

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062905.D
 Acq On : 10 Jun 2019 13:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:36 PM

Quant Time: Jun 11 01:41:50 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	5.06	168	841562	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1394876	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1063095	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	499802	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	277090	47.61	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.22%	
35) Dibromofluoromethane	4.32	113	524950	49.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.60%	
50) Toluene-d8	7.71	98	1352389	50.74	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.49	95	448488	46.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	446770	46.628	ug/l	98
3) Chloromethane	1.14	50	397210	45.616	ug/l	96
4) Vinyl Chloride	1.19	62	412176	47.633	ug/l	92
5) Bromomethane	1.39	94	248362	50.328	ug/l	96
6) Chloroethane	1.45	64	167924	51.903	ug/l	94
7) Trichlorofluoromethane	1.56	101	646962	52.813	ug/l	94
8) Diethyl Ether	1.71	74	116321	48.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	369963	48.037	ug/l	98
10) Methyl Iodide	1.99	142	746261m	48.326	ug/l	
11) Tert butyl alcohol	2.70	59	94503	268.065	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	332308	47.517	ug/l	99
13) Acrolein	2.10	56	36315	258.119	ug/l #	74
14) Allyl chloride	2.20	41	359842m	66.325	ug/l	
15) Acrylonitrile	3.09	53	381389	287.909	ug/l	98
16) Acetone	2.35	43	350252	262.963	ug/l	100
17) Carbon Disulfide	1.91	76	966428	47.281	ug/l	99
18) Methyl Acetate	2.46	43	101028	43.405	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	622260	49.112	ug/l	100
20) Methylene Chloride	2.29	84	353337m	53.164	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	357005	50.914	ug/l	98
22) Diisopropyl ether	2.94	45	754506	48.949	ug/l	95
23) Vinyl Acetate	3.35	43	2744568	260.082	ug/l	97
24) 1,1-Dichloroethane	3.02	63	609904	52.994	ug/l	99
25) 2-Butanone	4.52	43	774275	249.622	ug/l	98
26) 2,2-Dichloropropane	3.78	77	419526	64.199	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	638649	54.184	ug/l	95
28) Bromochloromethane	3.90	49	330134	52.735	ug/l	96
29) Tetrahydrofuran	4.27	42	305342	257.380	ug/l	99
30) Chloroform	4.05	83	839325	51.746	ug/l	94
31) Cyclohexane	3.87	56	788598	50.611	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	562499	59.562	ug/l	95
36) 1,1-Dichloropropene	4.47	75	668347	52.047	ug/l	98
37) Ethyl Acetate	4.31	43	237128	48.308	ug/l #	77
38) Carbon Tetrachloride	4.19	117	503772	58.048	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	869928	54.432	ug/l	97
40) Benzene	4.83	78	1957460	52.377	ug/l	99
41) Methacrylonitrile	4.94	41	144691	53.023	ug/l	94
42) 1,2-Dichloroethane	5.14	62	369408	51.971	ug/l	98
43) Isopropyl Acetate	7.12	43	316958	48.880	ug/l	98
44) Trichloroethene	5.69	130	549851	52.132	ug/l	100
45) 1,2-Dichloropropane	6.41	63	499793	53.292	ug/l	99
46) Dibromomethane	6.26	93	297807	54.389	ug/l	94
47) Bromodichloromethane	6.55	83	598824	53.700	ug/l	98
48) Methyl methacrylate	6.88	41	176701	52.875	ug/l	98
49) 1,4-Dioxane	6.87	88	46954	1065.940	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	1187238	256.450	ug/l	99
52) Toluene	7.79	92	1081494	53.728	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	493571	53.414	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	706209	52.798	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	317380	52.777	ug/l	99
56) Ethyl methacrylate	8.75	69	334335	51.816	ug/l	97
57) 1,3-Dichloropropane	9.00	76	522010	53.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	528638	234.426	ug/l	96
59) 2-Hexanone	9.62	43	797761	241.763	ug/l	99
60) Dibromochloromethane	8.86	129	417963	56.139	ug/l	98
61) 1,2-Dibromoethane	9.13	107	333598	53.415	ug/l	94
64) Tetrachloroethene	8.31	164	420216	51.439	ug/l	98
65) Chlorobenzene	9.94	112	1067055	51.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	453388	55.452	ug/l	97
67) Ethyl Benzene	10.03	91	1855516	52.668	ug/l	98
68) m/p-Xylenes	10.26	106	1369161	101.559	ug/l	99
69) o-Xylene	10.81	106	734385	53.803	ug/l	99
70) Styrene	10.89	104	1058102	52.594	ug/l	98
71) Bromoform	10.88	173	227035	57.883	ug/l #	97
73) Isopropylbenzene	11.22	105	1860843	53.359	ug/l	99
74) N-amyl acetate	11.44	43	454842	46.275	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	388596	52.178	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	248877	50.415	ug/l	94
77) Bromobenzene	11.58	156	455489	51.982	ug/l	96
78) n-propylbenzene	11.67	91	2140229	50.827	ug/l	97
79) 2-Chlorotoluene	11.80	91	1217900	50.548	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	1476117	51.758	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	99530m	47.622	ug/l	
82) 4-Chlorotoluene	11.97	91	1203194	50.814	ug/l	95
83) tert-Butylbenzene	12.19	119	1604831	56.789	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1479925	54.730	ug/l	97
85) sec-Butylbenzene	12.37	105	2112343	56.727	ug/l	98
86) p-Isopropyltoluene	12.52	119	1675967	54.073	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	802749	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	758256	52.577	ug/l	97
89) n-Butylbenzene	12.89	91	1659566	53.228	ug/l	97
90) Hexachloroethane	12.97	117	448068	59.272	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	724531	53.342	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	46916	57.823	ug/l	85

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	525535	56.351	ug/l	96
94) Hexachlorobutadiene	14.22	225	372730	57.771	ug/l	98
95) Naphthalene	14.49	128	883861	57.848	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	489626	57.514	ug/l	99

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

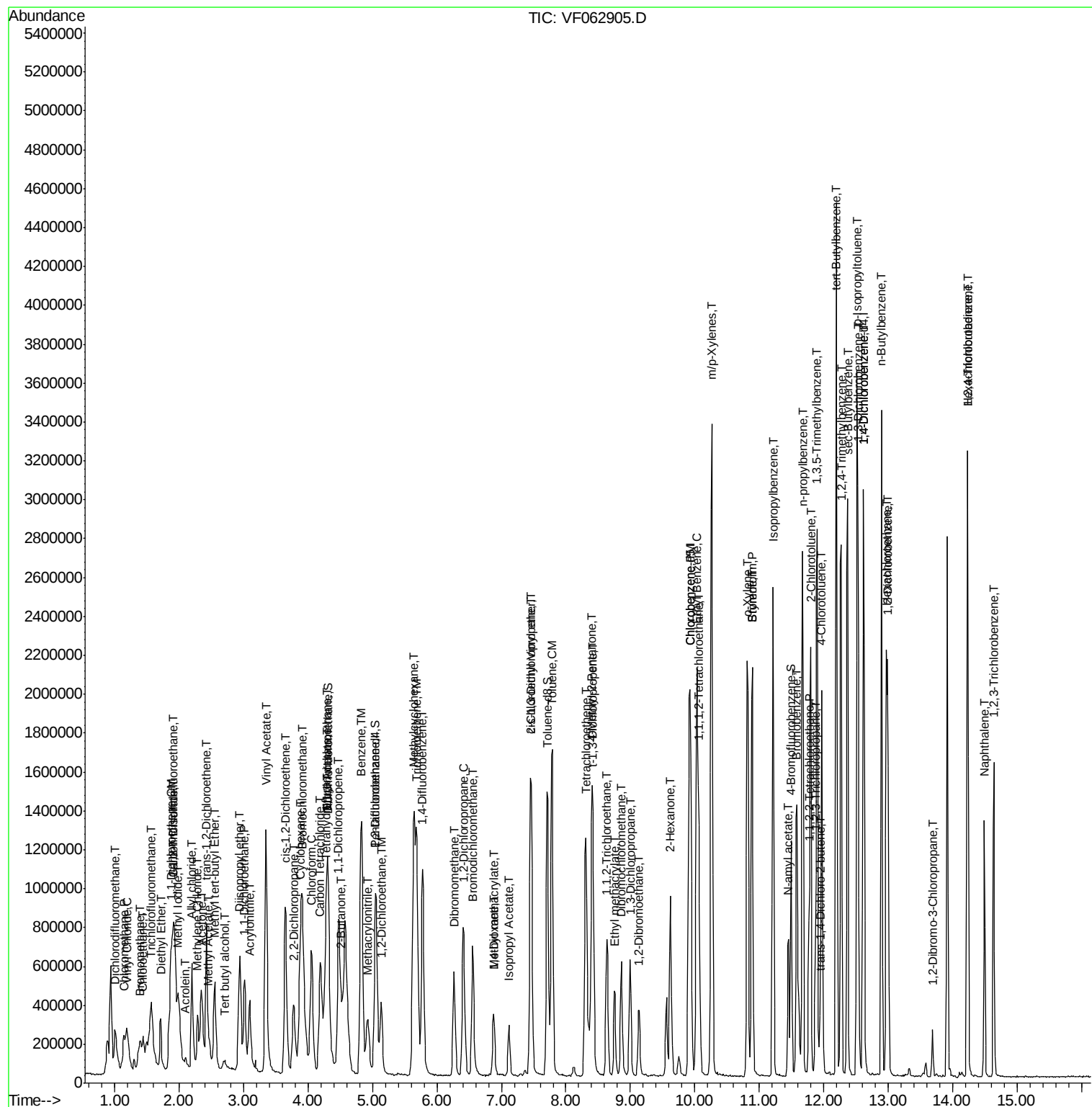
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 Data File : VF062905.D
 Acq On : 10 Jun 2019 13:56
 Operator : FY/SY
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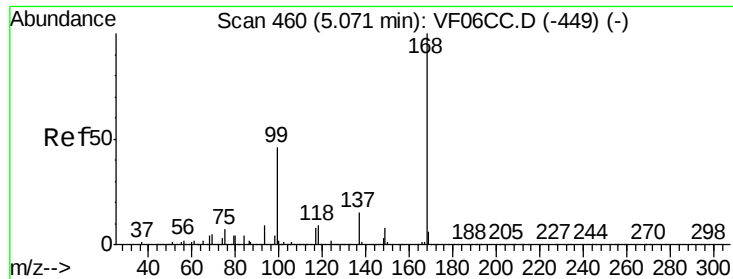
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

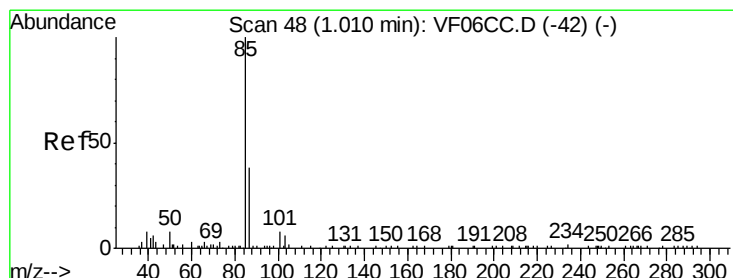
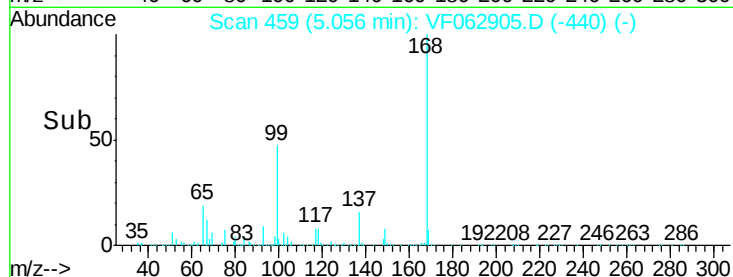
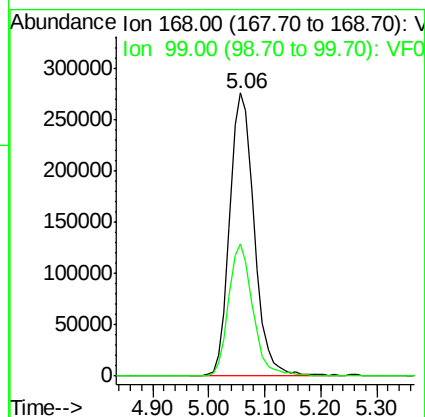
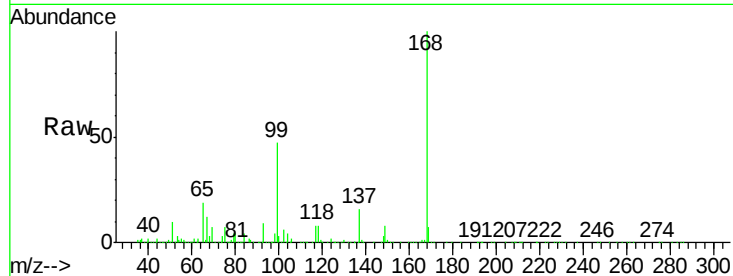
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.9	39.1	58.7

Manual Integrations
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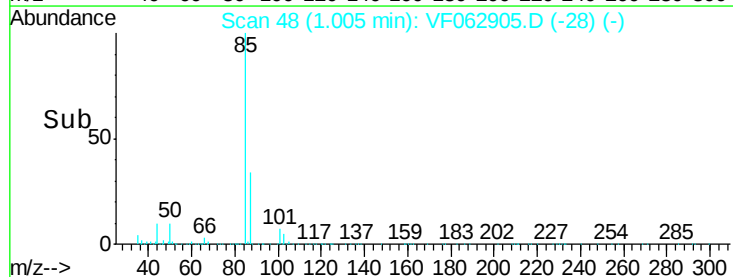
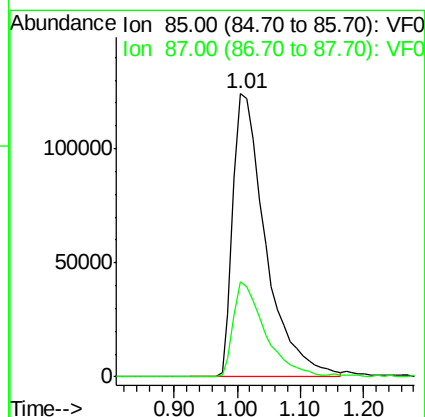
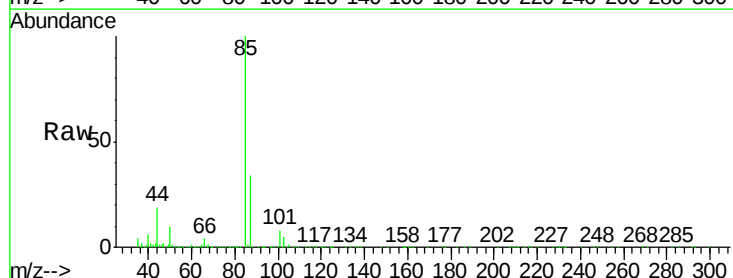
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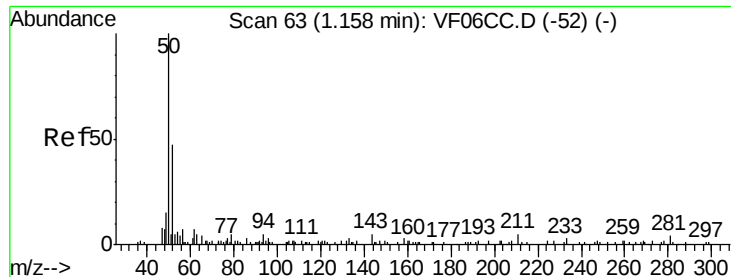


#2

Dichlorodifluoromethane
 Concen: 46.628 ug/l
 RT: 1.01 min Scan# 48
 Delta R.T. -0.01 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	17.6	52.9





#3

Chloromethane

Concen: 45.616 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 397210

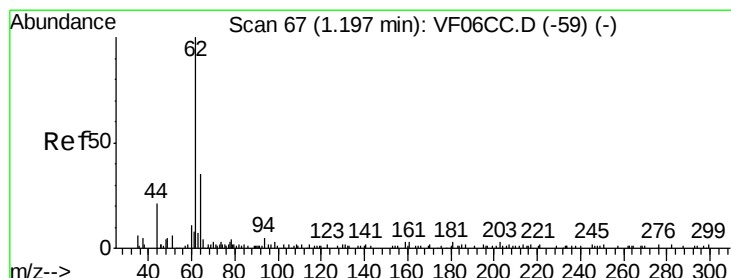
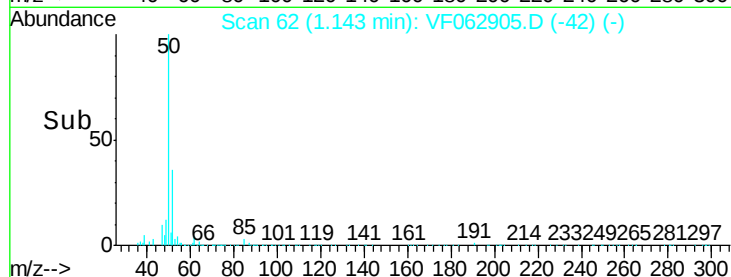
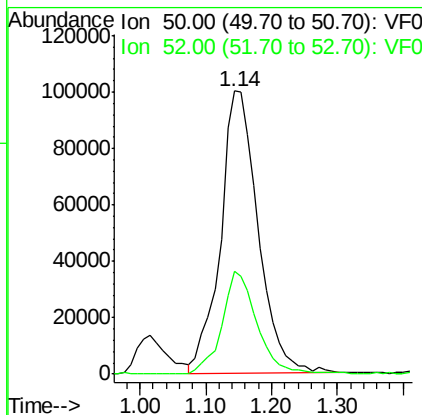
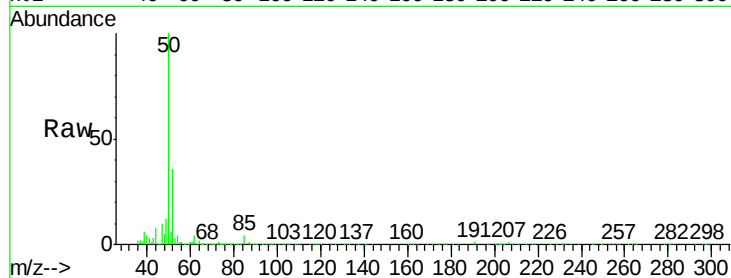
Ion Ratio Lower Upper

50 100

52 36.2 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.633 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062905.D

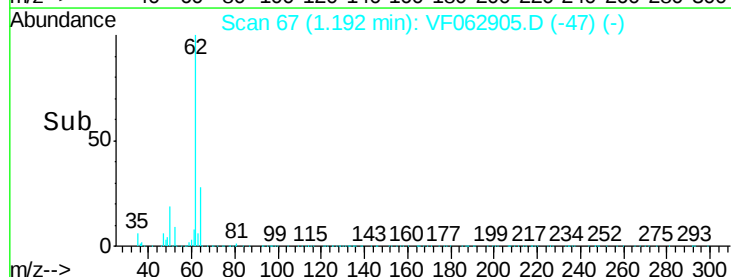
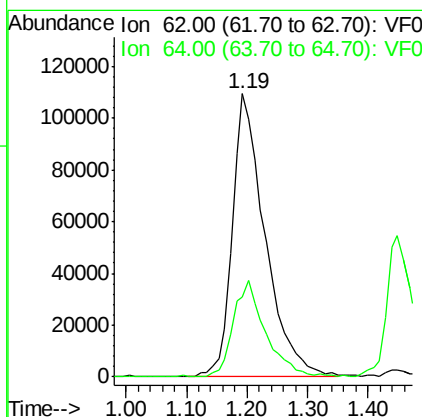
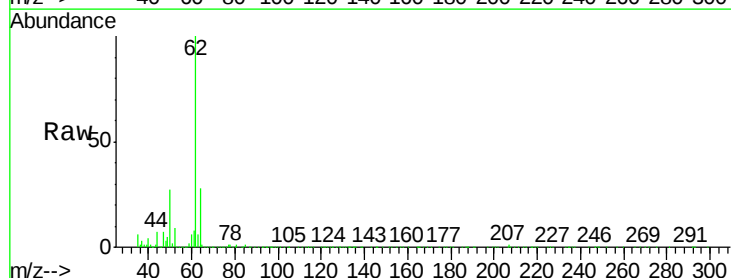
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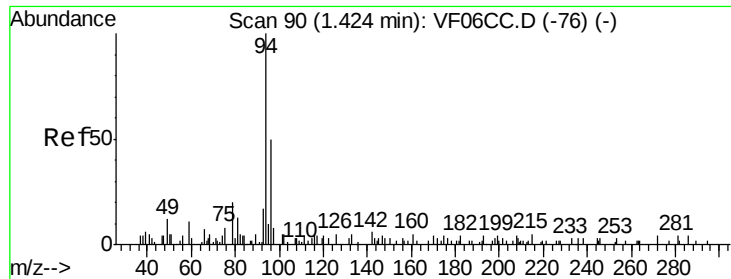
Tgt Ion: 62 Resp: 412176

Ion Ratio Lower Upper

62 100

64 28.0 26.2 39.2





#5

Bromomethane

Concen: 50.328 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 248362

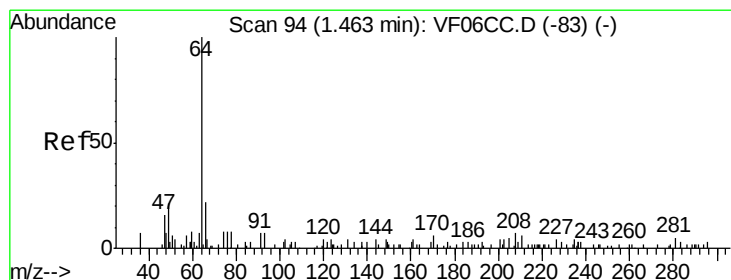
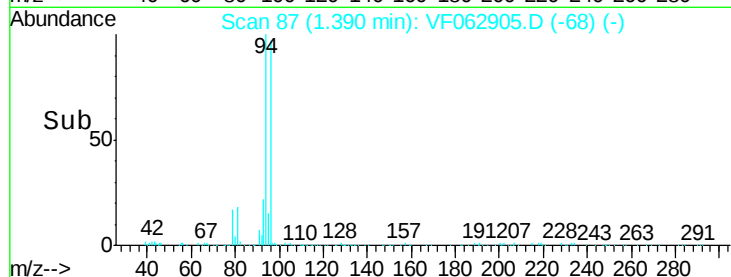
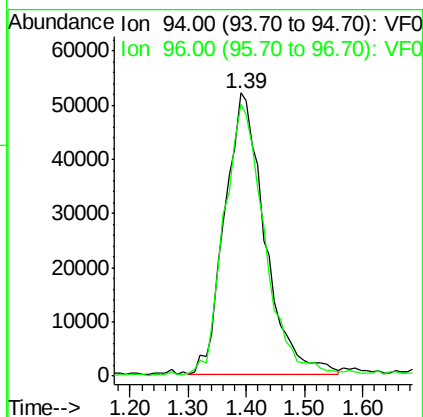
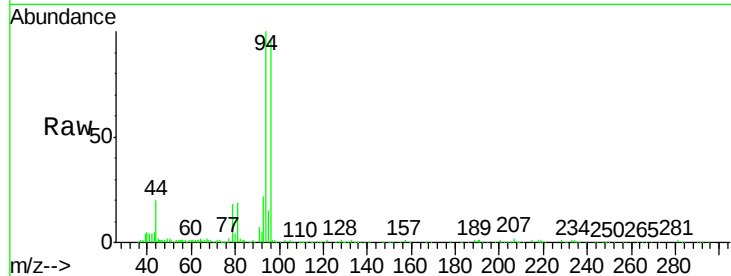
Ion Ratio Lower Upper

94 100

96 96.1 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 51.903 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062905.D

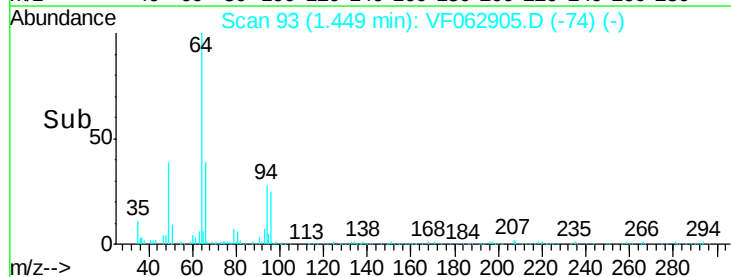
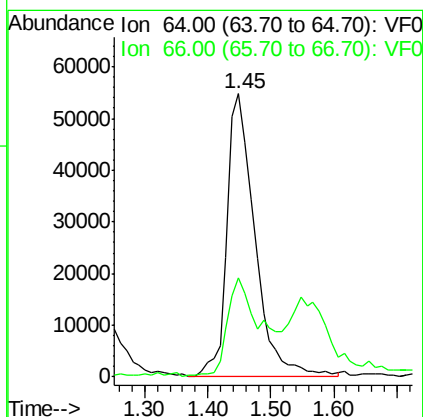
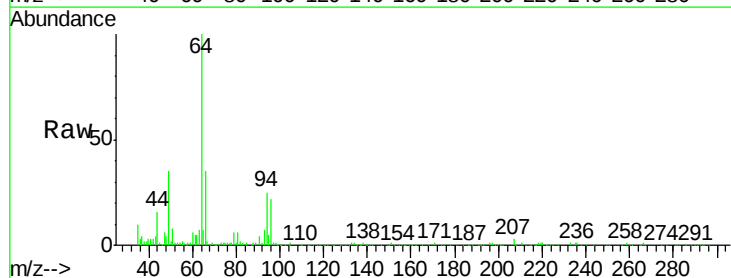
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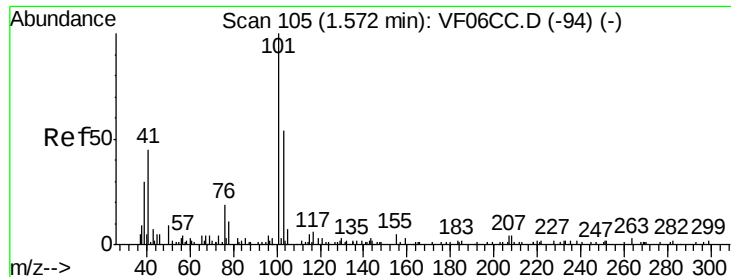
Tgt Ion: 64 Resp: 167924

Ion Ratio Lower Upper

64 100

66 34.9 31.0 46.4





#7

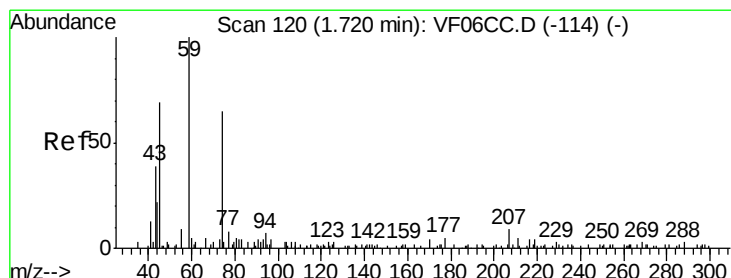
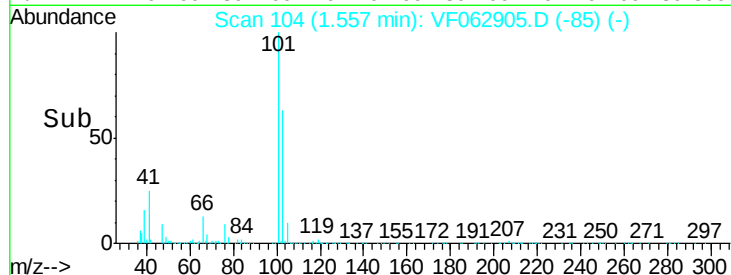
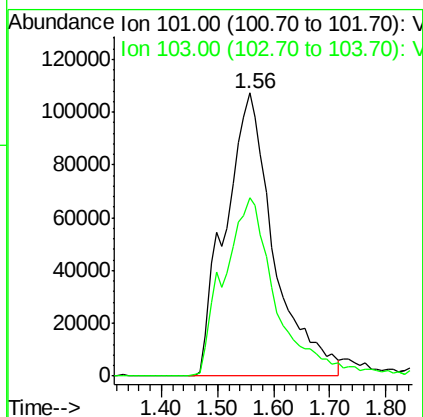
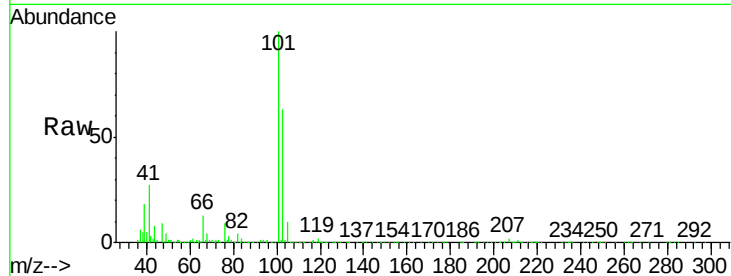
Trichlorofluoromethane
Concen: 52.813 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	54.6	82.0

Manual Integrations
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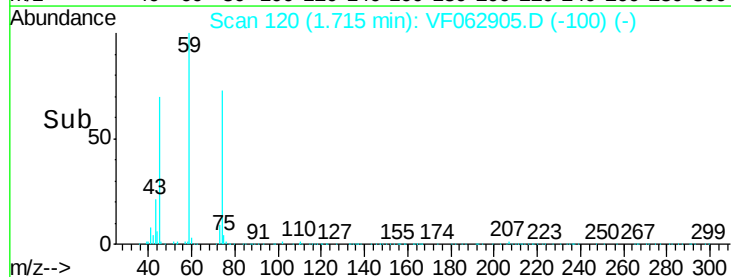
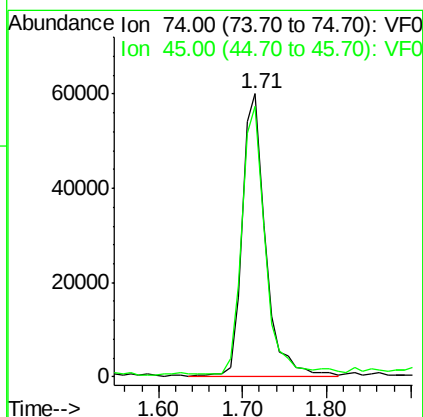
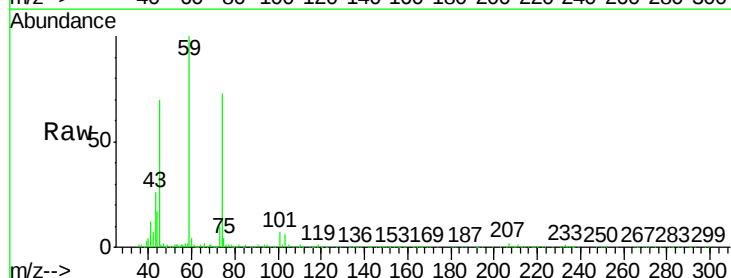
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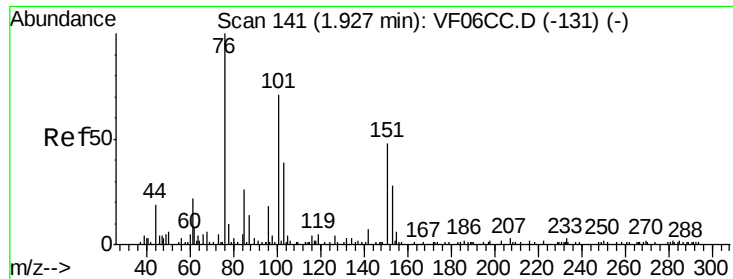


#8

Diethyl Ether
Concen: 48.264 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.037 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

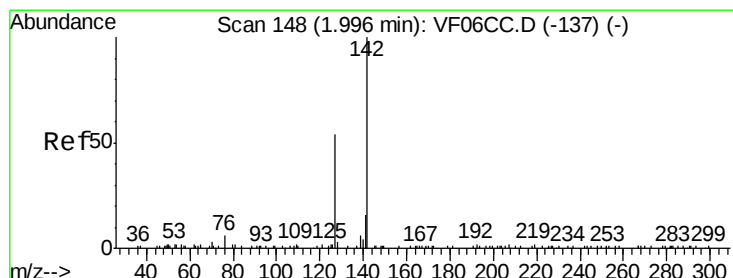
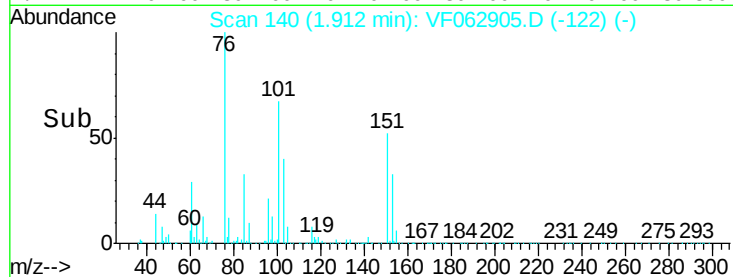
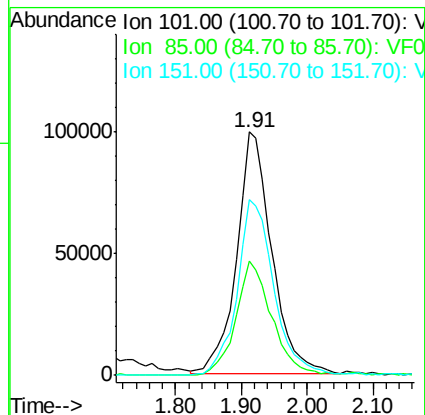
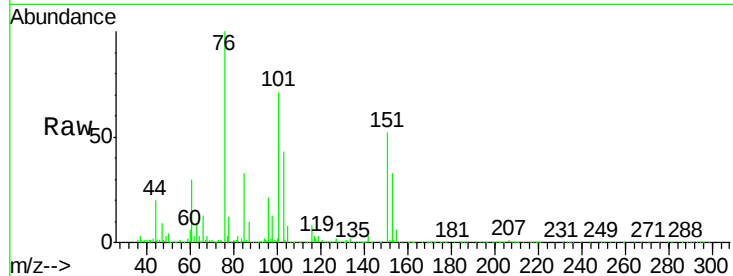
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	369963
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.1	55.7
151	72.3	60.3	90.5

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#10

Methyl Iodide

Concen: 48.326 ug/l m

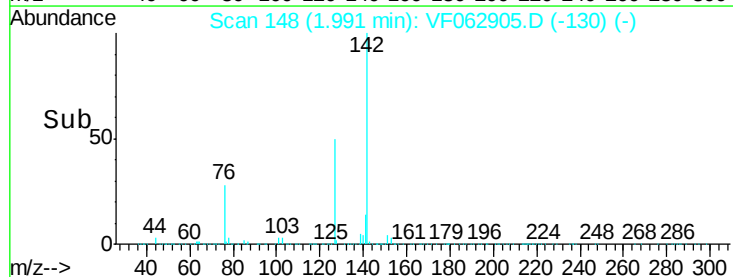
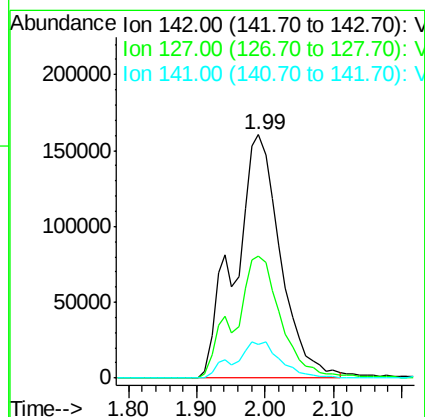
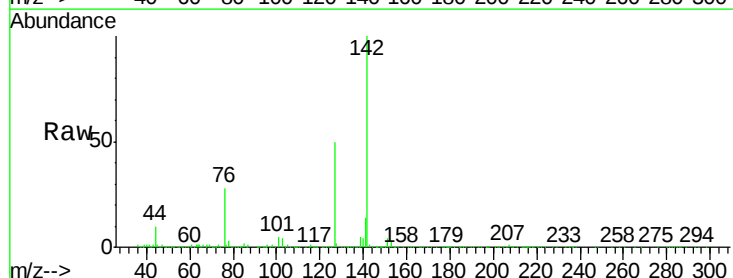
RT: 1.99 min Scan# 148

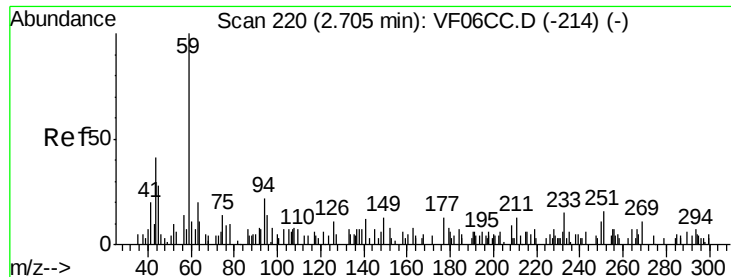
Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	142	Resp:	746261
Ion Ratio	Lower	Upper	
142	100		
127	50.0	39.4	59.2
141	13.9	10.6	15.8





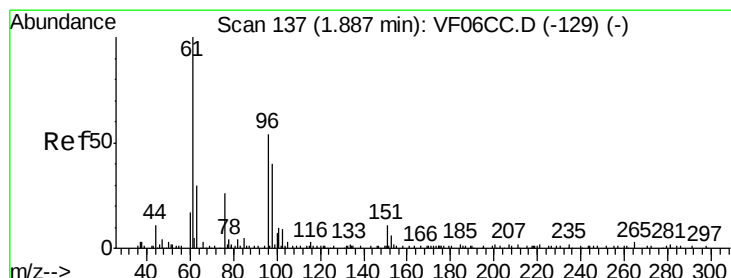
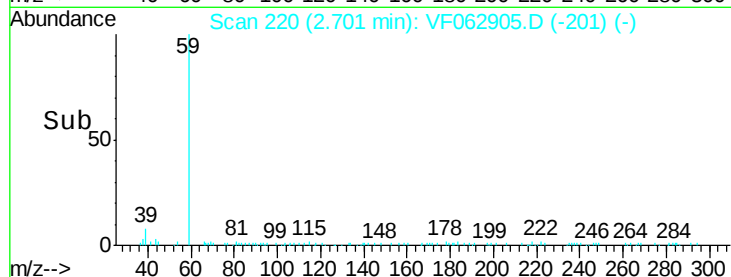
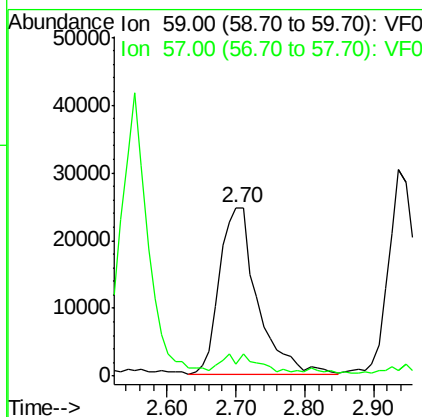
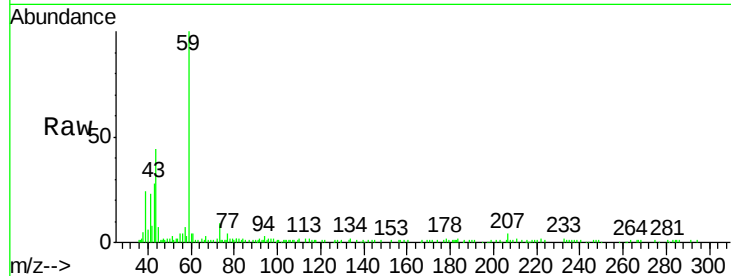
#11
Tert butyl alcohol
Concen: 268.065 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	94503		
57	57	7.2		9.2	13.8#

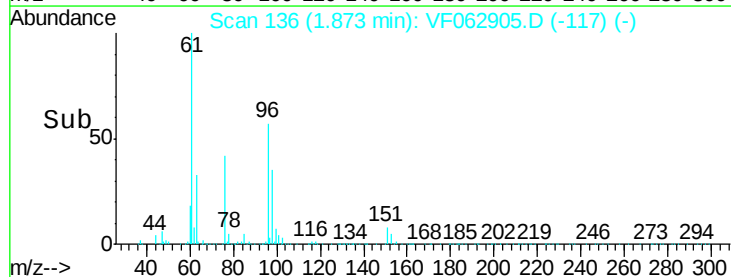
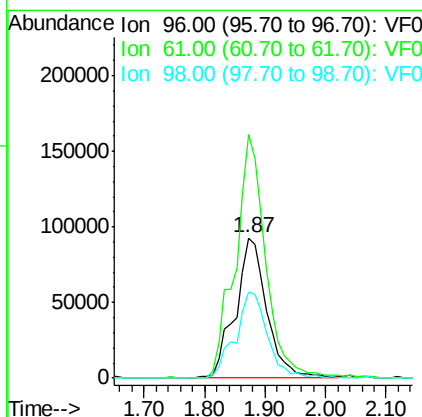
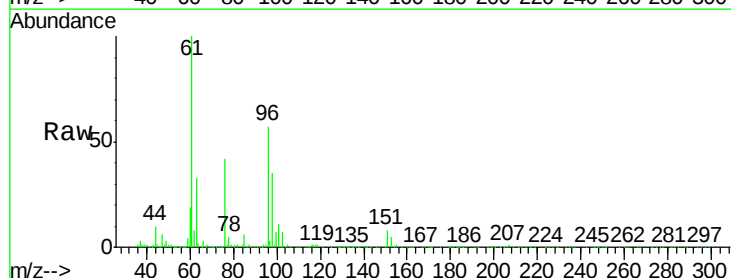
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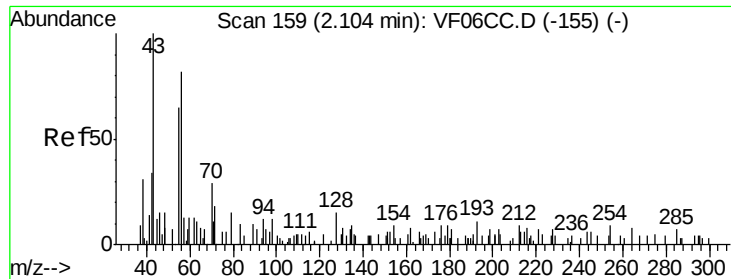
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.517 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	332308		
61	61	173.9		139.4	209.2
98	98	61.2		50.3	75.5





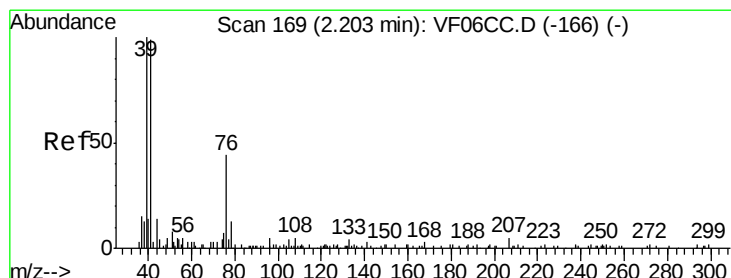
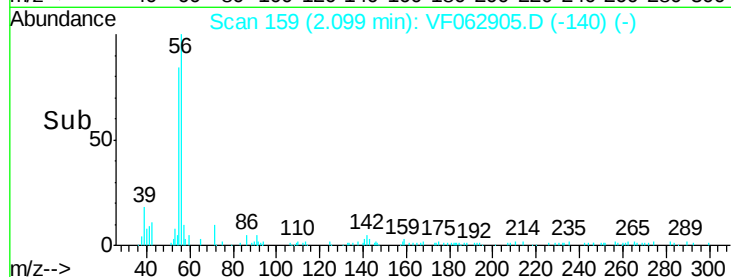
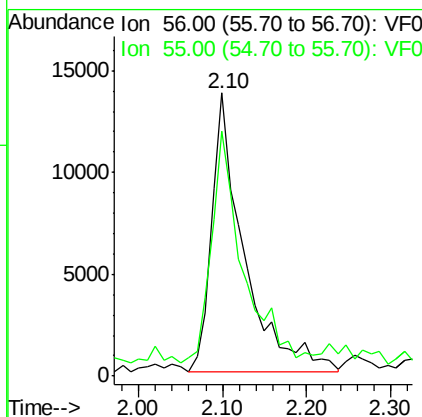
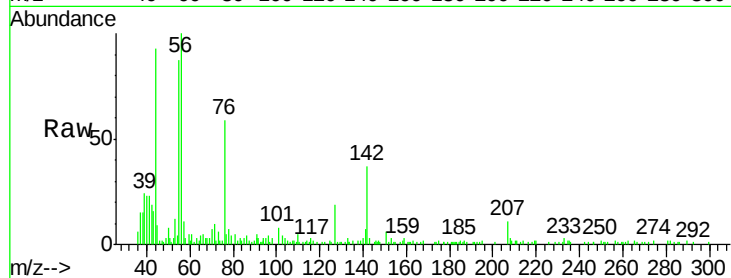
#13
Acrolein
Concen: 258.119 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 36315
Ion Ratio Lower Upper
56 100
55 86.7 52.9 79.3#

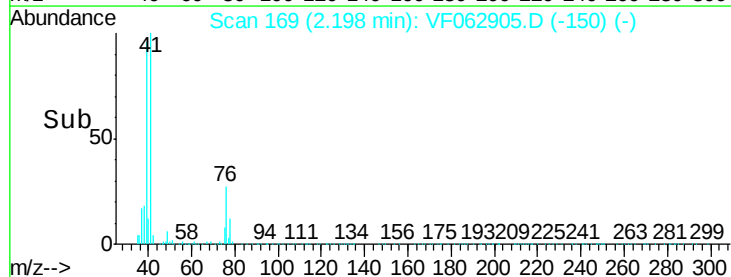
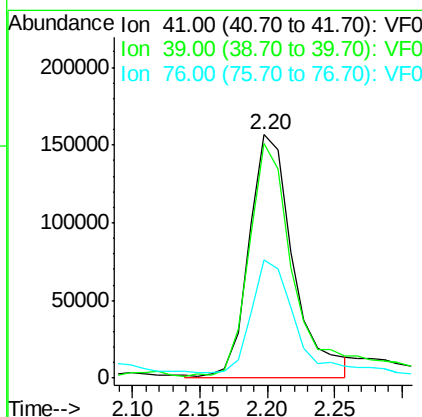
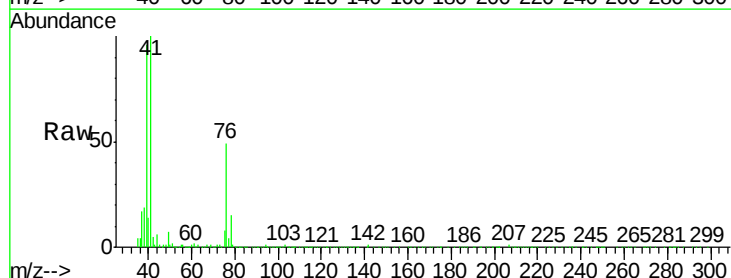
Manual Integrations
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#14
Allyl chloride
Concen: 66.325 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 41 Resp: 359842
Ion Ratio Lower Upper
41 100
39 96.4 71.9 107.9
76 48.7 39.6 59.4





#15

Acrylonitrile

Concen: 287.909 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

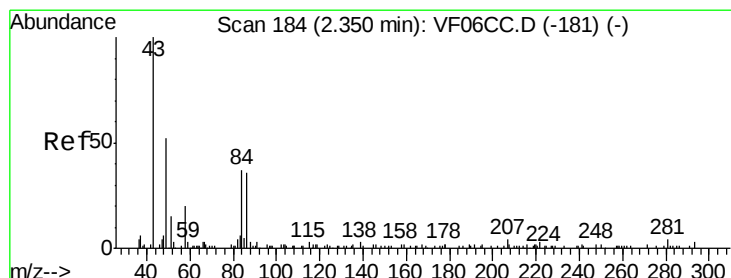
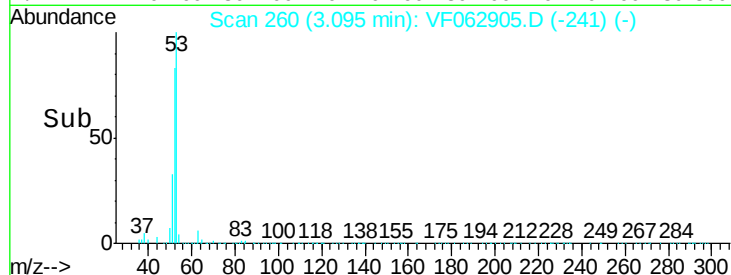
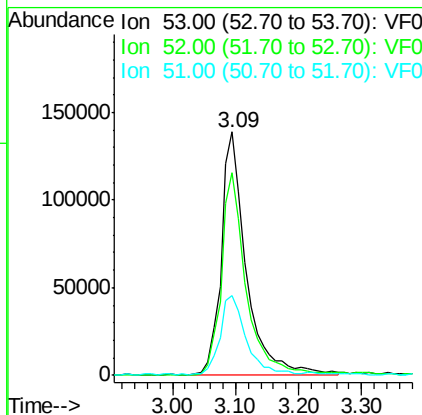
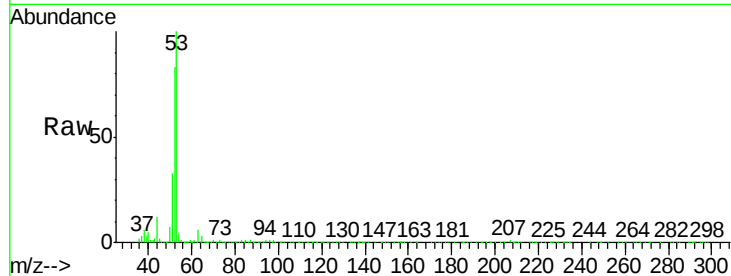
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	381389
Ion Ratio		Lower	Upper
53	100		
52	83.3	68.1	102.1
51	32.9	27.7	41.5

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#16

Acetone

Concen: 262.963 ug/l

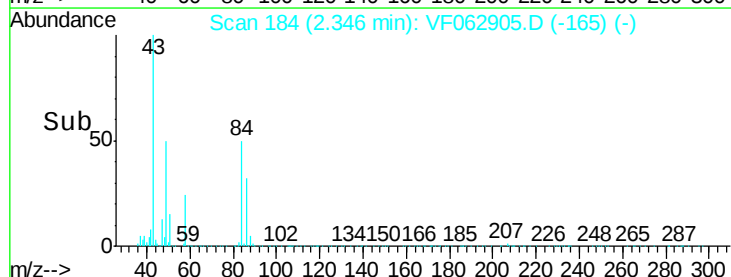
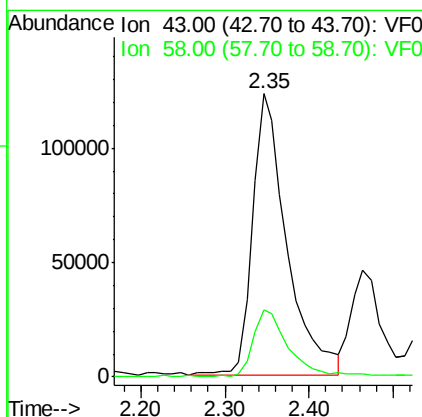
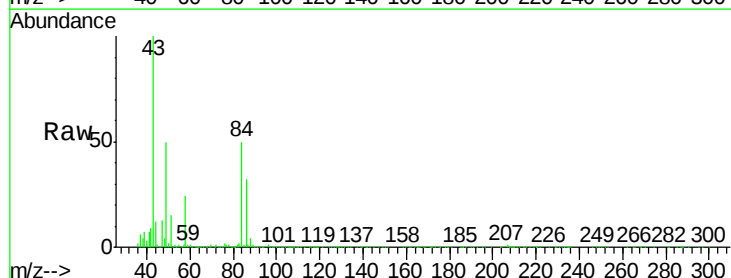
RT: 2.35 min Scan# 184

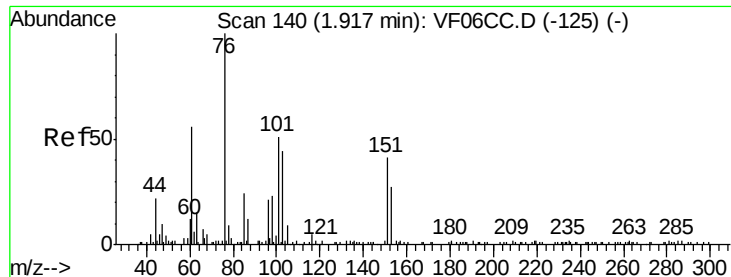
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	43	Resp:	350252
Ion Ratio		Lower	Upper
43	100		
58	23.9	19.0	28.4





#17

Carbon Disulfide

Concen: 47.281 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tot Ion: 76 Resp: 966428

Ion Ratio Lower Upper

76 100

78 12.1 9.4 14.2

Instrument :

MSVOA_F

ClientSampleId :

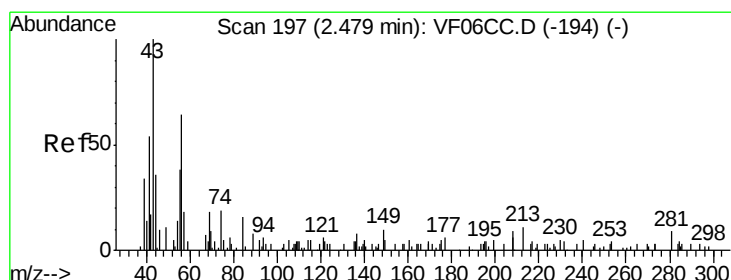
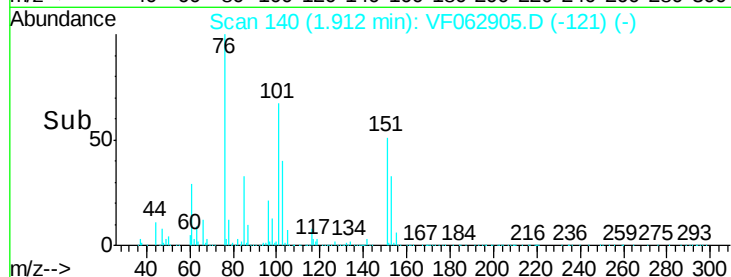
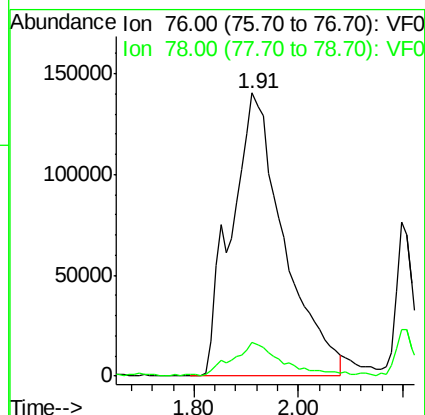
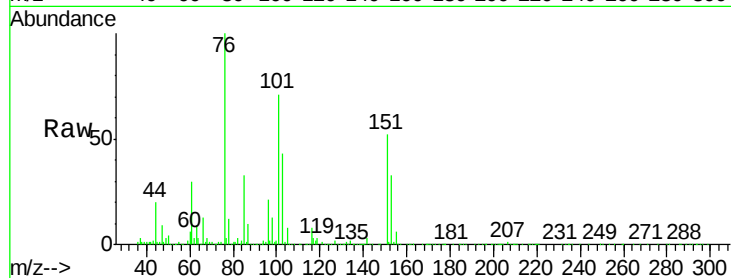
VSTDCCC050

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6/11/2019 2:54:36 PM



#18

Methyl Acetate

Concen: 43.405 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062905.D

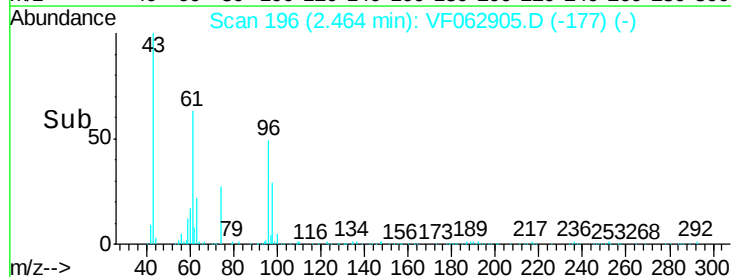
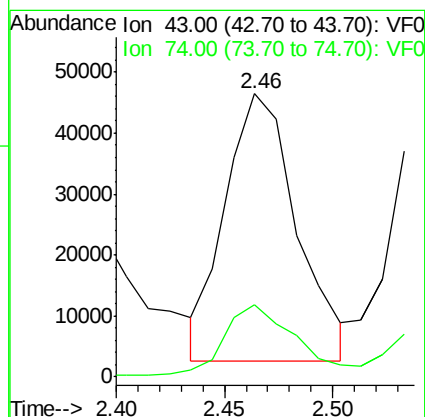
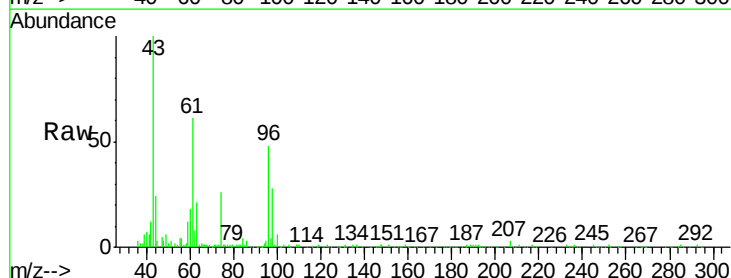
Acq: 10 Jun 2019 13:56

Tgt Ion: 43 Resp: 101028

Ion Ratio Lower Upper

43 100

74 25.6 22.1 33.1





#19

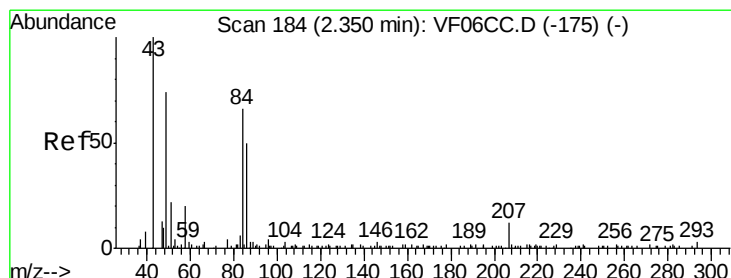
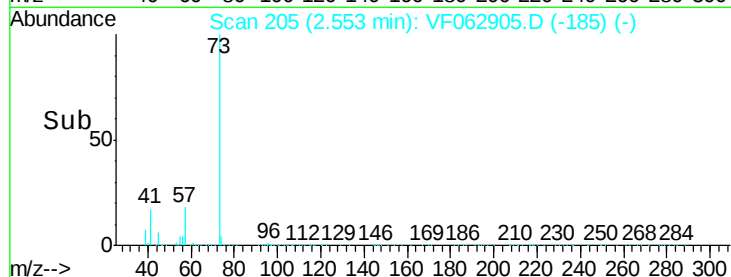
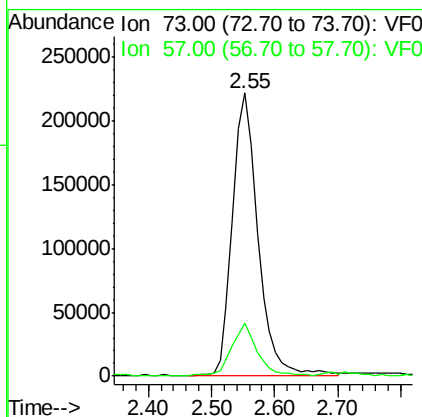
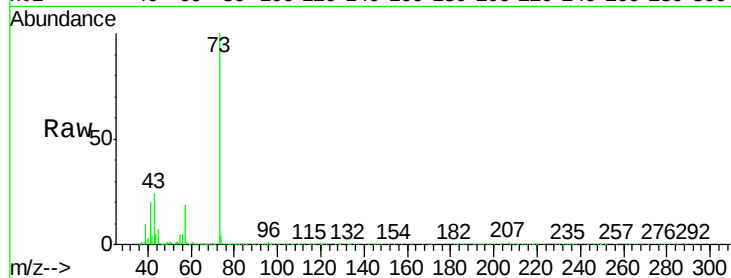
Methyl tert-butyl Ether
 Concen: 49.112 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	15.1	22.7

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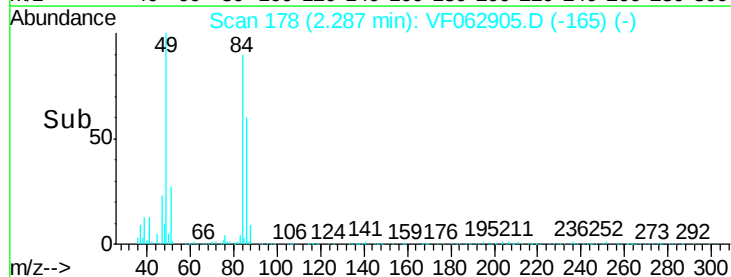
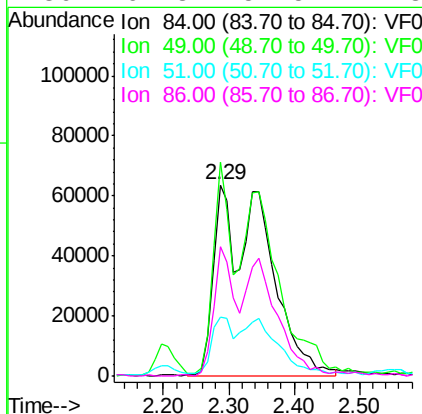
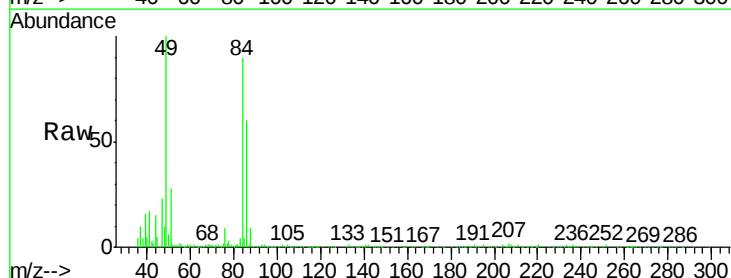
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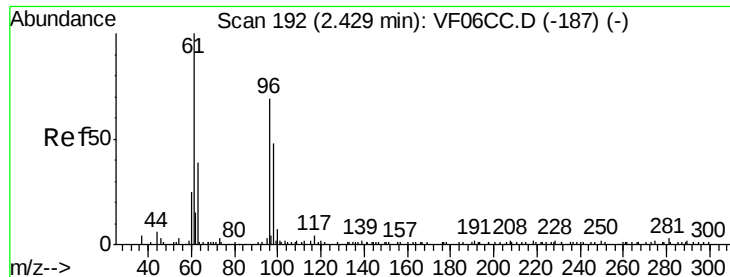


#20

Methylene Chloride
 Concen: 53.164 ug/l m
 RT: 2.29 min Scan# 178
 Delta R.T. -0.08 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.7	82.6	123.8
51	31.1	25.0	37.4
86	67.3	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 50.914 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

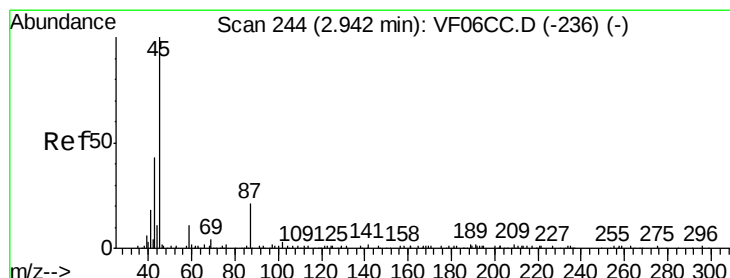
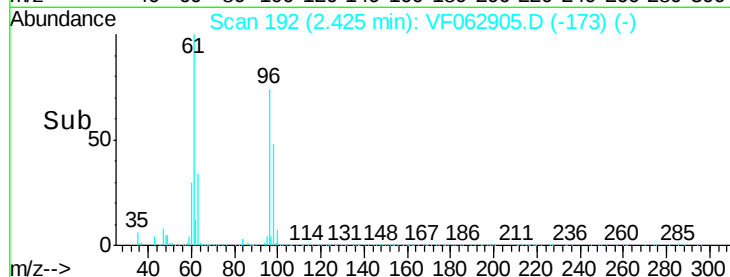
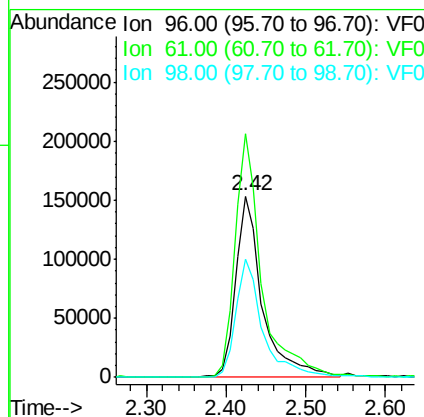
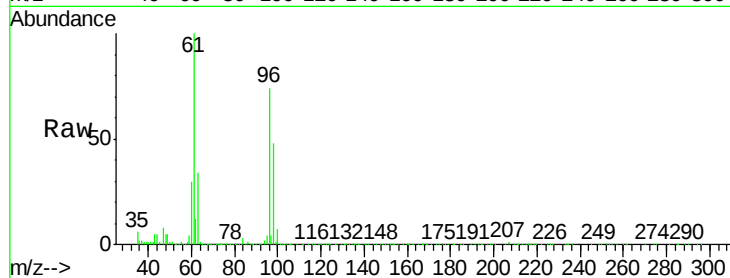
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	357005
Ion	Ratio	Lower	Upper
96	100		
61	134.5	105.0	157.6
98	65.1	51.1	76.7

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#22

Diisopropyl ether

Concen: 48.949 ug/l

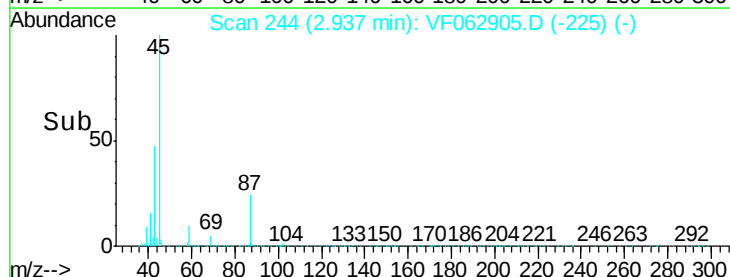
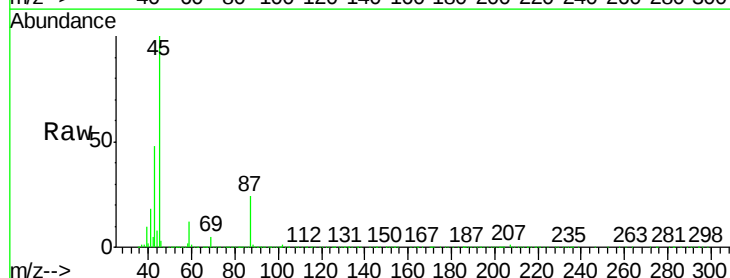
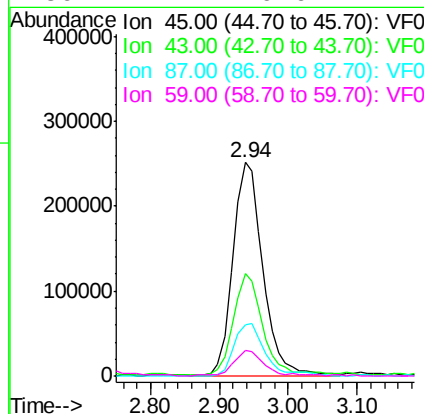
RT: 2.94 min Scan# 244

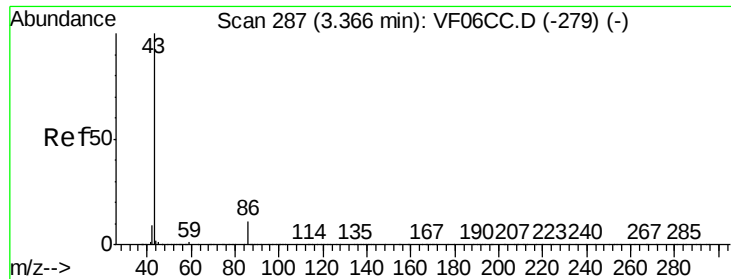
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	45	Resp:	754506
Ion	Ratio	Lower	Upper
45	100		
43	48.0	34.3	51.5
87	24.2	19.0	28.4
59	12.1	9.6	14.4





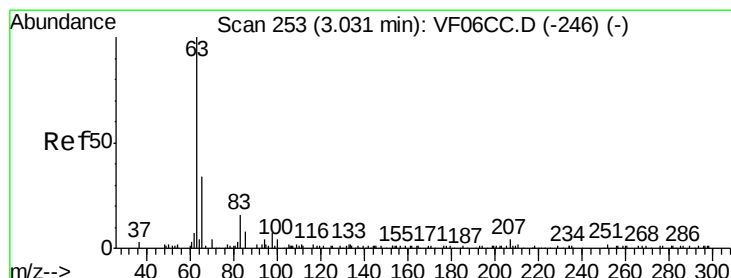
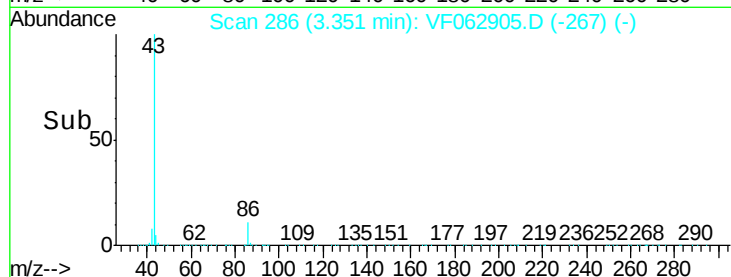
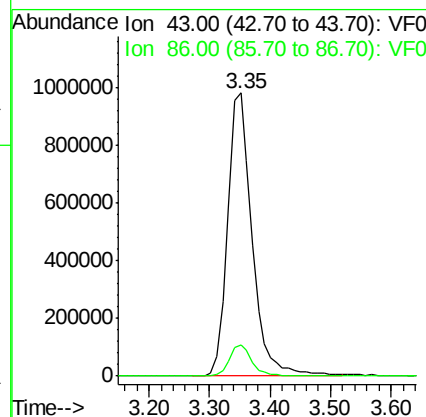
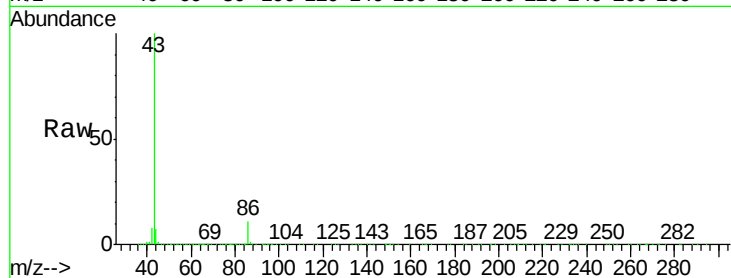
#23
 Vinyl Acetate
 Concen: 260.082 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2744568
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.2 12.2

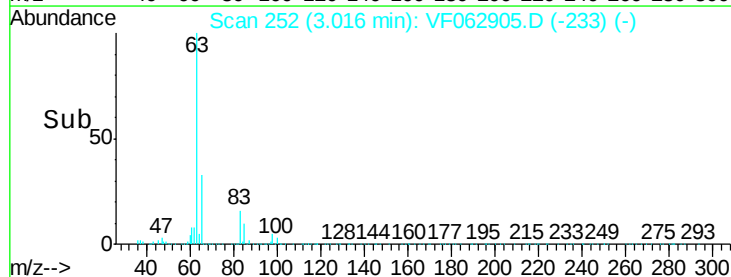
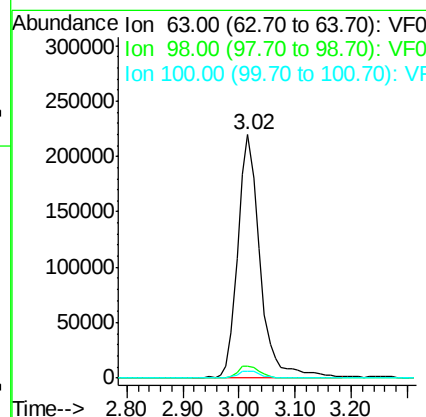
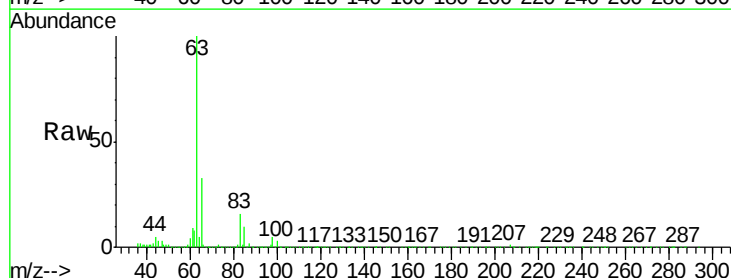
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 52.994 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion: 63 Resp: 609904
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.4 7.1
 100 2.9 1.5 4.5





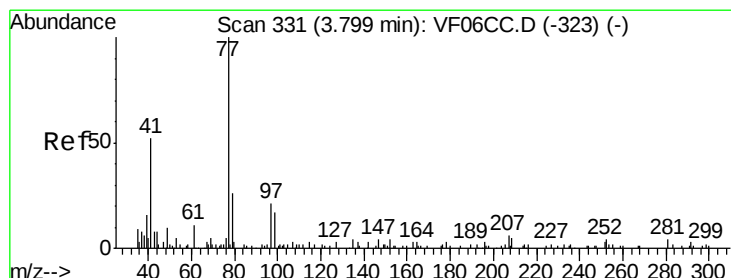
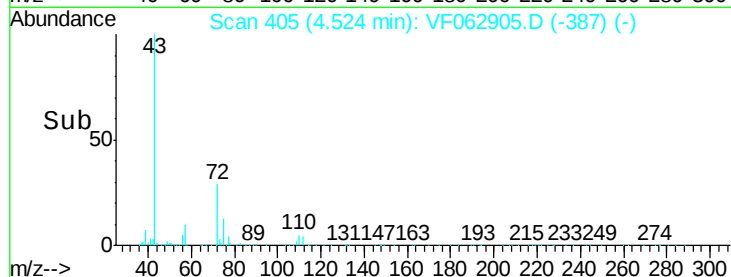
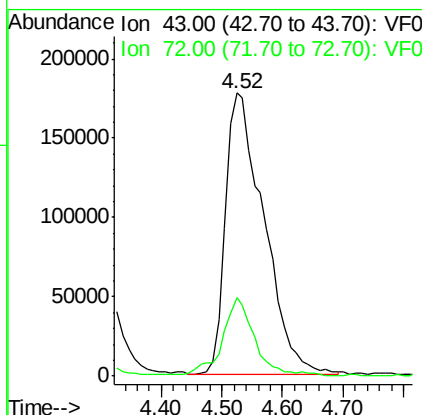
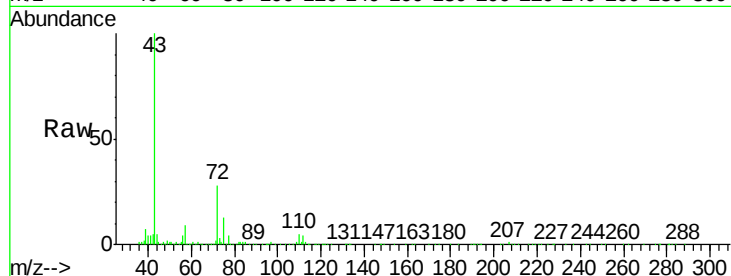
#25
2-Butanone
Concen: 249.622 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.0

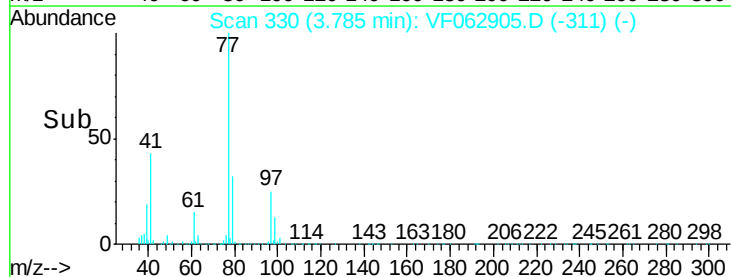
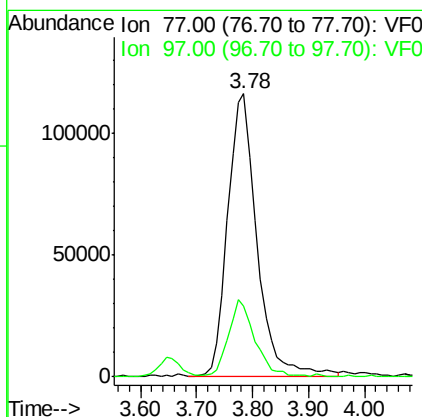
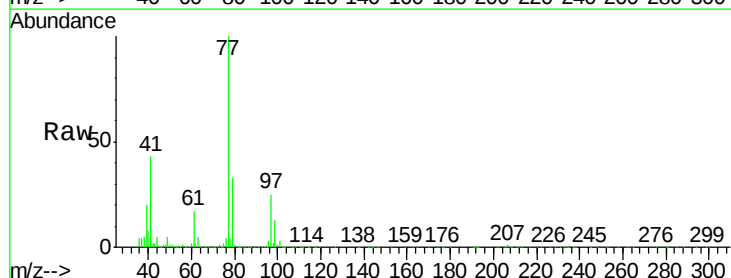
Manual Integrations
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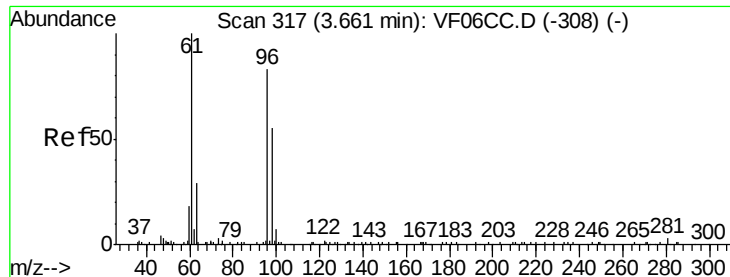
MMDadoda
6/11/2019 2:54:36 PM



#26
2,2-Dichloropropane
Concen: 64.199 ug/l
RT: 3.78 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.4	37.4





#27

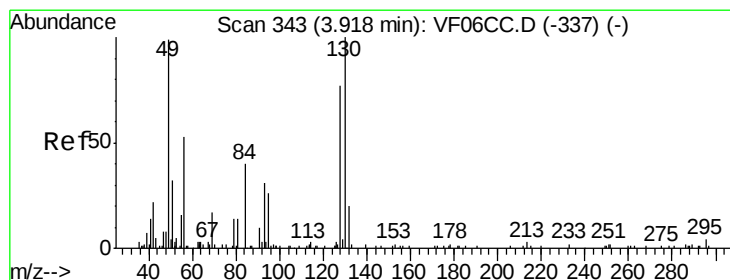
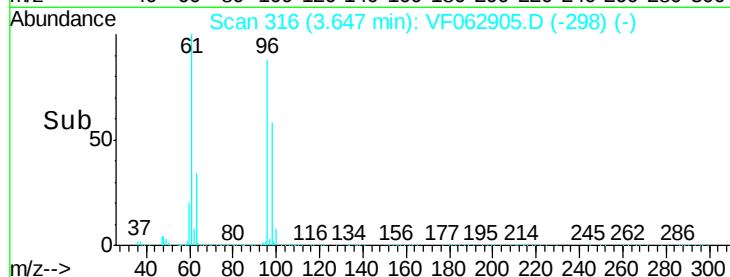
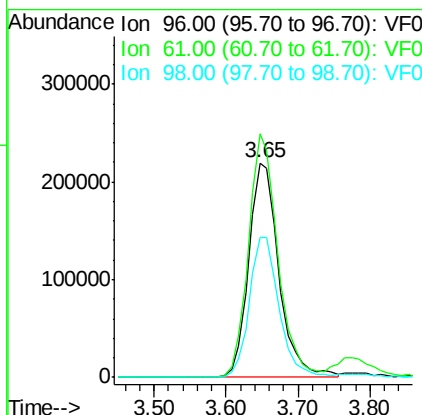
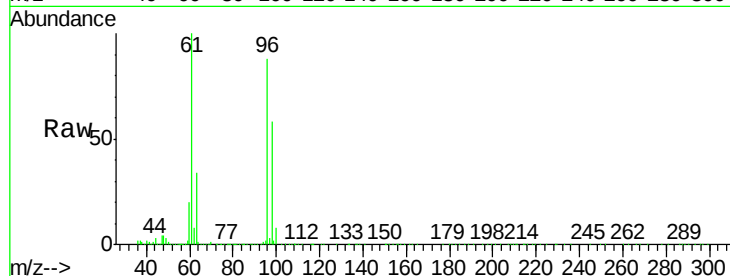
cis-1,2-Dichloroethene
Concen: 54.184 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	638649		
61	113.7		0.0	213.8
98	65.4		0.0	127.0

Manual Integrations
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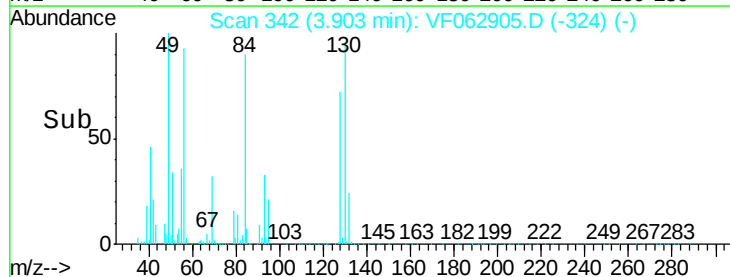
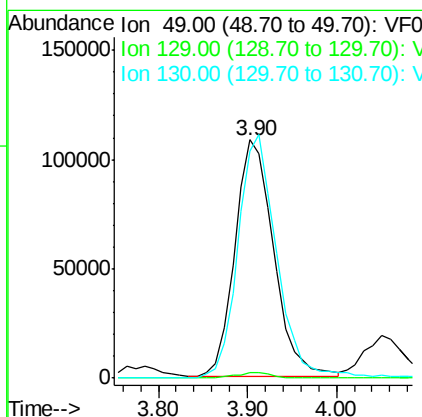
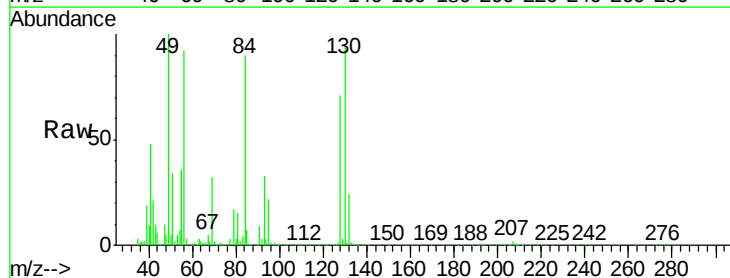
MMDadoda
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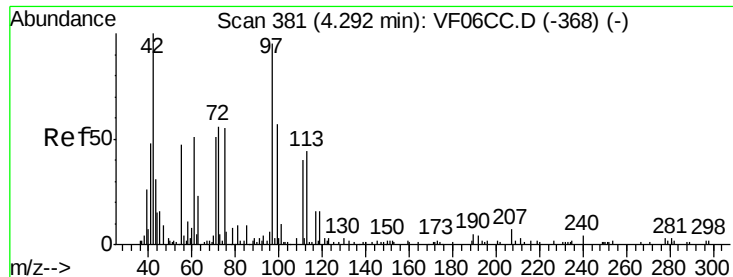


#28

Bromochloromethane
Concen: 52.735 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	330134		
129	2.6		0.0	5.4
130	95.4		79.2	118.8





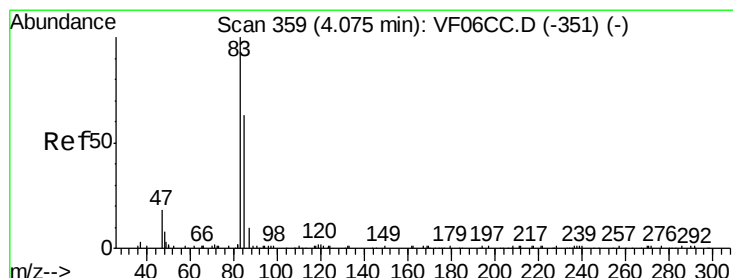
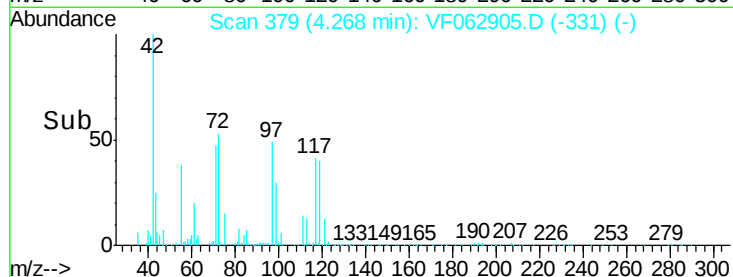
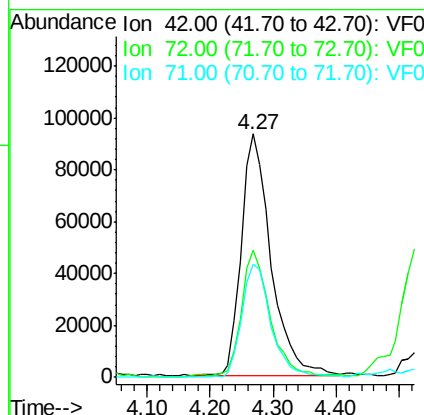
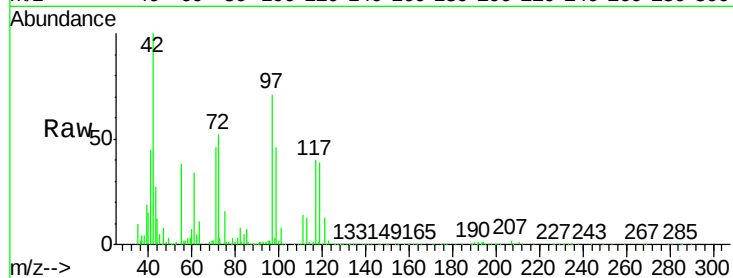
#29
Tetrahydrofuran
Concen: 257.380 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	305342
Ion Ratio		Lower	Upper
42	100		
72	49.8	39.0	58.6
71	46.3	36.9	55.3

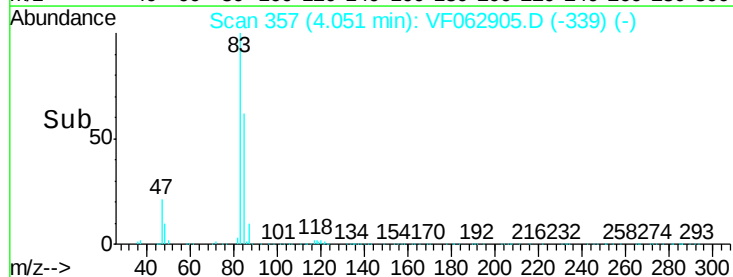
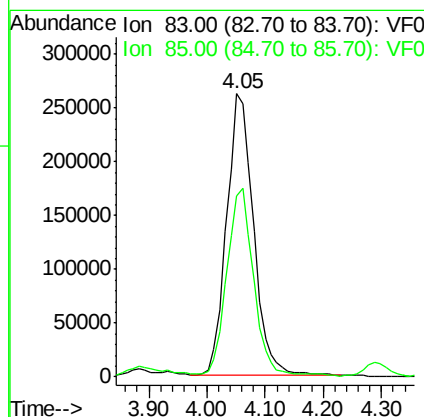
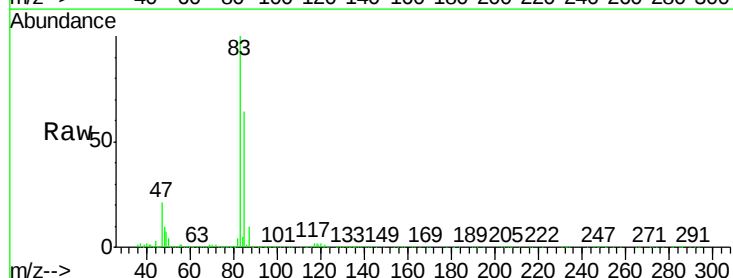
Manual Integrations
APPROVED

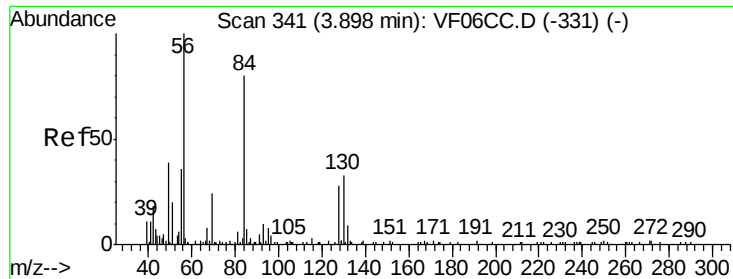
MMDadoda
6/11/2019 2:54:36 PM



#30
Chloroform
Concen: 51.746 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:	83	Resp:	839325
Ion Ratio		Lower	Upper
83	100		
85	63.9	55.0	82.6





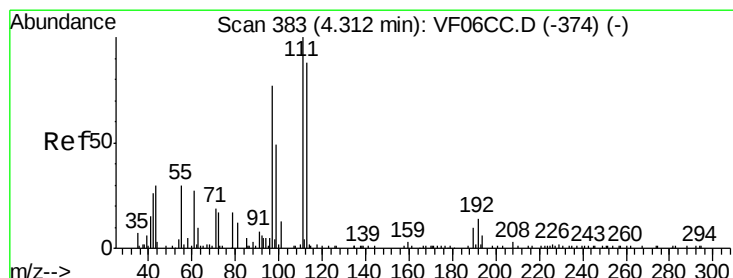
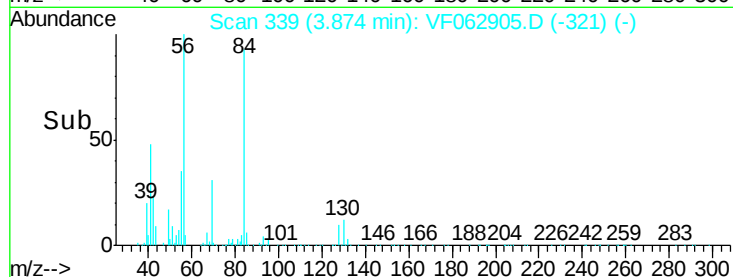
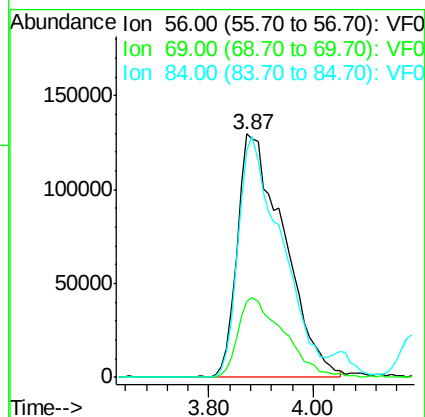
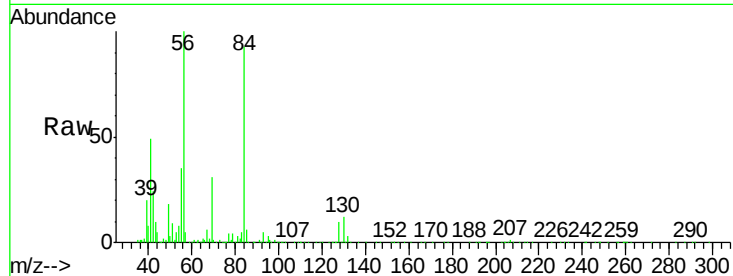
#31
Cyclohexane
Concen: 50.611 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	26.7	40.1
84	93.0	74.3	111.5

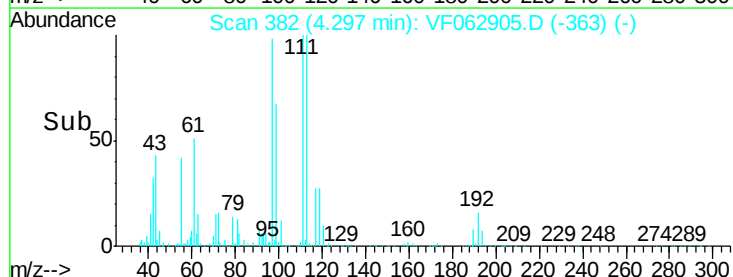
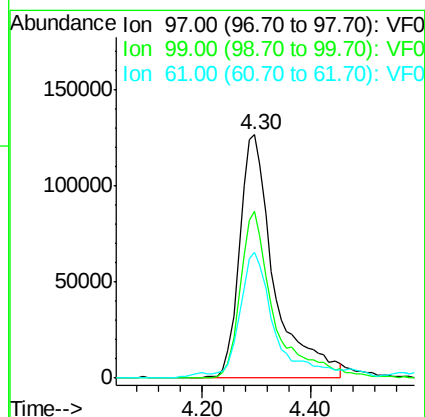
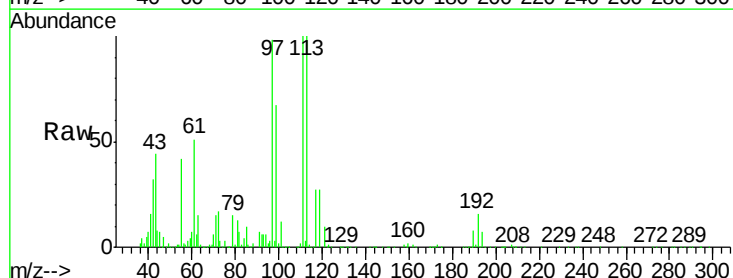
Manual Integrations
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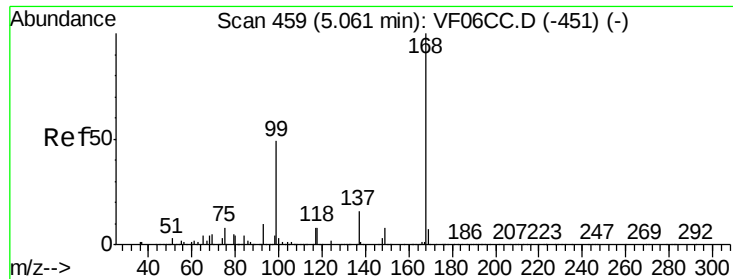
MMDadoda
6/11/2019 2:54:36 PM



#32
1,1,1-Trichloroethane
Concen: 59.562 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.3	51.7	77.5
61	51.6	38.9	58.3





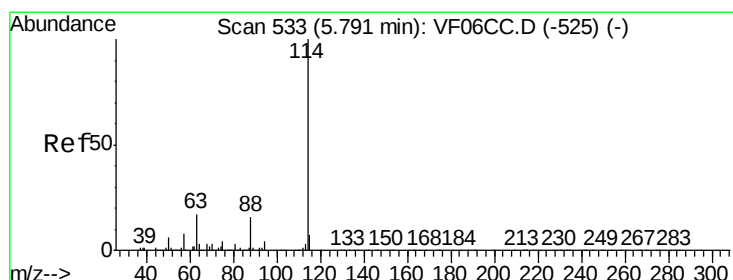
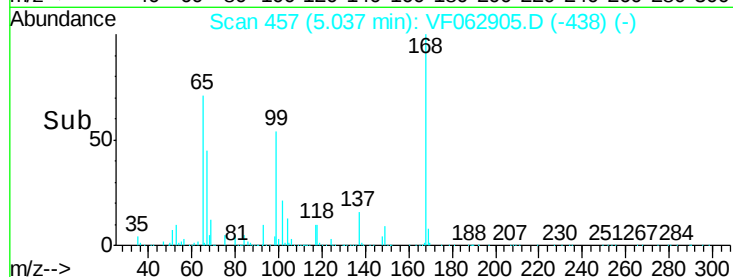
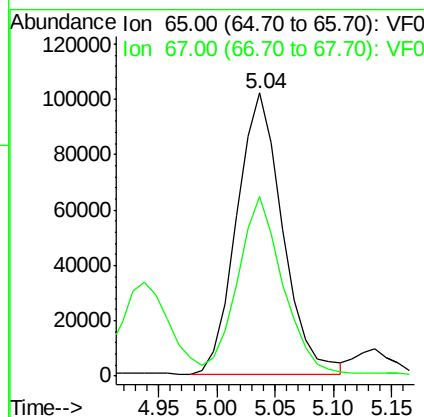
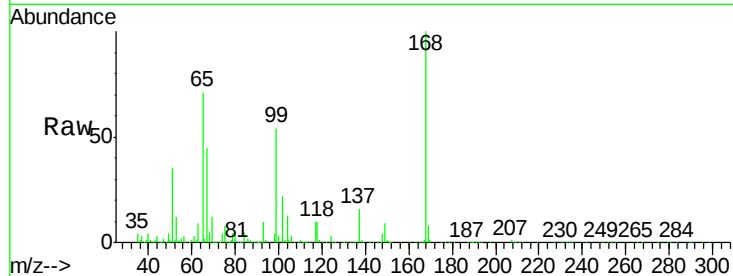
#33
 1,2-Dichloroethane-d4
 Concen: 47.614 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	277090		
67	63.5	0.0	121.2	

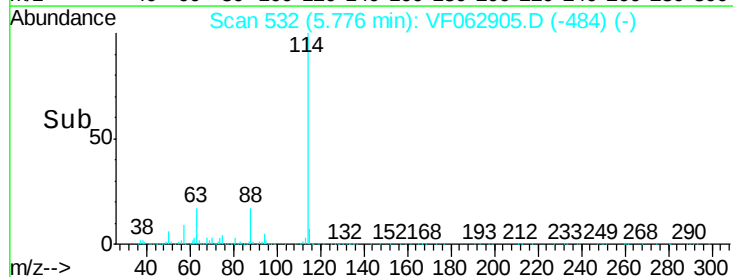
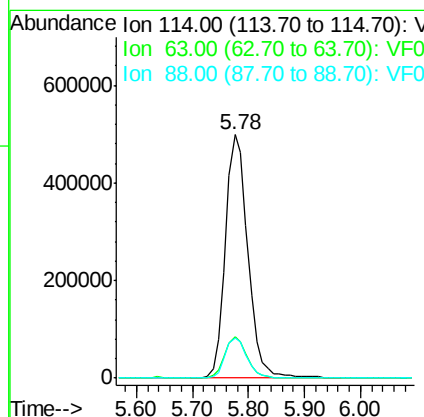
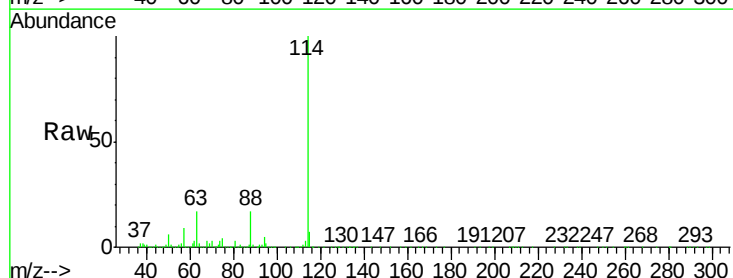
Manual Integrations
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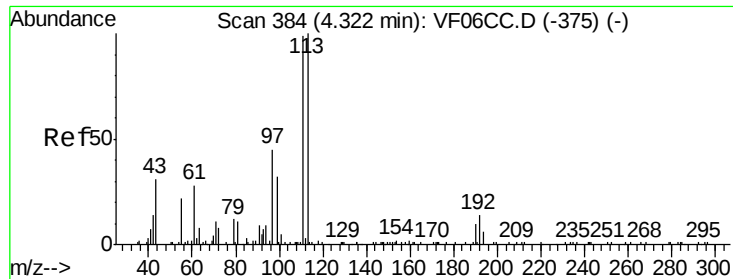
MMDadoda
 6/11/2019 2:54:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1394876		
63	16.9	0.0	34.2	
88	16.5	0.0	31.2	





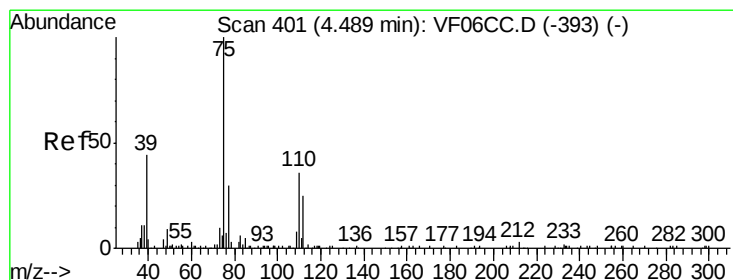
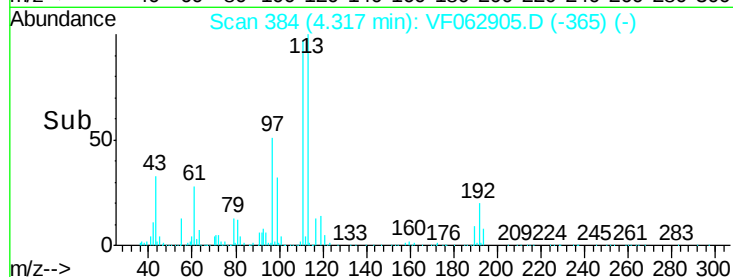
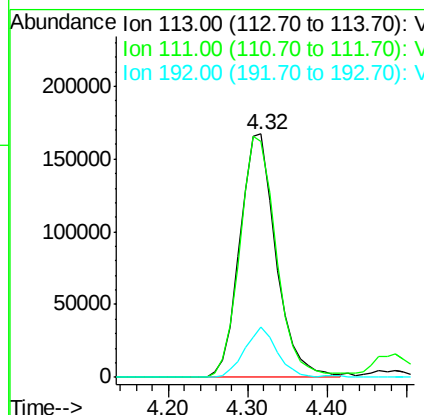
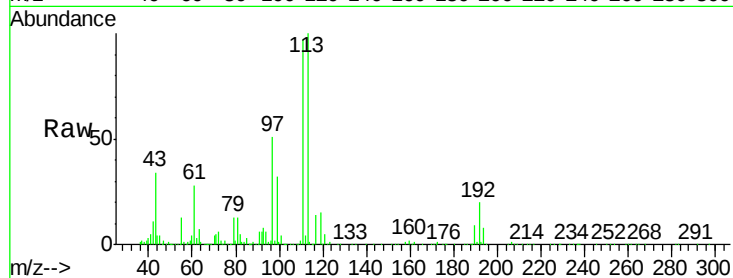
#35
Dibromofluoromethane
Concen: 49.804 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	96.8	81.9	122.9
192	20.7	15.1	22.7

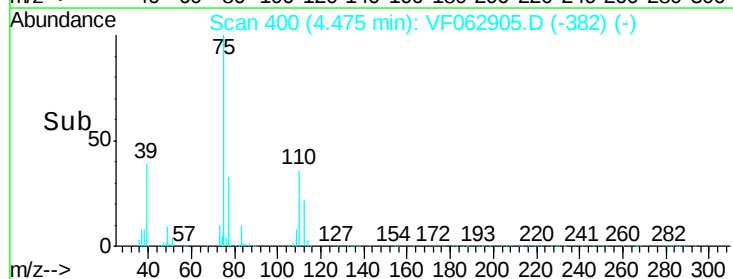
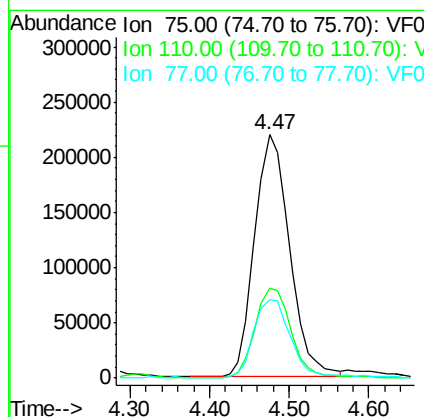
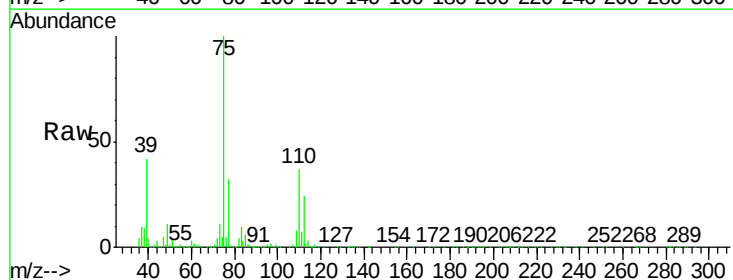
Manual Integrations
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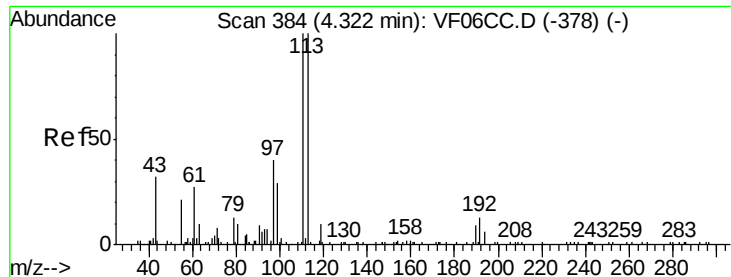
MMDadoda
6/11/2019 2:54:36 PM



#36
1,1-Dichloropropene
Concen: 52.047 ug/l
RT: 4.47 min Scan# 400
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.4	58.1
77	32.2	25.4	38.2





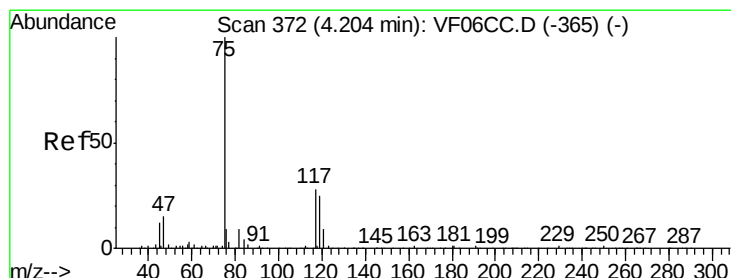
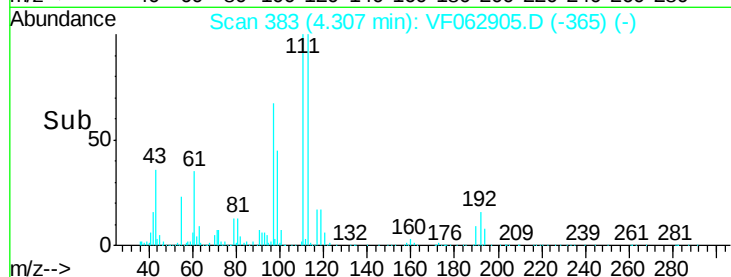
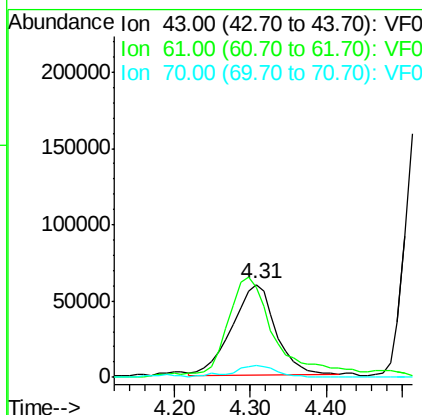
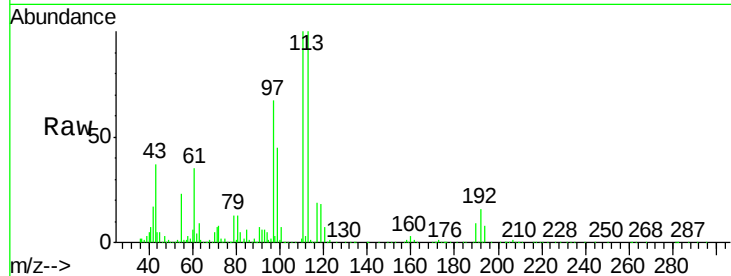
#37
Ethyl Acetate
Concen: 48.308 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	96.3	59.1	88.7#
70	13.0	10.1	15.1

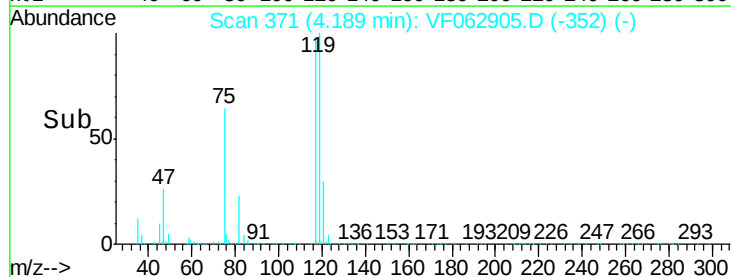
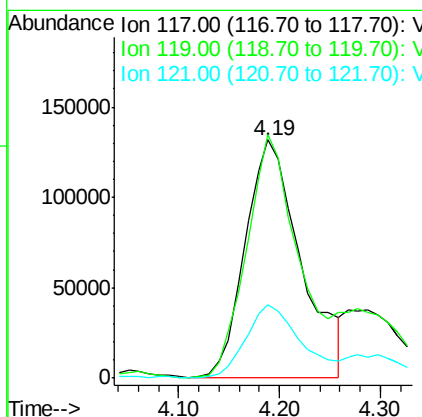
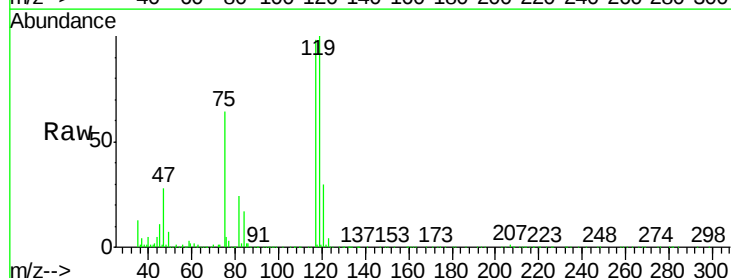
Manual Integrations
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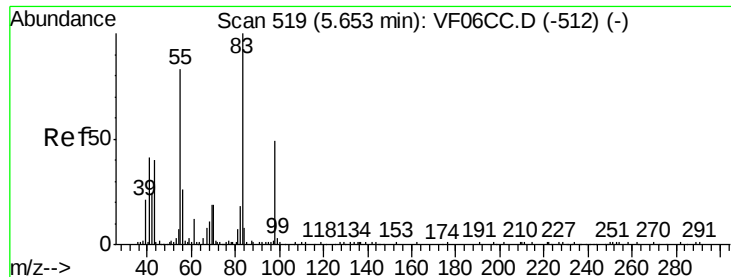
MMDadoda
6/11/2019 2:54:36 PM



#38
Carbon Tetrachloride
Concen: 58.048 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.3	78.2	117.2
121	30.8	28.2	42.2





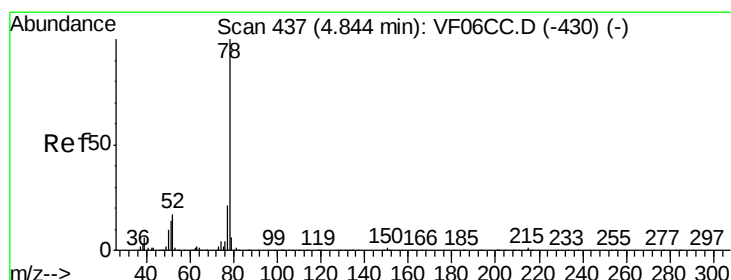
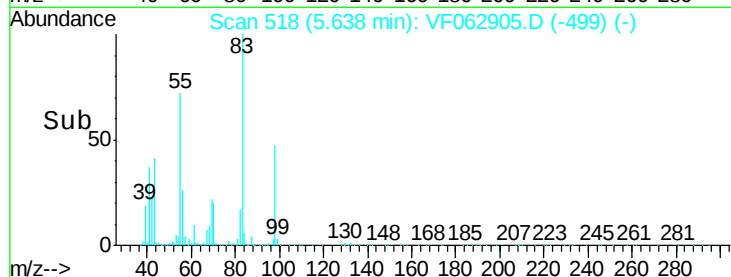
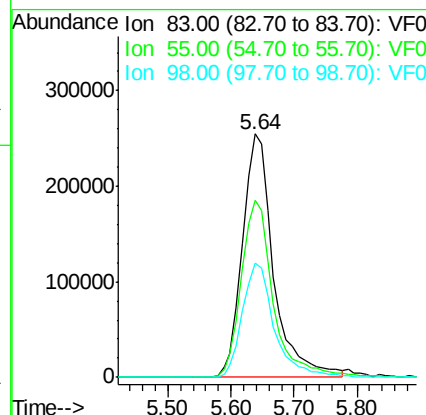
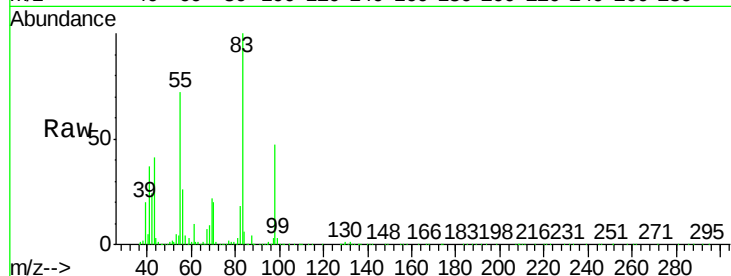
#39
Methvlcvclohexane
Concen: 54.432 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	61.6	92.4
98	46.8	37.4	56.2

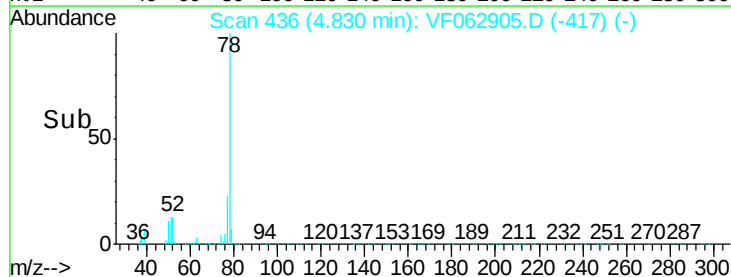
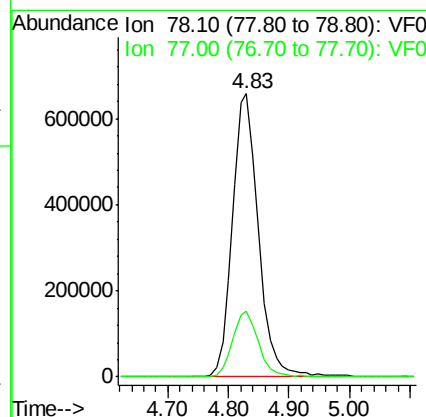
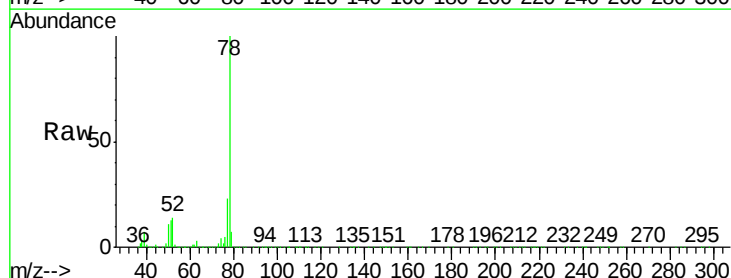
Manual Integrations
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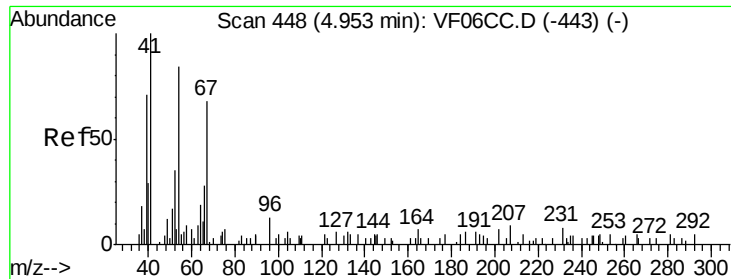
MMDadoda
6/11/2019 2:54:36 PM



#40
Benzene
Concen: 52.377 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





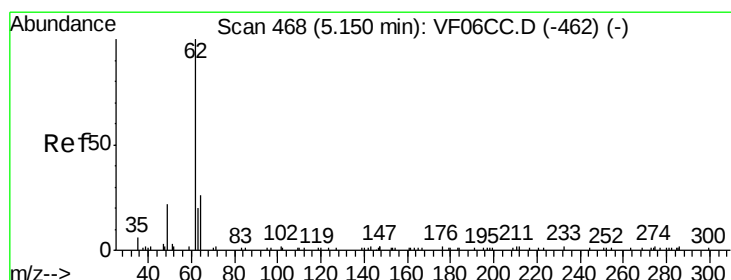
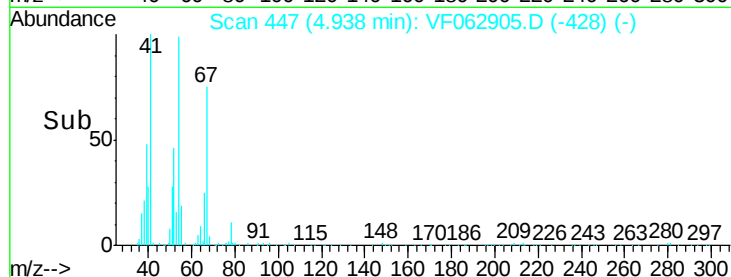
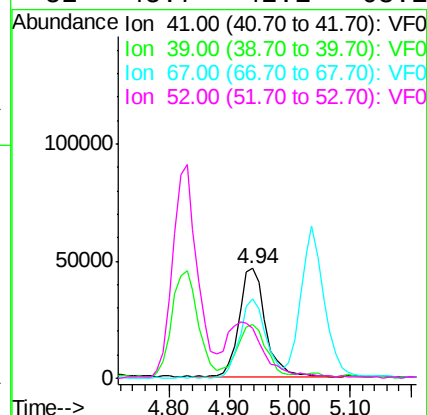
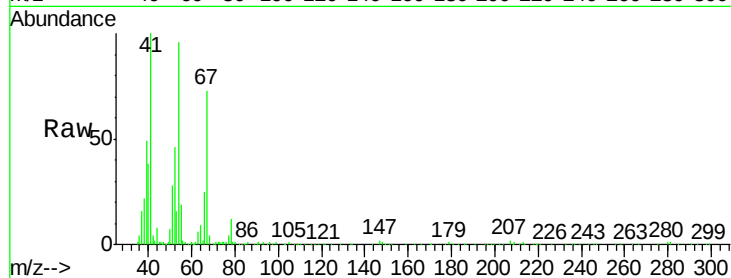
#41
Methacrylonitrile
Concen: 53.023 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.7	42.0	63.0
67	72.9	61.4	92.0
52	45.7	42.1	63.1

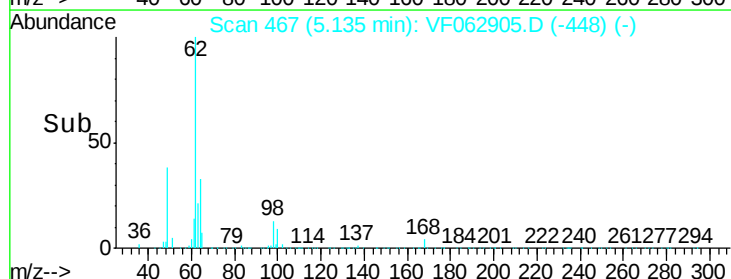
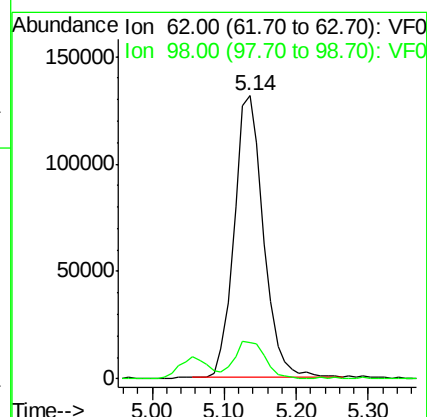
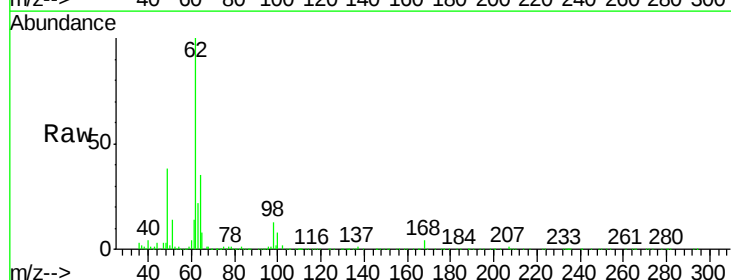
Manual Integrations
APPROVED

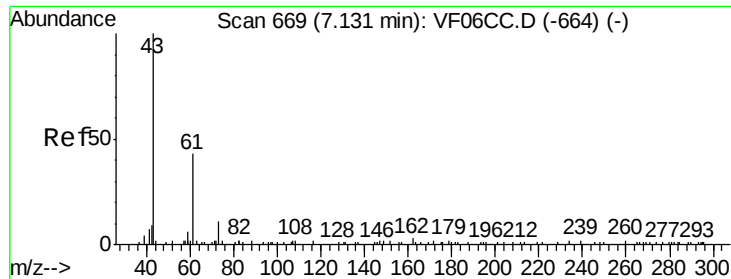
MMDadoda
6/11/2019 2:54:36 PM



#42
1,2-Dichloroethane
Concen: 51.971 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	24.0





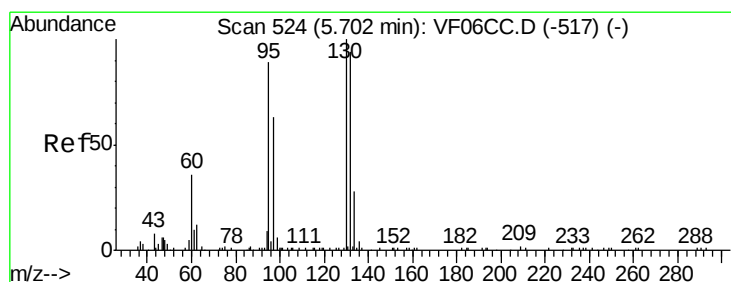
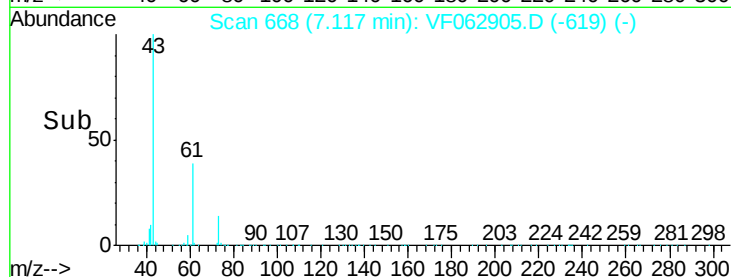
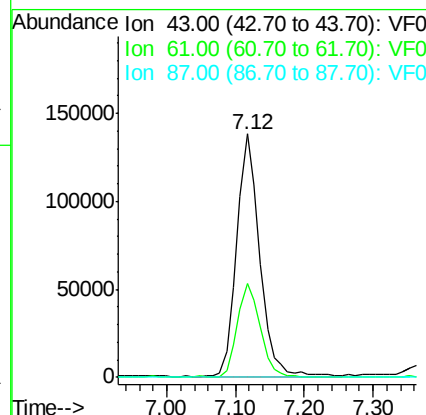
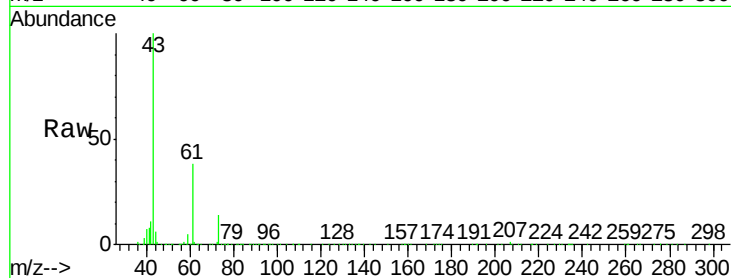
#43
Isopropyl Acetate
Concen: 48.880 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.5	29.8	44.6
87	0.4	0.3	0.5

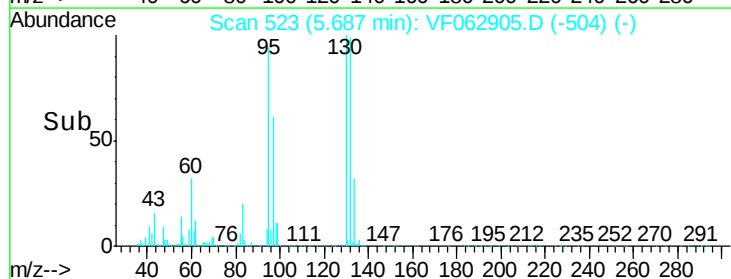
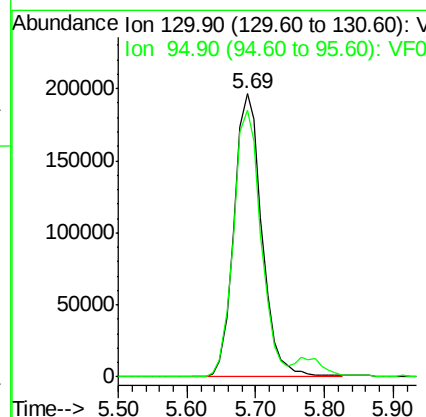
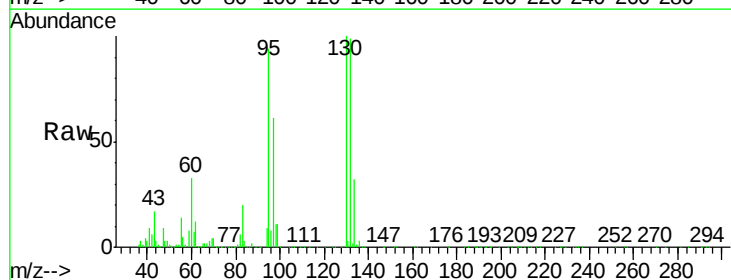
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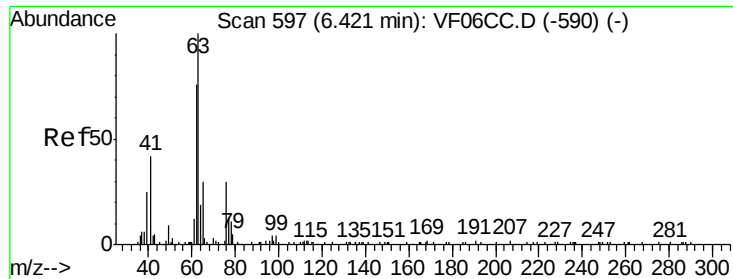
MMDadoda
6/11/2019 2:54:36 PM



#44
Trichloroethene
Concen: 52.132 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.2





#45

1,2-Dichloropropane

Concen: 53.292 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 499793

Ion Ratio Lower Upper

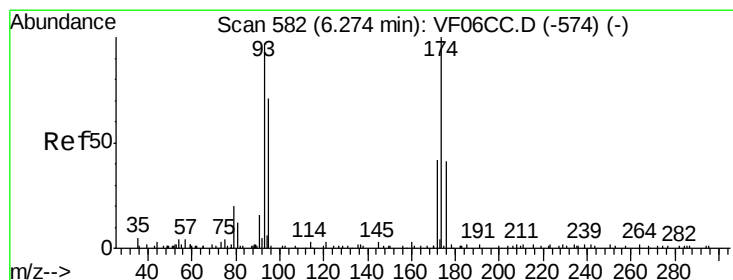
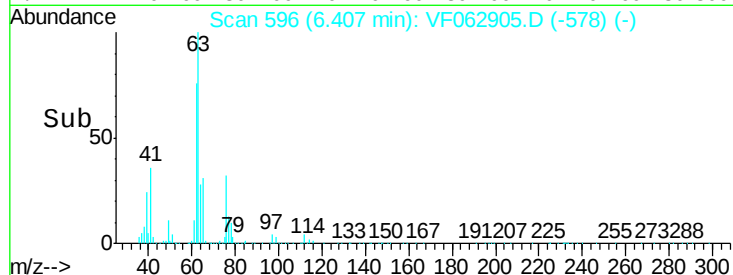
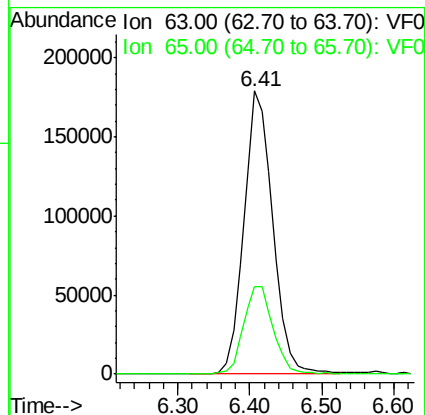
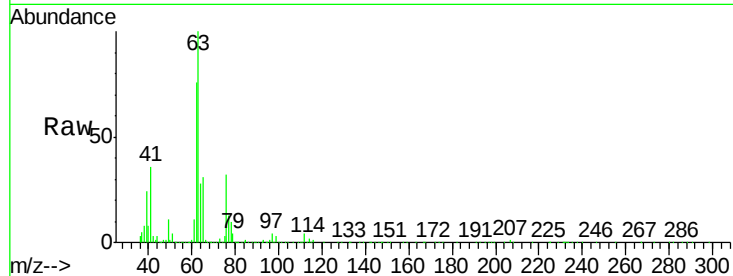
63 100

65 31.0 24.2 36.2

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6/11/2019 2:54:36 PM



#46

Dibromomethane

Concen: 54.389 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

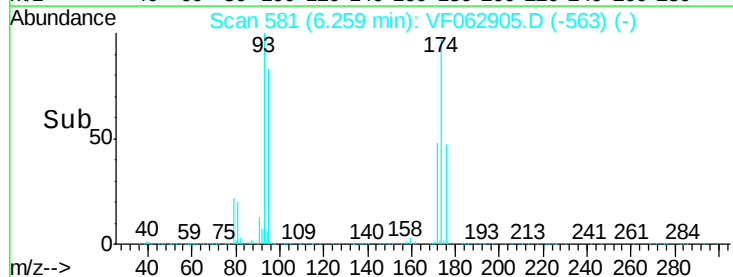
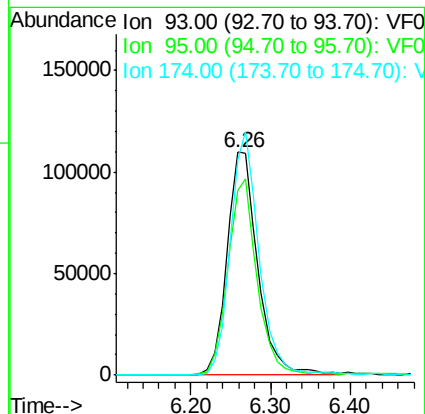
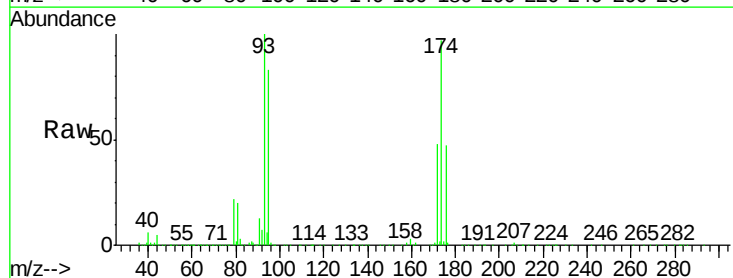
Tgt Ion: 93 Resp: 297807

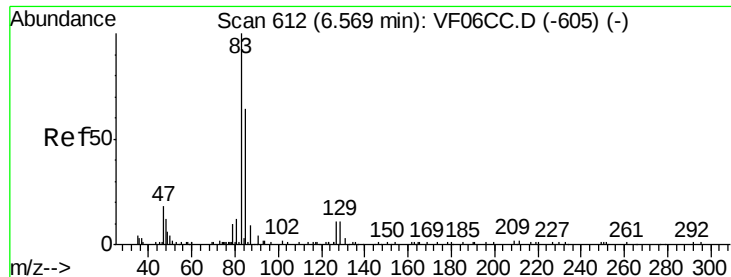
Ion Ratio Lower Upper

93 100

95 82.9 67.9 101.9

174 96.8 85.0 127.4





#47

Bromodichloromethane

Concen: 53.700 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

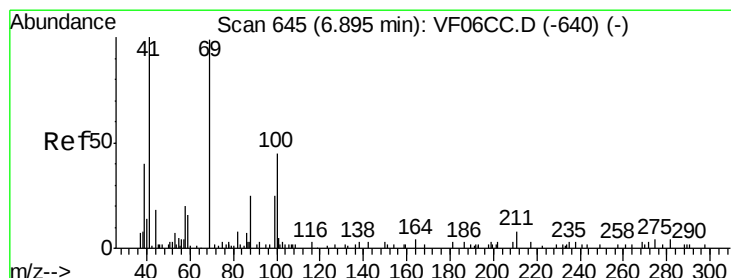
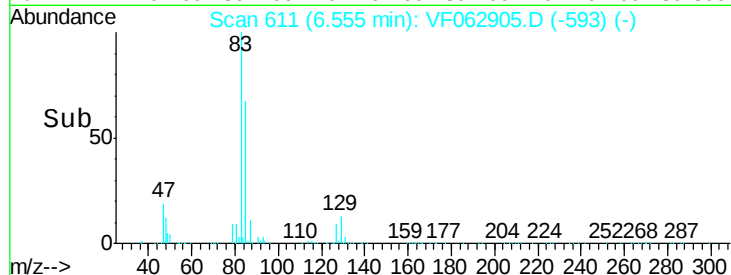
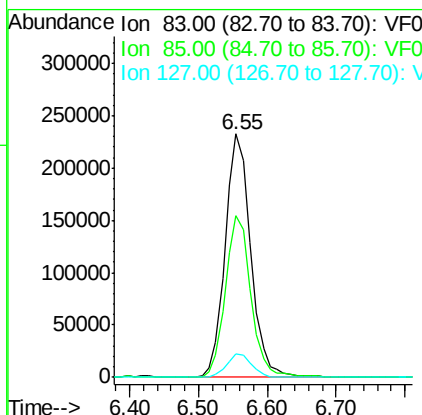
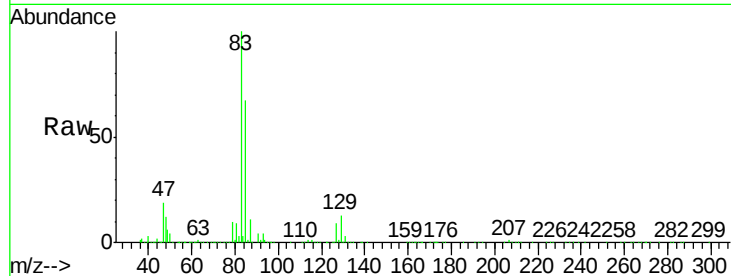
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	598824
Ion Ratio	Lower	Upper	
83	100		
85	66.5	54.2	81.4
127	9.4	7.0	10.4

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6/11/2019 2:54:36 PM



#48

Methyl methacrylate

Concen: 52.875 ug/l

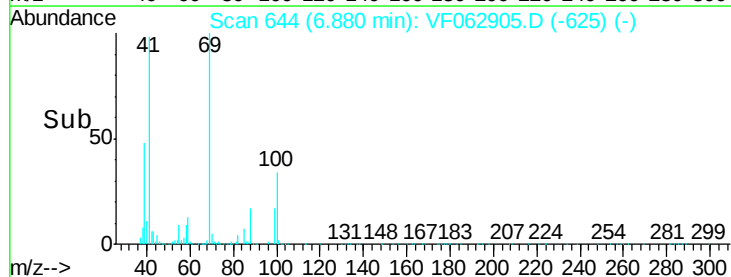
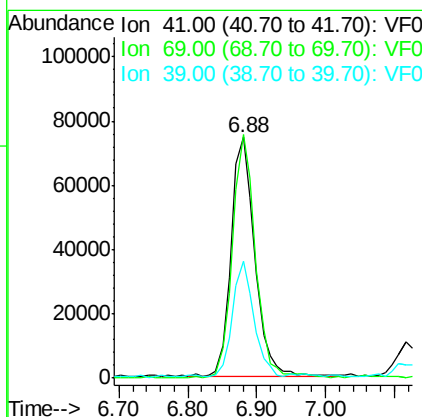
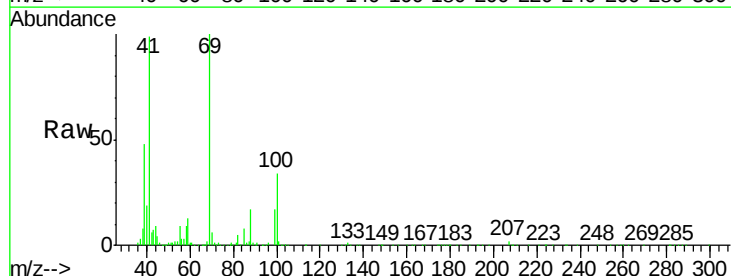
RT: 6.88 min Scan# 644

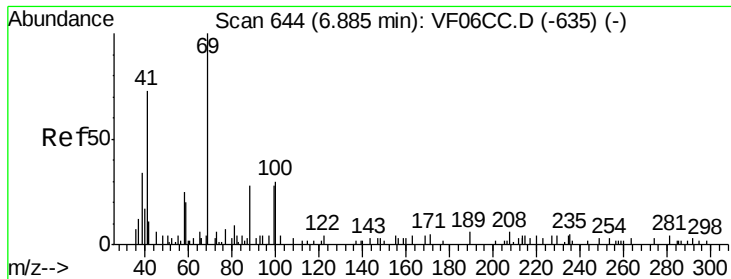
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	41	Resp:	176701
Ion Ratio	Lower	Upper	
41	100		
69	101.1	79.4	119.2
39	48.8	39.8	59.6





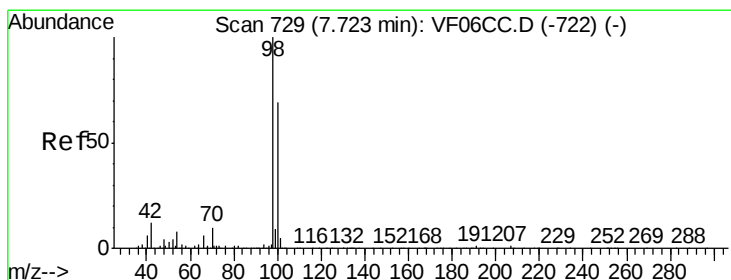
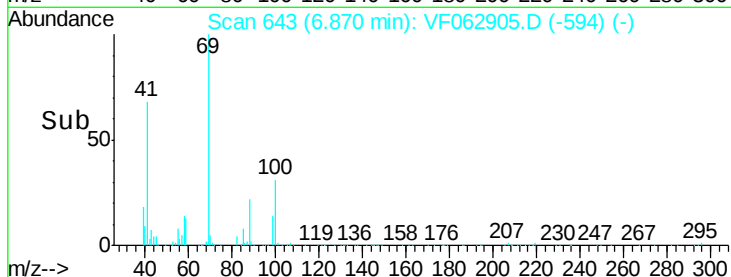
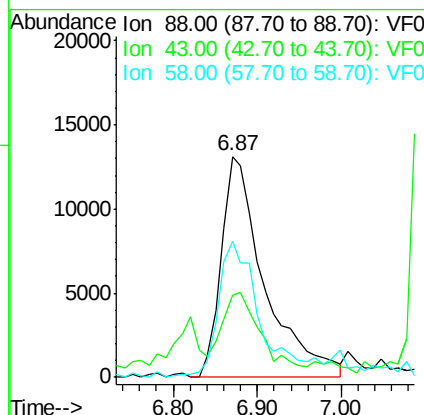
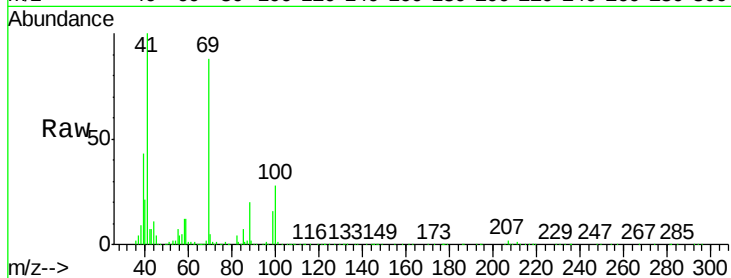
#49
1,4-Dioxane
Concen: 1065.940 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	34.8	52.2
58	61.3	59.9	89.9

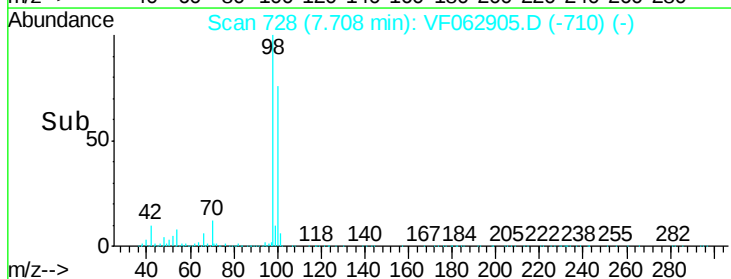
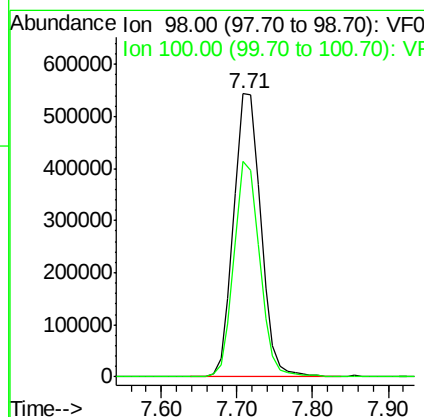
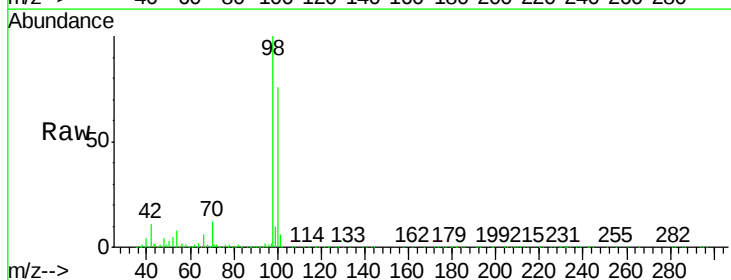
Manual Integrations
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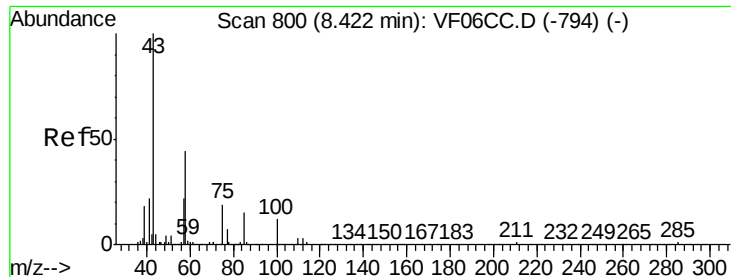
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6/11/2019 2:54:36 PM



#50
Toluene-d8
Concen: 50.738 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	76.2	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 256.450 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1187238

Ion Ratio Lower Upper

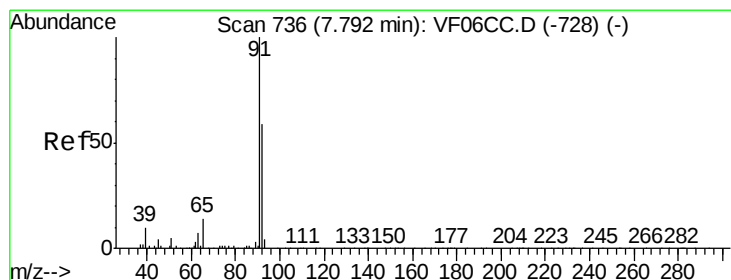
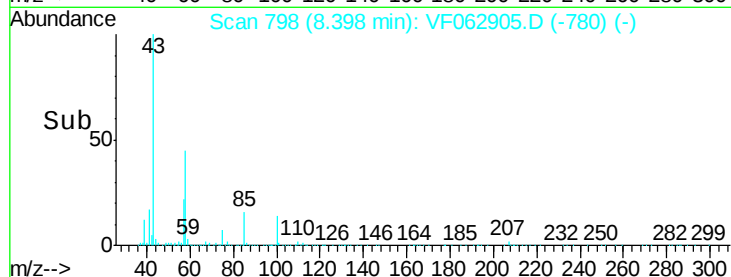
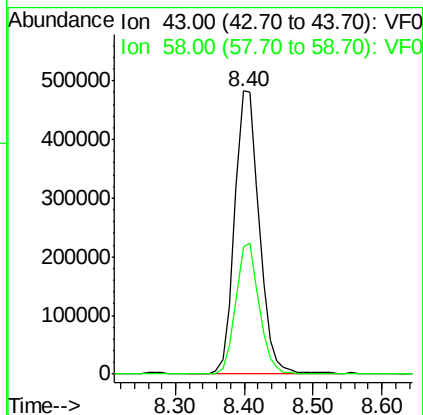
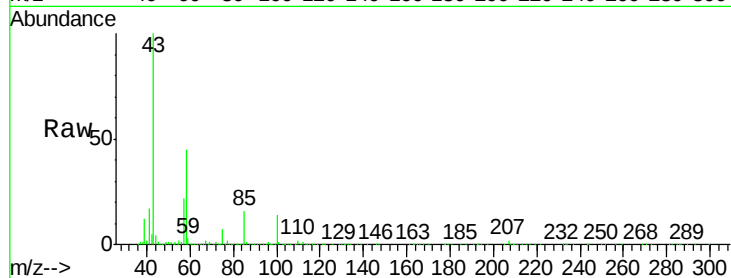
43 100

58 44.8 35.5 53.3

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6/11/2019 2:54:36 PM



#52

Toluene

Concen: 53.728 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062905.D

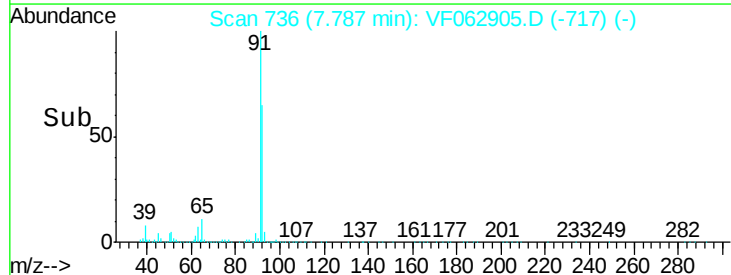
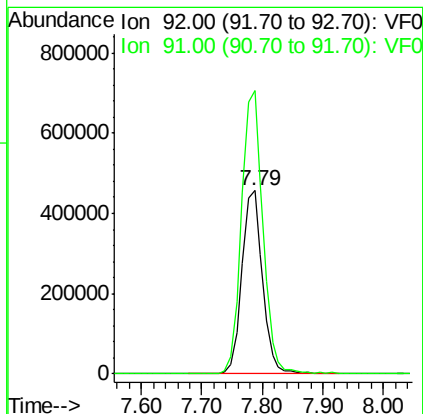
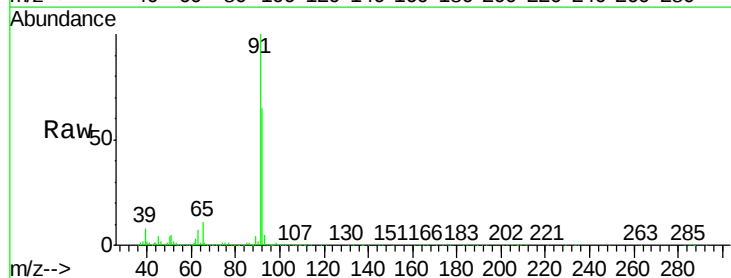
Acq: 10 Jun 2019 13:56

Tgt Ion: 92 Resp: 1081494

Ion Ratio Lower Upper

92 100

91 154.7 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 53.414 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tot Ion: 75 Resp: 493571

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

Instrument :

MSVOA_F

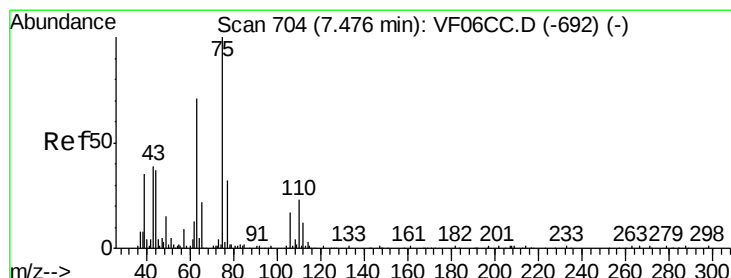
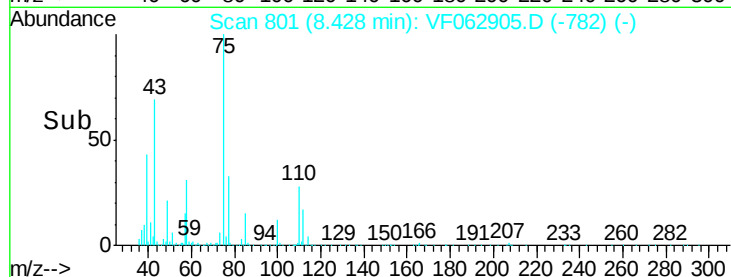
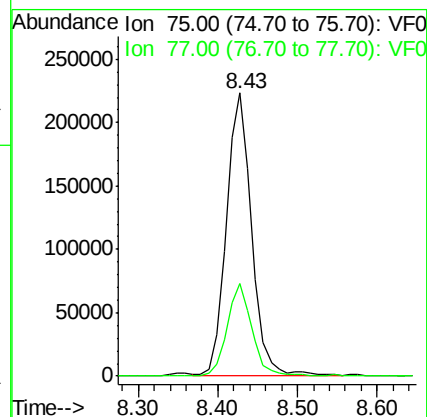
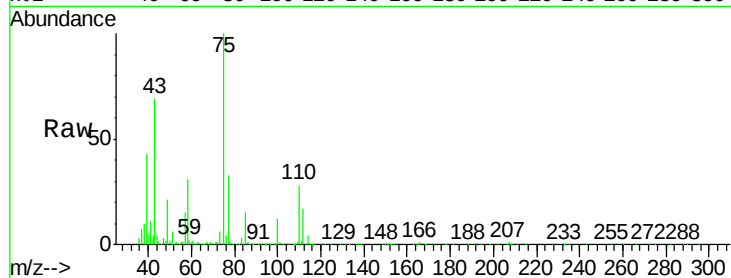
ClientSampleId :

VSTDCCC050

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6/11/2019 2:54:36 PM



#54

cis-1,3-Dichloropropene

Concen: 52.798 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

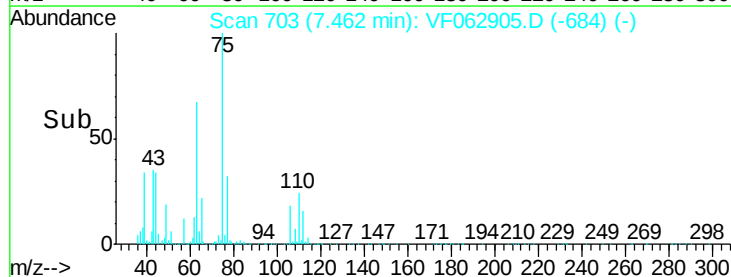
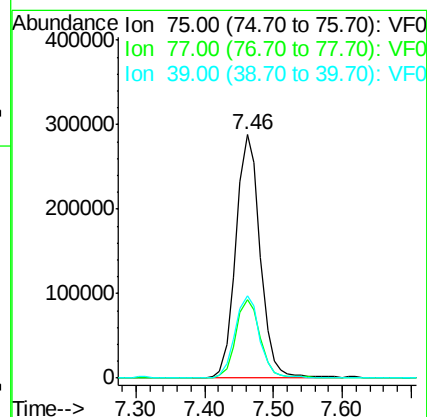
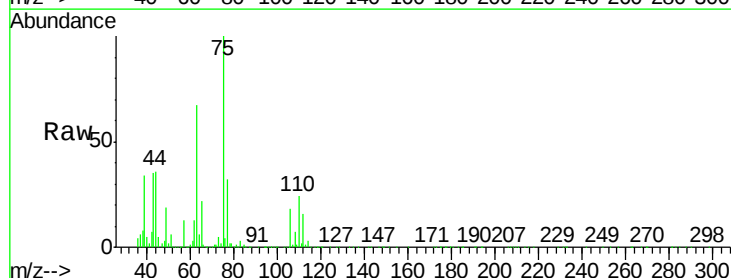
Tgt Ion: 75 Resp: 706209

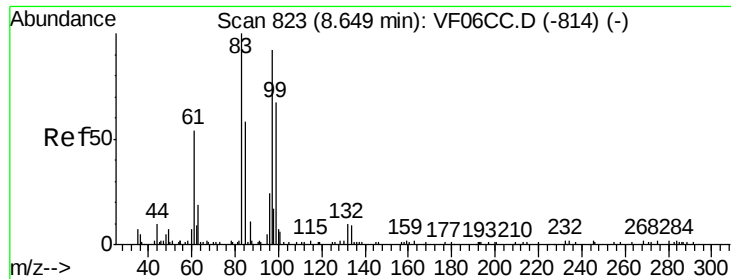
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 33.8 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 52.777 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

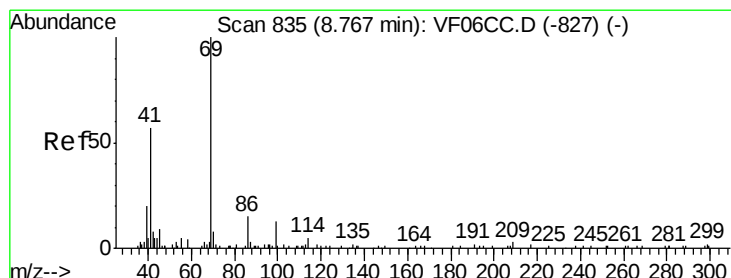
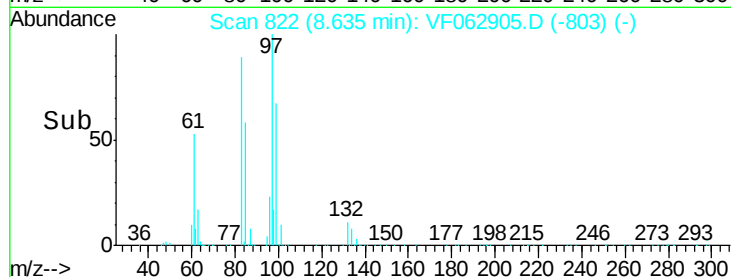
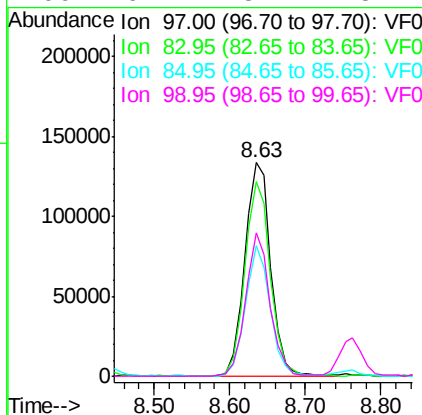
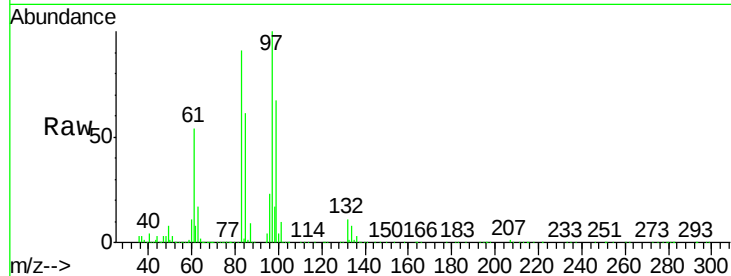
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	317380
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.0	108.0
85	60.9	47.5	71.3
99	67.1	54.1	81.1

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#56

Ethyl methacrylate

Concen: 51.816 ug/l

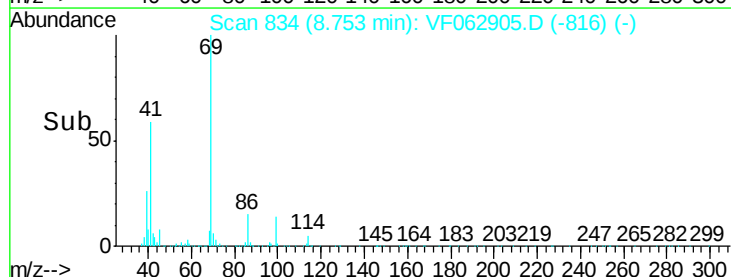
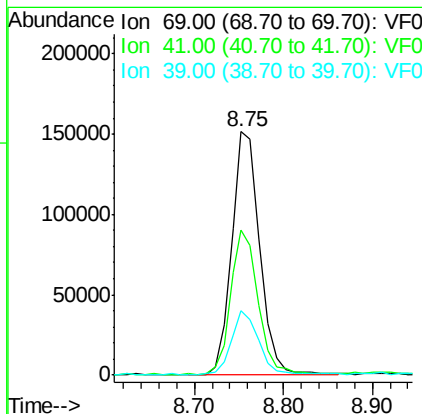
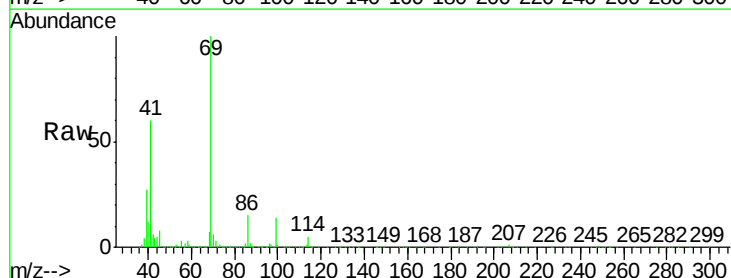
RT: 8.75 min Scan# 834

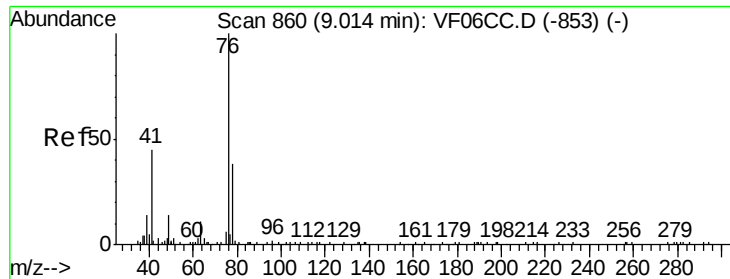
Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	69	Resp:	334335
Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.6	69.8
39	26.7	19.6	29.4





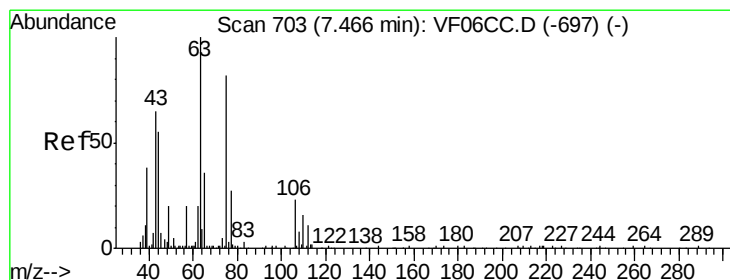
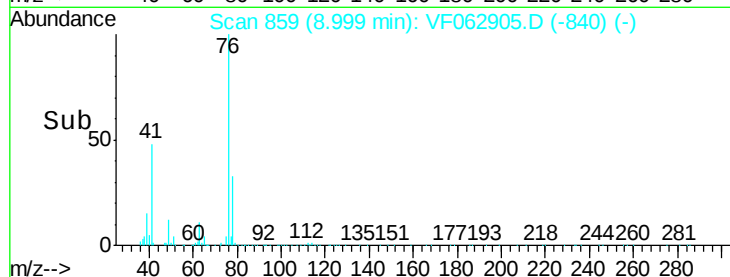
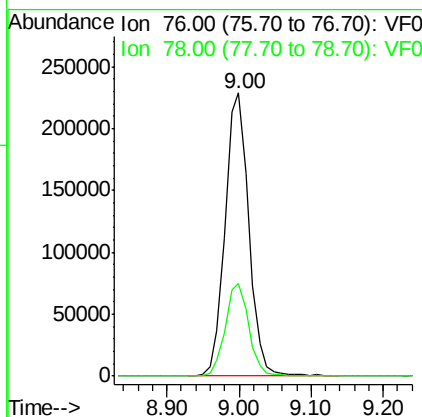
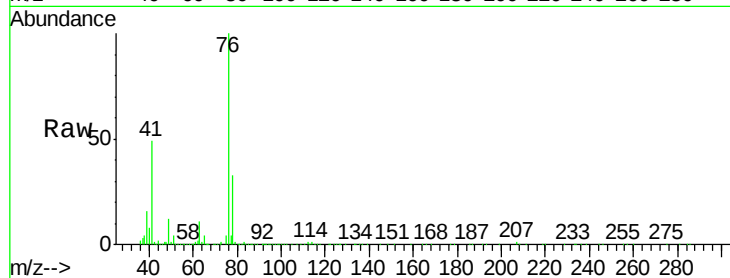
#57
 1,3-Dichloropropane
 Concen: 53.157 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.8	40.2

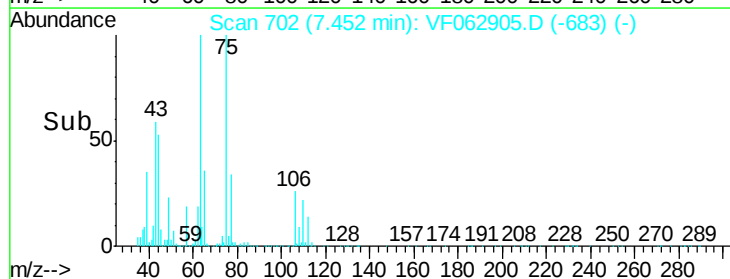
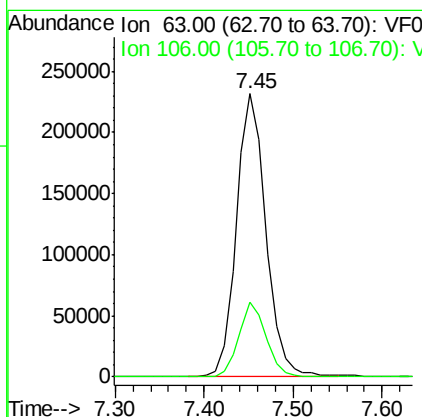
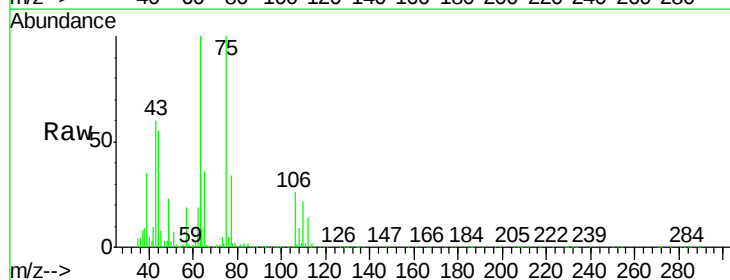
Manual Integrations
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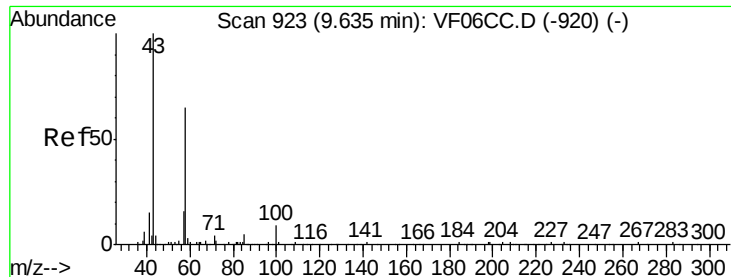
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 6/11/2019 2:54:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.426 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	19.5	29.3





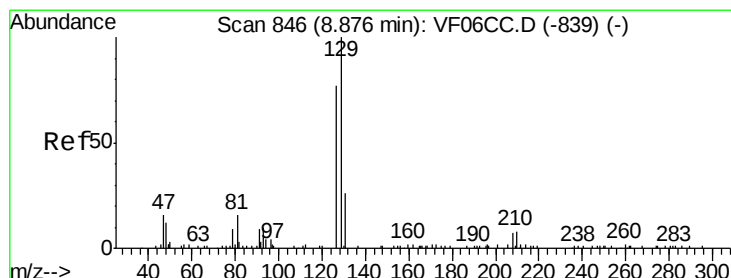
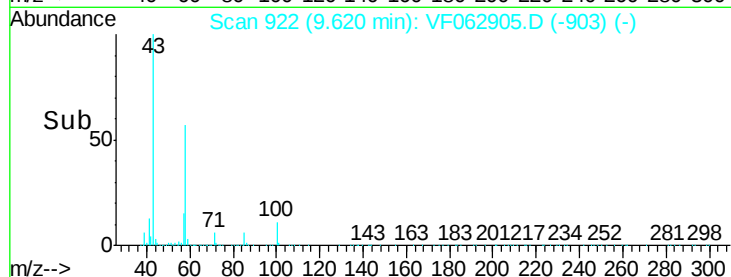
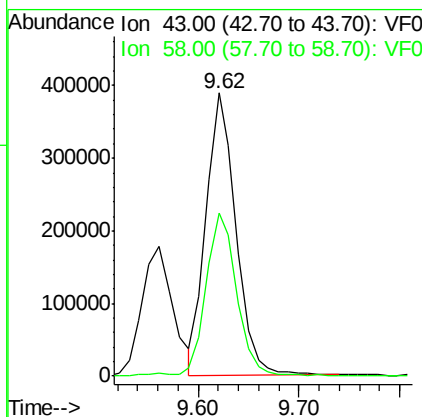
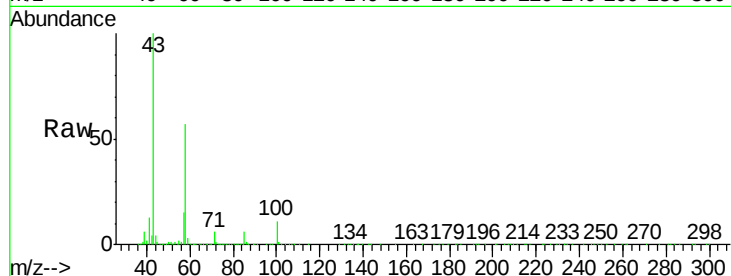
#59
2-Hexanone
Concen: 241.763 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 797761
Ion Ratio Lower Upper
43 100
58 57.5 29.3 87.9

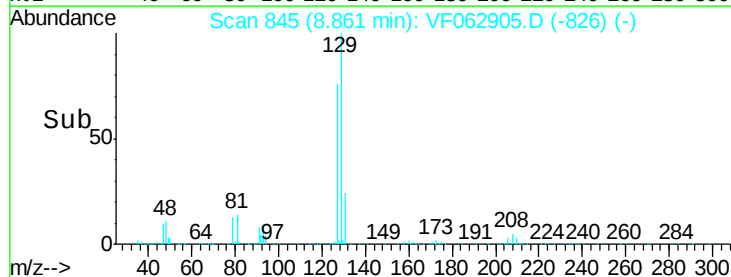
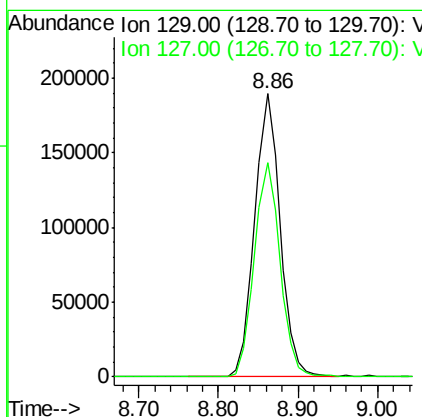
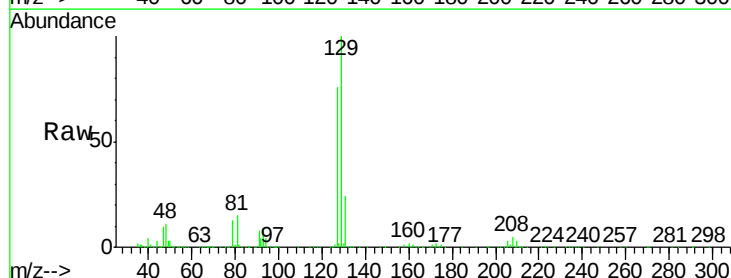
Manual Integrations
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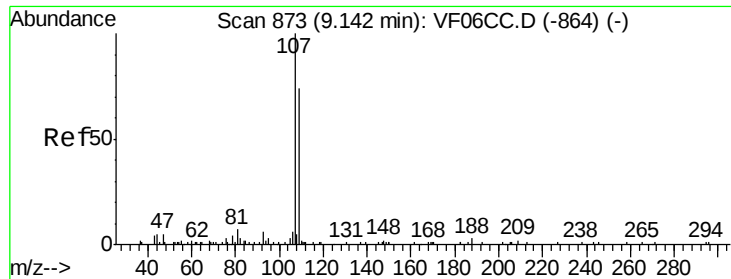
MMDadoda
6/11/2019 2:54:36 PM



#60
Dibromochloromethane
Concen: 56.139 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 129 Resp: 417963
Ion Ratio Lower Upper
129 100
127 75.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 53.415 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 333598

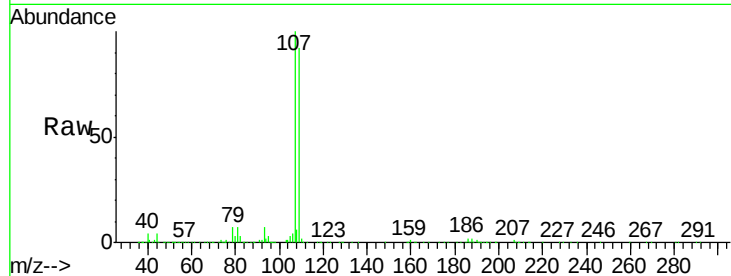
Ion Ratio Lower Upper

107 100

109 91.7 78.1 117.1

Manual Integrations
APPROVED

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

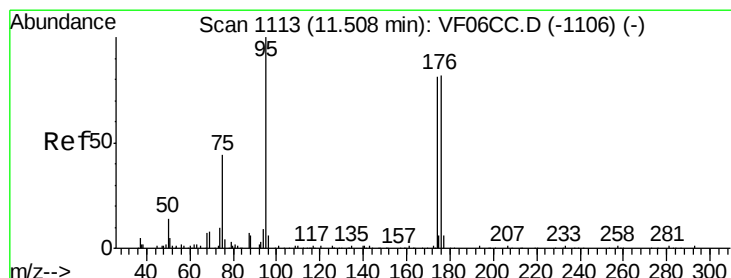
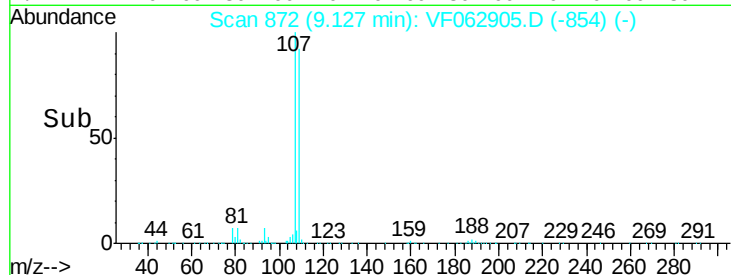
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.777 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

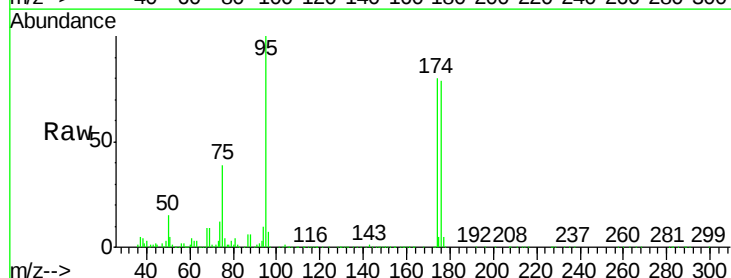
Tgt Ion: 95 Resp: 448488

Ion Ratio Lower Upper

95 100

174 79.6 0.0 170.6

176 78.8 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.49

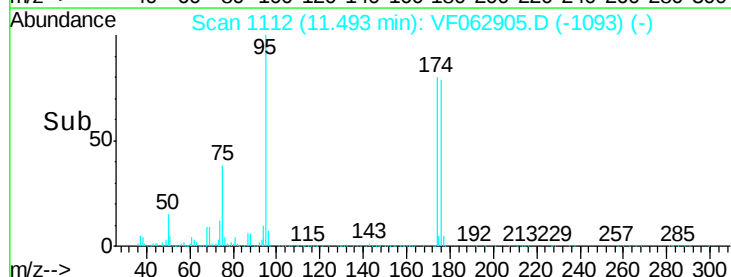
300000

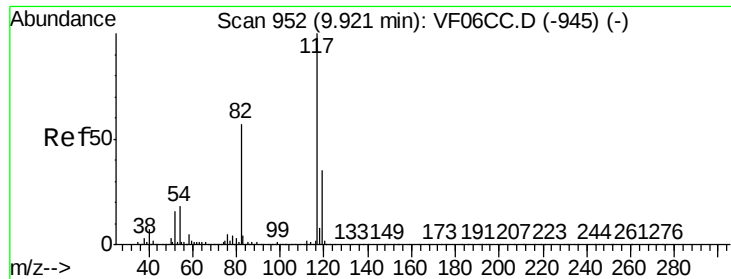
200000

100000

0

Time-->





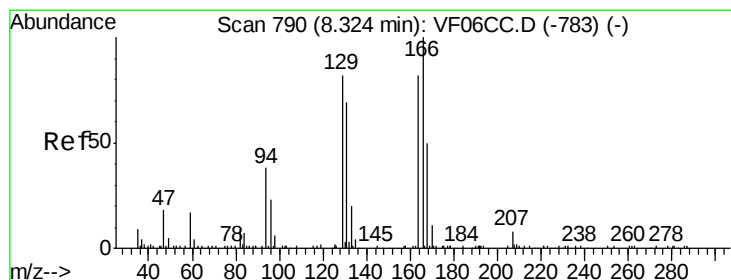
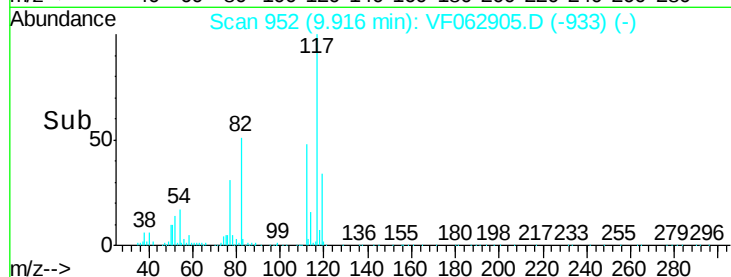
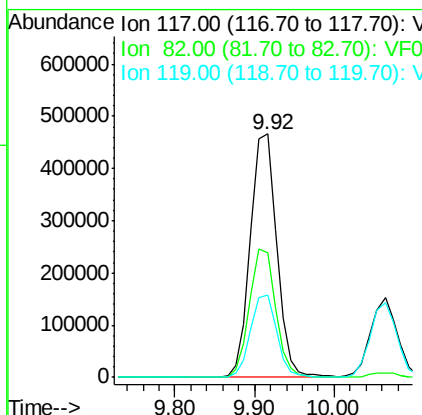
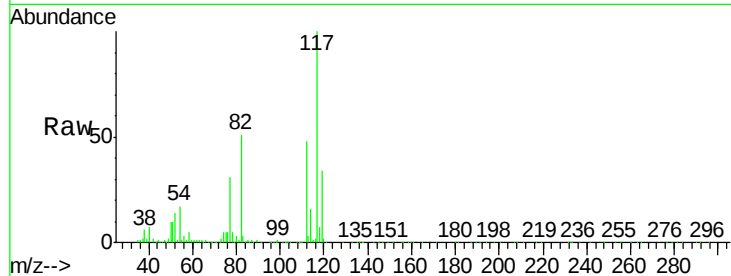
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1063095
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 33.7 27.1 40.7

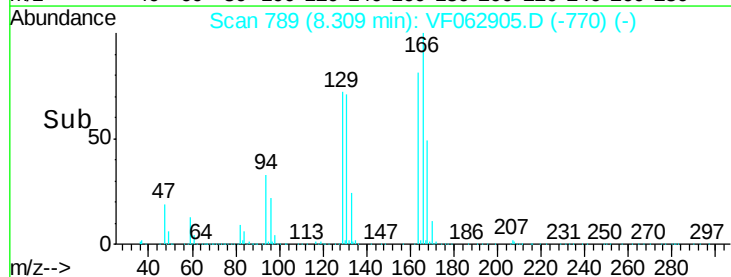
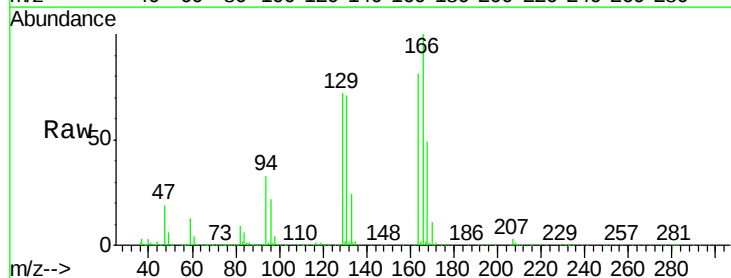
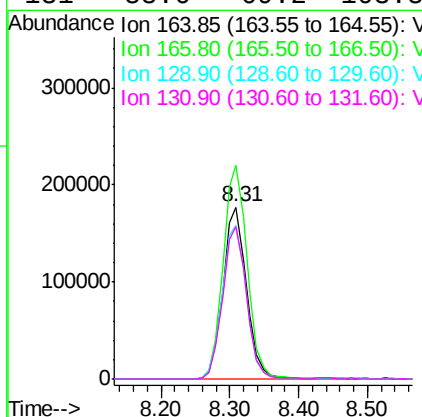
Manual Integrations
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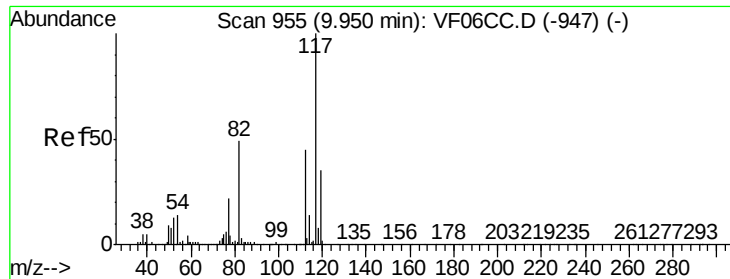
MMDadoda
6/11/2019 2:54:36 PM



#64
Tetrachloroethene
Concen: 51.439 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:164 Resp: 420216
Ion Ratio Lower Upper
164 100
166 124.2 99.1 148.7
129 89.5 69.5 104.3
131 88.6 69.2 103.8





#65

Chlorobenzene

Concen: 51.975 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1067055

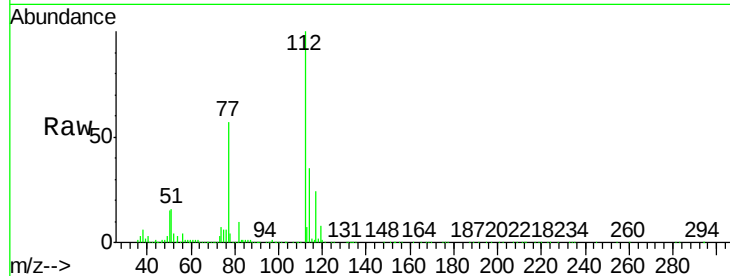
Ion Ratio Lower Upper

112 100

114 34.8 27.4 41.0

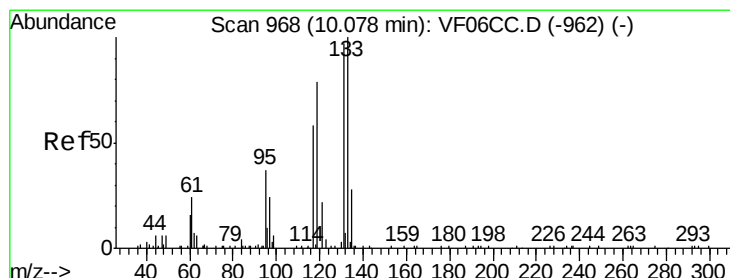
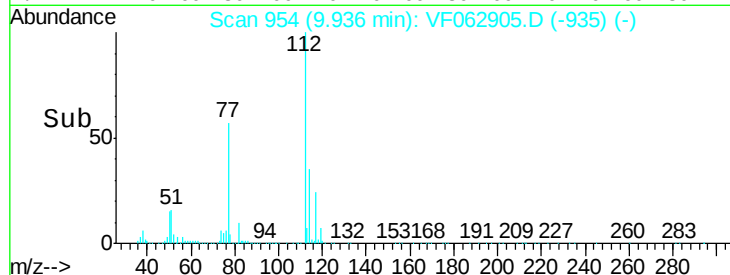
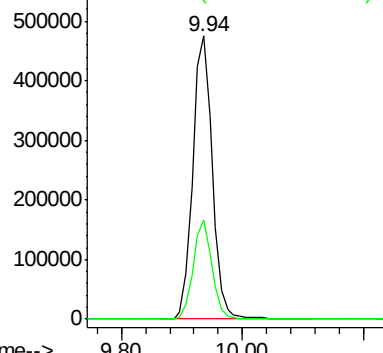
Manual Integrations
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.452 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

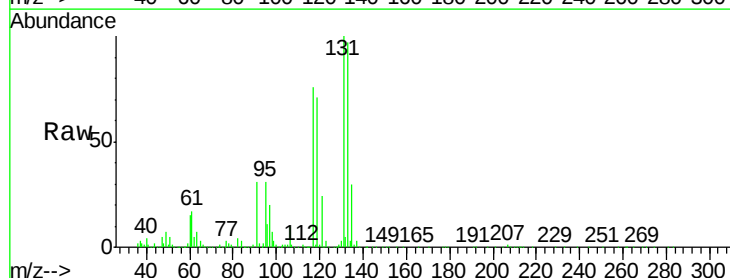
Tgt Ion:131 Resp: 453388

Ion Ratio Lower Upper

131 100

133 97.1 48.9 146.7

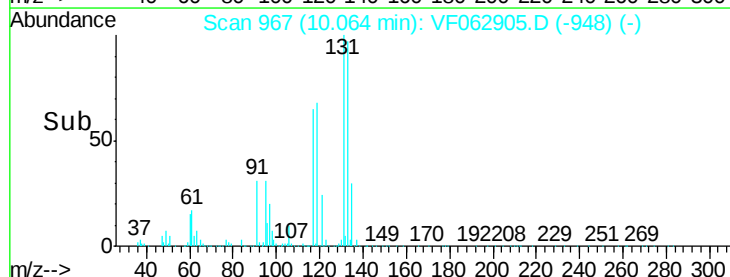
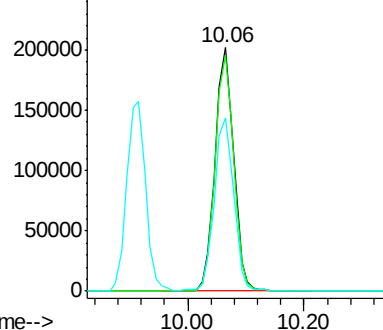
119 71.4 38.0 114.0

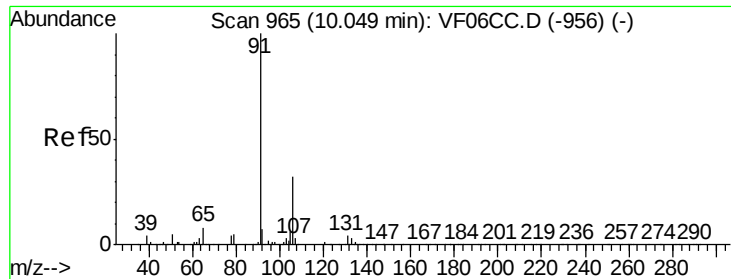


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 52.668 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1855516

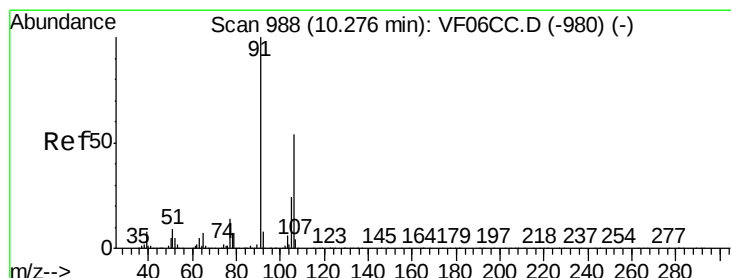
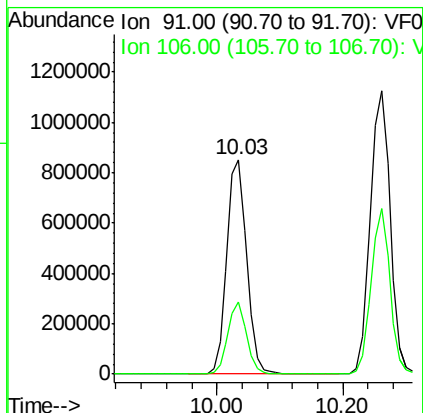
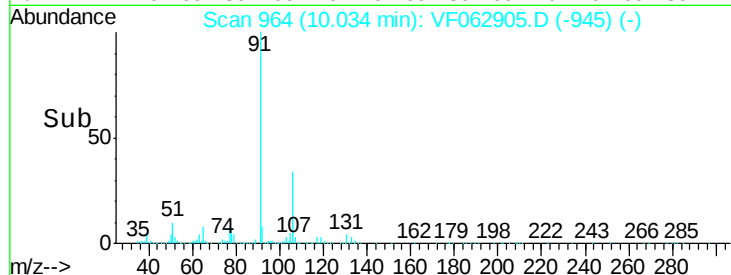
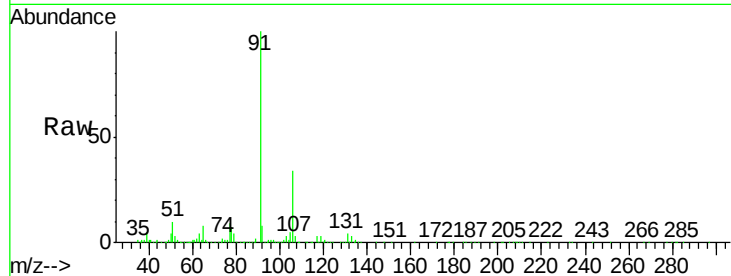
Ion Ratio Lower Upper

91 100

106 33.6 26.0 39.0

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6/11/2019 2:54:36 PM



#68

m/p-Xylenes

Concen: 101.559 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062905.D

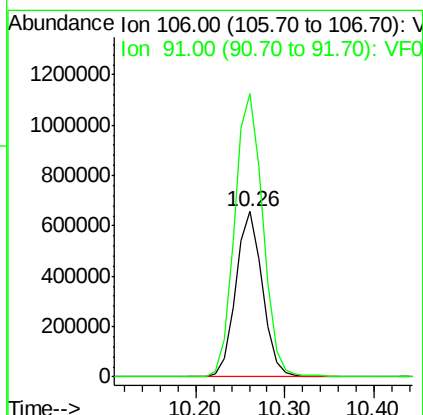
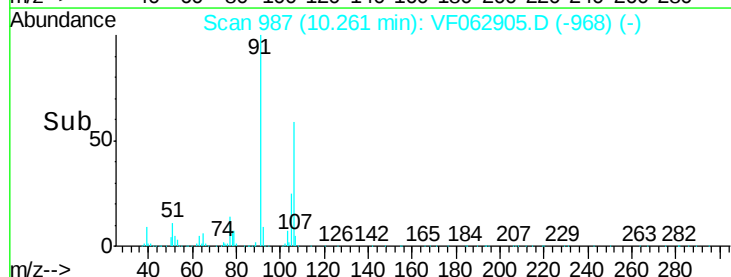
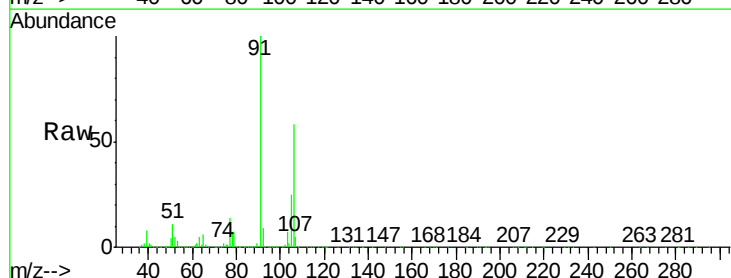
Acq: 10 Jun 2019 13:56

Tgt Ion: 106 Resp: 1369161

Ion Ratio Lower Upper

106 100

91 171.1 136.2 204.4





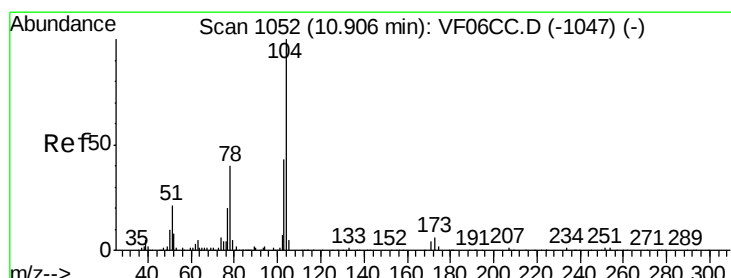
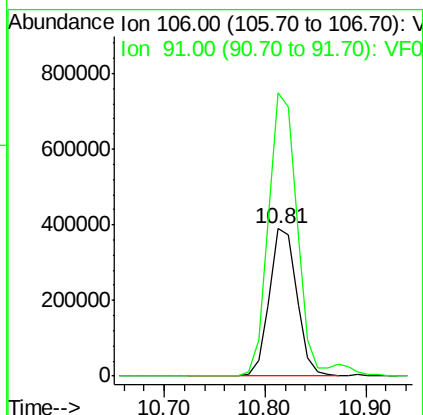
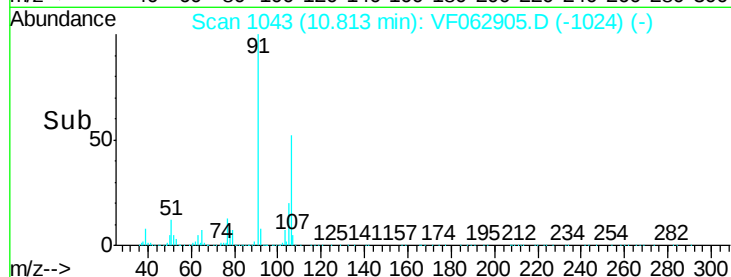
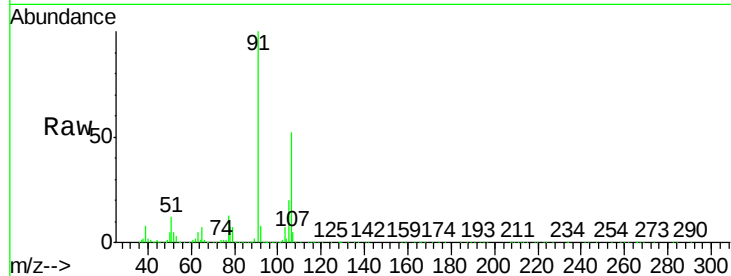
#69
o-Xylene
Concen: 53.803 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 734385
Ion Ratio Lower Upper
106 100
91 192.3 96.6 289.8

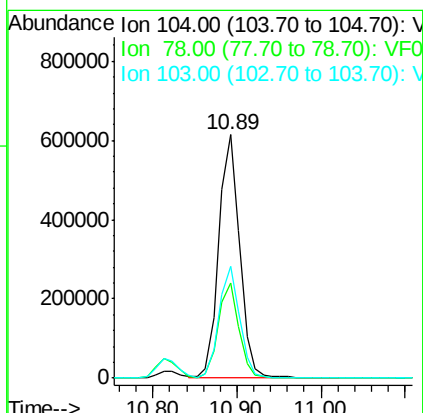
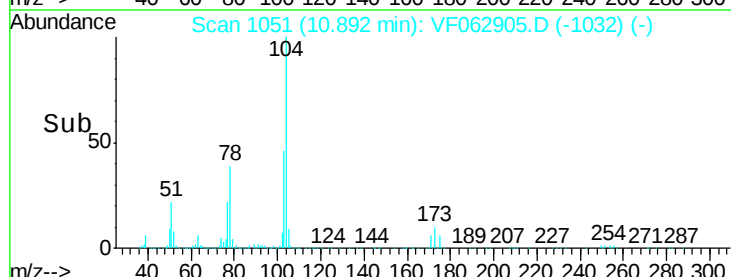
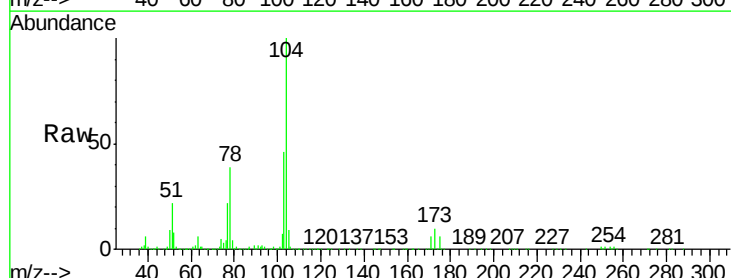
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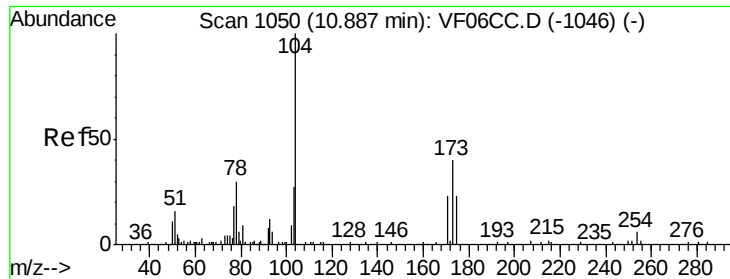
MMDadoda
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#70
Styrene
Concen: 52.594 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:104 Resp: 1058102
Ion Ratio Lower Upper
104 100
78 39.2 30.8 46.2
103 46.1 35.8 53.6





#71

Bromoform

Concen: 57.883 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 227035

Ion Ratio Lower Upper

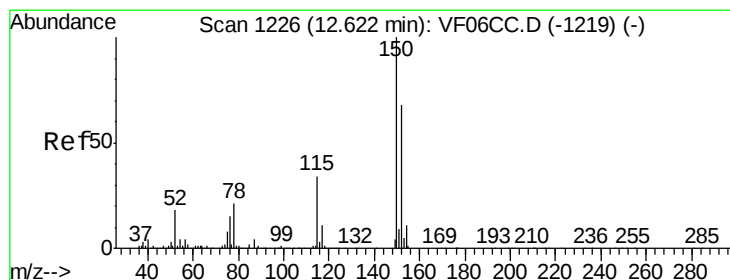
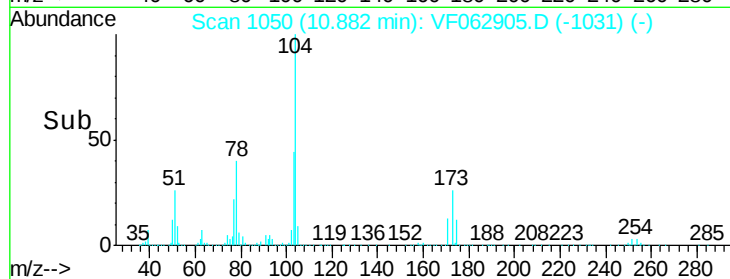
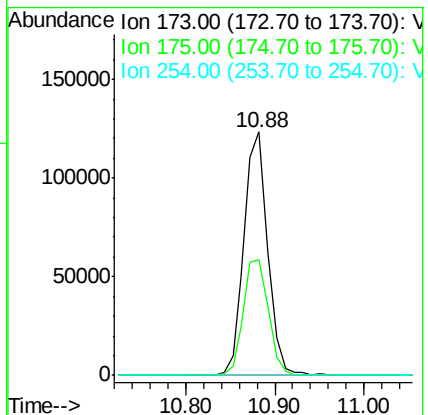
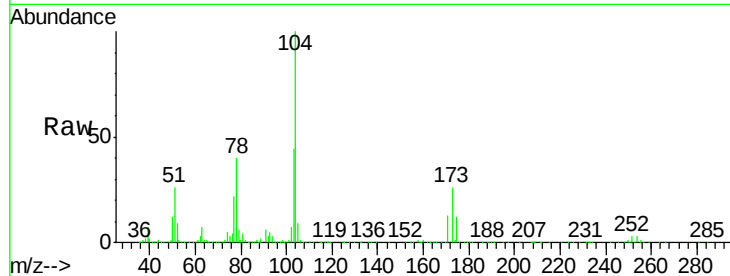
173 100

175 47.3 24.6 74.0

254 0.0 0.1 0.1#

Manual Integrations
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6/11/2019 2:54:36 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

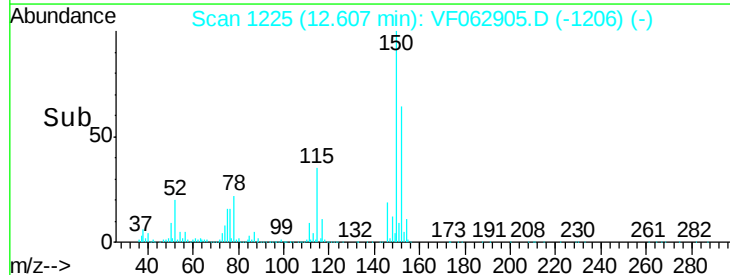
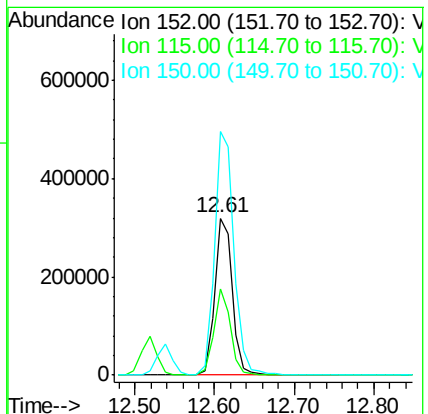
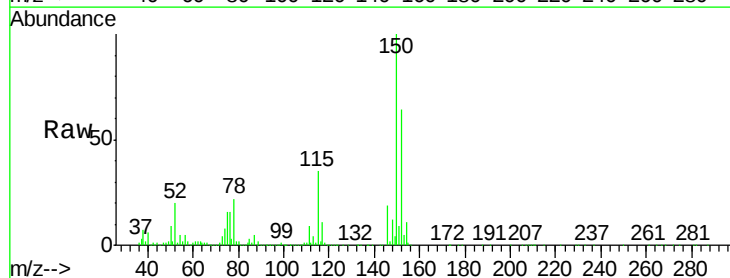
Tgt Ion:152 Resp: 499802

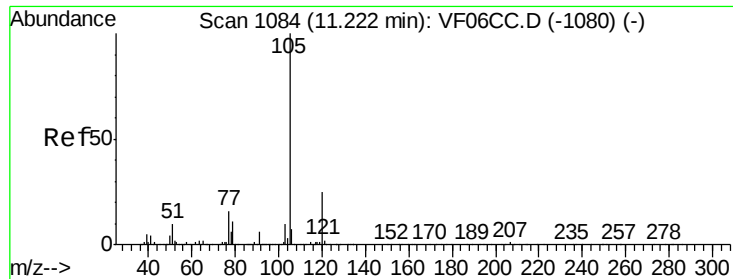
Ion Ratio Lower Upper

152 100

115 55.0 24.6 74.0

150 155.3 0.0 290.6





#73

Isopropylbenzene

Concen: 53.359 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1860843

Ion Ratio Lower Upper

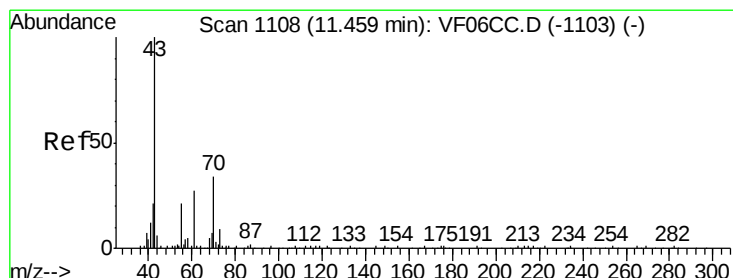
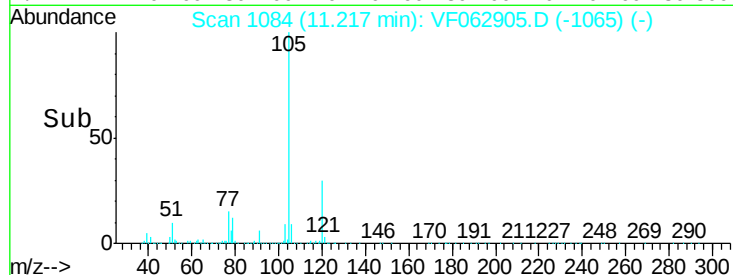
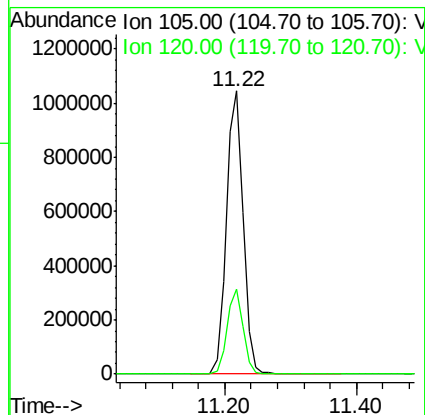
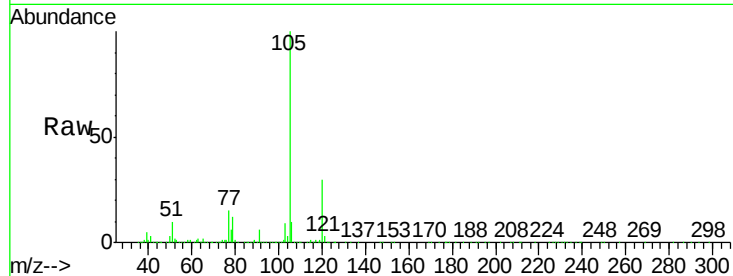
105 100

120 29.9 15.1 45.3

Manual Integrations
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6/11/2019 2:54:36 PM



#74

N-ethyl acetate

Concen: 46.275 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion: 43 Resp: 454842

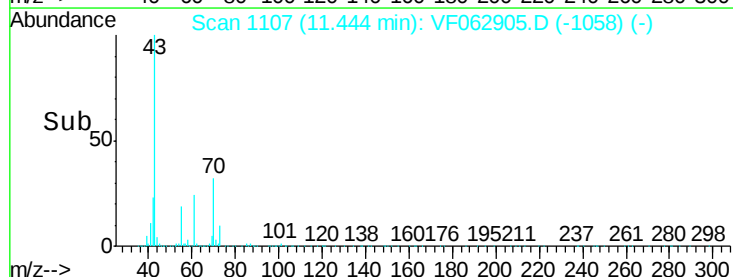
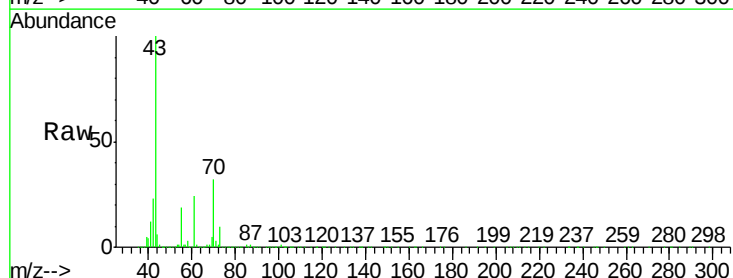
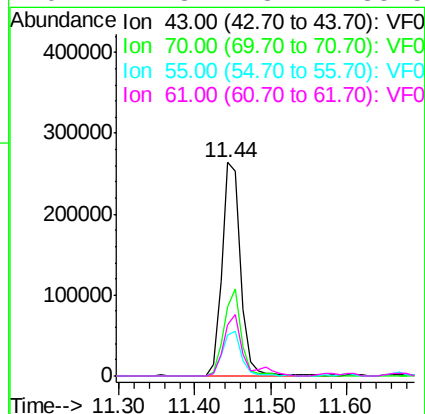
Ion Ratio Lower Upper

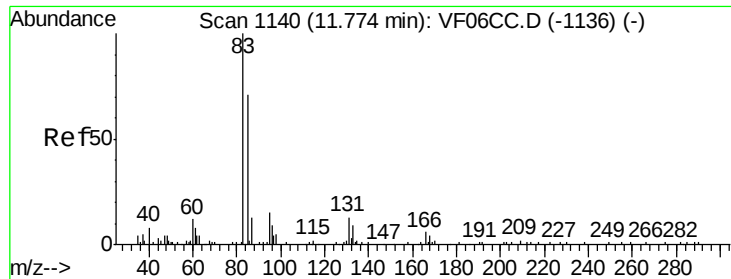
43 100

70 32.1 32.9 49.3#

55 18.9 17.3 25.9

61 24.3 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.178 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

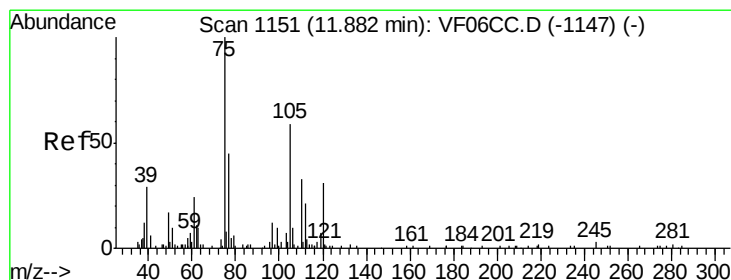
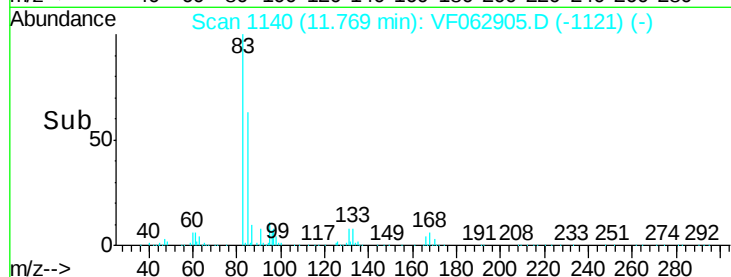
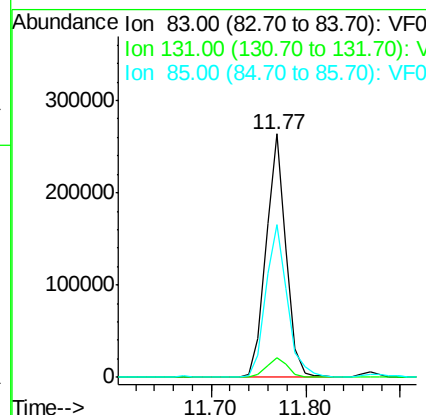
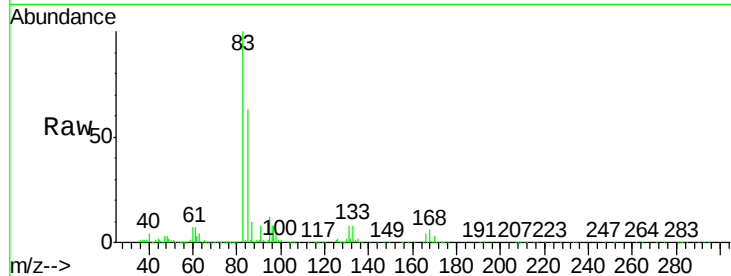
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	388596
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.9	14.7
85	62.6	32.1	96.5

Manual Integrations
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6/11/2019 2:54:36 PM



#76

1,2,3-Trichloropropane

Concen: 50.415 ug/l

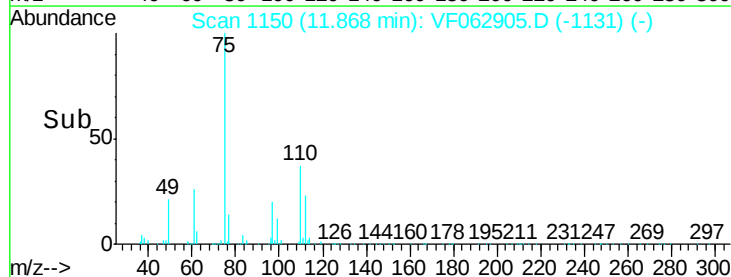
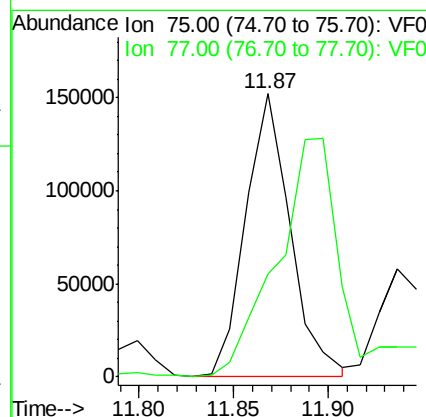
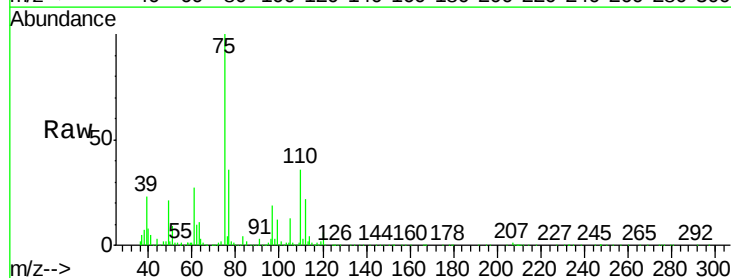
RT: 11.87 min Scan# 1150

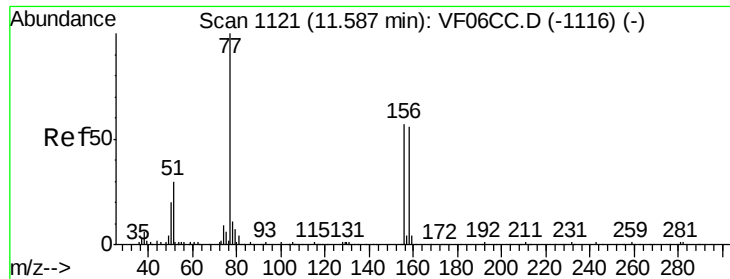
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	75	Resp:	248877
Ion Ratio	Lower	Upper	
75	100		
77	36.2	20.1	60.2





#77

Bromobenzene

Concen: 51.982 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

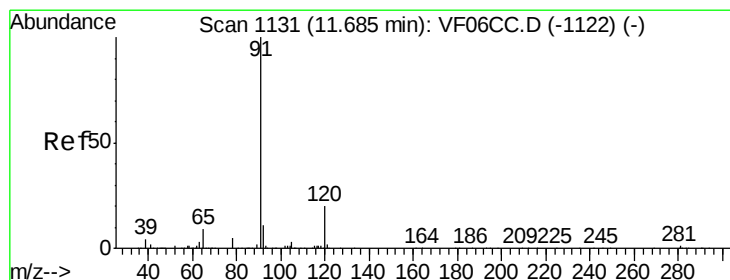
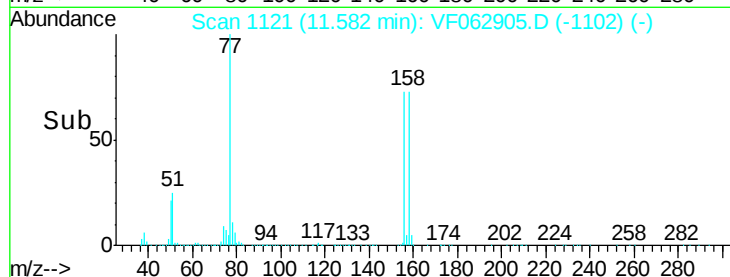
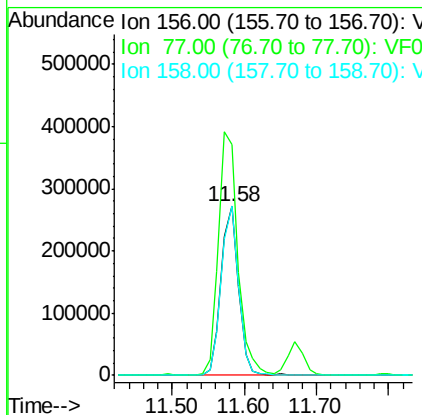
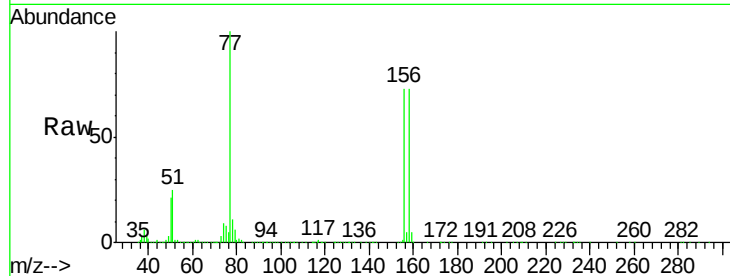
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	455489
Ion Ratio	Lower	Upper	
156	100		
77	136.5	64.2	192.6
158	100.0	50.3	151.0

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#78

n-propylbenzene

Concen: 50.827 ug/l

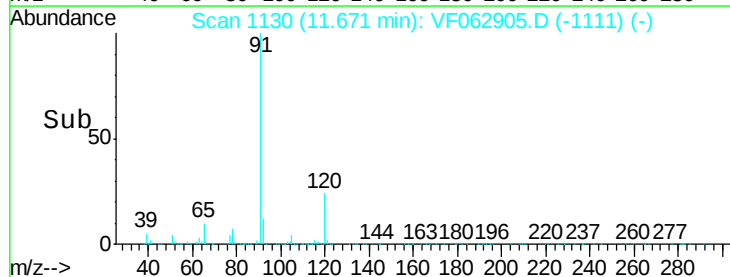
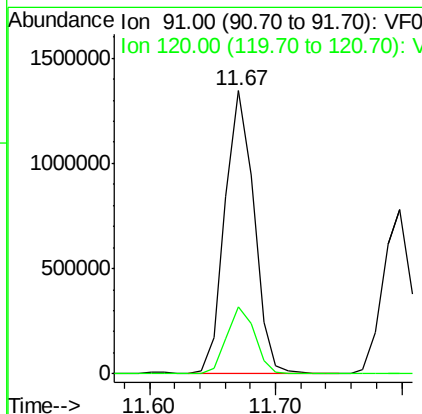
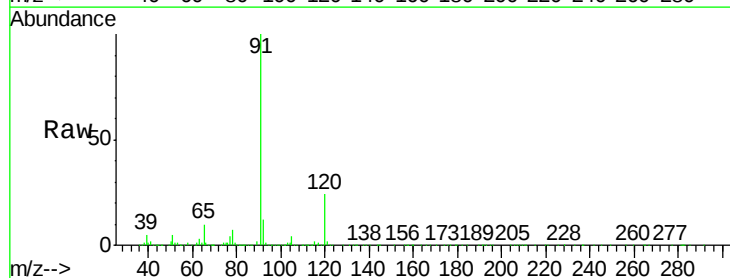
RT: 11.67 min Scan# 1130

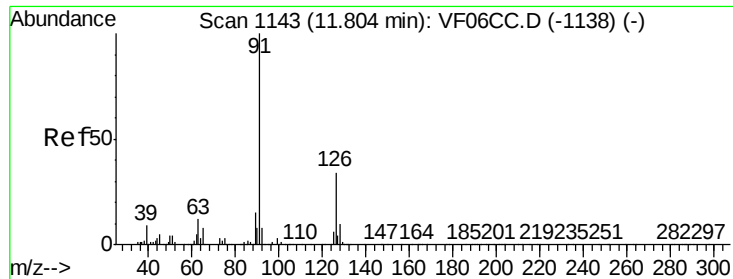
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	91	Resp:	2140229
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.8	38.4





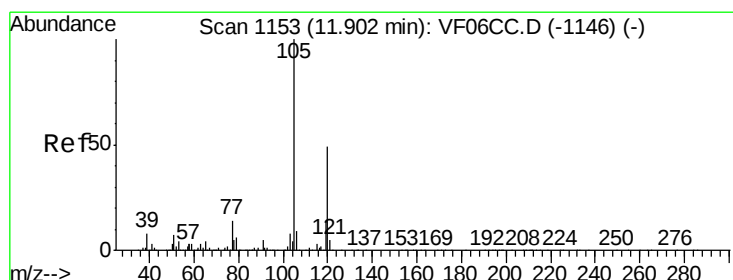
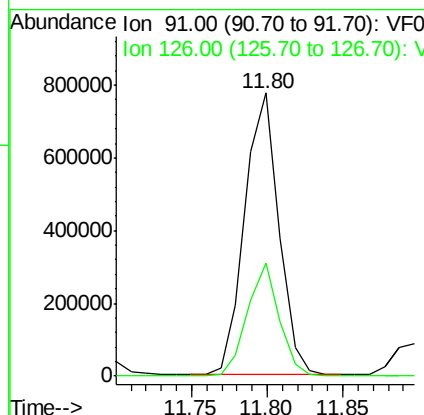
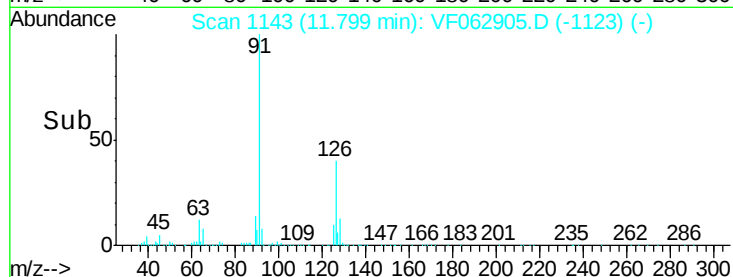
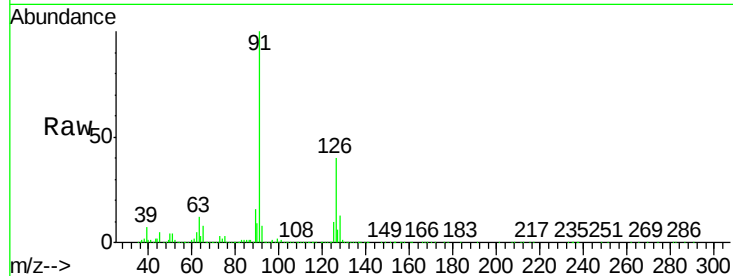
#79
2-Chlorotoluene
Concen: 50.548 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1217900
Ion Ratio Lower Upper
91 100
126 40.1 17.8 53.3

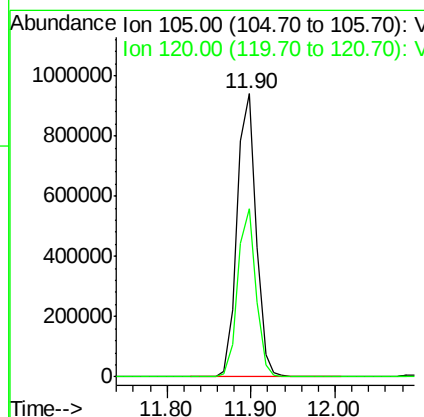
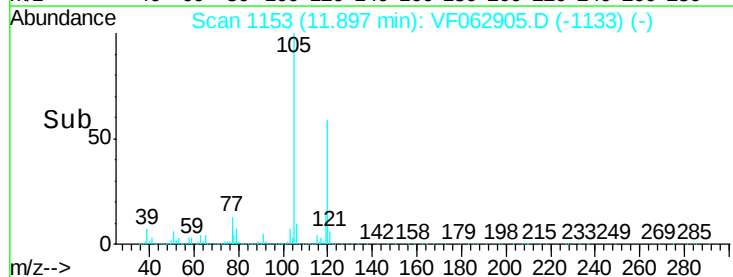
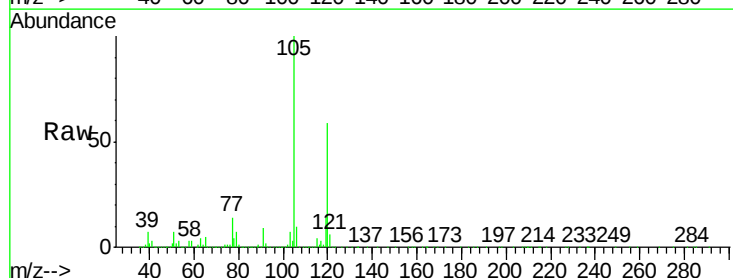
Manual Integrations
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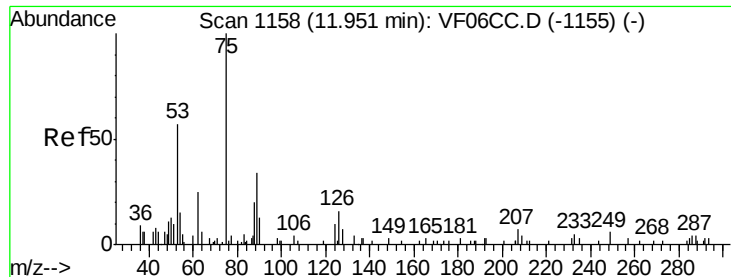
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.758 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:105 Resp: 1476117
Ion Ratio Lower Upper
105 100
120 59.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 47.622 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

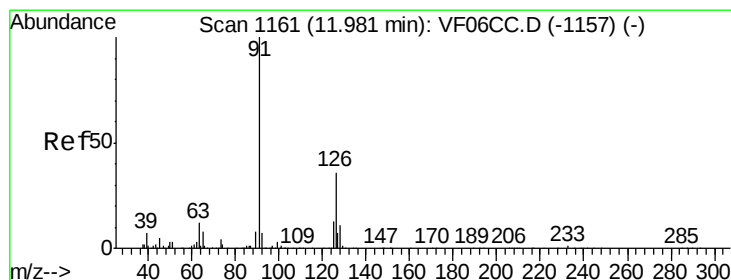
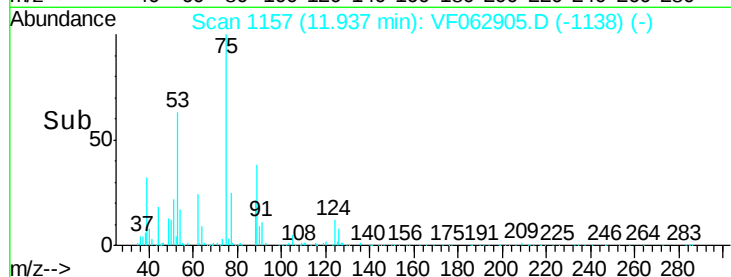
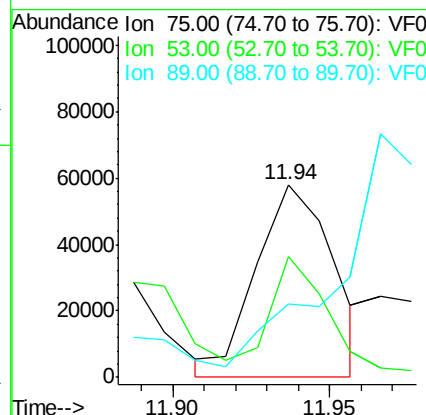
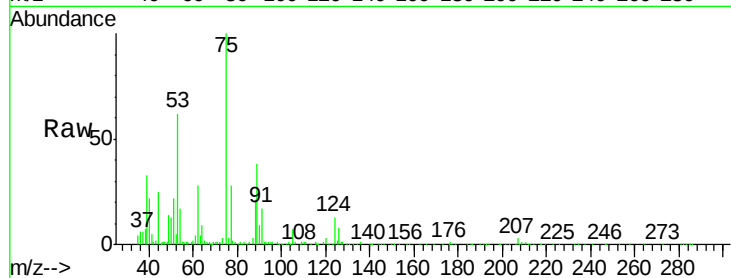
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	99530
Ion	Ratio	Lower	Upper
75	100		
53	62.5	43.5	65.3
89	37.8	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.814 ug/l

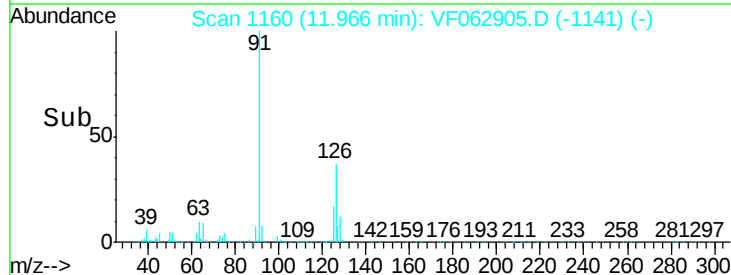
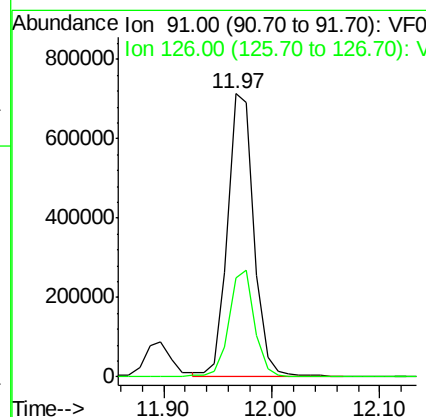
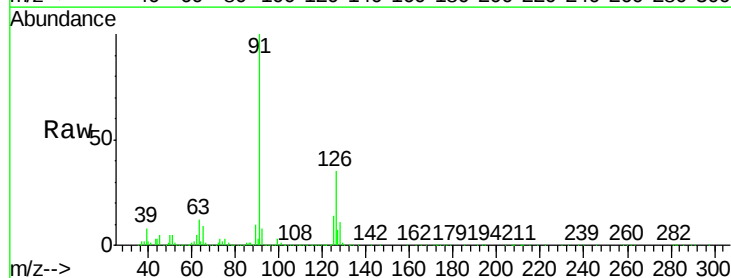
RT: 11.97 min Scan# 1160

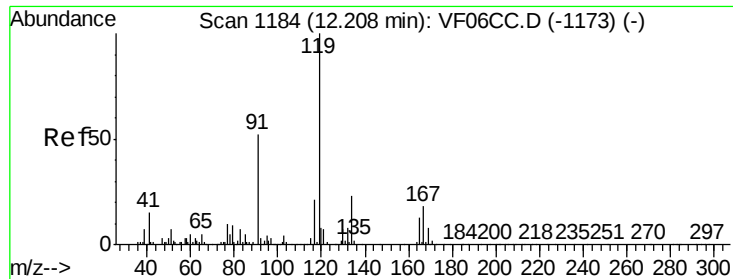
Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:	91	Resp:	1203194
Ion	Ratio	Lower	Upper
91	100		
126	34.8	19.1	57.1





#83

tert-Butylbenzene

Concen: 56.789 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

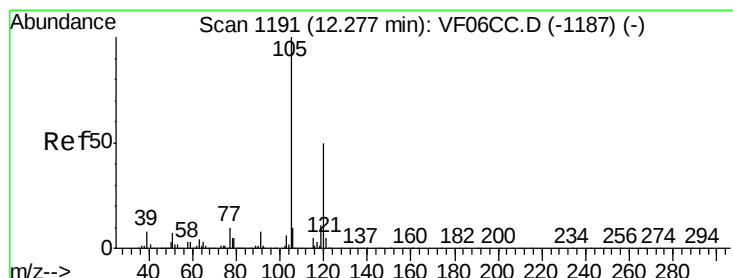
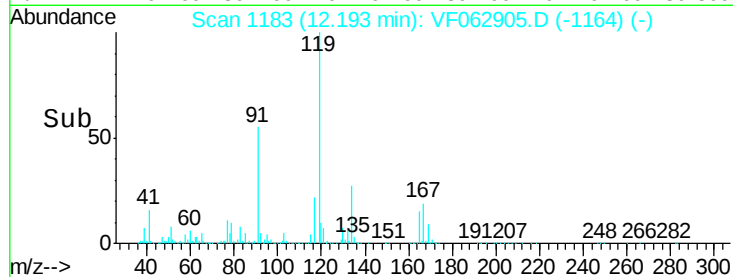
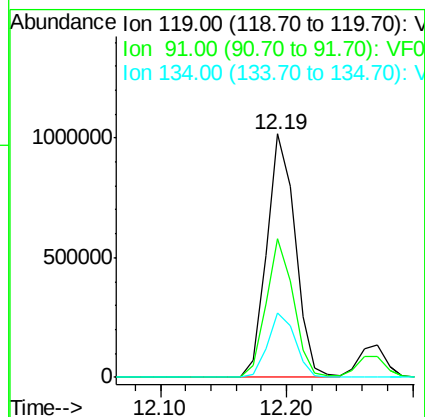
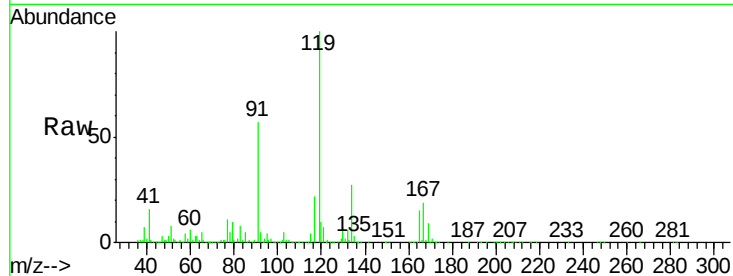
ClientSampled :

VSTDCCC050

Tot Ion:119	Resp: 1604831
Ion Ratio	Lower Upper
119 100	
91 56.7	28.9 86.7
134 26.7	14.3 42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.730 ug/l

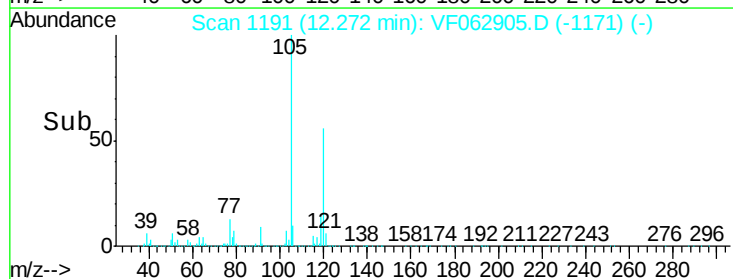
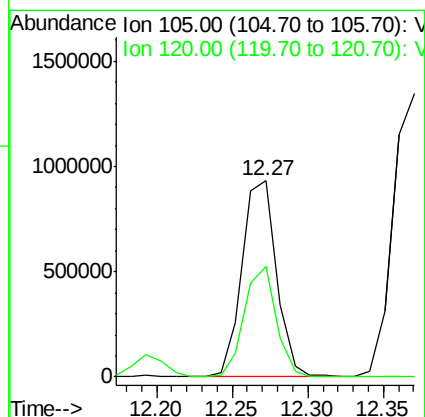
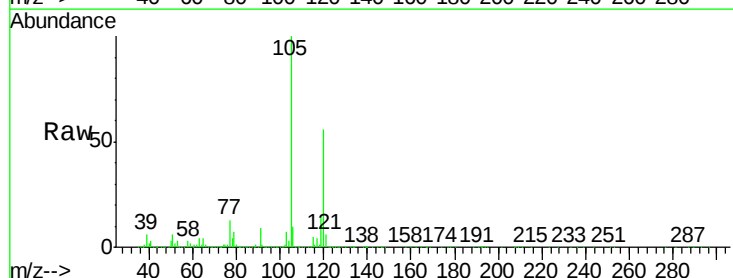
RT: 12.27 min Scan# 1191

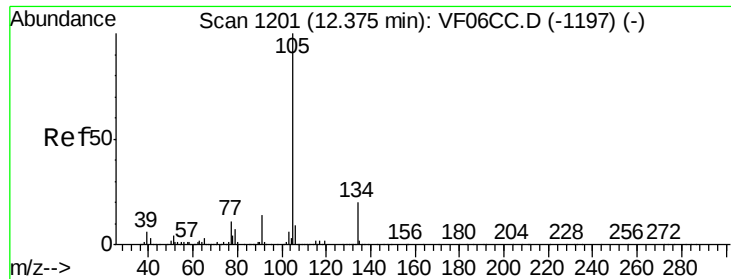
Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:105	Resp: 1479925
Ion Ratio	Lower Upper
105 100	
120 56.1	27.1 81.3





#85

sec-Butylbenzene

Concen: 56.727 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2112343

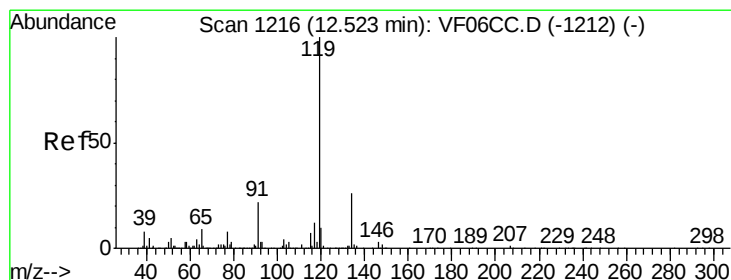
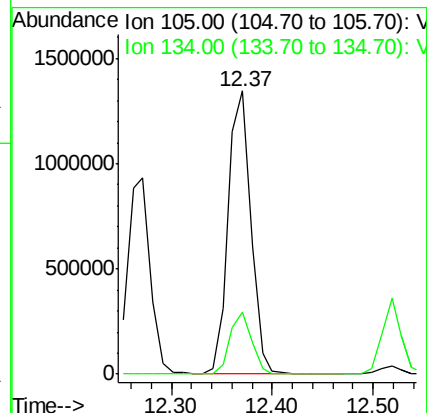
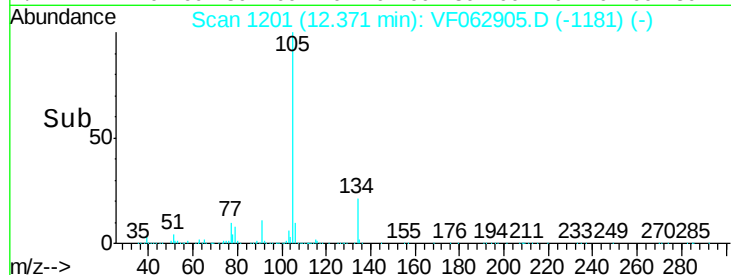
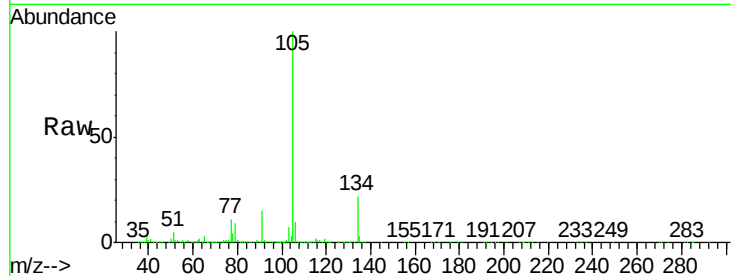
Ion Ratio Lower Upper

105 100

134 22.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 54.073 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

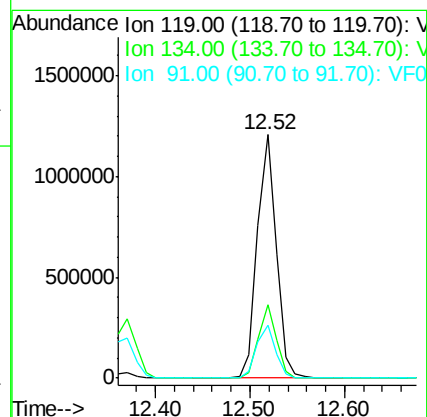
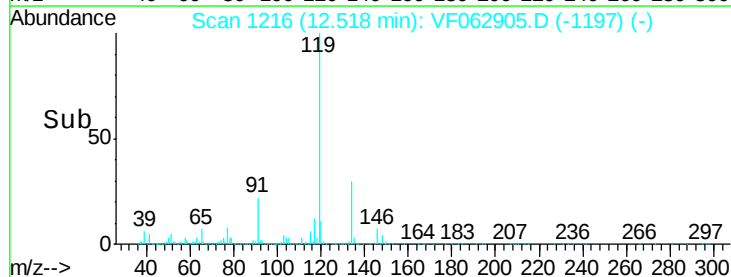
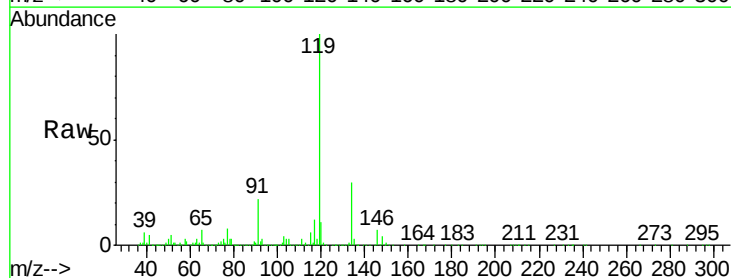
Tgt Ion:119 Resp: 1675967

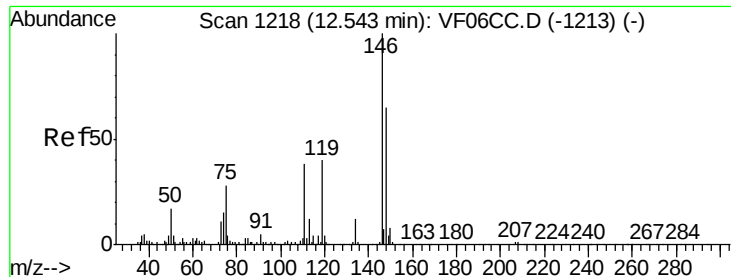
Ion Ratio Lower Upper

119 100

134 30.0 15.5 46.5

91 21.7 10.3 30.9





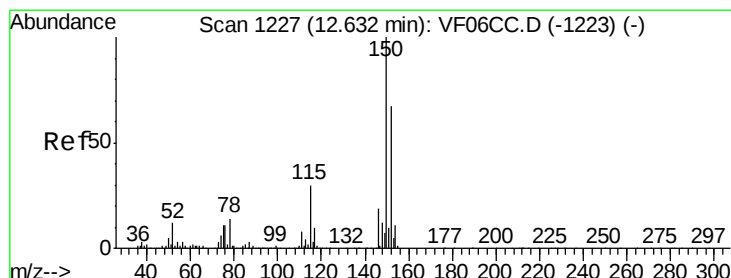
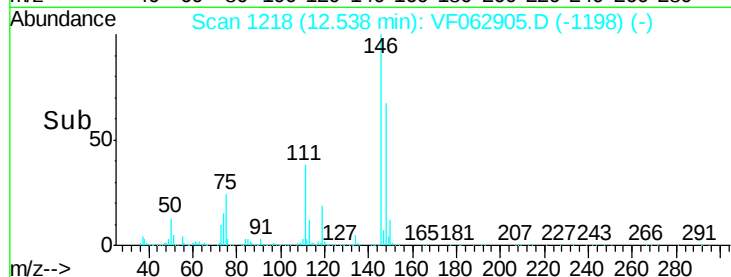
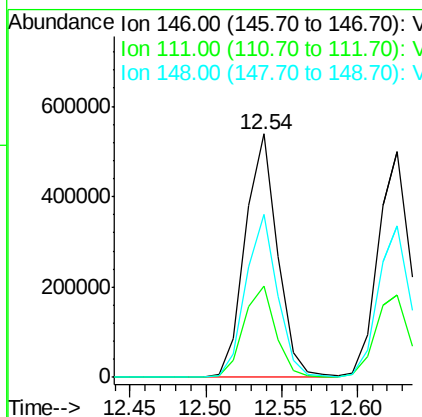
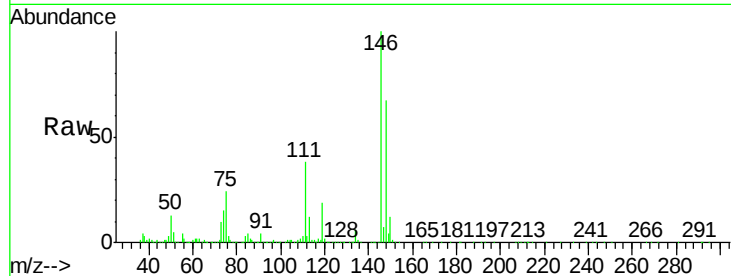
#87
 1,3-Dichlorobenzene
 Concen: 51.946 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.6	58.8
148	67.0	34.2	102.5

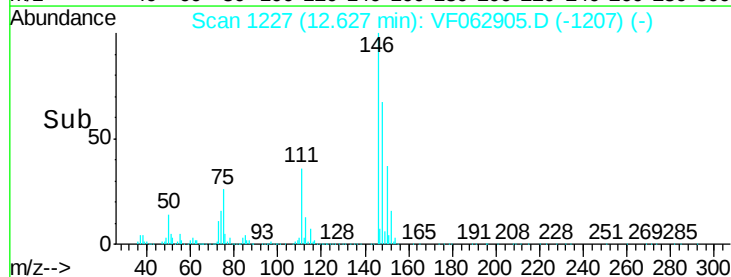
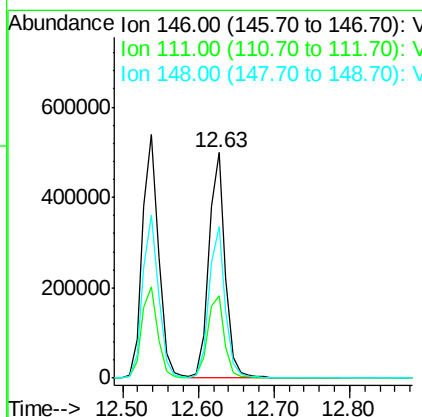
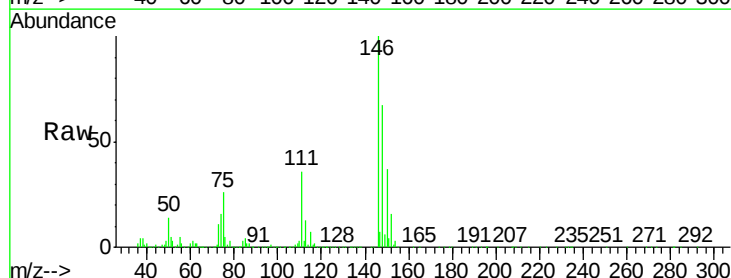
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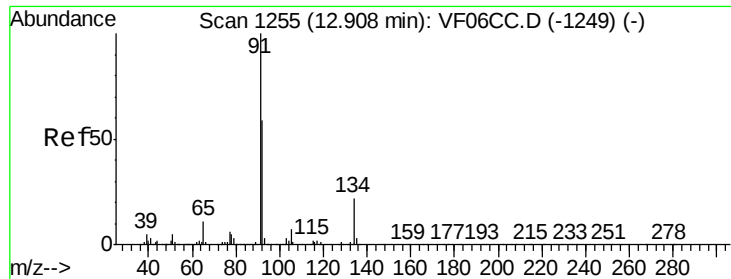
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#88
 1,4-Dichlorobenzene
 Concen: 52.577 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	20.3	60.9
148	67.3	34.0	101.8





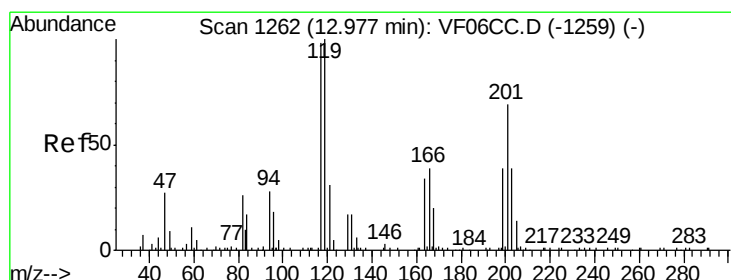
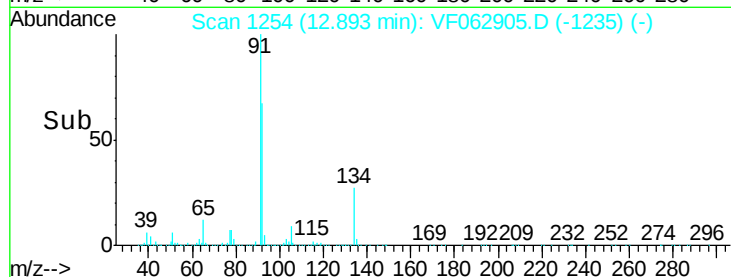
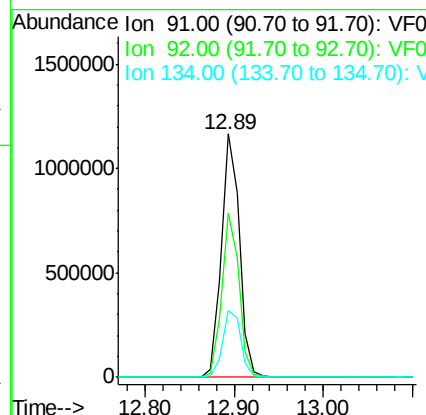
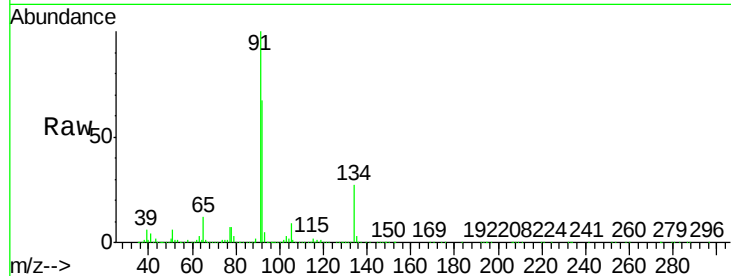
#89
n-Butylbenzene
Concen: 53.228 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.4	34.2	102.6
134	27.3	15.8	47.3

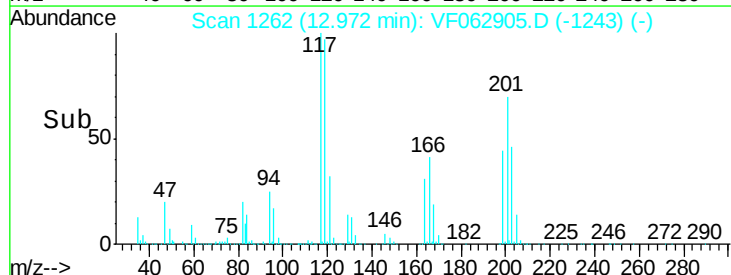
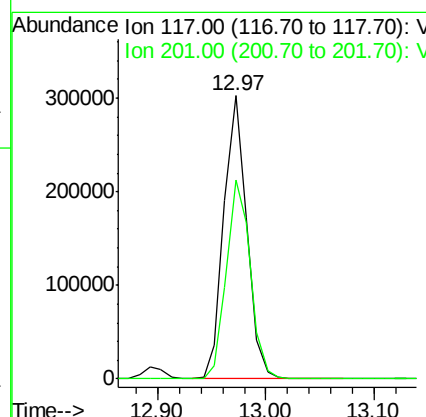
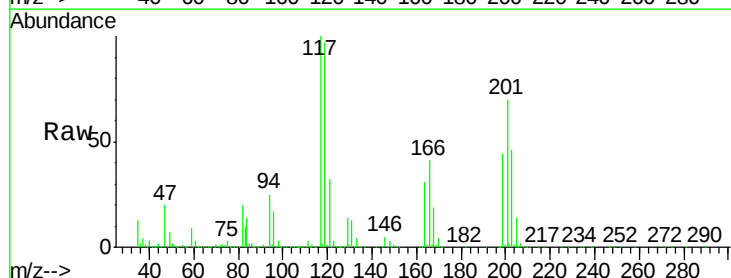
Manual Integrations
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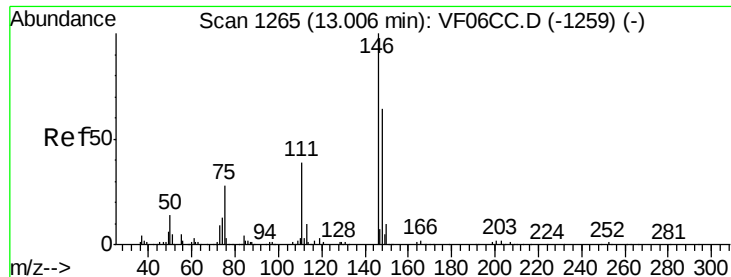
MMDadoda
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#90
Hexachloroethane
Concen: 59.272 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	38.9	116.7





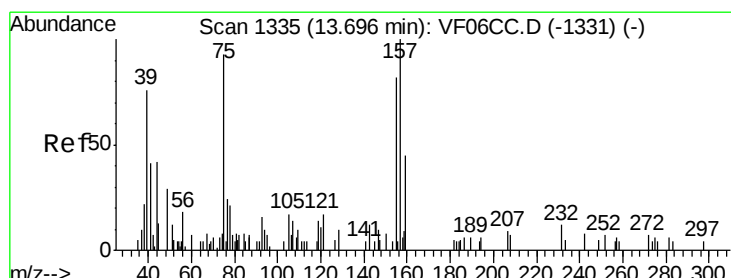
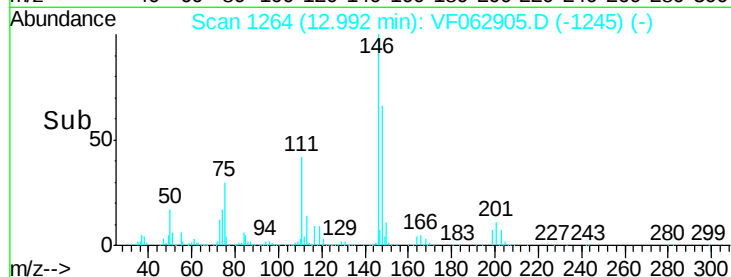
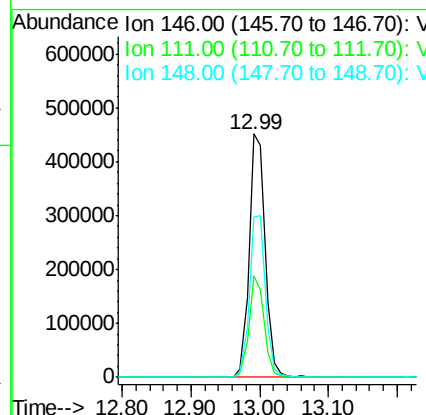
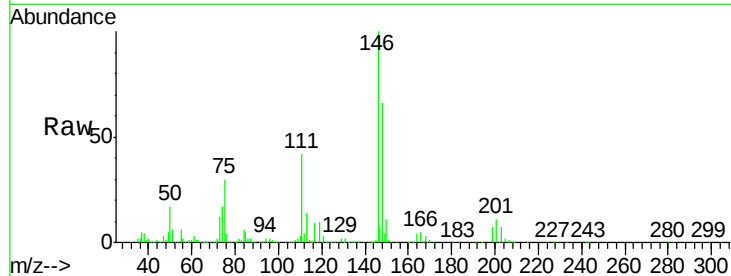
#91
 1,2-Dichlorobenzene
 Concen: 53.342 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.3
148	66.0	34.1	102.3

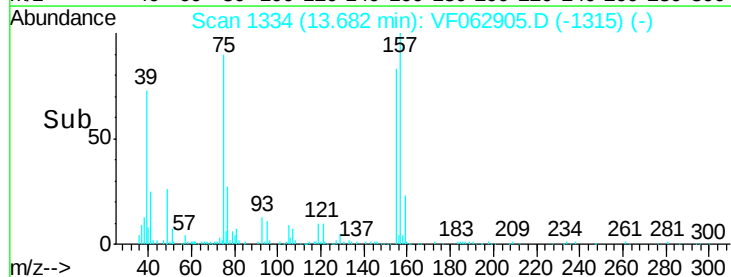
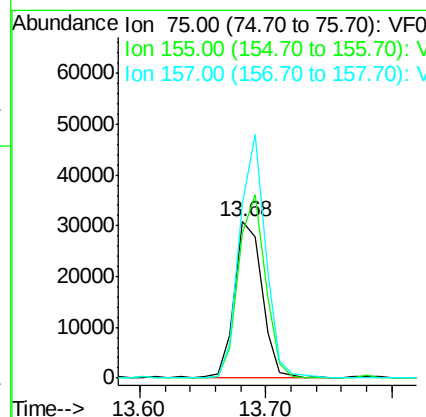
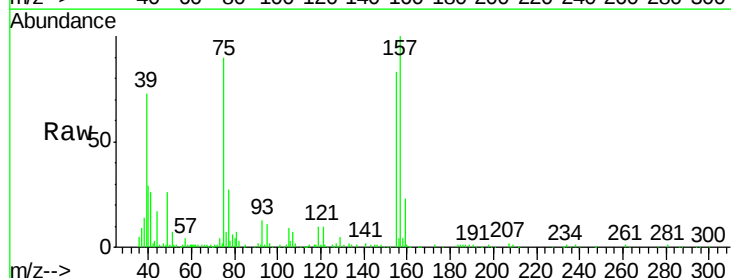
Manual Integrations
 APPROVED

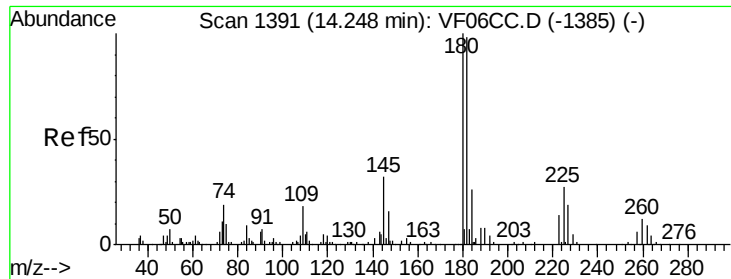
MMDadoda
 6/11/2019 2:54:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.823 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	51.7	155.1
157	111.5	66.8	200.6





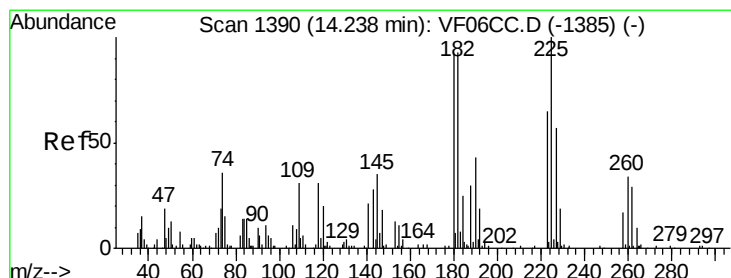
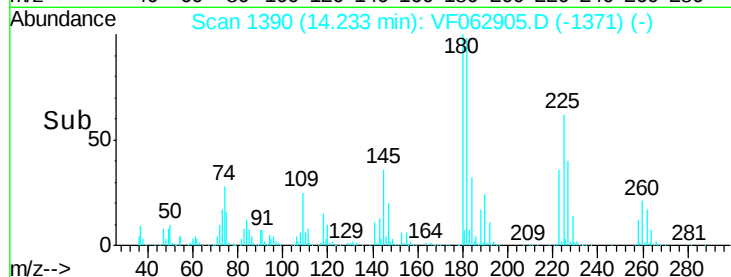
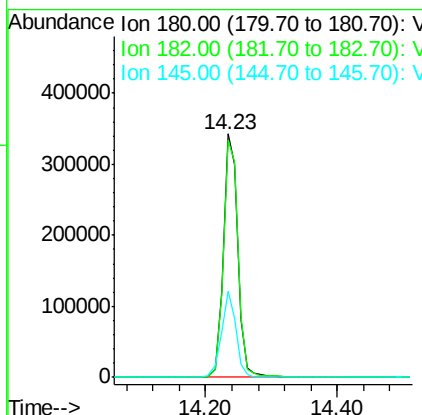
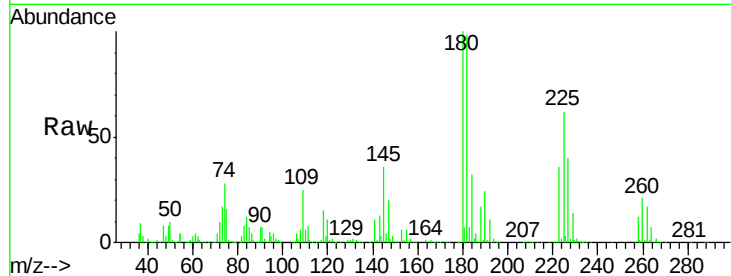
#93
 1,2,4-Trichlorobenzene
 Concen: 56.351 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	525535		
182	97.6	50.3	150.9	
145	35.6	15.4	46.2	

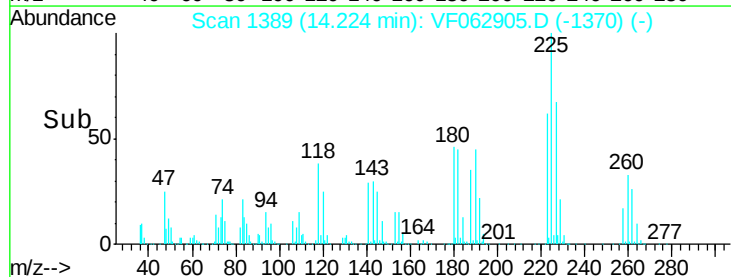
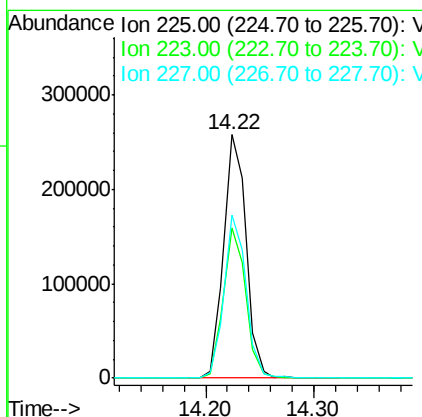
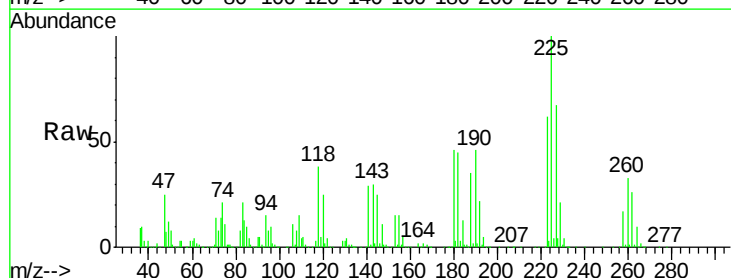
Manual Integrations
 APPROVED

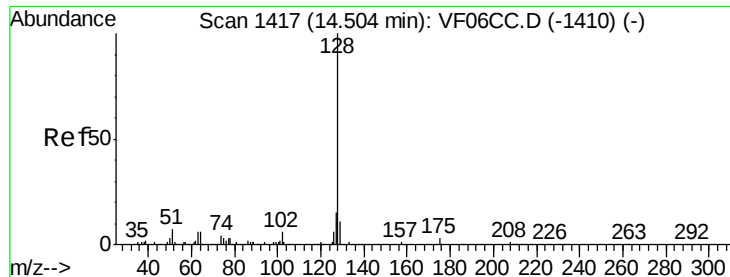
MMDadoda
 6/11/2019 2:54:36 PM



#94
 Hexachlorobutadiene
 Concen: 57.771 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	372730		
223	61.7	30.8	92.4	
227	67.2	31.9	95.5	





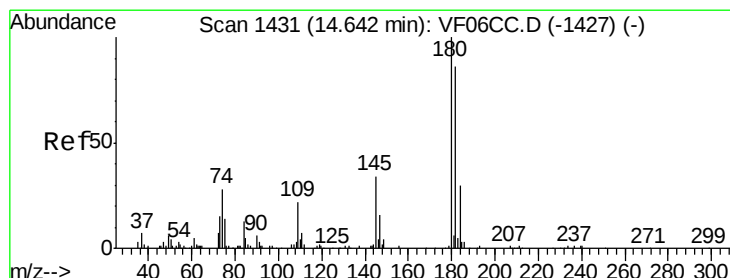
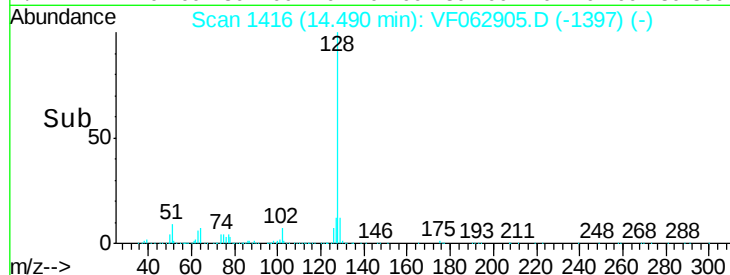
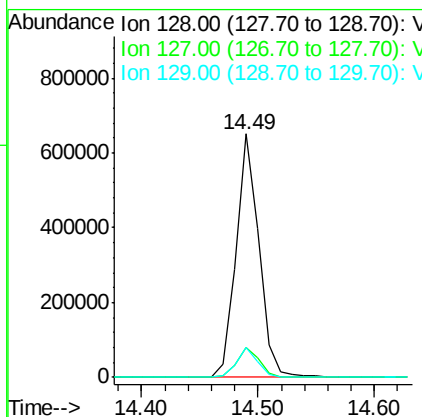
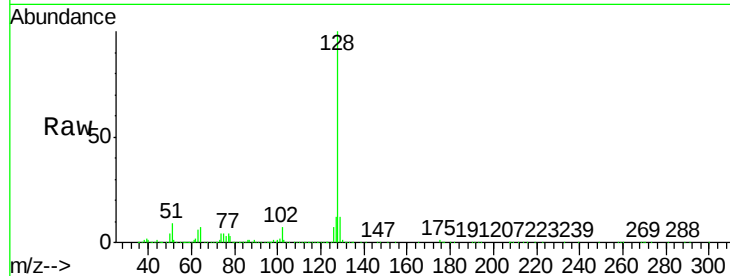
#95
Naphthalene
Concen: 57.848 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	883861		
127	12.0		9.7	14.5
129	12.2		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:54:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.514 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	489626		
182	97.9		48.6	145.9
145	29.9		15.7	47.0

