

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062756.D
 Acq On : 28 May 2019 13:05
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:01 AM

Quant Time: May 29 02:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	876785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1423887	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1065738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	521040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	260090	41.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	83.96%	
35) Dibromofluoromethane	4.32	113	473390	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
50) Toluene-d8	7.72	98	1132547	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
62) 4-Bromofluorobenzene	11.50	95	429832	43.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	201950	16.925	ug/l	98
3) Chloromethane	1.15	50	172118	15.666	ug/l	96
4) Vinyl Chloride	1.20	62	152130	15.043	ug/l	96
5) Bromomethane	1.41	94	90367	16.334	ug/l	99
6) Chloroethane	1.45	64	55092	14.833	ug/l	97
7) Trichlorofluoromethane	1.57	101	234149	17.244	ug/l	85
8) Diethyl Ether	1.72	74	50364	18.722	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	148093	17.128	ug/l	97
10) Methyl Iodide	1.99	142	321203	18.911	ug/l	99
11) Tert butyl alcohol	2.72	59	38828	94.922	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	137755	17.490	ug/l	93
13) Acrolein	2.11	56	28134	65.889	ug/l #	82
14) Allyl chloride	2.21	41	120119m	16.850	ug/l	
15) Acrylonitrile	3.10	53	108393	93.939	ug/l #	94
16) Acetone	2.36	43	120691	75.085	ug/l	97
17) Carbon Disulfide	1.94	76	375342	16.078	ug/l	99
18) Methyl Acetate	2.47	43	46686	18.483	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	268718	19.085	ug/l	100
20) Methylene Chloride	2.35	84	139559m	17.322	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	140486	18.248	ug/l	98
22) Diisopropyl ether	2.95	45	327847	18.647	ug/l	98
23) Vinyl Acetate	3.36	43	1135371	95.729	ug/l	97
24) 1,1-Dichloroethane	3.03	63	241806	18.748	ug/l	99
25) 2-Butanone	4.54	43	326584	95.098	ug/l	90
26) 2,2-Dichloropropane	3.80	77	151735	20.561	ug/l	86
27) cis-1,2-Dichloroethene	3.66	96	257757	20.355	ug/l	95
28) Bromochloromethane	3.93	49	111353m	15.393	ug/l	
29) Tetrahydrofuran	4.29	42	131272	94.461	ug/l	96
30) Chloroform	4.07	83	368480	20.577	ug/l	99
31) Cyclohexane	3.90	56	324587m	18.743	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	240606	20.231	ug/l	98
36) 1,1-Dichloropropene	4.49	75	280630	19.234	ug/l	98
37) Ethyl Acetate	4.32	43	113264	19.013	ug/l #	76
38) Carbon Tetrachloride	4.21	117	207413	18.902	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	364113	20.740	ug/l	98
40) Benzene	4.84	78	823660	20.722	ug/l	99
41) Methacrylonitrile	4.95	41	59057	18.909	ug/l	97
42) 1,2-Dichloroethane	5.15	62	158349	19.977	ug/l	99
43) Isopropyl Acetate	7.13	43	150411	19.489	ug/l #	87
44) Trichloroethene	5.70	130	244507	21.887	ug/l	92
45) 1,2-Dichloropropane	6.42	63	206826	20.613	ug/l	98
46) Dibromomethane	6.28	93	123050	21.220	ug/l	95
47) Bromodichloromethane	6.57	83	251849	20.920	ug/l	95
48) Methyl methacrylate	6.90	41	76005	18.841	ug/l	96
49) 1,4-Dioxane	6.89	88	21806	422.045	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	542450	102.825	ug/l	99
52) Toluene	7.79	92	449561	21.566	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	208148	21.134	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	299744	21.741	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	141846	22.982	ug/l	96
56) Ethyl methacrylate	8.77	69	147907	20.114	ug/l	97
57) 1,3-Dichloropropane	9.01	76	229876	21.866	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	248903	103.990	ug/l	98
59) 2-Hexanone	9.64	43	394084	104.437	ug/l	99
60) Dibromochloromethane	8.88	129	180892	22.487	ug/l	98
61) 1,2-Dibromoethane	9.14	107	144064	21.975	ug/l	96
64) Tetrachloroethene	8.33	164	179927	21.311	ug/l	97
65) Chlorobenzene	9.94	112	457581	21.860	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	187905	22.361	ug/l	95
67) Ethyl Benzene	10.04	91	823361	22.642	ug/l	96
68) m/p-Xylenes	10.27	106	604777	44.251	ug/l	86
69) o-Xylene	10.83	106	315516	22.413	ug/l	100
70) Styrene	10.90	104	448345	20.954	ug/l	98
71) Bromoform	10.89	173	95400	22.668	ug/l #	98
73) Isopropylbenzene	11.22	105	820831	21.980	ug/l	94
74) N-amyl acetate	11.46	43	234036	21.562	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	167774	21.984	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	112070	22.349	ug/l	85
77) Bromobenzene	11.59	156	196890	21.211	ug/l	97
78) n-propylbenzene	11.68	91	988575	22.368	ug/l	94
79) 2-Chlorotoluene	11.81	91	546356	21.936	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	657639	21.962	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	43325m	19.437	ug/l	
82) 4-Chlorotoluene	11.98	91	538378	21.920	ug/l	100
83) tert-Butylbenzene	12.20	119	680154	22.388	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	637809	22.007	ug/l	99
85) sec-Butylbenzene	12.38	105	870583	21.353	ug/l	98
86) p-Isopropyltoluene	12.53	119	759877	22.116	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	362876	21.608	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	340816	21.626	ug/l	98
89) n-Butylbenzene	12.90	91	769946	22.728	ug/l	91
90) Hexachloroethane	12.98	117	177886	21.582	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	326357	21.801	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	20480	22.495	ug/l	92

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VF0528SBSD01

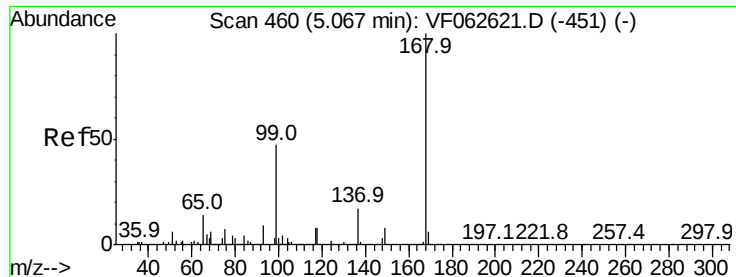
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	236384	22.060	ug/l	96
94) Hexachlorobutadiene	14.23	225	161354	21.577	ug/l	97
95) Naphthalene	14.50	128	393489	20.213	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	215078	21.190	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:168 Resp: 876785

Ion Ratio Lower Upper

168 100

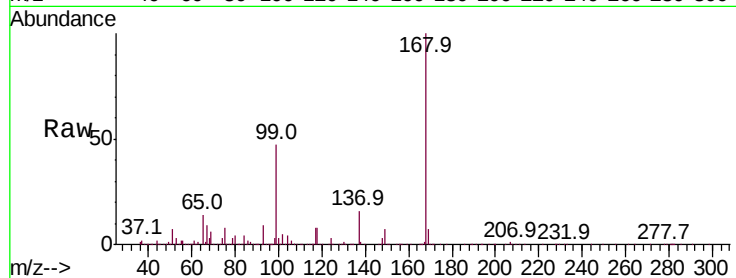
99 46.9 37.8 56.8

Manual Integrations

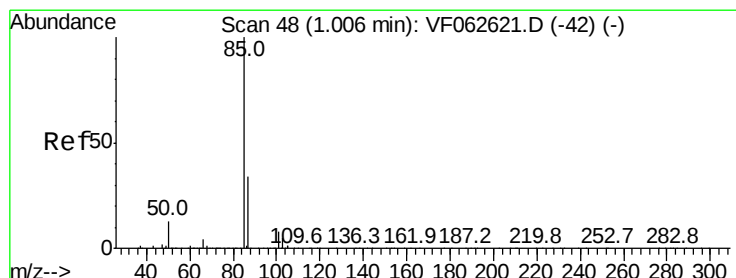
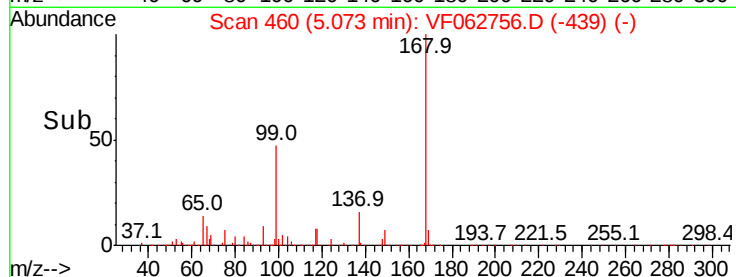
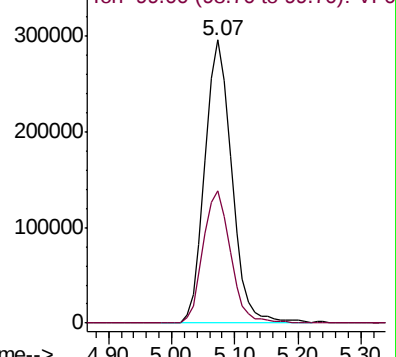
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 16.925 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062756.D

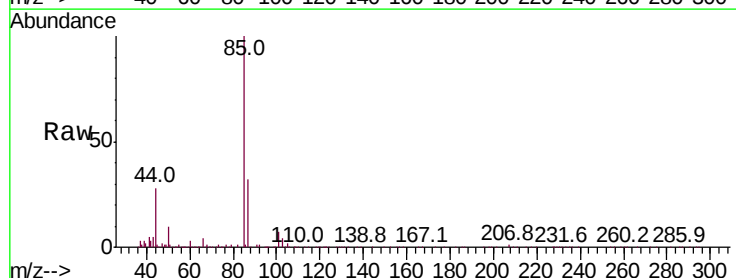
Acq: 28 May 2019 13:05

Tgt Ion: 85 Resp: 201950

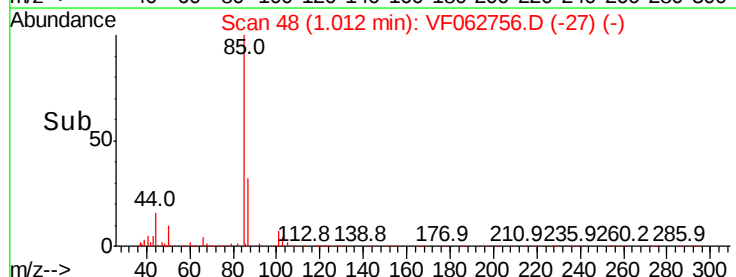
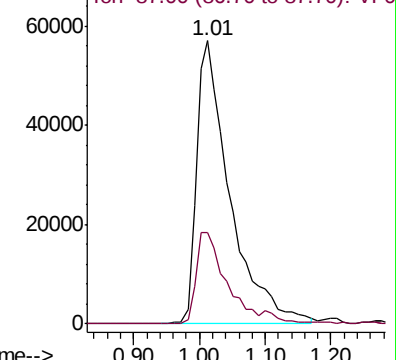
Ion Ratio Lower Upper

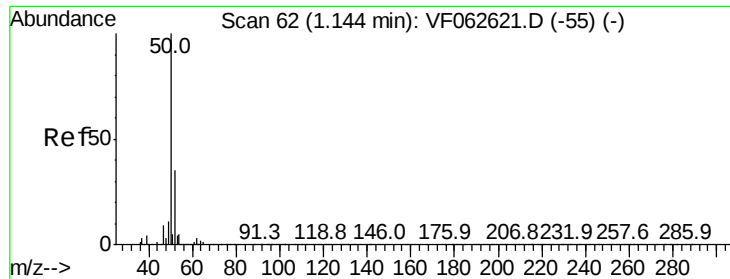
85 100

87 32.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 15.666 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

Tot Ion: 50 Resp: 172118

Ion Ratio Lower Upper

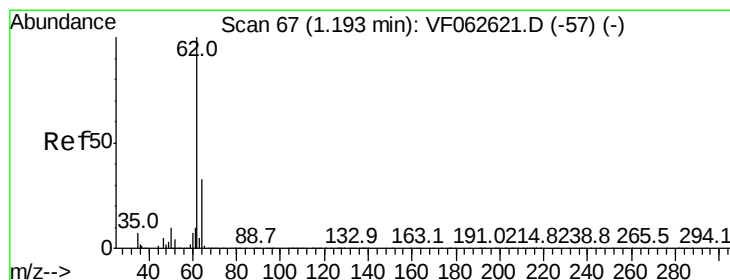
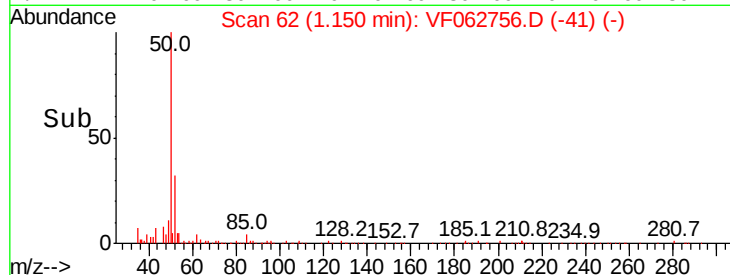
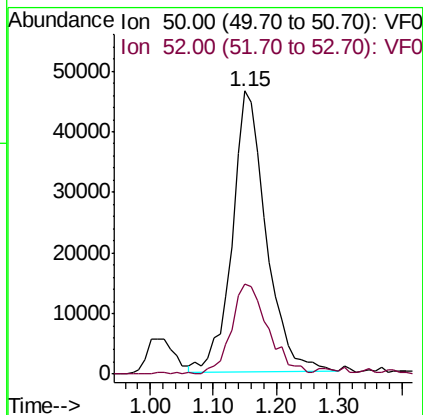
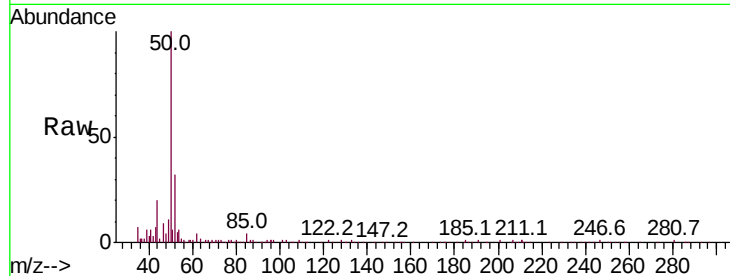
50 100

52 31.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 15.043 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062756.D

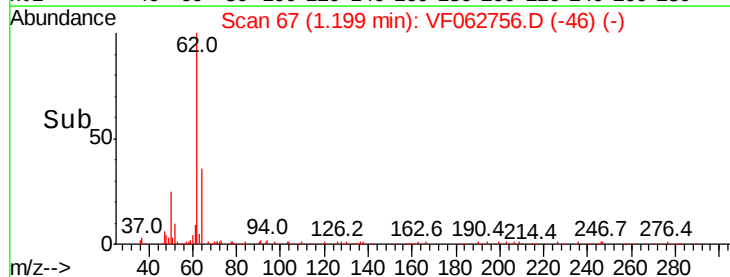
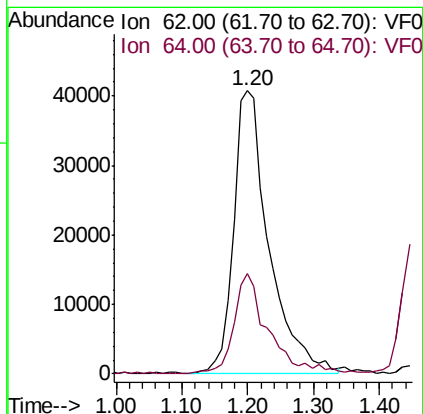
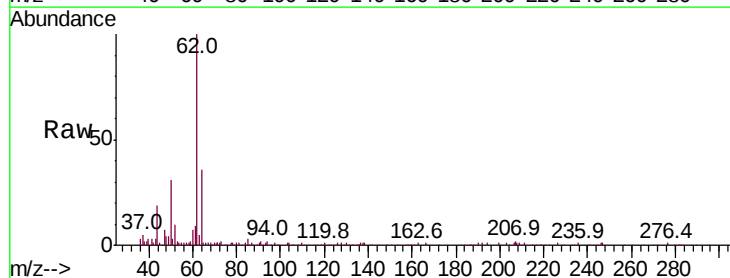
Acq: 28 May 2019 13:05

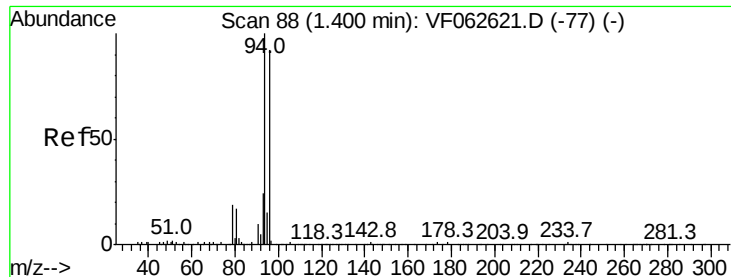
Tgt Ion: 62 Resp: 152130

Ion Ratio Lower Upper

62 100

64 35.6 26.7 40.1





#5

Bromomethane

Concen: 16.334 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 94 Resp: 90367

Ion Ratio Lower Upper

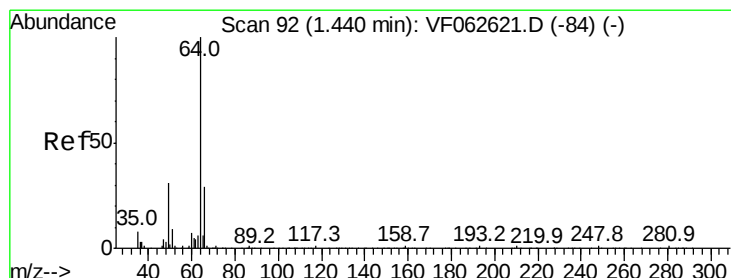
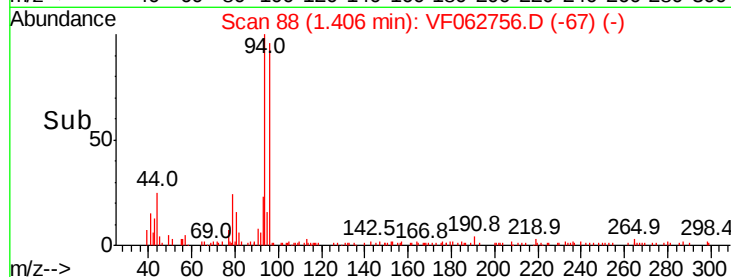
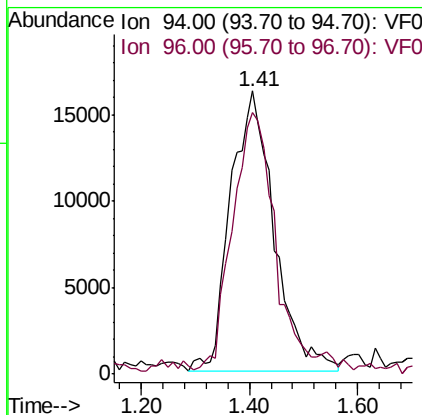
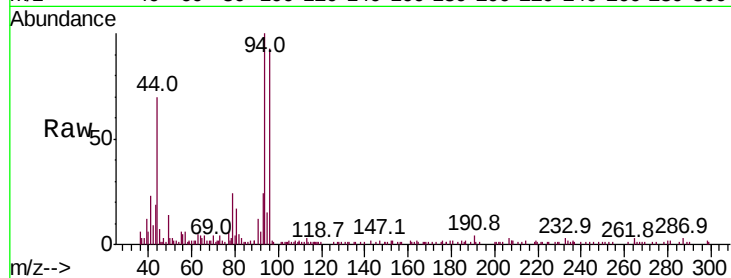
94 100

96 92.6 73.2 109.8

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#6

Chloroethane

Concen: 14.833 ug/l

RT: 1.45 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062756.D

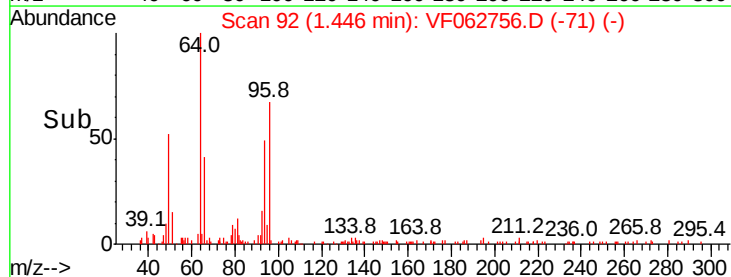
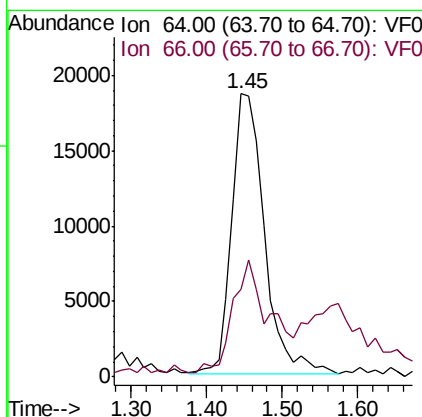
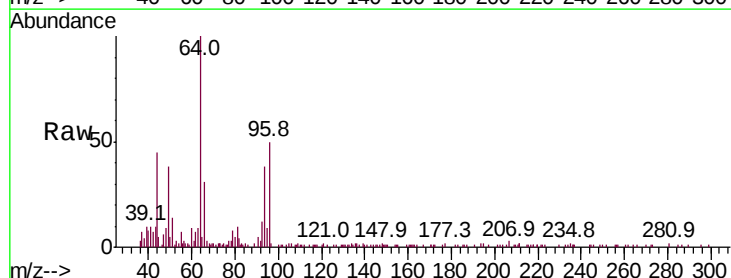
Acq: 28 May 2019 13:05

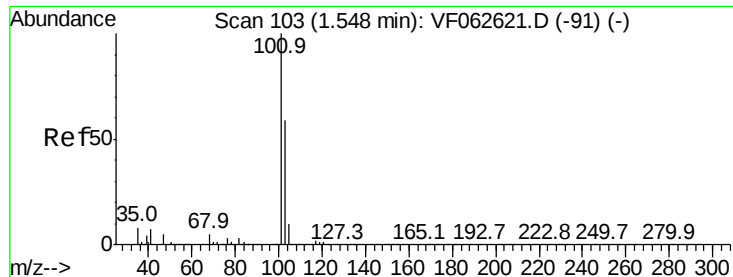
Tgt Ion: 64 Resp: 55092

Ion Ratio Lower Upper

64 100

66 30.9 23.4 35.2





#7

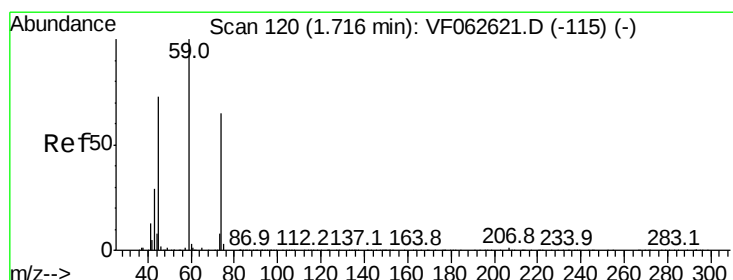
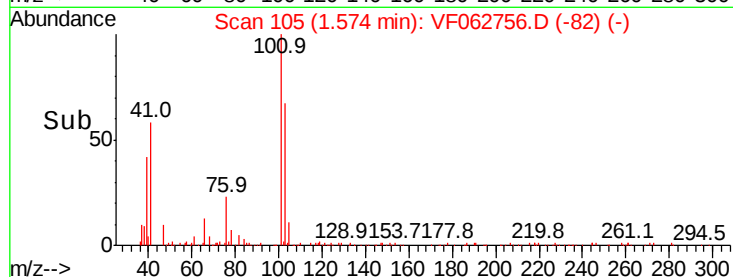
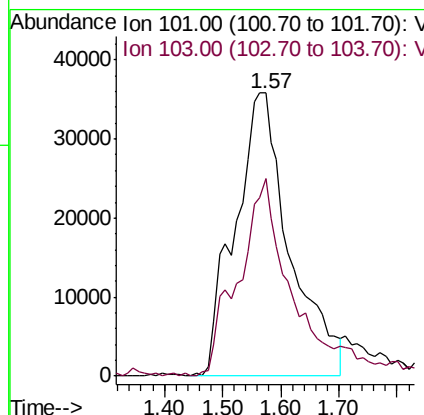
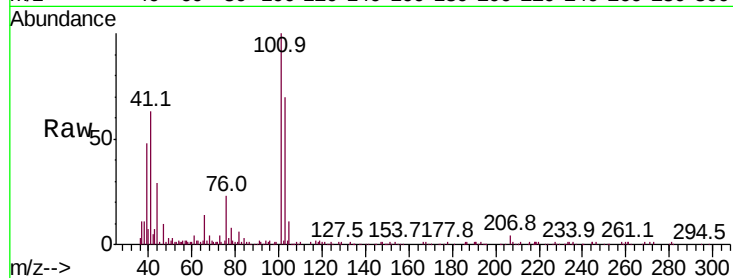
Trichlorofluoromethane
Concen: 17.244 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.03 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

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ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.0	47.3	70.9

Manual Integrations
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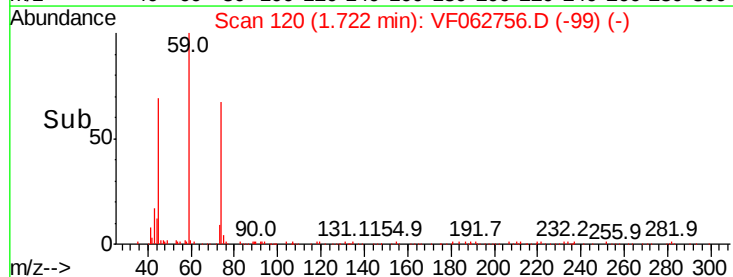
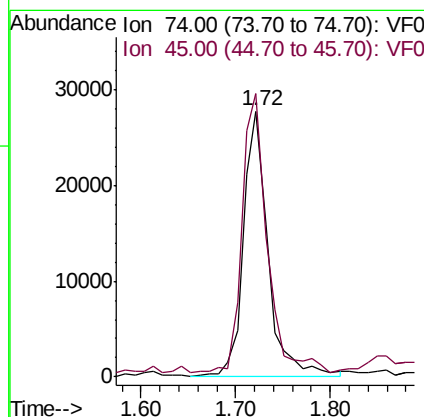
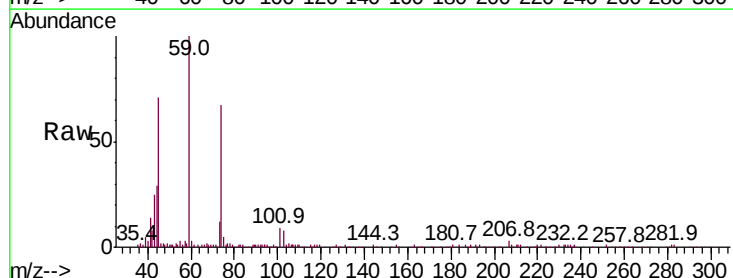
MMDadoda
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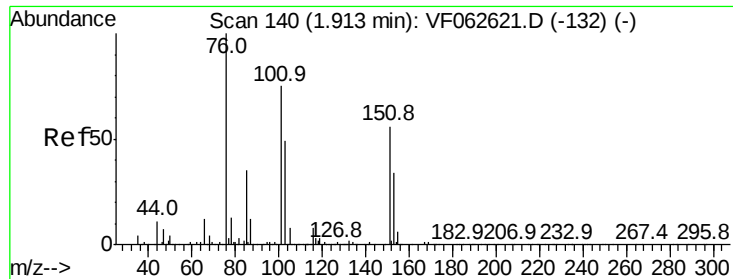


#8

Diethyl Ether
Concen: 18.722 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	57.0	170.8





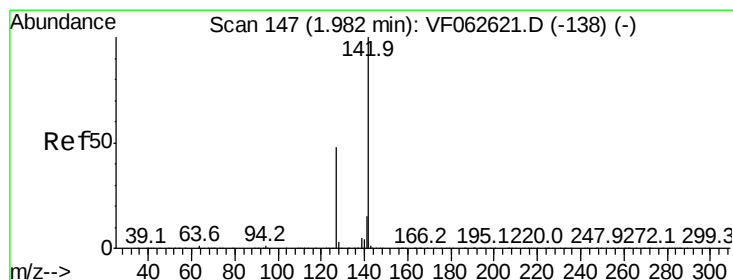
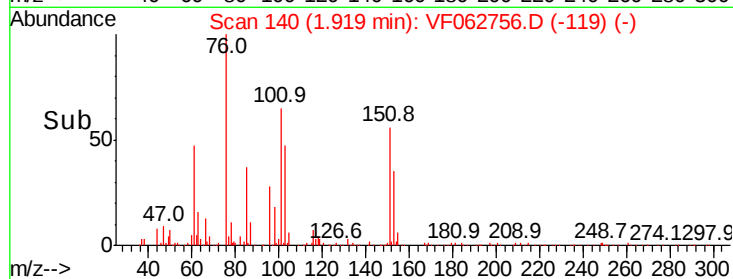
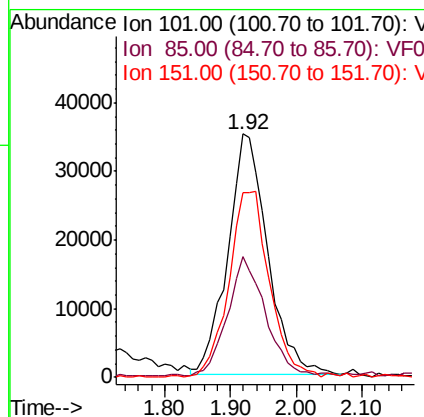
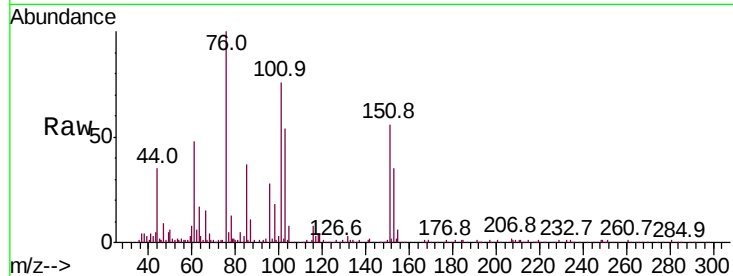
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.128 ug/l
RT: 1.92 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148093		
85	49.4	37.1	55.7	
151	75.8	58.8	88.2	

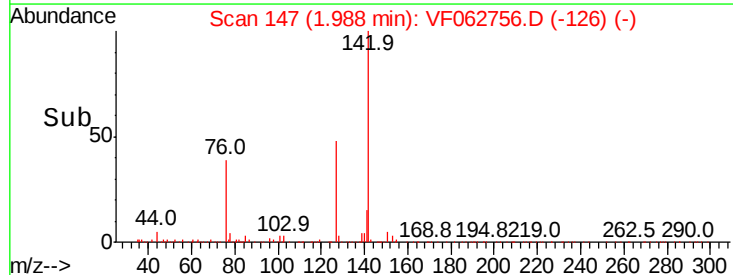
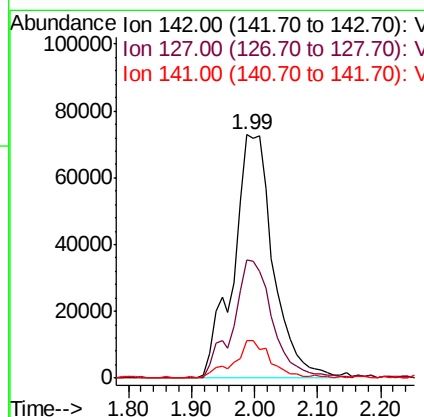
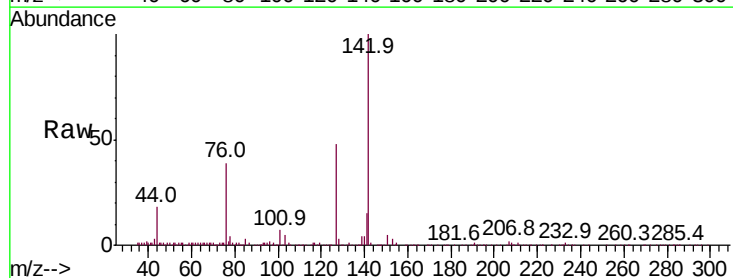
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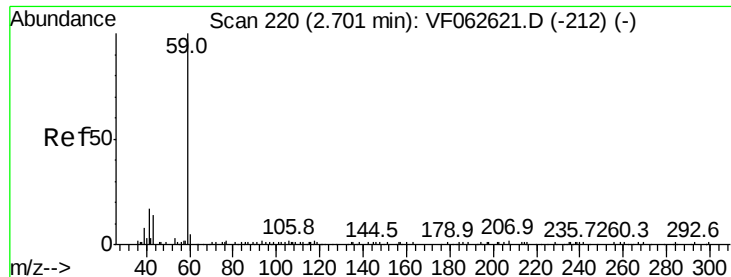
MMDadoda
5/29/2019 11:02:01 AM



#10
Methyl Iodide
Concen: 18.911 ug/l
RT: 1.99 min Scan# 147
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	321203		
127	48.3	38.1	57.1	
141	15.4	11.7	17.5	





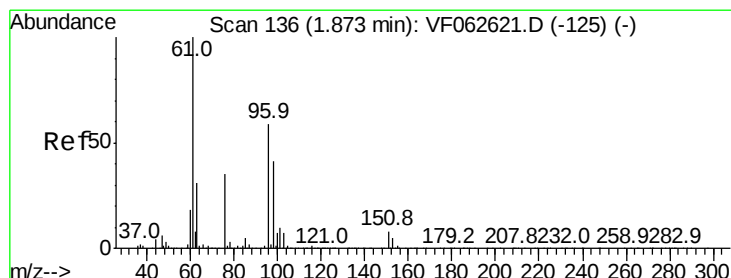
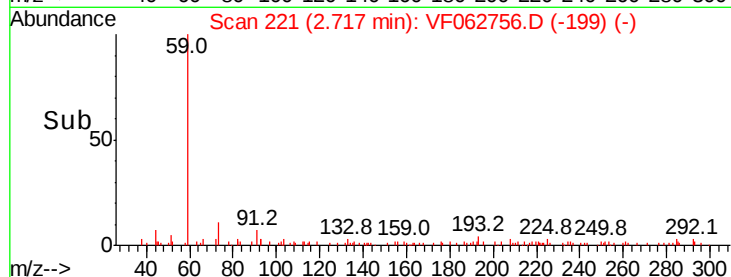
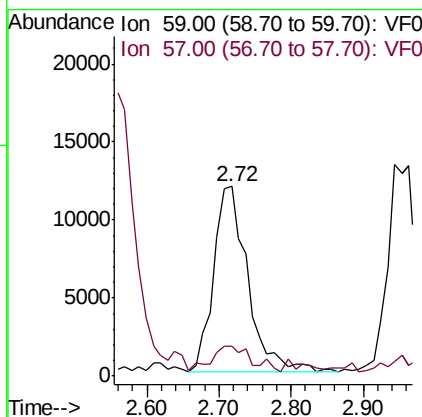
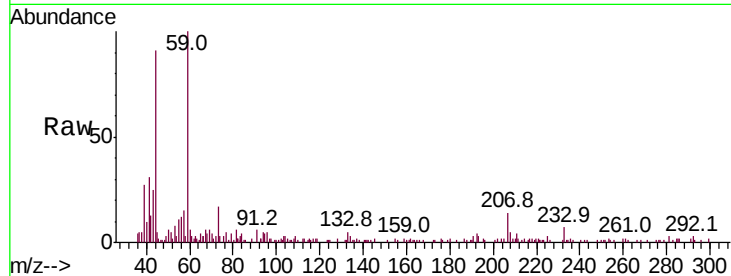
#11
Tert butyl alcohol
Concen: 94.922 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	59	57	Ratio	100	15.5	Resp	Lower	Upper
38828								

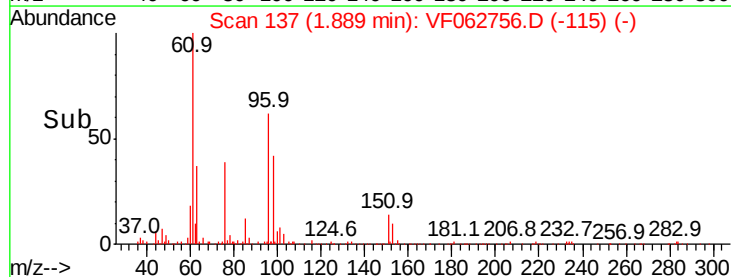
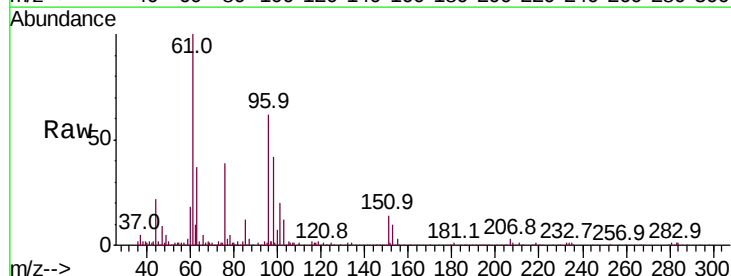
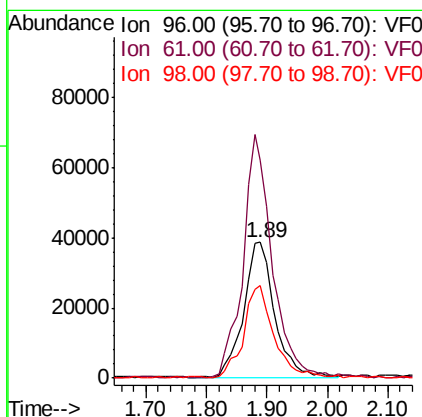
Manual Integrations
APPROVED

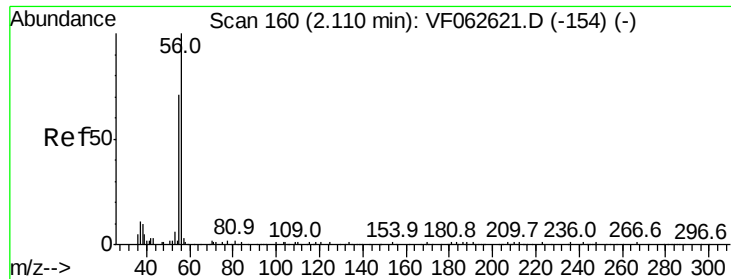
MMDadoda
5/29/2019 11:02:01 AM



#12
1,1-Dichloroethene
Concen: 17.490 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	96	61	98	Ratio	100	156.8	66.4	Resp	Lower	Upper
137755										





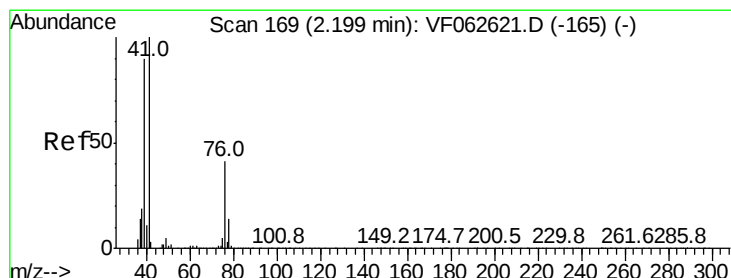
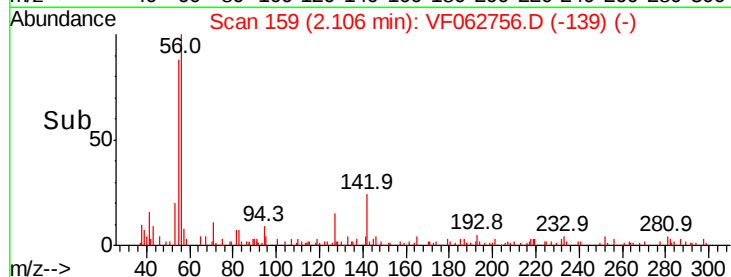
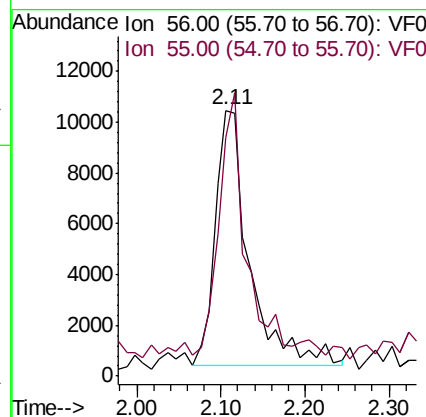
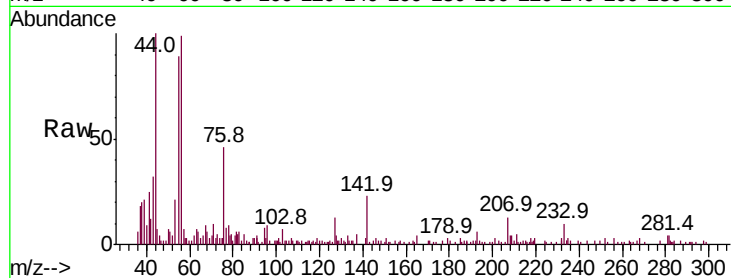
#13
Acrolein
Concen: 65.889 ug/l
RT: 2.11 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

Tot Ion: 56 Resp: 28134
Ion Ratio Lower Upper
56 100
55 89.8 59.4 89.0#

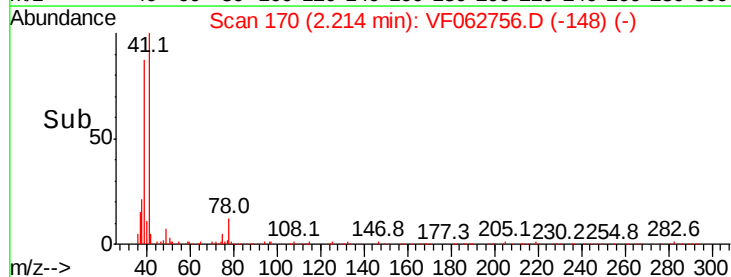
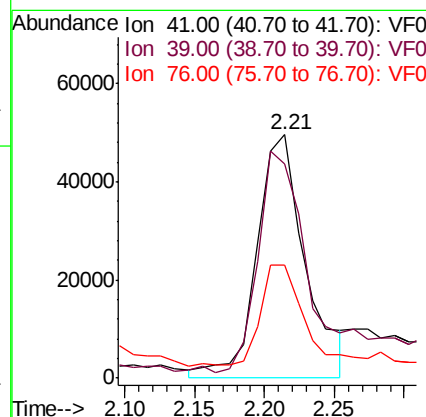
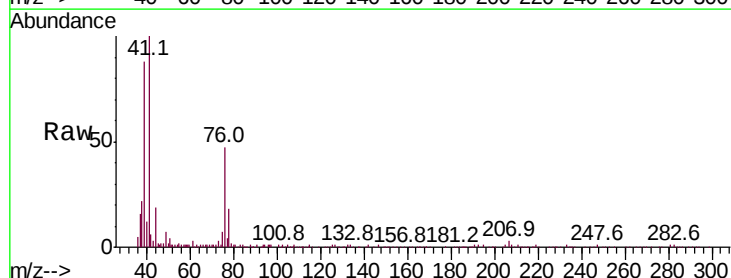
Manual Integrations
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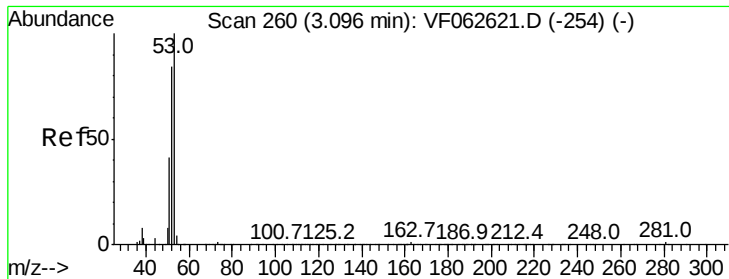
MMDadoda
5/29/2019 11:02:01 AM



#14
Allyl chloride
Concen: 16.850 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 41 Resp: 120119
Ion Ratio Lower Upper
41 100
39 88.1 72.0 108.0
76 46.6 34.8 52.2





#15

Acrylonitrile

Concen: 93.939 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

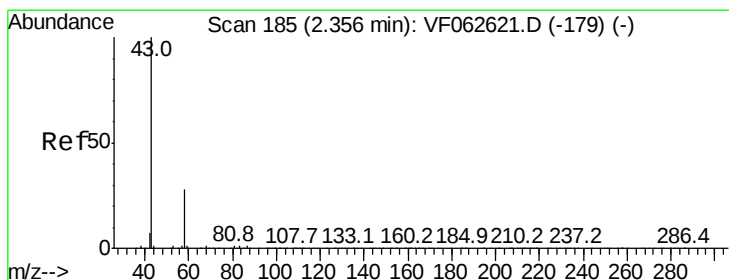
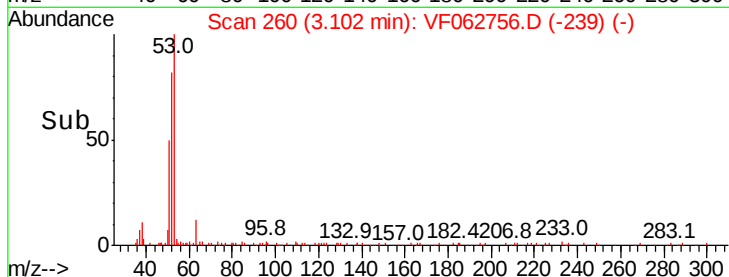
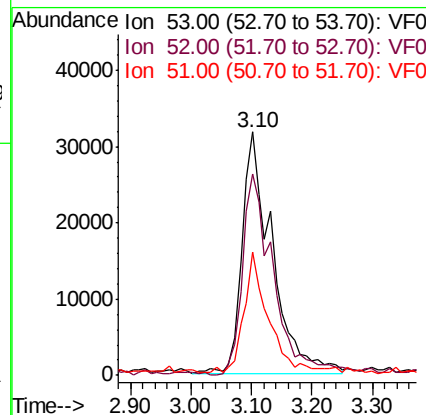
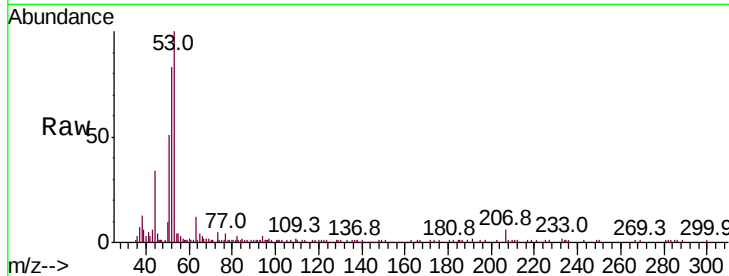
ClientSampleId :

VF0528SBS01

Tot Ion:	53	Resp:	108393
Ion Ratio		Lower	Upper
53	100		
52	82.7	67.3	100.9
51	50.8	33.0	49.6#

Manual Integrations
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MMDadoda
5/29/2019 11:02:01 AM



#16

Acetone

Concen: 75.085 ug/l

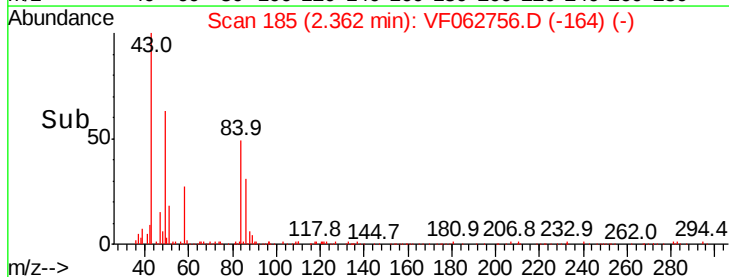
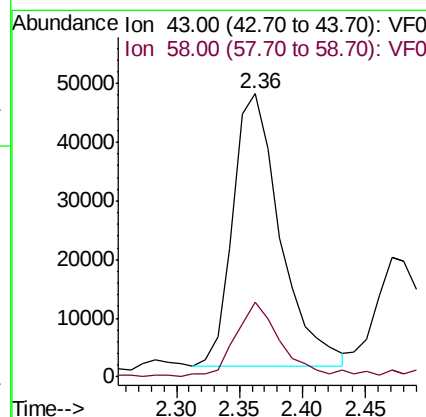
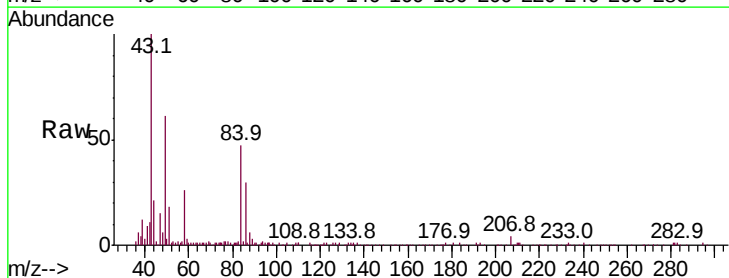
RT: 2.36 min Scan# 185

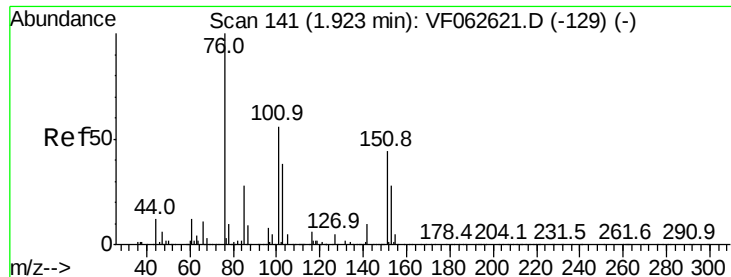
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	43	Resp:	120691
Ion Ratio		Lower	Upper
43	100		
58	26.5	22.6	33.8





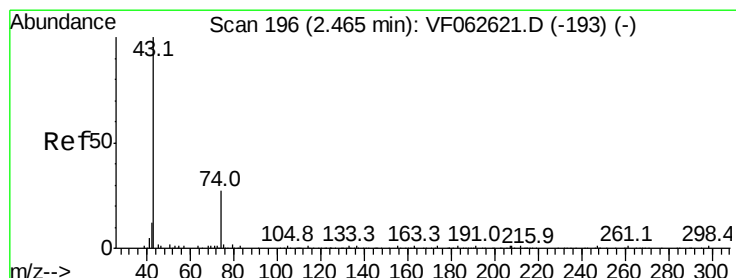
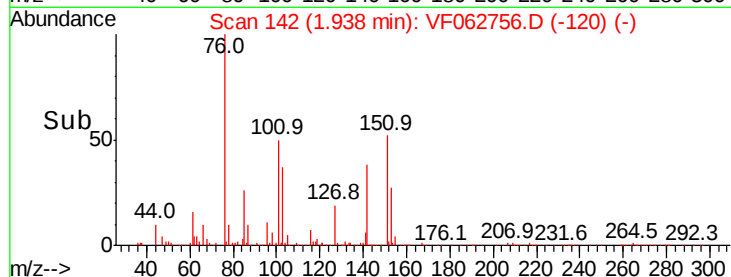
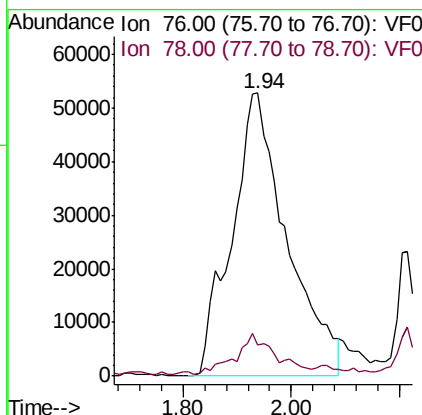
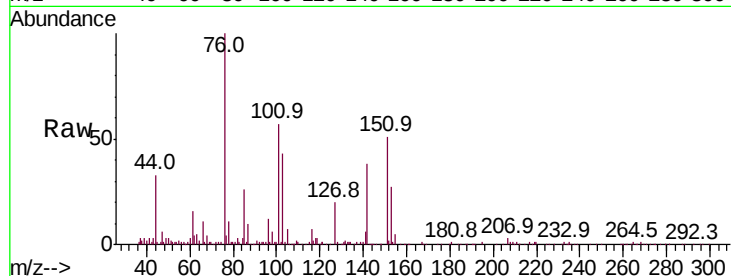
#17
Carbon Disulfide
Concen: 16.078 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

Tot Ion: 76 Resp: 375342
Ion Ratio Lower Upper
76 100
78 11.0 8.4 12.6

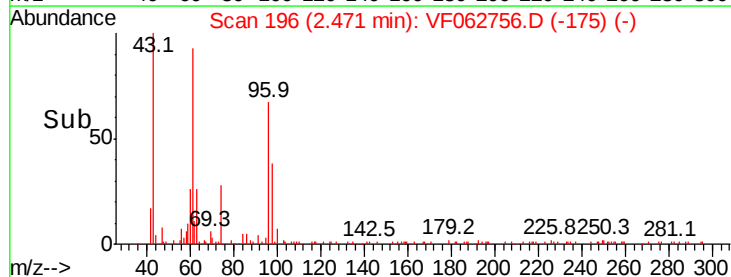
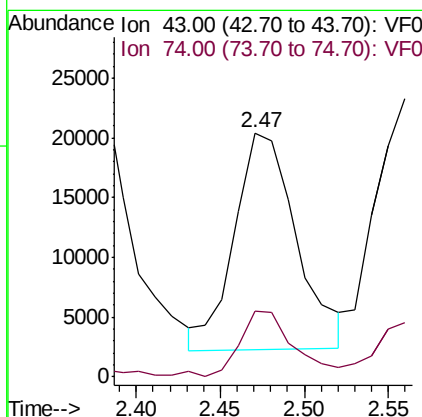
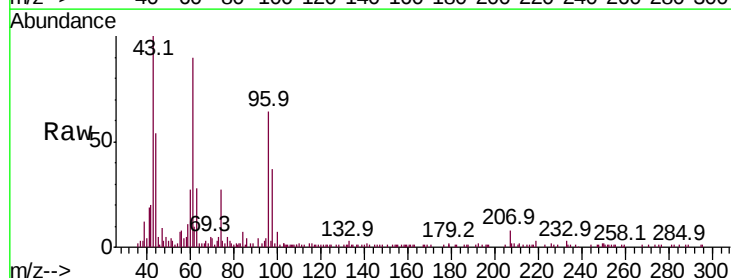
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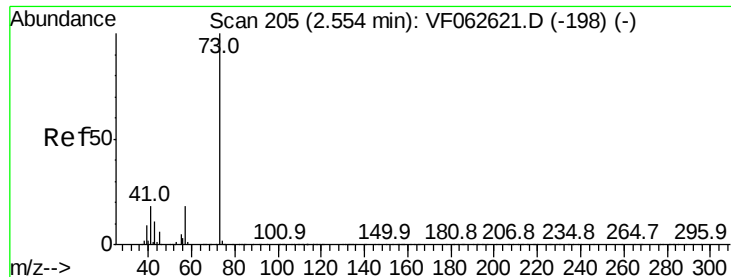
MMDadoda
5/29/2019 11:02:01 AM



#18
Methyl Acetate
Concen: 18.483 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 46686
Ion Ratio Lower Upper
43 100
74 27.2 18.9 28.3





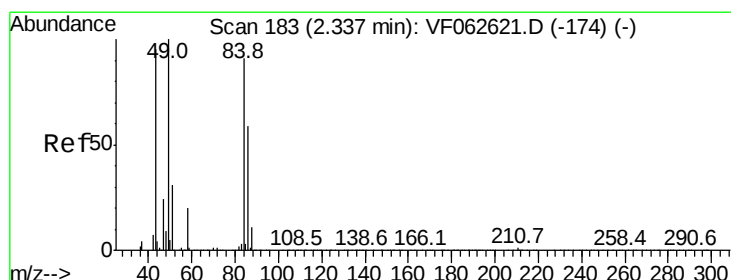
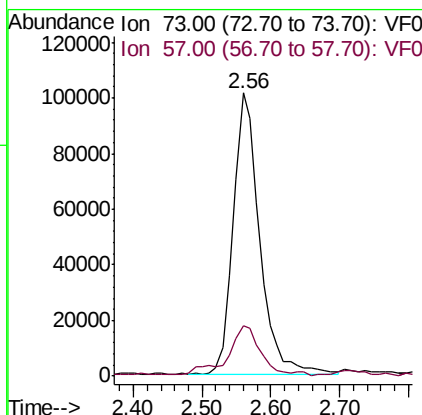
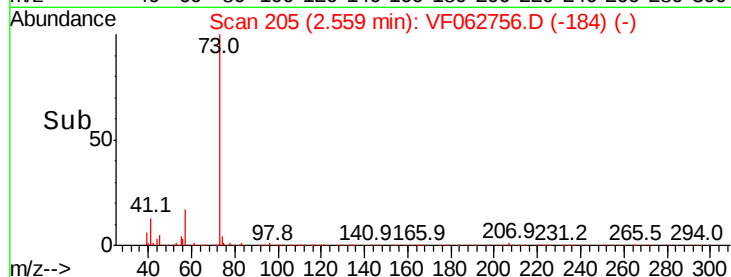
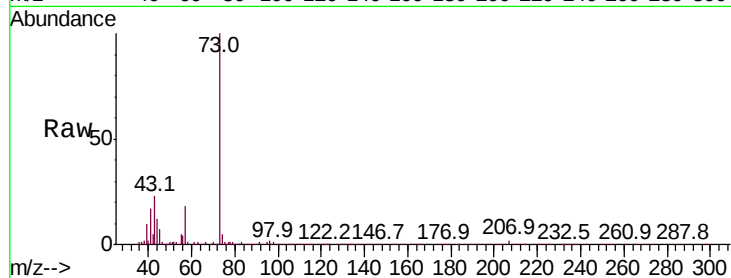
#19
Methvl tert-butvl Ether
Concen: 19.085 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.2	21.4

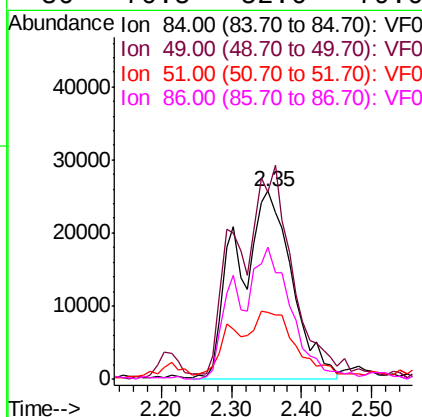
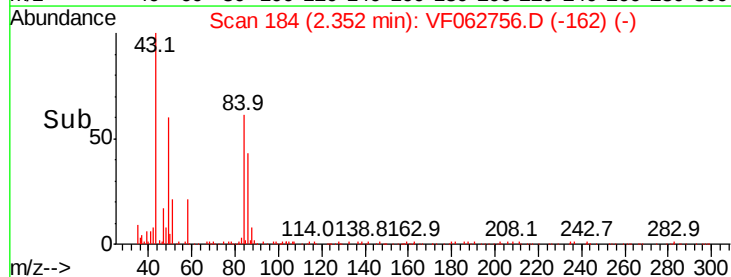
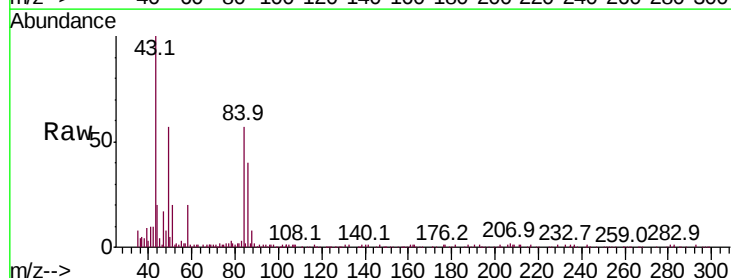
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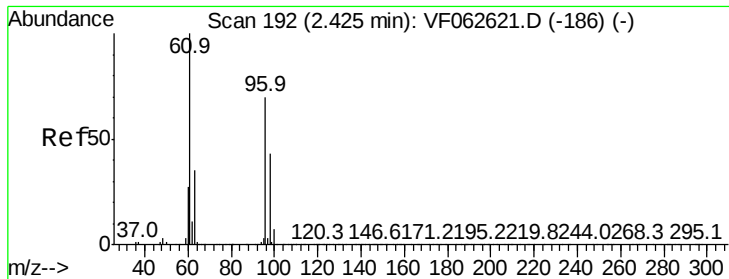
MMDadoda
5/29/2019 11:02:01 AM



#20
Methylene Chloride
Concen: 17.322 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	99.4	89.8	134.8
51	35.4	28.4	42.6
86	70.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 18.248 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

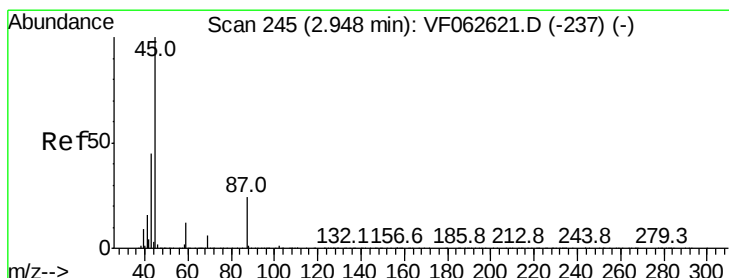
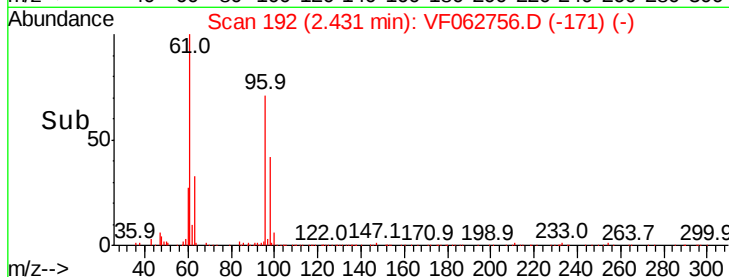
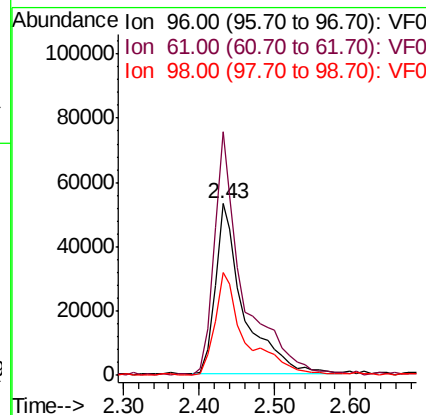
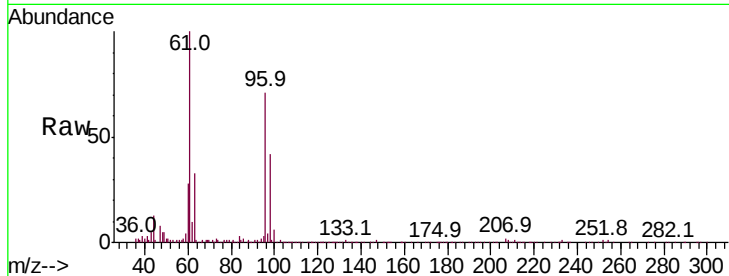
ClientSampleId :

VF0528SBS01

Tot Ion:	96	Resp:	140486
Ion	Ratio	Lower	Upper
96	100		
61	141.8	114.6	171.8
98	59.6	49.5	74.3

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#22

Diisopropyl ether

Concen: 18.647 ug/l

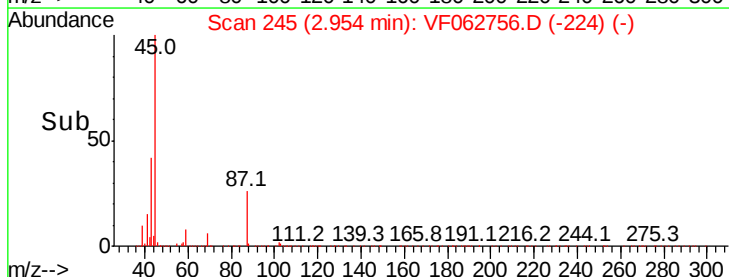
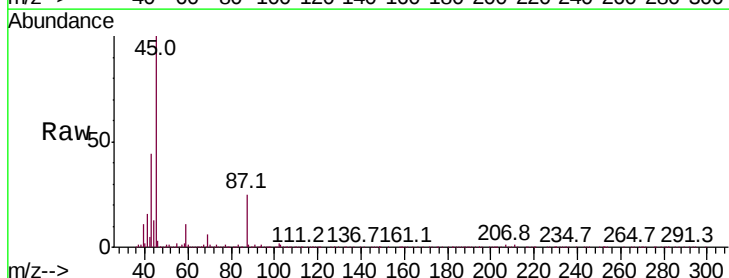
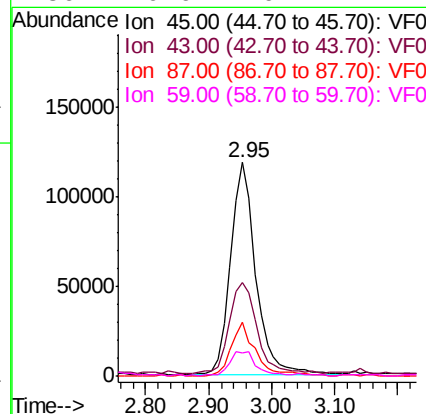
RT: 2.95 min Scan# 245

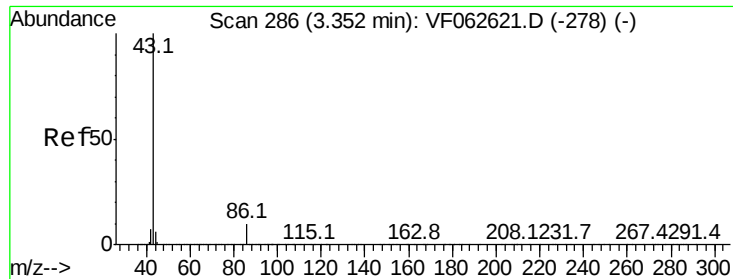
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	45	Resp:	327847
Ion	Ratio	Lower	Upper
45	100		
43	44.0	36.4	54.6
87	25.3	19.3	28.9
59	10.9	9.4	14.2





#23

Vinyl Acetate

Concen: 95.729 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 43 Resp: 1135371

Ion Ratio Lower Upper

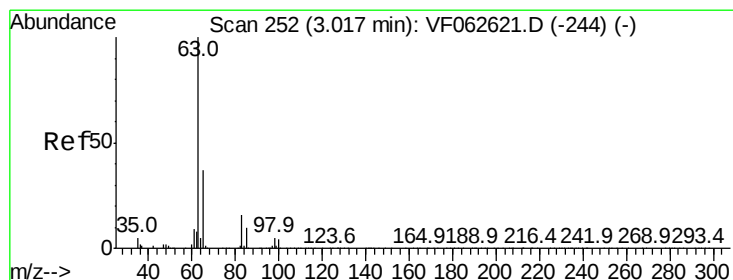
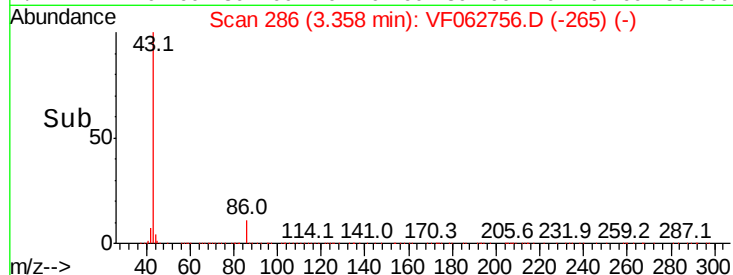
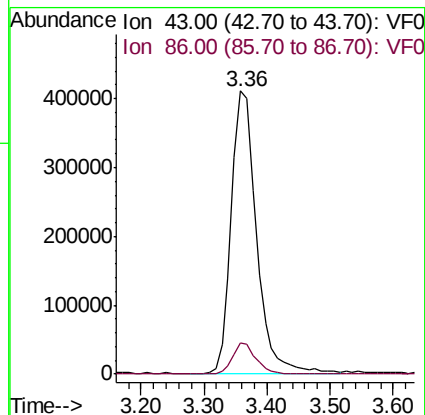
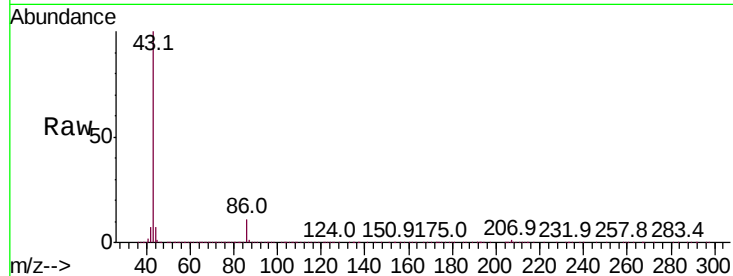
43 100

86 11.2 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 18.748 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

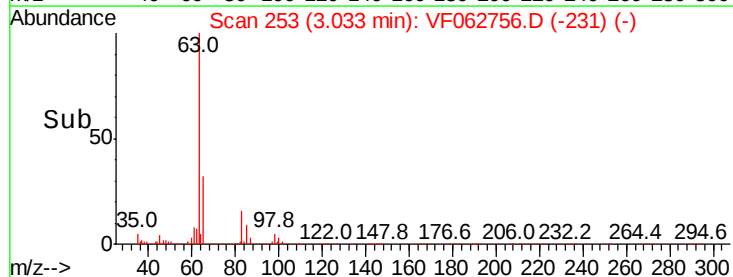
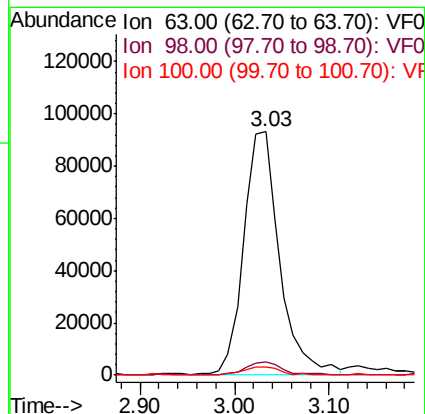
Tgt Ion: 63 Resp: 241806

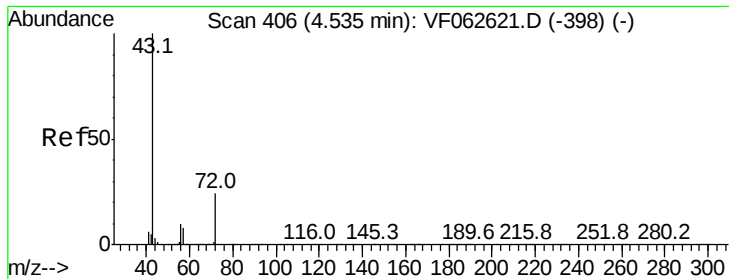
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.3 1.9 5.7





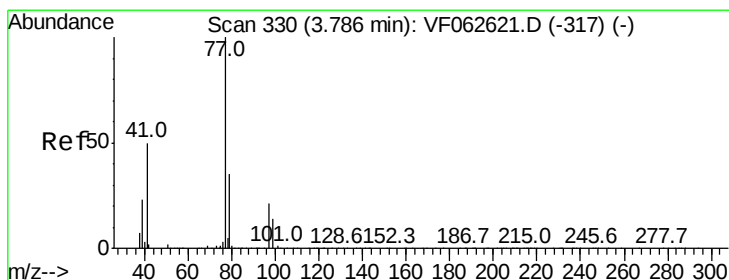
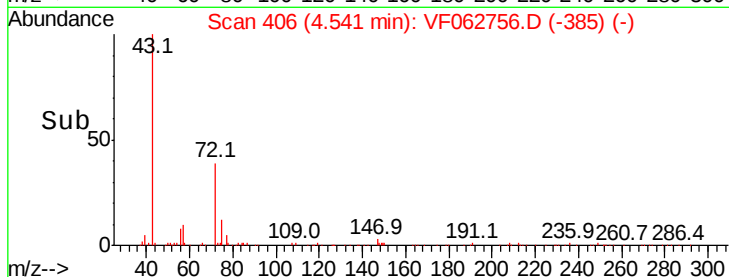
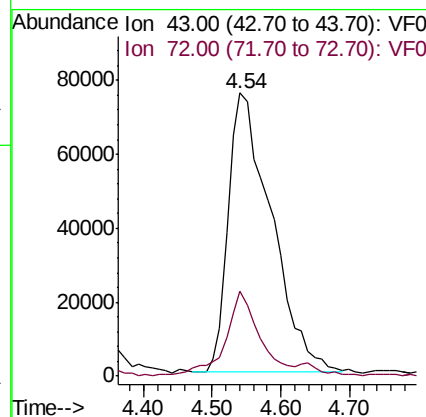
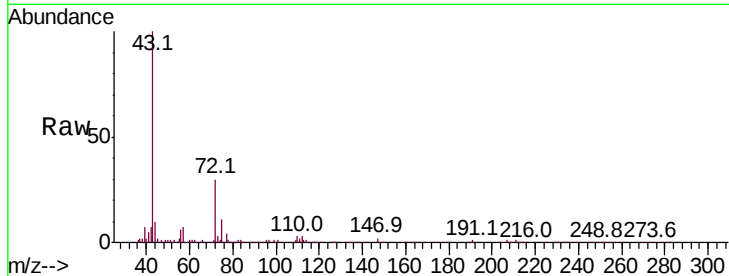
#25
2-Butanone
Concen: 95.098 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.1	20.1	30.1

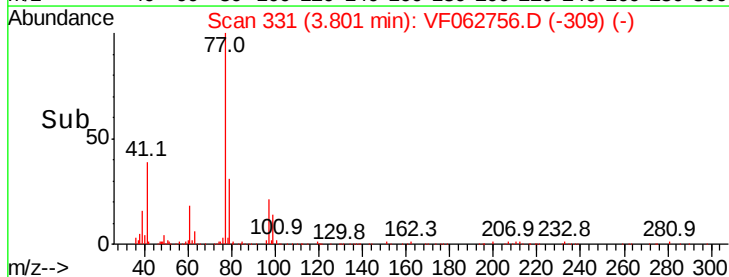
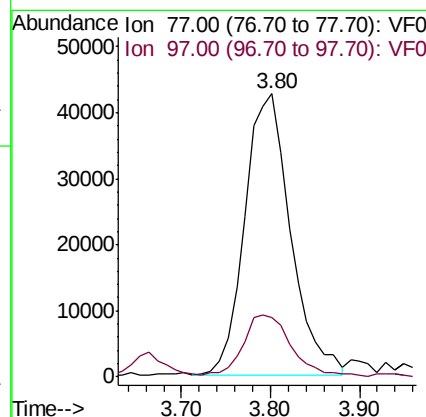
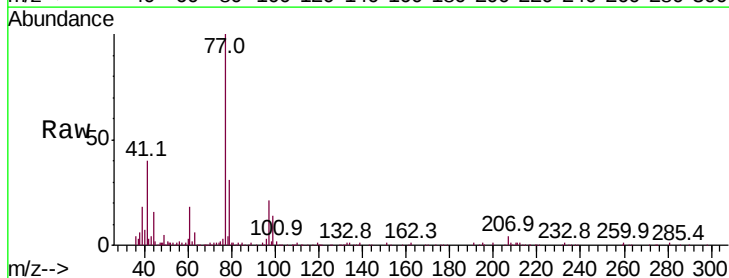
Manual Integrations
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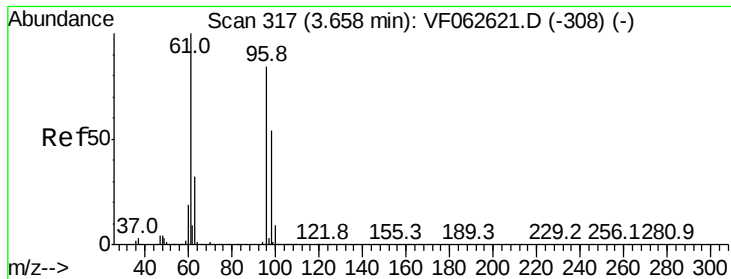
MMDadoda
5/29/2019 11:02:01 AM



#26
2,2-Dichloropropane
Concen: 20.561 ug/l
RT: 3.80 min Scan# 331
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.0	14.1	42.4





#27

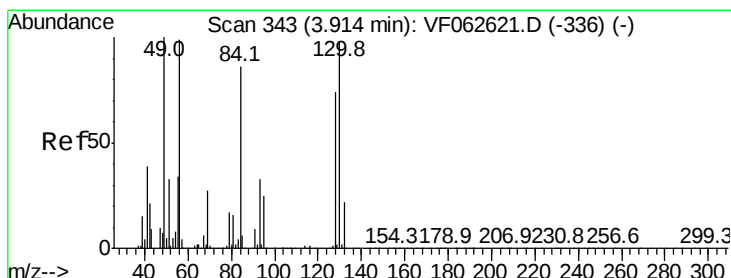
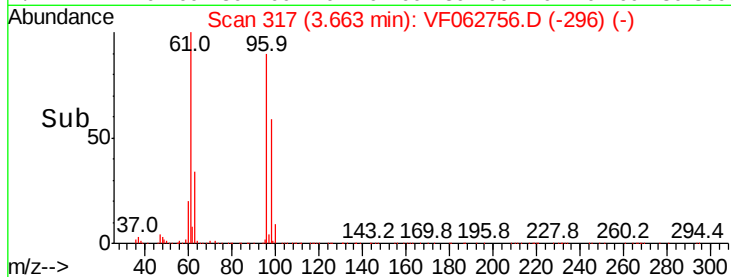
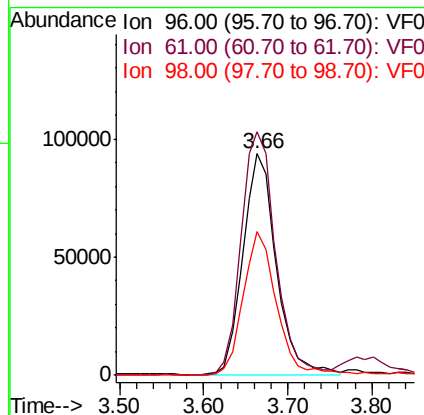
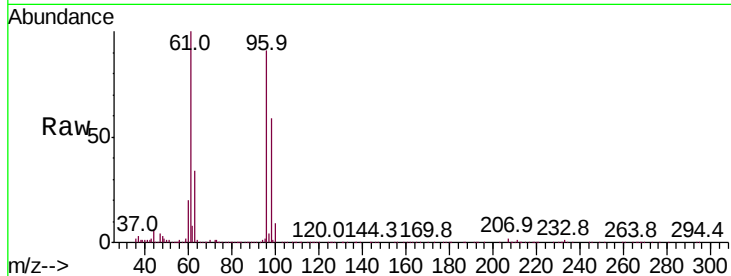
cis-1,2-Dichloroethene
Concen: 20.355 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	257757		
61	110.0	0.0	237.4	
98	65.0	0.0	129.0	

Manual Integrations
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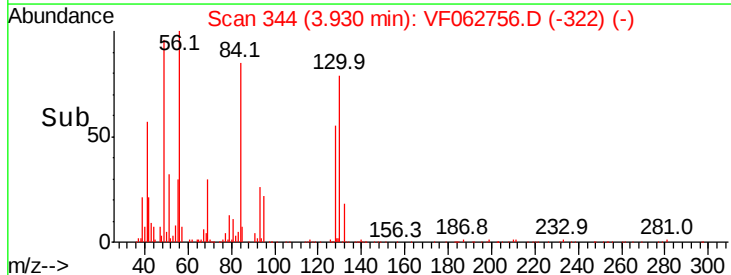
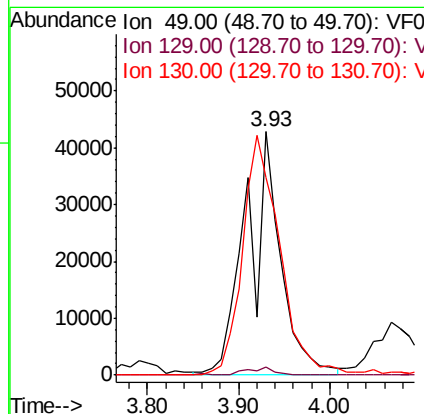
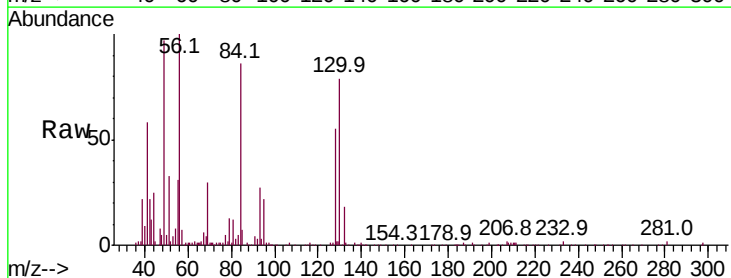
MMDadoda
5/29/2019 11:02:01 AM

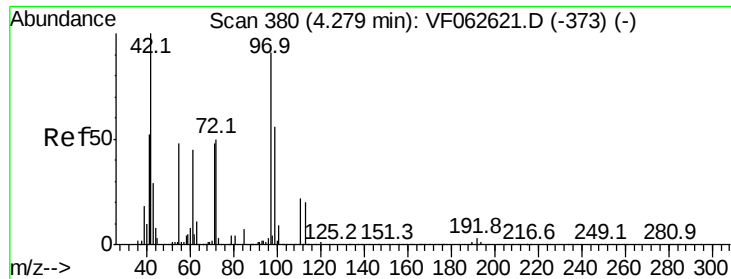


#28

Bromochloromethane
Concen: 15.393 ug/l m
RT: 3.93 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111353		
129	1.7	0.0	4.0	
130	81.0	77.8	116.8	





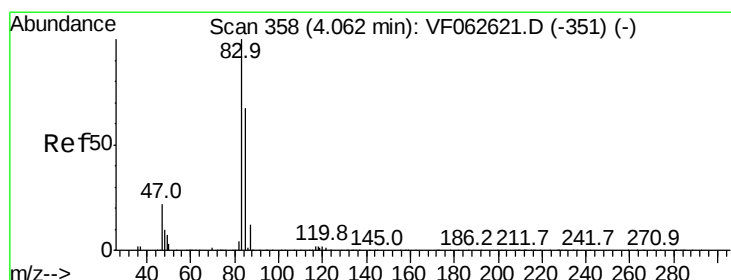
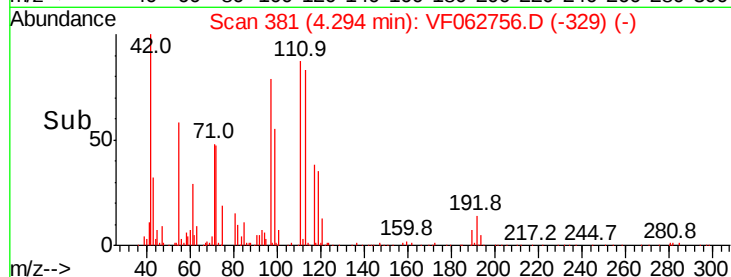
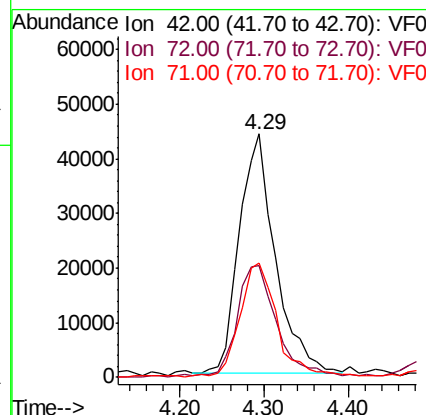
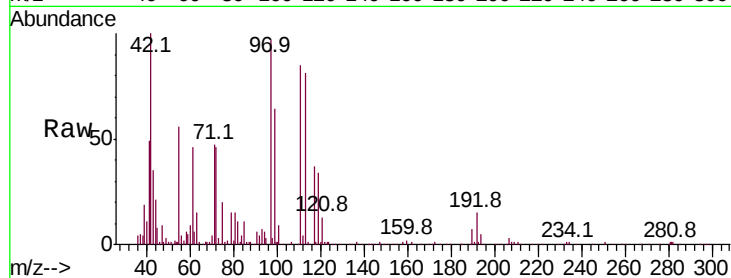
#29
Tetrahydrofuran
Concen: 94.461 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	38.2	57.2
71	48.6	35.8	53.6

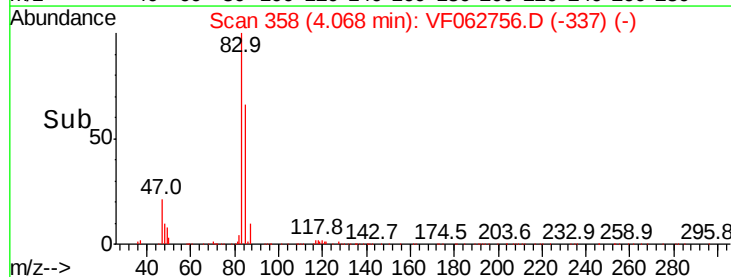
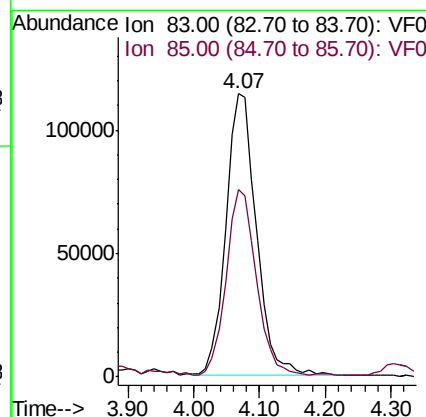
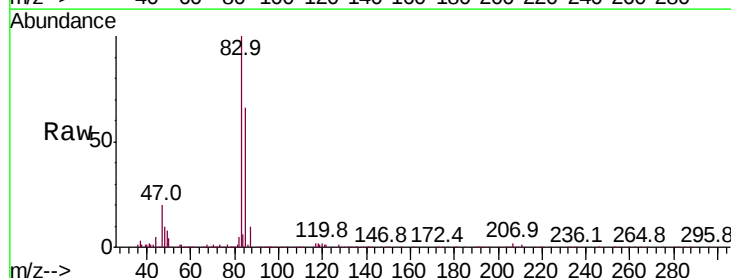
Manual Integrations
APPROVED

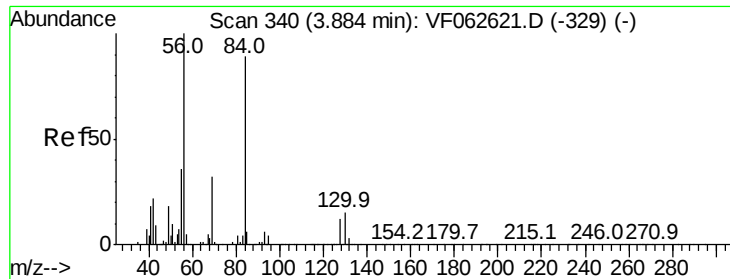
MMDadoda
5/29/2019 11:02:01 AM



#30
Chloroform
Concen: 20.577 ug/l
RT: 4.07 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.6	80.4





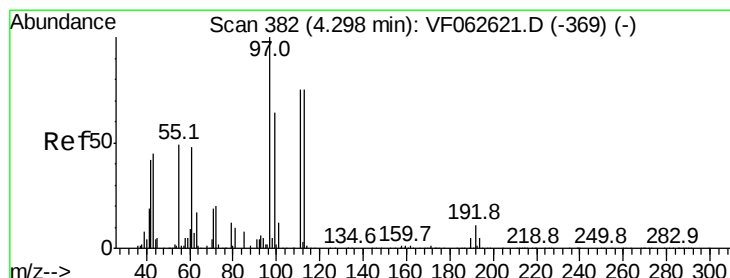
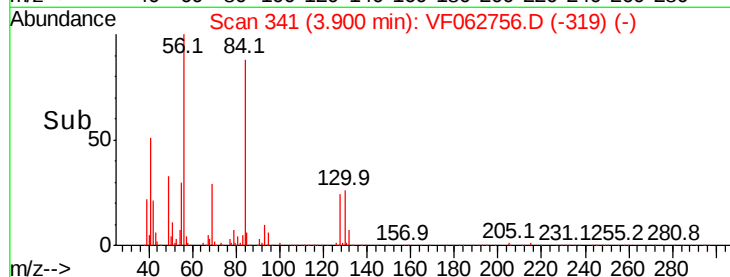
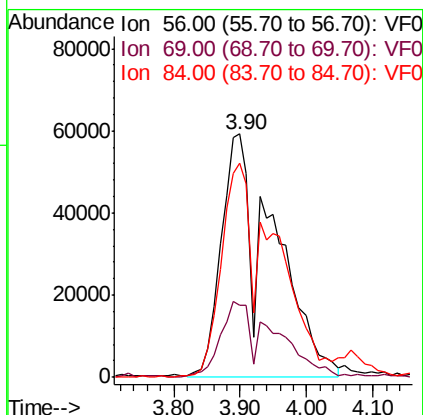
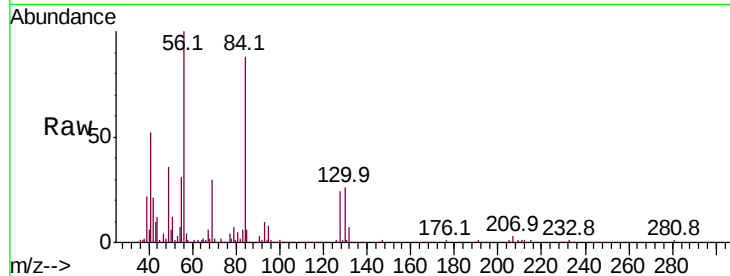
#31
Cyclohexane
Concen: 18.743 ug/l m
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.3	37.9
84	88.0	71.0	106.4

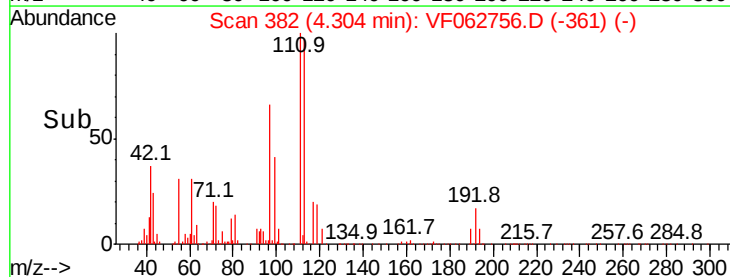
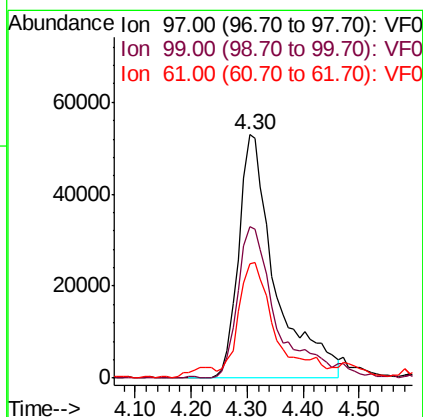
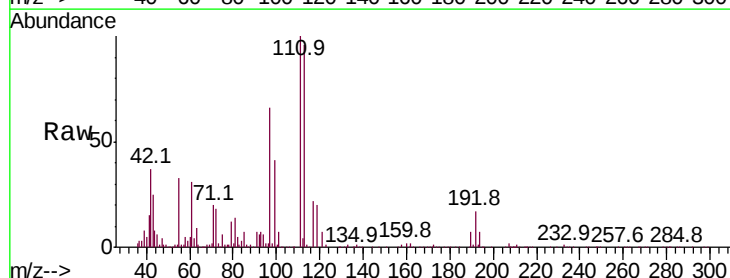
Manual Integrations
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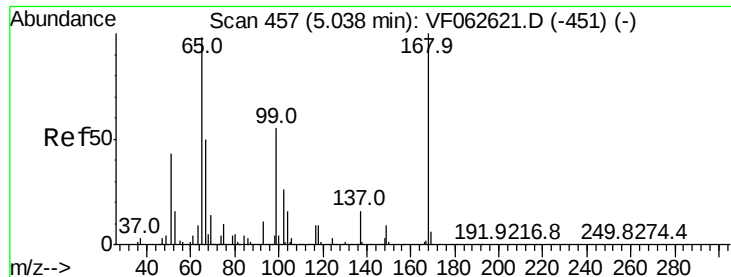
MMDadoda
5/29/2019 11:02:01 AM



#32
1,1,1-Trichloroethane
Concen: 20.231 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.3	76.9
61	47.0	38.2	57.2





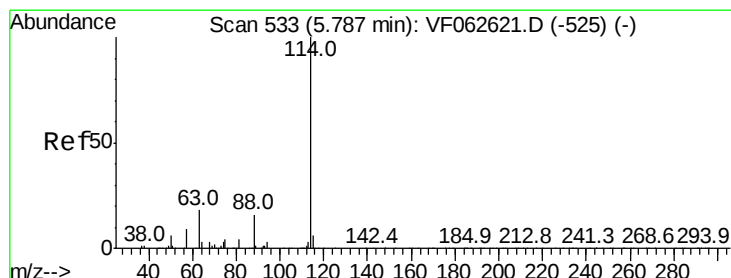
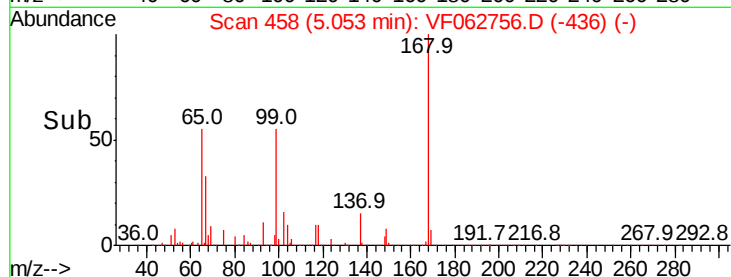
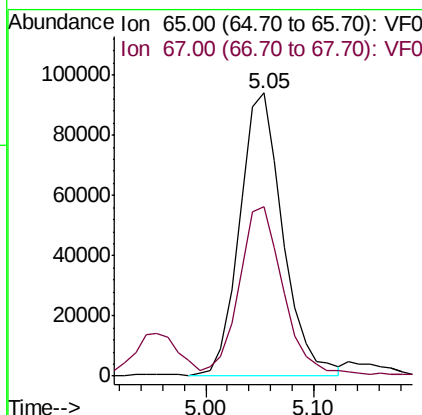
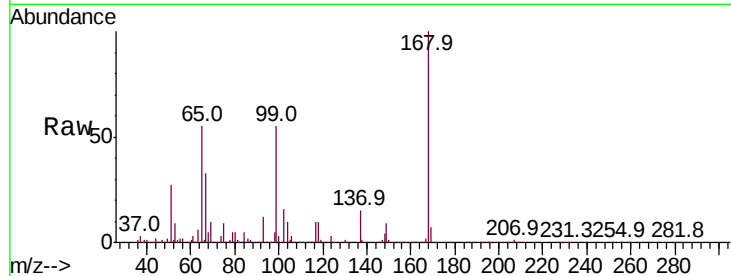
#33
 1,2-Dichloroethane-d4
 Concen: 41.978 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260090		
67	59.9	0.0	117.6	

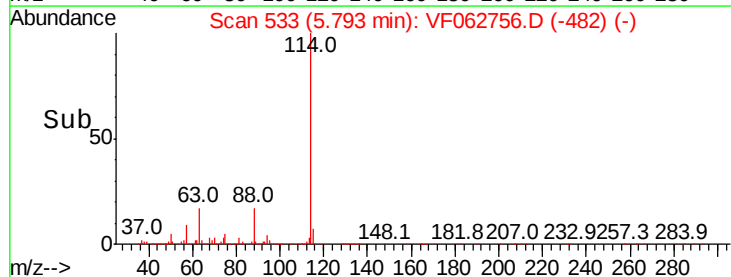
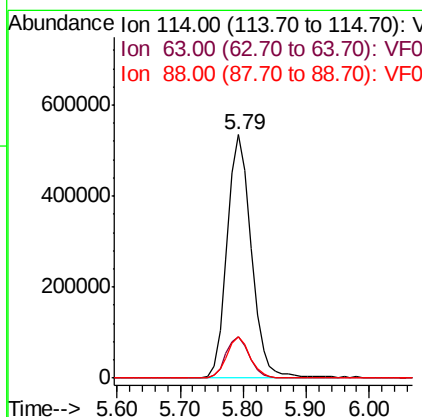
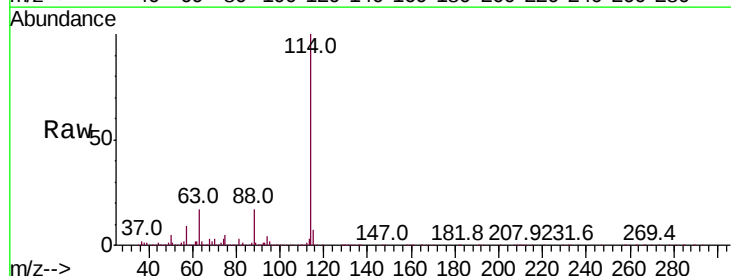
Manual Integrations
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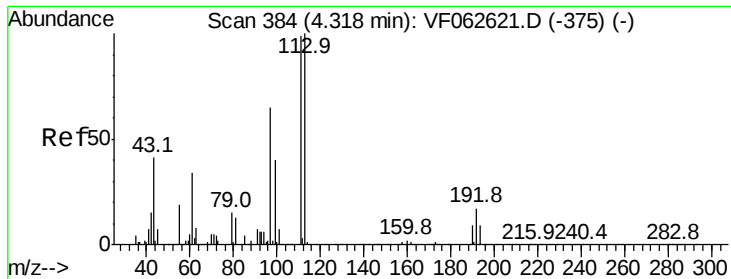
MMDadoda
 5/29/2019 11:02:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1423887		
63	16.8	0.0	35.4	
88	16.9	0.0	32.4	





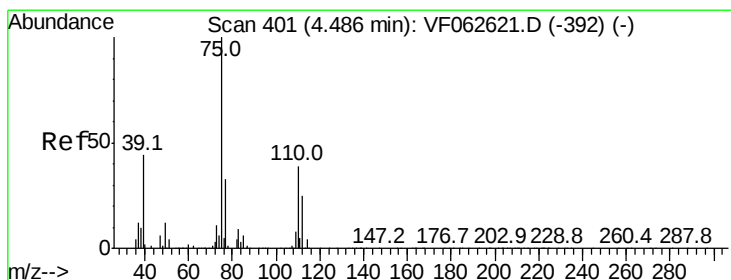
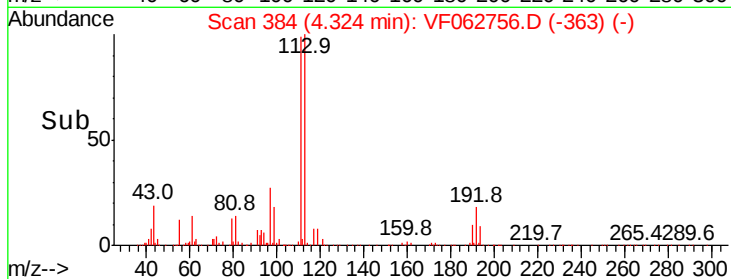
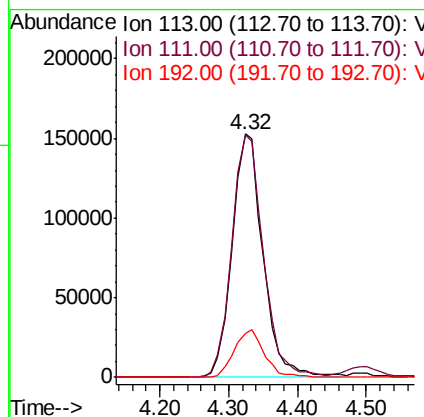
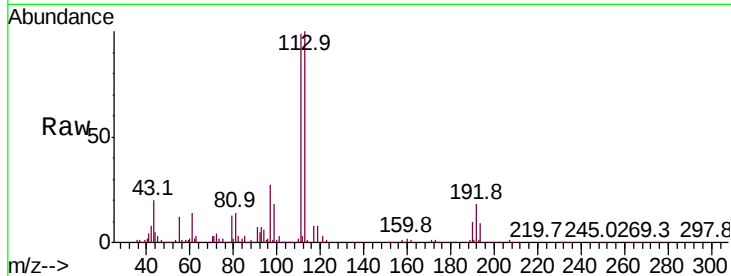
#35
 Dibromofluoromethane
 Concen: 43.448 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.5	79.4	119.2
192	17.8	13.4	20.2

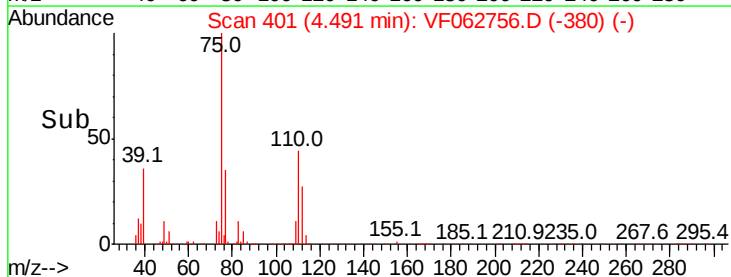
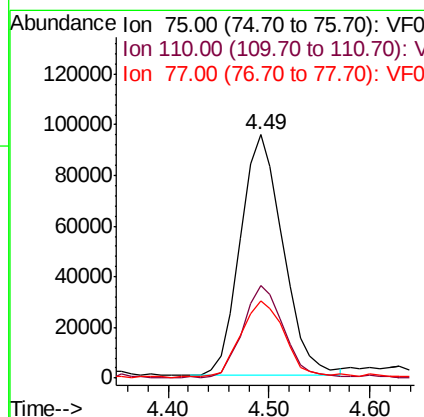
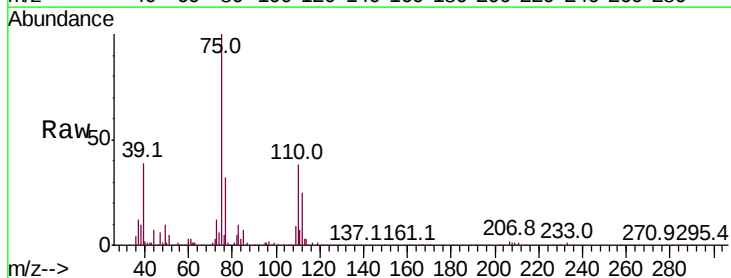
Manual Integrations
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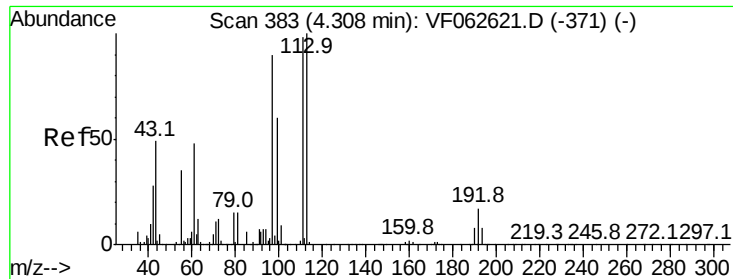
MMDadoda
 5/29/2019 11:02:01 AM



#36
 1,1-Dichloropropene
 Concen: 19.234 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.7	59.1
77	31.7	26.3	39.5





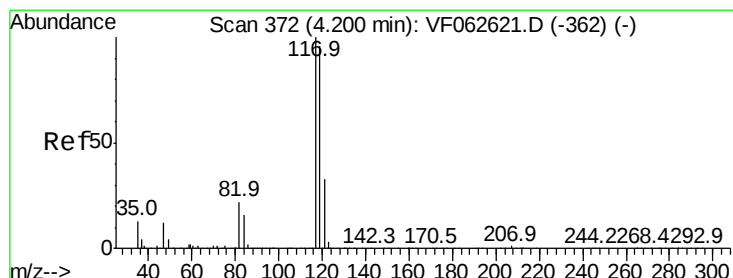
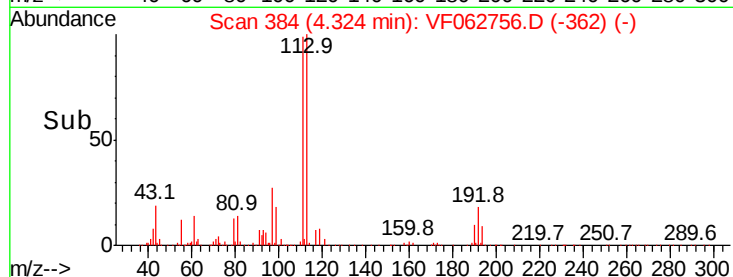
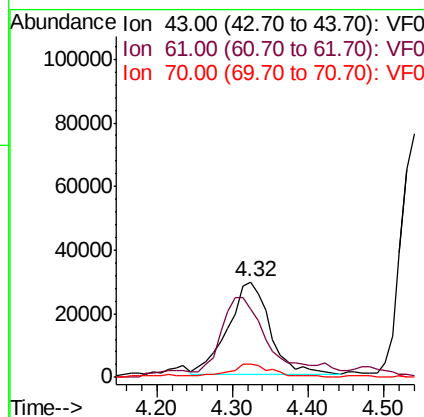
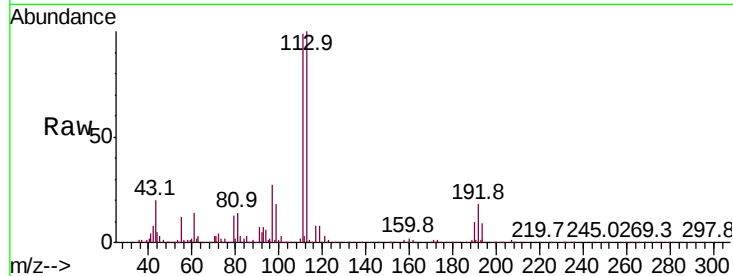
#37
Ethyl Acetate
Concen: 19.013 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	71.4	76.9	115.3#
70	14.4	8.8	13.2#

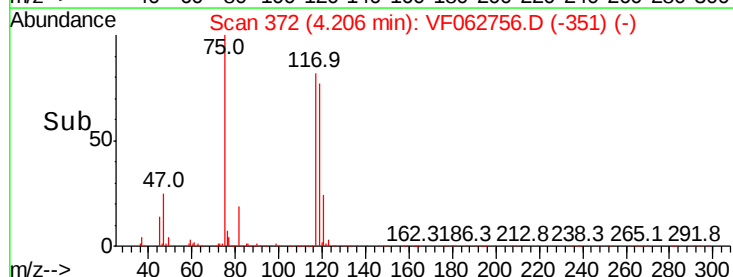
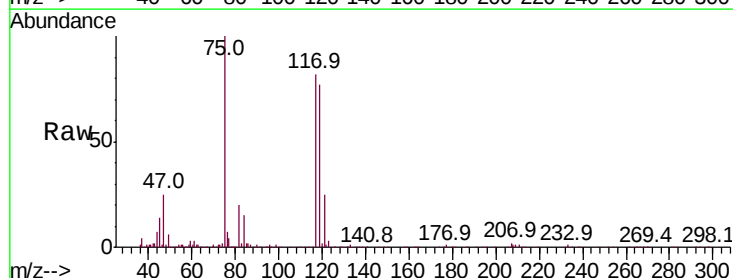
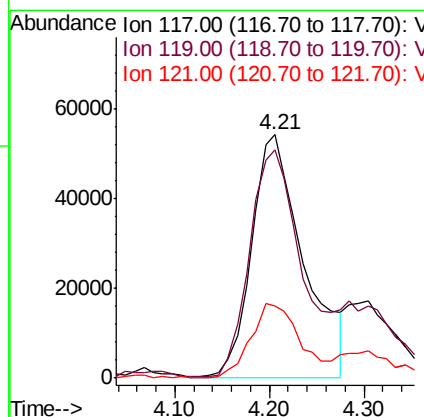
Manual Integrations
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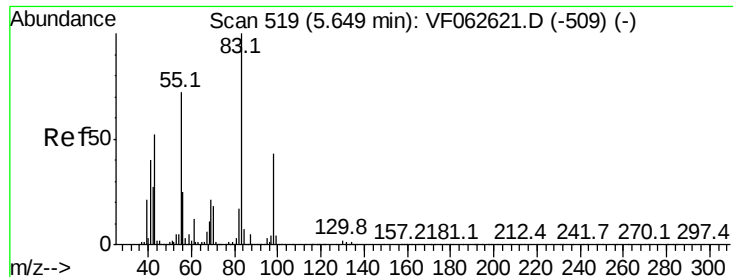
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5/29/2019 11:02:01 AM



#38
Carbon Tetrachloride
Concen: 18.902 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.7	115.1
121	29.8	26.6	40.0





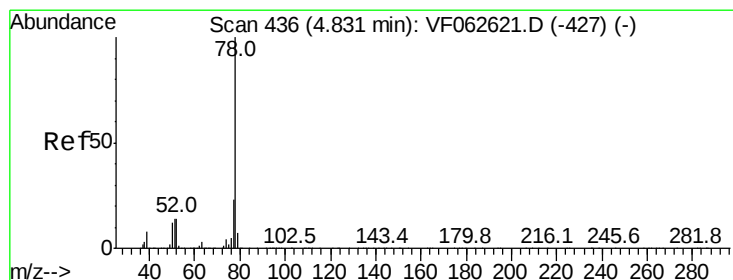
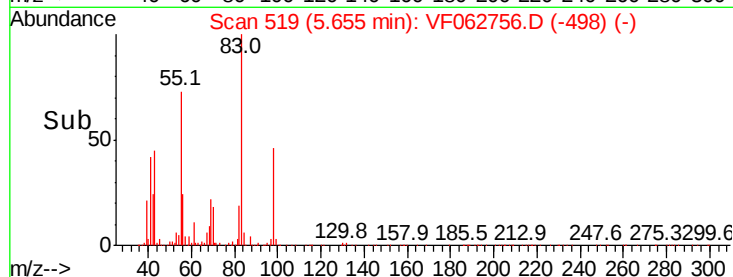
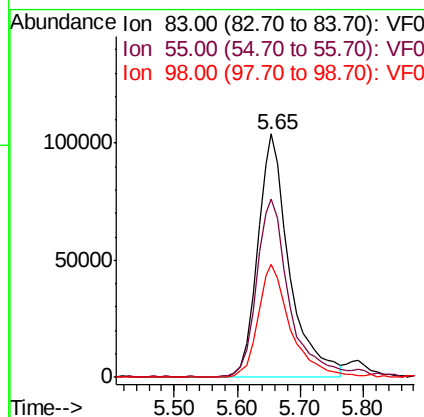
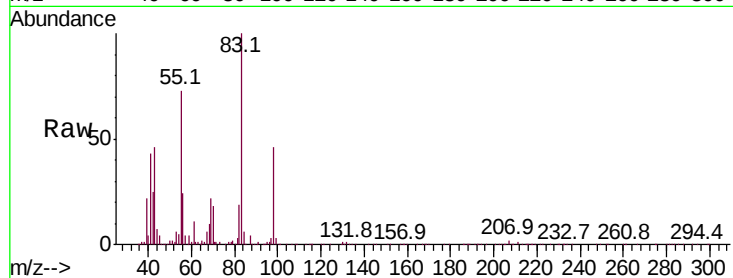
#39
Methvlcvclohexane
Concen: 20.740 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion:	83	Resp:	364113
Ion Ratio	Lower	Upper	
83	100		
55	73.3	57.9	86.9
98	46.3	34.6	52.0

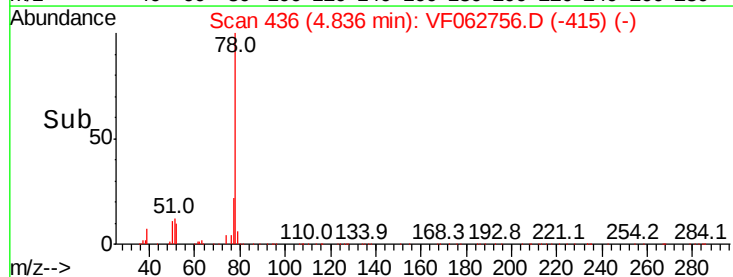
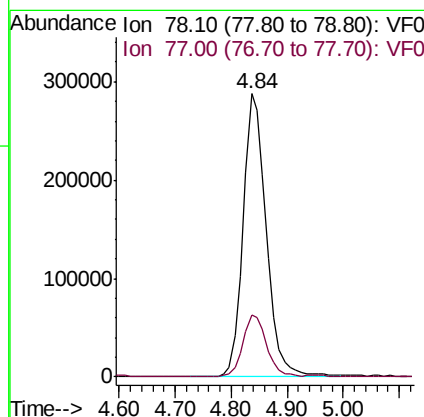
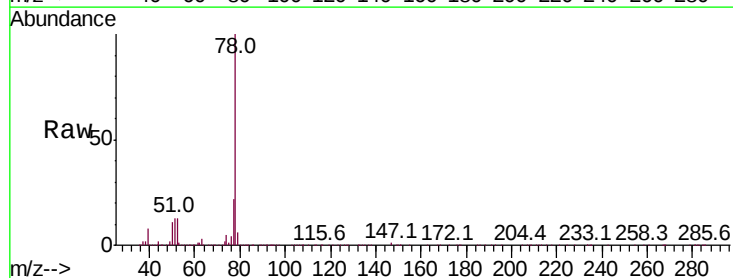
Manual Integrations
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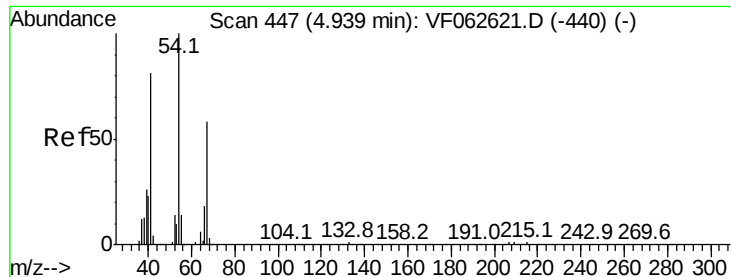
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#40
Benzene
Concen: 20.722 ug/l
RT: 4.84 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion:	78	Resp:	823660
Ion Ratio	Lower	Upper	
78	100		
77	22.1	18.2	27.2





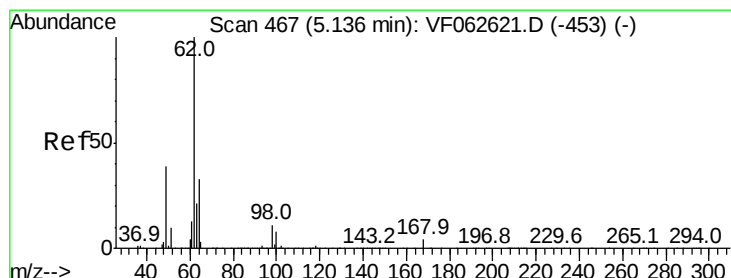
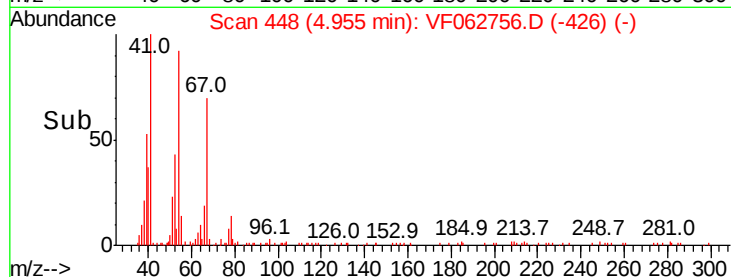
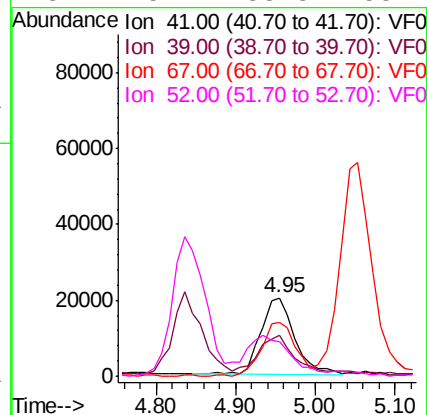
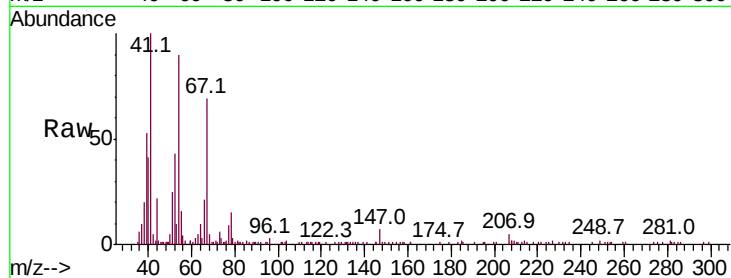
#41
Methacrylonitrile
Concen: 18.909 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.2	63.2
67	68.6	56.4	84.6
52	43.4	38.8	58.2

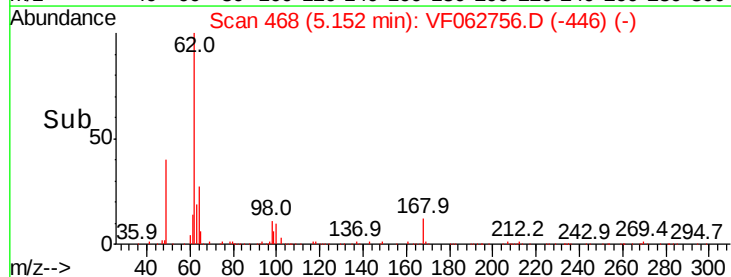
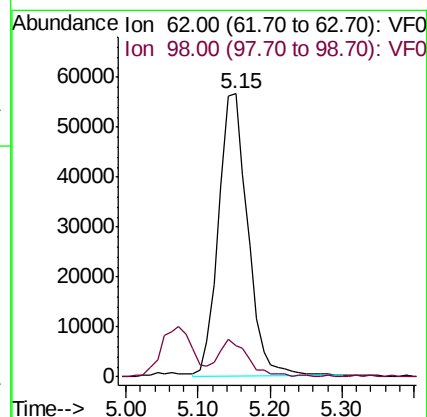
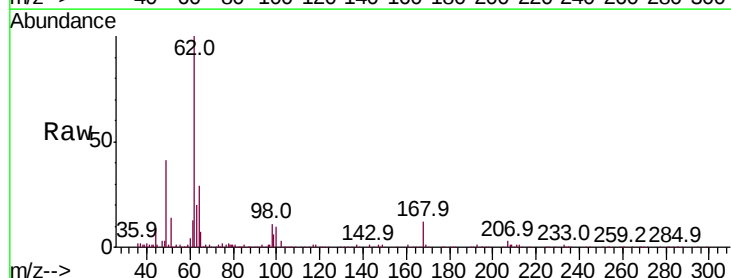
Manual Integrations
APPROVED

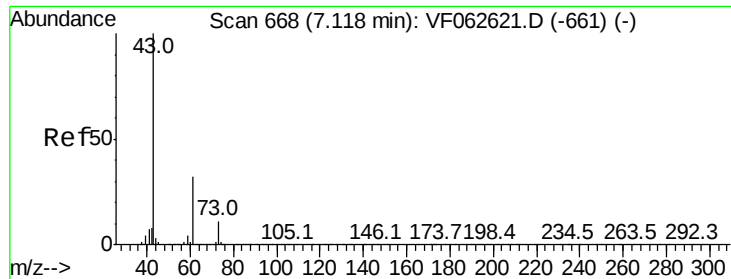
MMDadoda
5/29/2019 11:02:01 AM



#42
1,2-Dichloroethane
Concen: 19.977 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6





#43

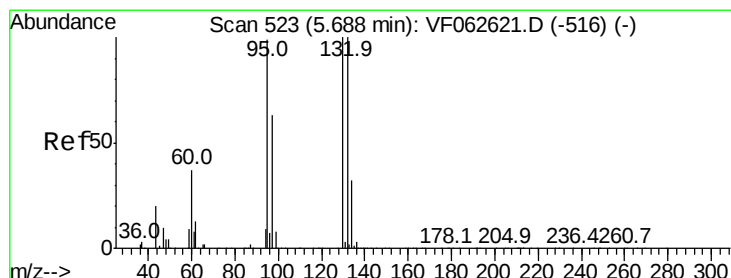
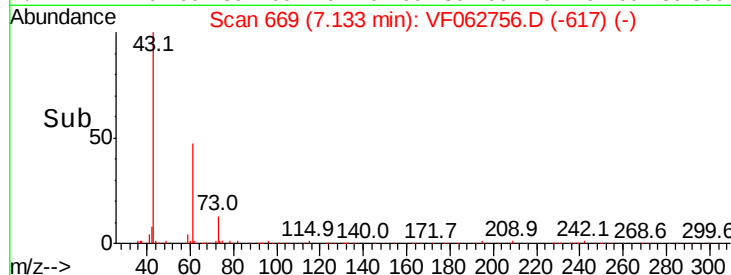
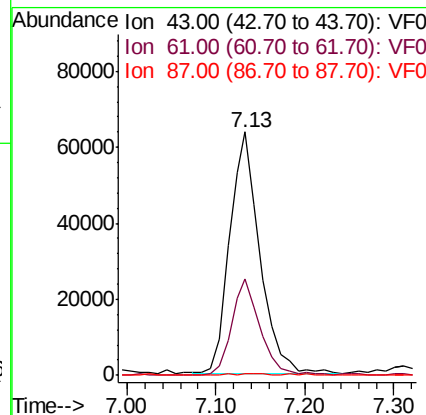
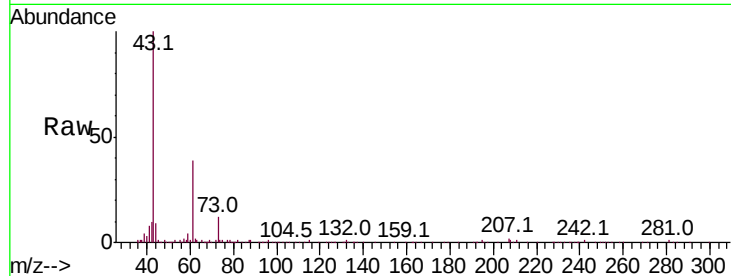
Isopropyl Acetate
 Concen: 19.489 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.4	25.8	38.8#
87	0.8	0.4	0.6#

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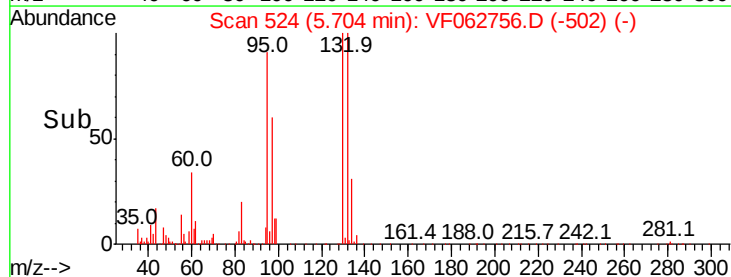
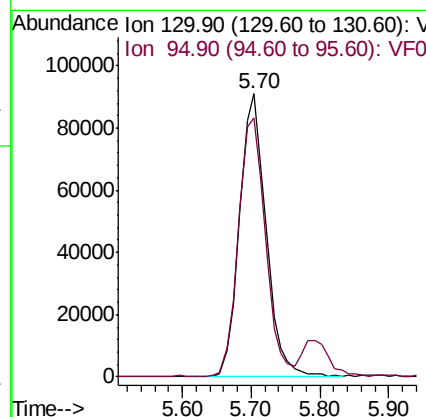
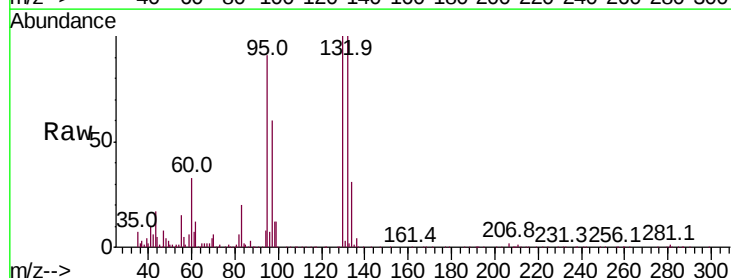
MMDadoda
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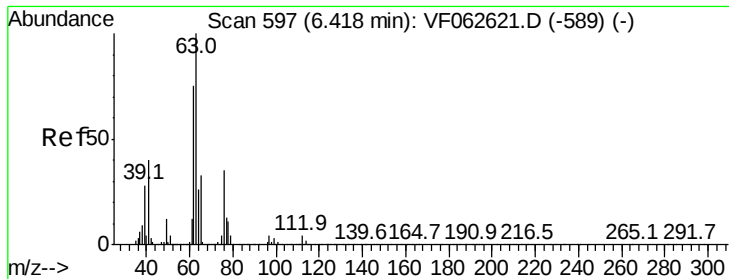


#44

Trichloroethene
 Concen: 21.887 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	199.4





#45

1,2-Dichloropropane

Concen: 20.613 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 63 Resp: 206826

Ion Ratio Lower Upper

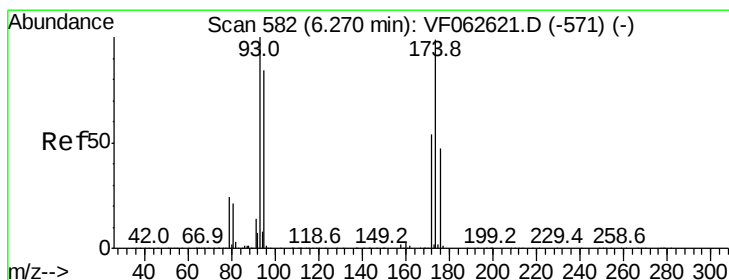
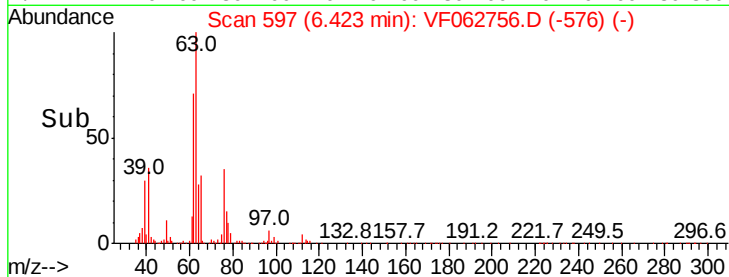
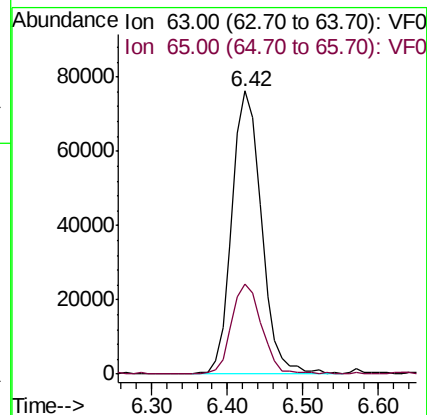
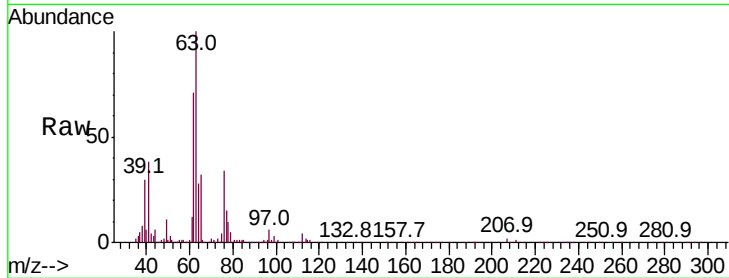
63 100

65 31.8 26.3 39.5

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#46

Dibromomethane

Concen: 21.220 ug/l

RT: 6.28 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

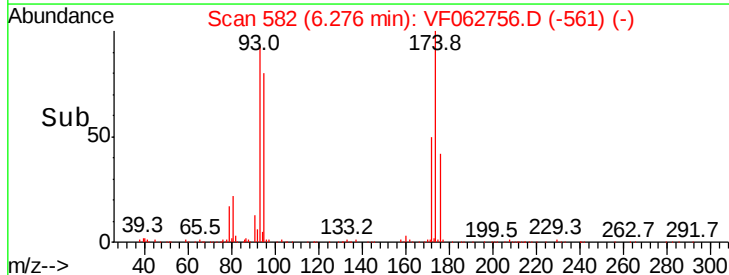
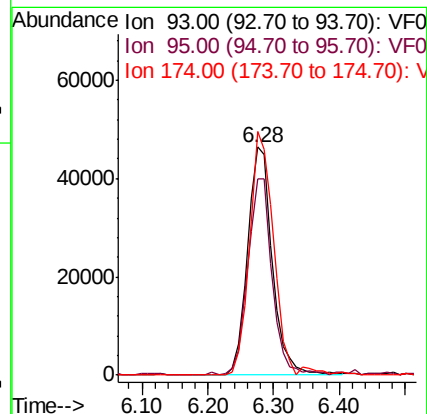
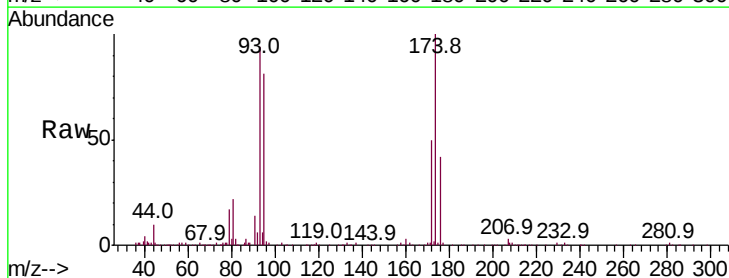
Tgt Ion: 93 Resp: 123050

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

174 106.7 79.4 119.2





#47

Bromodichloromethane

Concen: 20.920 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

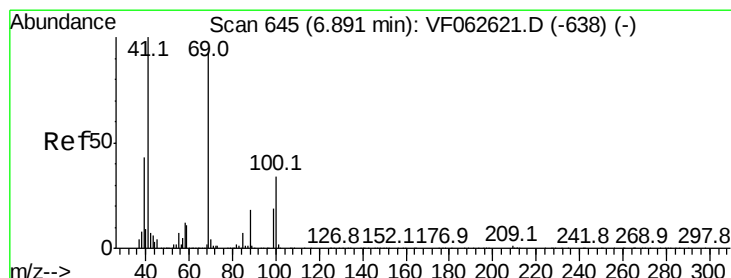
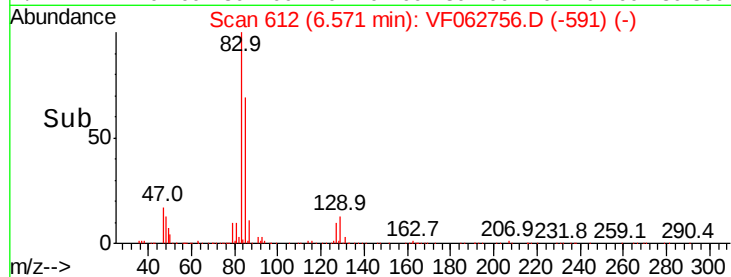
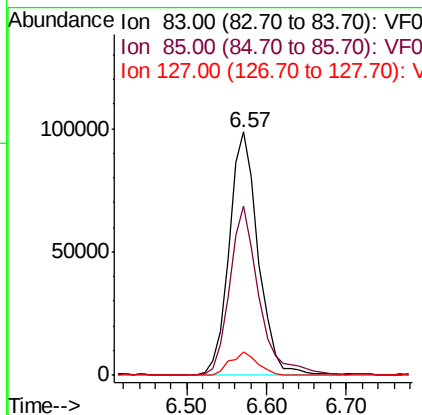
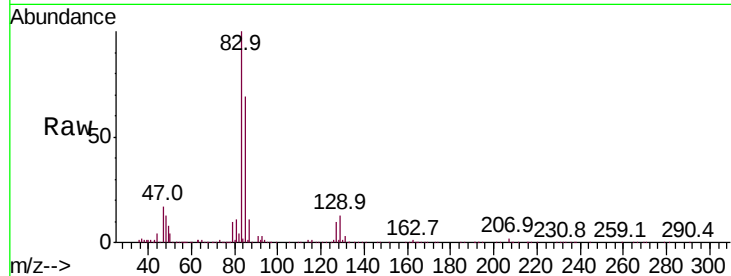
ClientSampleId :

VF0528SBS01

Tot Ion:	83	Resp:	251849
Ion Ratio	Lower	Upper	
83	100		
85	69.5	52.0	78.0
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.841 ug/l

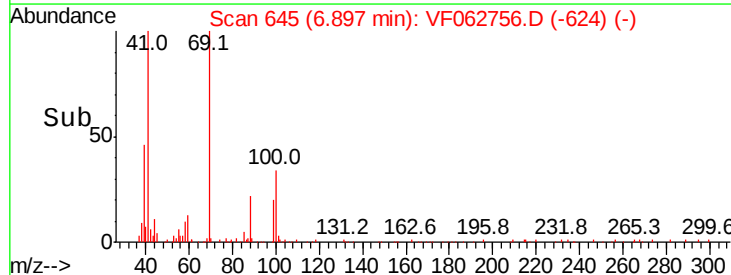
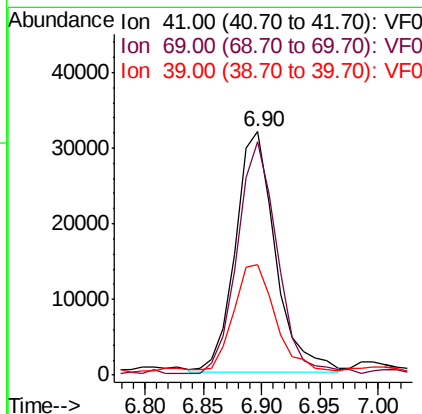
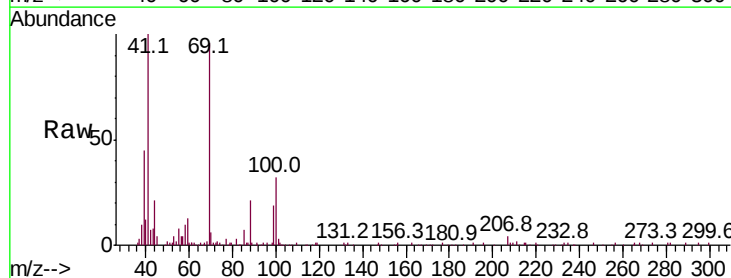
RT: 6.90 min Scan# 645

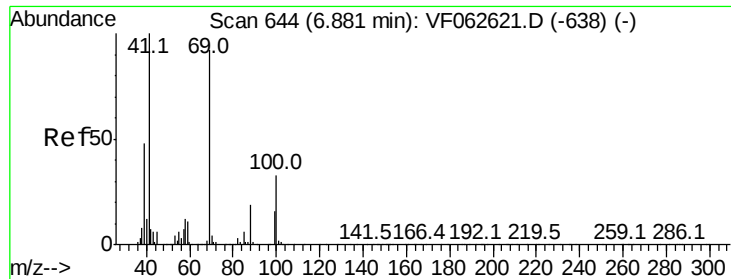
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	41	Resp:	76005
Ion Ratio	Lower	Upper	
41	100		
69	96.0	74.2	111.2
39	45.2	34.2	51.4





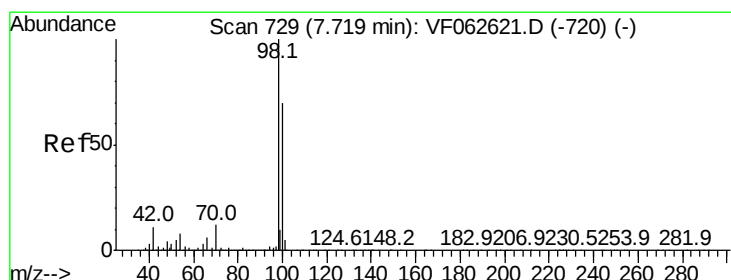
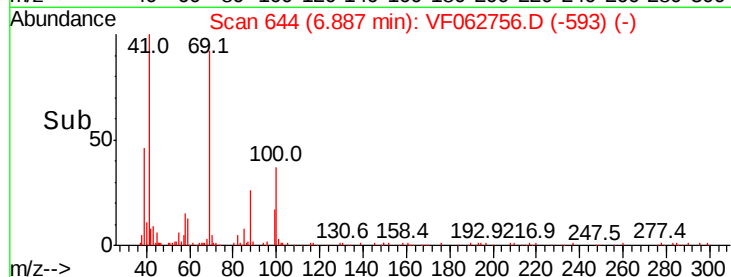
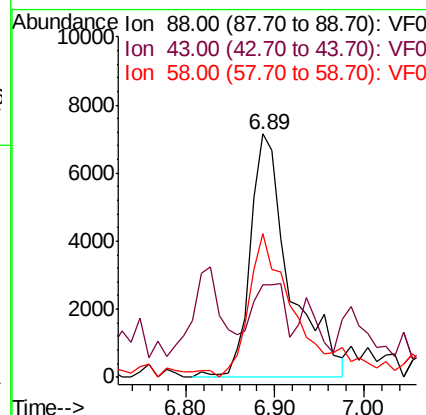
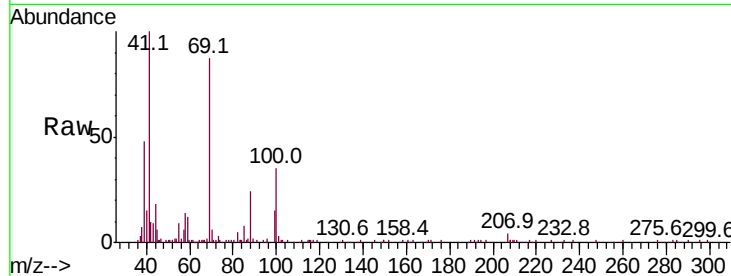
#49
1,4-Dioxane
Concen: 422.045 ug/l
RT: 6.89 min Scan# 644
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	21806		
43	37.8		30.0	45.0
58	58.9		51.1	76.7

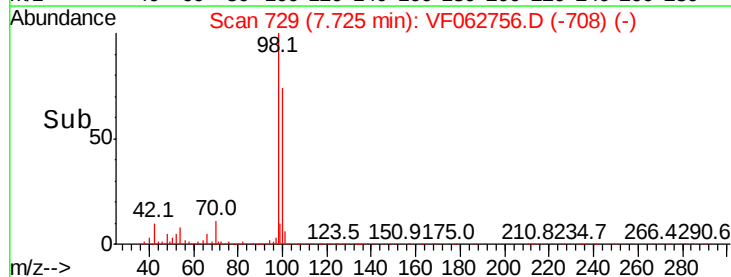
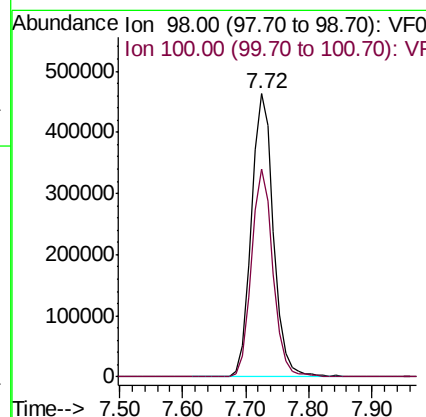
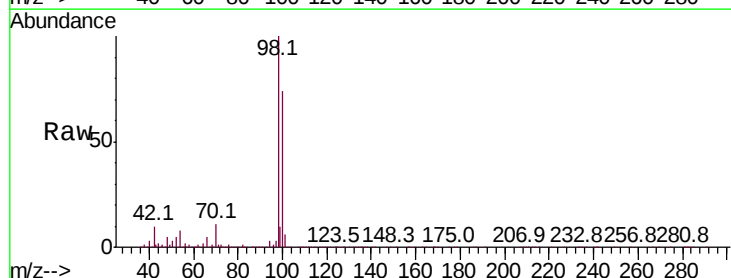
Manual Integrations
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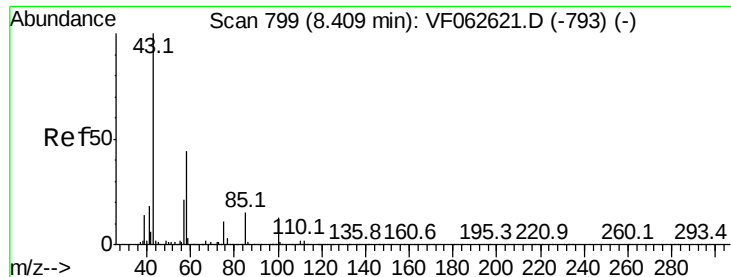
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#50
Toluene-d8
Concen: 43.535 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1132547		
100	73.5		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 102.825 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleID :

VF0528SBS01

Tot Ion: 43 Resp: 542450

Ion Ratio Lower Upper

43 100

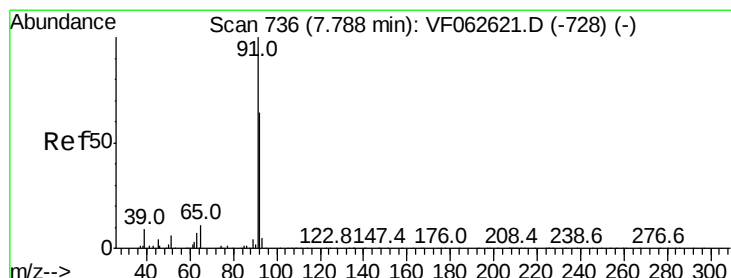
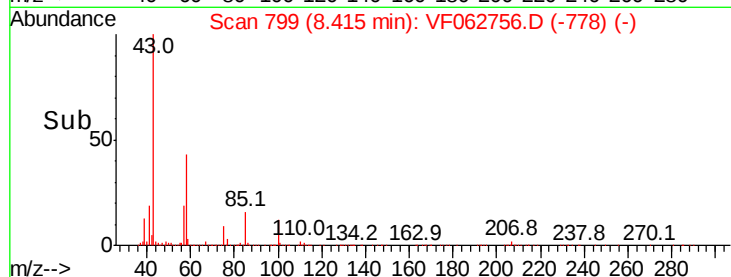
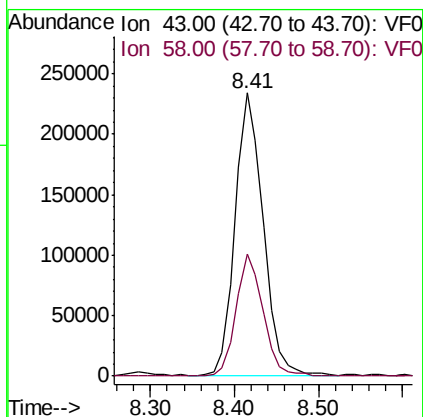
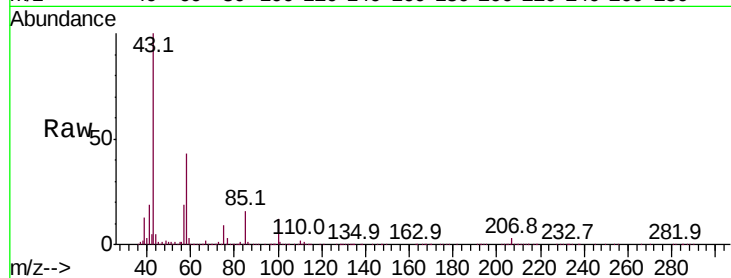
58 43.0 34.9 52.3

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#52

Toluene

Concen: 21.566 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062756.D

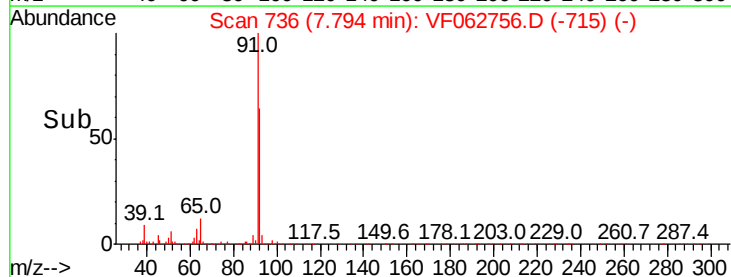
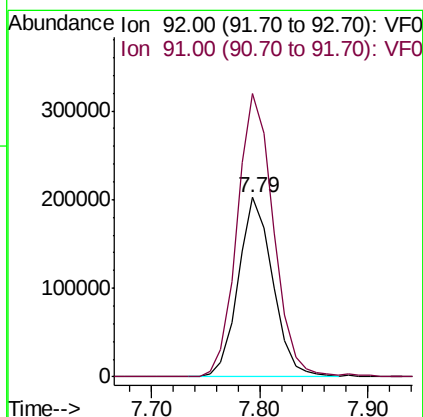
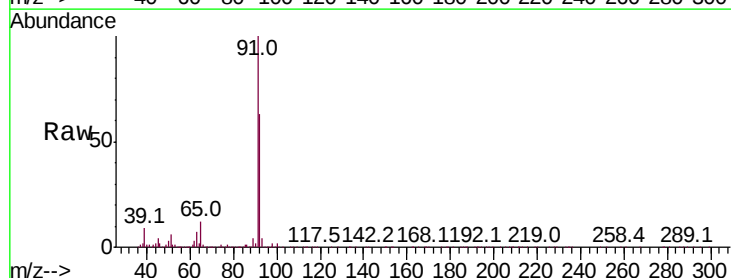
Acq: 28 May 2019 13:05

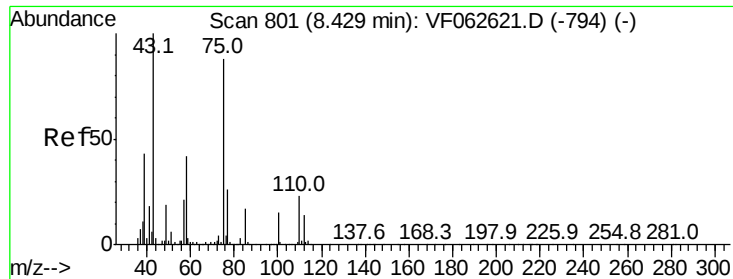
Tgt Ion: 92 Resp: 449561

Ion Ratio Lower Upper

92 100

91 157.9 125.4 188.0





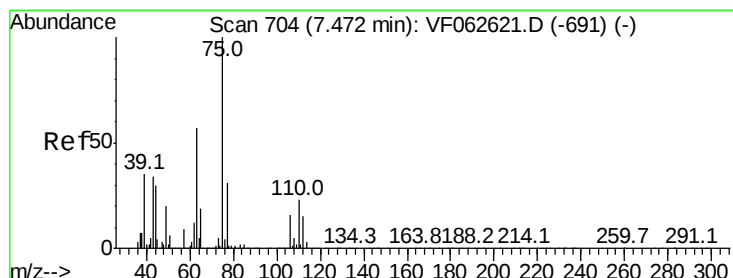
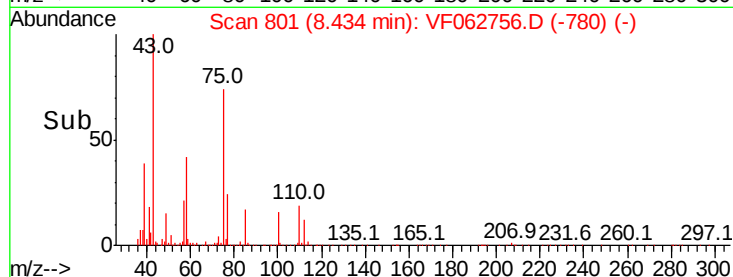
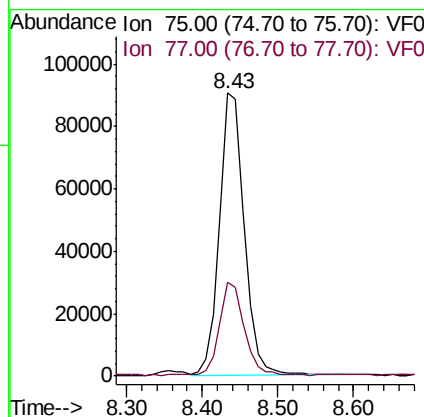
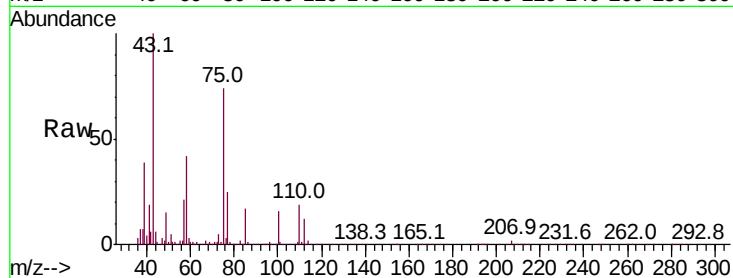
#53
t-1,3-Dichloropropene
Concen: 21.134 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.2	36.4

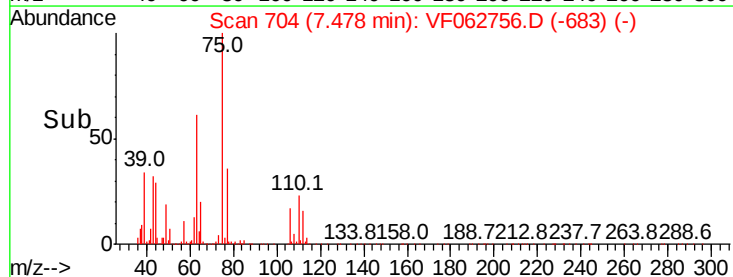
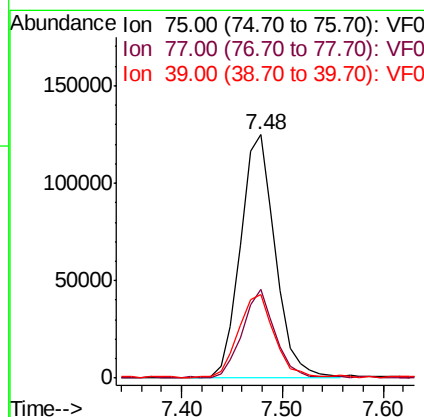
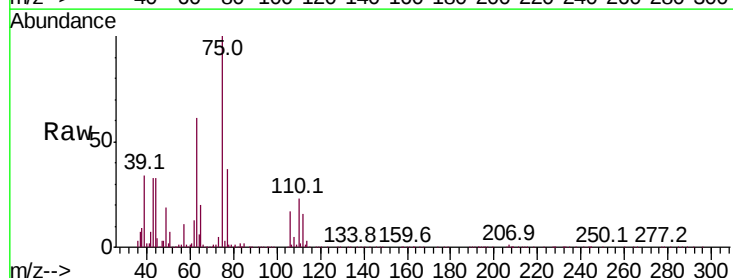
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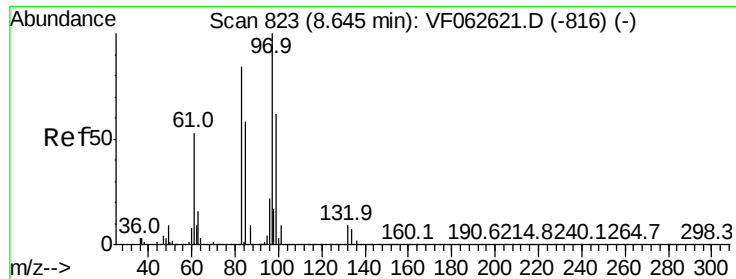
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#54
cis-1,3-Dichloropropene
Concen: 21.741 ug/l
RT: 7.48 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.3	37.9
39	34.4	28.2	42.2





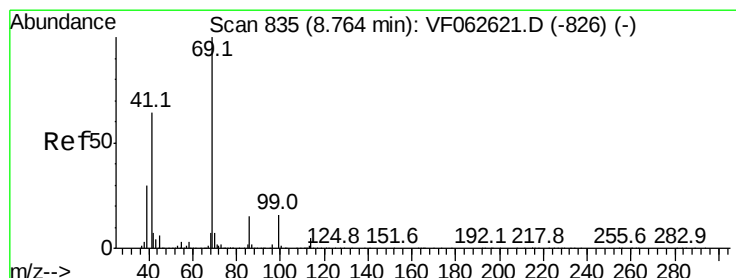
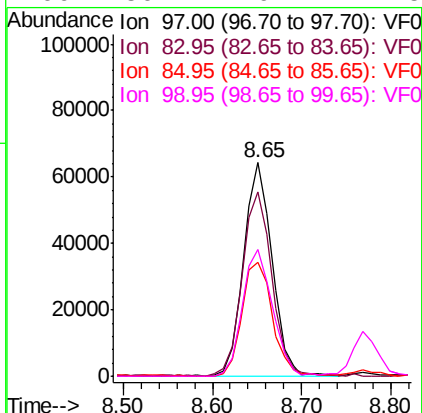
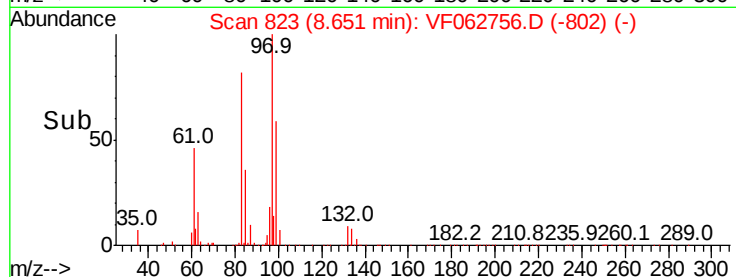
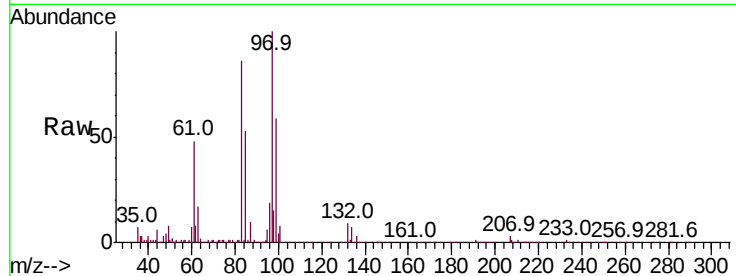
#55
 1,1,2-Trichloroethane
 Concen: 22.982 ug/l
 RT: 8.65 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	141846		
83	86.1	67.3	100.9	
85	53.4	46.6	69.8	
99	59.2	49.7	74.5	

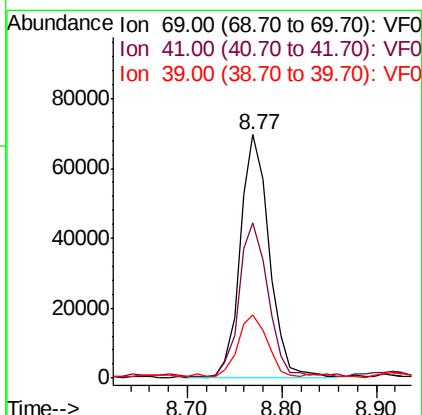
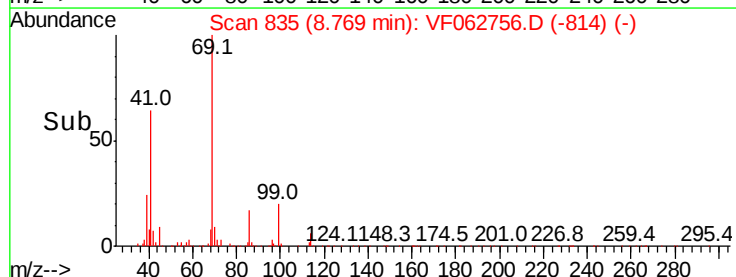
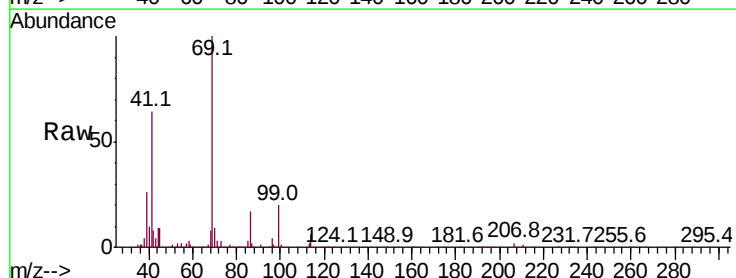
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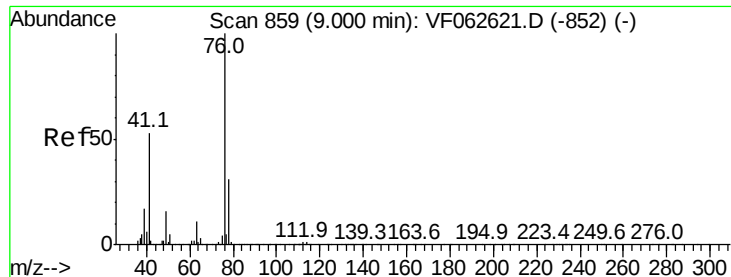
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#56
 Ethyl methacrylate
 Concen: 20.114 ug/l
 RT: 8.77 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	147907		
41	63.9	51.4	77.2	
39	25.7	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 21.866 ug/l

RT: 9.01 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062756.D

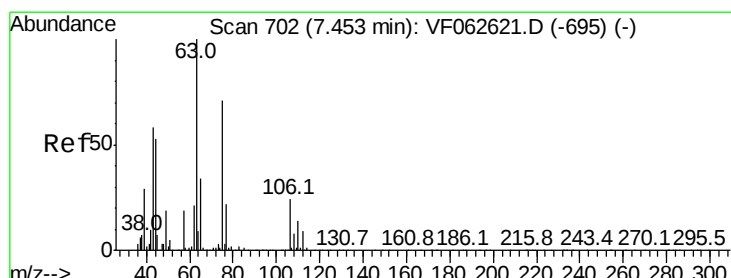
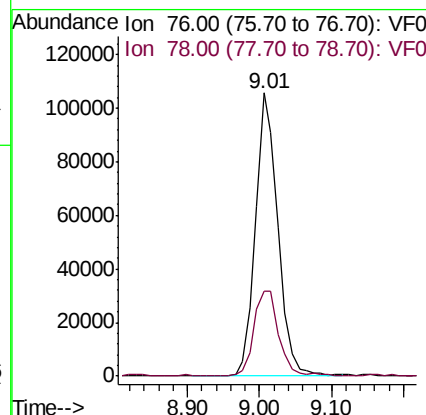
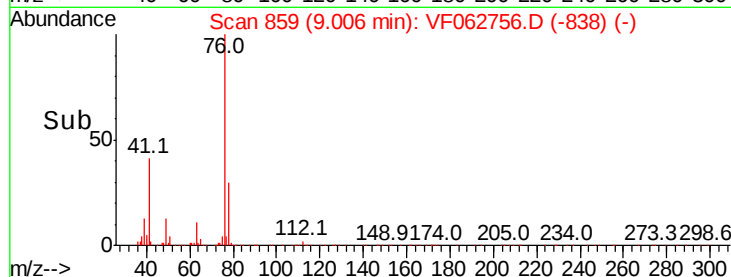
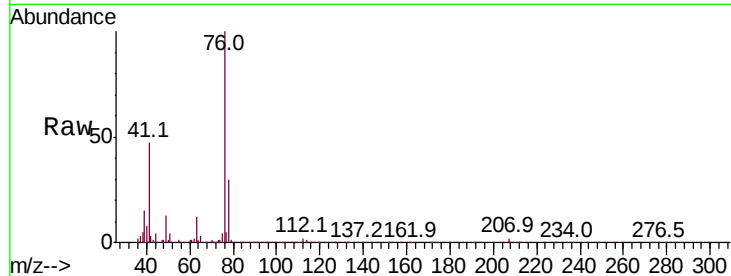
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.2	25.4	38.0

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5/29/2019 11:02:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.990 ug/l

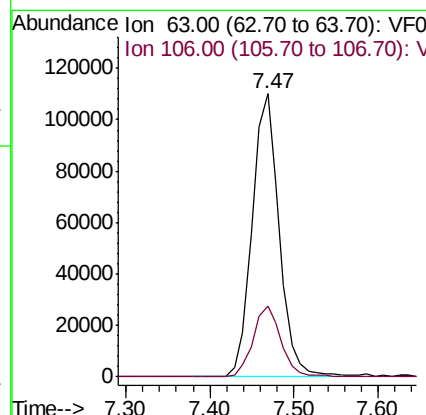
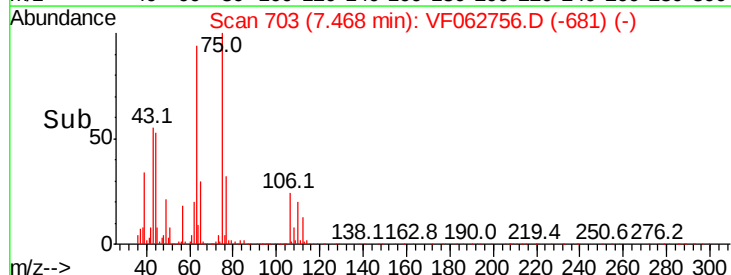
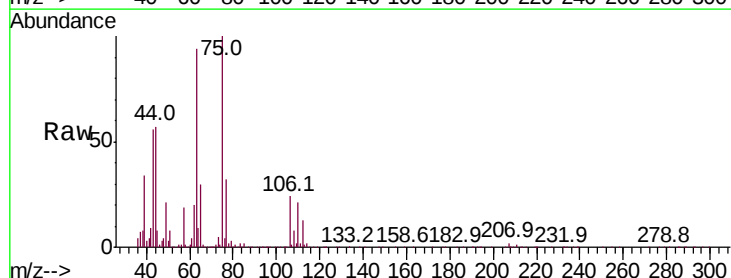
RT: 7.47 min Scan# 703

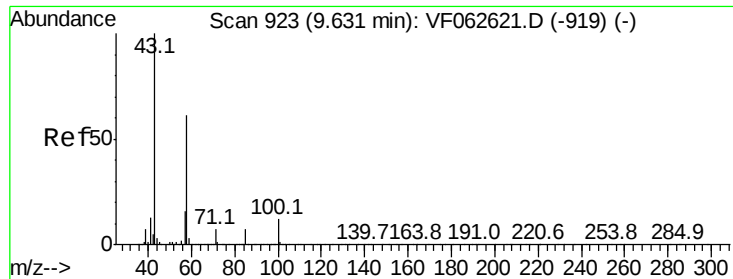
Delta R.T. 0.02 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	19.1	28.7





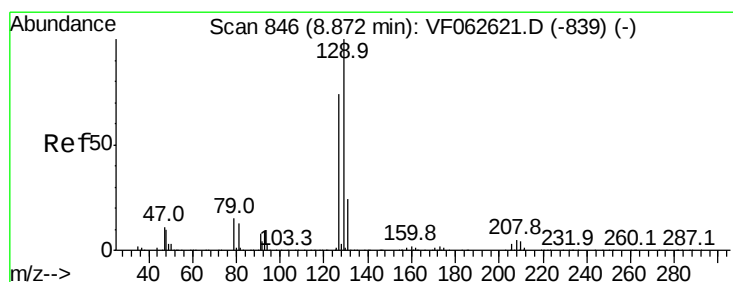
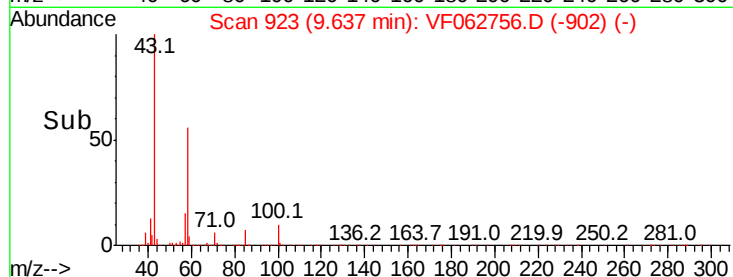
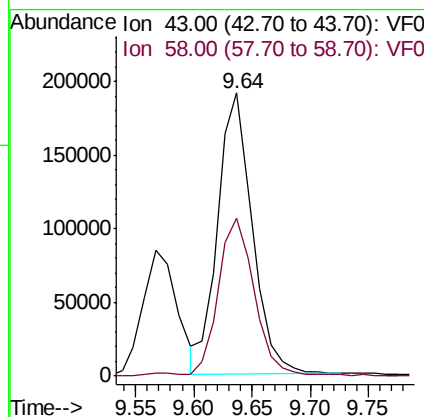
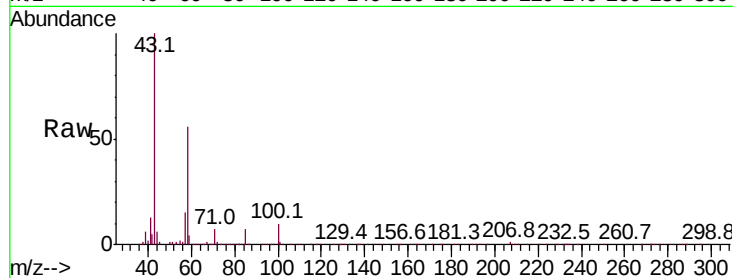
#59
2-Hexanone
Concen: 104.437 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 43 Resp: 394084
Ion Ratio Lower Upper
43 100
58 55.7 28.1 84.4

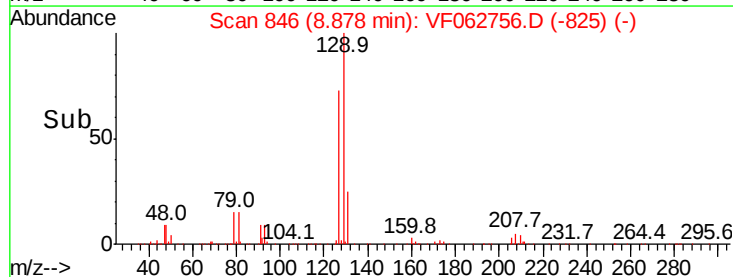
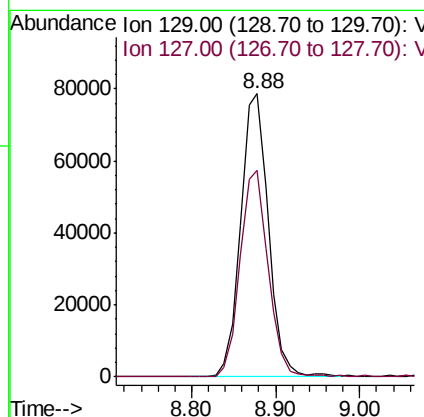
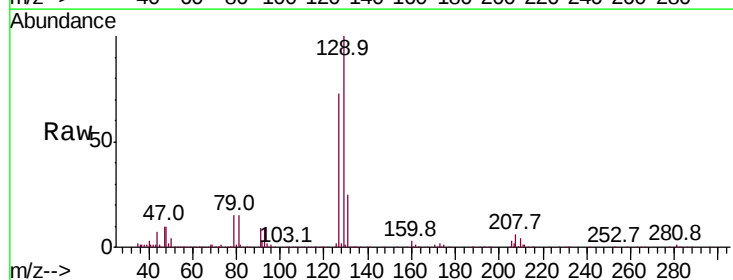
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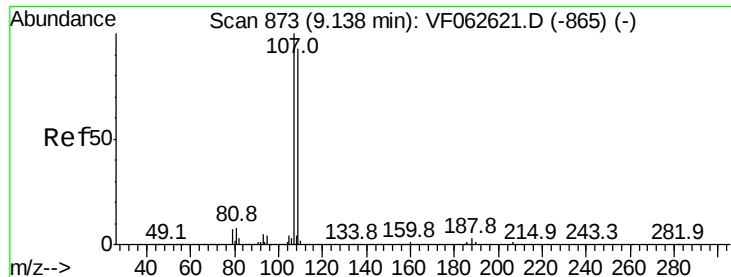
MMDadoda
5/29/2019 11:02:01 AM



#60
Dibromochloromethane
Concen: 22.487 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion: 129 Resp: 180892
Ion Ratio Lower Upper
129 100
127 73.0 37.2 111.6





#61

1,2-Dibromoethane

Concen: 21.975 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:107 Resp: 144064

Ion Ratio Lower Upper

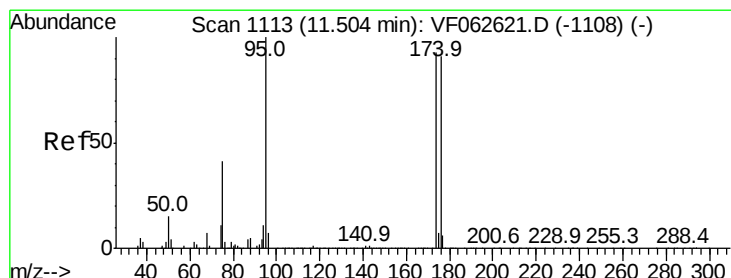
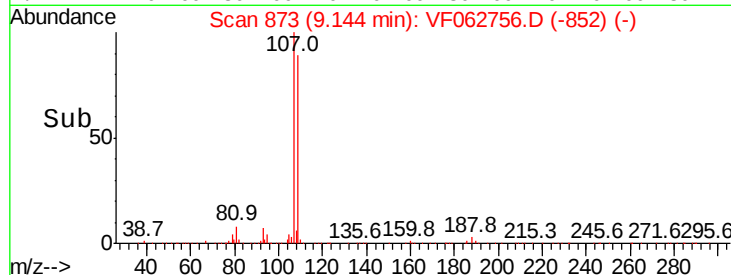
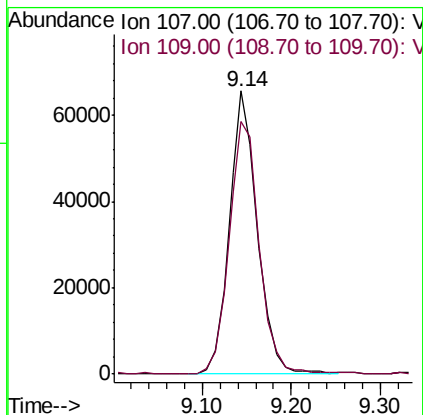
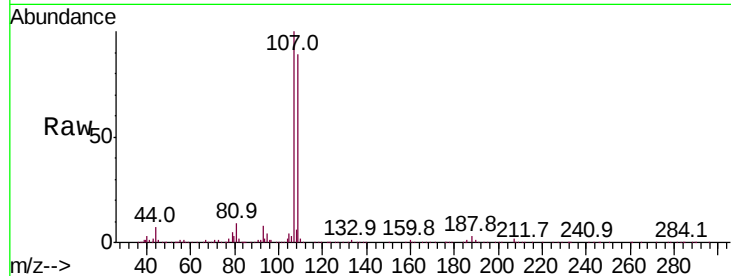
107 100

109 89.5 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 43.565 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

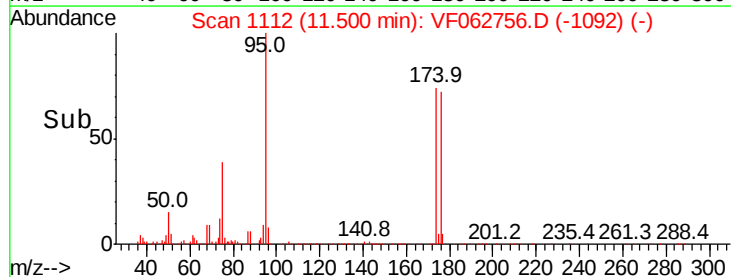
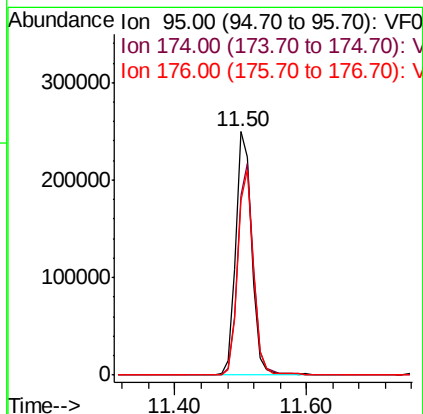
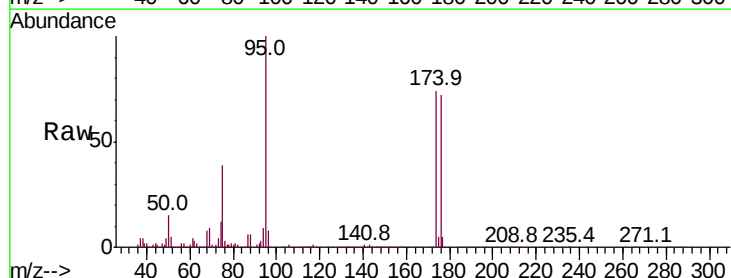
Tgt Ion: 95 Resp: 429832

Ion Ratio Lower Upper

95 100

174 73.6 0.0 185.6

176 71.6 0.0 182.4





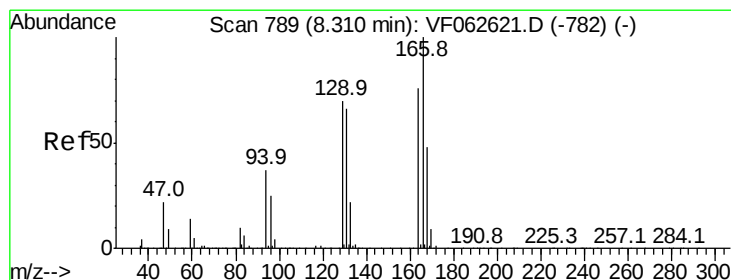
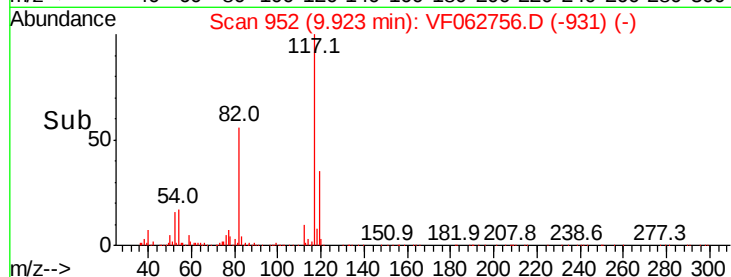
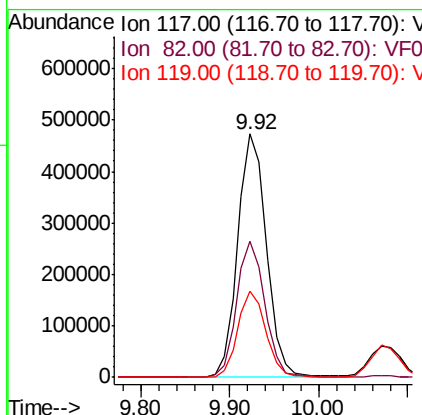
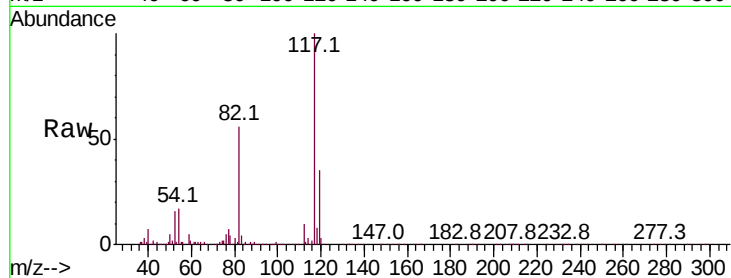
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	35.3	27.4	41.0

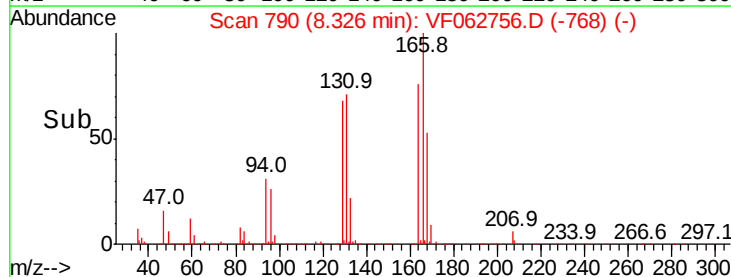
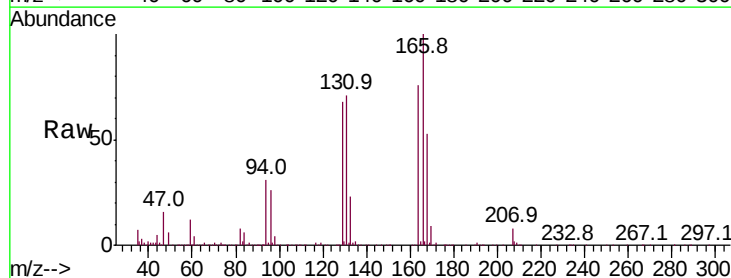
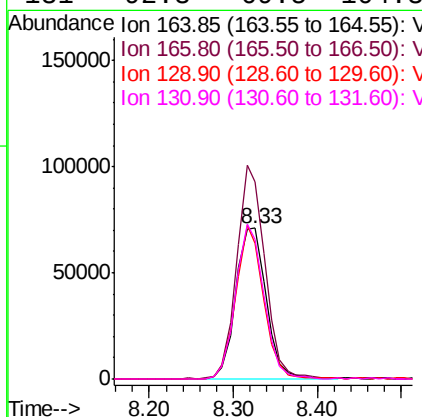
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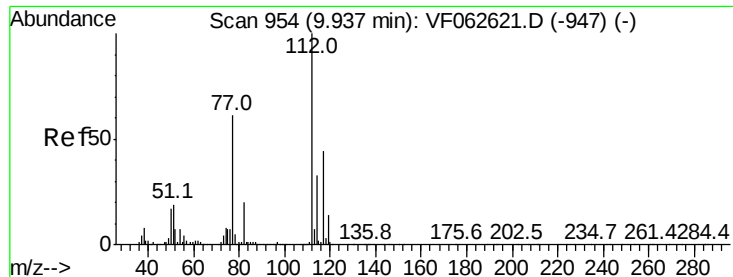
MMDadoda
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#64
Tetrachloroethene
Concen: 21.311 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	105.5	158.3
129	89.5	73.8	110.6
131	92.3	69.5	104.3





#65

Chlorobenzene

Concen: 21.860 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:112 Resp: 457581

Ion Ratio Lower Upper

112 100

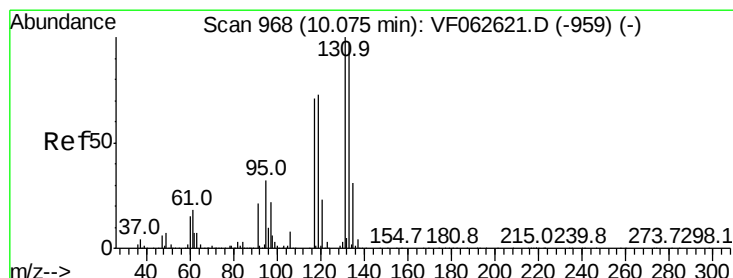
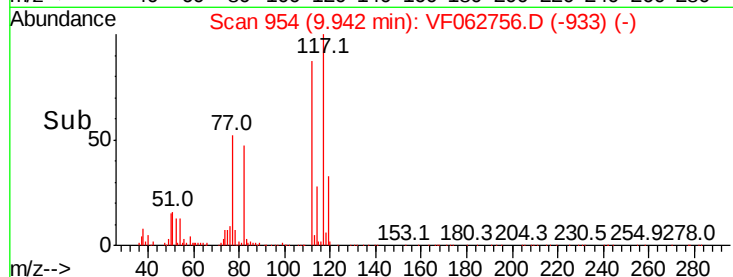
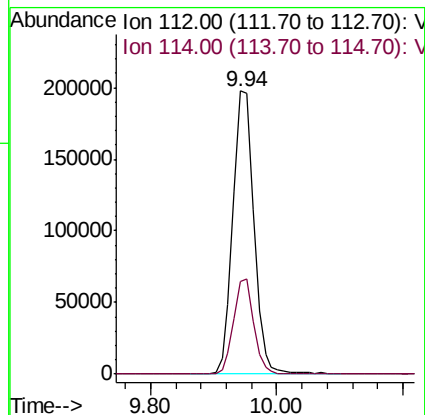
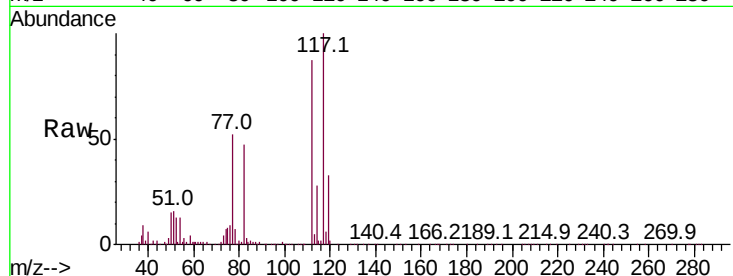
114 32.5 26.8 40.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.361 ug/l

RT: 10.07 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

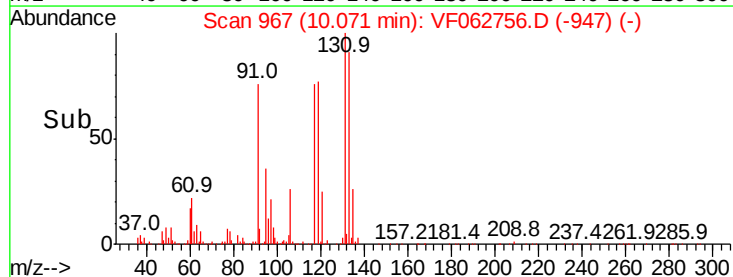
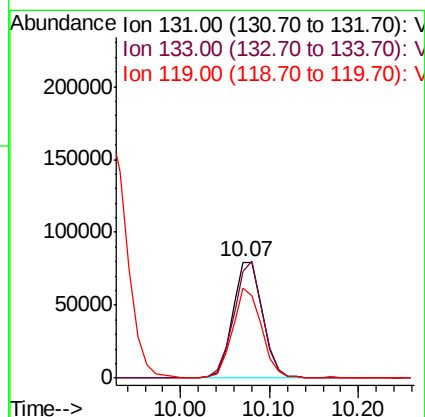
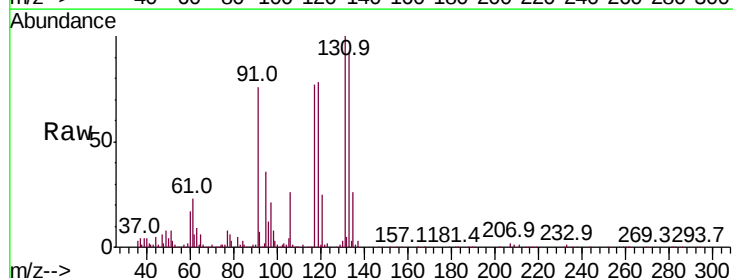
Tgt Ion:131 Resp: 187905

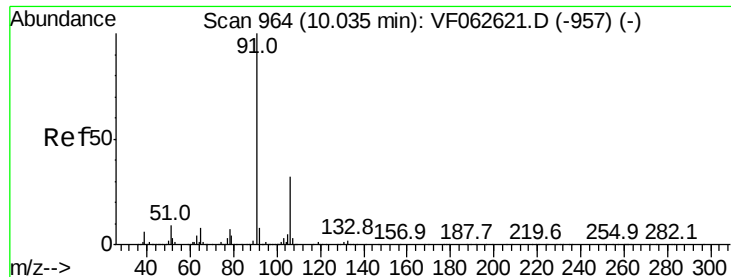
Ion Ratio Lower Upper

131 100

133 91.6 48.5 145.5

119 77.7 36.8 110.4





#67

Ethyl Benzene

Concen: 22.642 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 91 Resp: 823361

Ion Ratio Lower Upper

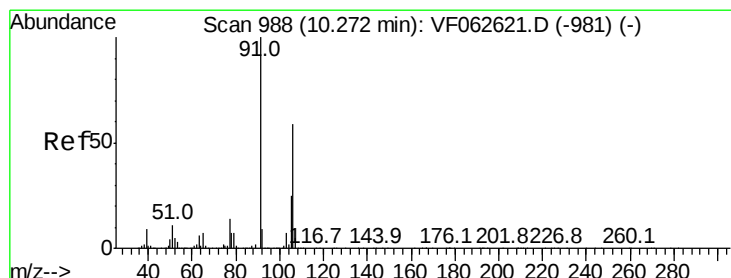
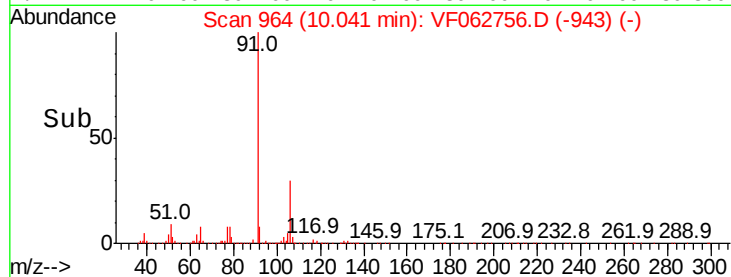
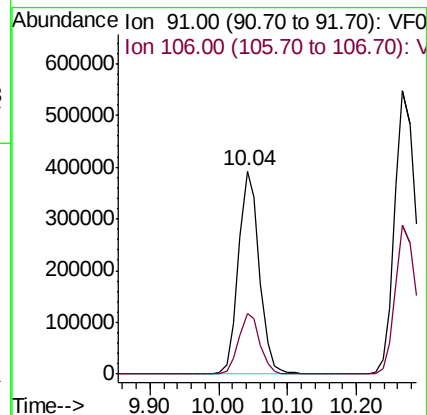
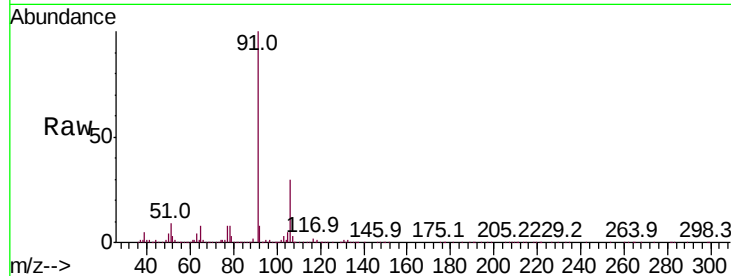
91 100

106 30.1 25.8 38.8

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#68

m/p-Xylenes

Concen: 44.251 ug/l

RT: 10.27 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062756.D

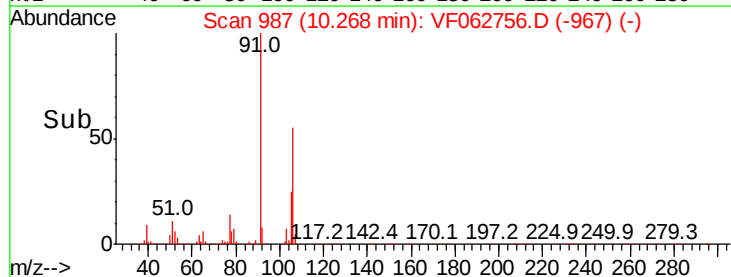
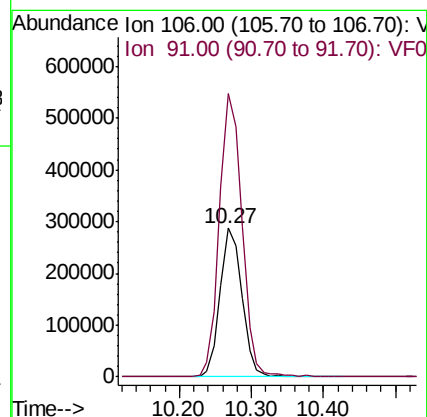
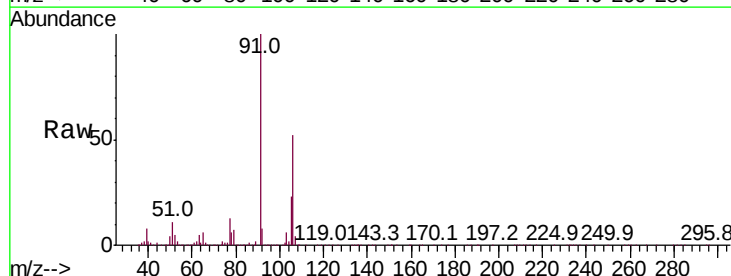
Acq: 28 May 2019 13:05

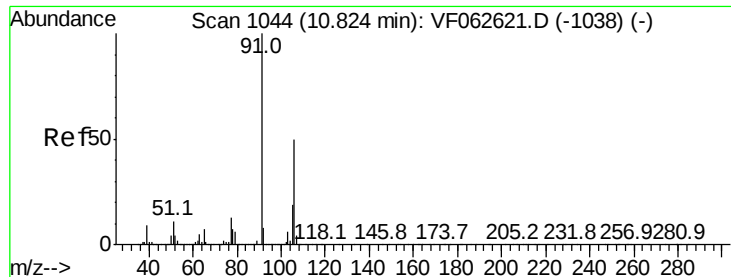
Tgt Ion: 106 Resp: 604777

Ion Ratio Lower Upper

106 100

91 190.7 136.9 205.3





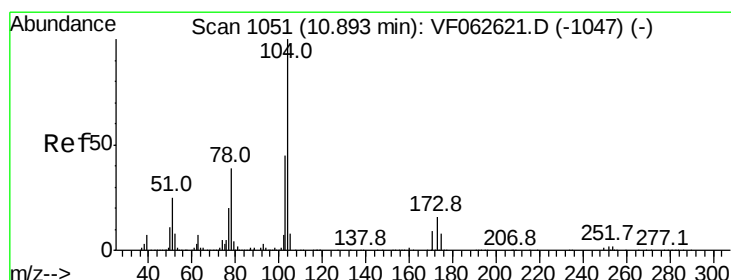
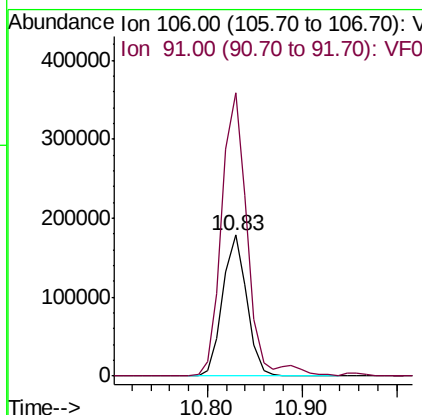
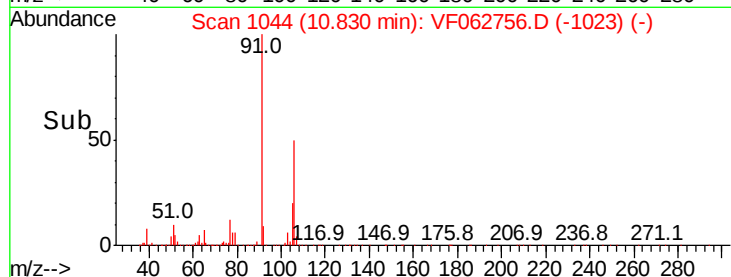
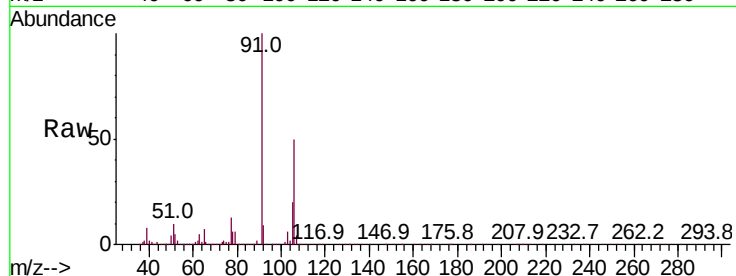
#69
o-Xylene
Concen: 22.413 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.9	100.2	300.5

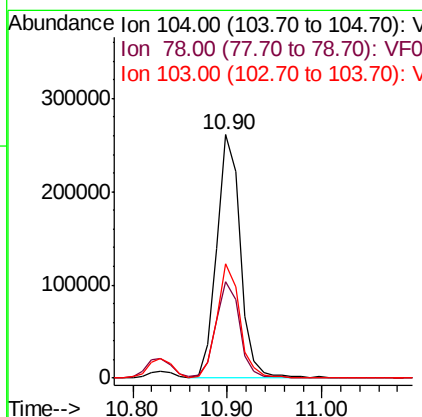
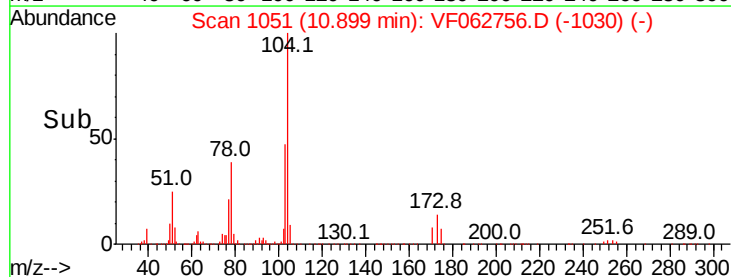
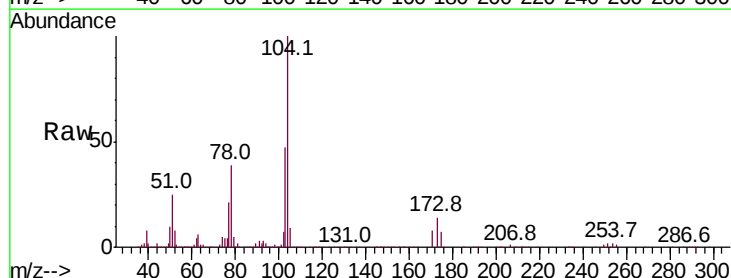
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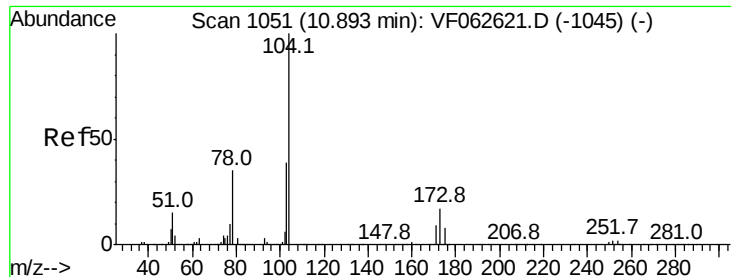
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#70
Styrene
Concen: 20.954 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.4	31.9	47.9
103	46.9	36.1	54.1





#71

Bromoform

Concen: 22.668 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

Tot Ion:173 Resp: 95400

Ion Ratio Lower Upper

173 100

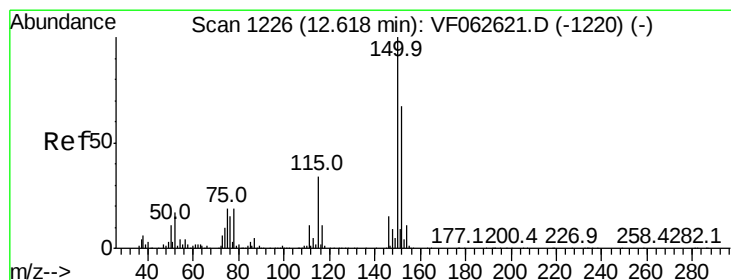
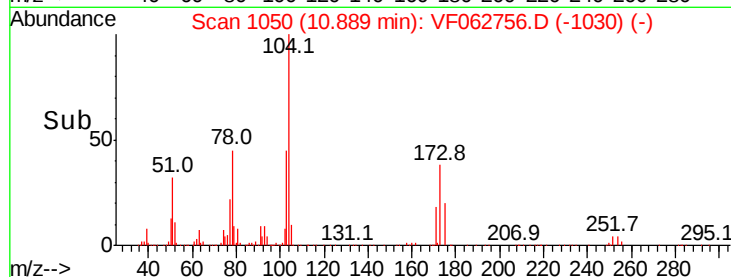
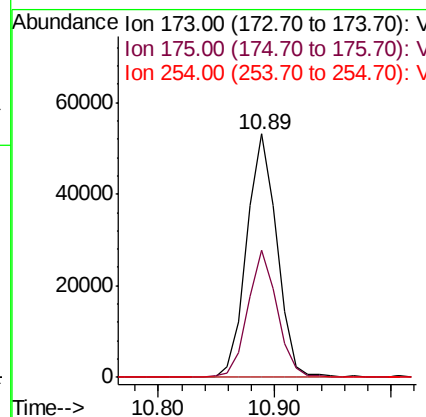
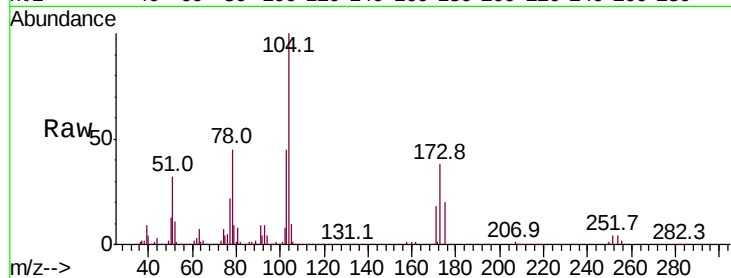
175 52.2 25.3 75.9

254 0.0 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

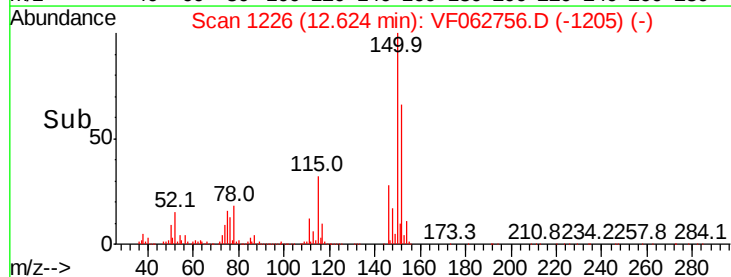
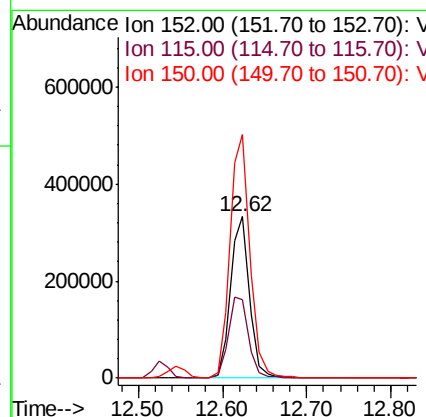
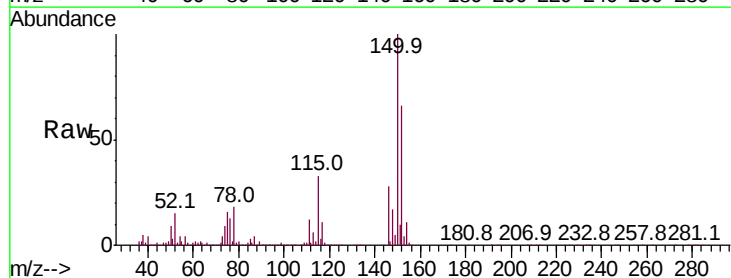
Tgt Ion:152 Resp: 521040

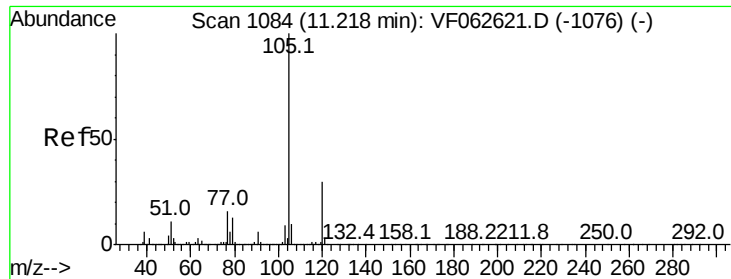
Ion Ratio Lower Upper

152 100

115 49.0 25.2 75.6

150 150.7 0.0 306.2





#73

Isopropylbenzene

Concen: 21.980 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 105 Resp: 820831

Ion Ratio Lower Upper

105 100

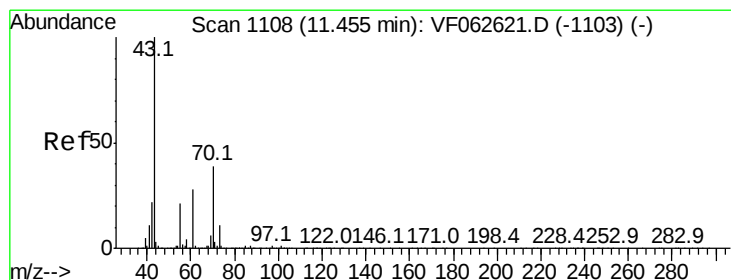
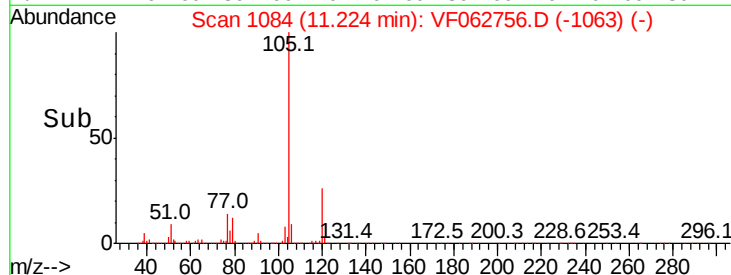
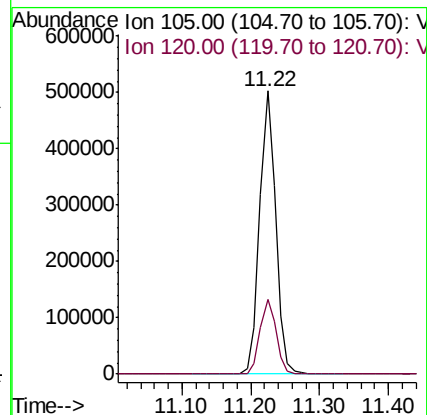
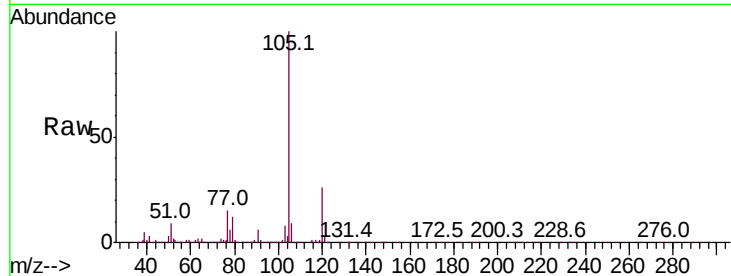
120 26.2 14.8 44.4

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#74

N-ethyl acetate

Concen: 21.562 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 234036

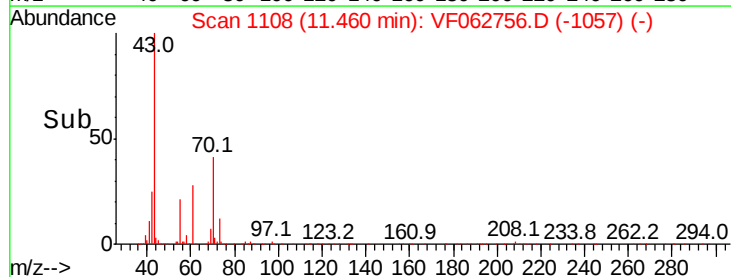
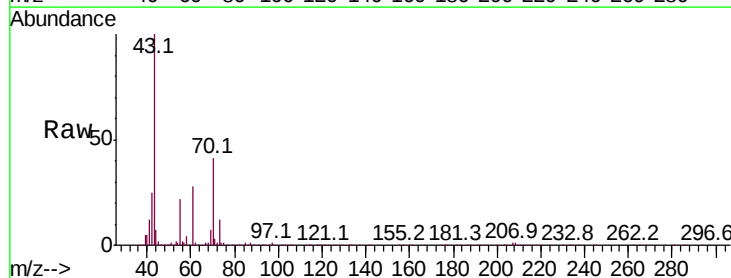
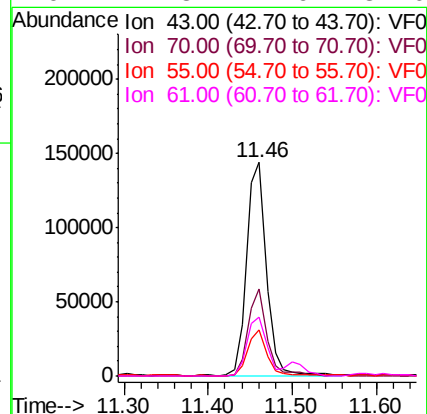
Ion Ratio Lower Upper

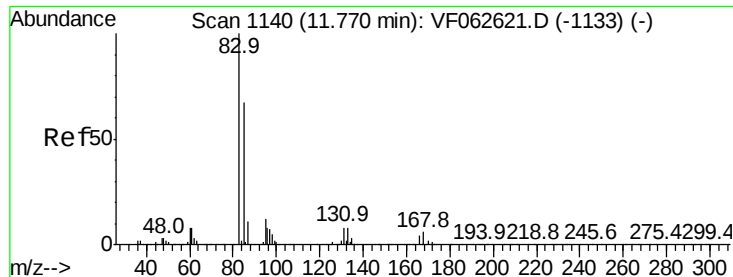
43 100

70 40.9 30.9 46.3

55 21.5 17.0 25.4

61 27.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.984 ug/l

RT: 11.78 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

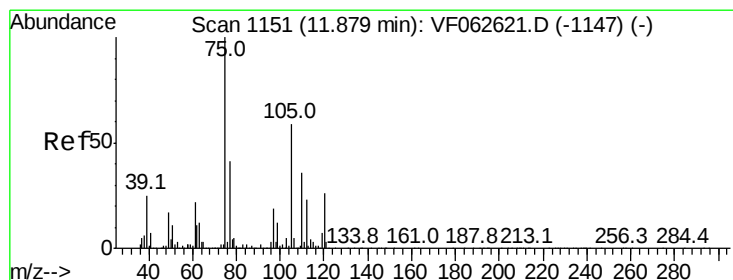
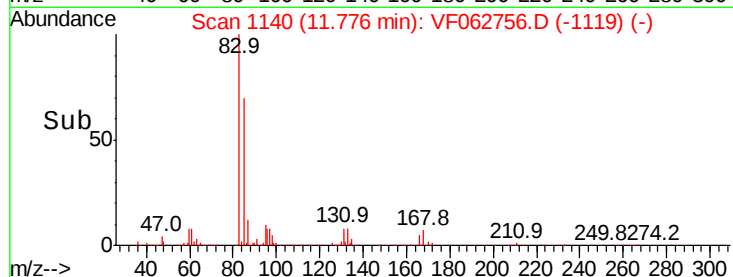
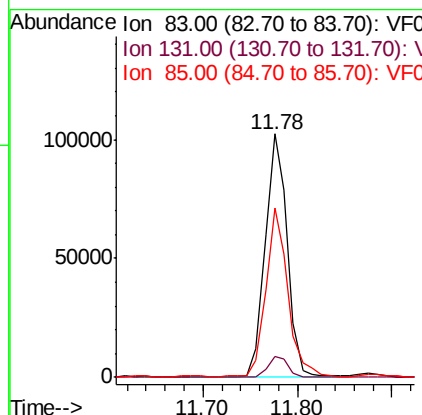
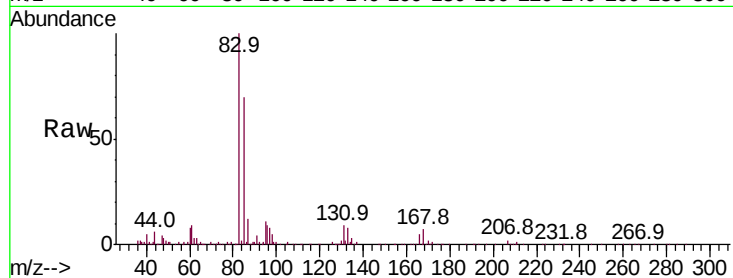
ClientSampleId :

VF0528SBS01

Tot Ion:	83	Resp:	167774
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.0	12.0
85	69.8	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 22.349 ug/l

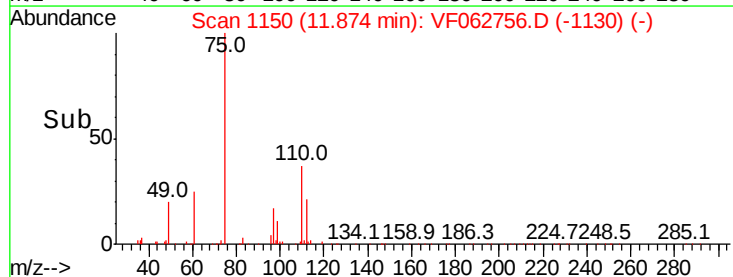
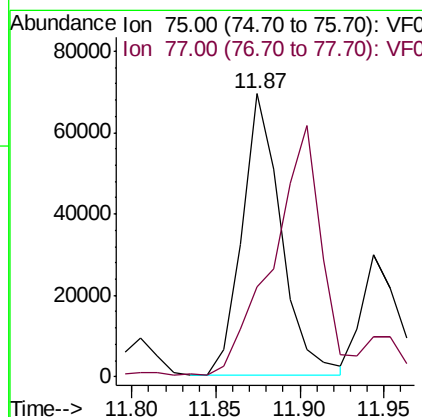
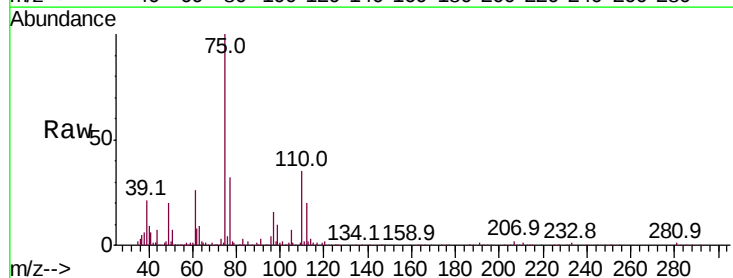
RT: 11.87 min Scan# 1150

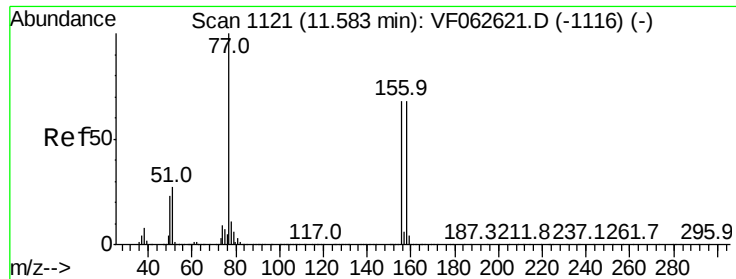
Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	75	Resp:	112070
Ion Ratio	Lower	Upper	
75	100		
77	31.8	20.6	61.8





#77

Bromobenzene

Concen: 21.211 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

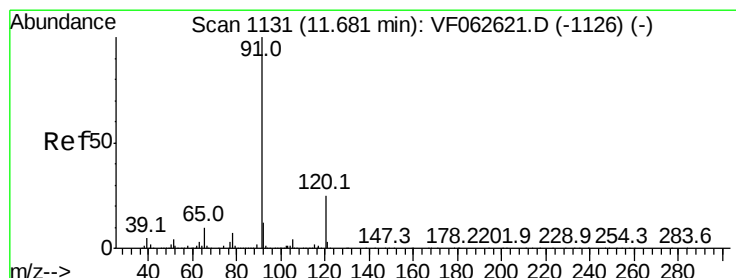
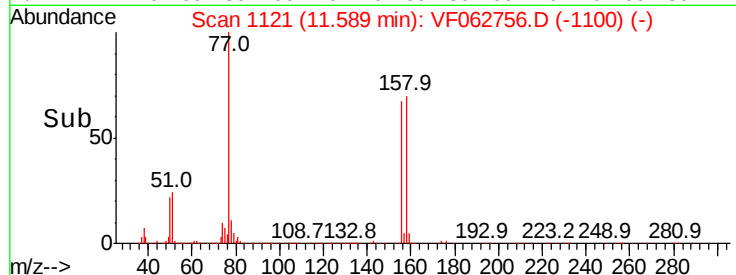
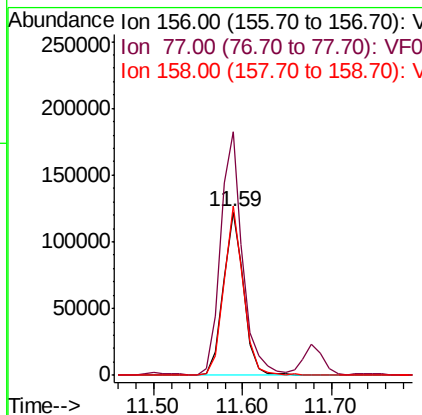
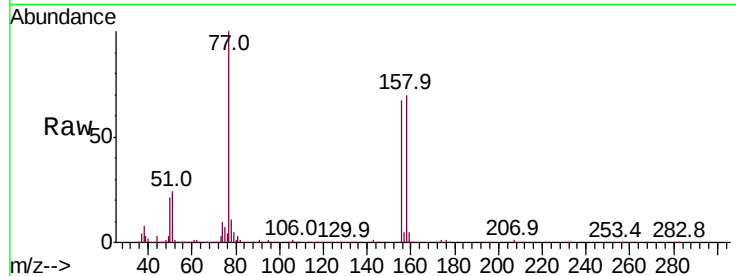
ClientSampleId :

VF0528SBSD01

Tot Ion:	156	Resp:	196890
Ion Ratio	Lower	Upper	
156	100		
77	149.0	73.6	220.8
158	103.7	49.6	148.8

Manual Integrations
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5/29/2019 11:02:01 AM



#78

n-propylbenzene

Concen: 22.368 ug/l

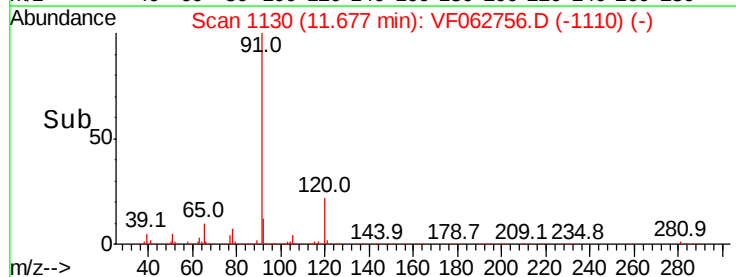
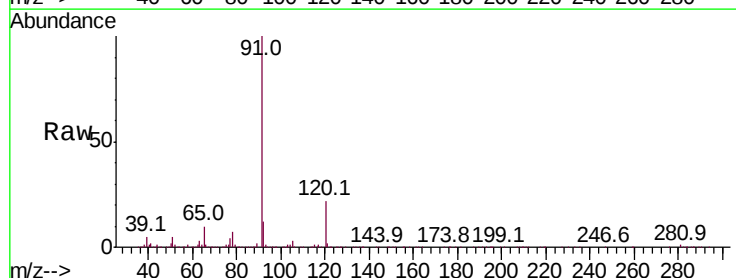
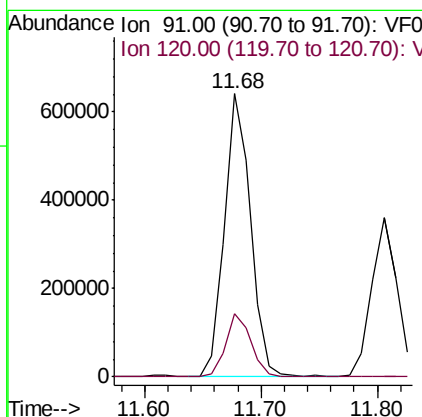
RT: 11.68 min Scan# 1130

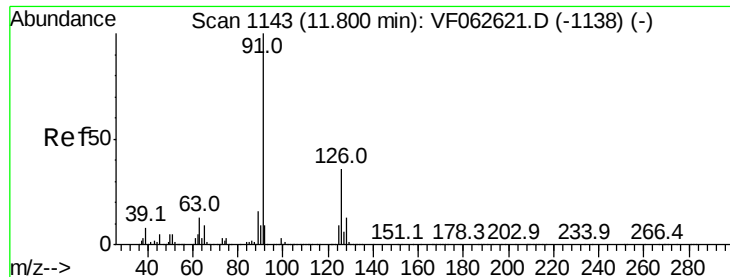
Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	91	Resp:	988575
Ion Ratio	Lower	Upper	
91	100		
120	22.3	12.7	38.1





#79

2-Chlorotoluene

Concen: 21.936 ug/l

RT: 11.81 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBSD01

Tot Ion: 91 Resp: 546356

Ion Ratio Lower Upper

91 100

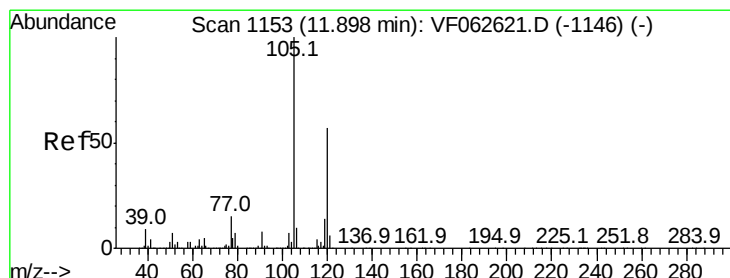
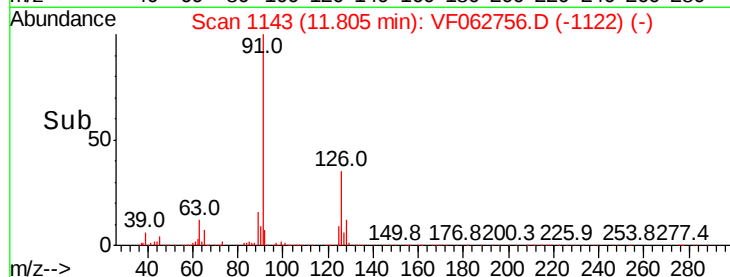
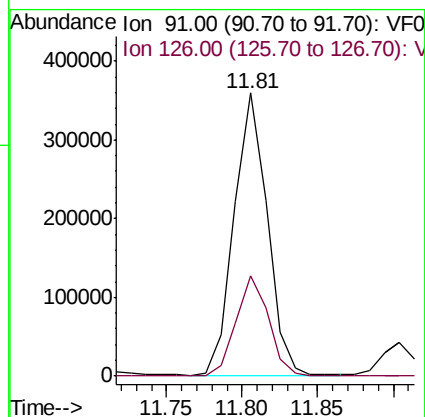
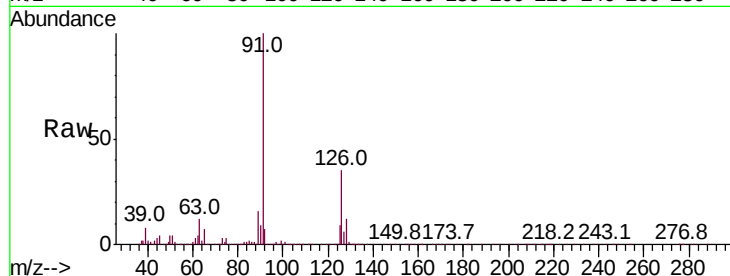
126 35.4 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.962 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062756.D

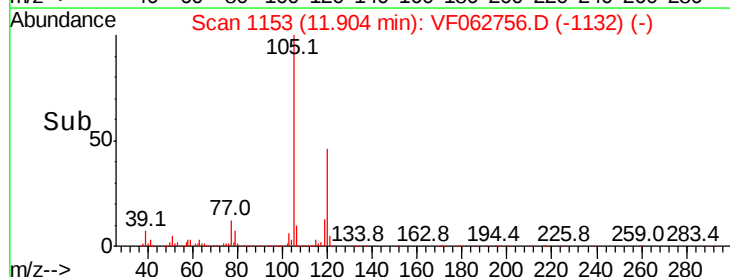
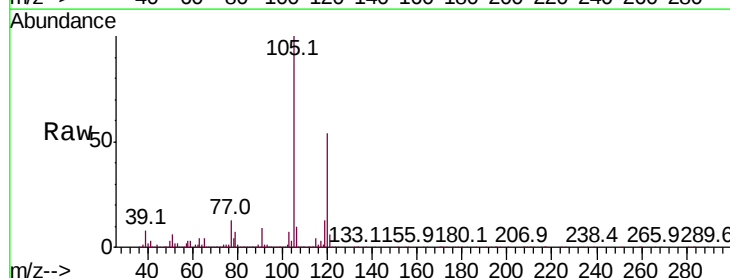
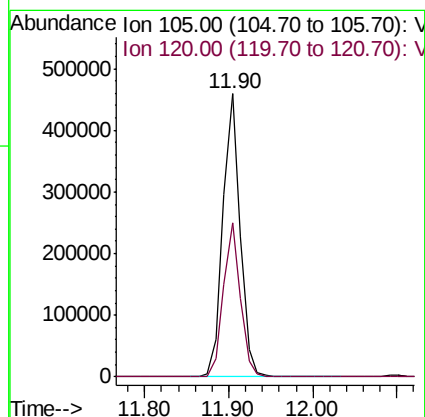
Acq: 28 May 2019 13:05

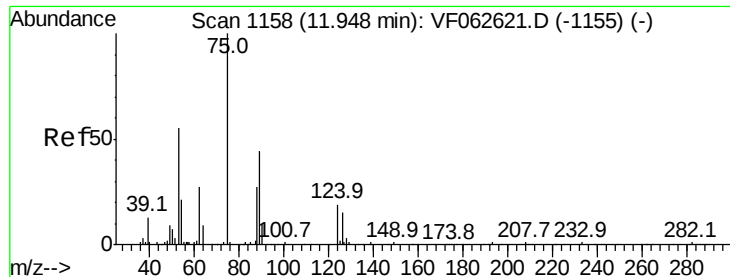
Tgt Ion: 105 Resp: 657639

Ion Ratio Lower Upper

105 100

120 54.3 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.437 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

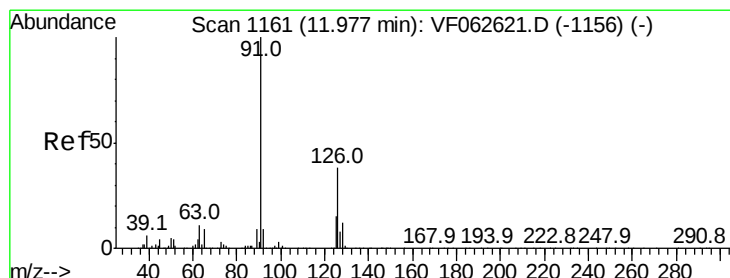
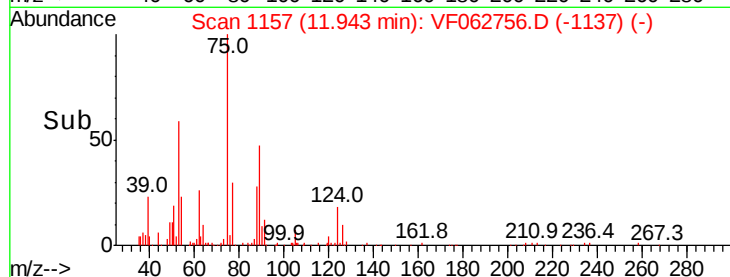
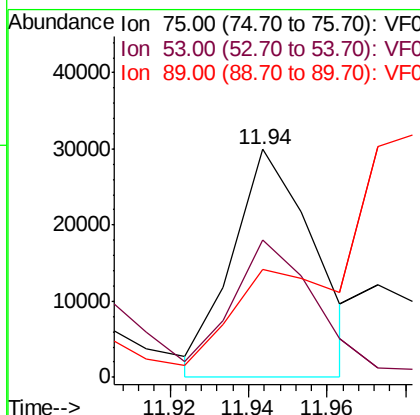
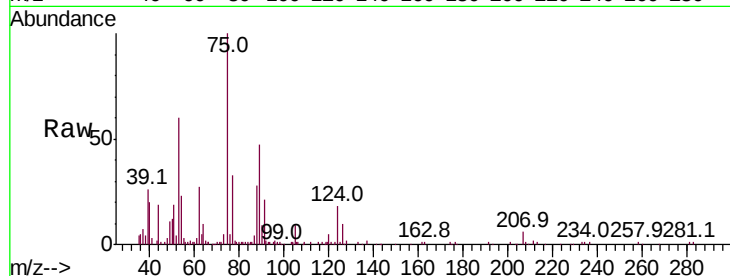
ClientSampleId :

VF0528SBSD01

Tot Ion:	75	Resp:	43325
Ion	Ratio	Lower	Upper
75	100		
53	60.2	46.9	70.3
89	47.3	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.920 ug/l

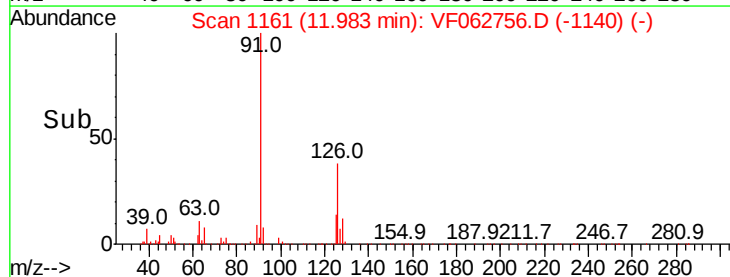
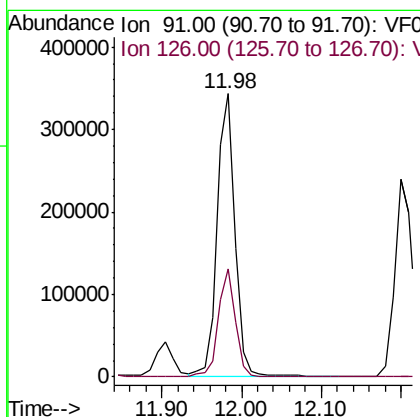
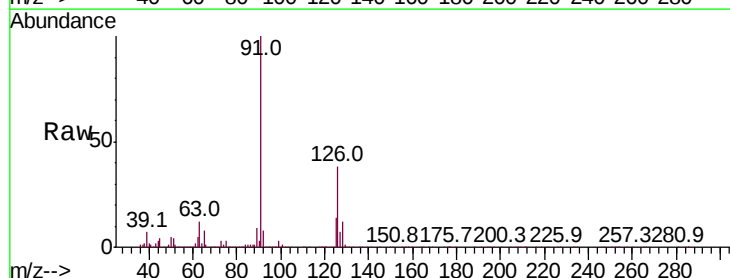
RT: 11.98 min Scan# 1161

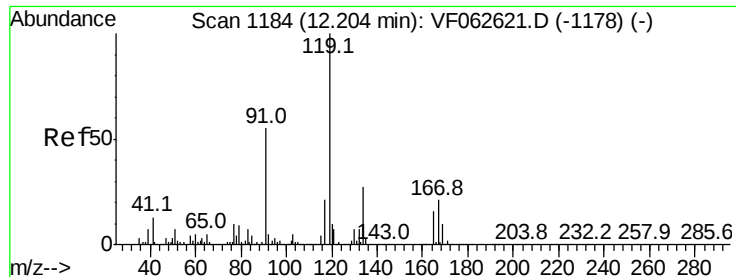
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	91	Resp:	538378
Ion	Ratio	Lower	Upper
91	100		
126	38.0	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.388 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

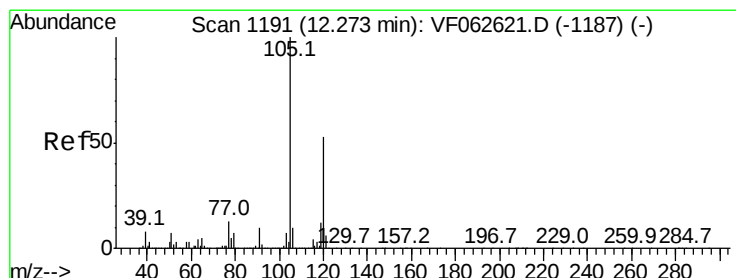
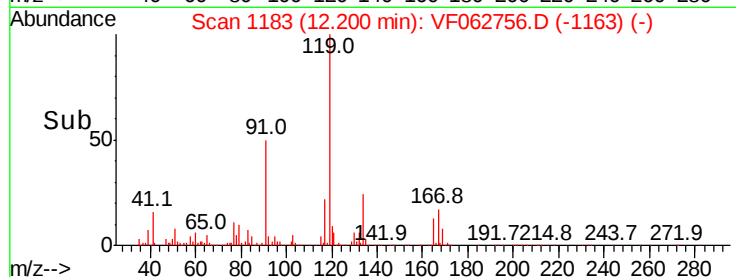
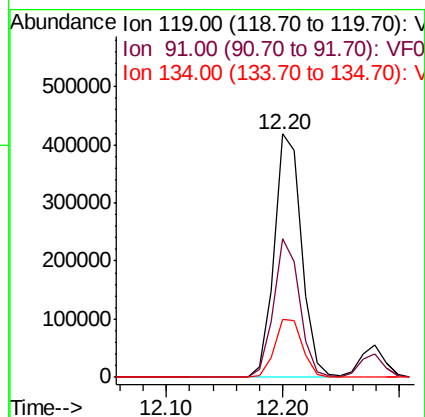
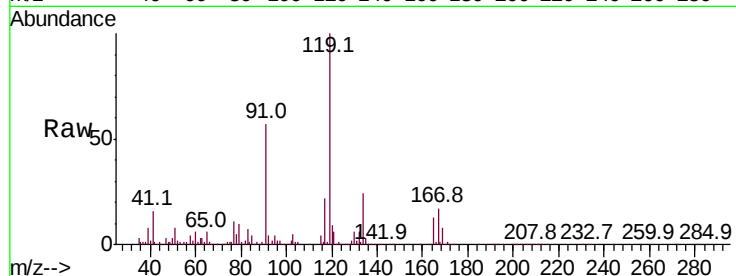
ClientSampleId :

VF0528SBS01

Tot Ion:	119	Resp:	680154
Ion Ratio	Lower	Upper	
119	100		
91	57.0	27.3	81.9
134	23.7	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.007 ug/l

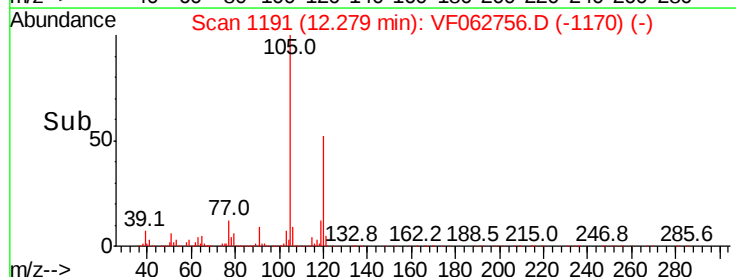
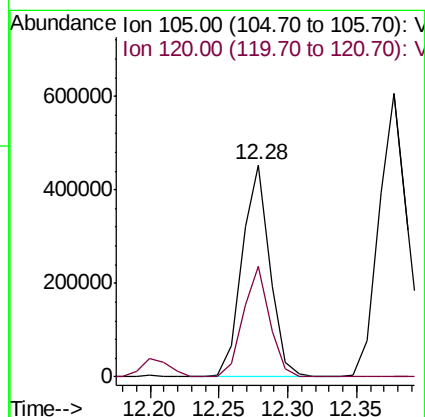
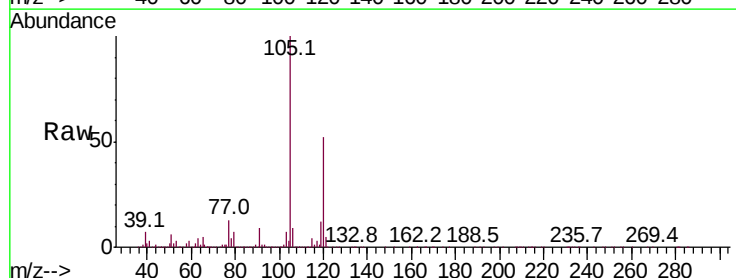
RT: 12.28 min Scan# 1191

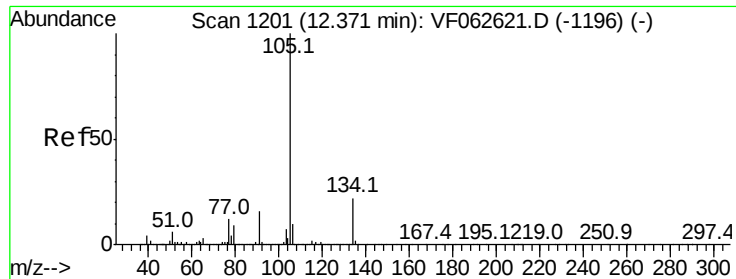
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	105	Resp:	637809
Ion Ratio	Lower	Upper	
105	100		
120	52.4	26.7	80.1





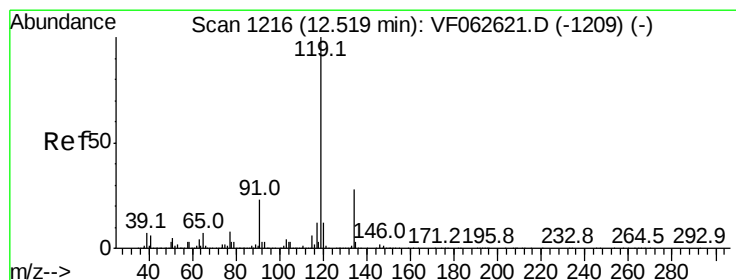
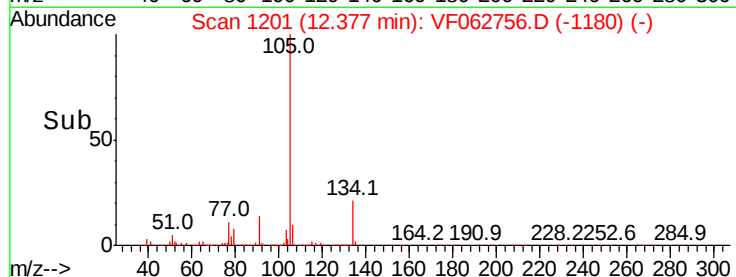
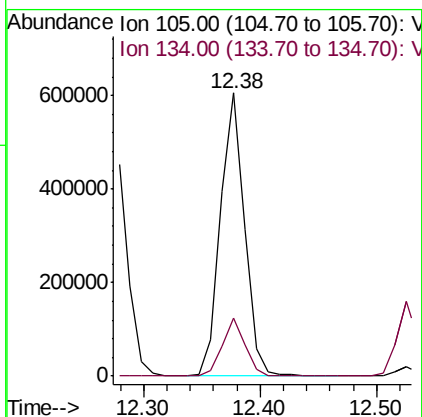
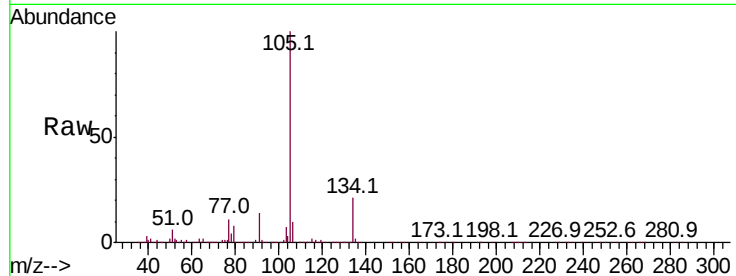
#85
 sec-Butylbenzene
 Concen: 21.353 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	870583		
134	20.7	10.8	32.4	

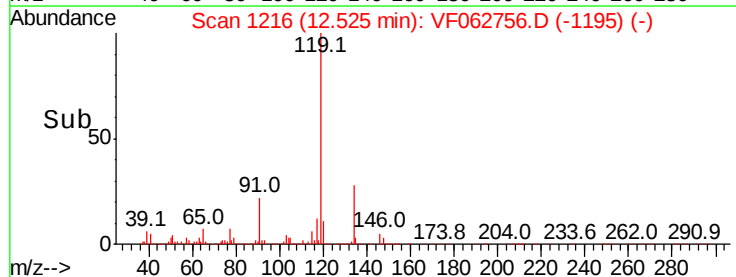
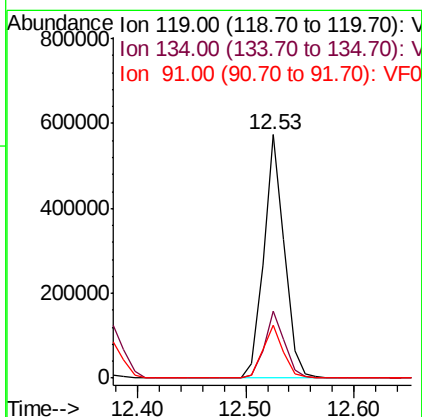
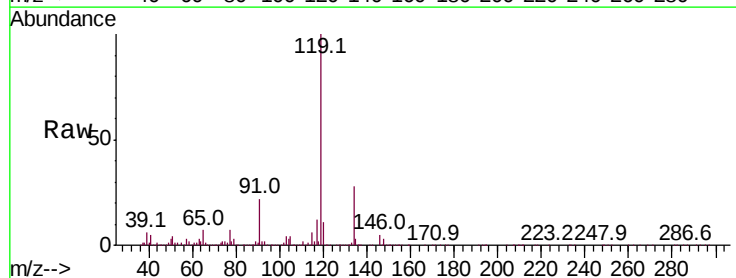
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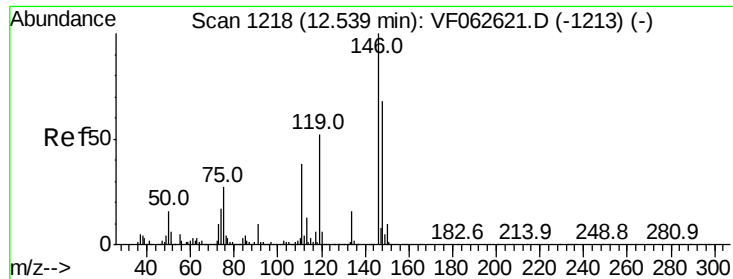
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#86
 p-Isopropyltoluene
 Concen: 22.116 ug/l
 RT: 12.53 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	759877		
134	27.7	14.1	42.3	
91	21.8	11.4	34.2	





#87

1,3-Dichlorobenzene

Concen: 21.608 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

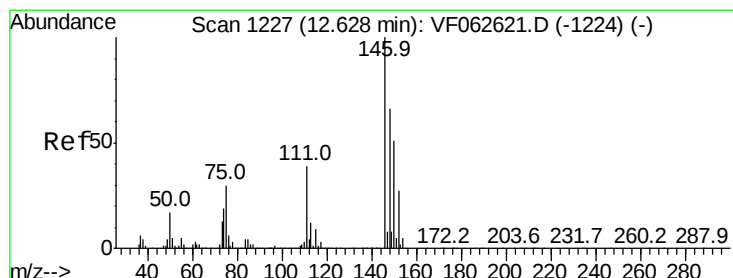
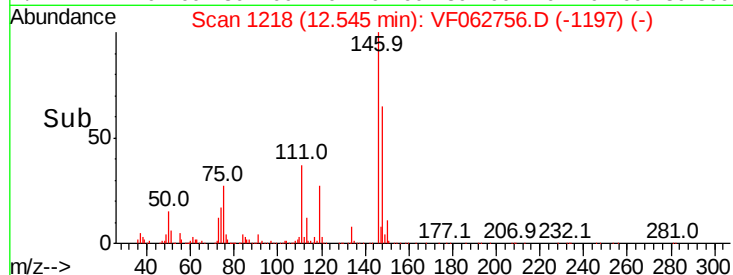
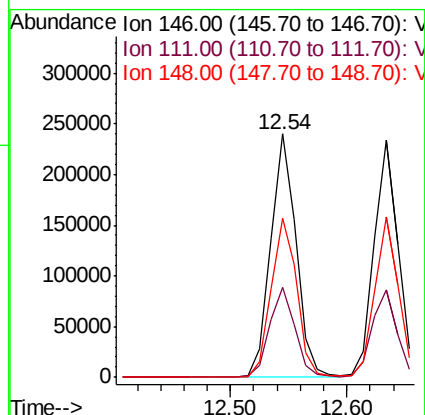
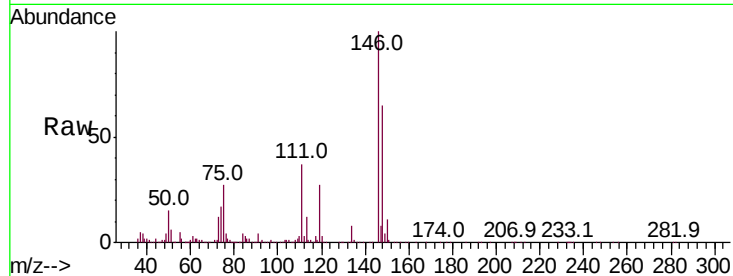
ClientSampleId :

VF0528SBSD01

Tot Ion:	146	Resp:	362876
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.9	56.9
148	65.4	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 21.626 ug/l

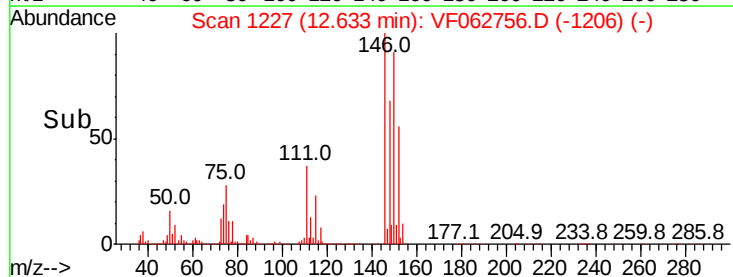
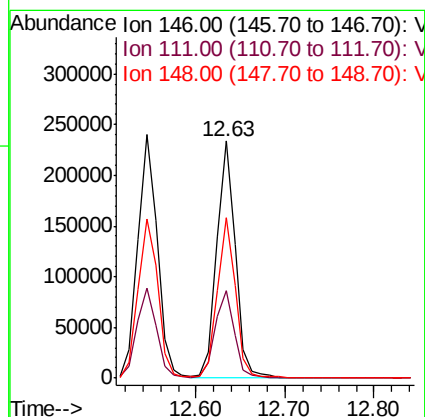
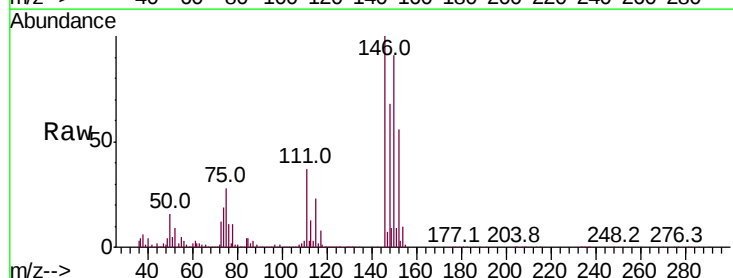
RT: 12.63 min Scan# 1227

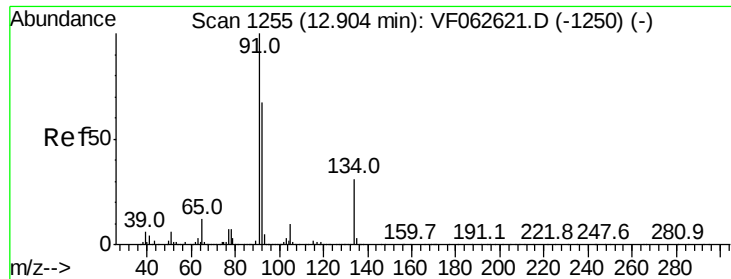
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	146	Resp:	340816
Ion Ratio	Lower	Upper	
146	100		
111	37.0	19.4	58.2
148	67.9	33.2	99.6





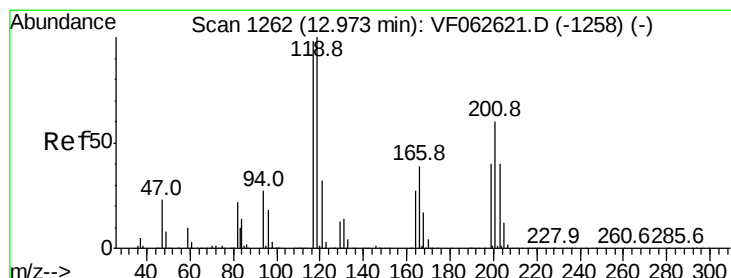
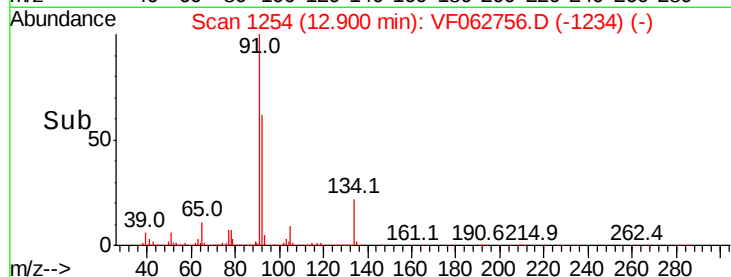
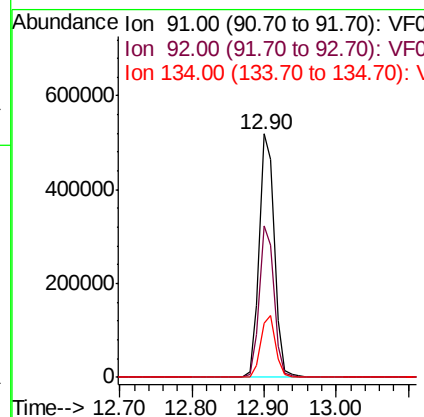
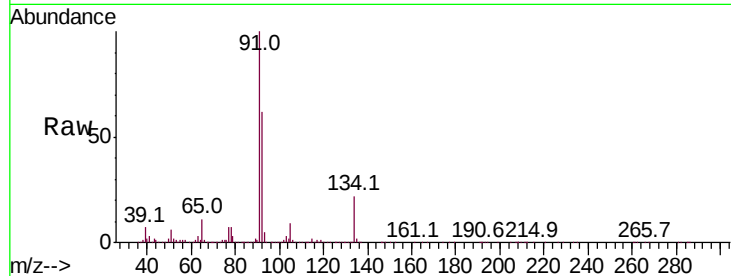
#89
n-Butylbenzene
Concen: 22.728 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.3	33.3	99.8
134	22.4	15.4	46.4

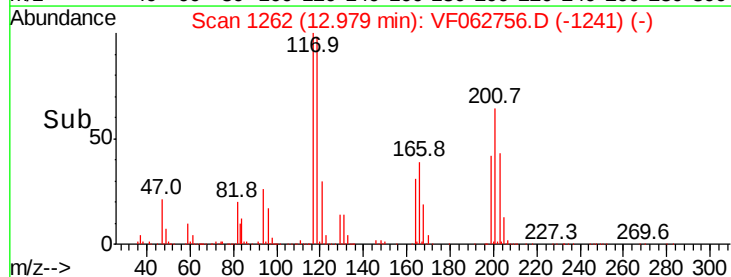
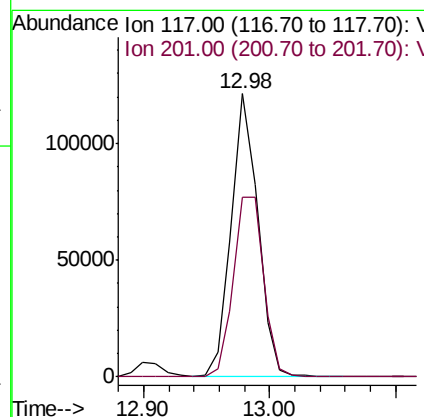
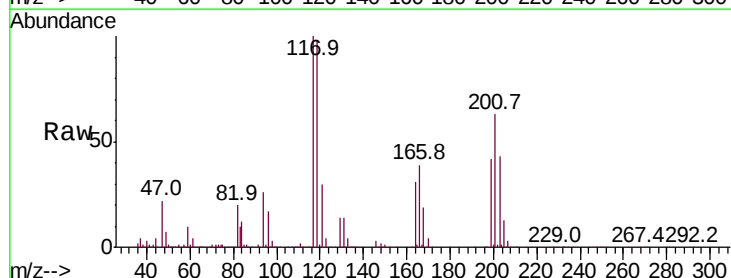
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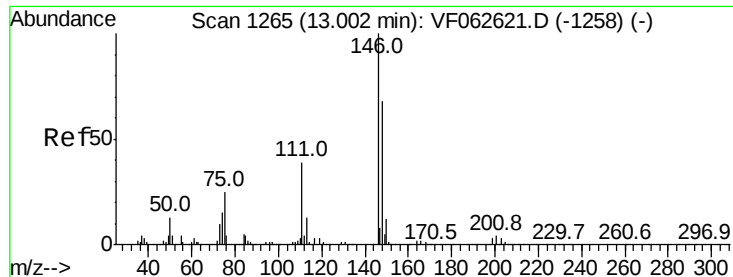
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#90
Hexachloroethane
Concen: 21.582 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062756.D
Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.4	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 21.801 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

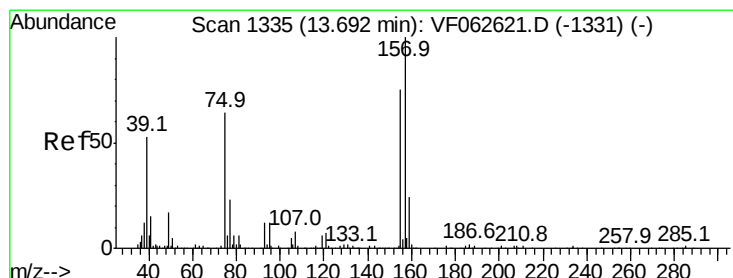
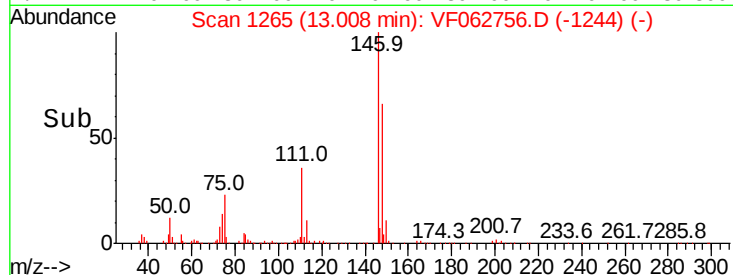
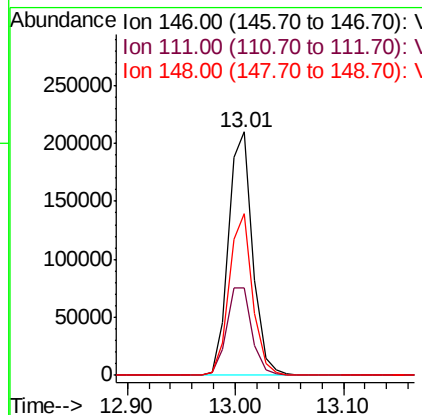
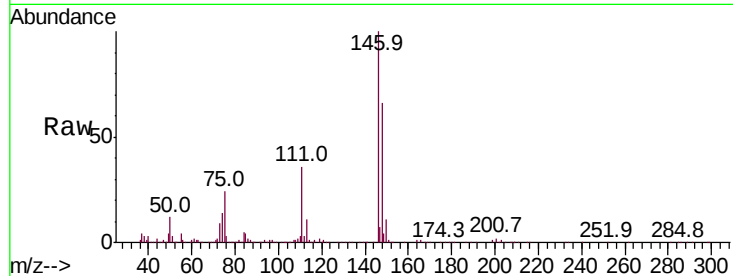
ClientSampleId :

VF0528SBSD01

Tot Ion:	146	Resp:	326357
Ion Ratio	Lower	Upper	
146	100		
111	35.7	19.8	59.3
148	66.3	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.495 ug/l

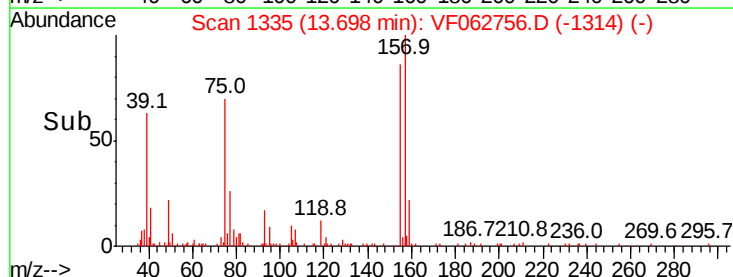
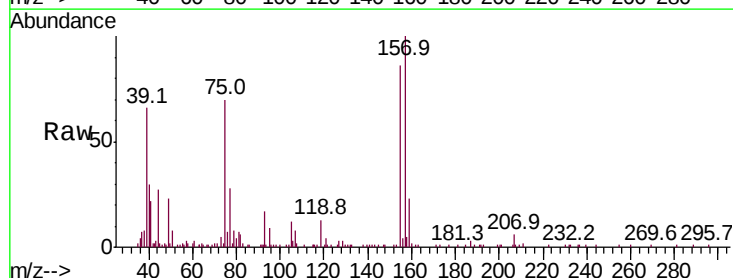
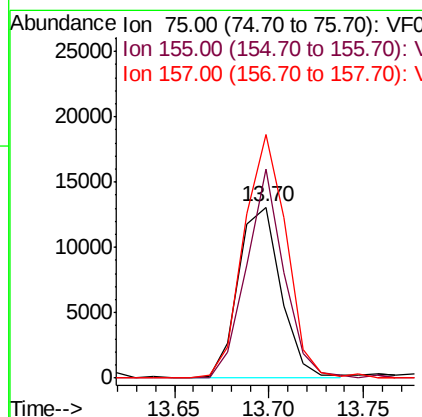
RT: 13.70 min Scan# 1335

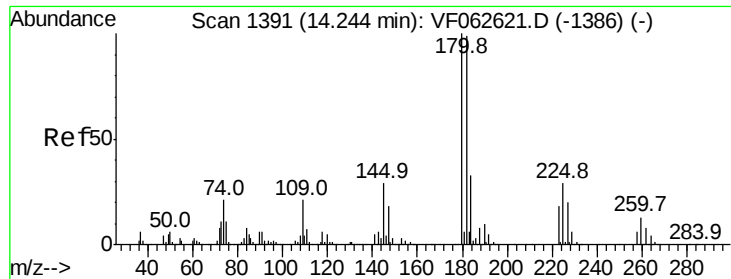
Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	75	Resp:	20480
Ion Ratio	Lower	Upper	
75	100		
155	122.4	58.1	174.3
157	142.6	77.8	233.4





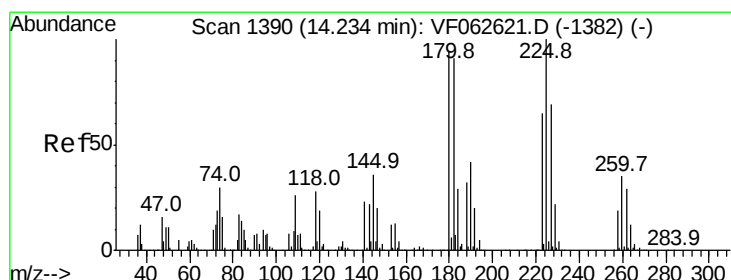
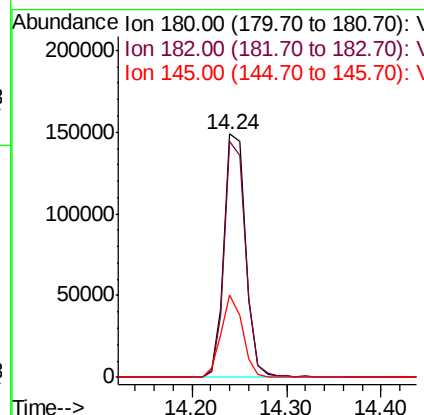
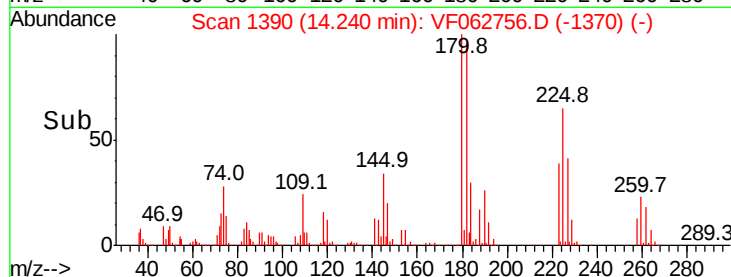
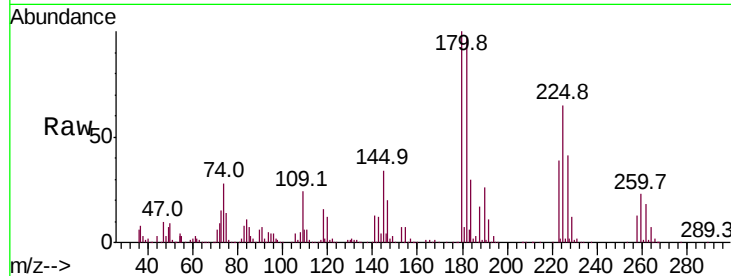
#93
 1,2,4-Trichlorobenzene
 Concen: 22.060 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	236384		
182	97.1	49.7	149.1	
145	33.8	14.6	44.0	

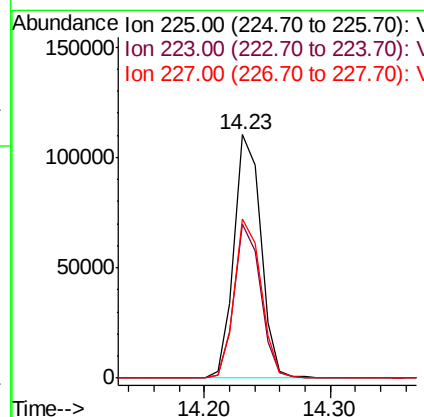
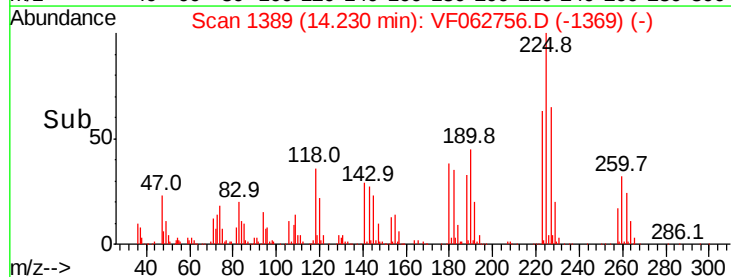
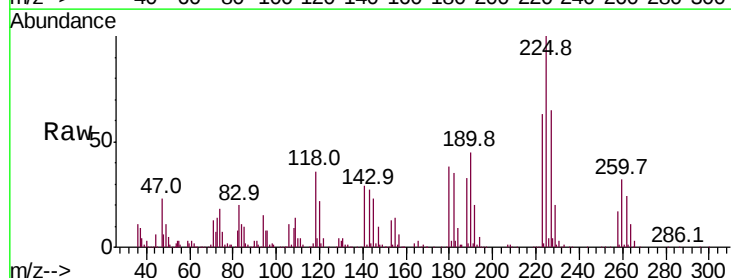
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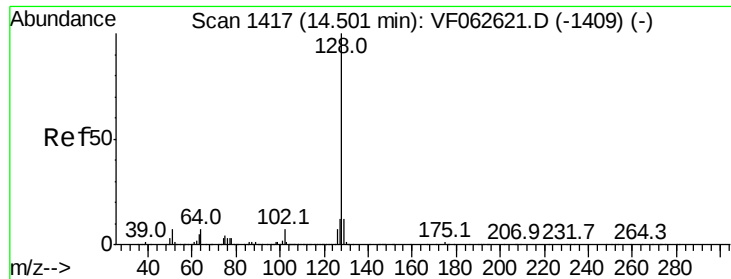
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 5/29/2019 11:02:01 AM



#94
 Hexachlorobutadiene
 Concen: 21.577 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062756.D
 Acq: 28 May 2019 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161354		
223	63.4	32.5	97.4	
227	65.2	34.5	103.5	





#95

Naphthalene

Concen: 20.213 ug/l

RT: 14.50 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_F

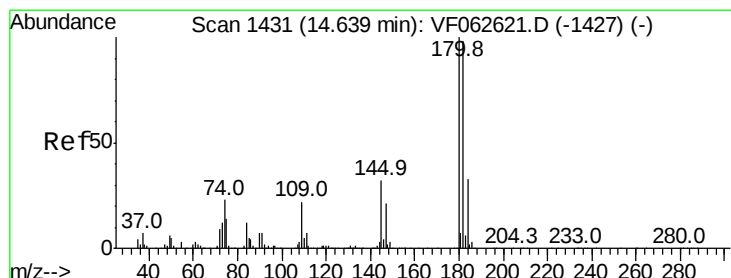
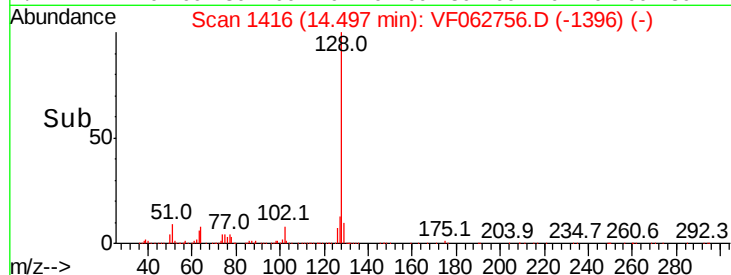
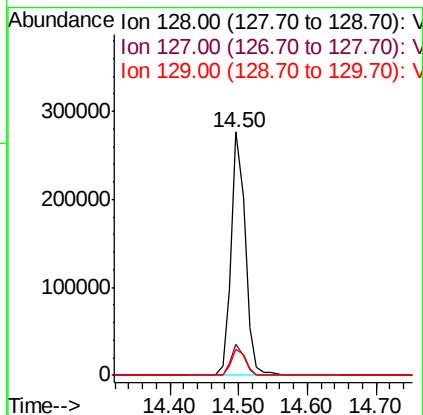
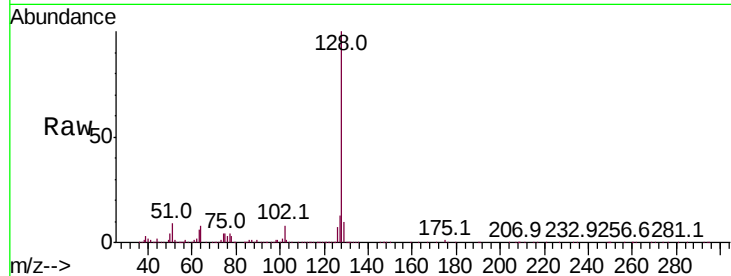
ClientSampleId :

VF0528SBSD01

Tot Ion:	128	Resp:	393489
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.7	14.5
129	10.5	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:02:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.190 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062756.D

Acq: 28 May 2019 13:05

Tgt Ion:	180	Resp:	215078
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.9	146.7
145	28.0	16.1	48.2

