

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070318\
 Data File : VF059407.D
 Acq On : 3 Jul 2018 12:54
 Operator : VA/AP
 Sample : VF0703SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Manual Integrations
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 7/5/2018 12:41:27 PM

Quant Time: Jul 04 00:44:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.00	168	265832	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.73	114	408800	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.88	117	395630	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	256056	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.98	65	163144	47.50	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	4.25	113	146782	49.14	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.67	98	340629	46.06	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.12%	
62) 4-Bromofluorobenzene	11.48	95	200783	48.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	51703	21.288	ug/l	97
3) Chloromethane	1.07	50	30586	18.745	ug/l	96
4) Vinyl Chloride	1.13	62	30787	19.169	ug/l	99
5) Bromomethane	1.33	94	17324	15.631	ug/l	97
6) Chloroethane	1.41	64	15405	19.044	ug/l	96
7) Trichlorofluoromethane	1.51	101	71851m	22.623	ug/l	
8) Diethyl Ether	1.69	74	15433	18.952	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.87	101	34460	18.588	ug/l	91
10) Methyl Iodide	1.94	142	61931	18.319	ug/l	100
11) Tert butyl alcohol	2.66	59	20060	87.733	ug/l	95
12) 1,1-Dichloroethene	1.83	96	32818	20.940	ug/l	87
13) Acrolein	2.06	56	10439	82.820	ug/l	86
14) Allyl chloride	2.16	41	56188	19.099	ug/l	87
15) Acrylonitrile	3.04	53	35296	87.660	ug/l	89
16) Acetone	2.32	43	82781	89.980	ug/l	99
17) Carbon Disulfide	1.86	76	73338	19.893	ug/l #	94
18) Methyl Acetate	2.41	43	33688	21.058	ug/l #	84
19) Methyl tert-butyl Ether	2.50	73	122551	20.964	ug/l	94
20) Methylene Chloride	2.29	84	37679m	14.284	ug/l	
21) trans-1,2-Dichloroethene	2.38	96	34726	20.771	ug/l	95
22) Diisopropyl ether	2.89	45	140190	21.519	ug/l	98
23) Vinyl Acetate	3.29	43	443505	106.894	ug/l	100
24) 1,1-Dichloroethane	2.97	63	84281	20.866	ug/l	98
25) 2-Butanone	4.47	43	114142	108.303	ug/l #	89
26) 2,2-Dichloropropane	3.72	77	58983	21.172	ug/l	95
27) cis-1,2-Dichloroethene	3.59	96	51805	20.409	ug/l	90
28) Bromochloromethane	3.84	49	39432	23.141	ug/l	99
29) Tetrahydrofuran	4.23	42	49129	106.117	ug/l	96
30) Chloroform	3.99	83	130393	22.299	ug/l	98
31) Cyclohexane	3.81	56	54539	20.611	ug/l	94
32) 1,1,1-Trichloroethane	4.23	97	85818	20.055	ug/l	96
36) 1,1-Dichloropropene	4.42	75	76303	21.366	ug/l	94
37) Ethyl Acetate	4.25	43	52213	22.027	ug/l #	89
38) Carbon Tetrachloride	4.13	117	96351	21.379	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.58	83	65380	20.660	ug/l	84
40) Benzene	4.77	78	161613	20.411	ug/l	98
41) Methacrylonitrile	4.88	41	21596	17.728	ug/l #	91
42) 1,2-Dichloroethane	5.08	62	100059	21.626	ug/l	97
43) Isopropyl Acetate	7.08	43	60782	20.433	ug/l #	90
44) Trichloroethene	5.63	130	61404	22.606	ug/l	86
45) 1,2-Dichloropropane	6.37	63	46214	20.428	ug/l	97
46) Dibromomethane	6.21	93	41290	21.028	ug/l	99
47) Bromodichloromethane	6.51	83	104259	21.935	ug/l	90
48) Methyl methacrylate	6.84	41	38807	19.465	ug/l	94
49) 1,4-Dioxane	6.83	88	4242	372.067	ug/l	92
51) 4-Methyl-2-Pentanone	8.37	43	223008	101.194	ug/l	99
52) Toluene	7.74	92	123104	20.777	ug/l	96
53) t-1,3-Dichloropropene	8.39	75	93372	21.552	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	100409	21.336	ug/l	96
55) 1,1,2-Trichloroethane	8.60	97	48557	21.108	ug/l	93
56) Ethyl methacrylate	8.72	69	57412	20.146	ug/l	94
57) 1,3-Dichloropropane	8.97	76	86628	21.957	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.74	63	24031	112.438	ug/l	100
59) 2-Hexanone	9.59	43	193162	107.007	ug/l	98
60) Dibromochloromethane	8.82	129	77848	21.920	ug/l	97
61) 1,2-Dibromoethane	9.10	107	59376	21.282	ug/l	98
64) Tetrachloroethene	8.27	164	61248	23.869	ug/l	95
65) Chlorobenzene	9.91	112	161321	22.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.03	131	69502	21.920	ug/l	92
67) Ethyl Benzene	10.00	91	282838	22.742	ug/l	97
68) m/p-Xylenes	10.23	106	202658	45.782	ug/l	98
69) o-Xylene	10.80	106	109543	22.125	ug/l	93
70) Styrene	10.87	104	172180	22.829	ug/l	98
71) Bromoform	10.86	173	48786	22.448	ug/l	89
73) Isopropylbenzene	11.20	105	335343	22.480	ug/l	99
74) N-amyl acetate	11.43	43	117959	21.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.76	83	73859	19.605	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	61150	21.518	ug/l	95
77) Bromobenzene	11.57	156	86673	20.942	ug/l	84
78) n-propylbenzene	11.66	91	391529	21.855	ug/l	96
79) 2-Chlorotoluene	11.79	91	233392	21.324	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	287791	22.024	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	34358	20.313	ug/l	95
82) 4-Chlorotoluene	11.97	91	259047	22.096	ug/l	94
83) tert-Butylbenzene	12.19	119	294714	22.551	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	304624	22.135	ug/l	94
85) sec-Butylbenzene	12.36	105	394211	22.756	ug/l	95
86) p-Isopropyltoluene	12.52	119	323089	22.224	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	182098	24.284	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	157798	21.350	ug/l	95
89) n-Butylbenzene	12.89	91	339038	22.972	ug/l	96
90) Hexachloroethane	12.97	117	78923	21.782	ug/l	85
91) 1,2-Dichlorobenzene	13.00	146	166474	22.157	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16032	19.197	ug/l	68

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ClientSampleId :
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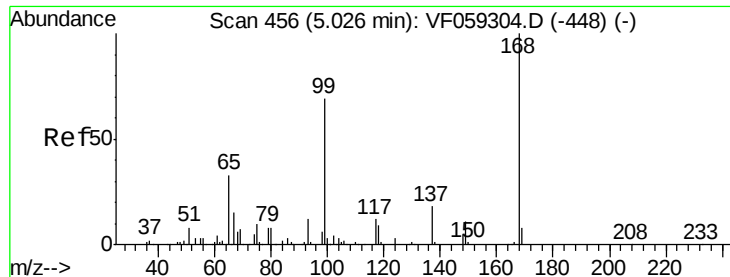
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	126705	22.807	ug/l	97
94) Hexachlorobutadiene	14.23	225	73866	23.804	ug/l	94
95) Naphthalene	14.51	128	248011	21.337	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	116741	22.182	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.00 min Scan# 453

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:168 Resp: 265832

Ion Ratio Lower Upper

168 100

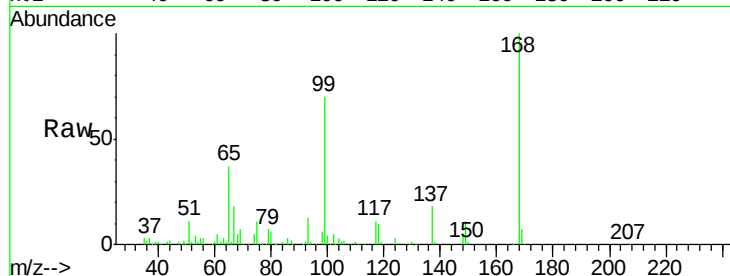
99 69.6 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.00

80000

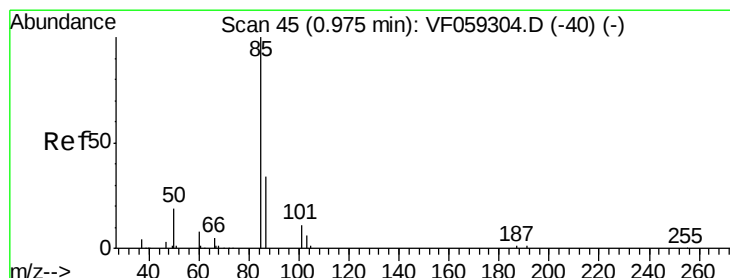
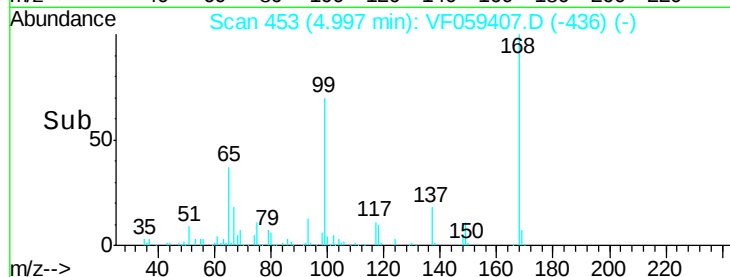
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.288 ug/l

RT: 0.98 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059407.D

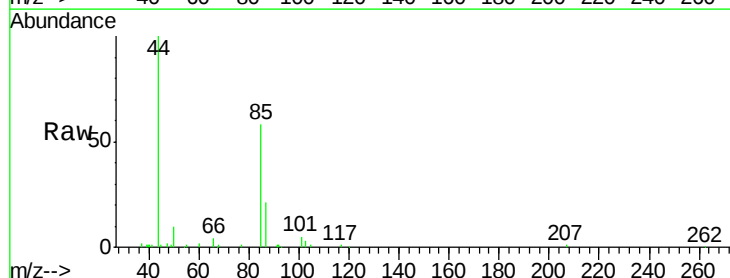
Acq: 3 Jul 2018 12:54

Tgt Ion: 85 Resp: 51703

Ion Ratio Lower Upper

85 100

87 35.8 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

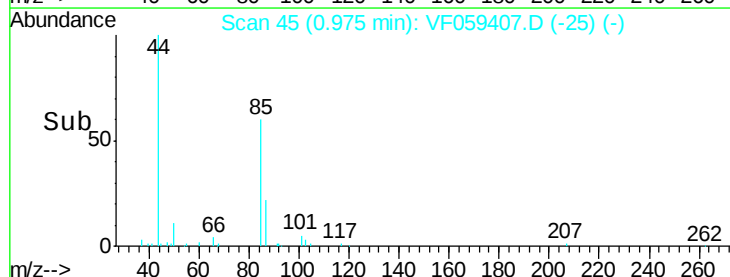
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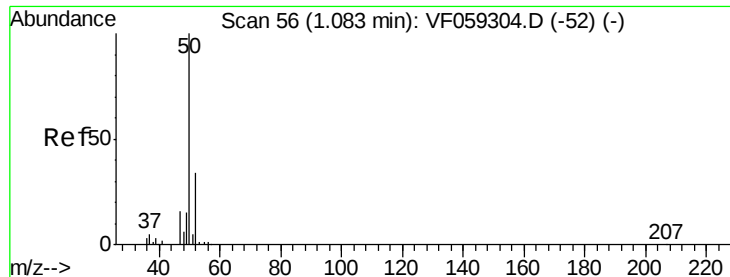
10000

5000

0

Time-->





#3

Chloromethane

Concen: 18.745 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 50 Resp: 30586

Ion Ratio Lower Upper

50 100

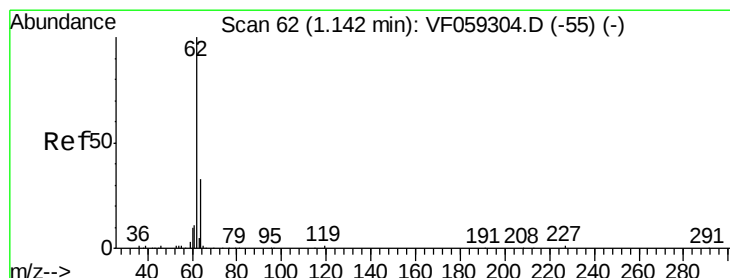
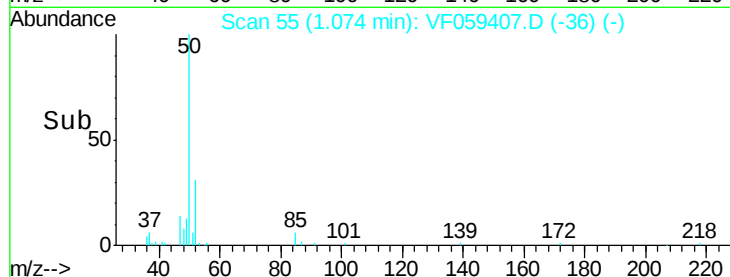
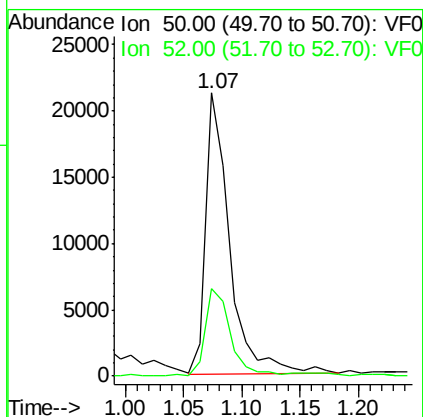
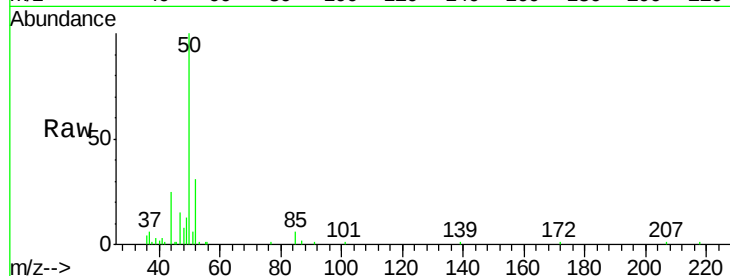
52 31.0 26.7 40.1

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#4

Vinyl Chloride

Concen: 19.169 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059407.D

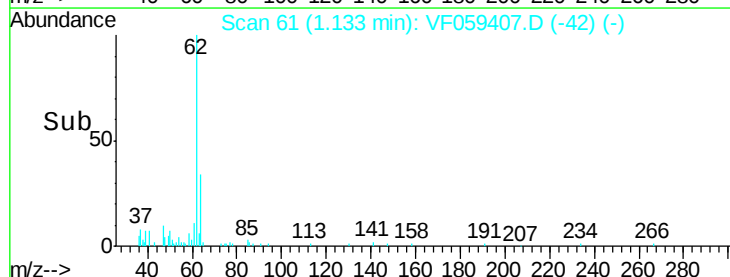
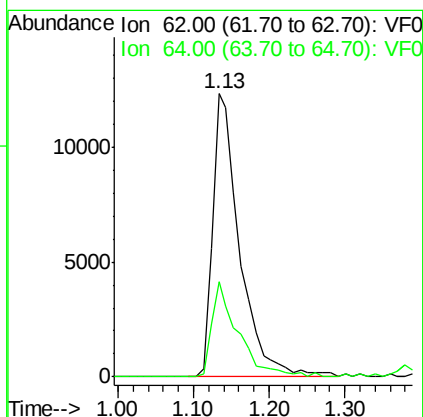
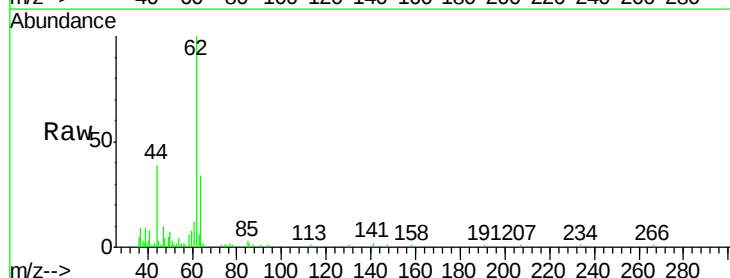
Acq: 3 Jul 2018 12:54

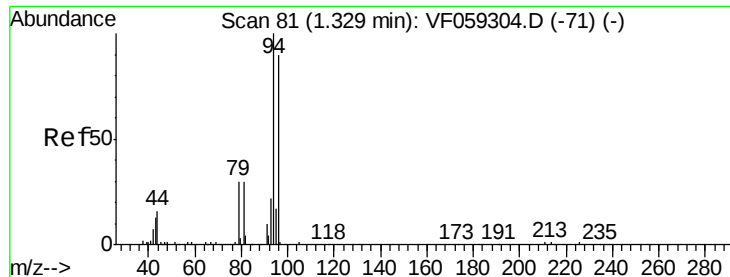
Tgt Ion: 62 Resp: 30787

Ion Ratio Lower Upper

62 100

64 33.7 26.3 39.5





#5

Bromomethane

Concen: 15.631 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 94 Resp: 17324

Ion Ratio Lower Upper

94 100

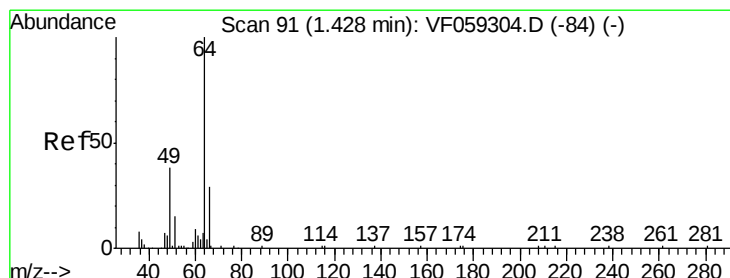
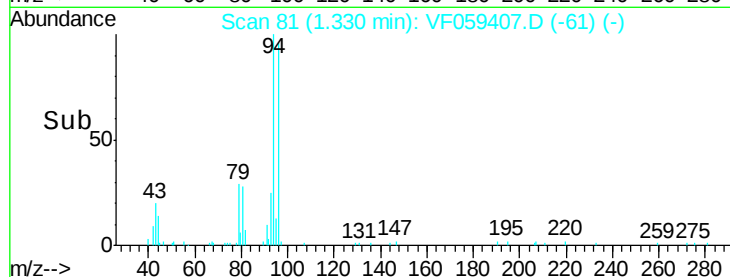
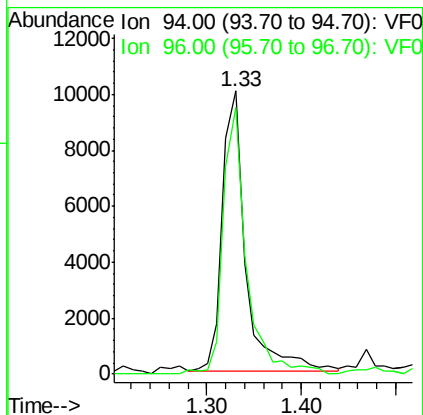
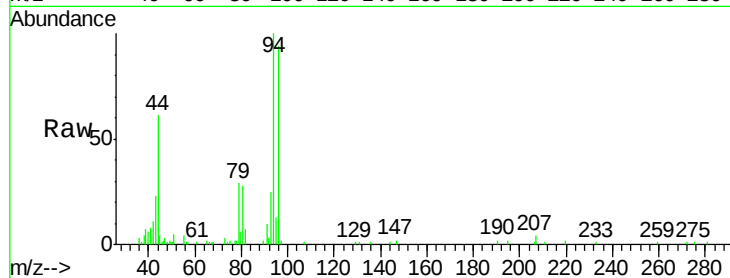
96 94.1 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 19.044 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.02 min

Lab File: VF059407.D

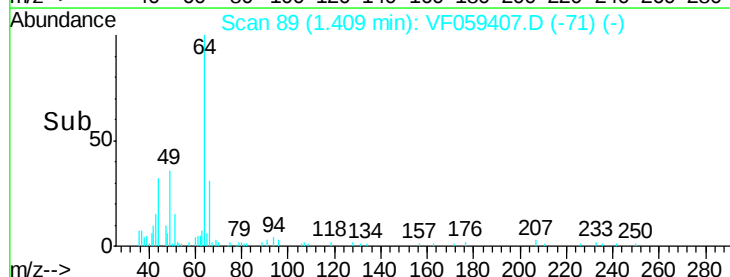
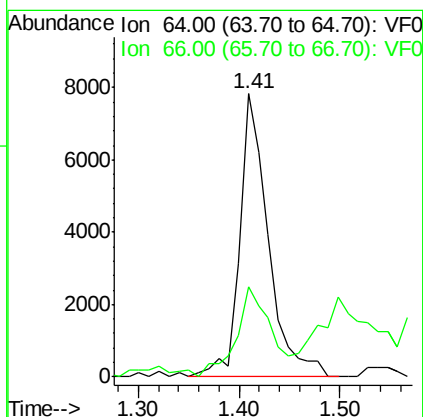
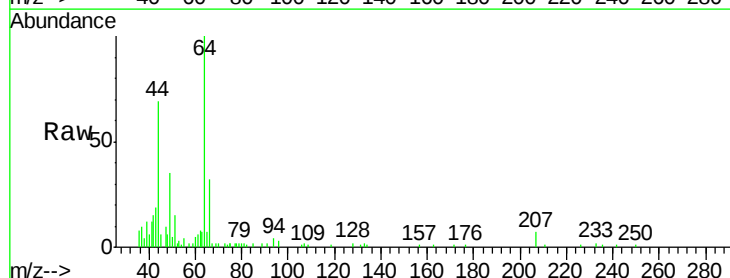
Acq: 3 Jul 2018 12:54

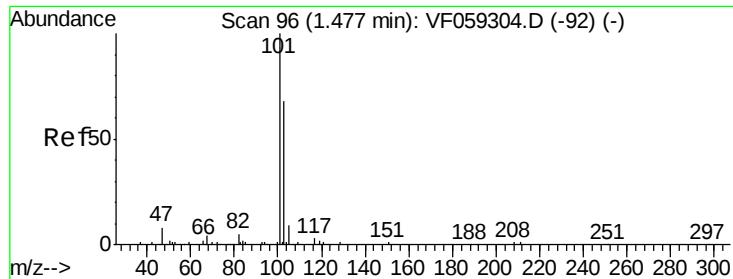
Tgt Ion: 64 Resp: 15405

Ion Ratio Lower Upper

64 100

66 31.9 23.9 35.9





#7

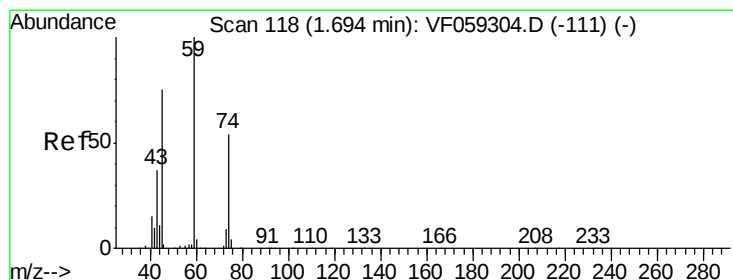
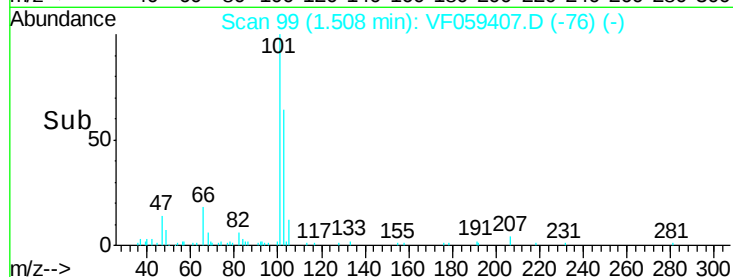
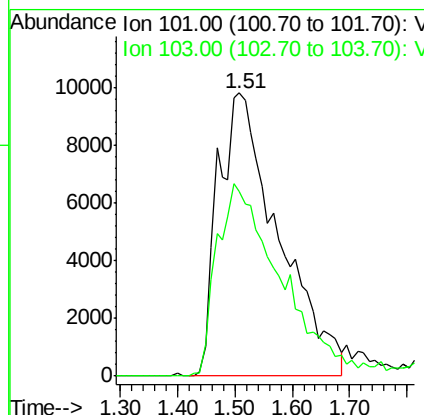
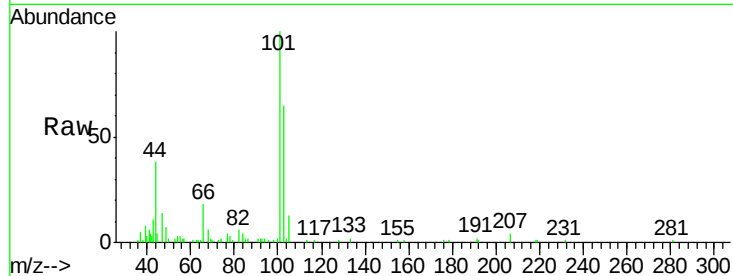
Trichlorofluoromethane
 Concen: 22.623 ug/l m
 RT: 1.51 min Scan# 99
 Delta R.T. 0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
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 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	54.2	81.2

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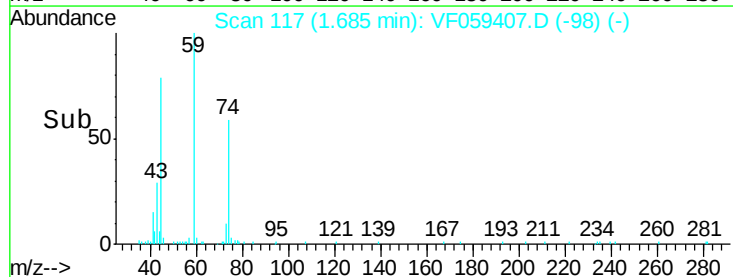
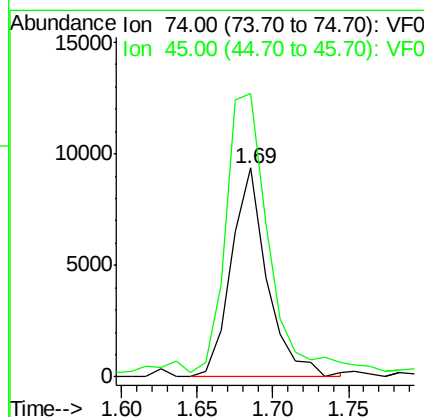
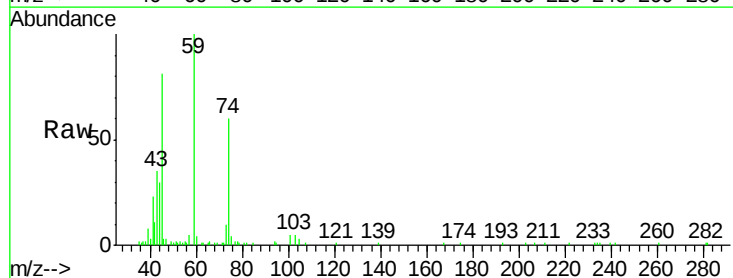
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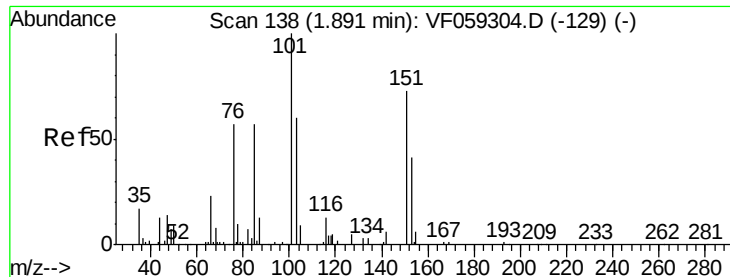


#8

Diethyl Ether
 Concen: 18.952 ug/l
 RT: 1.69 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.7	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.588 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

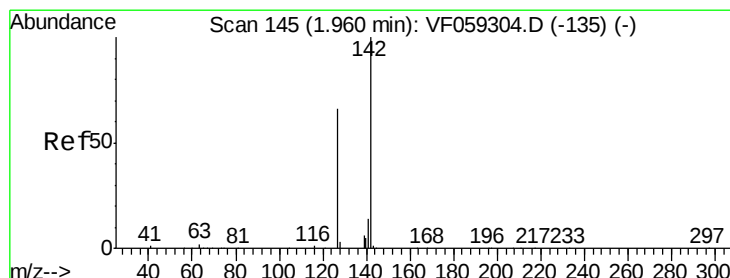
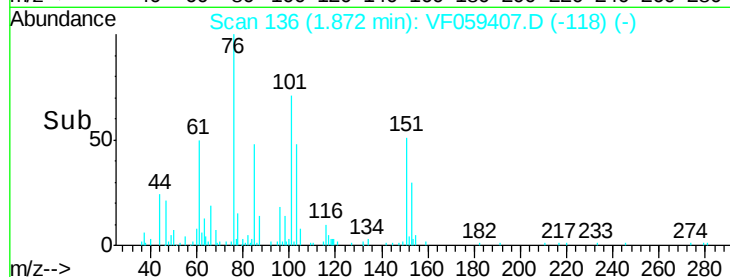
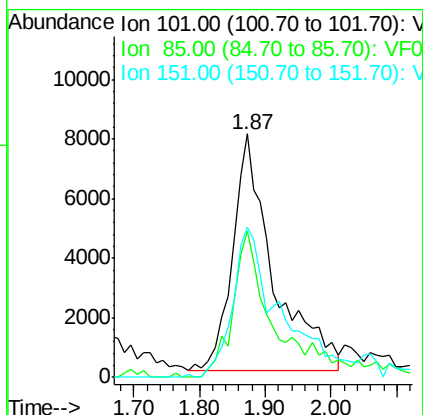
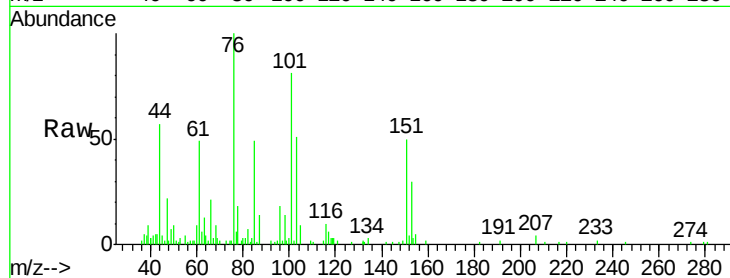
ClientSampleId :

VF0703SBS01

Tot Ion:	101	Resp:	34460
Ion Ratio	Lower	Upper	
101	100		
85	60.3	44.5	66.7
151	61.6	56.8	85.2

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#10

Methyl Iodide

Concen: 18.319 ug/l

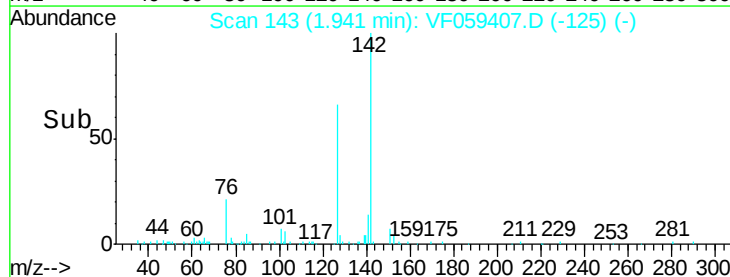
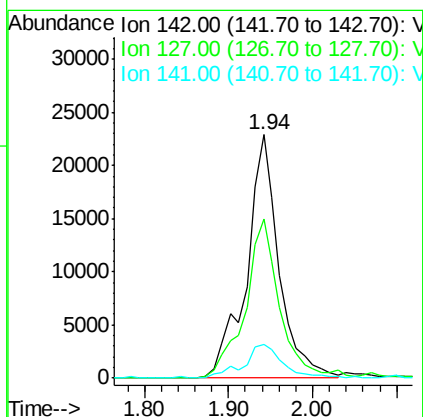
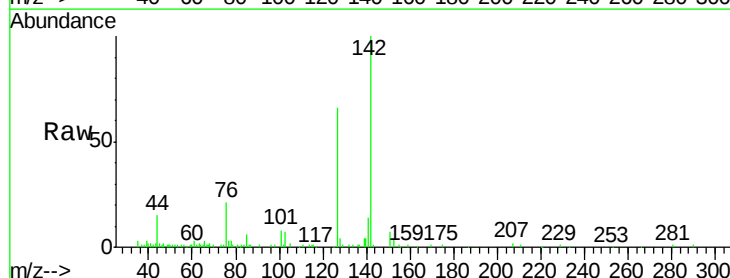
RT: 1.94 min Scan# 143

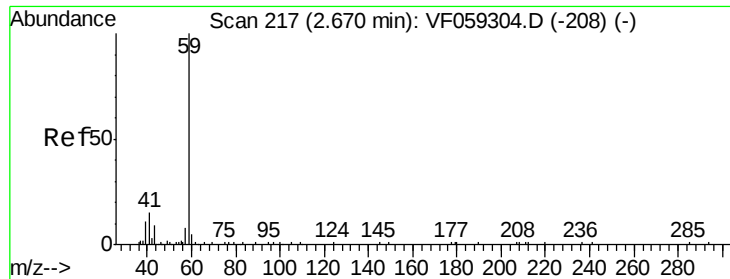
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	142	Resp:	61931
Ion Ratio	Lower	Upper	
142	100		
127	65.6	52.5	78.7
141	13.8	11.5	17.3





#11

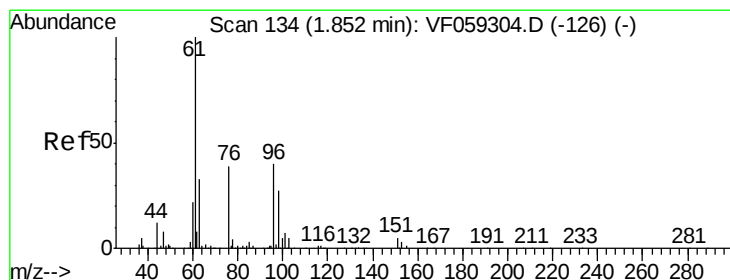
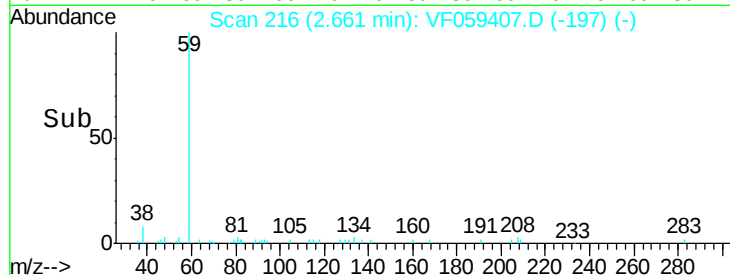
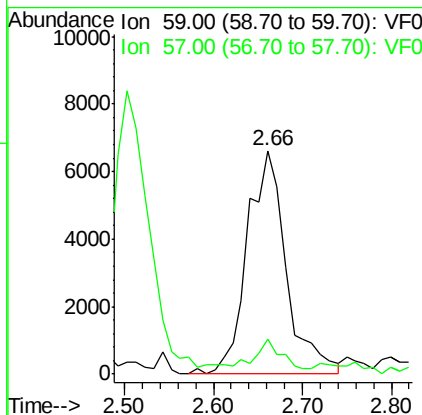
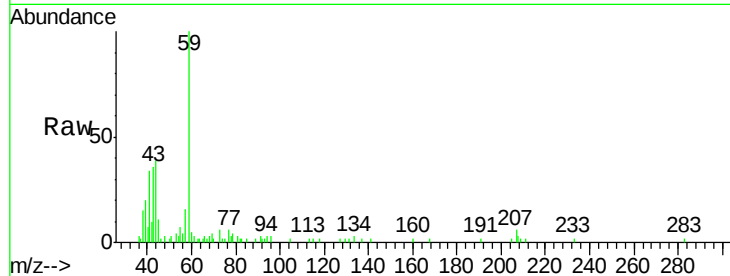
Tert butyl alcohol
Concen: 87.733 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.8	11.0	16.4

Manual Integrations
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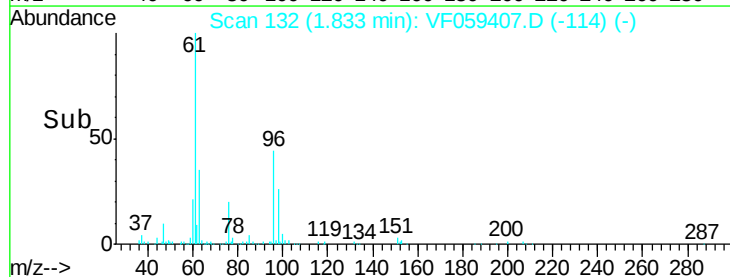
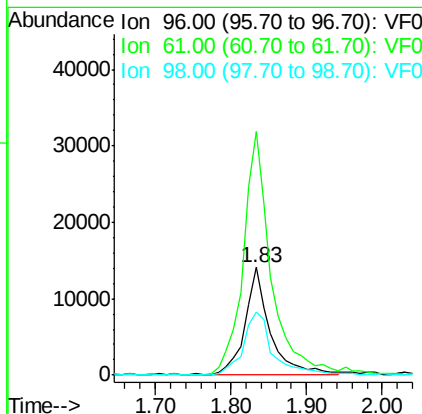
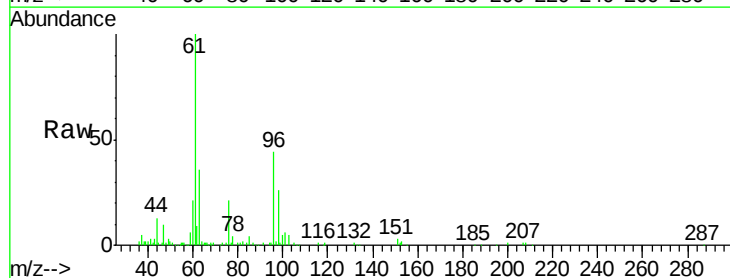
apatel
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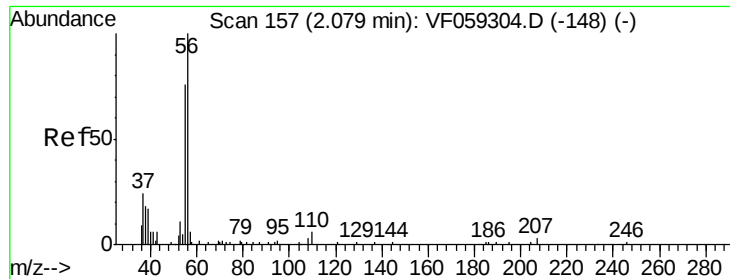


#12

1,1-Dichloroethene
Concen: 20.940 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	226.6	201.1	301.7
98	59.3	53.9	80.9





#13

Acrolein

Concen: 82.820 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tot Ion: 56 Resp: 10439

Ion Ratio Lower Upper

56 100

55 65.7 62.4 93.6

Instrument :

MSVOA_F

ClientSampleId :

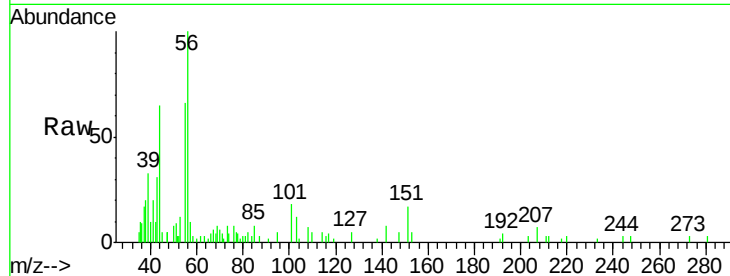
VF0703SBS01

Manual Integrations

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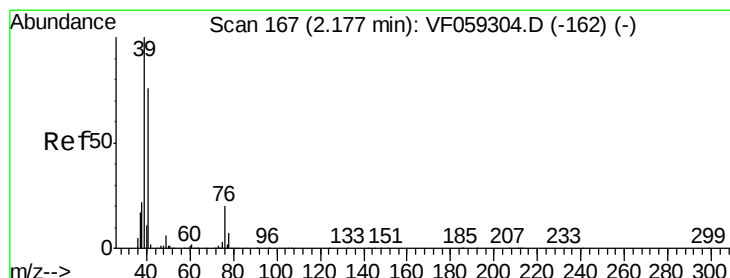
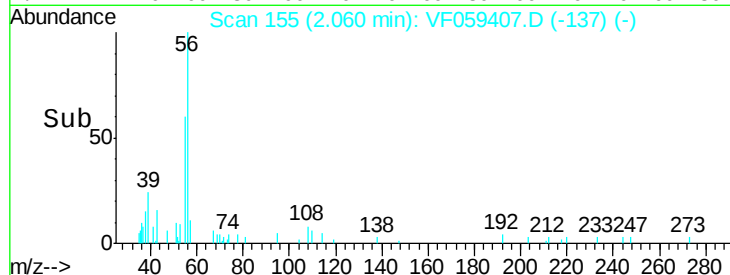
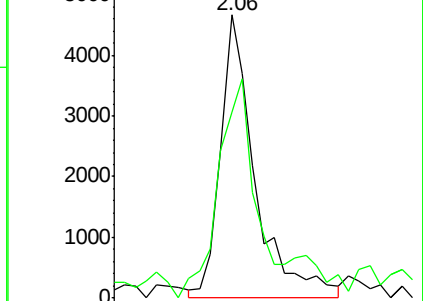
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 19.099 ug/l

RT: 2.16 min Scan# 165

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

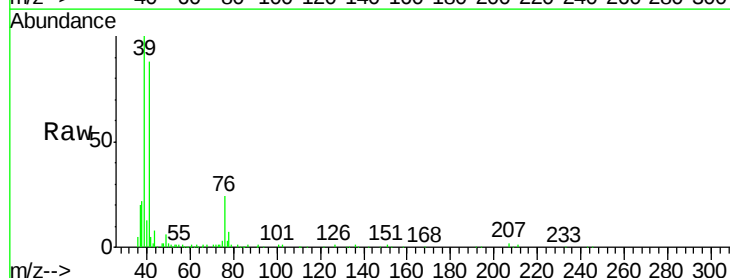
Tgt Ion: 41 Resp: 56188

Ion Ratio Lower Upper

41 100

39 113.8 105.6 158.4

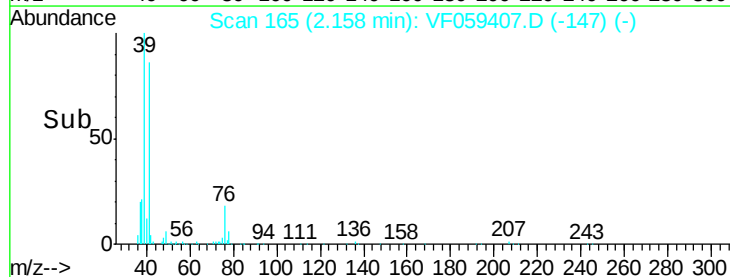
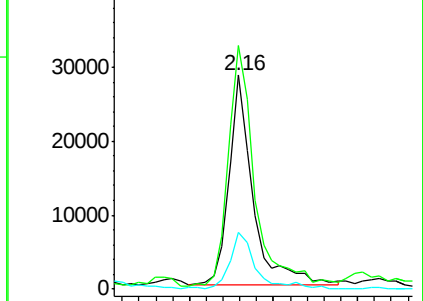
76 26.8 21.6 32.4

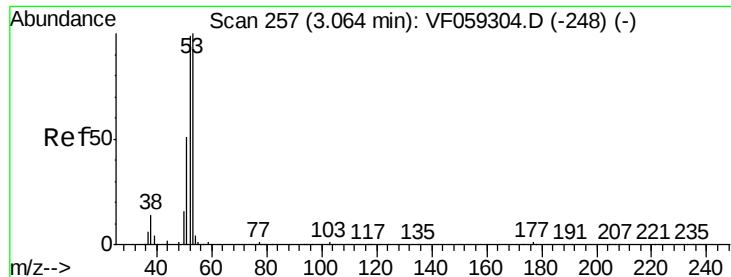


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 87.660 ug/l

RT: 3.04 min Scan# 254

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

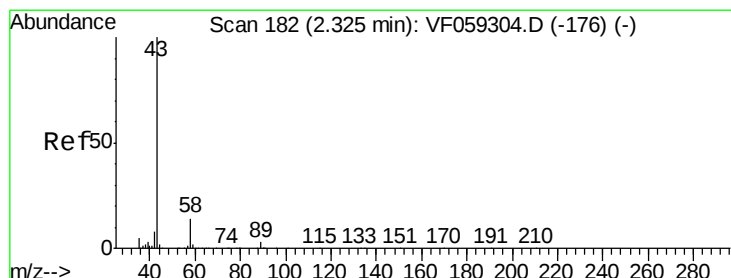
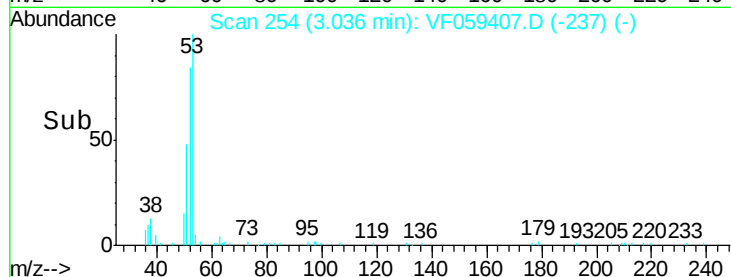
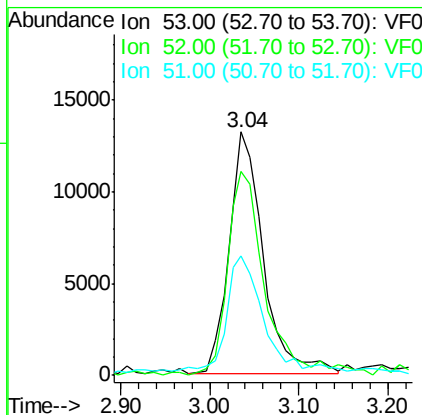
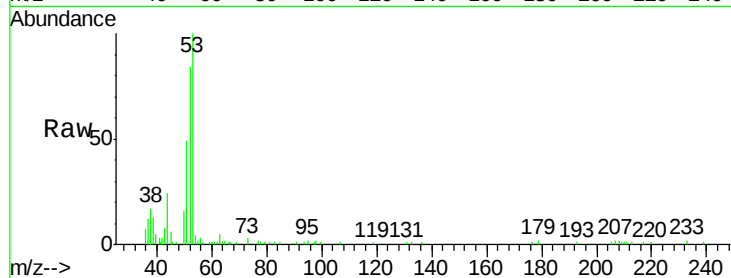
ClientSampleId :

VF0703SBS01

Tot Ion:	53	Resp:	35296
Ion Ratio	Lower	Upper	
53	100		
52	83.7	79.2	118.8
51	48.9	40.9	61.3

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#16

Acetone

Concen: 89.980 ug/l

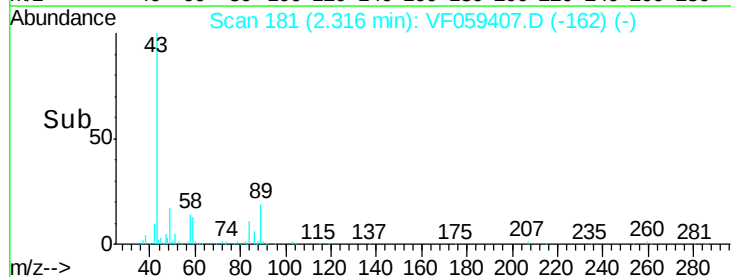
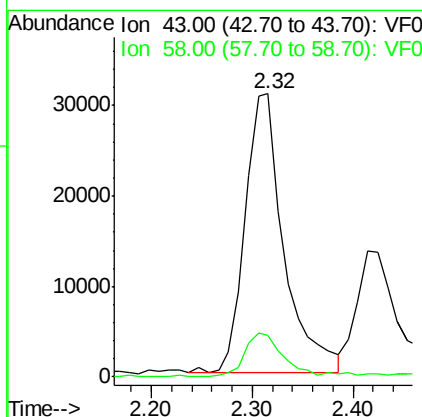
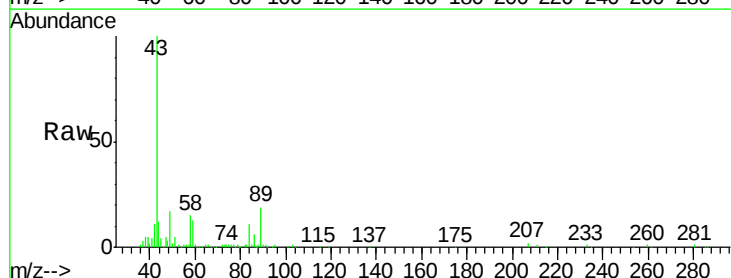
RT: 2.32 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	43	Resp:	82781
Ion Ratio	Lower	Upper	
43	100		
58	14.5	11.4	17.0





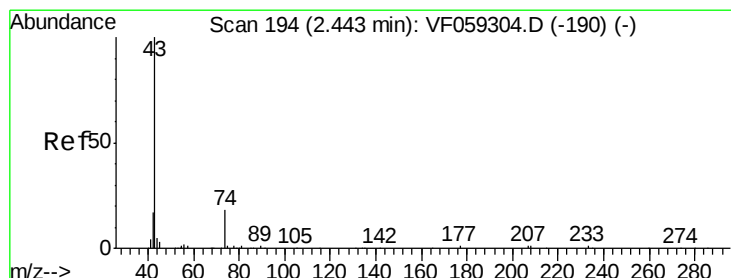
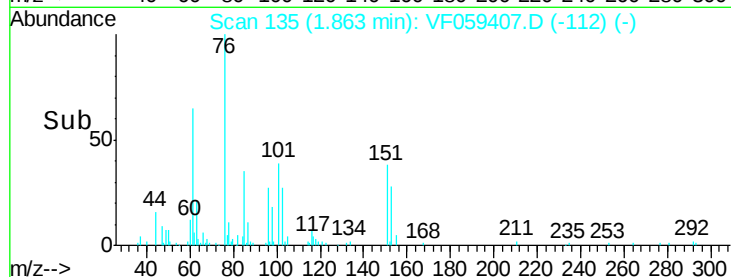
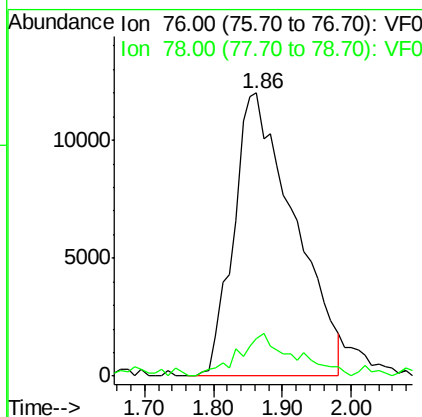
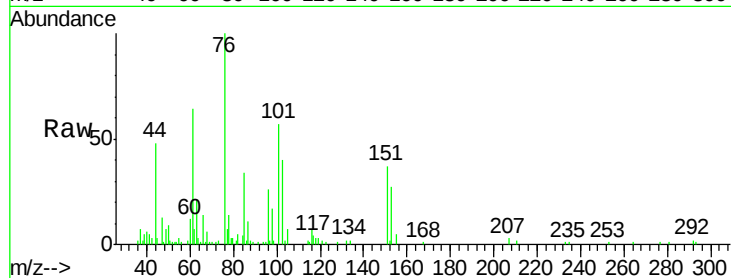
#17
Carbon Disulfide
Concen: 19.893 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBSD01

Tot Ion: 76 Resp: 73338
Ion Ratio Lower Upper
76 100
78 13.5 8.9 13.3#

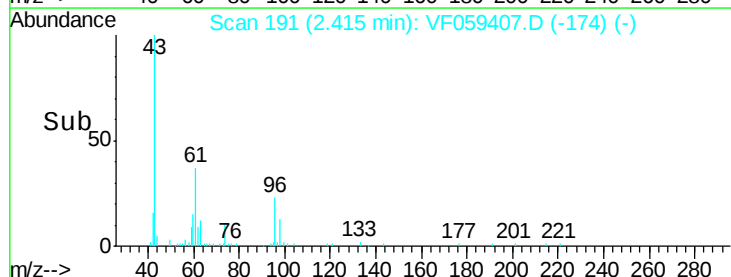
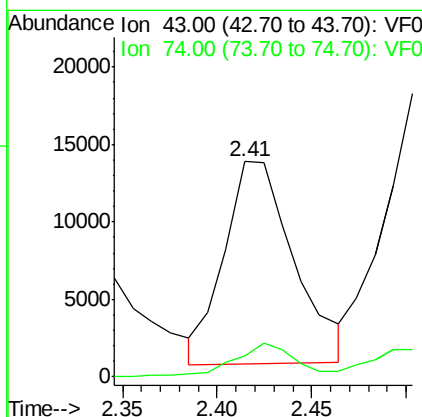
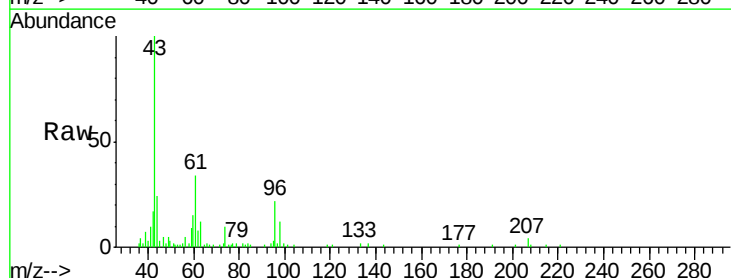
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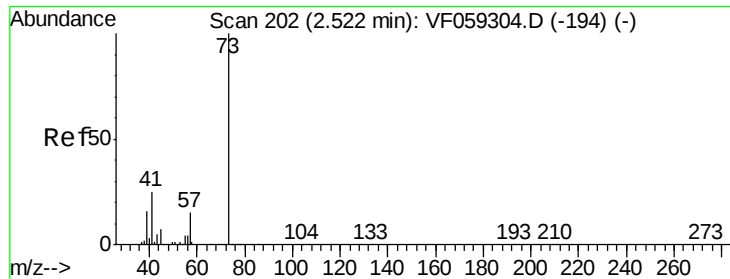
apatel
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#18
Methyl Acetate
Concen: 21.058 ug/l
RT: 2.41 min Scan# 191
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion: 43 Resp: 33688
Ion Ratio Lower Upper
43 100
74 9.8 13.3 19.9#





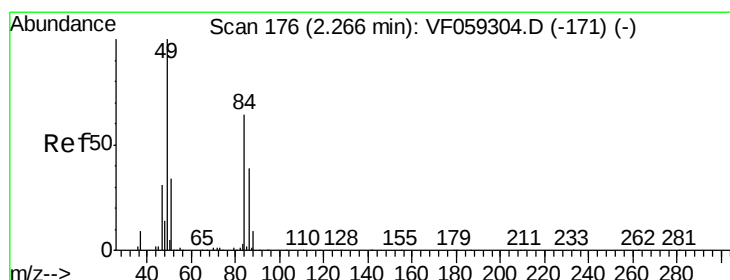
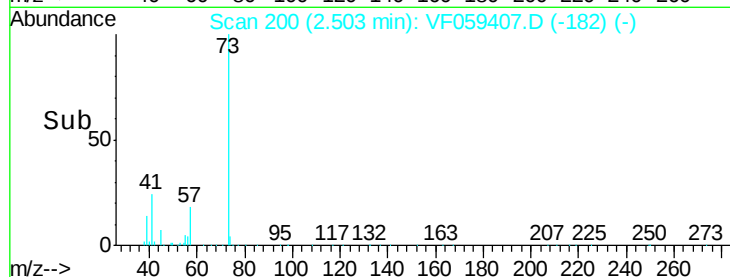
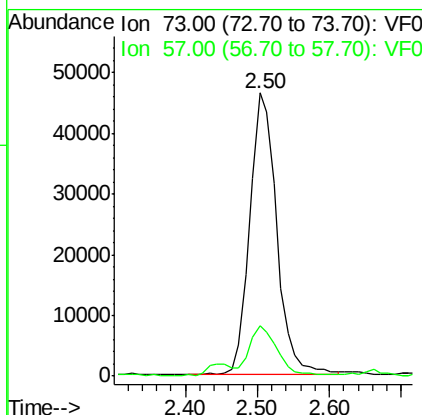
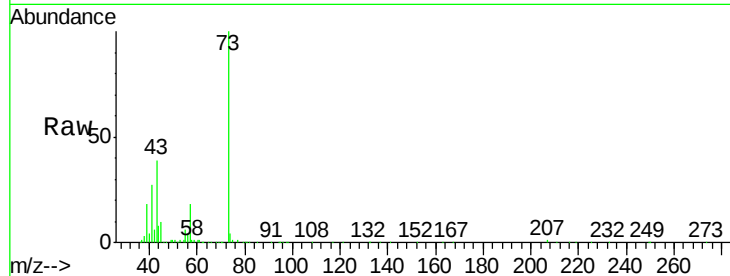
#19
Methvl tert-butvl Ether
Concen: 20.964 ug/l
RT: 2.50 min Scan# 200
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	12.3	18.5

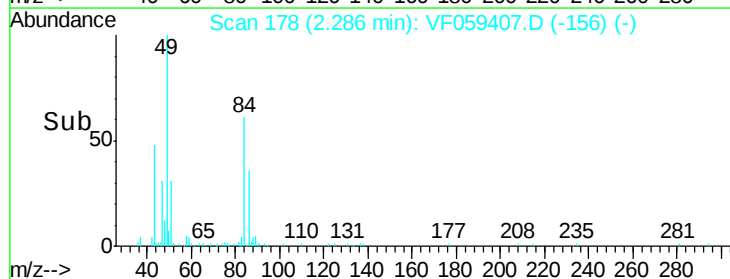
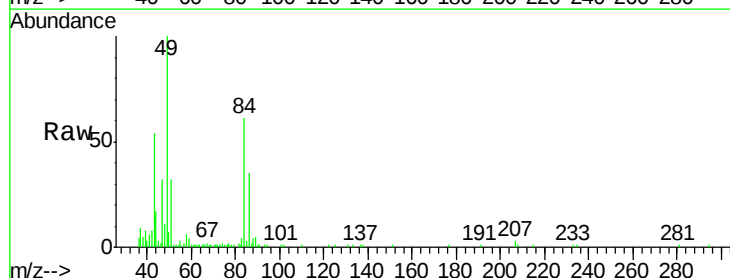
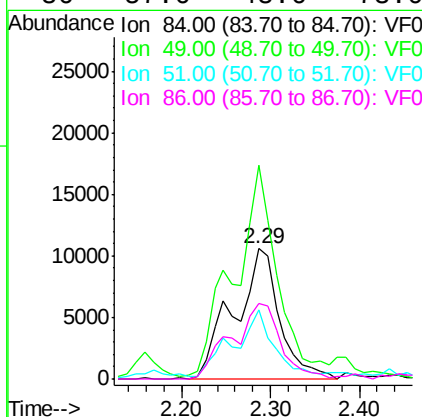
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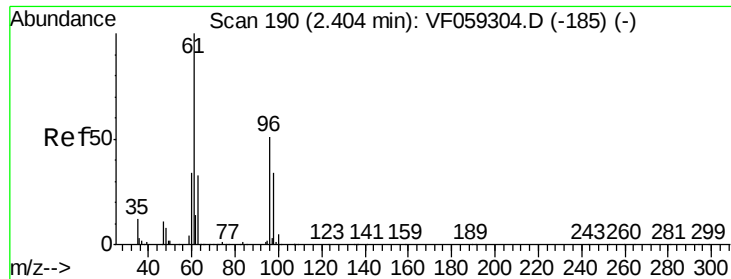
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#20
Methylene Chloride
Concen: 14.284 ug/l m
RT: 2.29 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.3	126.5	189.7
51	52.9	42.9	64.3
86	57.6	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 20.771 ug/l

RT: 2.38 min Scan# 187

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

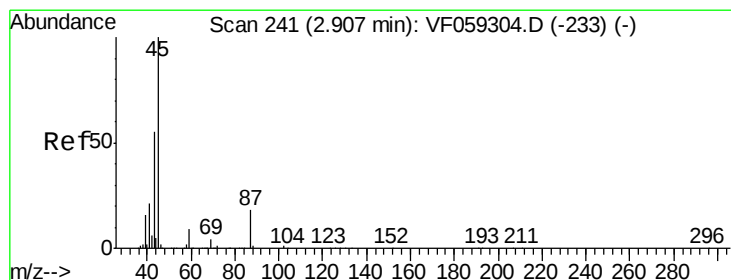
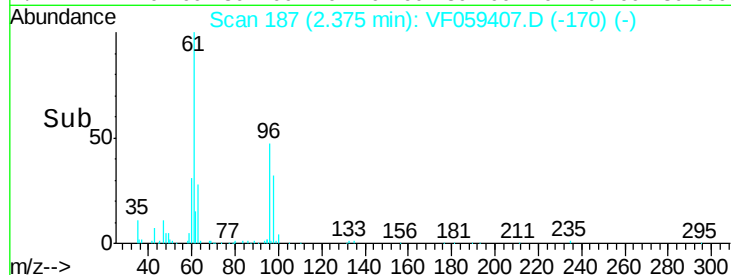
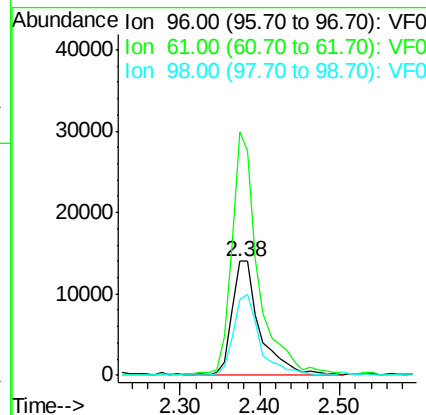
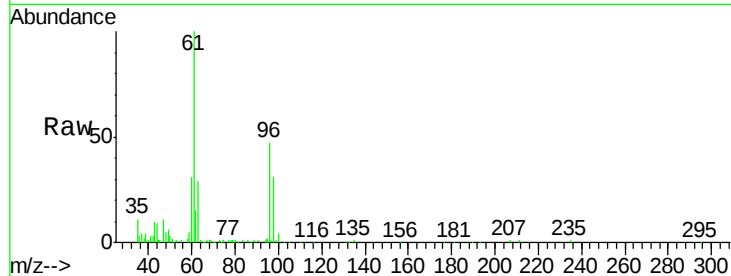
ClientSampleId :

VF0703SBS01

Tot Ion:	96	Resp:	34726
Ion	Ratio	Lower	Upper
96	100		
61	206.9	157.4	236.2
98	67.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 21.519 ug/l

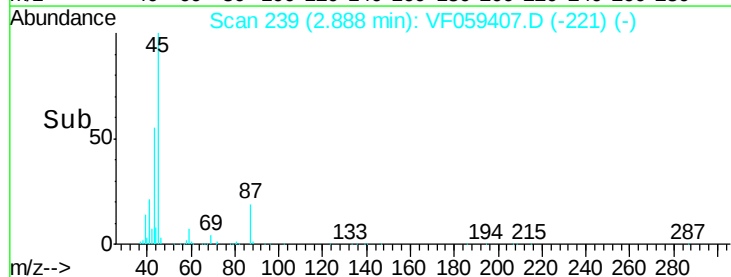
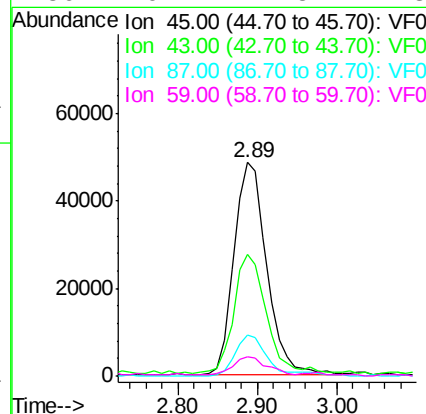
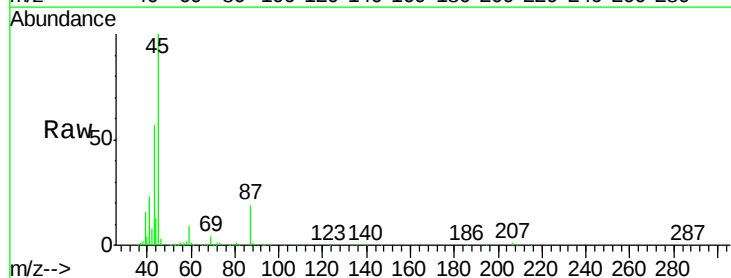
RT: 2.89 min Scan# 239

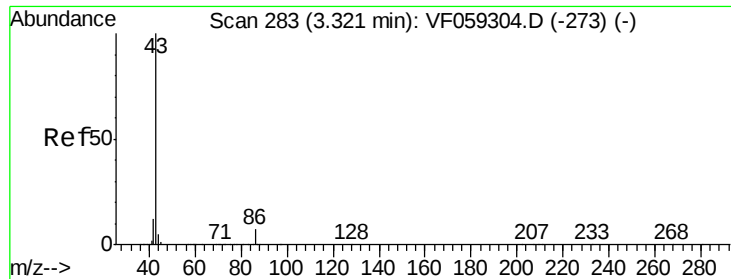
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	45	Resp:	140190
Ion	Ratio	Lower	Upper
45	100		
43	56.8	44.6	66.8
87	19.0	14.3	21.5
59	9.1	7.5	11.3





#23

Vinyl Acetate

Concen: 106.894 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 443505

Ion Ratio Lower Upper

43 100

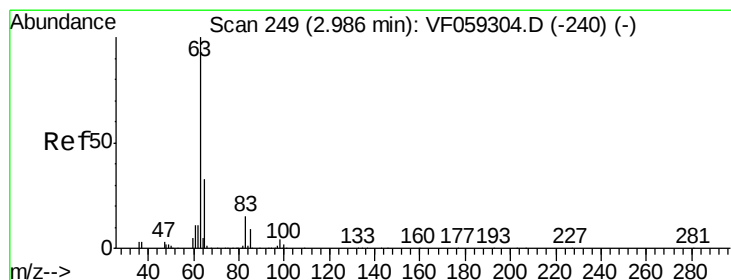
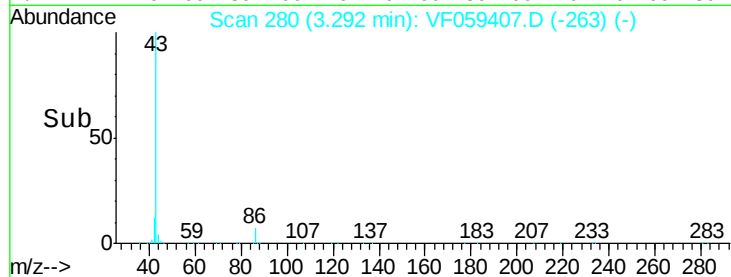
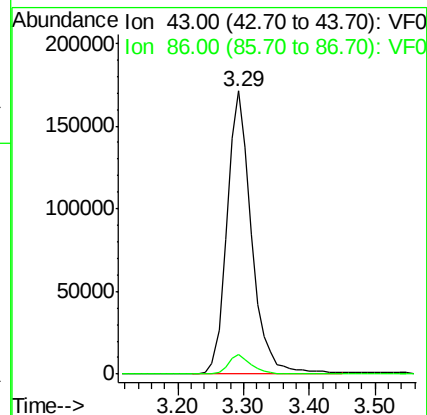
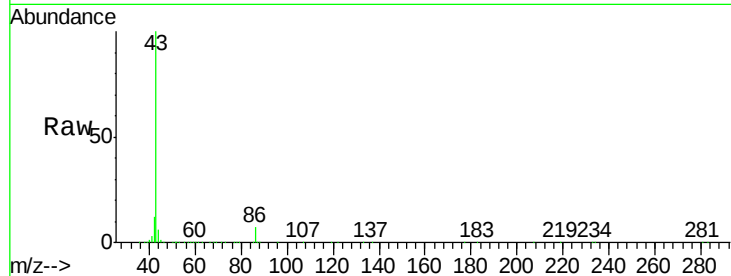
86 7.1 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 20.866 ug/l

RT: 2.97 min Scan# 247

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

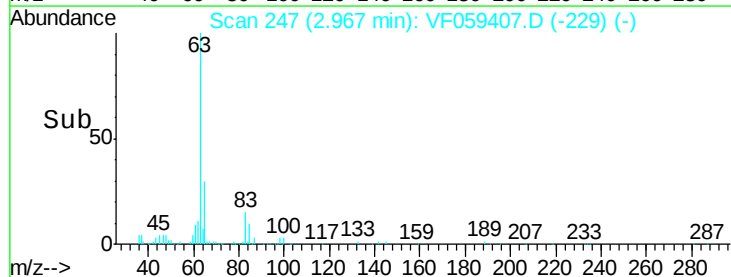
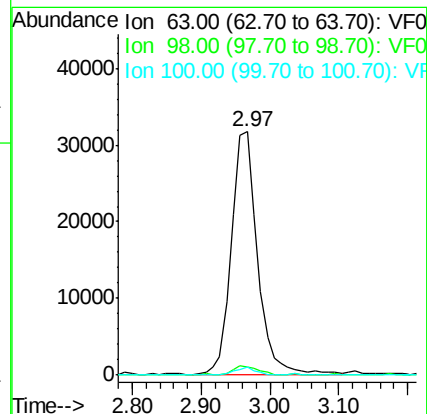
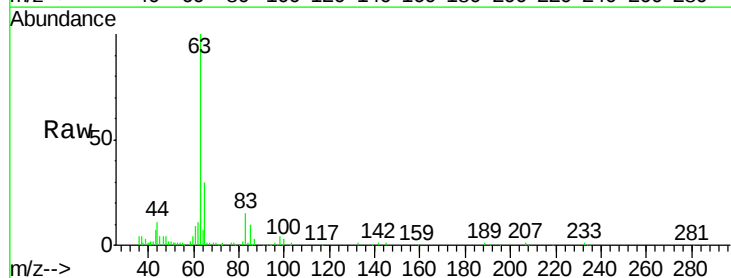
Tgt Ion: 63 Resp: 84281

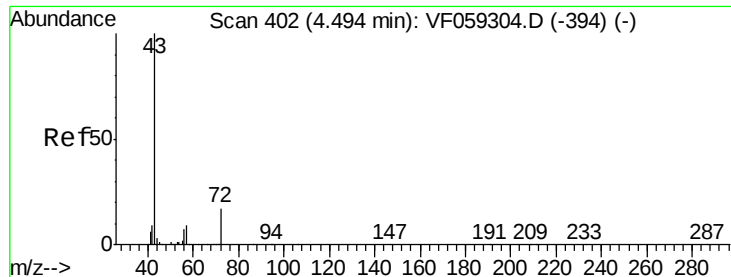
Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

100 3.2 1.3 3.9





#25

2-Butanone

Concen: 108.303 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 114142

Ion Ratio Lower Upper

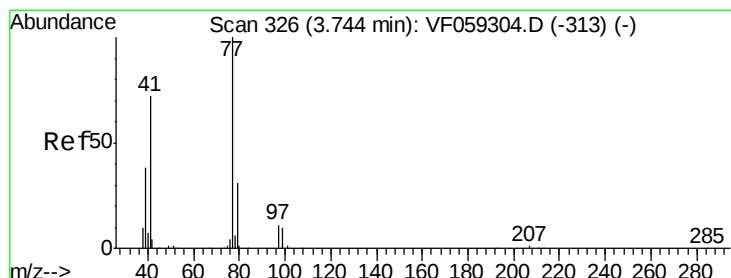
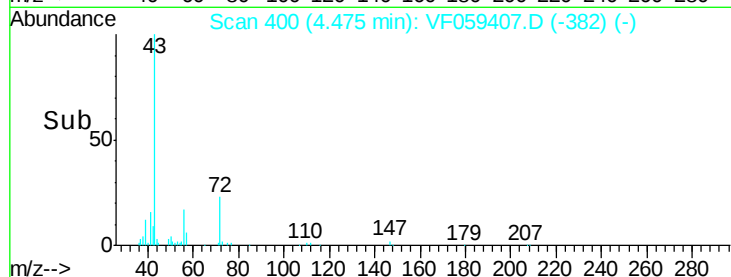
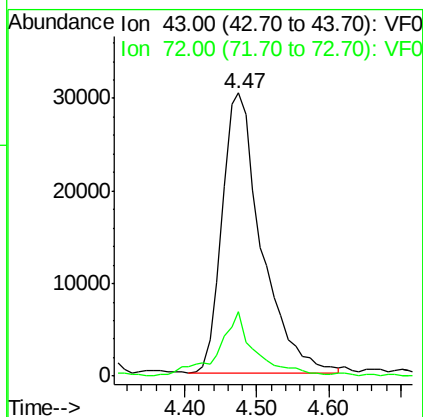
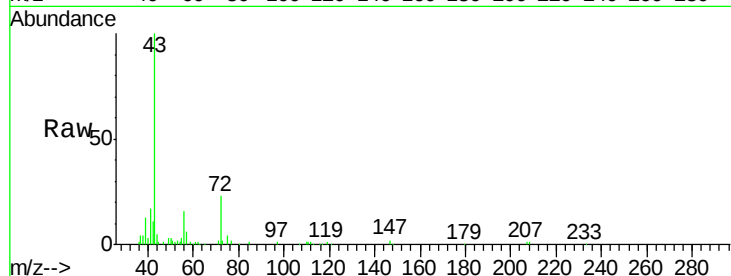
43 100

72 22.9 14.4 21.6#

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#26

2,2-Dichloropropane

Concen: 21.172 ug/l

RT: 3.72 min Scan# 323

Delta R.T. -0.03 min

Lab File: VF059407.D

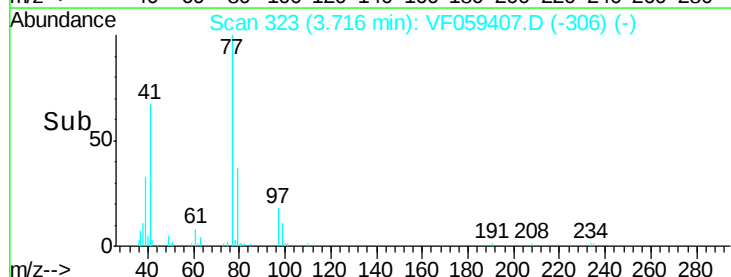
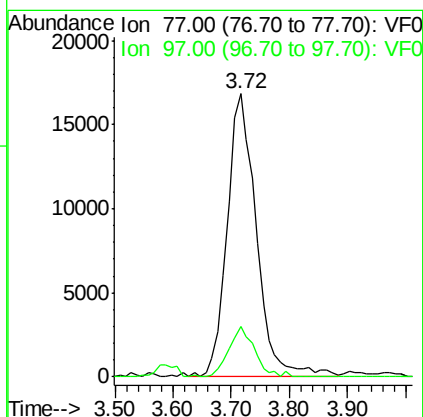
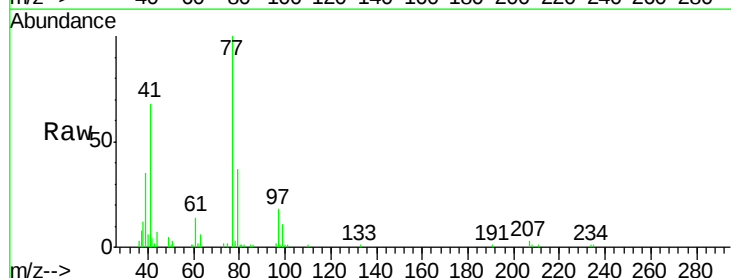
Acq: 3 Jul 2018 12:54

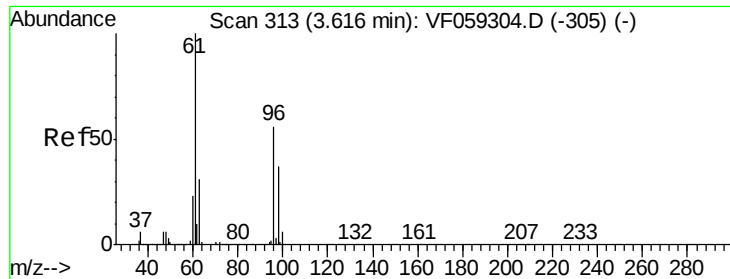
Tgt Ion: 77 Resp: 58983

Ion Ratio Lower Upper

77 100

97 17.9 8.0 23.8





#27

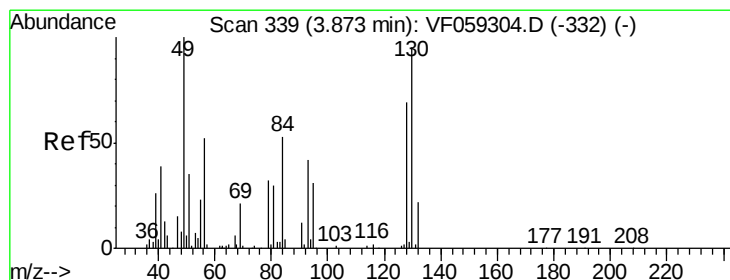
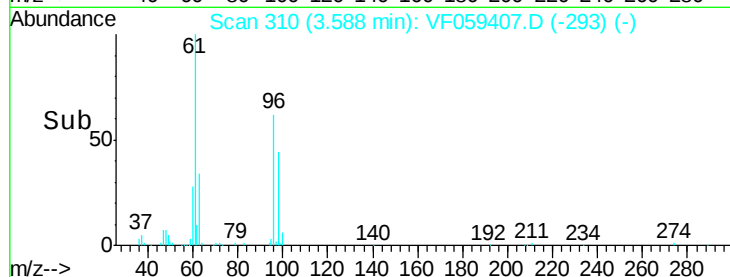
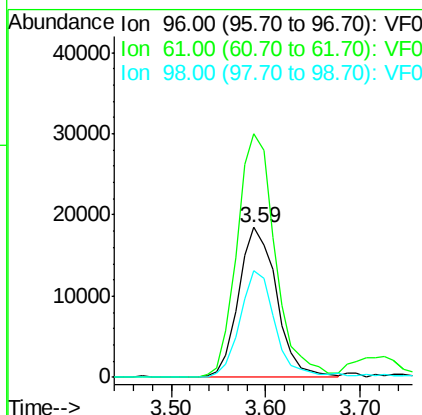
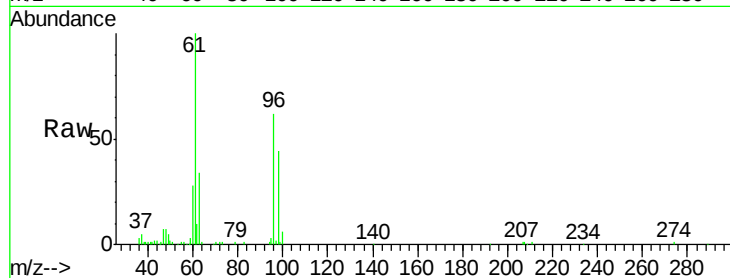
cis-1,2-Dichloroethene
Concen: 20.409 ug/l
RT: 3.59 min Scan# 310
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	355.4
98	71.6	0.0	131.0

Manual Integrations
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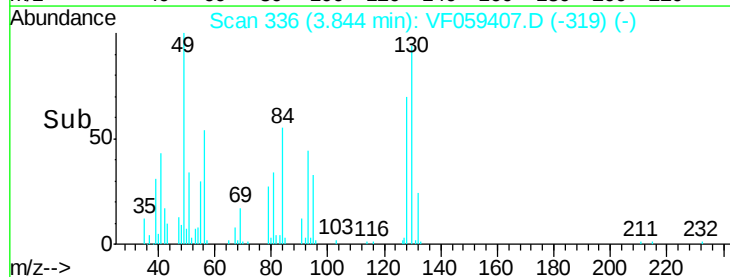
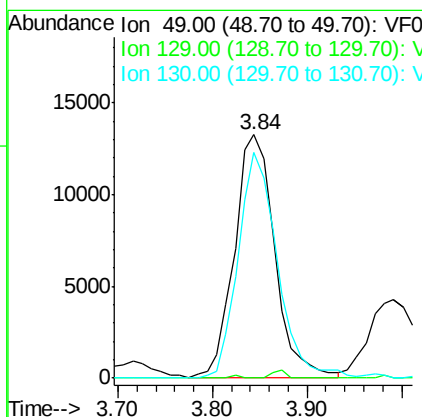
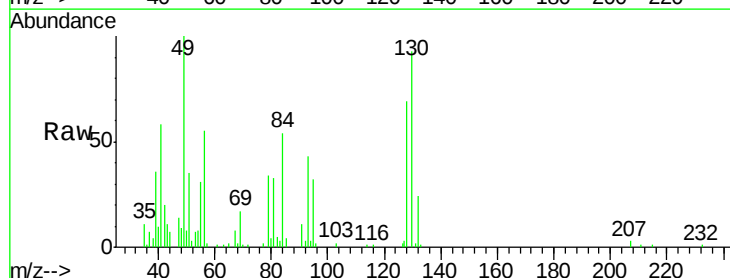
apatel
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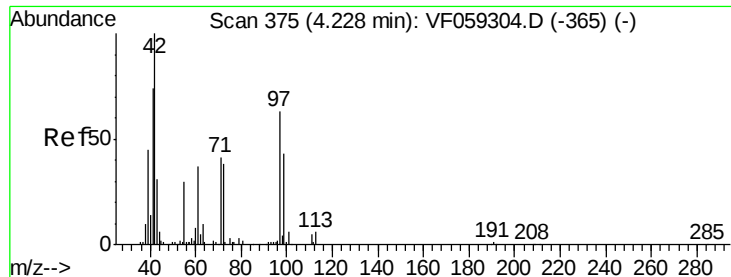


#28

Bromochloromethane
Concen: 23.141 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.4
130	92.9	75.1	112.7





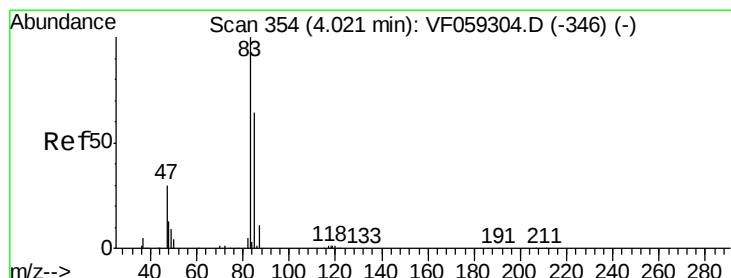
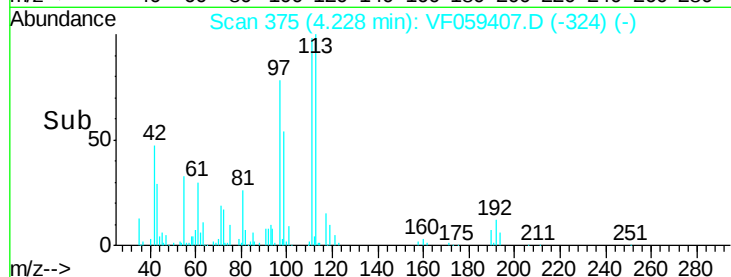
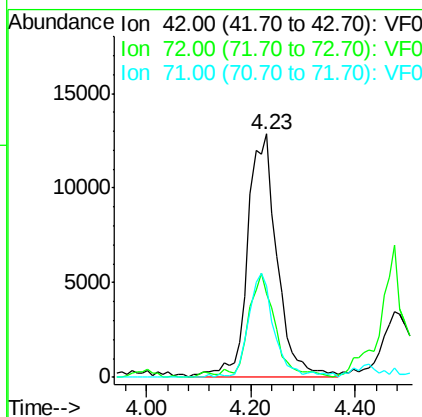
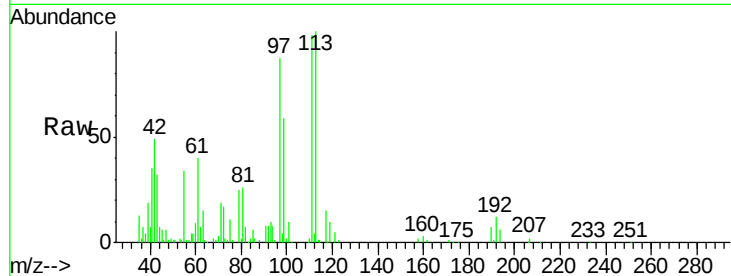
#29
Tetrahydrofuran
Concen: 106.117 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.5	45.7
71	36.3	32.5	48.7

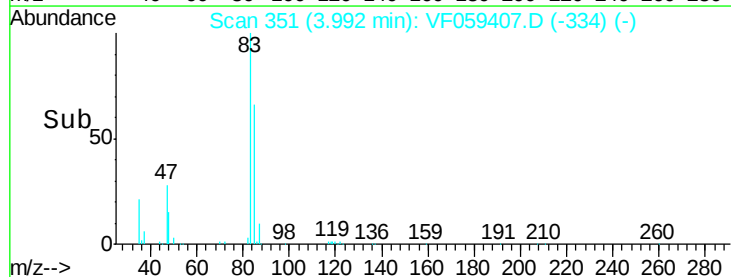
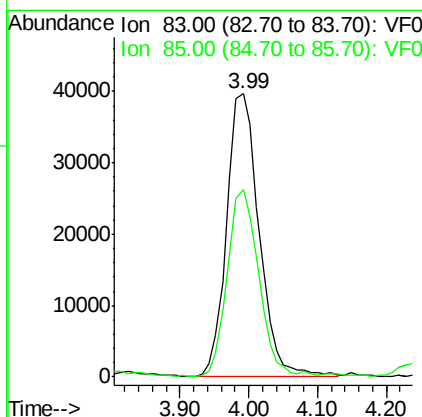
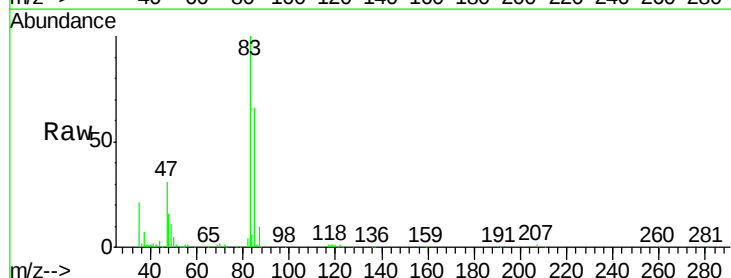
Manual Integrations
APPROVED

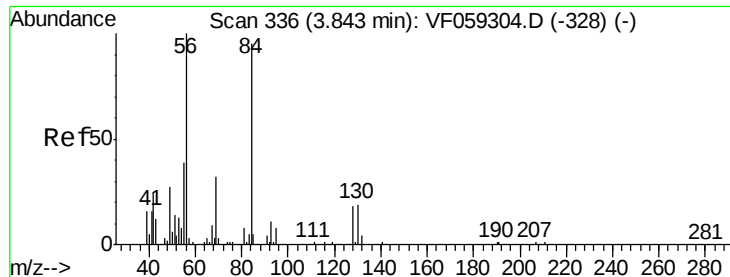
apatel
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#30
Chloroform
Concen: 22.299 ug/l
RT: 3.99 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





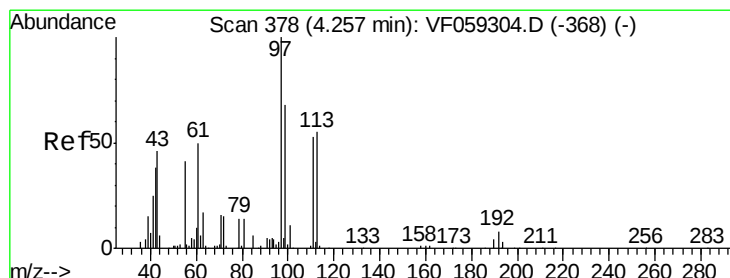
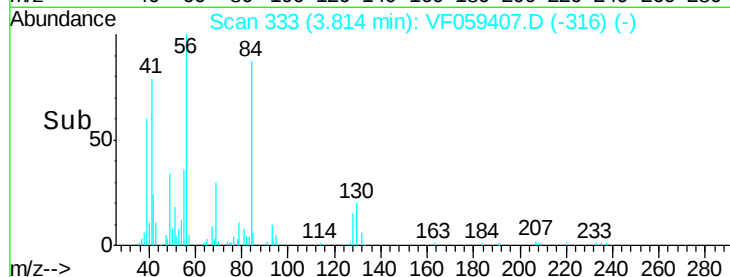
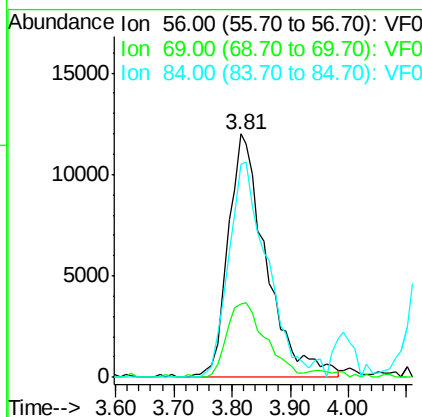
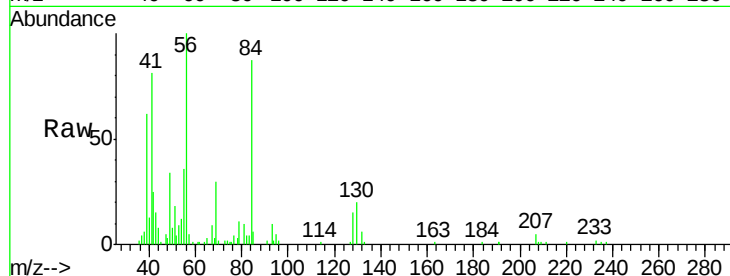
#31
Cyclohexane
Concen: 20.611 ug/l
RT: 3.81 min Scan# 333
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.8	38.8
84	87.5	75.6	113.4

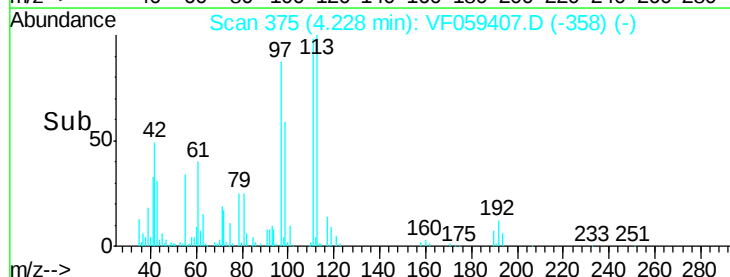
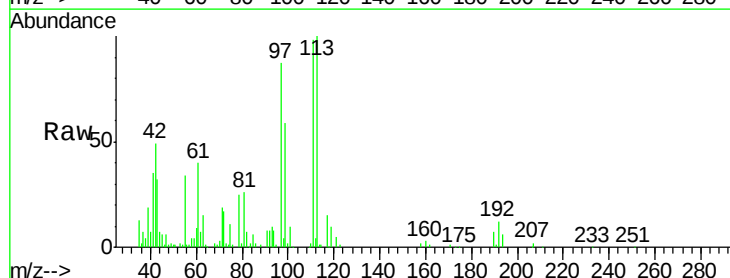
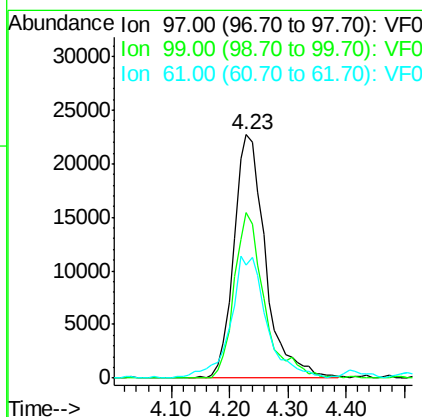
Manual Integrations
APPROVED

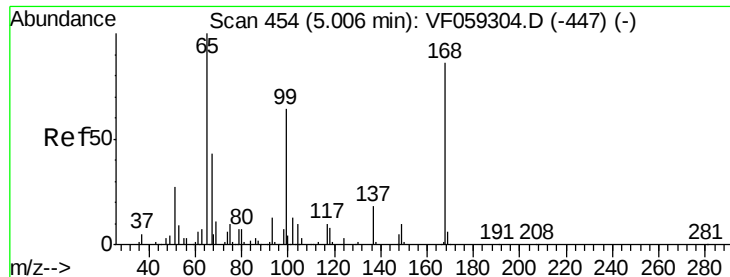
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.055 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.2	54.1	81.1
61	46.4	41.2	61.8





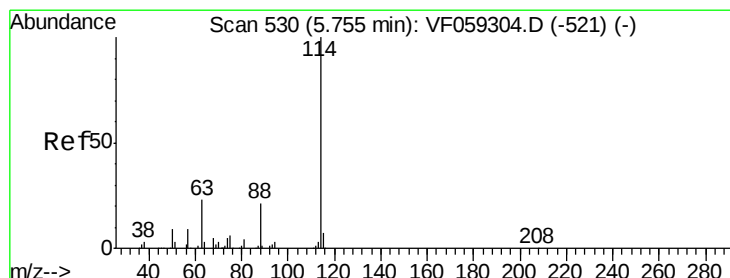
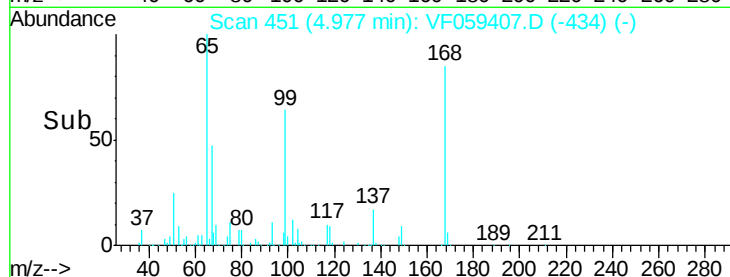
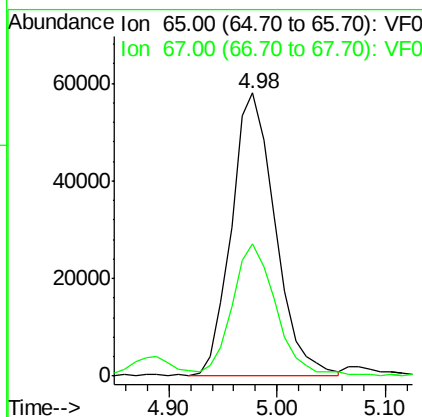
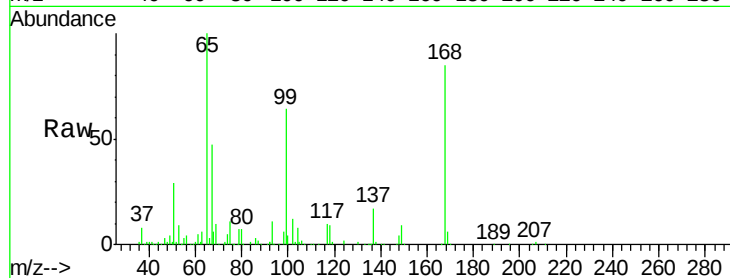
#33
 1,2-Dichloroethane-d4
 Concen: 47.501 ug/l
 RT: 4.98 min Scan# 451
 Delta R.T. -0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163144		
67	46.6	0.0	96.8	

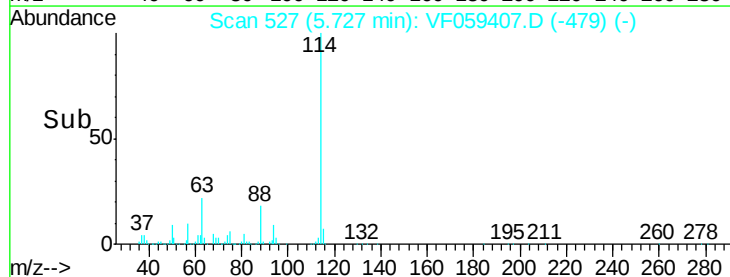
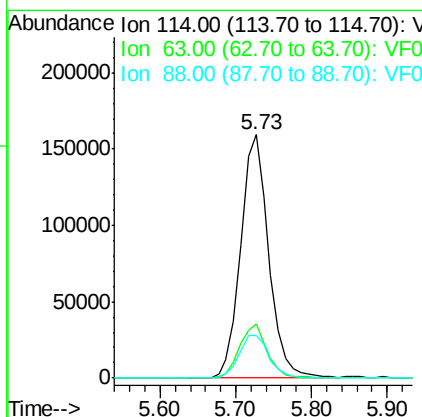
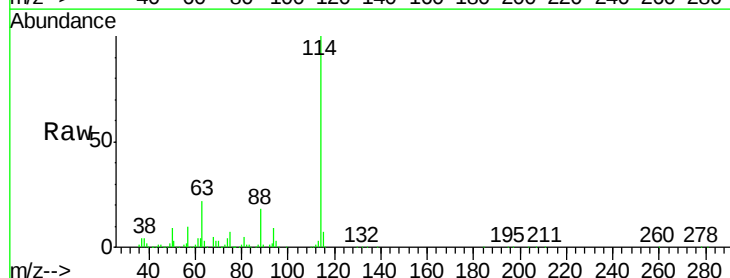
Manual Integrations
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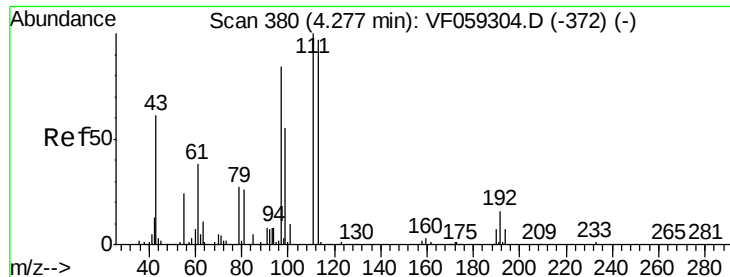
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.73 min Scan# 527
 Delta R.T. -0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	408800		
63	22.4	0.0	45.8	
88	17.6	0.0	41.2	





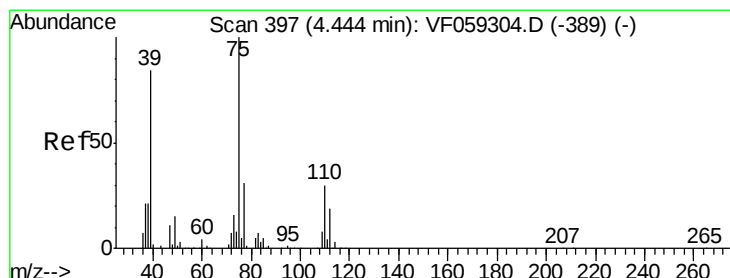
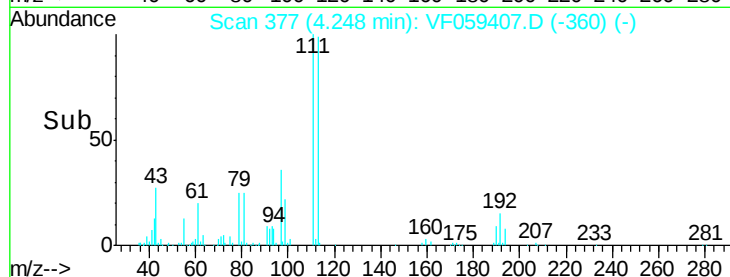
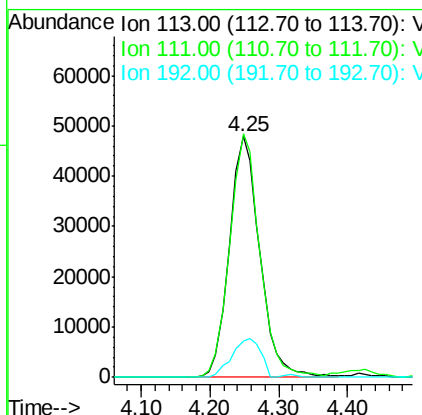
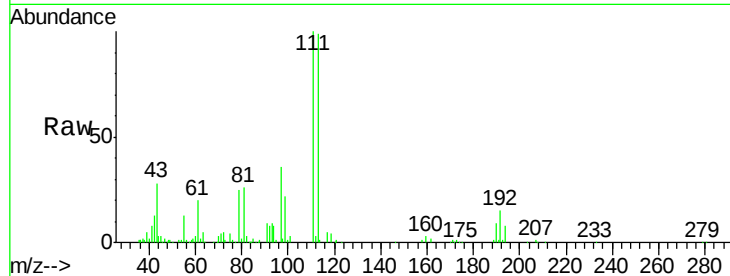
#35
 Dibromofluoromethane
 Concen: 49.141 ug/l
 RT: 4.25 min Scan# 377
 Delta R.T. -0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146782		
111	101.1	82.1	123.1	
192	15.0	13.0	19.6	

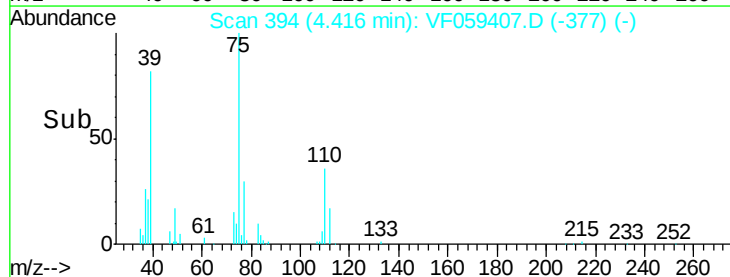
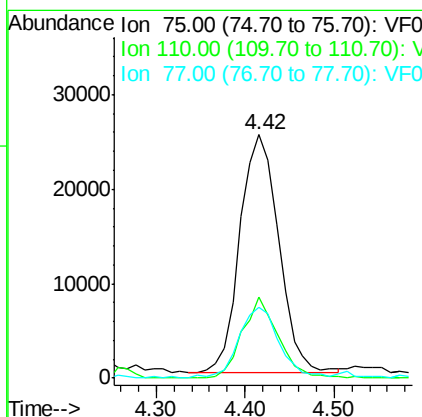
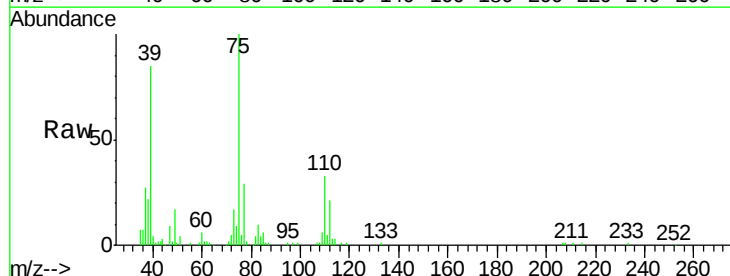
Manual Integrations
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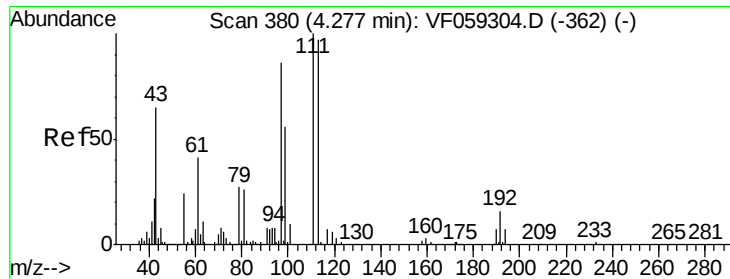
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.366 ug/l
 RT: 4.42 min Scan# 394
 Delta R.T. -0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76303		
110	33.4	14.8	44.4	
77	28.9	25.2	37.8	





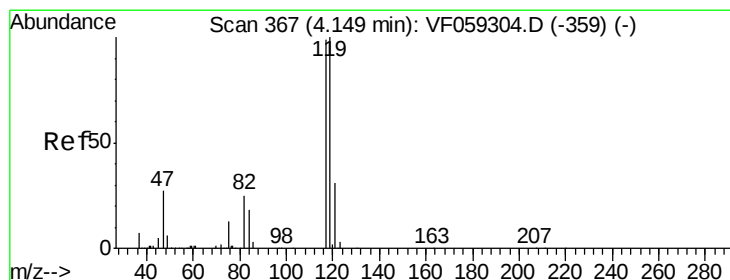
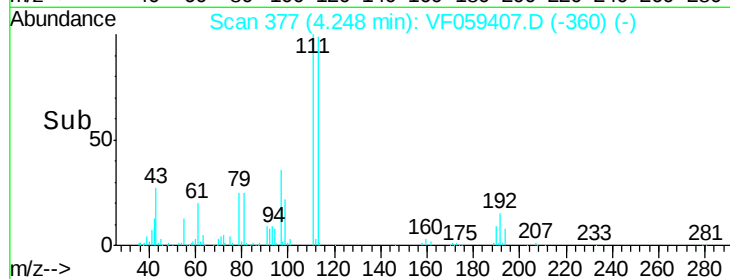
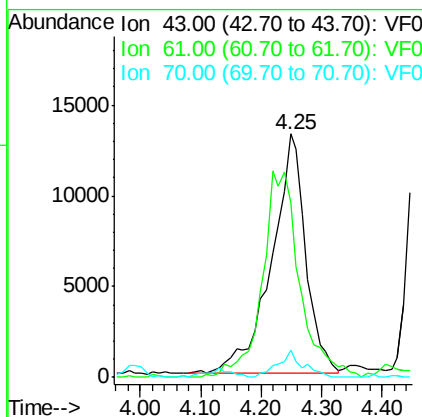
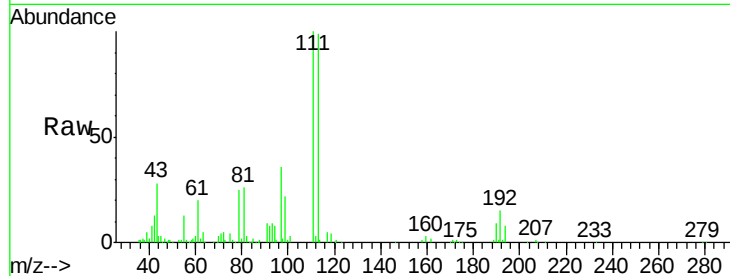
#37
Ethyl Acetate
Concen: 22.027 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.5	50.1	75.1
70	11.0	6.2	9.4

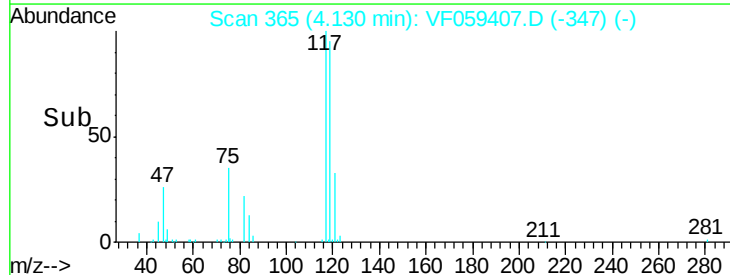
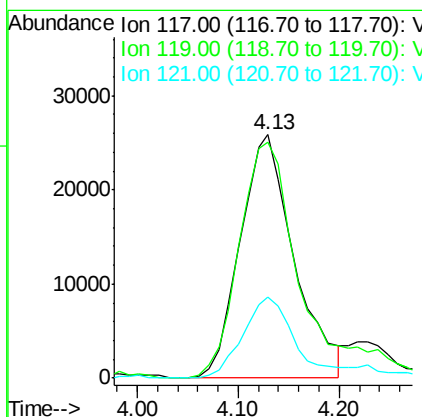
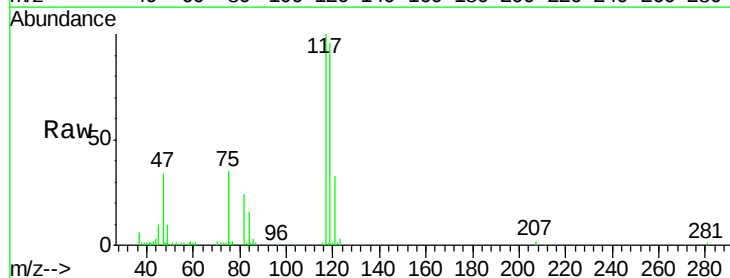
Manual Integrations
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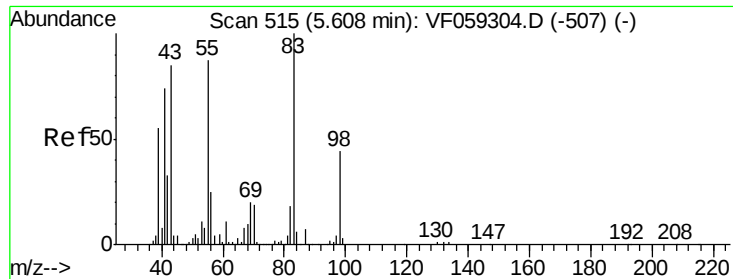
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#38
Carbon Tetrachloride
Concen: 21.379 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	81.0	121.4
121	33.1	24.7	37.1





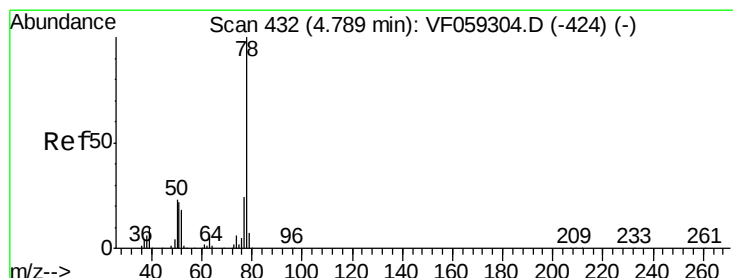
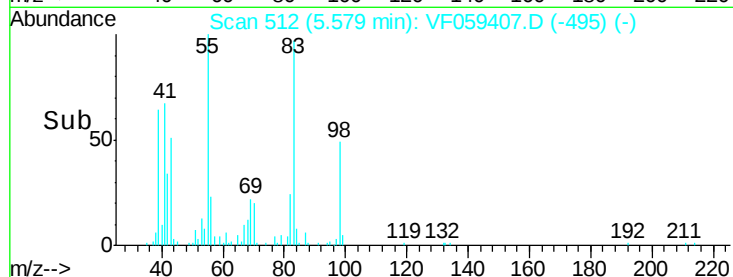
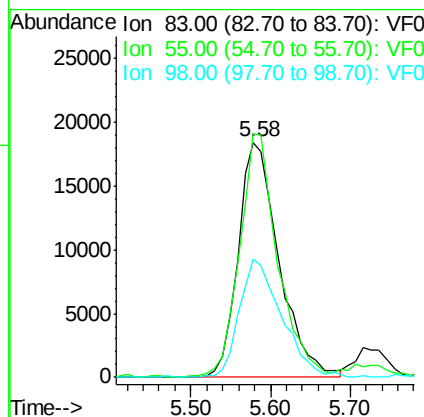
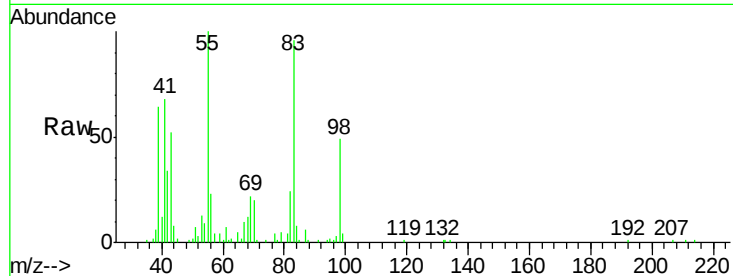
#39
Methvlcvclohexane
Concen: 20.660 ug/l
RT: 5.58 min Scan# 512
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	83	Resp	65380
Ion Ratio	Lower	Upper	
83	100		
55	103.6	69.2	103.8
98	50.5	35.0	52.6

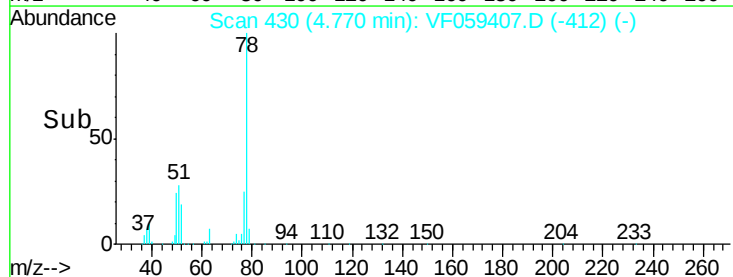
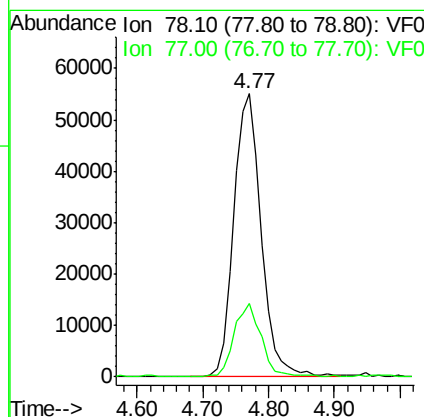
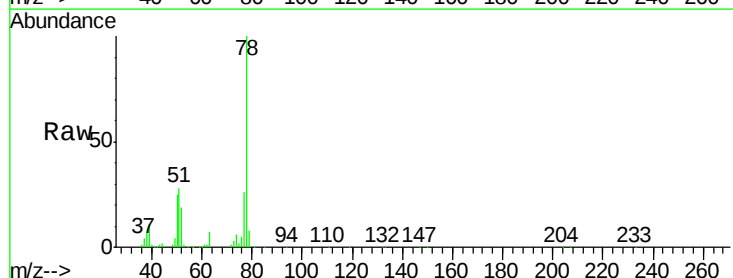
Manual Integrations
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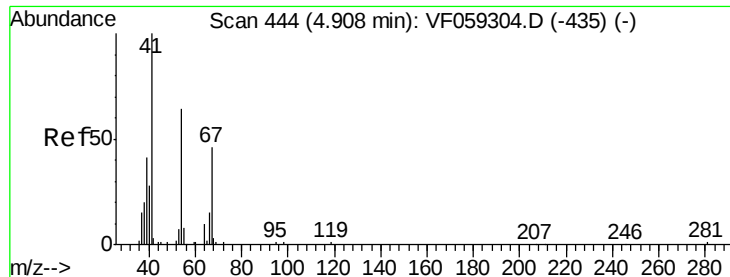
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#40
Benzene
Concen: 20.411 ug/l
RT: 4.77 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	78	Resp	161613
Ion Ratio	Lower	Upper	
78	100		
77	25.7	19.6	29.4





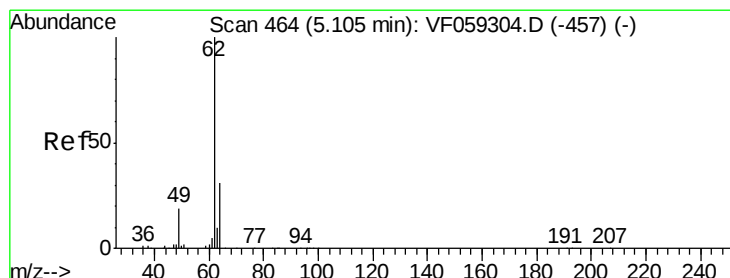
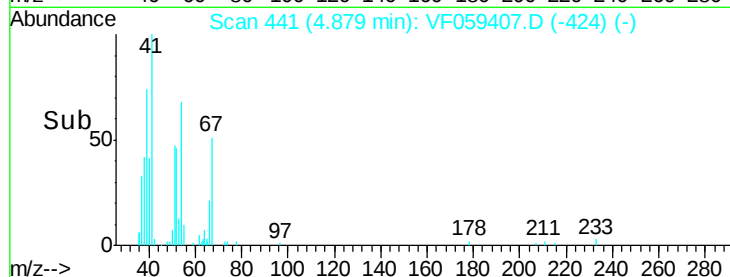
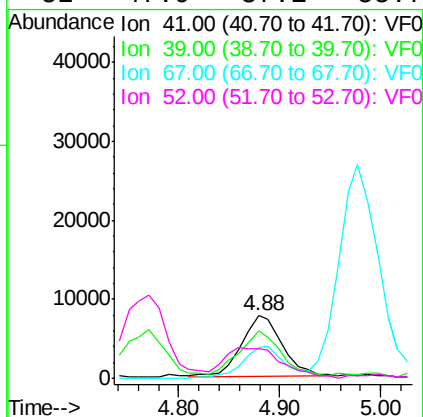
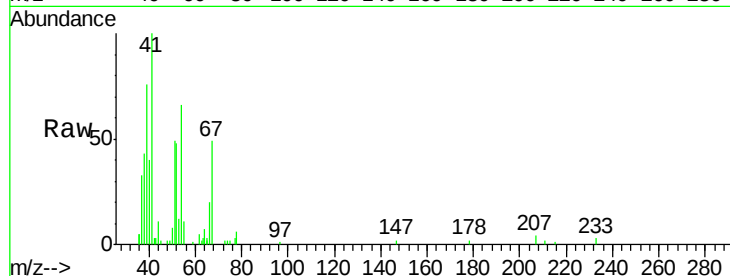
#41
Methacrylonitrile
Concen: 17.728 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.8	50.0	75.0#
67	48.8	37.0	55.6
52	47.9	37.1	55.7

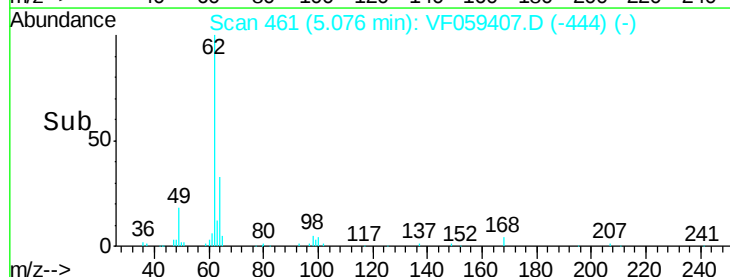
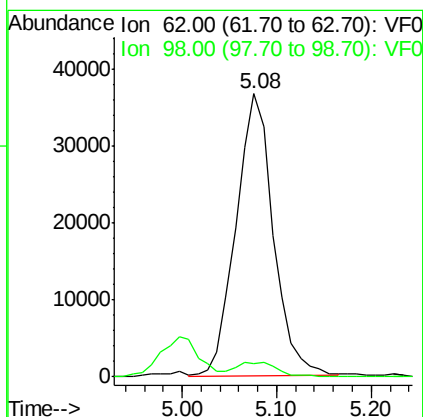
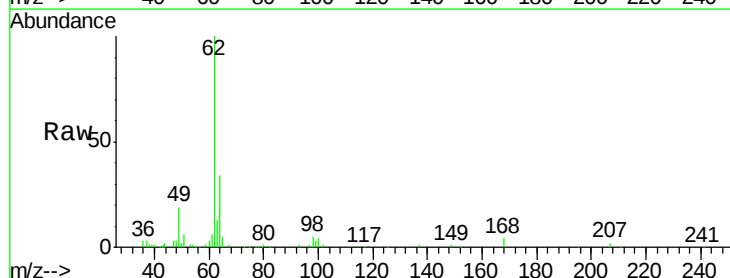
Manual Integrations
APPROVED

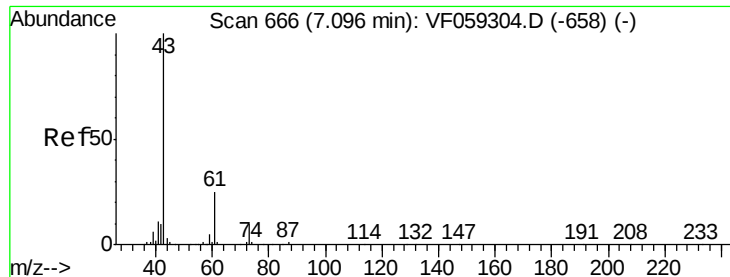
apatel
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#42
1,2-Dichloroethane
Concen: 21.626 ug/l
RT: 5.08 min Scan# 461
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	11.4





#43

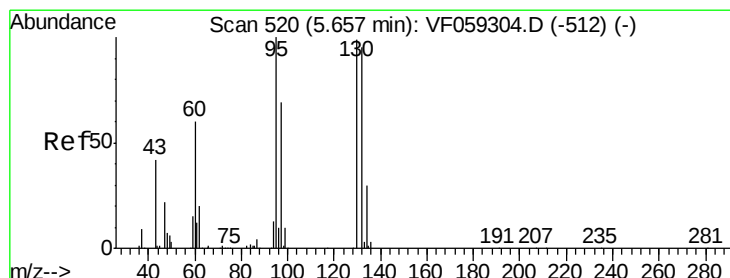
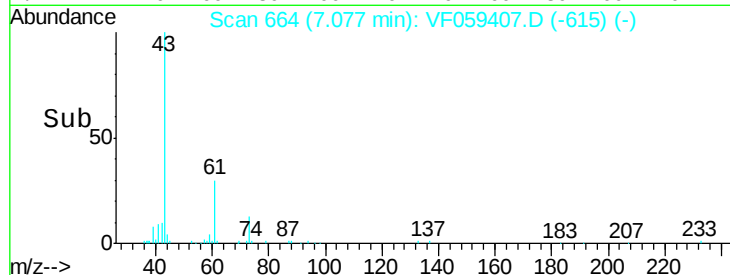
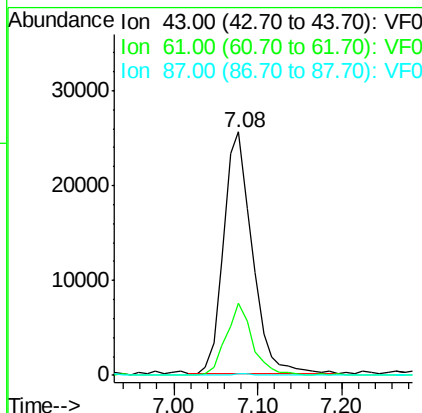
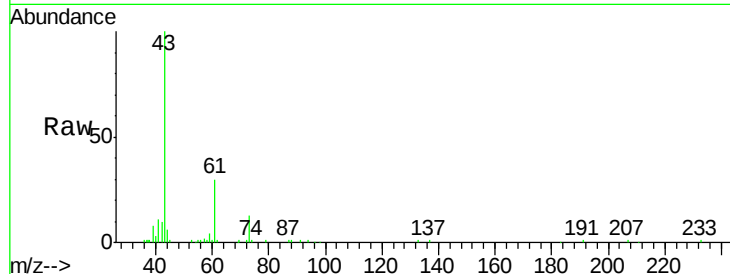
Isopropyl Acetate
 Concen: 20.433 ug/l
 RT: 7.08 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	19.7	29.5#
87	0.6	0.5	0.7

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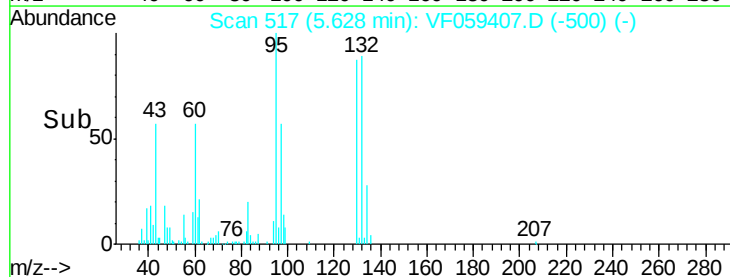
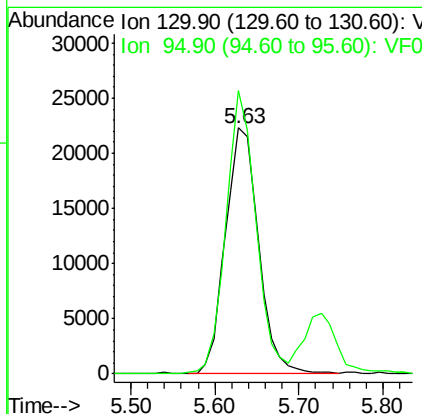
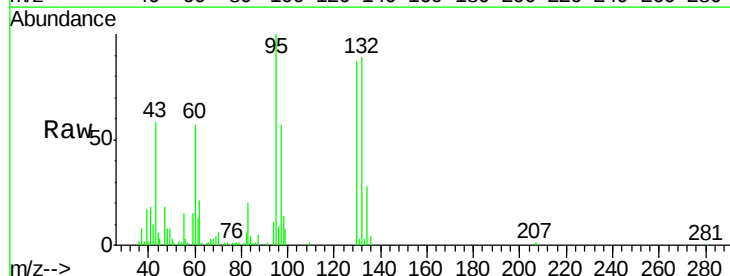
apatel
 7/5/2018 12:41:27 PM

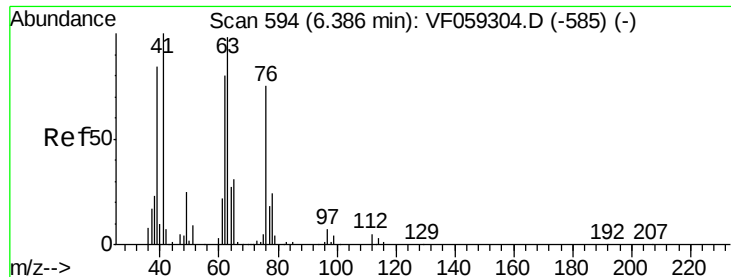


#44

Trichloroethene
 Concen: 22.606 ug/l
 RT: 5.63 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.1	0.0	202.4





#45

1,2-Dichloropropane

Concen: 20.428 ug/l

RT: 6.37 min Scan# 592

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 63 Resp: 46214

Ion Ratio Lower Upper

63 100

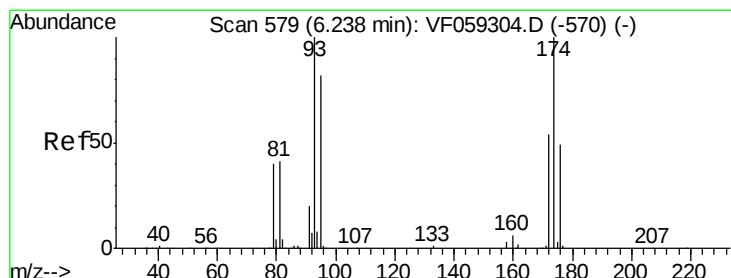
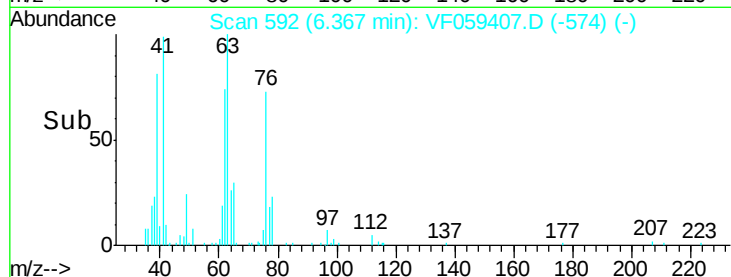
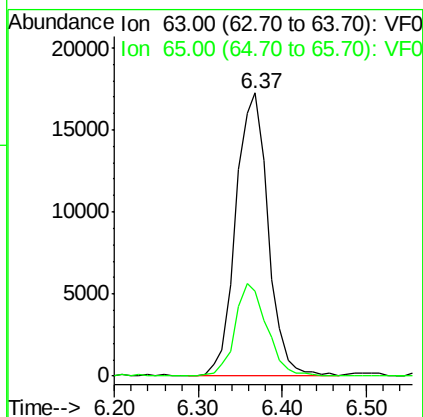
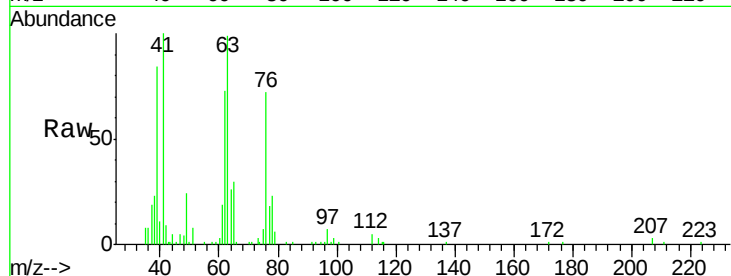
65 29.8 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 21.028 ug/l

RT: 6.21 min Scan# 576

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

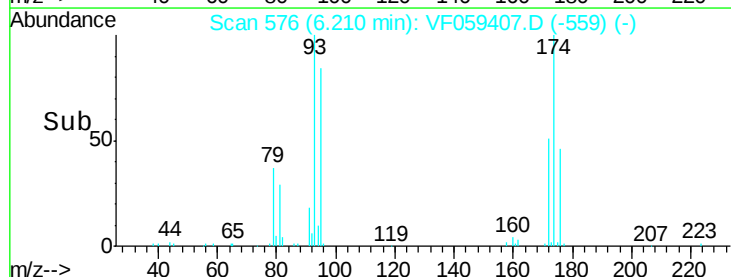
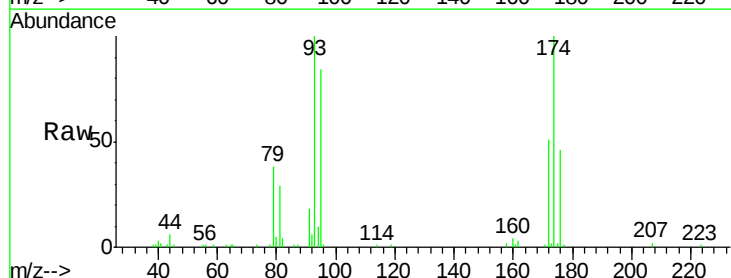
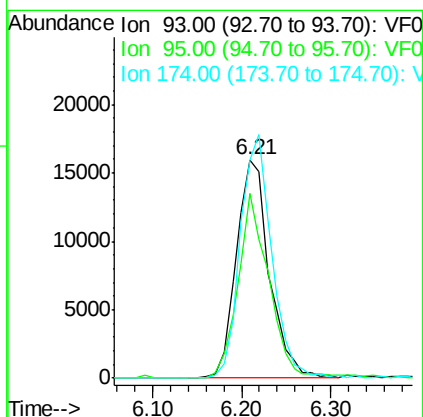
Tgt Ion: 93 Resp: 41290

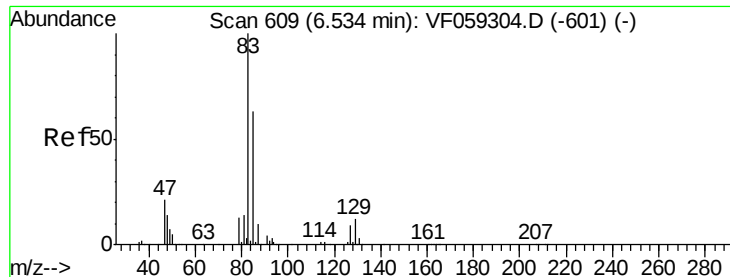
Ion Ratio Lower Upper

93 100

95 84.5 65.6 98.4

174 100.0 80.0 120.0





#47

Bromodichloromethane

Concen: 21.935 ug/l

RT: 6.51 min Scan# 606

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

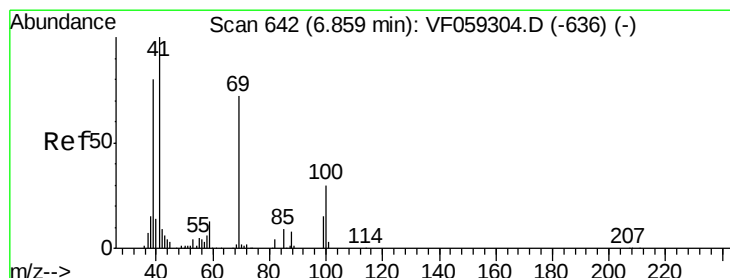
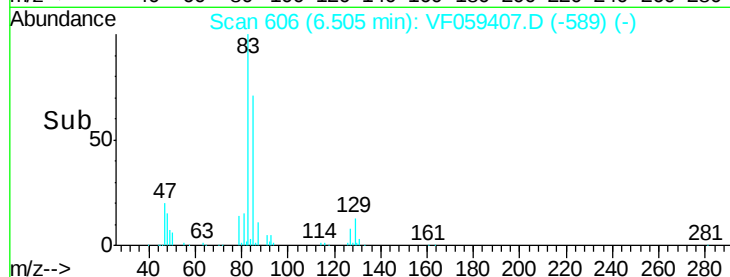
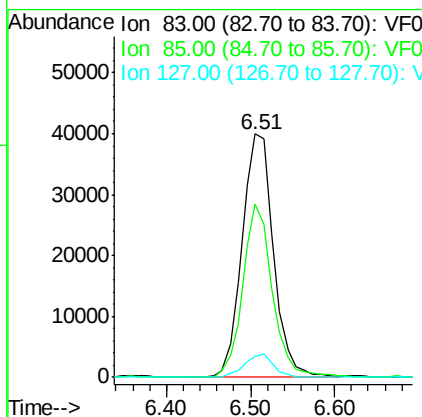
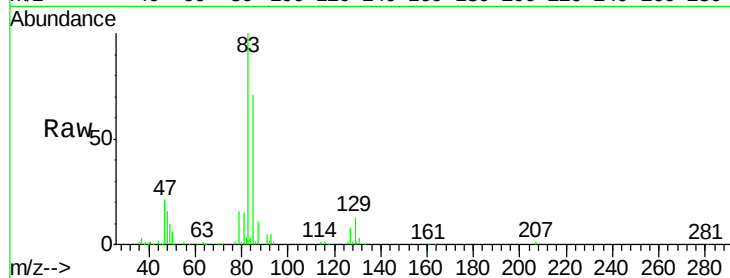
ClientSampleId :

VF0703SBS01

Tot Ion:	83	Resp:	104259
Ion	Ratio	Lower	Upper
83	100		
85	71.3	50.2	75.2
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.465 ug/l

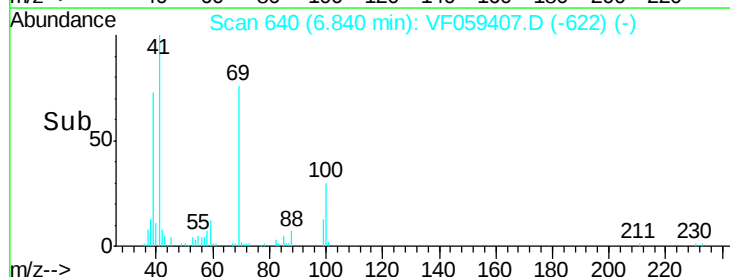
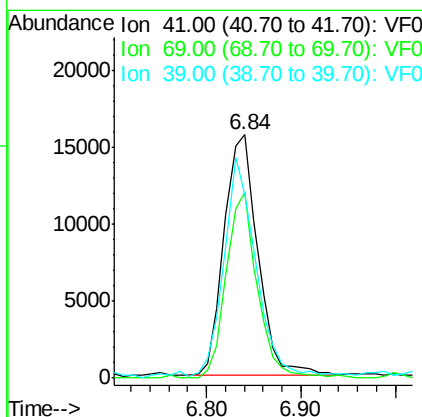
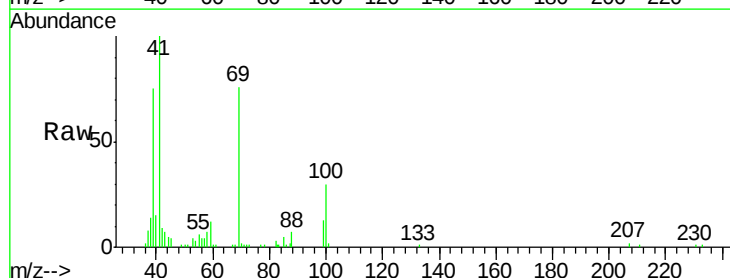
RT: 6.84 min Scan# 640

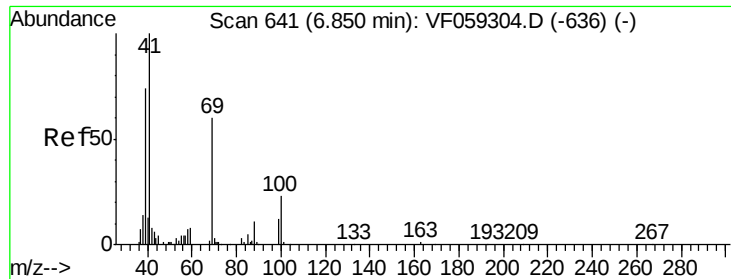
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	41	Resp:	38807
Ion	Ratio	Lower	Upper
41	100		
69	76.3	57.3	85.9
39	75.1	64.4	96.6





#49

1,4-Dioxane

Concen: 372.067 ug/l

RT: 6.83 min Scan# 639

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

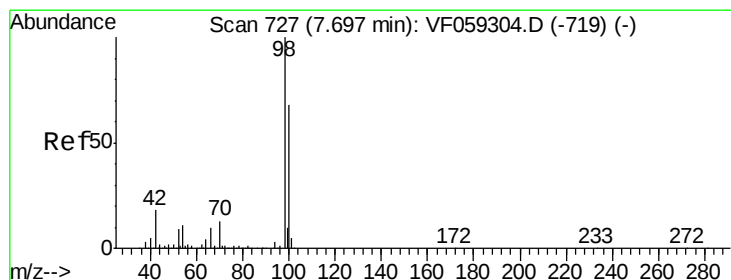
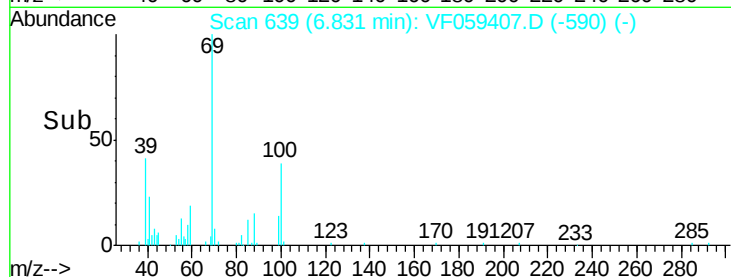
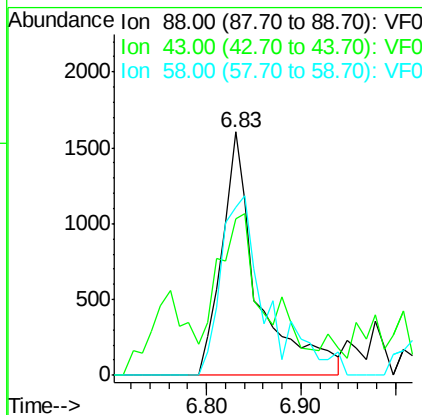
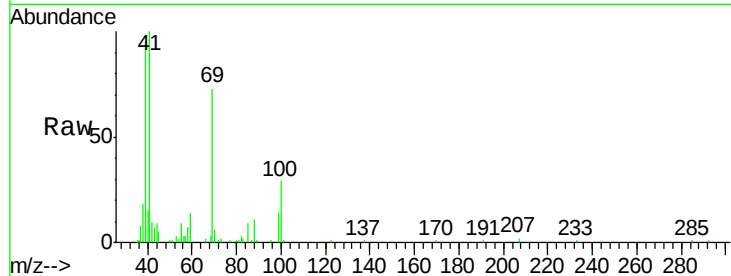
ClientSampleId :

VF0703SBS01

Tot Ion:	88	Resp:	4242
Ion	Ratio	Lower	Upper
88	100		
43	64.4	50.6	75.8
58	69.1	46.6	69.8

Manual Integrations
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#50

Toluene-d8

Concen: 46.059 ug/l

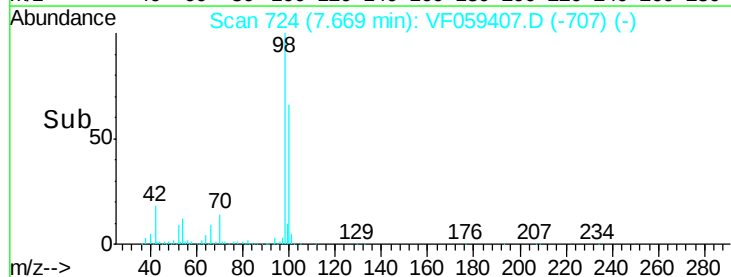
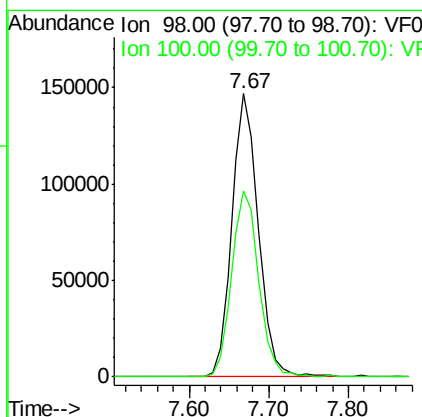
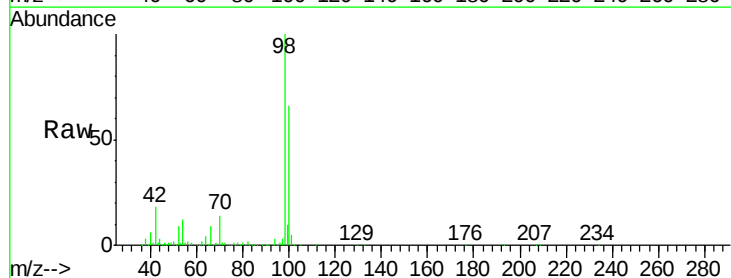
RT: 7.67 min Scan# 724

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	98	Resp:	340629
Ion	Ratio	Lower	Upper
98	100		
100	65.8	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 101.194 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 43 Resp: 223008

Ion Ratio Lower Upper

43 100

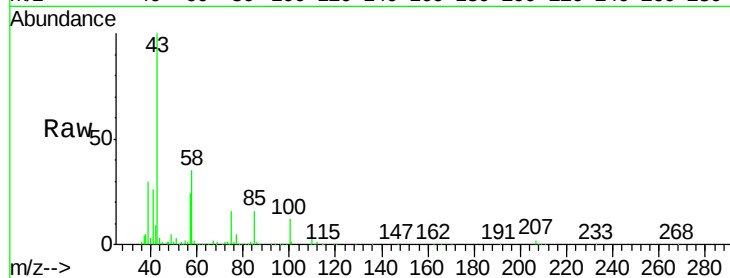
58 35.0 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.37

100000

80000

60000

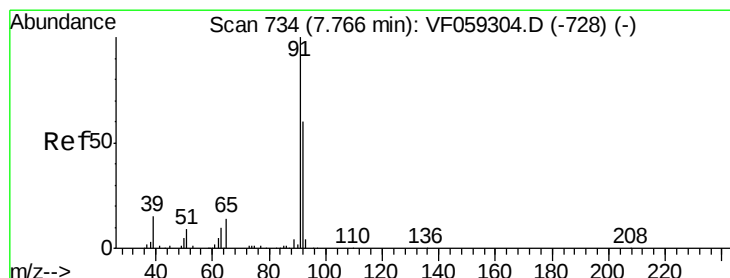
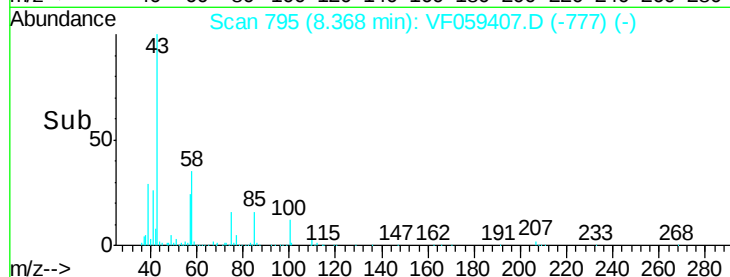
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.777 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059407.D

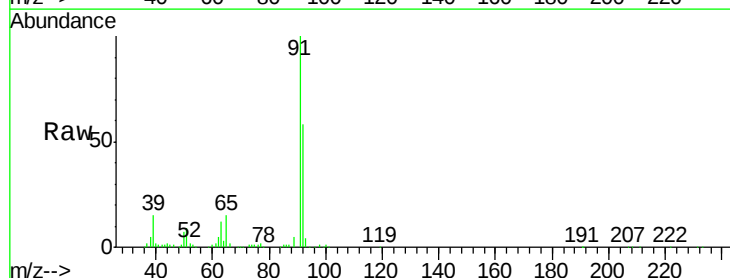
Acq: 3 Jul 2018 12:54

Tgt Ion: 92 Resp: 123104

Ion Ratio Lower Upper

92 100

91 171.5 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.74

100000

80000

60000

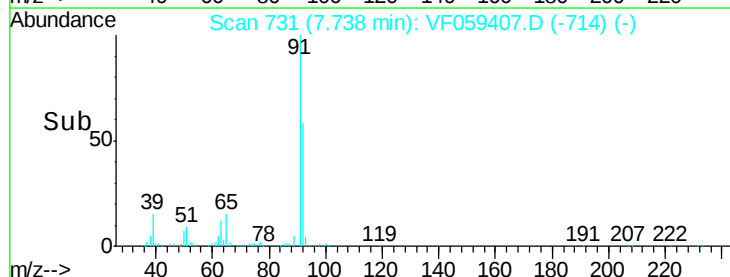
40000

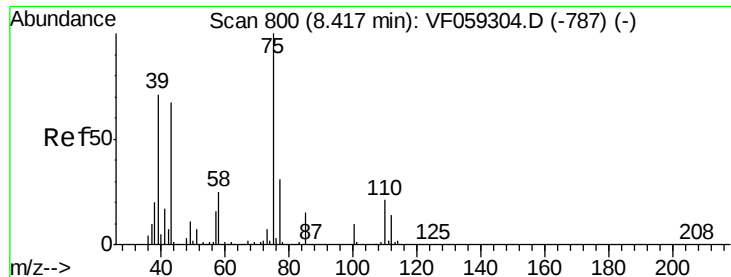
20000

0

7.60 7.70 7.80 7.90

Time-->





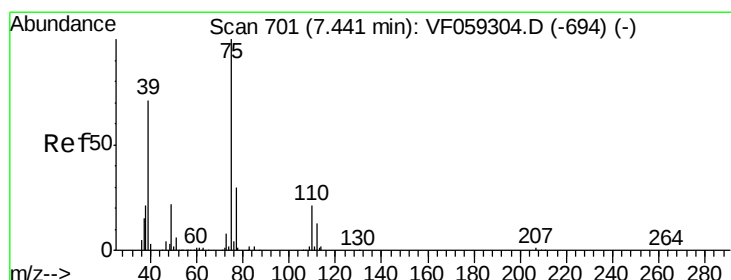
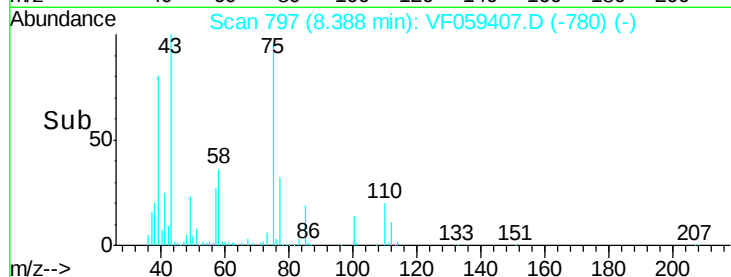
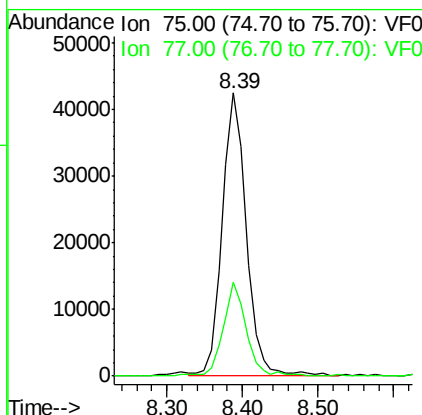
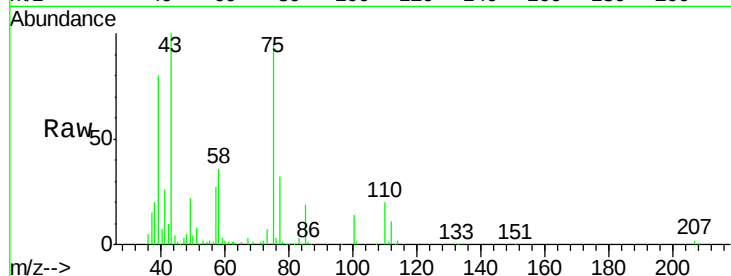
#53
t-1,3-Dichloropropene
Concen: 21.552 ug/l
RT: 8.39 min Scan# 797
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion: 75 Resp: 93372
Ion Ratio Lower Upper
75 100
77 33.3 25.3 37.9

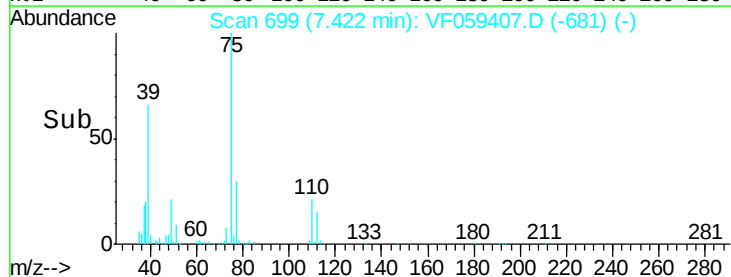
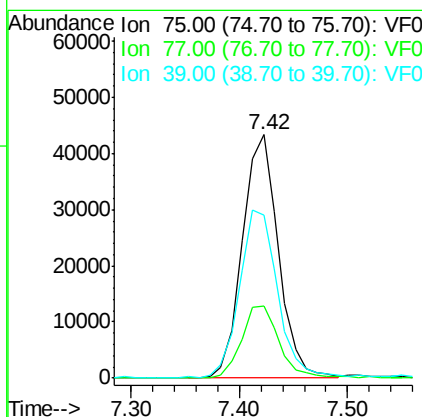
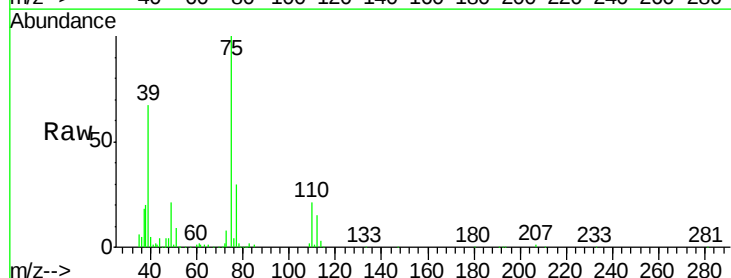
Manual Integrations
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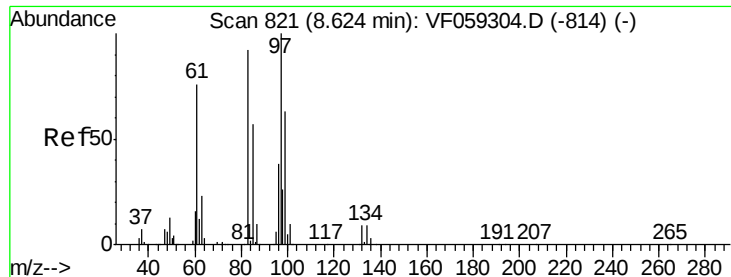
apatel
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#54
cis-1,3-Dichloropropene
Concen: 21.336 ug/l
RT: 7.42 min Scan# 699
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion: 75 Resp: 100409
Ion Ratio Lower Upper
75 100
77 29.6 24.3 36.5
39 67.0 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.108 ug/l

RT: 8.60 min Scan# 819

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

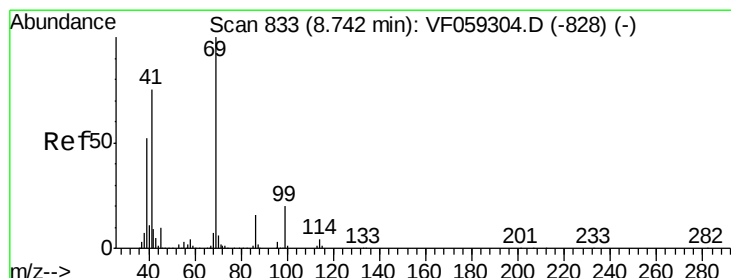
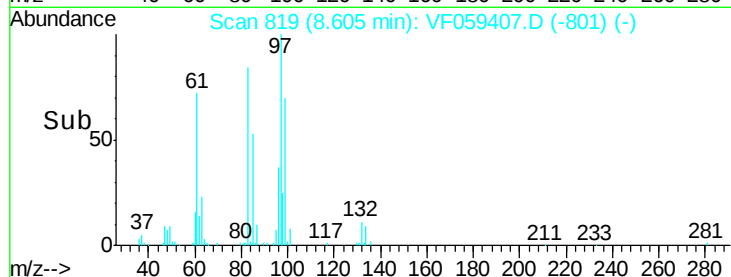
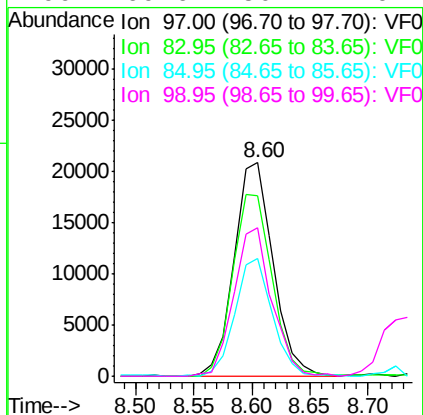
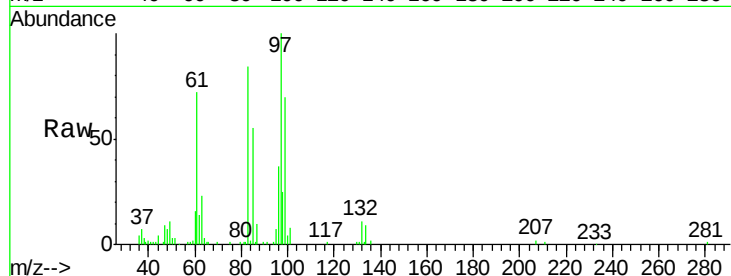
ClientSampleId :

VF0703SBSD01

Tot Ion:	97	Resp:	48557
Ion	Ratio	Lower	Upper
97	100		
83	84.4	73.8	110.8
85	55.0	45.5	68.3
99	69.6	50.7	76.1

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#56

Ethyl methacrylate

Concen: 20.146 ug/l

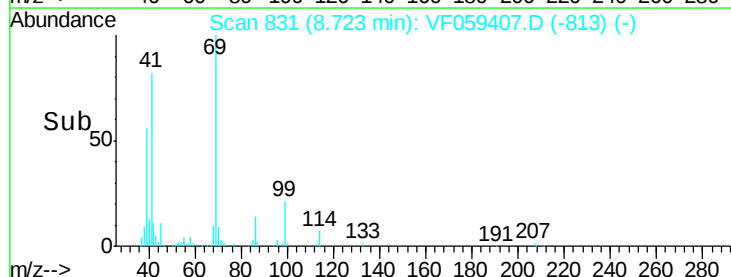
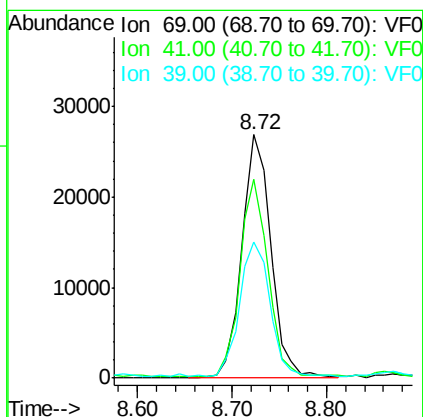
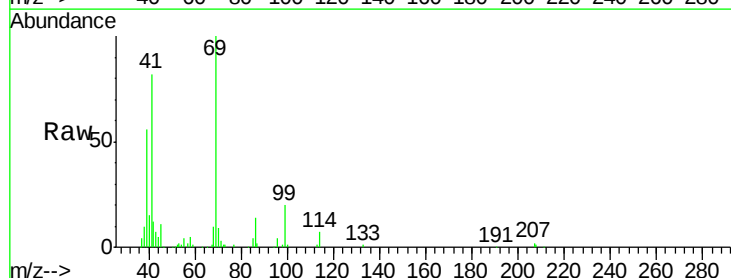
RT: 8.72 min Scan# 831

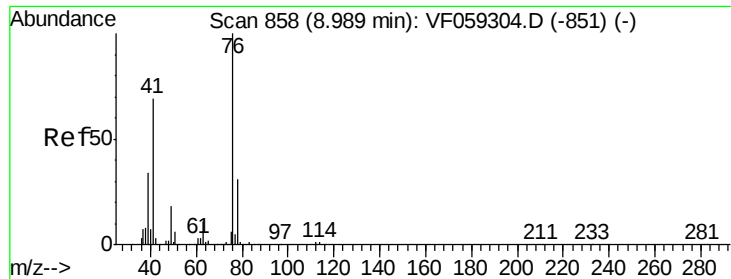
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	69	Resp:	57412
Ion	Ratio	Lower	Upper
69	100		
41	81.8	60.3	90.5
39	55.9	42.2	63.4





#57

1,3-Dichloropropane

Concen: 21.957 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion: 76 Resp: 86628

Ion Ratio Lower Upper

76 100

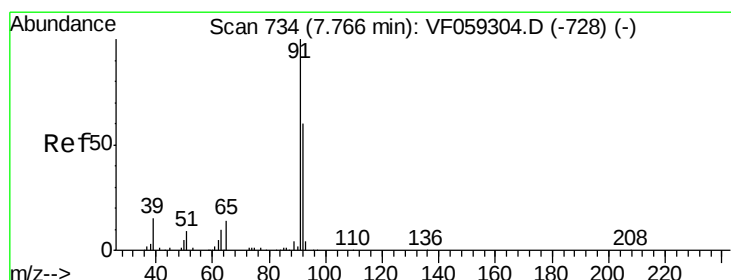
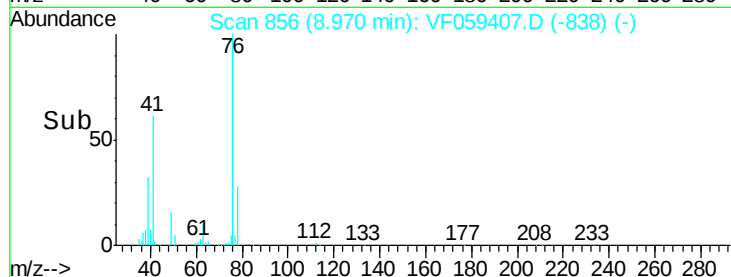
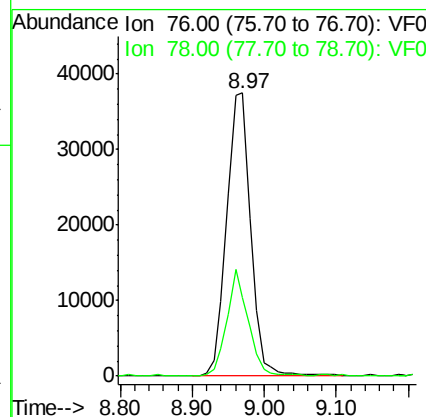
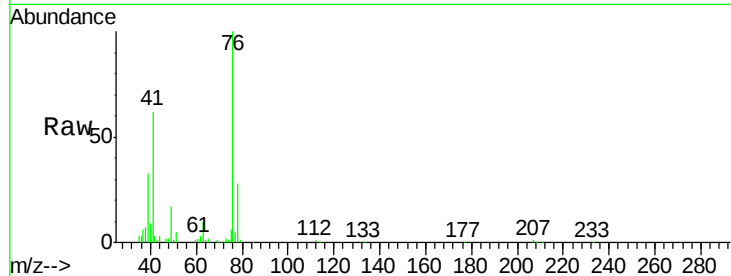
78 27.9 24.9 37.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.438 ug/l

RT: 7.74 min Scan# 731

Delta R.T. -0.03 min

Lab File: VF059407.D

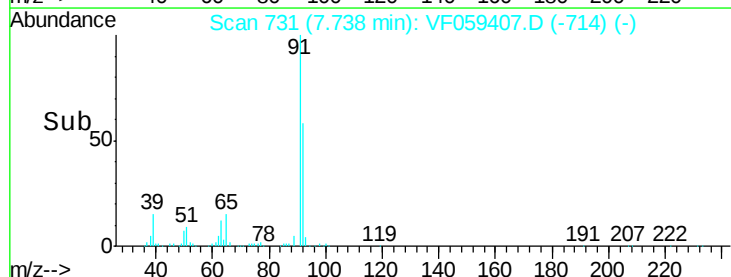
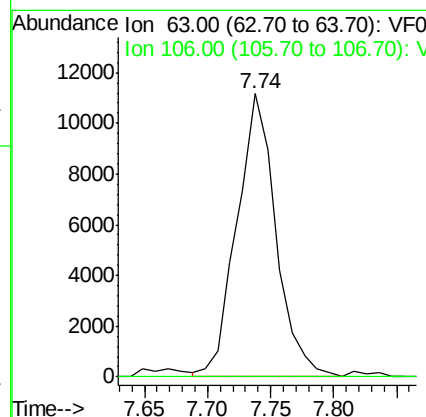
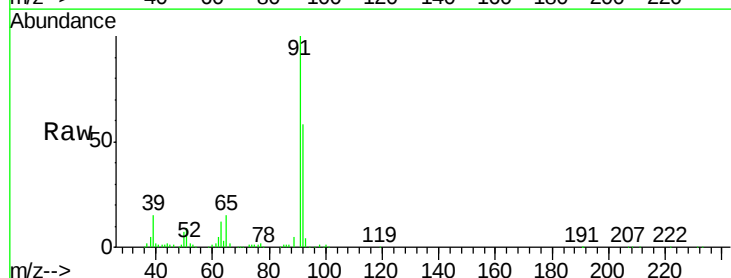
Acq: 3 Jul 2018 12:54

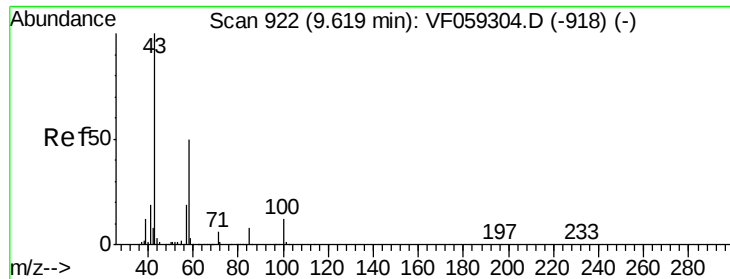
Tgt Ion: 63 Resp: 24031

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





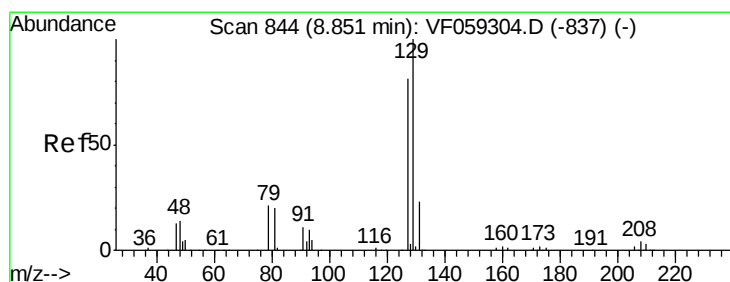
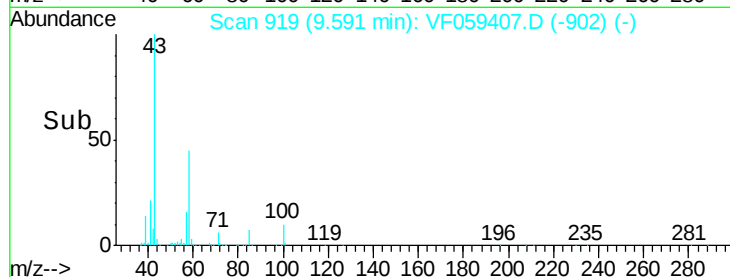
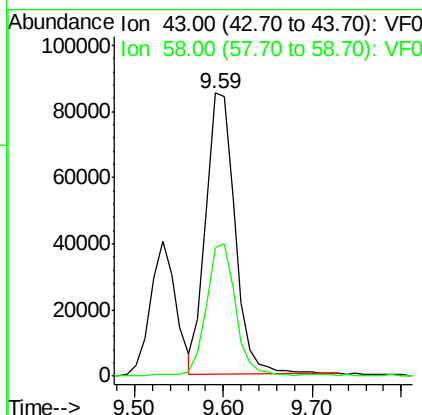
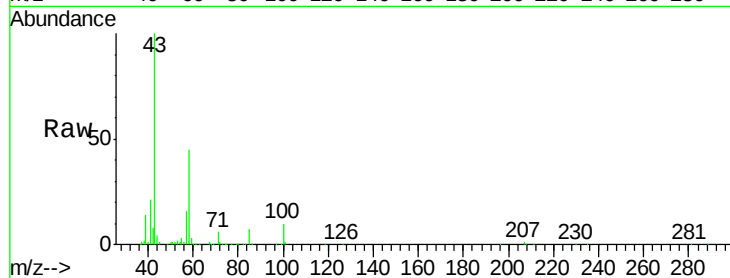
#59
2-Hexanone
Concen: 107.007 ug/l
RT: 9.59 min Scan# 919
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion: 43 Resp: 193162
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.9

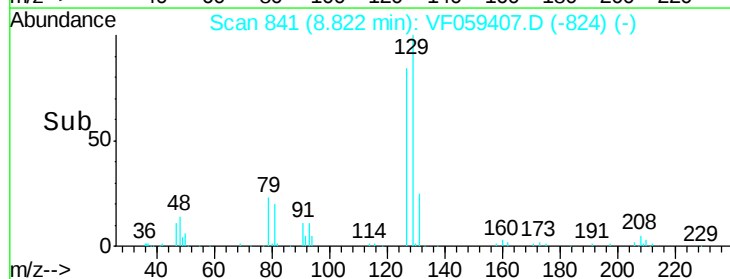
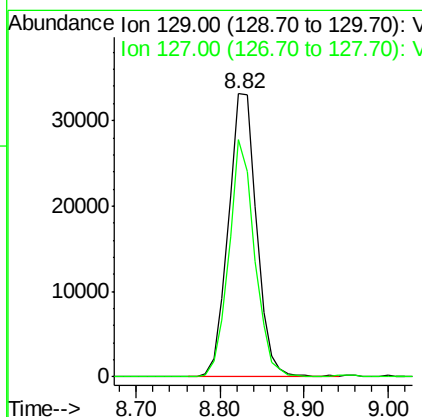
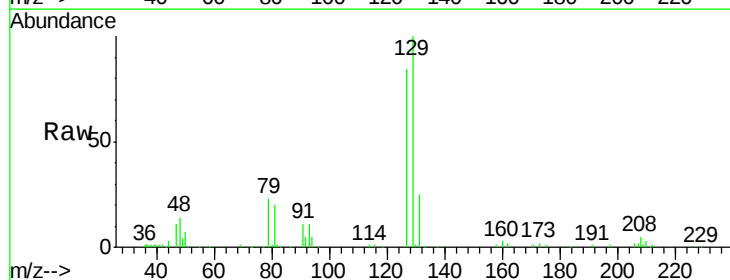
Manual Integrations
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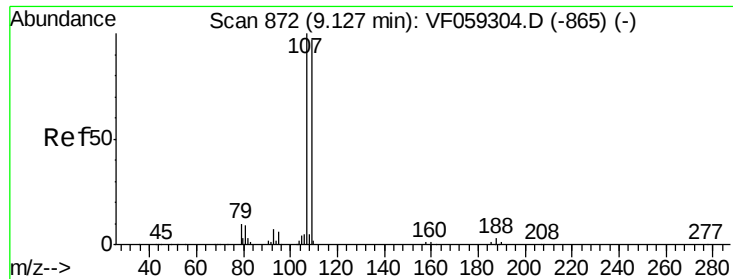
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#60
Dibromochloromethane
Concen: 21.920 ug/l
RT: 8.82 min Scan# 841
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion: 129 Resp: 77848
Ion Ratio Lower Upper
129 100
127 83.8 40.7 122.1





#61

1,2-Dibromoethane

Concen: 21.282 ug/l

RT: 9.10 min Scan# 869

Delta R.T. -0.03 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:107 Resp: 59376

Ion Ratio Lower Upper

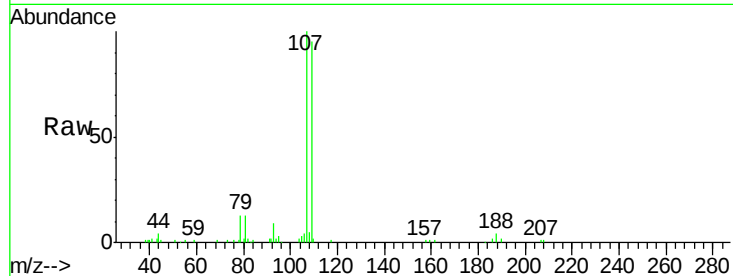
107 100

109 95.1 77.3 115.9

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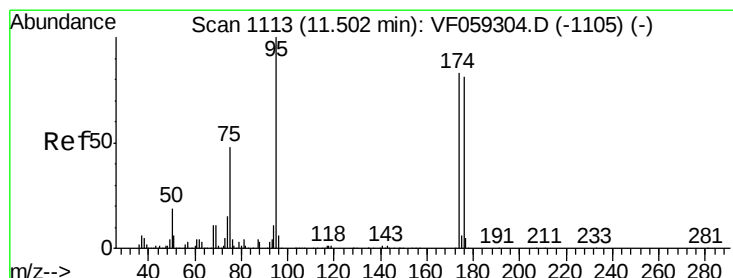
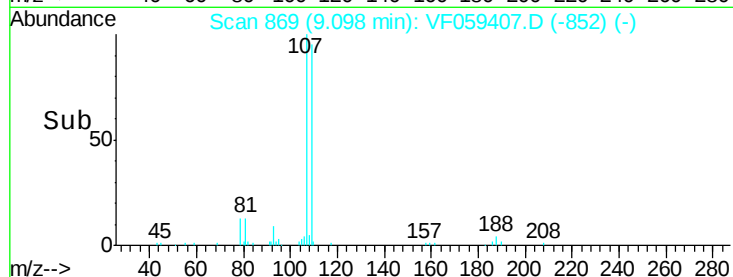
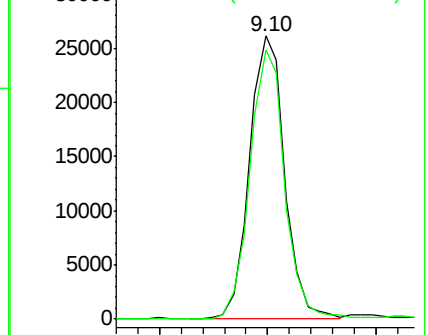
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.130 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

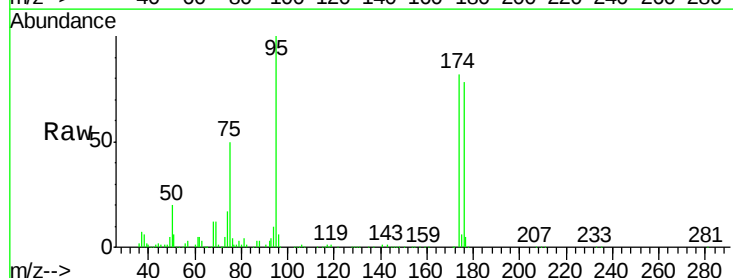
Tgt Ion: 95 Resp: 200783

Ion Ratio Lower Upper

95 100

174 82.0 0.0 165.2

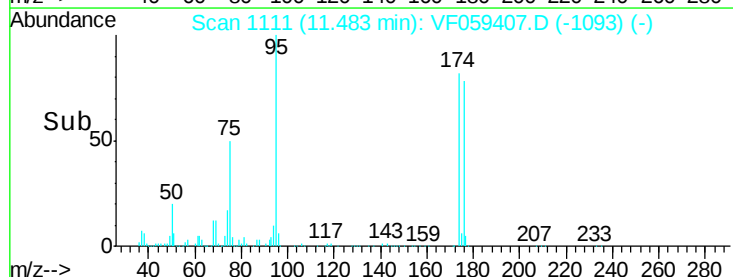
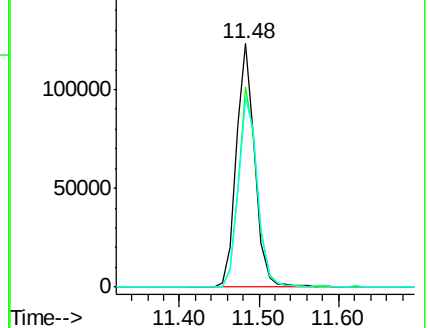
176 77.6 0.0 161.0

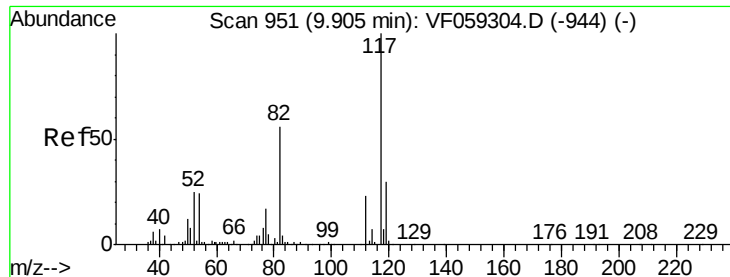


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





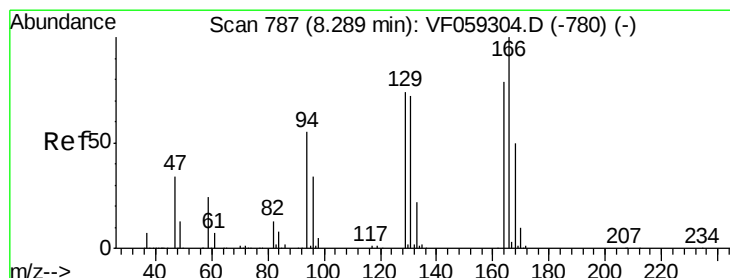
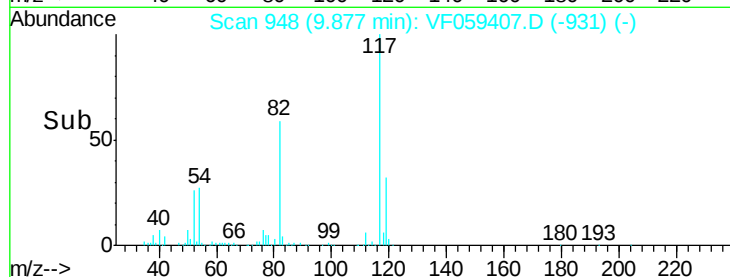
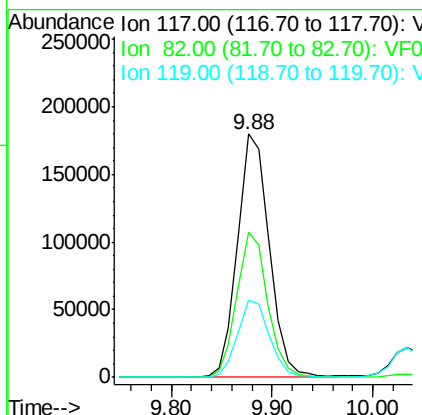
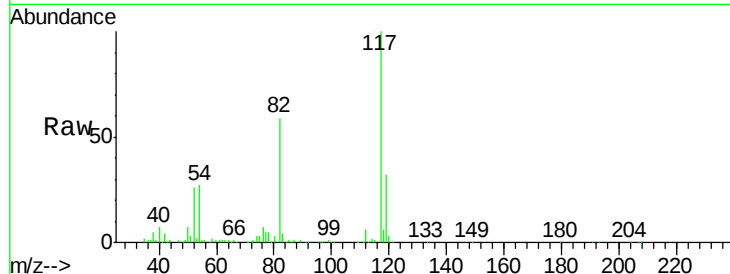
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.88 min Scan# 948
Delta R.T. -0.03 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	395630		
82	59.4		44.6	66.8
119	31.8		24.1	36.1

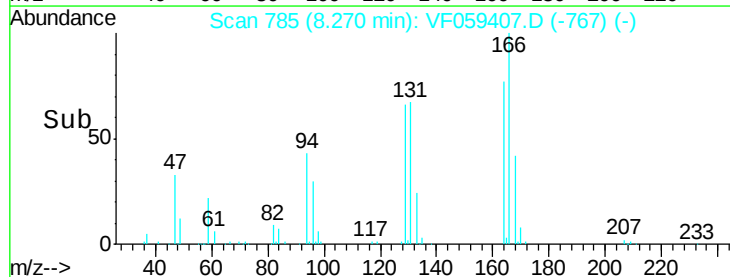
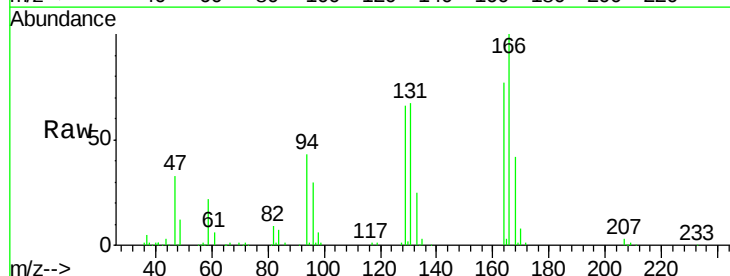
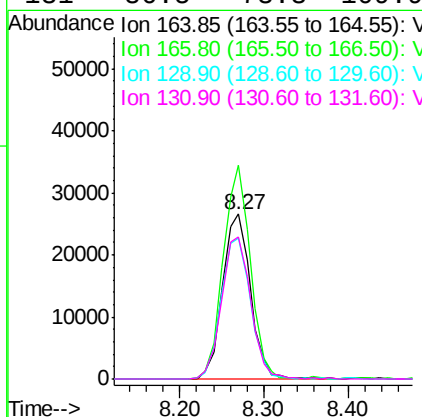
Manual Integrations
APPROVED

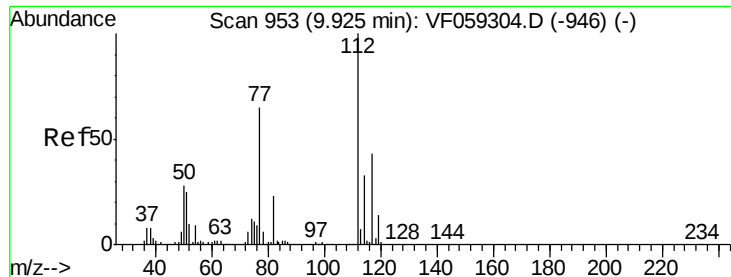
apatel
7/5/2018 12:41:27 PM



#64
Tetrachloroethene
Concen: 23.869 ug/l
RT: 8.27 min Scan# 785
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61248		
166	129.6		101.1	151.7
129	85.2		75.0	112.4
131	86.5		73.3	109.9





#65

Chlorobenzene

Concen: 22.005 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:112 Resp: 161321

Ion Ratio Lower Upper

112 100

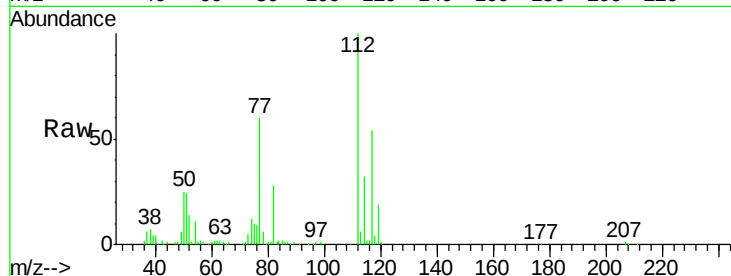
114 32.4 26.5 39.7

Manual Integrations

APPROVED

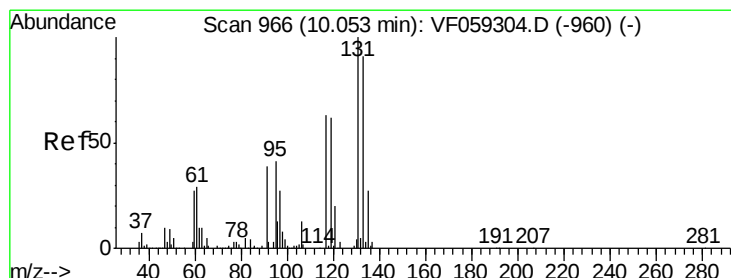
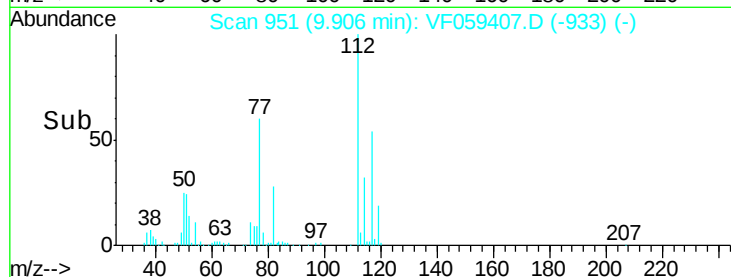
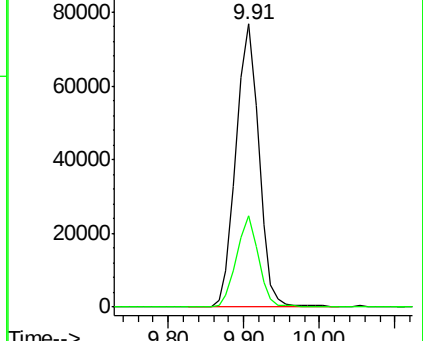
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.920 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

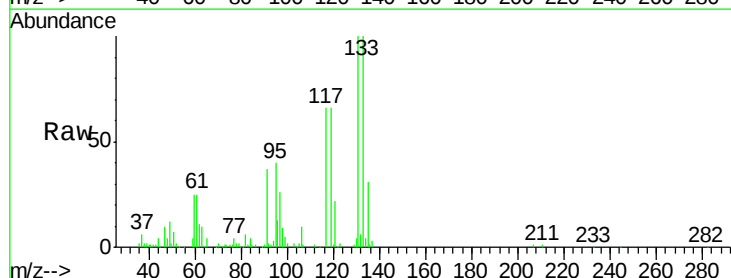
Tgt Ion:131 Resp: 69502

Ion Ratio Lower Upper

131 100

133 100.0 45.3 135.9

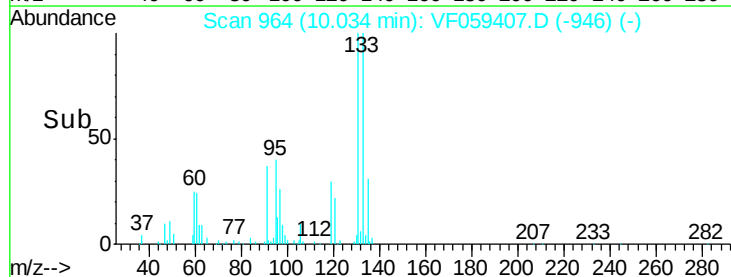
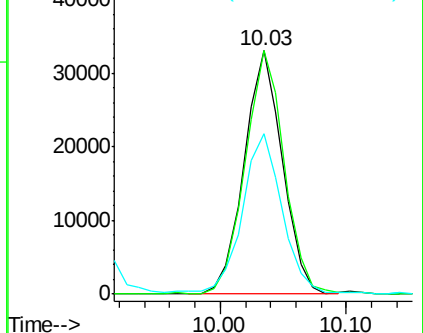
119 66.0 31.3 93.9

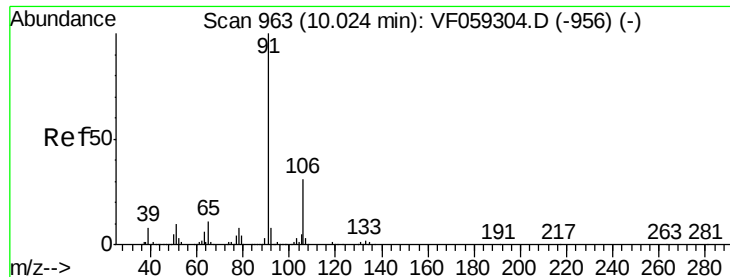


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.742 ug/l

RT: 10.00 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tot Ion: 91 Resp: 282838

Ion Ratio Lower Upper

91 100

106 29.2 24.8 37.2

Instrument :

MSVOA_F

ClientSampleId :

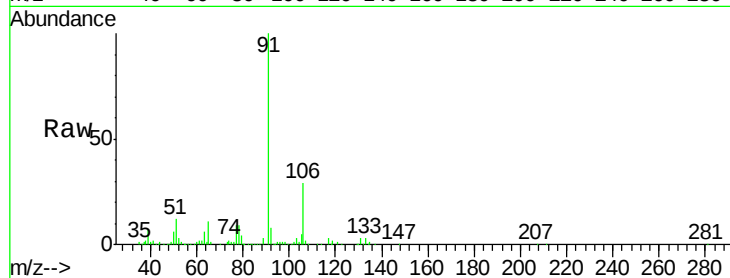
VF0703SBS01

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

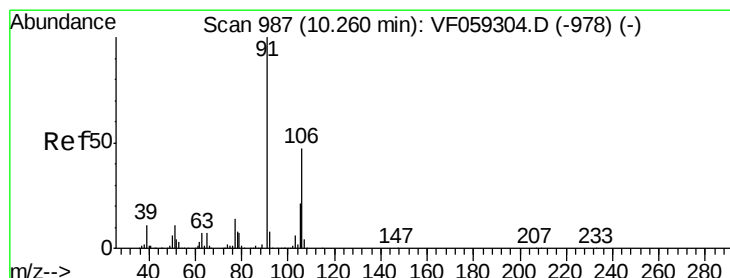
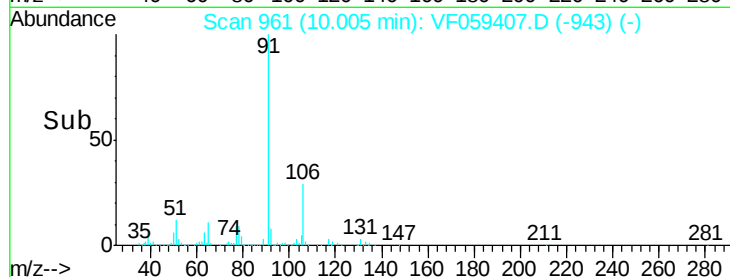
100000

50000

0

9.90 10.00 10.10

Time-->



#68

m/p-Xylenes

Concen: 45.782 ug/l

RT: 10.23 min Scan# 984

Delta R.T. -0.03 min

Lab File: VF059407.D

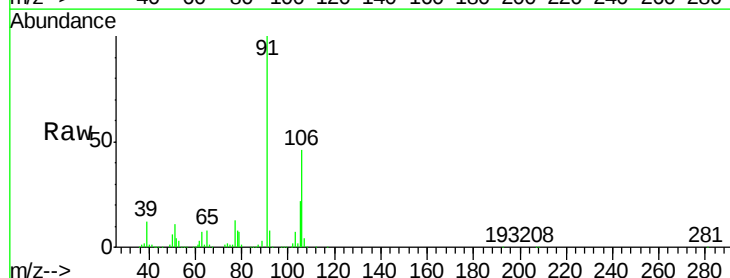
Acq: 3 Jul 2018 12:54

Tgt Ion: 106 Resp: 202658

Ion Ratio Lower Upper

106 100

91 216.3 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

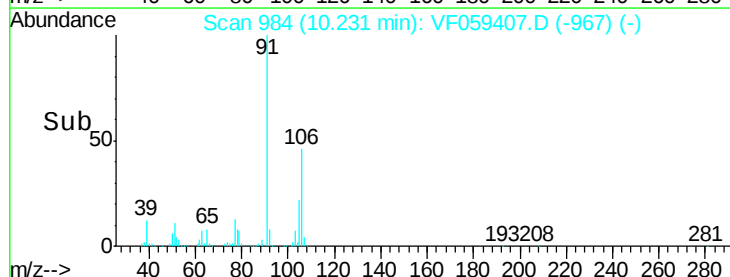
100000

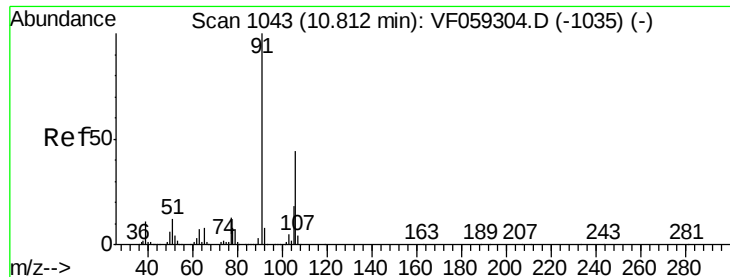
50000

0

10.10 10.20 10.30 10.40

Time-->





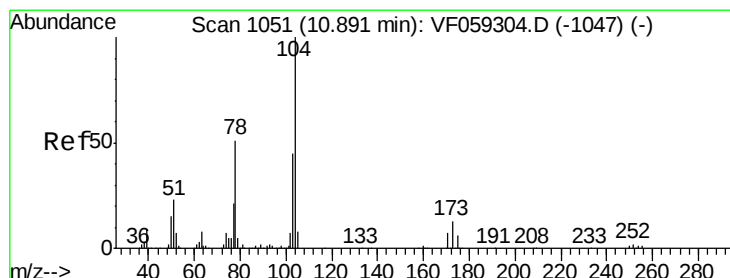
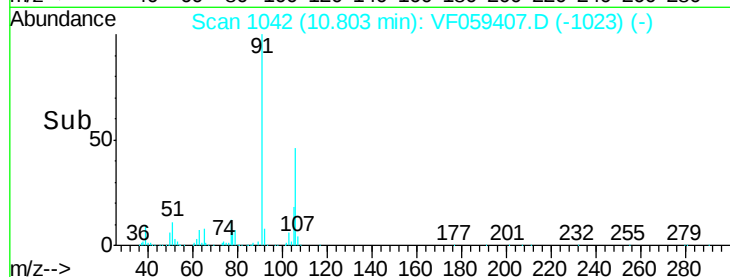
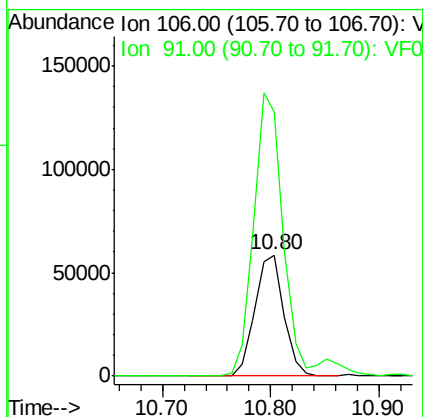
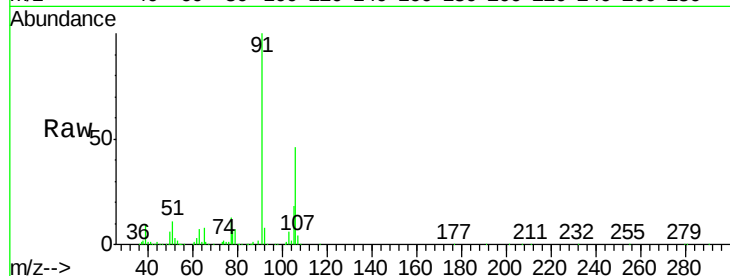
#69
o-Xylene
Concen: 22.125 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.3	114.6	343.6

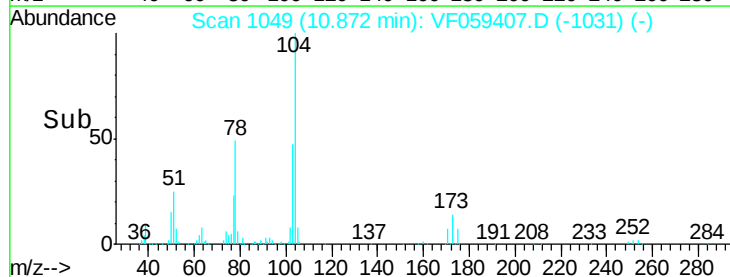
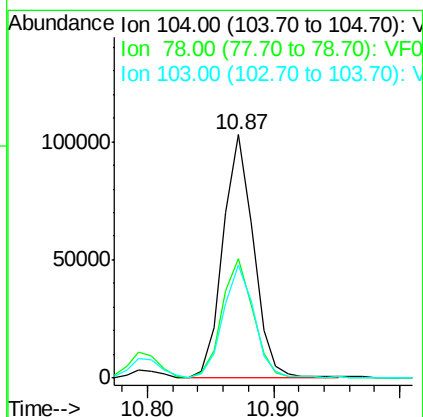
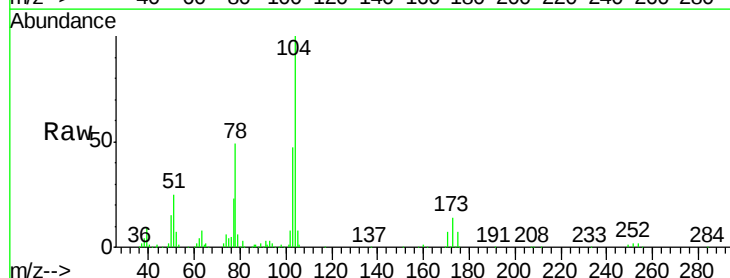
Manual Integrations
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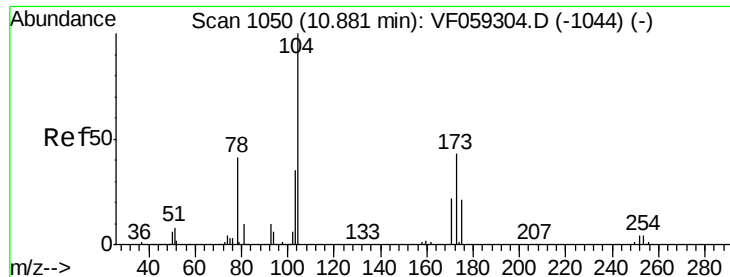
apatel
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#70
Styrene
Concen: 22.829 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	40.9	61.3
103	46.6	36.5	54.7





#71

Bromoform

Concen: 22.448 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

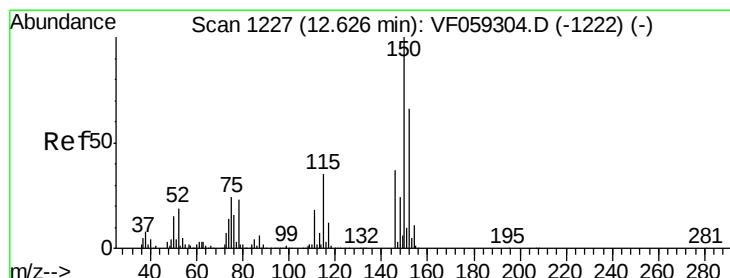
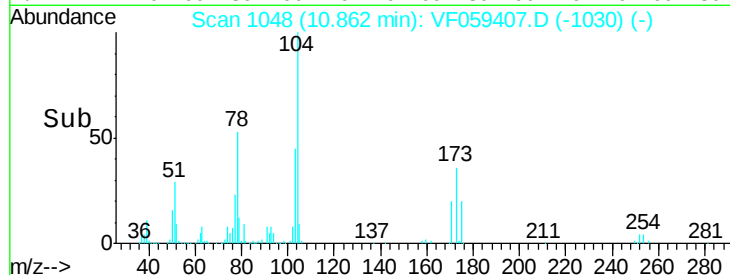
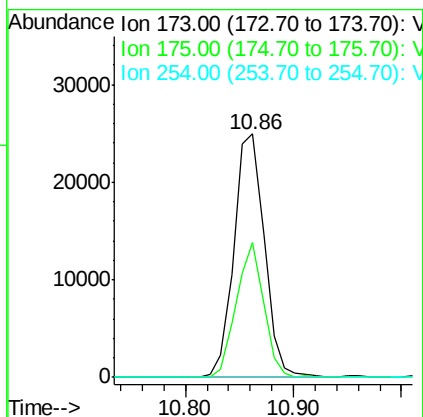
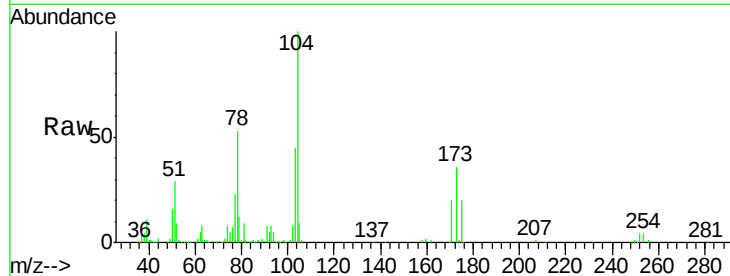
ClientSampleId :

VF0703SBSD01

Tot Ion:	173	Resp:	48786
Ion Ratio	Lower	Upper	
173	100		
175	57.0	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

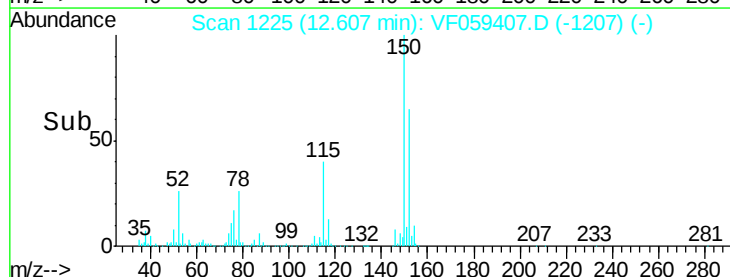
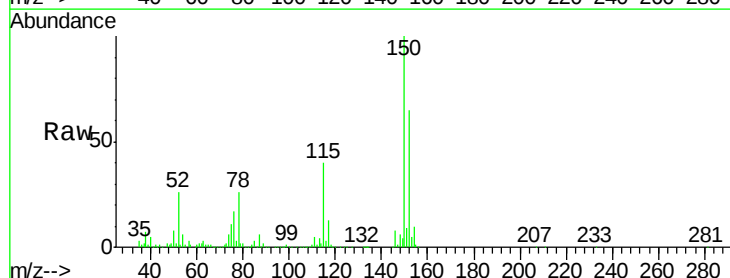
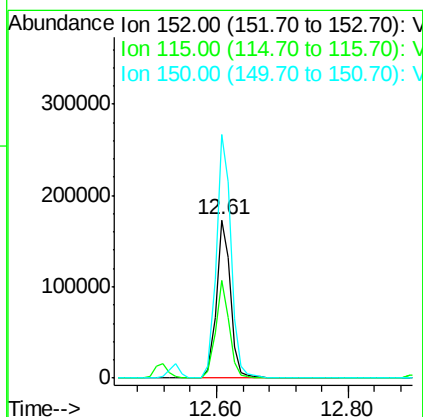
RT: 12.61 min Scan# 1225

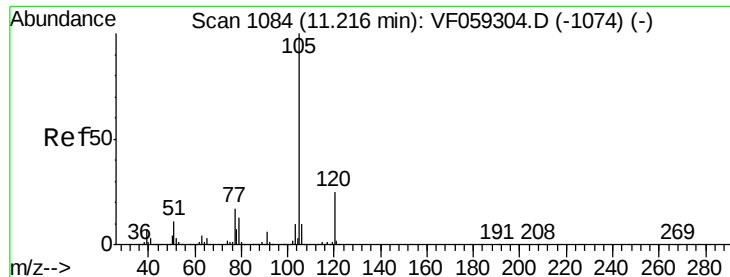
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	152	Resp:	256056
Ion Ratio	Lower	Upper	
152	100		
115	61.6	27.1	81.3
150	153.6	0.0	305.2





#73

Isopropylbenzene

Concen: 22.480 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:105 Resp: 335343

Ion Ratio Lower Upper

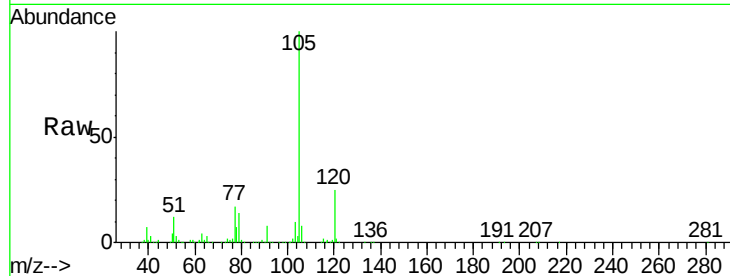
105 100

120 24.9 12.3 36.8

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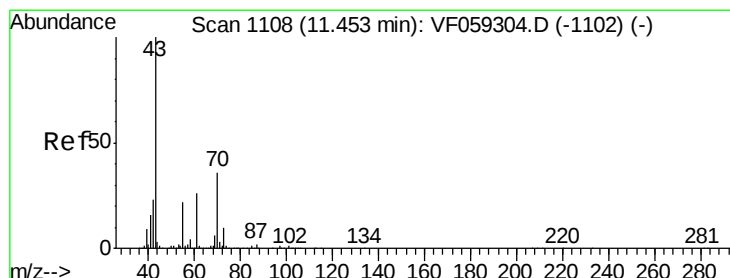
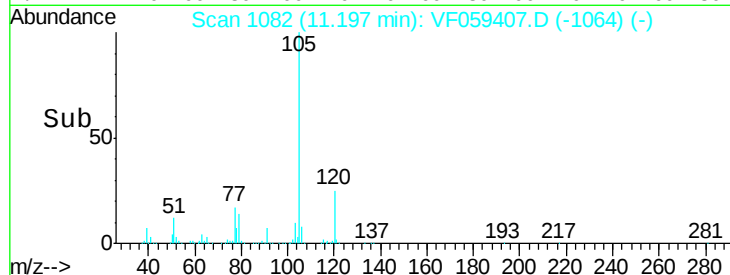
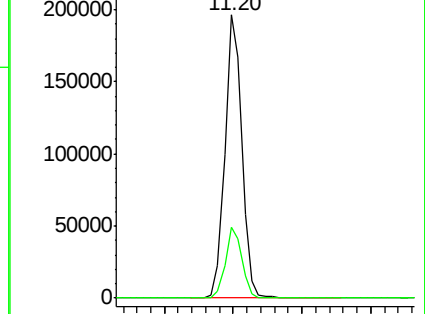
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.791 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion: 43 Resp: 117959

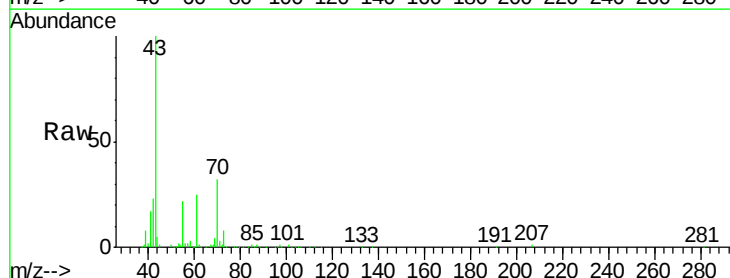
Ion Ratio Lower Upper

43 100

70 32.3 28.8 43.2

55 21.8 17.4 26.0

61 25.1 21.1 31.7

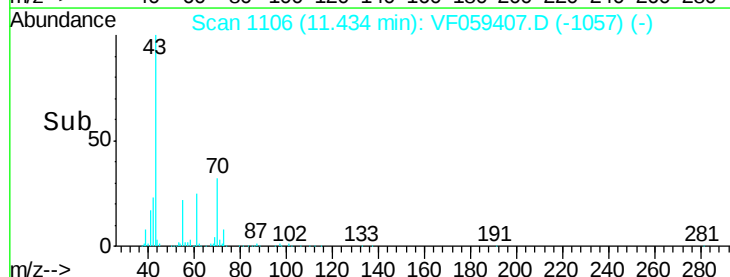
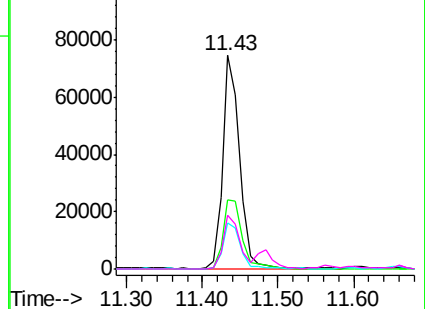


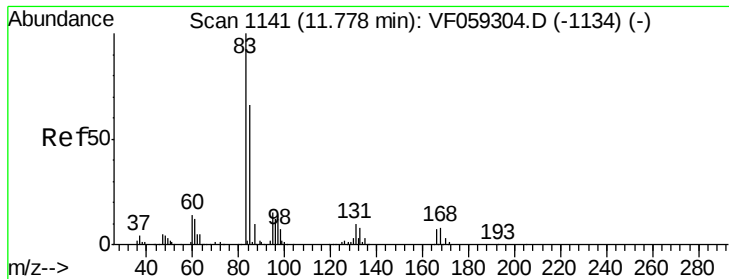
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.605 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

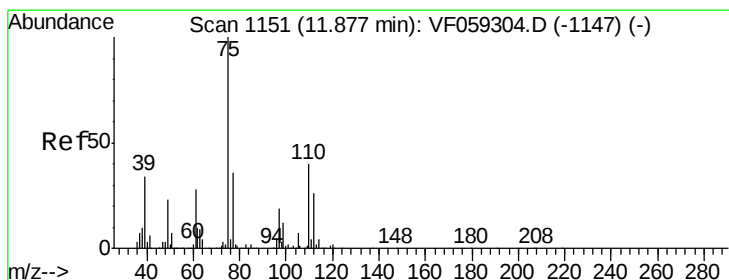
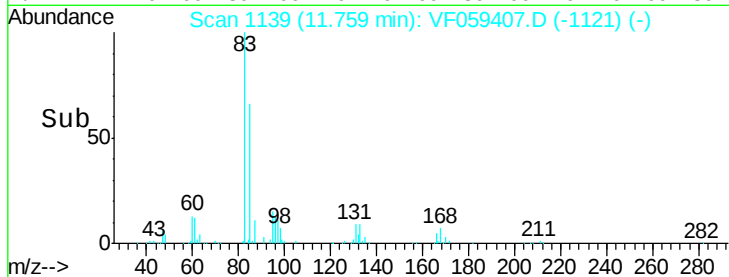
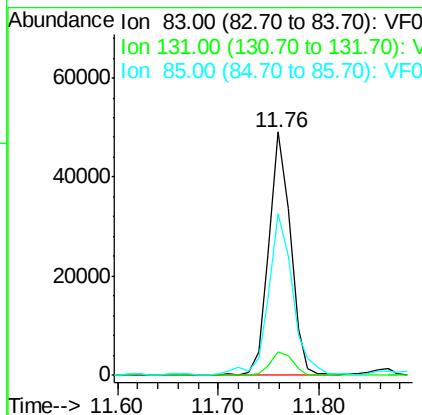
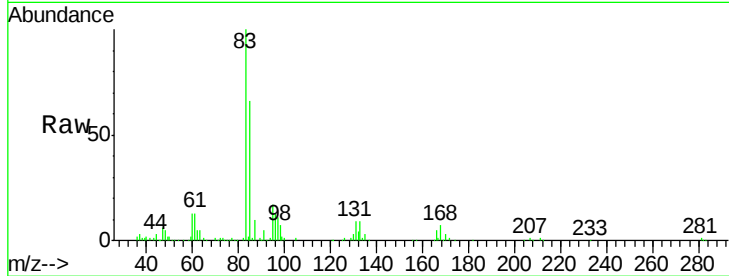
ClientSampleId :

VF0703SBS01

Tot Ion:	83	Resp:	73859
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.6
85	66.2	32.8	98.4

Manual Integrations
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7/5/2018 12:41:27 PM



#76

1,2,3-Trichloropropane

Concen: 21.518 ug/l

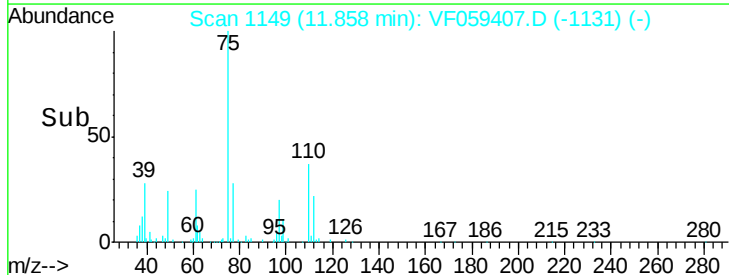
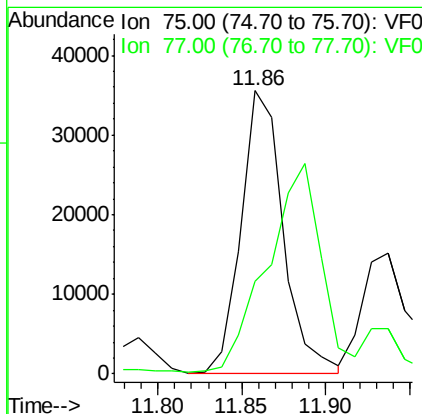
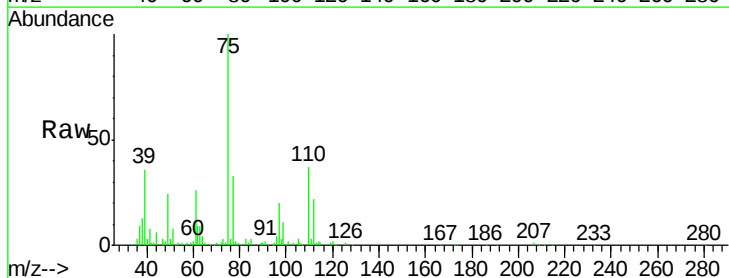
RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	75	Resp:	61150
Ion Ratio	Lower	Upper	
75	100		
77	32.9	18.0	54.0





#77

Bromobenzene

Concen: 20.942 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:156 Resp: 86673

Ion Ratio Lower Upper

156 100

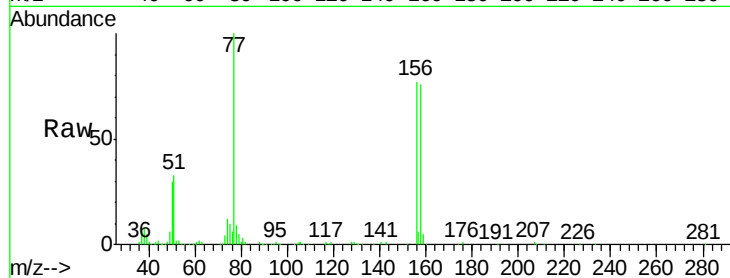
77 130.2 79.7 238.9

158 98.7 46.2 138.6

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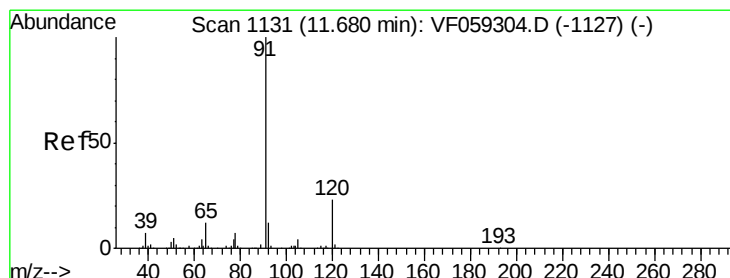
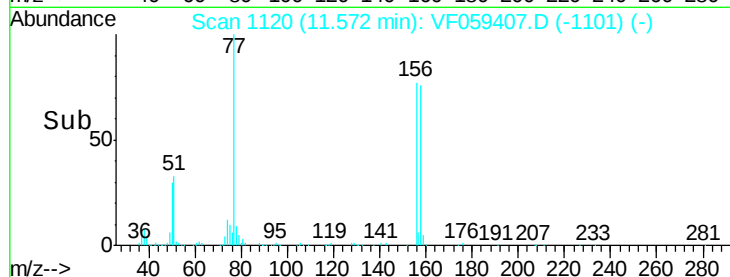
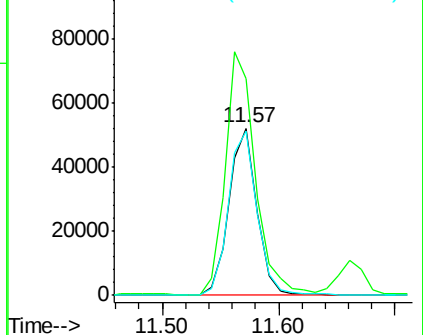
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.855 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF059407.D

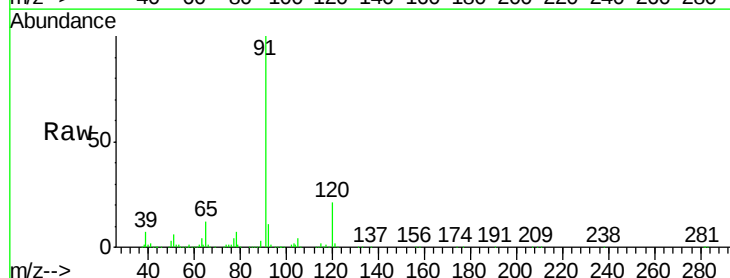
Acq: 3 Jul 2018 12:54

Tgt Ion: 91 Resp: 391529

Ion Ratio Lower Upper

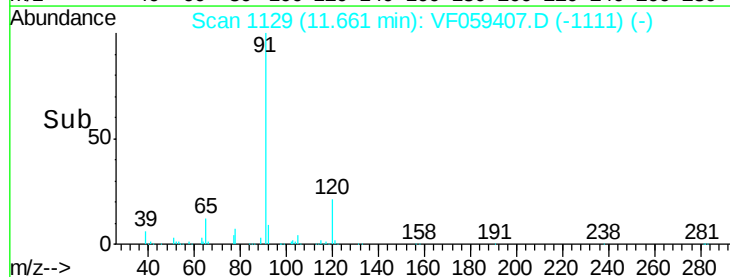
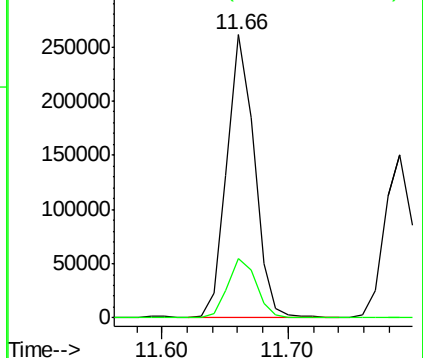
91 100

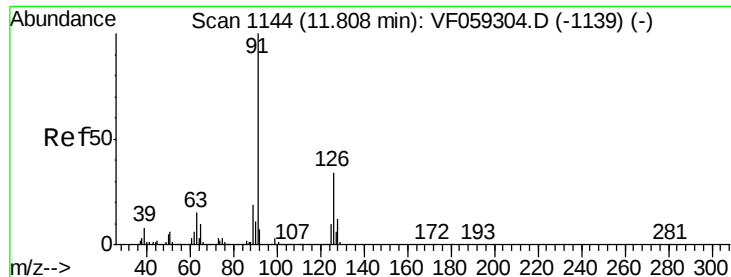
120 21.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





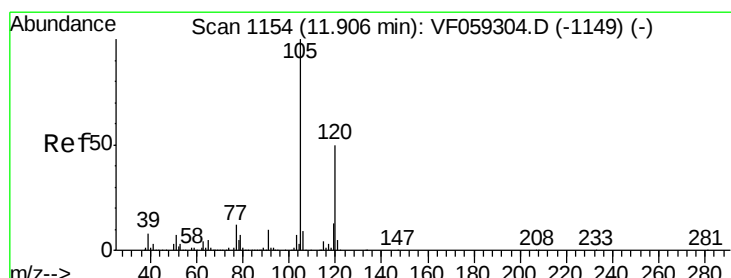
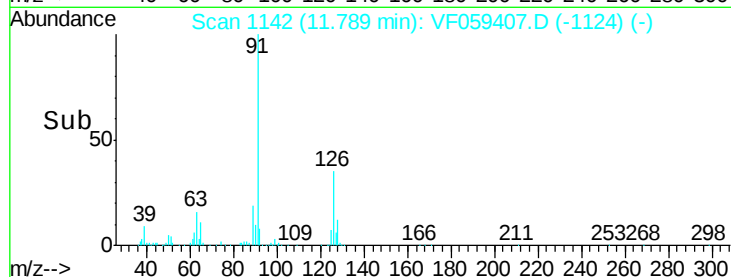
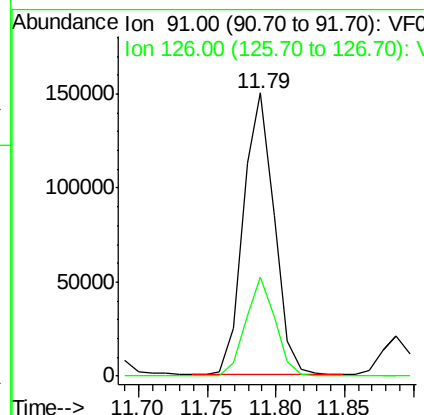
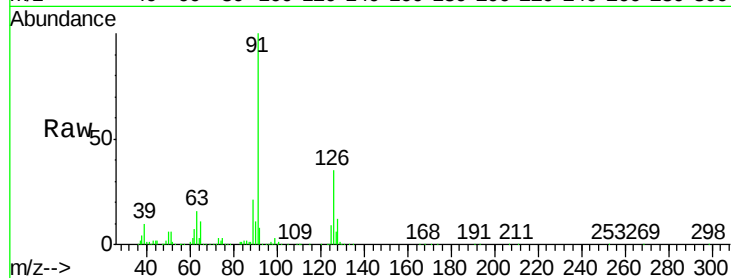
#79
2-Chlorotoluene
Concen: 21.324 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.5

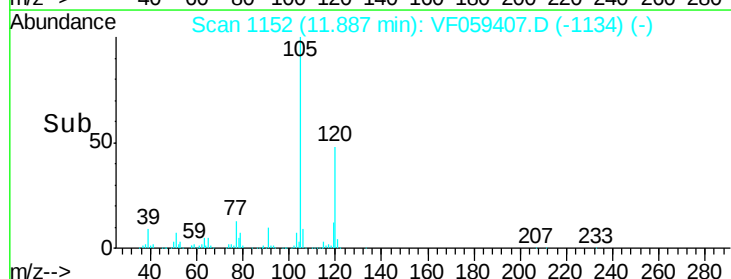
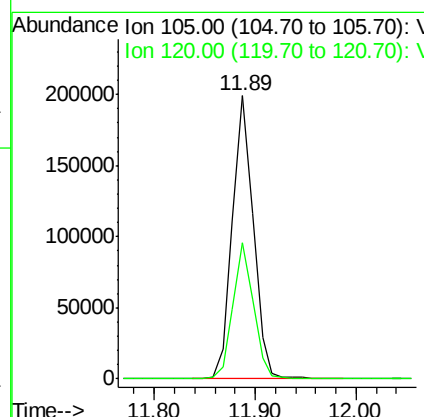
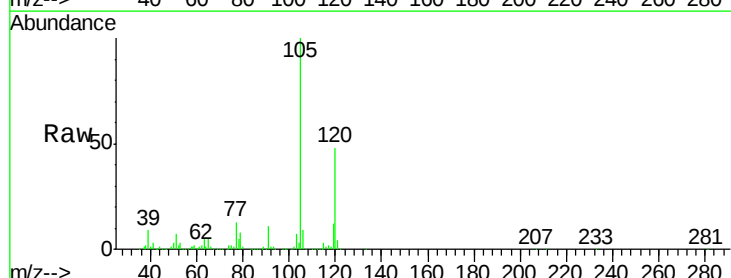
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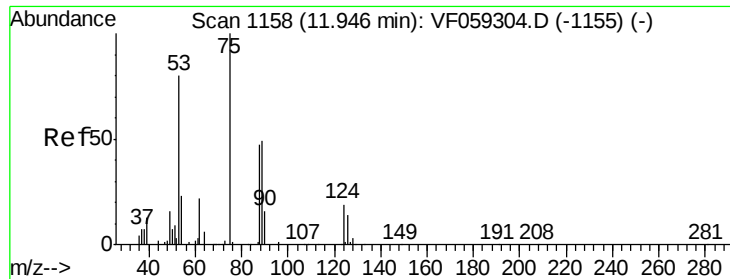
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#80
1,3,5-Trimethylbenzene
Concen: 22.024 ug/l
RT: 11.89 min Scan# 1152
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	24.9	74.7





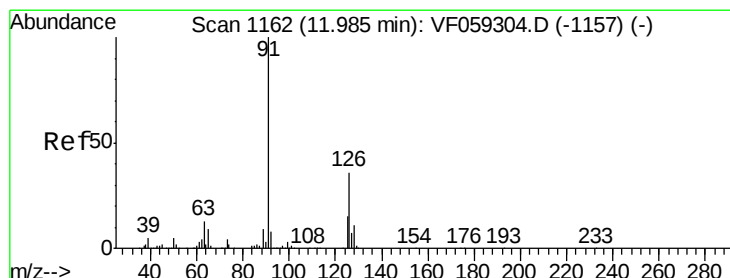
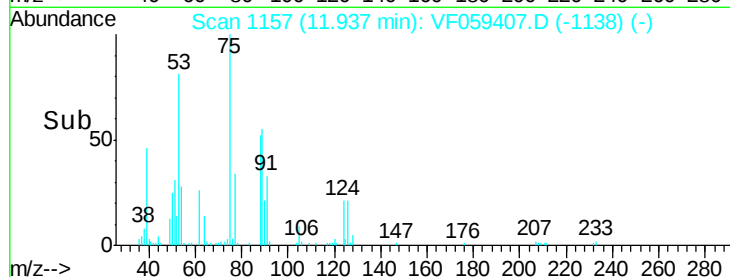
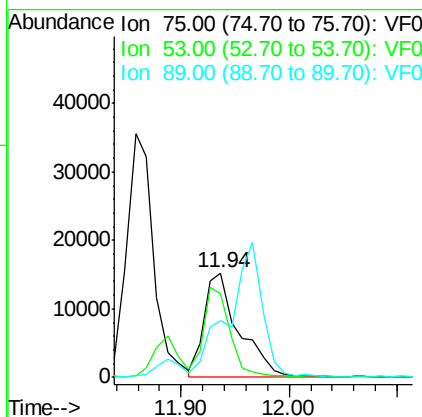
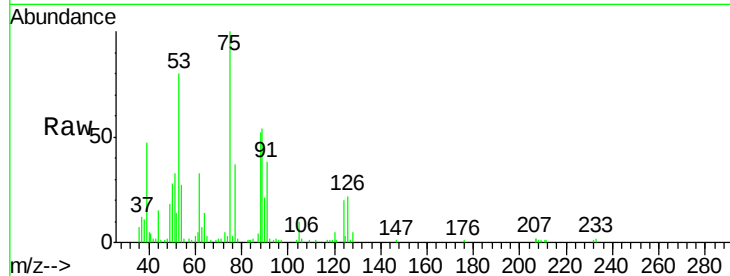
#81
trans-1,4-Dichloro-2-butene
Concen: 20.313 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.3	68.8	103.2
89	54.2	42.0	63.0

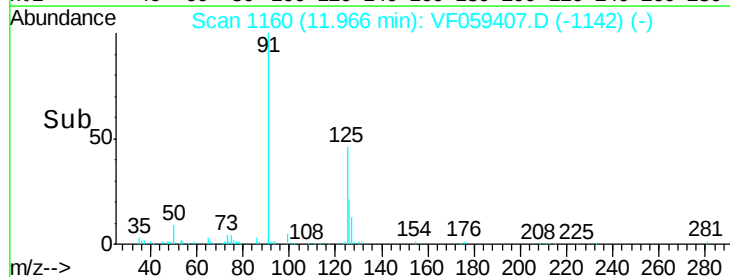
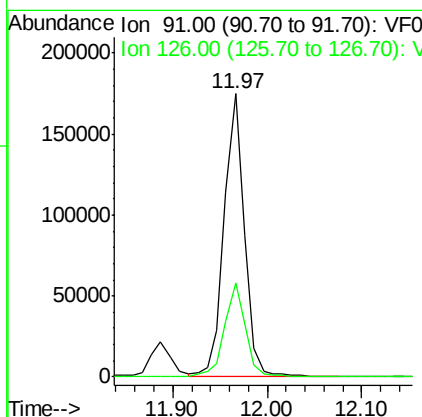
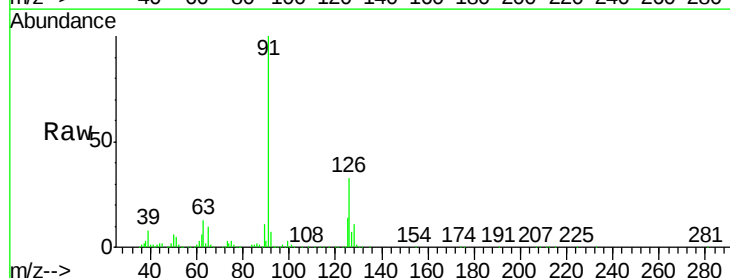
Manual Integrations
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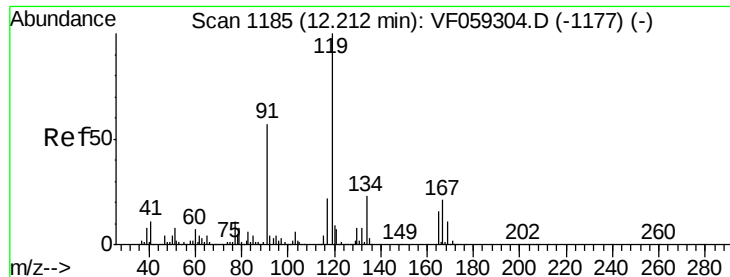
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#82
4-Chlorotoluene
Concen: 22.096 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.2	54.6





#83

tert-Butylbenzene

Concen: 22.551 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

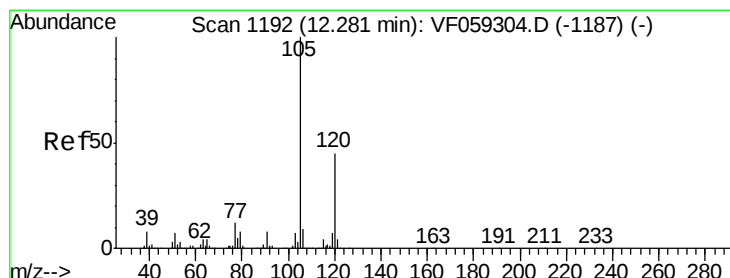
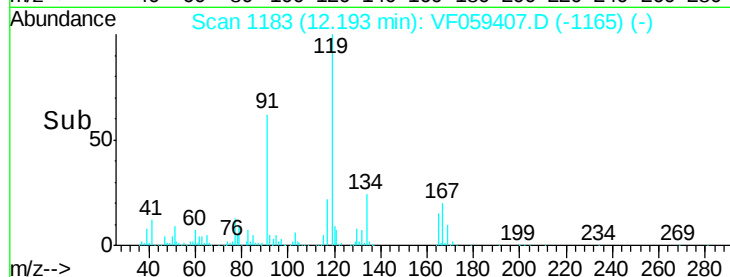
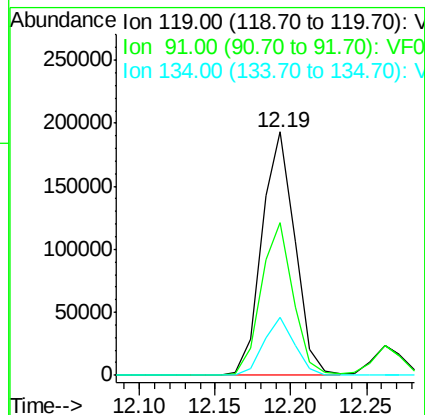
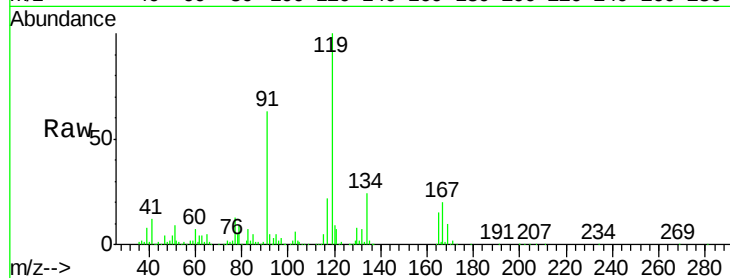
ClientSampleId :

VF0703SBSD01

Tot Ion:	119	Resp:	294714
Ion Ratio	Lower	Upper	
119	100		
91	62.7	28.4	85.2
134	23.9	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.135 ug/l

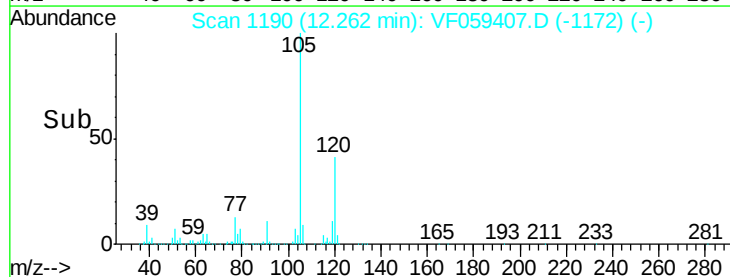
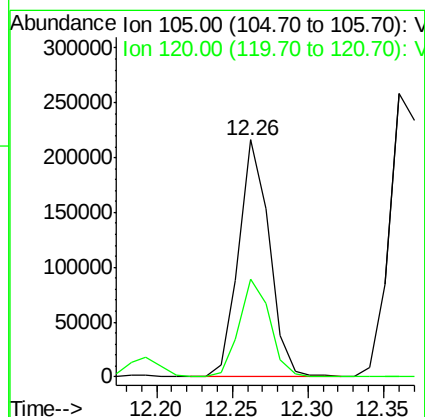
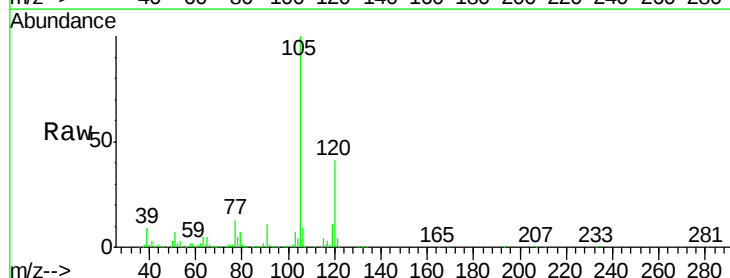
RT: 12.26 min Scan# 1190

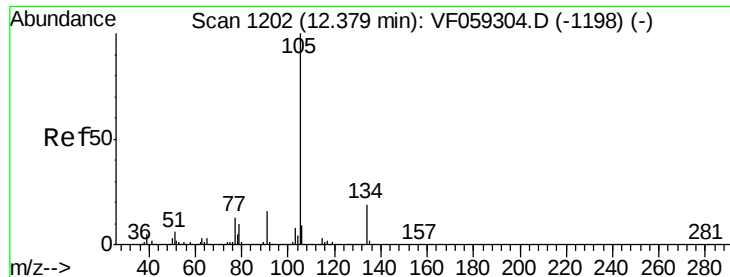
Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	105	Resp:	304624
Ion Ratio	Lower	Upper	
105	100		
120	41.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 22.756 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

ClientSampleId :

VF0703SBS01

Tot Ion:105 Resp: 394211

Ion Ratio Lower Upper

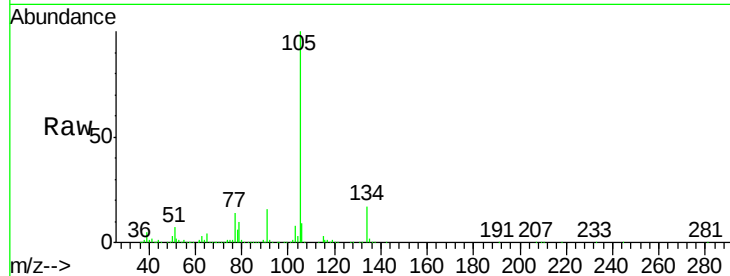
105 100

134 16.7 9.4 28.3

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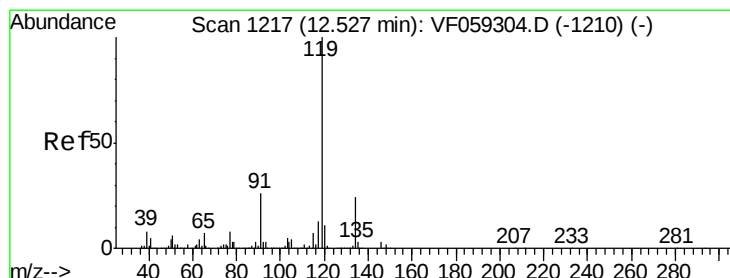
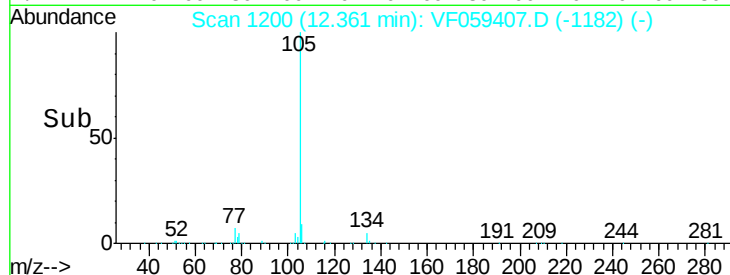
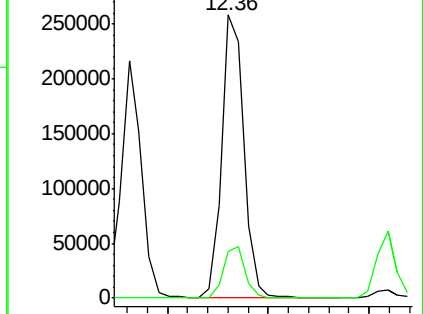
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.224 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

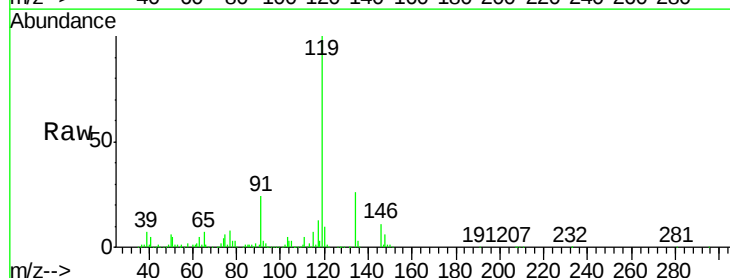
Tgt Ion:119 Resp: 323089

Ion Ratio Lower Upper

119 100

134 26.0 12.2 36.4

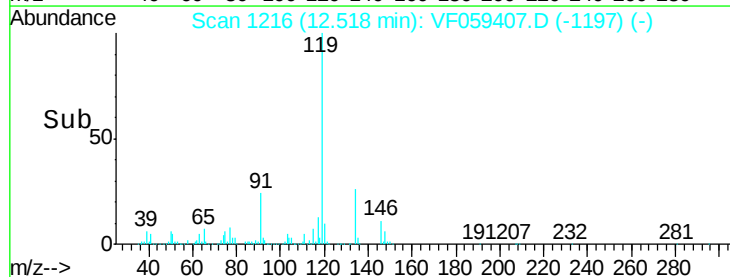
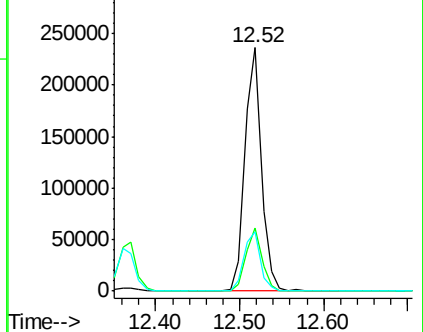
91 24.4 12.9 38.6

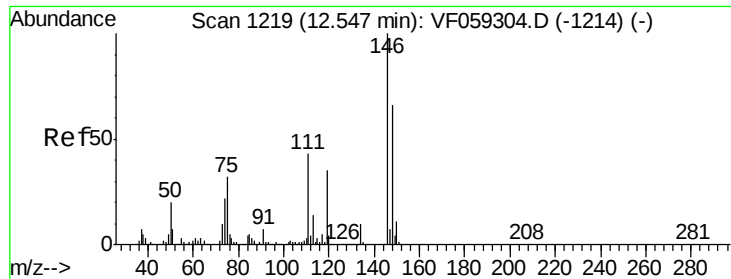


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 24.284 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

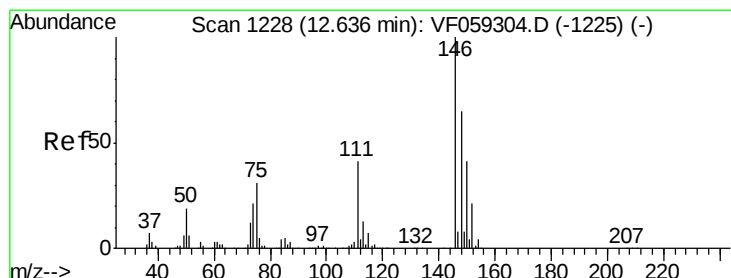
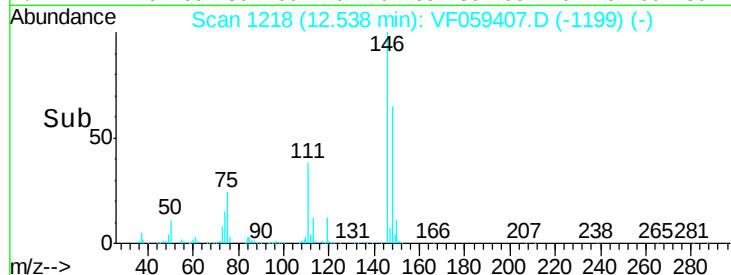
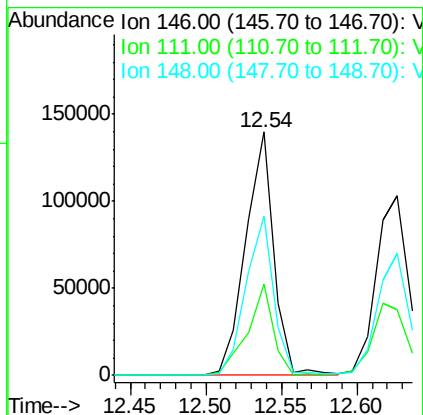
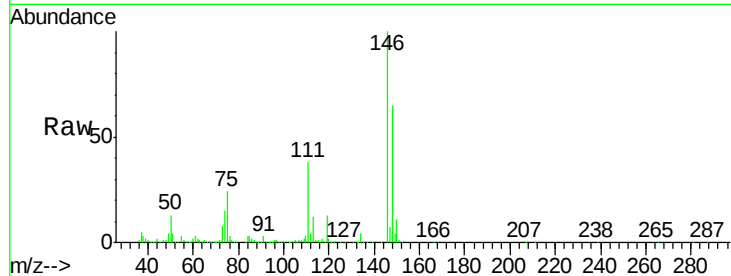
ClientSampleId :

VF0703SBSD01

Tot Ion:	146	Resp:	182098
Ion Ratio	Lower	Upper	
146	100		
111	37.7	21.4	64.2
148	65.1	32.8	98.4

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#88

1,4-Dichlorobenzene

Concen: 21.350 ug/l

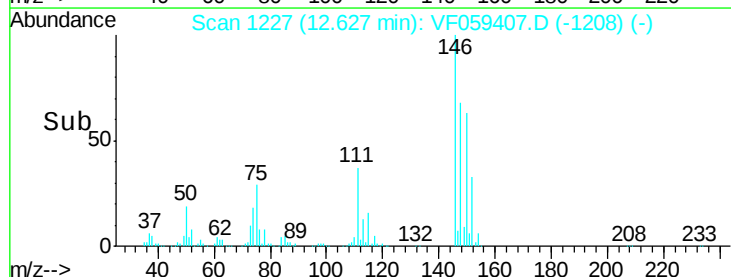
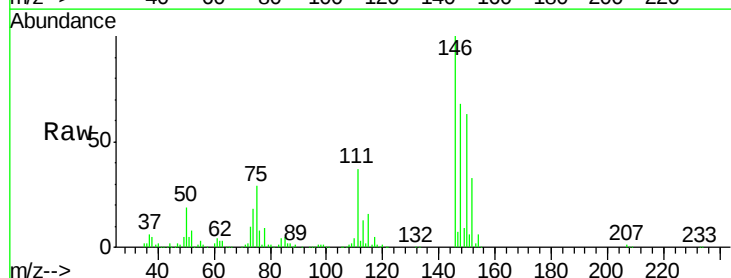
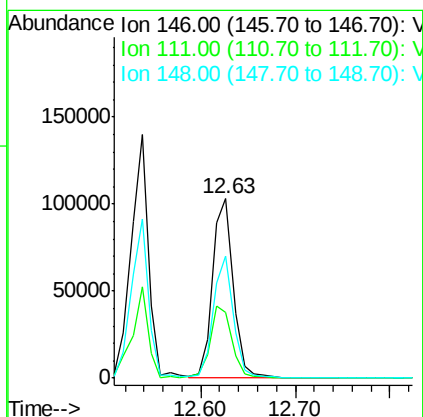
RT: 12.63 min Scan# 1227

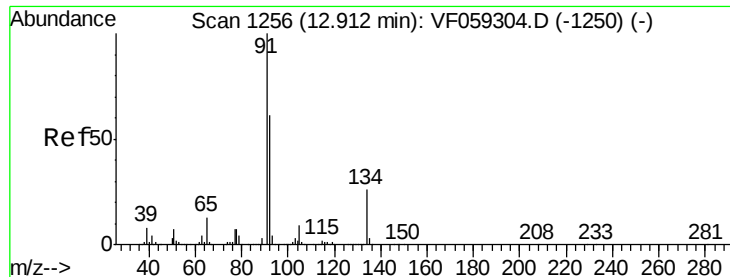
Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	146	Resp:	157798
Ion Ratio	Lower	Upper	
146	100		
111	36.8	20.7	62.1
148	68.1	32.8	98.3





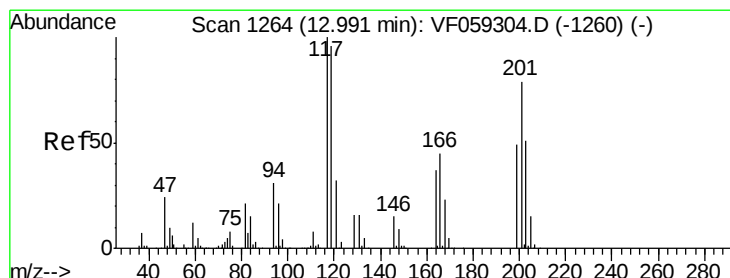
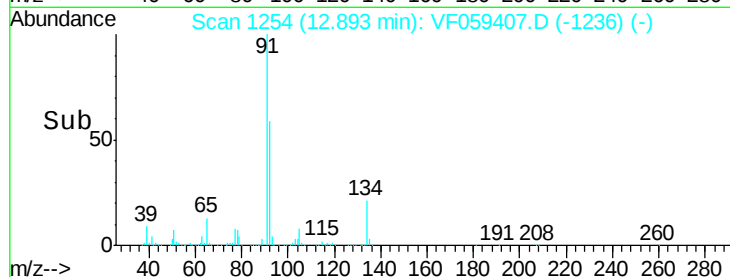
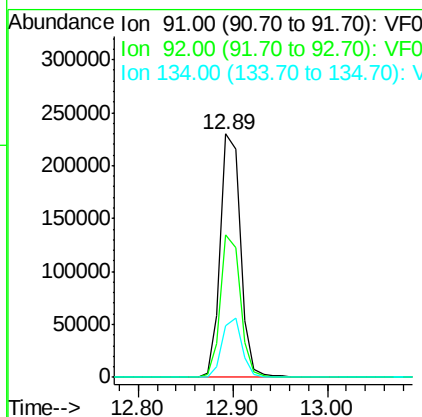
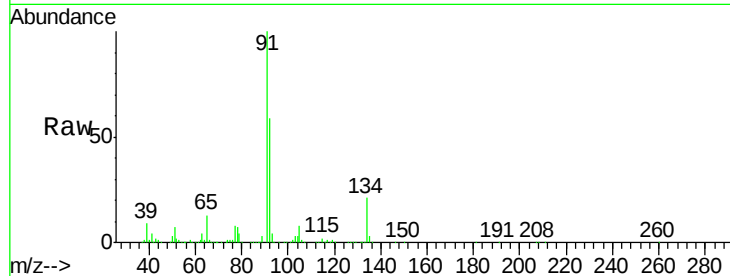
#89
n-Butylbenzene
Concen: 22.972 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Instrument :
MSVOA_F
ClientSampleId :
VF0703SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.7	30.3	91.0
134	21.3	12.9	38.7

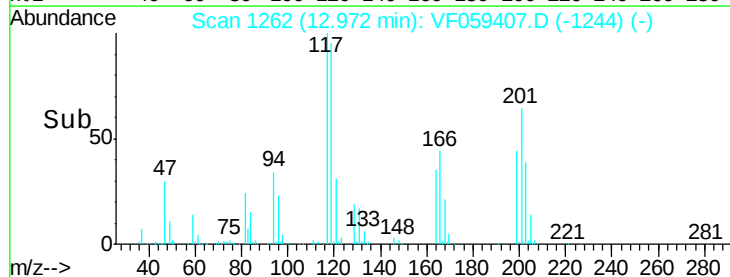
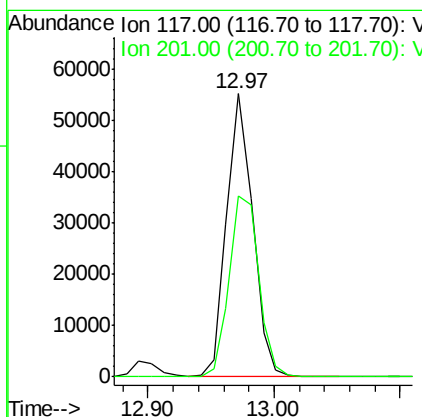
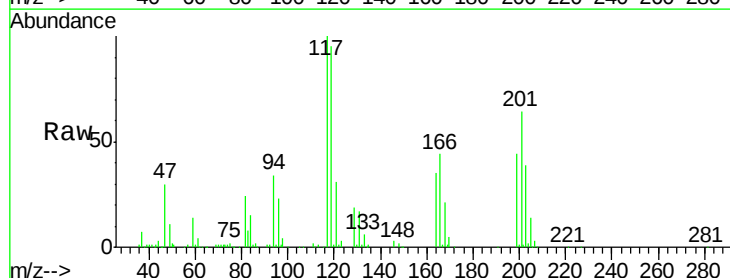
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#90
Hexachloroethane
Concen: 21.782 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF059407.D
Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	39.5	118.5





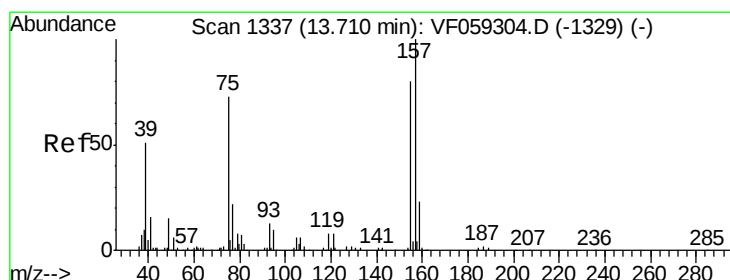
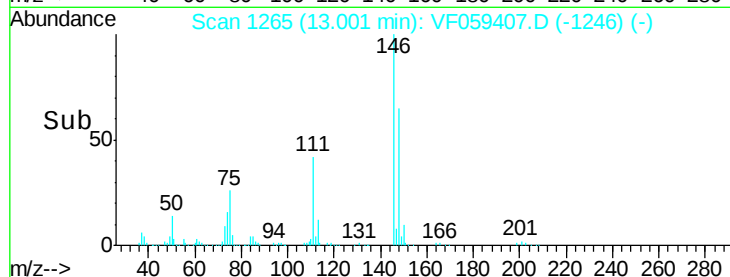
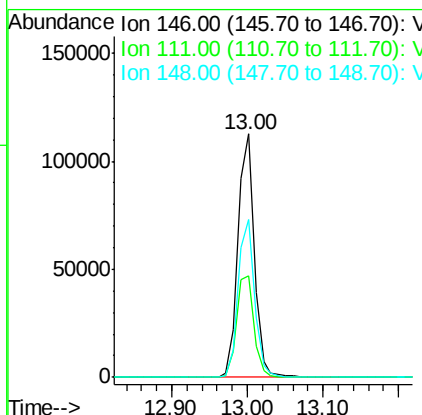
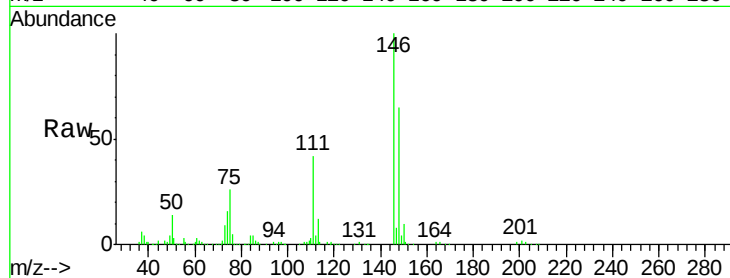
#91
 1,2-Dichlorobenzene
 Concen: 22.157 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.7	68.0
148	64.8	33.5	100.4

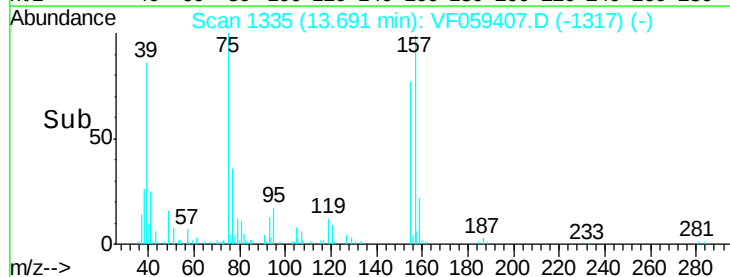
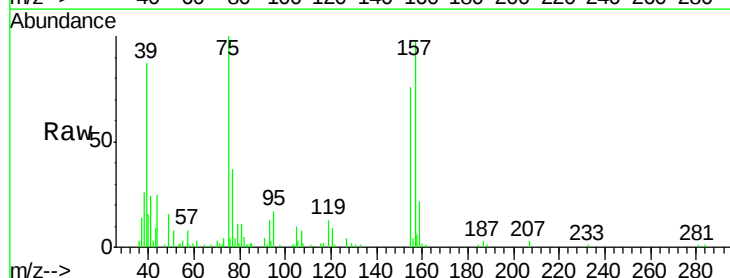
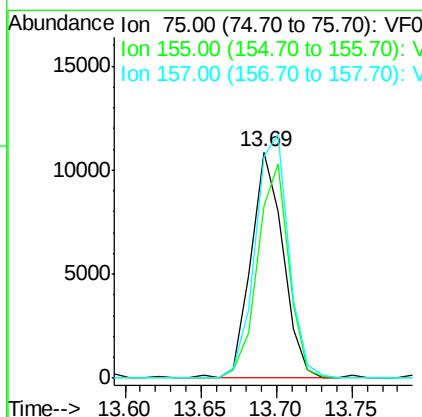
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.197 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	54.6	163.8
157	98.0	68.7	205.9





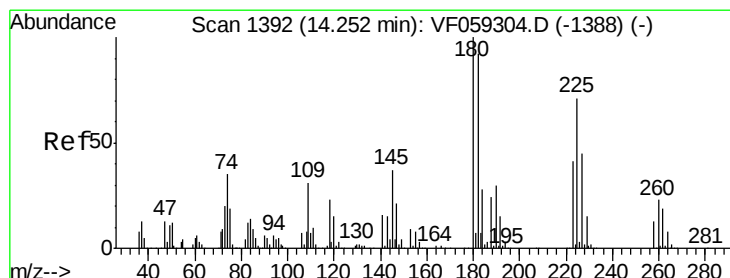
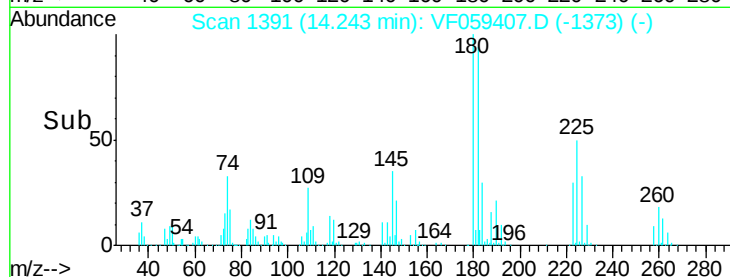
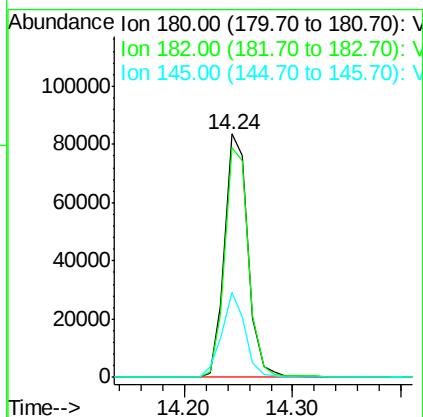
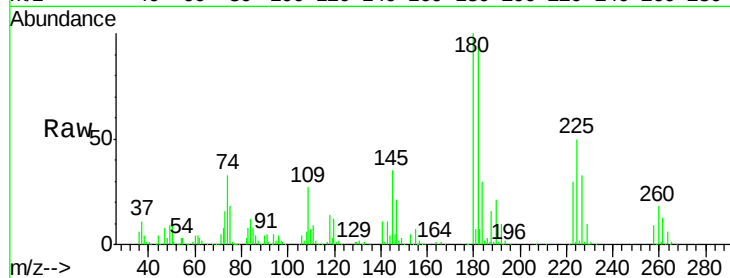
#93
 1,2,4-Trichlorobenzene
 Concen: 22.807 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0703SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126705		
182	94.1	48.1	144.3	
145	34.6	15.3	45.8	

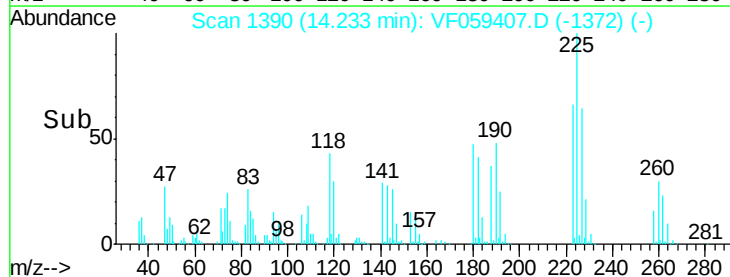
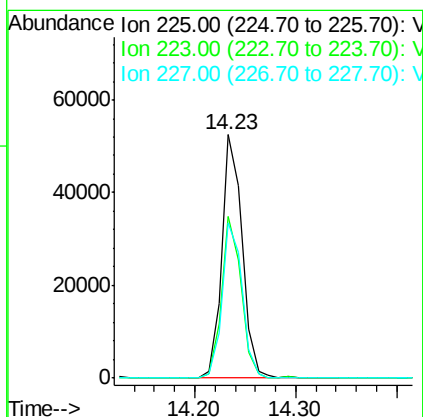
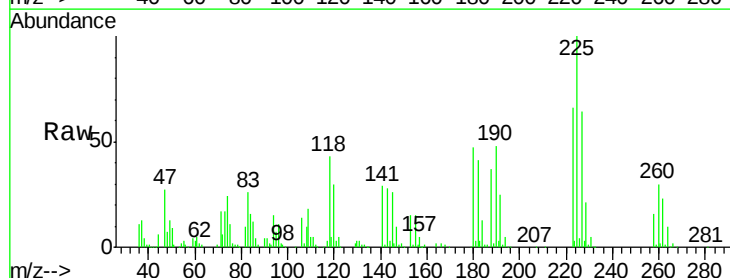
Manual Integrations
 APPROVED

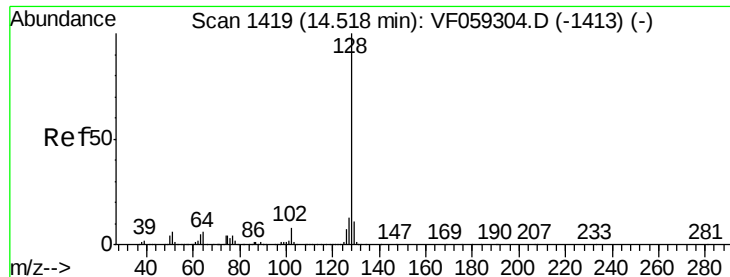
apatel
 7/5/2018 12:41:27 PM



#94
 Hexachlorobutadiene
 Concen: 23.804 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF059407.D
 Acq: 3 Jul 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73866		
223	66.2	28.9	86.8	
227	63.6	31.3	93.8	





#95

Naphthalene

Concen: 21.337 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Instrument :

MSVOA_F

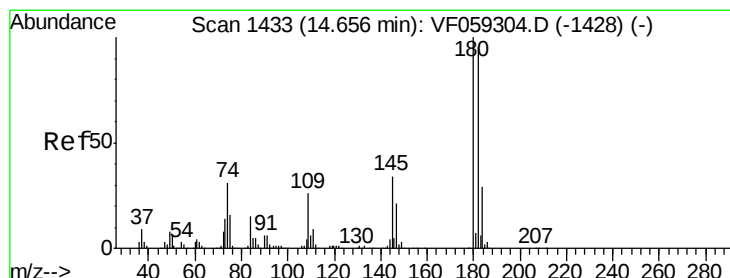
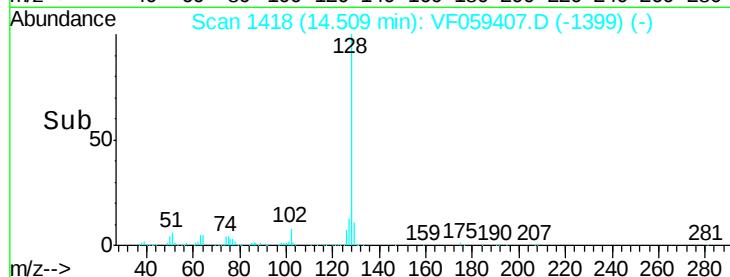
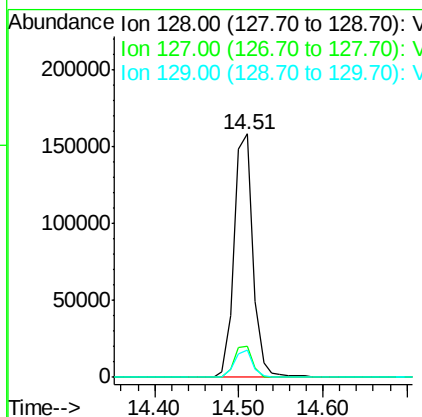
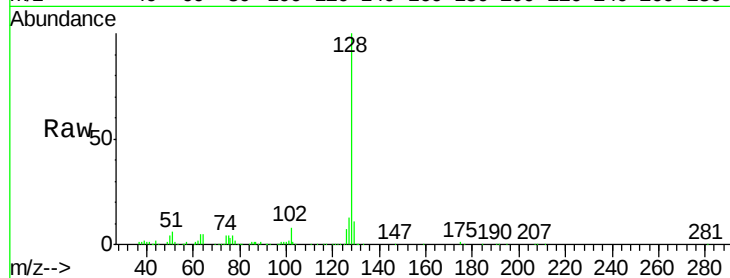
ClientSampleId :

VF0703SBS01

Tot Ion:	128	Resp:	248011
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

apatel
7/5/2018 12:41:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.182 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VF059407.D

Acq: 3 Jul 2018 12:54

Tgt Ion:	180	Resp:	116741
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.5
145	36.6	17.0	50.9

