p-Xylenes	10.26	106	1407568	96.827	ug/l	99
69) o-Xylene	10.81	106	773456	52.551	ug/l	98
70) Styrene	10.89	104	1124171	51.820	ug/l	100
71) Bromoform	10.88	173	234646	55.480	ug/l	98
73) Isopropylbenzene	11.22	105	2029127	51.794	ug/l	99
74) N-amyl acetate	11.44	43	550464	49.853	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	434899	51.982	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	284142	51.236	ug/l	90
77) Bromobenzene	11.58	156	495067	50.293	ug/l	95
78) n-propylbenzene	11.67	91	2280167	48.203	ug/l	97
79) 2-Chlorotoluene	11.80	91	1299327	48.004	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	1543319	48.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	127244m	54.195	ug/l	
82) 4-Chlorotoluene	11.97	91	1326081	49.853	ug/l	96
83) tert-Butylbenzene	12.19	119	1542553	48.590	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	1488313	48.995	ug/l	99
85) sec-Butylbenzene	12.37	105	2064726	49.358	ug/l	99
86) p-Isopropyltoluene	12.52	119	1668126	47.908	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	842520	48.532	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	806002	49.749	ug/l	97
89) n-Butylbenzene	12.89	91	1622465	46.323	ug/l	96
90) Hexachloroethane	12.97	117	427124	50.296	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	772215	50.608	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.68	75	51560	56.567	ug/l	75

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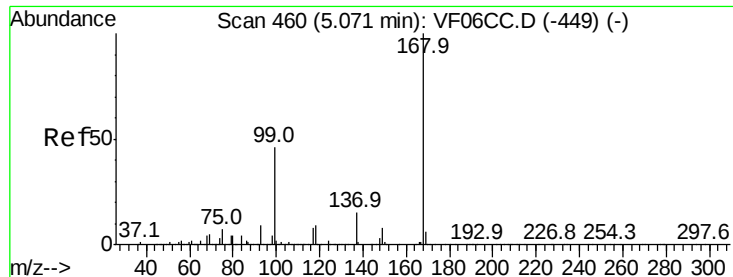
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	495168	47.263	µg/l	96
94) Hexachlorobutadiene	14.22	225	332919	45.933	µg/l	98
95) Naphthalene	14.49	128	885810	51.608	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	475889	49.761	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

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Acq: 4 Jun 2019 23:46

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 791807

Ion Ratio Lower Upper

168 100

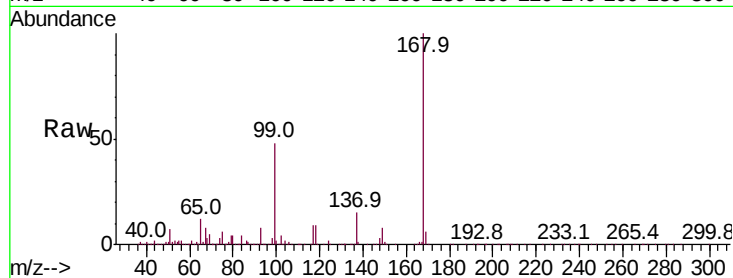
99 47.8 39.1 58.7

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

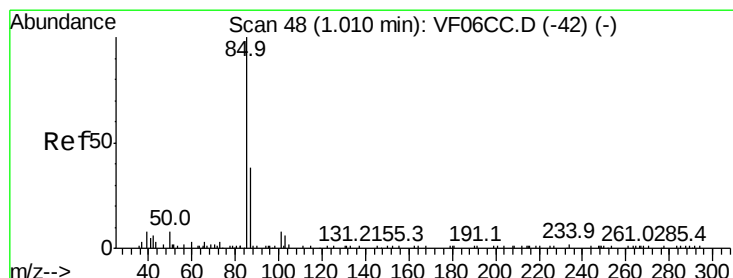
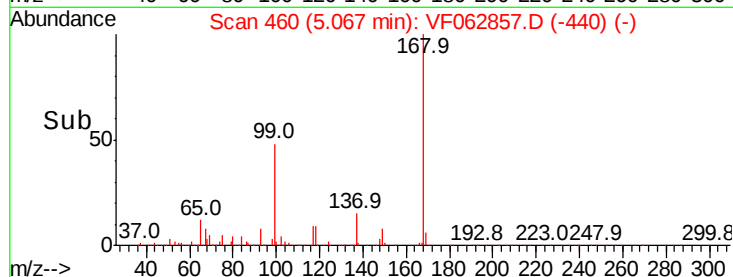
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.904 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062857.D

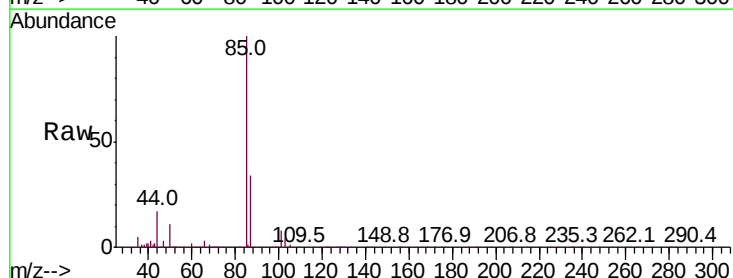
Acq: 4 Jun 2019 23:46

Tgt Ion: 85 Resp: 430802

Ion Ratio Lower Upper

85 100

87 33.6 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

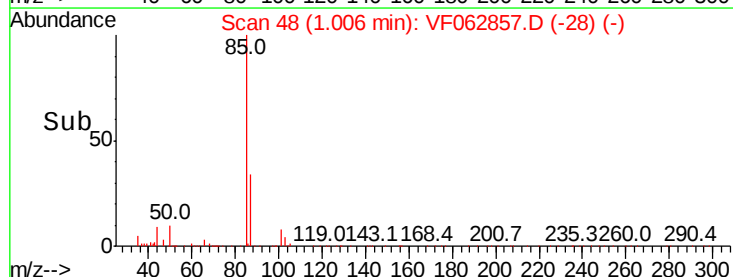
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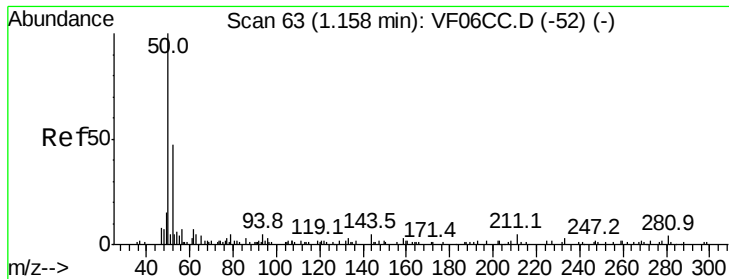
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.223 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 378696

Ion Ratio Lower Upper

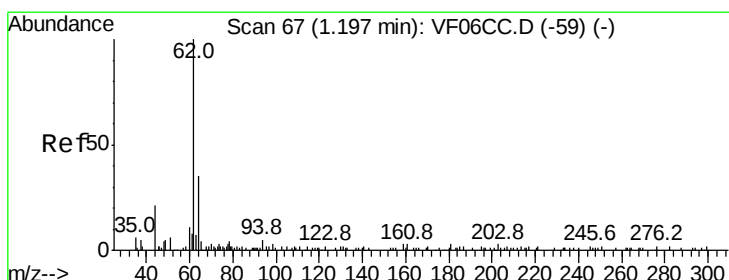
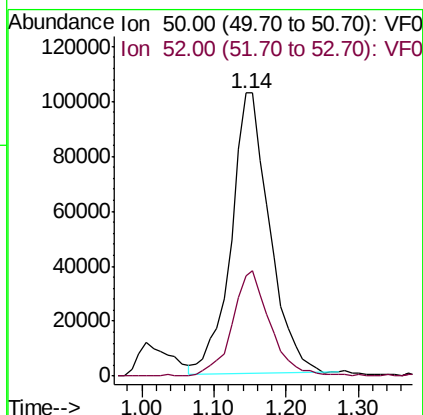
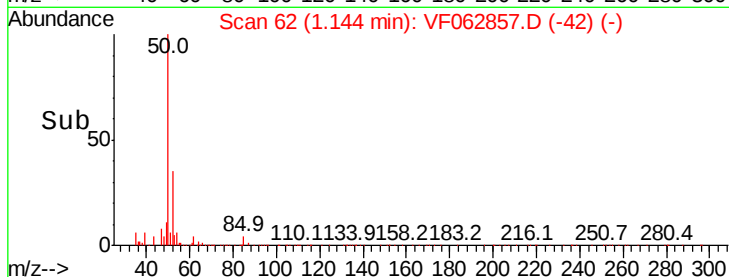
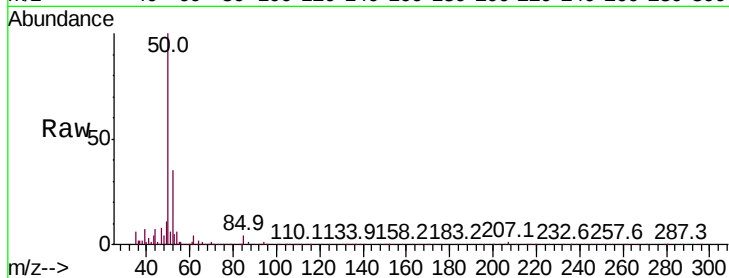
50 100

52 35.4 27.0 40.4

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#4

Vinyl Chloride

Concen: 46.512 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062857.D

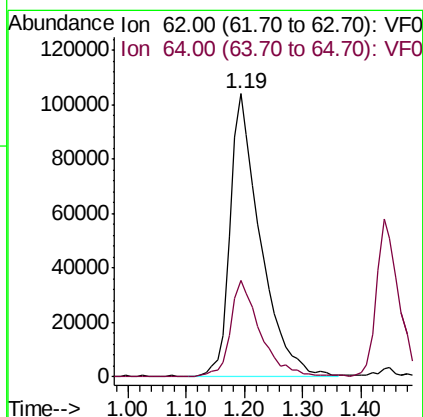
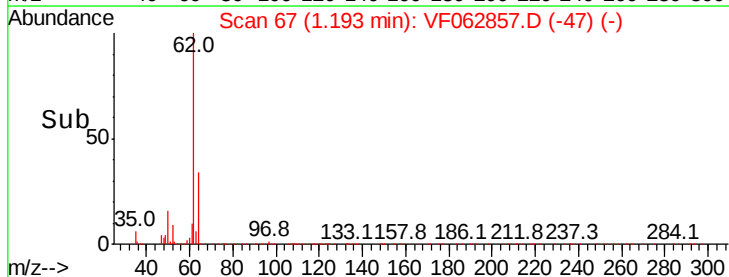
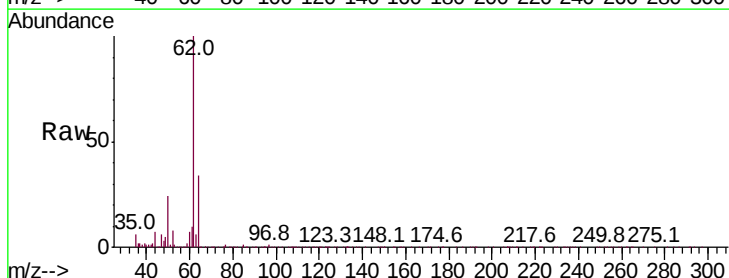
Acq: 4 Jun 2019 23:46

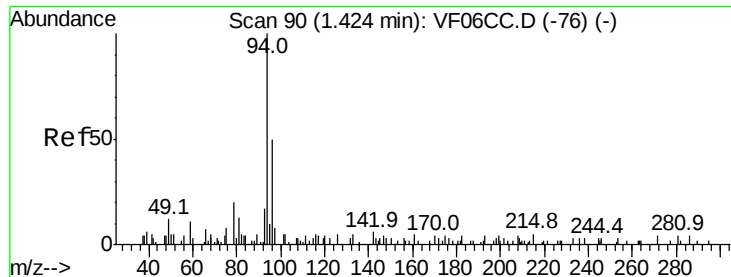
Tgt Ion: 62 Resp: 378682

Ion Ratio Lower Upper

62 100

64 34.2 26.2 39.2





#5

Bromomethane

Concen: 51.849 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 240742

Ion Ratio Lower Upper

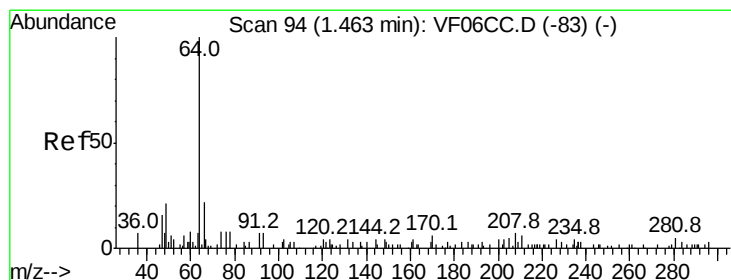
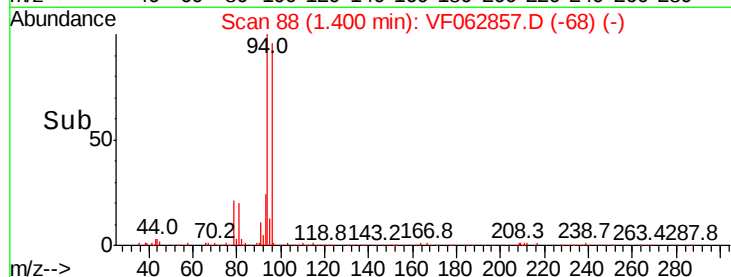
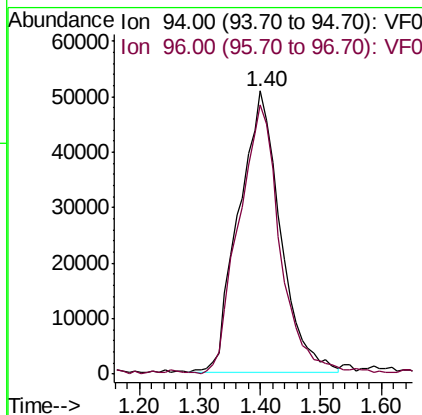
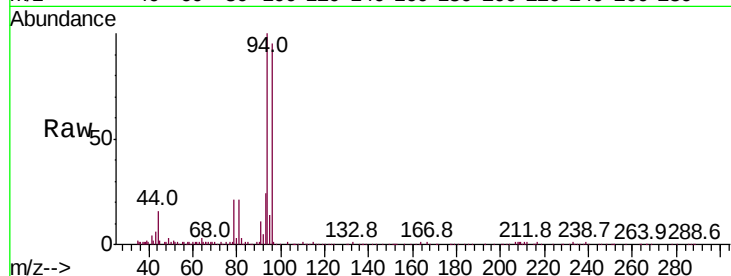
94 100

96 96.6 73.8 110.6

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#6

Chloroethane

Concen: 50.201 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.03 min

Lab File: VF062857.D

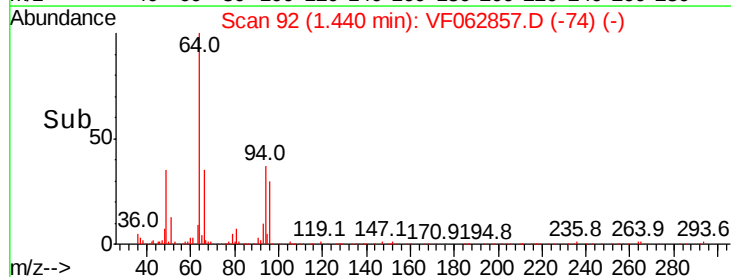
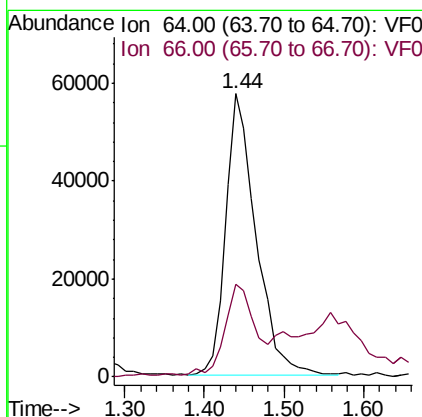
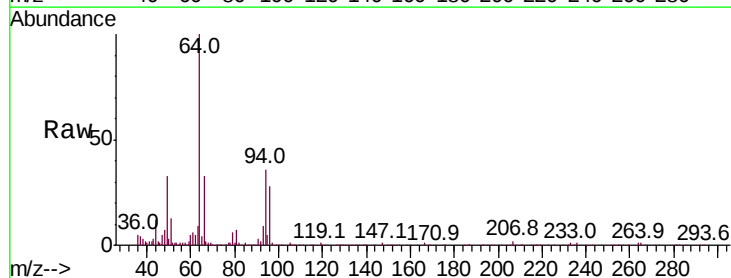
Acq: 4 Jun 2019 23:46

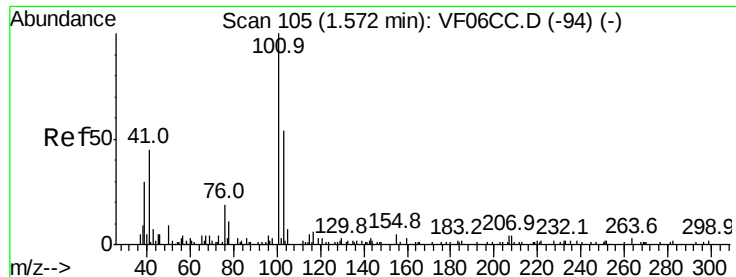
Tgt Ion: 64 Resp: 152813

Ion Ratio Lower Upper

64 100

66 32.6 31.0 46.4





#7

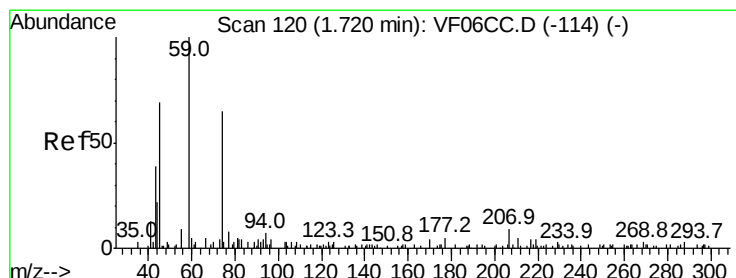
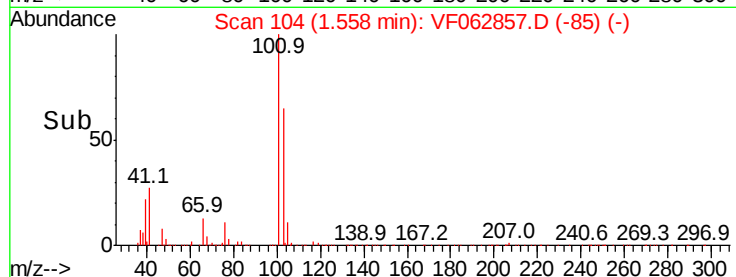
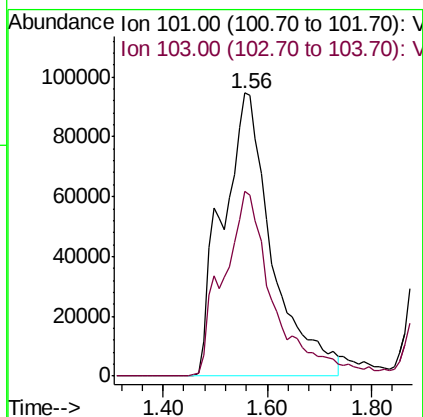
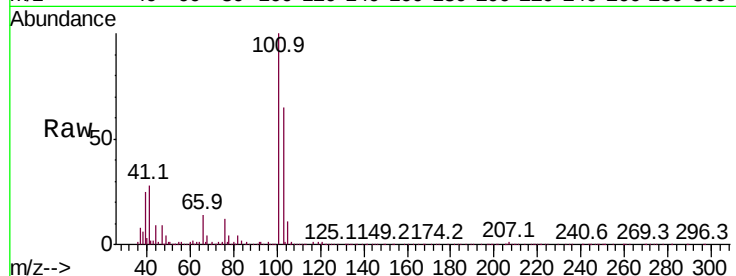
Trichlorofluoromethane
Concen: 53.621 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 618020
Ion Ratio Lower Upper
101 100
103 65.3 54.6 82.0

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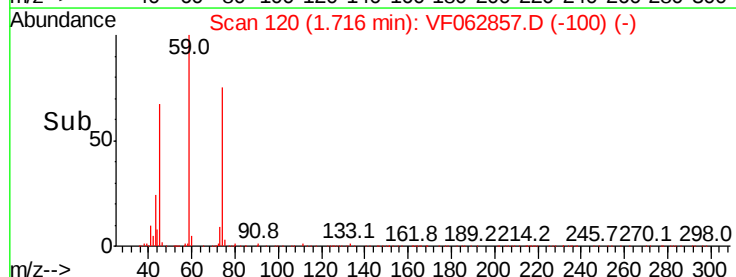
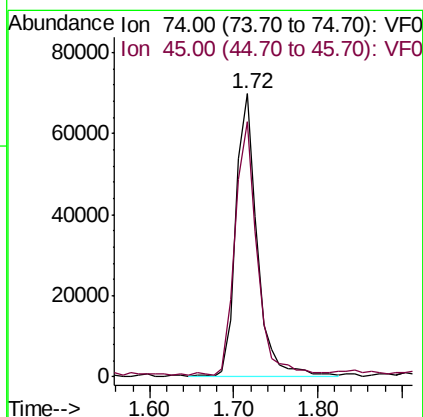
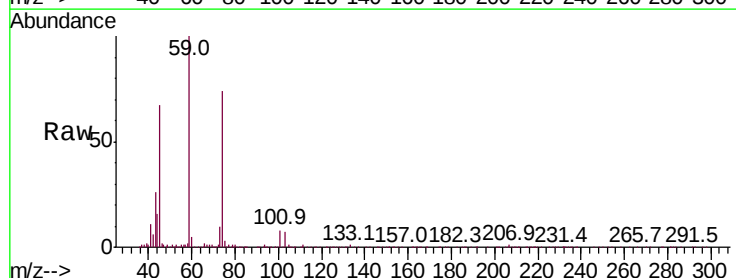
MMDadoda
6/6/2019 8:49:01 AM

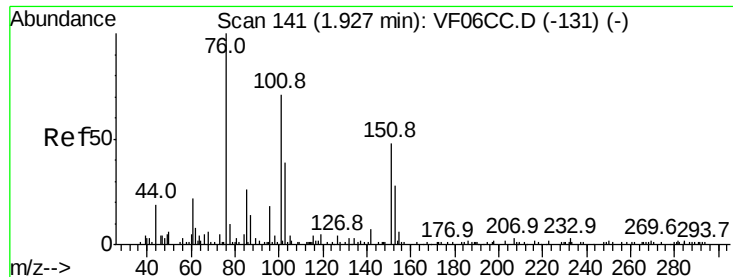


#8

Diethyl Ether
Concen: 54.132 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 74 Resp: 122751
Ion Ratio Lower Upper
74 100
45 90.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.120 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.04 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

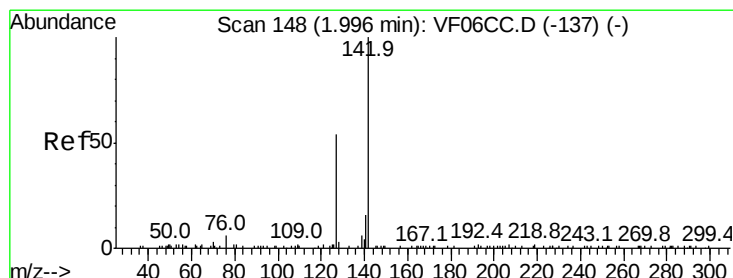
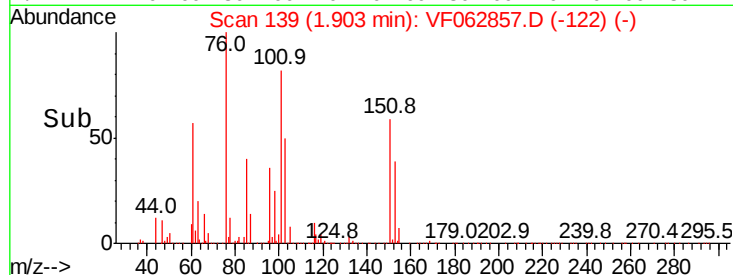
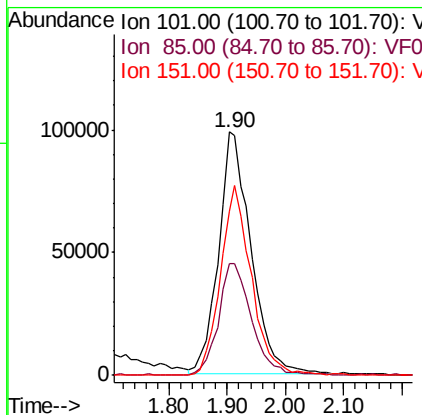
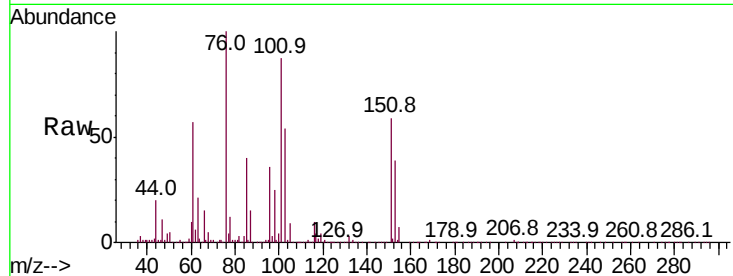
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	377674
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.1	55.7
151	67.4	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.115 ug/l

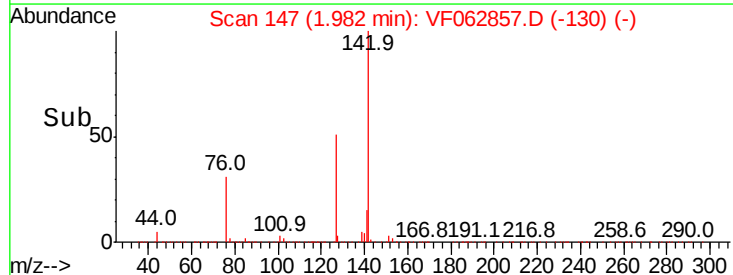
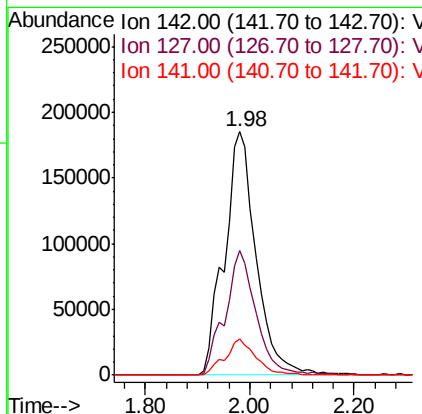
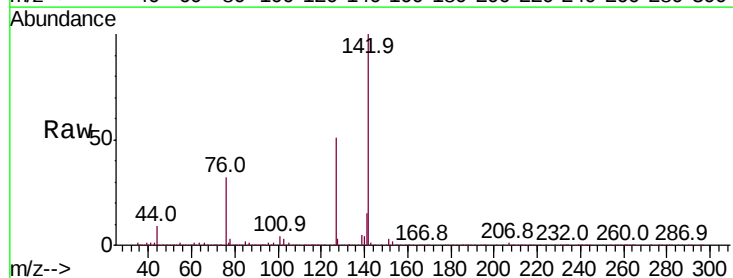
RT: 1.98 min Scan# 147

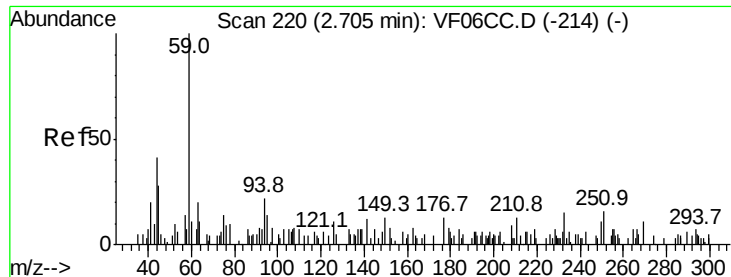
Delta R.T. -0.04 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	142	Resp:	771721
Ion Ratio	Lower	Upper	
142	100		
127	50.9	39.4	59.2
141	14.8	10.6	15.8





#11

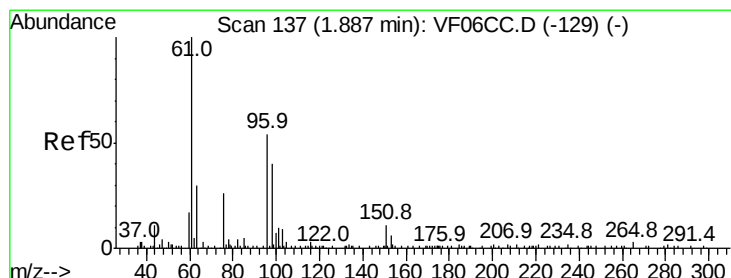
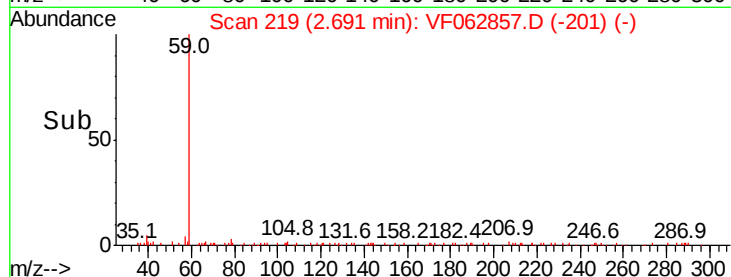
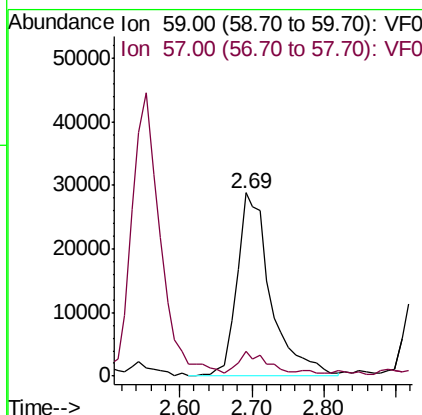
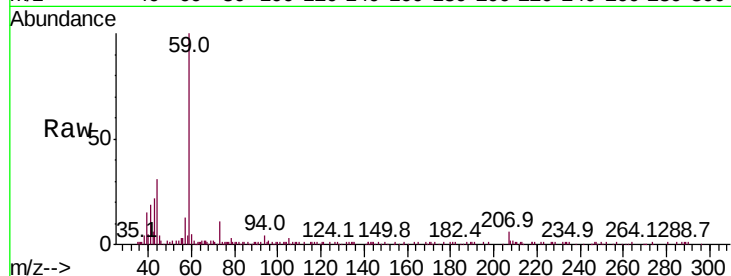
Tert butyl alcohol
Concen: 283.372 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	9.2	13.8

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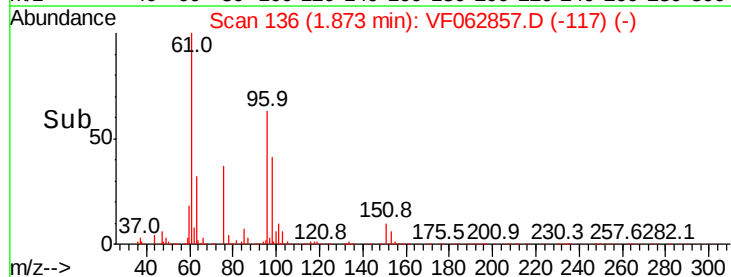
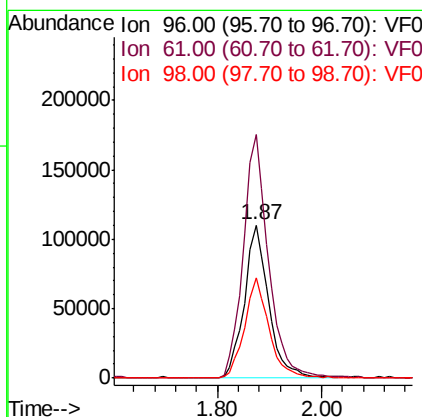
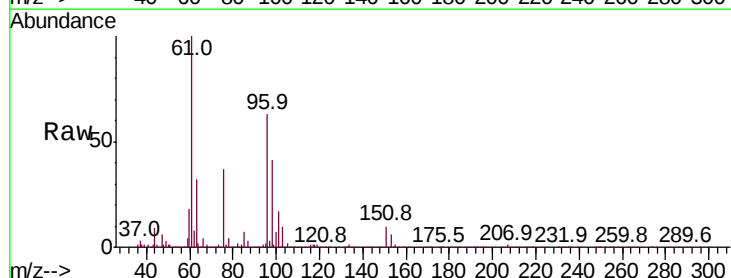
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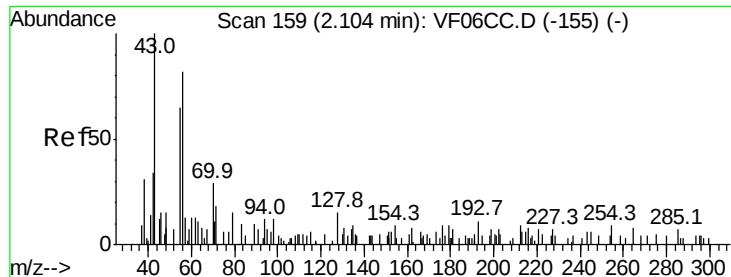


#12

1,1-Dichloroethene
Concen: 52.102 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	139.4	209.2
98	65.9	50.3	75.5





#13

Acrolein

Concen: 265.500 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35114

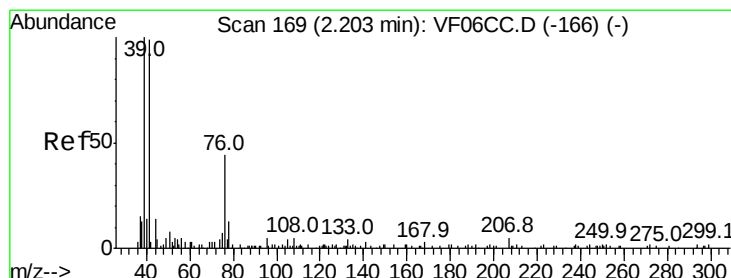
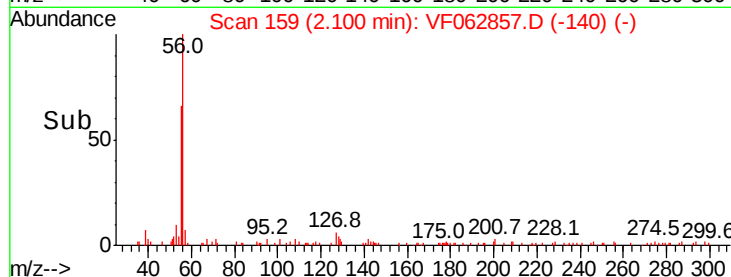
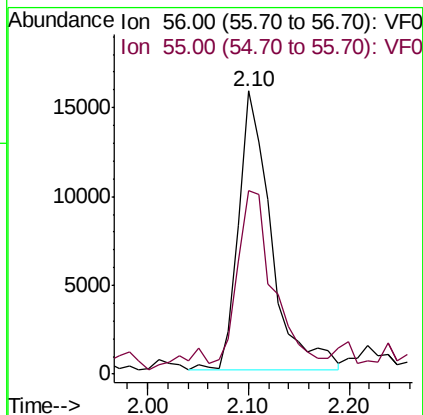
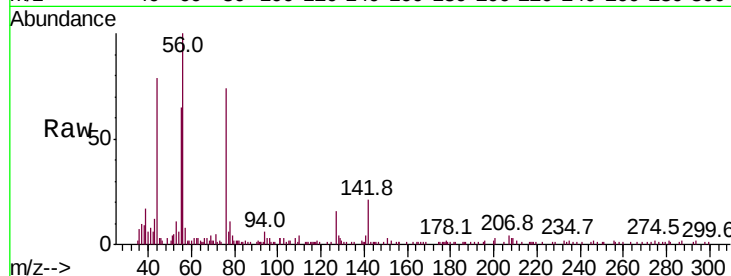
Ion Ratio Lower Upper

56 100

55 65.1 52.9 79.3

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#14

Allyl chloride

Concen: 61.702 ug/l m

RT: 2.20 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

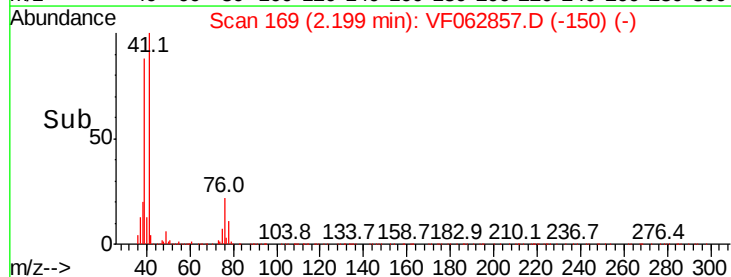
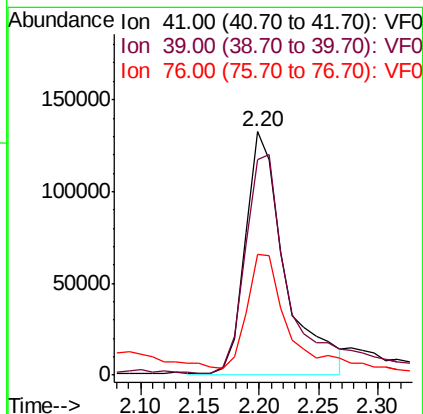
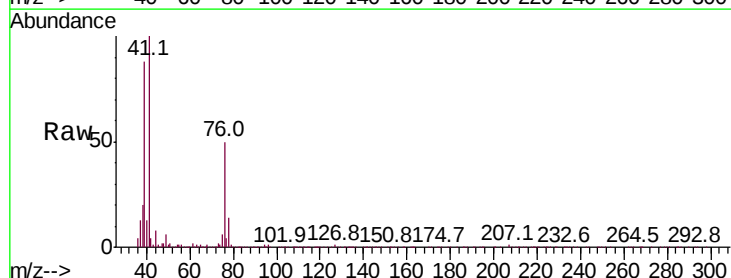
Tgt Ion: 41 Resp: 314970

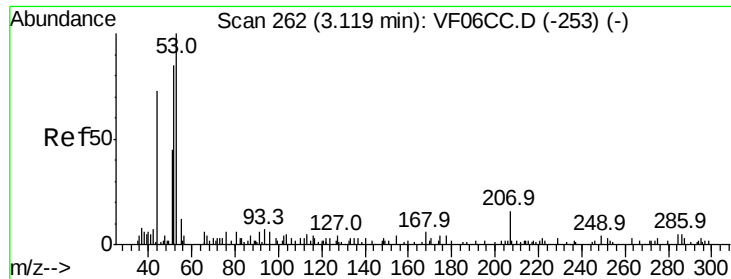
Ion Ratio Lower Upper

41 100

39 88.3 71.9 107.9

76 49.7 39.6 59.4





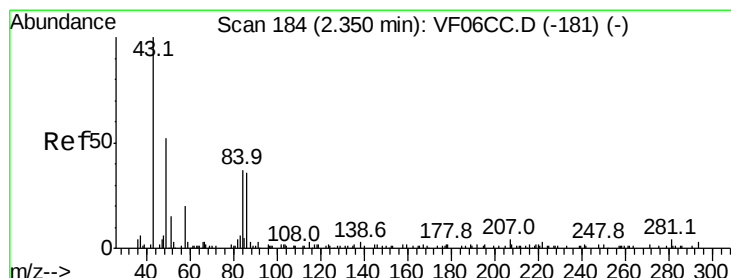
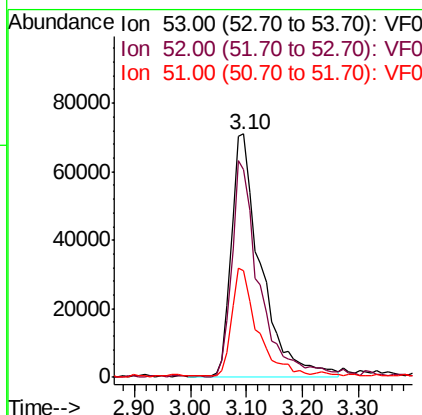
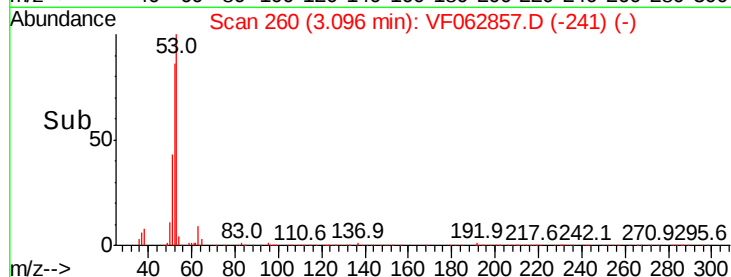
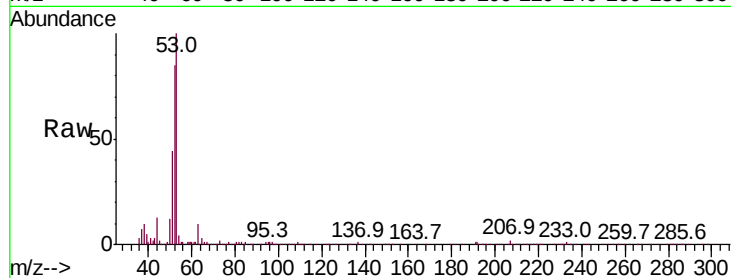
#15
 Acrylonitrile
 Concen: 209.604 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.2	68.1	102.1
51	43.6	27.7	41.5#

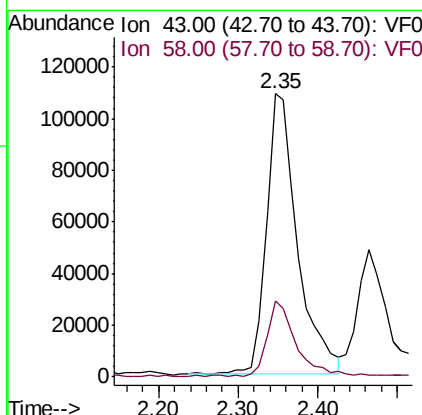
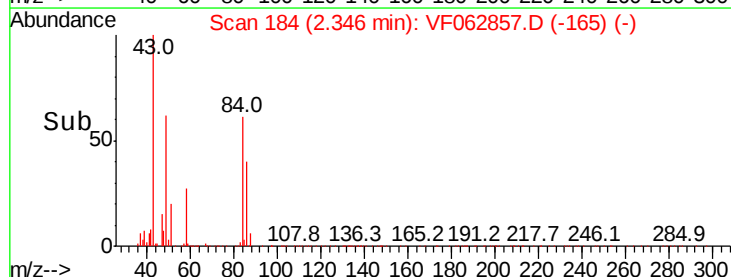
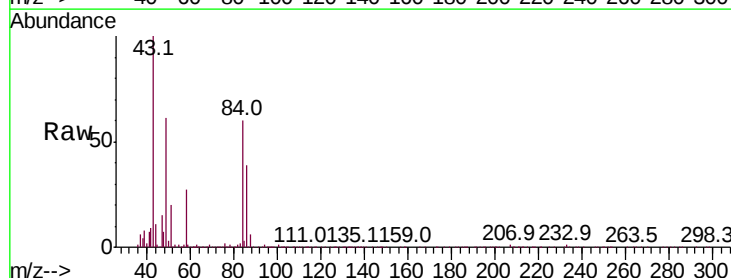
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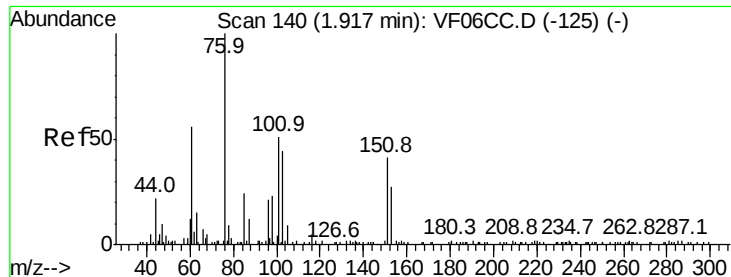
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#16
 Acetone
 Concen: 235.861 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	19.0	28.4





#17

Carbon Disulfide

Concen: 49.591 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 953706

Ion Ratio Lower Upper

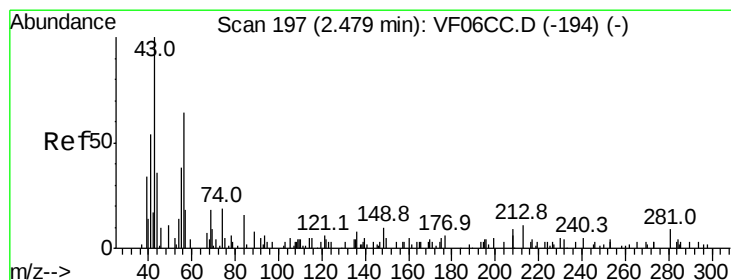
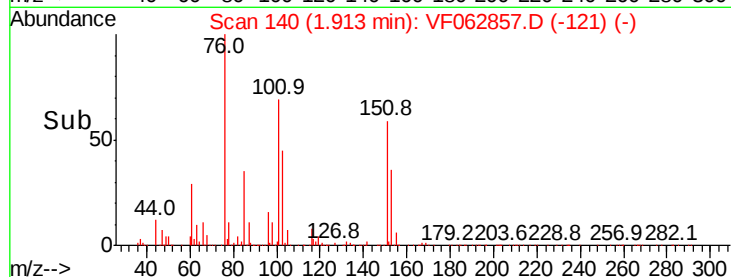
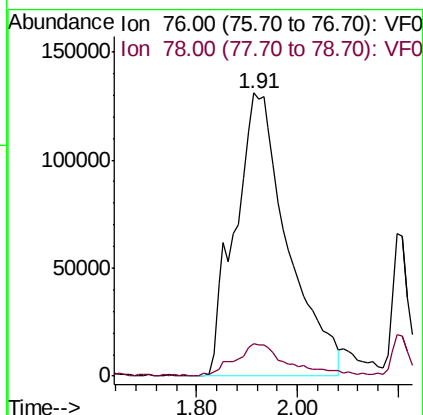
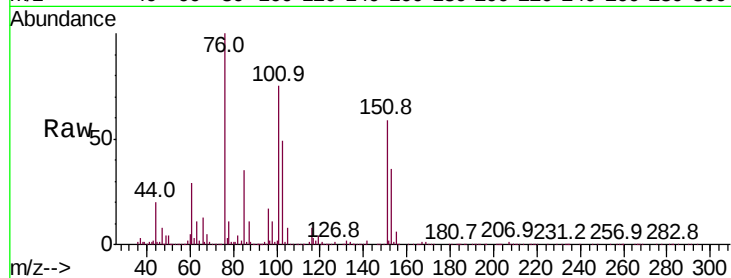
76 100

78 11.3 9.4 14.2

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#18

Methyl Acetate

Concen: 51.224 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062857.D

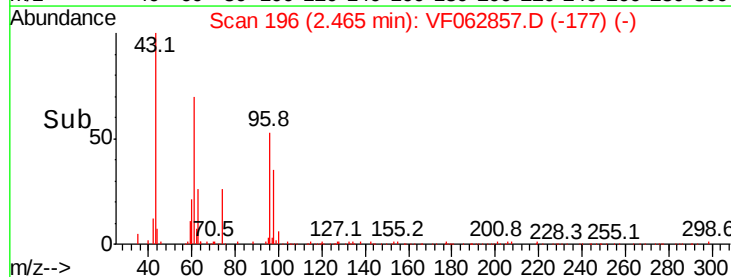
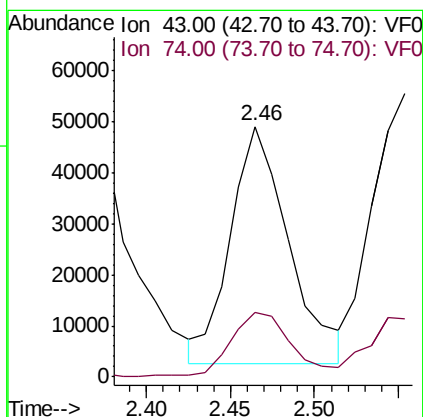
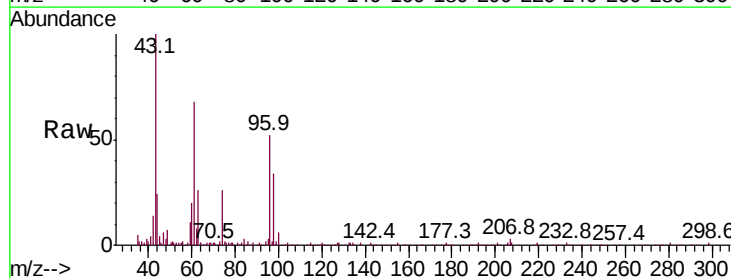
Acq: 4 Jun 2019 23:46

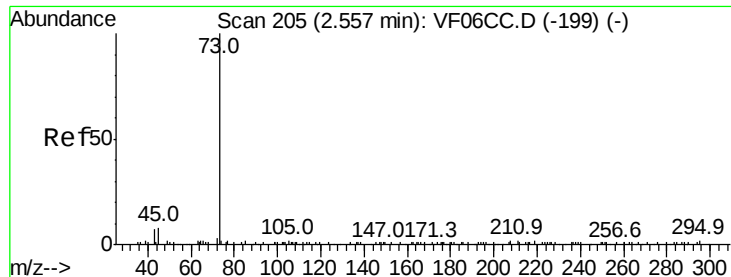
Tgt Ion: 43 Resp: 112177

Ion Ratio Lower Upper

43 100

74 25.9 22.1 33.1





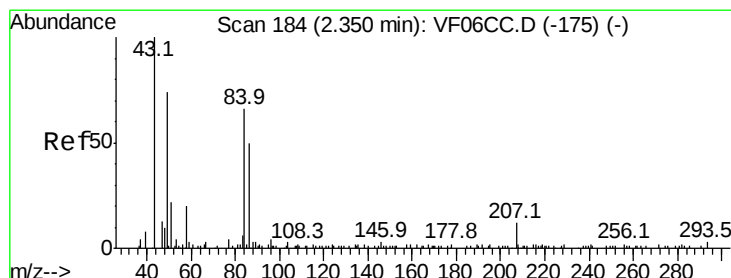
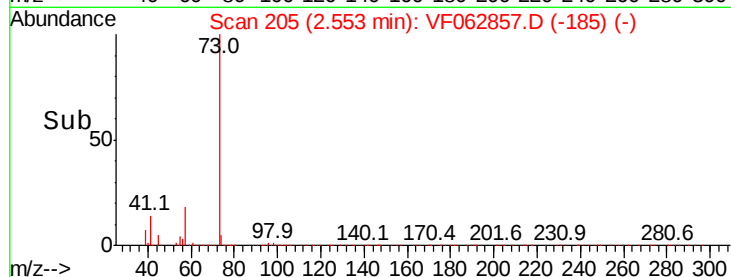
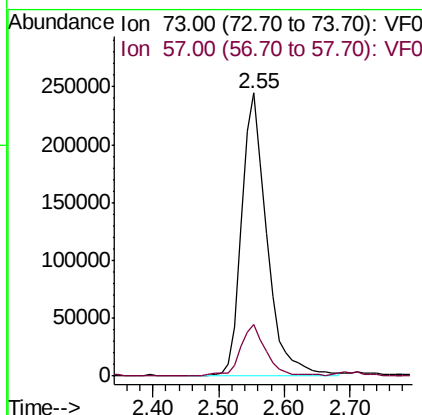
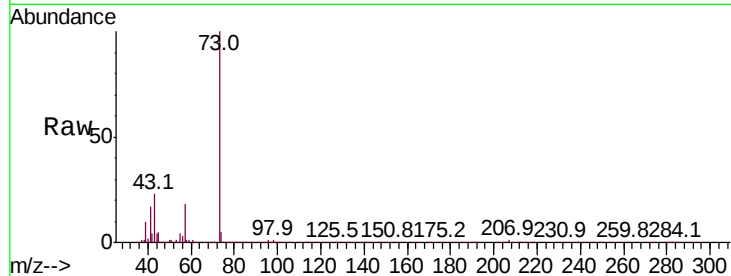
#19
Methvl tert-butvl Ether
Concen: 55.405 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	15.1	22.7

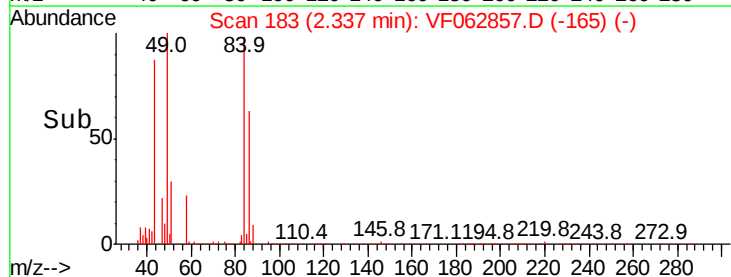
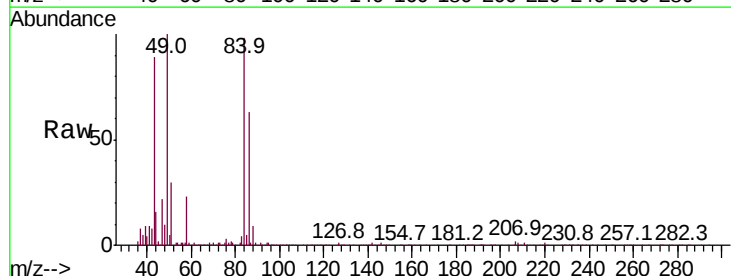
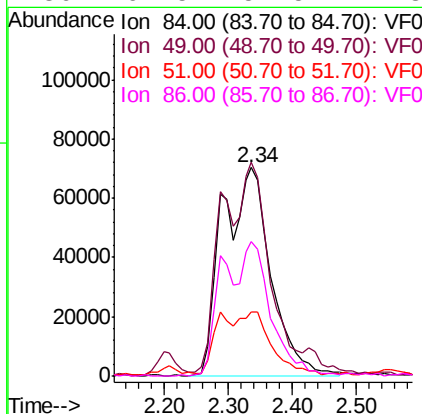
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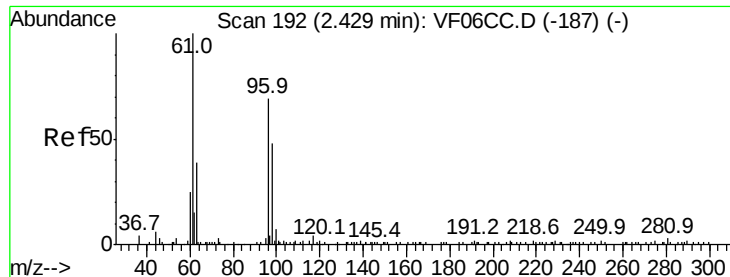
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#20
Methylene Chloride
Concen: 60.000 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.5	82.6	123.8
51	30.7	25.0	37.4
86	64.5	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 54.659 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

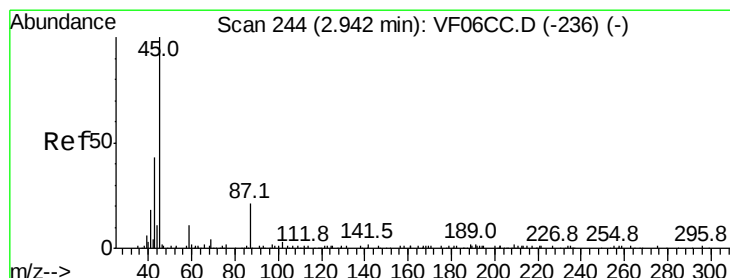
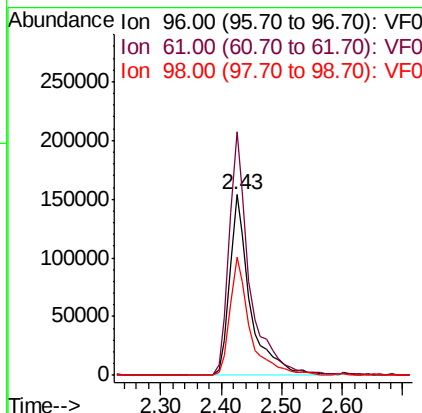
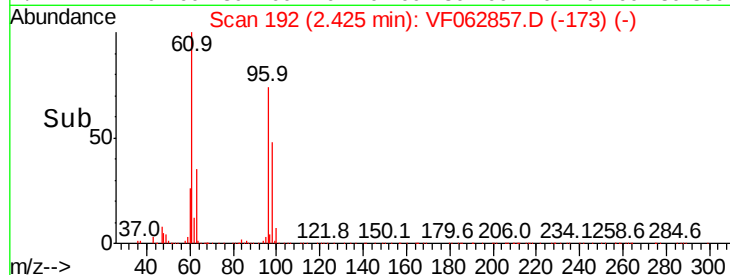
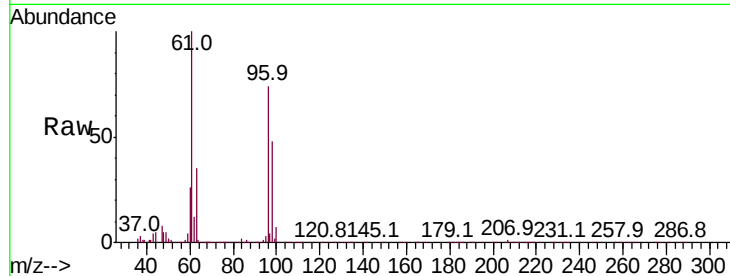
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	360611
Ion	Ratio	Lower	Upper
96	100		
61	134.7	105.0	157.6
98	65.2	51.1	76.7

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#22

Diisopropyl ether

Concen: 49.308 ug/l

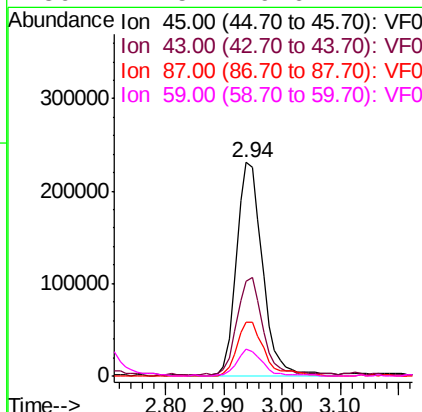
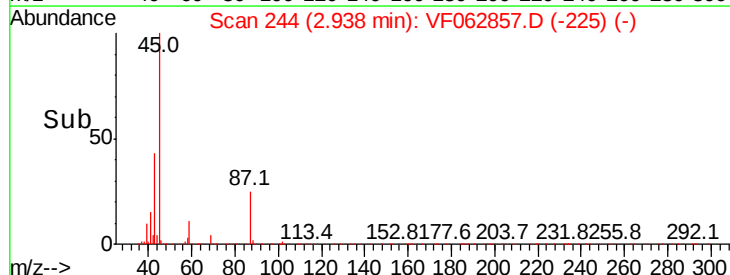
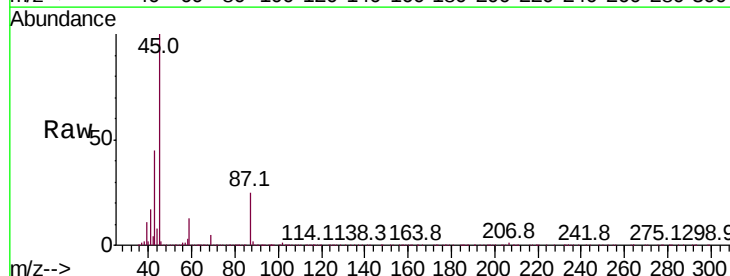
RT: 2.94 min Scan# 244

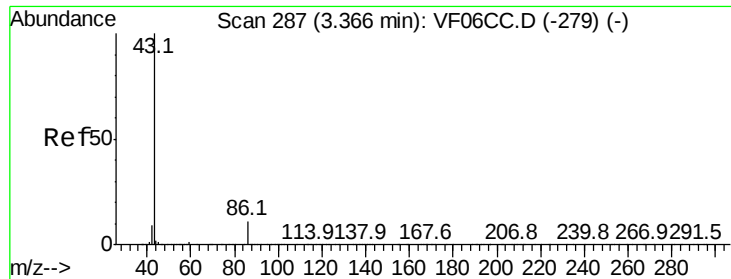
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	45	Resp:	715116
Ion	Ratio	Lower	Upper
45	100		
43	44.6	34.3	51.5
87	25.4	19.0	28.4
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 266.041 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

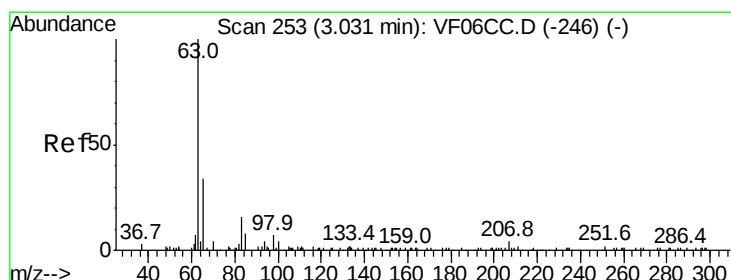
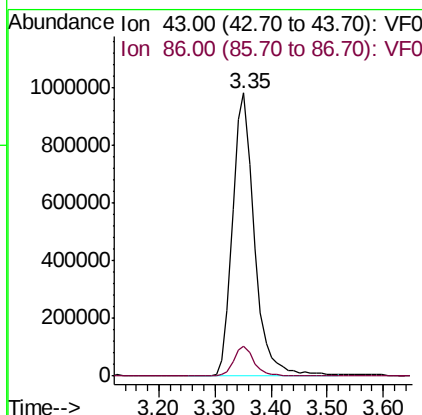
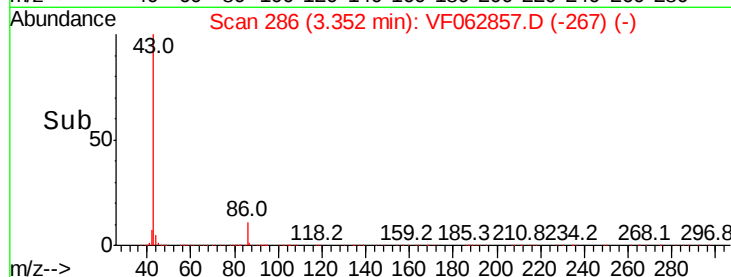
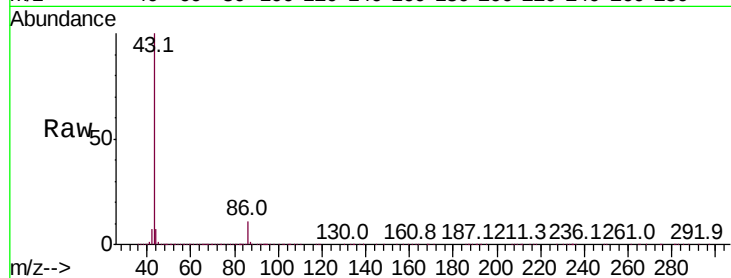
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2641465

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

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#24

1,1-Dichloroethane

Concen: 52.684 ug/l

RT: 3.02 min Scan# 252

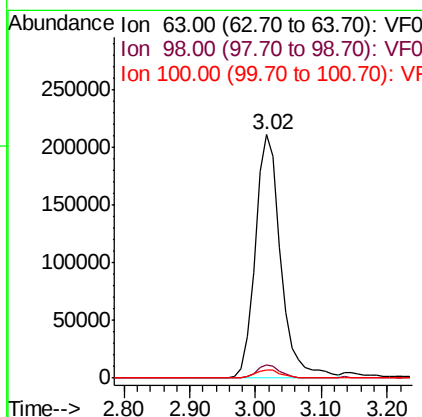
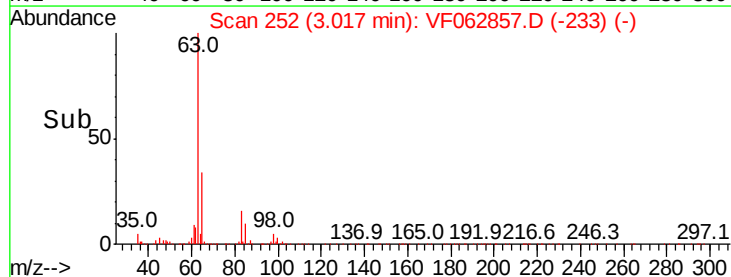
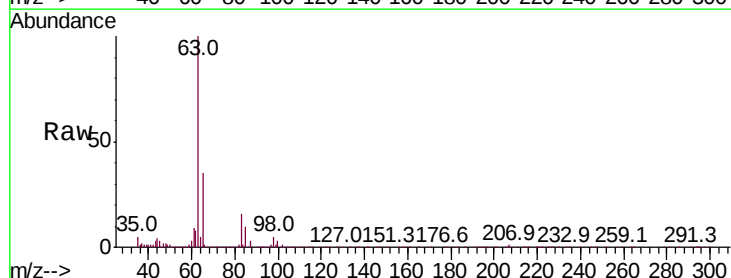
Delta R.T. -0.02 min

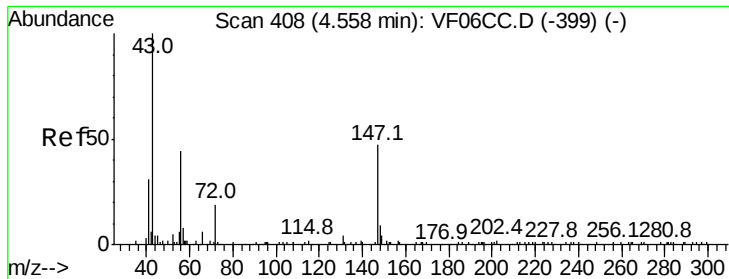
Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion: 63 Resp: 570490

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.4	7.1
100	3.4	1.5	4.5





#25

2-Butanone

Concen: 243.617 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 710975

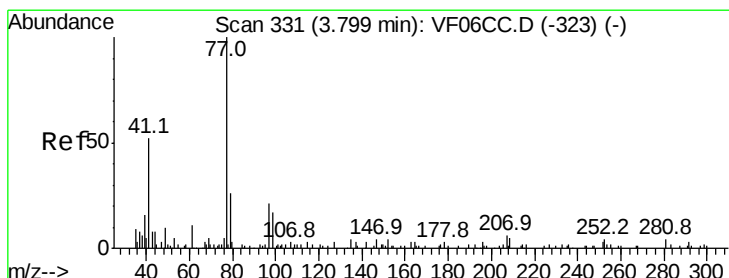
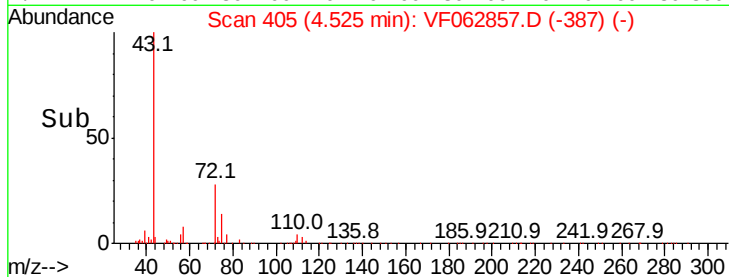
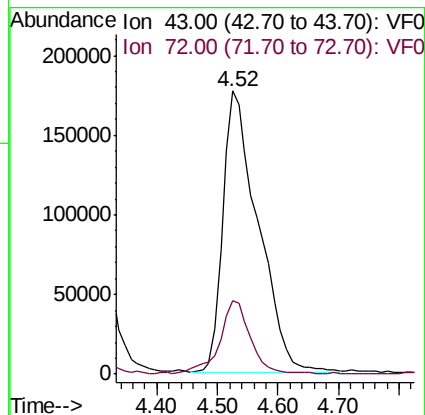
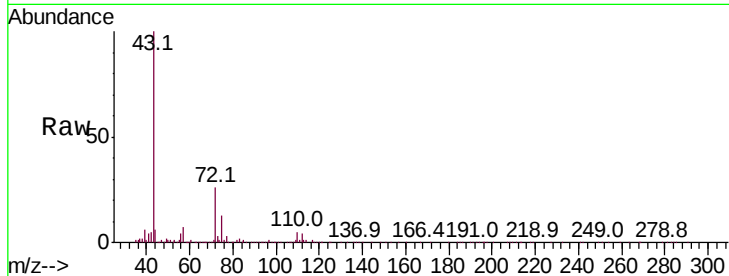
Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 55.939 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.02 min

Lab File: VF062857.D

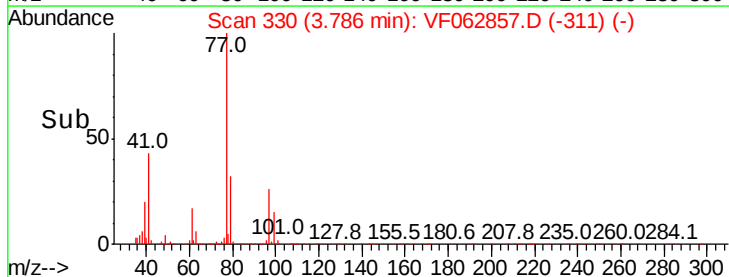
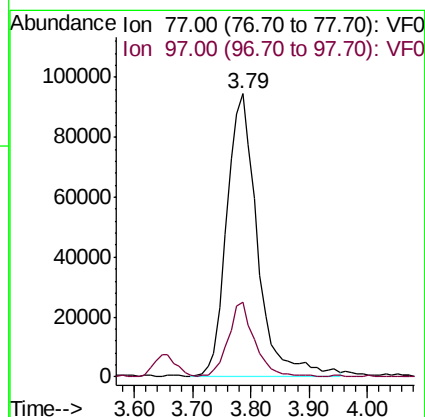
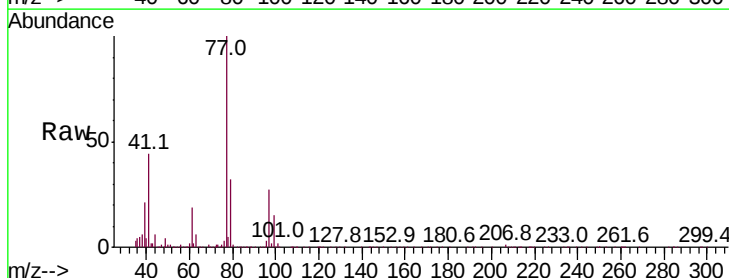
Acq: 4 Jun 2019 23:46

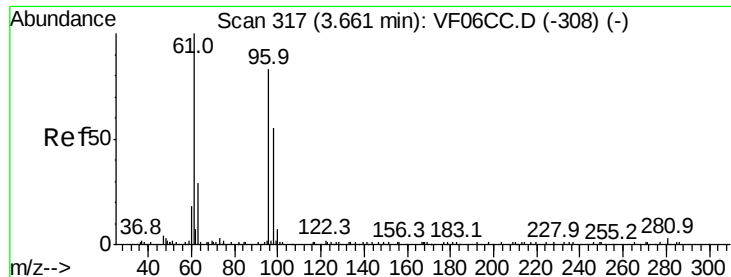
Tgt Ion: 77 Resp: 343935

Ion Ratio Lower Upper

77 100

97 26.5 12.4 37.4





#27

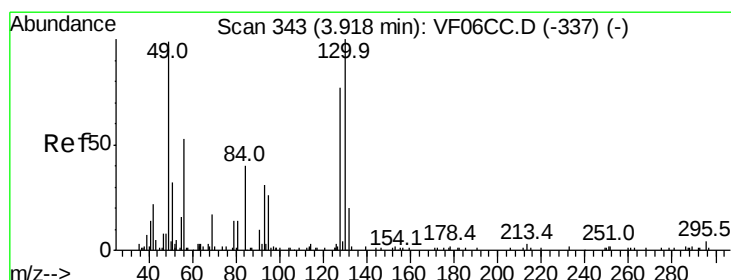
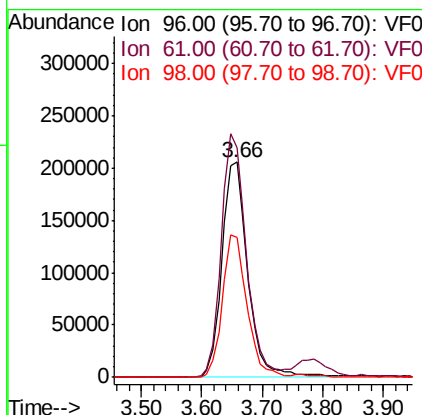
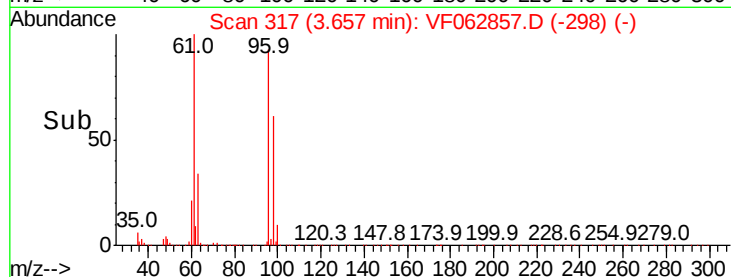
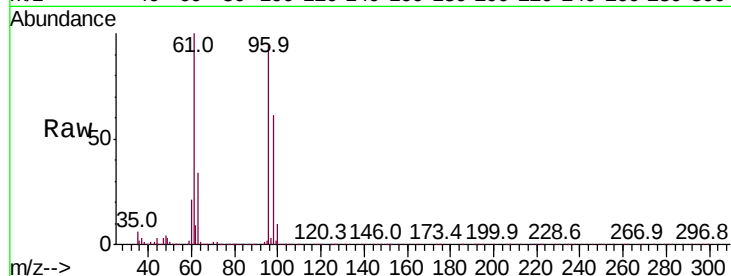
cis-1,2-Dichloroethene
Concen: 54.867 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	106.8	0.0	213.8
98	65.0	0.0	127.0

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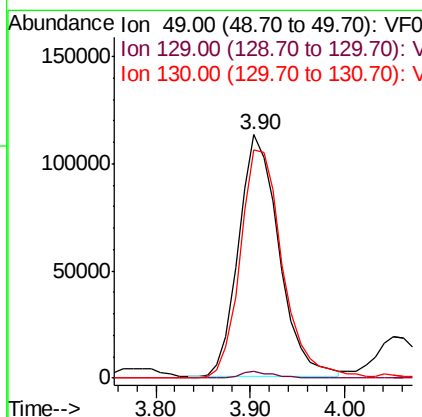
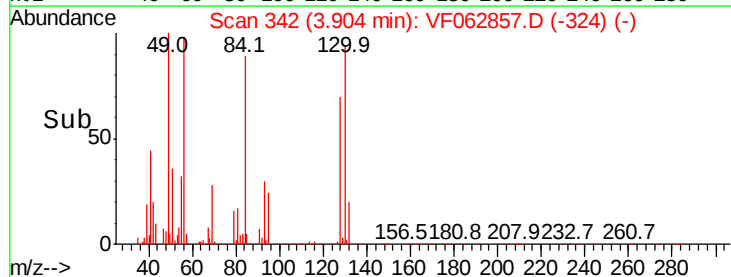
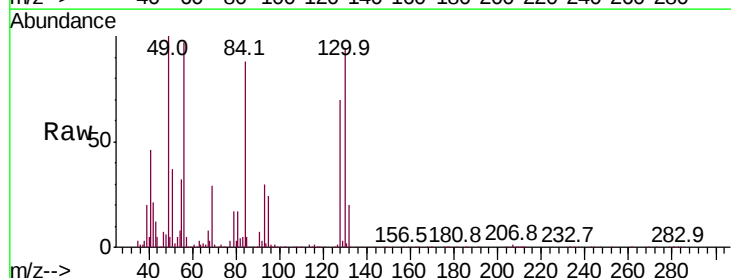
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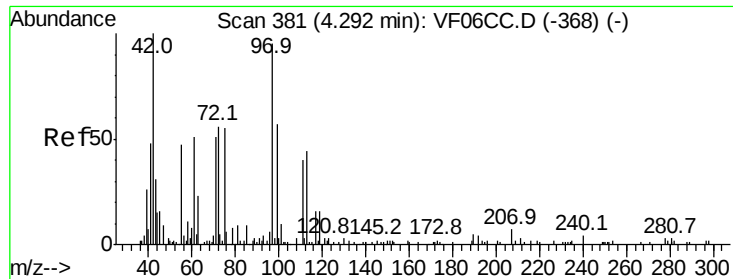


#28

Bromochloromethane
Concen: 56.581 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.5	79.2	118.8





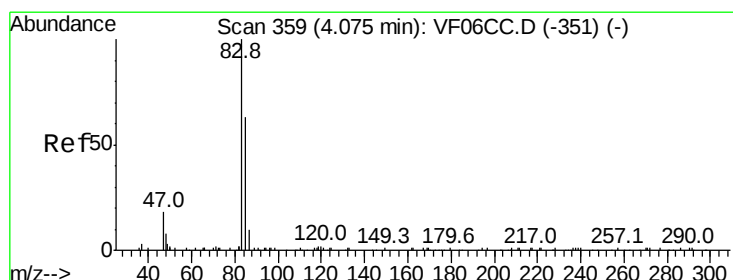
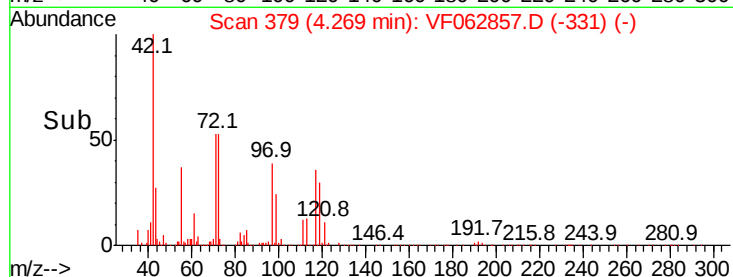
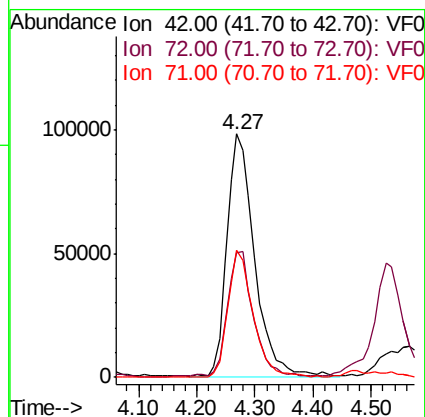
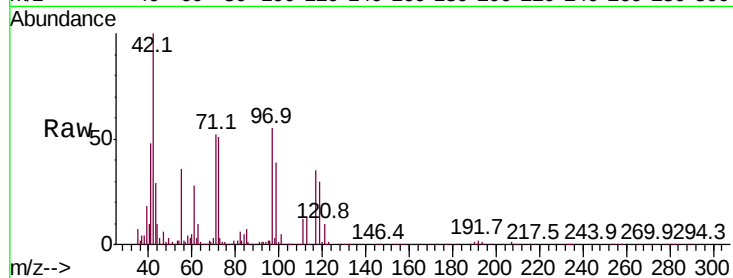
#29
Tetrahydrofuran
Concen: 287.963 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	321427		
72	49.9		39.0	58.6
71	48.4		36.9	55.3

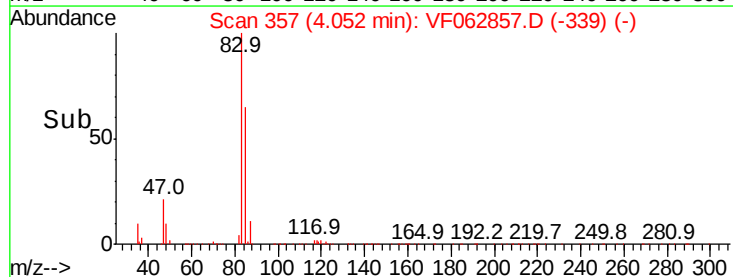
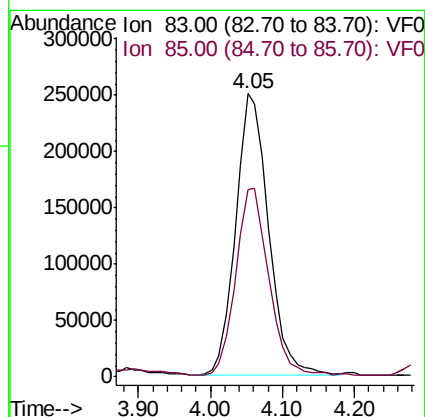
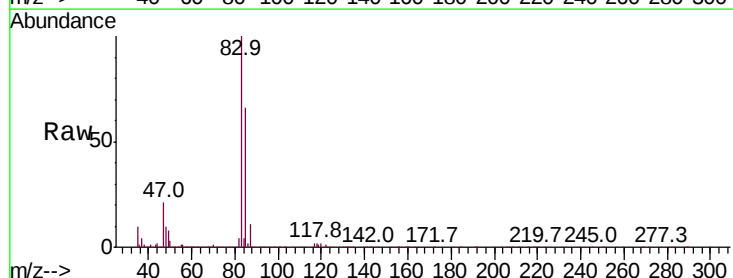
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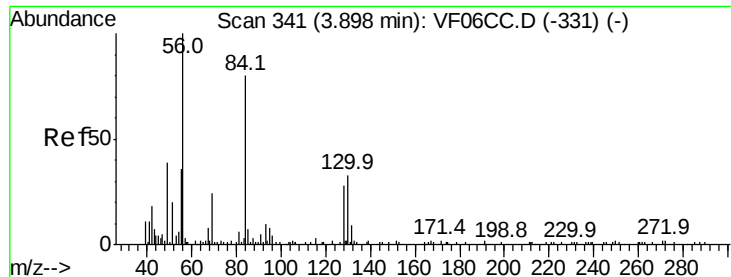
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#30
Chloroform
Concen: 52.130 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	795574		
85	66.2		55.0	82.6





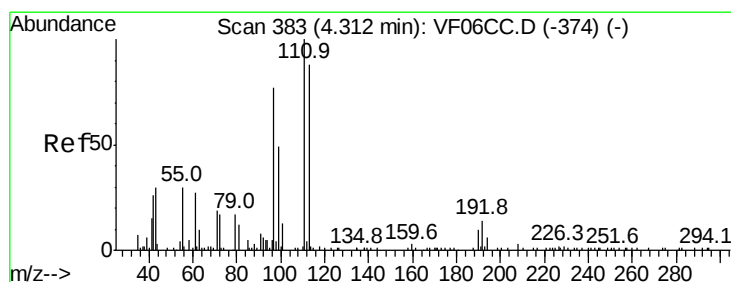
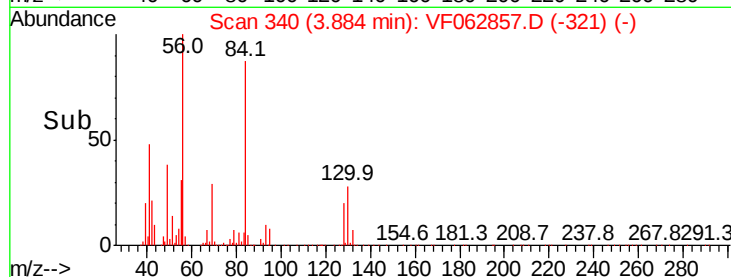
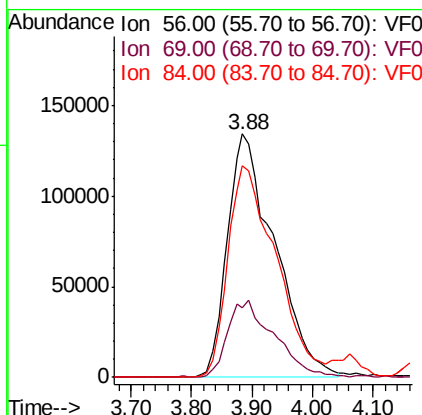
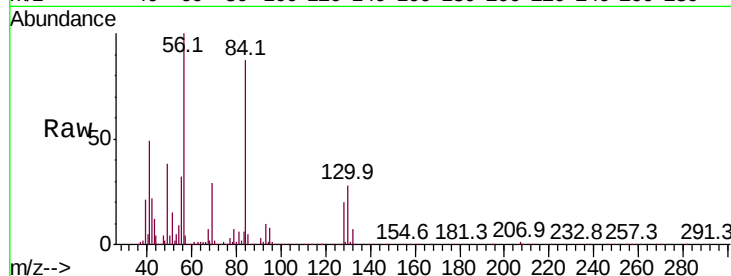
#31
Cyclohexane
Concen: 49.205 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	26.7	40.1
84	87.2	74.3	111.5

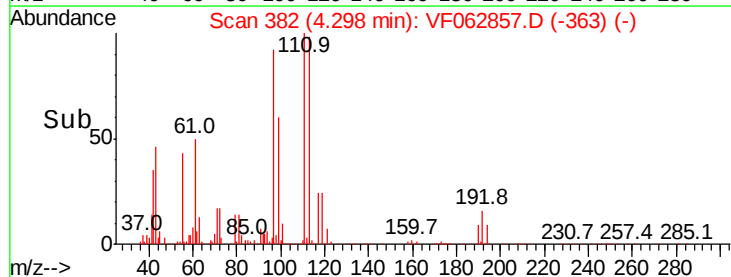
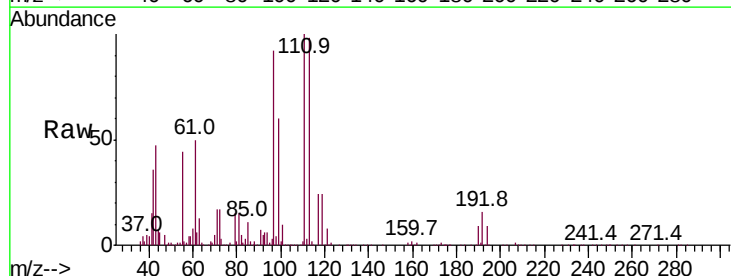
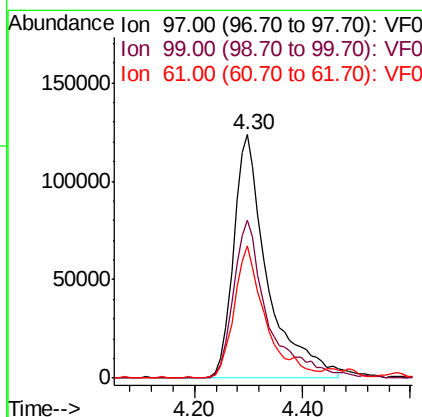
Manual Integrations
APPROVED

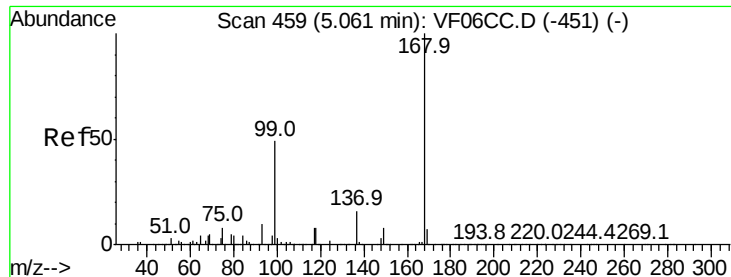
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#32
1,1,1-Trichloroethane
Concen: 60.667 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	54.6	38.9	58.3





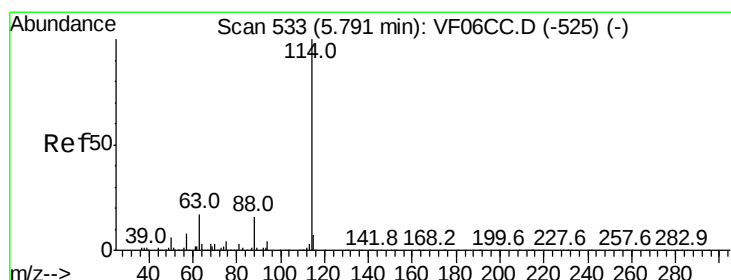
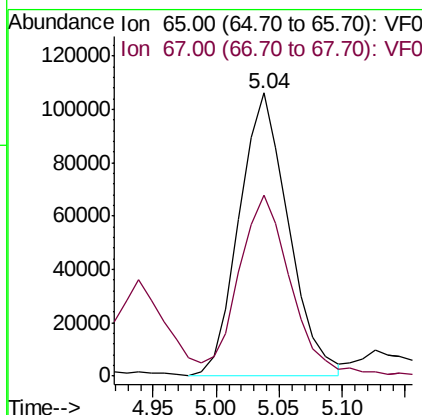
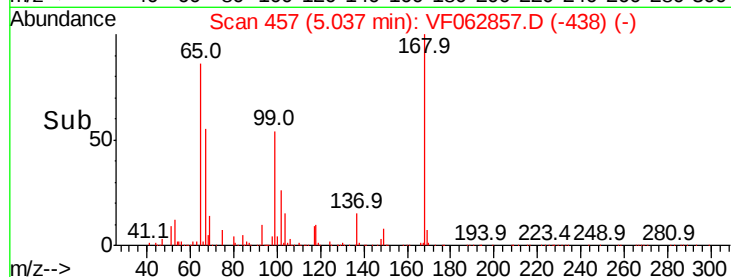
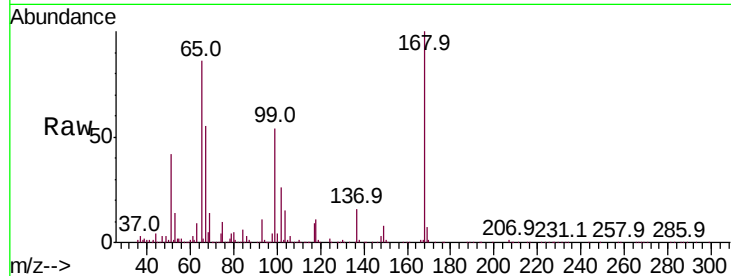
#33
 1,2-Dichloroethane-d4
 Concen: 52.229 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	63.8	0.0	121.2	

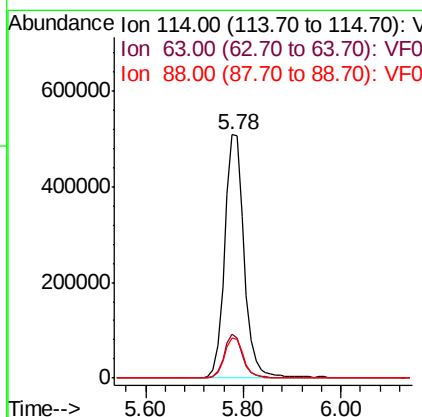
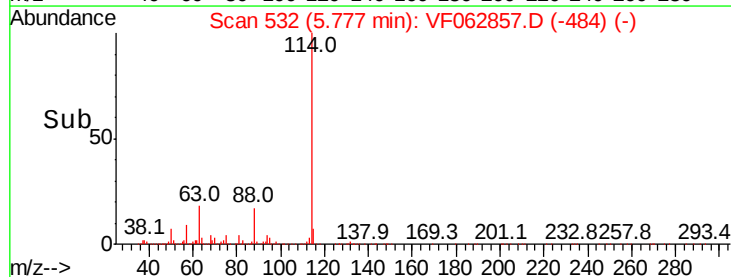
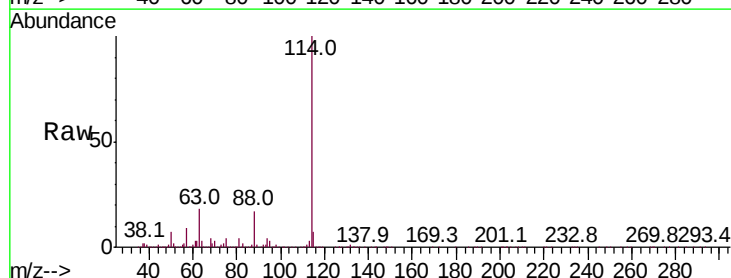
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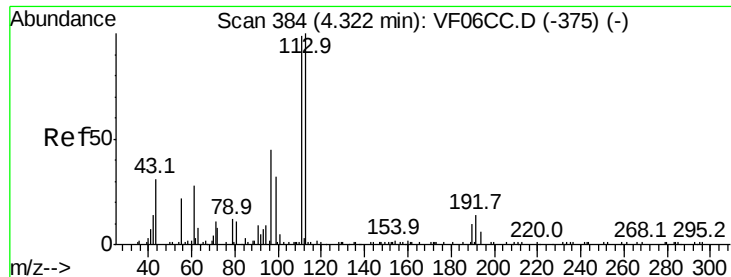
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	34.2	
88	16.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

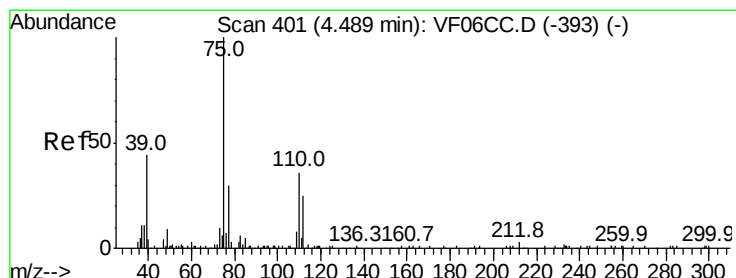
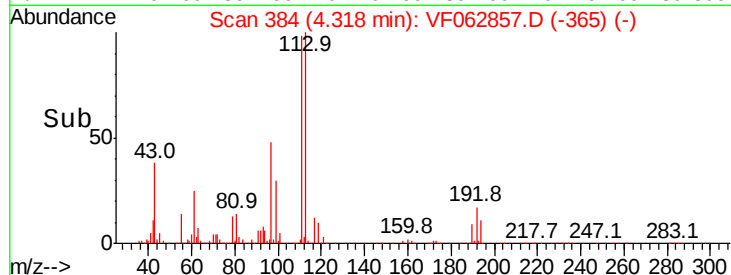
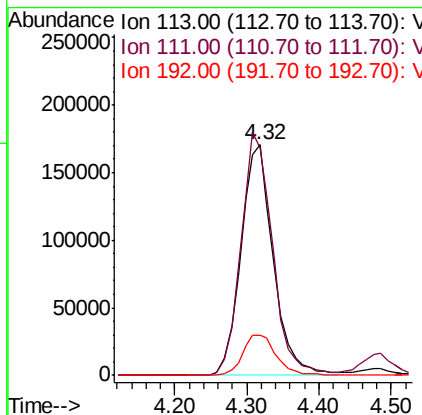
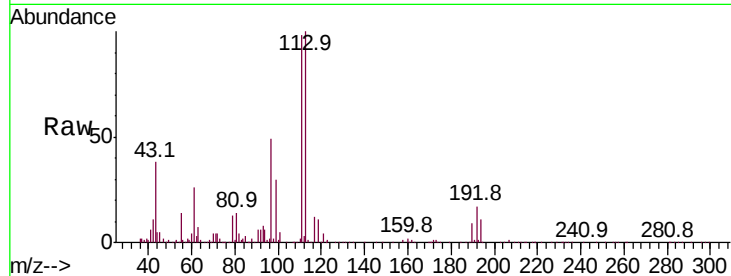
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	532673
Ion Ratio	Lower	Upper	
113	100		
111	98.5	81.9	122.9
192	17.5	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.283 ug/l

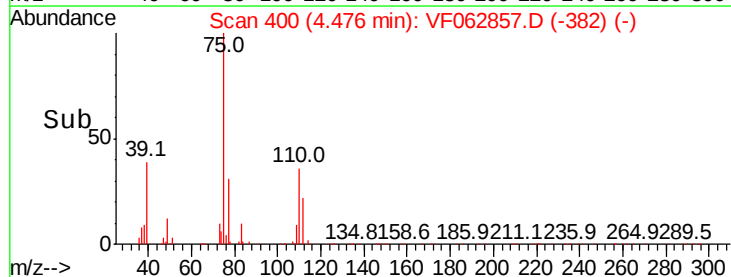
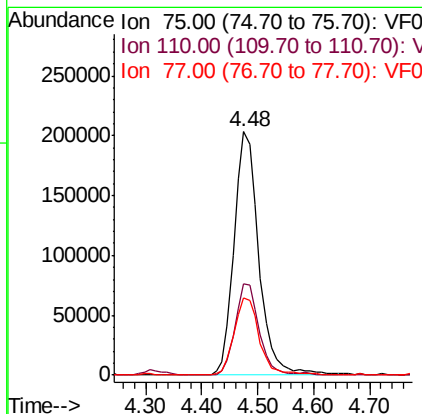
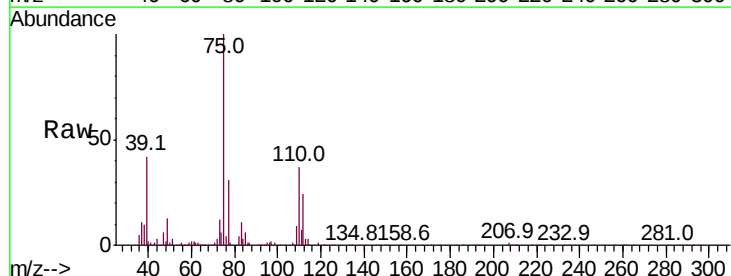
RT: 4.48 min Scan# 400

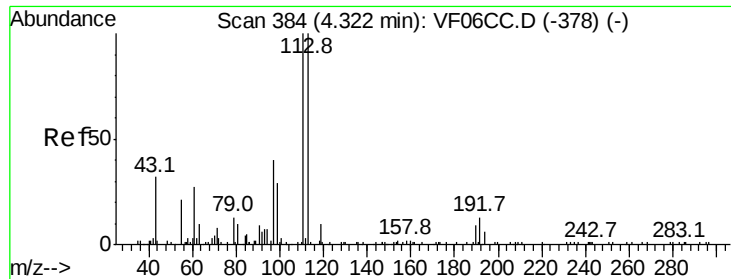
Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	75	Resp:	625881
Ion Ratio	Lower	Upper	
75	100		
110	37.4	19.4	58.1
77	31.5	25.4	38.2





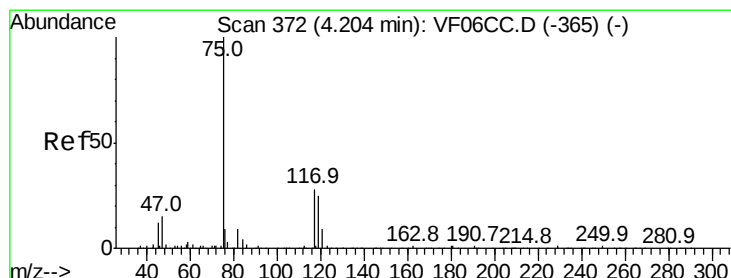
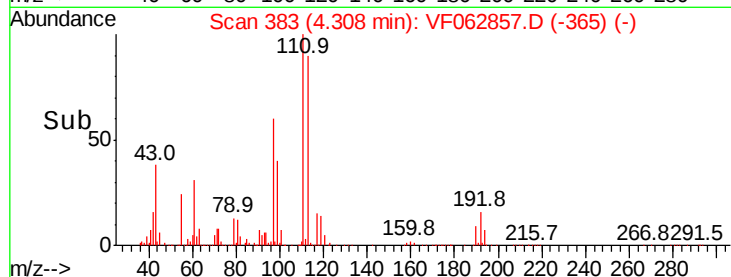
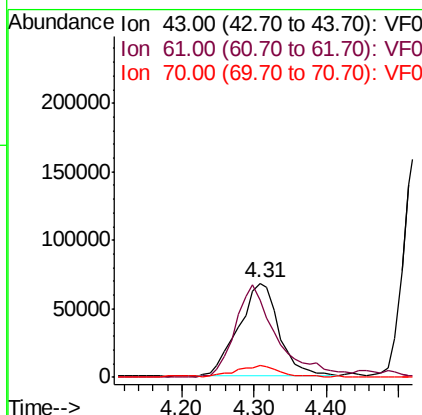
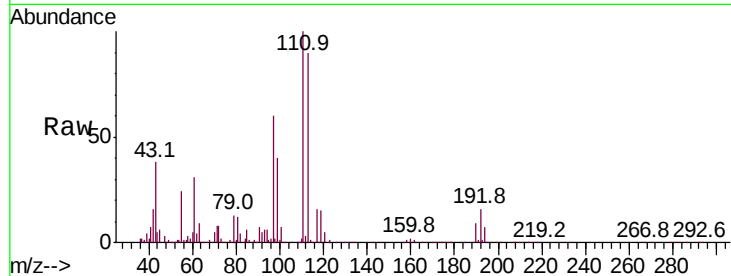
#37
Ethyl Acetate
Concen: 53.276 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	81.2	59.1	88.7
70	13.2	10.1	15.1

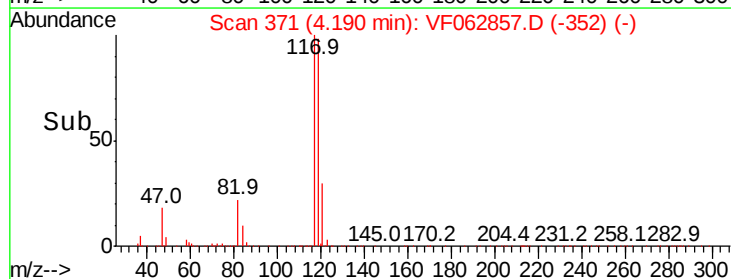
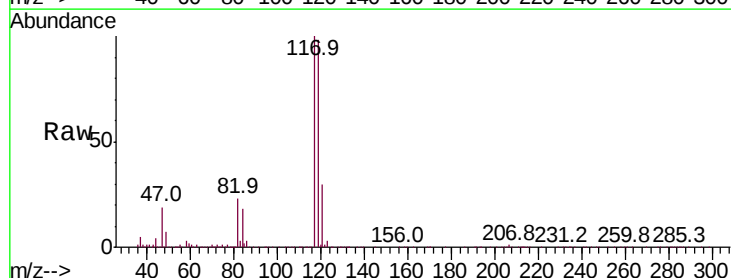
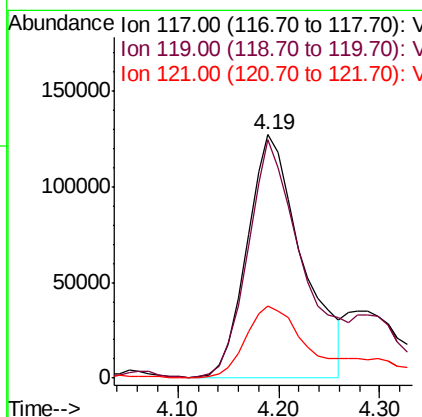
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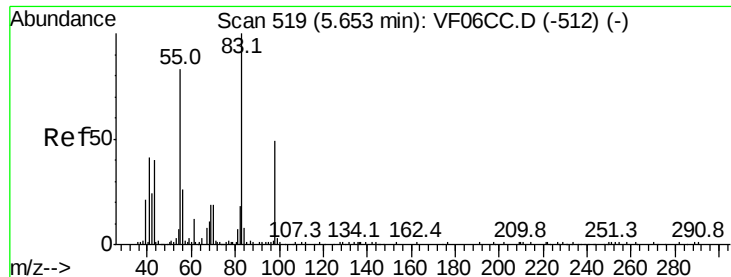
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#38
Carbon Tetrachloride
Concen: 54.948 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.2	117.2
121	29.6	28.2	42.2





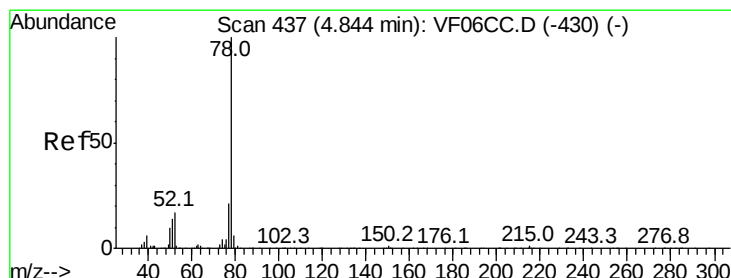
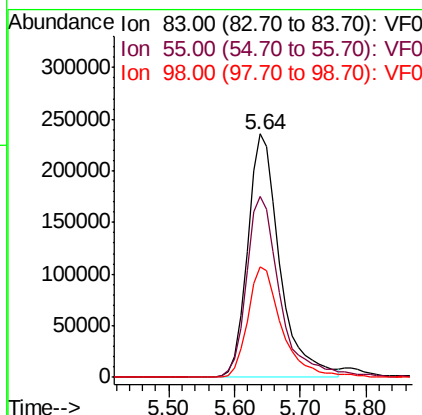
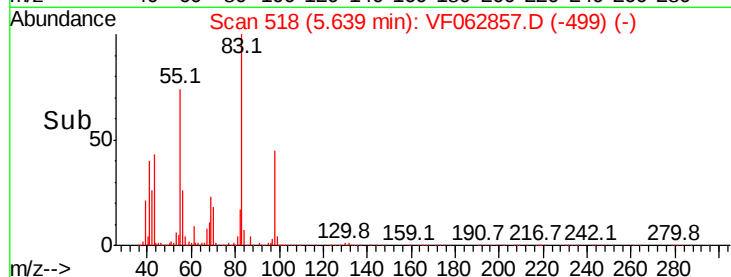
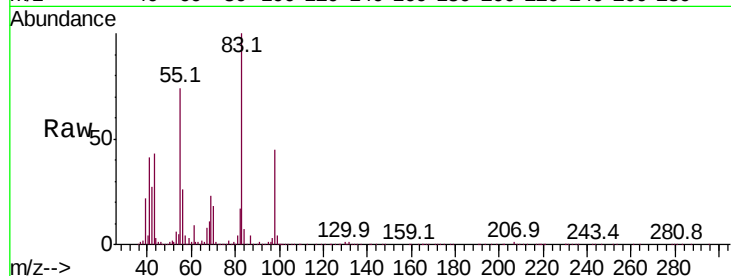
#39
Methvlcvclohexane
Concen: 50.035 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	61.6	92.4
98	45.3	37.4	56.2

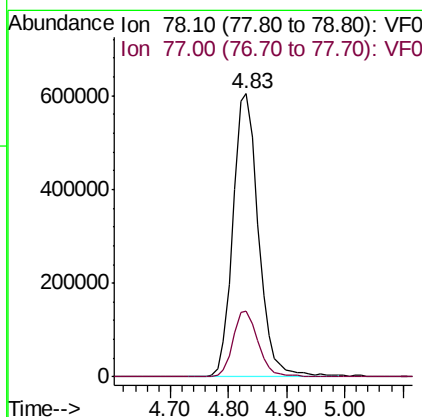
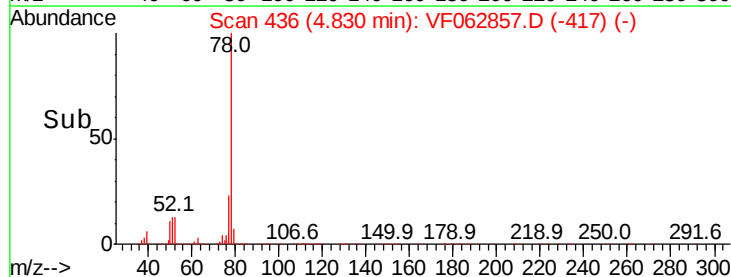
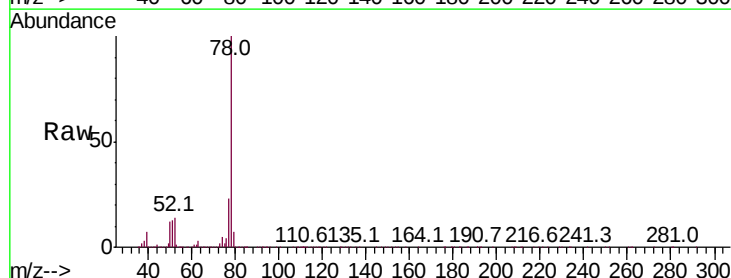
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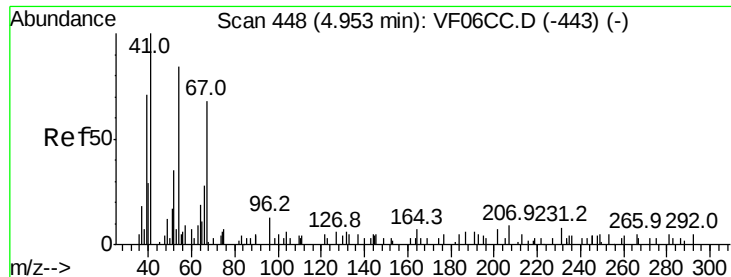
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#40
Benzene
Concen: 48.943 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





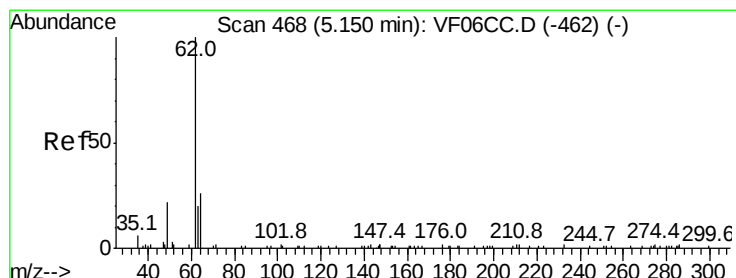
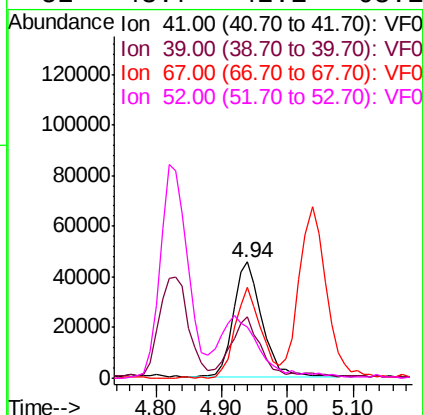
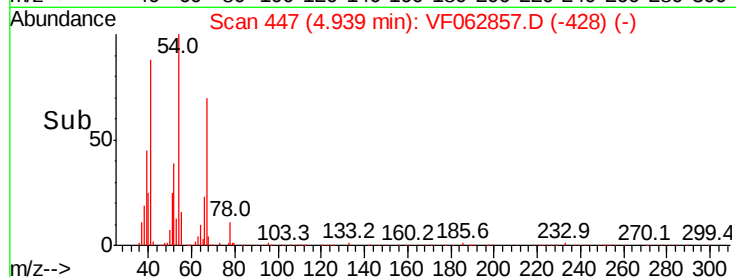
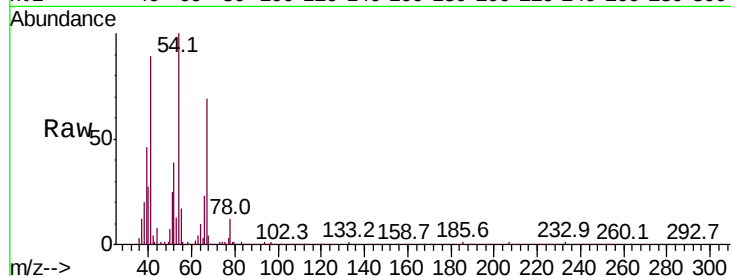
#41
Methacrylonitrile
Concen: 50.309 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	78.4	61.4	92.0
52	43.7	42.1	63.1

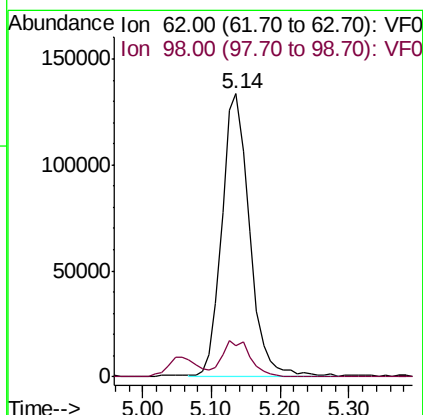
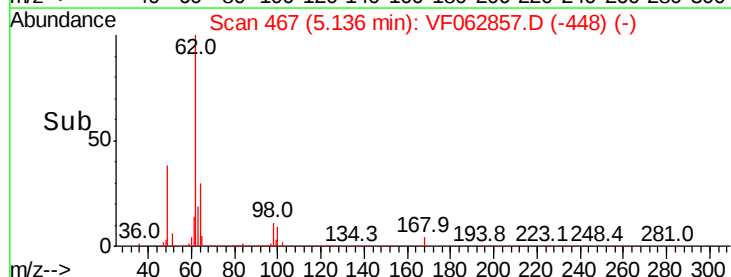
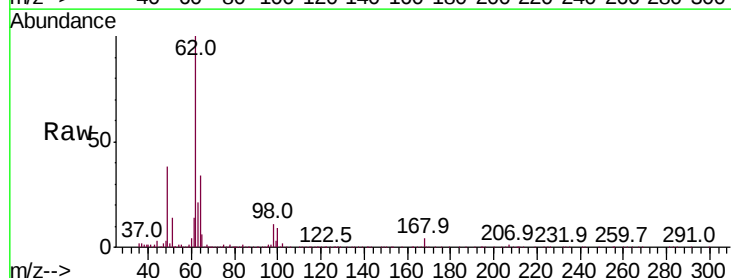
Manual Integrations
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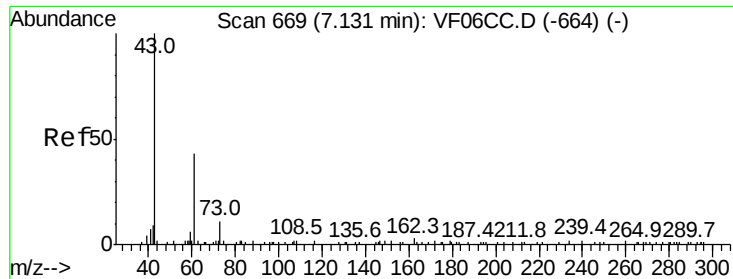
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#42
1,2-Dichloroethane
Concen: 51.270 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	24.0





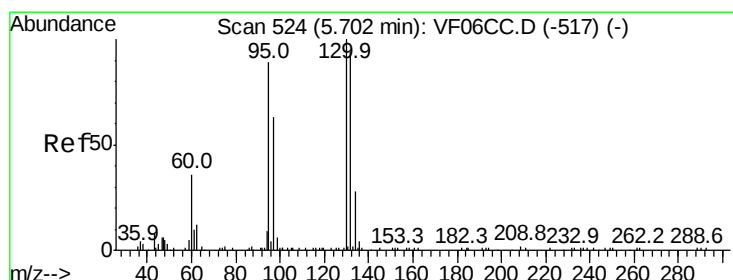
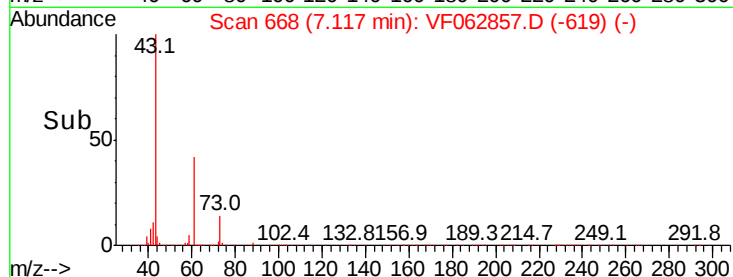
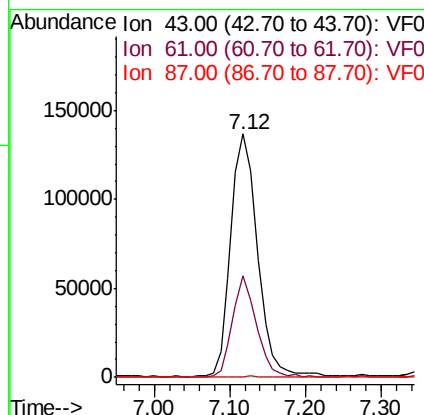
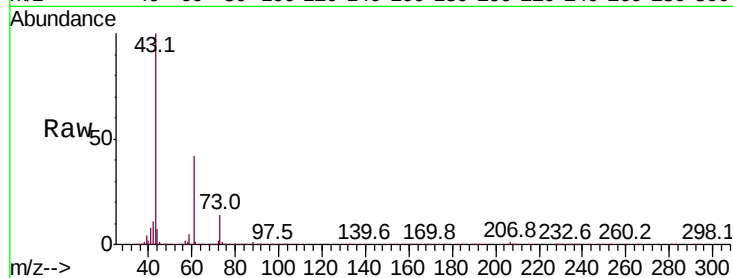
#43
Isopropyl Acetate
Concen: 51.056 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	41.7	29.8	44.6
87	0.4	0.3	0.5

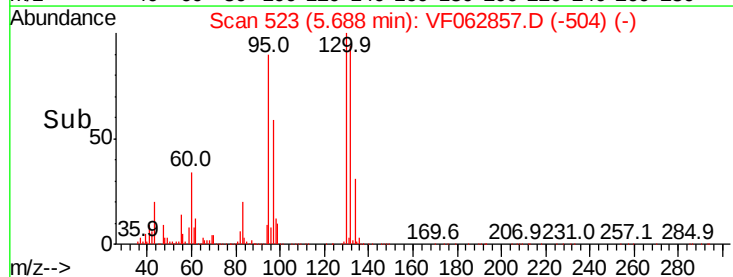
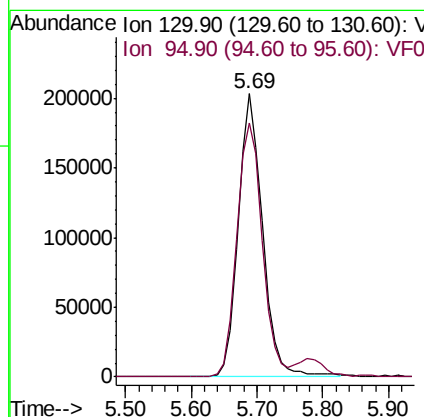
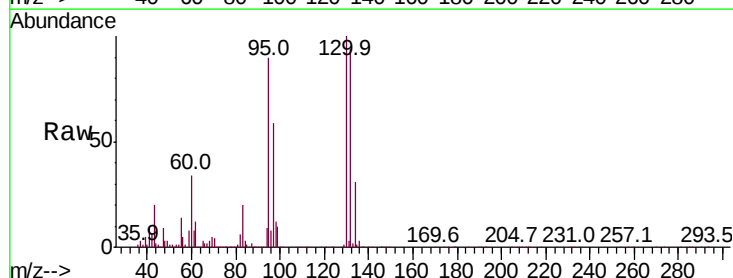
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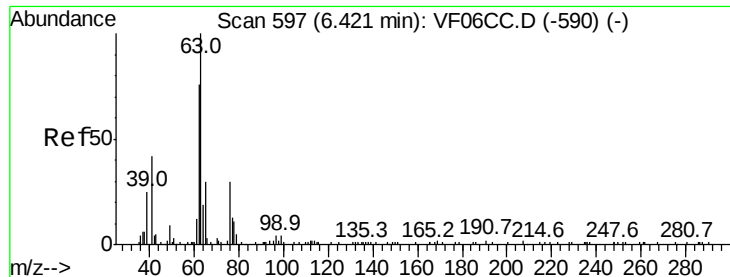
MMDadoda
6/6/2019 8:49:01 AM



#44
Trichloroethene
Concen: 49.600 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	188.2





#45

1,2-Dichloropropane

Concen: 51.292 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 485590

Ion Ratio Lower Upper

63 100

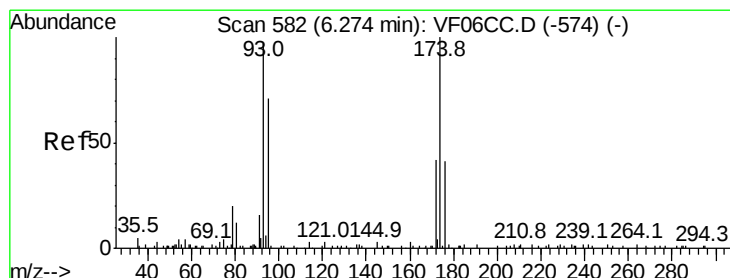
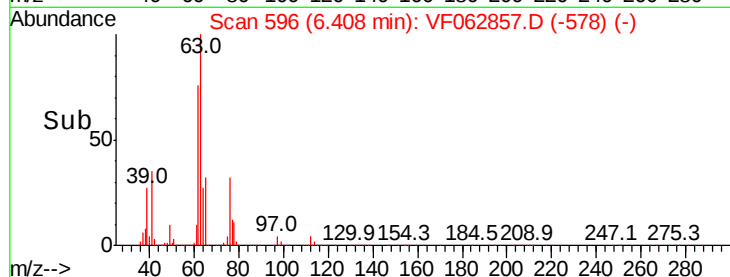
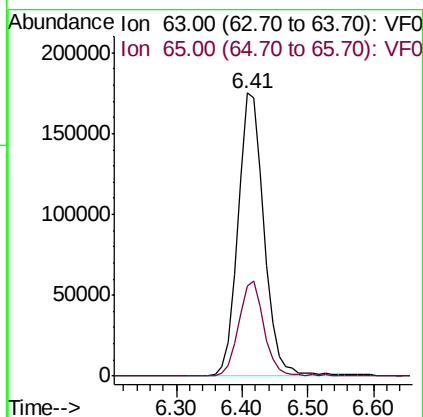
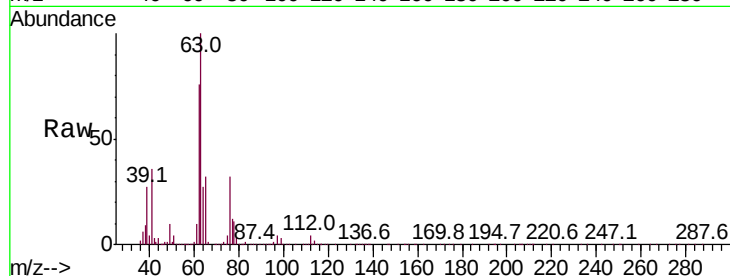
65 31.7 24.2 36.2

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#46

Dibromomethane

Concen: 52.476 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

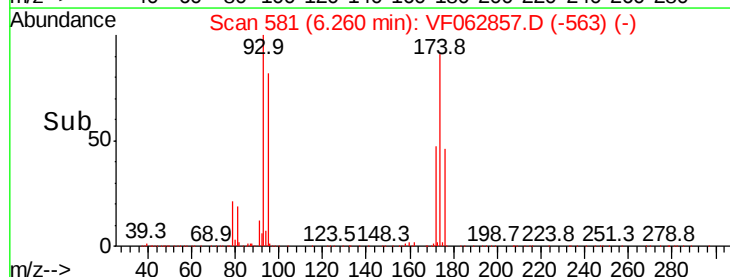
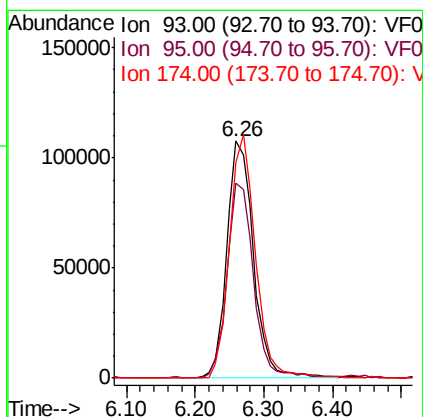
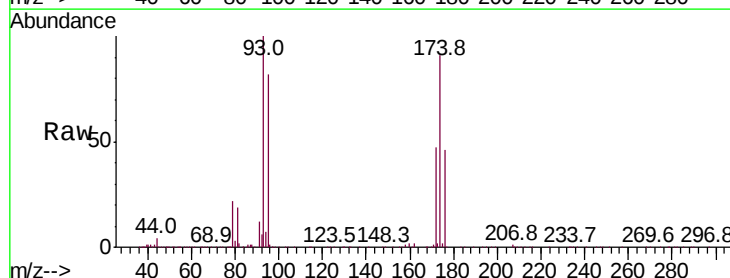
Tgt Ion: 93 Resp: 290055

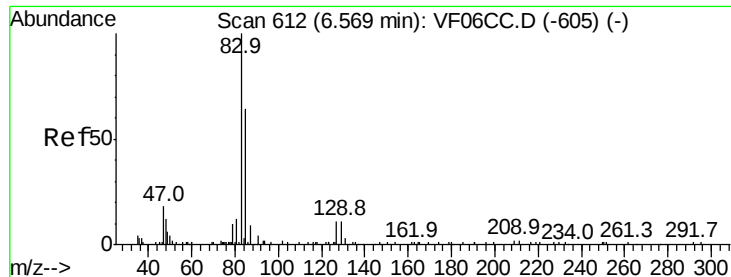
Ion Ratio Lower Upper

93 100

95 82.3 67.9 101.9

174 91.1 85.0 127.4





#47

Bromodichloromethane

Concen: 50.346 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

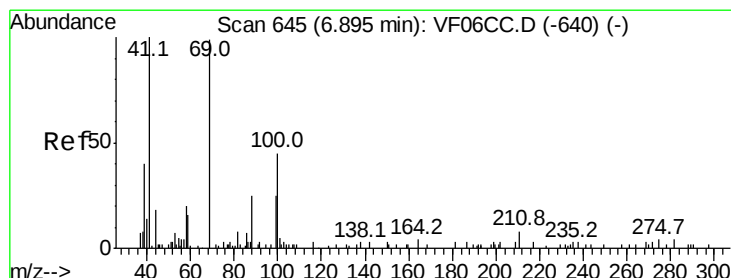
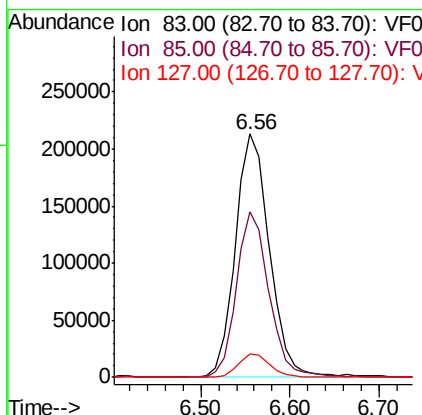
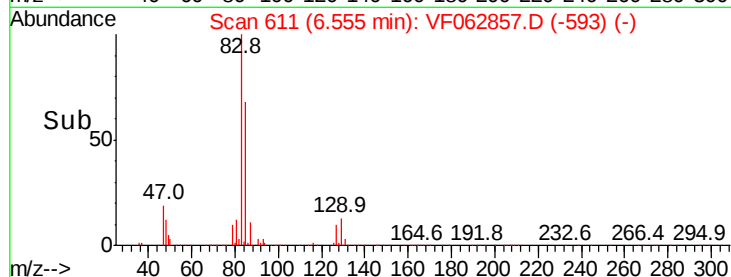
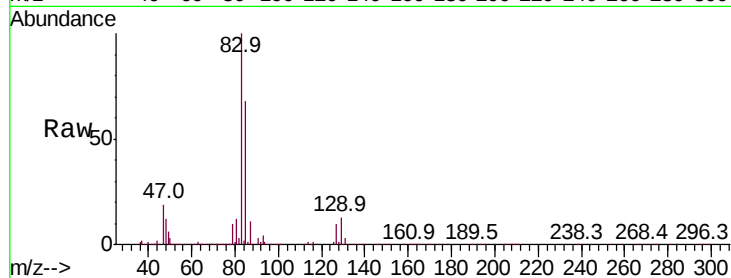
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	566742
Ion Ratio	Lower	Upper	
83	100		
85	68.2	54.2	81.4
127	9.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.776 ug/l

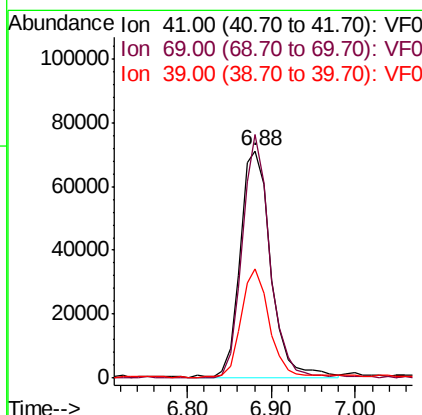
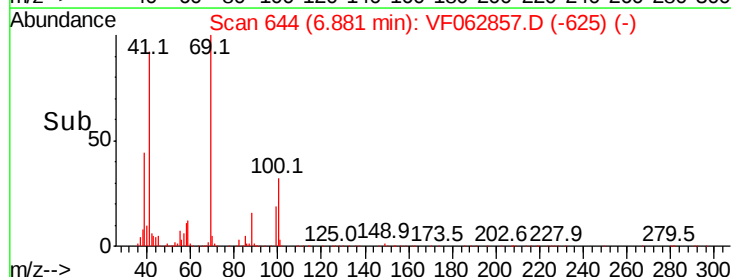
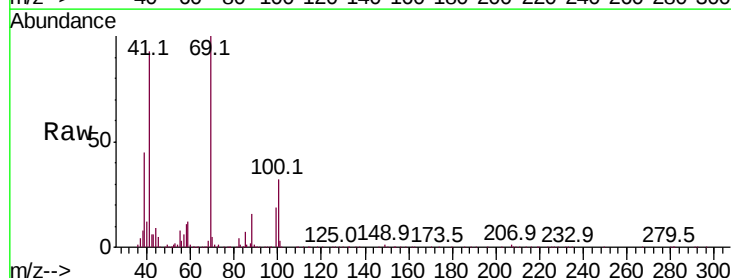
RT: 6.88 min Scan# 644

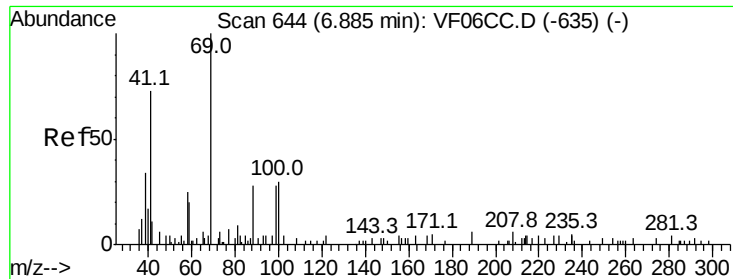
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	41	Resp:	181413
Ion Ratio	Lower	Upper	
41	100		
69	107.3	79.4	119.2
39	48.0	39.8	59.6





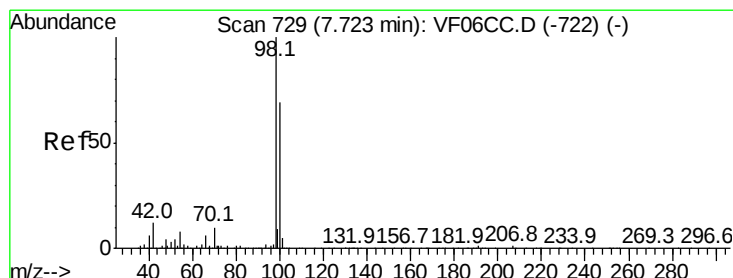
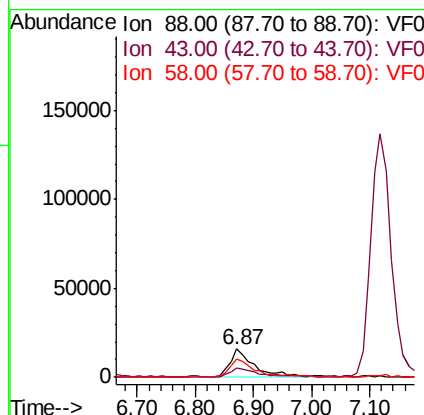
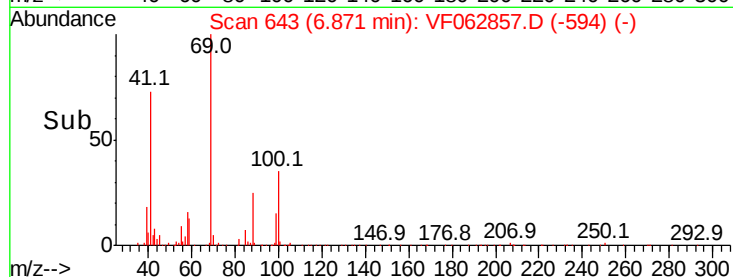
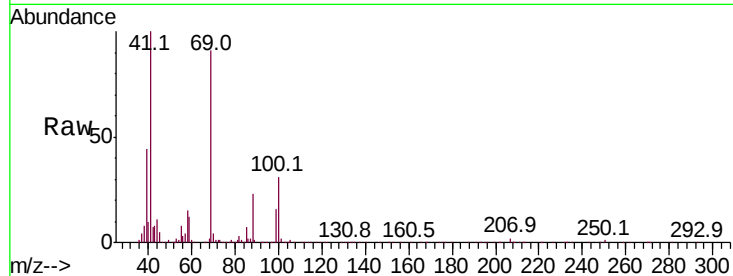
#49
1,4-Dioxane
Concen: 1103.914 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	34.8	52.2#
58	63.7	59.9	89.9

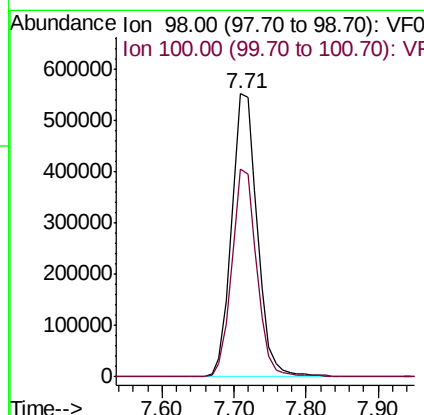
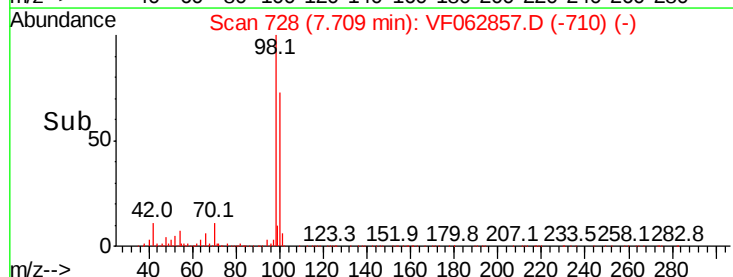
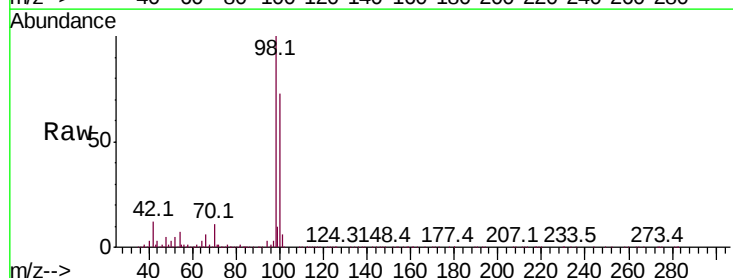
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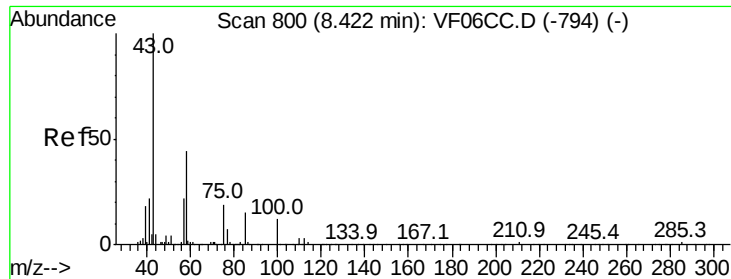
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#50
Toluene-d8
Concen: 51.013 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.4	59.8	89.8





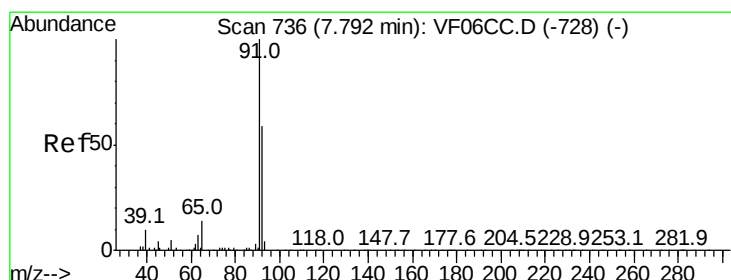
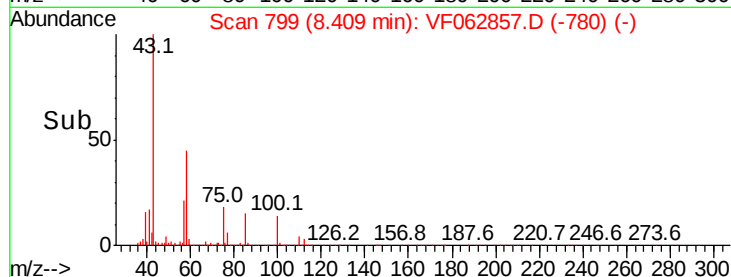
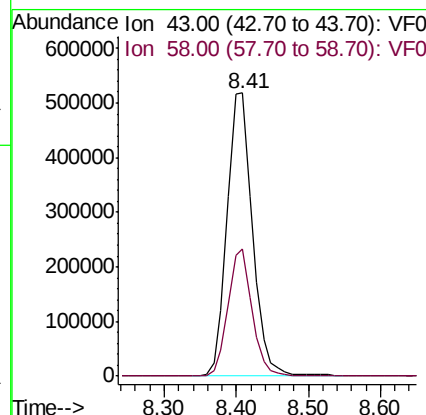
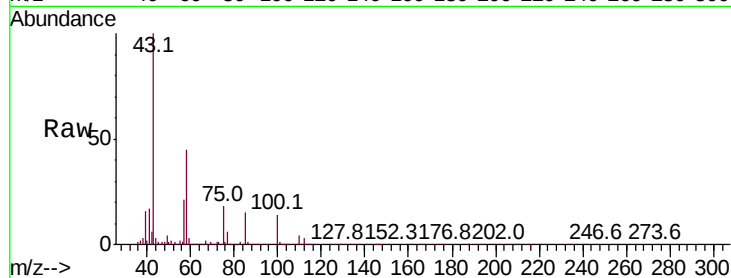
#51
4-Methyl-2-Pentanone
Concen: 272.162 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1271901
Ion Ratio Lower Upper
43 100
58 45.1 35.5 53.3

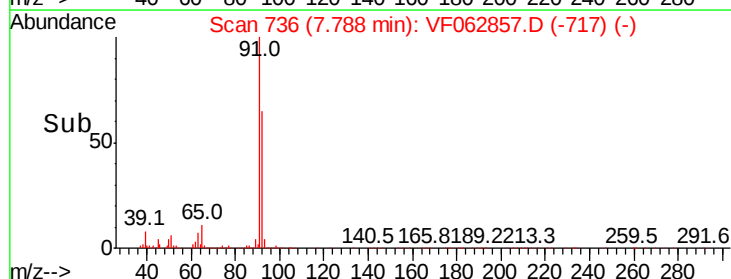
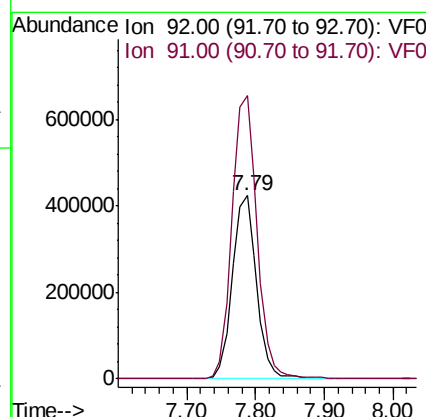
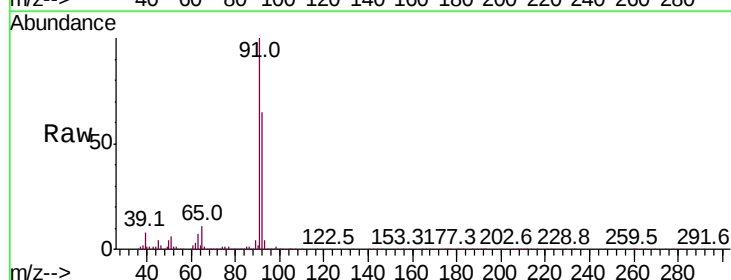
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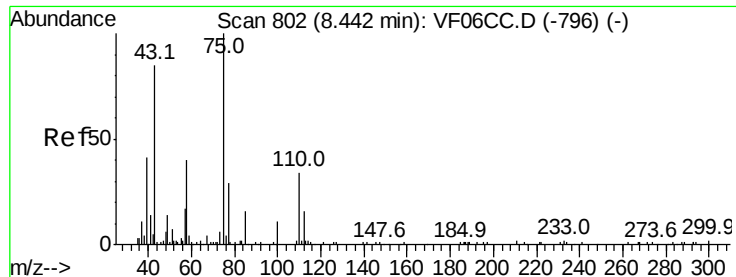
MMDadoda
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#52
Toluene
Concen: 50.753 ug/l
RT: 7.79 min Scan# 736
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 92 Resp: 1031286
Ion Ratio Lower Upper
92 100
91 154.3 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 52.964 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 494043

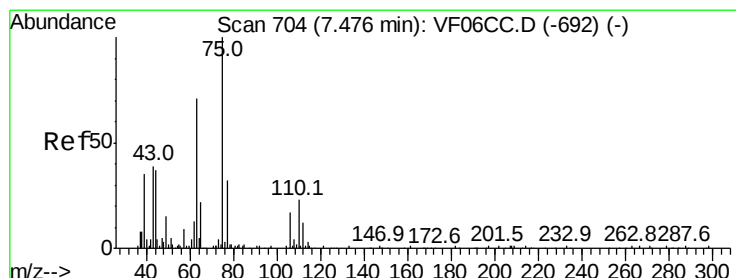
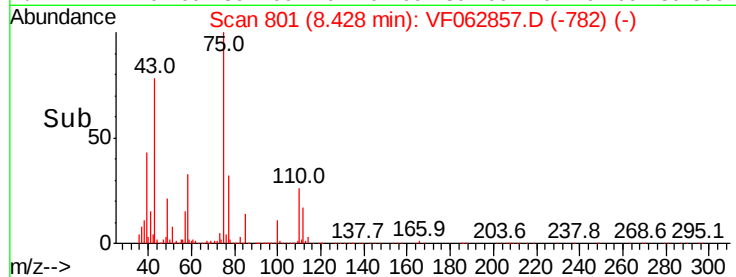
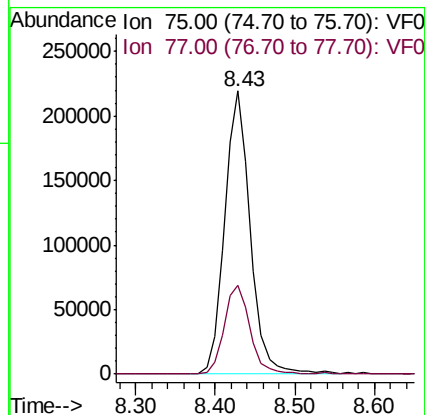
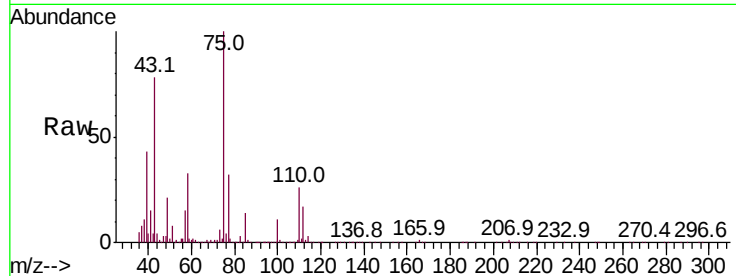
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 50.429 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

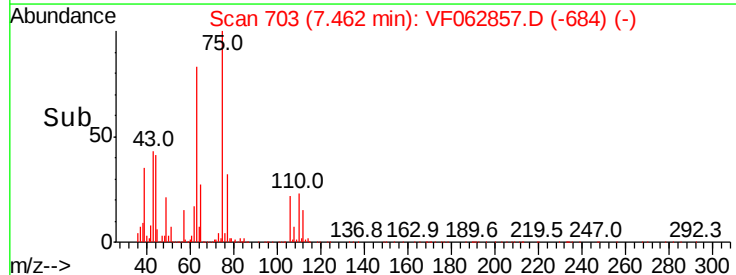
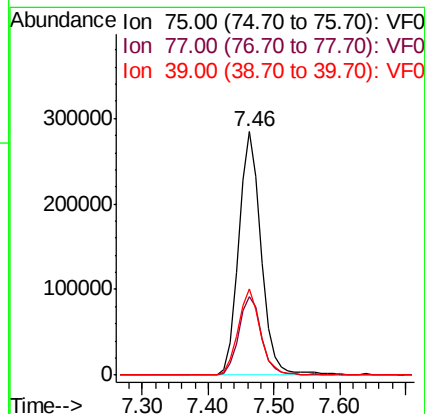
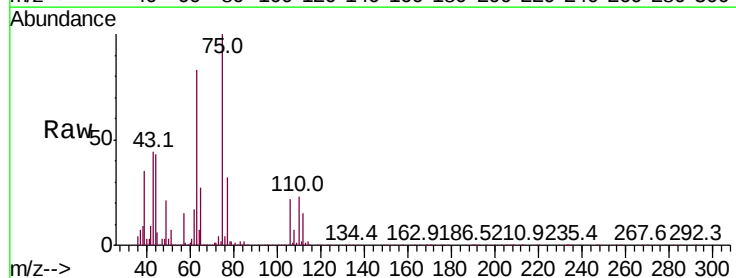
Tgt Ion: 75 Resp: 680918

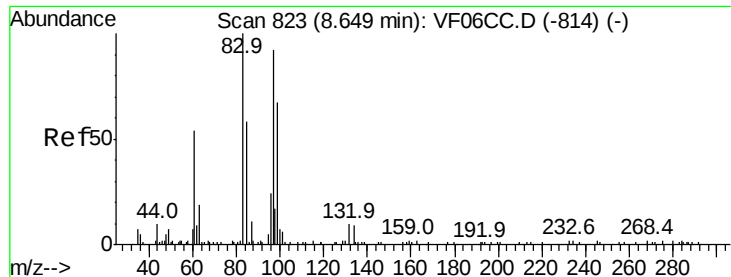
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 35.4 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 54.539 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 331075

Ion Ratio Lower Upper

97 100

83 89.1 72.0 108.0

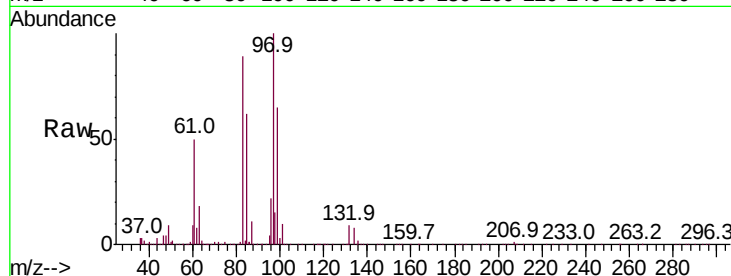
85 61.9 47.5 71.3

99 64.8 54.1 81.1

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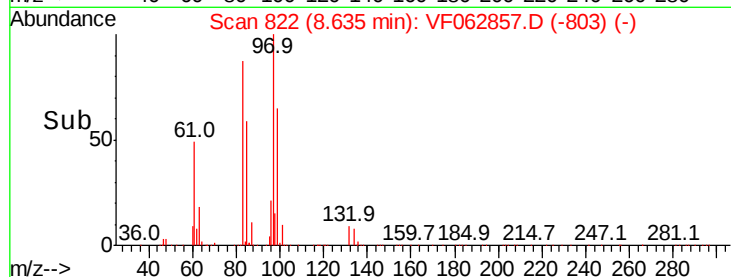


Abundance Ion 97.00 (96.70 to 97.70): VF0

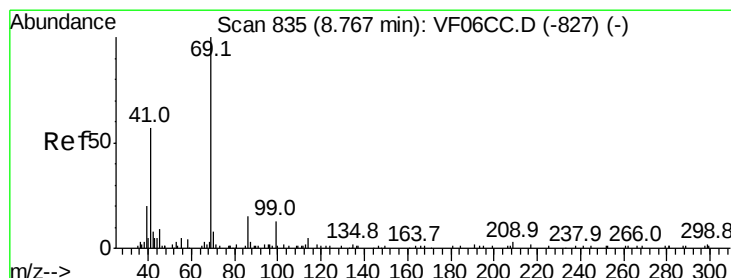
Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



Time-->



#56

Ethyl methacrylate

Concen: 55.395 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

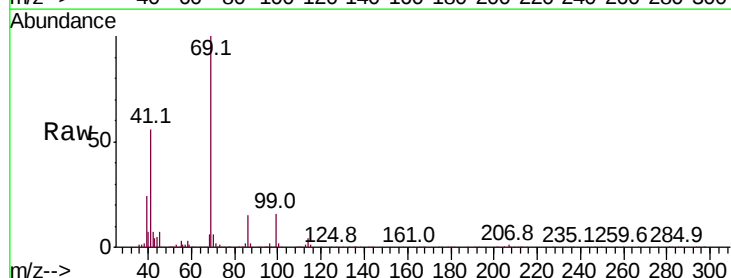
Tgt Ion: 69 Resp: 360814

Ion Ratio Lower Upper

69 100

41 56.1 46.6 69.8

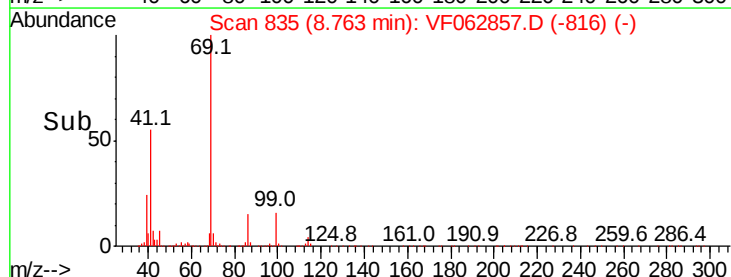
39 24.1 19.6 29.4



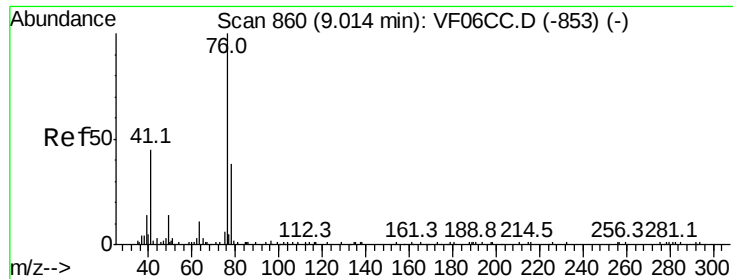
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#57

1,3-Dichloropropane

Concen: 55.570 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 550872

Ion Ratio Lower Upper

76 100

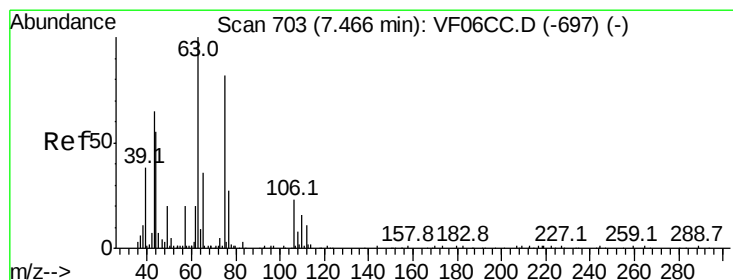
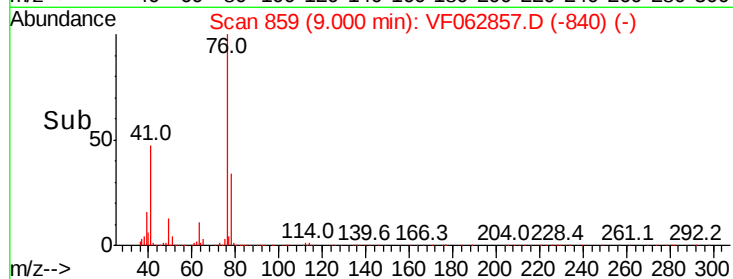
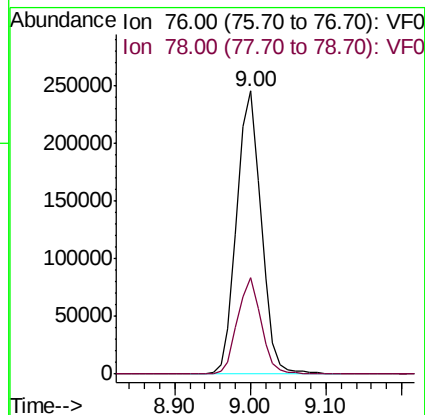
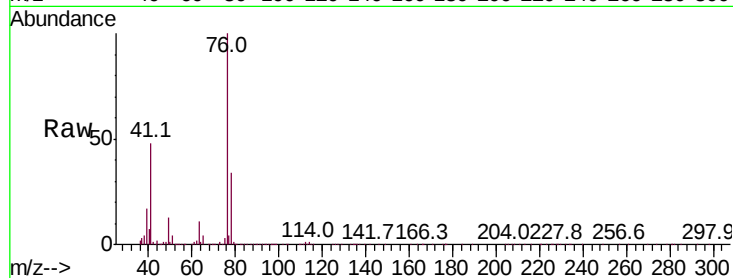
78 34.0 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 282.568 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062857.D

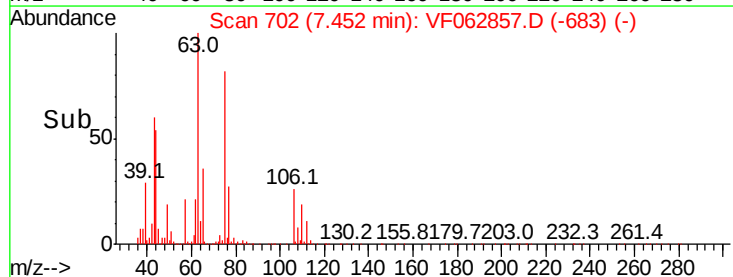
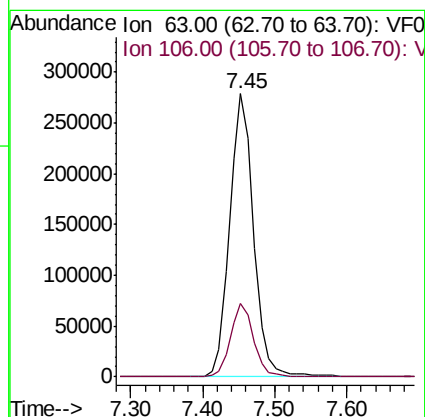
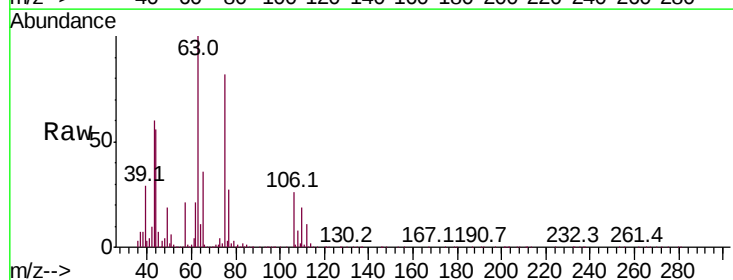
Acq: 4 Jun 2019 23:46

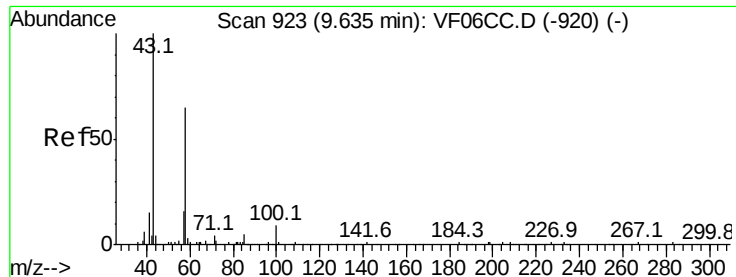
Tgt Ion: 63 Resp: 643232

Ion Ratio Lower Upper

63 100

106 25.9 19.5 29.3





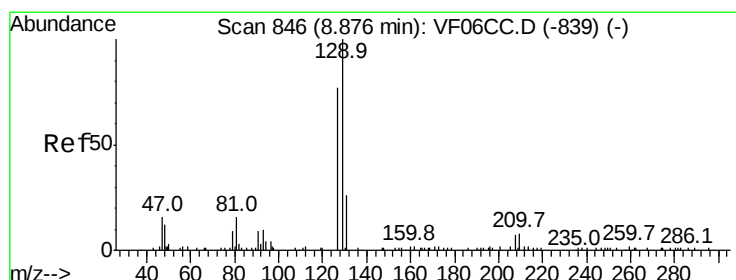
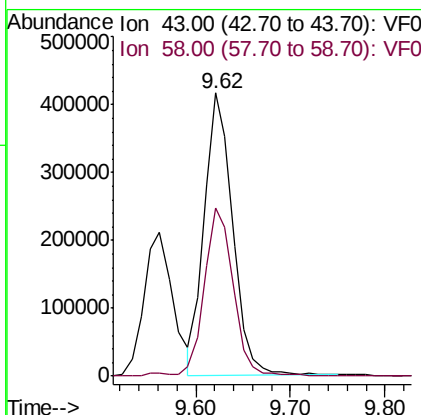
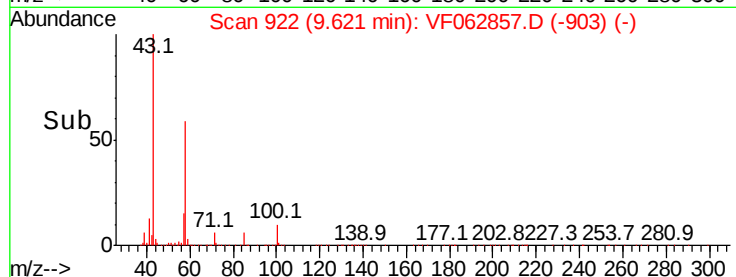
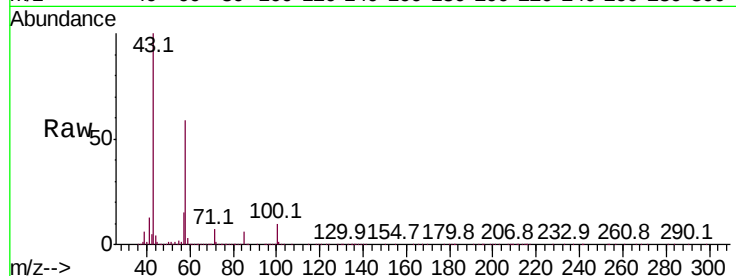
#59
2-Hexanone
Concen: 261.610 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 871420
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9

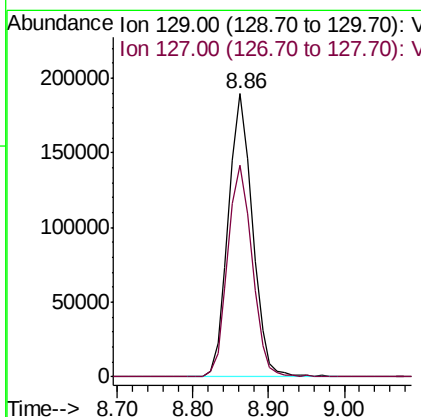
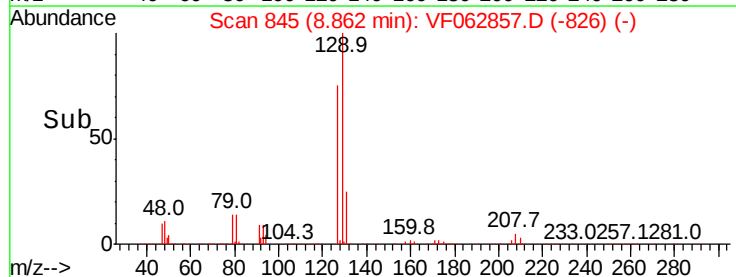
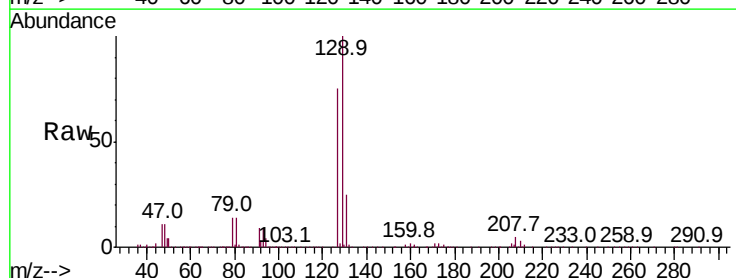
Manual Integrations
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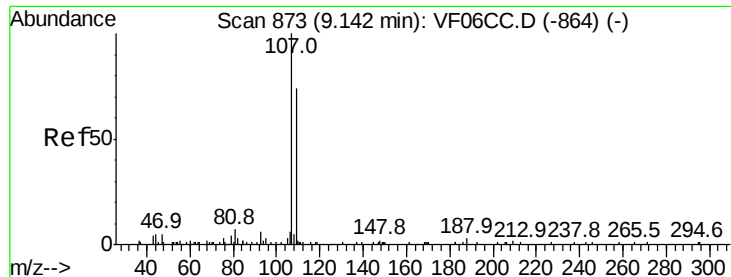
MMDadoda
6/6/2019 8:49:01 AM



#60
Dibromochloromethane
Concen: 56.034 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion: 129 Resp: 421130
Ion Ratio Lower Upper
129 100
127 73.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 55.700 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 351166

Ion Ratio Lower Upper

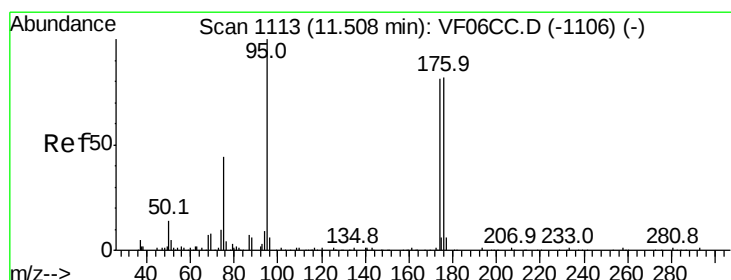
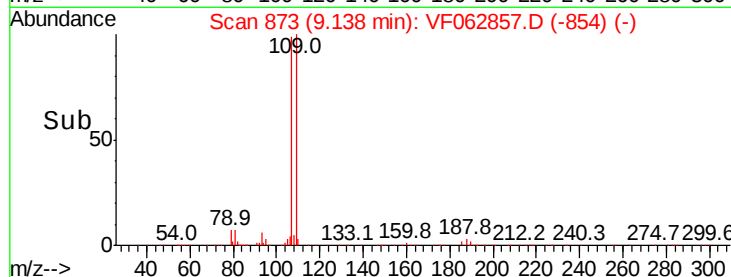
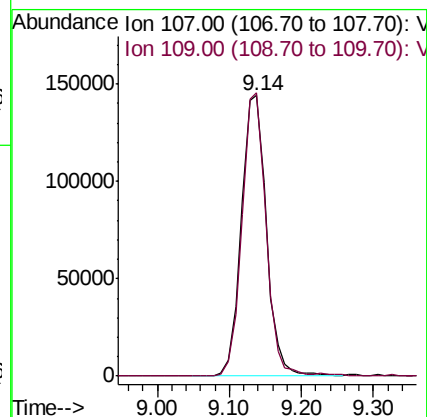
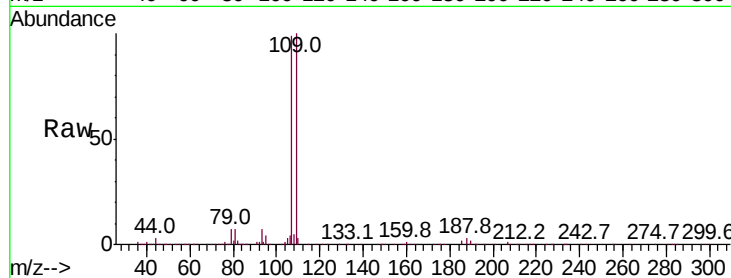
107 100

109 101.0 78.1 117.1

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#62

4-Bromofluorobenzene

Concen: 53.972 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

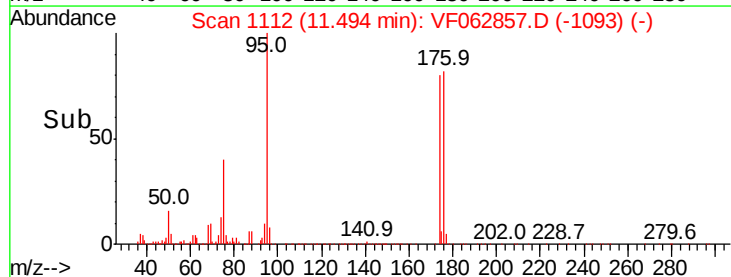
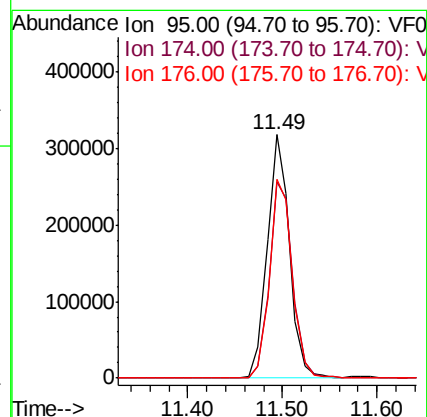
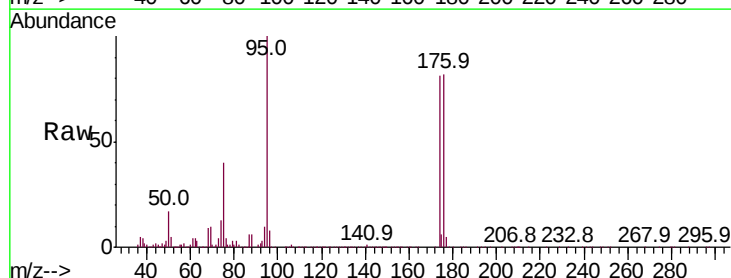
Tgt Ion: 95 Resp: 522369

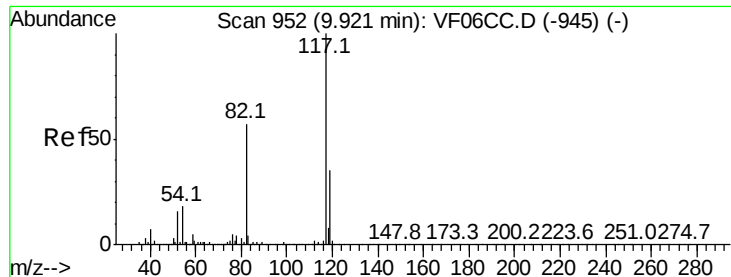
Ion Ratio Lower Upper

95 100

174 80.5 0.0 170.6

176 81.6 0.0 170.6





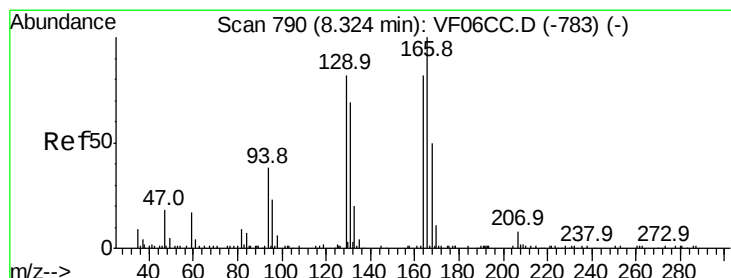
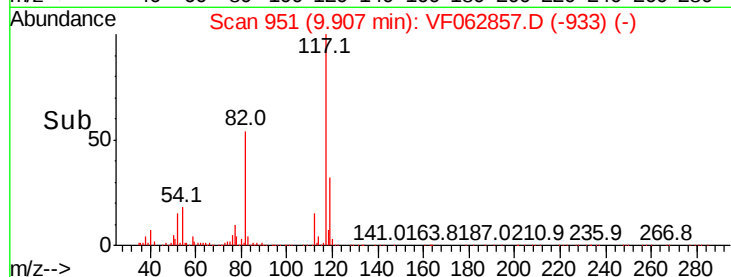
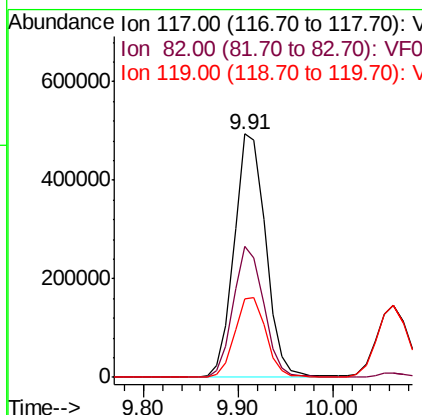
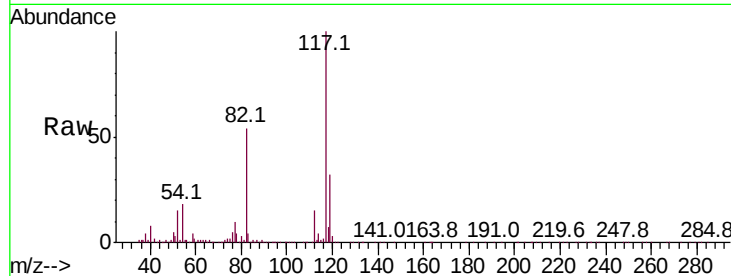
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.4	63.6
119	32.4	27.1	40.7

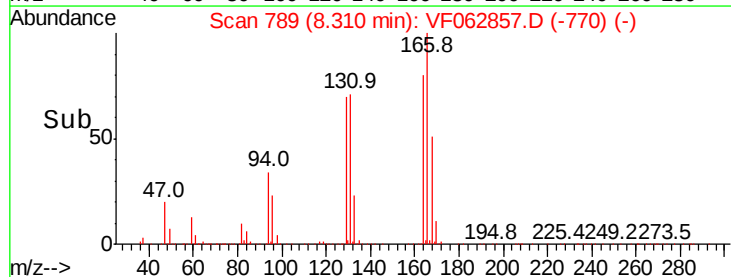
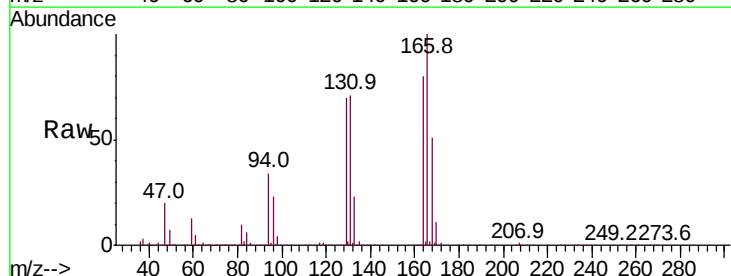
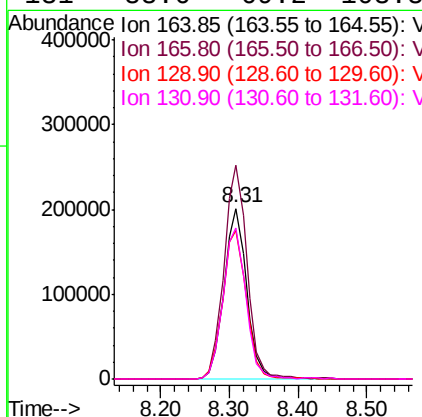
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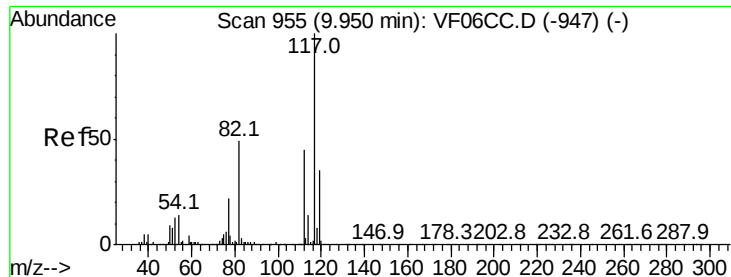
MMDadoda
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#64
Tetrachloroethene
Concen: 52.008 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	99.1	148.7
129	87.2	69.5	104.3
131	88.6	69.2	103.8





#65

Chlorobenzene

Concen: 50.168 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1110580

Ion Ratio Lower Upper

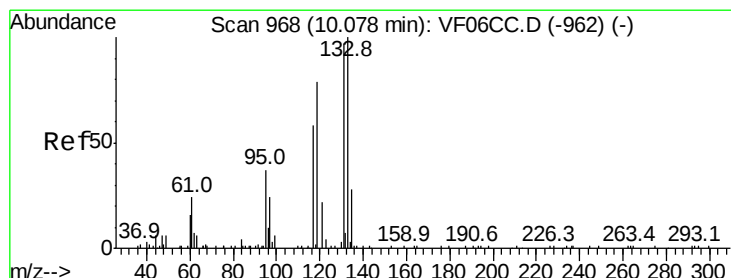
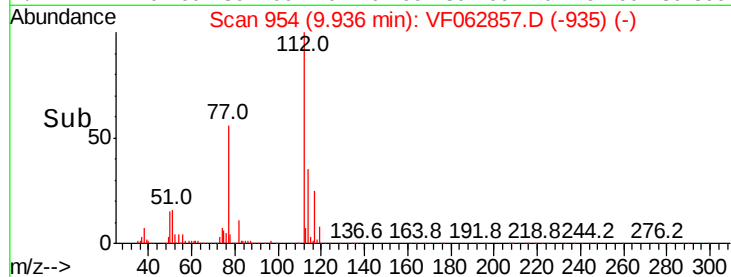
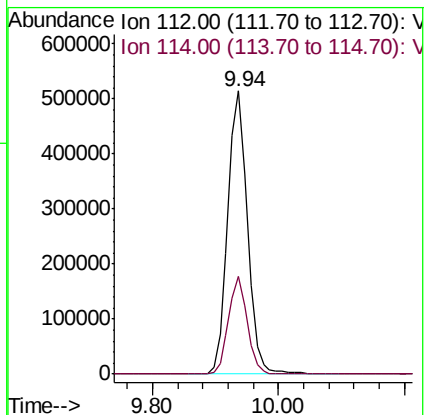
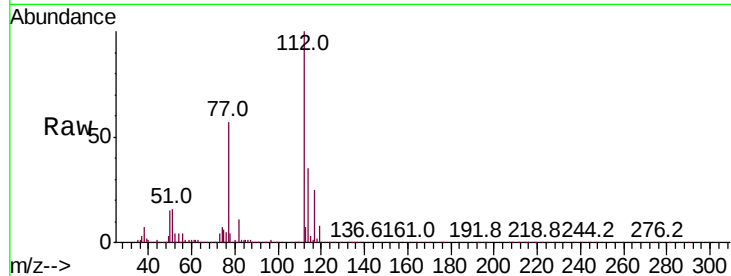
112 100

114 34.7 27.4 41.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.884 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

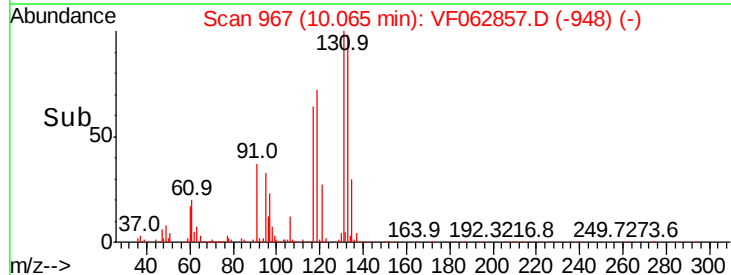
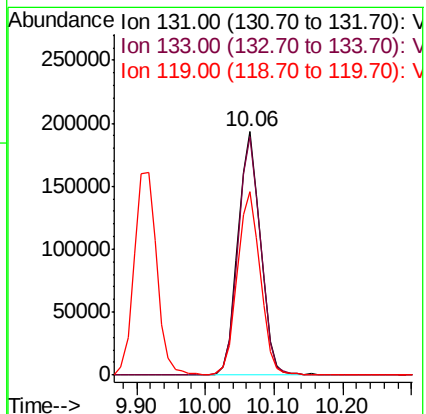
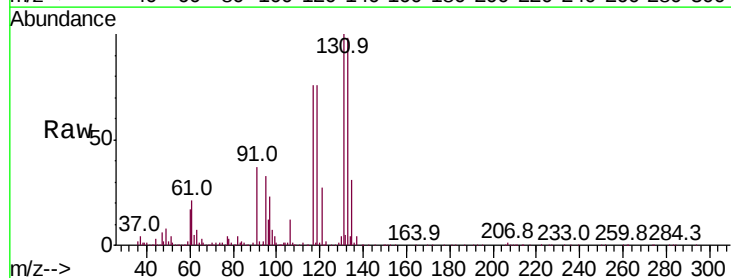
Tgt Ion:131 Resp: 439795

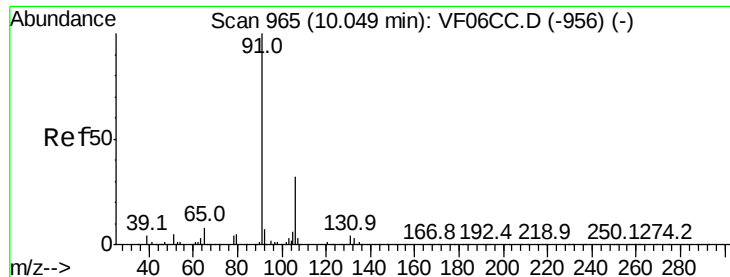
Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.7

119 75.5 38.0 114.0





#67

Ethyl Benzene

Concen: 49.475 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1879482

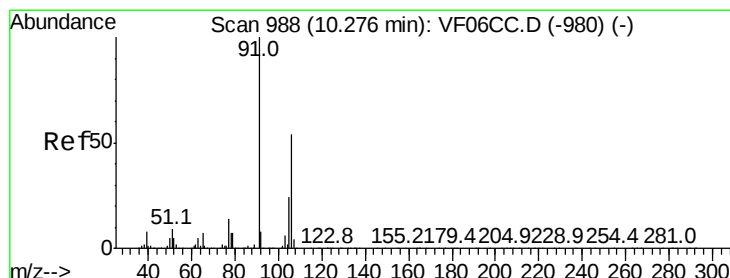
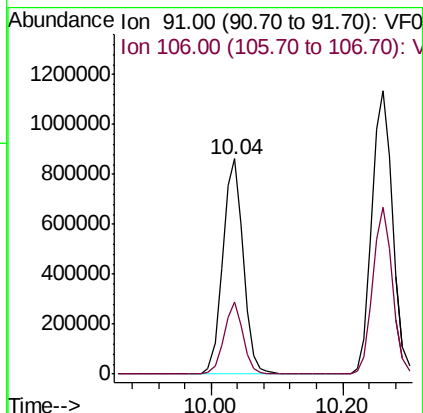
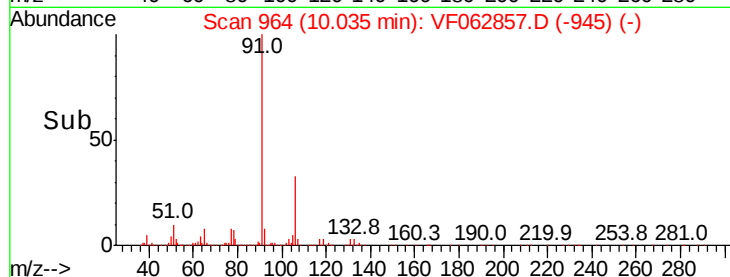
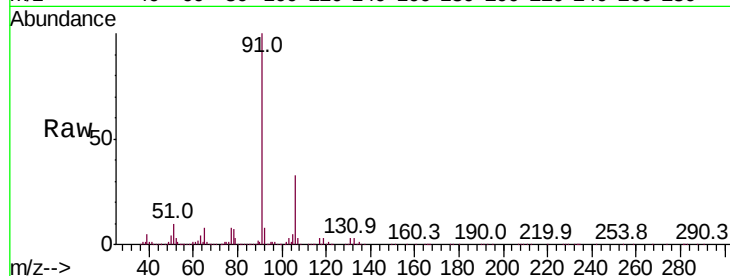
Ion Ratio Lower Upper

91 100

106 33.4 26.0 39.0

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#68

m/p-Xylenes

Concen: 96.827 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062857.D

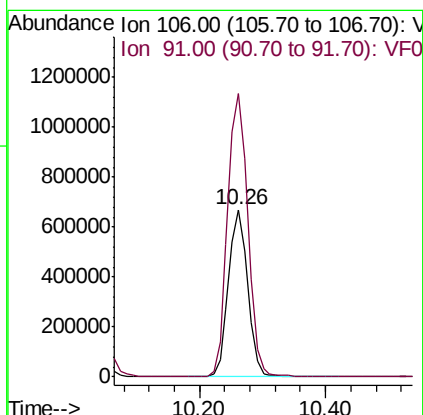
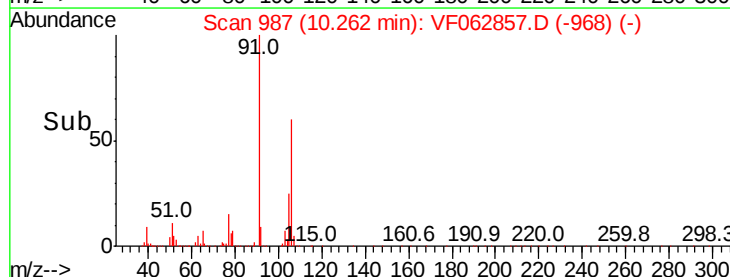
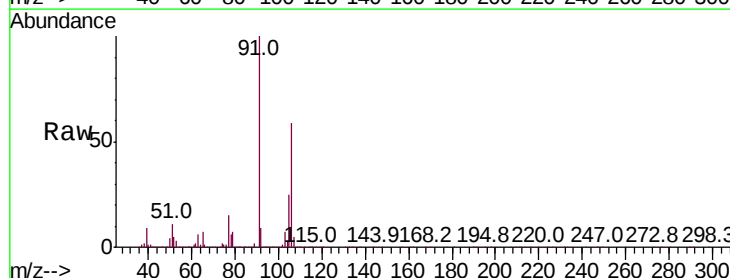
Acq: 4 Jun 2019 23:46

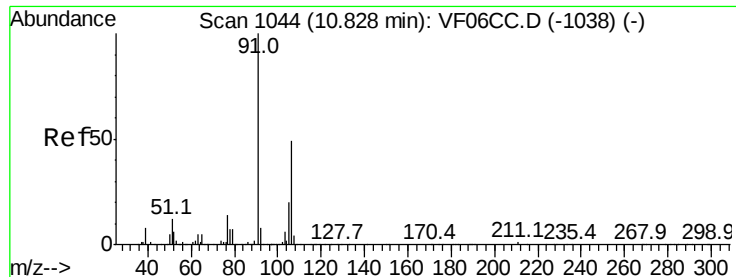
Tgt Ion: 106 Resp: 1407568

Ion Ratio Lower Upper

106 100

91 168.9 136.2 204.4





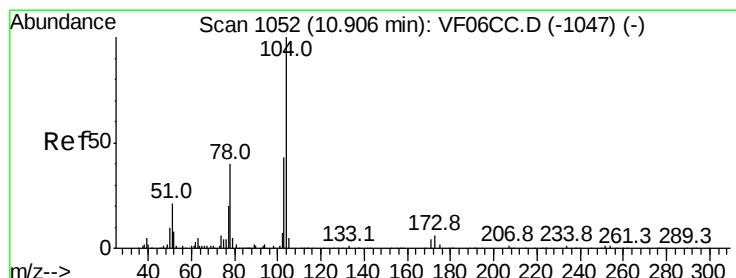
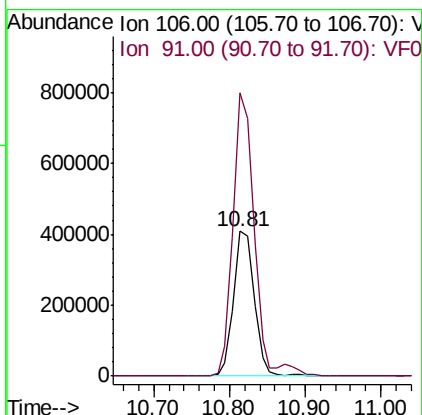
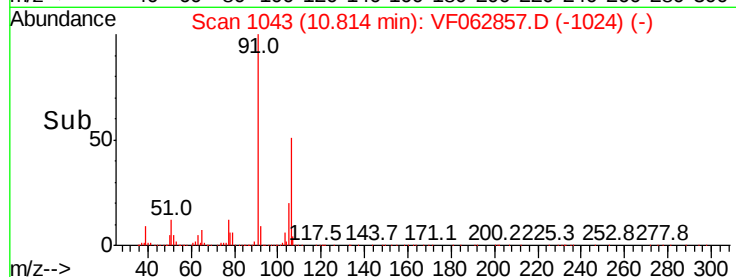
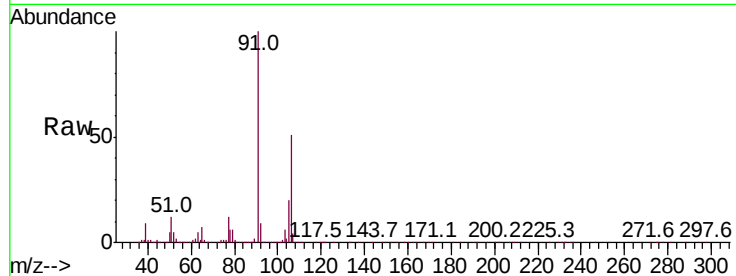
#69
o-Xylene
Concen: 52.551 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	195.8	96.6	289.8

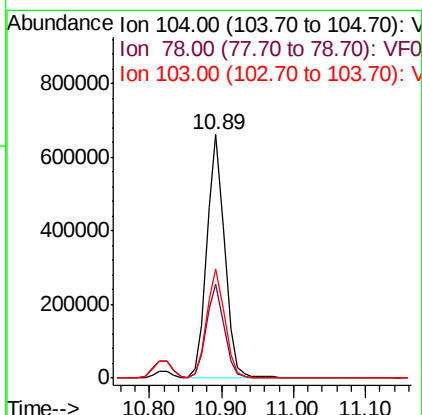
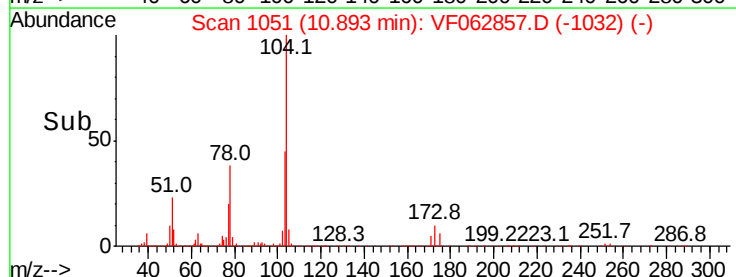
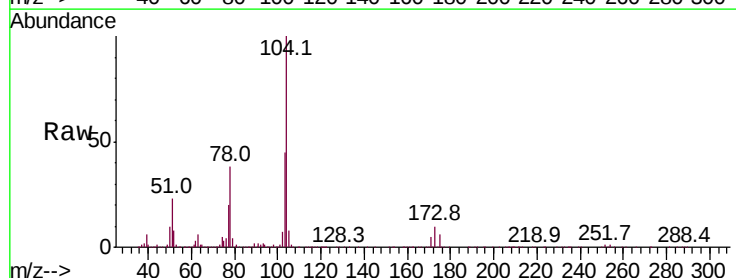
Manual Integrations
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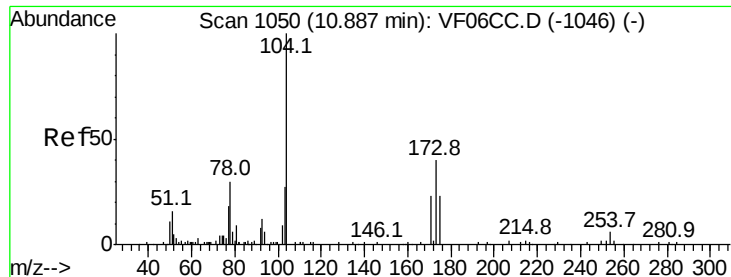
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#70
Styrene
Concen: 51.820 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.3	30.8	46.2
103	45.1	35.8	53.6





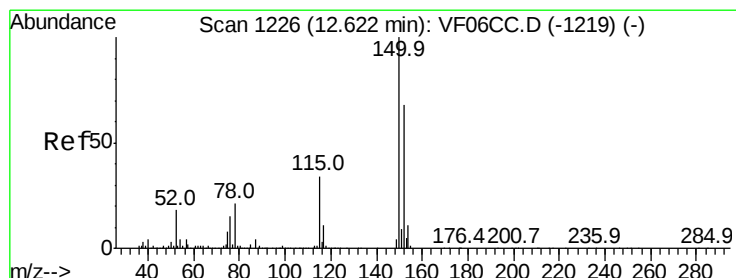
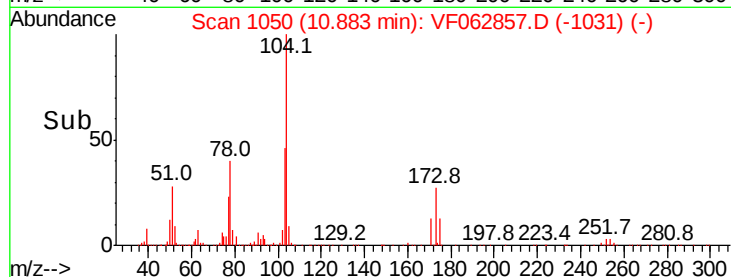
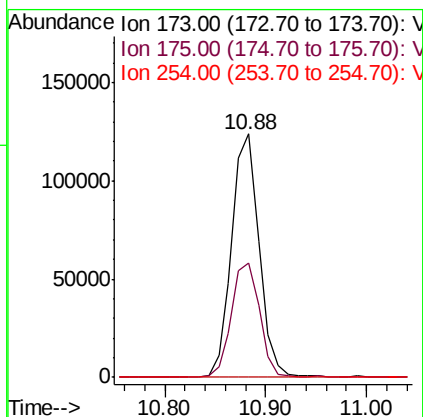
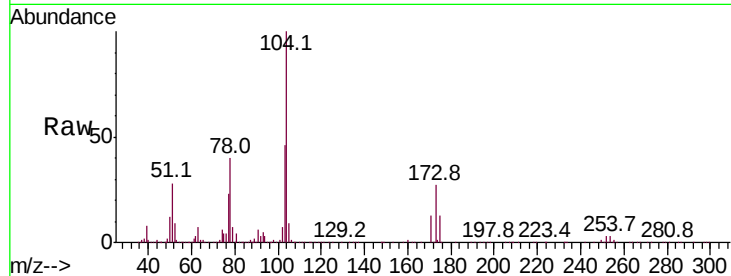
#71
Bromoform
Concen: 55.480 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	74.0
254	0.1	0.1	0.1

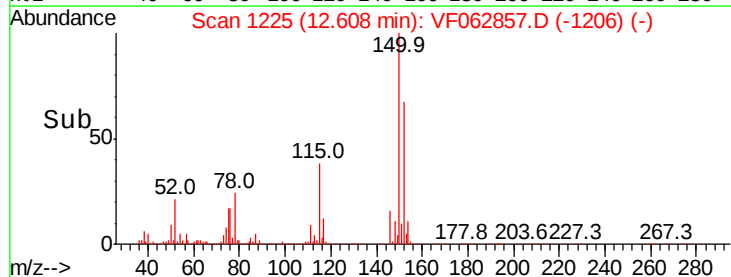
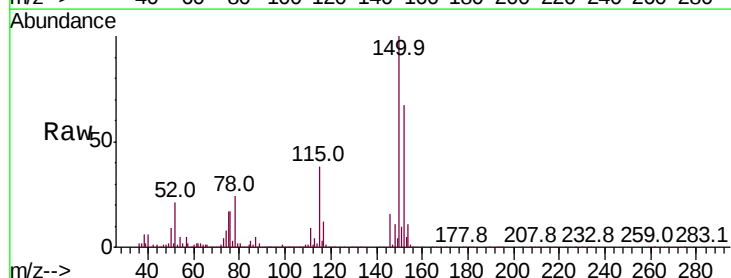
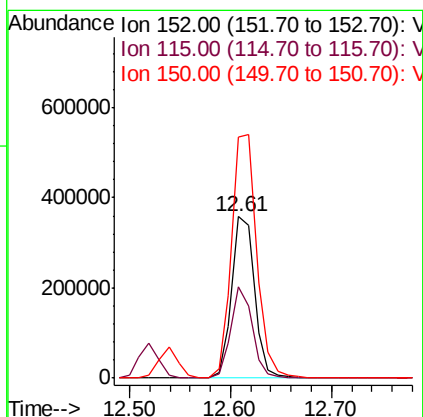
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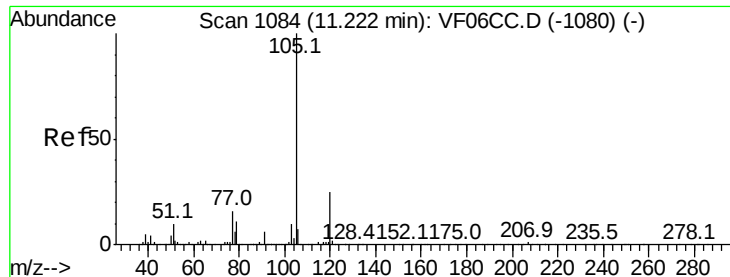
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	24.6	74.0
150	149.3	0.0	290.6





#73

Isopropylbenzene

Concen: 51.794 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2029127

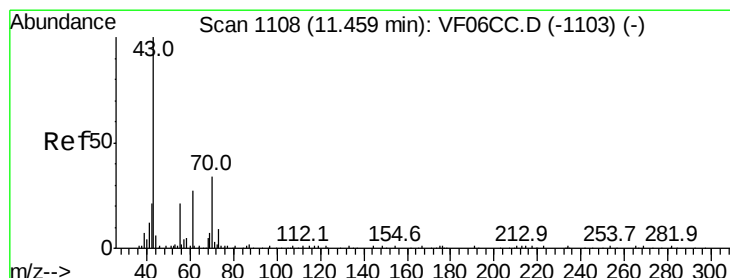
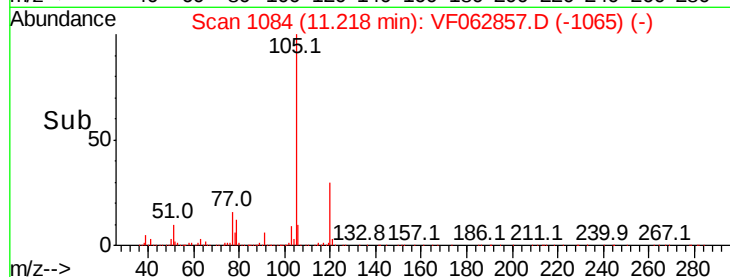
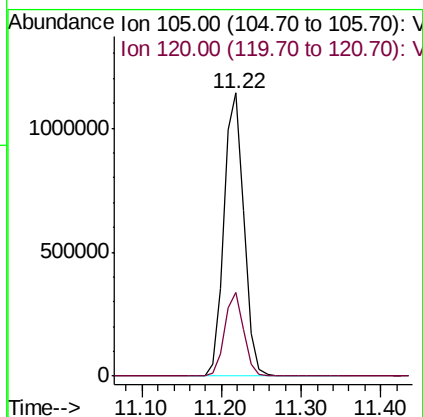
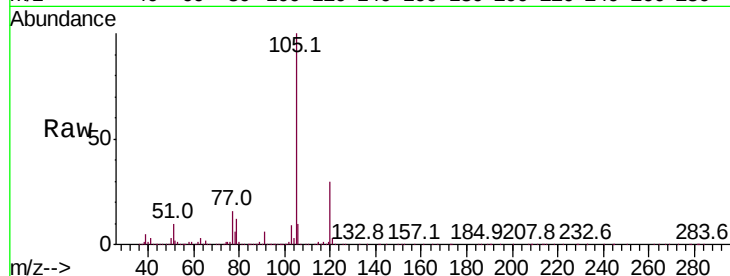
Ion Ratio Lower Upper

105 100

120 29.8 15.1 45.3

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#74

N-ethyl acetate

Concen: 49.853 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion: 43 Resp: 550464

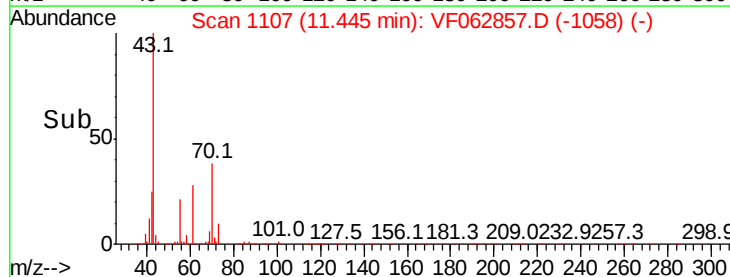
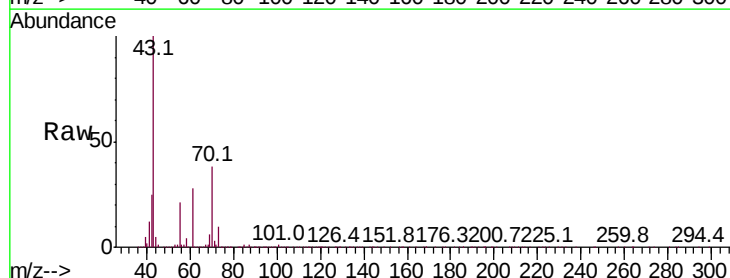
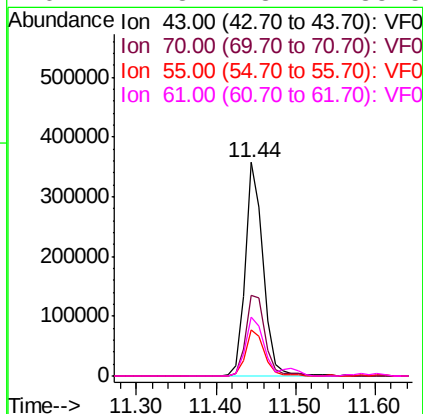
Ion Ratio Lower Upper

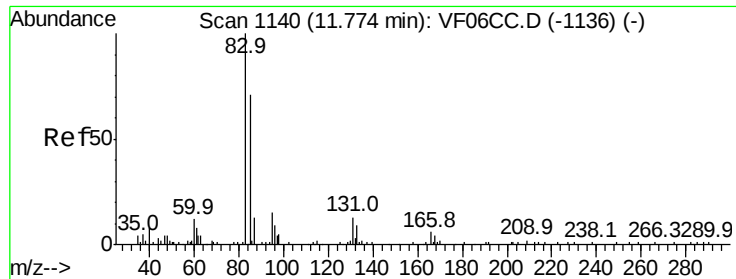
43 100

70 37.8 32.9 49.3

55 21.4 17.3 25.9

61 27.8 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.982 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

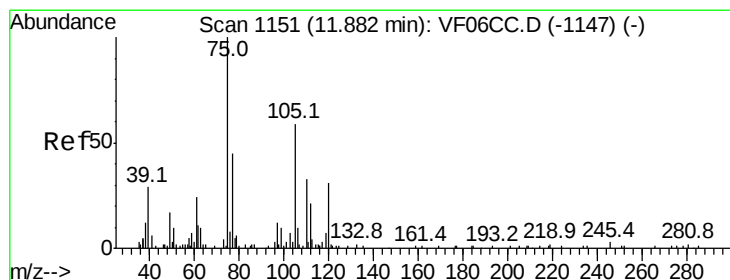
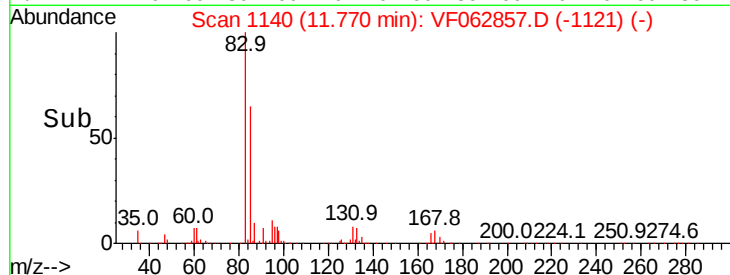
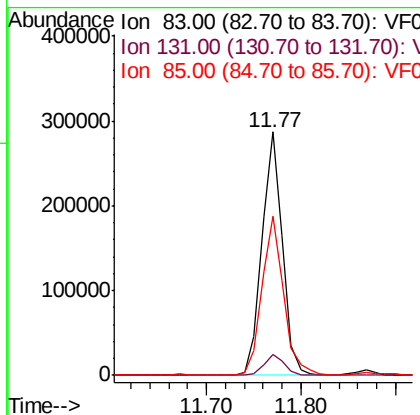
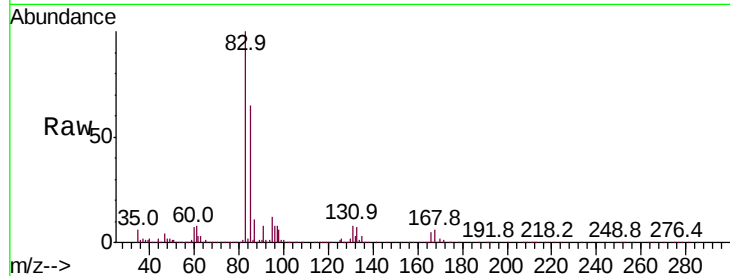
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	434899
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.9	14.7
85	65.1	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.236 ug/l

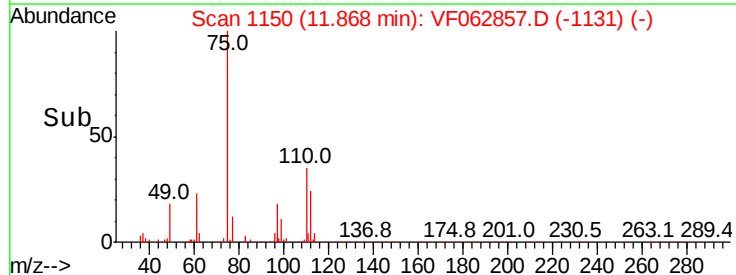
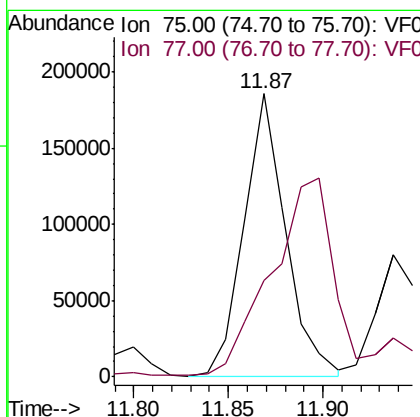
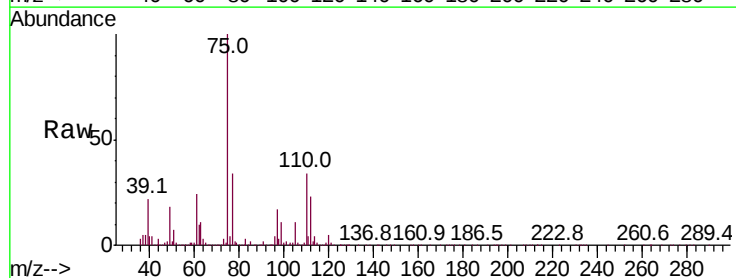
RT: 11.87 min Scan# 1150

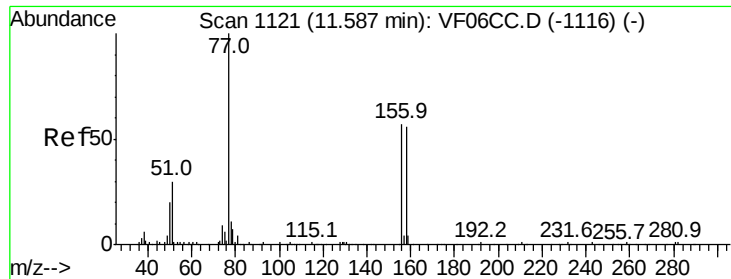
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	75	Resp:	284142
Ion Ratio	Lower	Upper	
75	100		
77	34.2	20.1	60.2





#77

Bromobenzene

Concen: 50.293 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

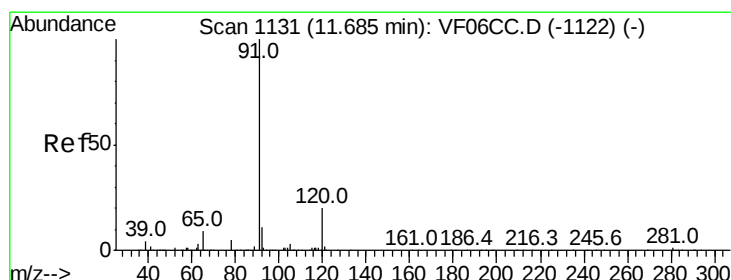
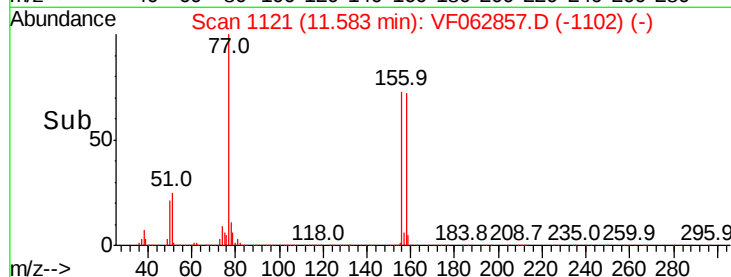
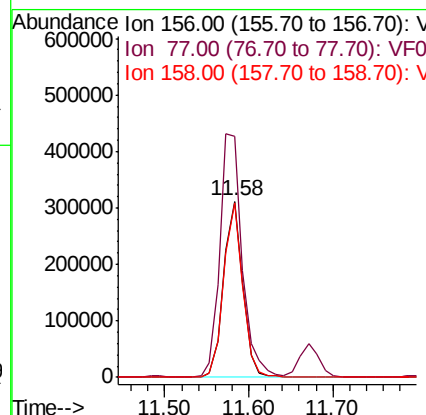
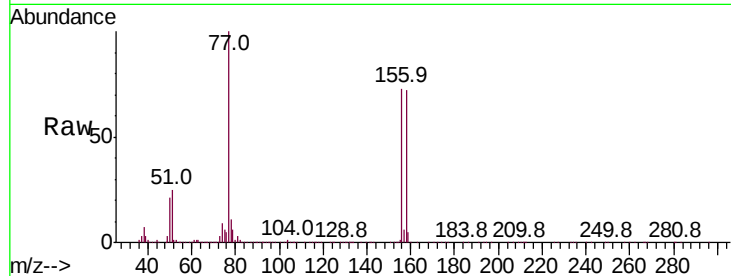
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	495067
Ion Ratio	Lower	Upper	
156	100		
77	137.3	64.2	192.6
158	99.3	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 48.203 ug/l

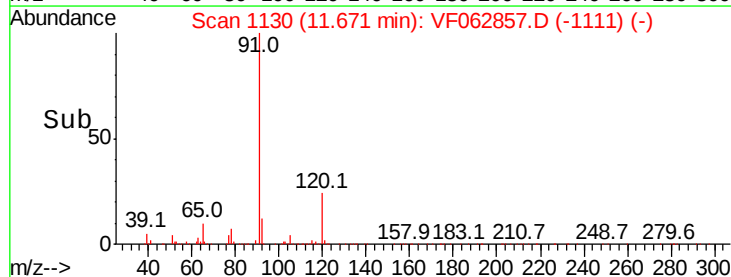
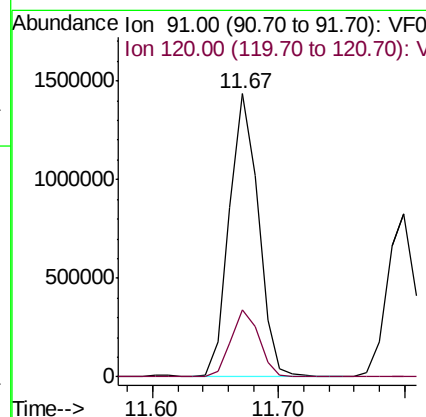
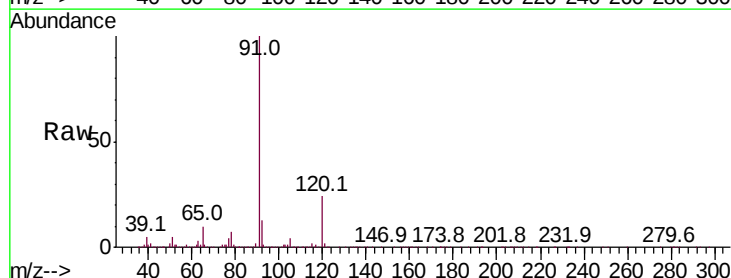
RT: 11.67 min Scan# 1130

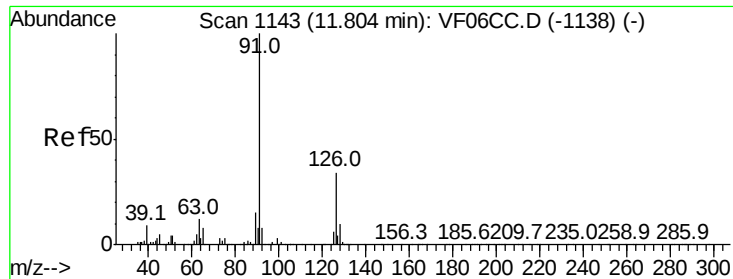
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	91	Resp:	2280167
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.8	38.4





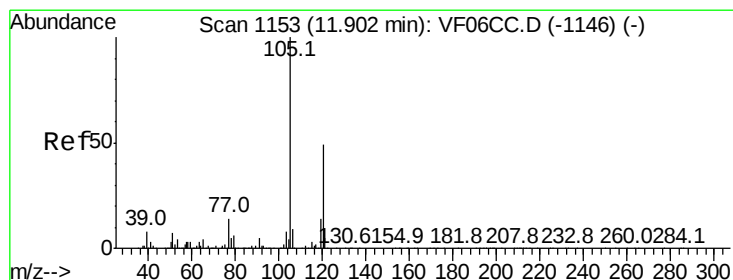
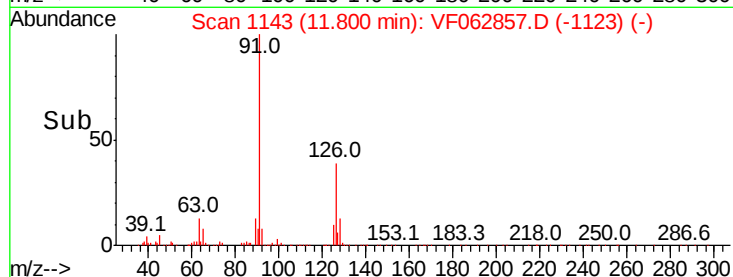
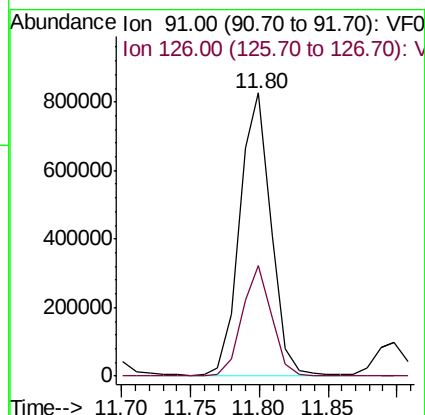
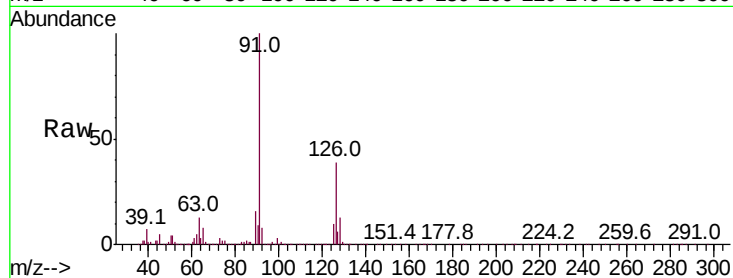
#79
 2-Chlorotoluene
 Concen: 48.004 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1299327
 Ion Ratio Lower Upper
 91 100
 126 38.9 17.8 53.3

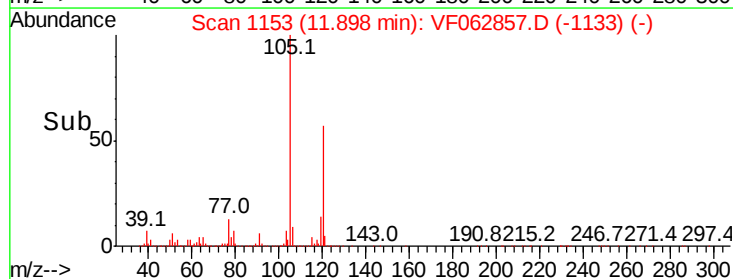
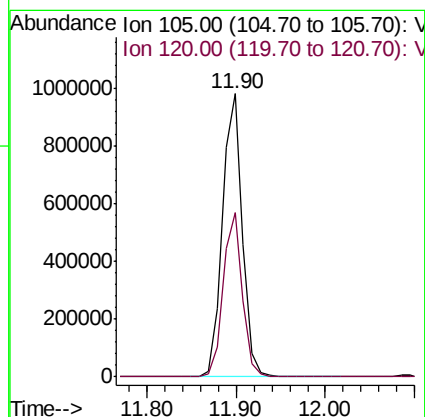
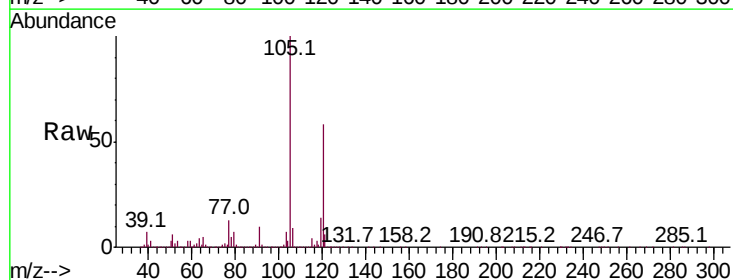
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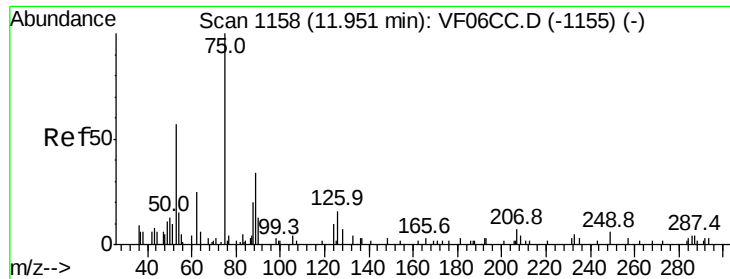
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.170 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion: 105 Resp: 1543319
 Ion Ratio Lower Upper
 105 100
 120 58.0 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.195 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

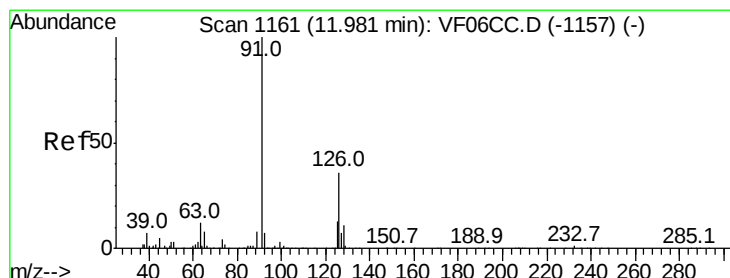
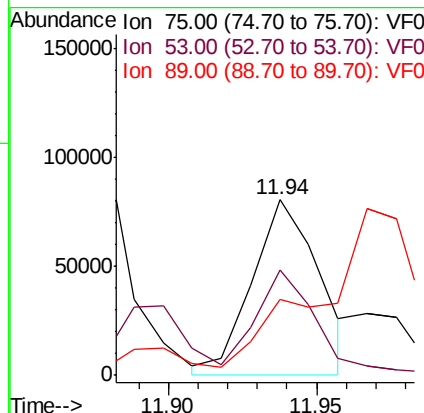
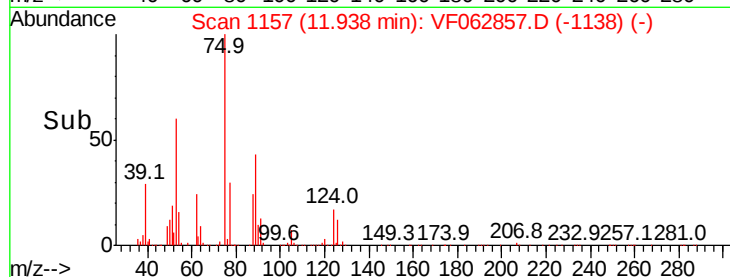
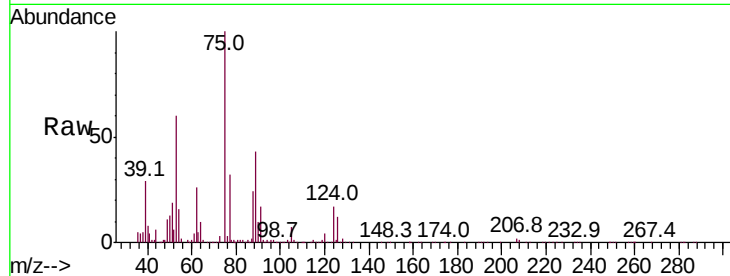
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	127244
Ion Ratio	Lower	Upper	
75	100		
53	59.9	43.5	65.3
89	43.2	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.853 ug/l

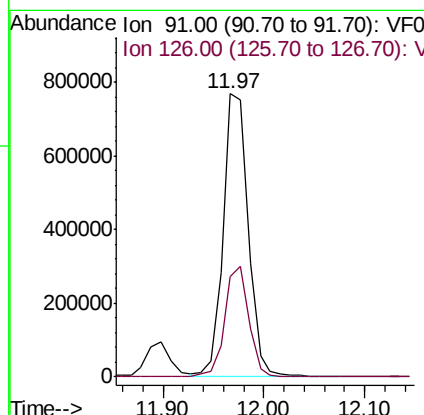
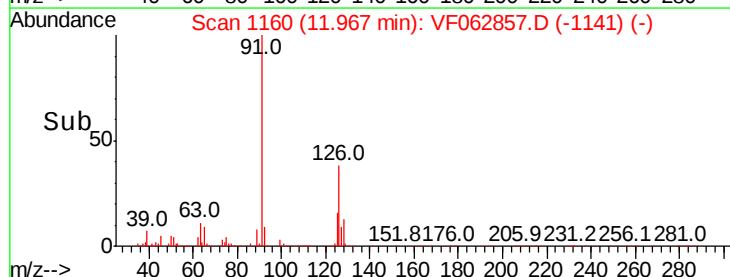
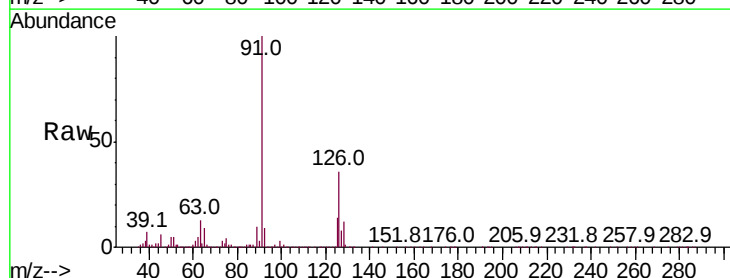
RT: 11.97 min Scan# 1160

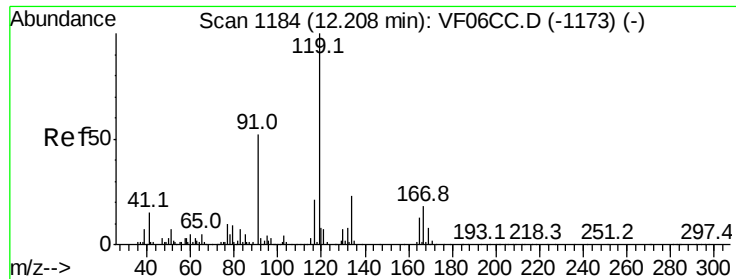
Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	91	Resp:	1326081
Ion Ratio	Lower	Upper	
91	100		
126	35.5	19.1	57.1





#83

tert-Butylbenzene

Concen: 48.590 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1542553

Ion Ratio Lower Upper

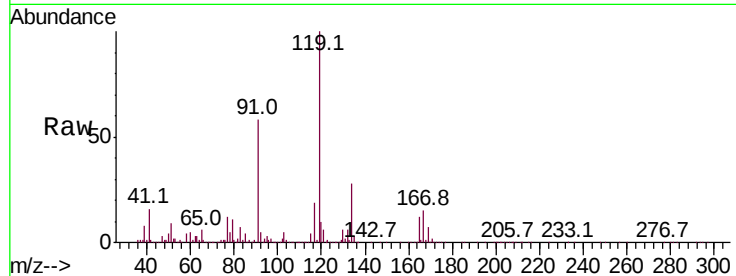
119 100

91 58.0 28.9 86.7

134 27.5 14.3 42.9

Manual Integrations
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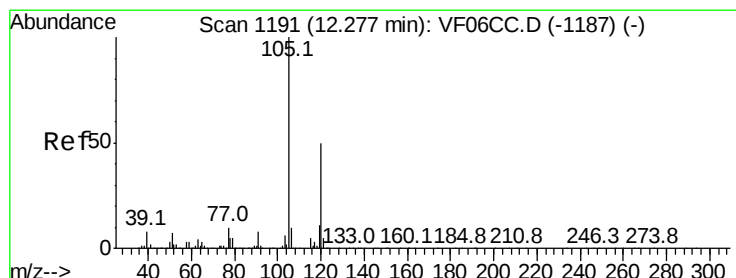
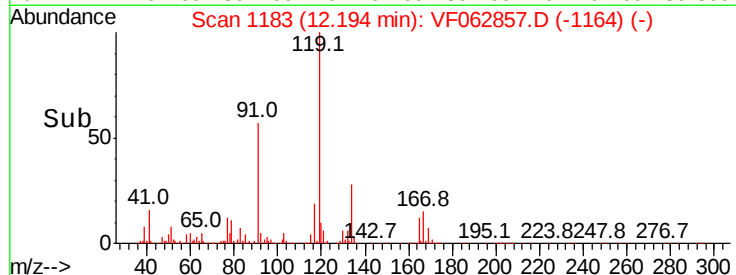
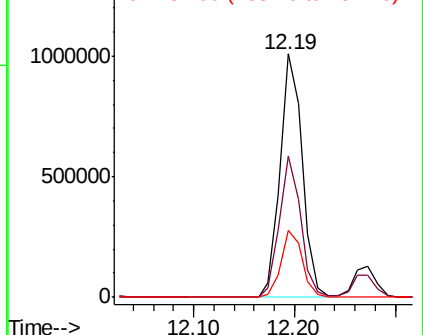
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.995 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VF062857.D

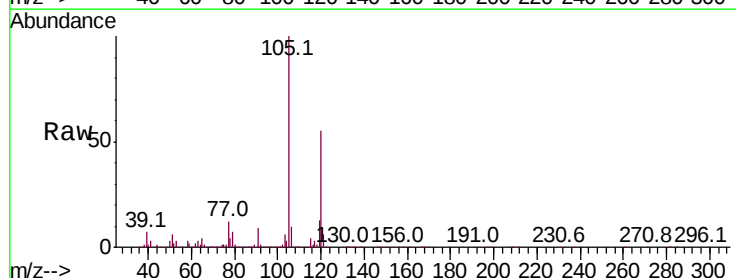
Acq: 4 Jun 2019 23:46

Tgt Ion:105 Resp: 1488313

Ion Ratio Lower Upper

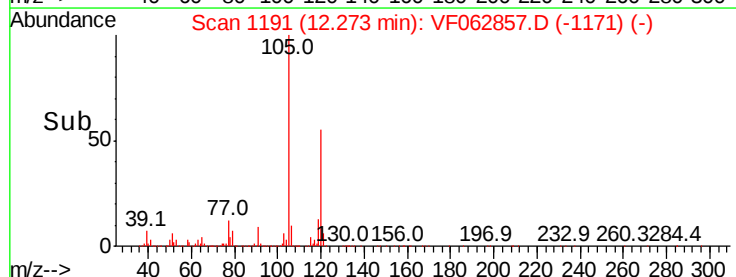
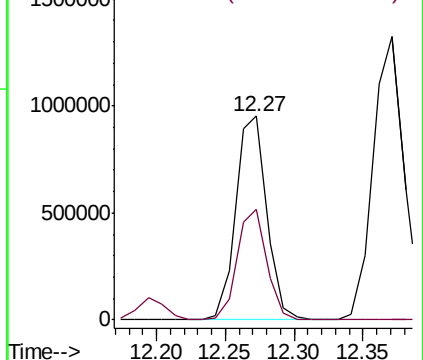
105 100

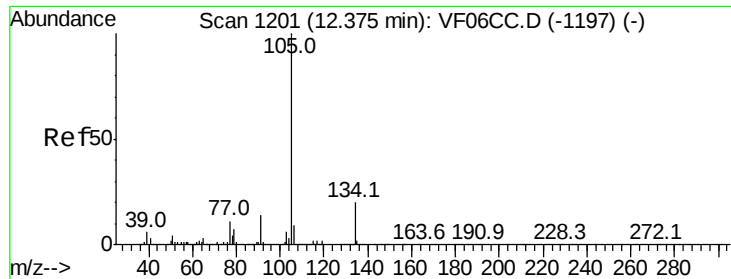
120 54.6 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





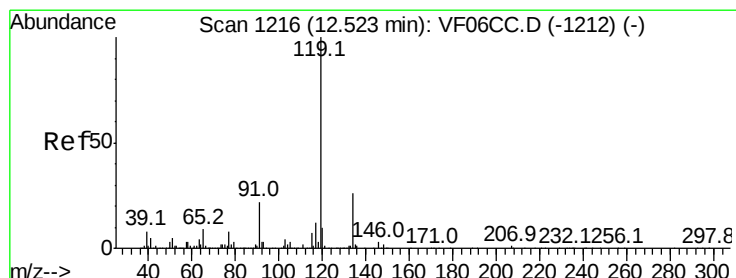
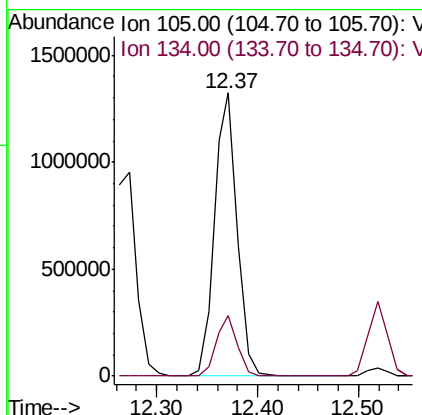
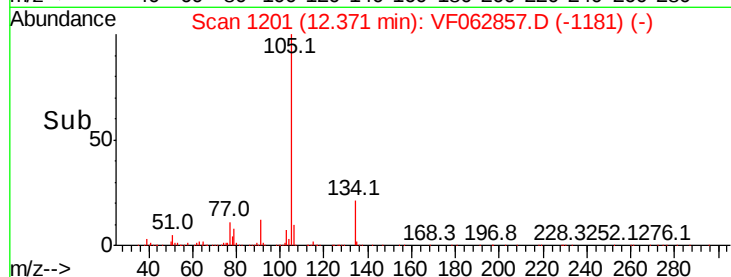
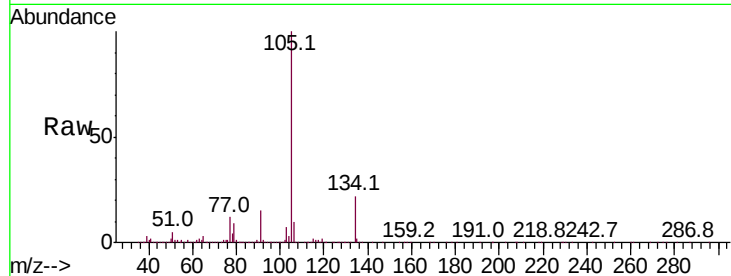
#85
 sec-Butylbenzene
 Concen: 49.358 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 2064726
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.5 31.6

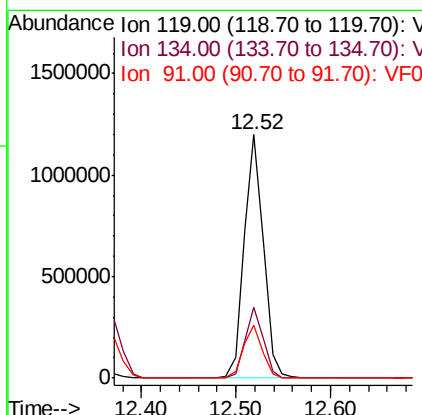
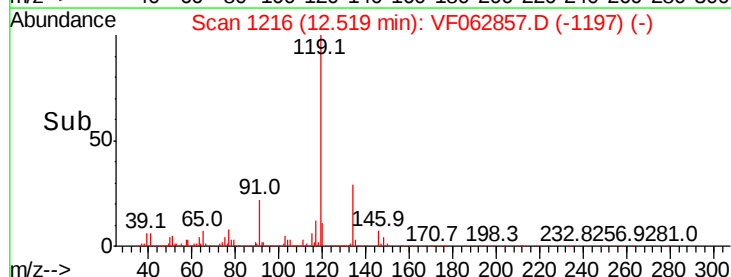
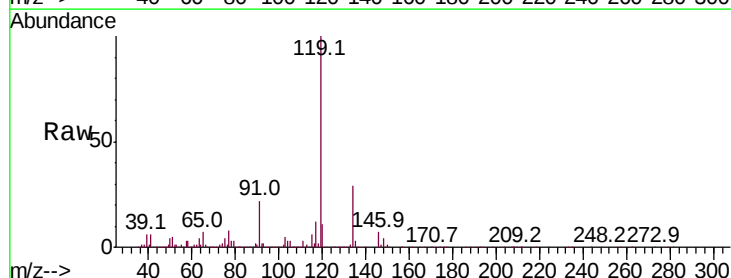
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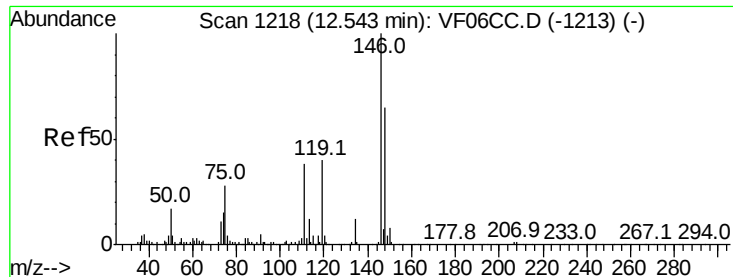
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#86
 p-Isopropyltoluene
 Concen: 47.908 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion:119 Resp: 1668126
 Ion Ratio Lower Upper
 119 100
 134 28.9 15.5 46.5
 91 21.9 10.3 30.9





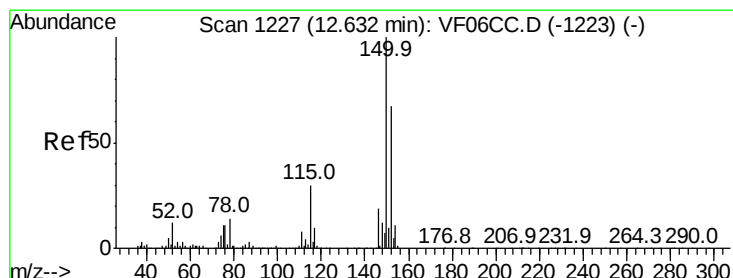
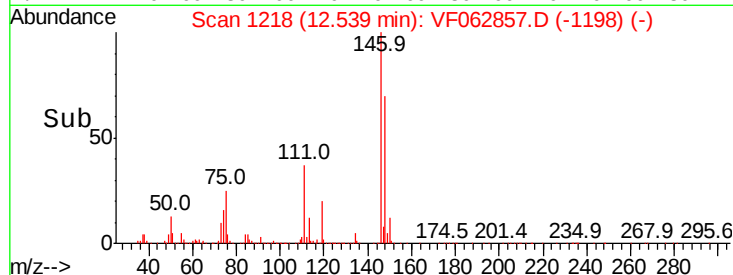
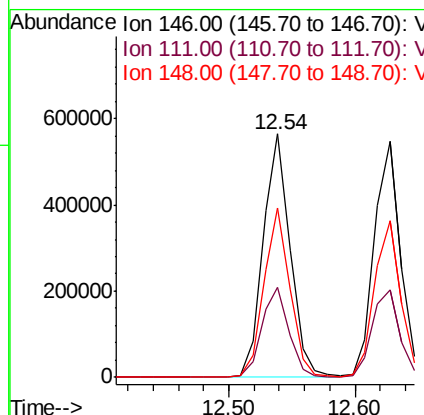
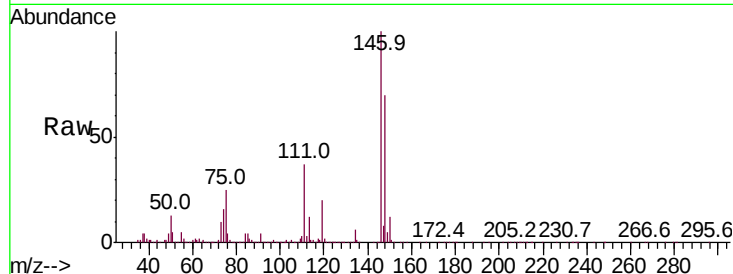
#87
 1,3-Dichlorobenzene
 Concen: 48.532 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.6	58.8
148	69.6	34.2	102.5

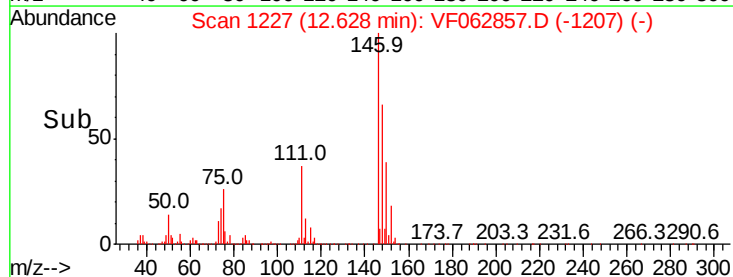
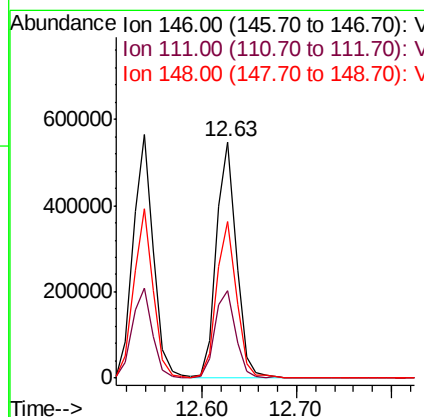
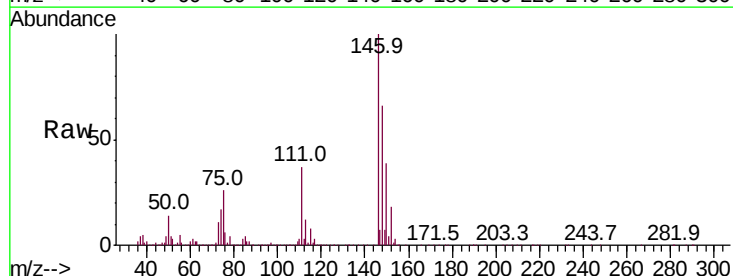
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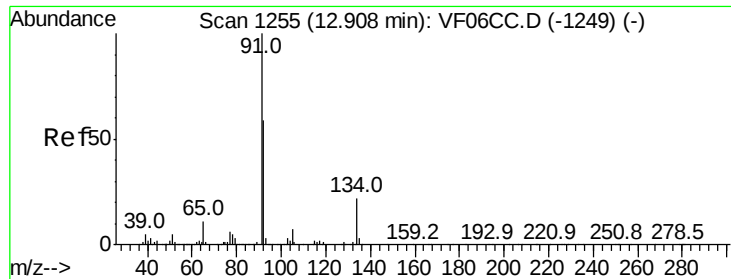
MMDadoda
 6/6/2019 8:49:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.749 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.3	60.9
148	66.5	34.0	101.8





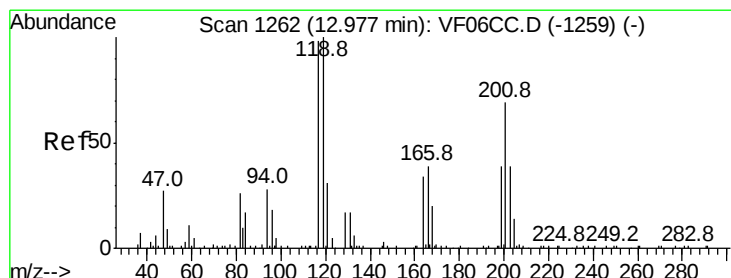
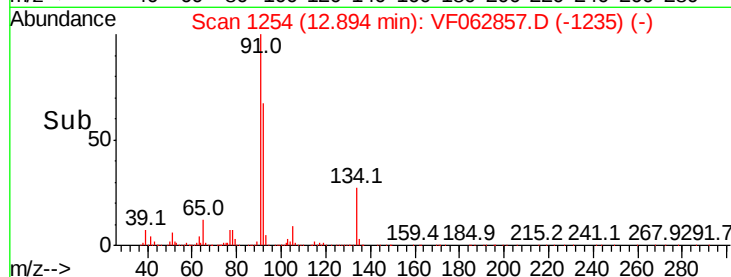
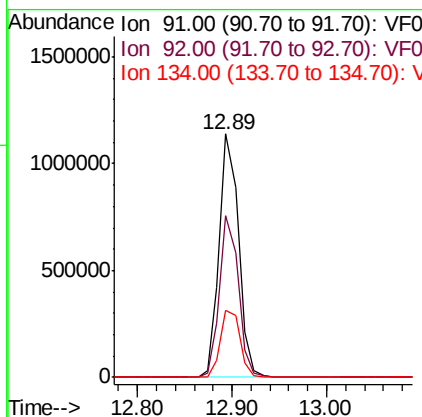
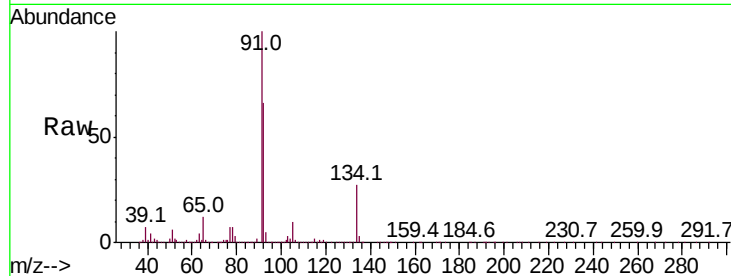
#89
n-Butylbenzene
Concen: 46.323 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.5	34.2	102.6
134	27.3	15.8	47.3

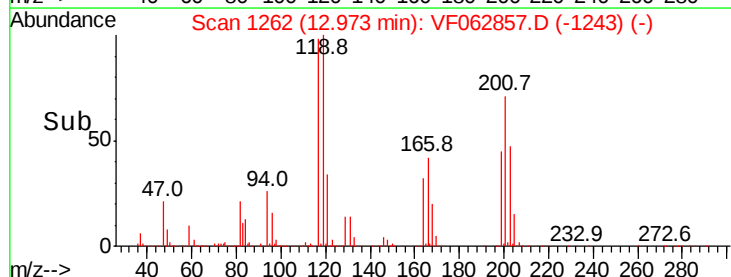
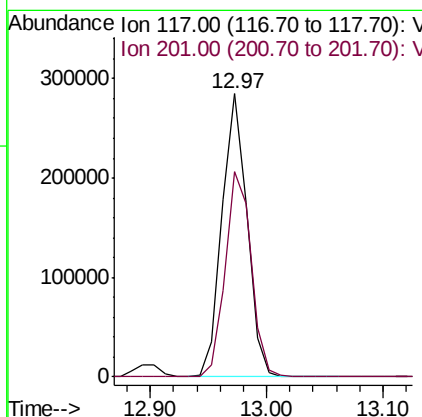
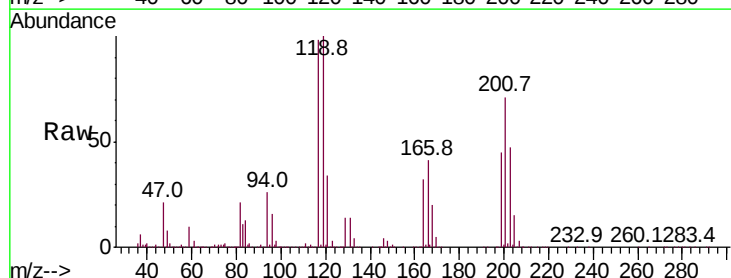
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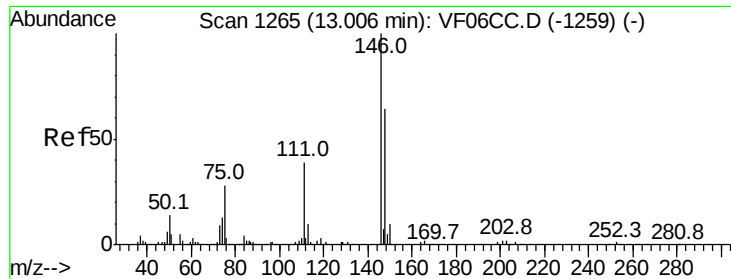
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#90
Hexachloroethane
Concen: 50.296 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	38.9	116.7





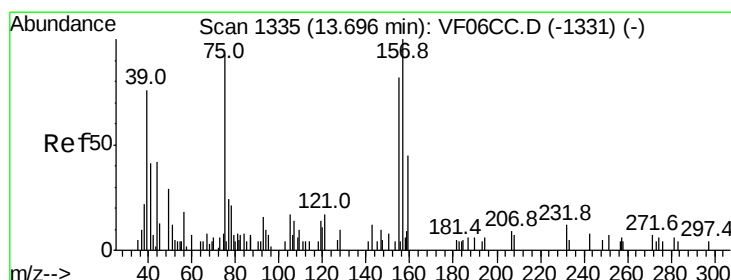
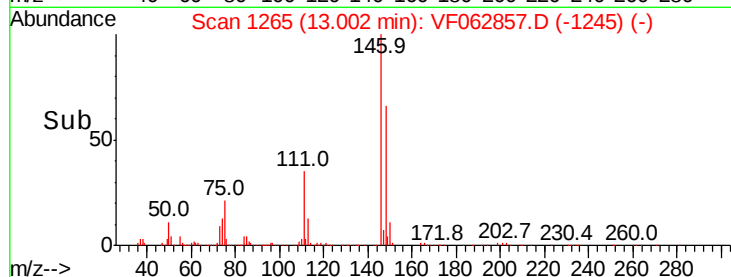
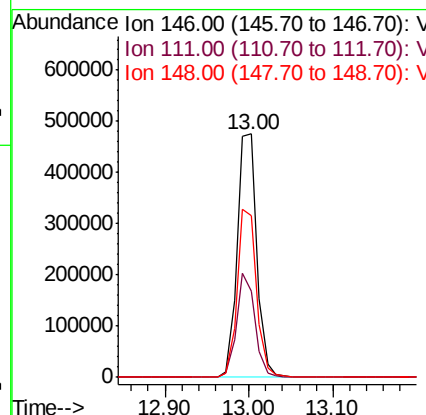
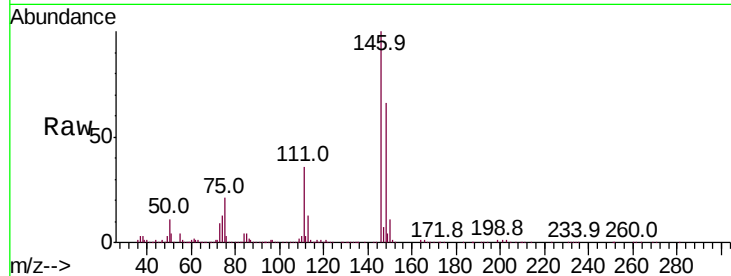
#91
 1,2-Dichlorobenzene
 Concen: 50.608 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.4	61.3
148	66.4	34.1	102.3

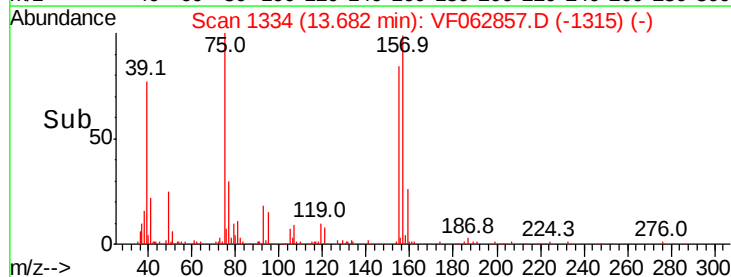
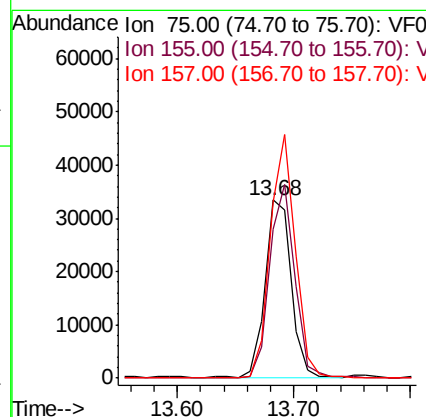
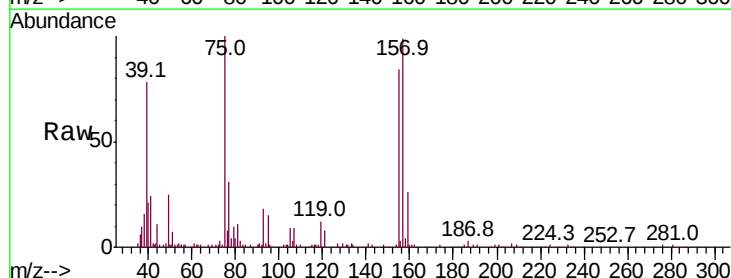
Manual Integrations
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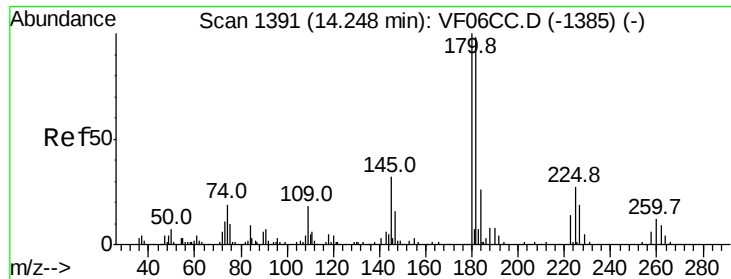
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.567 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VF062857.D
 Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	51.7	155.1
157	98.7	66.8	200.6





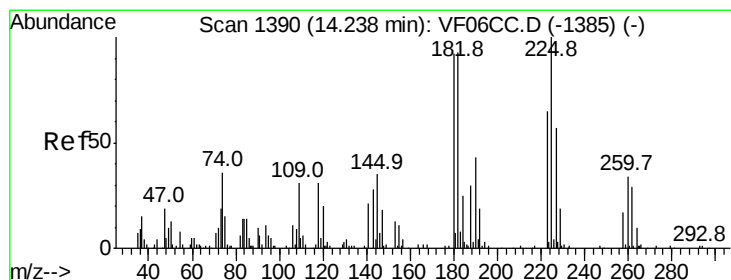
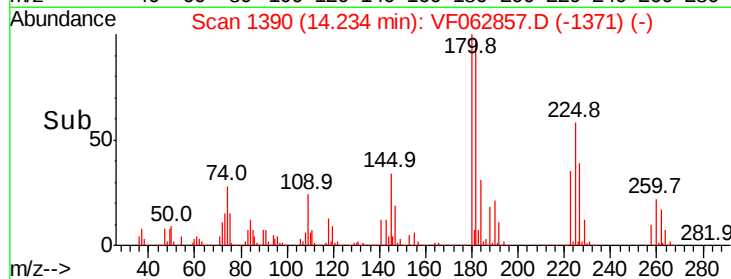
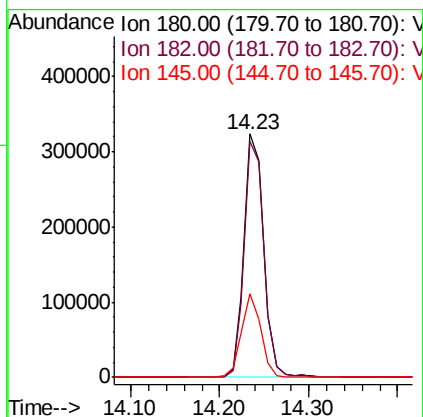
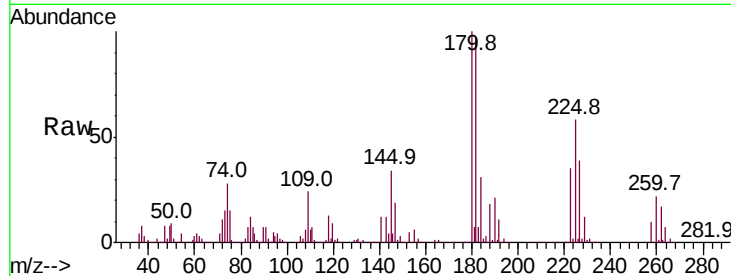
#93
1,2,4-Trichlorobenzene
Concen: 47.263 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	495168		
182	96.7	50.3	150.9	
145	34.2	15.4	46.2	

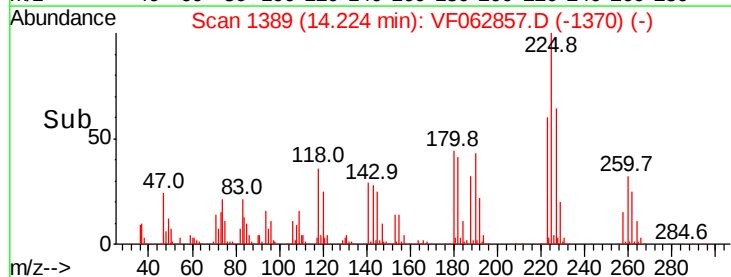
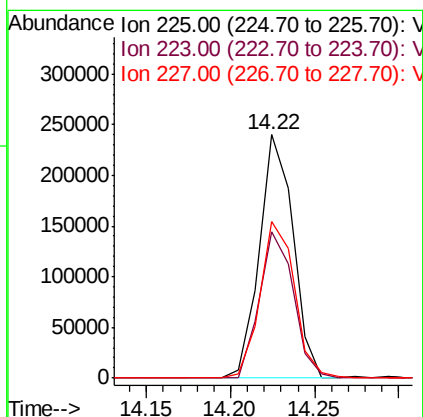
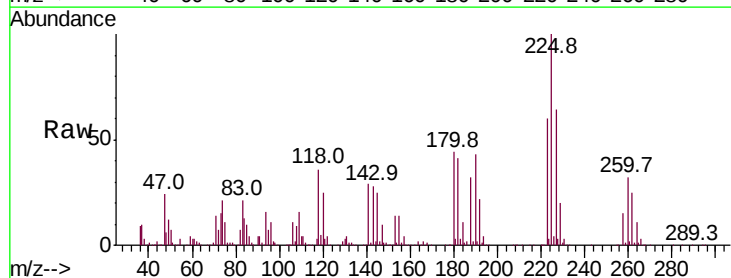
Manual Integrations
APPROVED

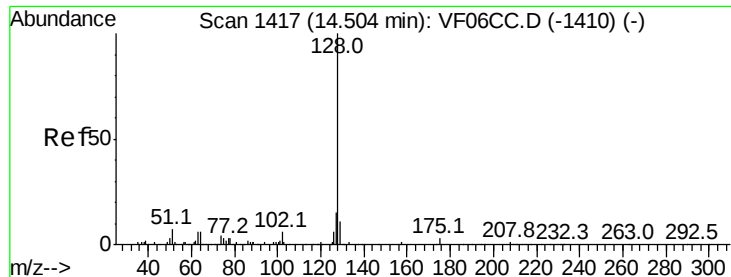
MMDadoda
6/6/2019 8:49:01 AM



#94
Hexachlorobutadiene
Concen: 45.933 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VF062857.D
Acq: 4 Jun 2019 23:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	332919		
223	59.9	30.8	92.4	
227	64.5	31.9	95.5	





#95

Naphthalene

Concen: 51.608 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Instrument :

MSVOA_F

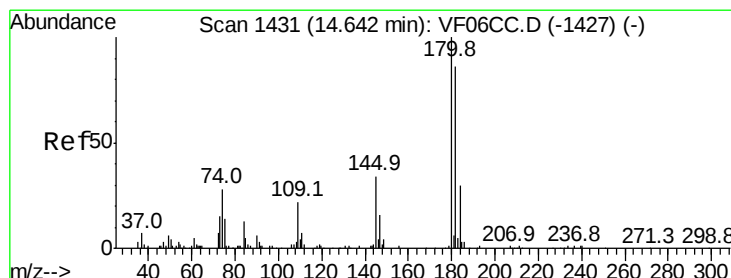
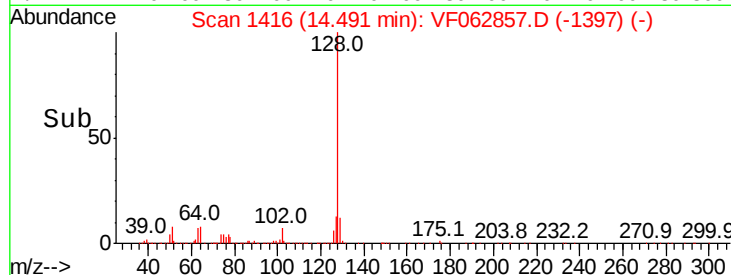
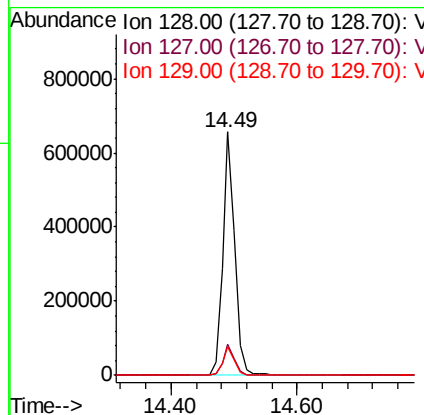
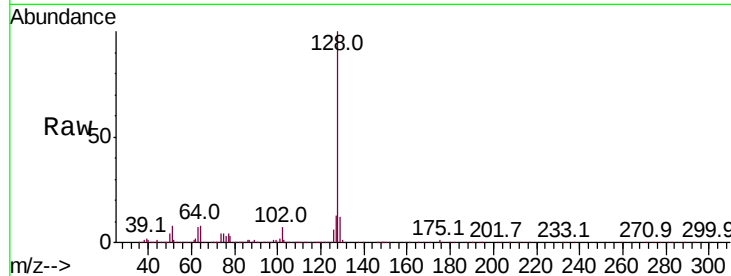
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	885810
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.7	14.5
129	11.6	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/6/2019 8:49:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.761 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062857.D

Acq: 4 Jun 2019 23:46

Tgt Ion:	180	Resp:	475889
Ion Ratio	Lower	Upper	
180	100		
182	99.9	48.6	145.9
145	28.7	15.7	47.0

