

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062351.D
 Acq On : 7 May 2019 12:17
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:10:35 AM

Quant Time: May 07 15:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	320262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	418364	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	357628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	225415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	158124	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	4.30	113	184720	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	7.70	98	443949	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	11.49	95	200069	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	87545	23.619	ug/l	93
3) Chloromethane	1.15	50	54664	22.362	ug/l	99
4) Vinyl Chloride	1.18	62	53001	21.737	ug/l	95
5) Bromomethane	1.39	94	44370	22.748	ug/l	95
6) Chloroethane	1.44	64	28837	23.524	ug/l #	81
7) Trichlorofluoromethane	1.57	101	116471	23.022	ug/l	96
8) Diethyl Ether	1.71	74	15568	20.337	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	64969	22.494	ug/l	97
10) Methyl Iodide	1.97	142	108648	22.826	ug/l	97
11) Tert butyl alcohol	2.69	59	16413	95.951	ug/l #	85
12) 1,1-Dichloroethene	1.87	96	52245	21.277	ug/l #	88
13) Acrolein	2.09	56	12324	104.249	ug/l	91
14) Allyl chloride	2.19	41	87321	40.259	ug/l #	86
15) Acrylonitrile	3.09	53	36365	112.230	ug/l	92
16) Acetone	2.35	43	69954	114.255	ug/l	100
17) Carbon Disulfide	1.91	76	122096	22.805	ug/l #	92
18) Methyl Acetate	2.47	43	21701	17.393	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	109861	21.675	ug/l	96
20) Methylene Chloride	2.33	84	47649m	21.510	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	48966	20.931	ug/l	98
22) Diisopropyl ether	2.93	45	141507	20.874	ug/l	98
23) Vinyl Acetate	3.34	43	322793	106.837	ug/l	99
24) 1,1-Dichloroethane	3.01	63	89907	21.944	ug/l	99
25) 2-Butanone	4.53	43	85027	110.540	ug/l	98
26) 2,2-Dichloropropane	3.78	77	54223	23.699	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	61944	21.183	ug/l	93
28) Bromochloromethane	3.89	49	36476	19.630	ug/l	99
29) Tetrahydrofuran	4.26	42	36247	102.531	ug/l	99
30) Chloroform	4.04	83	121811	22.007	ug/l	99
31) Cyclohexane	3.86	56	75118	22.970	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	108044	22.775	ug/l #	91
36) 1,1-Dichloropropene	4.47	75	82337	22.910	ug/l	100
37) Ethyl Acetate	4.29	43	32313	19.919	ug/l #	90
38) Carbon Tetrachloride	4.18	117	83765m	20.850	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	82658	22.933	ug/l	97
40) Benzene	4.82	78	183816	23.227	ug/l	97
41) Methacrylonitrile	4.92	41	17309	20.086	ug/l #	71
42) 1,2-Dichloroethane	5.12	62	70151	21.194	ug/l	99
43) Isopropyl Acetate	7.11	43	34032	20.819	ug/l #	97
44) Trichloroethene	5.68	130	67655	23.272	ug/l	94
45) 1,2-Dichloropropane	6.40	63	38559	21.511	ug/l	99
46) Dibromomethane	6.25	93	31317	21.071	ug/l	92
47) Bromodichloromethane	6.55	83	81534	21.942	ug/l	99
48) Methyl methacrylate	6.87	41	22769	19.710	ug/l	92
49) 1,4-Dioxane	6.87	88	5013	414.276	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	129815	104.802	ug/l	99
52) Toluene	7.78	92	107630	22.045	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	60578	21.555	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	69890	21.368	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	33952	21.907	ug/l #	83
56) Ethyl methacrylate	8.75	69	33930	20.739	ug/l	93
57) 1,3-Dichloropropane	8.99	76	49652	21.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	51731	105.173	ug/l	97
59) 2-Hexanone	9.62	43	92731	108.246	ug/l	98
60) Dibromochloromethane	8.85	129	56365	22.236	ug/l	97
61) 1,2-Dibromoethane	9.12	107	39436	21.649	ug/l	99
64) Tetrachloroethene	8.30	164	63347	21.819	ug/l	99
65) Chlorobenzene	9.93	112	132093	22.324	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	68078	22.806	ug/l	95
67) Ethyl Benzene	10.03	91	235511	22.729	ug/l	98
68) m/p-Xylenes	10.25	106	177626	46.462	ug/l	96
69) o-Xylene	10.81	106	95408	23.095	ug/l	92
70) Styrene	10.88	104	141587	22.869	ug/l	98
71) Bromoform	10.87	173	33785	20.659	ug/l #	96
73) Isopropylbenzene	11.21	105	302099	22.606	ug/l	99
74) N-amyl acetate	11.45	43	59027	20.574	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	41949	20.048	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	32612	20.429	ug/l #	100
77) Bromobenzene	11.57	156	74164	21.146	ug/l	99
78) n-propylbenzene	11.66	91	313664	22.046	ug/l	98
79) 2-Chlorotoluene	11.79	91	193630	21.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	251595	21.480	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	11539m	19.230	ug/l	
82) 4-Chlorotoluene	11.97	91	194215	22.227	ug/l	99
83) tert-Butylbenzene	12.19	119	274594	22.307	ug/l	96
84) 1,2,4-Trimethylbenzene	12.26	105	249377	21.756	ug/l	98
85) sec-Butylbenzene	12.36	105	320316	21.378	ug/l	98
86) p-Isopropyltoluene	12.51	119	317214	22.787	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	140144	21.879	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	137300	22.209	ug/l	99
89) n-Butylbenzene	12.89	91	285902	23.084	ug/l	96
90) Hexachloroethane	12.97	117	73811	21.236	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	135631	21.877	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8651	18.455	ug/l	97

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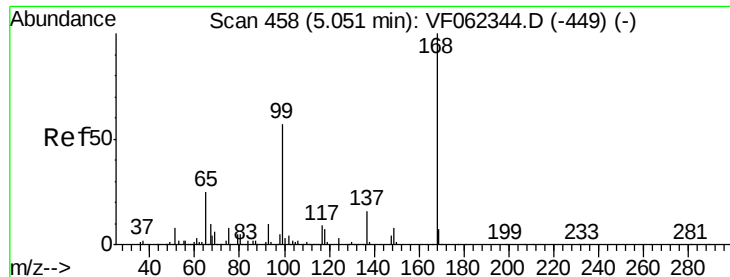
Manual Integrations
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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122678	22.061	ug/l	97
94) Hexachlorobutadiene	14.22	225	92656	22.355	ug/l	96
95) Naphthalene	14.49	128	164742	19.705	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	114493	21.252	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion:168 Resp: 320262

Ion Ratio Lower Upper

168 100

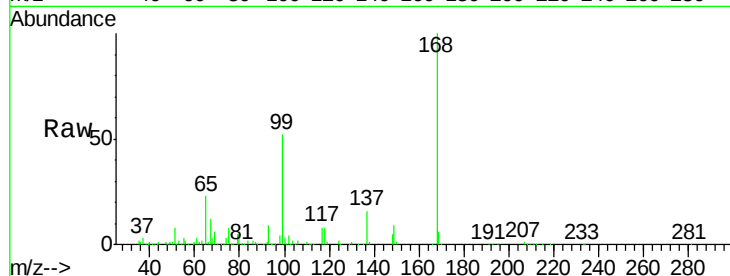
99 51.7 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

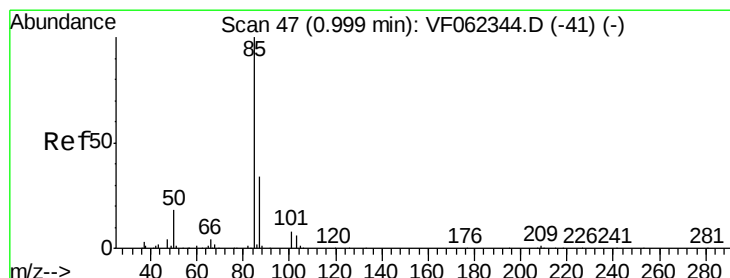
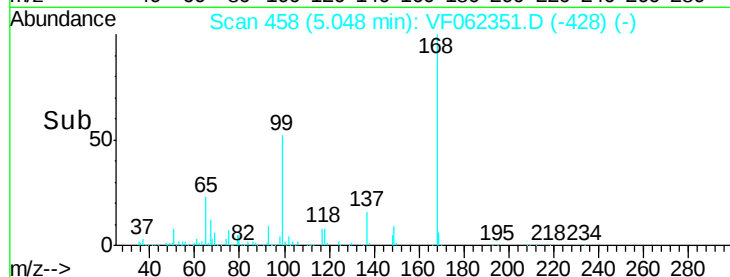
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.619 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062351.D

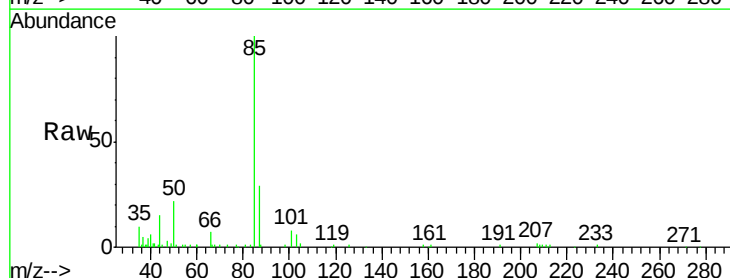
Acq: 7 May 2019 12:17

Tgt Ion: 85 Resp: 87545

Ion Ratio Lower Upper

85 100

87 29.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

25000

20000

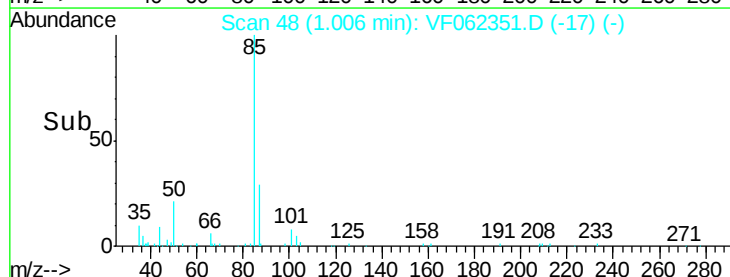
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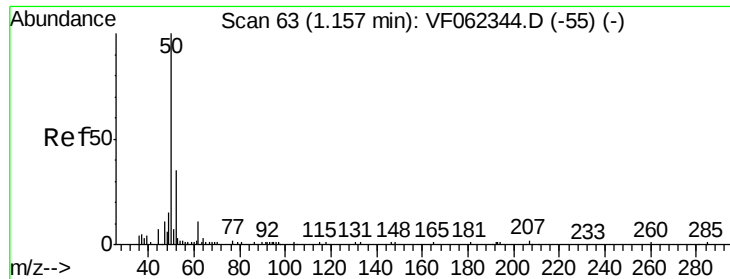
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.362 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 50 Resp: 54664

Ion Ratio Lower Upper

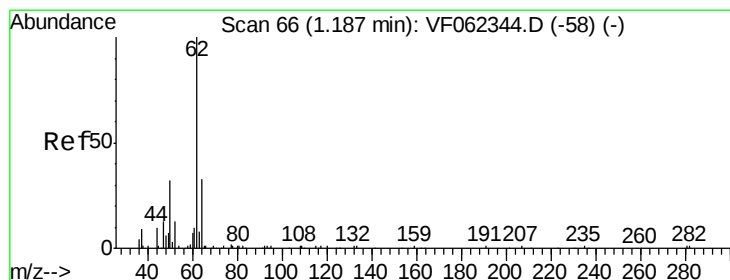
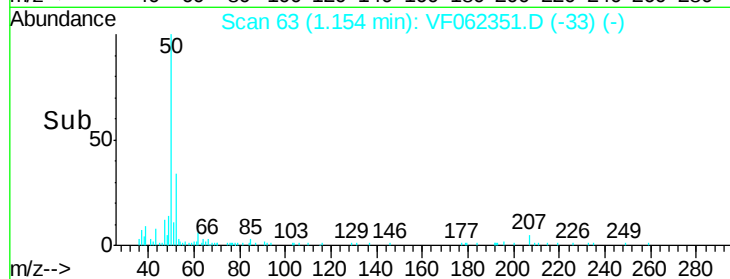
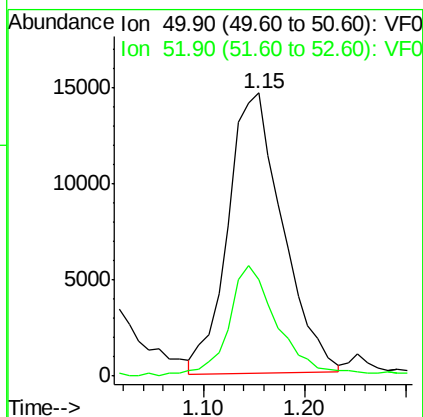
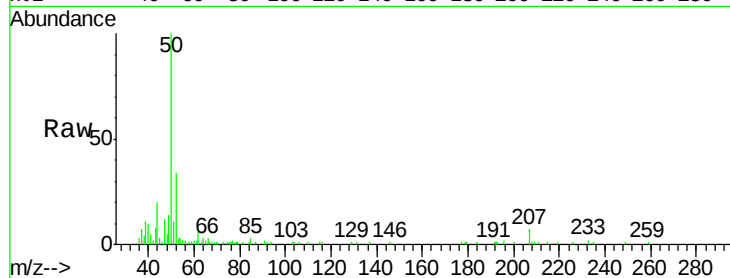
50 100

52 33.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 21.737 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062351.D

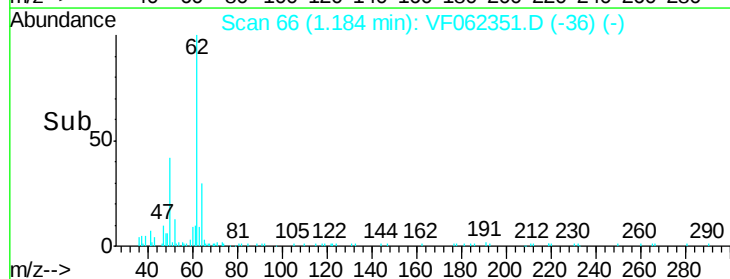
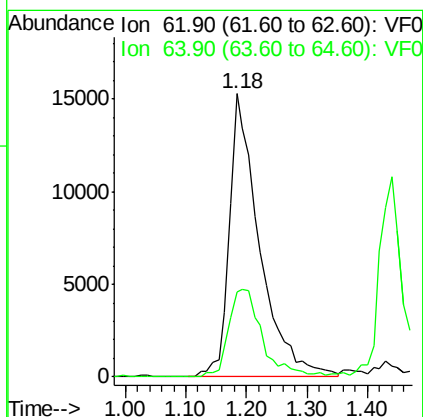
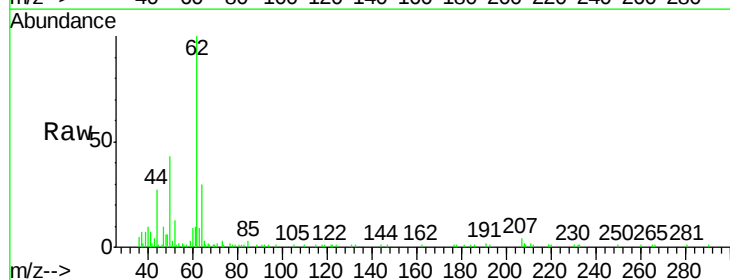
Acq: 7 May 2019 12:17

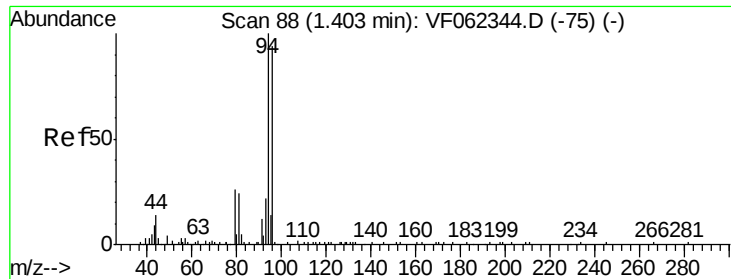
Tgt Ion: 62 Resp: 53001

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 22.748 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 94 Resp: 44370

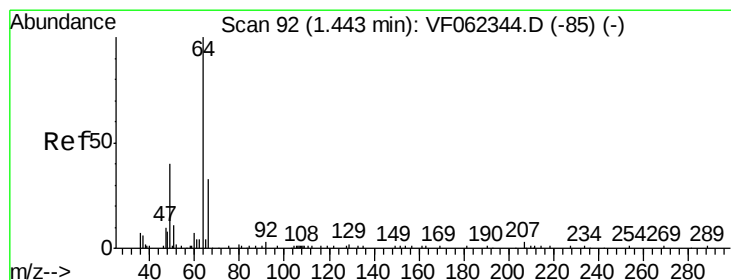
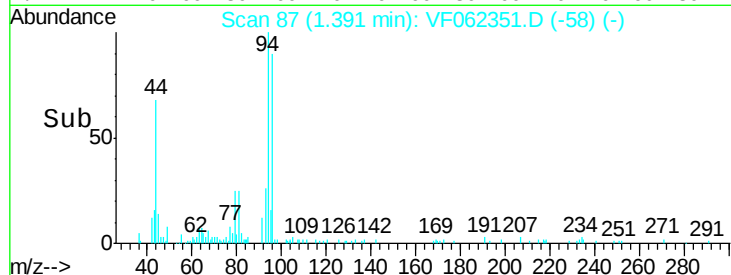
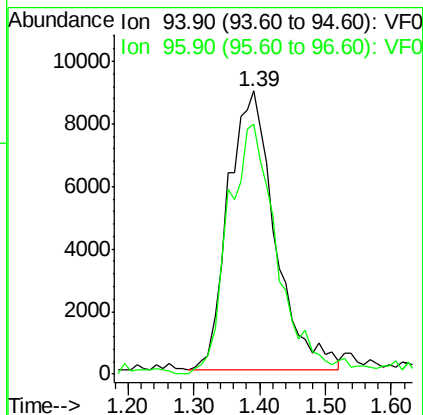
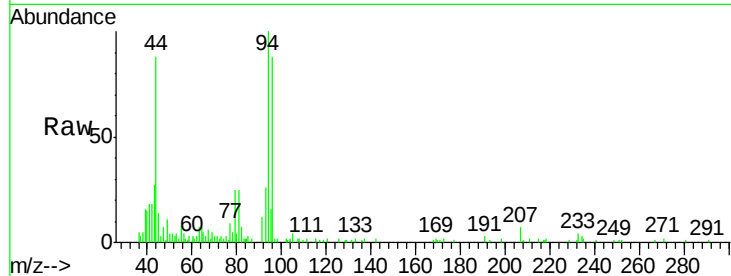
Ion Ratio Lower Upper

94 100

96 89.9 75.4 113.2

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#6

Chloroethane

Concen: 23.524 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062351.D

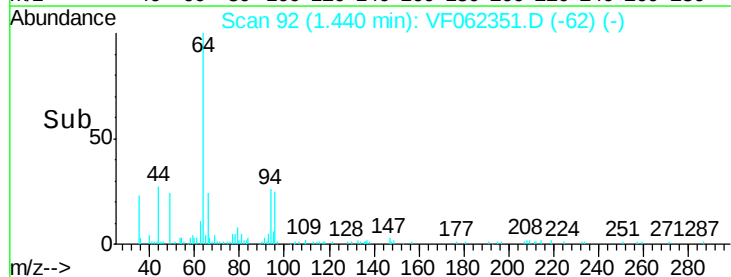
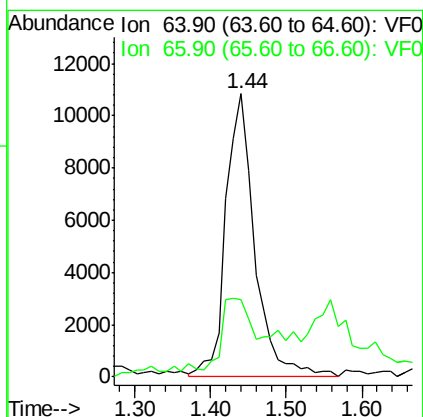
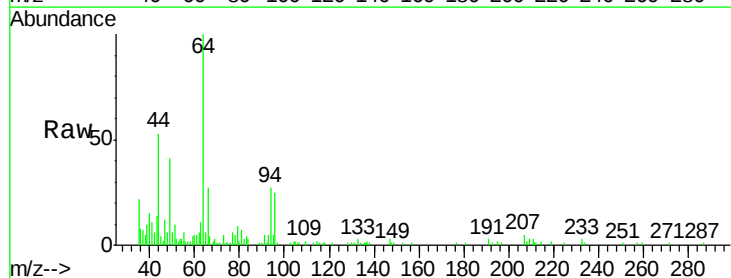
Acq: 7 May 2019 12:17

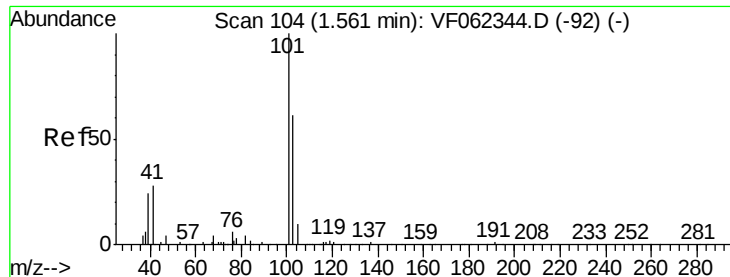
Tgt Ion: 64 Resp: 28837

Ion Ratio Lower Upper

64 100

66 22.3 26.6 39.8#





#7

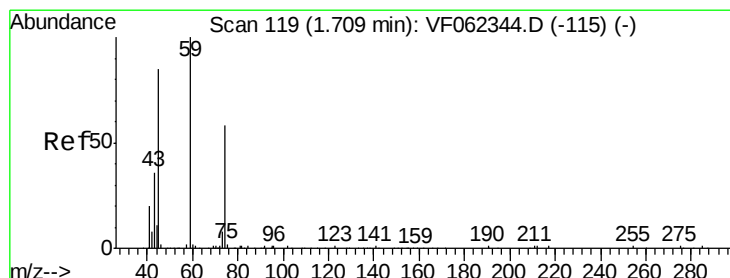
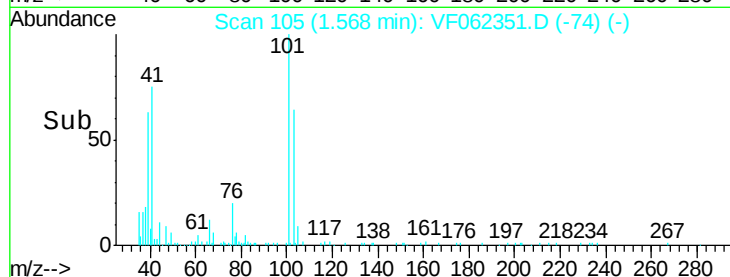
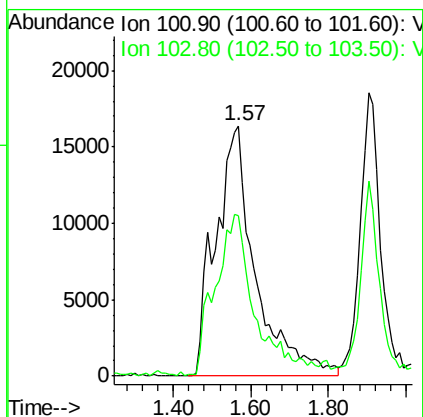
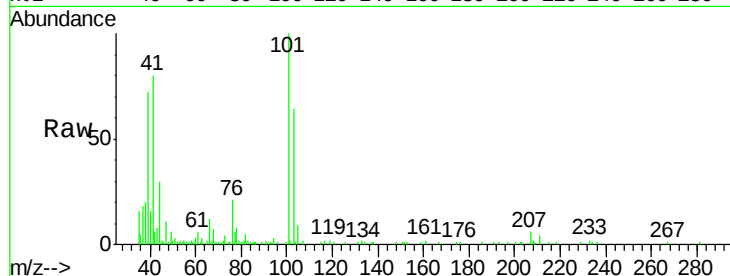
Trichlorofluoromethane
Concen: 23.022 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
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ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	48.5	72.7

Manual Integrations
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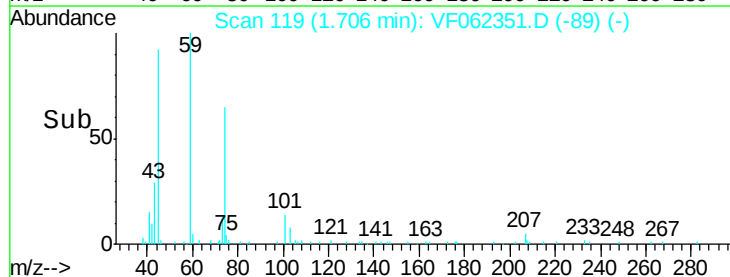
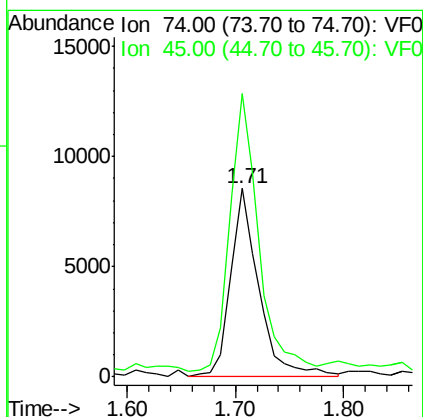
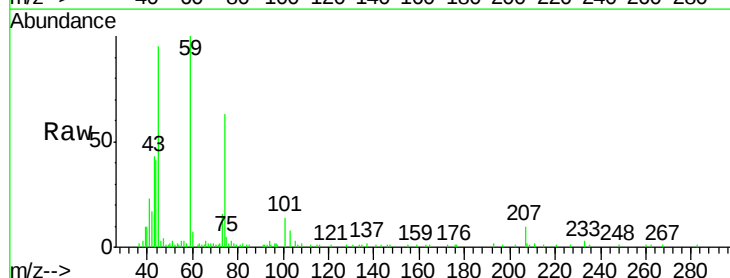
MMDadoda
5/8/2019 11:10:35 AM



#8

Diethyl Ether
Concen: 20.337 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.8	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.494 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

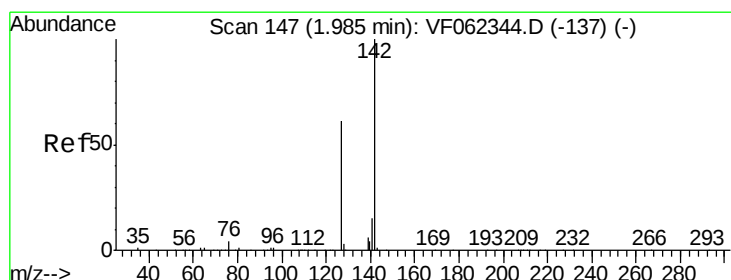
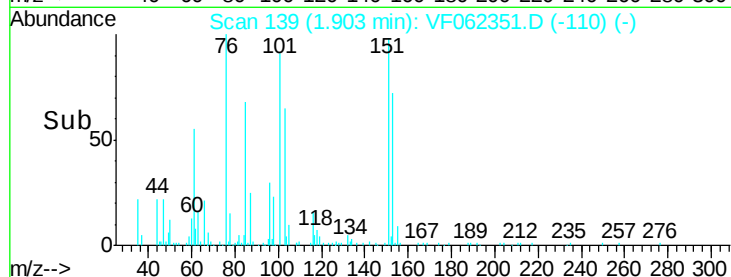
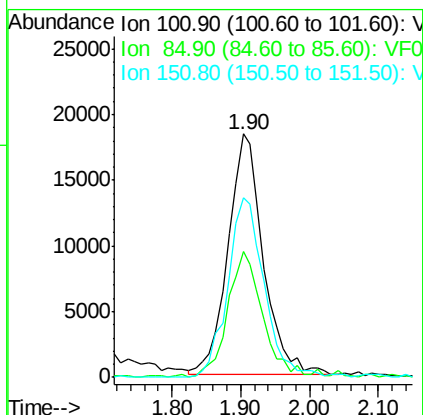
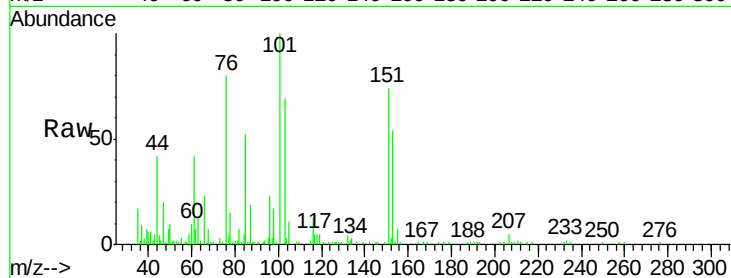
ClientSampleId :

VF0507SBS01

Tot Ion:	101	Resp:	64969
Ion Ratio	Lower	Upper	
101	100		
85	51.5	39.5	59.3
151	77.5	59.9	89.9

Manual Integrations
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5/8/2019 11:10:35 AM



#10

Methyl Iodide

Concen: 22.826 ug/l

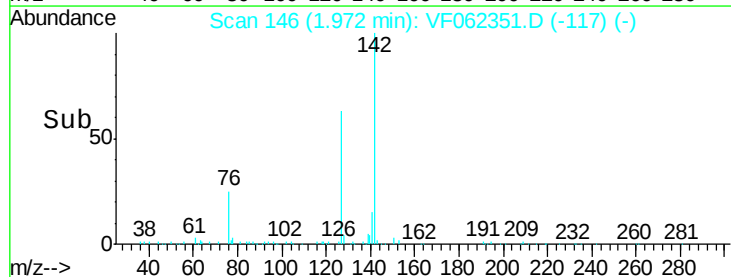
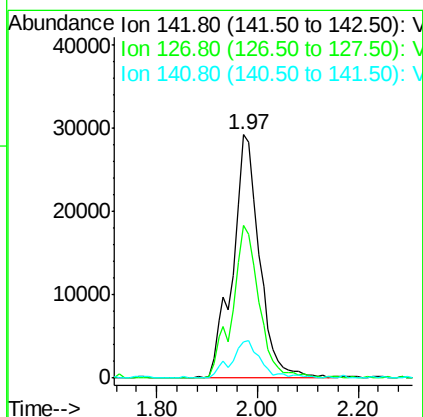
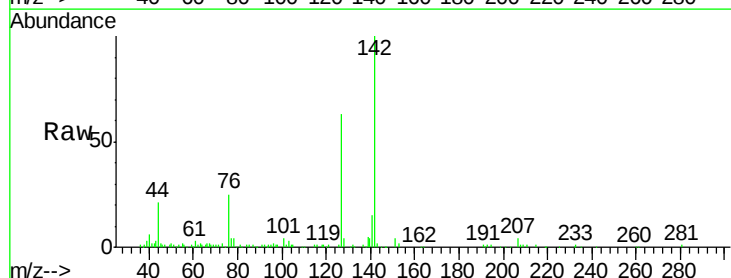
RT: 1.97 min Scan# 146

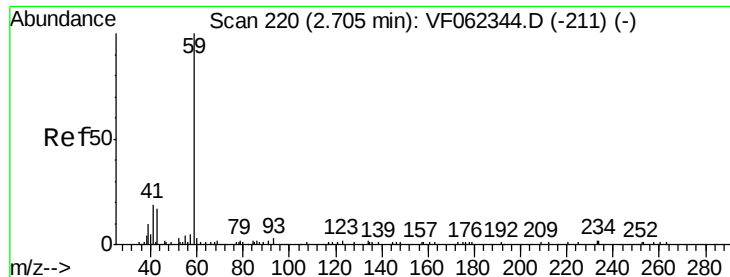
Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	142	Resp:	108648
Ion Ratio	Lower	Upper	
142	100		
127	62.8	48.4	72.6
141	16.3	12.2	18.4





#11

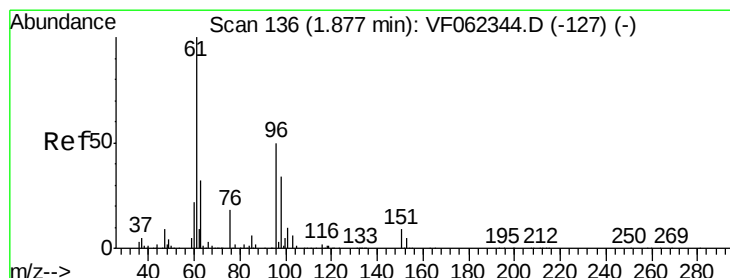
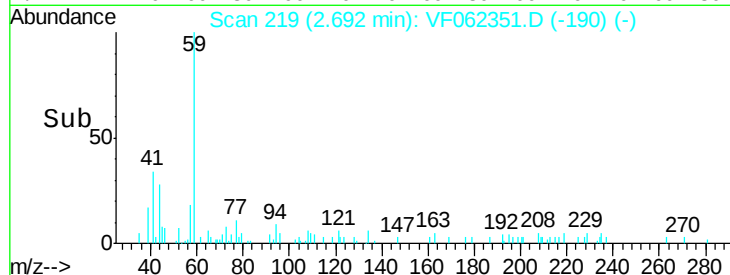
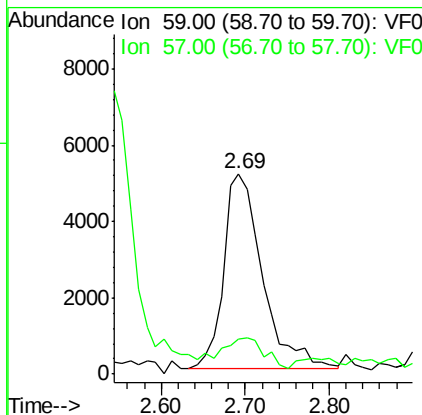
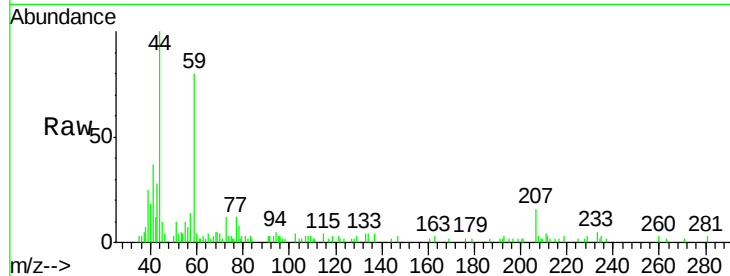
Tert butyl alcohol
 Concen: 95.951 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	59	Resp	16413
Ion Ratio	100	Lower	Upper
57	17.5	9.3	13.9#

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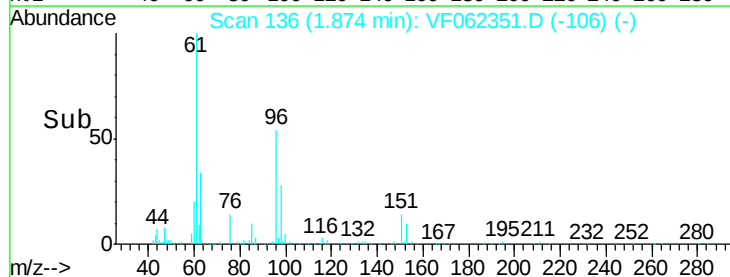
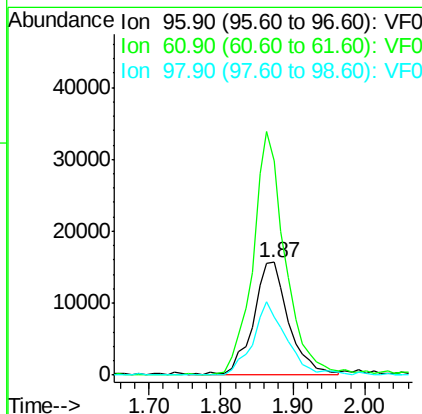
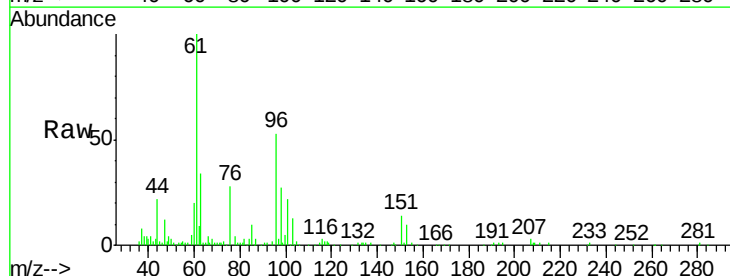
MMDadoda
 5/8/2019 11:10:35 AM

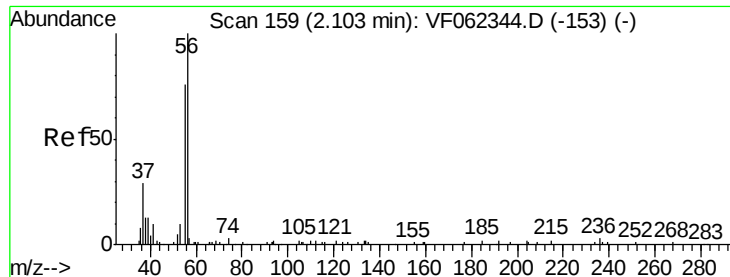


#12

1,1-Dichloroethene
 Concen: 21.277 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	96	Resp	52245
Ion Ratio	100	Lower	Upper
61	190.6	163.2	244.8
98	52.1	55.2	82.8#





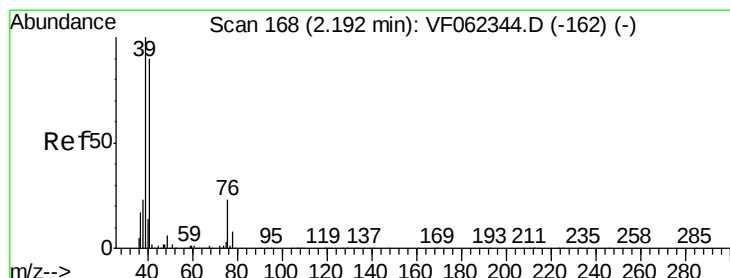
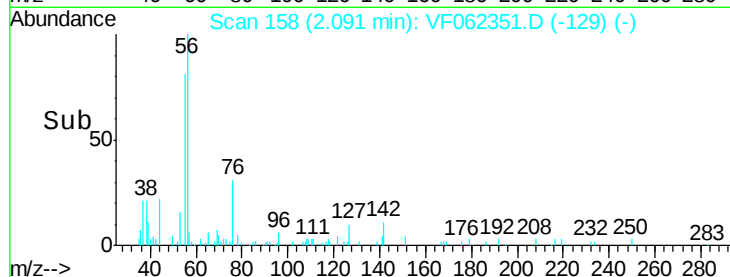
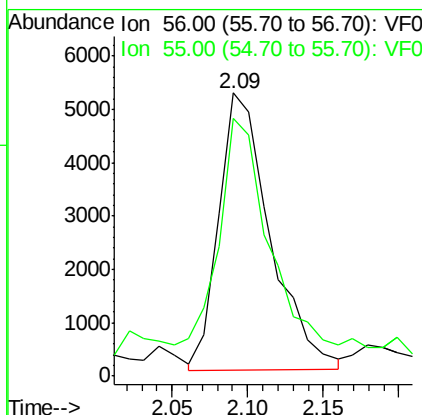
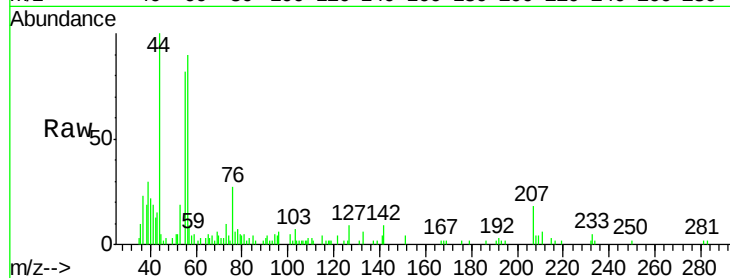
#13
Acrolein
Concen: 104.249 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	56	Resp	12324
Ion Ratio	100	Lower	Upper
55	80.2	58.4	87.6

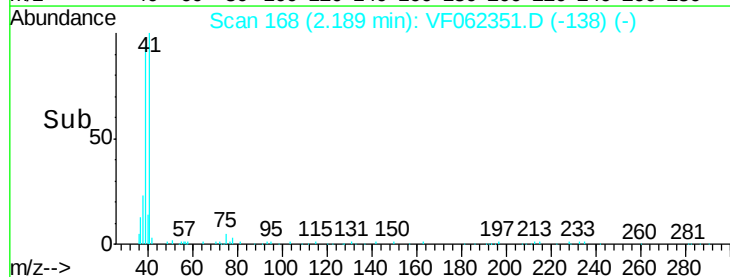
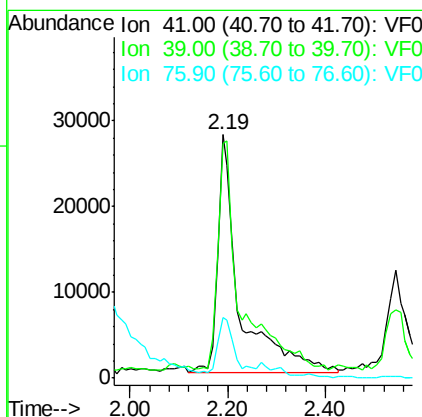
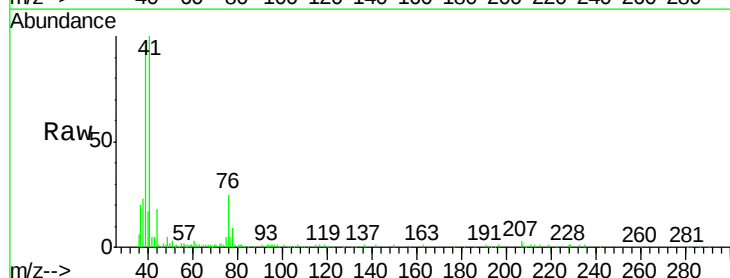
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5/8/2019 11:10:35 AM



#14
Allyl chloride
Concen: 40.259 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	41	Resp	87321
Ion Ratio	100	Lower	Upper
39	100.2	90.8	136.2
76	15.8	22.2	33.4#





#15

Acrylonitrile

Concen: 112.230 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

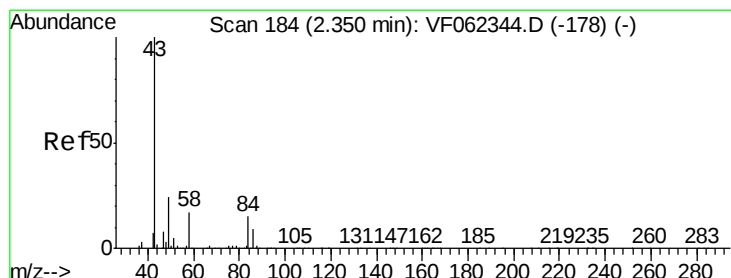
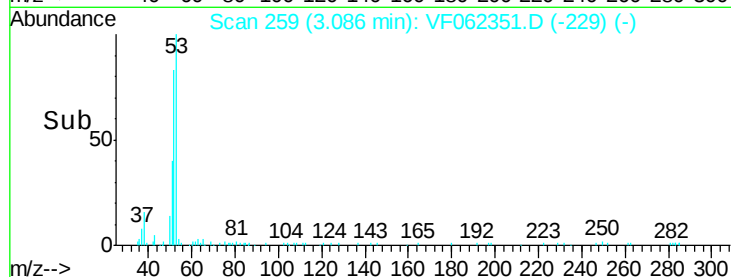
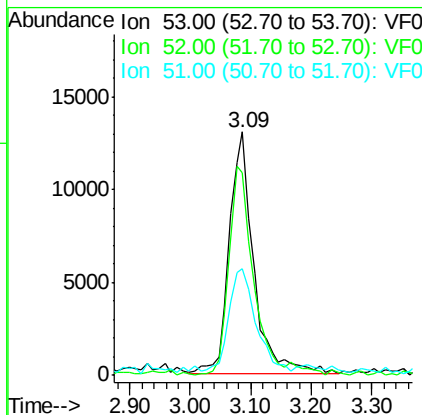
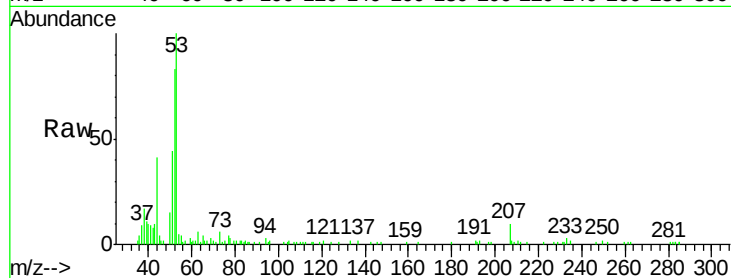
ClientSampleId :

VF0507SBS01

Tot Ion:	53	Resp:	36365
Ion Ratio	Lower	Upper	
53	100		
52	85.9	77.2	115.8
51	48.6	40.6	61.0

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#16

Acetone

Concen: 114.255 ug/l

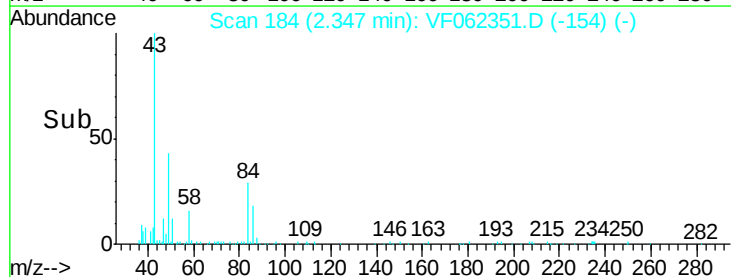
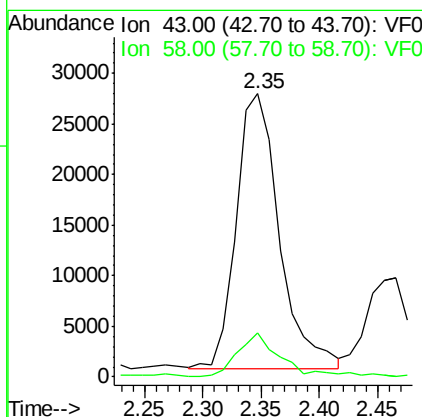
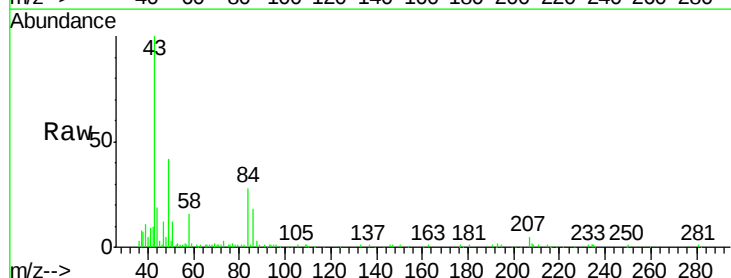
RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	43	Resp:	69954
Ion Ratio	Lower	Upper	
43	100		
58	16.3	13.1	19.7





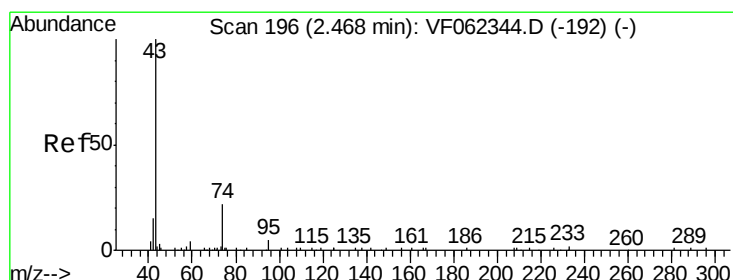
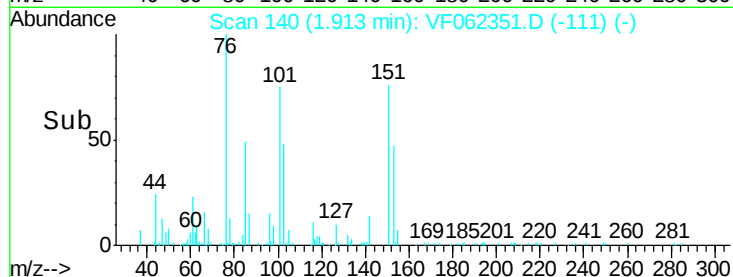
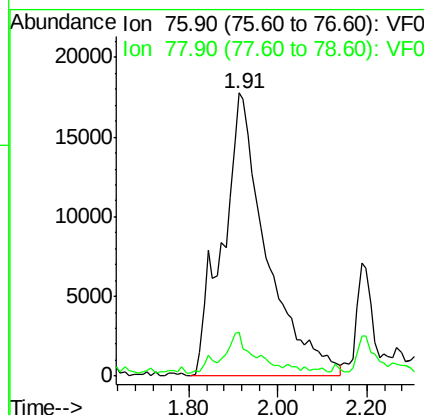
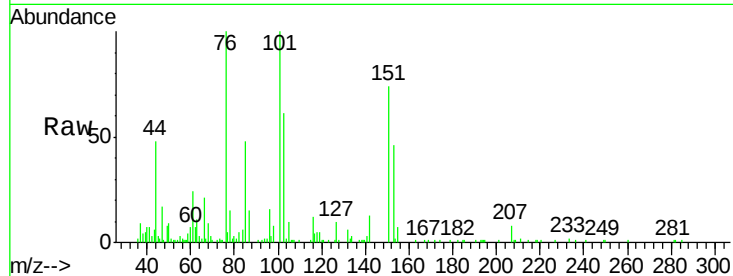
#17
Carbon Disulfide
Concen: 22.805 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	122096		
78	14.4	9.0	13.4#	

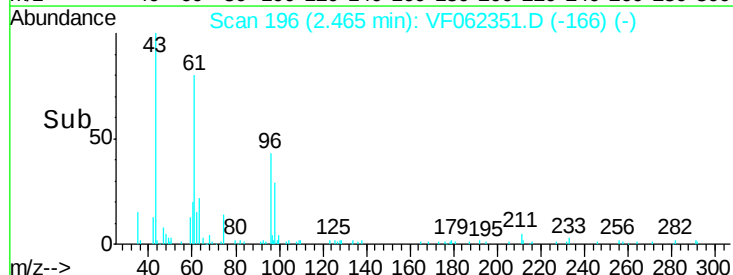
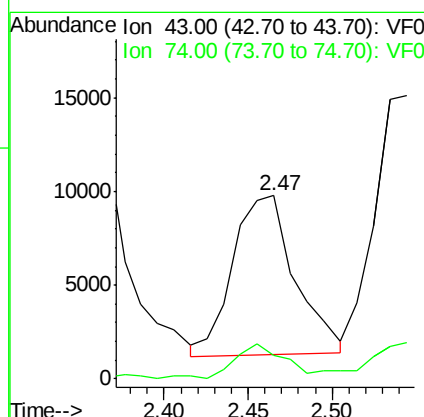
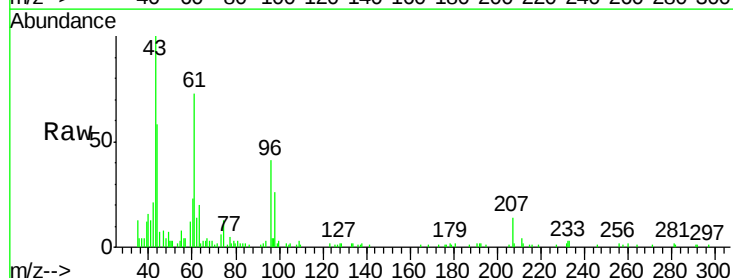
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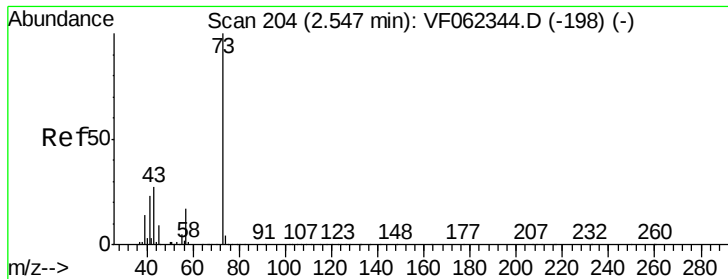
MMDadoda
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#18
Methyl Acetate
Concen: 17.393 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	21701		
74	20.2	15.0	22.4	





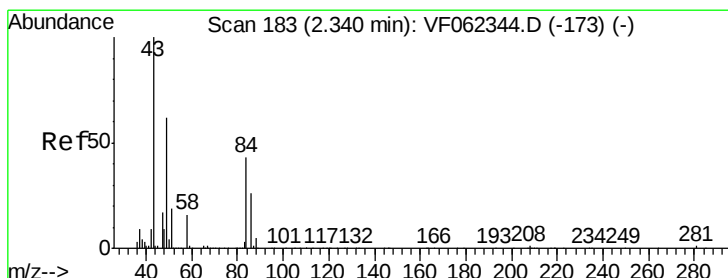
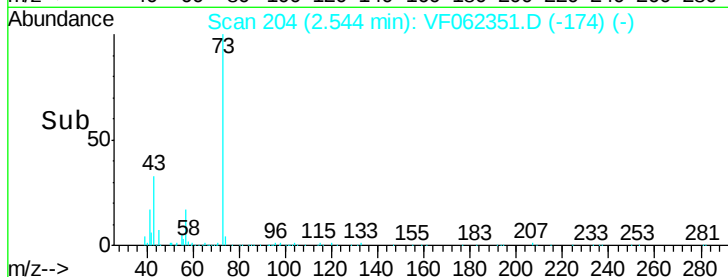
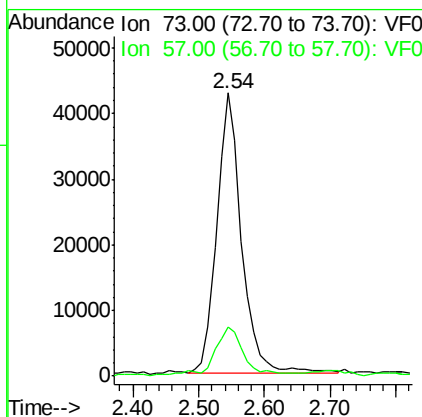
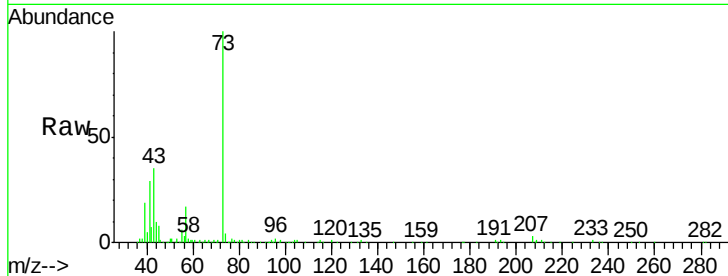
#19
Methvl tert-butvl Ether
Concen: 21.675 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion: 73 Resp: 109861
Ion Ratio Lower Upper
73 100
57 15.3 13.7 20.5

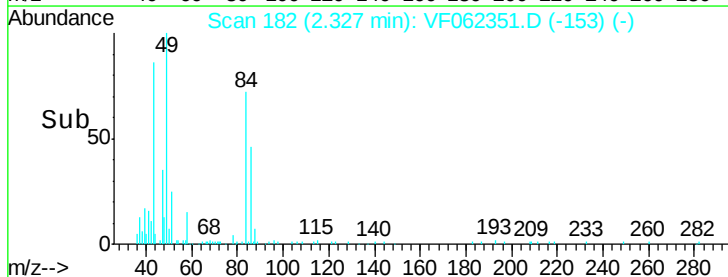
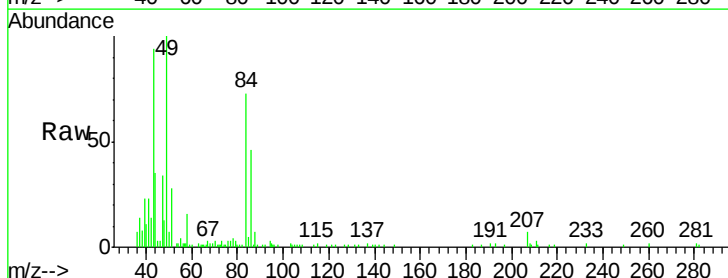
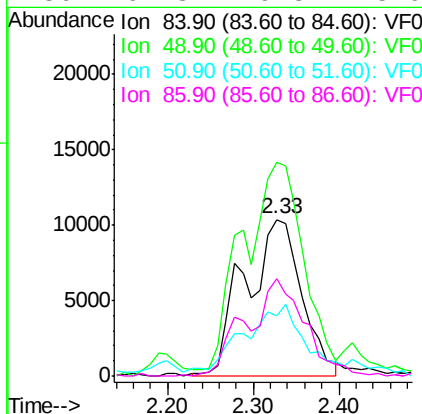
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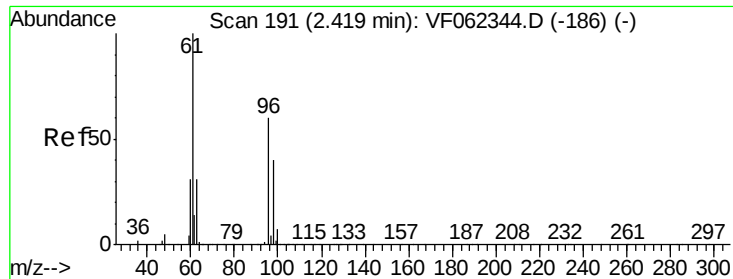
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#20
Methylene Chloride
Concen: 21.510 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion: 84 Resp: 47649
Ion Ratio Lower Upper
84 100
49 136.5 117.5 176.3
51 38.8 37.0 55.4
86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.931 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

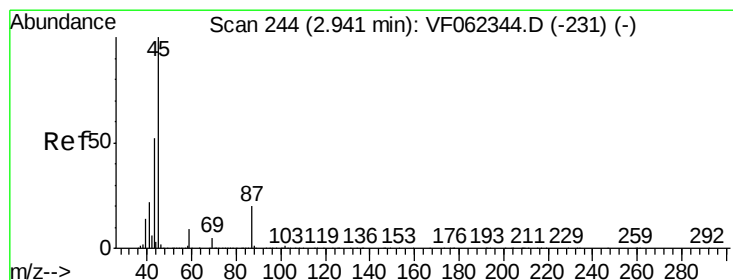
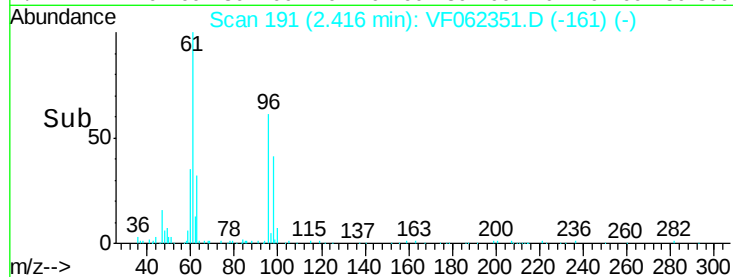
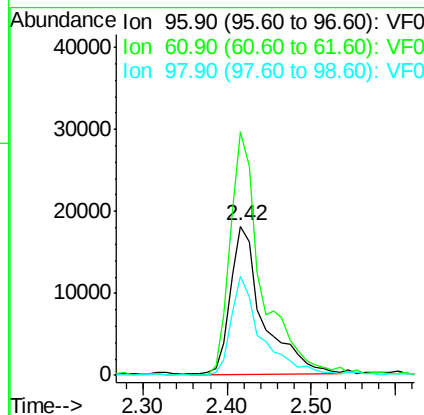
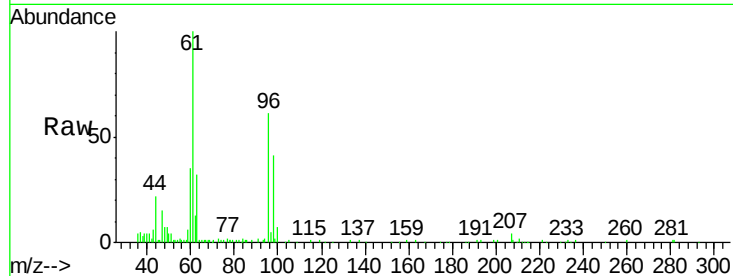
ClientSampleId :

VF0507SBS01

Tot Ion:	96	Resp:	48966
Ion	Ratio	Lower	Upper
96	100		
61	164.2	133.2	199.8
98	67.2	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.874 ug/l

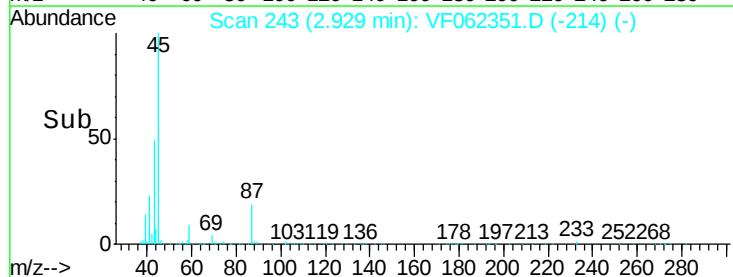
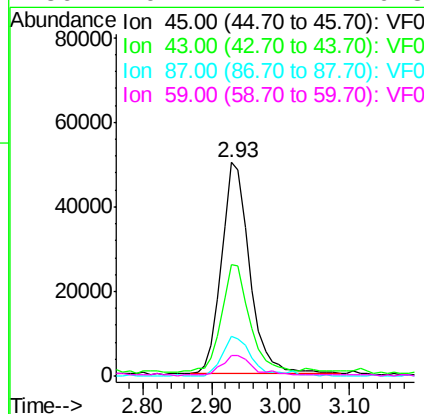
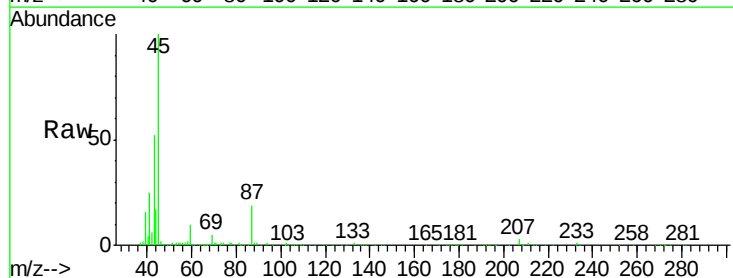
RT: 2.93 min Scan# 243

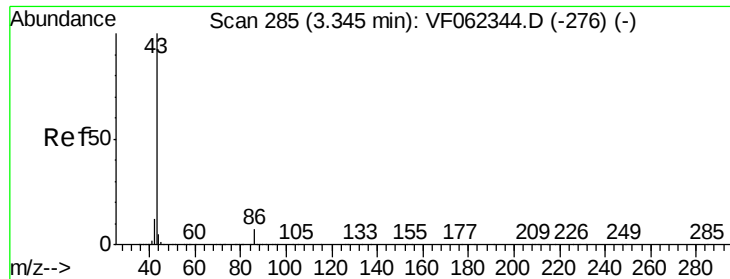
Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	45	Resp:	141507
Ion	Ratio	Lower	Upper
45	100		
43	50.1	41.4	62.0
87	18.7	15.8	23.6
59	9.2	7.2	10.8





#23

Vinyl Acetate

Concen: 106.837 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 43 Resp: 322793

Ion Ratio Lower Upper

43 100

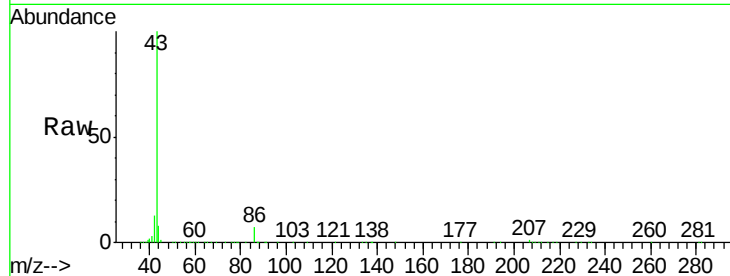
86 6.8 5.7 8.5

Manual Integrations

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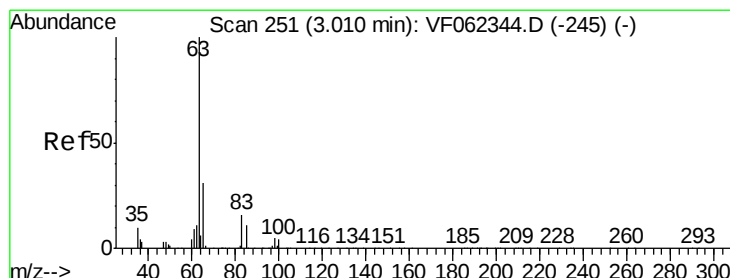
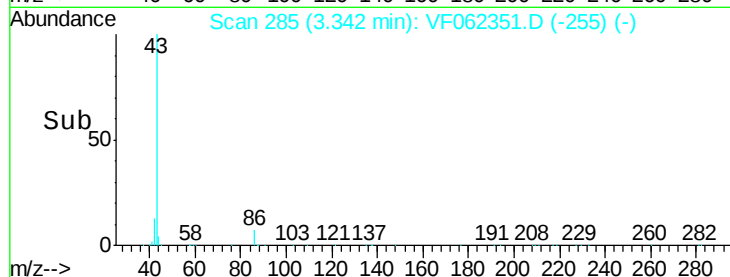
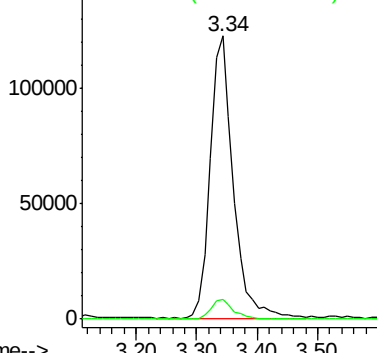
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.944 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

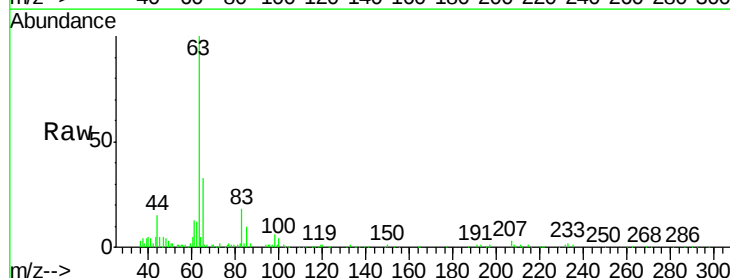
Tgt Ion: 63 Resp: 89907

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

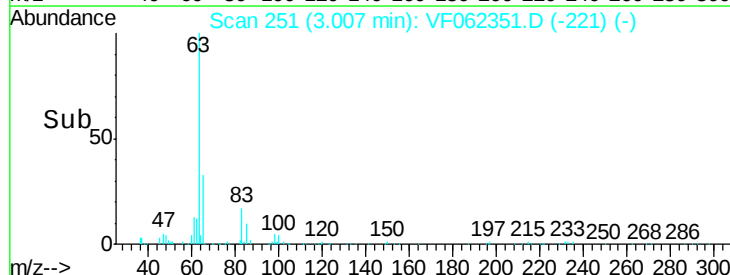
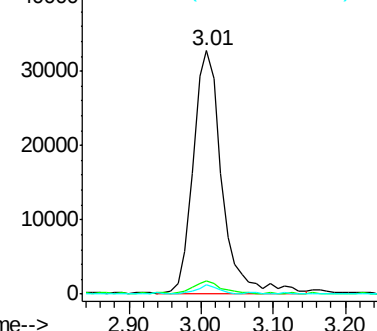
100 3.7 1.8 5.4

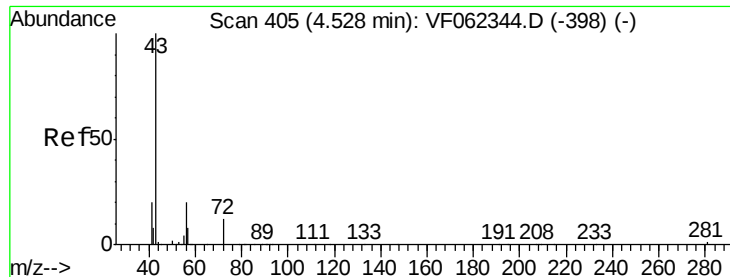


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 110.540 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 43 Resp: 85027

Ion Ratio Lower Upper

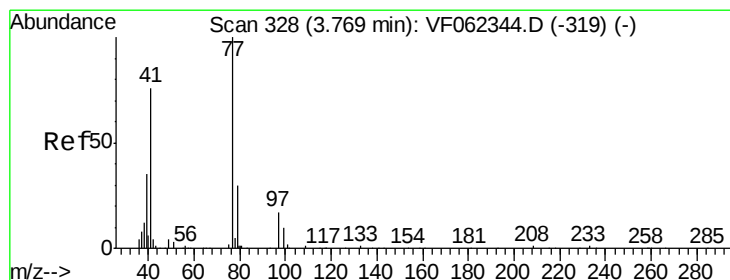
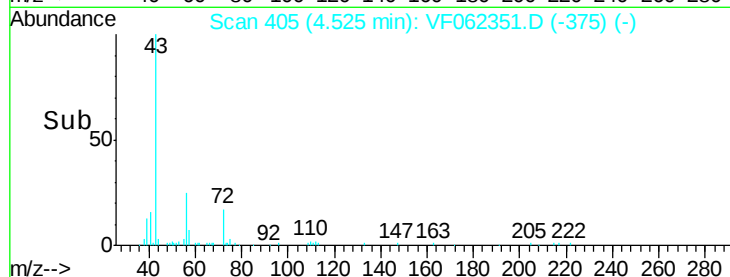
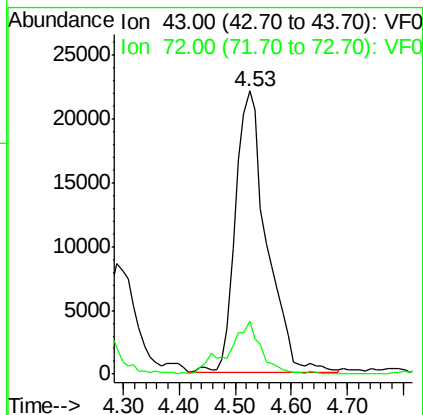
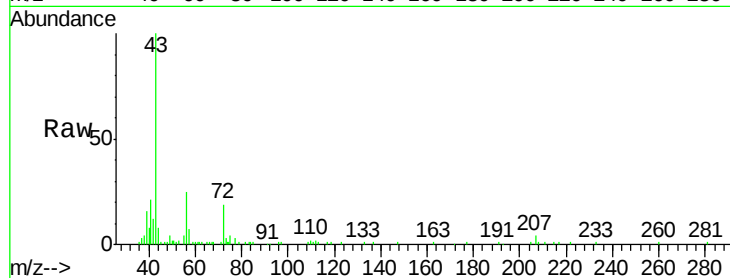
43 100

72 18.8 14.2 21.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 23.699 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF062351.D

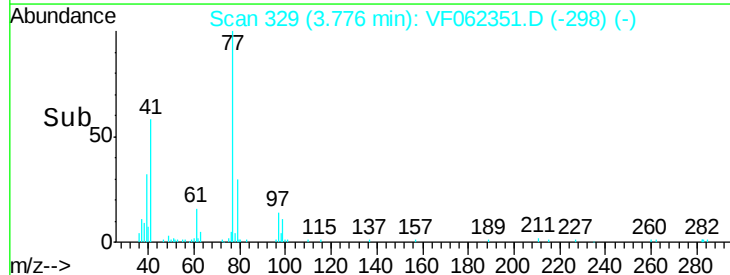
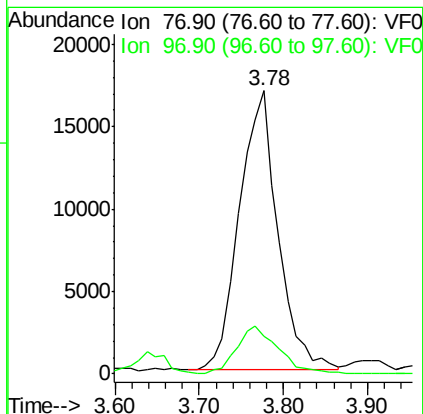
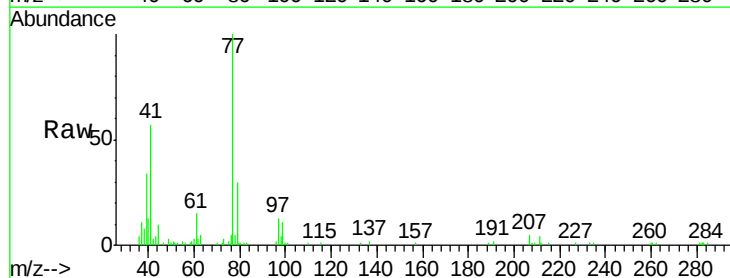
Acq: 7 May 2019 12:17

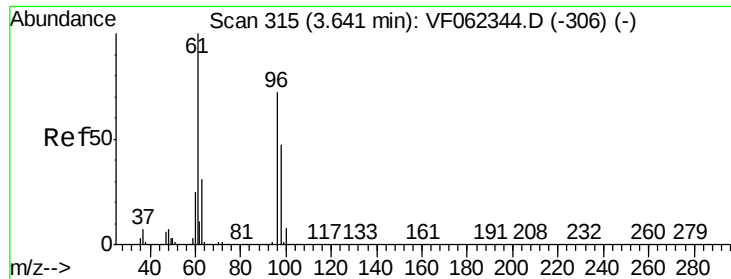
Tgt Ion: 77 Resp: 54223

Ion Ratio Lower Upper

77 100

97 18.7 9.5 28.5





#27

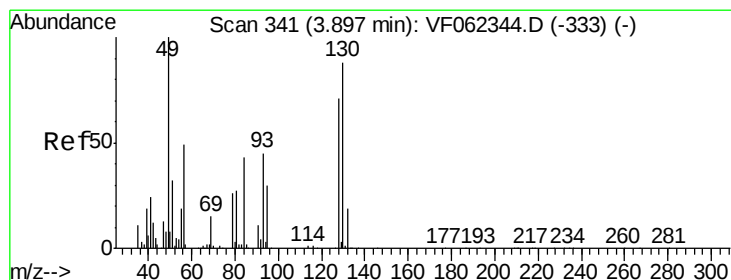
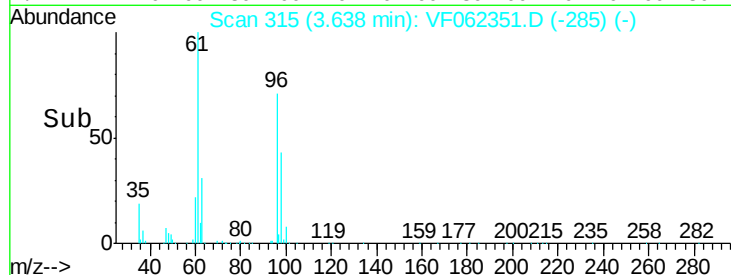
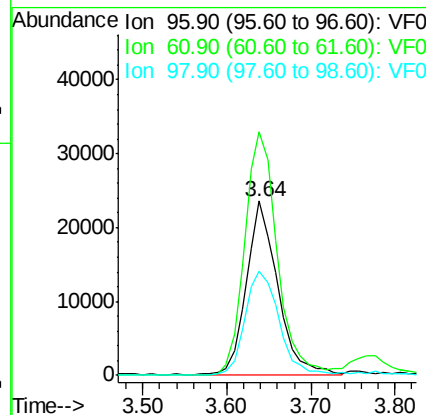
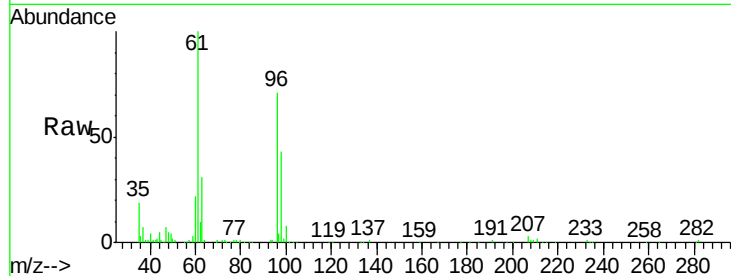
cis-1,2-Dichloroethene
Concen: 21.183 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	263.0
98	64.3	0.0	130.8

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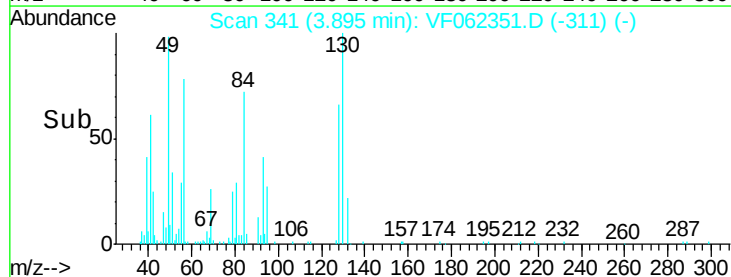
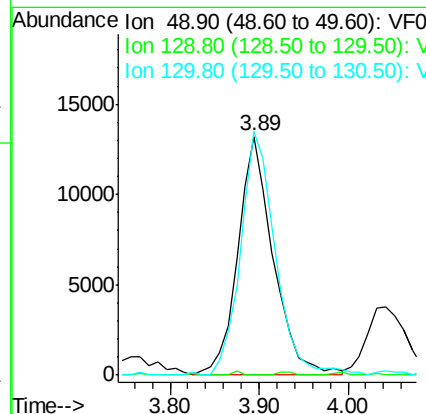
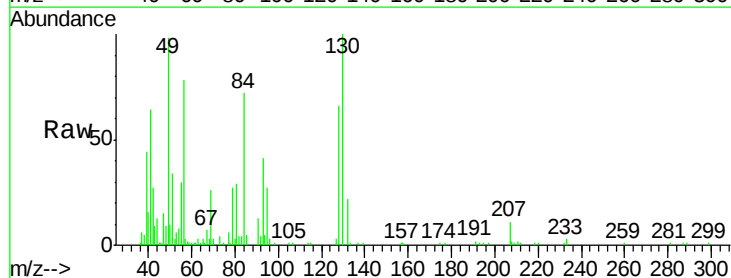
MMDadoda
5/8/2019 11:10:35 AM

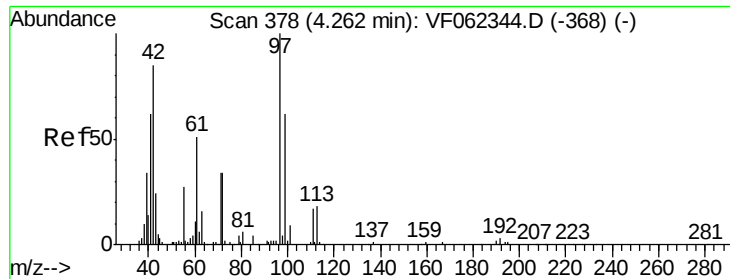


#28

Bromochloromethane
Concen: 19.630 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.2
130	100.6	79.4	119.0





#29

Tetrahydrofuran

Concen: 102.531 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

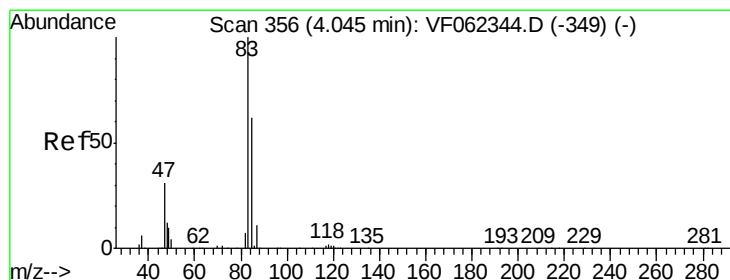
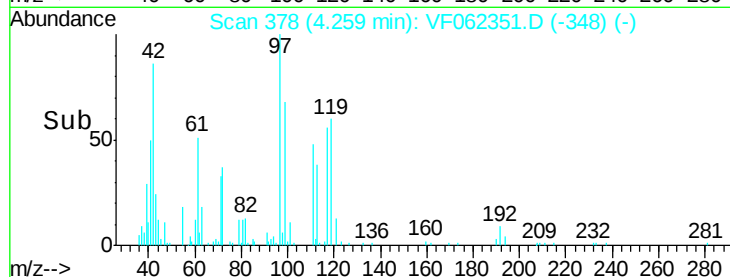
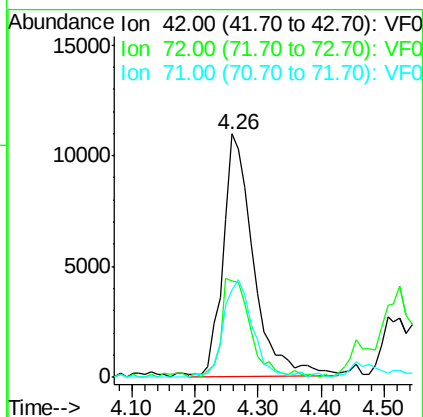
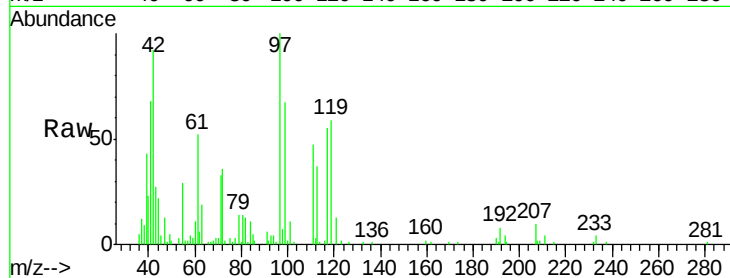
ClientSampleId :

VF0507SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.0
71	38.6	31.7	47.5

Manual Integrations
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5/8/2019 11:10:35 AM



#30

Chloroform

Concen: 22.007 ug/l

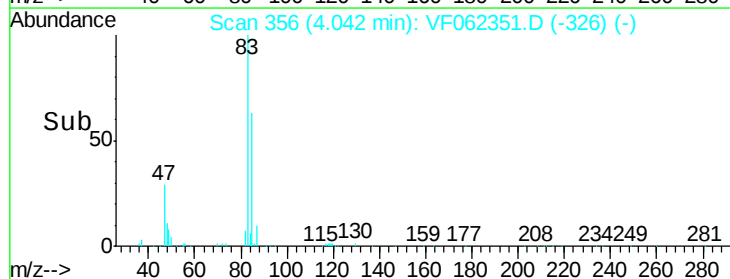
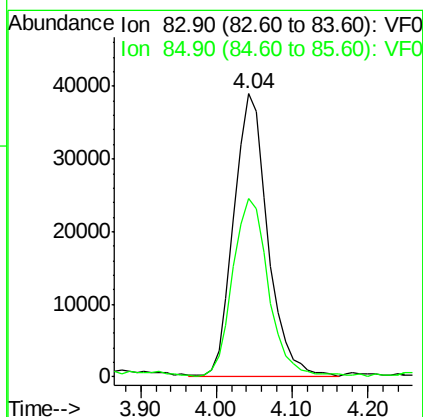
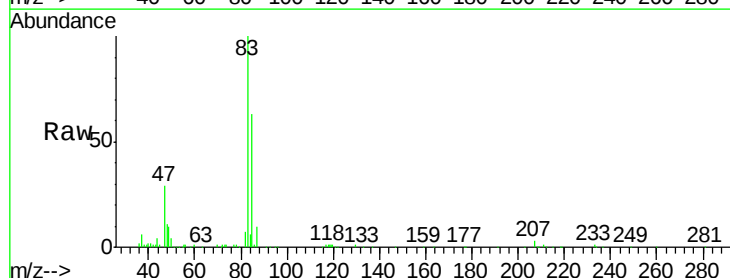
RT: 4.04 min Scan# 356

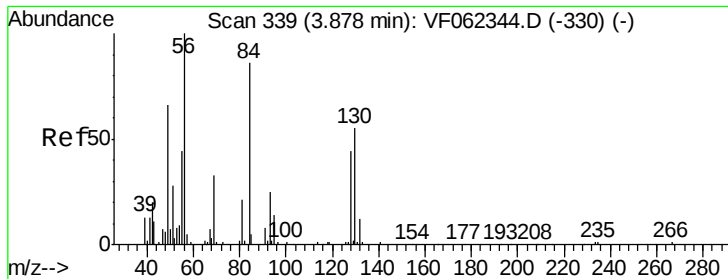
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.6	74.4





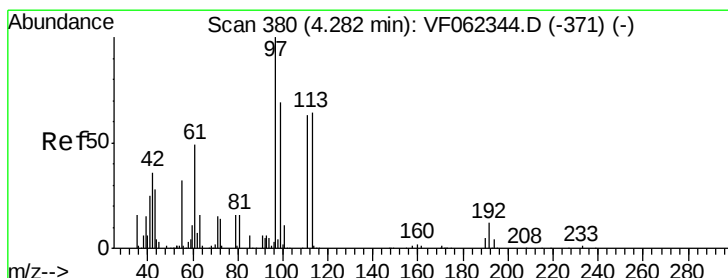
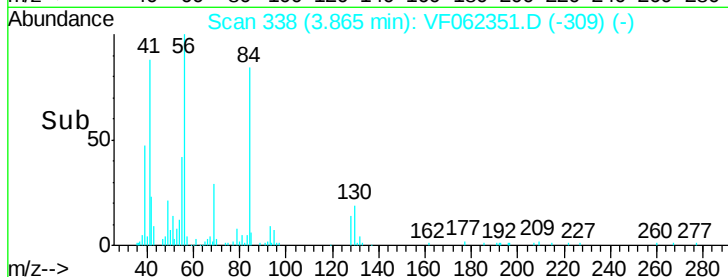
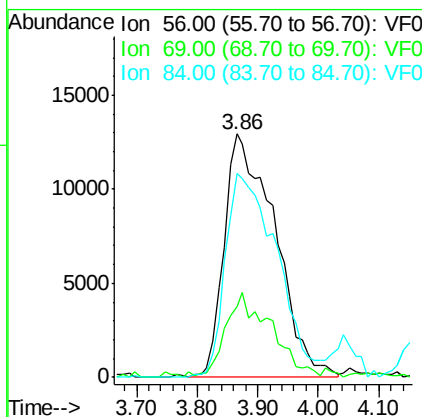
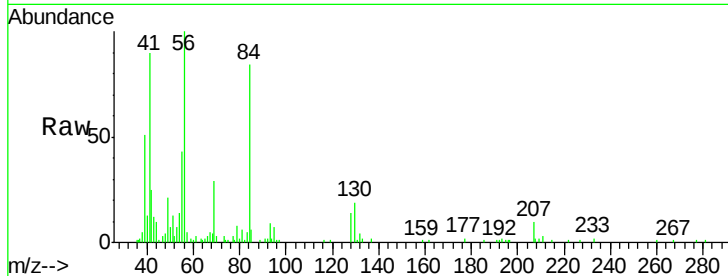
#31
Cyclohexane
Concen: 22.970 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		75118		
69	27.6	26.4	39.6		
84	83.5	69.0	103.6		

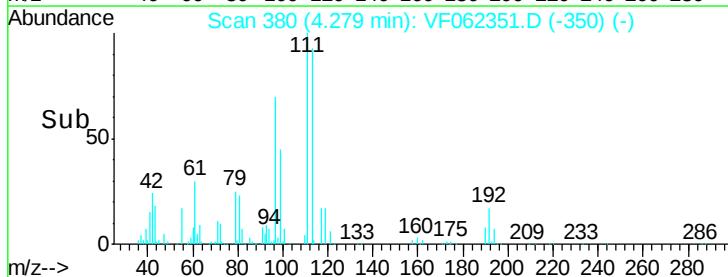
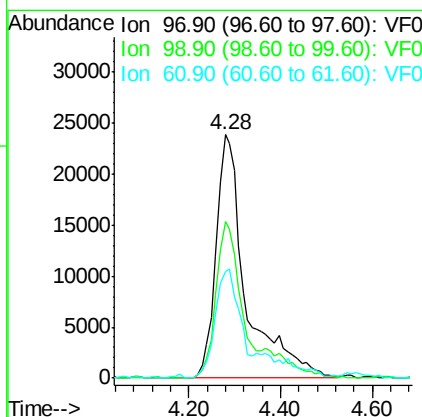
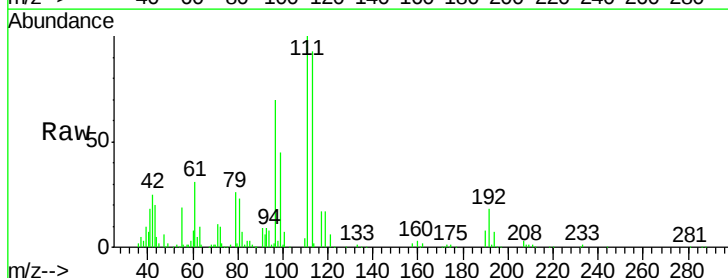
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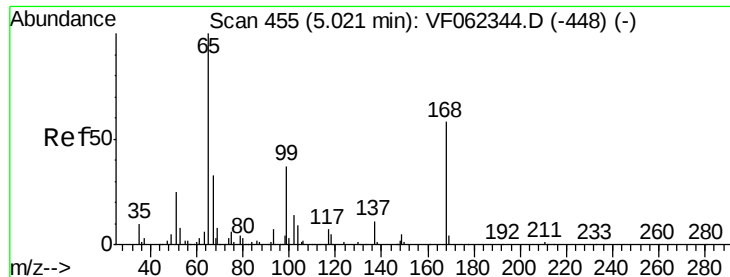
MMDadoda
5/8/2019 11:10:35 AM



#32
1,1,1-Trichloroethane
Concen: 22.775 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108044		
99	63.7	52.6	78.8		
61	36.7	39.4	59.0#		





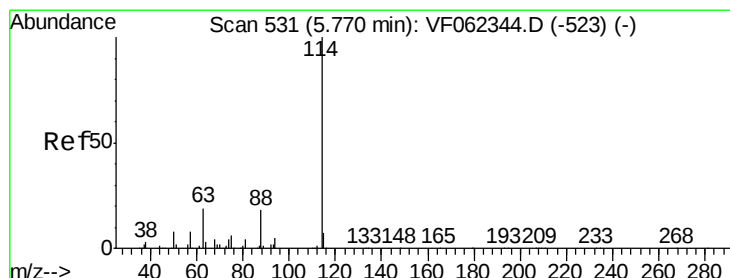
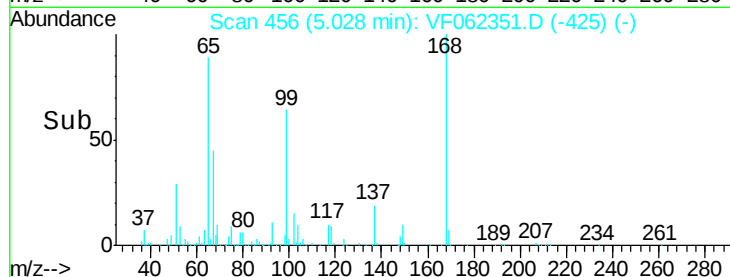
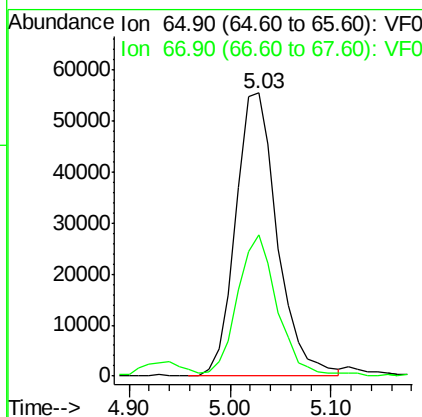
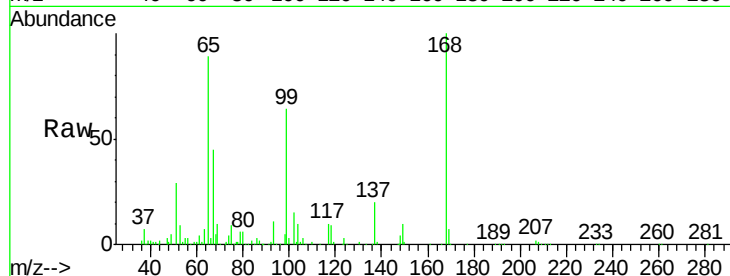
#33
 1,2-Dichloroethane-d4
 Concen: 52.245 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158124		
67	47.7	0.0	85.8	

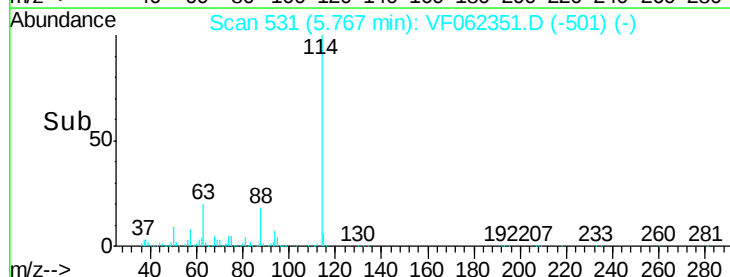
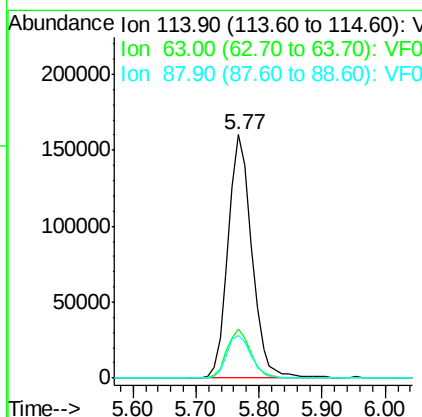
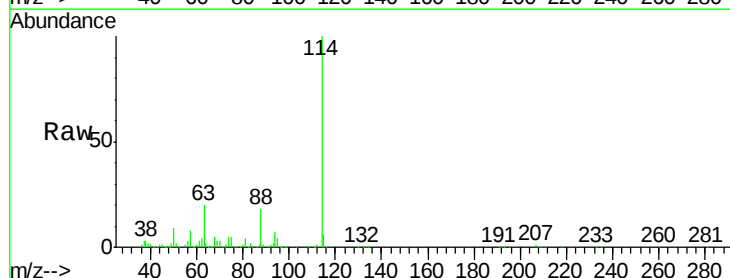
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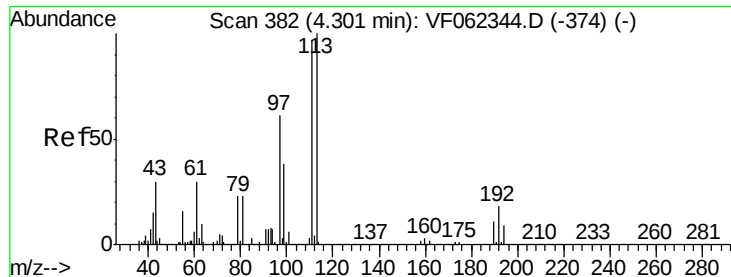
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	418364		
63	19.8	0.0	37.4	
88	17.5	0.0	36.4	





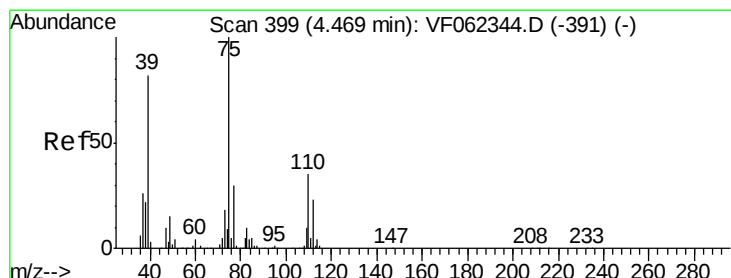
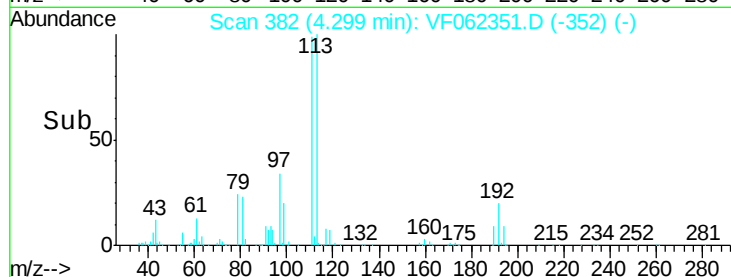
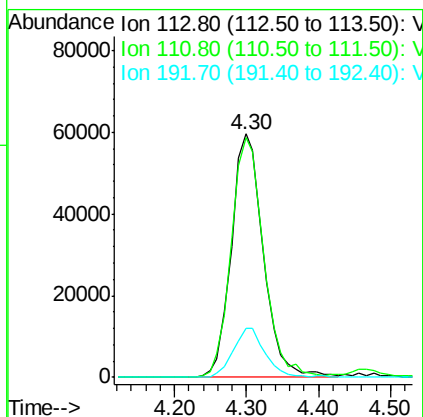
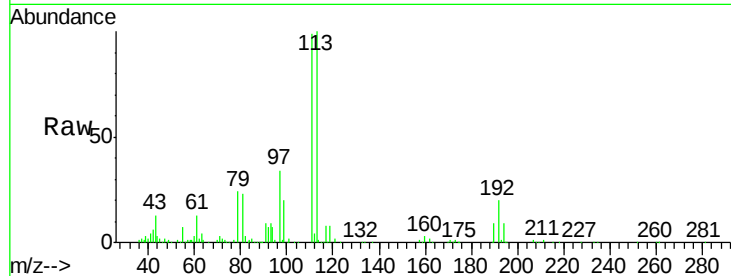
#35
Dibromofluoromethane
Concen: 55.421 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184720		
111	100.0	79.4	119.0	
192	20.4	16.0	24.0	

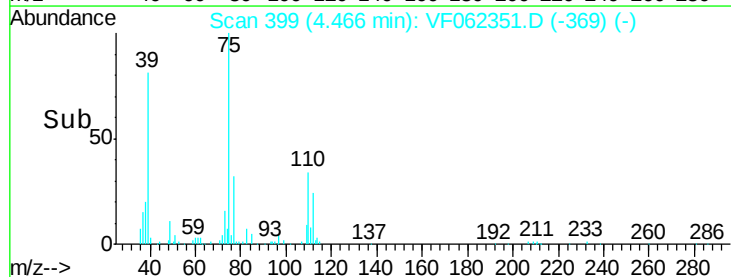
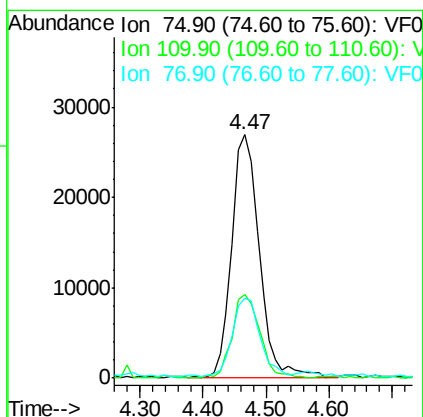
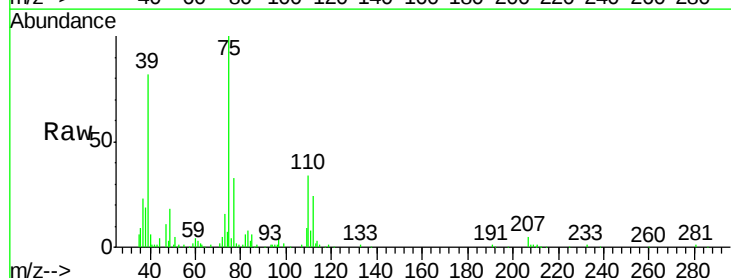
Manual Integrations
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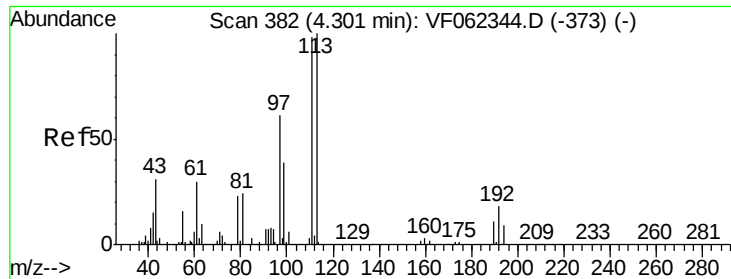
MMDadoda
5/8/2019 11:10:35 AM



#36
1,1-Dichloropropene
Concen: 22.910 ug/l
RT: 4.47 min Scan# 399
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82337		
110	34.4	17.2	51.5	
77	31.5	25.2	37.8	





#37

Ethyl Acetate

Concen: 19.919 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

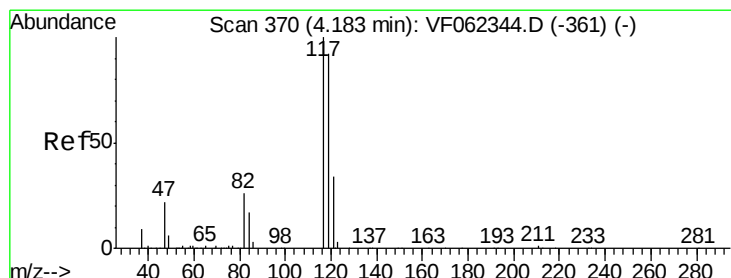
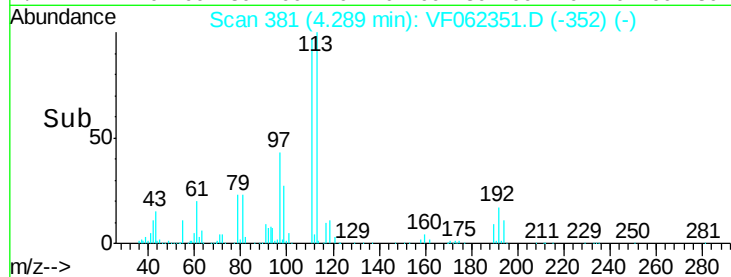
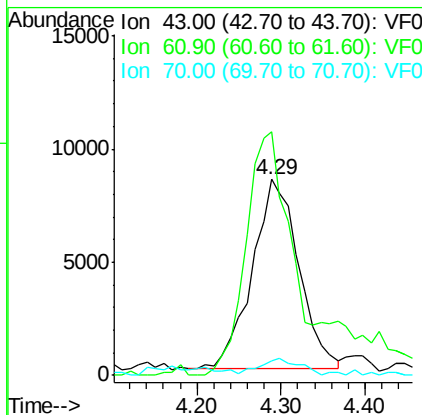
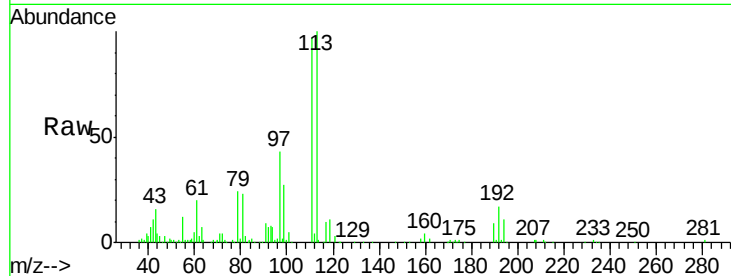
ClientSampleId :

VF0507SBS01

Tot Ion:	43	Resp:	32313
Ion Ratio	Lower	Upper	
43	100		
61	122.6	0.0	0.0#
70	6.5	8.2	12.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.850 ug/l m

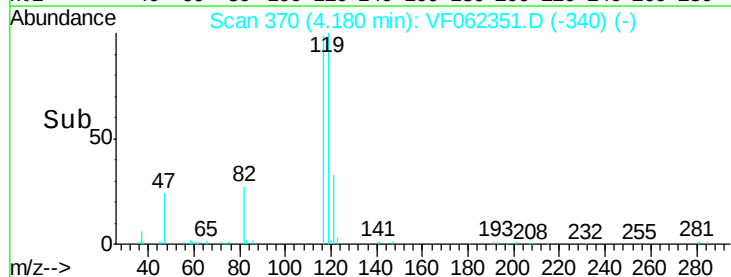
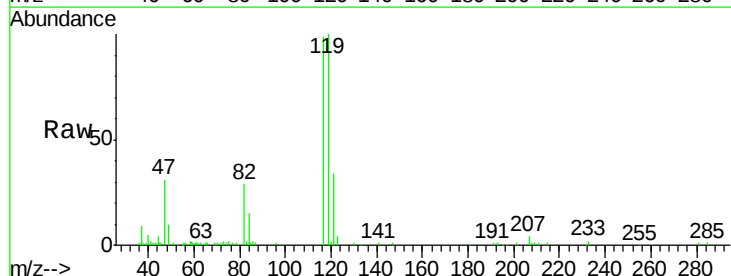
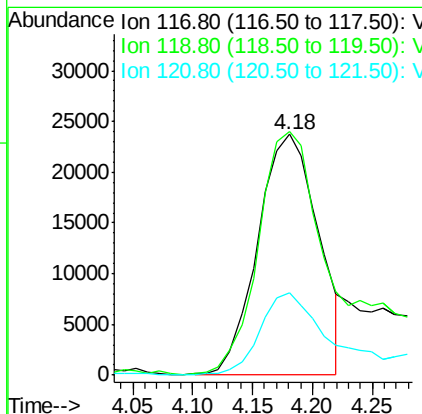
RT: 4.18 min Scan# 370

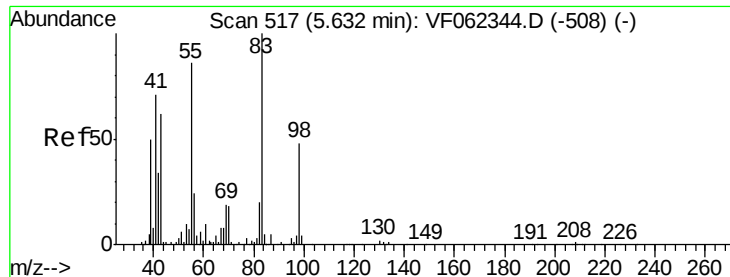
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	117	Resp:	83765
Ion Ratio	Lower	Upper	
117	100		
119	101.2	73.4	110.2
121	34.0	27.4	41.0





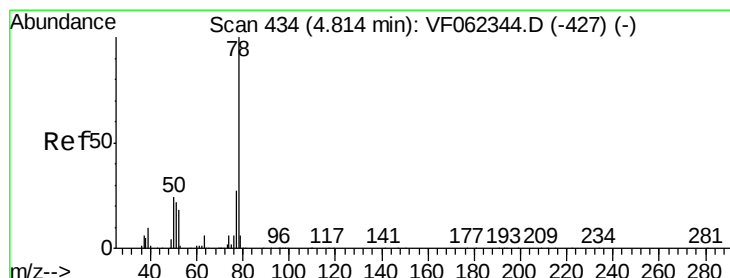
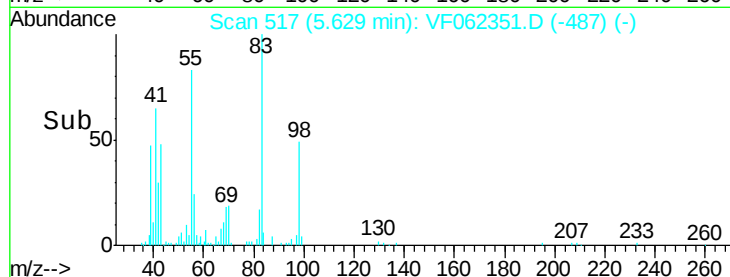
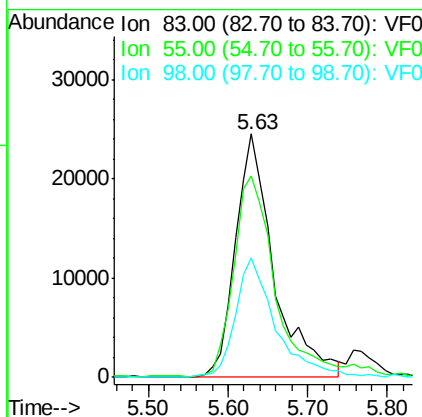
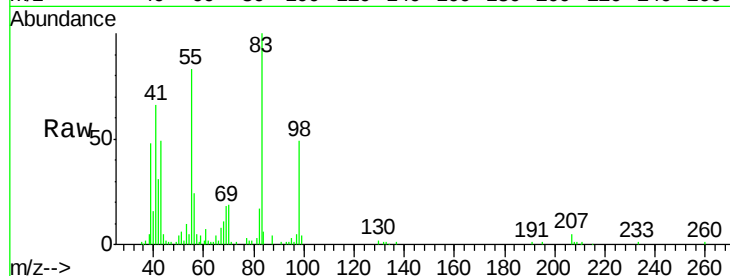
#39
Methvlcvclohexane
Concen: 22.933 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	69.0	103.6
98	49.2	38.6	58.0

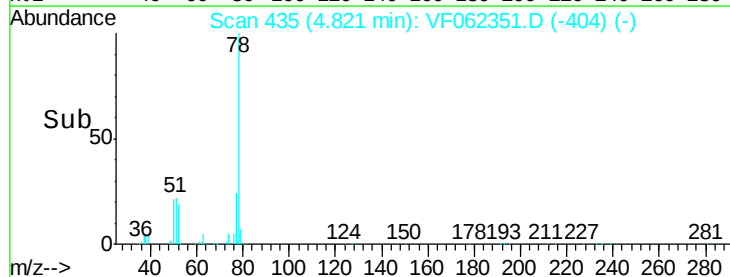
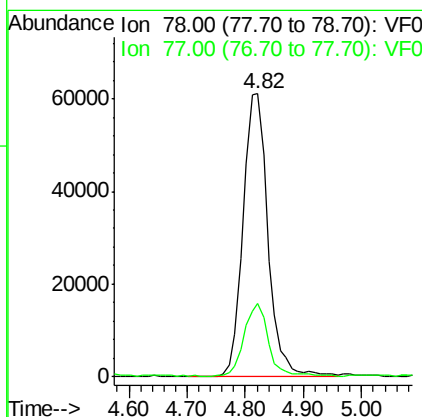
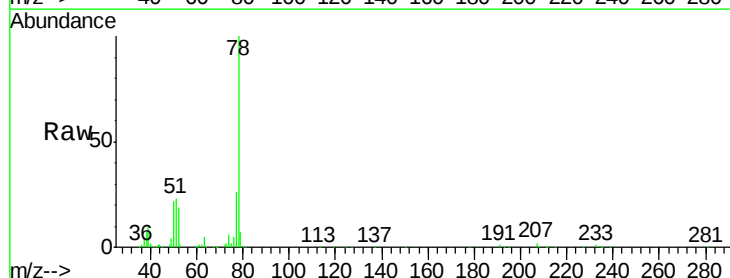
Manual Integrations
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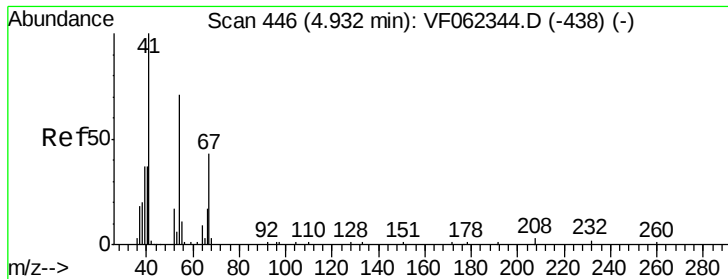
MMDadoda
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#40
Benzene
Concen: 23.227 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	21.6	32.4





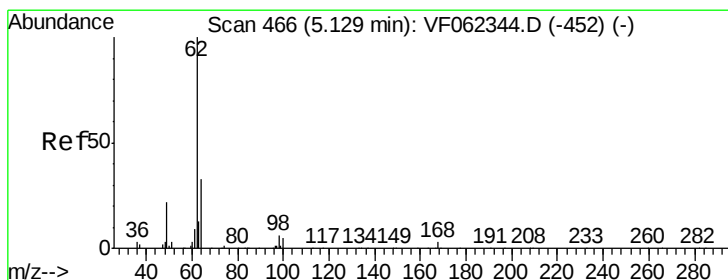
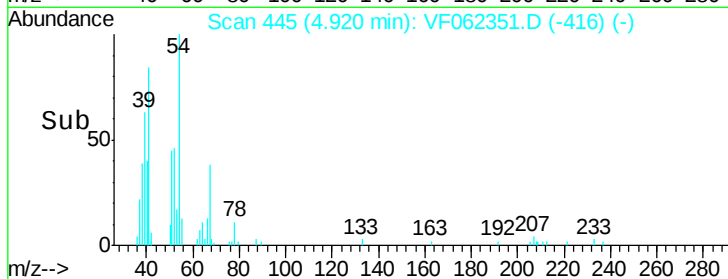
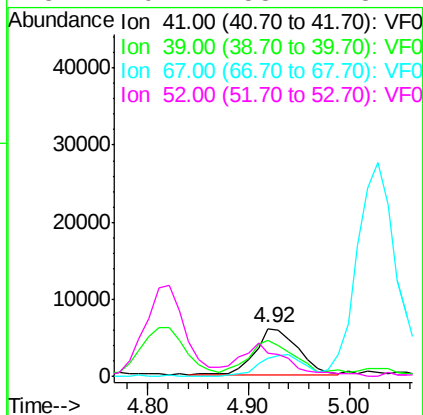
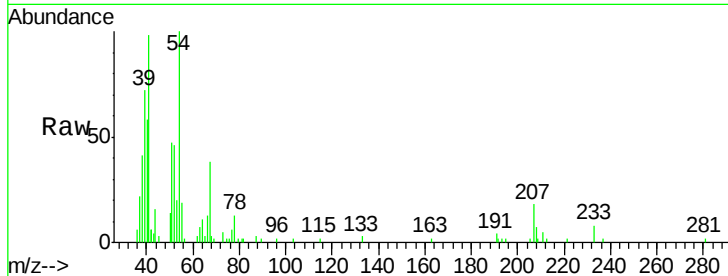
#41
Methacrylonitrile
Concen: 20.086 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion:	41	Resp:	17309
Ion	Ratio	Lower	Upper
41	100		
39	85.7	54.3	81.5#
67	0.0	37.8	56.8#
52	79.2	58.2	87.4

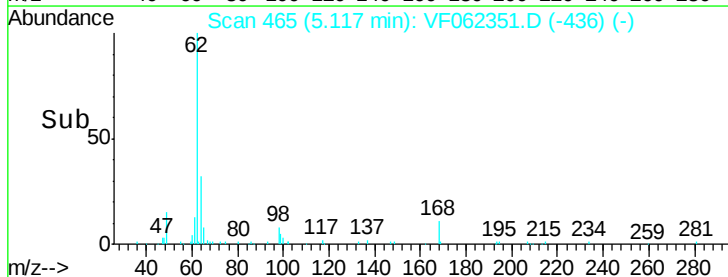
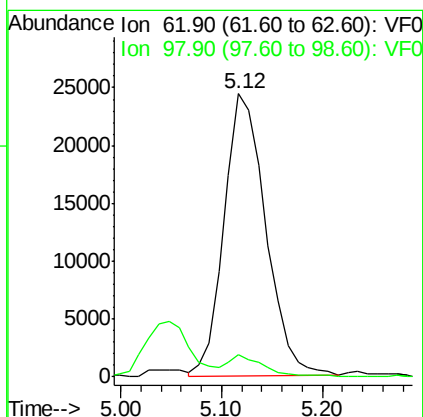
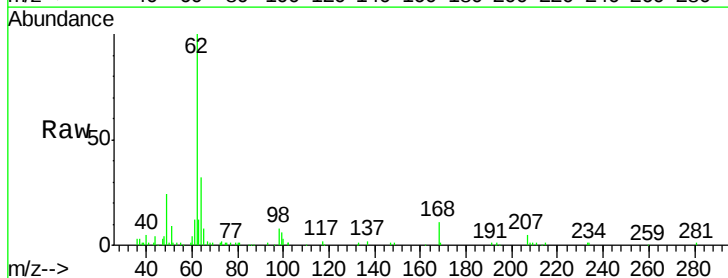
Manual Integrations
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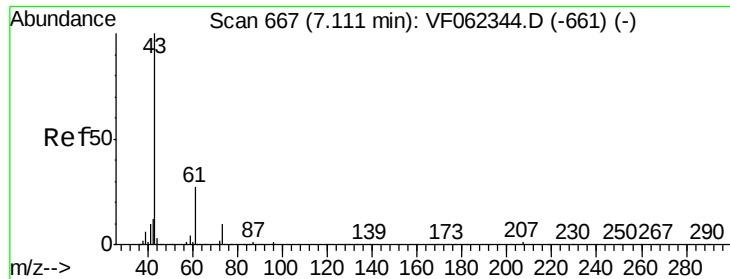
MMDadoda
5/8/2019 11:10:35 AM



#42
1,2-Dichloroethane
Concen: 21.194 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion:	62	Resp:	70151
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	12.4





#43

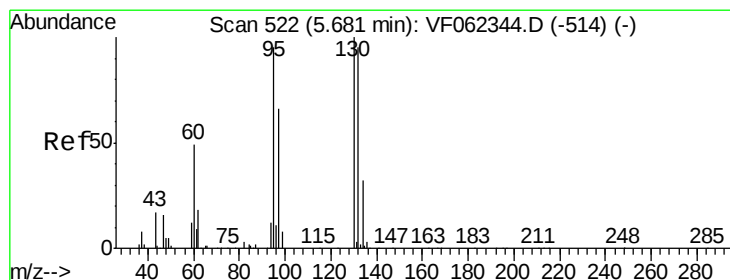
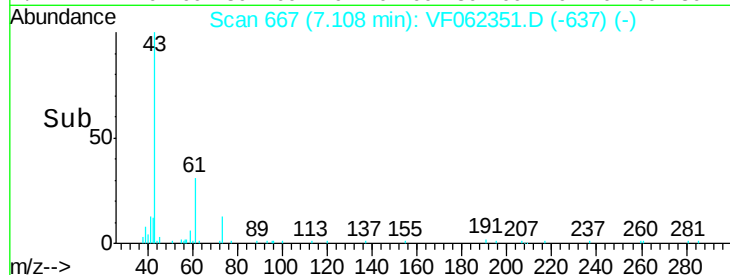
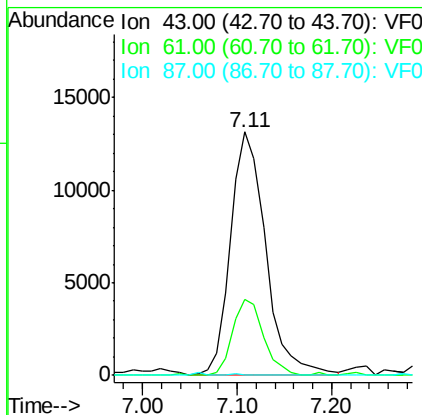
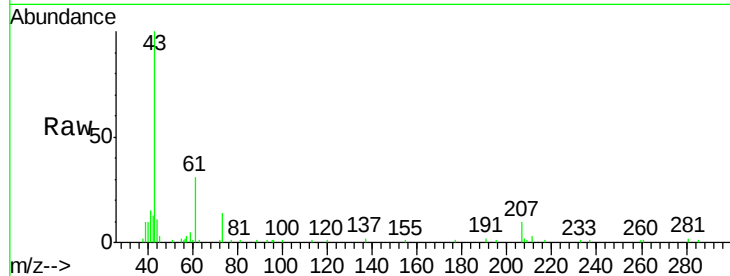
Isopropyl Acetate
 Concen: 20.819 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	22.8	34.2
87	0.2	0.6	1.0

Manual Integrations
 APPROVED

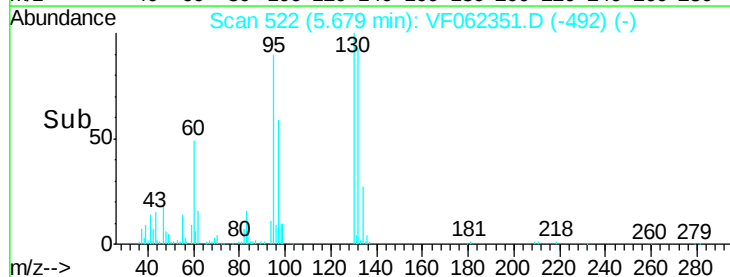
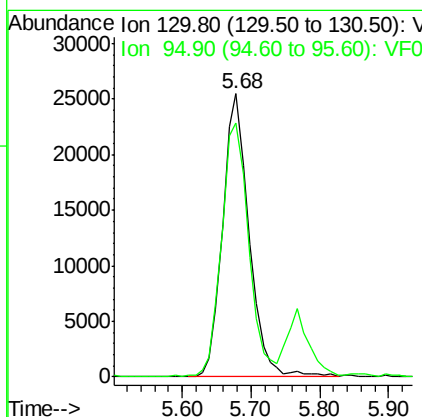
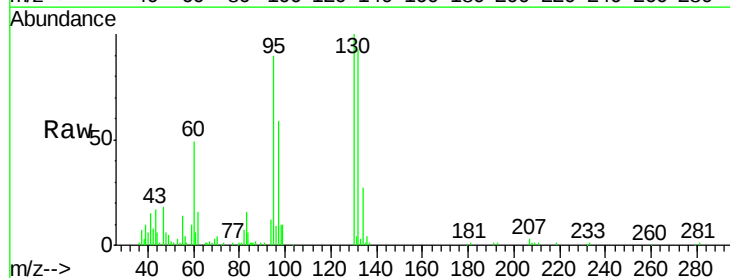
MMDadoda
 5/8/2019 11:10:35 AM

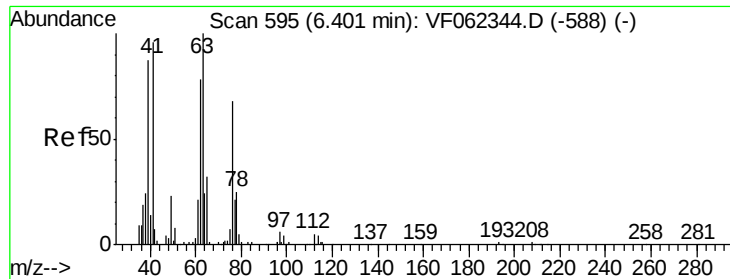


#44

Trichloroethene
 Concen: 23.272 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	189.0





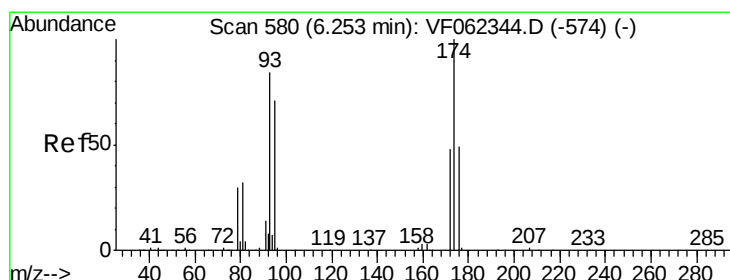
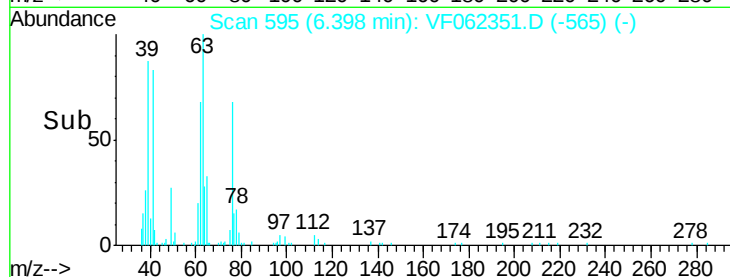
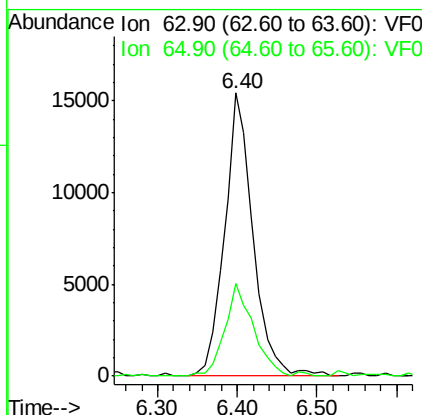
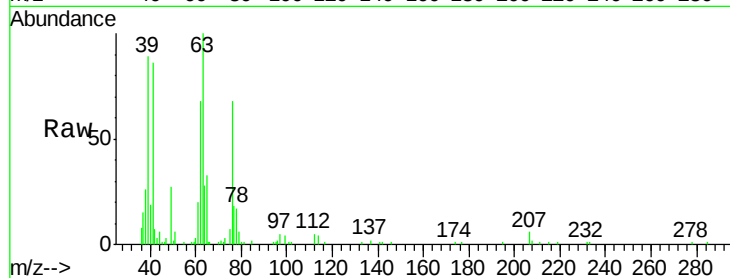
#45
1,2-Dichloropropane
Concen: 21.511 ug/l
RT: 6.40 min Scan# 595
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	63	Resp	38559
Ion Ratio	Lower	Upper	
63	100		
65	32.8	25.6	38.4

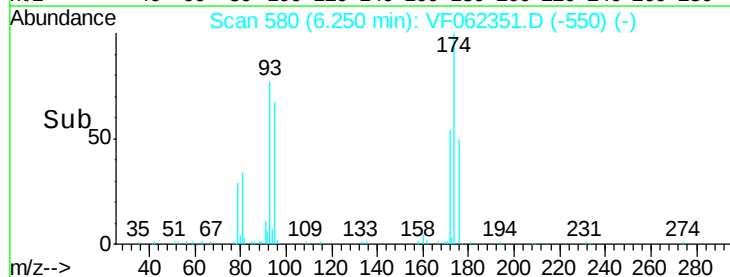
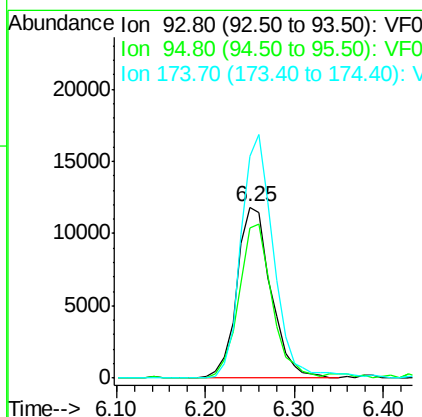
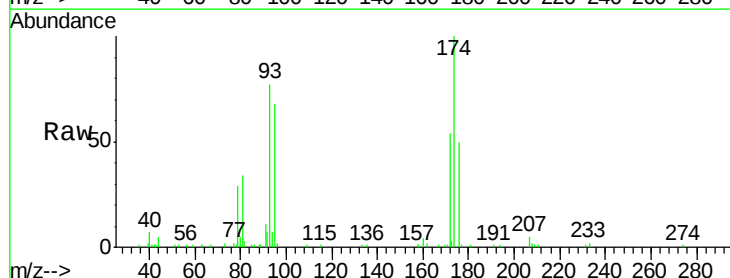
Manual Integrations
APPROVED

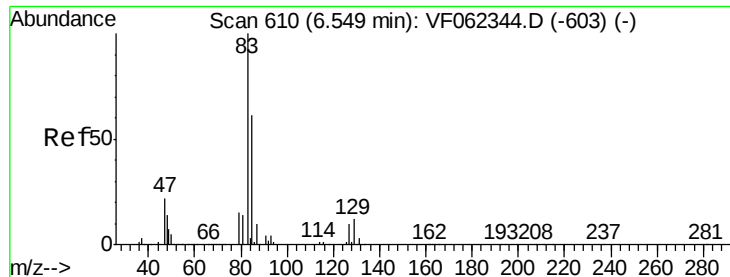
MMDadoda
5/8/2019 11:10:35 AM



#46
Dibromomethane
Concen: 21.071 ug/l
RT: 6.25 min Scan# 580
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	93	Resp	31317
Ion Ratio	Lower	Upper	
93	100		
95	87.9	68.4	102.6
174	136.8	99.6	149.4





#47

Bromodichloromethane

Concen: 21.942 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

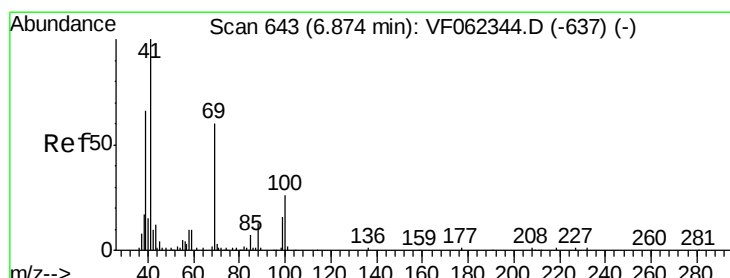
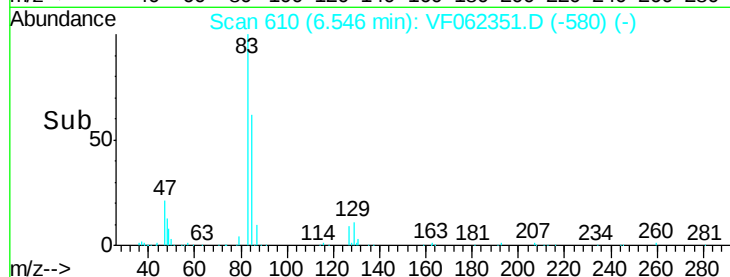
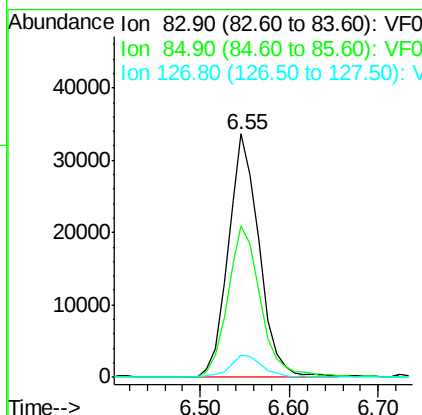
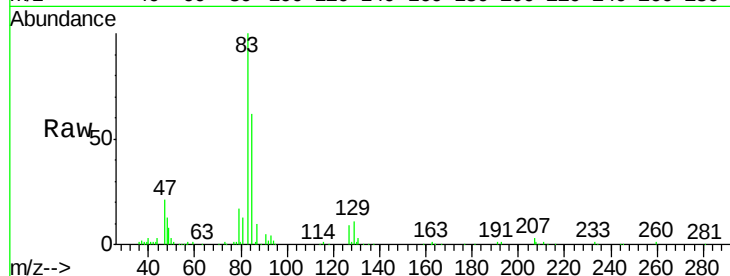
ClientSampleId :

VF0507SBS01

Tot Ion:	83	Resp:	81534
Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.1	73.7
127	9.3	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
5/8/2019 11:10:35 AM



#48

Methyl methacrylate

Concen: 19.710 ug/l

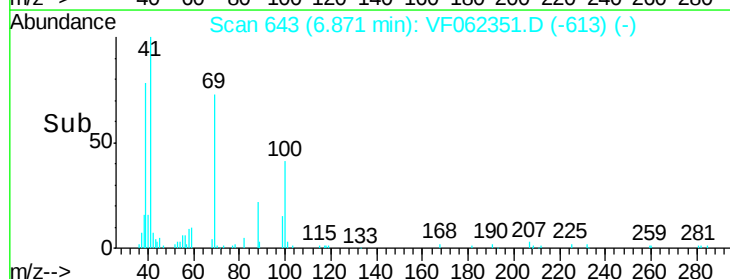
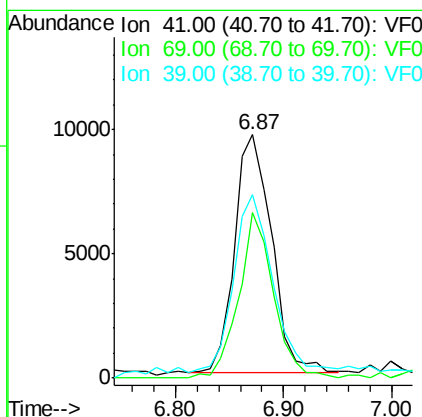
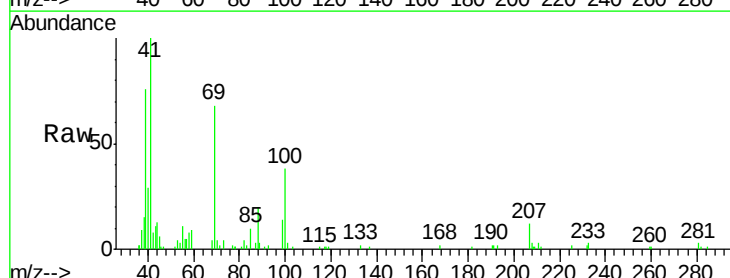
RT: 6.87 min Scan# 643

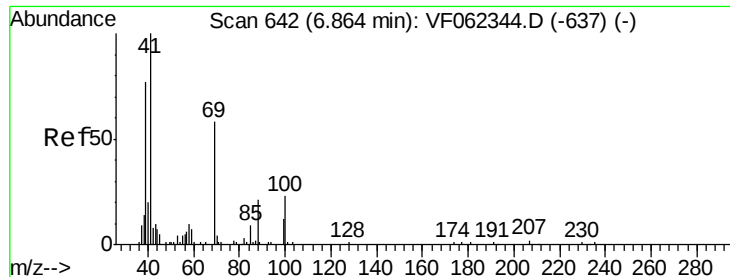
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	41	Resp:	22769
Ion	Ratio	Lower	Upper
41	100		
69	65.1	48.6	72.8
39	79.0	56.1	84.1





#49

1,4-Dioxane

Concen: 414.276 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

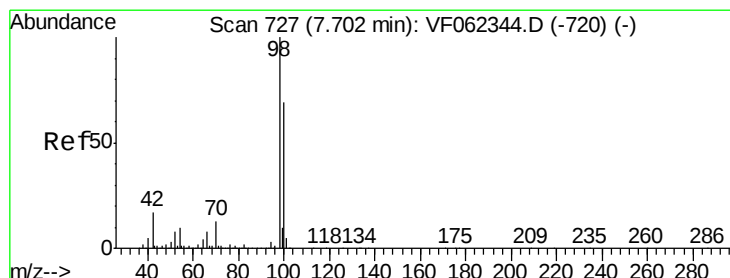
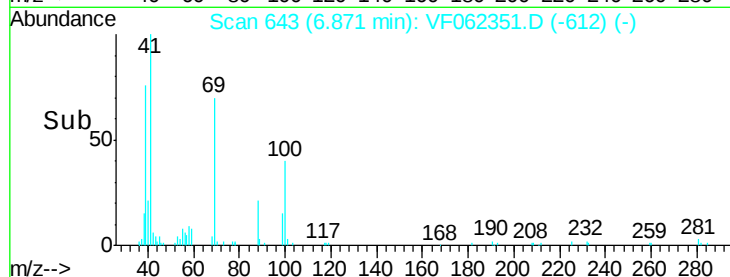
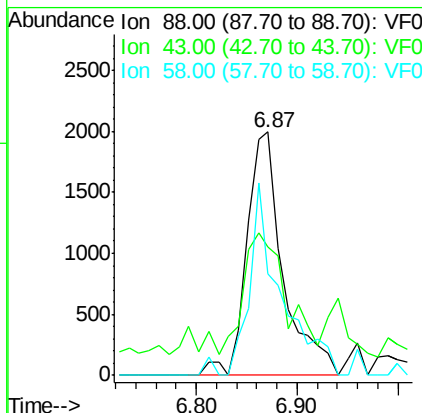
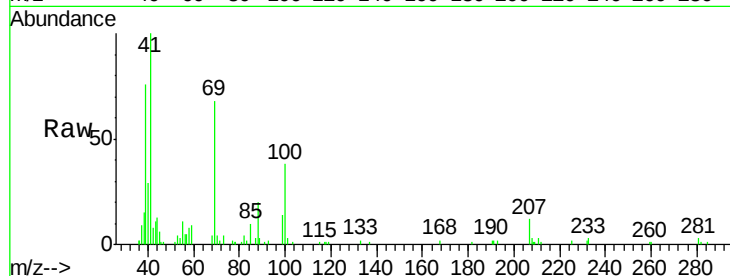
ClientSampleId :

VF0507SBS01

Tot Ion:	88	Resp:	5013
Ion	Ratio	Lower	Upper
88	100		
43	58.2	55.6	83.4
58	67.8	52.8	79.2

Manual Integrations
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#50

Toluene-d8

Concen: 55.025 ug/l

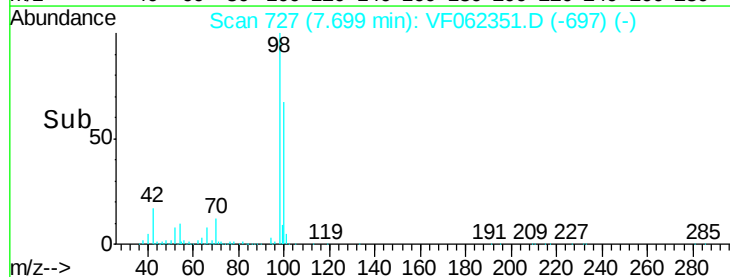
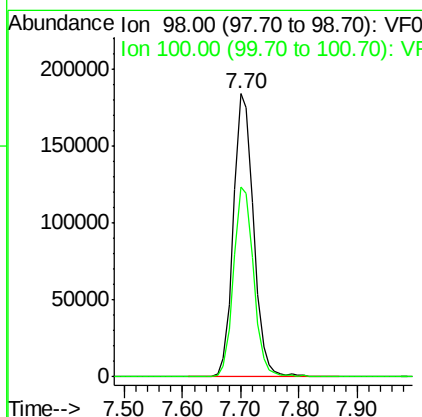
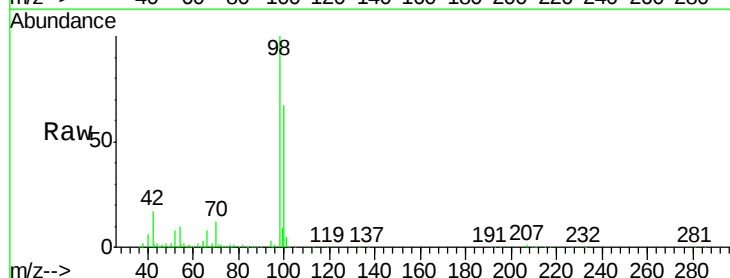
RT: 7.70 min Scan# 727

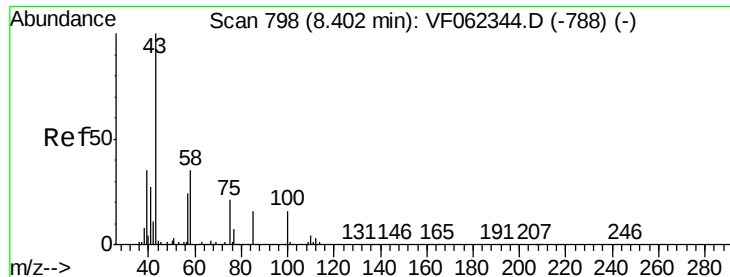
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	98	Resp:	443949
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 104.802 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 43 Resp: 129815

Ion Ratio Lower Upper

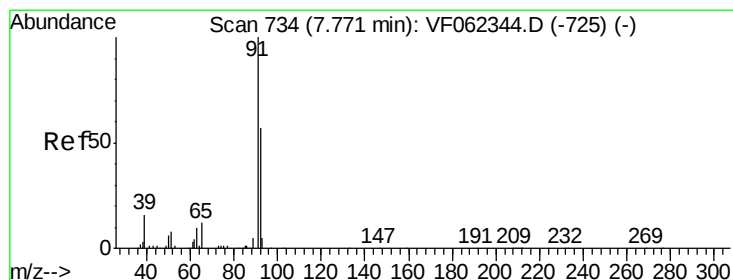
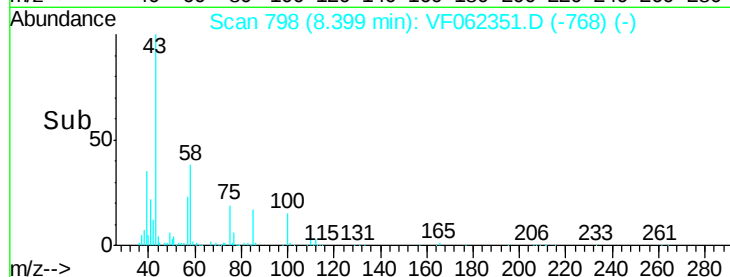
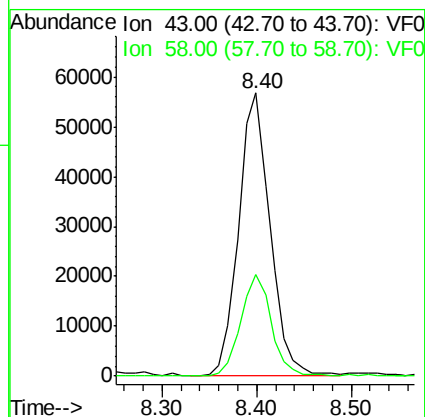
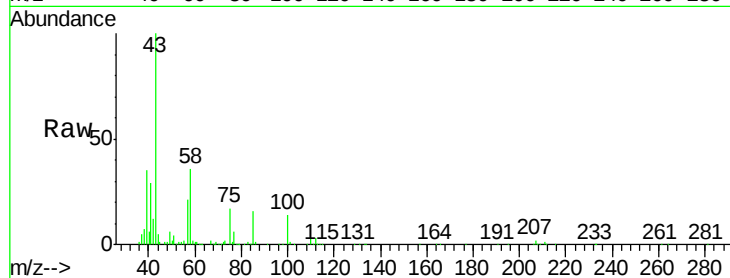
43 100

58 35.2 27.8 41.6

Manual Integrations
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#52

Toluene

Concen: 22.045 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062351.D

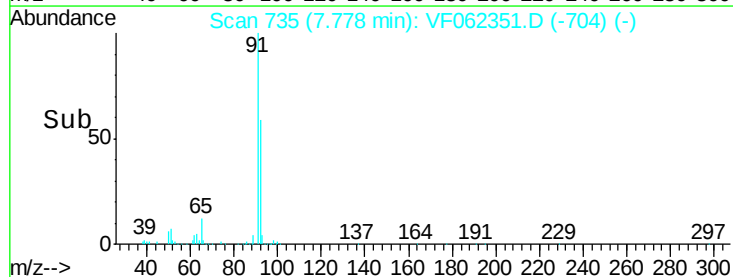
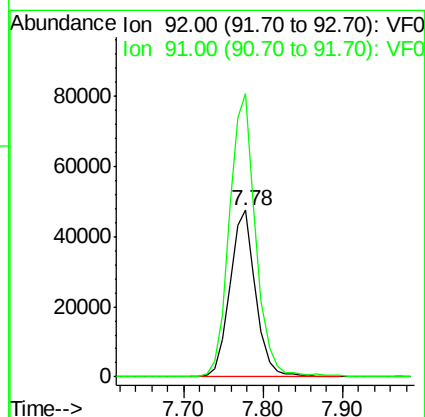
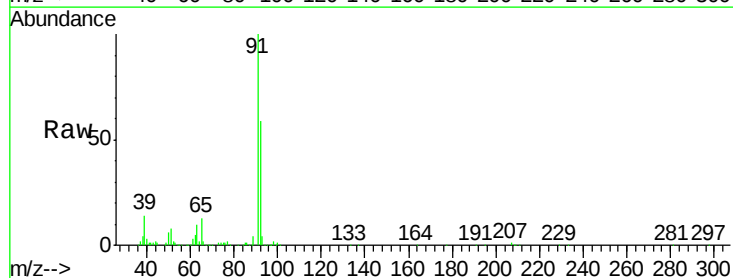
Acq: 7 May 2019 12:17

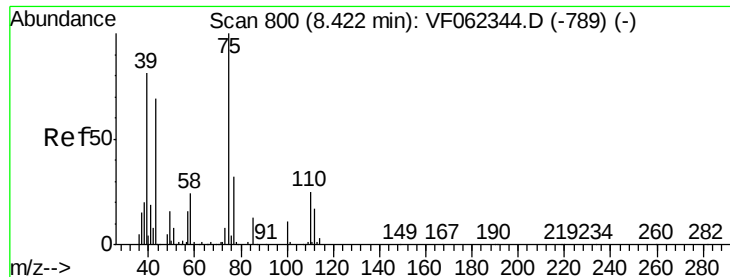
Tgt Ion: 92 Resp: 107630

Ion Ratio Lower Upper

92 100

91 171.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 21.555 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tot Ion: 75 Resp: 60578

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.0

Instrument :

MSVOA_F

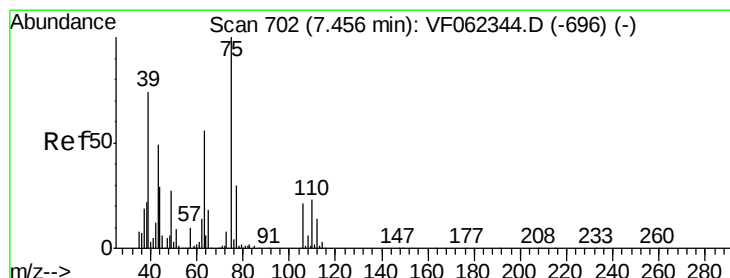
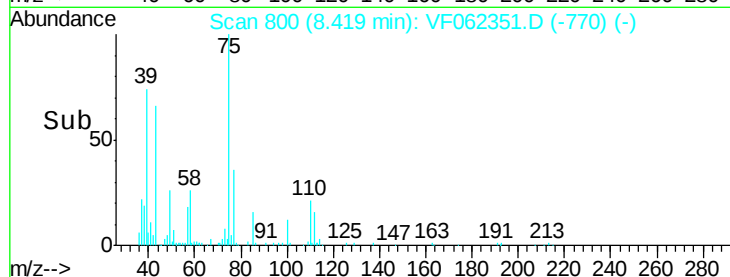
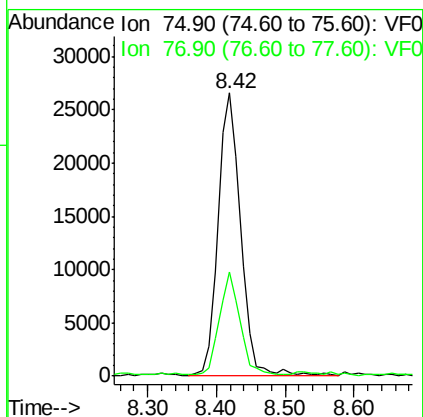
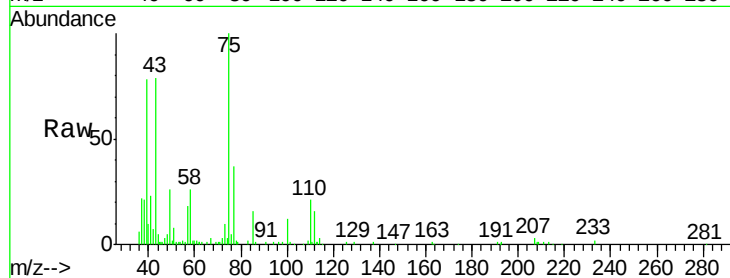
ClientSampleId :

VF0507SBS01

Manual Integrations
APPROVED

MMDadoda

5/8/2019 11:10:35 AM



#54

cis-1,3-Dichloropropene

Concen: 21.368 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

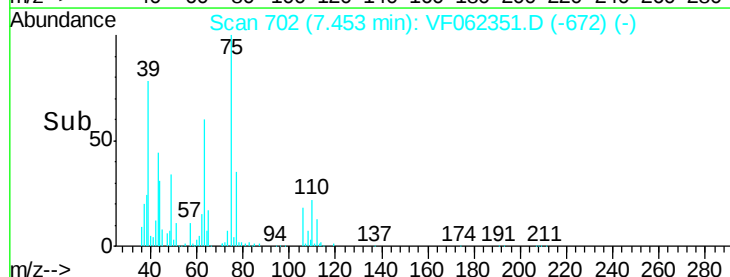
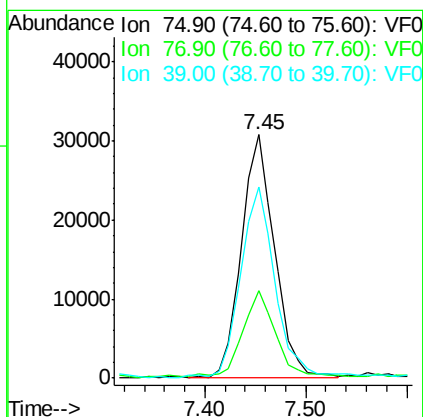
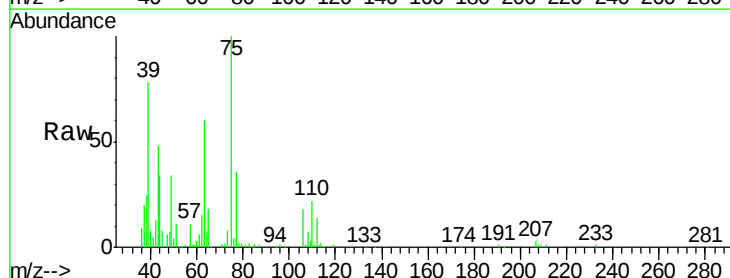
Tgt Ion: 75 Resp: 69890

Ion Ratio Lower Upper

75 100

77 35.8 24.0 36.0

39 77.6 58.7 88.1





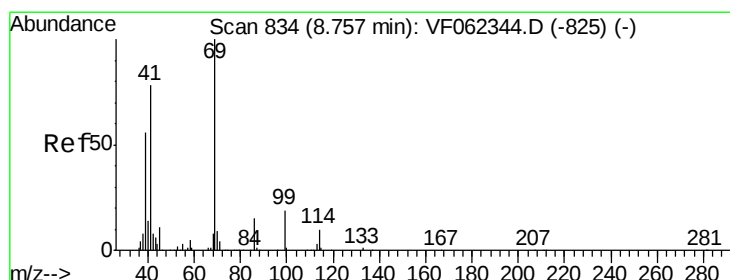
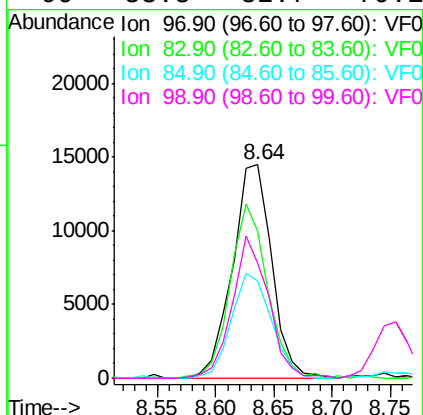
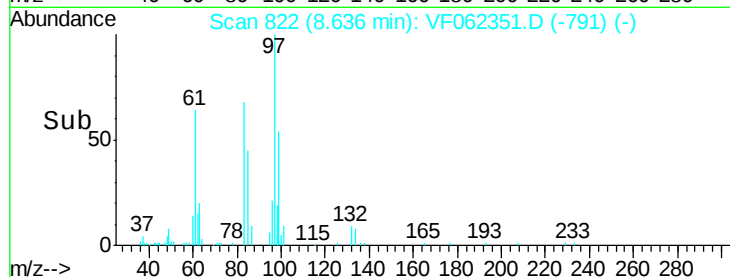
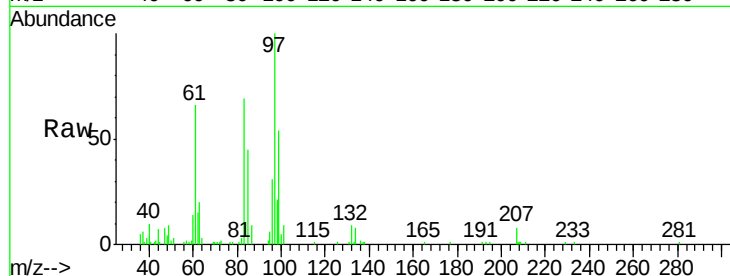
#55
 1,1,2-Trichloroethane
 Concen: 21.907 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion:	97	Resp:	33952
Ion	Ratio	Lower	Upper
97	100		
83	67.6	68.5	102.7#
85	45.4	45.4	68.2#
99	53.8	52.7	79.1

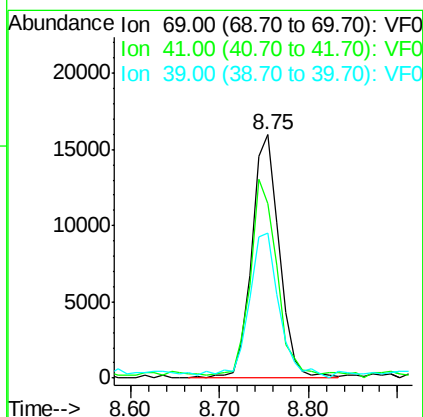
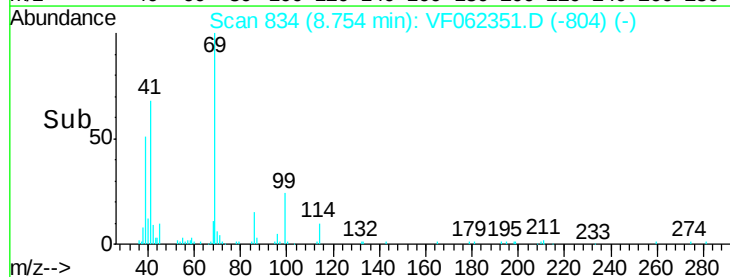
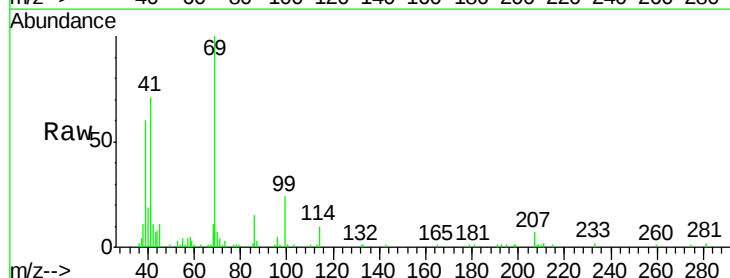
Manual Integrations
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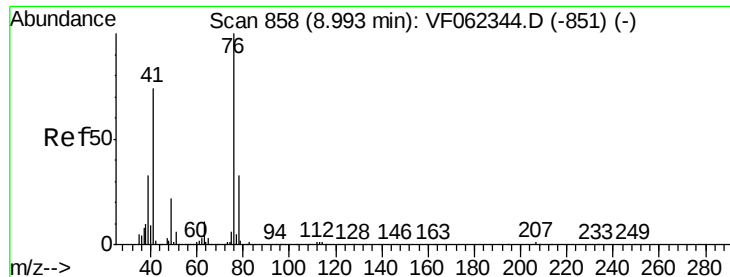
MMDadoda
 5/8/2019 11:10:35 AM



#56
 Ethyl methacrylate
 Concen: 20.739 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion:	69	Resp:	33930
Ion	Ratio	Lower	Upper
69	100		
41	75.4	66.3	99.5
39	65.9	50.1	75.1





#57

1,3-Dichloropropane

Concen: 21.209 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 76 Resp: 49652

Ion Ratio Lower Upper

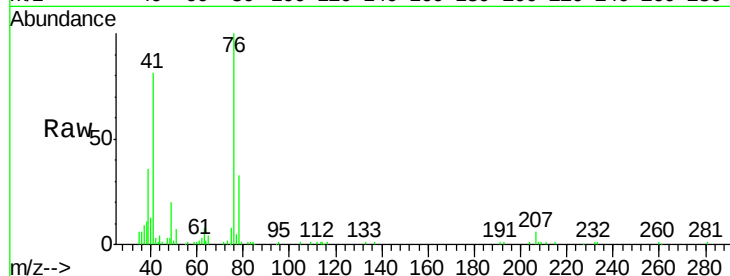
76 100

78 32.7 26.4 39.6

Manual Integrations
APPROVED

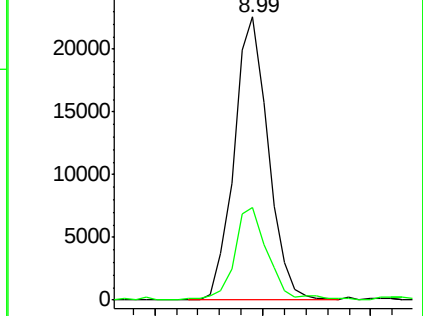
MMDadoda

5/8/2019 11:10:35 AM

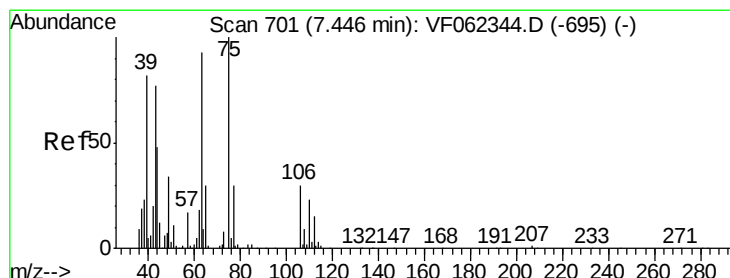
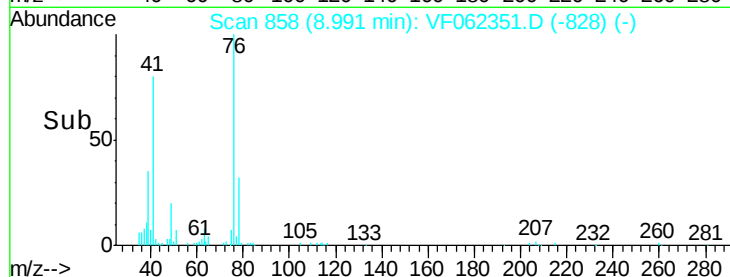


Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.173 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062351.D

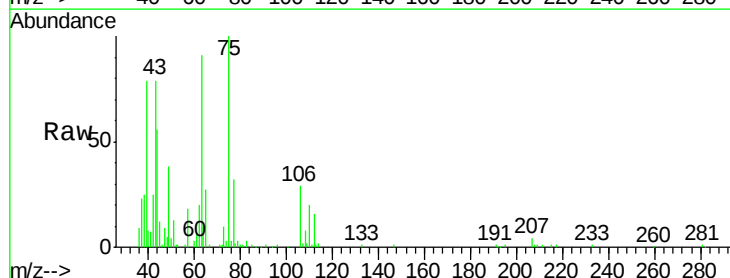
Acq: 7 May 2019 12:17

Tgt Ion: 63 Resp: 51731

Ion Ratio Lower Upper

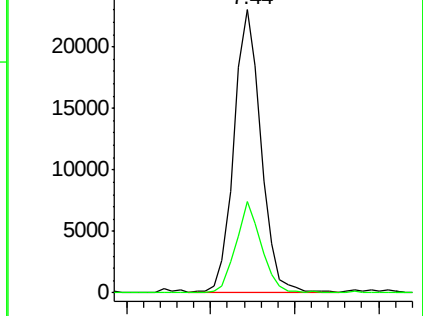
63 100

106 30.6 25.8 38.8

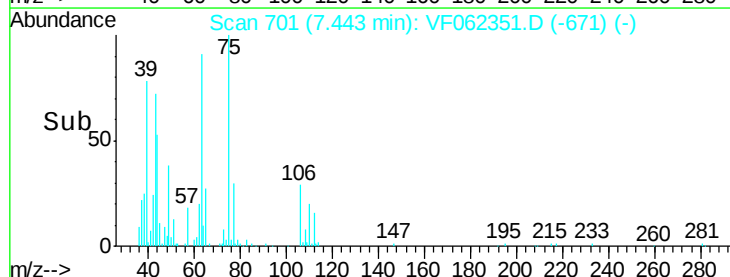


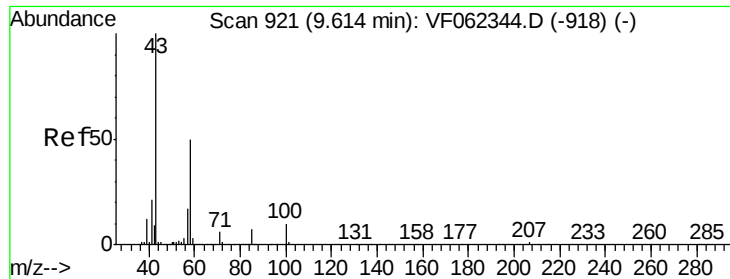
Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V



Time-->





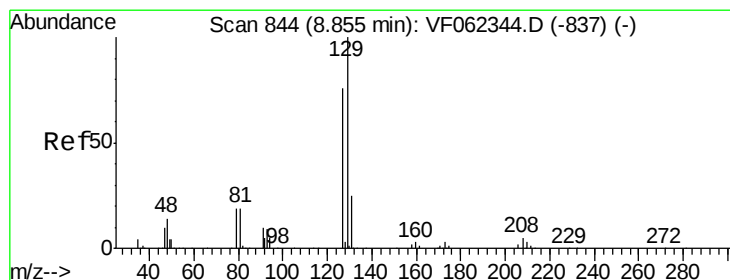
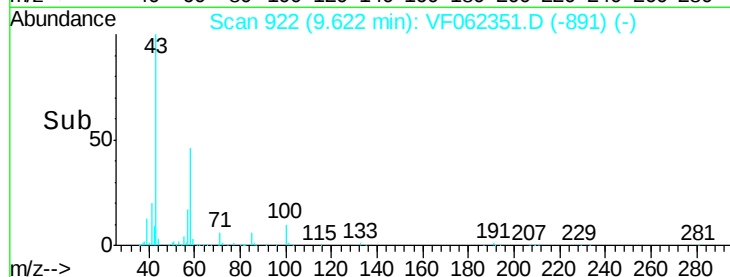
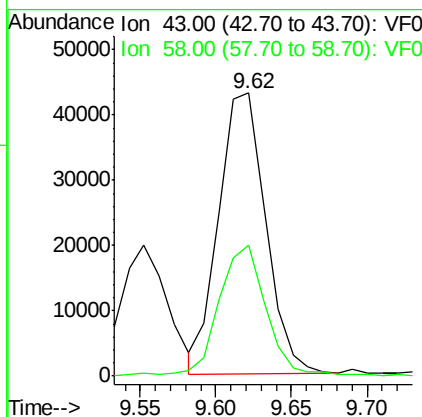
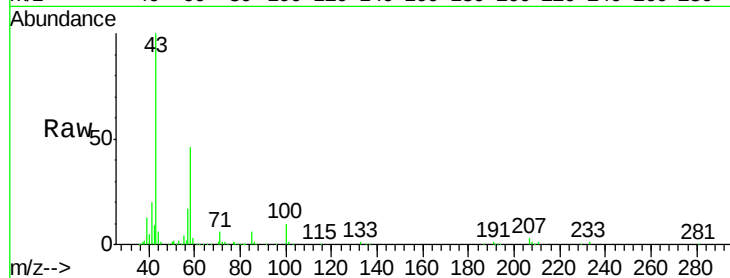
#59
2-Hexanone
Concen: 108.246 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion: 43 Resp: 92731
Ion Ratio Lower Upper
43 100
58 47.5 24.3 73.0

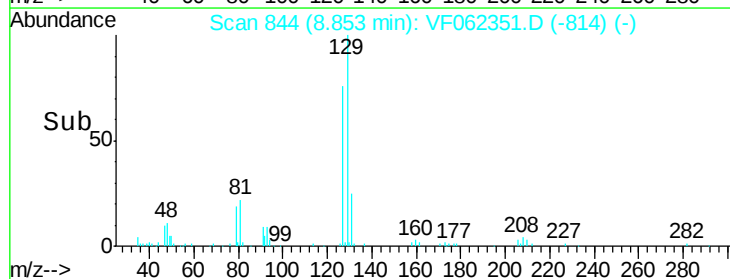
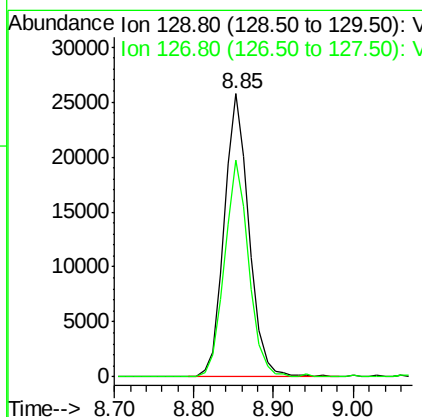
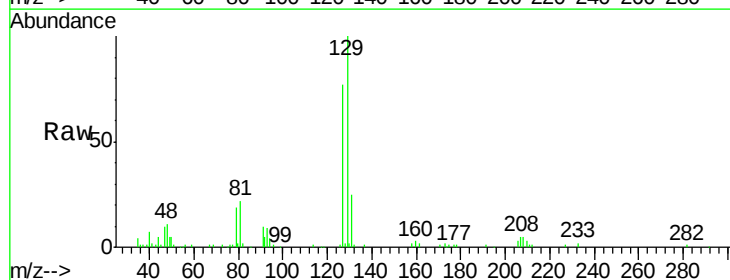
Manual Integrations
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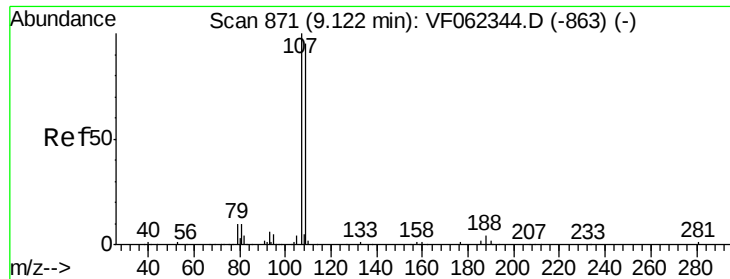
MMDadoda
5/8/2019 11:10:35 AM



#60
Dibromochloromethane
Concen: 22.236 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion:129 Resp: 56365
Ion Ratio Lower Upper
129 100
127 74.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.649 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion:107 Resp: 39436

Ion Ratio Lower Upper

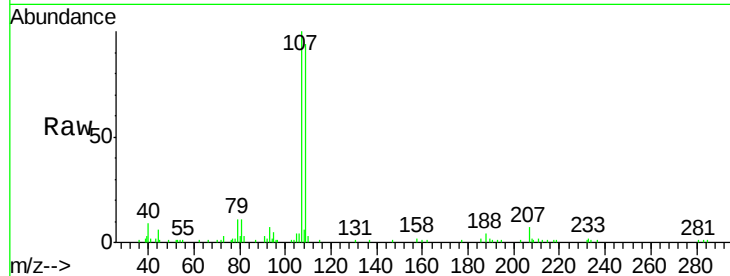
107 100

109 94.6 75.2 112.8

Manual Integrations
APPROVED

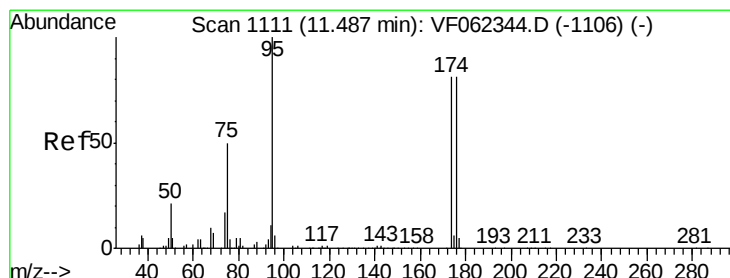
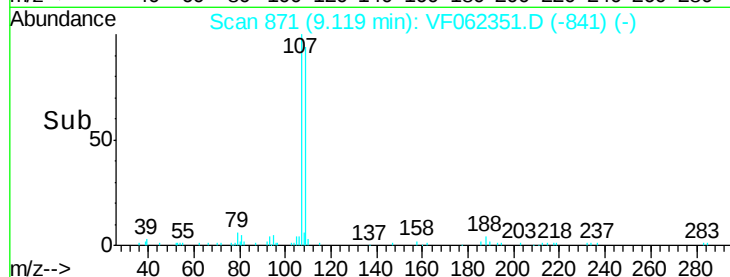
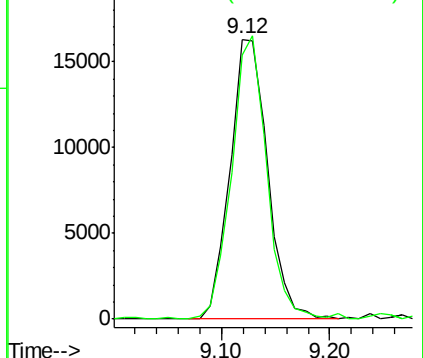
MMDadoda

5/8/2019 11:10:35 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.963 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

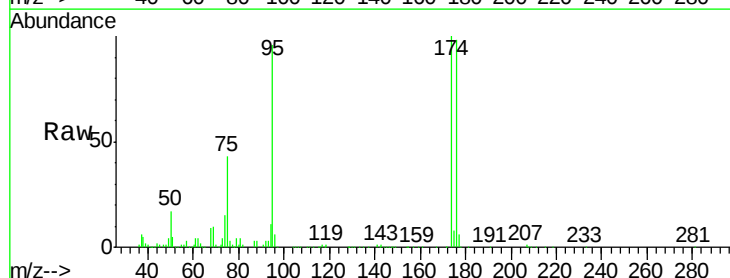
Tgt Ion: 95 Resp: 200069

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.8

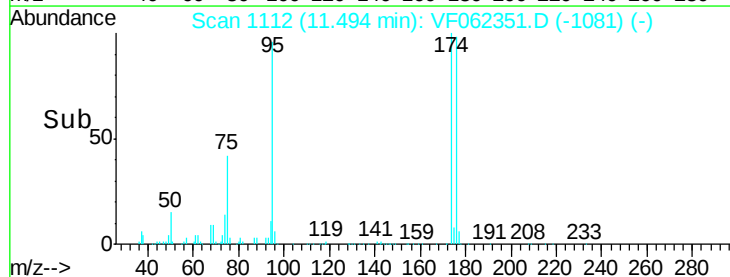
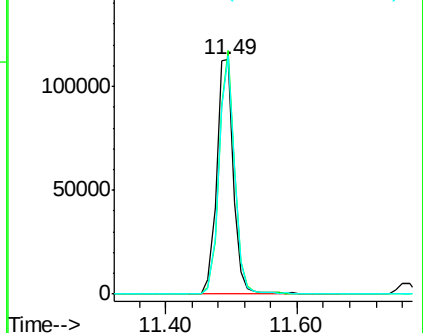
176 94.4 0.0 193.2

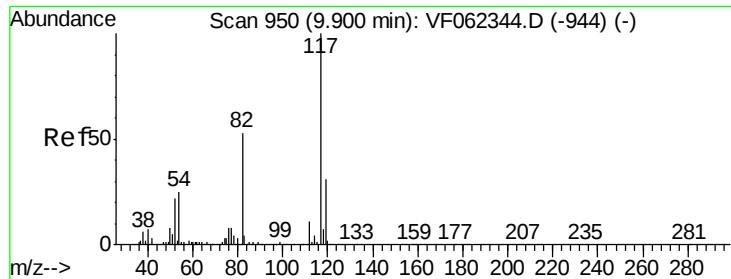


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

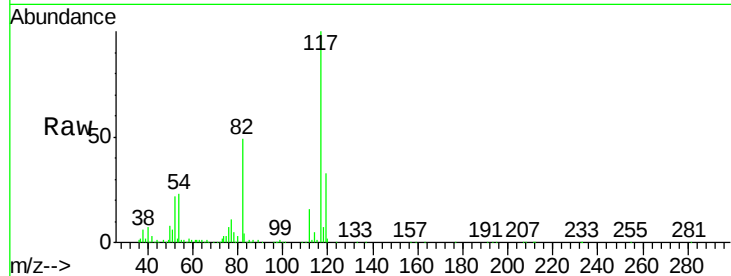
ClientSampleId :

VF0507SBS01

Tot Ion:	117	Resp:	357628
Ion Ratio	Lower	Upper	
117	100		
82	48.9	42.2	63.2
119	32.8	25.0	37.4

Manual Integrations
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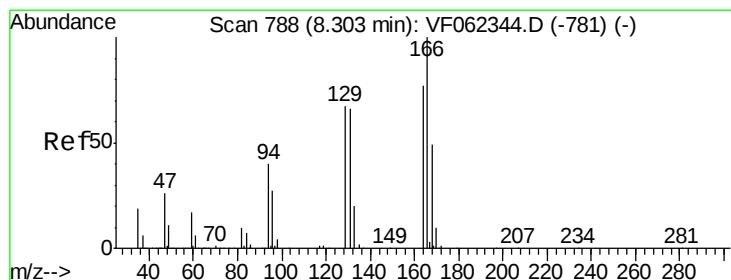
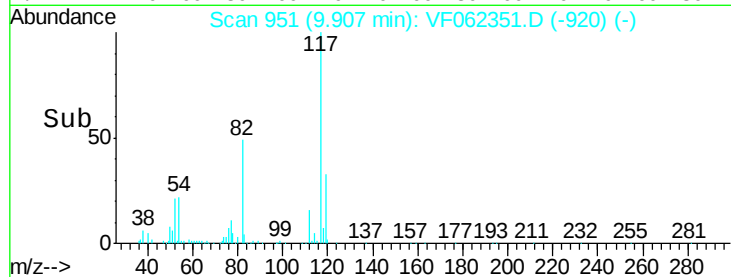
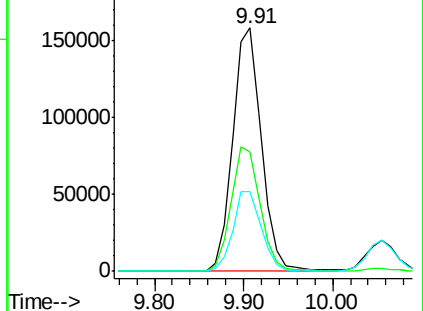
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.819 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

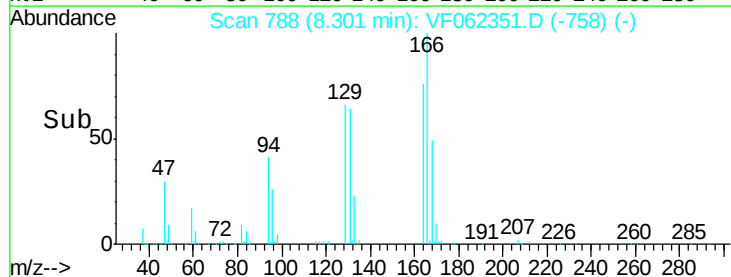
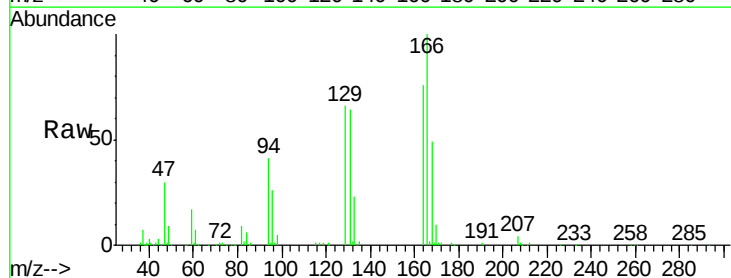
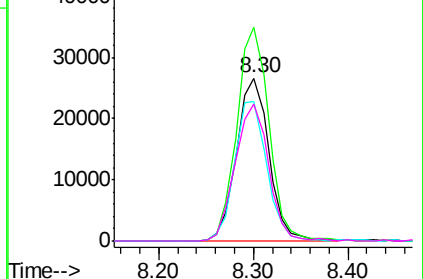
Tgt Ion:	164	Resp:	63347
Ion Ratio	Lower	Upper	
164	100		
166	131.1	104.2	156.4
129	85.9	69.6	104.4
131	84.1	68.8	103.2

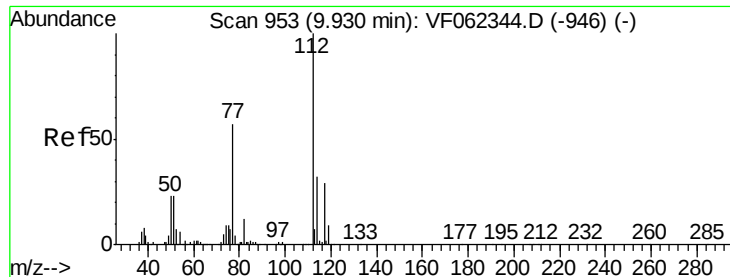
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.324 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion:112 Resp: 132093

Ion Ratio Lower Upper

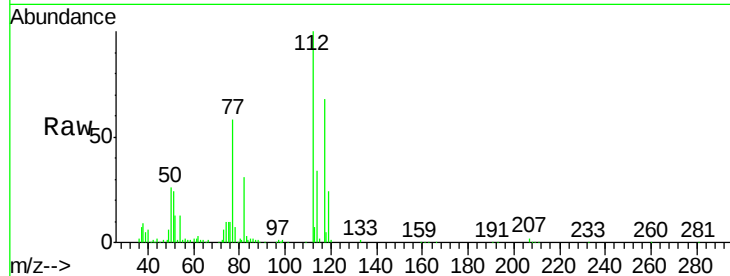
112 100

114 33.7 25.4 38.0

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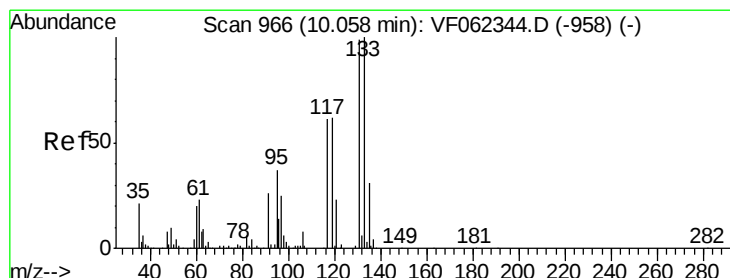
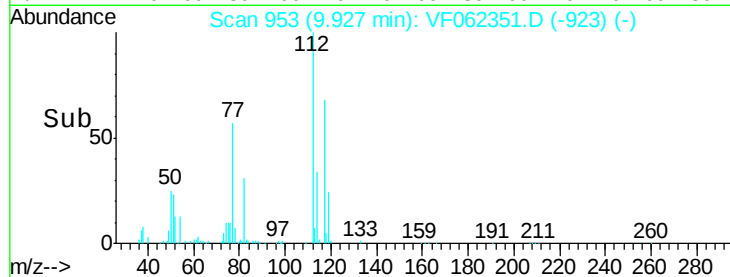
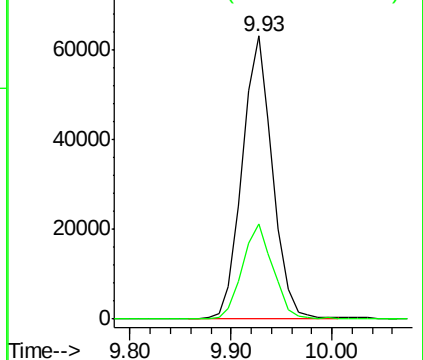
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.806 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

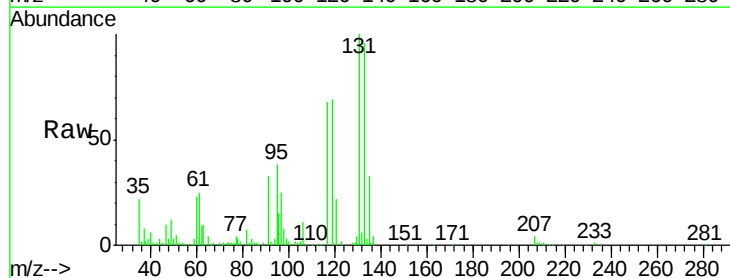
Tgt Ion:131 Resp: 68078

Ion Ratio Lower Upper

131 100

133 94.4 50.2 150.7

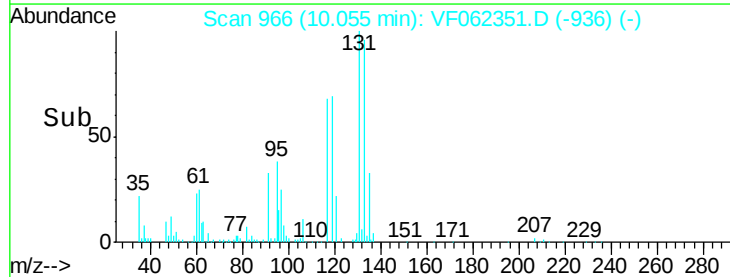
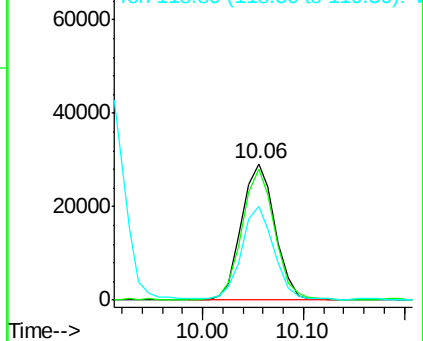
119 66.1 31.6 95.0

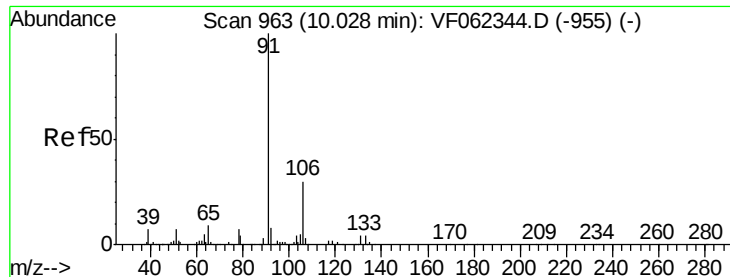


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.729 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 91 Resp: 235511

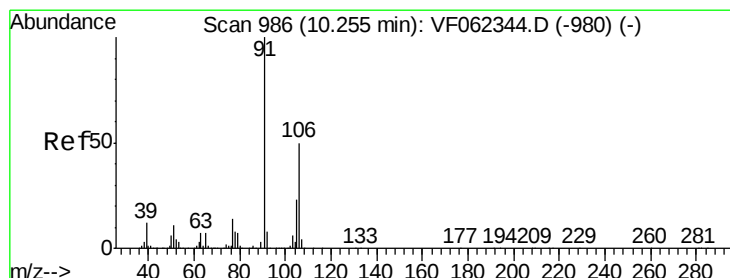
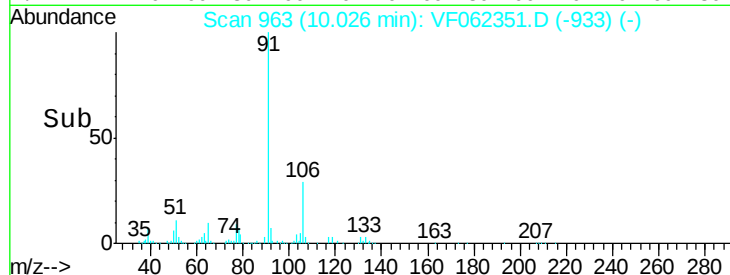
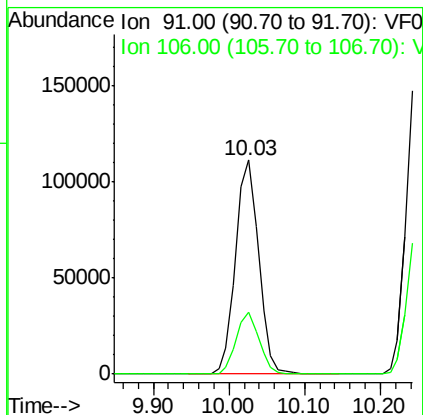
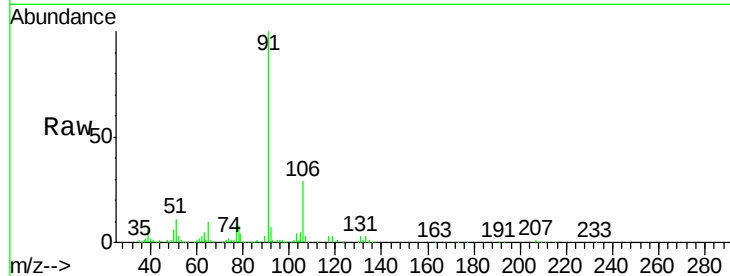
Ion Ratio Lower Upper

91 100

106 29.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 46.462 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062351.D

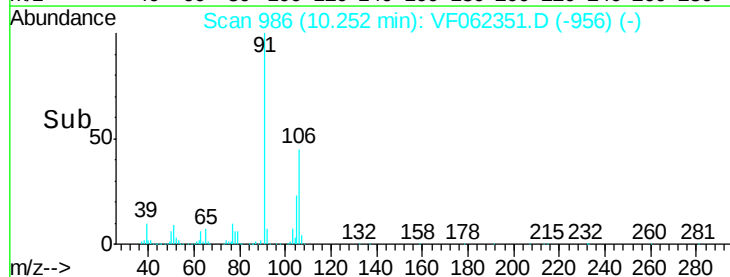
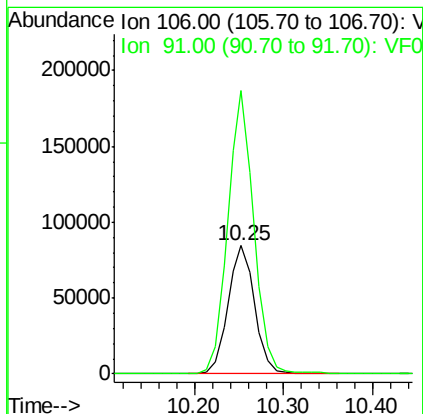
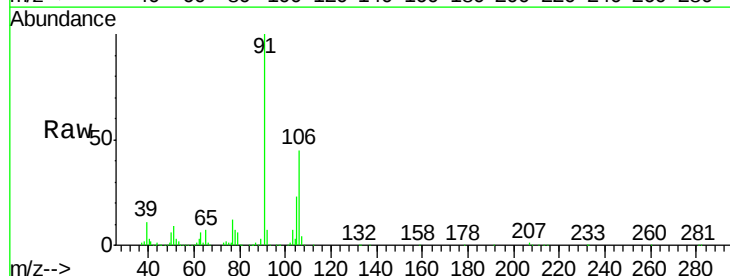
Acq: 7 May 2019 12:17

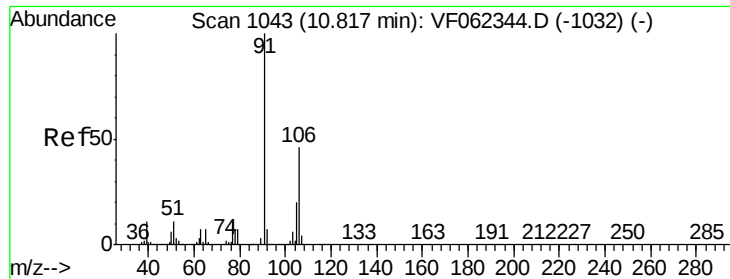
Tgt Ion: 106 Resp: 177626

Ion Ratio Lower Upper

106 100

91 214.9 167.4 251.2





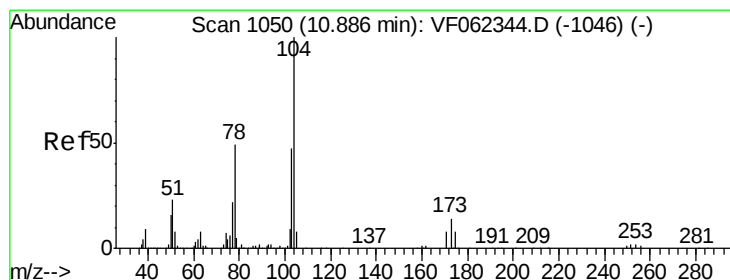
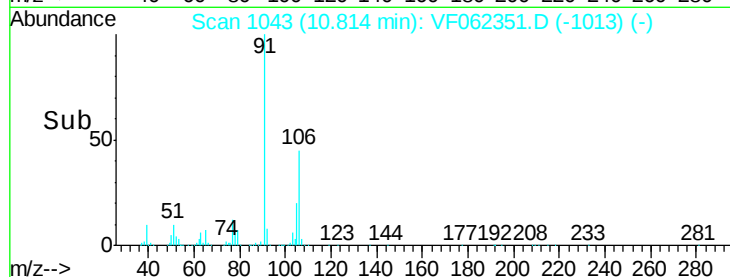
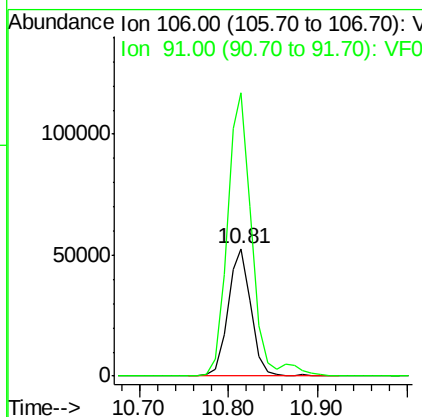
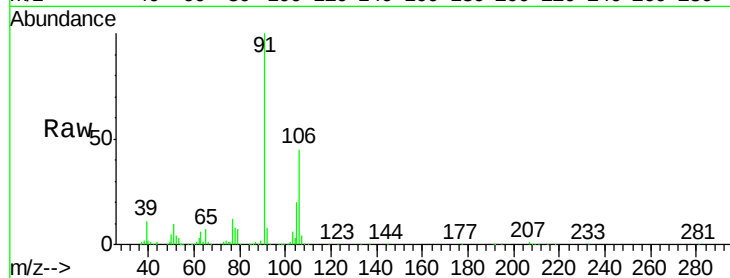
#69
o-Xylene
Concen: 23.095 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	95408		
91	91	235.5		111.3	333.8

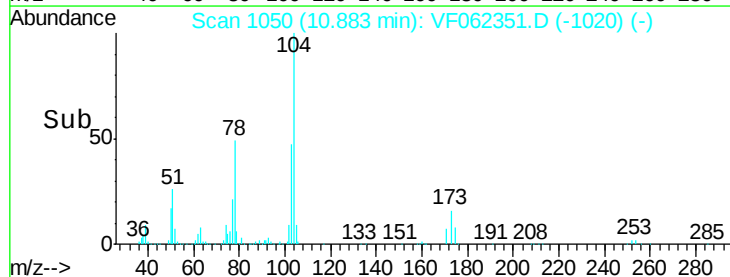
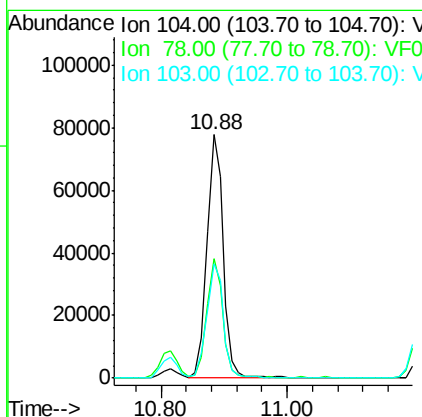
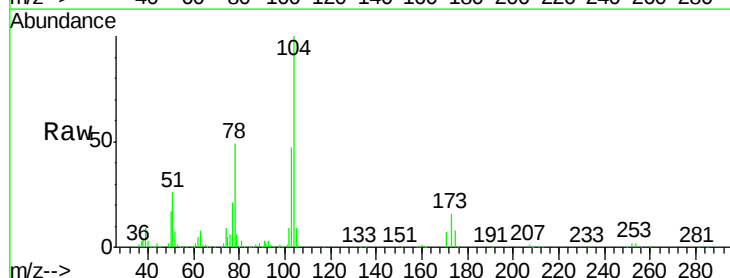
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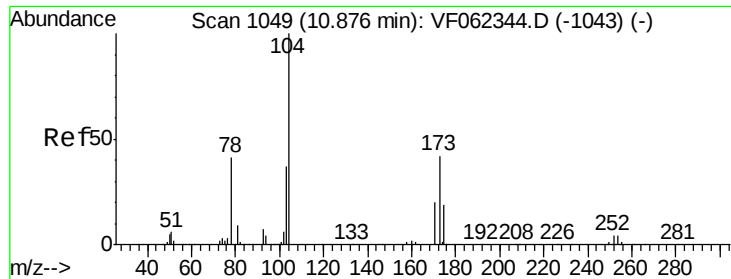
MMDadoda
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#70
Styrene
Concen: 22.869 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	141587		
78	78	47.2		39.5	59.3
103	103	48.1		38.4	57.6





#71

Bromoform

Concen: 20.659 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

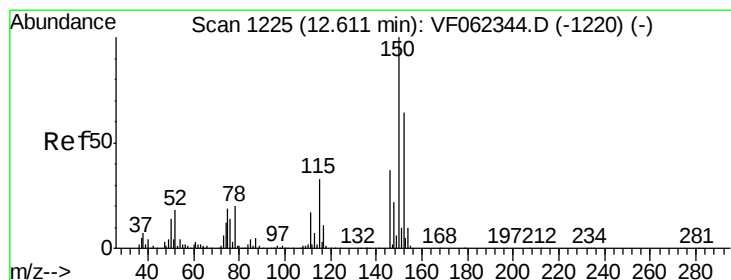
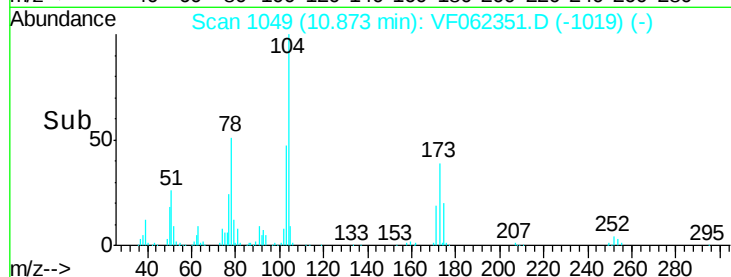
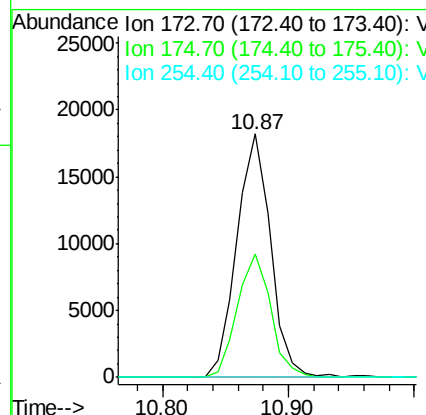
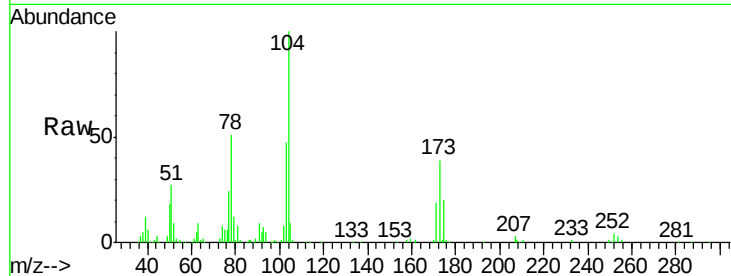
ClientSampleId :

VF0507SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

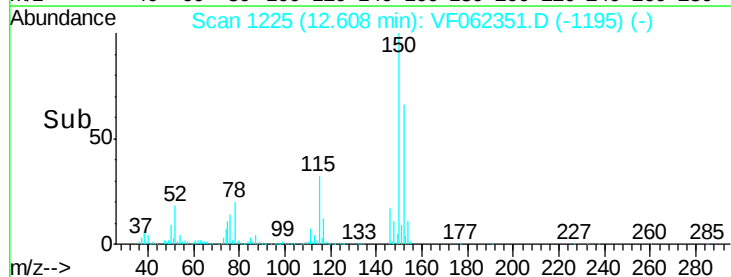
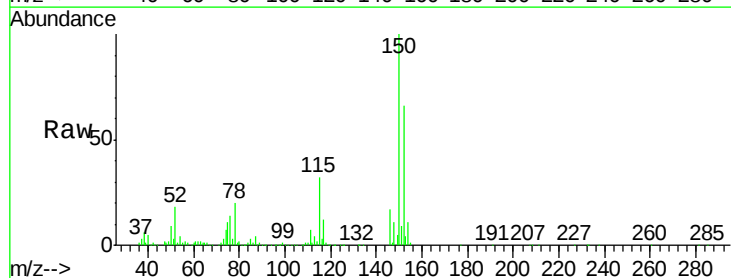
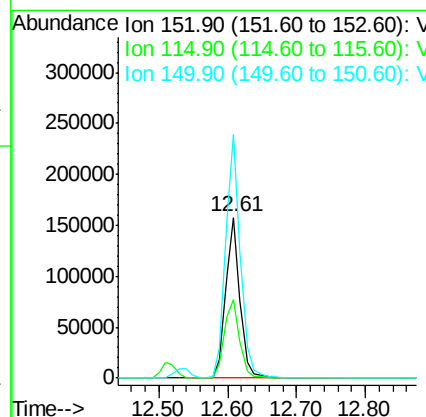
RT: 12.61 min Scan# 1225

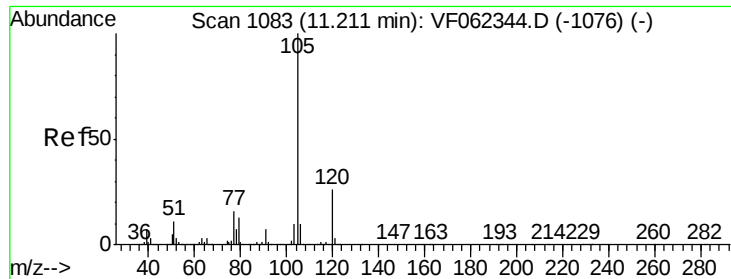
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	26.4	79.2
150	157.2	0.0	335.0





#73

Isopropylbenzene

Concen: 22.606 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion:105 Resp: 302099

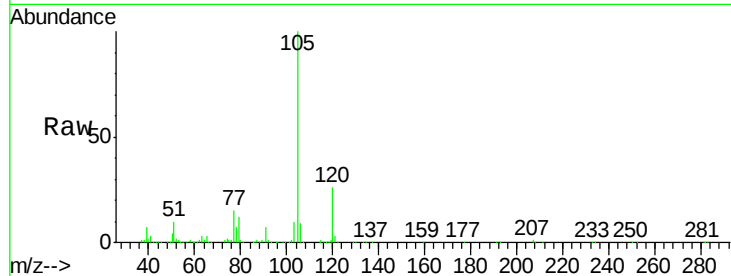
Ion Ratio Lower Upper

105 100

120 25.0 12.7 38.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

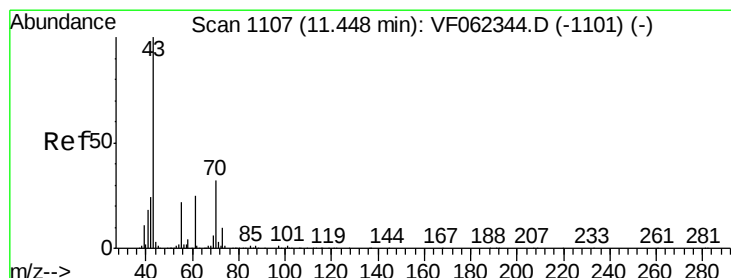
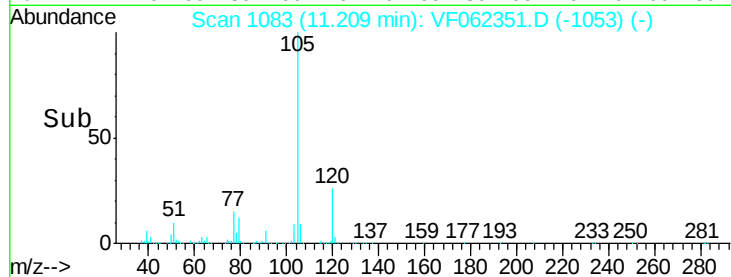
100000

50000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 20.574 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion: 43 Resp: 59027

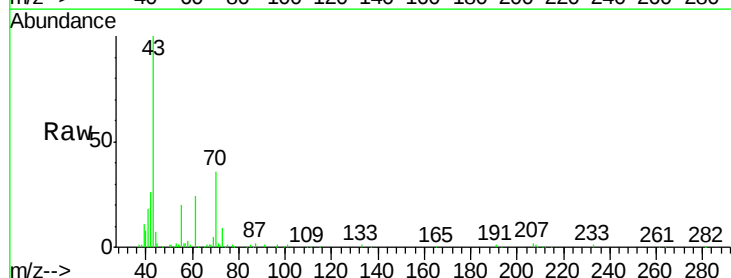
Ion Ratio Lower Upper

43 100

70 33.6 26.5 39.7

55 22.5 17.8 26.6

61 23.6 20.2 30.2



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

60000

50000

40000

30000

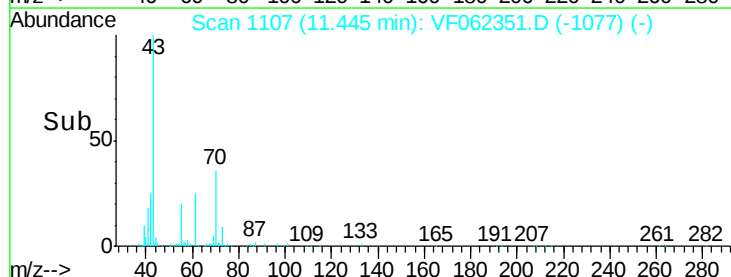
20000

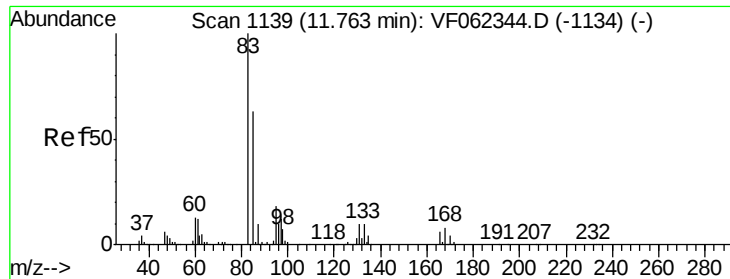
10000

0

11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.048 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

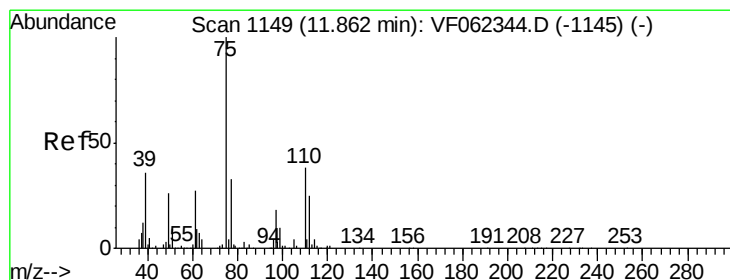
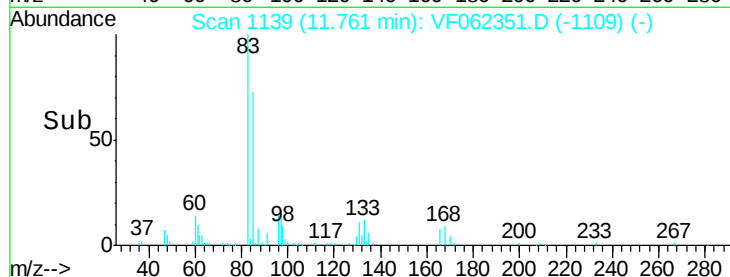
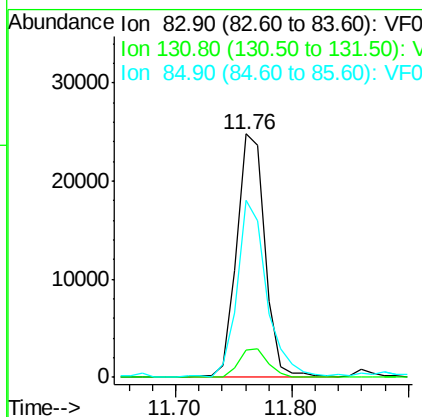
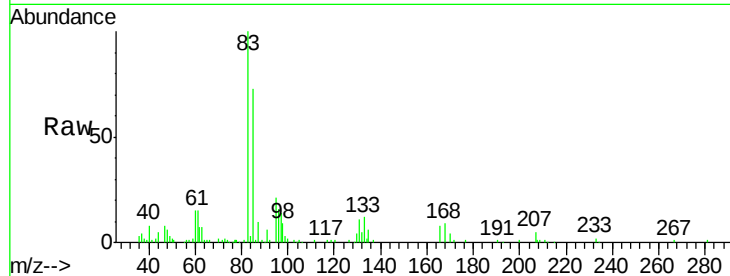
ClientSampleId :

VF0507SBS01

Tot Ion:	83	Resp:	41949
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.8	17.4
85	75.9	35.3	105.7

Manual Integrations
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5/8/2019 11:10:35 AM



#76

1,2,3-Trichloropropane

Concen: 20.429 ug/l

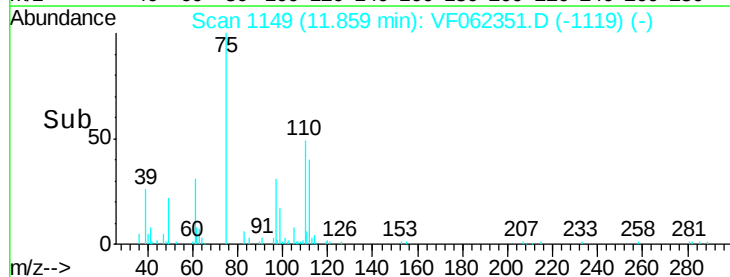
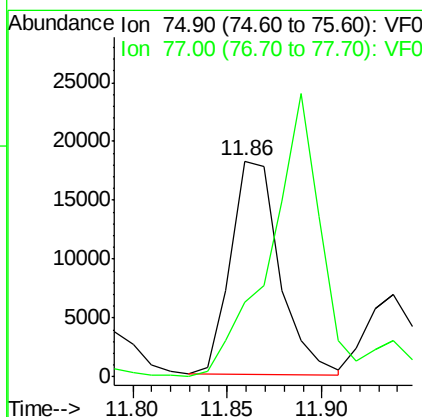
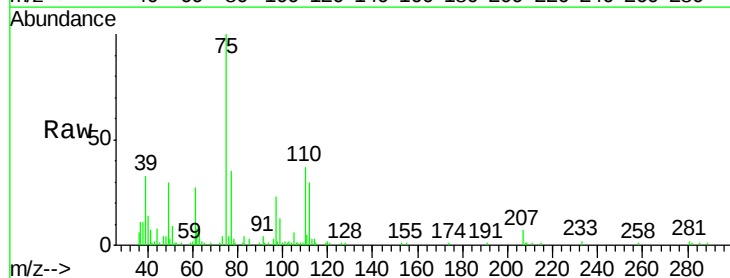
RT: 11.86 min Scan# 1149

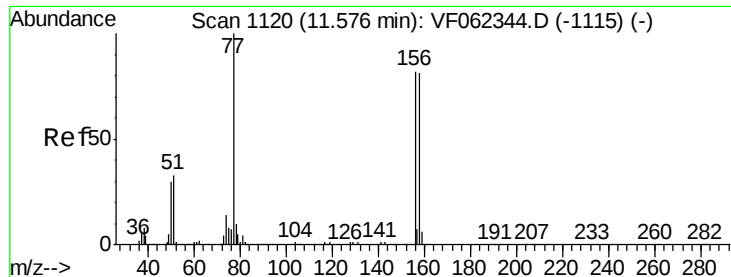
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	75	Resp:	32612
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





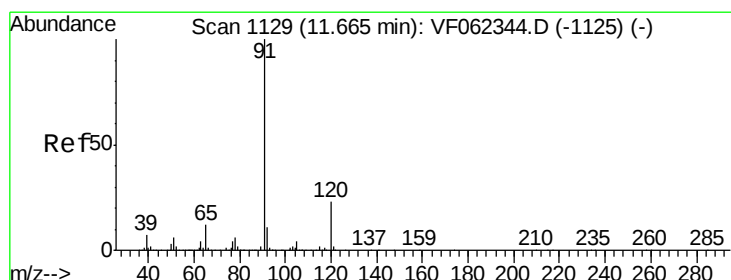
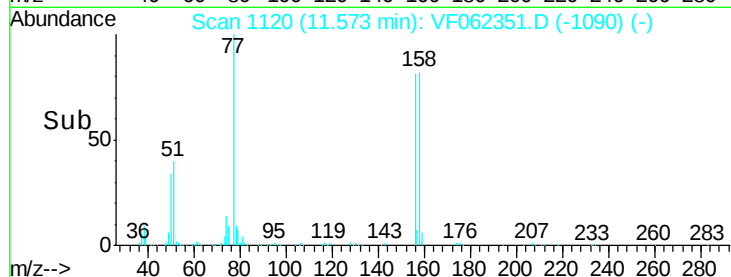
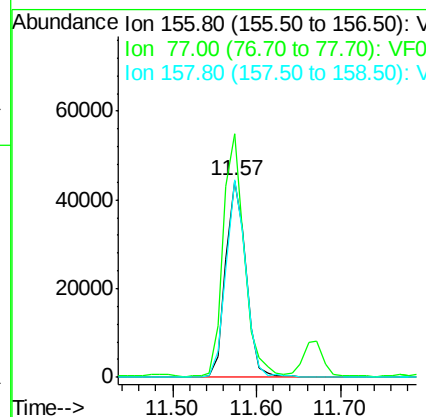
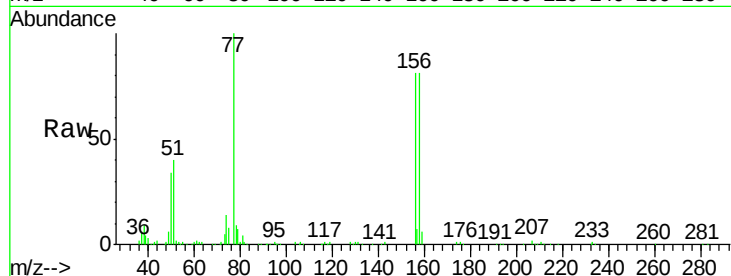
#77
Bromobenzene
Concen: 21.146 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.6	64.8	194.3
158	98.6	49.1	147.3

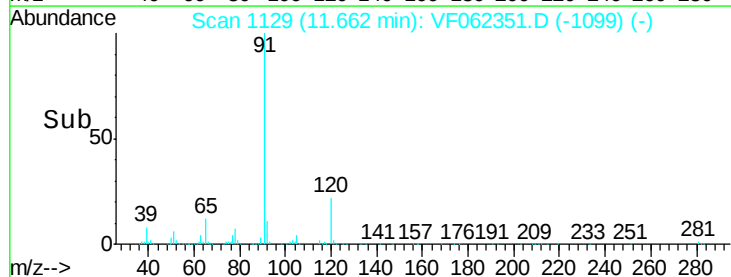
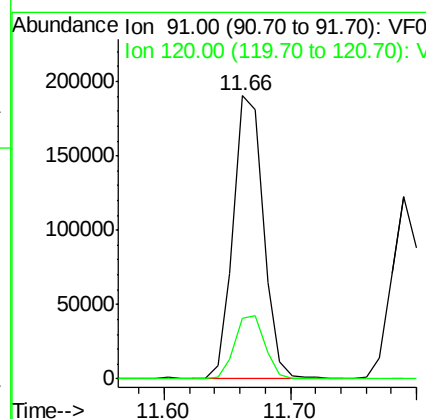
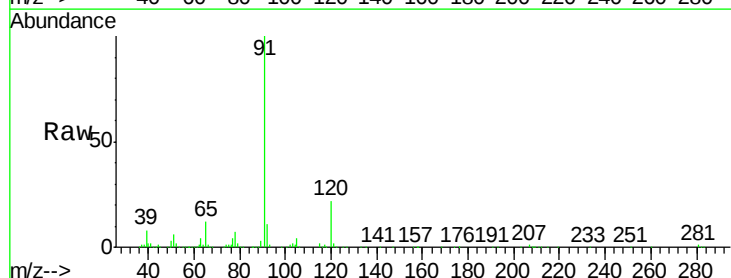
Manual Integrations
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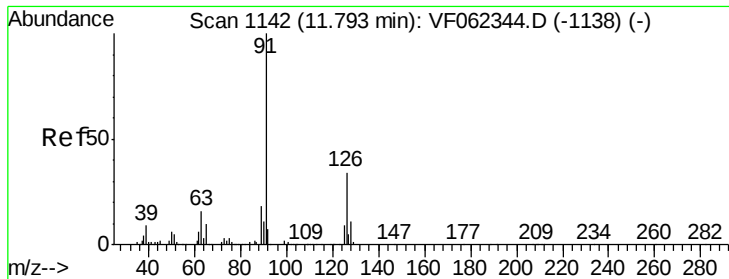
MMDadoda
5/8/2019 11:10:35 AM



#78
n-propylbenzene
Concen: 22.046 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 21.887 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 91 Resp: 193630

Ion Ratio Lower Upper

91 100

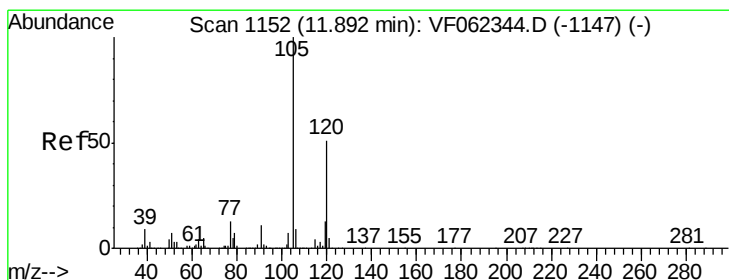
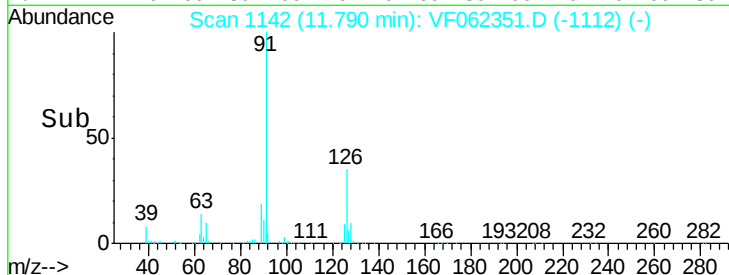
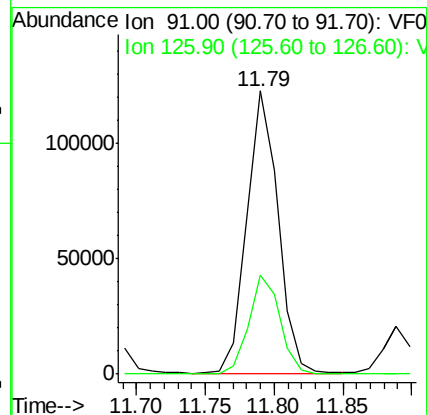
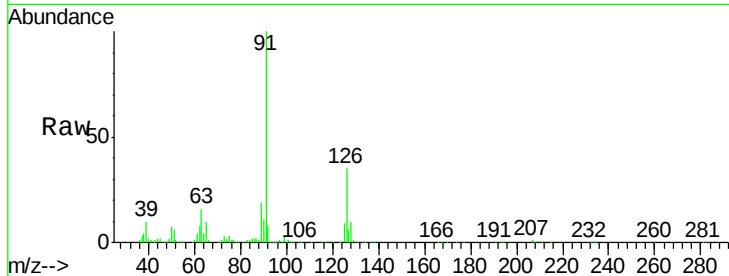
126 35.3 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.480 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062351.D

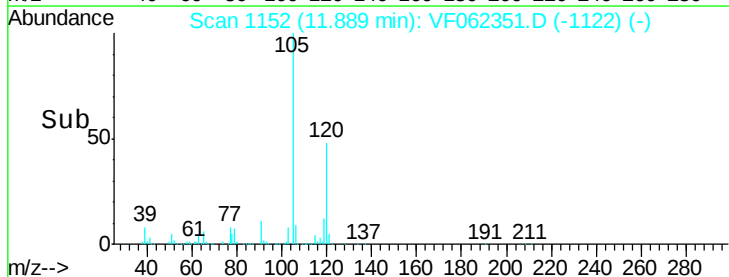
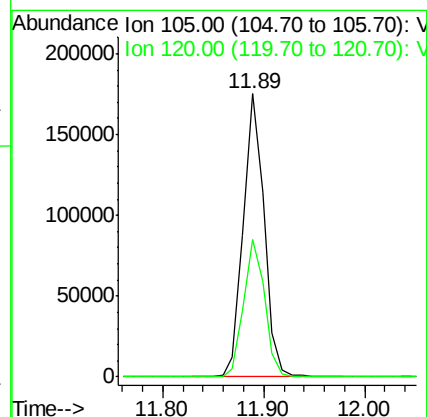
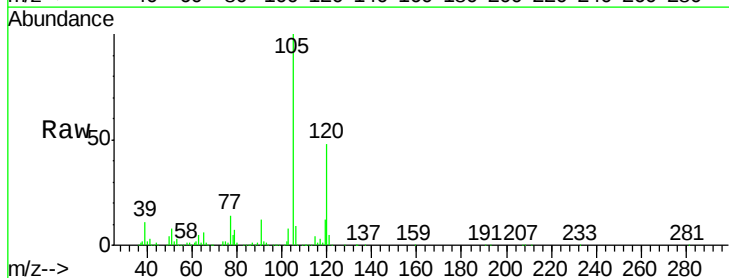
Acq: 7 May 2019 12:17

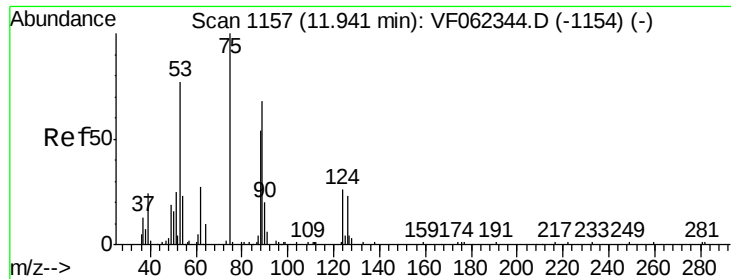
Tgt Ion:105 Resp: 251595

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.230 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

VF0507SBS01

Tot Ion: 75 Resp: 11539

Ion Ratio Lower Upper

75 100

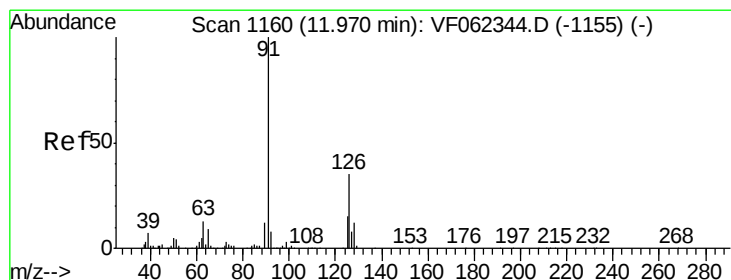
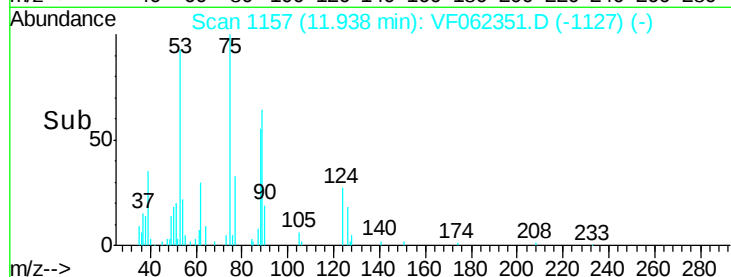
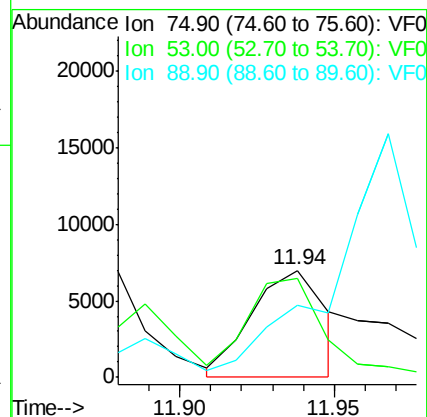
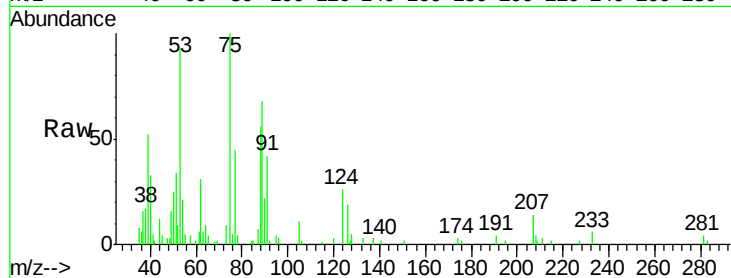
53 99.4 71.9 107.9

89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 22.227 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062351.D

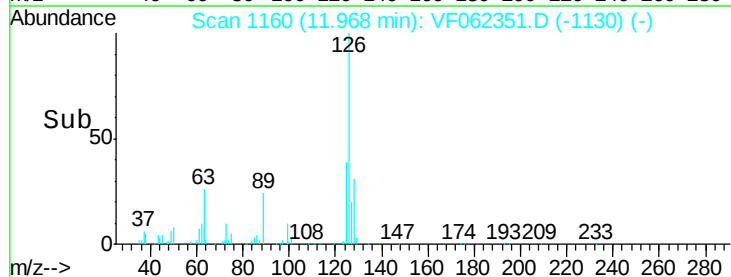
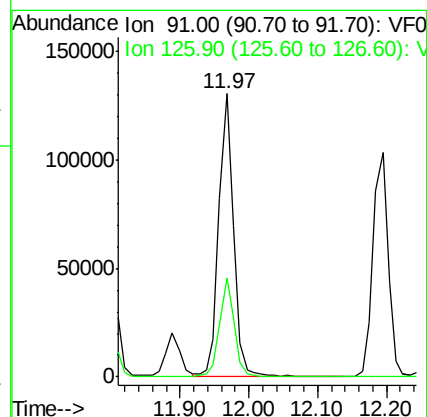
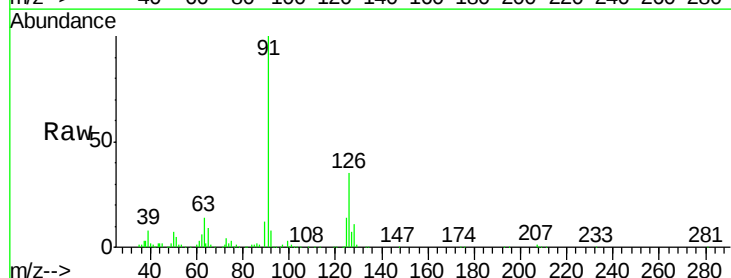
Acq: 7 May 2019 12:17

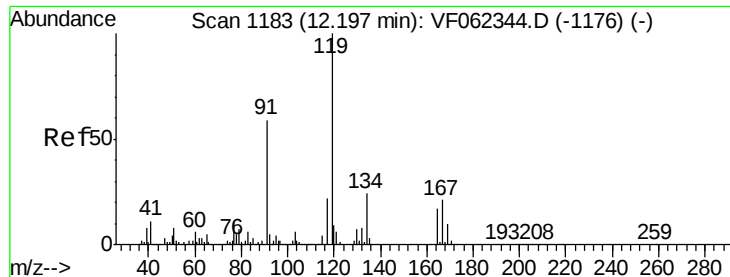
Tgt Ion: 91 Resp: 194215

Ion Ratio Lower Upper

91 100

126 34.9 17.7 53.1





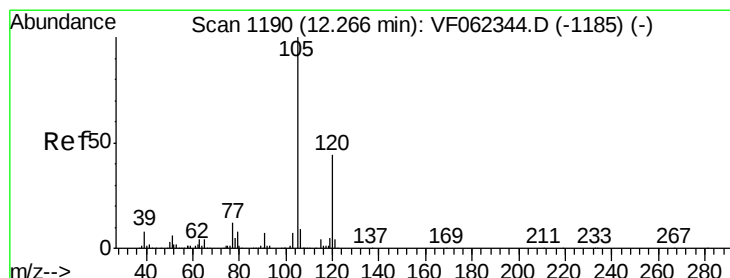
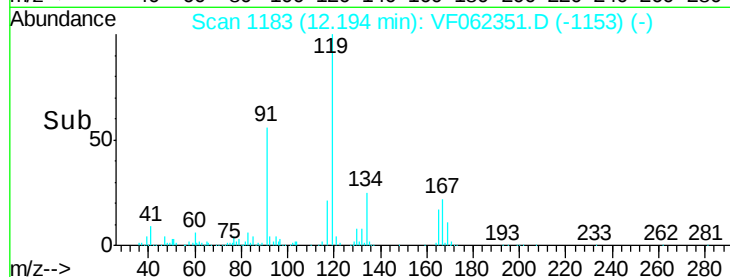
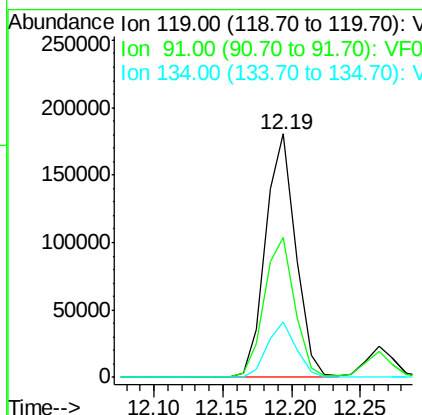
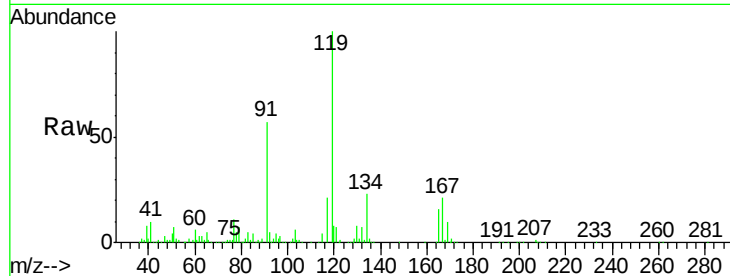
#83
tert-Butylbenzene
Concen: 22.307 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	274594		
91	58.1	30.4	91.3	
134	22.0	11.9	35.7	

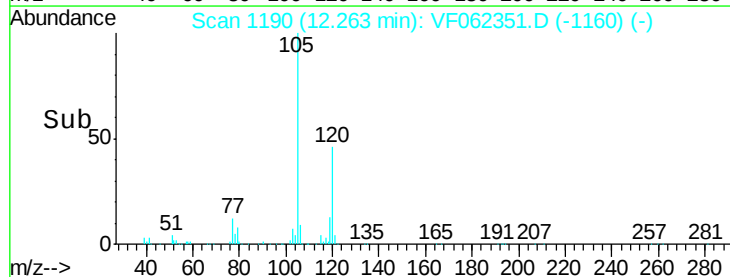
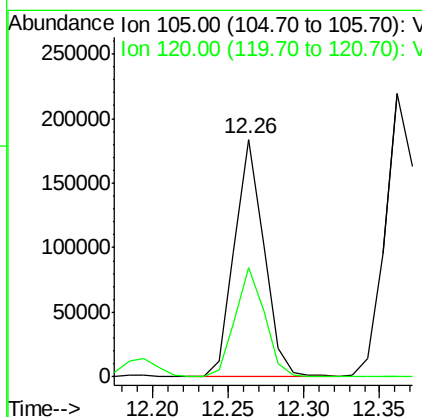
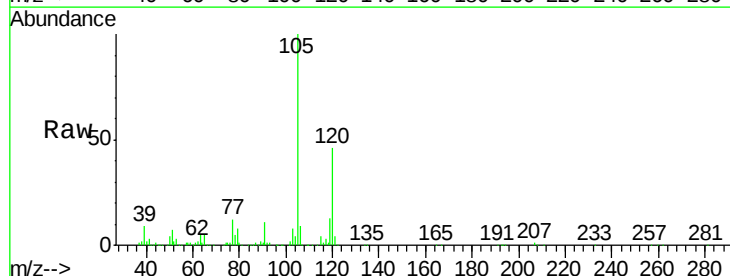
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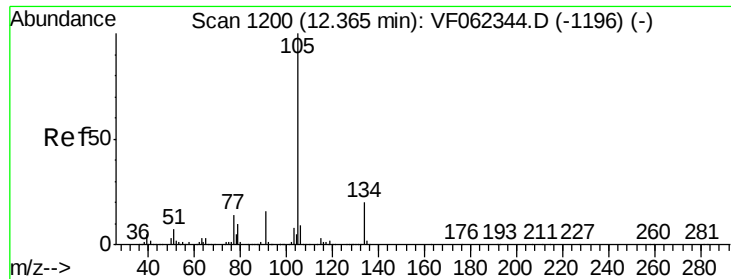
MMDadoda
5/8/2019 11:10:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.756 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	249377		
120	46.1	22.6	67.7	





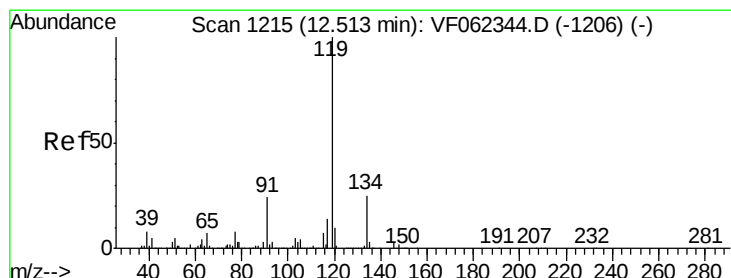
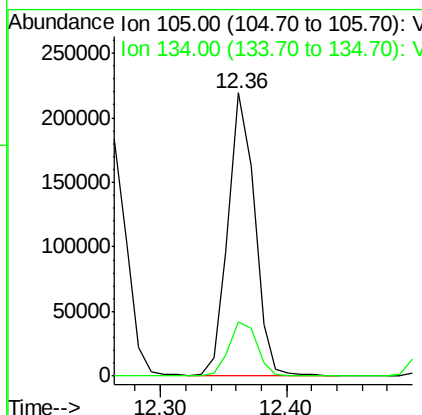
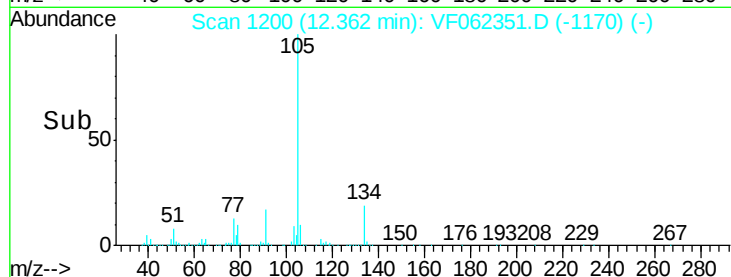
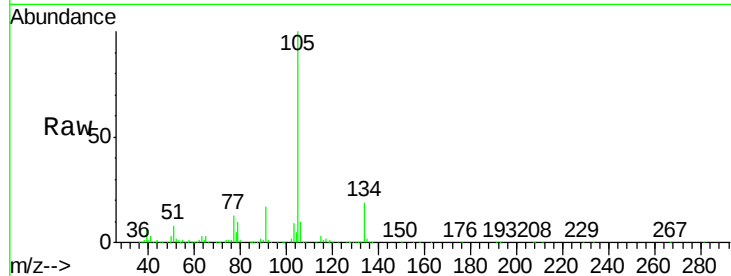
#85
 sec-Butylbenzene
 Concen: 21.378 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	320316		
134	20.4	9.8	29.5	

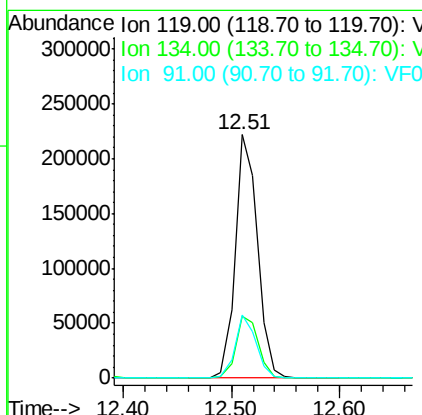
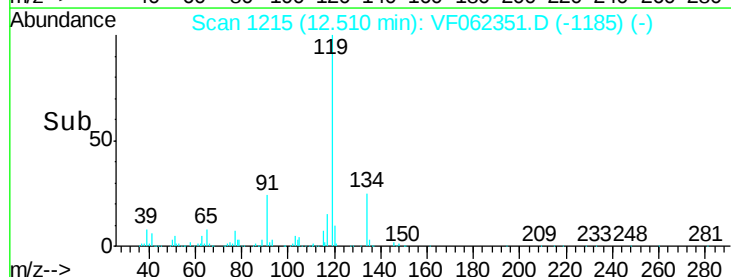
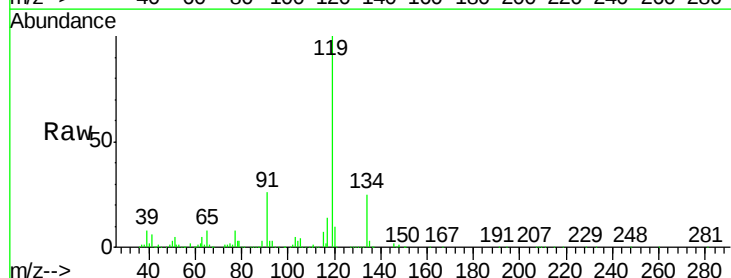
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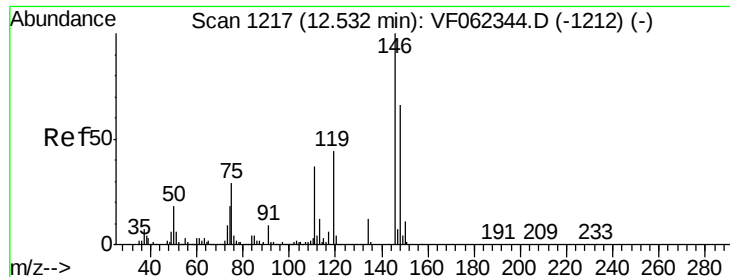
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 22.787 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	317214		
134	25.8	12.9	38.7	
91	24.4	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 21.879 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

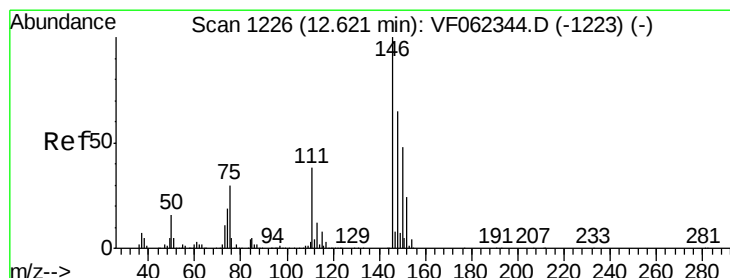
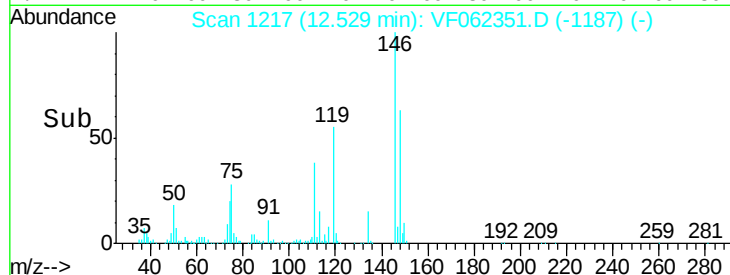
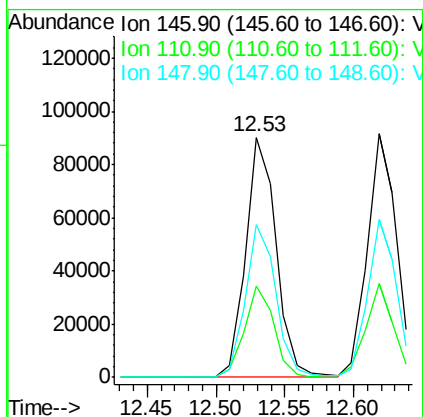
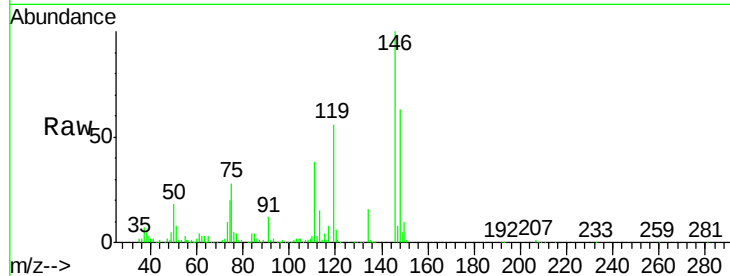
ClientSampleId :

VF0507SBS01

Tot Ion:	146	Resp:	140144
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.3	54.8
148	63.5	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 22.209 ug/l

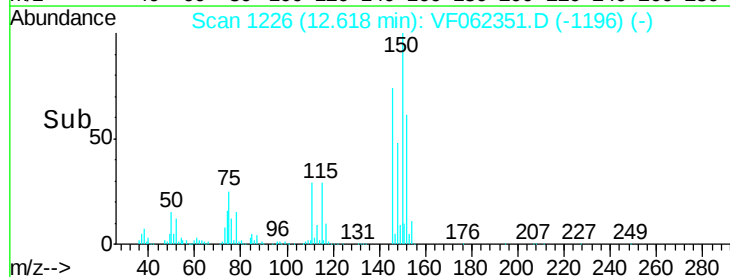
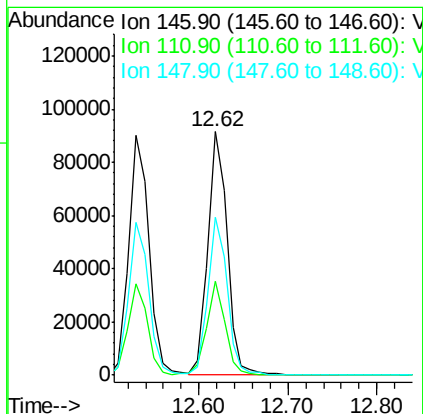
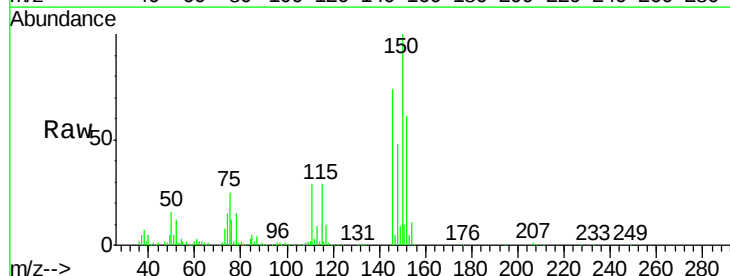
RT: 12.62 min Scan# 1226

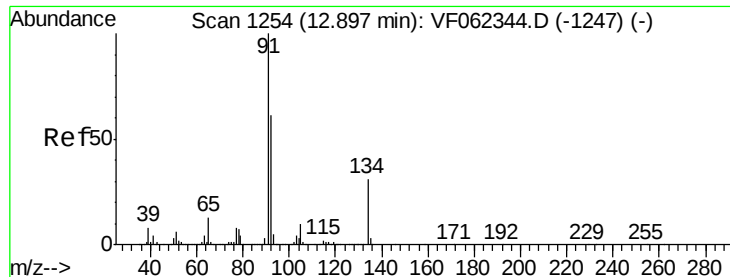
Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	146	Resp:	137300
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.8	56.3
148	65.0	32.2	96.6





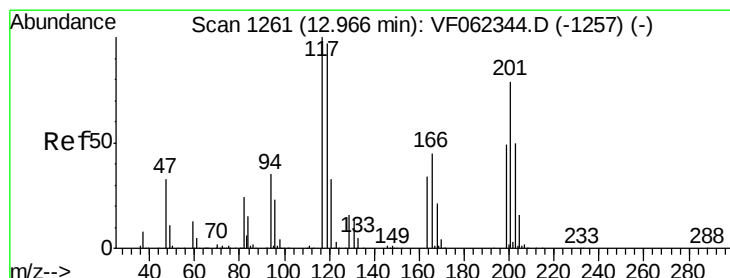
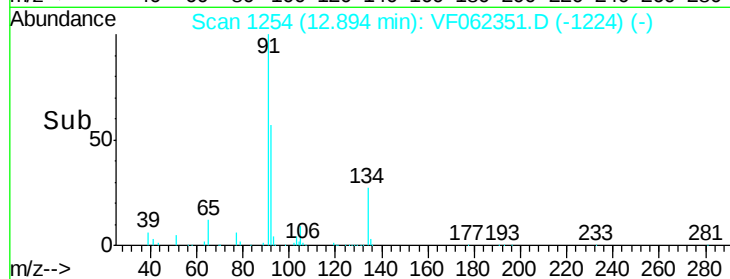
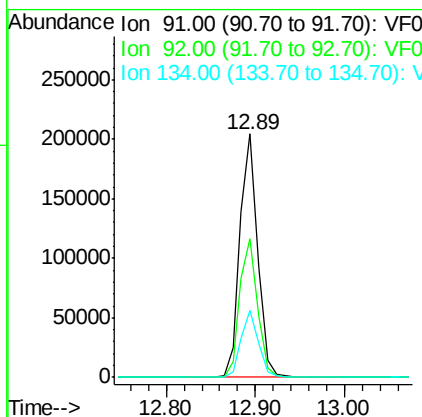
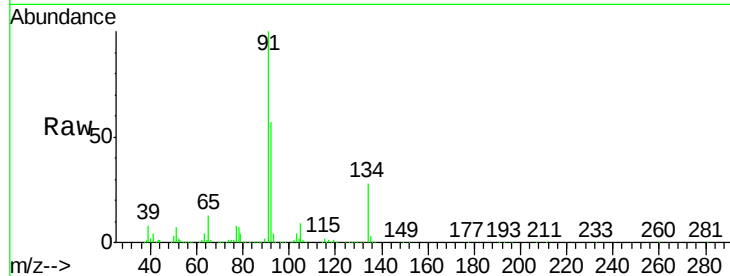
#89
n-Butylbenzene
Concen: 23.084 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :
VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	285902		
92	56.8		30.0	90.0
134	26.6		14.1	42.4

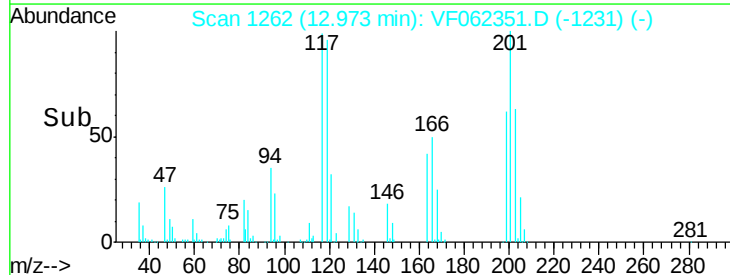
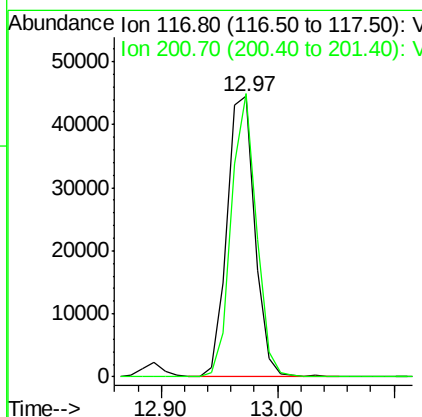
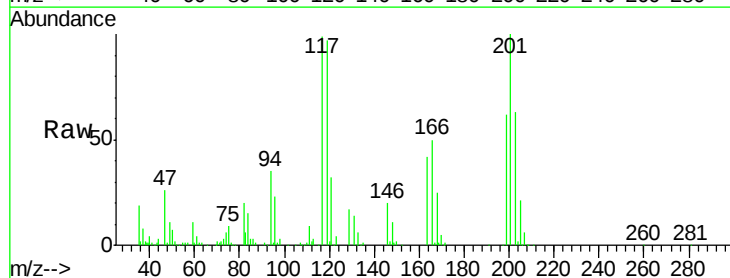
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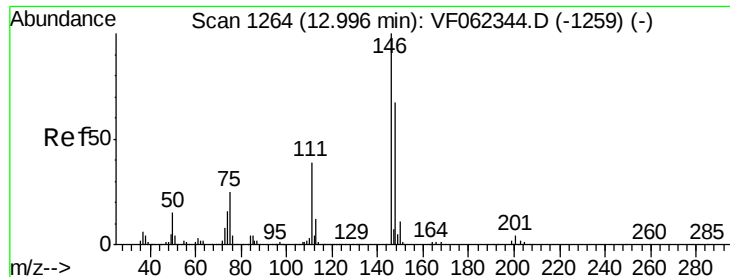
MMDadoda
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#90
Hexachloroethane
Concen: 21.236 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062351.D
Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73811		
201	90.7		46.2	138.5





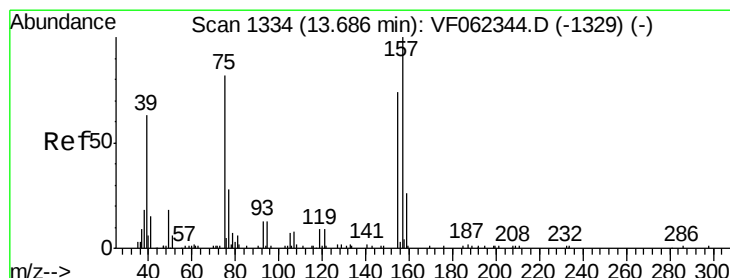
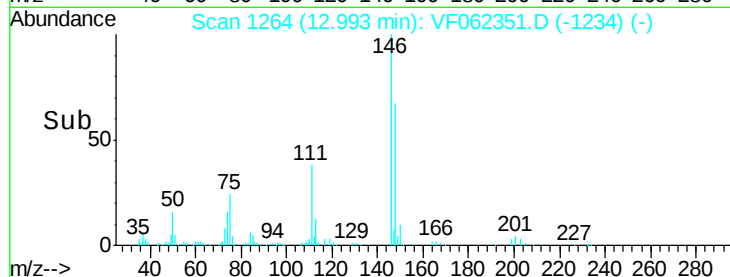
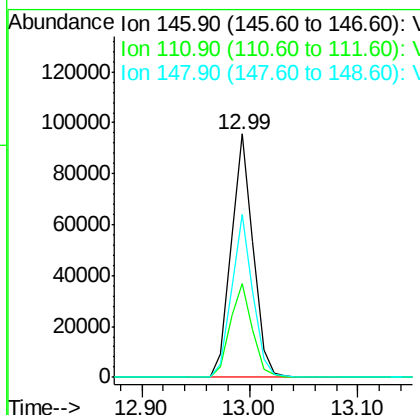
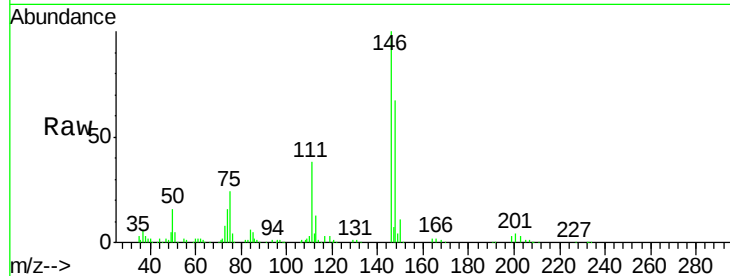
#91
 1,2-Dichlorobenzene
 Concen: 21.877 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	64.9	33.1	99.5

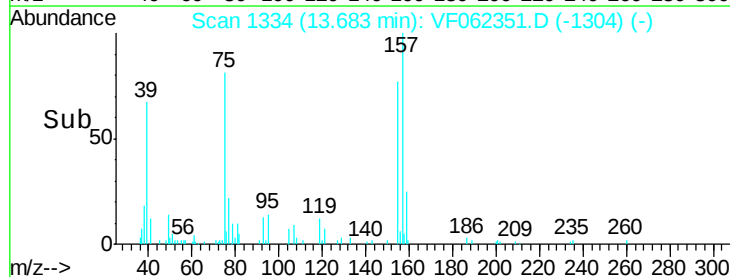
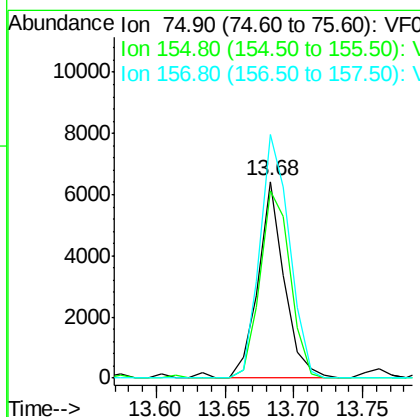
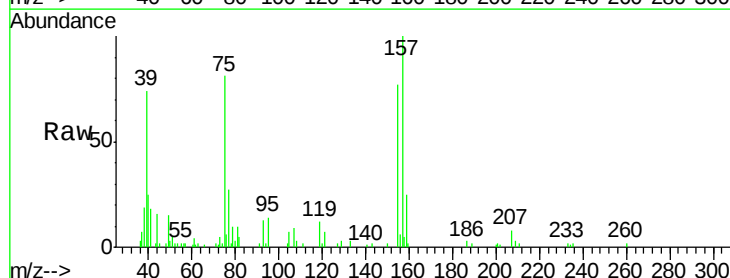
Manual Integrations
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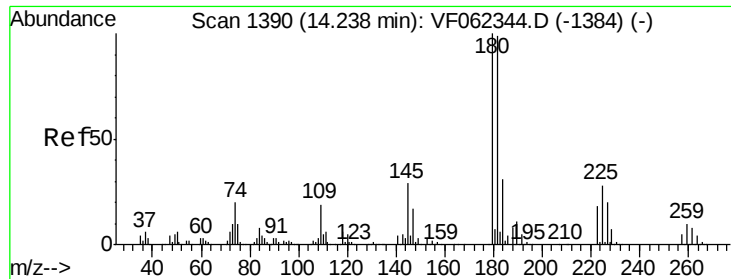
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.455 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.8	51.8	155.4
157	137.9	67.3	201.8





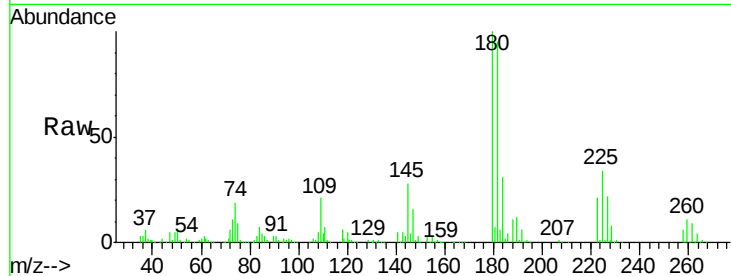
#93
 1,2,4-Trichlorobenzene
 Concen: 22.061 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122678		
182	94.2	49.0	147.0	
145	33.4	16.7	50.1	

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:10:35 AM

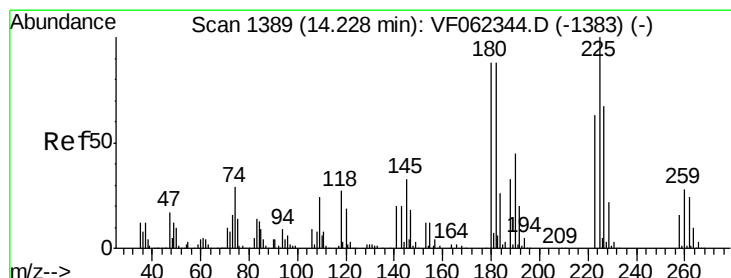
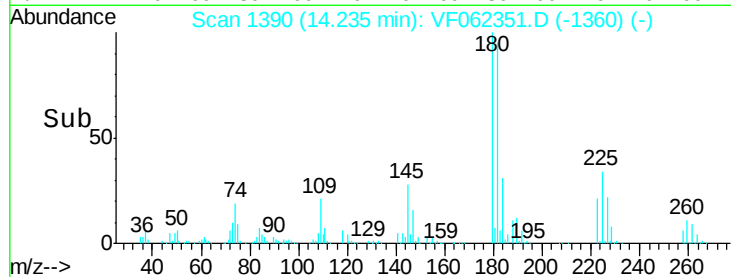
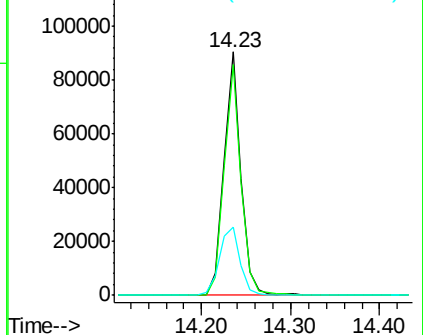


Abundance

Ion 179.80 (179.50 to 180.50): V

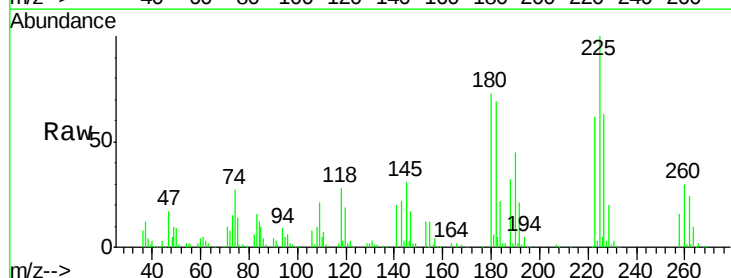
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.355 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062351.D
 Acq: 7 May 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92656		
223	62.1	31.9	95.5	
227	62.3	33.1	99.5	

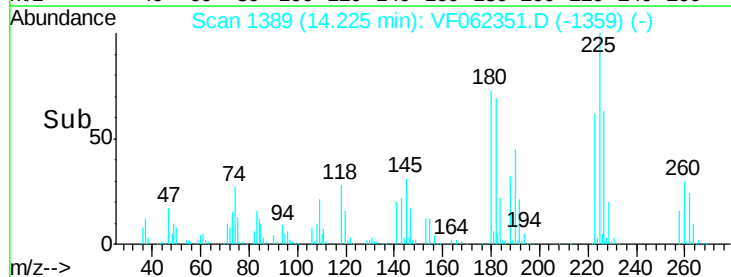
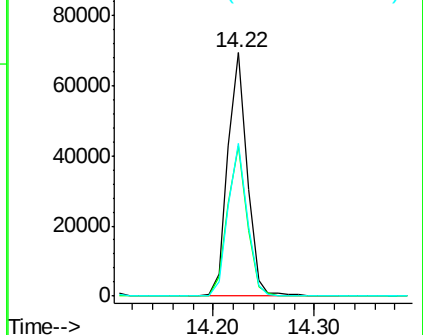


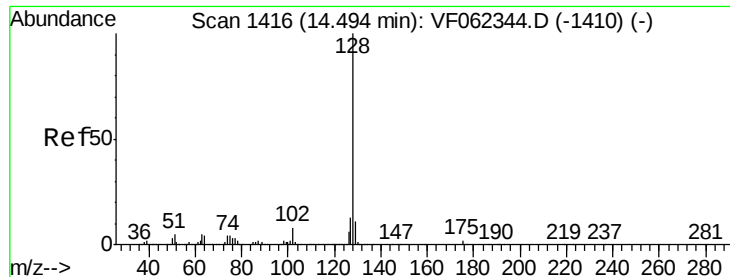
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.705 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Instrument :

MSVOA_F

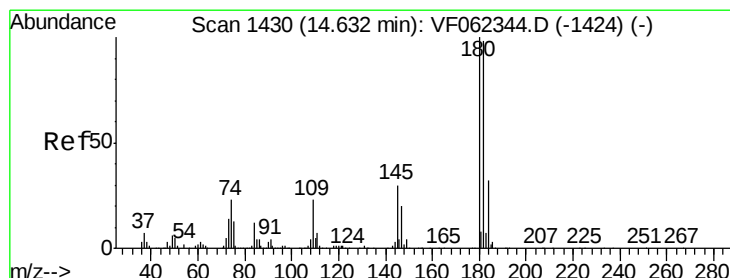
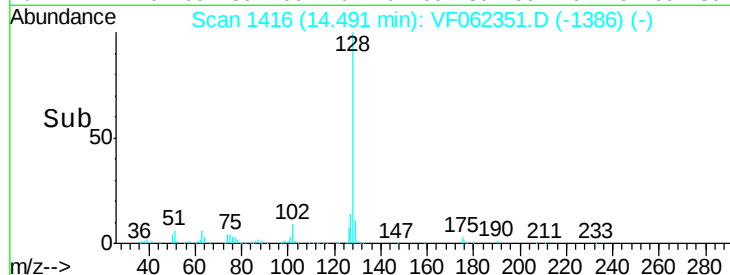
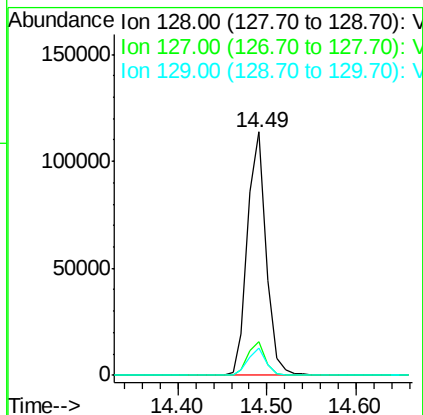
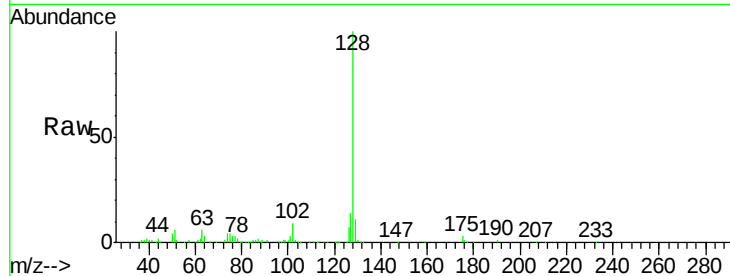
ClientSampleId :

VF0507SBS01

Tot Ion:	128	Resp:	164742
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/8/2019 11:10:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.252 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062351.D

Acq: 7 May 2019 12:17

Tgt Ion:	180	Resp:	114493
Ion Ratio	Lower	Upper	
180	100		
182	96.7	49.4	148.0
145	29.8	14.8	44.3

