

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062907.D
 Acq On : 10 Jun 2019 15:37
 Operator : FY/SY
 Sample : VF0610SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:40 PM

Quant Time: Jun 11 01:47:08 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	839198	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.79	114	1381652	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1008616	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	490524	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	278359	47.97	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.94%	
35) Dibromofluoromethane	4.32	113	509774	48.83	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.66%	
50) Toluene-d8	7.72	98	1215652	46.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	11.49	95	416903	43.90	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	216574	20.245	ug/l	99
3) Chloromethane	1.15	50	169169	19.482	ug/l	94
4) Vinyl Chloride	1.19	62	159025	18.430	ug/l	94
5) Bromomethane	1.40	94	87899	17.862	ug/l	95
6) Chloroethane	1.46	64	56701	17.575	ug/l	92
7) Trichlorofluoromethane	1.55	101	249680	20.439	ug/l	90
8) Diethyl Ether	1.72	74	48494	20.178	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	154594	20.129	ug/l	96
10) Methyl Iodide	2.00	142	301020m	19.548	ug/l	
11) Tert butyl alcohol	2.70	59	42068	119.665	ug/l #	90
12) 1,1-Dichloroethene	1.88	96	134654	19.309	ug/l	95
13) Acrolein	2.10	56	11328	74.931	ug/l	84
14) Allyl chloride	2.20	41	98360	18.180	ug/l	97
15) Acrylonitrile	3.11	53	145984	110.513	ug/l	98
16) Acetone	2.36	43	143719	108.206	ug/l	97
17) Carbon Disulfide	1.92	76	380712	18.678	ug/l	98
18) Methyl Acetate	2.46	43	55531	23.925	ug/l #	84
19) Methyl tert-butyl Ether	2.55	73	266177	21.067	ug/l	94
20) Methylene Chloride	2.36	84	152003m	21.129	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	141837	20.285	ug/l	91
22) Diisopropyl ether	2.95	45	292417	19.024	ug/l	92
23) Vinyl Acetate	3.35	43	1163780	110.593	ug/l	99
24) 1,1-Dichloroethane	3.02	63	237470	20.692	ug/l	99
25) 2-Butanone	4.53	43	319604	103.329	ug/l	99
26) 2,2-Dichloropropane	3.79	77	149082	22.878	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	248554	21.147	ug/l	99
28) Bromochloromethane	3.90	49	122567	19.634	ug/l	95
29) Tetrahydrofuran	4.28	42	130059	109.938	ug/l	99
30) Chloroform	4.06	83	339463	20.987	ug/l	97
31) Cyclohexane	3.89	56	292931	18.853	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	212806	22.597	ug/l	94
36) 1,1-Dichloropropene	4.49	75	276766	21.759	ug/l	96
37) Ethyl Acetate	4.32	43	124039	25.511	ug/l #	78
38) Carbon Tetrachloride	4.19	117	185127m	21.536	ug/l	

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Manual Integrations
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Quant Time: Jun 11 01:47:08 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)
39) Methylcyclohexane	5.64	83	346407	21.882	ug/l	95
40) Benzene	4.83	78	831018	22.449	ug/l	99
41) Methacrylonitrile	4.94	41	57887	21.416	ug/l	94
42) 1,2-Dichloroethane	5.14	62	157206	22.329	ug/l	89
43) Isopropyl Acetate	7.12	43	131578	20.486	ug/l #	93
44) Trichloroethene	5.69	130	219935	21.052	ug/l	97
45) 1,2-Dichloropropane	6.42	63	195307	21.024	ug/l	95
46) Dibromomethane	6.27	93	121126	22.333	ug/l	97
47) Bromodichloromethane	6.56	83	242803	21.982	ug/l	96
48) Methyl methacrylate	6.89	41	66461	20.078	ug/l	92
49) 1,4-Dioxane	6.88	88	21330	488.864	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	529388	115.445	ug/l	98
52) Toluene	7.79	92	409535	20.540	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	196544	21.473	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	282227	21.302	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	130039	21.831	ug/l	95
56) Ethyl methacrylate	8.76	69	129804	20.310	ug/l	94
57) 1,3-Dichloropropane	9.00	76	216244	22.231	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.45	63	241767	108.238	ug/l	99
59) 2-Hexanone	9.62	43	364789	111.608	ug/l	98
60) Dibromochloromethane	8.86	129	158364	21.474	ug/l	95
61) 1,2-Dibromoethane	9.14	107	136546	22.073	ug/l	95
64) Tetrachloroethene	8.31	164	160781	20.744	ug/l	92
65) Chlorobenzene	9.94	112	410899	21.096	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	171962	22.168	ug/l	99
67) Ethyl Benzene	10.03	91	719740	21.533	ug/l	96
68) m/p-Xylenes	10.26	106	532595	41.640	ug/l	88
69) o-Xylene	10.82	106	273339	21.107	ug/l	97
70) Styrene	10.89	104	411809	21.575	ug/l	99
71) Bromoform	10.88	173	84703	22.762	ug/l #	98
73) Isopropylbenzene	11.22	105	711895	20.799	ug/l	96
74) N-amyl acetate	11.44	43	217025	22.498	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	164233	22.469	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	103926	21.450	ug/l	92
77) Bromobenzene	11.58	156	172087	20.011	ug/l	89
78) n-propylbenzene	11.67	91	867619	20.994	ug/l	93
79) 2-Chlorotoluene	11.80	91	489174	20.687	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	592999	21.186	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	44565m	21.726	ug/l	
82) 4-Chlorotoluene	11.97	91	473770	20.387	ug/l	91
83) tert-Butylbenzene	12.19	119	615581	22.195	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	554085	20.879	ug/l	94
85) sec-Butylbenzene	12.37	105	812249	22.225	ug/l	97
86) p-Isopropyltoluene	12.52	119	652870	21.462	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	319645	21.076	ug/l	92
88) 1,4-Dichlorobenzene	12.63	146	298163	21.065	ug/l	94
89) n-Butylbenzene	12.89	91	686564	22.437	ug/l	87
90) Hexachloroethane	12.97	117	168920	22.768	ug/l	85
91) 1,2-Dichlorobenzene	12.99	146	282988	21.228	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	20549	25.805	ug/l	94

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Manual Integrations
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Quant Time: Jun 11 01:47:08 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.23	180	196786	21.500	ug/l	97
94) Hexachlorobutadiene	14.22	225	134556	21.250	ug/l	100
95) Naphthalene	14.49	128	326030	21.742	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	178106	21.317	ug/l	98

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

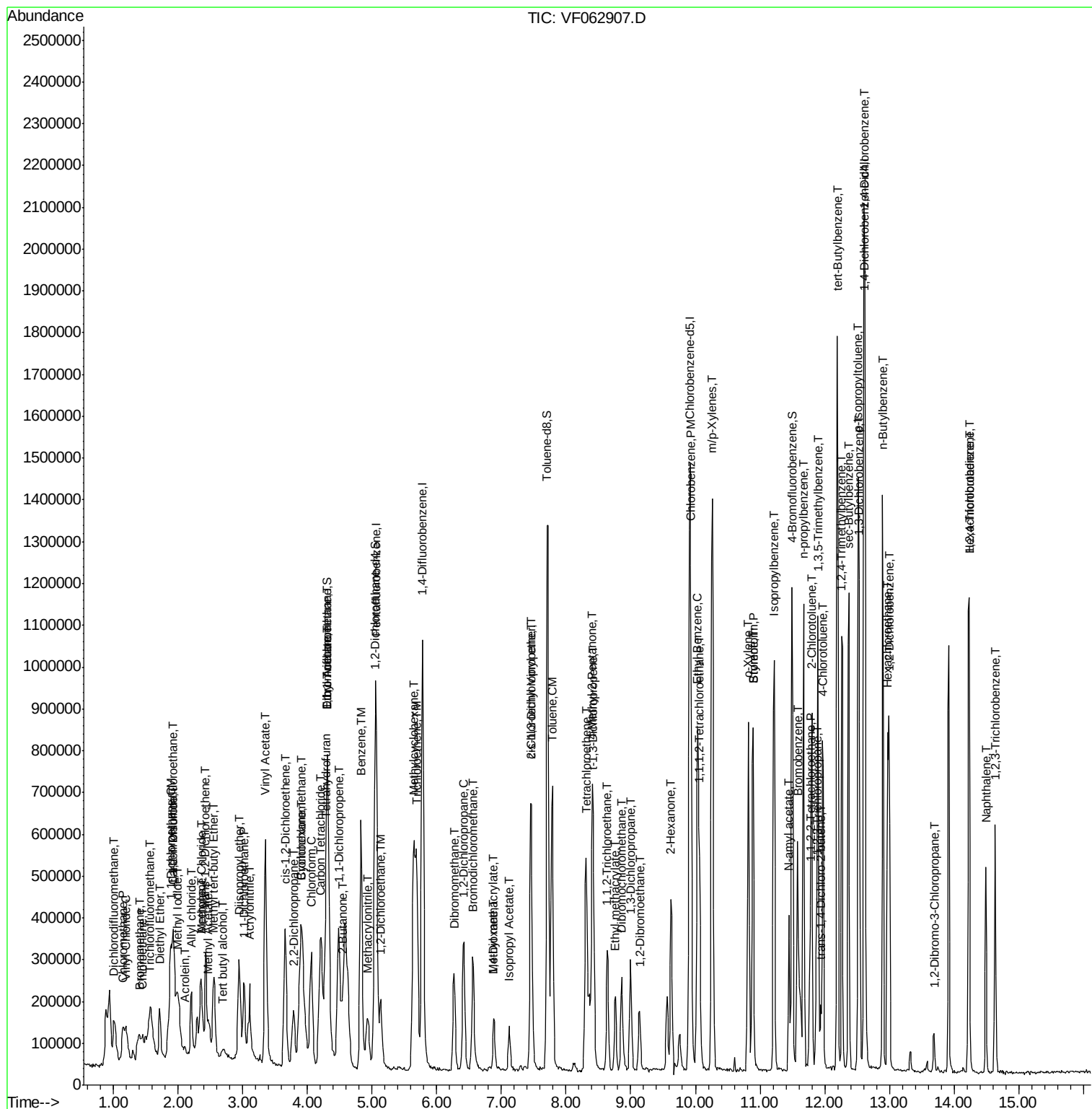
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 Data File : VF062907.D
 Acq On : 10 Jun 2019 15:37
 Operator : FY/SY
 Sample : VF0610SBS01
 Misc : 5.00q/5mL/MSVOA F/SOIL
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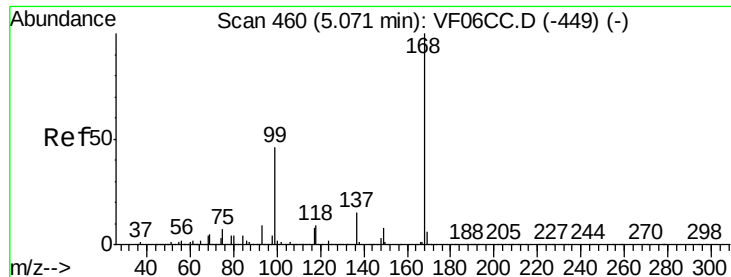
Instrument :
 MSVOA_F
 Client Sample Id :
 VF0610SBS01

Manual Integrations
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:168 Resp: 839198

Ion Ratio Lower Upper

168 100

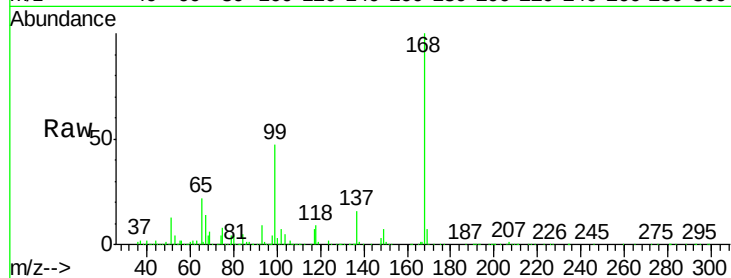
99 47.1 39.1 58.7

Manual Integrations

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6/11/2019 2:54:40 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

150000

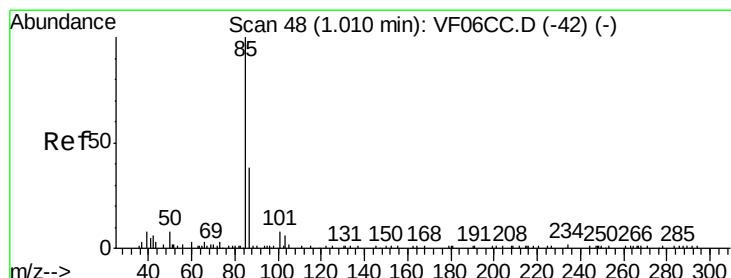
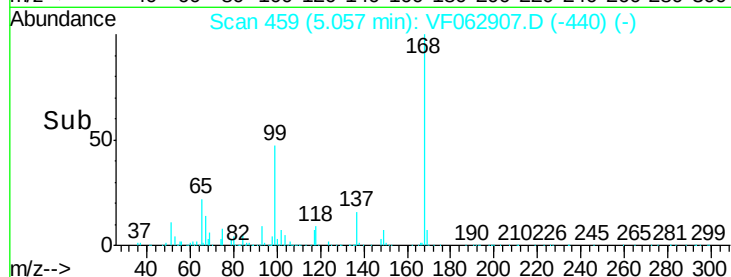
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.245 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062907.D

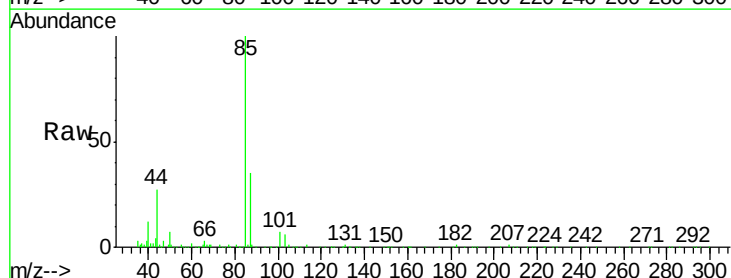
Acq: 10 Jun 2019 15:37

Tgt Ion: 85 Resp: 216574

Ion Ratio Lower Upper

85 100

87 34.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

60000

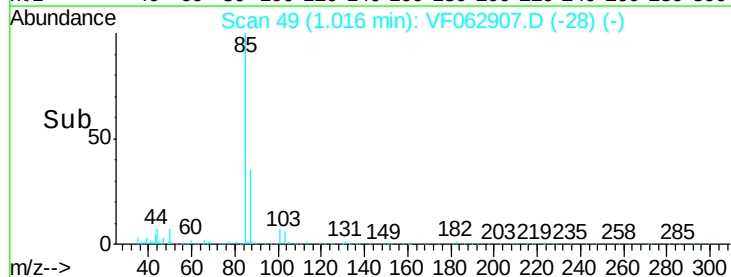
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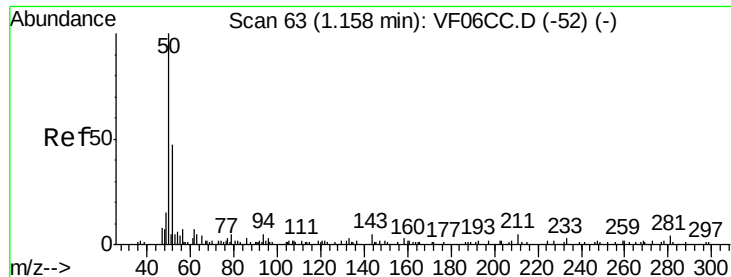
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 19.482 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 50 Resp: 169169

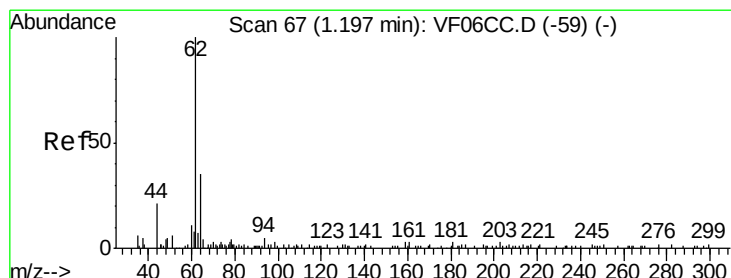
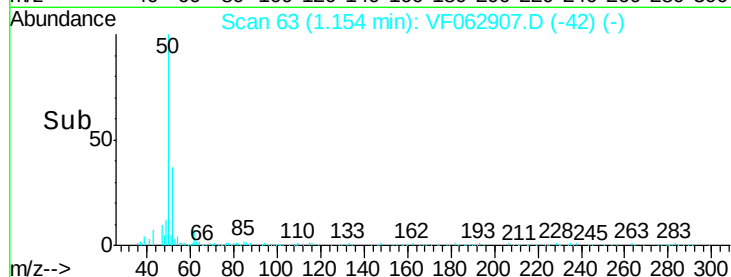
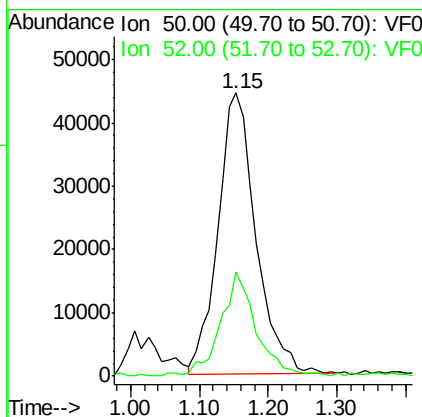
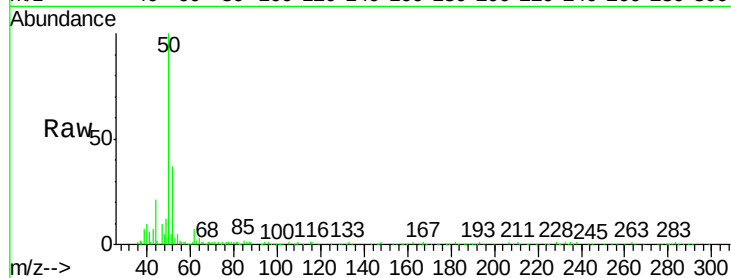
Ion Ratio Lower Upper

50 100

52 36.9 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.430 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062907.D

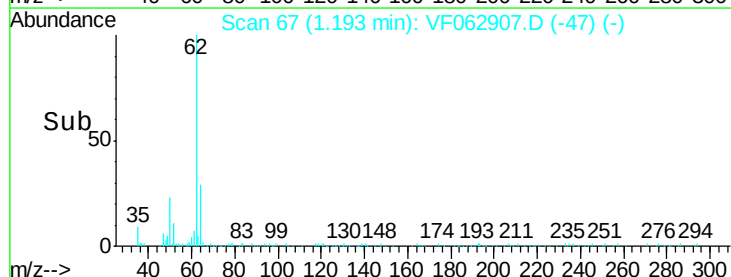
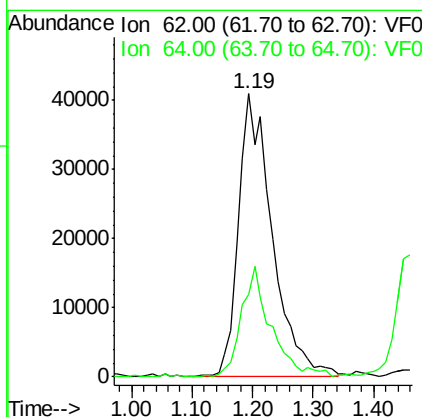
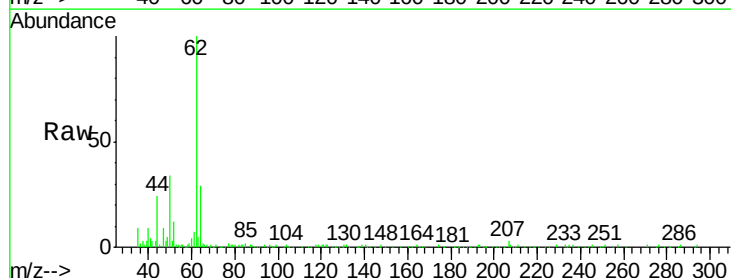
Acq: 10 Jun 2019 15:37

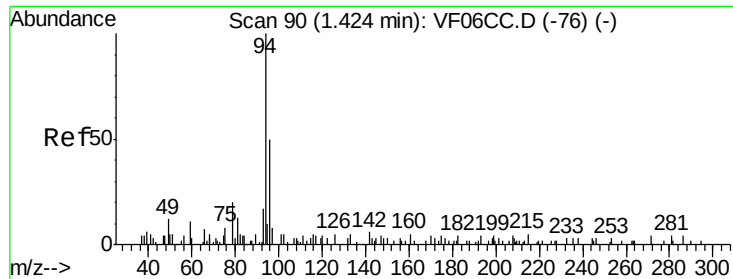
Tgt Ion: 62 Resp: 159025

Ion Ratio Lower Upper

62 100

64 29.0 26.2 39.2





#5

Bromomethane

Concen: 17.862 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 94 Resp: 87899

Ion Ratio Lower Upper

94 100

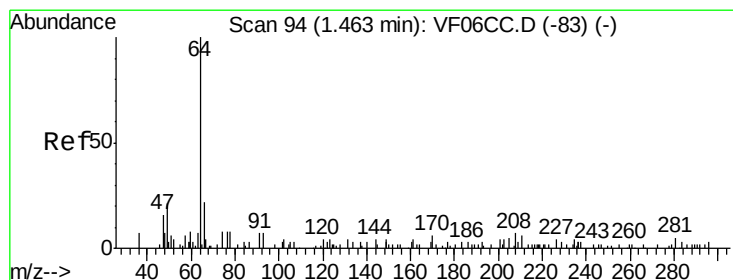
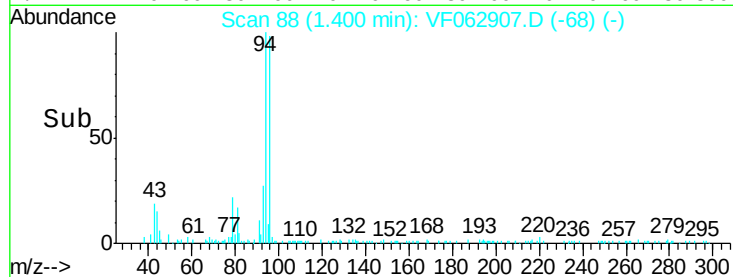
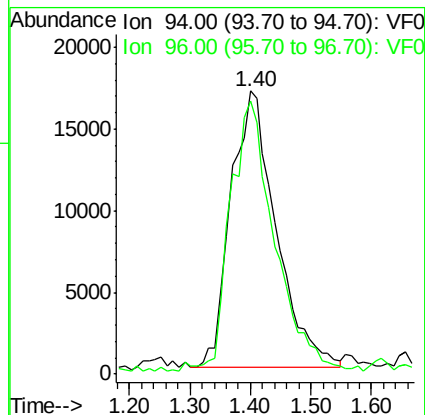
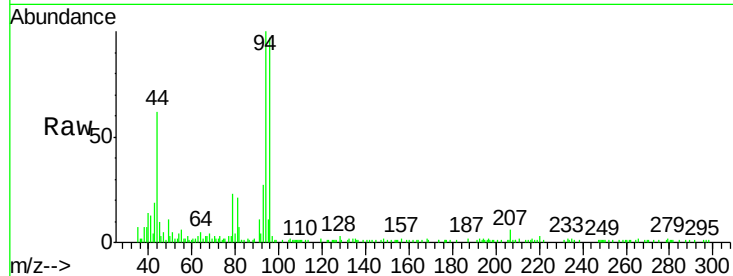
96 96.6 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 17.575 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.01 min

Lab File: VF062907.D

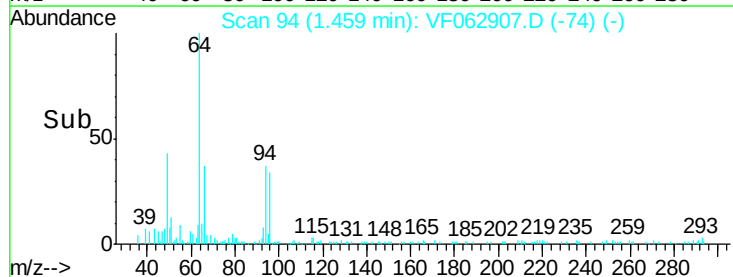
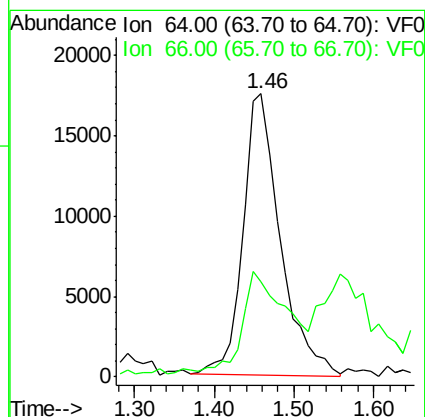
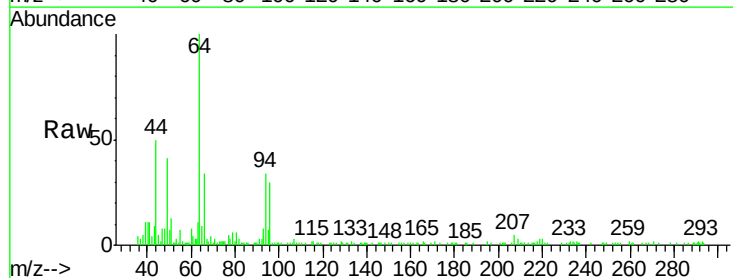
Acq: 10 Jun 2019 15:37

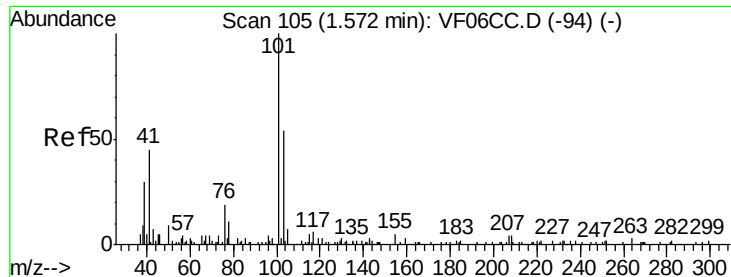
Tgt Ion: 64 Resp: 56701

Ion Ratio Lower Upper

64 100

66 33.6 31.0 46.4





#7

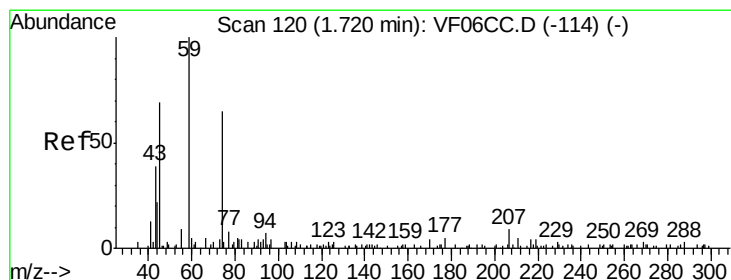
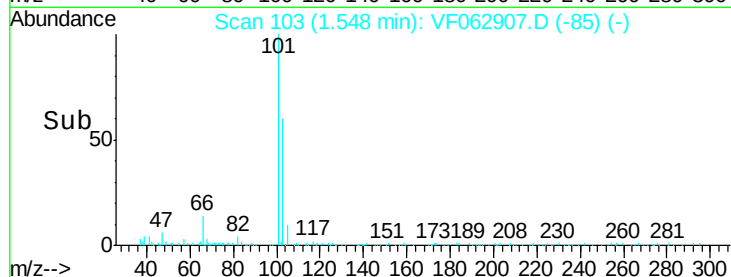
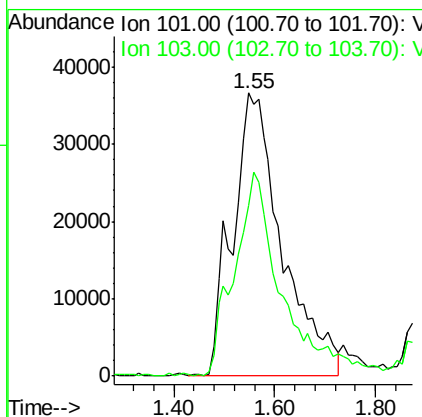
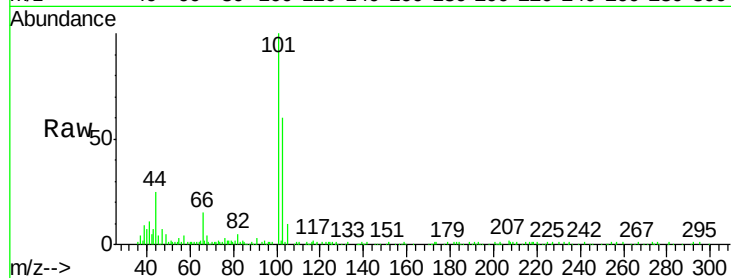
Trichlorofluoromethane
Concen: 20.439 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.03 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	54.6	82.0

Manual Integrations
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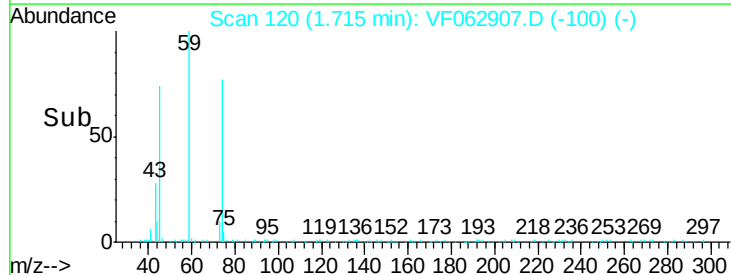
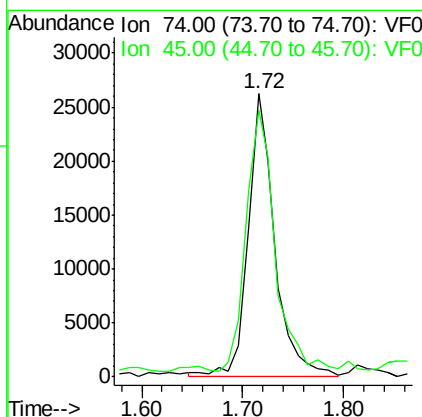
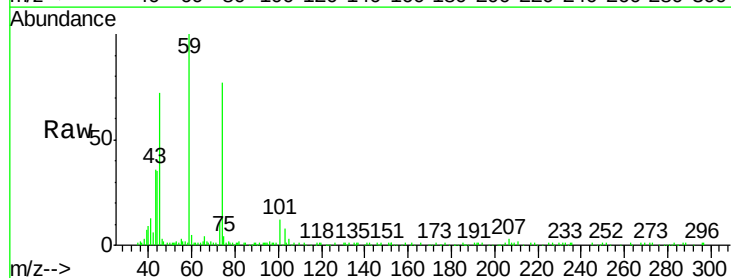
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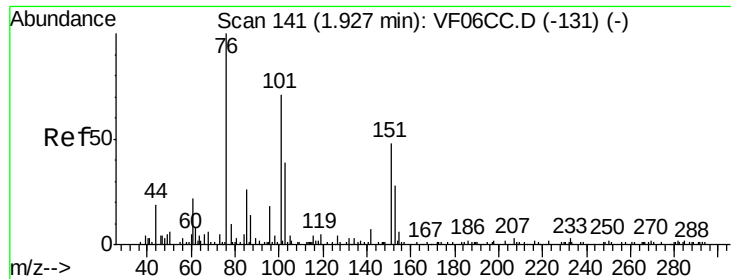


#8

Diethyl Ether
Concen: 20.178 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.129 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

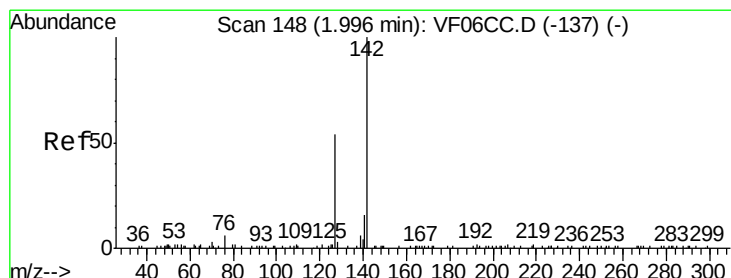
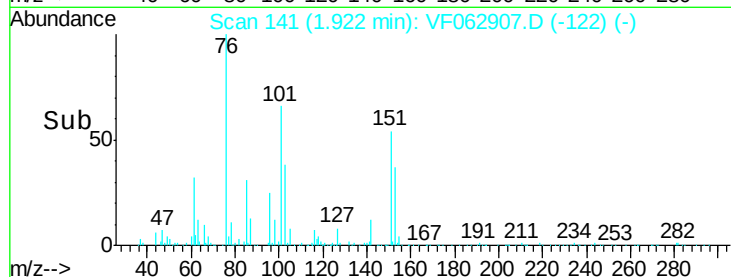
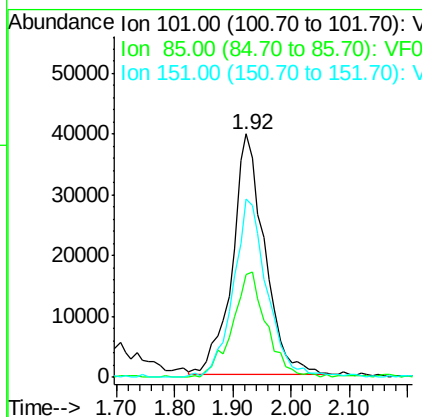
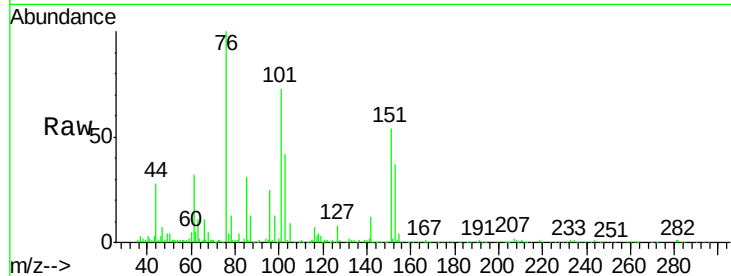
ClientSampleId :

VF0610SBS01

Tot Ion:	101	Resp:	154594
Ion Ratio	Lower	Upper	
101	100		
85	42.1	37.1	55.7
151	73.2	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.548 ug/l m

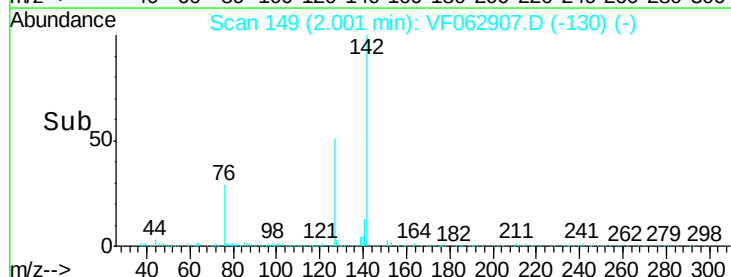
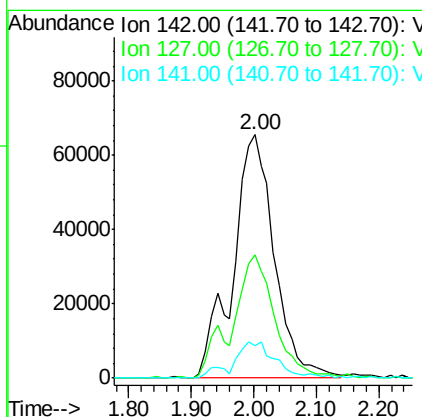
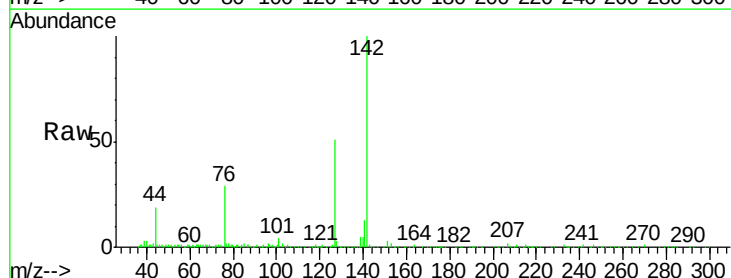
RT: 2.00 min Scan# 149

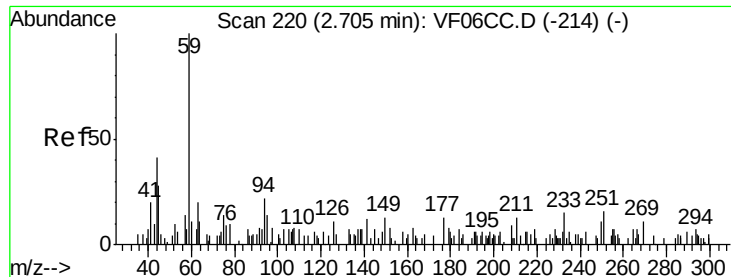
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	142	Resp:	301020
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.4	59.2
141	13.3	10.6	15.8





#11

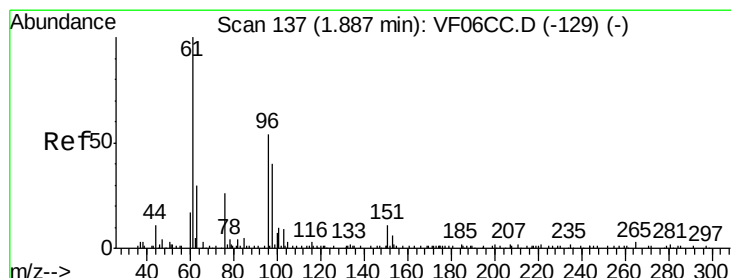
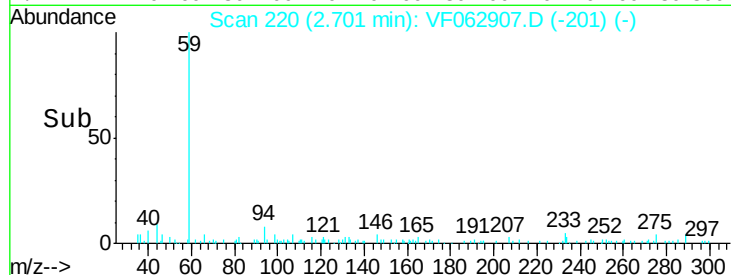
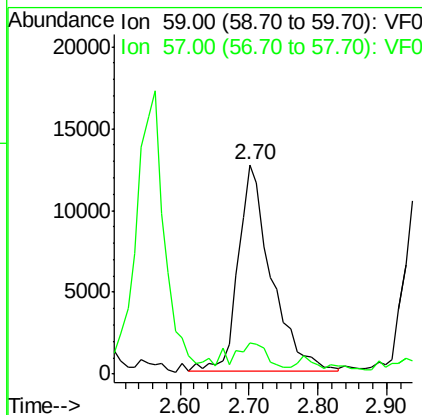
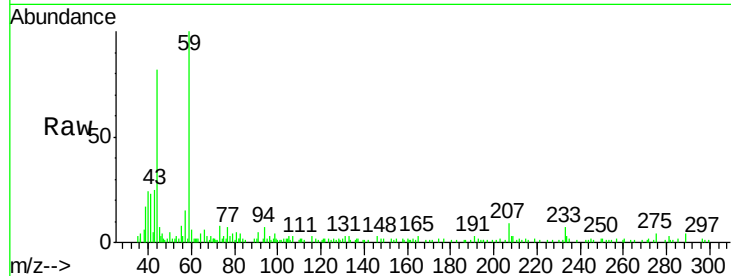
Tert butyl alcohol
Concen: 119.665 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.2	9.2	13.8#

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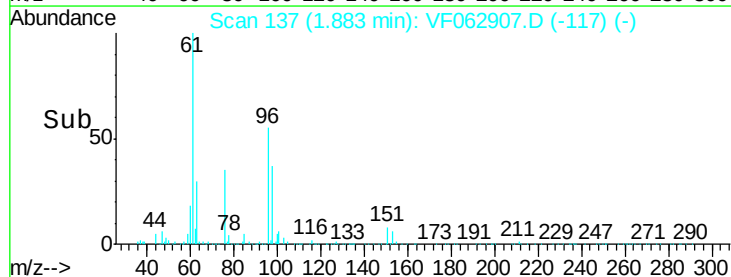
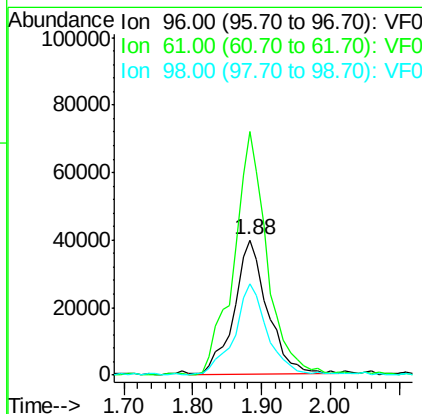
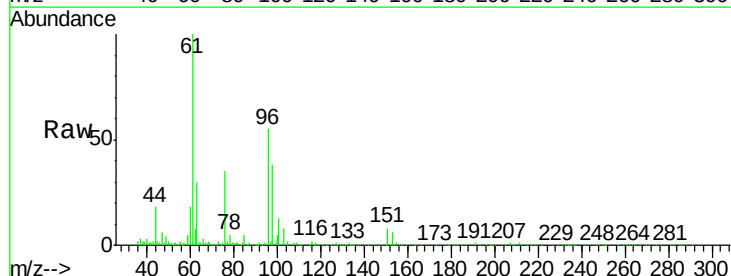
MMDadoda
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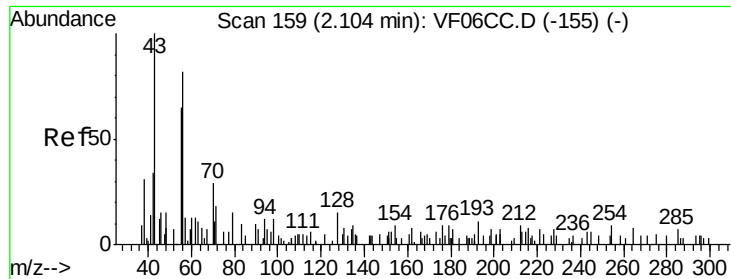


#12

1,1-Dichloroethene
Concen: 19.309 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.2	139.4	209.2
98	67.8	50.3	75.5





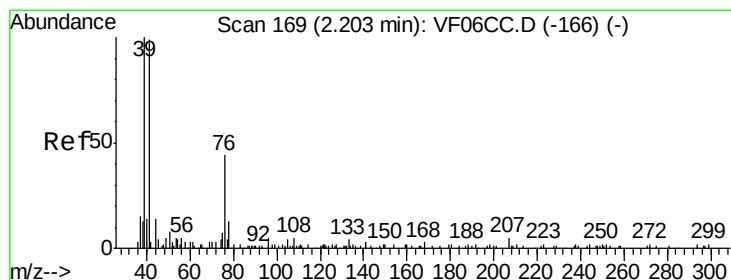
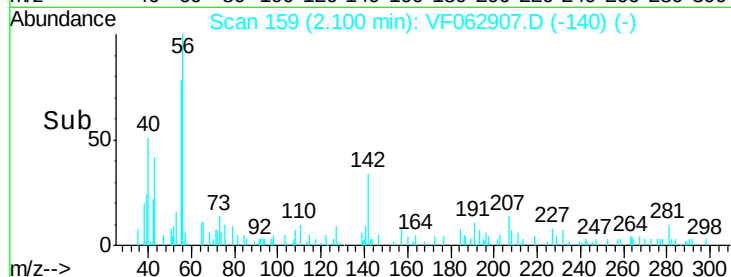
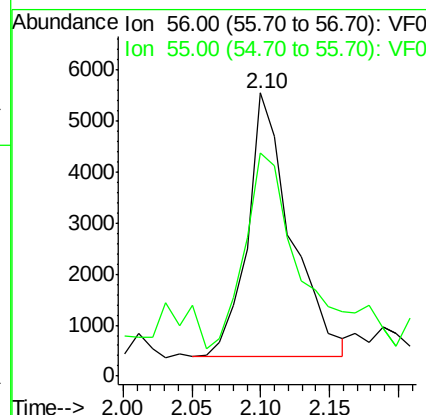
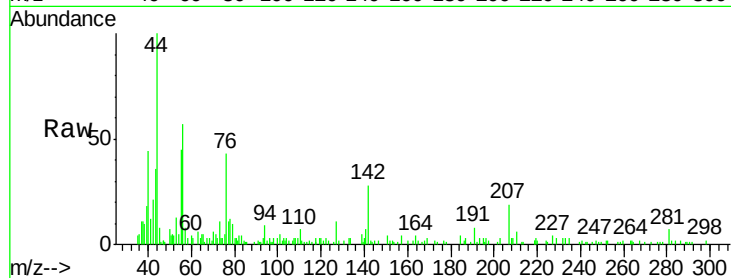
#13
Acrolein
Concen: 74.931 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	56	Resp	11328
Ion Ratio	Lower	Upper	
56	100		
55	79.1	52.9	79.3

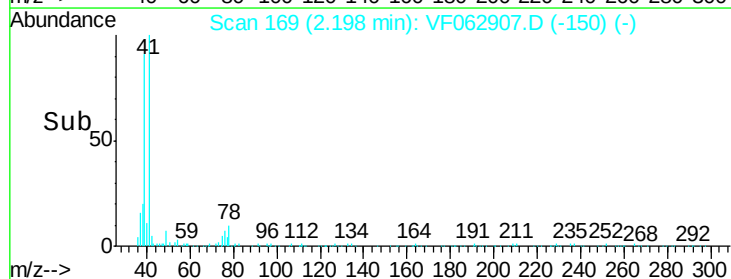
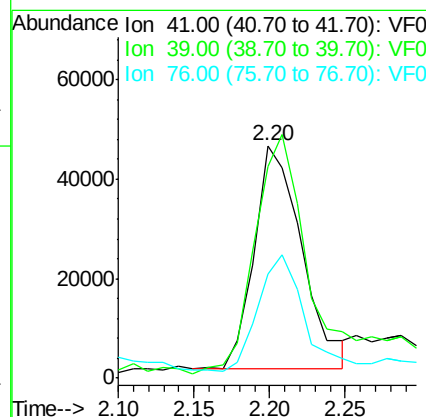
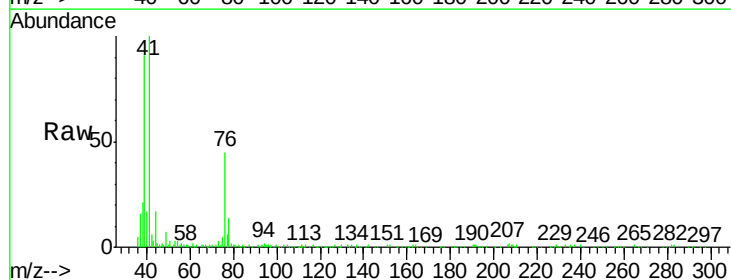
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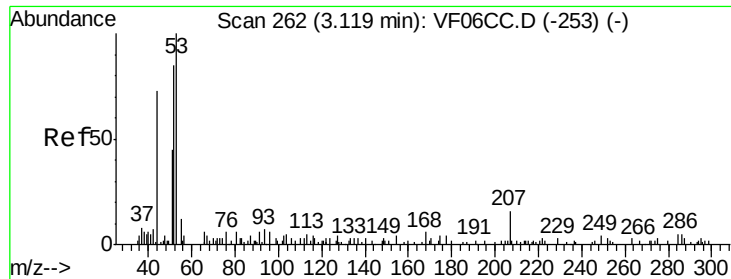
MMDadoda
6/11/2019 2:54:40 PM



#14
Allyl chloride
Concen: 18.180 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	41	Resp	98360
Ion Ratio	Lower	Upper	
41	100		
39	90.9	71.9	107.9
76	44.6	39.6	59.4





#15

Acrylonitrile

Concen: 110.513 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

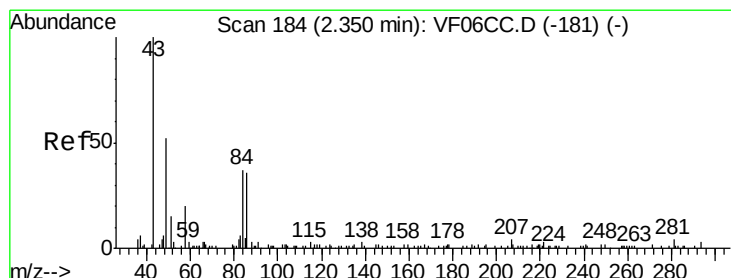
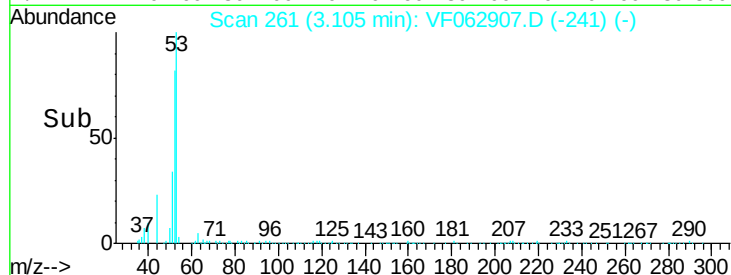
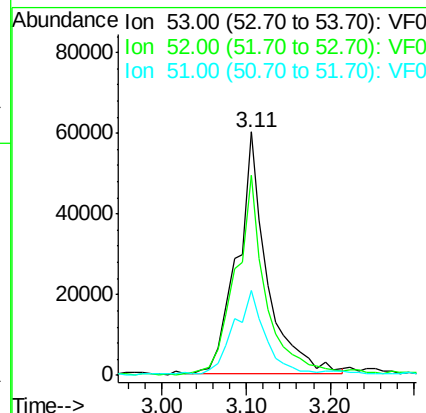
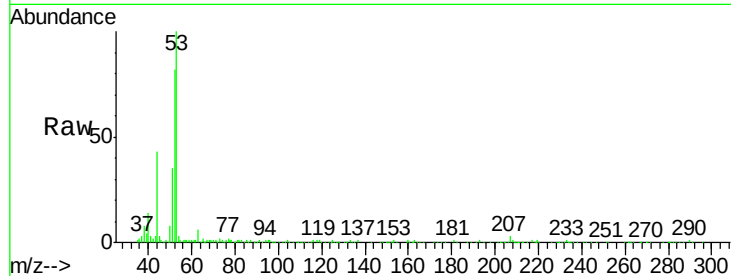
ClientSampleId :

VF0610SBS01

Tot Ion:	53	Resp:	145984
Ion Ratio	Lower	Upper	
53	100		
52	82.2	68.1	102.1
51	34.9	27.7	41.5

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#16

Acetone

Concen: 108.206 ug/l

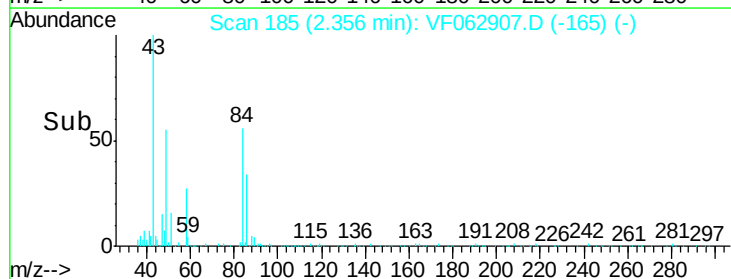
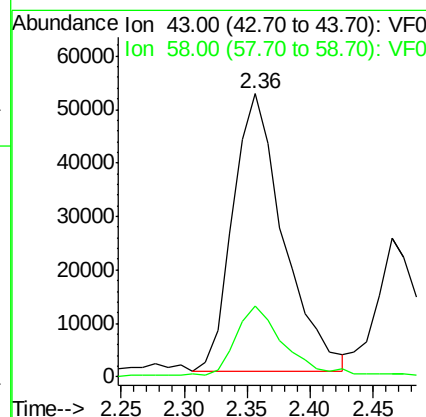
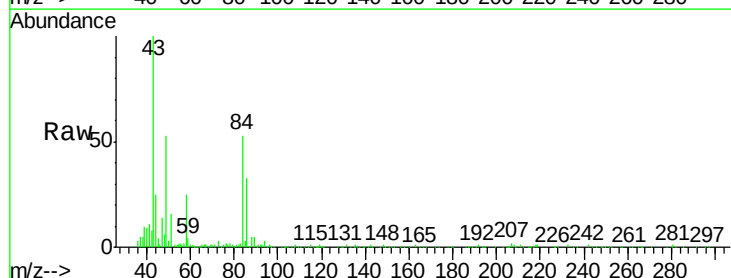
RT: 2.36 min Scan# 185

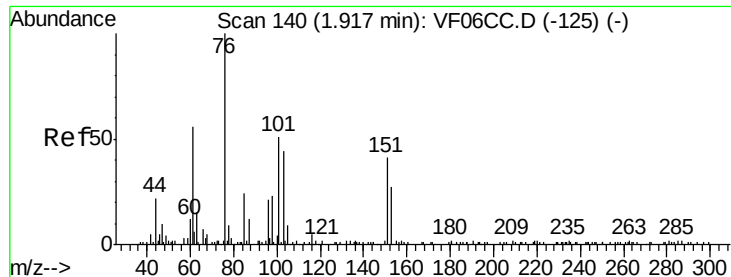
Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	43	Resp:	143719
Ion Ratio	Lower	Upper	
43	100		
58	25.2	19.0	28.4





#17

Carbon Disulfide

Concen: 18.678 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 76 Resp: 380712

Ion Ratio Lower Upper

76 100

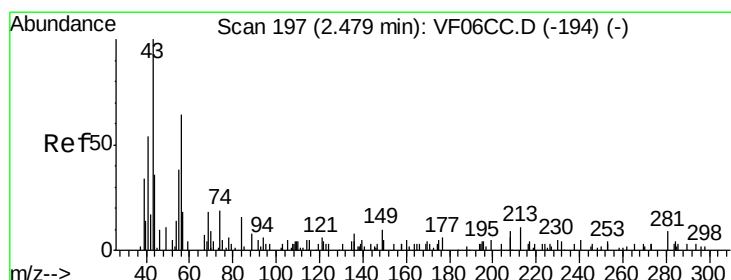
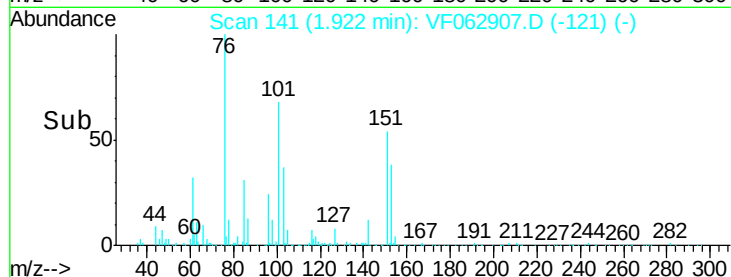
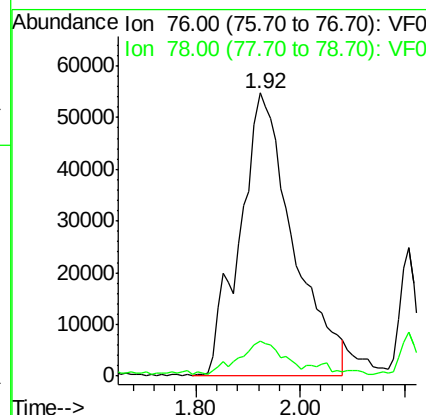
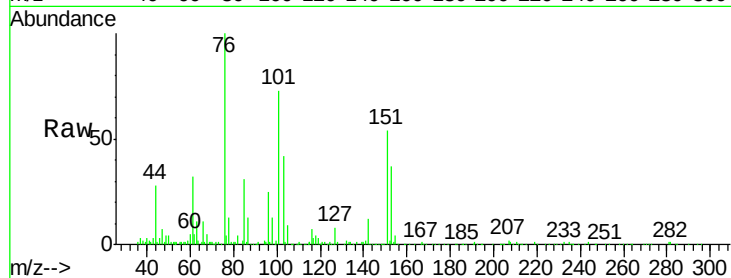
78 12.6 9.4 14.2

Manual Integrations

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#18

Methyl Acetate

Concen: 23.925 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062907.D

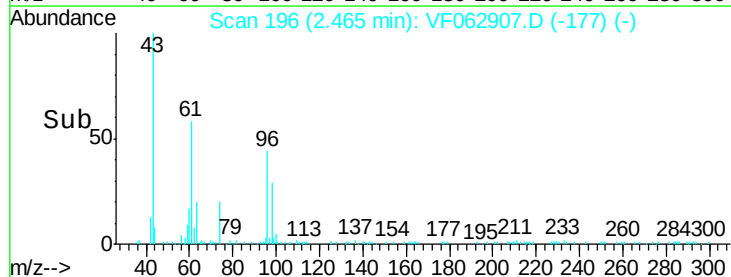
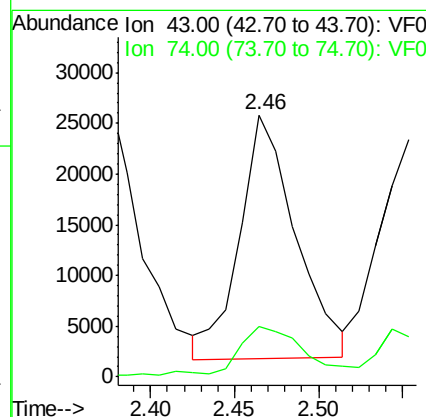
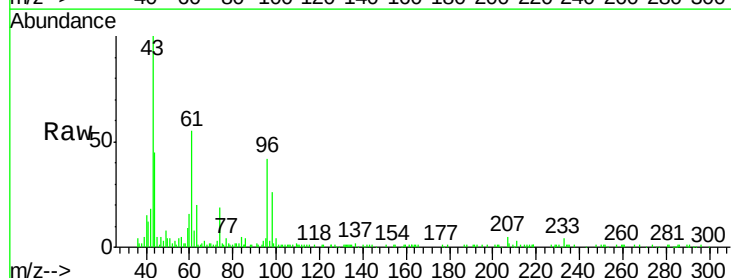
Acq: 10 Jun 2019 15:37

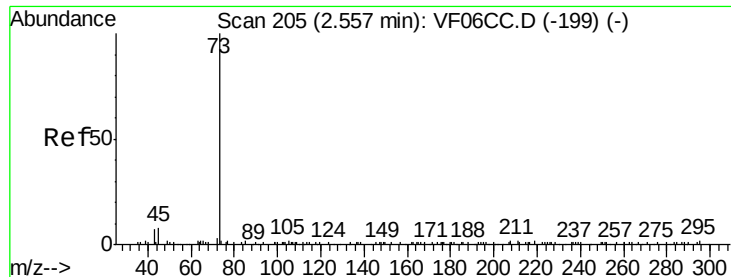
Tgt Ion: 43 Resp: 55531

Ion Ratio Lower Upper

43 100

74 19.5 22.1 33.1#





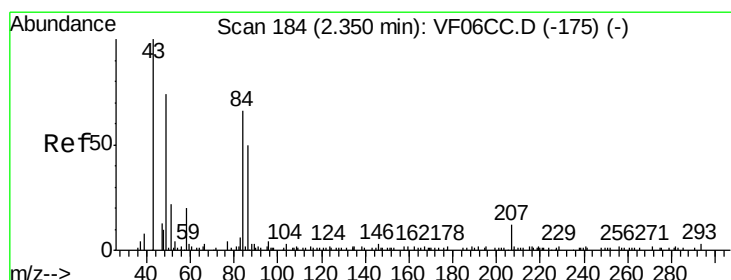
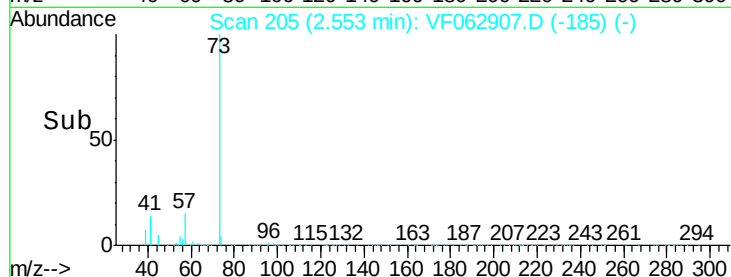
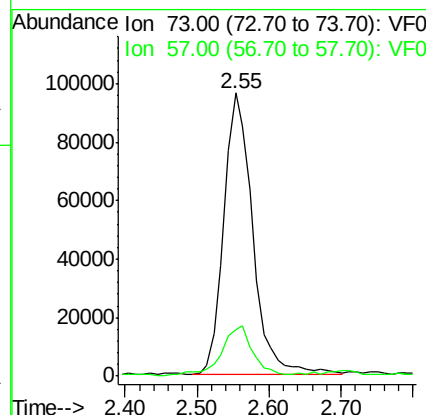
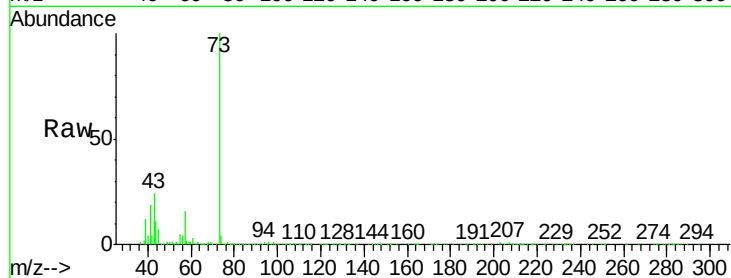
#19
Methyl tert-butyl Ether
Concen: 21.067 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.3	15.1	22.7

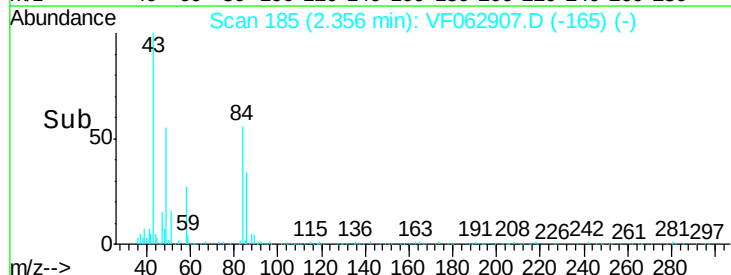
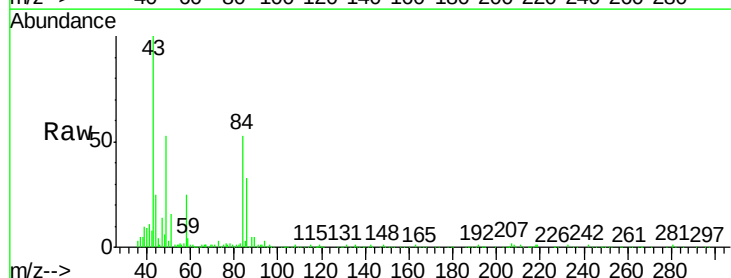
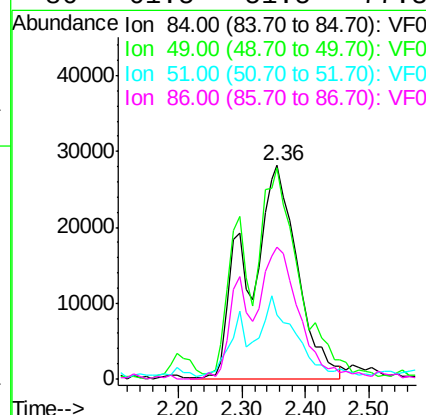
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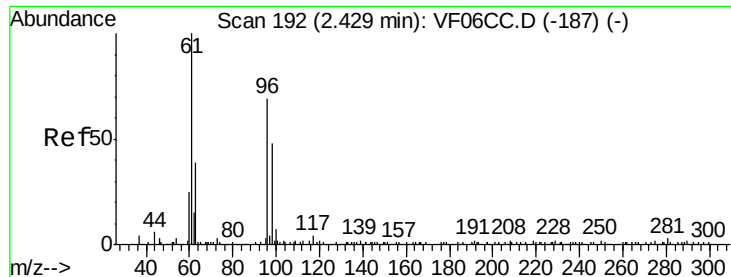
MMDadoda
6/11/2019 2:54:40 PM



#20
Methylene Chloride
Concen: 21.129 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	99.2	82.6	123.8
51	30.1	25.0	37.4
86	61.5	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 20.285 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

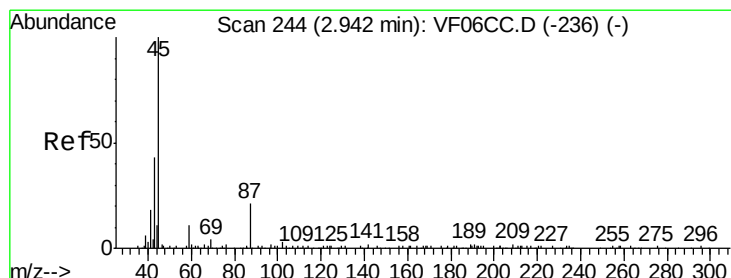
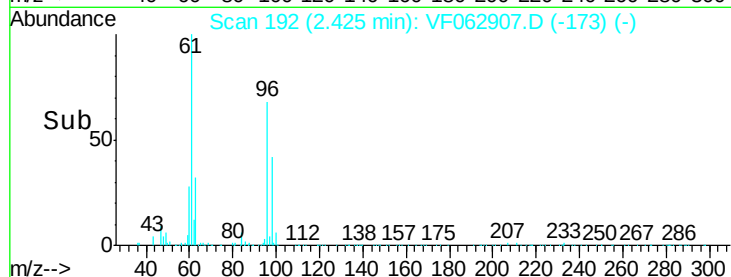
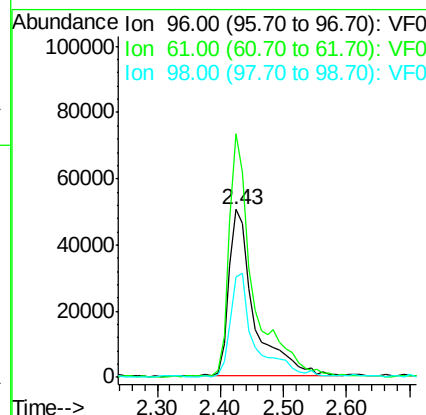
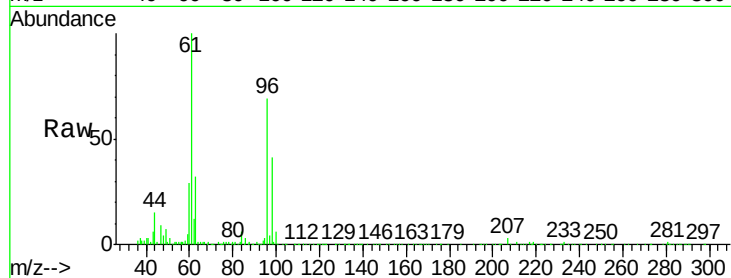
ClientSampleId :

VF0610SBS01

Tot Ion:	96	Resp:	141837
Ion	Ratio	Lower	Upper
96	100		
61	145.0	105.0	157.6
98	60.0	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.024 ug/l

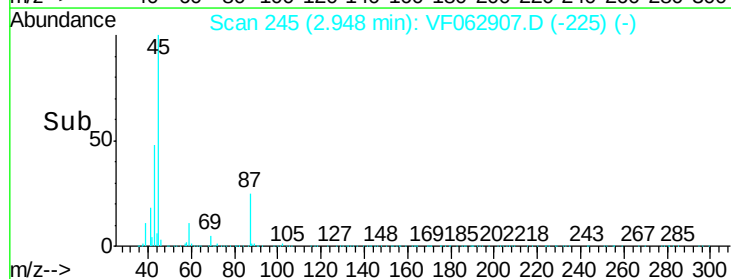
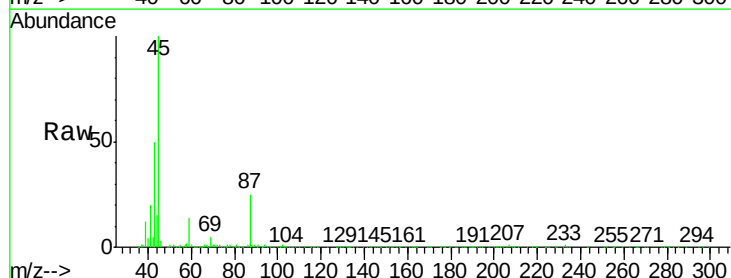
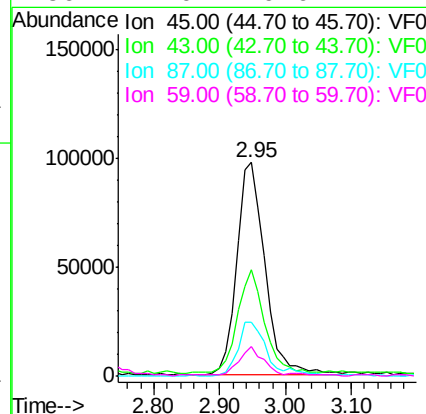
RT: 2.95 min Scan# 245

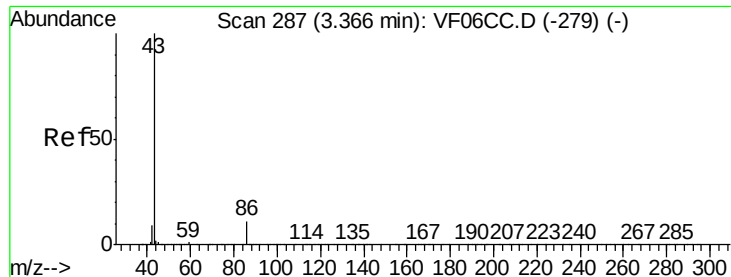
Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	45	Resp:	292417
Ion	Ratio	Lower	Upper
45	100		
43	50.0	34.3	51.5
87	25.2	19.0	28.4
59	14.0	9.6	14.4





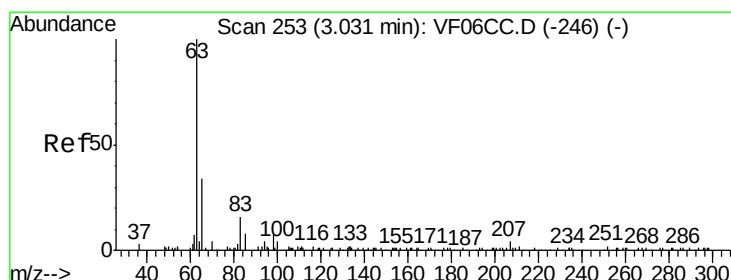
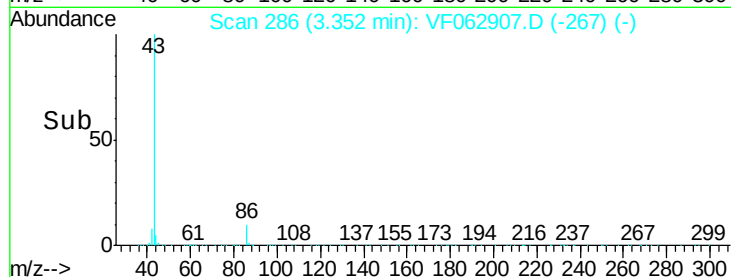
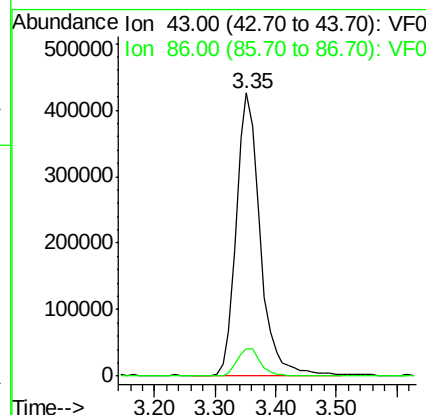
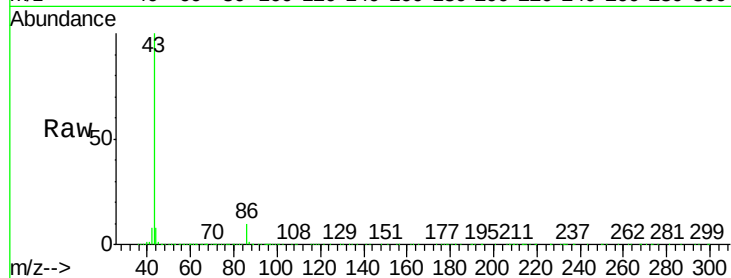
#23
 Vinyl Acetate
 Concen: 110.593 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion: 43 Resp: 1163780
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.2 12.2

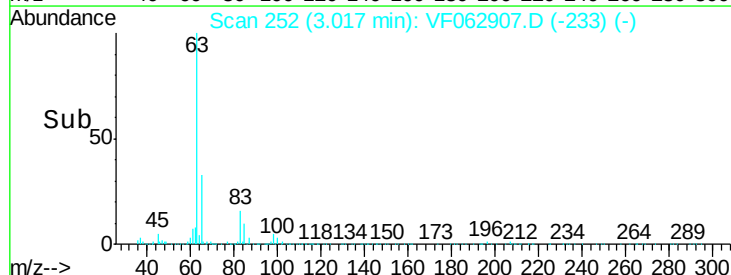
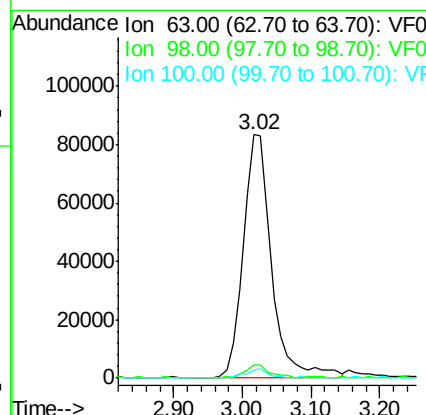
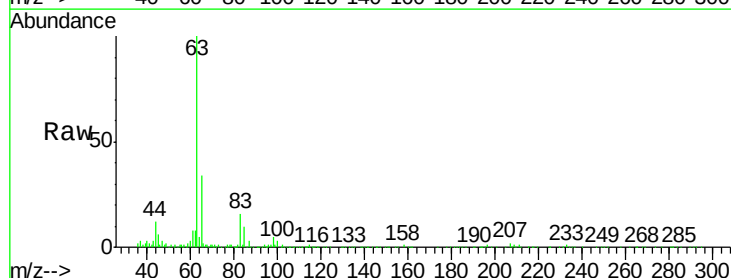
Manual Integrations
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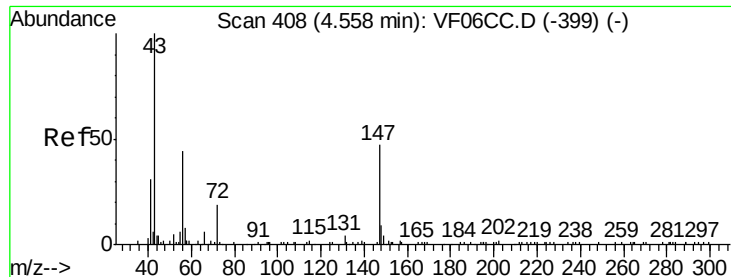
MMDadoda
 6/11/2019 2:54:40 PM



#24
 1,1-Dichloroethane
 Concen: 20.692 ug/l
 RT: 3.02 min Scan# 252
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion: 63 Resp: 237470
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.4 7.1
 100 3.4 1.5 4.5





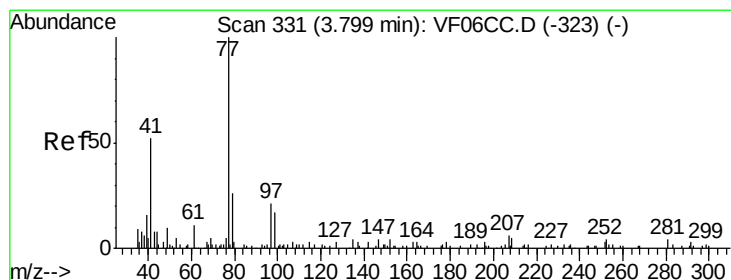
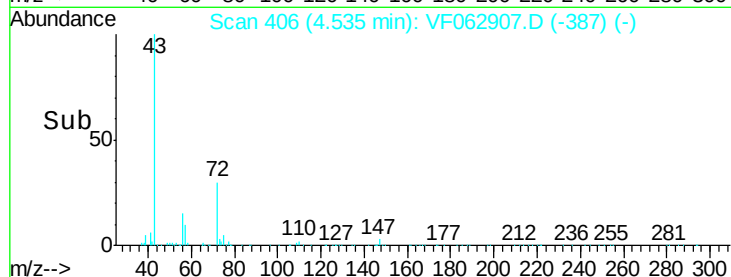
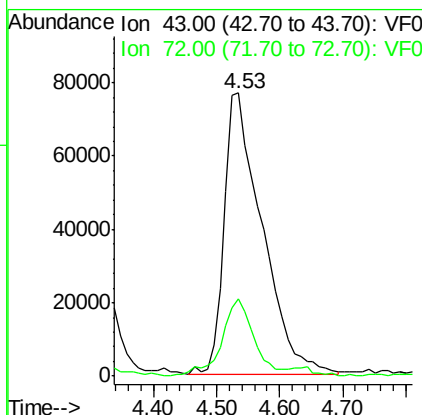
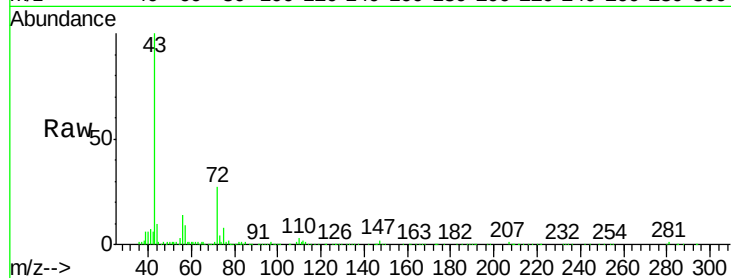
#25
2-Butanone
Concen: 103.329 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion: 43 Resp: 319604
Ion Ratio Lower Upper
43 100
72 27.2 21.4 32.0

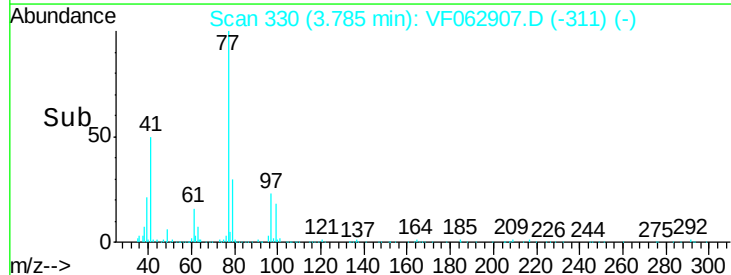
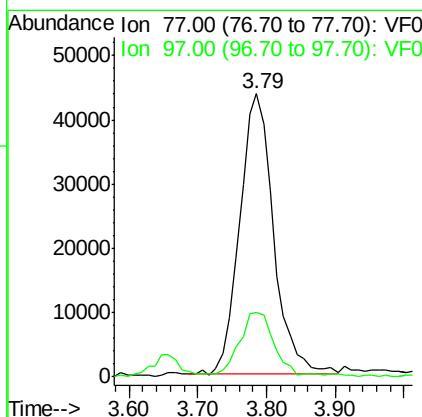
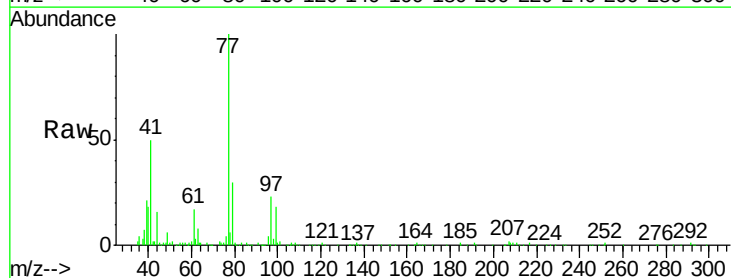
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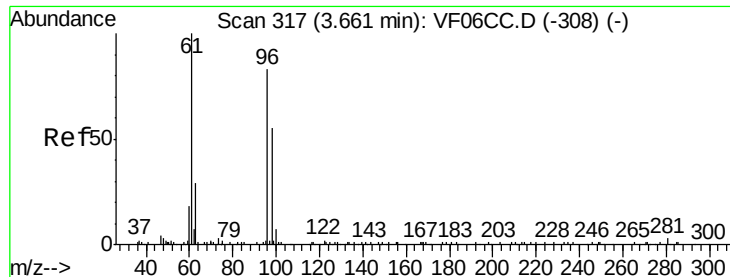
MMDadoda
6/11/2019 2:54:40 PM



#26
2,2-Dichloropropane
Concen: 22.878 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 77 Resp: 149082
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.4





#27

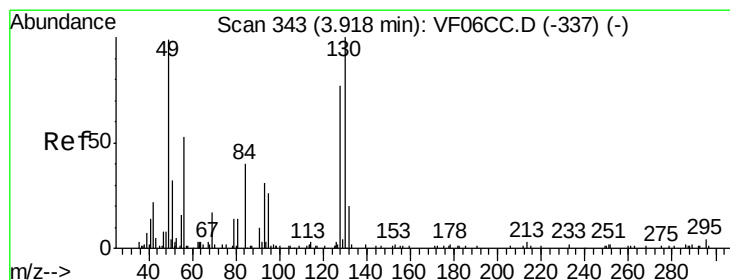
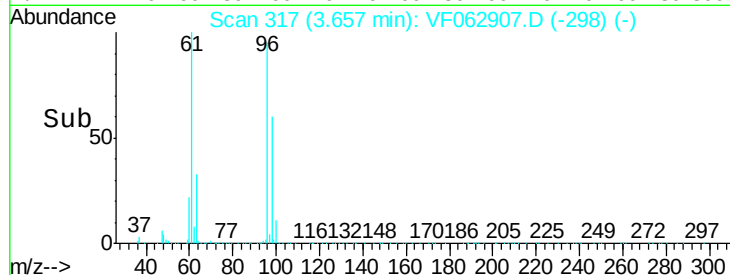
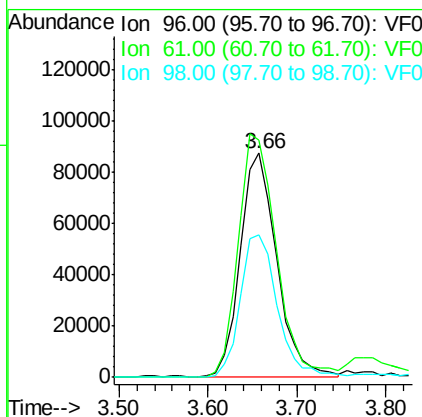
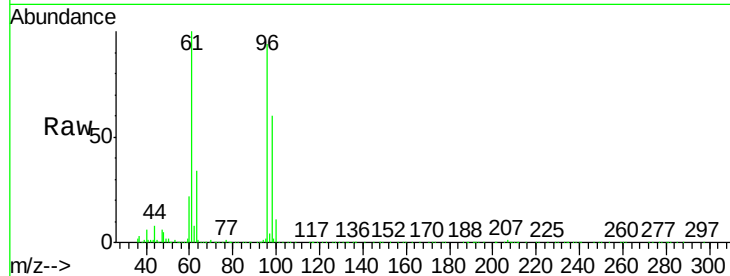
cis-1,2-Dichloroethene
Concen: 21.147 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248554		
61	106.0	0.0	213.8	
98	63.9	0.0	127.0	

Manual Integrations
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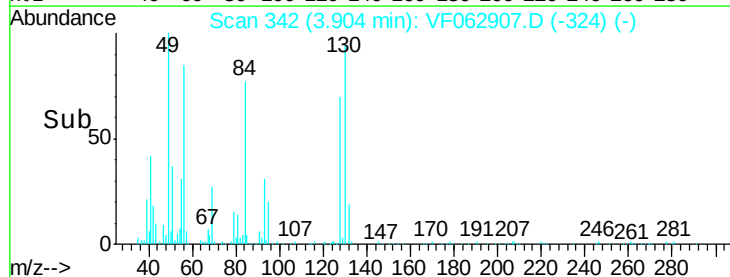
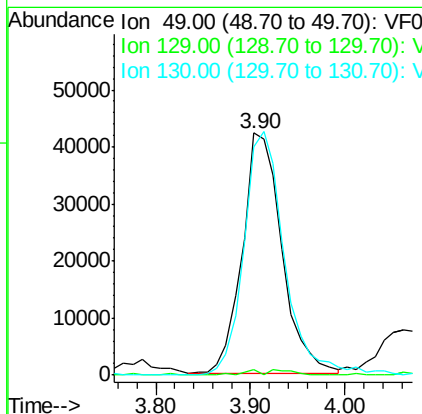
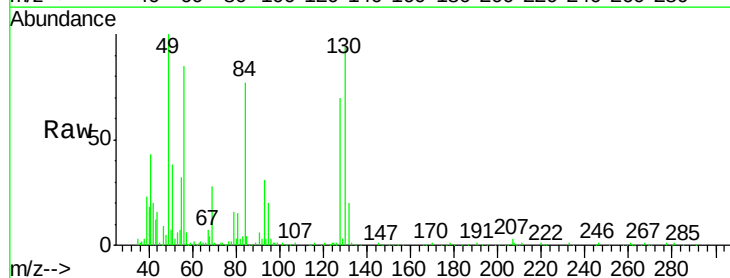
MMDadoda
6/11/2019 2:54:40 PM

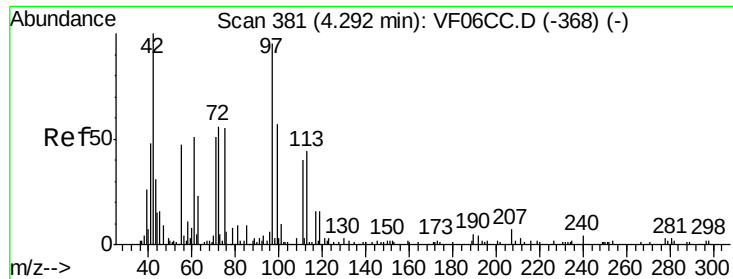


#28

Bromochloromethane
Concen: 19.634 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122567		
129	2.5	0.0	5.4	
130	94.3	79.2	118.8	





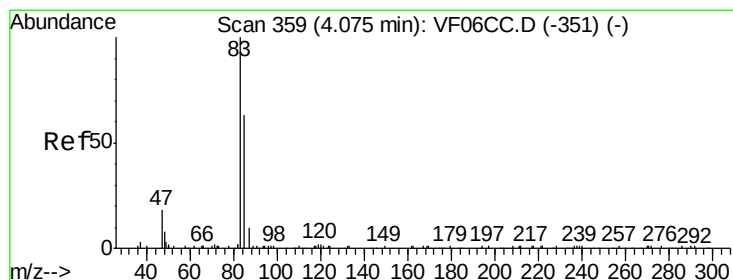
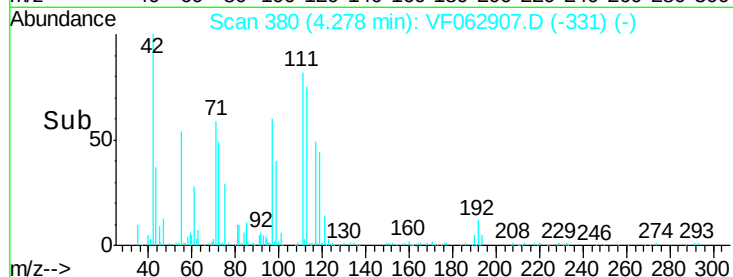
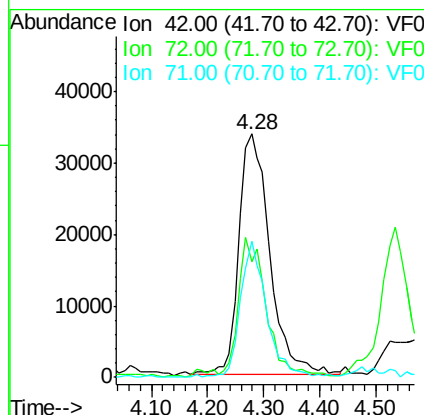
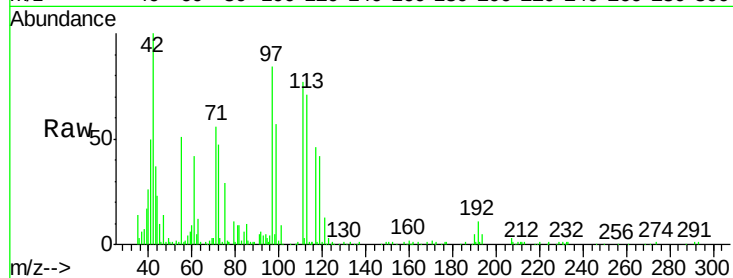
#29
Tetrahydrofuran
Concen: 109.938 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	130059		
72	49.6		39.0	58.6
71	45.4		36.9	55.3

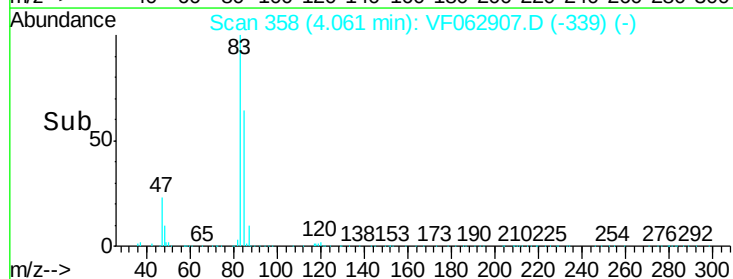
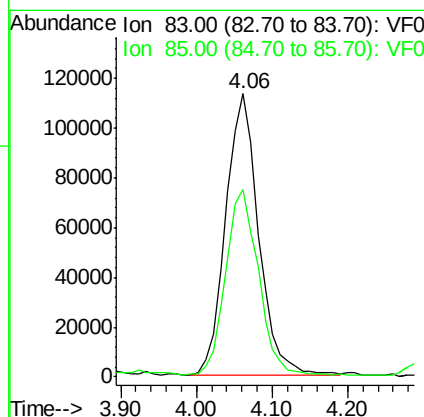
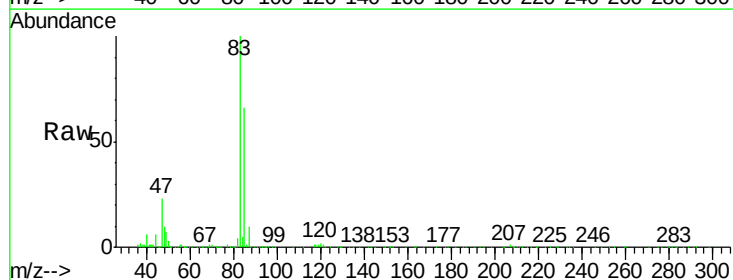
Manual Integrations
APPROVED

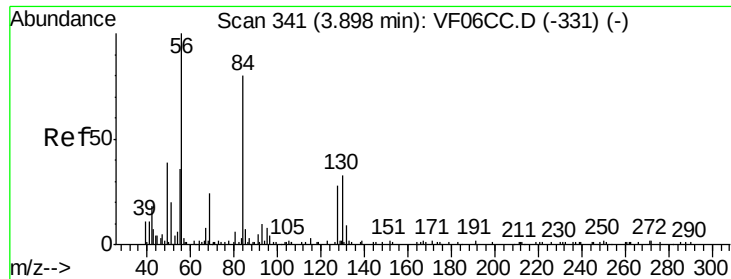
MMDadoda
6/11/2019 2:54:40 PM



#30
Chloroform
Concen: 20.987 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	339463		
85	66.4		55.0	82.6





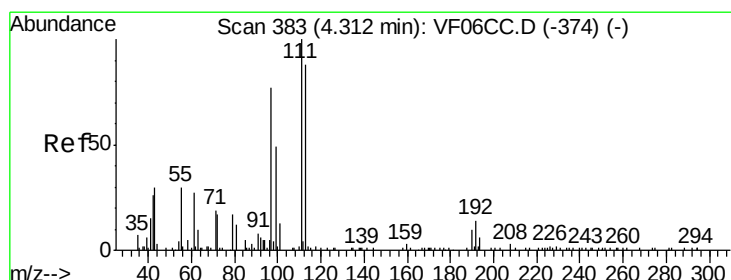
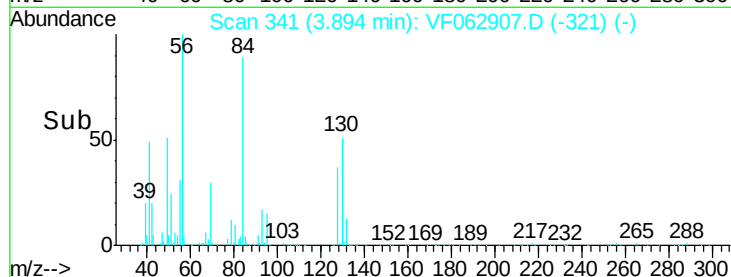
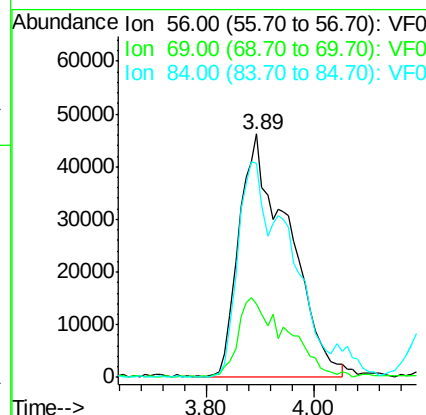
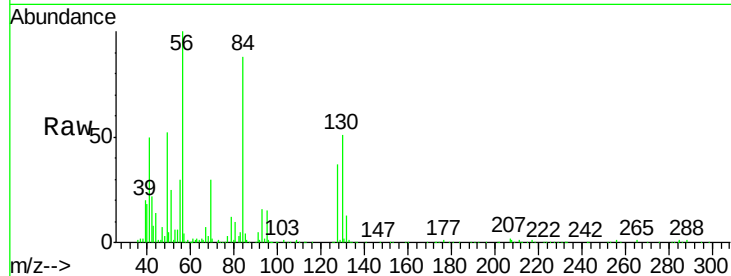
#31
Cyclohexane
Concen: 18.853 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.7	40.1
84	88.2	74.3	111.5

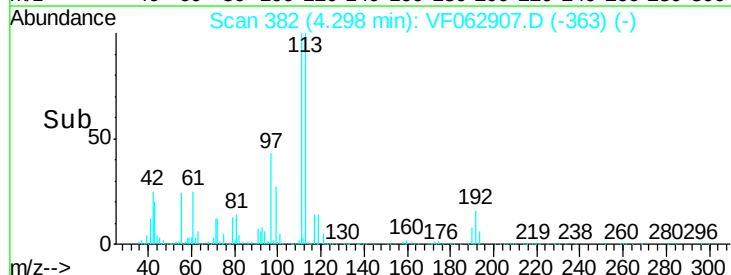
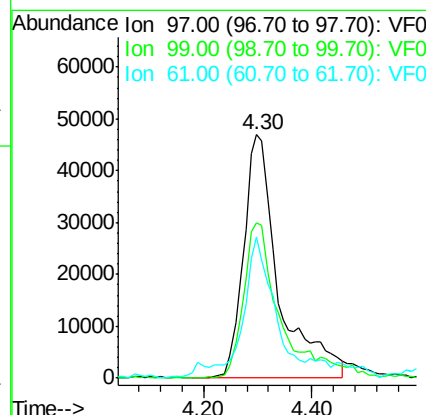
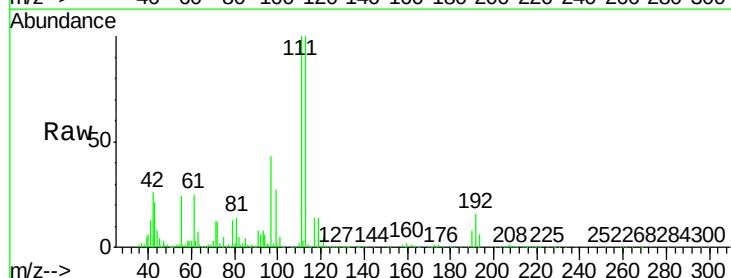
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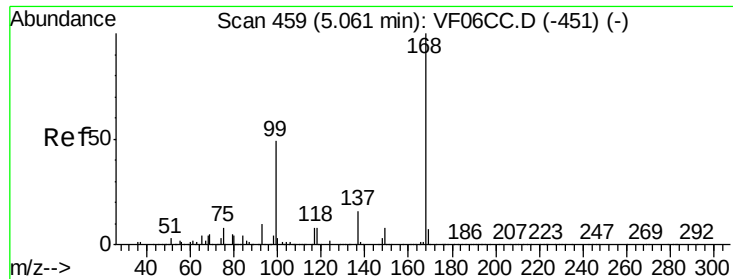
MMDadoda
6/11/2019 2:54:40 PM



#32
1,1,1-Trichloroethane
Concen: 22.597 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	58.1	38.9	58.3





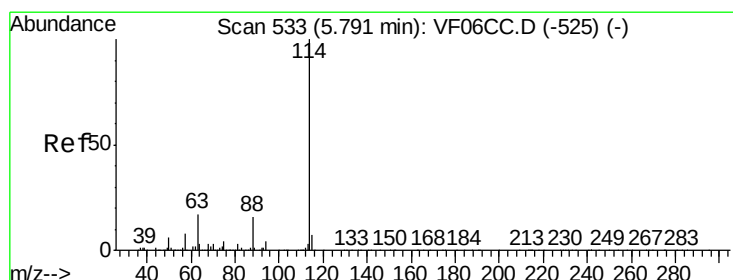
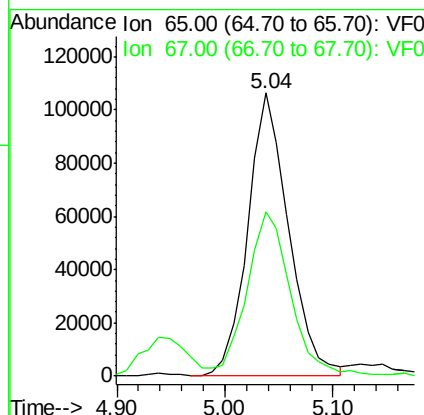
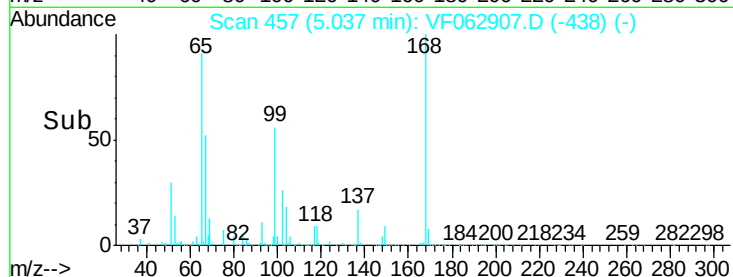
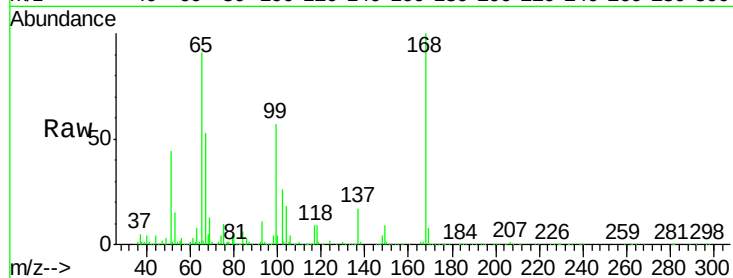
#33
 1,2-Dichloroethane-d4
 Concen: 47.967 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278359		
67	57.9	0.0	121.2	

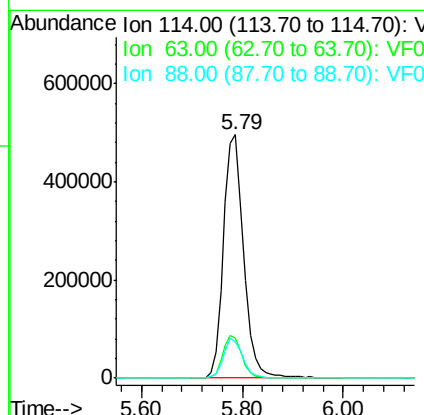
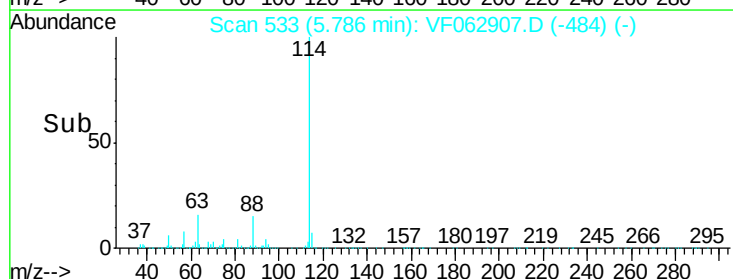
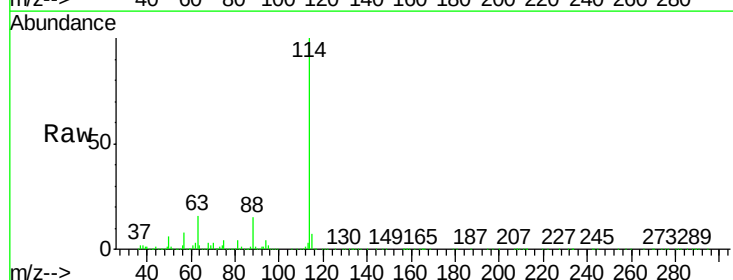
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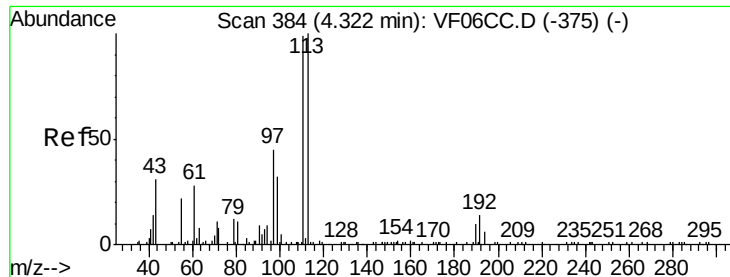
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 6/11/2019 2:54:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1381652		
63	16.3	0.0	34.2	
88	15.1	0.0	31.2	





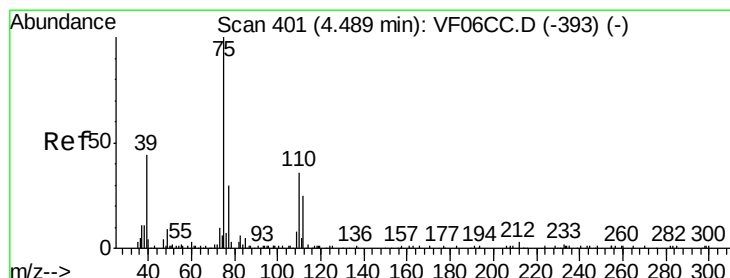
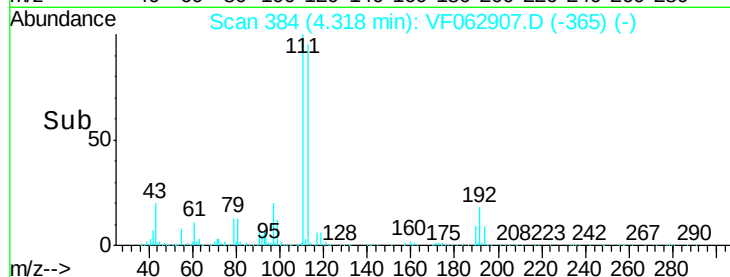
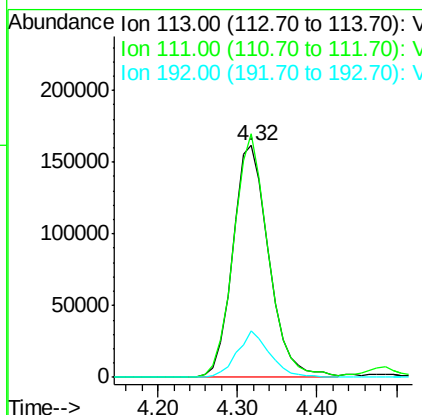
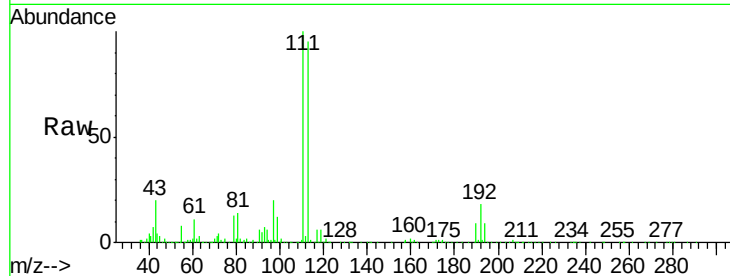
#35
 Dibromofluoromethane
 Concen: 48.827 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.9	122.9
192	20.1	15.1	22.7

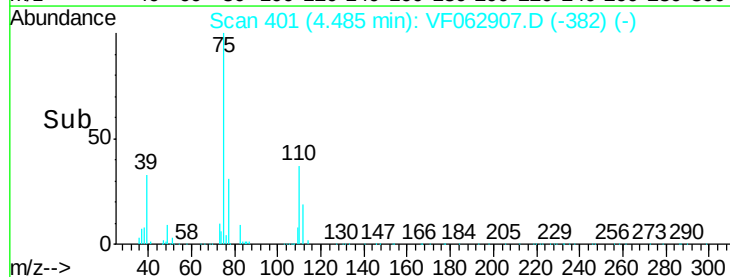
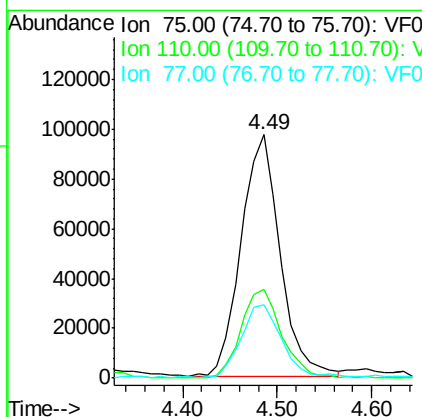
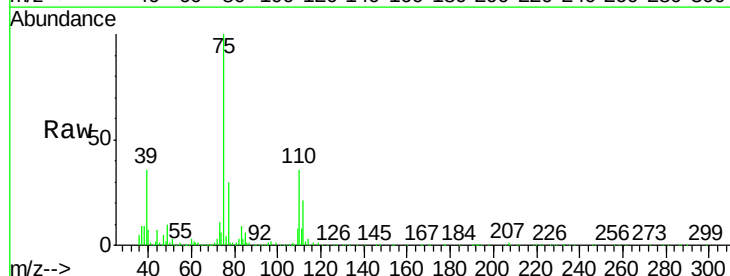
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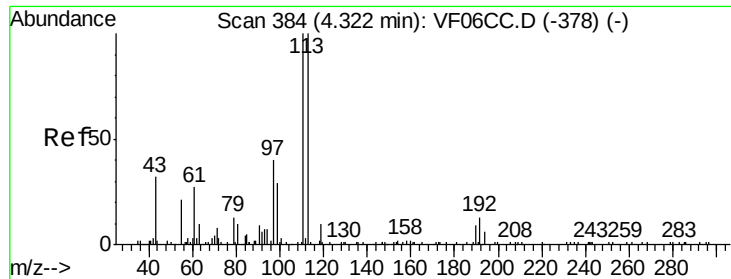
MMDadoda
 6/11/2019 2:54:40 PM



#36
 1,1-Dichloropropene
 Concen: 21.759 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	19.4	58.1
77	30.0	25.4	38.2





#37

Ethyl Acetate

Concen: 25.511 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

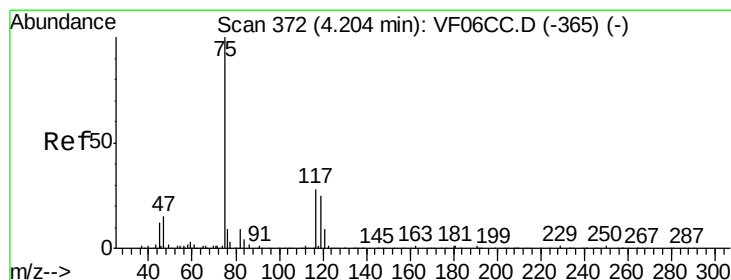
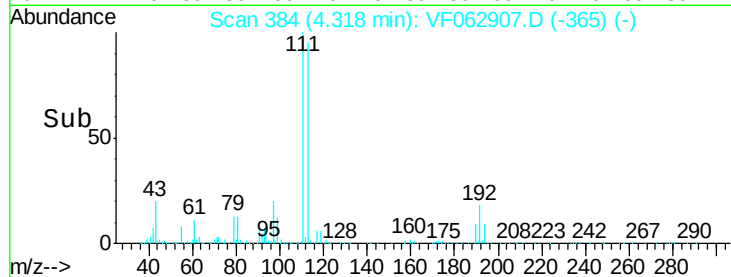
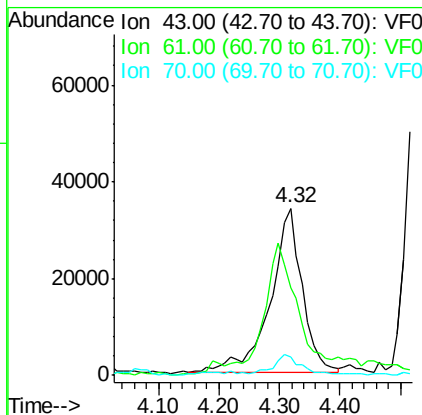
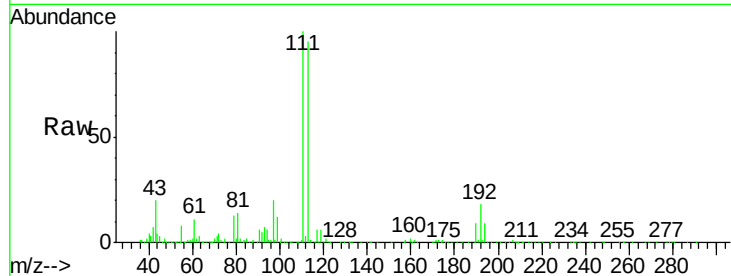
ClientSampleId :

VF0610SBS01

Tot Ion:	43	Resp:	124039
Ion	Ratio	Lower	Upper
43	100		
61	52.5	59.1	88.7#
70	11.1	10.1	15.1

Manual Integrations
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6/11/2019 2:54:40 PM



#38

Carbon Tetrachloride

Concen: 21.536 ug/l m

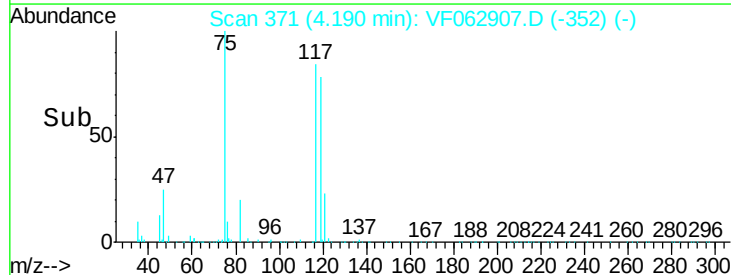
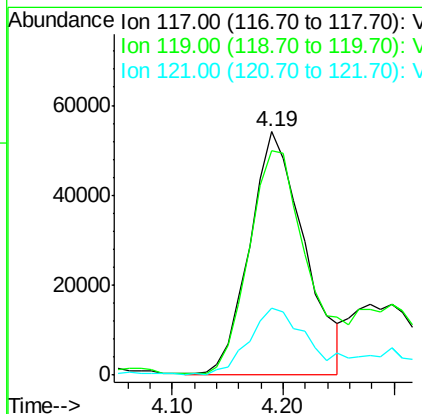
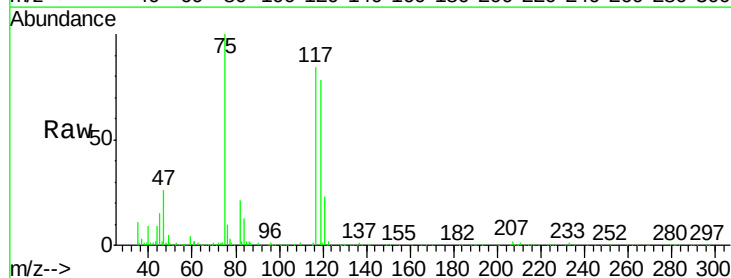
RT: 4.19 min Scan# 371

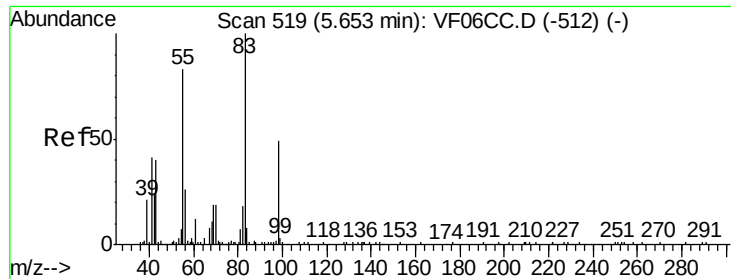
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	117	Resp:	185127
Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.2	117.2
121	27.5	28.2	42.2#





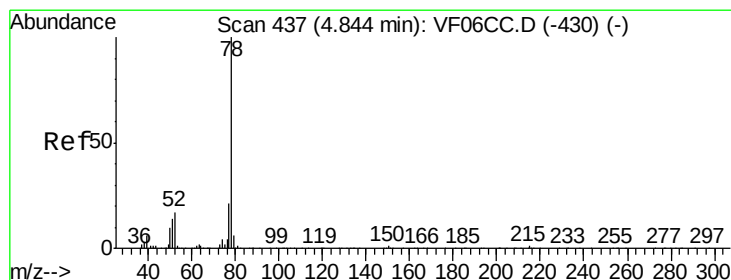
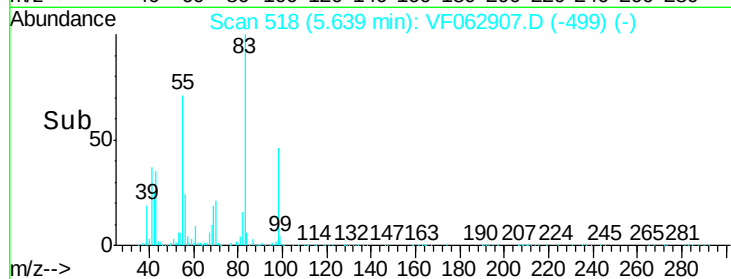
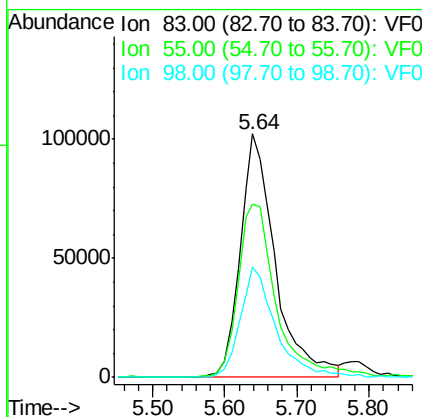
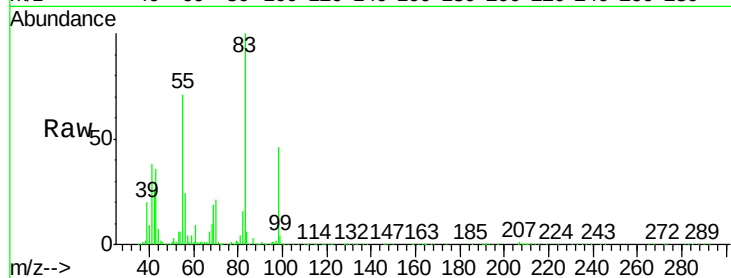
#39
Methylvlcyclohexane
Concen: 21.882 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	61.6	92.4
98	45.6	37.4	56.2

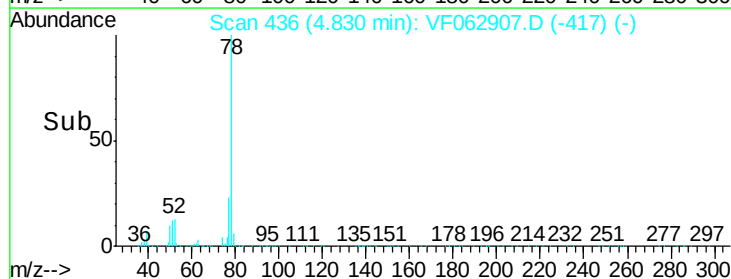
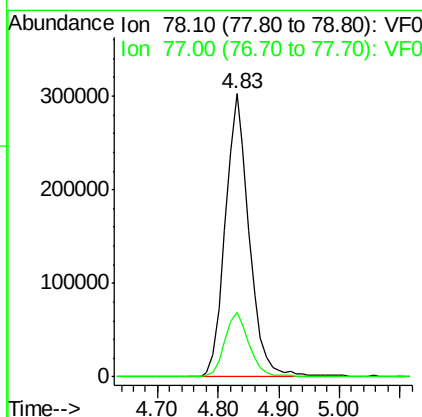
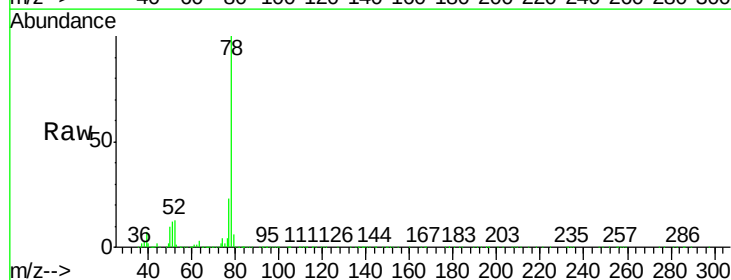
Manual Integrations
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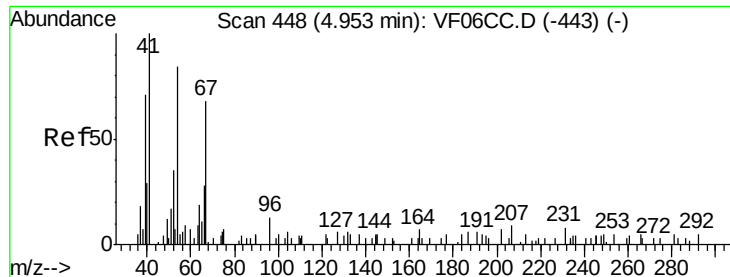
MMDadoda
6/11/2019 2:54:40 PM



#40
Benzene
Concen: 22.449 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





#41

Methacrylonitrile

Concen: 21.416 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062907.D

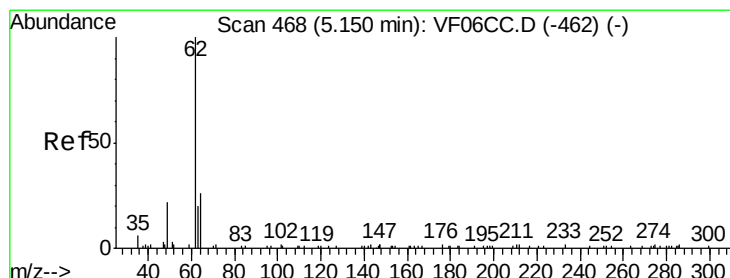
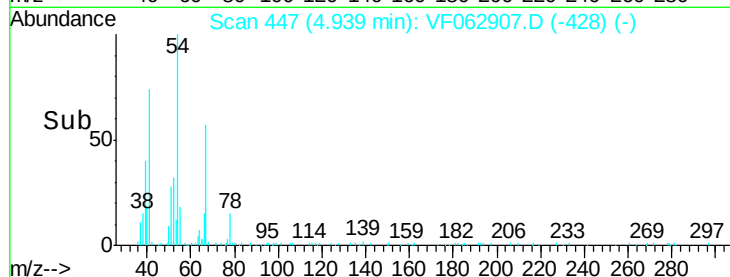
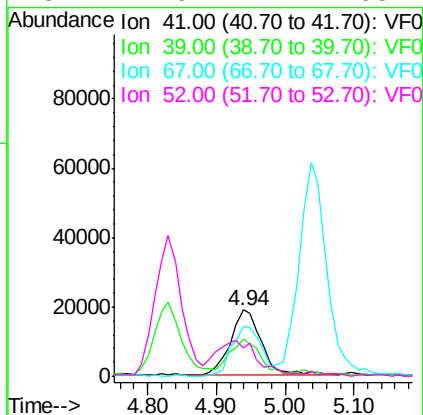
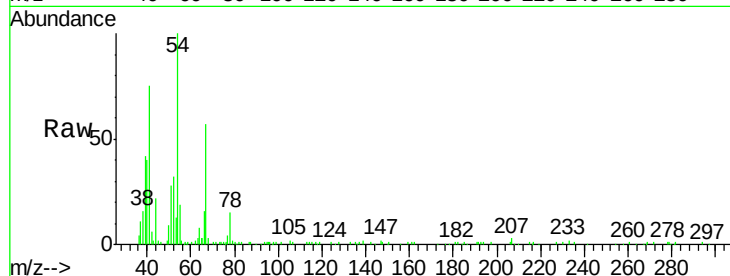
Acq: 10 Jun 2019 15:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		57887		
39	55.5	42.0	63.0		
67	75.8	61.4	92.0		
52	42.9	42.1	63.1		

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Manual Integrations
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6/11/2019 2:54:40 PM



#42

1,2-Dichloroethane

Concen: 22.329 ug/l

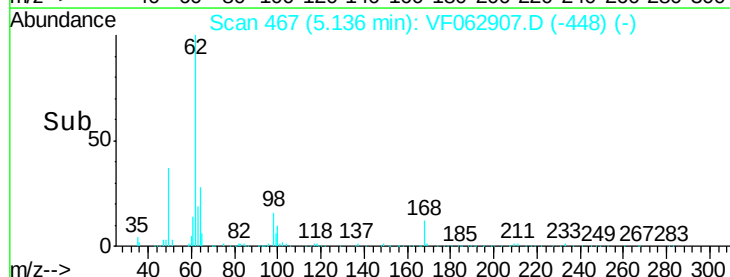
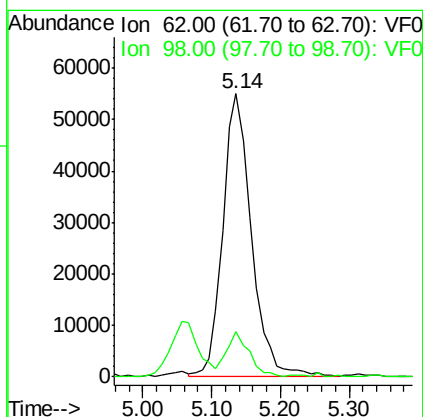
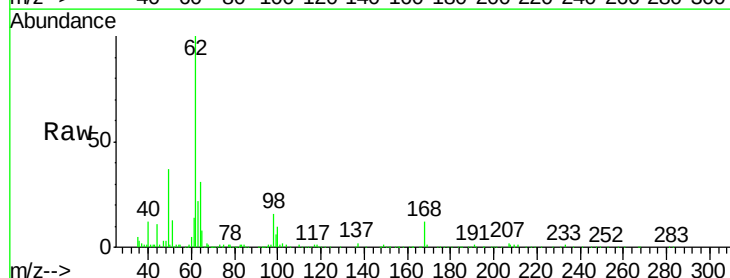
RT: 5.14 min Scan# 467

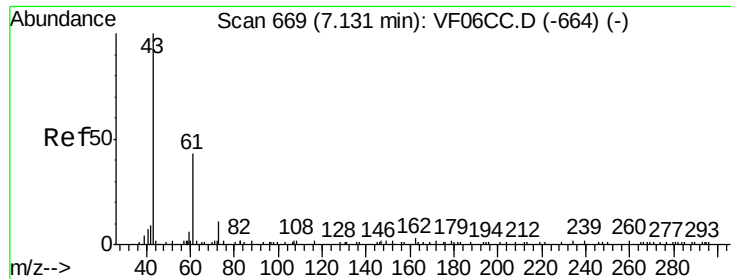
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		157206		
98	16.1	0.0	24.0		





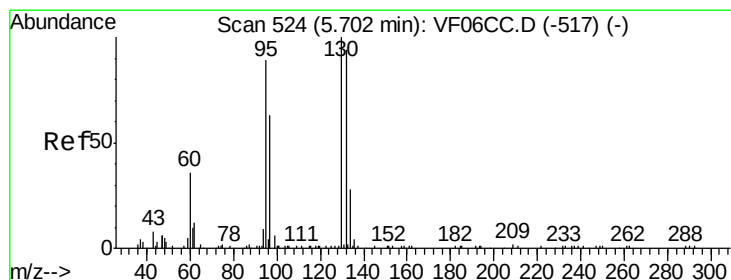
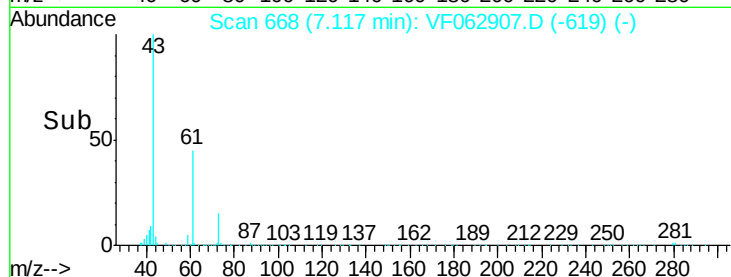
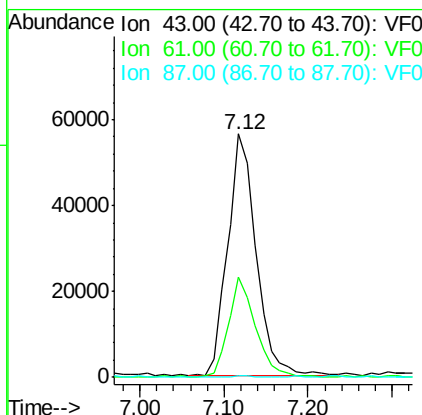
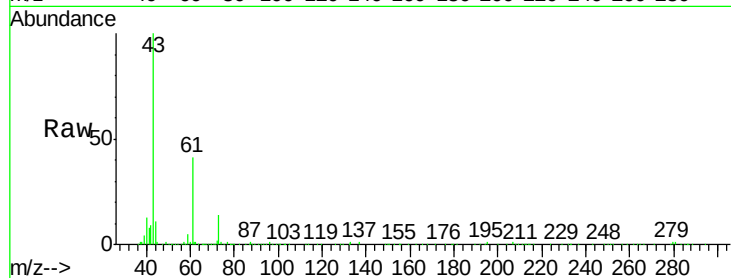
#43
Isopropyl Acetate
Concen: 20.486 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	41.4	29.8	44.6
87	0.7	0.3	0.5

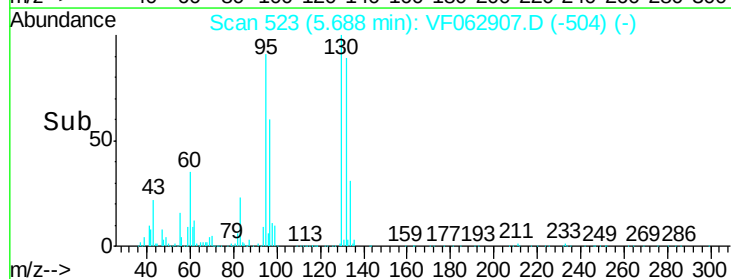
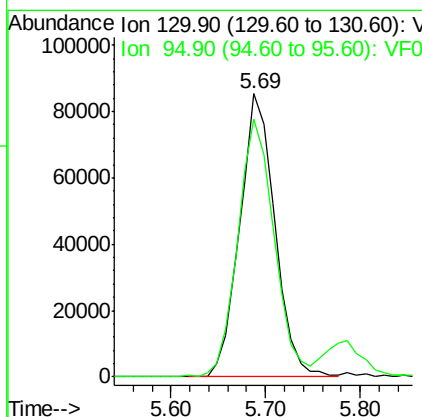
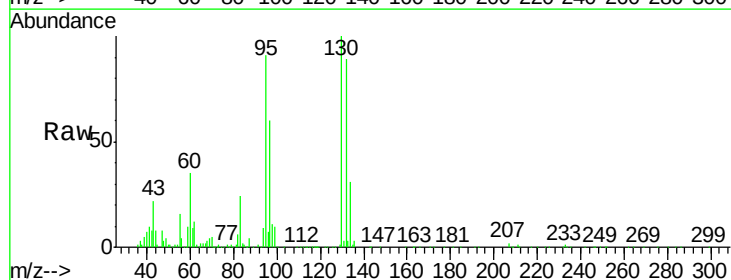
Manual Integrations
APPROVED

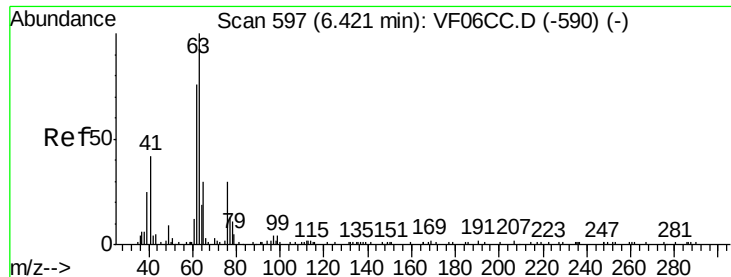
MMDadoda
6/11/2019 2:54:40 PM



#44
Trichloroethene
Concen: 21.052 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.024 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 63 Resp: 195307

Ion Ratio Lower Upper

63 100

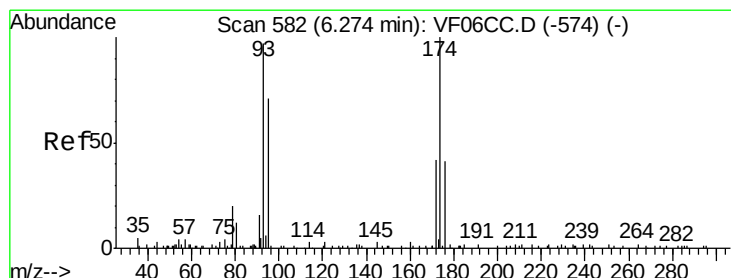
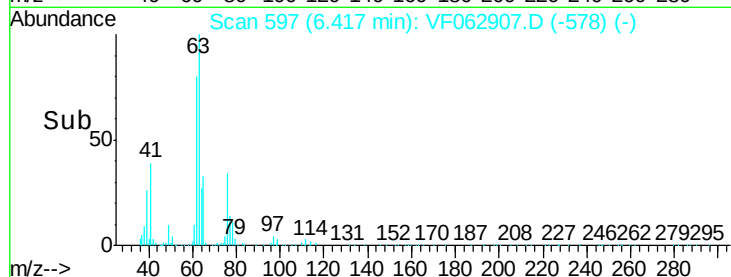
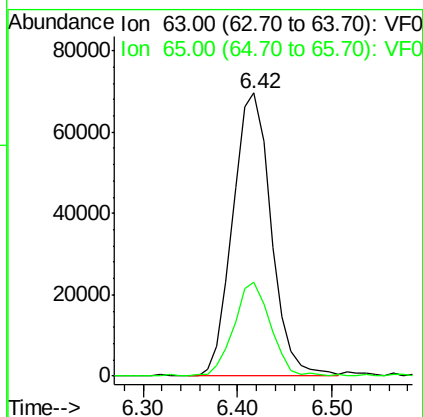
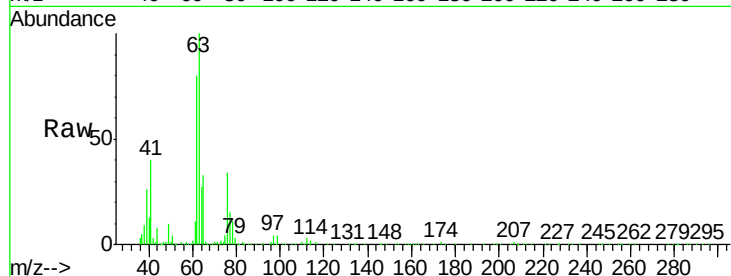
65 33.1 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 22.333 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

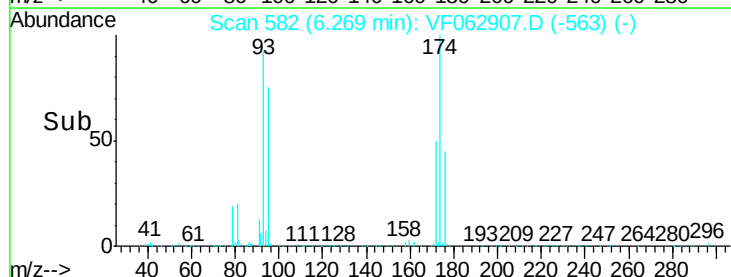
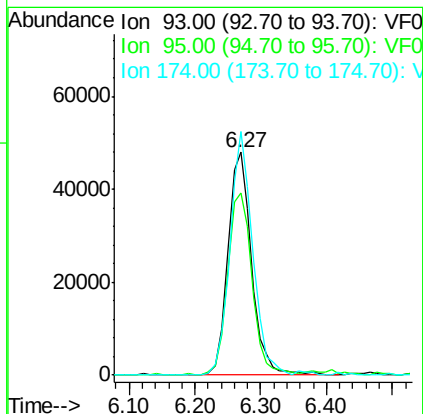
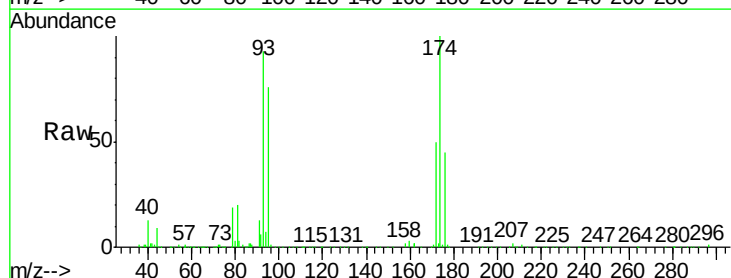
Tgt Ion: 93 Resp: 121126

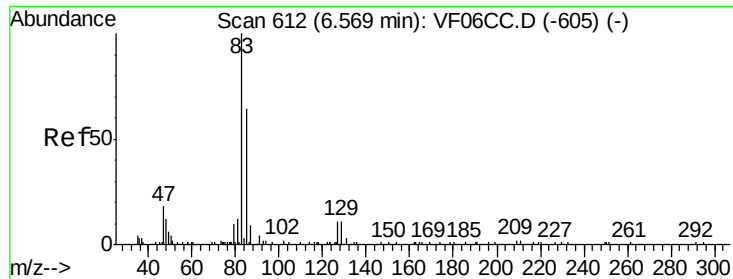
Ion Ratio Lower Upper

93 100

95 81.7 67.9 101.9

174 109.4 85.0 127.4





#47

Bromodichloromethane

Concen: 21.982 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

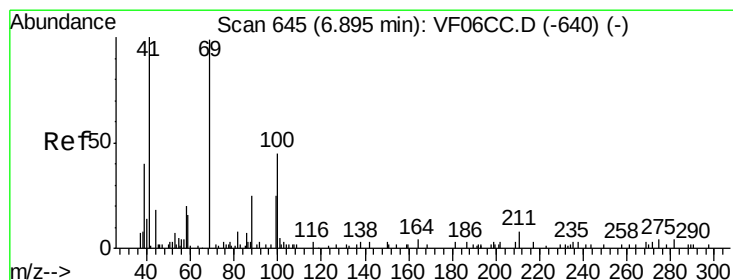
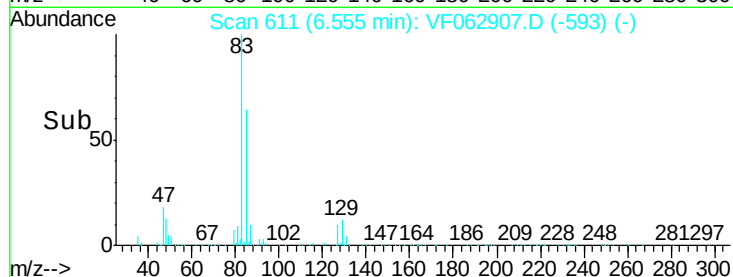
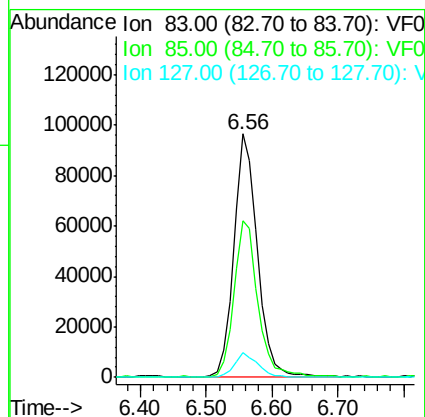
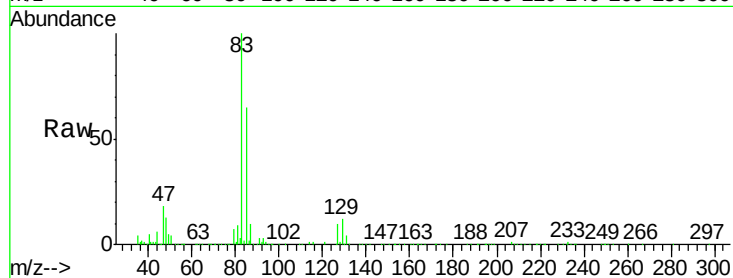
ClientSampleId :

VF0610SBS01

Tot Ion:	83	Resp:	242803
Ion Ratio	Lower	Upper	
83	100		
85	64.6	54.2	81.4
127	10.0	7.0	10.4

Manual Integrations
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6/11/2019 2:54:40 PM



#48

Methyl methacrylate

Concen: 20.078 ug/l

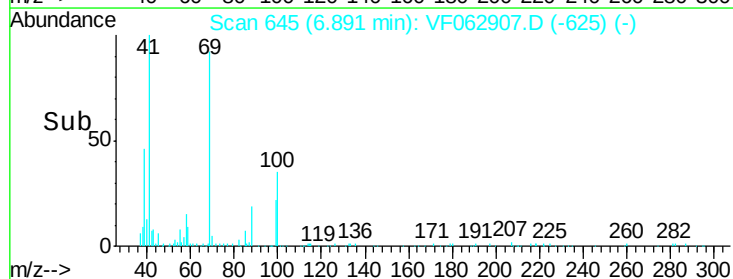
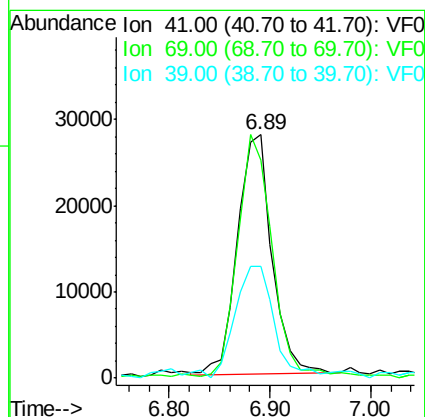
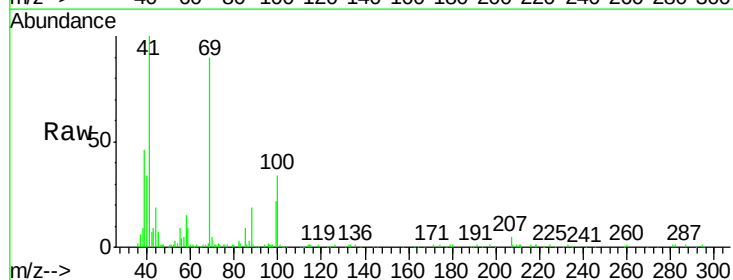
RT: 6.89 min Scan# 645

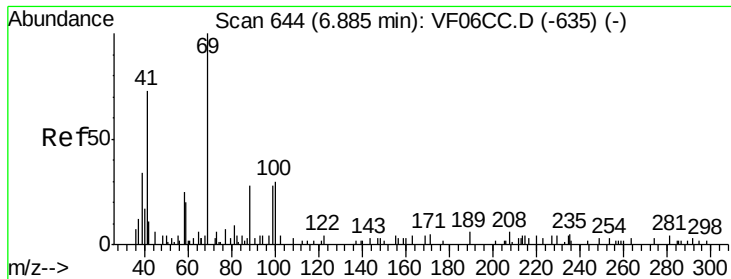
Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	41	Resp:	66461
Ion Ratio	Lower	Upper	
41	100		
69	89.5	79.4	119.2
39	45.9	39.8	59.6





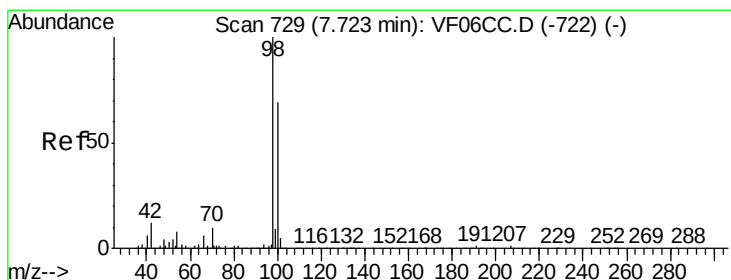
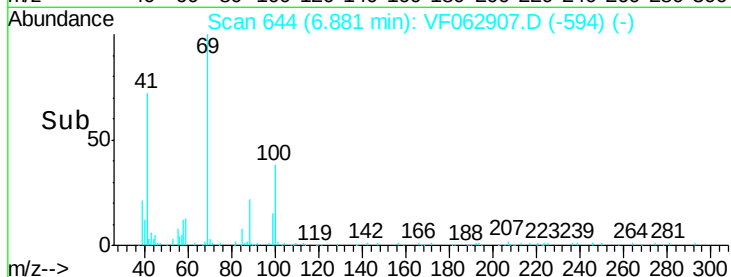
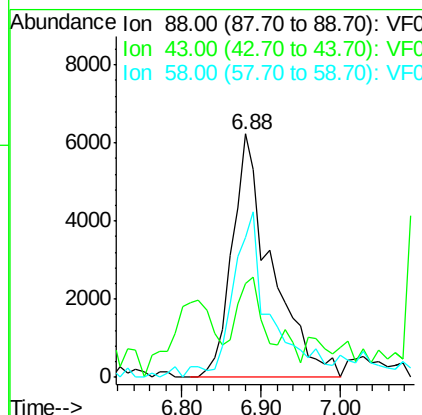
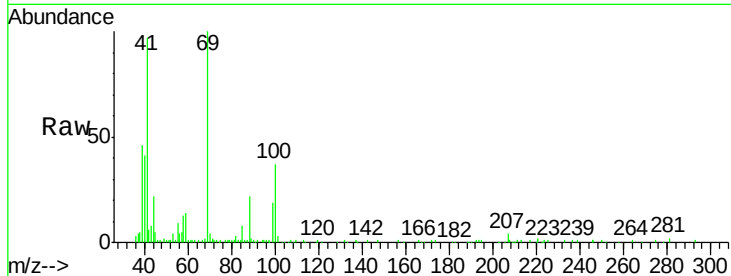
#49
1,4-Dioxane
Concen: 488.864 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.8	52.2
58	57.4	59.9	89.9#

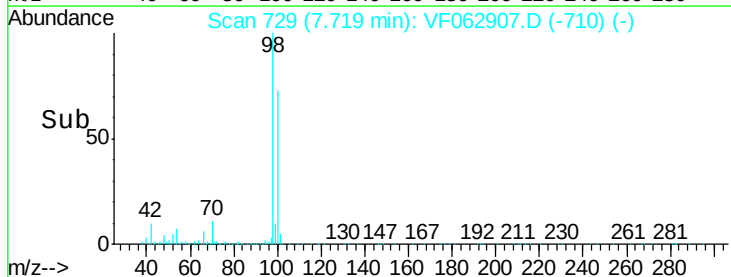
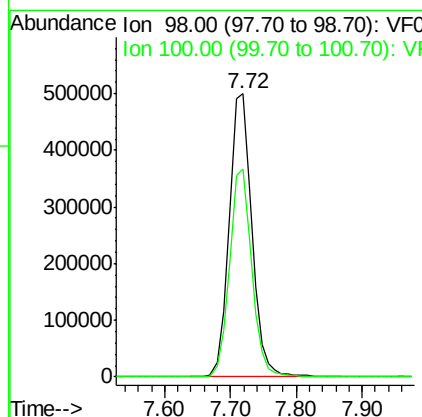
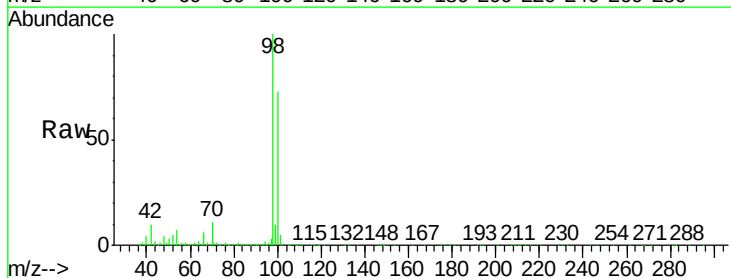
Manual Integrations
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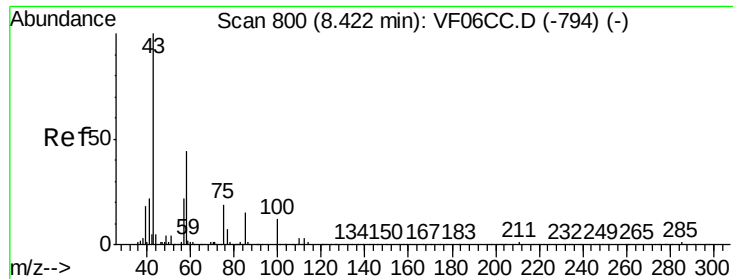
MMDadoda
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#50
Toluene-d8
Concen: 46.045 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.3	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 115.445 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 43 Resp: 529388

Ion Ratio Lower Upper

43 100

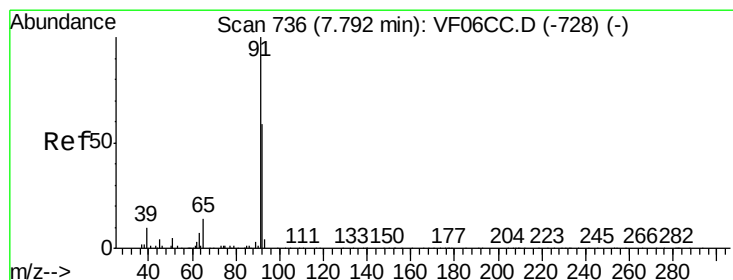
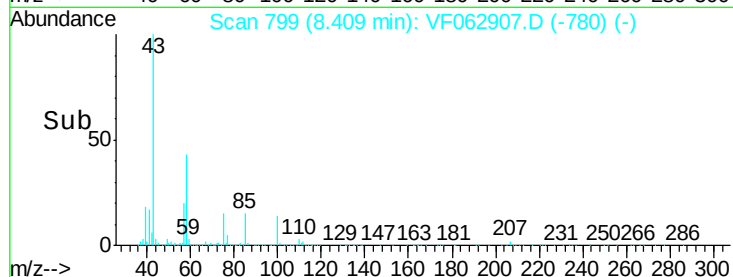
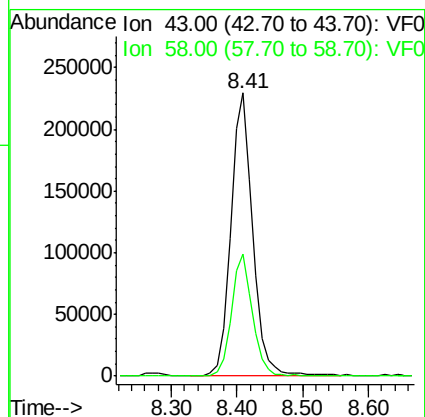
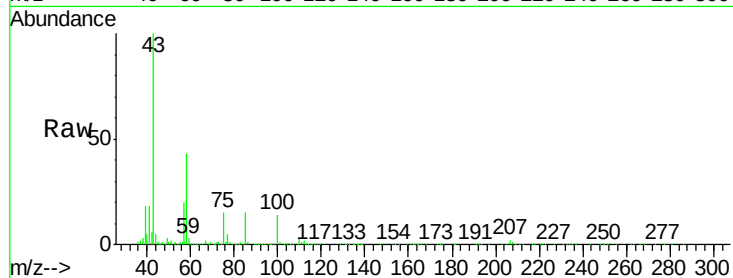
58 43.3 35.5 53.3

Manual Integrations

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#52

Toluene

Concen: 20.540 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062907.D

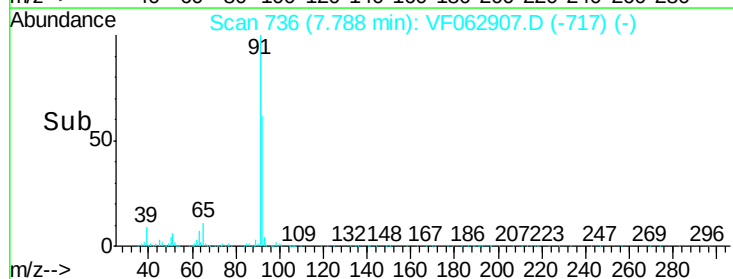
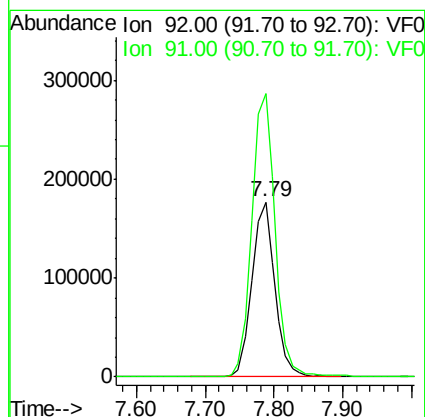
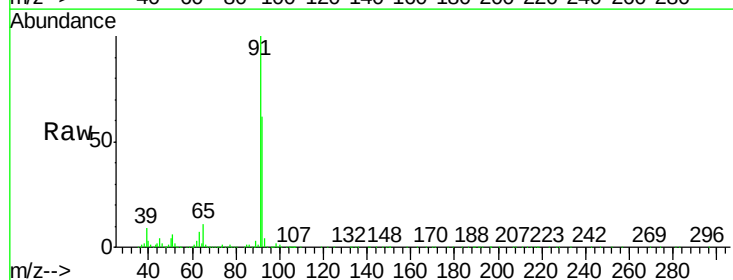
Acq: 10 Jun 2019 15:37

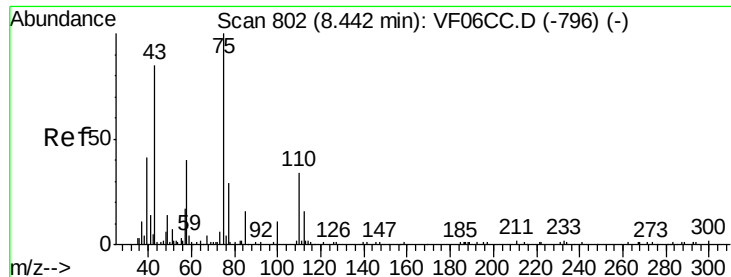
Tgt Ion: 92 Resp: 409535

Ion Ratio Lower Upper

92 100

91 161.9 123.2 184.8





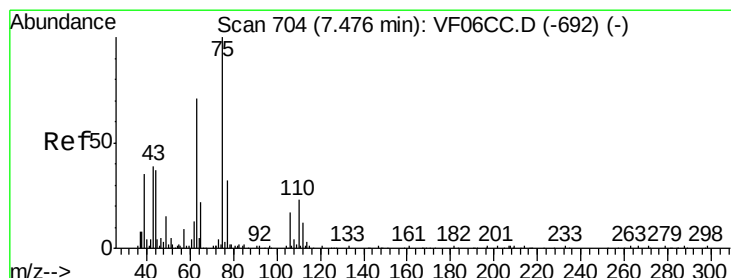
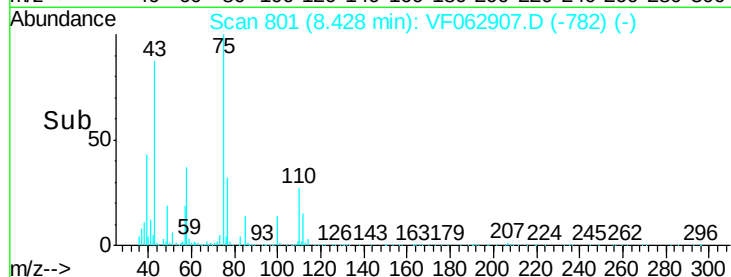
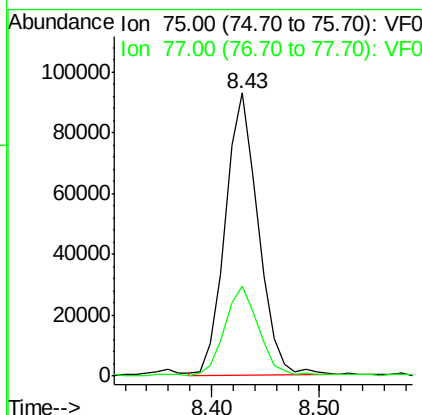
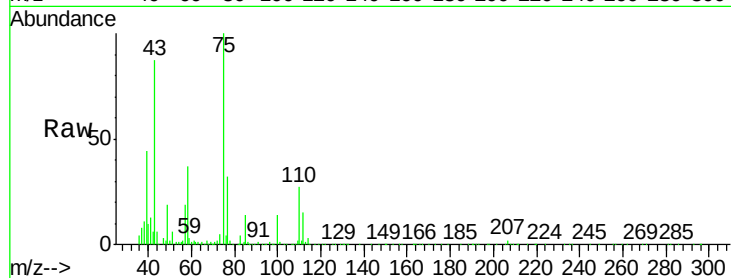
#53
t-1,3-Dichloropropene
Concen: 21.473 ug/l
RT: 8.43 min Scan# 801
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5

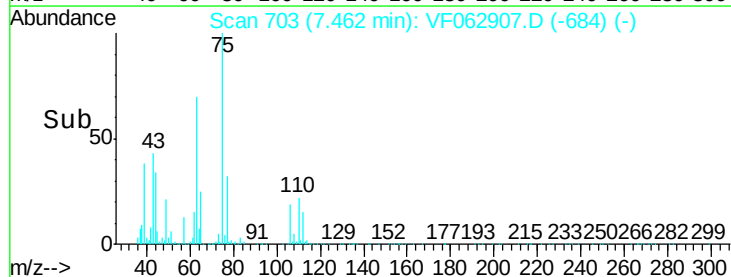
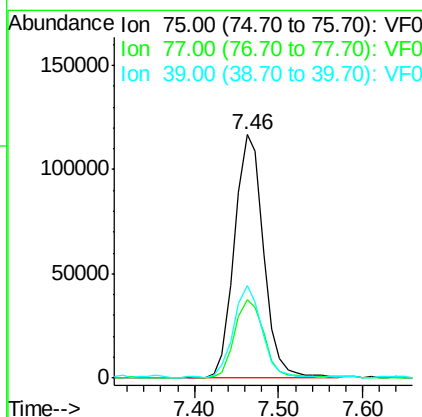
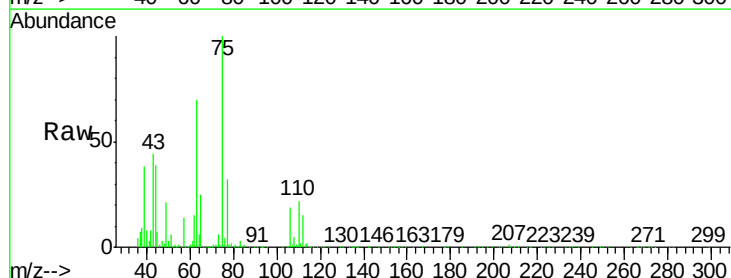
Manual Integrations
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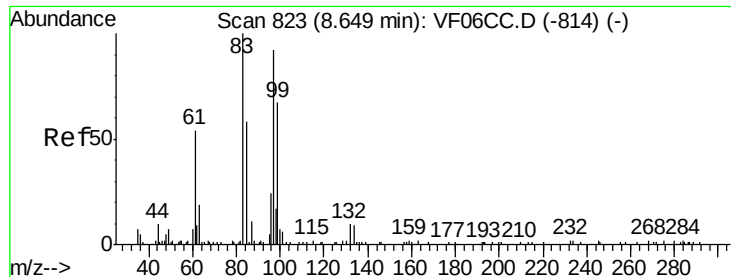
MMDadoda
6/11/2019 2:54:40 PM



#54
cis-1,3-Dichloropropene
Concen: 21.302 ug/l
RT: 7.46 min Scan# 703
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.8	38.8
39	37.9	28.4	42.6





#55

1,1,2-Trichloroethane

Concen: 21.831 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

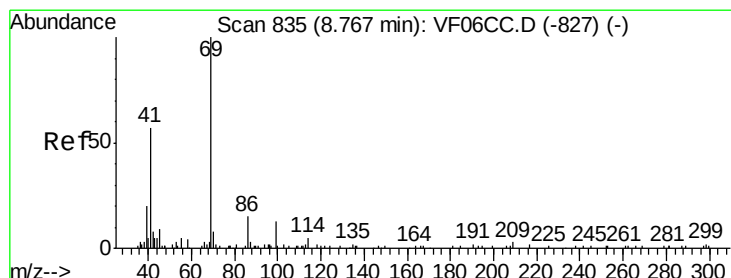
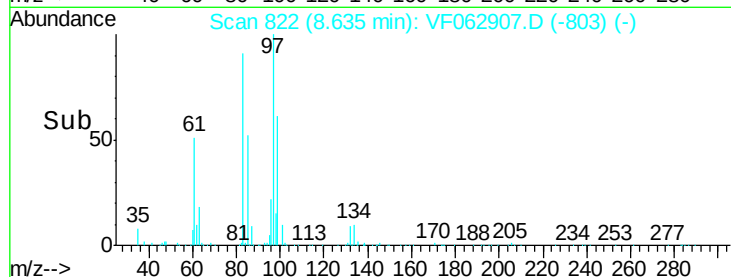
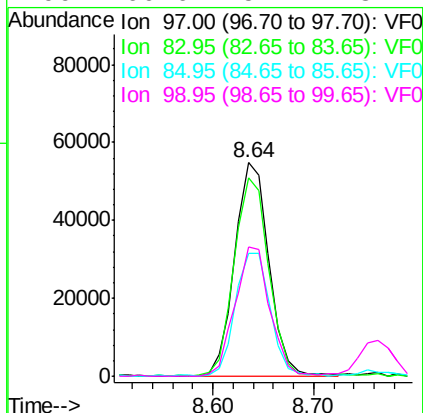
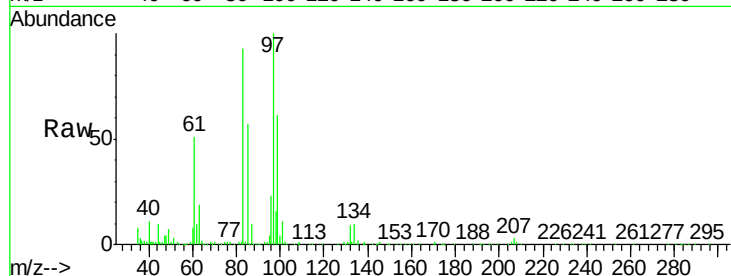
ClientSampleId :

VF0610SBS01

Tot Ion:	97	Resp:	130039
Ion	Ratio	Lower	Upper
97	100		
83	92.7	72.0	108.0
85	57.3	47.5	71.3
99	60.6	54.1	81.1

Manual Integrations
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6/11/2019 2:54:40 PM



#56

Ethyl methacrylate

Concen: 20.310 ug/l

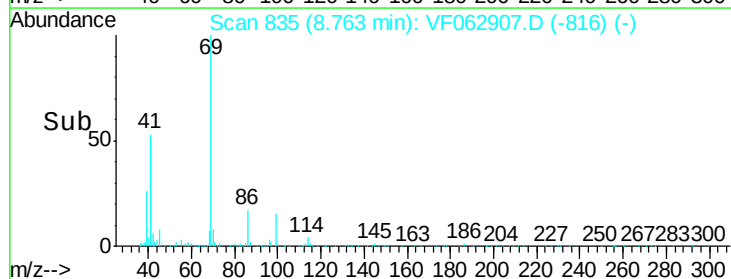
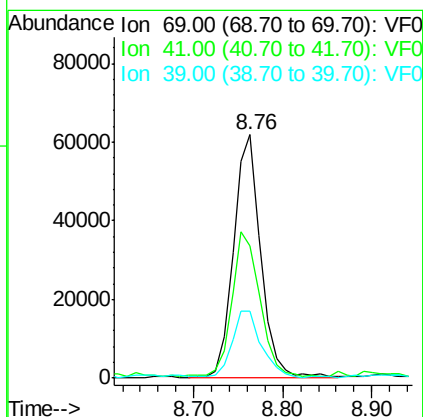
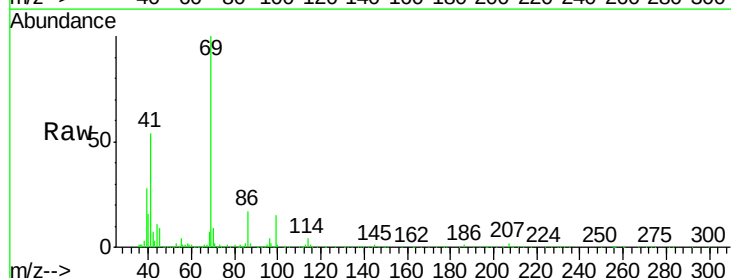
RT: 8.76 min Scan# 835

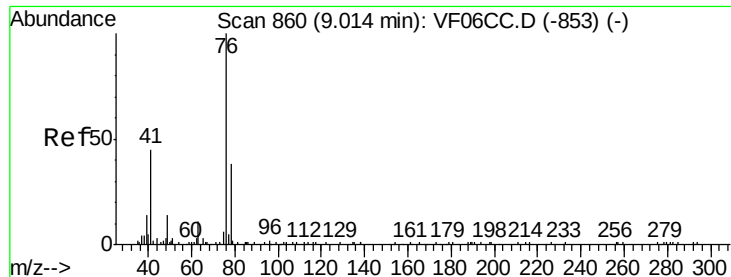
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	69	Resp:	129804
Ion	Ratio	Lower	Upper
69	100		
41	54.1	46.6	69.8
39	27.7	19.6	29.4





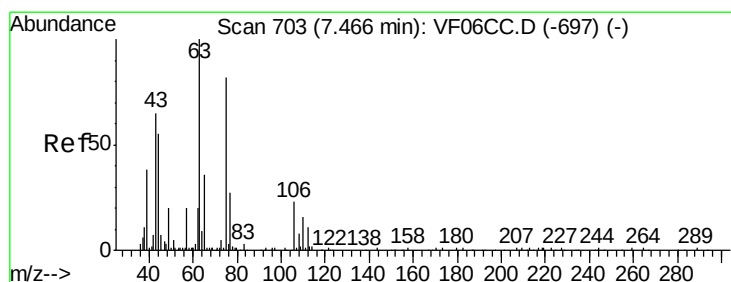
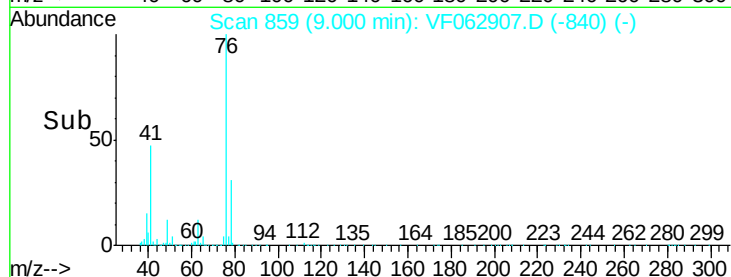
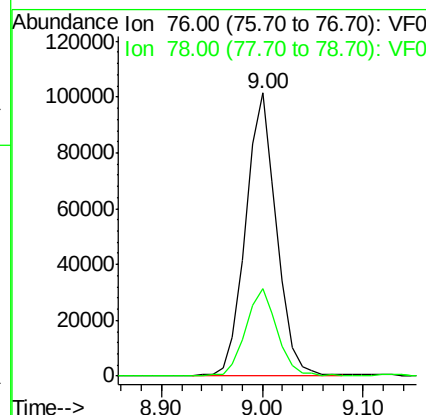
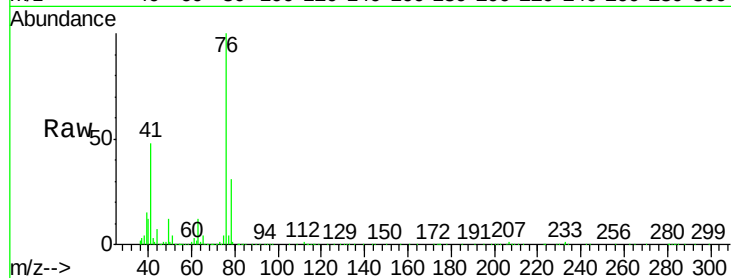
#57
 1,3-Dichloropropane
 Concen: 22.231 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.7	26.8	40.2

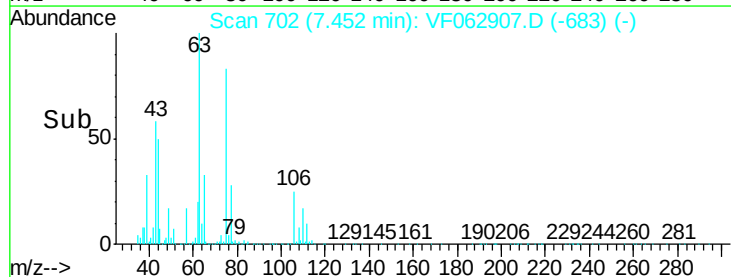
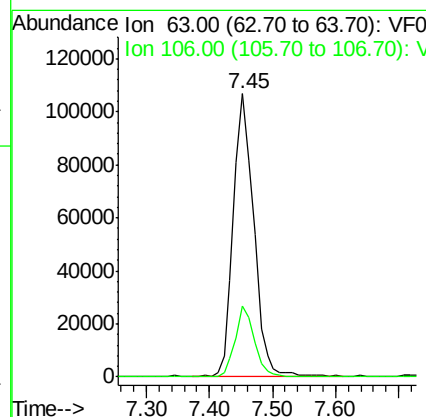
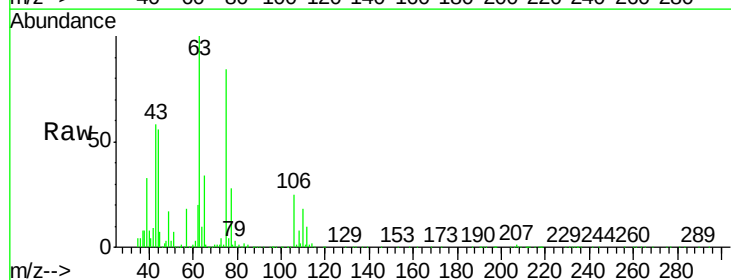
Manual Integrations
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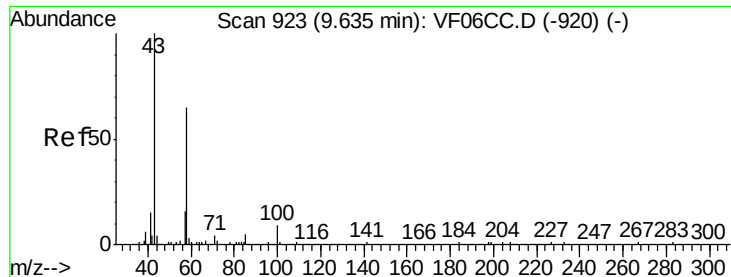
MMDadoda
 6/11/2019 2:54:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.238 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	19.5	29.3





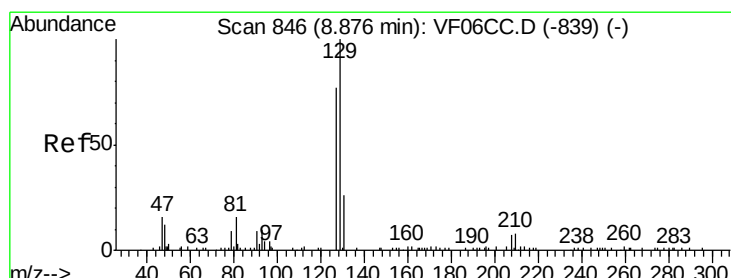
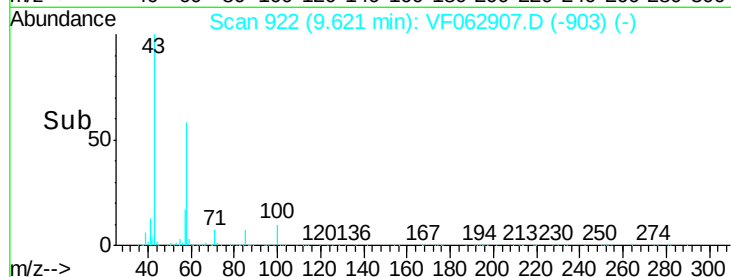
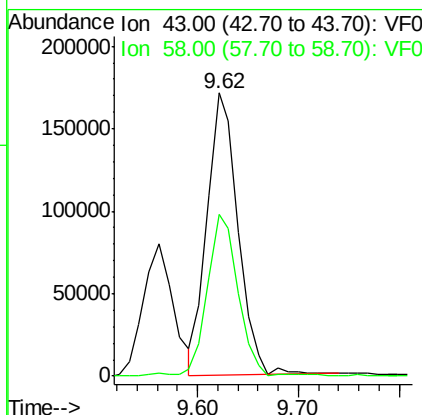
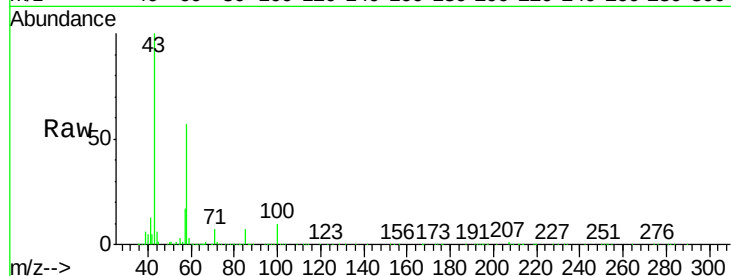
#59
2-Hexanone
Concen: 111.608 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion: 43 Resp: 364789
Ion Ratio Lower Upper
43 100
58 57.4 29.3 87.9

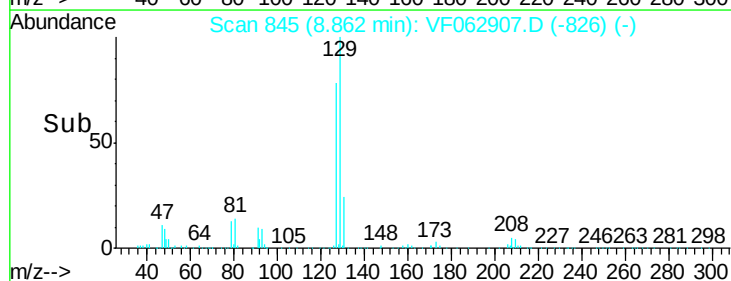
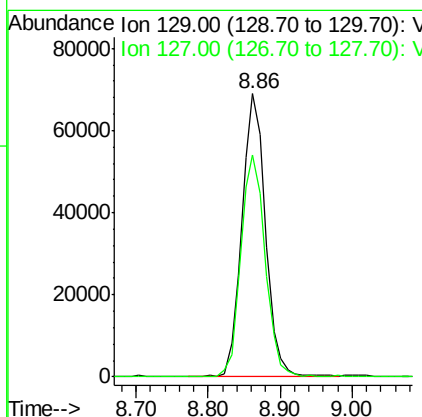
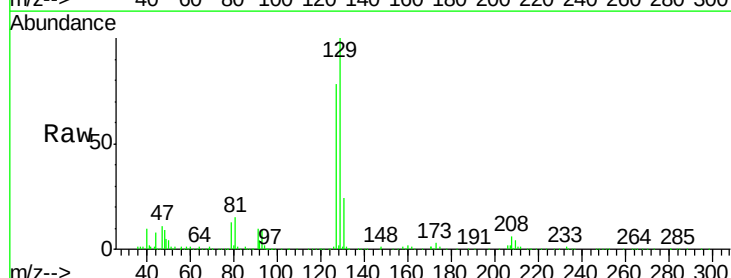
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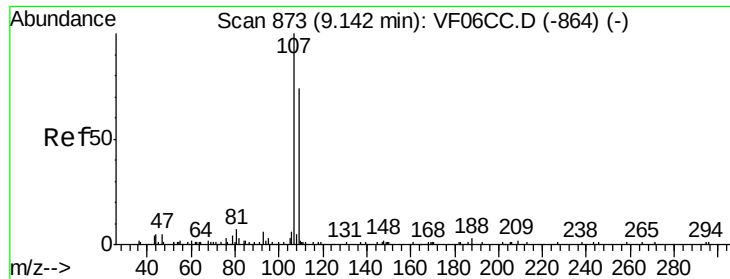
MMDadoda
6/11/2019 2:54:40 PM



#60
Dibromochloromethane
Concen: 21.474 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion: 129 Resp: 158364
Ion Ratio Lower Upper
129 100
127 78.3 37.1 111.3





#61

1,2-Dibromoethane

Concen: 22.073 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:107 Resp: 136546

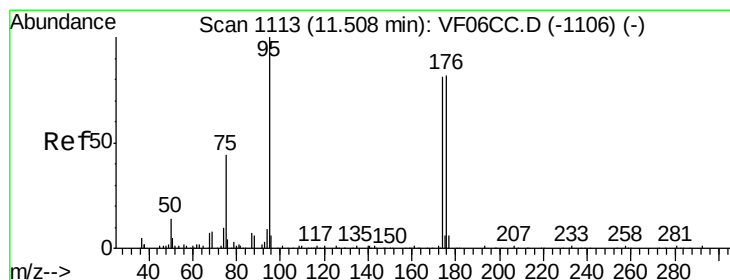
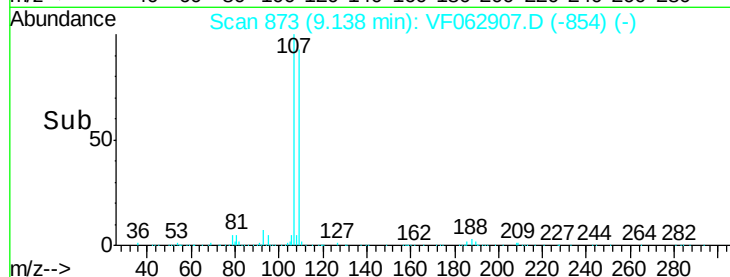
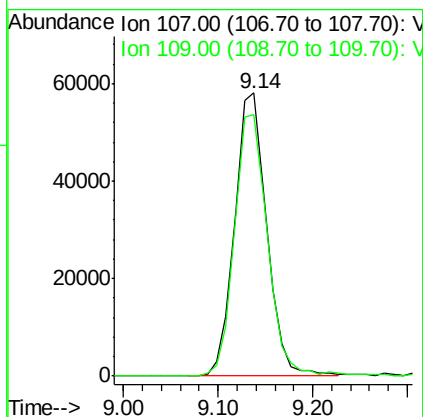
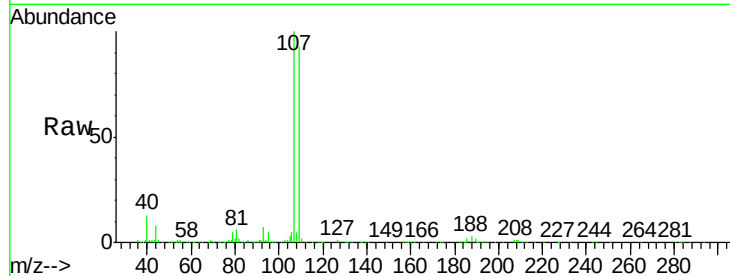
Ion Ratio Lower Upper

107 100

109 92.5 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 43.899 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

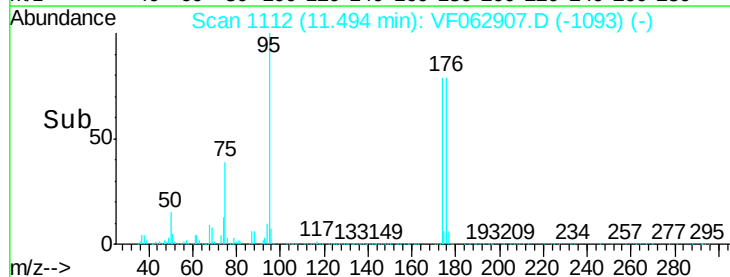
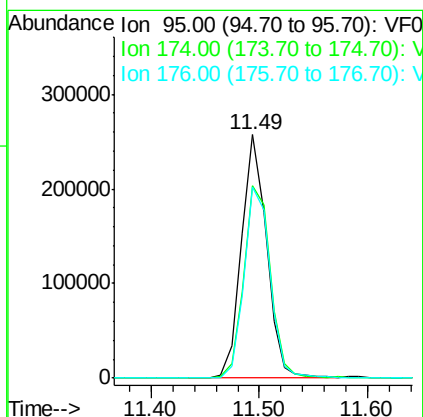
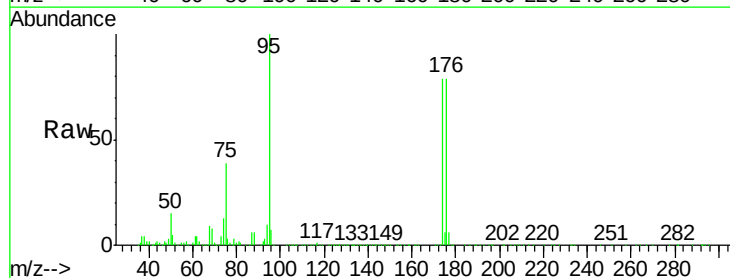
Tgt Ion: 95 Resp: 416903

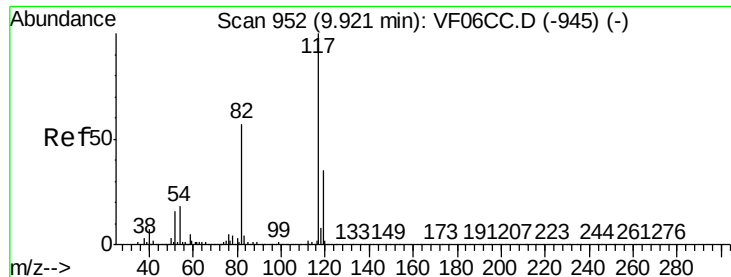
Ion Ratio Lower Upper

95 100

174 78.8 0.0 170.6

176 78.7 0.0 170.6





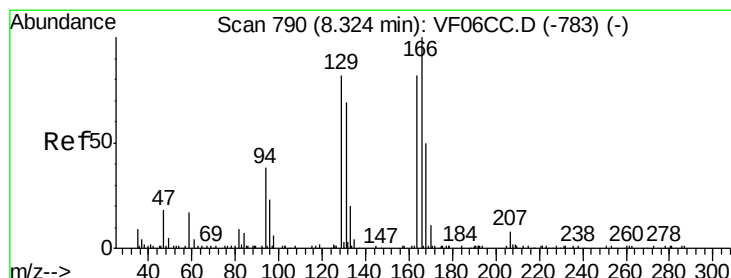
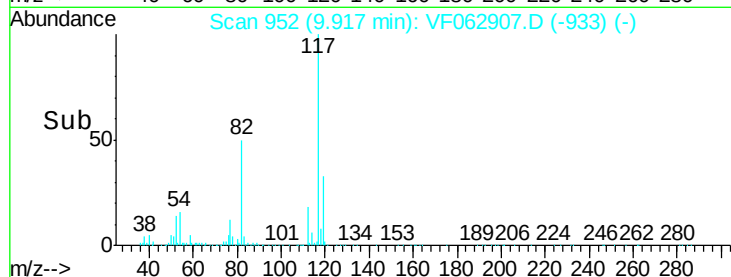
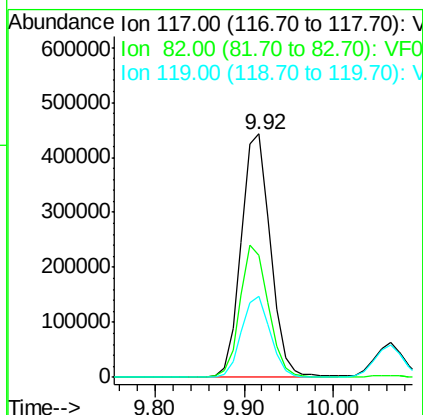
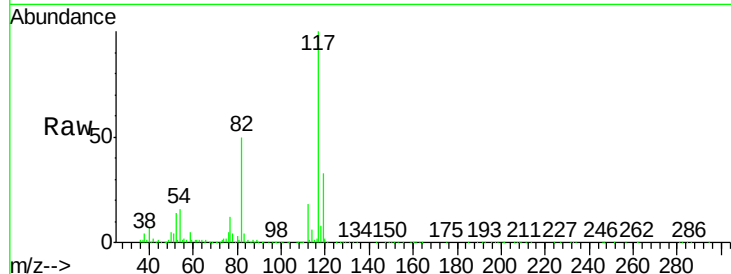
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion:117 Resp: 1008616
Ion Ratio Lower Upper
117 100
82 49.9 42.4 63.6
119 33.4 27.1 40.7

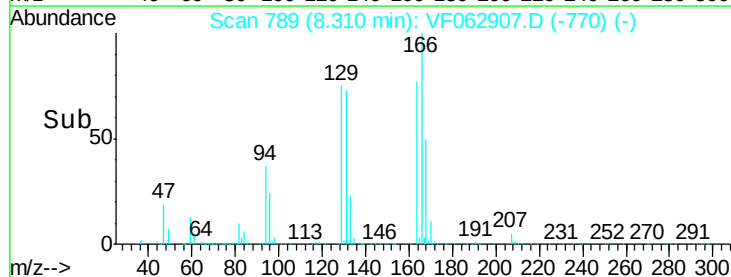
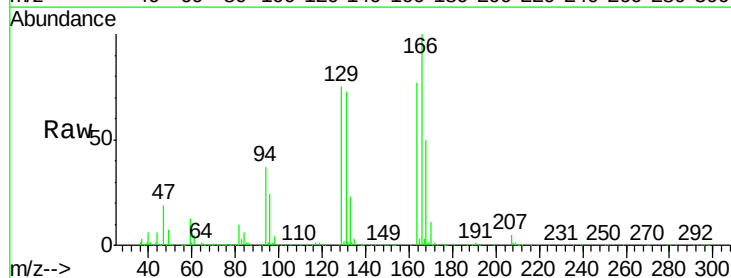
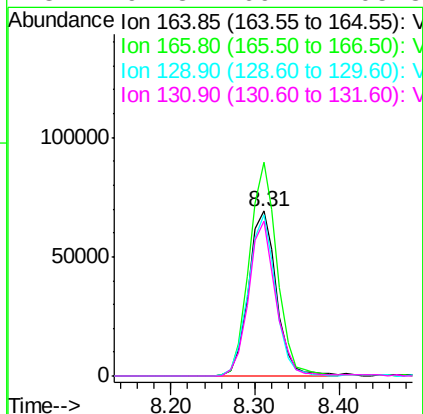
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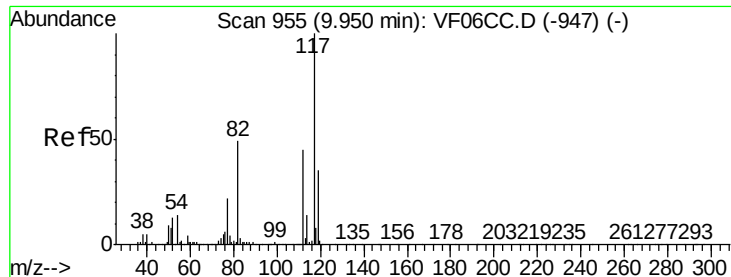
MMDadoda
6/11/2019 2:54:40 PM



#64
Tetrachloroethene
Concen: 20.744 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion:164 Resp: 160781
Ion Ratio Lower Upper
164 100
166 129.6 99.1 148.7
129 97.5 69.5 104.3
131 94.3 69.2 103.8





#65

Chlorobenzene

Concen: 21.096 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:112 Resp: 410899

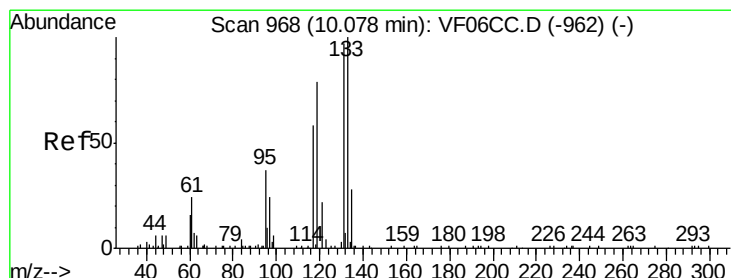
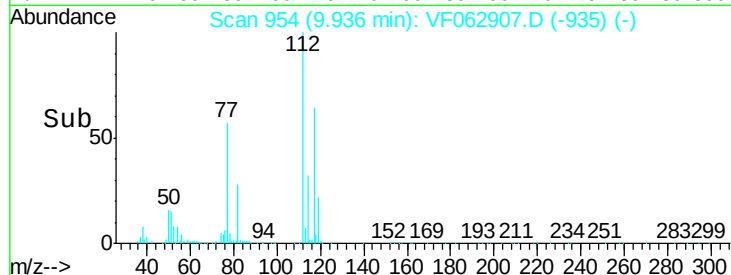
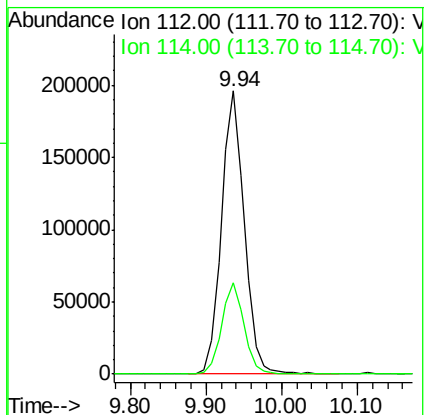
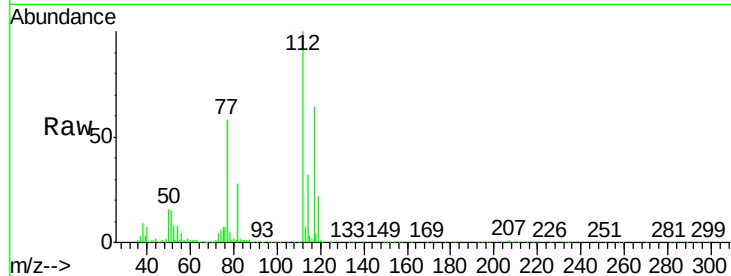
Ion Ratio Lower Upper

112 100

114 32.4 27.4 41.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.168 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

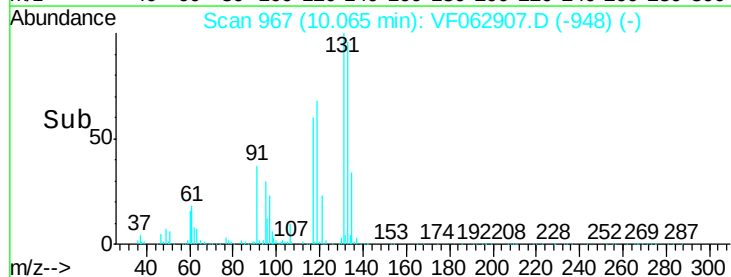
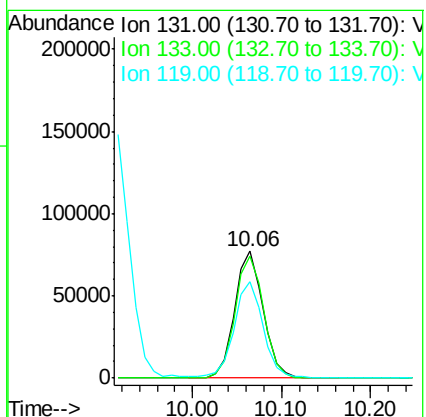
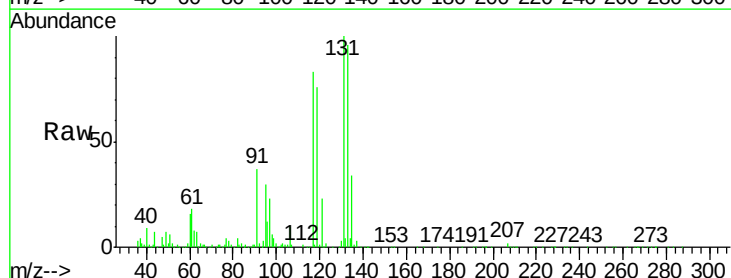
Tgt Ion:131 Resp: 171962

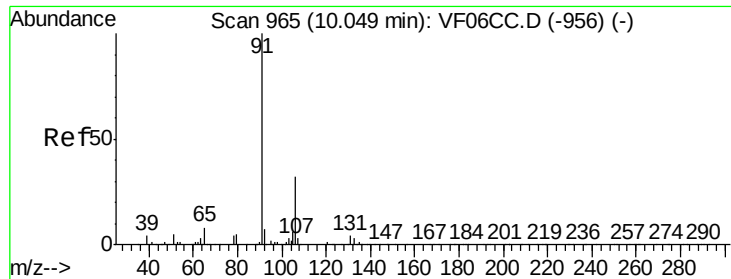
Ion Ratio Lower Upper

131 100

133 96.0 48.9 146.7

119 75.8 38.0 114.0





#67

Ethyl Benzene

Concen: 21.533 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 91 Resp: 719740

Ion Ratio Lower Upper

91 100

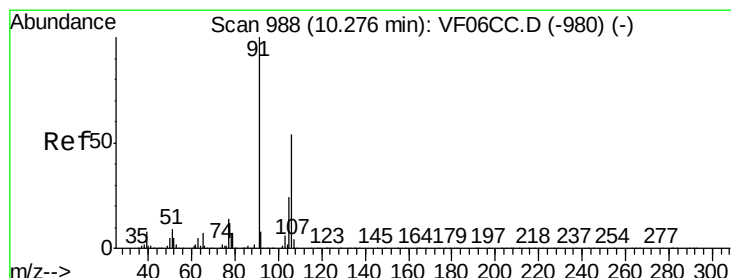
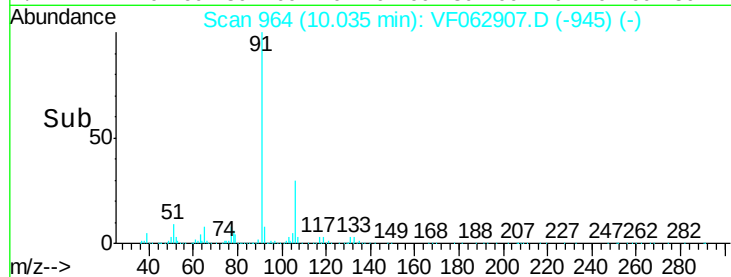
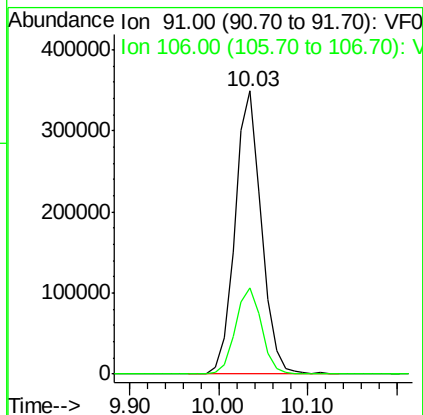
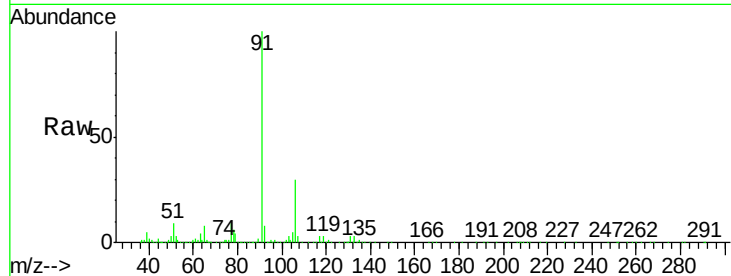
106 30.4 26.0 39.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.640 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062907.D

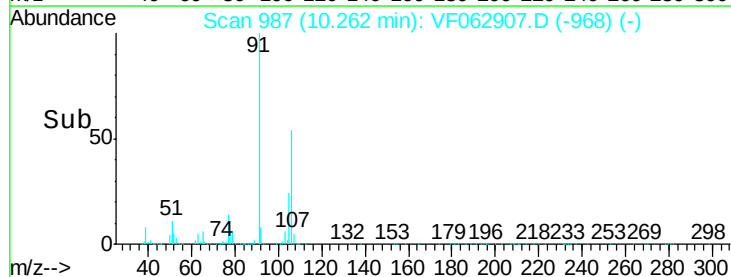
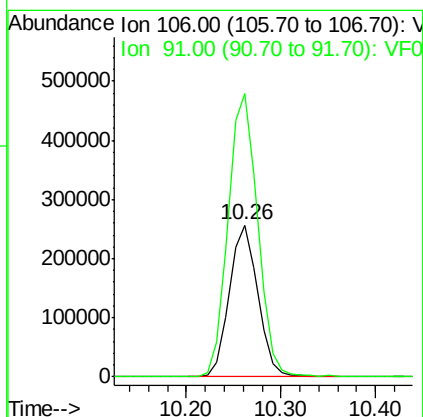
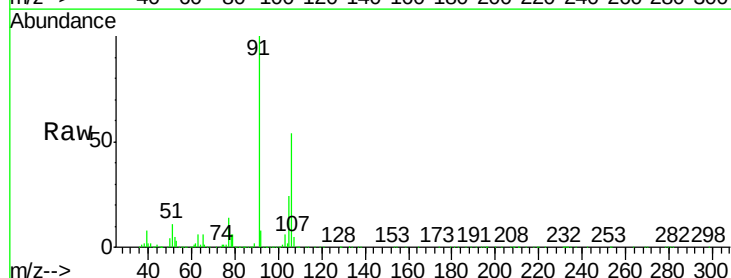
Acq: 10 Jun 2019 15:37

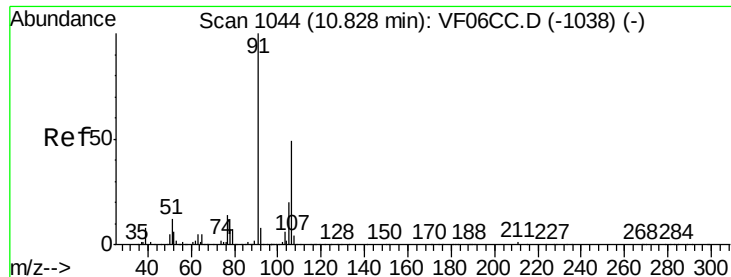
Tgt Ion: 106 Resp: 532595

Ion Ratio Lower Upper

106 100

91 186.8 136.2 204.4





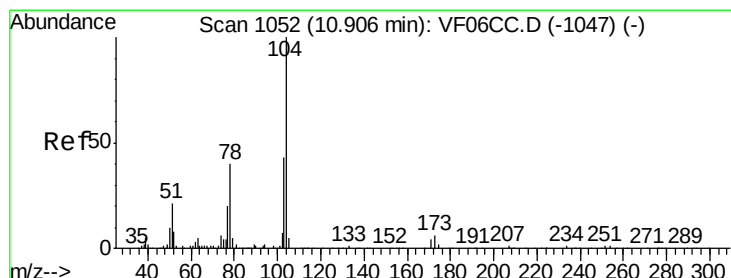
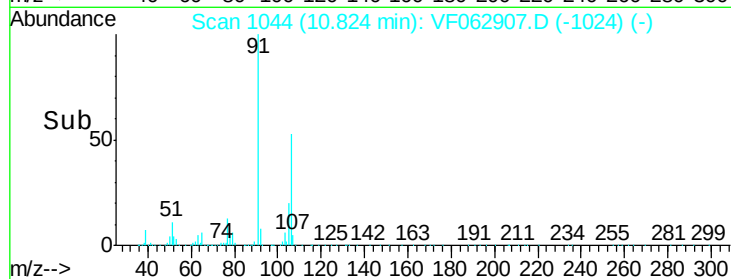
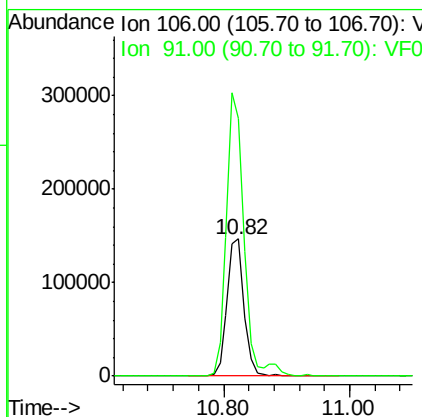
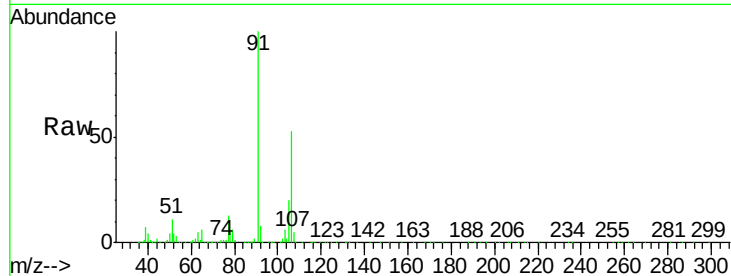
#69
o-Xylene
Concen: 21.107 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	188.0	96.6	289.8

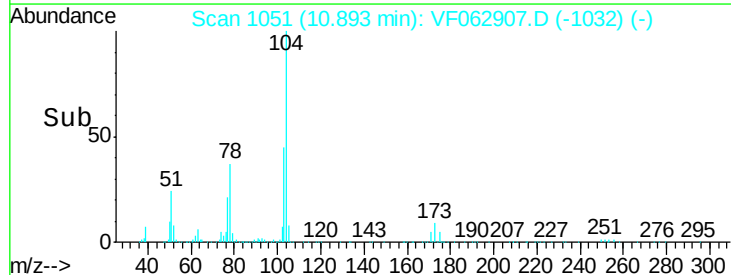
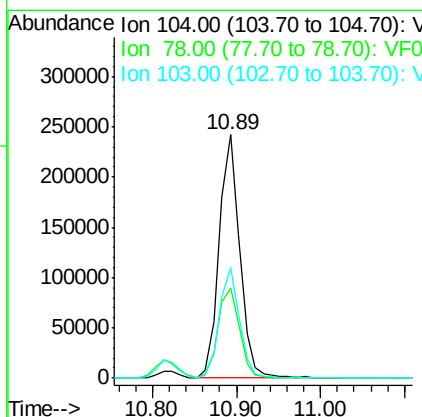
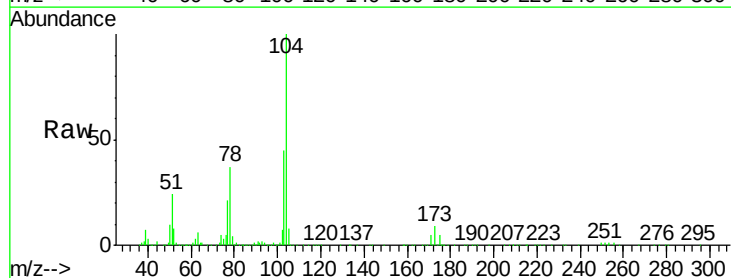
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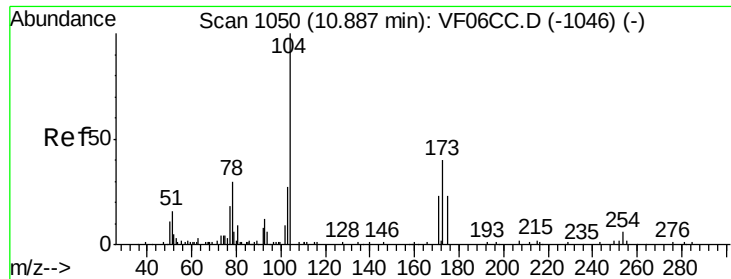
MMDadoda
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#70
Styrene
Concen: 21.575 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	37.1	30.8	46.2
103	45.2	35.8	53.6





#71

Bromoform

Concen: 22.762 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

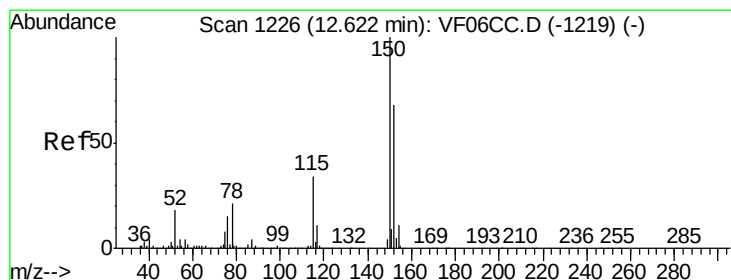
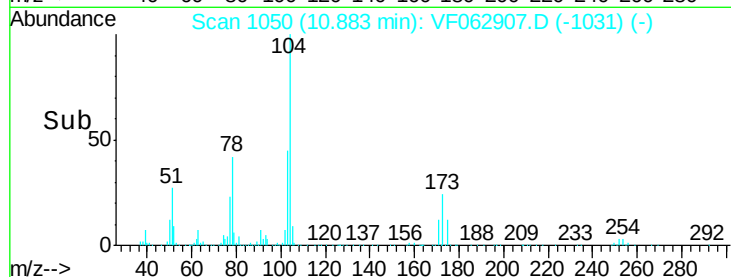
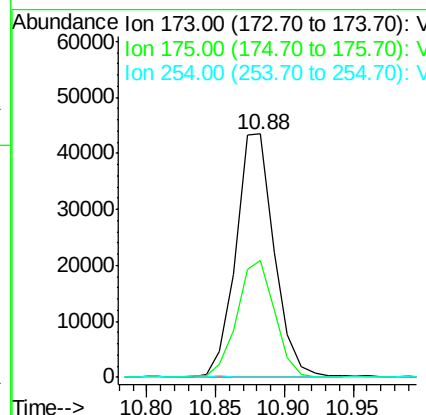
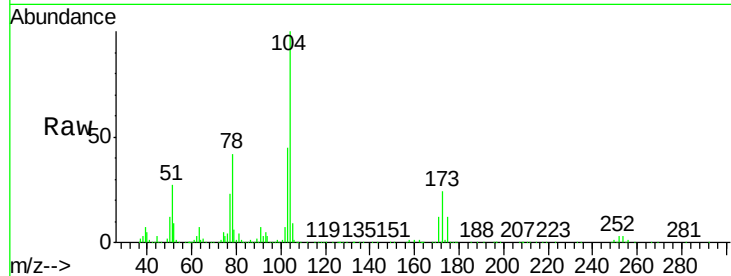
ClientSampleId :

VF0610SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.4	0.1	0.1#

Manual Integrations
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6/11/2019 2:54:40 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

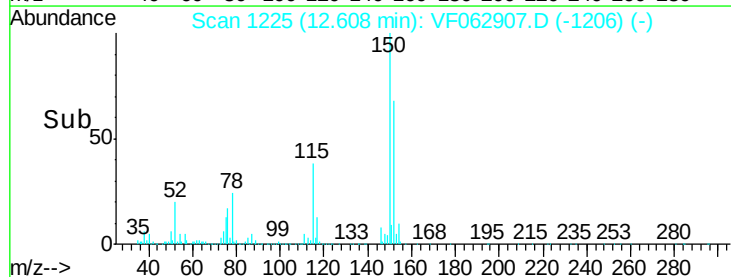
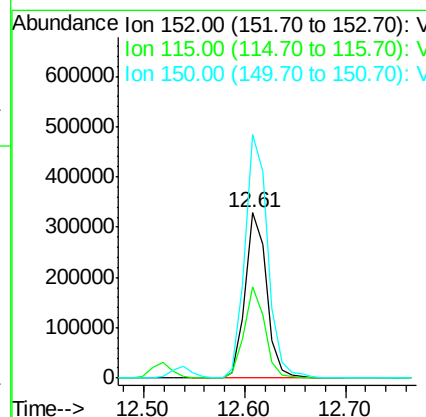
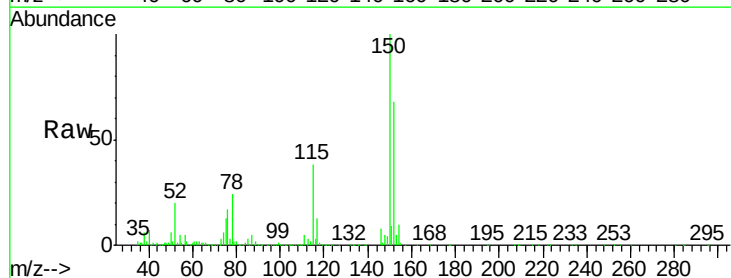
RT: 12.61 min Scan# 1225

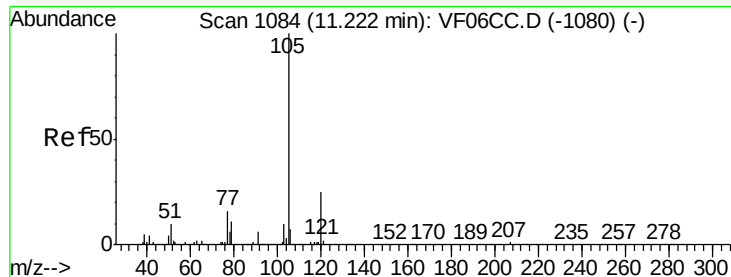
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	24.6	74.0
150	147.5	0.0	290.6





#73

Isopropylbenzene

Concen: 20.799 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:105 Resp: 711895

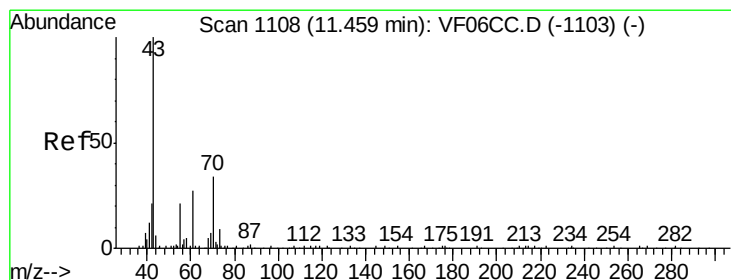
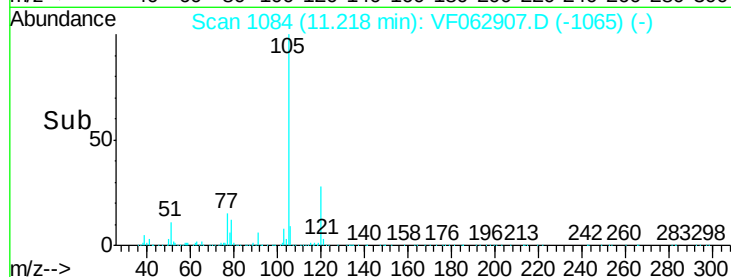
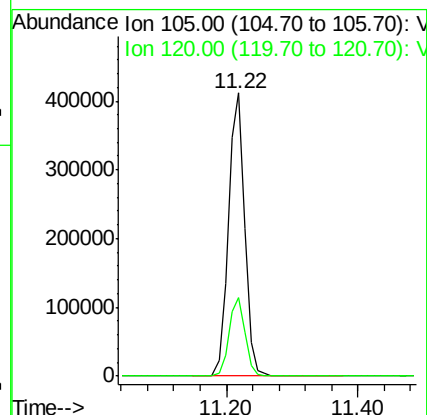
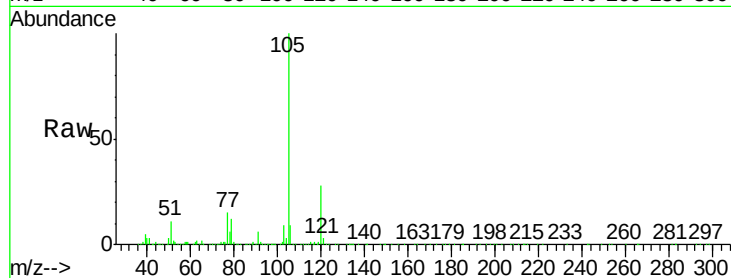
Ion Ratio Lower Upper

105 100

120 27.8 15.1 45.3

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#74

N-ethyl acetate

Concen: 22.498 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion: 43 Resp: 217025

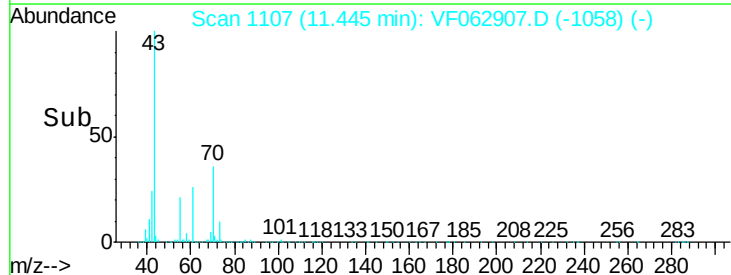
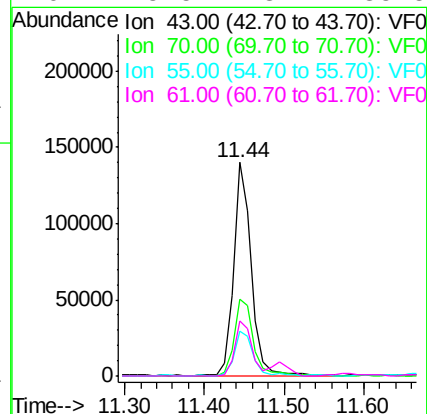
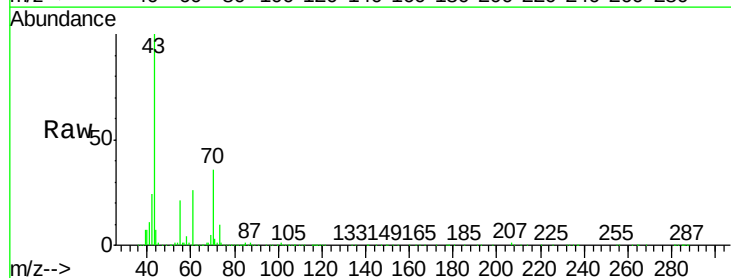
Ion Ratio Lower Upper

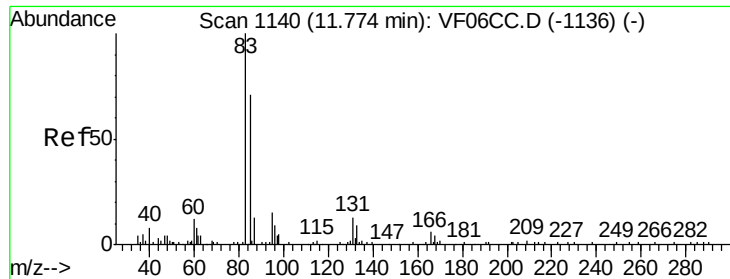
43 100

70 36.3 32.9 49.3

55 20.9 17.3 25.9

61 25.5 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.469 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

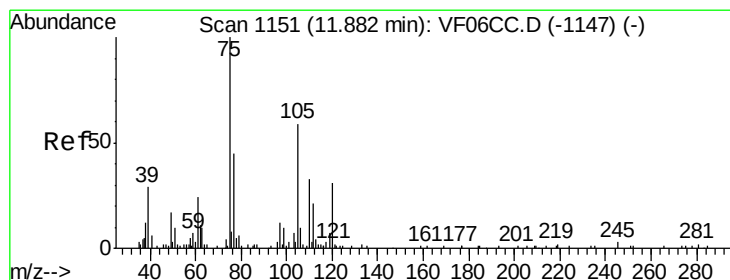
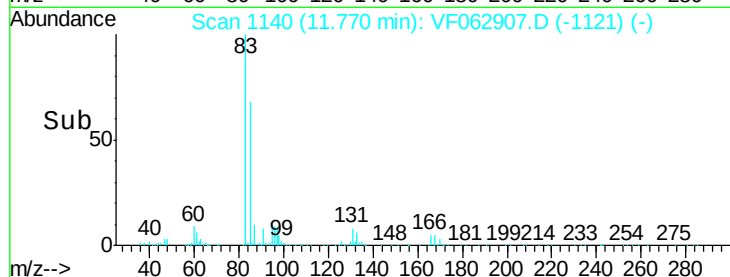
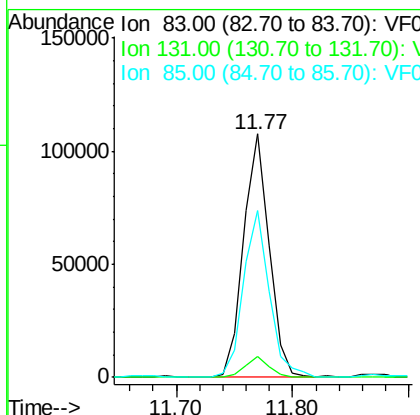
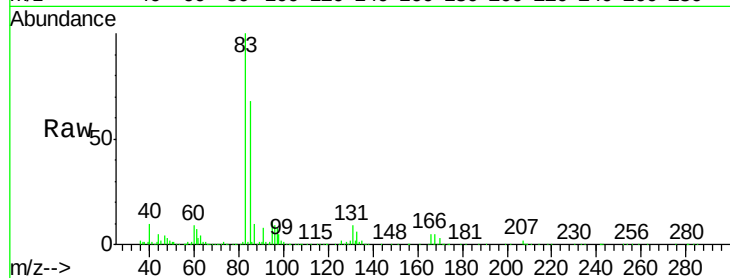
ClientSampleId :

VF0610SBS01

Tot Ion:	83	Resp:	164233
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.9	14.7
85	68.4	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.450 ug/l

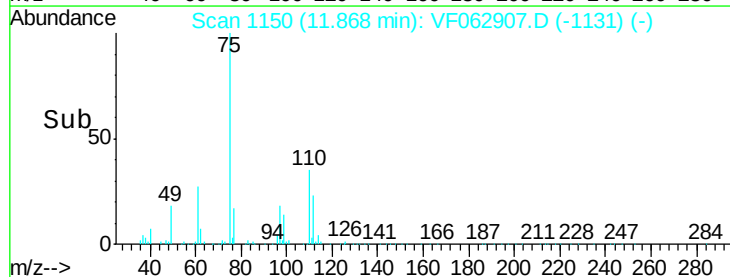
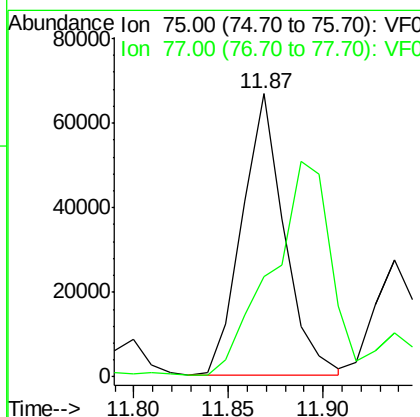
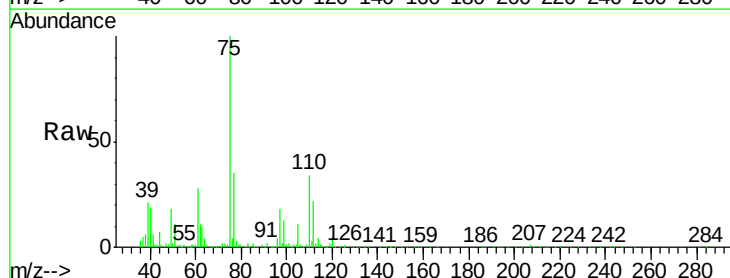
RT: 11.87 min Scan# 1150

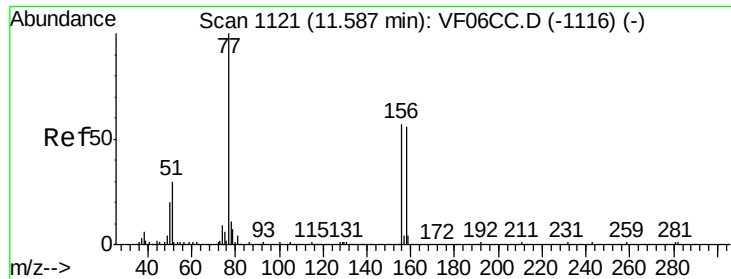
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	75	Resp:	103926
Ion Ratio	Lower	Upper	
75	100		
77	35.4	20.1	60.2





#77

Bromobenzene

Concen: 20.011 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

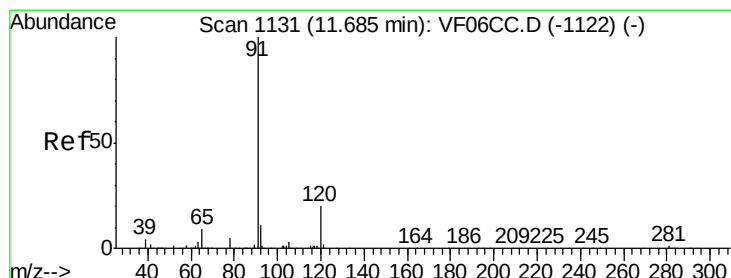
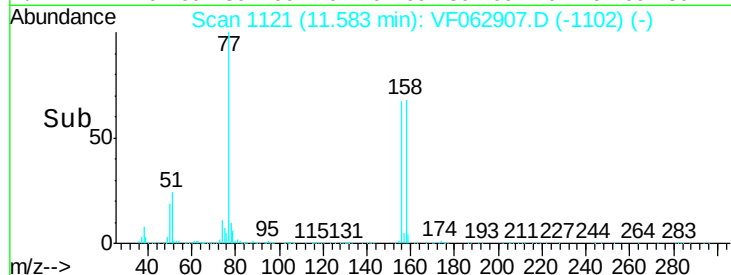
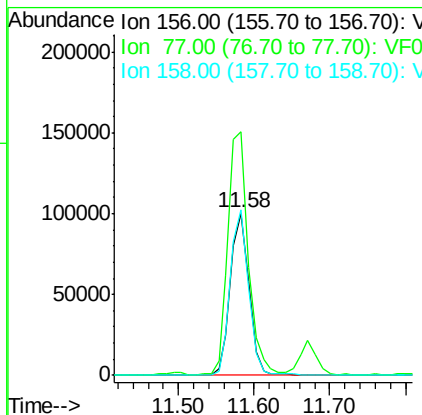
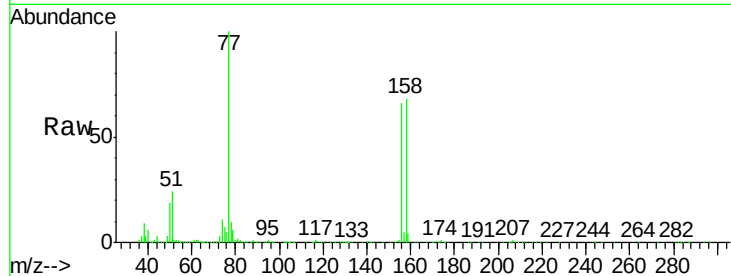
ClientSampleId :

VF0610SBS01

Tot Ion:	156	Resp:	172087
Ion Ratio	Lower	Upper	
156	100		
77	150.5	64.2	192.6
158	102.2	50.3	151.0

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#78

n-propylbenzene

Concen: 20.994 ug/l

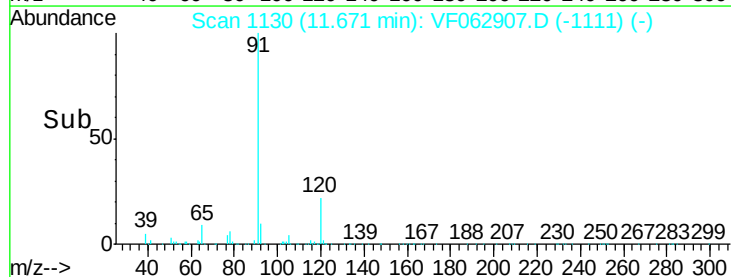
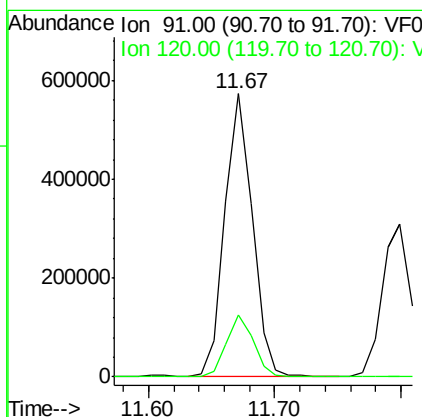
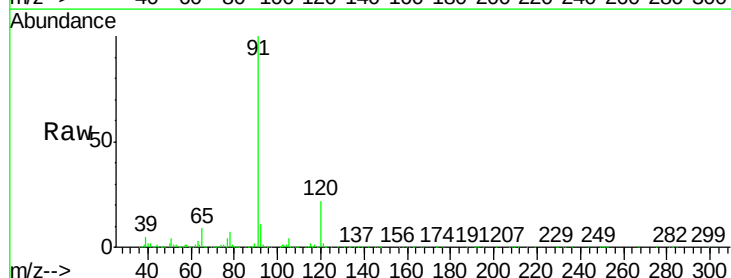
RT: 11.67 min Scan# 1130

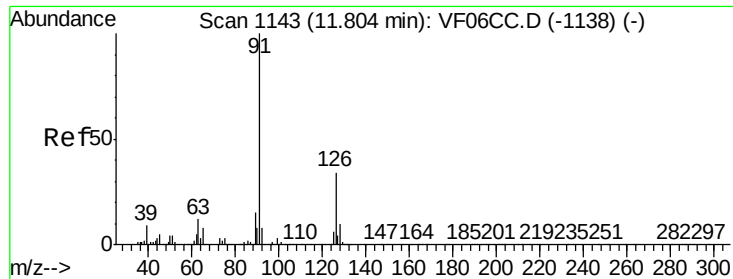
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	91	Resp:	867619
Ion Ratio	Lower	Upper	
91	100		
120	21.8	12.8	38.4





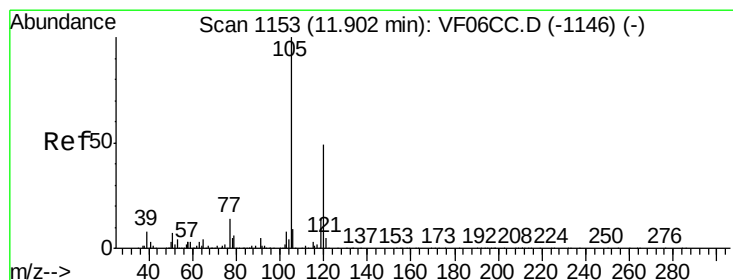
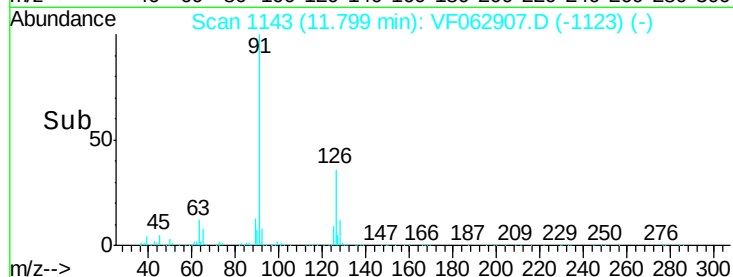
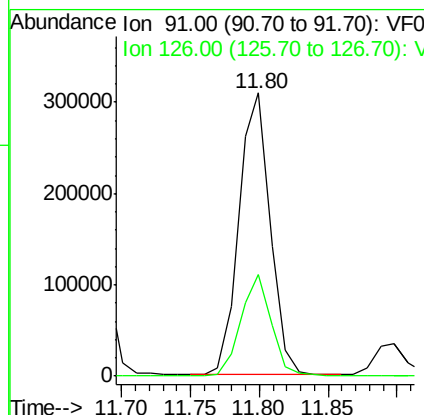
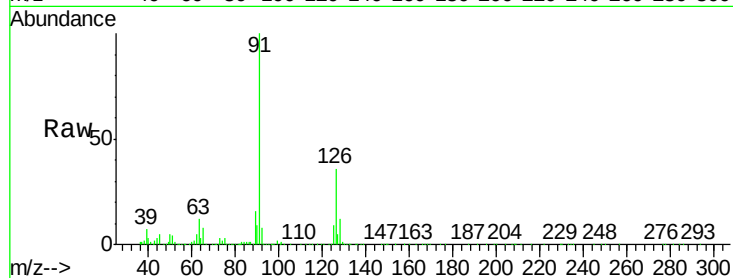
#79
 2-Chlorotoluene
 Concen: 20.687 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	489174		
126	36.1	17.8	53.3	

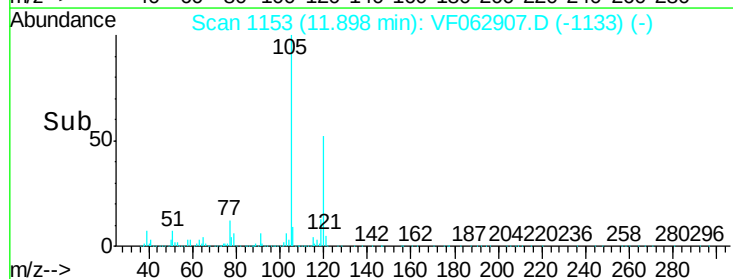
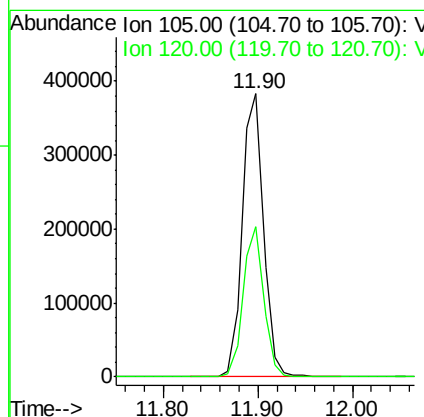
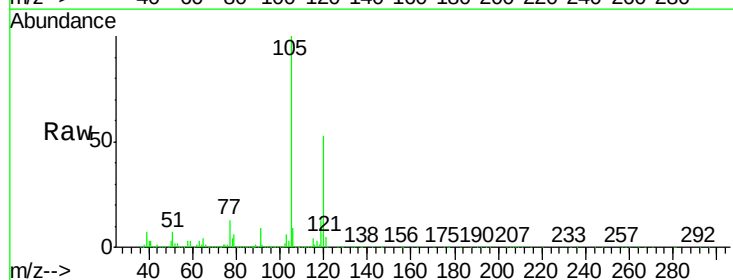
Manual Integrations
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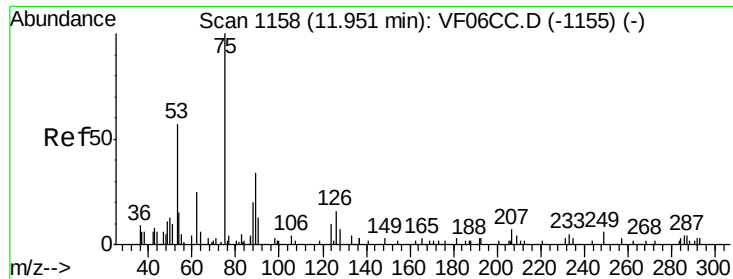
MMDadoda
 6/11/2019 2:54:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.186 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	592999		
120	53.0	28.7	86.1	





#81

trans-1,4-Dichloro-2-butene

Concen: 21.726 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

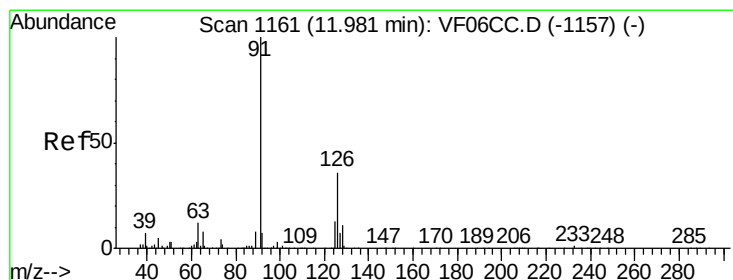
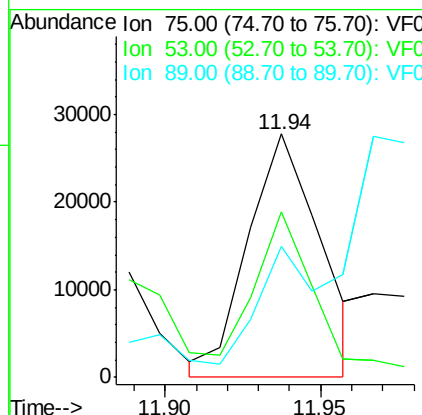
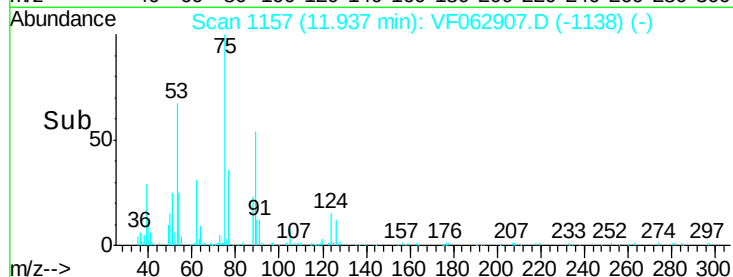
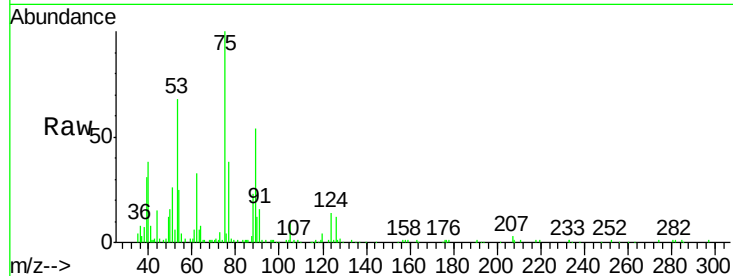
ClientSampleId :

VF0610SBS01

Tot Ion:	75	Resp:	44565
Ion Ratio	Lower	Upper	
75	100		
53	67.8	43.5	65.3#
89	53.8	34.3	51.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.387 ug/l

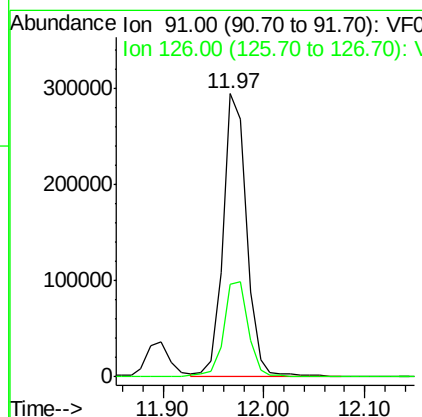
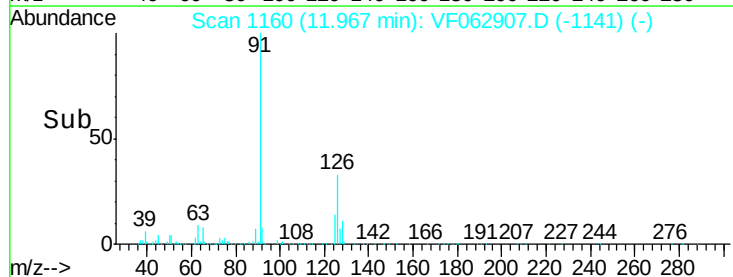
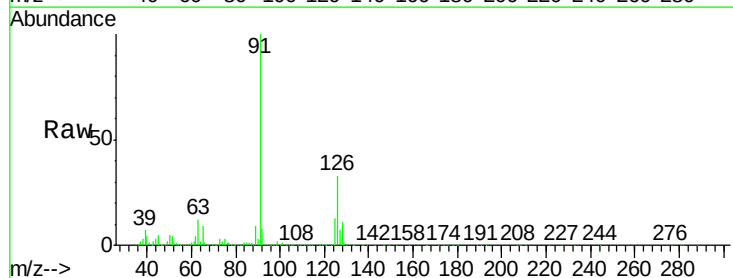
RT: 11.97 min Scan# 1160

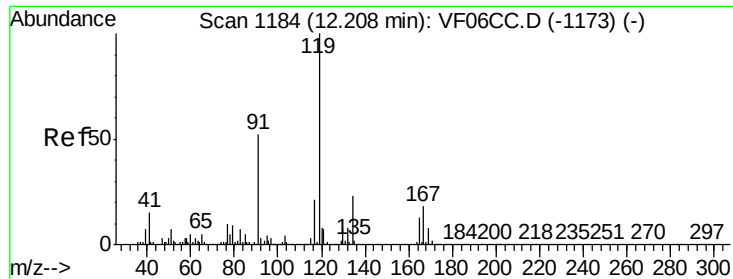
Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	91	Resp:	473770
Ion Ratio	Lower	Upper	
91	100		
126	32.8	19.1	57.1





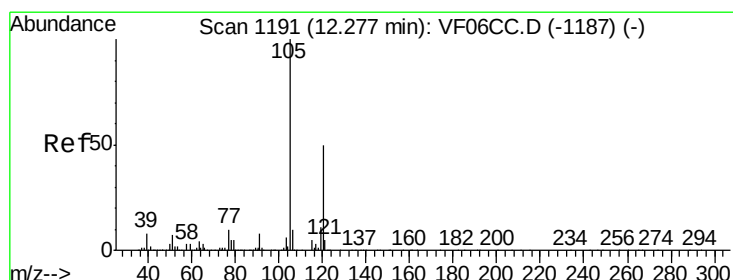
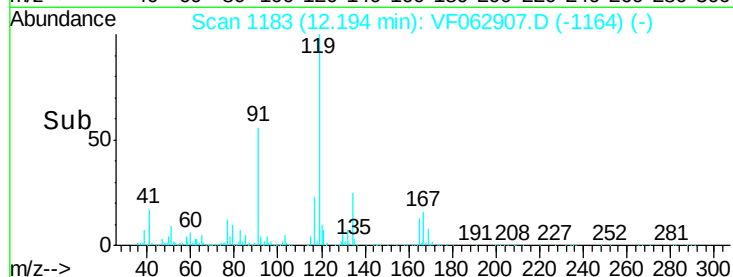
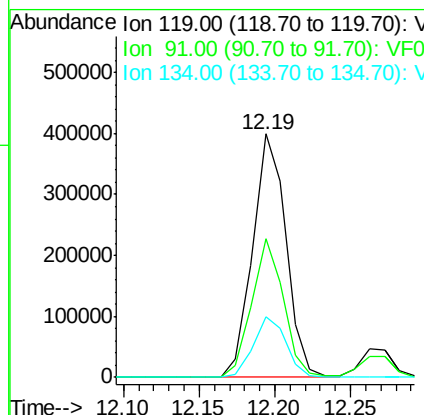
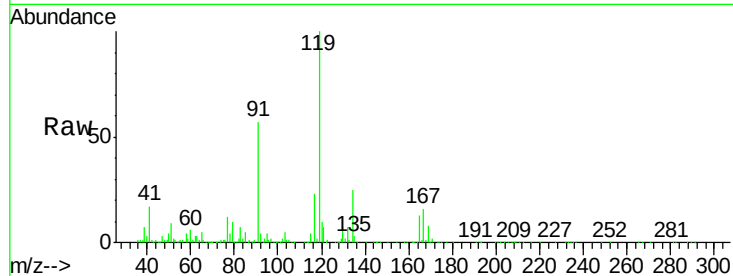
#83
tert-Butylbenzene
Concen: 22.195 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	615581		
91	56.9	28.9	86.7	
134	24.9	14.3	42.9	

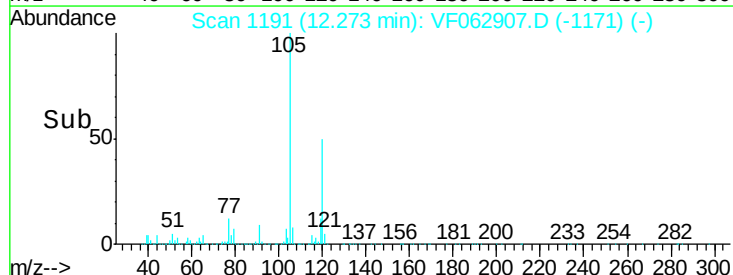
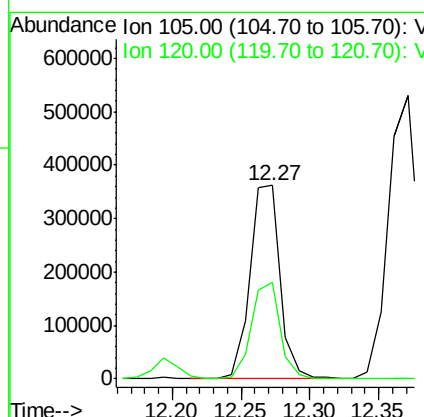
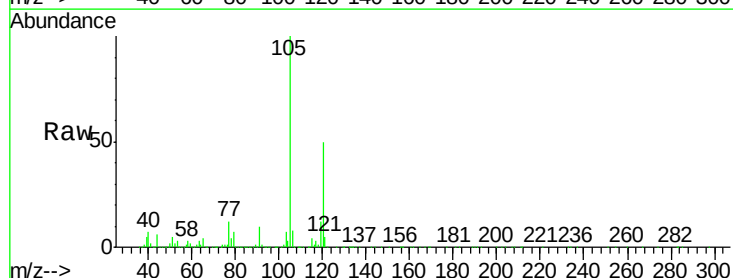
Manual Integrations
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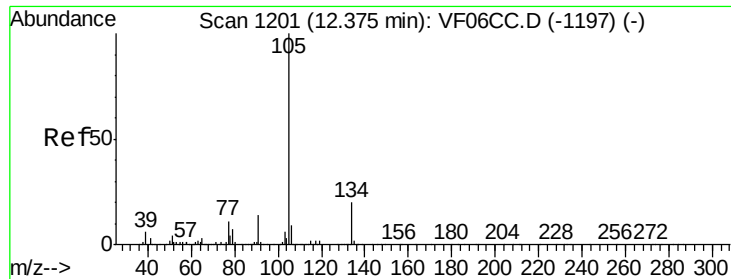
MMDadoda
6/11/2019 2:54:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.879 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	554085		
120	50.0	27.1	81.3	





#85

sec-Butylbenzene

Concen: 22.225 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:105 Resp: 812249

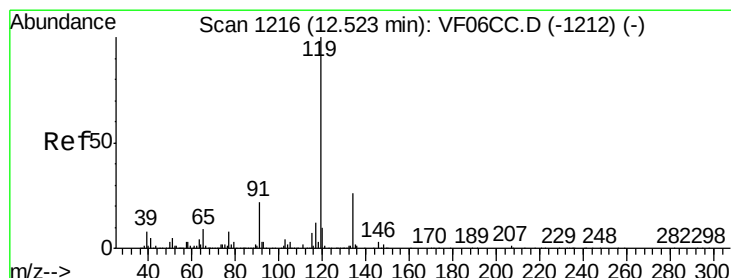
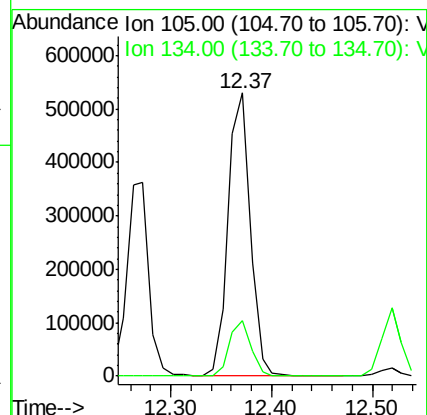
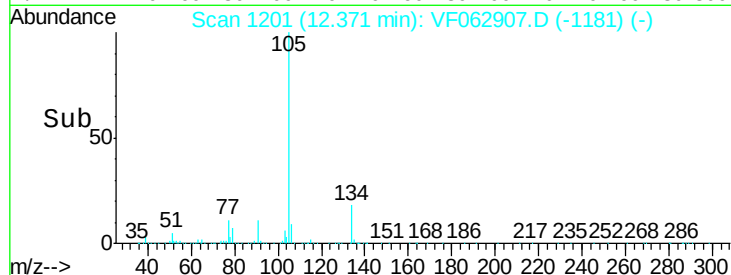
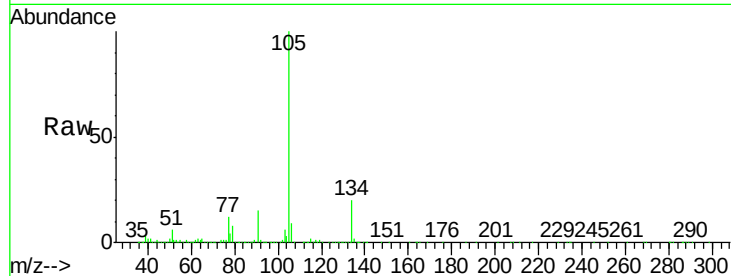
Ion Ratio Lower Upper

105 100

134 19.5 10.5 31.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.462 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

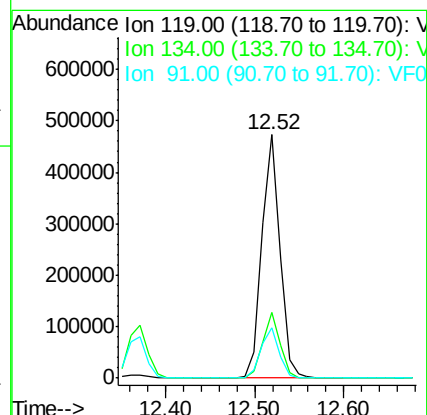
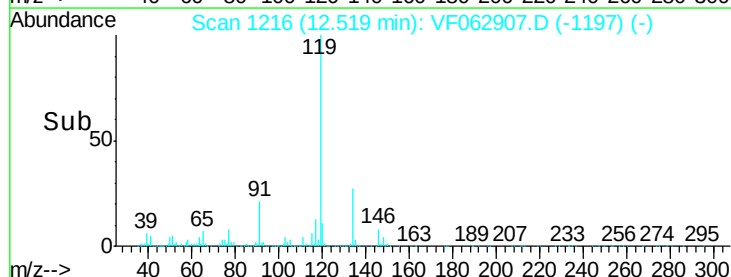
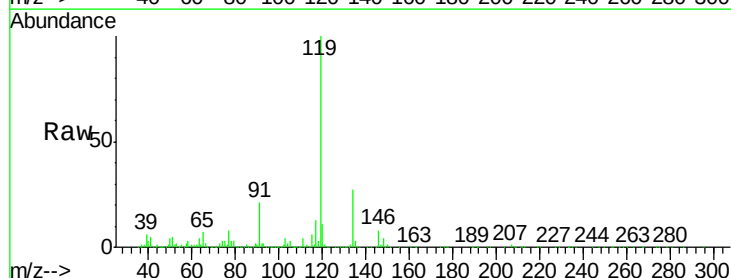
Tgt Ion:119 Resp: 652870

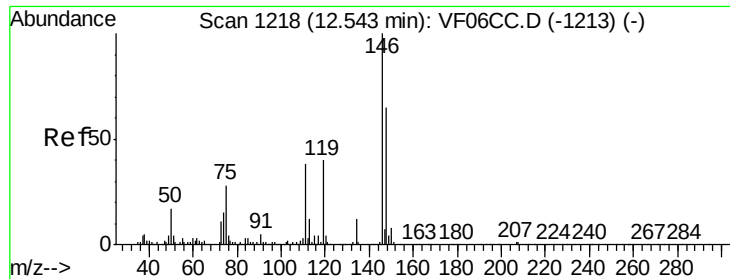
Ion Ratio Lower Upper

119 100

134 27.0 15.5 46.5

91 20.7 10.3 30.9





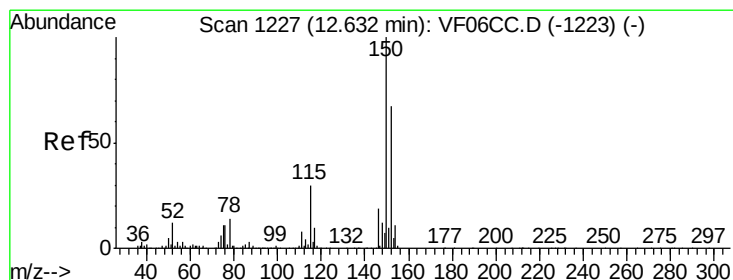
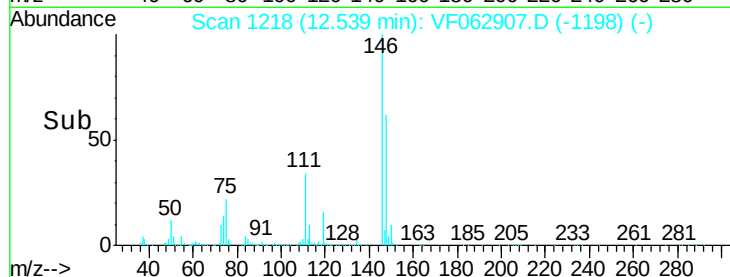
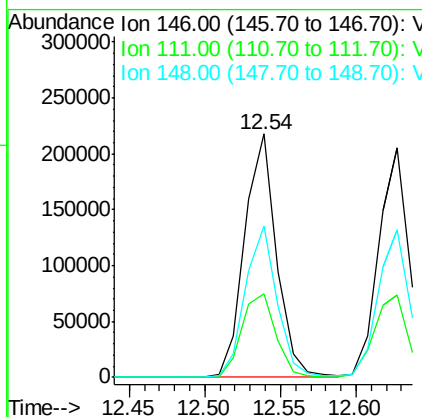
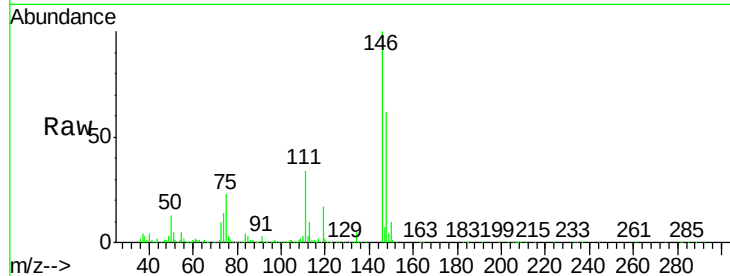
#87
 1,3-Dichlorobenzene
 Concen: 21.076 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	19.6	58.8
148	62.1	34.2	102.5

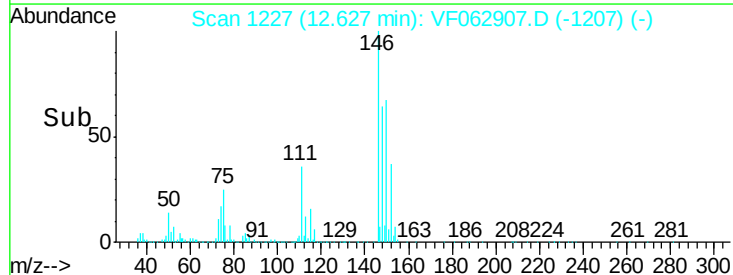
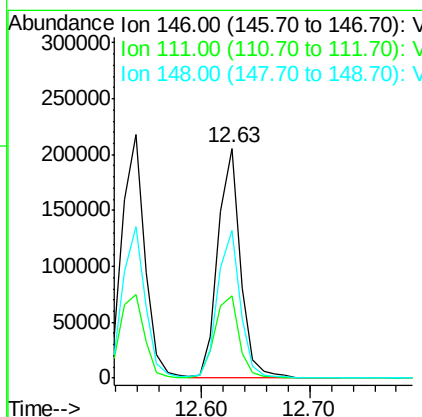
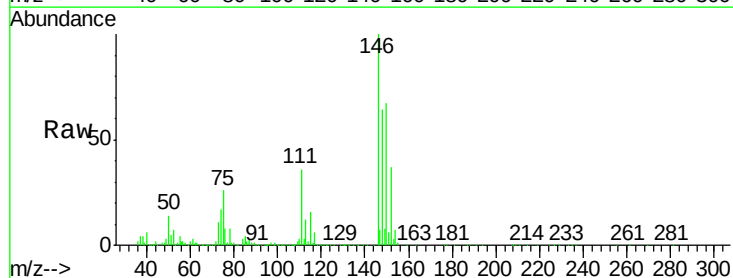
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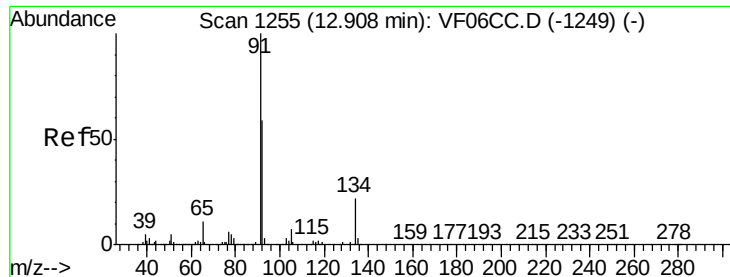
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.065 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.3	60.9
148	64.2	34.0	101.8





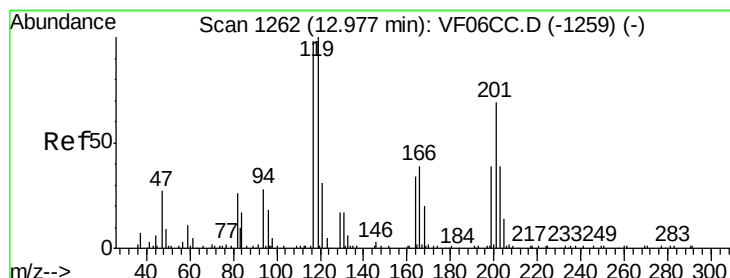
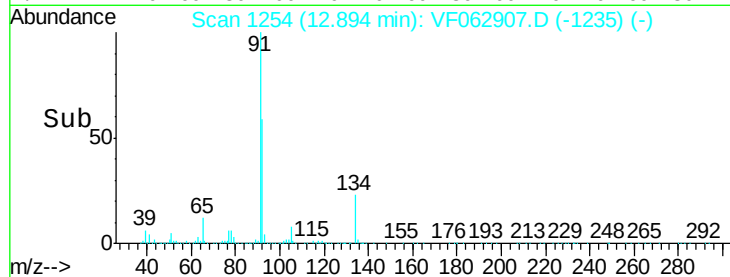
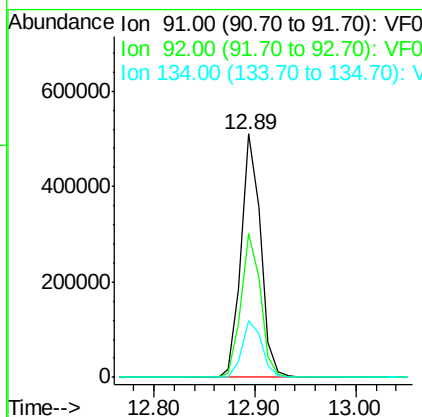
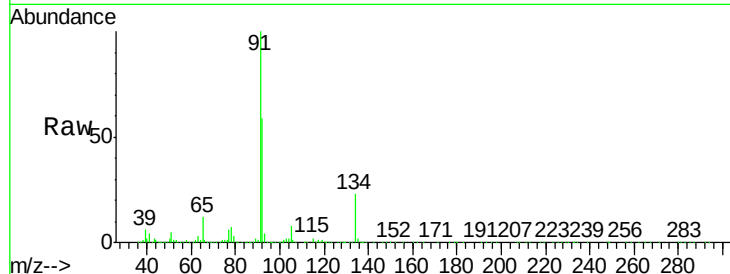
#89
n-Butylbenzene
Concen: 22.437 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	34.2	102.6
134	23.3	15.8	47.3

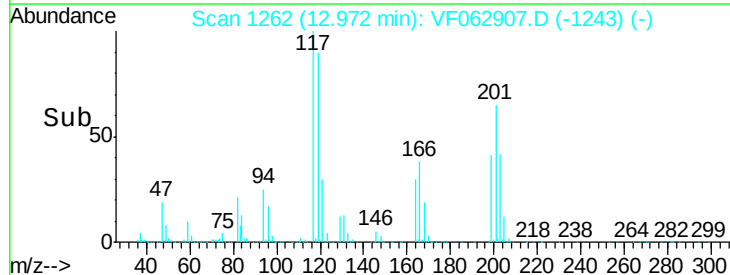
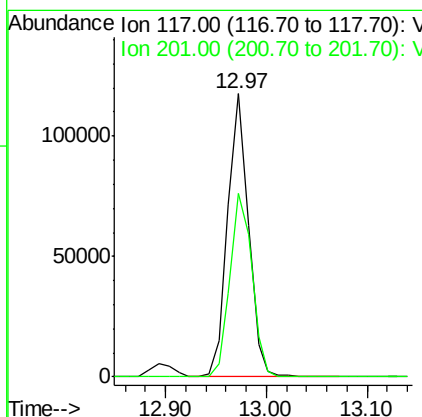
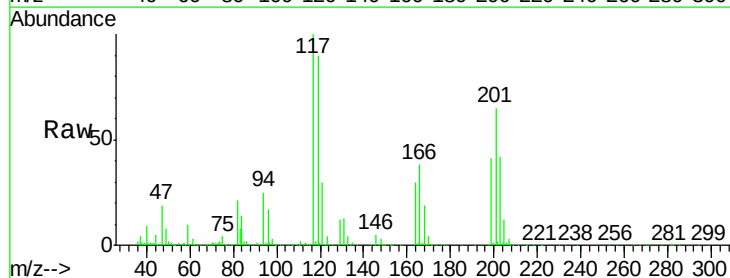
Manual Integrations
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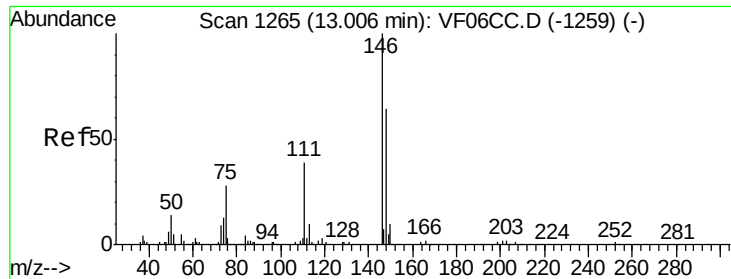
MMDadoda
6/11/2019 2:54:40 PM



#90
Hexachloroethane
Concen: 22.768 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062907.D
Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.8	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 21.228 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

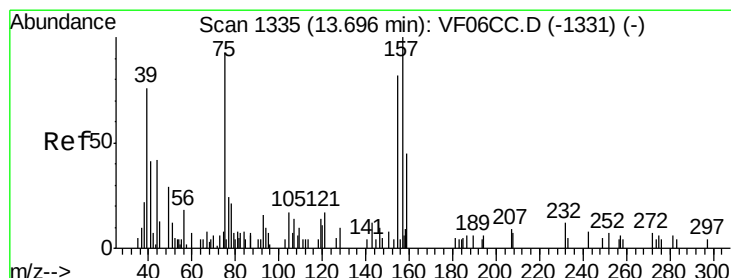
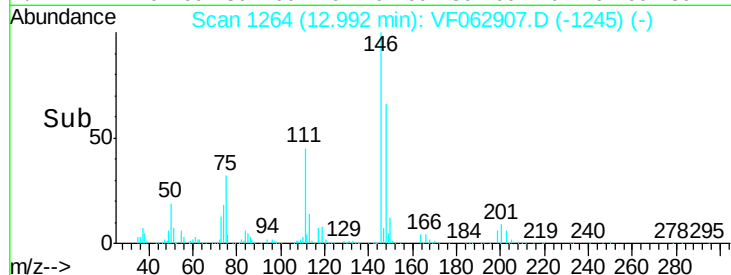
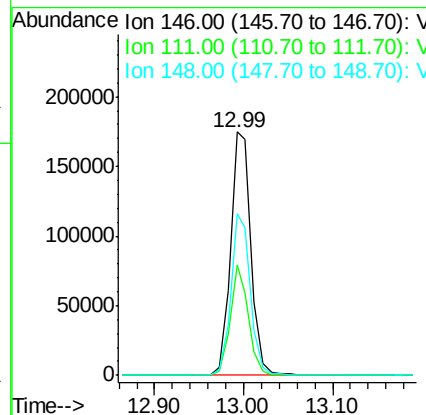
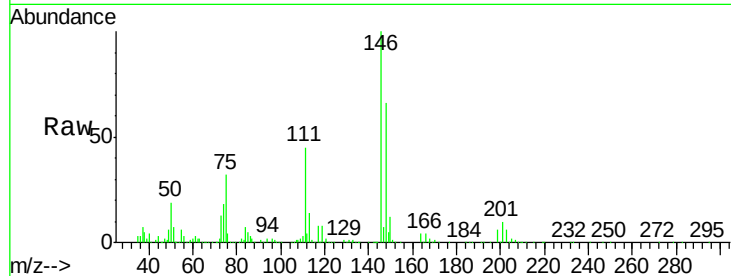
ClientSampleId :

VF0610SBS01

Tot Ion:	146	Resp:	282988
Ion Ratio	Lower	Upper	
146	100		
111	45.4	20.4	61.3
148	66.3	34.1	102.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 25.805 ug/l

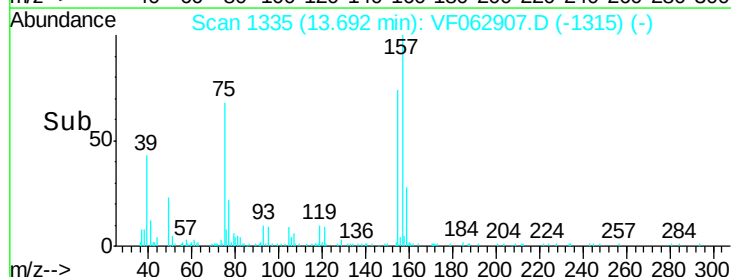
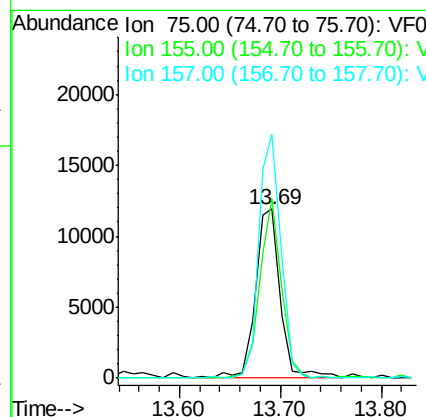
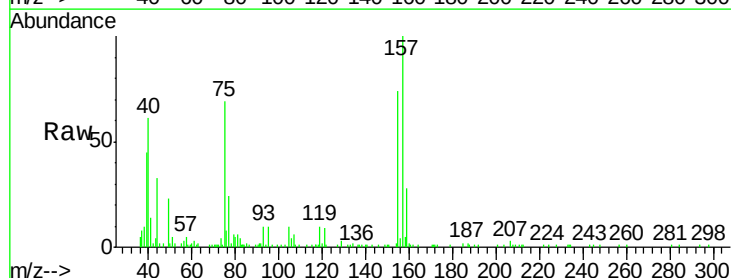
RT: 13.69 min Scan# 1335

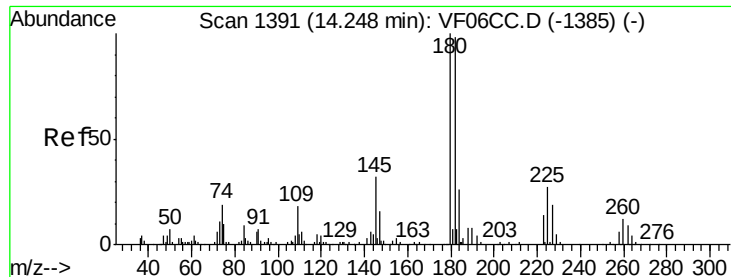
Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	75	Resp:	20549
Ion Ratio	Lower	Upper	
75	100		
155	106.0	51.7	155.1
157	144.0	66.8	200.6





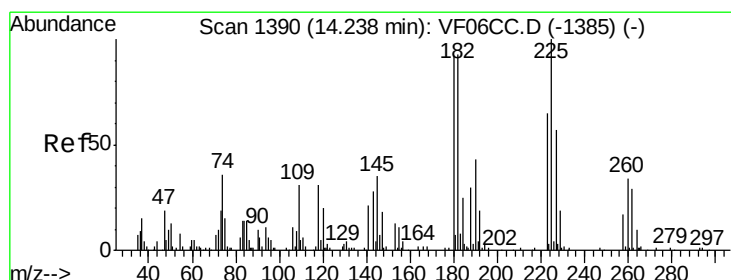
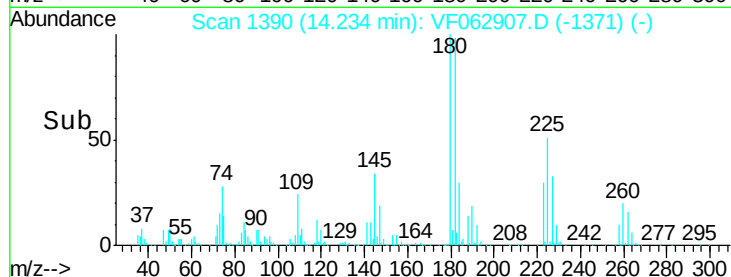
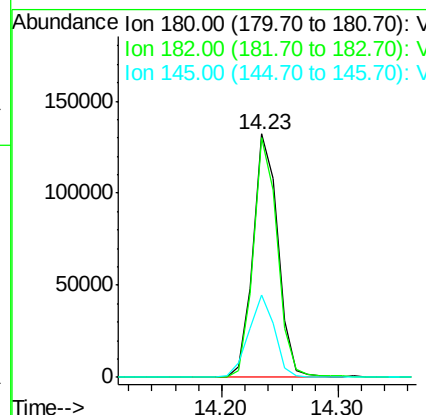
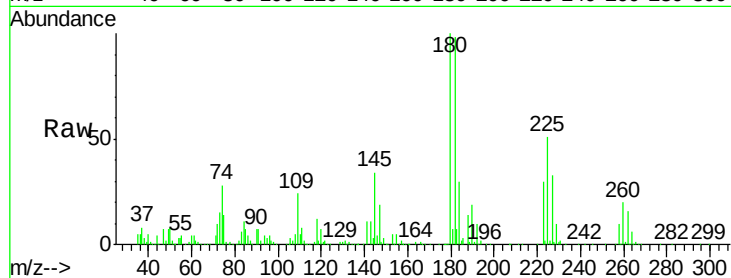
#93
 1,2,4-Trichlorobenzene
 Concen: 21.500 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196786		
182	98.3	50.3	150.9	
145	33.7	15.4	46.2	

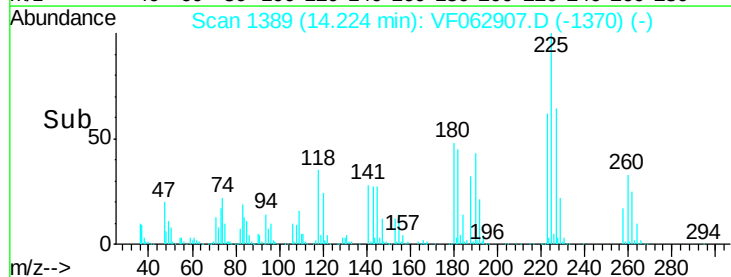
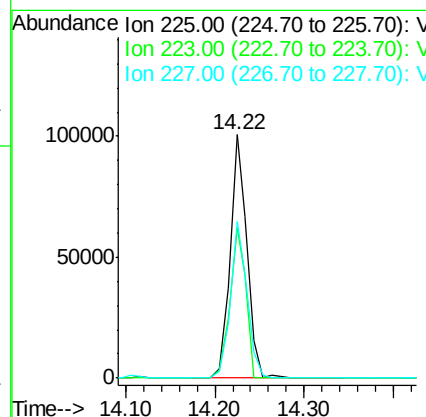
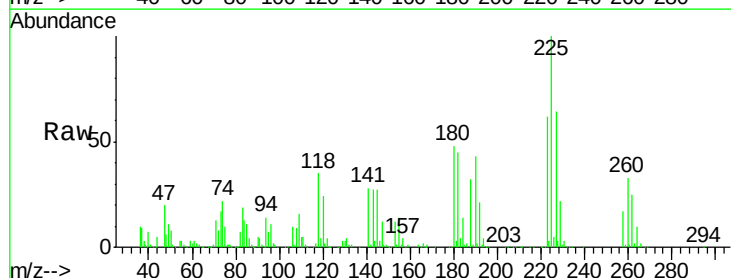
Manual Integrations
 APPROVED

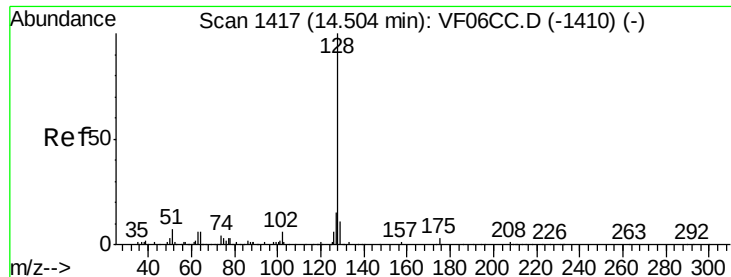
MMDadoda
 6/11/2019 2:54:40 PM



#94
 Hexachlorobutadiene
 Concen: 21.250 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062907.D
 Acq: 10 Jun 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134556		
223	61.7	30.8	92.4	
227	64.4	31.9	95.5	





#95

Naphthalene

Concen: 21.742 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Instrument :

MSVOA_F

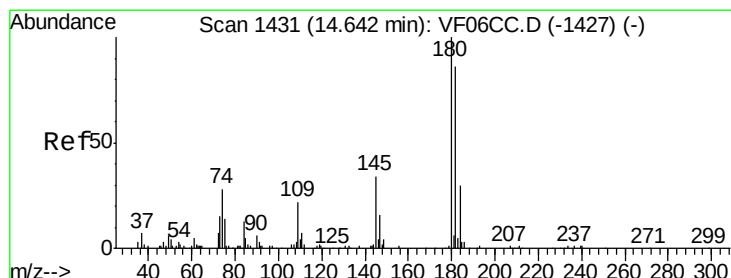
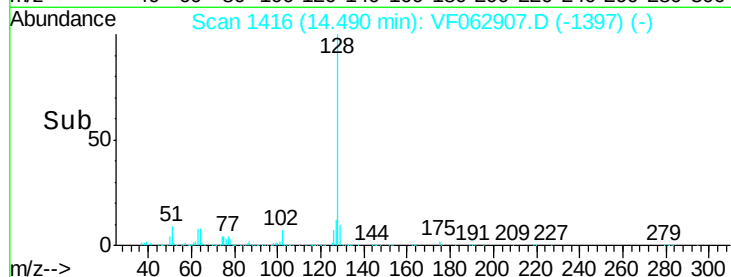
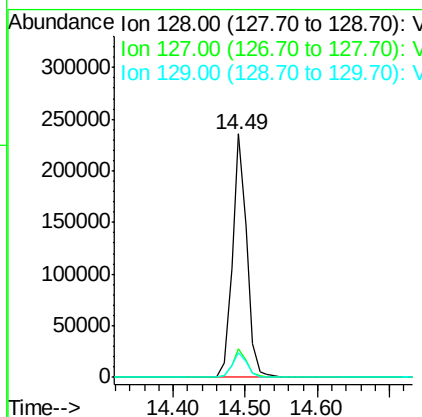
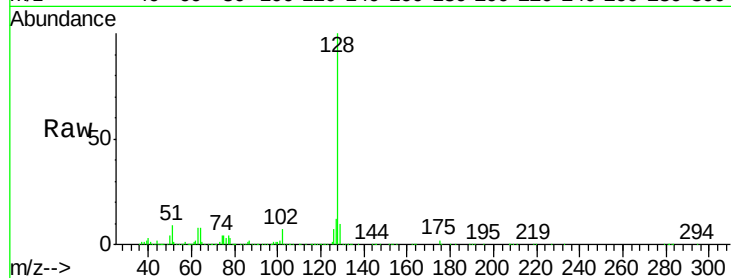
ClientSampleId :

VF0610SBS01

Tot Ion:	128	Resp:	326030
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.7	14.5
129	10.3	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:54:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.317 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062907.D

Acq: 10 Jun 2019 15:37

Tgt Ion:	180	Resp:	178106
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.6	145.9
145	29.3	15.7	47.0

