

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062700.D
 Acq On : 22 May 2019 12:38
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:32 PM

Quant Time: May 23 01:50:44 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	5.04	168	803815	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	1298676	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	872466	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.60	152	401031	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	278250	48.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.98%	
35) Dibromofluoromethane	4.30	113	492798	49.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	7.70	98	1054442	44.44	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	88.88%	
62) 4-Bromofluorobenzene	11.49	95	352485	39.17	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	78.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	204121	18.660	ug/l	92
3) Chloromethane	1.14	50	174581	17.333	ug/l	94
4) Vinyl Chloride	1.20	62	175039	18.880	ug/l #	87
5) Bromomethane	1.41	94	102947	20.297	ug/l	99
6) Chloroethane	1.44	64	60961	17.903	ug/l #	80
7) Trichlorofluoromethane	1.56	101	247859	19.910	ug/l	88
8) Diethyl Ether	1.71	74	48645	19.725	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.92	101	168932	21.311	ug/l	96
10) Methyl Iodide	1.99	142	332170	21.332	ug/l	97
11) Tert butyl alcohol	2.69	59	37427	99.803	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	145804	20.192	ug/l	96
13) Acrolein	2.09	56	36203	92.483	ug/l	98
14) Allyl chloride	2.19	41	116913	17.889	ug/l	84
15) Acrylonitrile	3.08	53	153895	145.481	ug/l #	90
16) Acetone	2.34	43	112523	76.359	ug/l #	89
17) Carbon Disulfide	1.92	76	405098m	18.928	ug/l	
18) Methyl Acetate	2.46	43	46759	20.192	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	268604	20.808	ug/l	98
20) Methylene Chloride	2.34	84	155930m	21.110	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	156212m	22.133	ug/l	
22) Diisopropyl ether	2.93	45	303391	18.822	ug/l #	90
23) Vinyl Acetate	3.34	43	1133501	104.248	ug/l	97
24) 1,1-Dichloroethane	3.00	63	255657	21.621	ug/l	99
25) 2-Butanone	4.51	43	287120	91.196	ug/l	96
26) 2,2-Dichloropropane	3.77	77	145556	21.514	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	257503	22.180	ug/l	91
28) Bromochloromethane	3.89	49	131831	19.879	ug/l	99
29) Tetrahydrofuran	4.26	42	123102	96.624	ug/l	95
30) Chloroform	4.05	83	346451	21.103	ug/l	99
31) Cyclohexane	3.86	56	315577m	19.876	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	227412	20.858	ug/l	93
36) 1,1-Dichloropropene	4.46	75	272308	20.463	ug/l	98
37) Ethyl Acetate	4.28	43	102259	18.820	ug/l #	96
38) Carbon Tetrachloride	4.18	117	195461	19.530	ug/l	91

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Quant Time: May 23 01:50:44 2019
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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	5.62	83	321653	20.088	ug/l	97
40) Benzene	4.82	78	811208	22.376	ug/l	99
41) Methacrylonitrile	4.92	41	55671	19.543	ug/l	94
42) 1,2-Dichloroethane	5.12	62	156497	21.647	ug/l	97
43) Isopropyl Acetate	7.10	43	122312	17.376	ug/l	97
44) Trichloroethene	5.67	130	206263	20.244	ug/l	99
45) 1,2-Dichloropropane	6.39	63	194021	21.201	ug/l	94
46) Dibromomethane	6.26	93	116899	22.103	ug/l	96
47) Bromodichloromethane	6.54	83	235056	21.408	ug/l	94
48) Methyl methacrylate	6.87	41	64531	17.539	ug/l	95
49) 1,4-Dioxane	6.87	88	15815	335.604	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	467287	97.117	ug/l	98
52) Toluene	7.77	92	398709	20.971	ug/l	96
53) t-1,3-Dichloropropene	8.41	75	185197	20.617	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	262894	20.907	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	109466	19.445	ug/l	98
56) Ethyl methacrylate	8.75	69	118318	17.642	ug/l	95
57) 1,3-Dichloropropane	8.99	76	191760	19.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	200913	92.033	ug/l	95
59) 2-Hexanone	9.62	43	303304	85.132	ug/l	93
60) Dibromochloromethane	8.85	129	148833	20.285	ug/l	100
61) 1,2-Dibromoethane	9.12	107	119769	20.031	ug/l	98
64) Tetrachloroethene	8.30	164	161741	23.400	ug/l	99
65) Chlorobenzene	9.92	112	379774	22.162	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.05	131	161488	23.475	ug/l	95
67) Ethyl Benzene	10.02	91	649016	21.802	ug/l	95
68) m/p-Xylenes	10.25	106	485314	43.376	ug/l	80
69) o-Xylene	10.81	106	244362	21.204	ug/l	93
70) Styrene	10.88	104	355086	20.272	ug/l	99
71) Bromoform	10.87	173	76020	22.064	ug/l #	97
73) Isopropylbenzene	11.20	105	688725	23.962	ug/l	96
74) N-amyl acetate	11.44	43	187916	22.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	134945	22.974	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	87593	22.695	ug/l	95
77) Bromobenzene	11.57	156	158975	22.251	ug/l	92
78) n-propylbenzene	11.67	91	781578	22.977	ug/l	95
79) 2-Chlorotoluene	11.78	91	441112	23.010	ug/l	96
80) 1,3,5-Trimethylbenzene	11.88	105	555099	24.085	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	39666m	23.121	ug/l	
82) 4-Chlorotoluene	11.96	91	443302	23.450	ug/l	95
83) tert-Butylbenzene	12.19	119	584067	24.979	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	537466	24.095	ug/l	93
85) sec-Butylbenzene	12.36	105	780129	24.861	ug/l	92
86) p-Isopropyltoluene	12.51	119	642461	24.294	ug/l	95
87) 1,3-Dichlorobenzene	12.53	146	308393	23.859	ug/l	93
88) 1,4-Dichlorobenzene	12.61	146	265819	21.914	ug/l	98
89) n-Butylbenzene	12.89	91	644730	24.727	ug/l	92
90) Hexachloroethane	12.97	117	160615	25.318	ug/l	81
91) 1,2-Dichlorobenzene	12.99	146	275199	23.885	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	18621	26.573	ug/l	55

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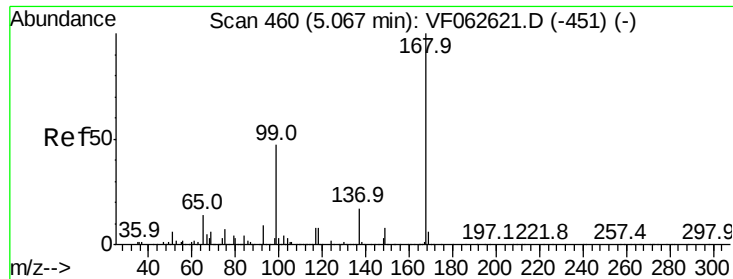
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	202302	24.529	ug/l	93
94) Hexachlorobutadiene	14.22	225	135584	23.557	ug/l	98
95) Naphthalene	14.49	128	315619	21.065	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	180246	23.073	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion:168 Resp: 803815

Ion Ratio Lower Upper

168 100

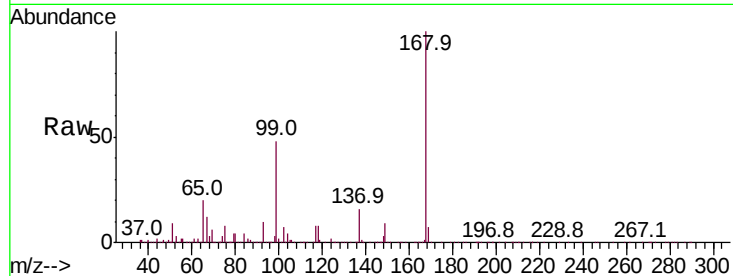
99 48.0 37.8 56.8

Manual Integrations

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5/23/2019 12:16:32 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

250000

200000

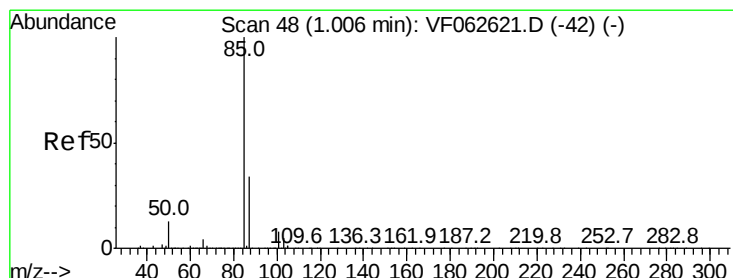
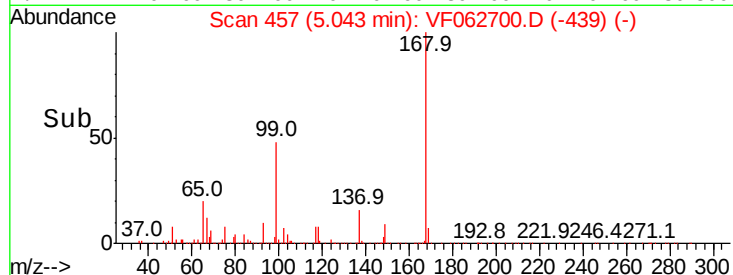
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.660 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062700.D

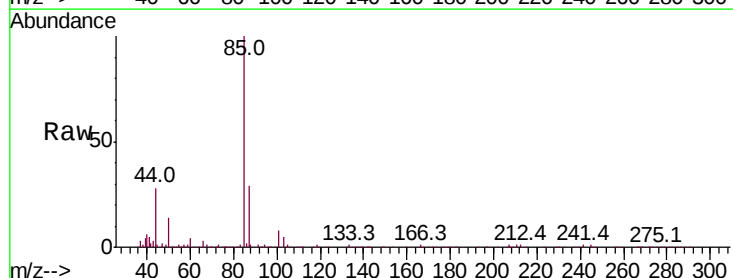
Acq: 22 May 2019 12:38

Tgt Ion: 85 Resp: 204121

Ion Ratio Lower Upper

85 100

87 29.1 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

60000

50000

40000

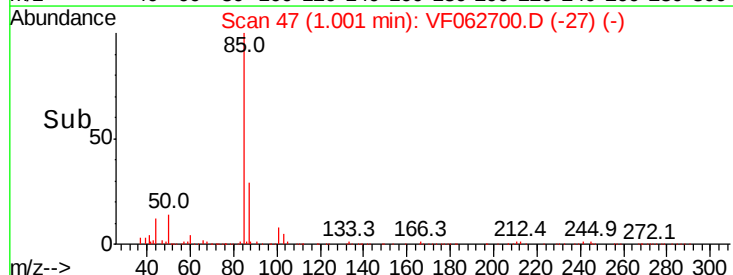
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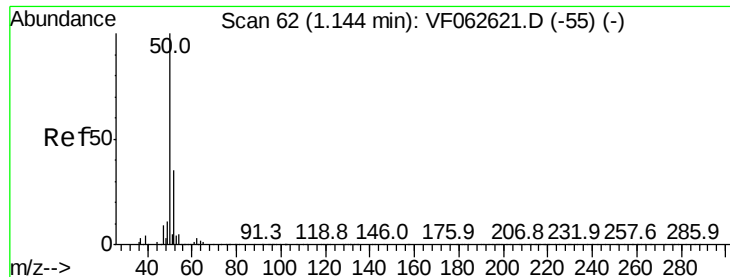
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.333 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion: 50 Resp: 174581

Ion Ratio Lower Upper

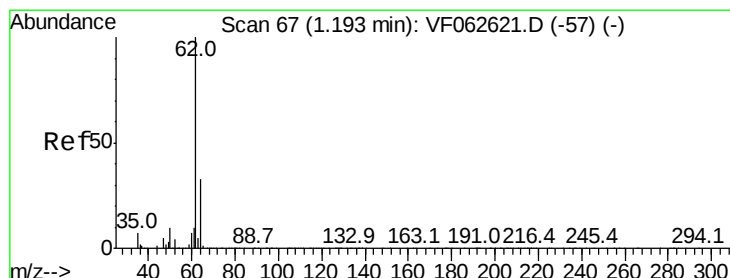
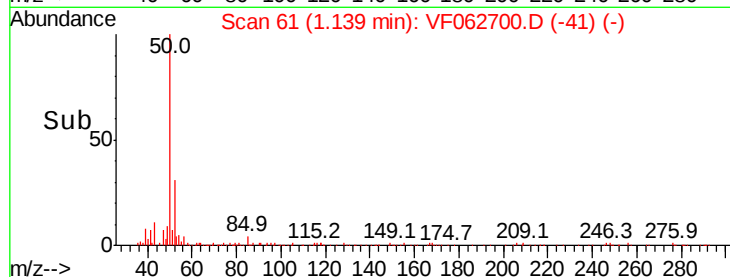
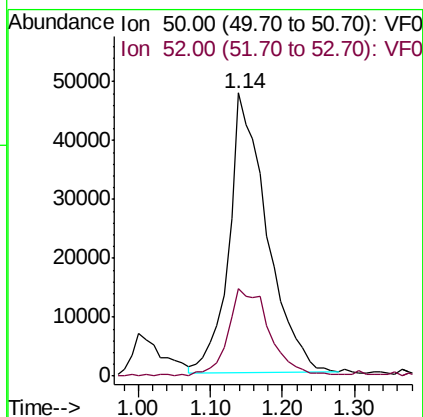
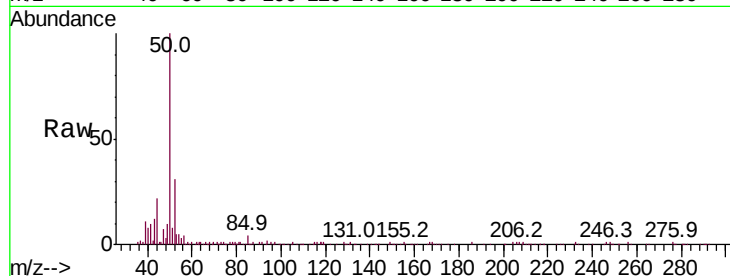
50 100

52 30.7 27.5 41.3

Manual Integrations
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5/23/2019 12:16:32 PM



#4

Vinyl Chloride

Concen: 18.880 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062700.D

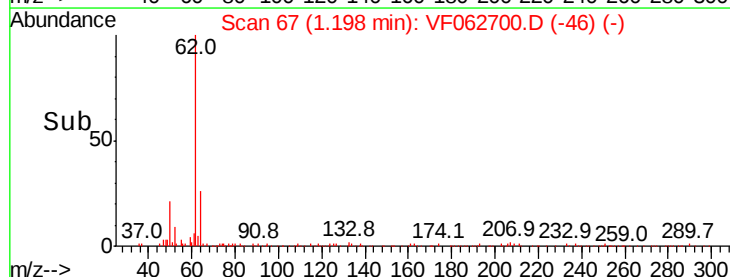
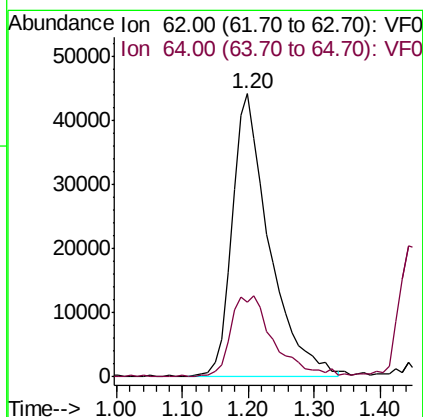
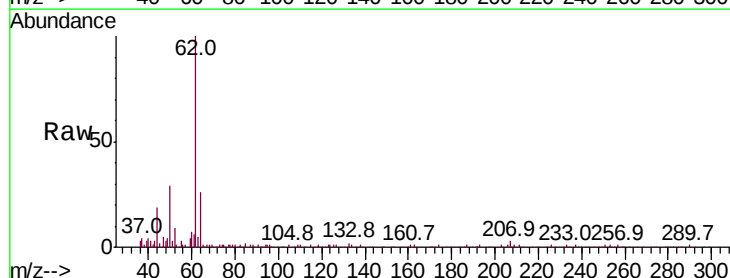
Acq: 22 May 2019 12:38

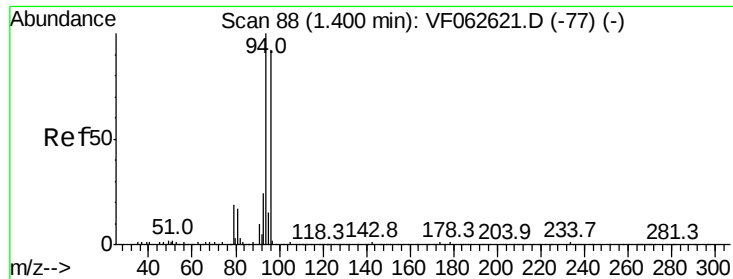
Tgt Ion: 62 Resp: 175039

Ion Ratio Lower Upper

62 100

64 26.2 26.7 40.1#





#5

Bromomethane

Concen: 20.297 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 94 Resp: 102947

Ion Ratio Lower Upper

94 100

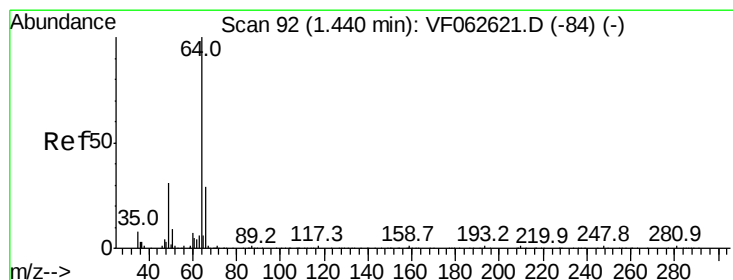
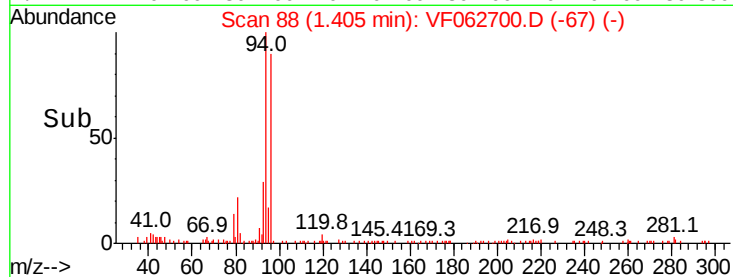
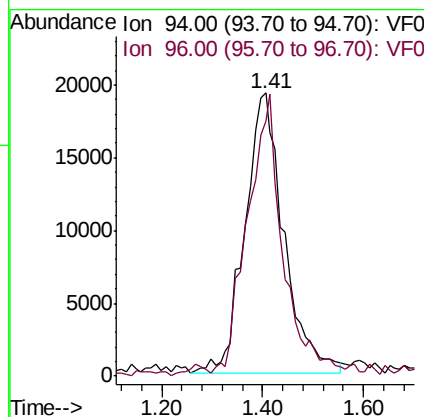
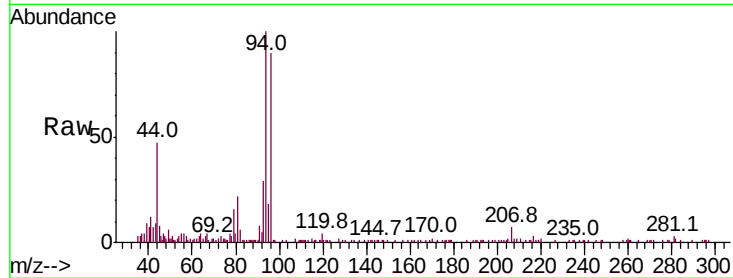
96 90.2 73.2 109.8

Manual Integrations

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5/23/2019 12:16:32 PM



#6

Chloroethane

Concen: 17.903 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062700.D

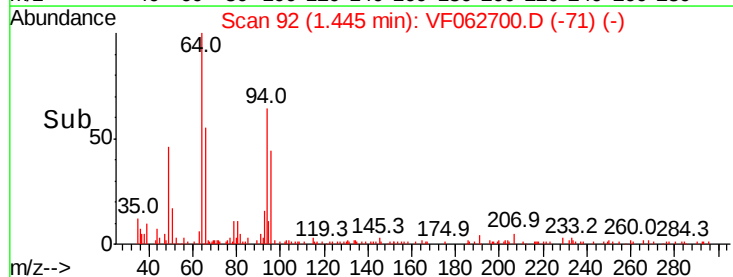
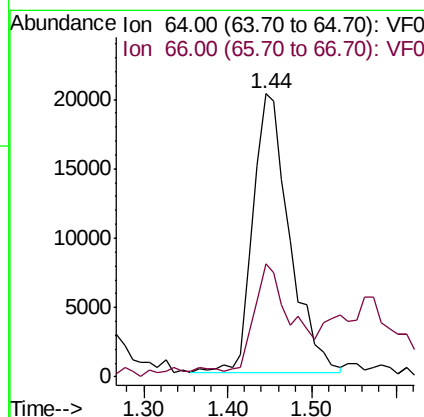
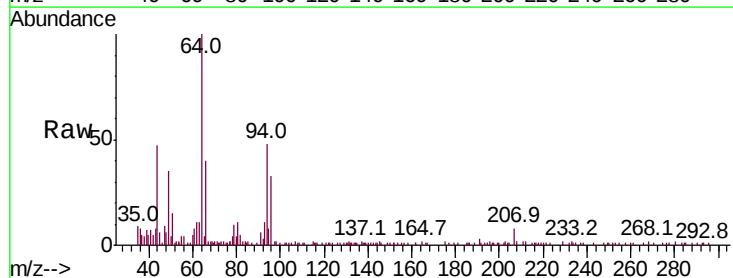
Acq: 22 May 2019 12:38

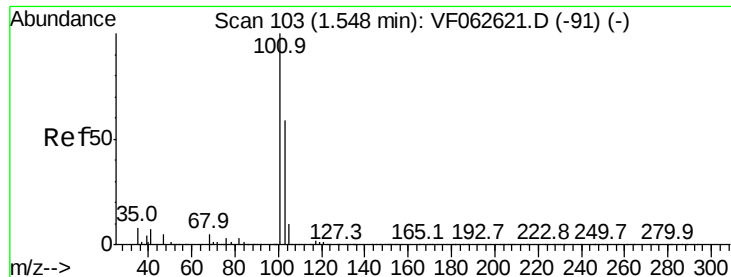
Tgt Ion: 64 Resp: 60961

Ion Ratio Lower Upper

64 100

66 40.1 23.4 35.2#





#7

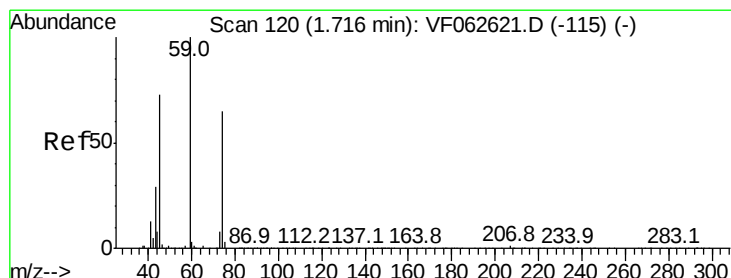
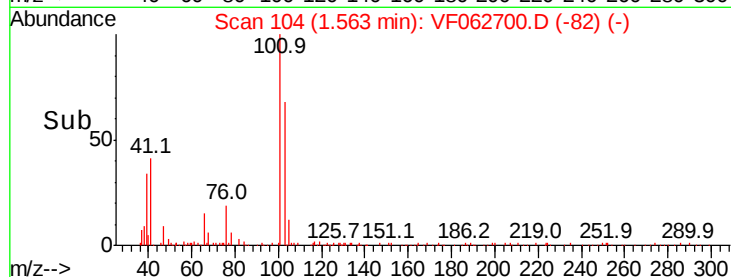
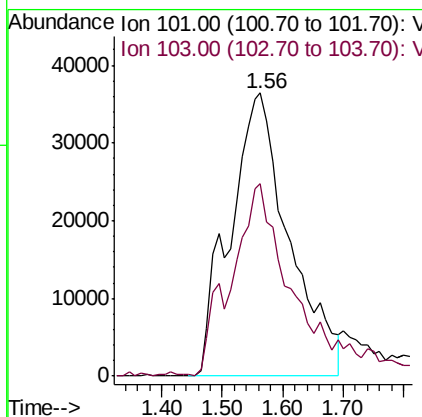
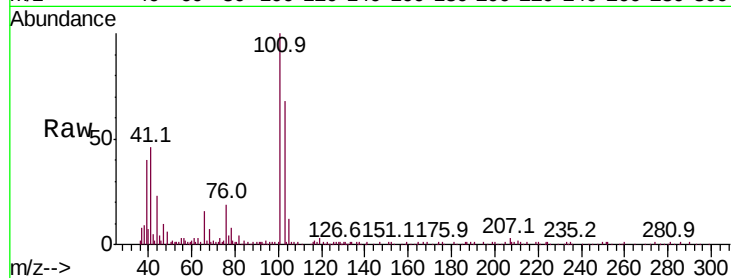
Trichlorofluoromethane
Concen: 19.910 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

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VF0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	247859		
103	68.1	47.3	70.9	

Manual Integrations
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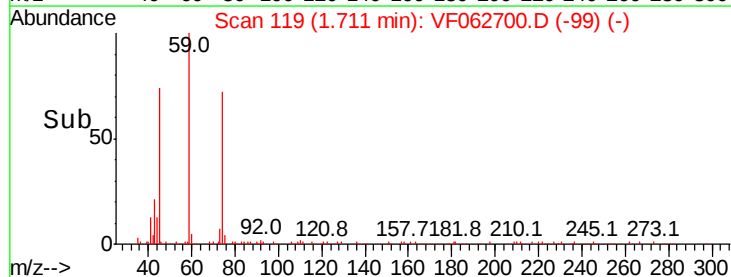
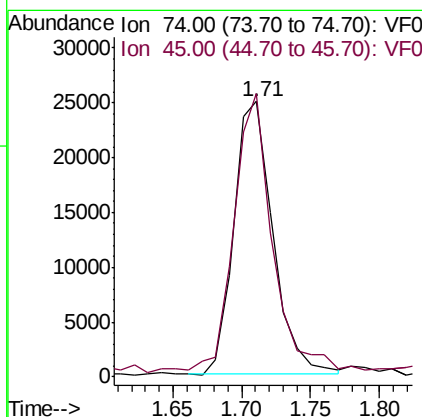
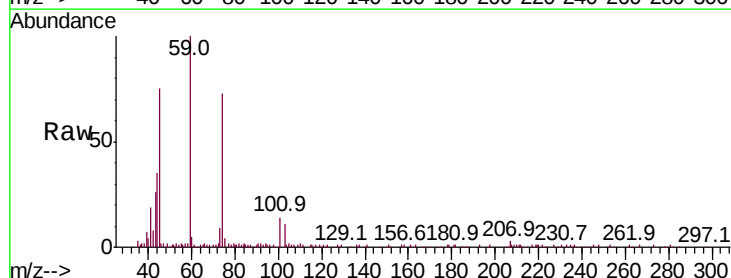
MMDadoda
5/23/2019 12:16:32 PM

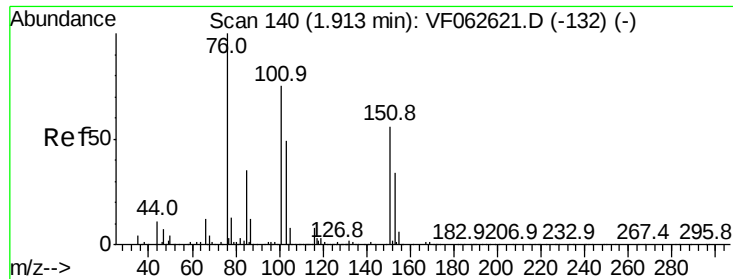


#8

Diethyl Ether
Concen: 19.725 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48645		
45	102.8	57.0	170.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.311 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

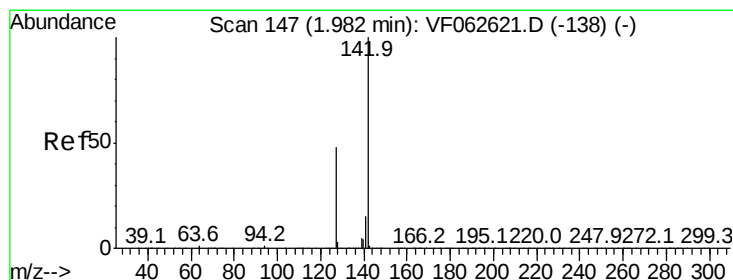
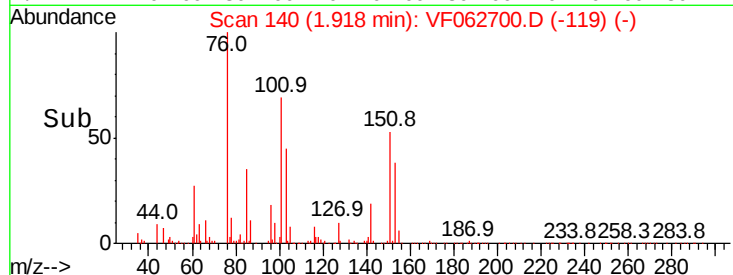
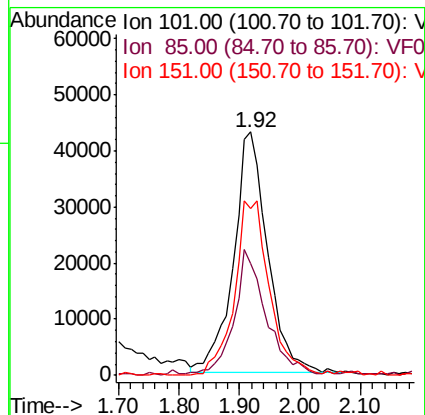
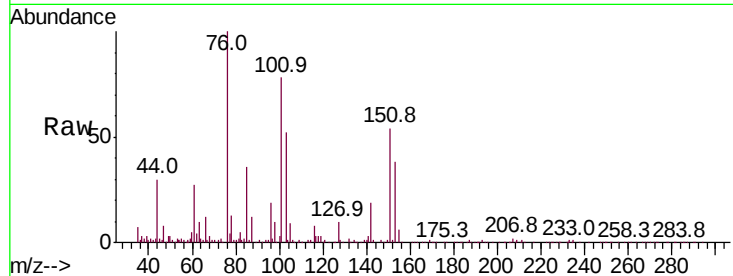
ClientSampleId :

VF0522SBSD01

Tot Ion:	101	Resp:	168932
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.1	55.7
151	68.8	58.8	88.2

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#10

Methyl Iodide

Concen: 21.332 ug/l

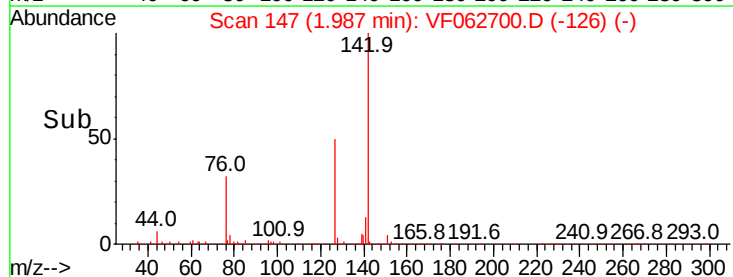
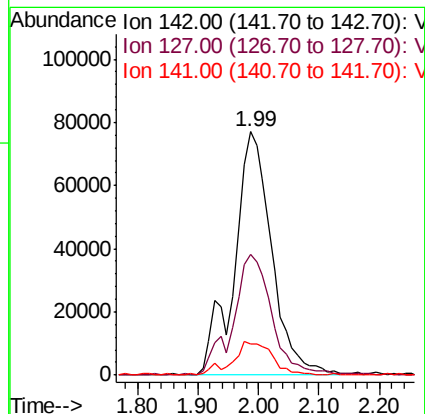
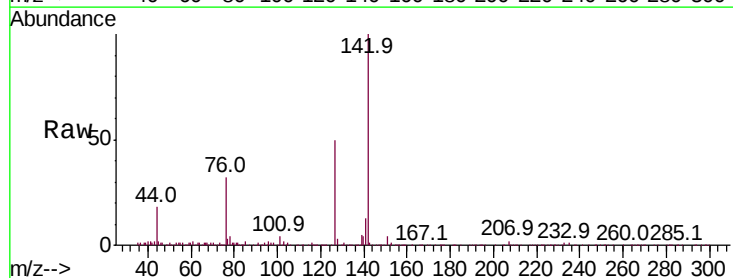
RT: 1.99 min Scan# 147

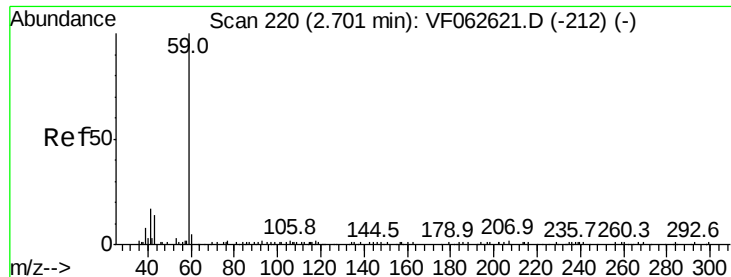
Delta R.T. 0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	142	Resp:	332170
Ion Ratio	Lower	Upper	
142	100		
127	49.8	38.1	57.1
141	12.9	11.7	17.5





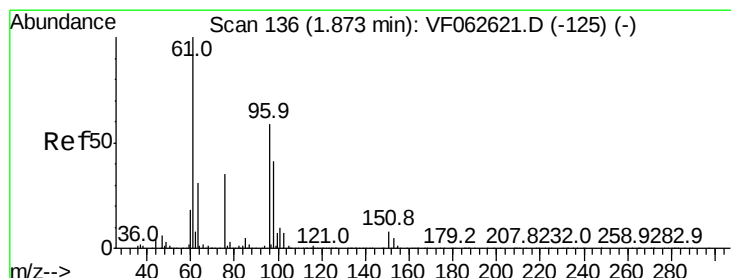
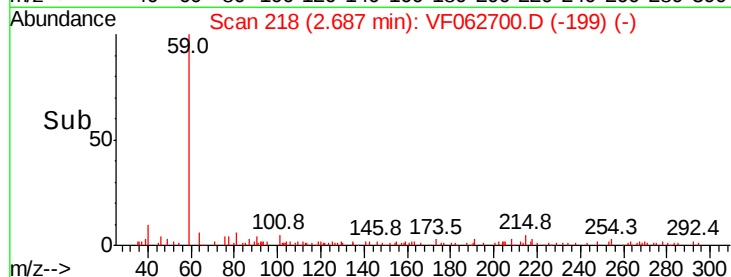
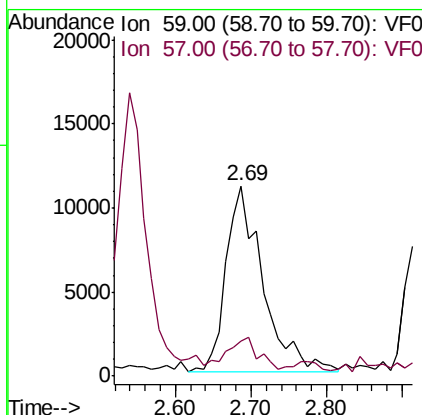
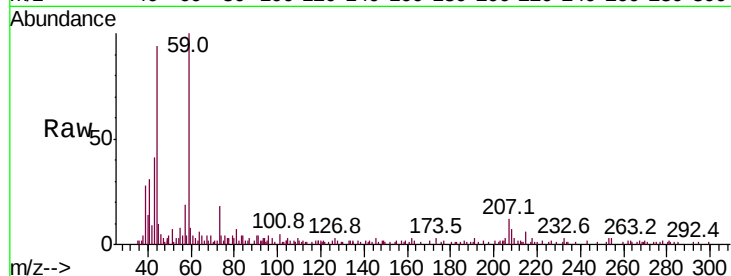
#11
Tert butyl alcohol
Concen: 99.803 ug/l
RT: 2.69 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	18.7	9.3	13.9#

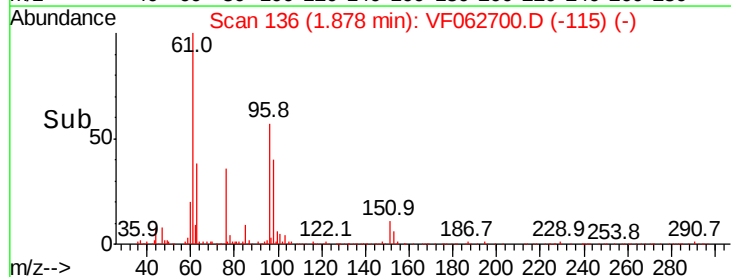
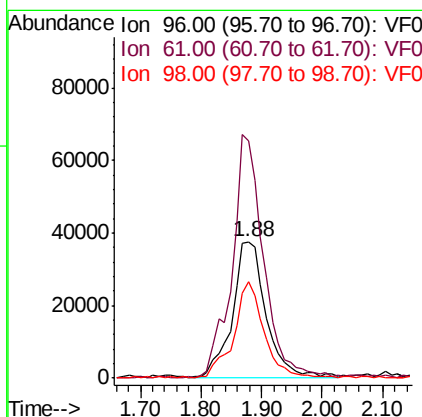
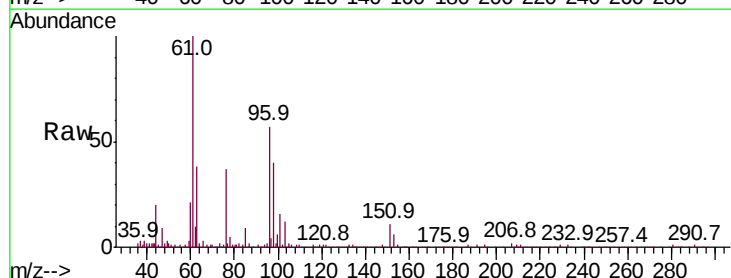
Manual Integrations
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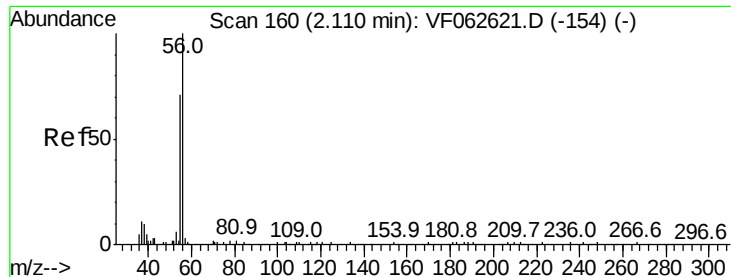
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.192 ug/l
RT: 1.88 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	134.3	201.5
98	70.4	55.0	82.6





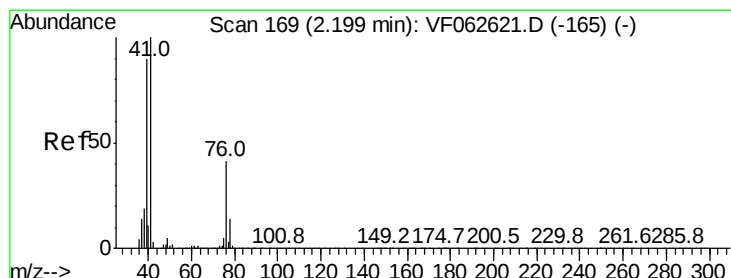
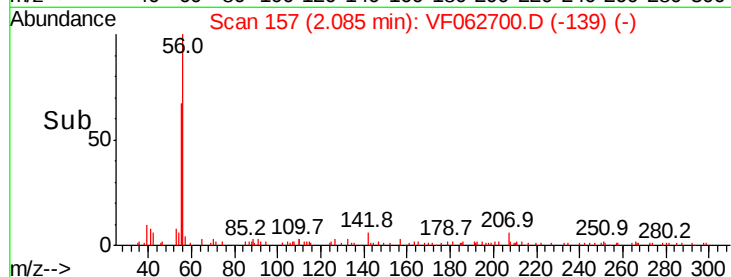
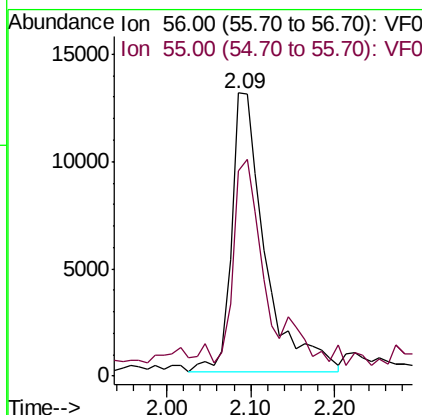
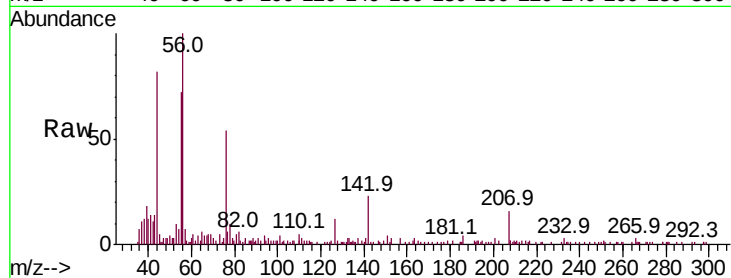
#13
Acrolein
Concen: 92.483 ug/l
RT: 2.09 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	56	Resp	36203
Ion Ratio	100	Lower	Upper
55	72.4	59.4	89.0

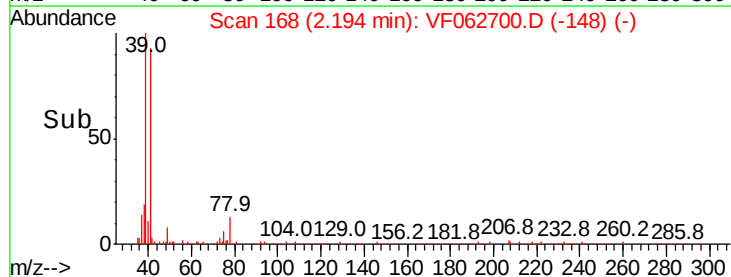
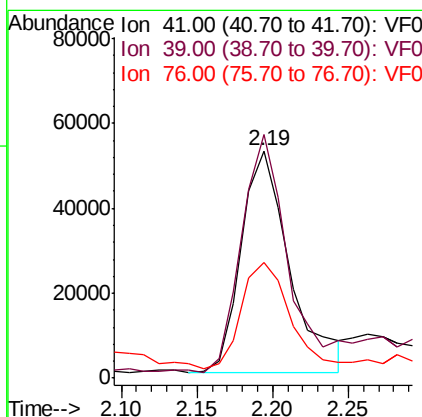
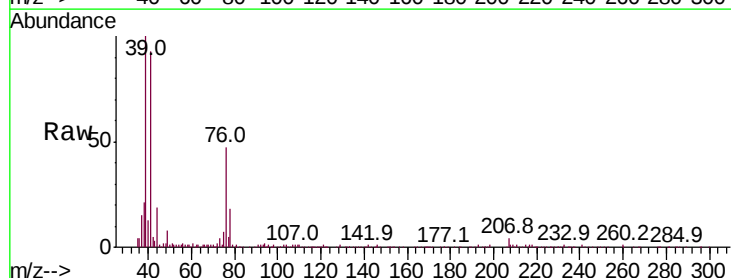
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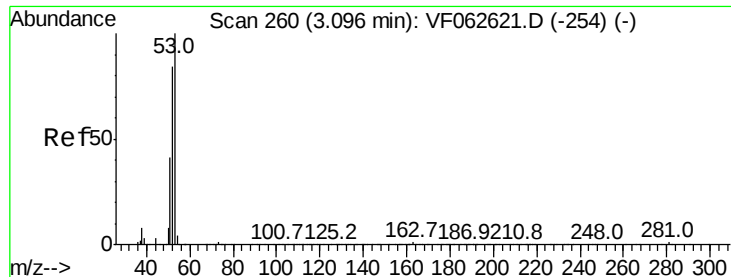
MMDadoda
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#14
Allyl chloride
Concen: 17.889 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	41	Resp	116913
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
39	107.2	72.0	108.0
76	50.8	34.8	52.2





#15

Acrylonitrile

Concen: 145.481 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

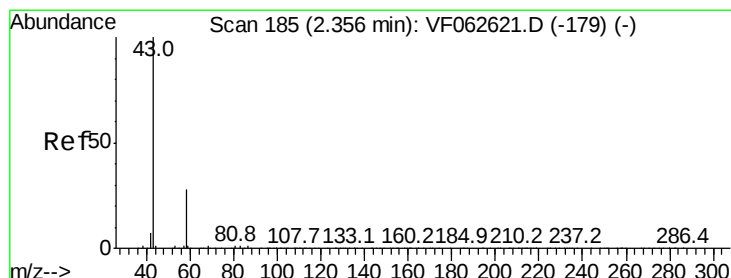
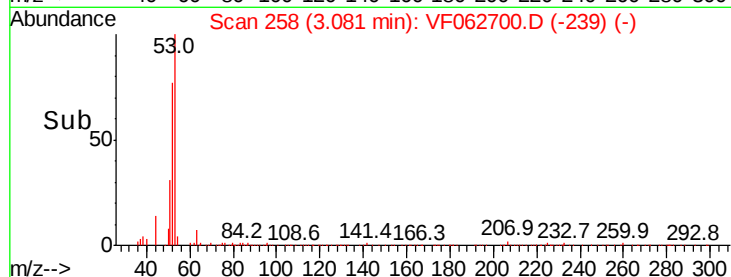
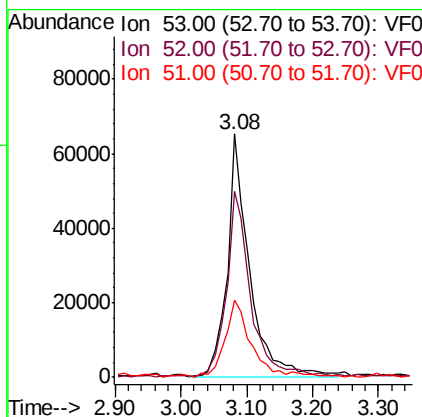
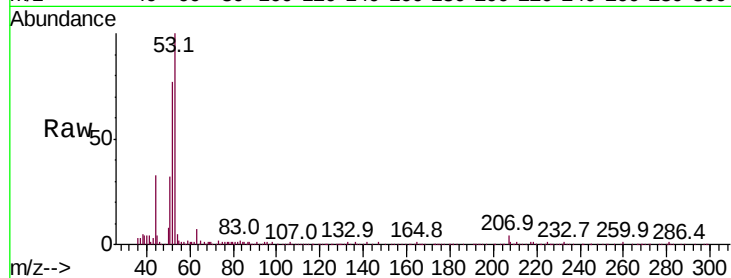
ClientSampleId :

VF0522SBS01

Tot Ion:	53	Resp:	153895
Ion Ratio		Lower	Upper
53	100		
52	76.6	67.3	100.9
51	31.9	33.0	49.6#

Manual Integrations
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#16

Acetone

Concen: 76.359 ug/l

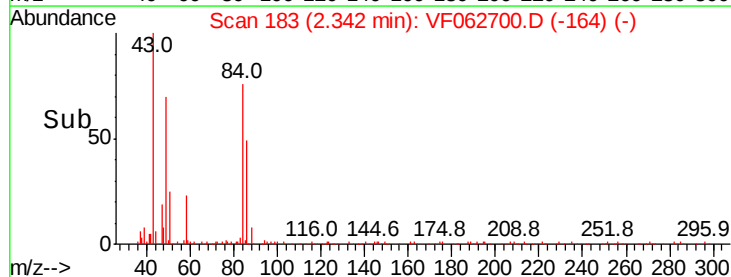
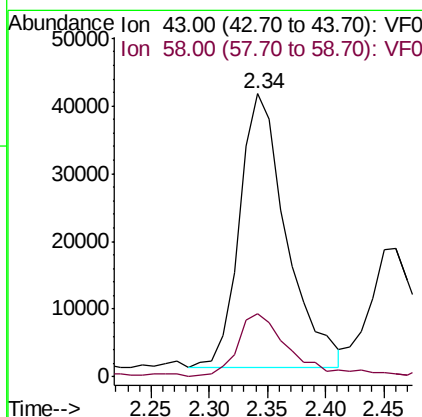
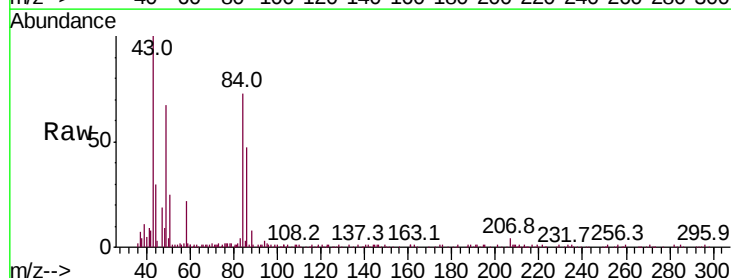
RT: 2.34 min Scan# 183

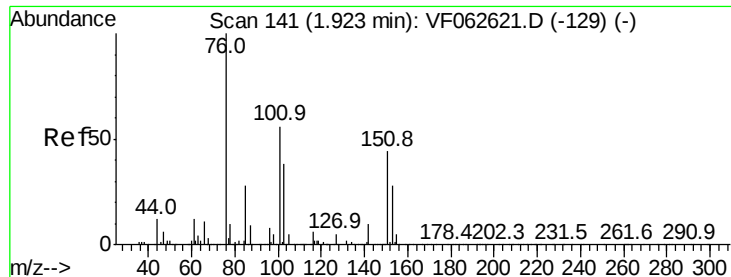
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	43	Resp:	112523
Ion Ratio		Lower	Upper
43	100		
58	22.4	22.6	33.8#





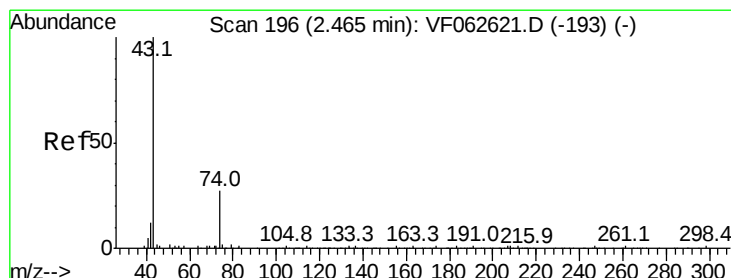
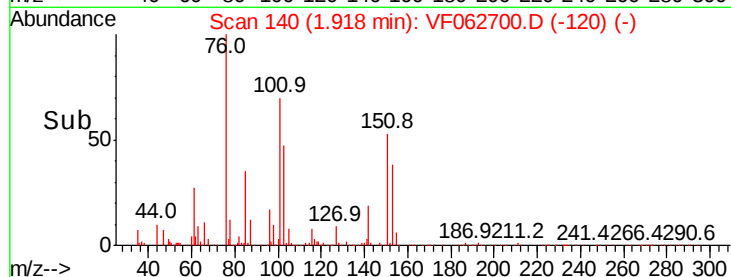
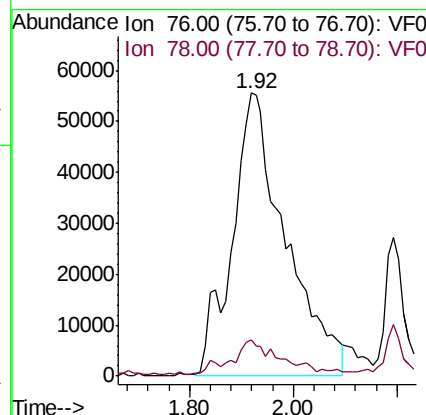
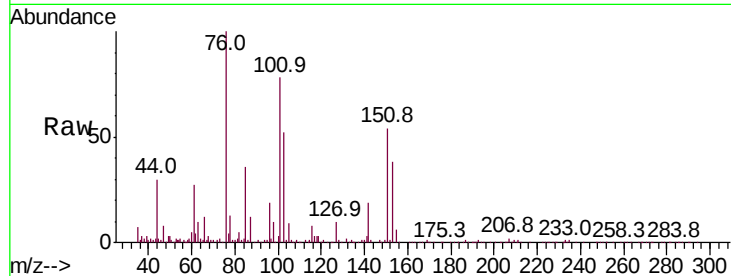
#17
Carbon Disulfide
Concen: 18.928 ug/l m
RT: 1.92 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion: 76 Resp: 405098
Ion Ratio Lower Upper
76 100
78 12.8 8.4 12.6#

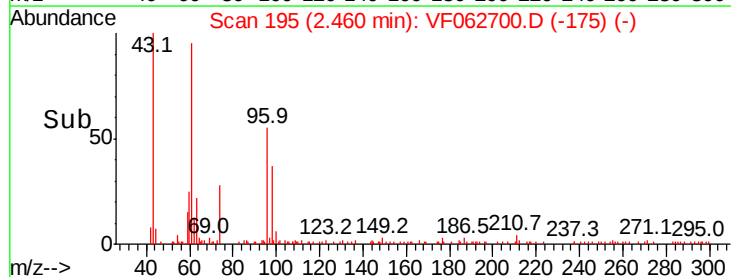
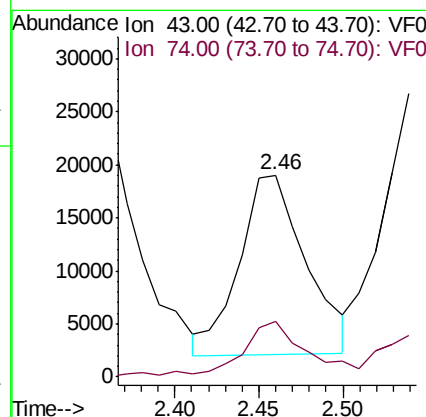
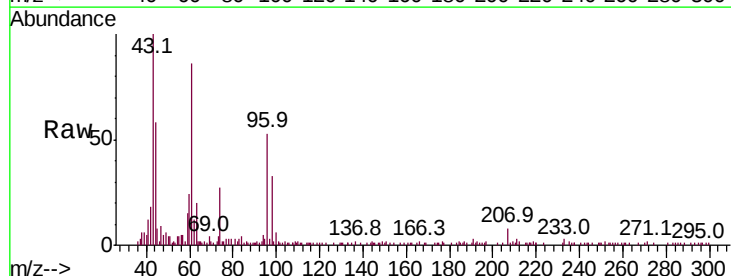
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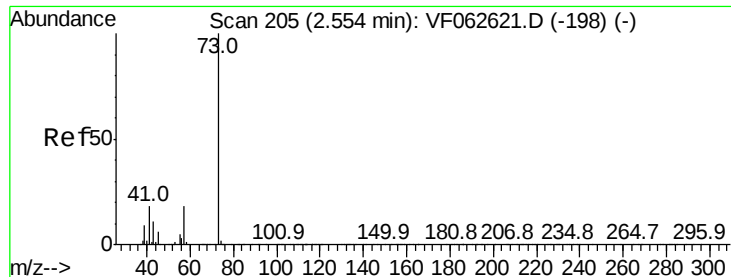
MMDadoda
5/23/2019 12:16:32 PM



#18
Methyl Acetate
Concen: 20.192 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 43 Resp: 46759
Ion Ratio Lower Upper
43 100
74 27.2 18.9 28.3





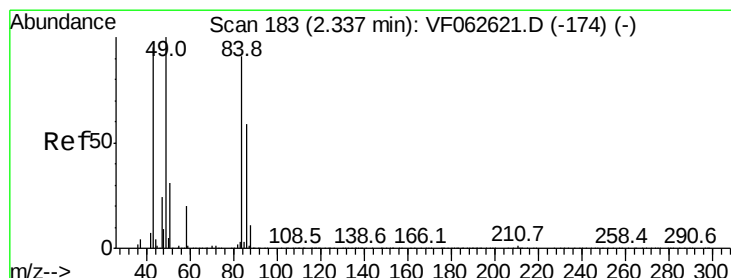
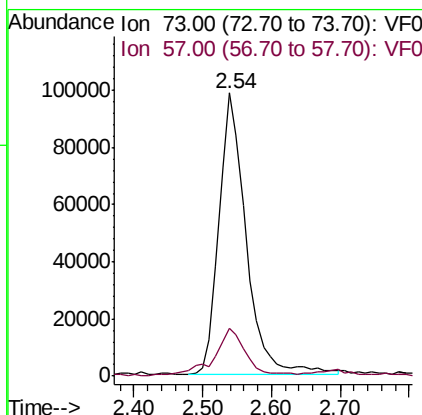
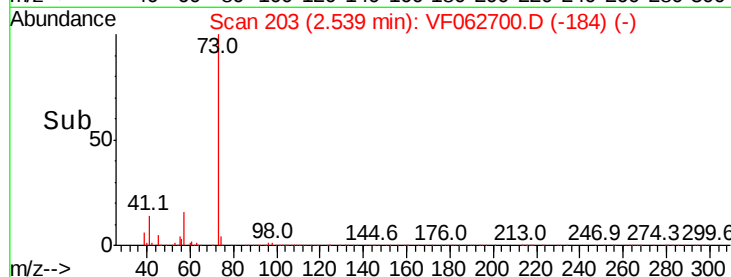
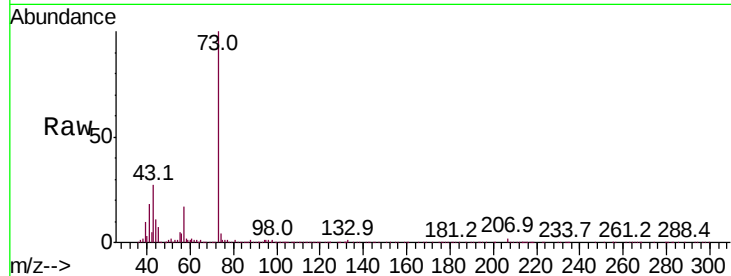
#19
Methyl tert-butyl Ether
Concen: 20.808 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	14.2	21.4

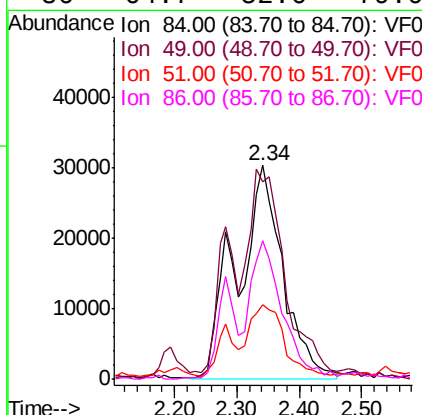
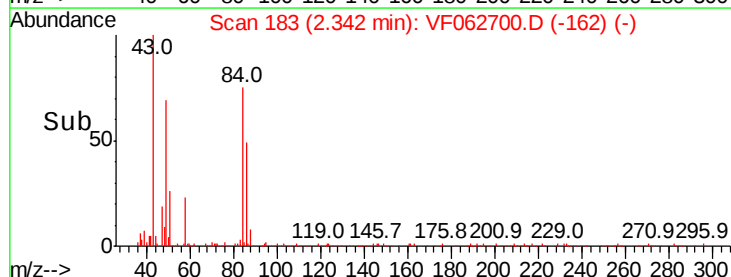
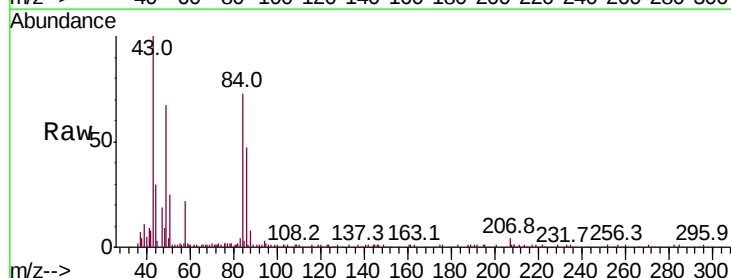
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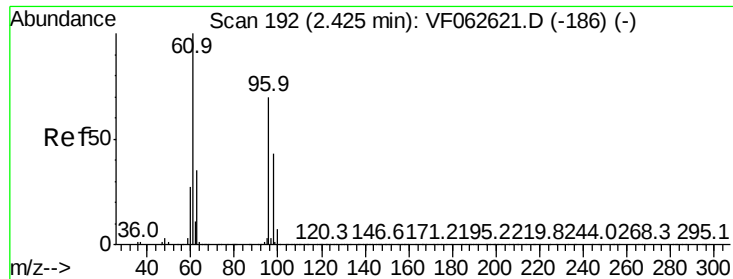
MMDadoda
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#20
Methylene Chloride
Concen: 21.110 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	92.5	89.8	134.8
51	34.9	28.4	42.6
86	64.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.133 ug/l m

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 96 Resp: 156212

Ion Ratio Lower Upper

96 100

61 131.4 114.6 171.8

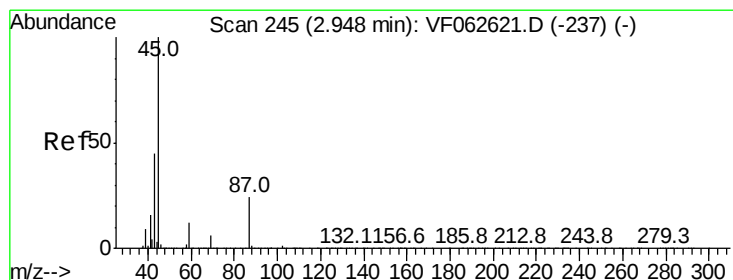
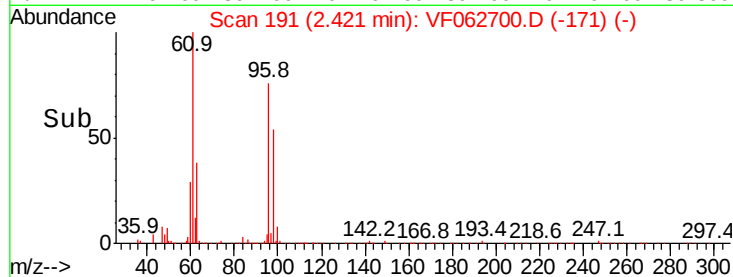
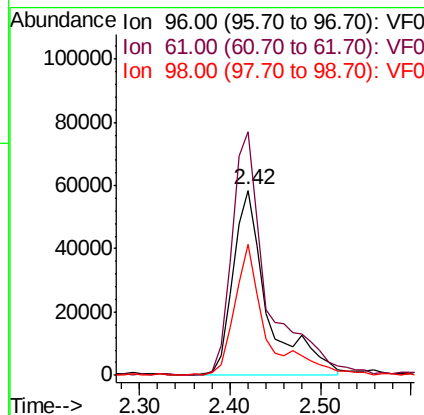
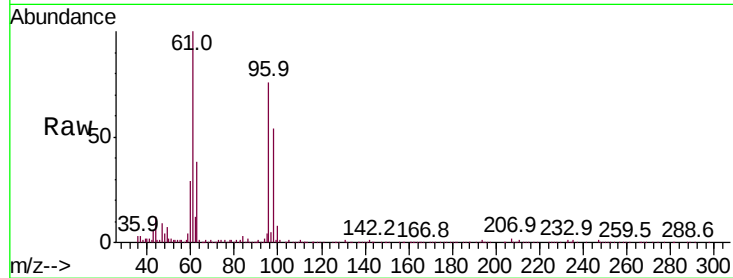
98 70.5 49.5 74.3

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#22

Diisopropyl ether

Concen: 18.822 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion: 45 Resp: 303391

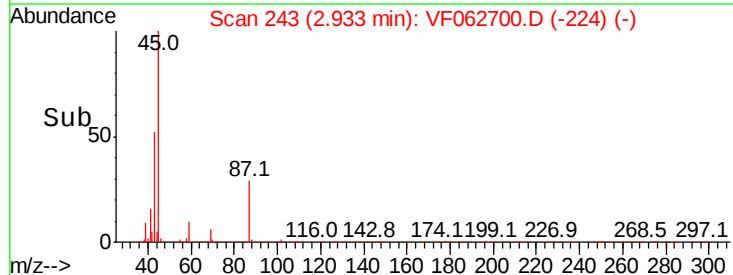
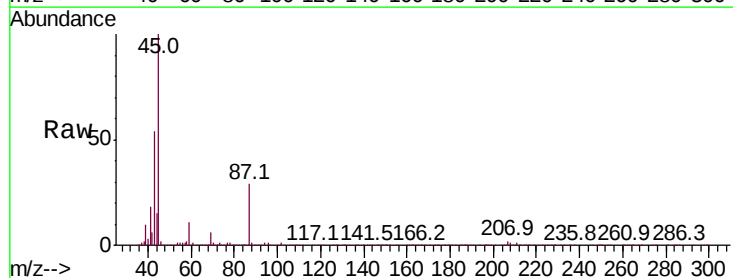
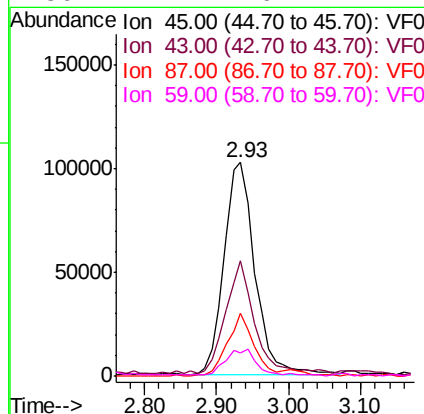
Ion Ratio Lower Upper

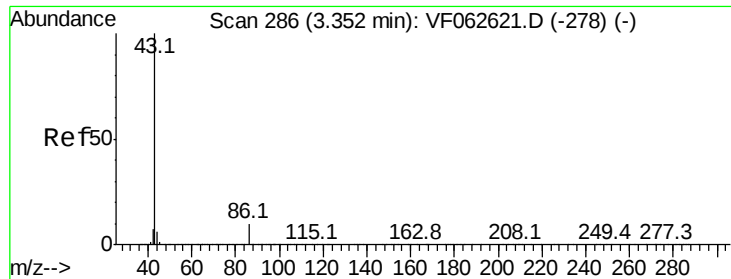
45 100

43 53.7 36.4 54.6

87 29.3 19.3 28.9#

59 11.1 9.4 14.2





#23

Vinyl Acetate

Concen: 104.248 ug/l

RT: 3.34 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 1133501

Ion Ratio Lower Upper

43 100

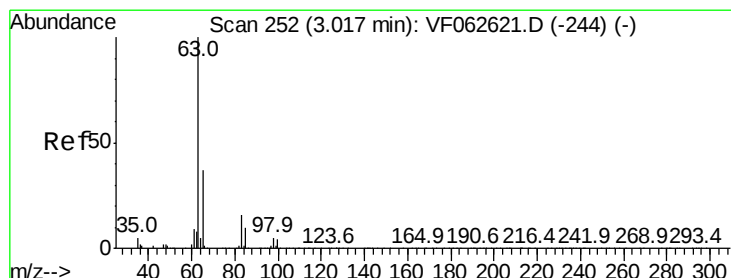
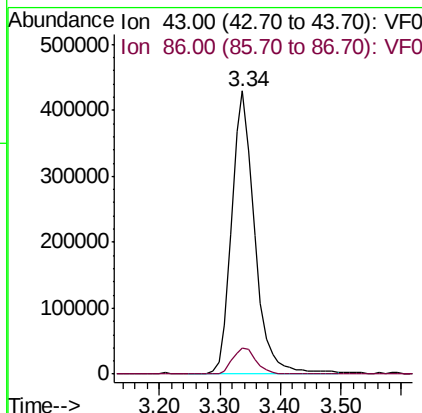
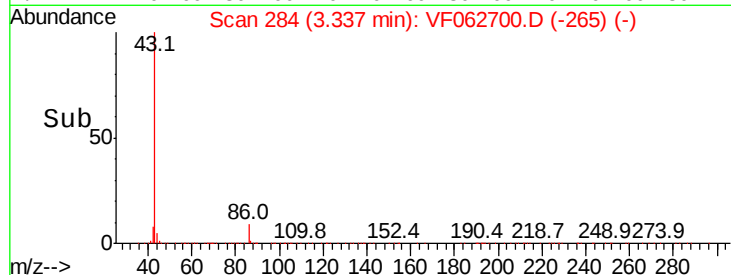
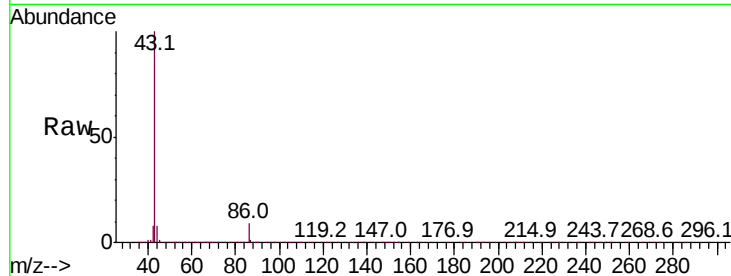
86 9.2 8.2 12.2

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5/23/2019 12:16:32 PM



#24

1,1-Dichloroethane

Concen: 21.621 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

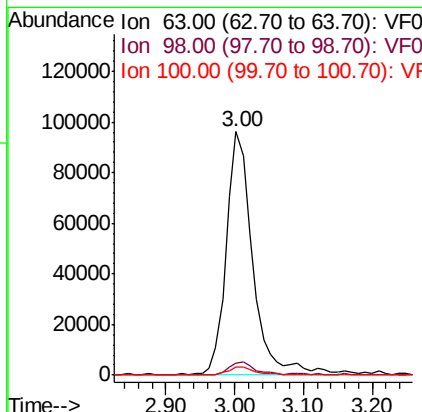
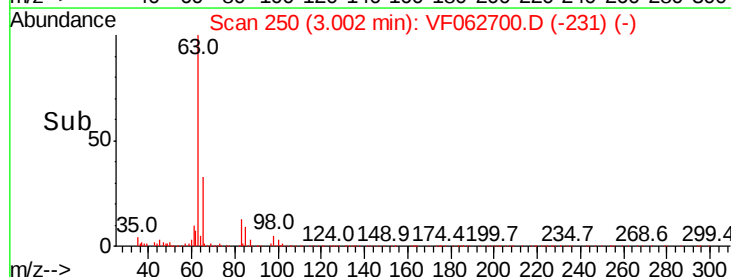
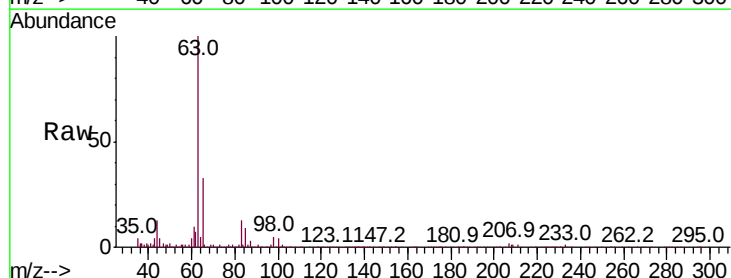
Tgt Ion: 63 Resp: 255657

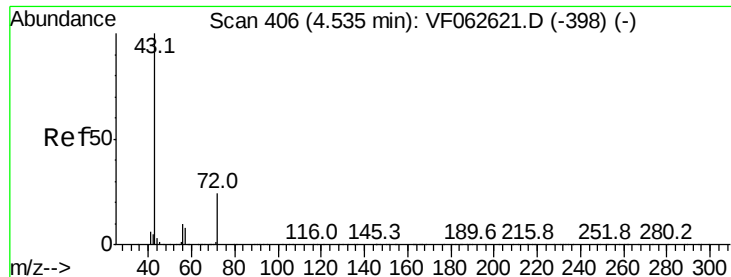
Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 91.196 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 287120

Ion Ratio Lower Upper

43 100

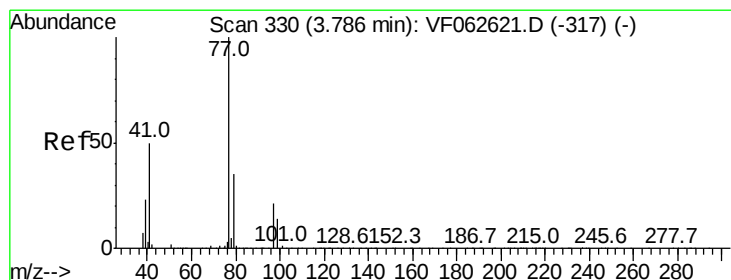
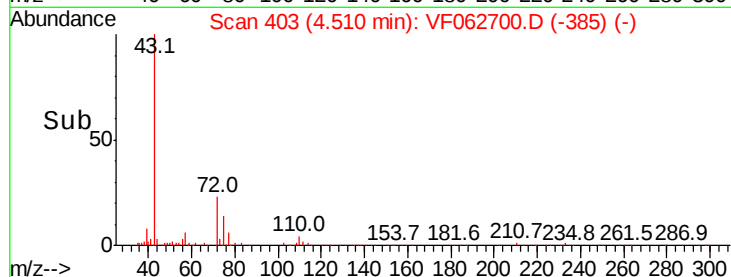
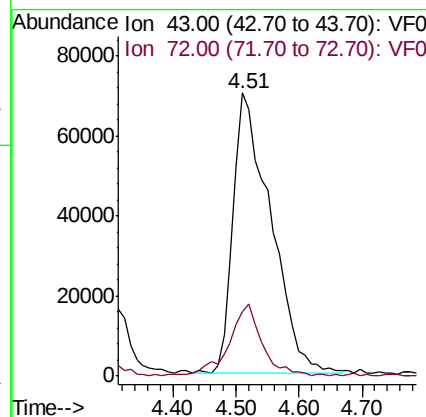
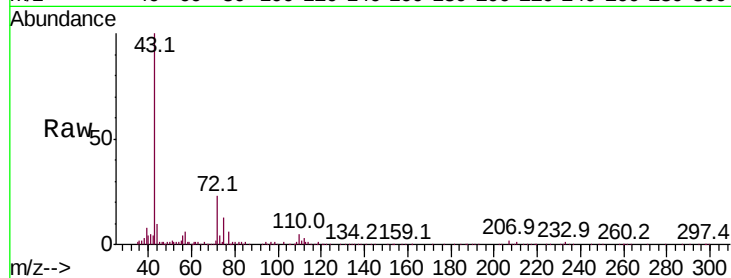
72 22.9 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.514 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF062700.D

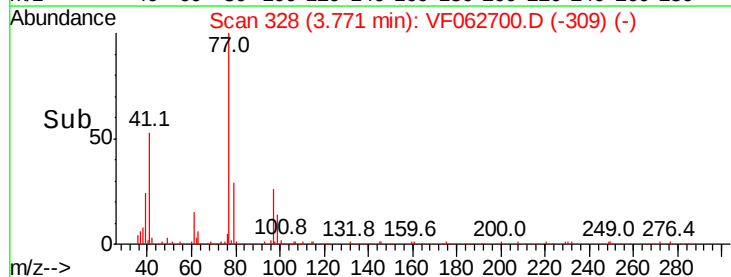
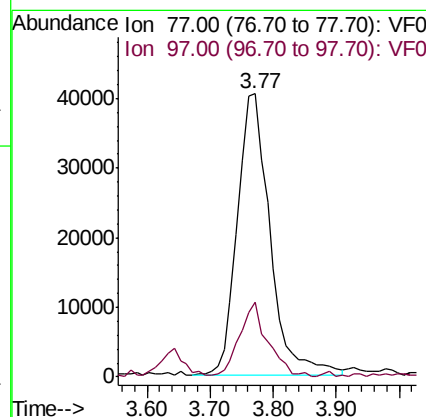
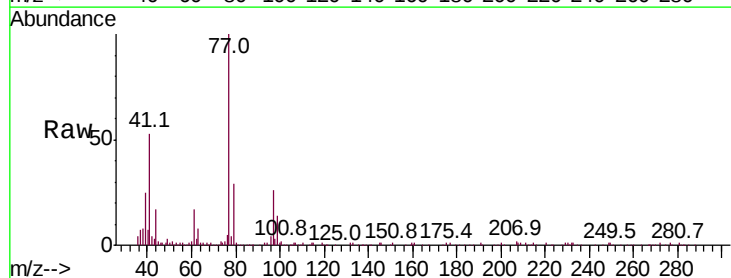
Acq: 22 May 2019 12:38

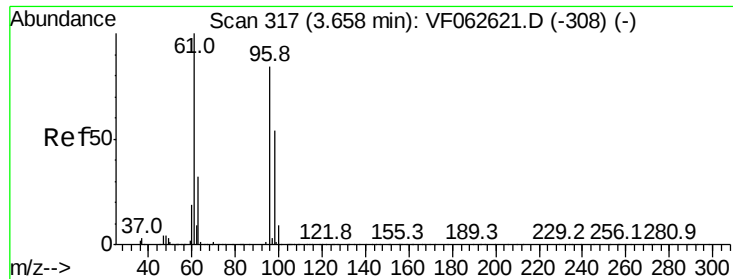
Tgt Ion: 77 Resp: 145556

Ion Ratio Lower Upper

77 100

97 26.4 14.1 42.4





#27

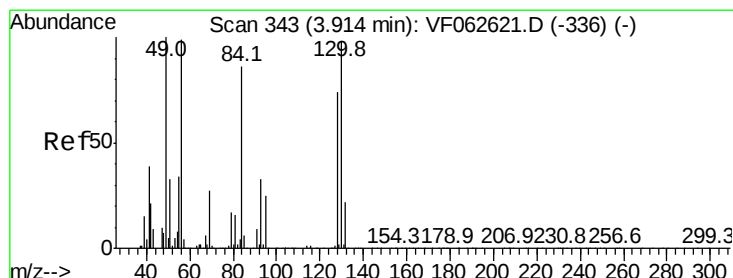
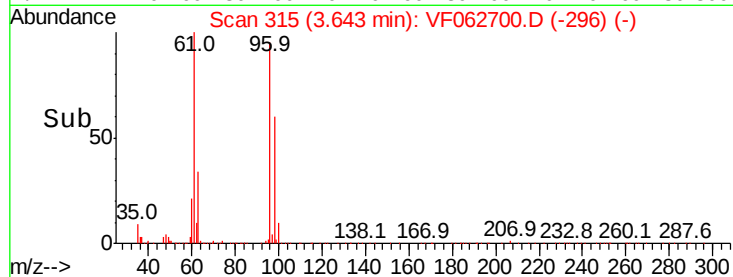
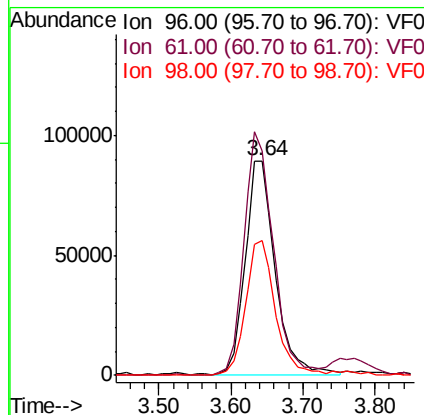
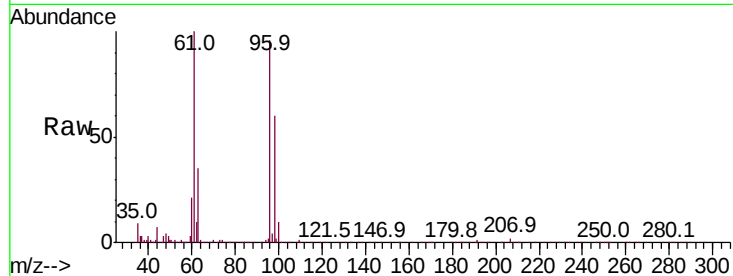
cis-1,2-Dichloroethene
Concen: 22.180 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	257503		
61	104.6	0.0	237.4	
98	63.1	0.0	129.0	

Manual Integrations
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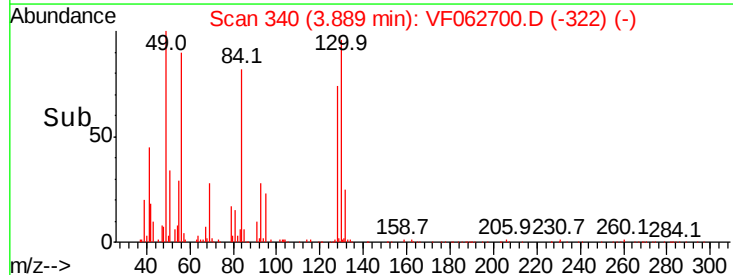
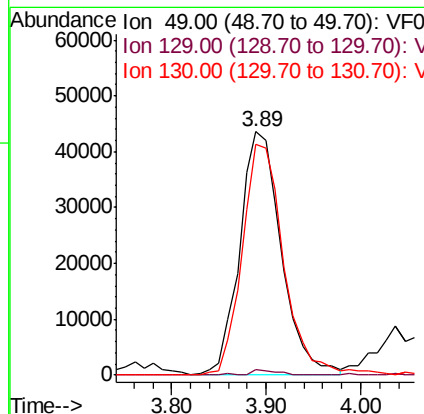
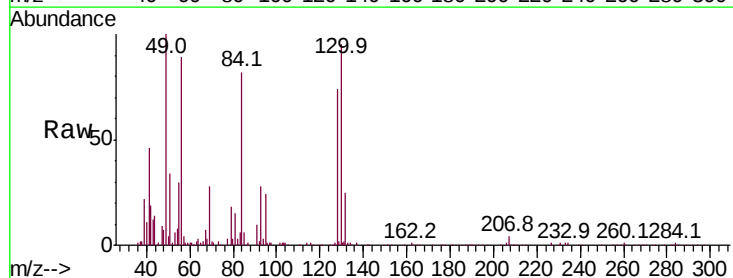
MMDadoda
5/23/2019 12:16:32 PM

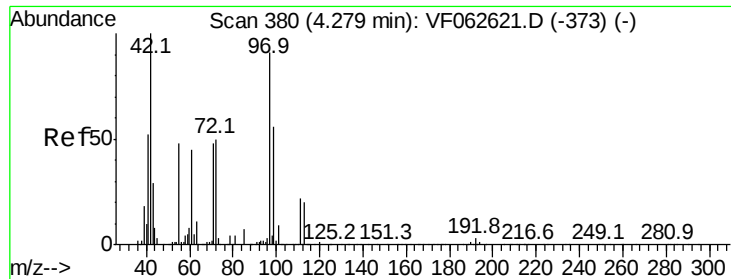


#28

Bromochloromethane
Concen: 19.879 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131831		
129	2.1	0.0	4.0	
130	96.3	77.8	116.8	





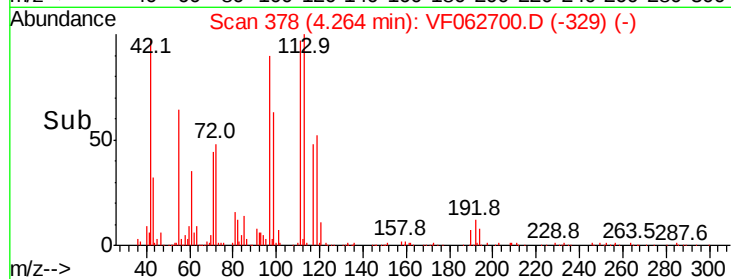
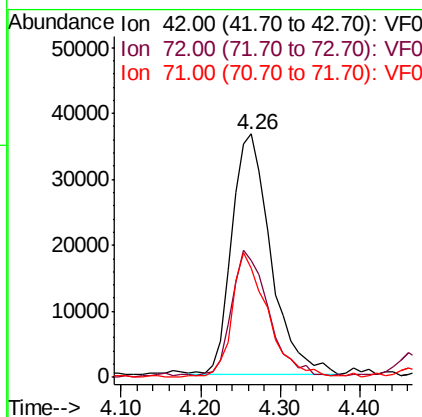
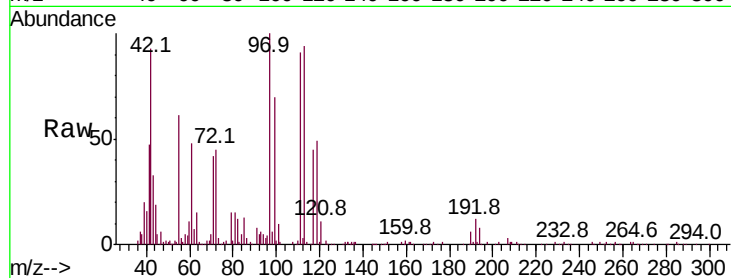
#29
Tetrahydrofuran
Concen: 96.624 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	38.2	57.2
71	48.1	35.8	53.6

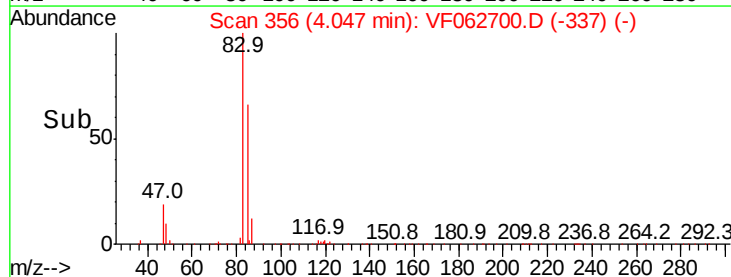
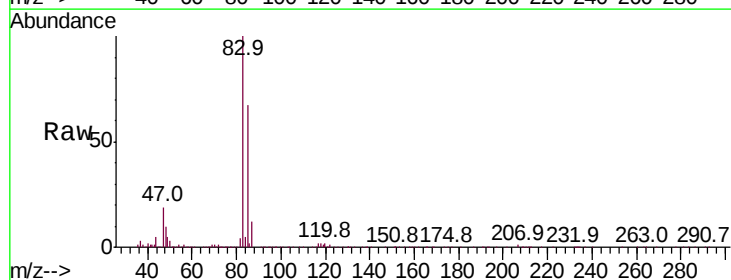
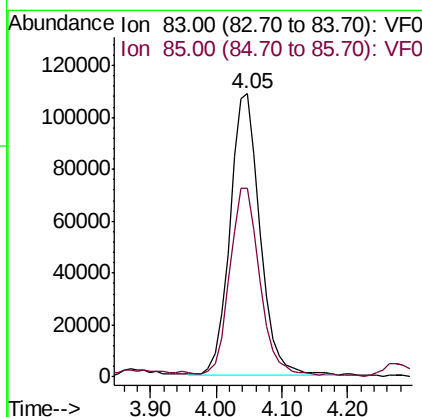
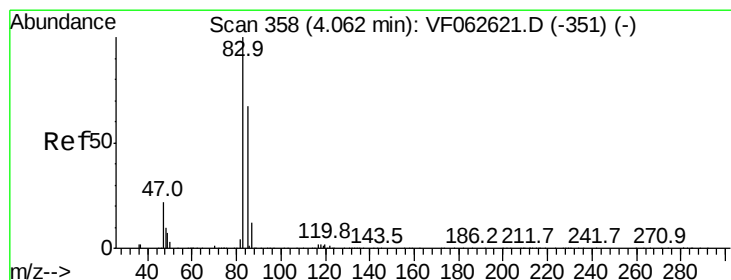
Manual Integrations
APPROVED

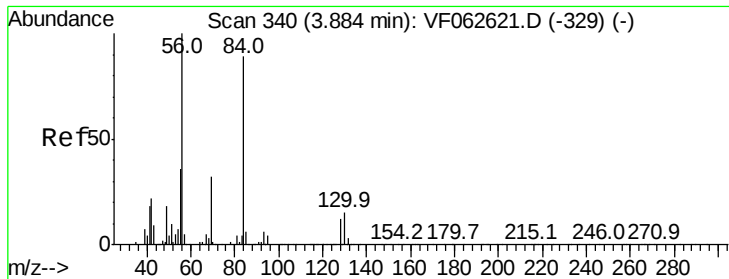
MMDadoda
5/23/2019 12:16:32 PM



#30
Chloroform
Concen: 21.103 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.6	80.4





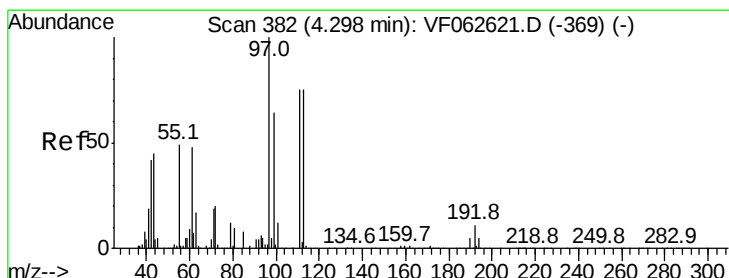
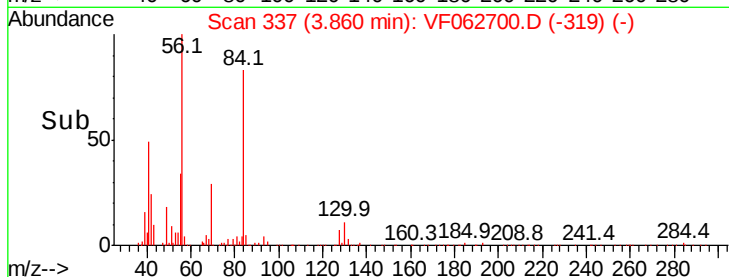
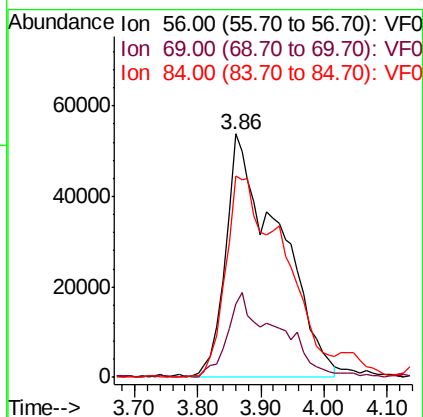
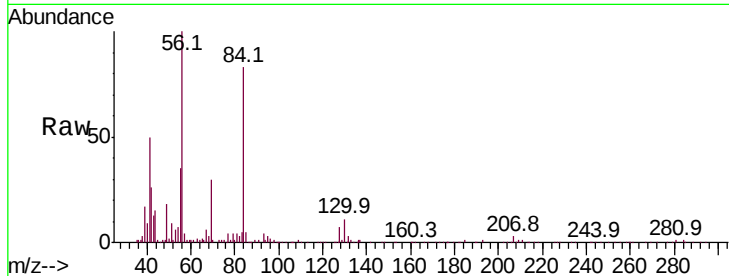
#31
Cyclohexane
Concen: 19.876 ug/l m
RT: 3.86 min Scan# 337
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.3	37.9
84	82.7	71.0	106.4

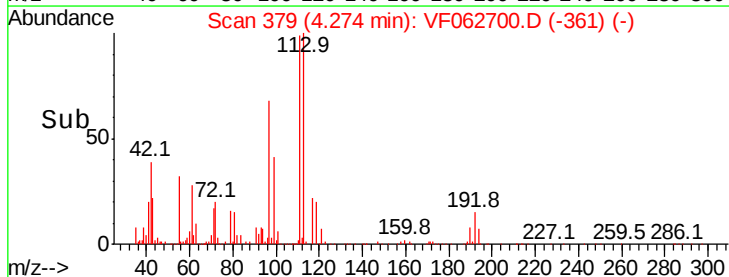
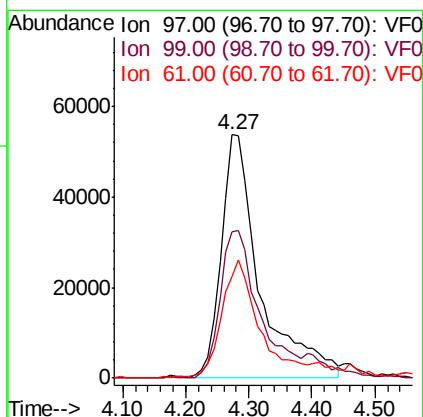
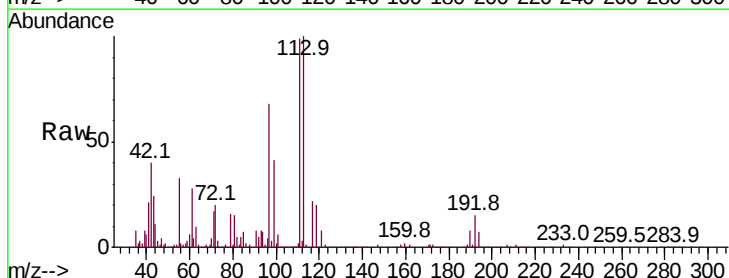
Manual Integrations
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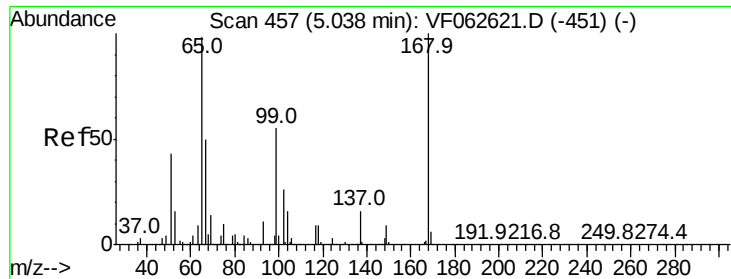
MMDadoda
5/23/2019 12:16:32 PM



#32
1,1,1-Trichloroethane
Concen: 20.858 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.9	51.3	76.9
61	41.7	38.2	57.2





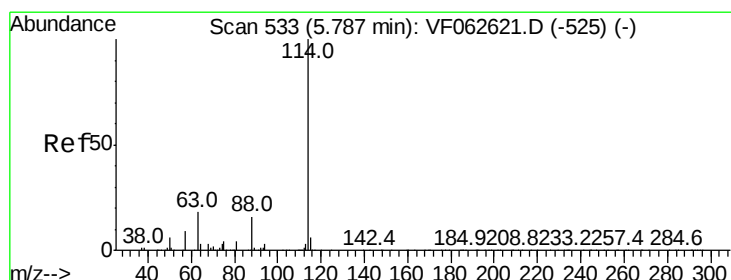
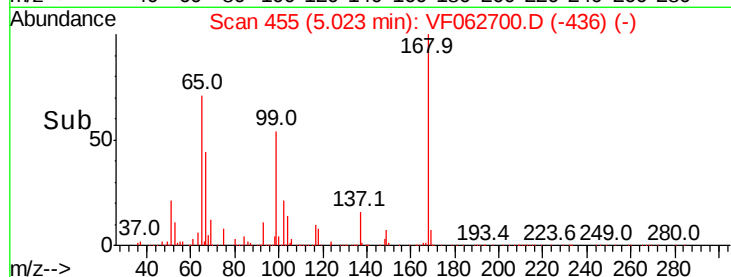
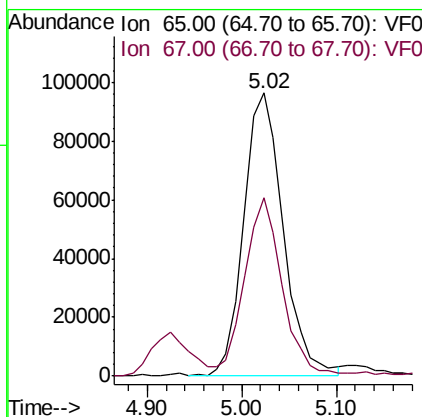
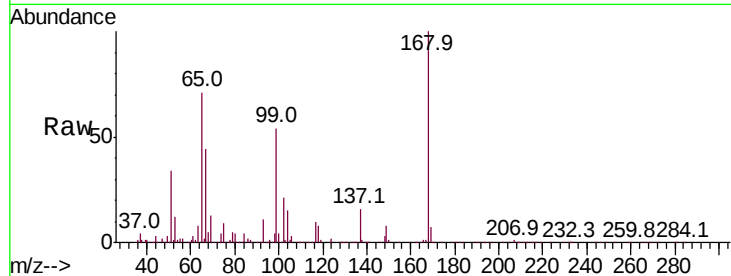
#33
 1,2-Dichloroethane-d4
 Concen: 48.986 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278250		
67	62.8	0.0	117.6	

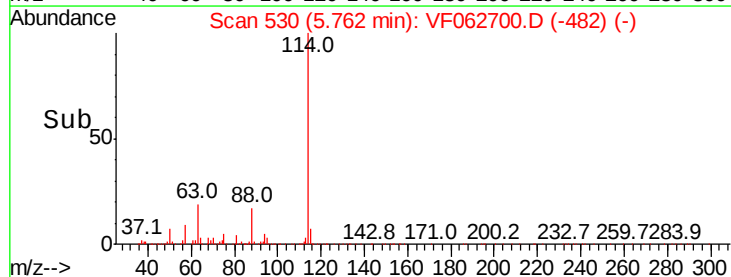
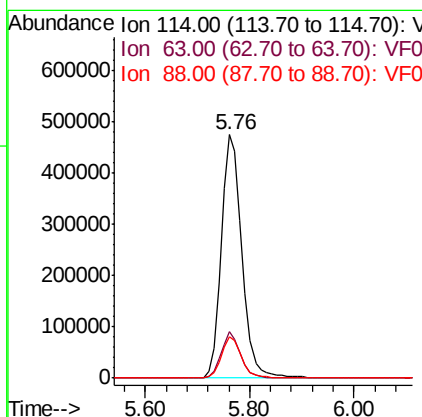
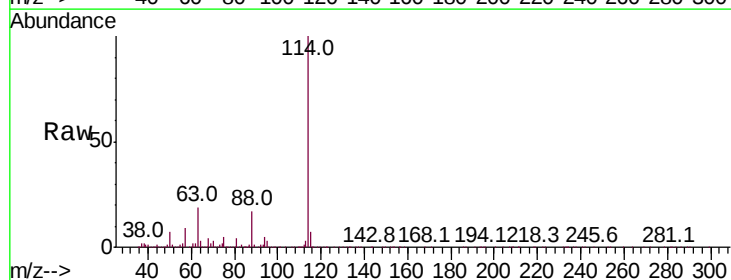
Manual Integrations
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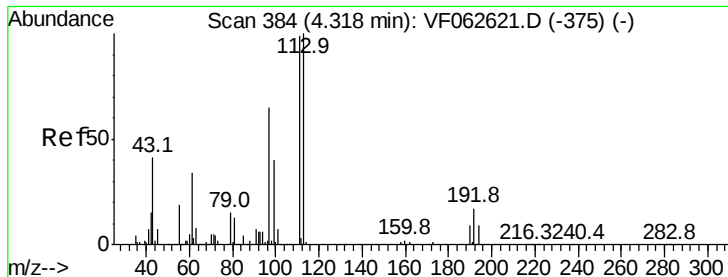
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1298676		
63	19.0	0.0	35.4	
88	17.0	0.0	32.4	





#35

Dibromofluoromethane

Concen: 49.590 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

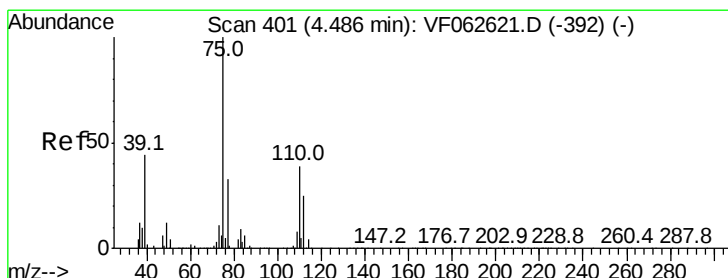
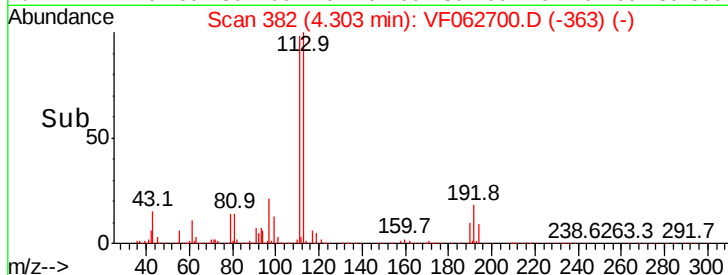
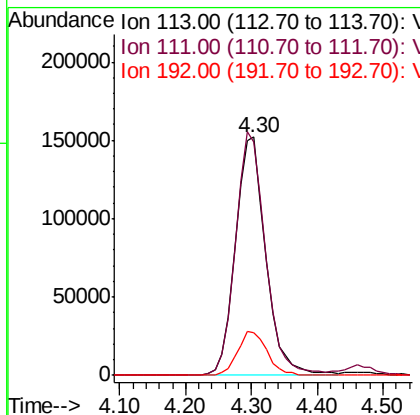
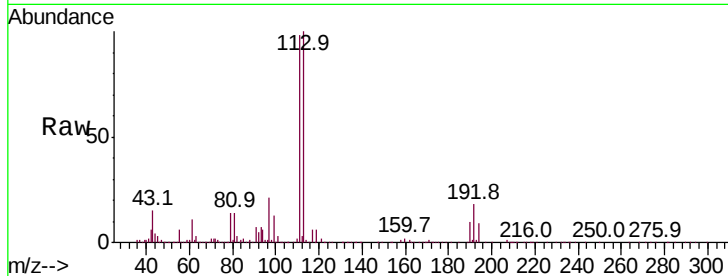
ClientSampleId :

VF0522SBS01

Tot Ion:	113	Resp:	492798
Ion Ratio	Lower	Upper	
113	100		
111	98.2	79.4	119.2
192	17.9	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.463 ug/l

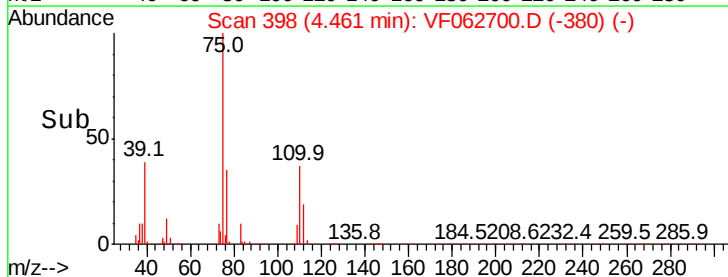
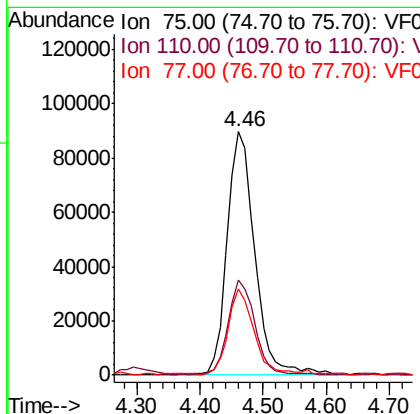
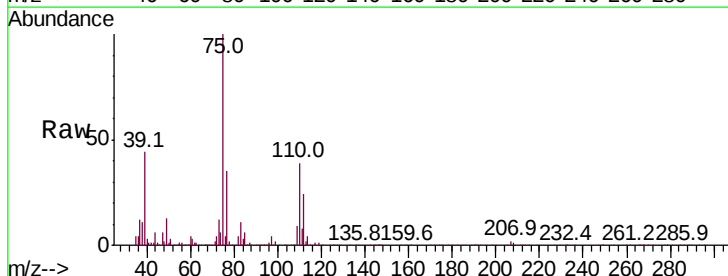
RT: 4.46 min Scan# 398

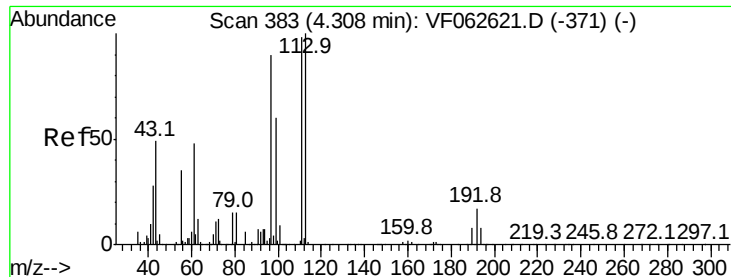
Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	75	Resp:	272308
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.7	59.1
77	35.2	26.3	39.5





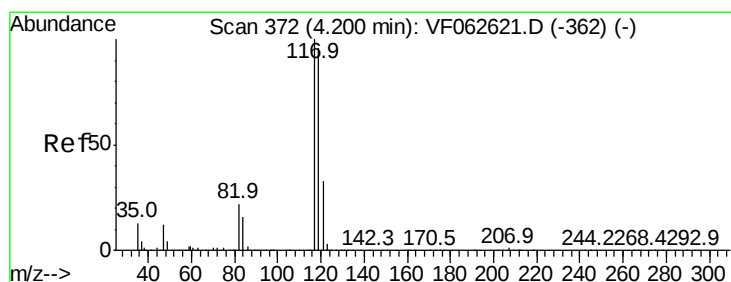
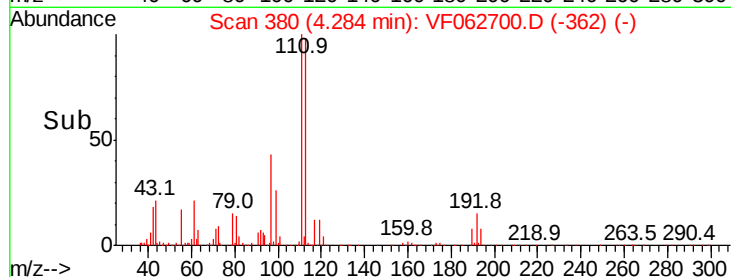
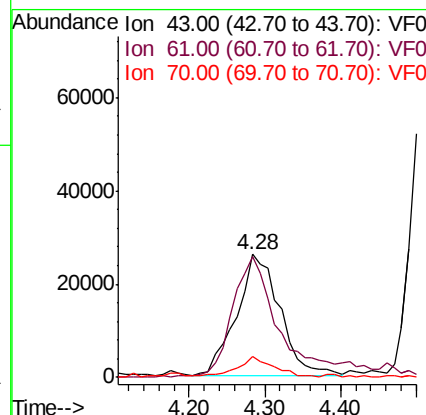
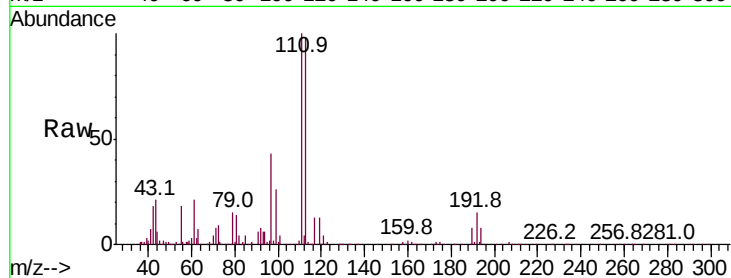
#37
Ethyl Acetate
Concen: 18.820 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	98.4	76.9	115.3	
70	17.0	8.8	13.2	

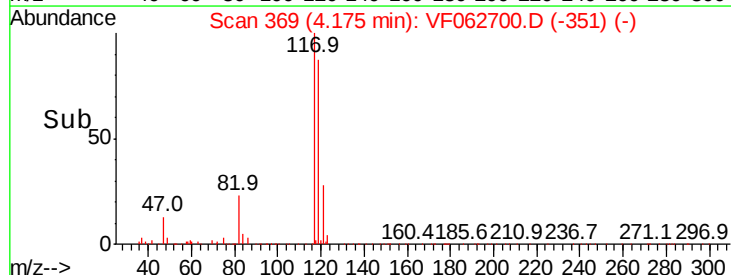
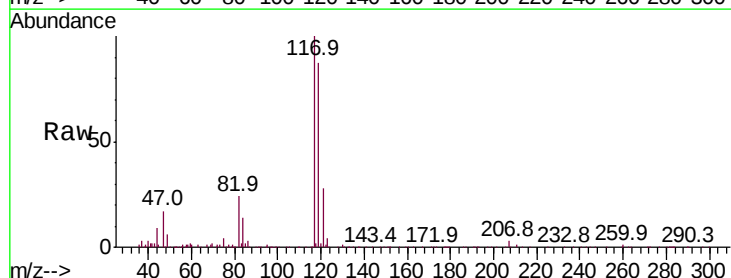
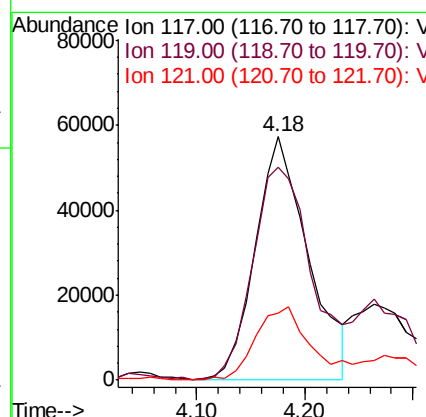
Manual Integrations
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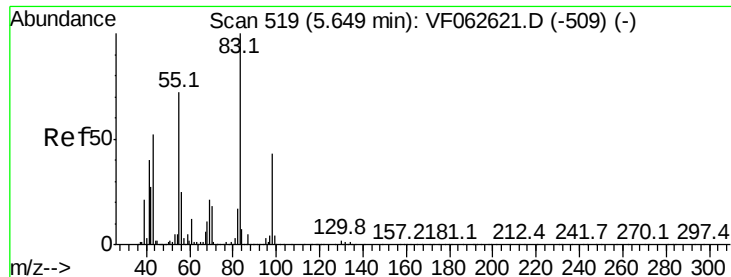
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#38
Carbon Tetrachloride
Concen: 19.530 ug/l
RT: 4.18 min Scan# 369
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	87.5	76.7	115.1	
121	27.6	26.6	40.0	





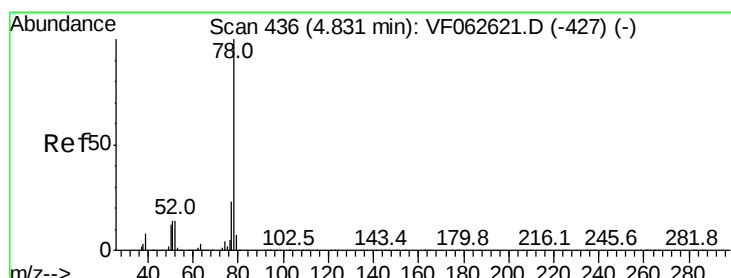
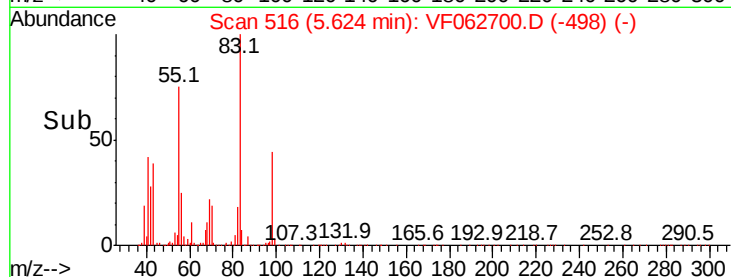
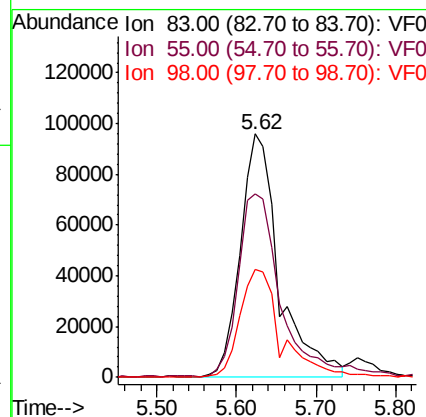
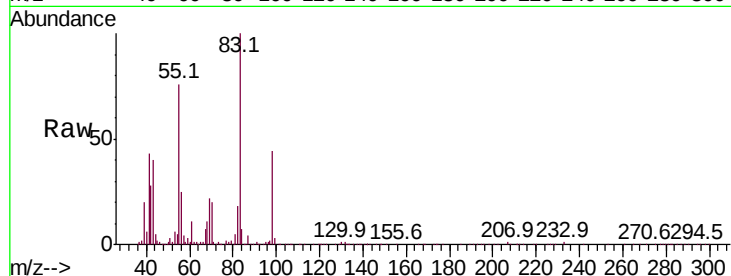
#39
Methvlcvclohexane
Concen: 20.088 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	57.9	86.9
98	44.4	34.6	52.0

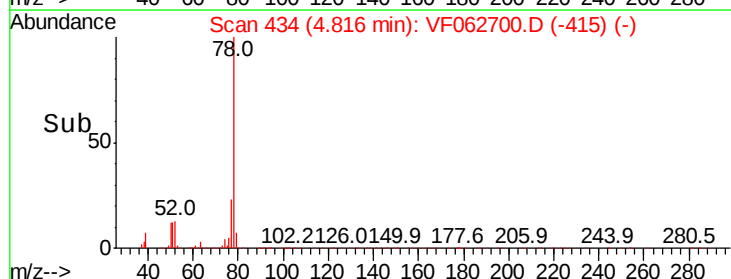
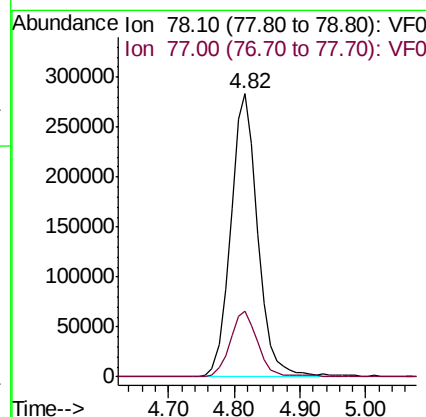
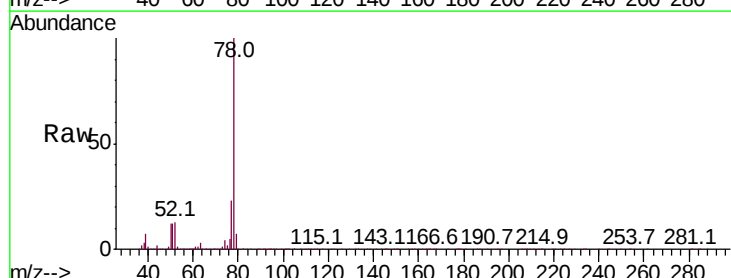
Manual Integrations
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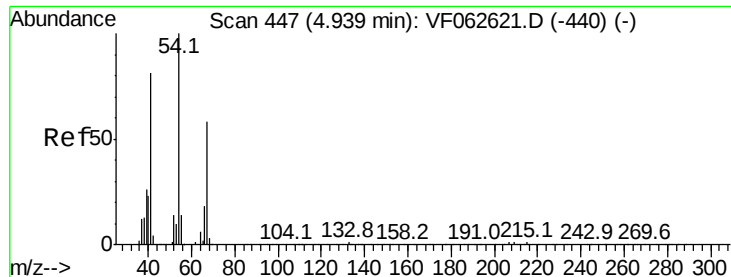
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#40
Benzene
Concen: 22.376 ug/l
RT: 4.82 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2





#41

Methacrylonitrile

Concen: 19.543 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

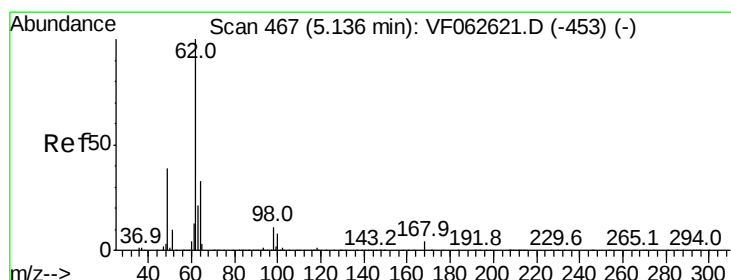
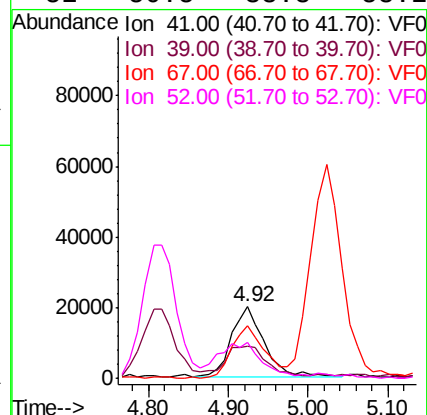
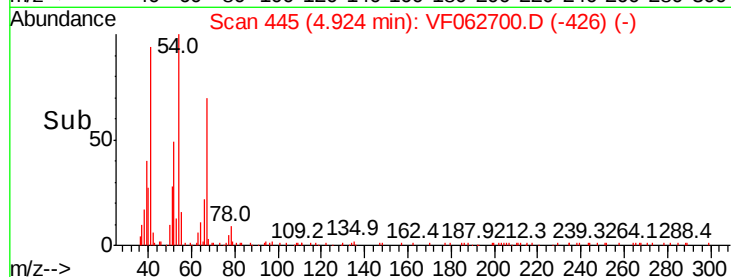
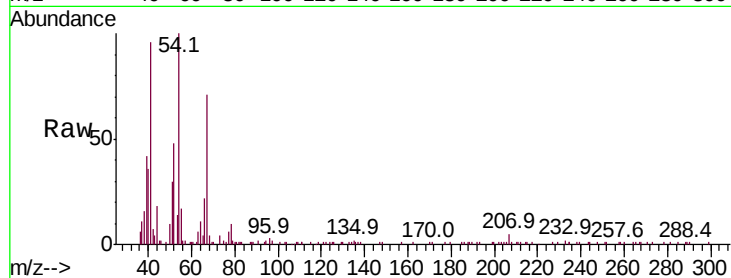
ClientSampleId :

VF0522SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.3	42.2	63.2
67	73.7	56.4	84.6
52	50.5	38.8	58.2

Manual Integrations
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MMDadoda
5/23/2019 12:16:32 PM



#42

1,2-Dichloroethane

Concen: 21.647 ug/l

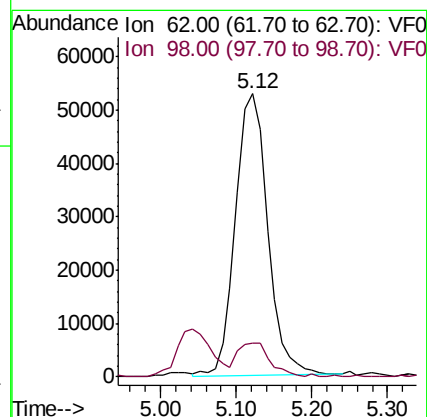
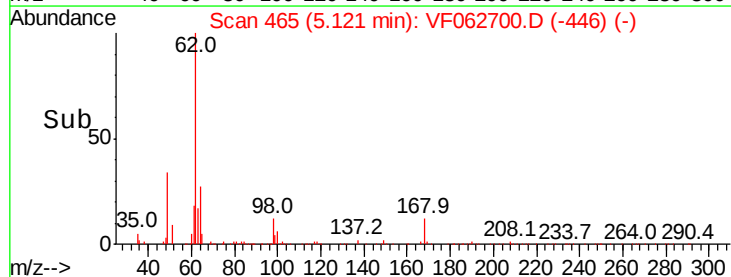
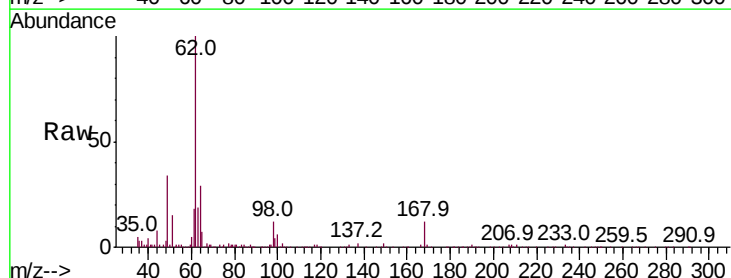
RT: 5.12 min Scan# 465

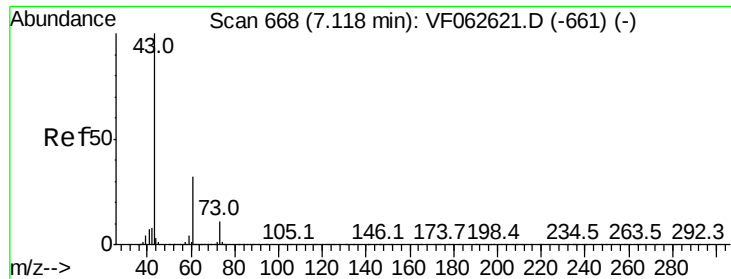
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	21.6





#43

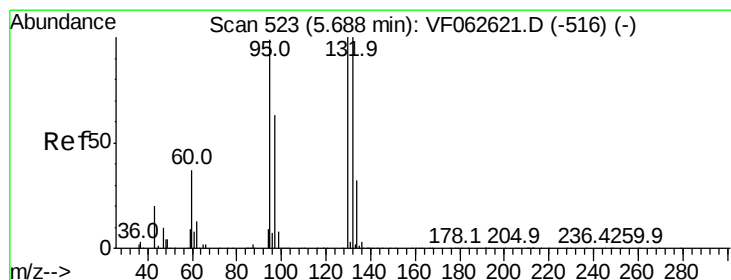
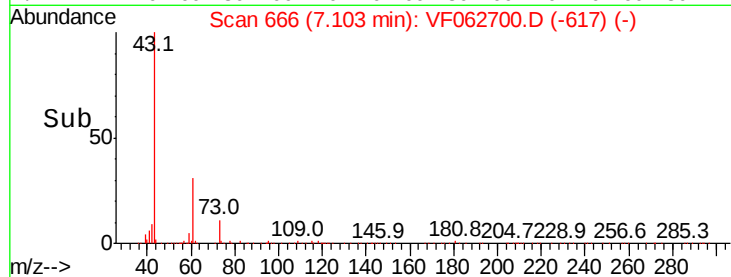
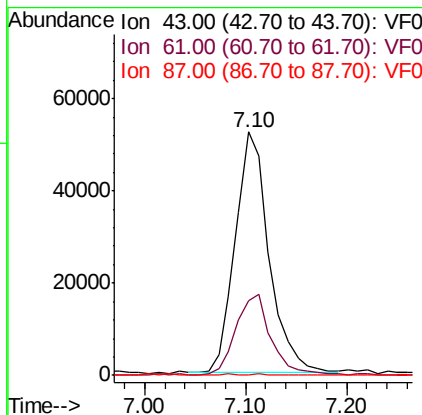
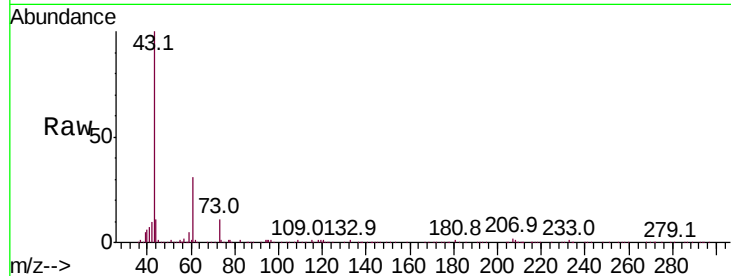
Isopropyl Acetate
 Concen: 17.376 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.8	38.8
87	0.4	0.4	0.6

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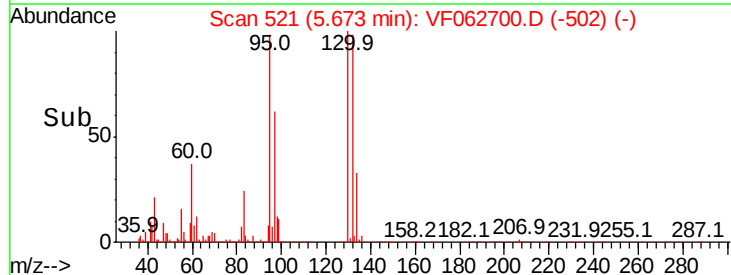
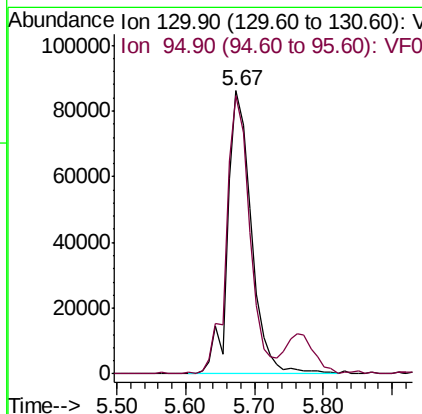
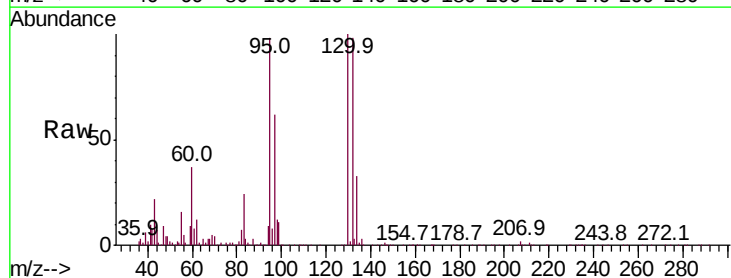
MMDadoda
 5/23/2019 12:16:32 PM

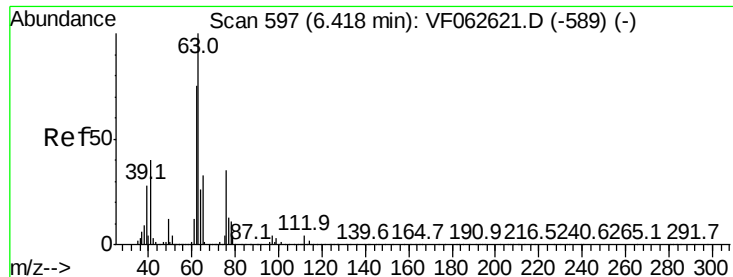


#44

Trichloroethene
 Concen: 20.244 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 21.201 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 63 Resp: 194021

Ion Ratio Lower Upper

63 100

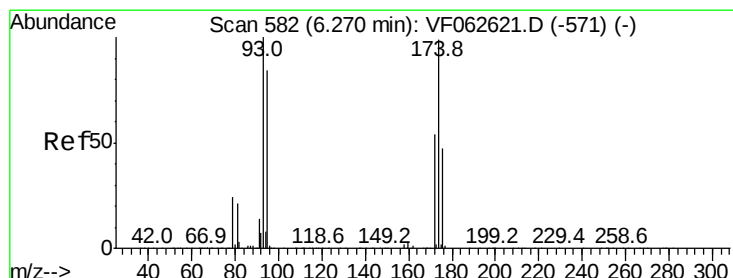
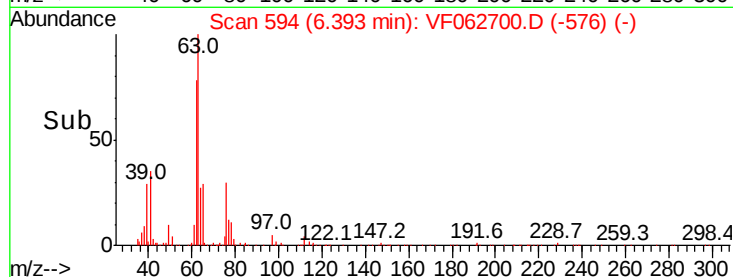
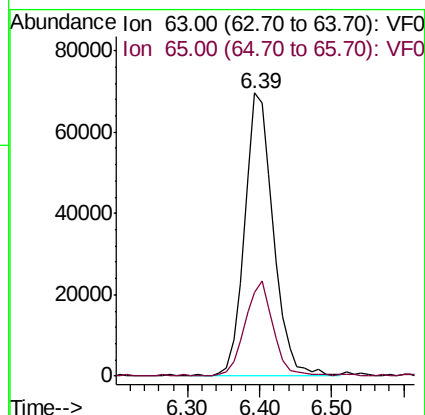
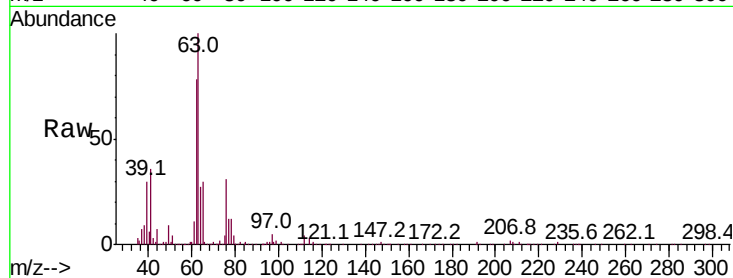
65 29.7 26.3 39.5

Manual Integrations

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MMDadoda

5/23/2019 12:16:32 PM



#46

Dibromomethane

Concen: 22.103 ug/l

RT: 6.26 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

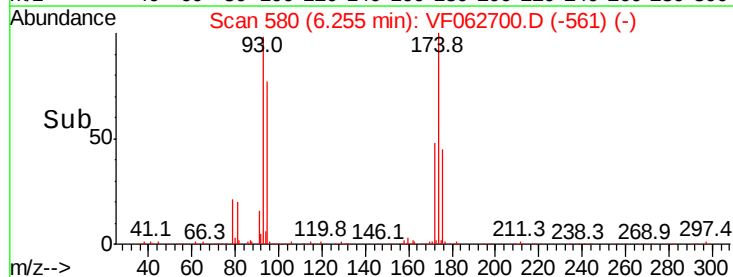
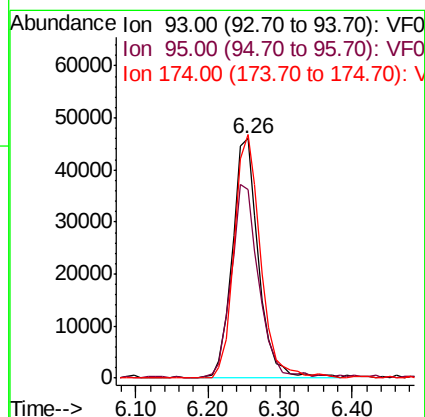
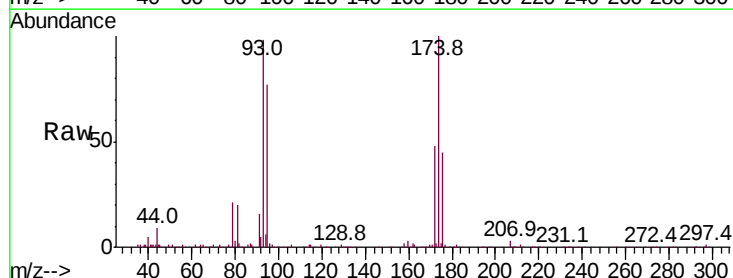
Tgt Ion: 93 Resp: 116899

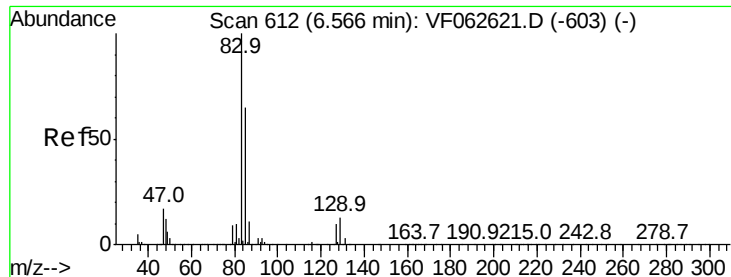
Ion Ratio Lower Upper

93 100

95 78.8 67.4 101.2

174 101.8 79.4 119.2





#47

Bromodichloromethane

Concen: 21.408 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

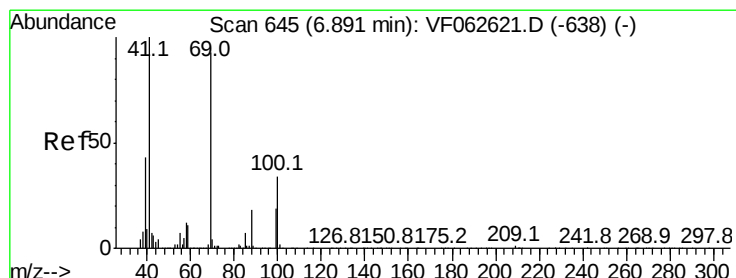
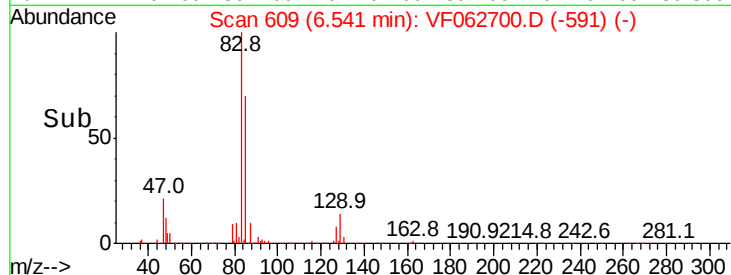
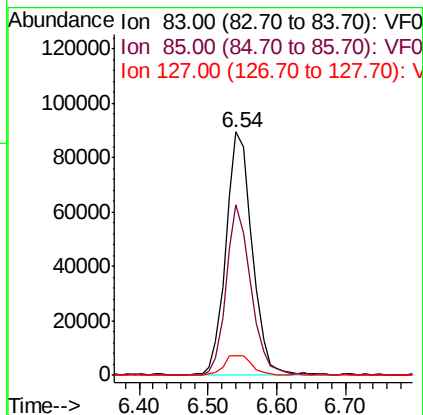
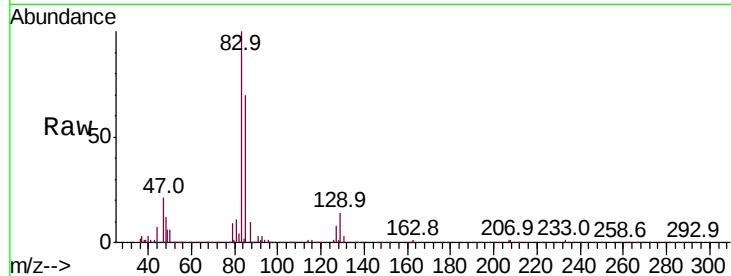
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	235056
Ion Ratio	Lower	Upper	
83	100		
85	70.2	52.0	78.0
127	8.0	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.539 ug/l

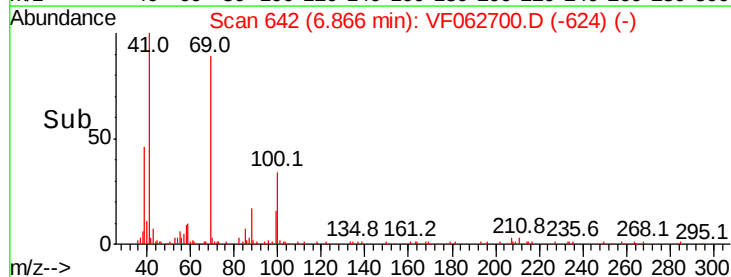
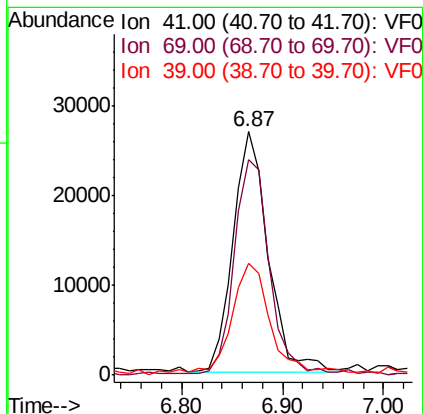
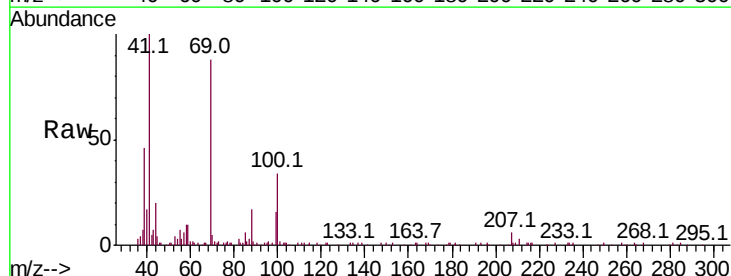
RT: 6.87 min Scan# 642

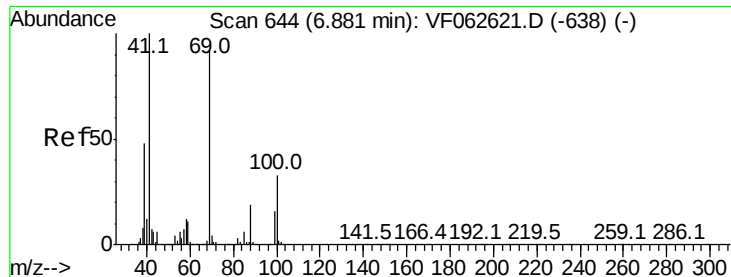
Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	41	Resp:	64531
Ion Ratio	Lower	Upper	
41	100		
69	88.3	74.2	111.2
39	45.7	34.2	51.4





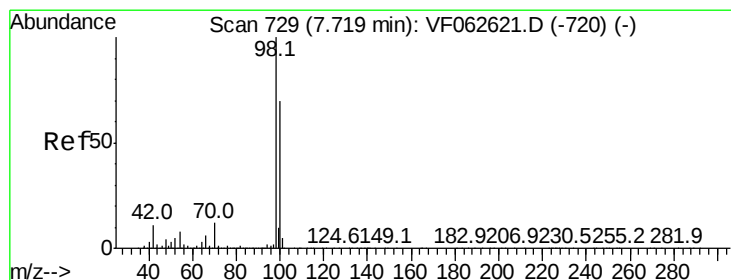
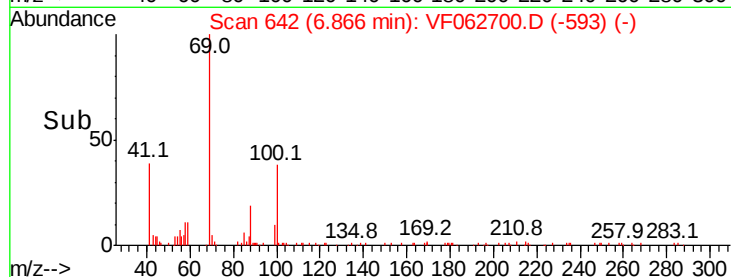
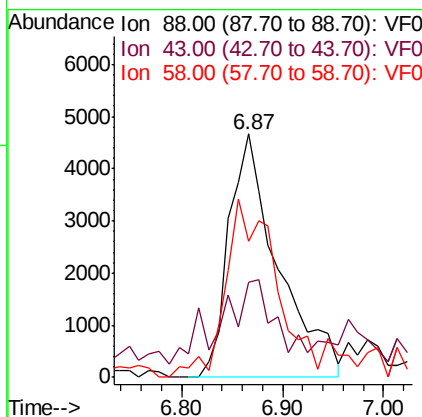
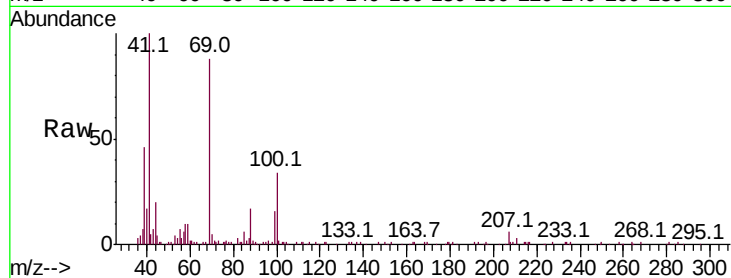
#49
1,4-Dioxane
Concen: 335.604 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15815		
43	39.2		30.0	45.0
58	56.1		51.1	76.7

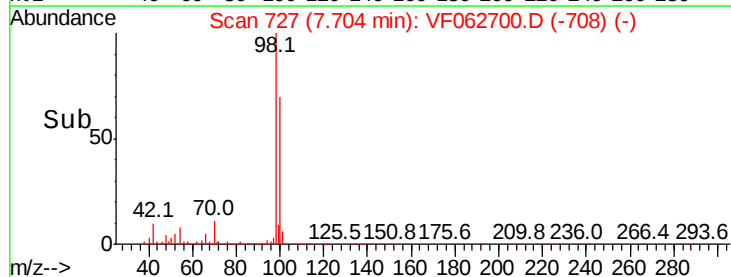
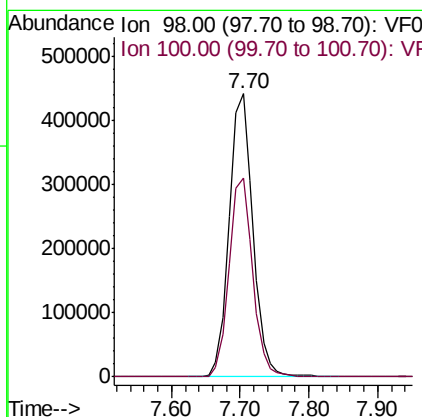
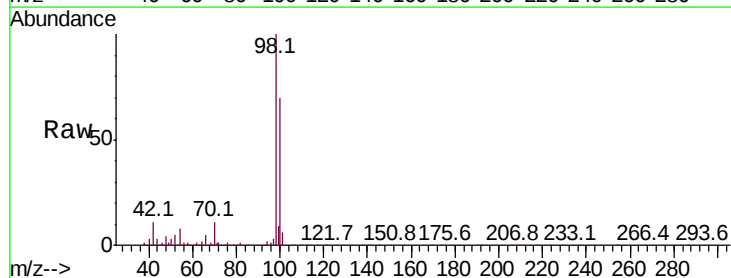
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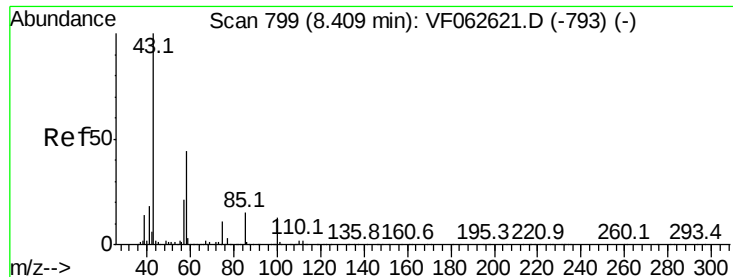
MMDadoda
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#50
Toluene-d8
Concen: 44.441 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1054442		
100	70.5		56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 97.117 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

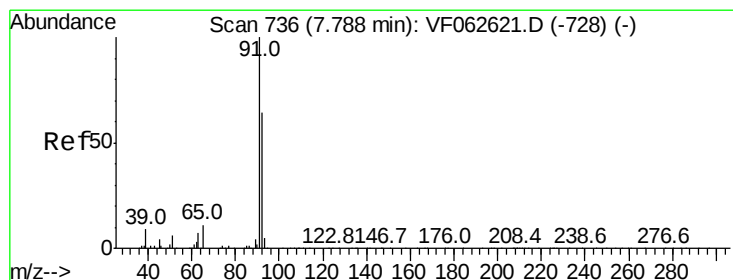
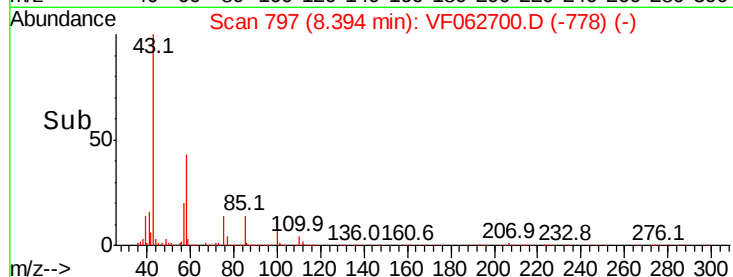
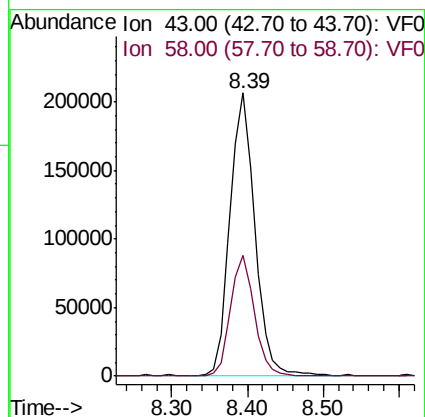
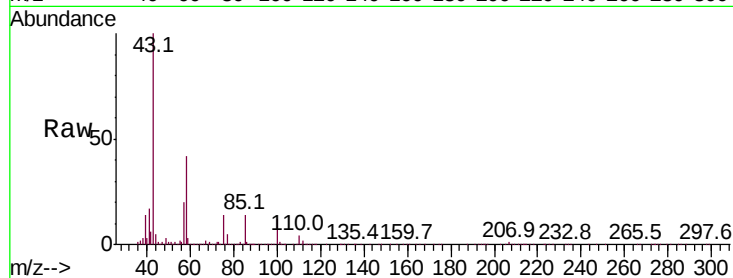
ClientSampleId :

VF0522SBS01

Tot Ion:	43	Resp:	467287
Ion Ratio	Lower	Upper	
43	100		
58	42.5	34.9	52.3

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#52

Toluene

Concen: 20.971 ug/l

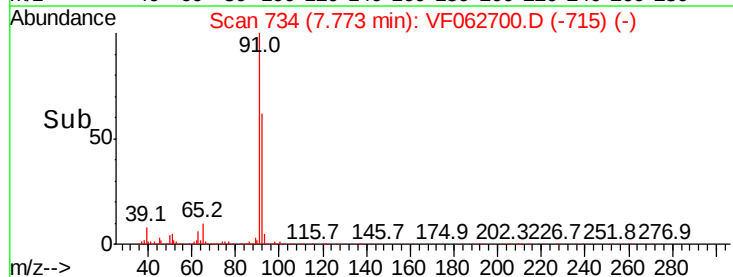
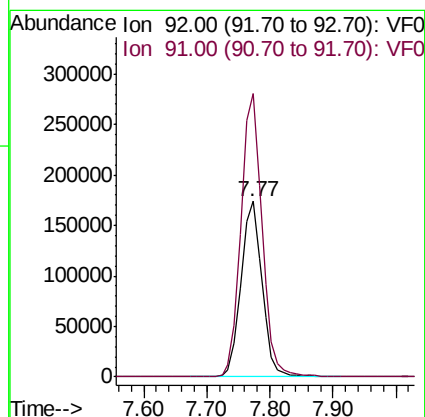
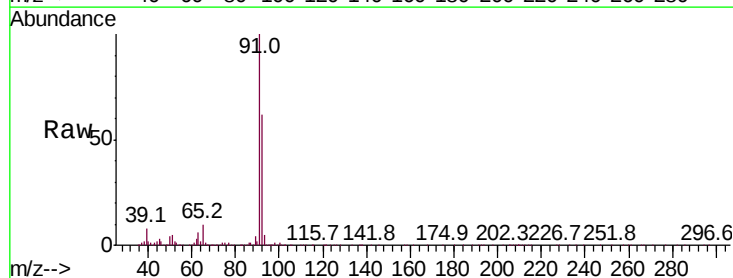
RT: 7.77 min Scan# 734

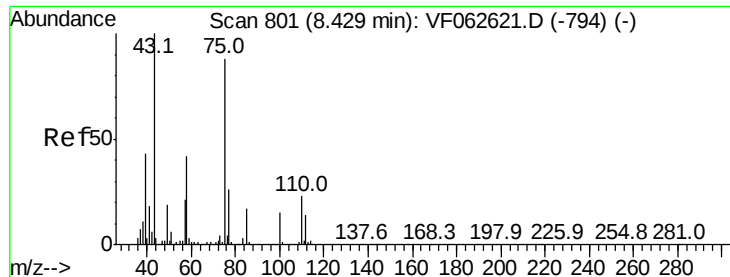
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	92	Resp:	398709
Ion Ratio	Lower	Upper	
92	100		
91	161.5	125.4	188.0





#53

t-1,3-Dichloropropene

Concen: 20.617 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 75 Resp: 185197

Ion Ratio Lower Upper

75 100

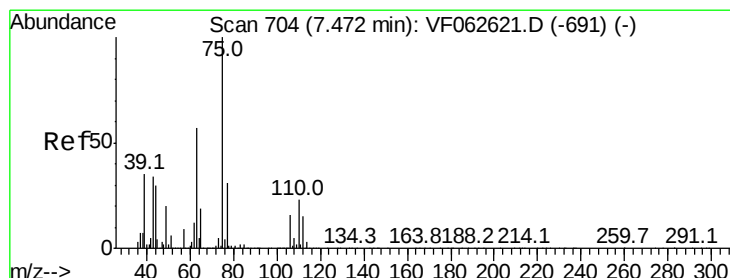
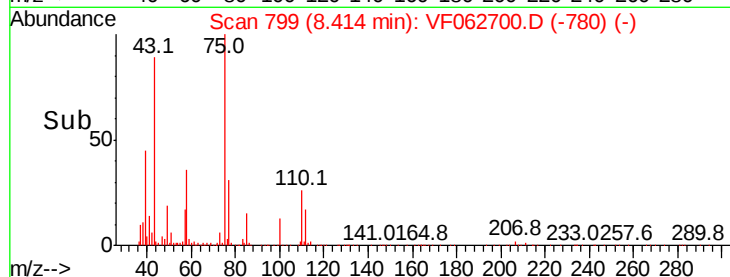
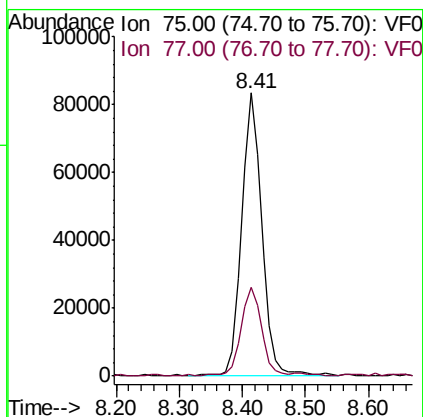
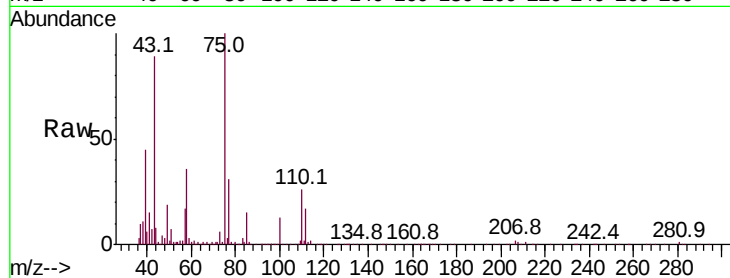
77 31.3 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 20.907 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

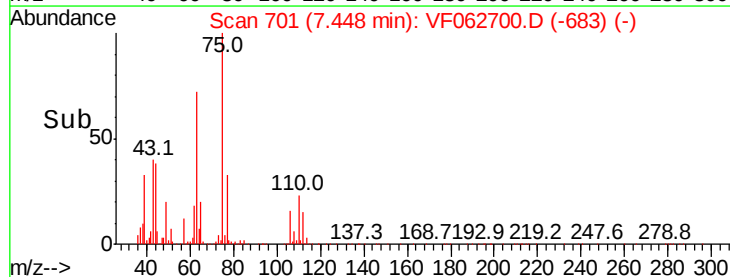
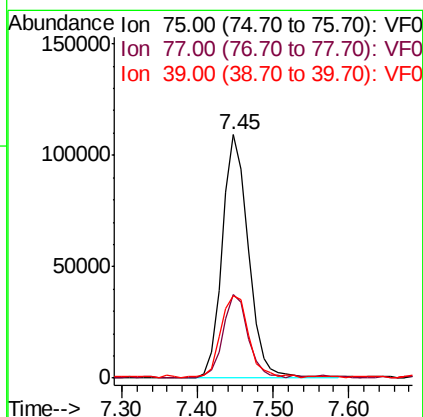
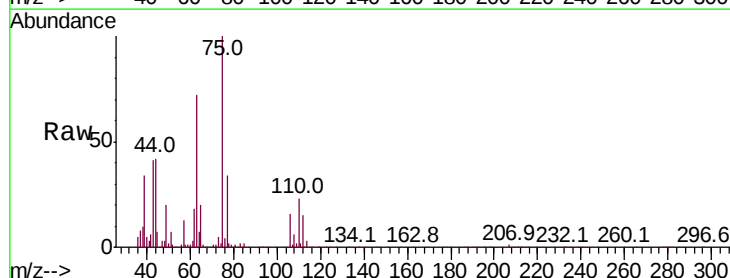
Tgt Ion: 75 Resp: 262894

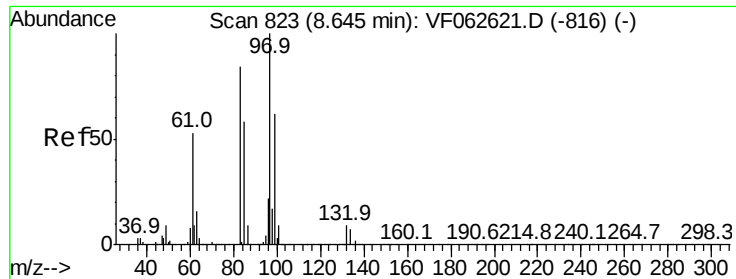
Ion Ratio Lower Upper

75 100

77 34.2 25.3 37.9

39 33.8 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 19.445 ug/l

RT: 8.62 min Scan# 820

Delta R.T. -0.02 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

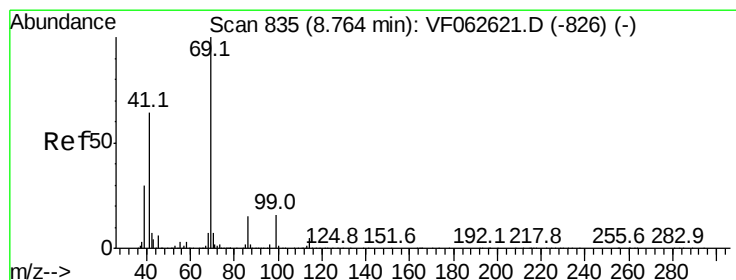
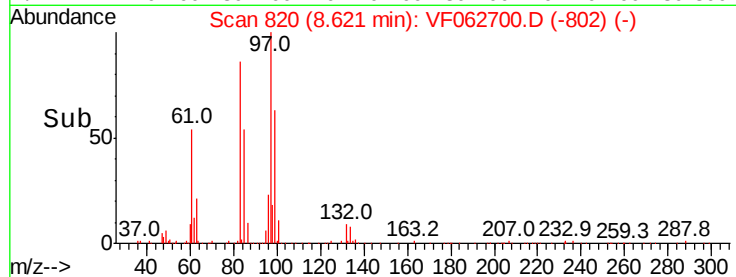
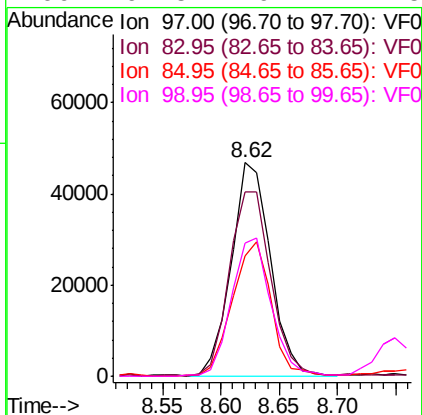
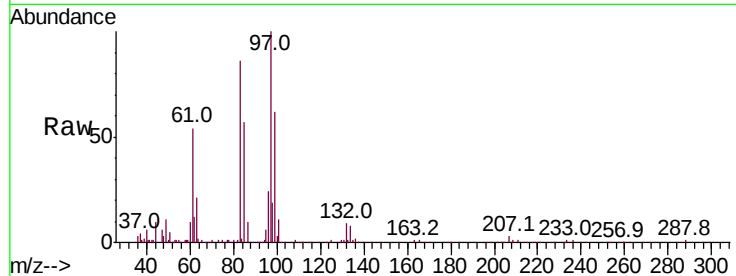
ClientSampleId :

VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.4	67.3	100.9	
85	56.6	46.6	69.8	
99	62.5	49.7	74.5	

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.642 ug/l

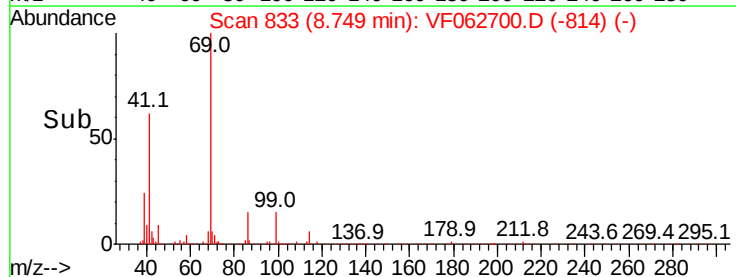
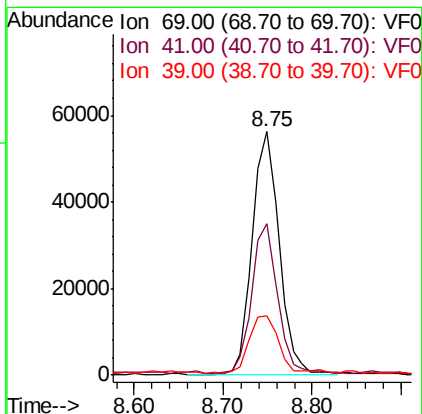
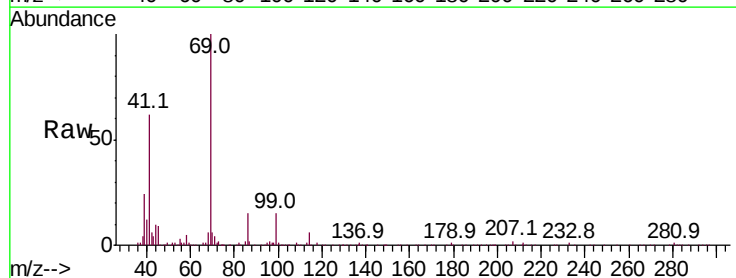
RT: 8.75 min Scan# 833

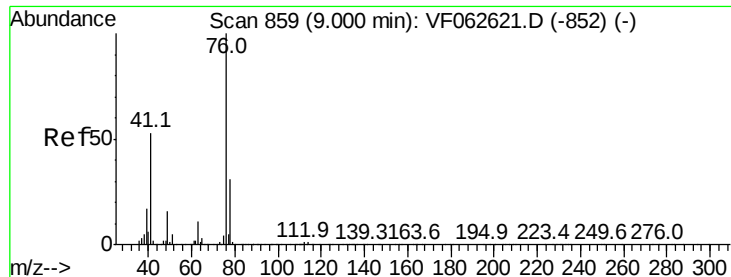
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	62.0	51.4	77.2	
39	24.1	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 19.999 ug/l

RT: 8.99 min Scan# 857

Delta R.T. -0.01 min

Lab File: VF062700.D

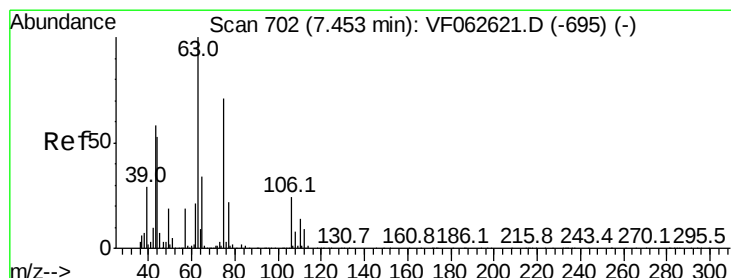
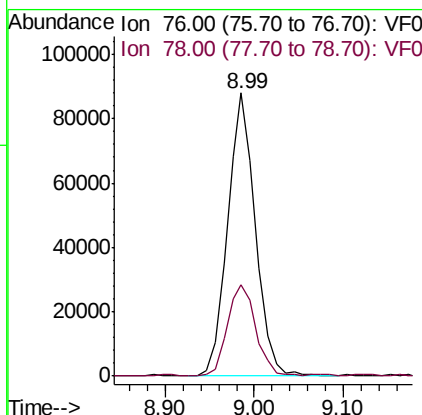
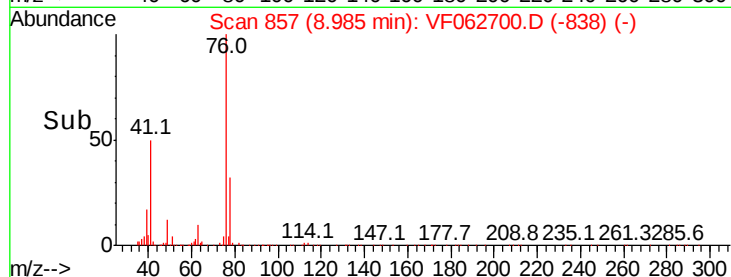
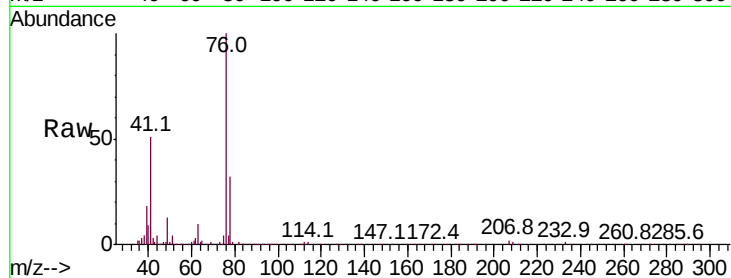
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 92.033 ug/l

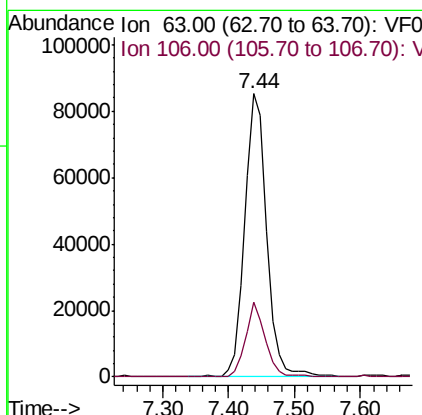
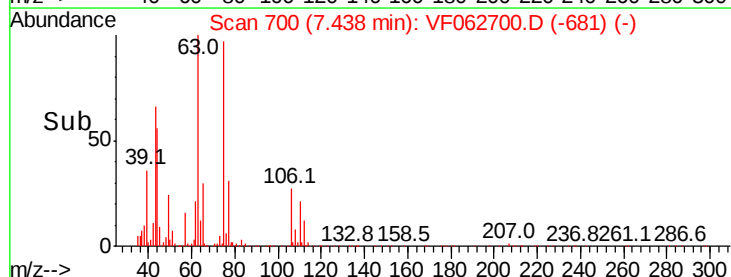
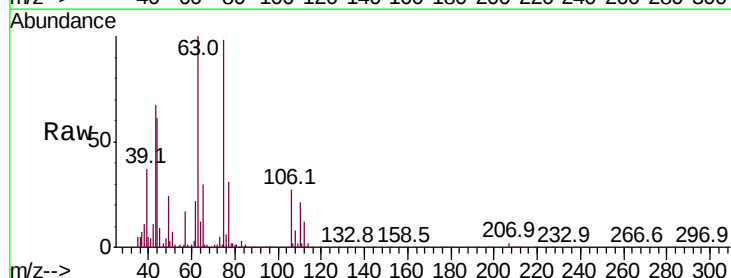
RT: 7.44 min Scan# 700

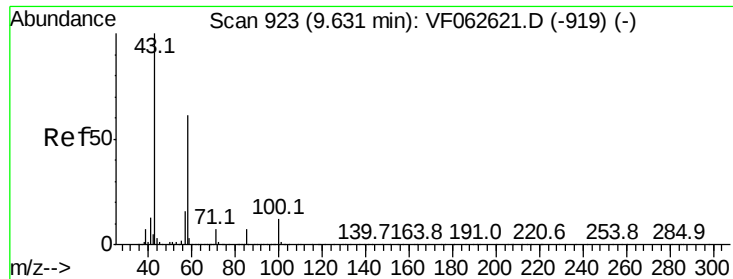
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	19.1	28.7





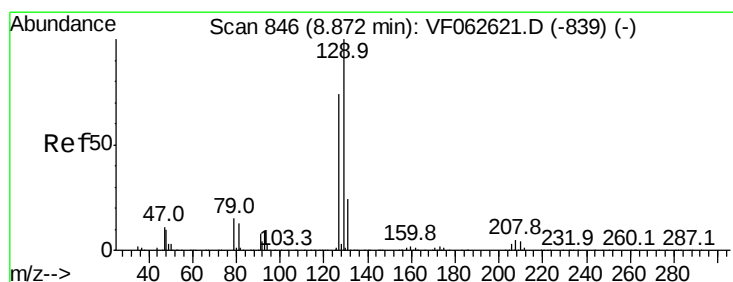
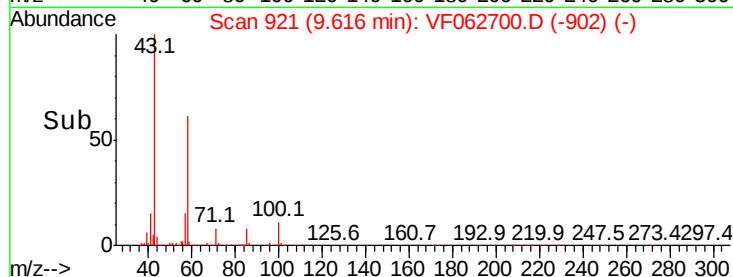
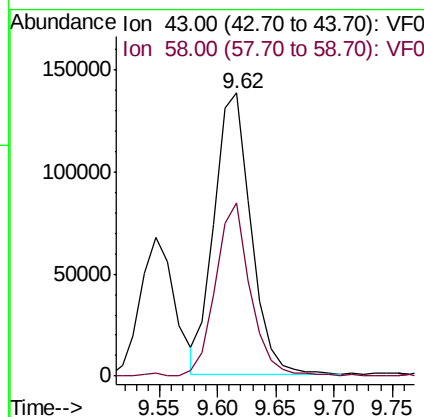
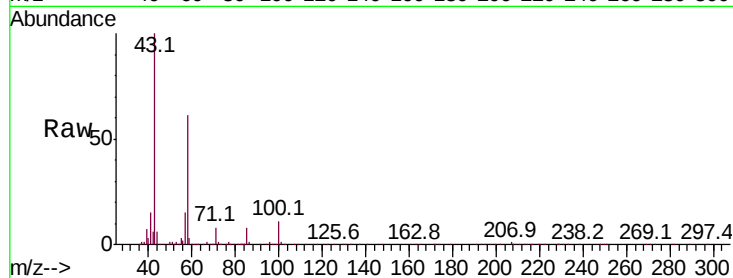
#59
2-Hexanone
Concen: 85.132 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion: 43 Resp: 303304
Ion Ratio Lower Upper
43 100
58 61.2 28.1 84.4

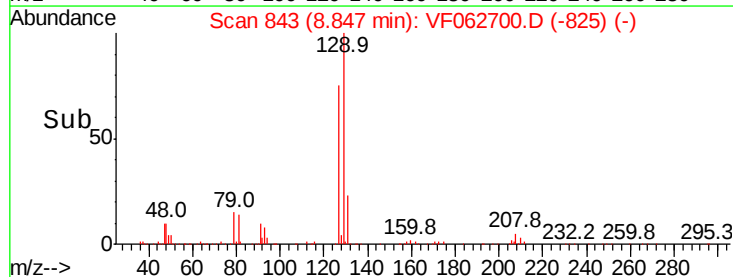
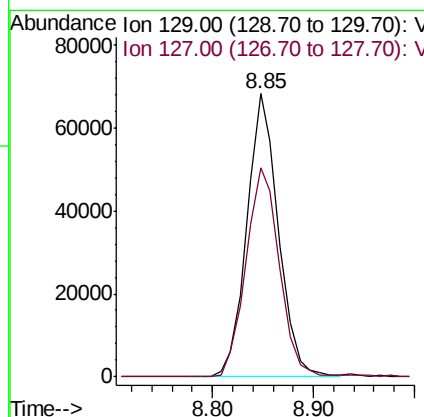
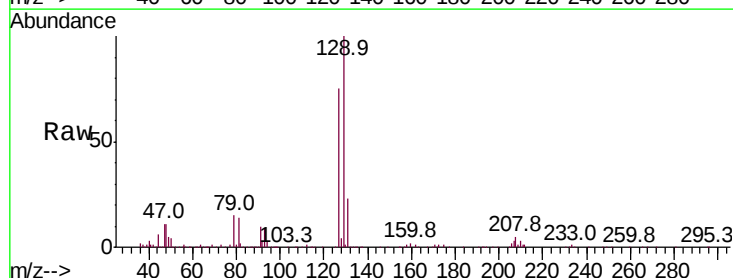
Manual Integrations
APPROVED

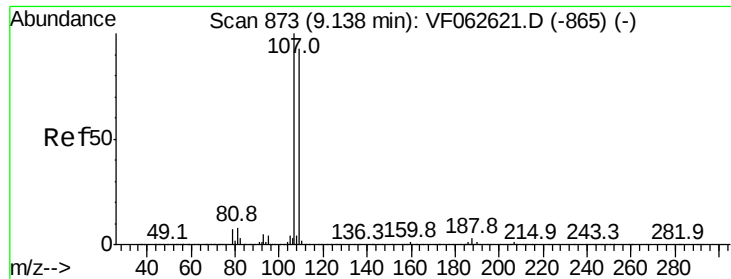
MMDadoda
5/23/2019 12:16:32 PM



#60
Dibromochloromethane
Concen: 20.285 ug/l
RT: 8.85 min Scan# 843
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 129 Resp: 148833
Ion Ratio Lower Upper
129 100
127 74.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.031 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion:107 Resp: 119769

Ion Ratio Lower Upper

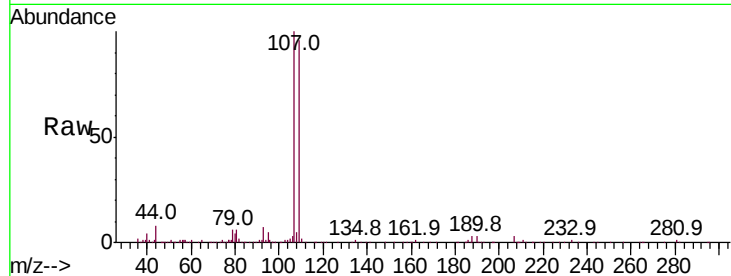
107 100

109 95.6 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

5/23/2019 12:16:32 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

30000

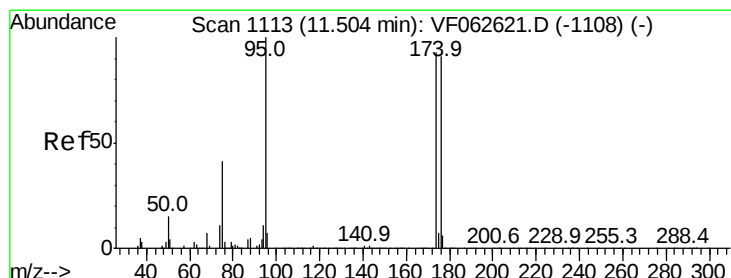
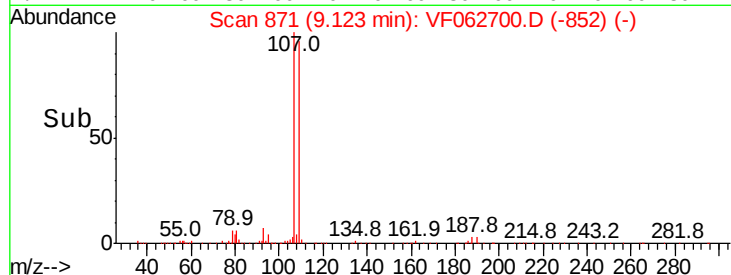
20000

10000

0

9.00 9.10 9.20

Time-->



#62

4-Bromofluorobenzene

Concen: 39.170 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

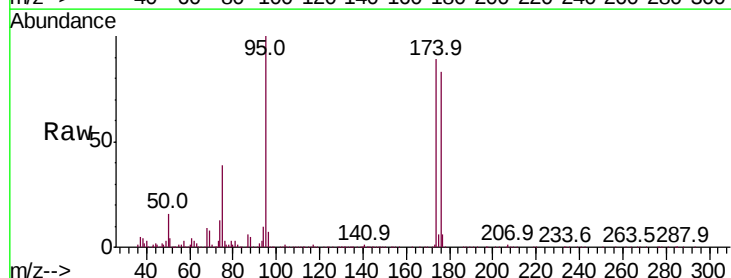
Tgt Ion: 95 Resp: 352485

Ion Ratio Lower Upper

95 100

174 89.3 0.0 185.6

176 82.9 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

250000

200000

150000

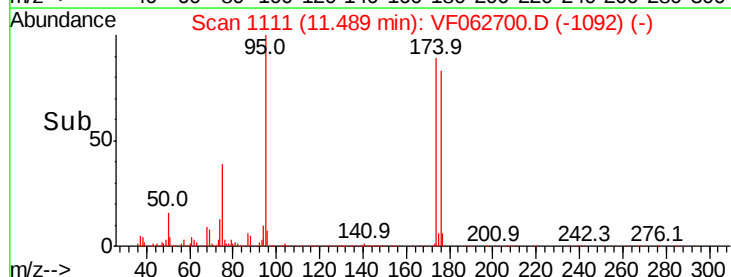
100000

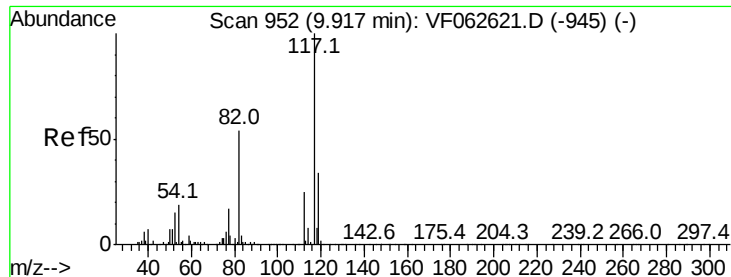
50000

0

11.40 11.50 11.60

Time-->





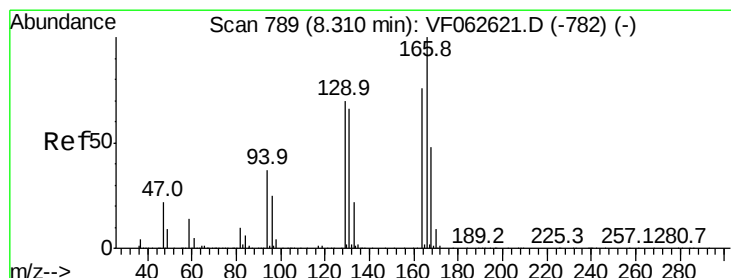
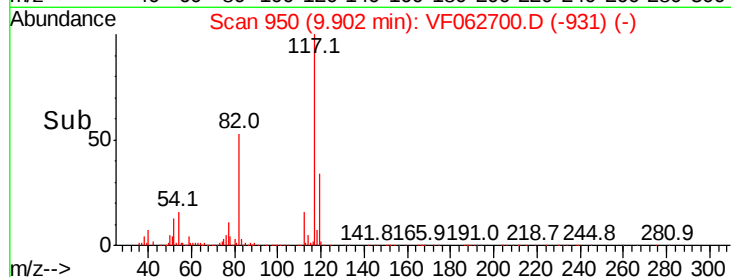
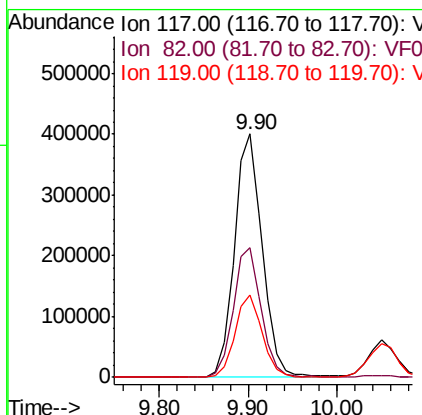
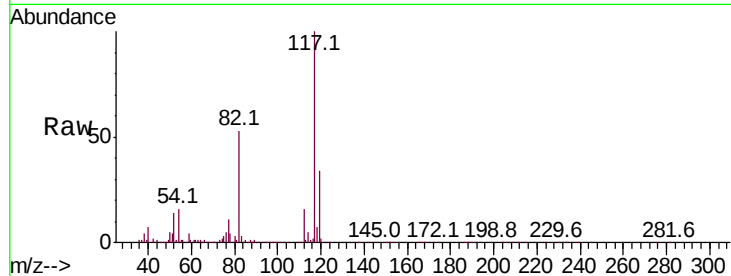
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	872466		
82	53.3		43.3	64.9
119	33.7		27.4	41.0

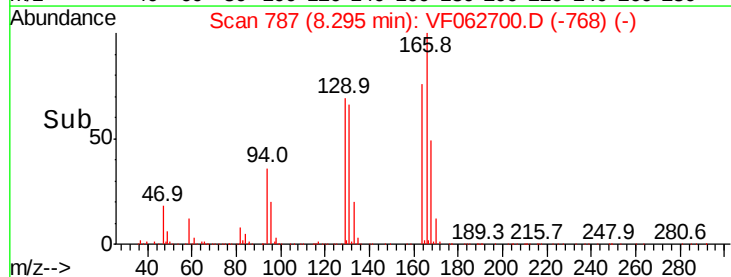
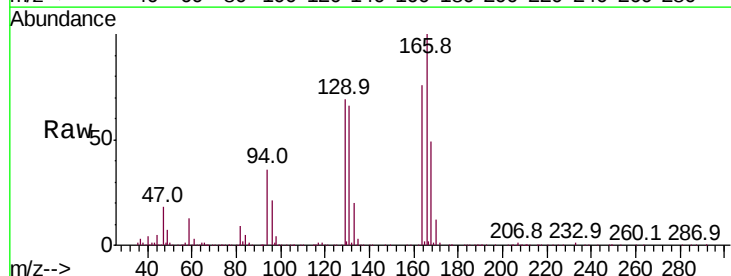
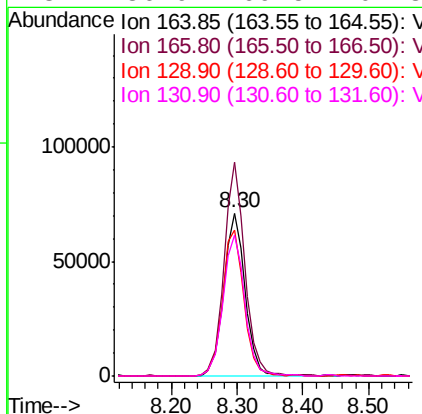
Manual Integrations
APPROVED

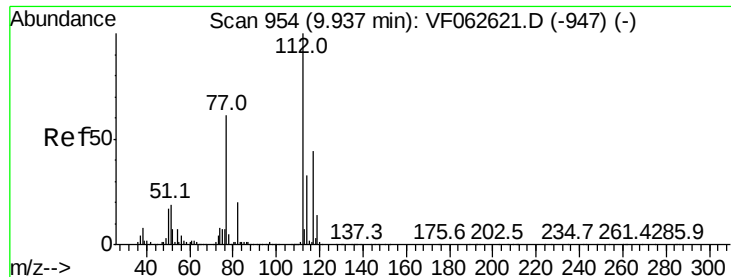
MMDadoda
5/23/2019 12:16:32 PM



#64
Tetrachloroethene
Concen: 23.400 ug/l
RT: 8.30 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161741		
166	131.2		105.5	158.3
129	90.0		73.8	110.6
131	86.9		69.5	104.3





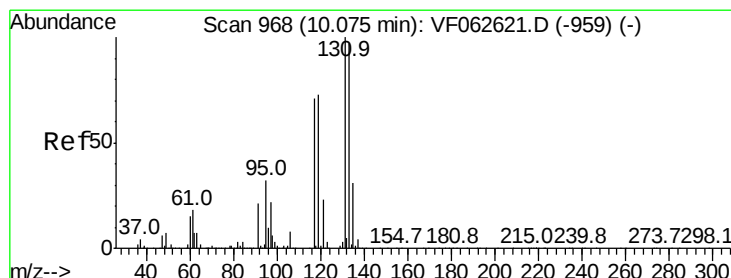
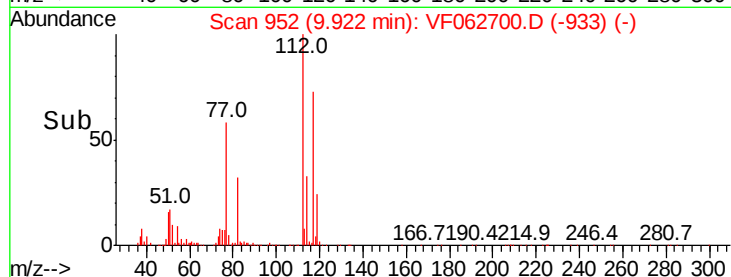
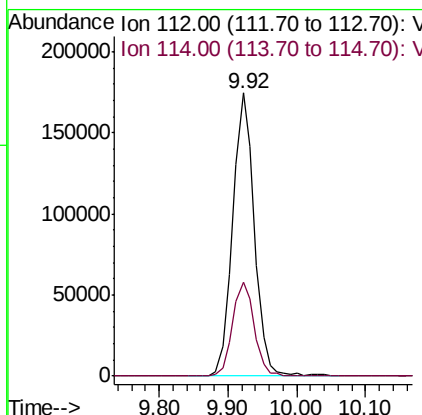
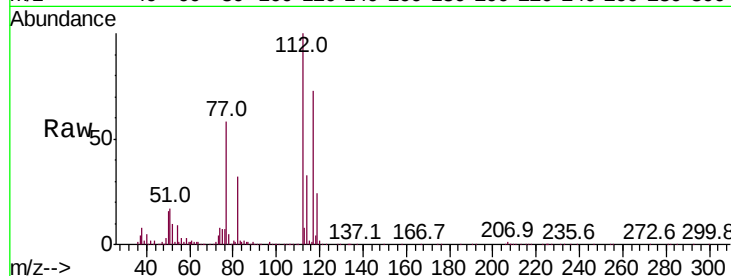
#65
Chlorobenzene
Concen: 22.162 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion:112 Resp: 379774
Ion Ratio Lower Upper
112 100
114 33.3 26.8 40.2

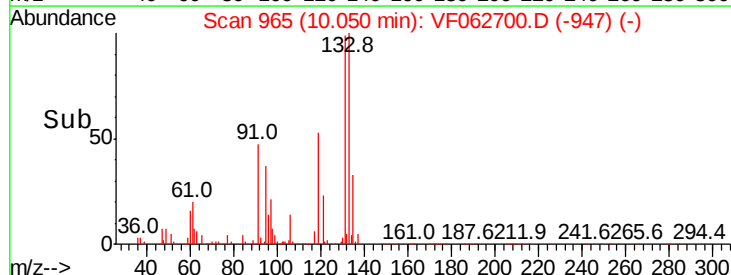
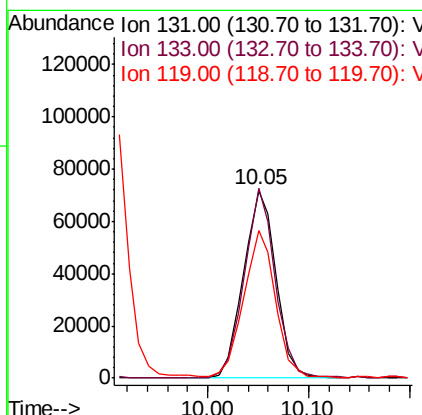
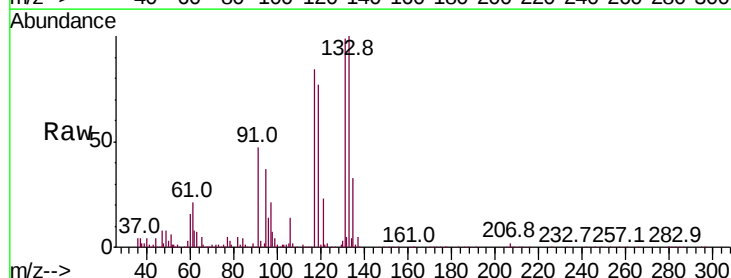
Manual Integrations
APPROVED

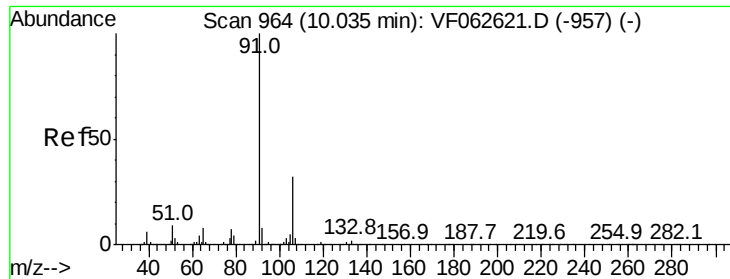
MMDadoda
5/23/2019 12:16:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.475 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion:131 Resp: 161488
Ion Ratio Lower Upper
131 100
133 101.3 48.5 145.5
119 78.3 36.8 110.4





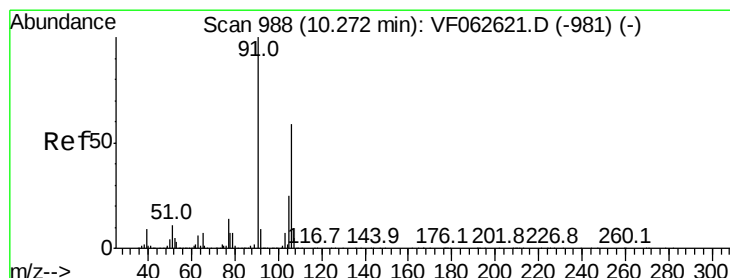
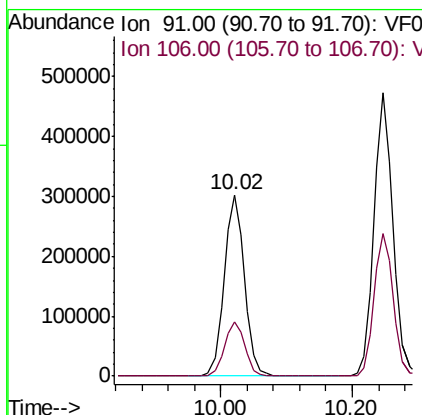
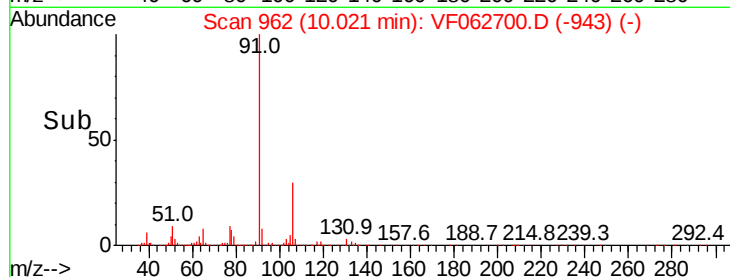
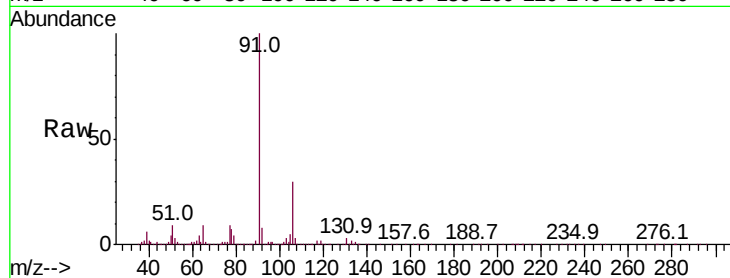
#67
Ethyl Benzene
Concen: 21.802 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleID :
VF0522SBS01

Tot Ion: 91 Resp: 649016
Ion Ratio Lower Upper
91 100
106 29.6 25.8 38.8

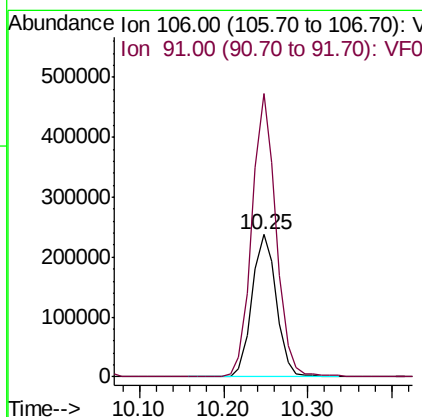
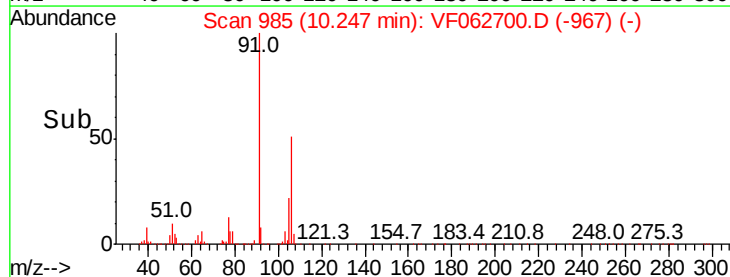
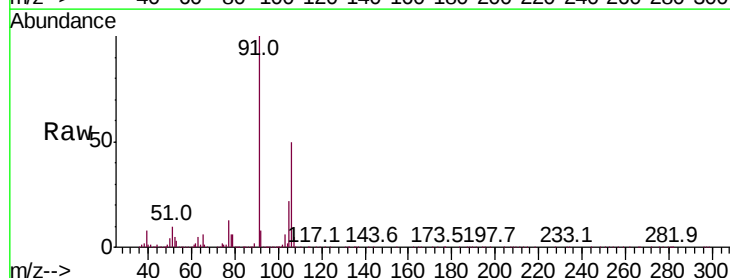
Manual Integrations
APPROVED

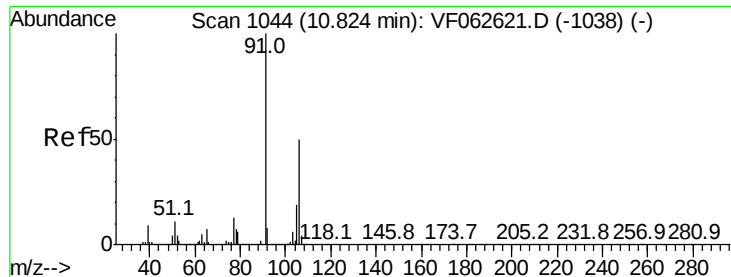
MMDadoda
5/23/2019 12:16:32 PM



#68
m/p-Xylenes
Concen: 43.376 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 106 Resp: 485314
Ion Ratio Lower Upper
106 100
91 198.8 136.9 205.3





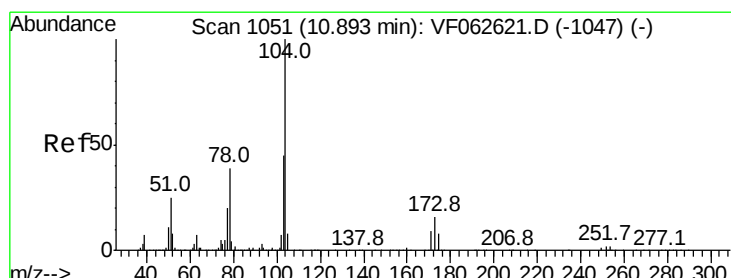
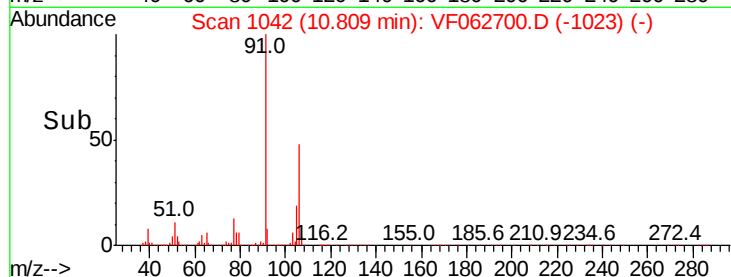
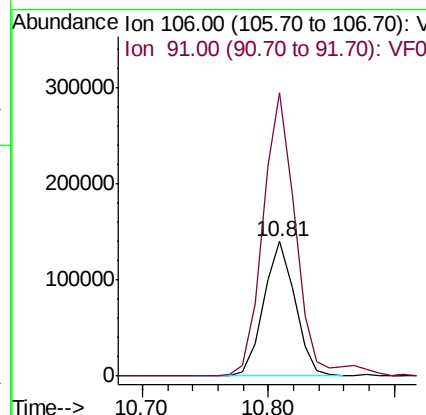
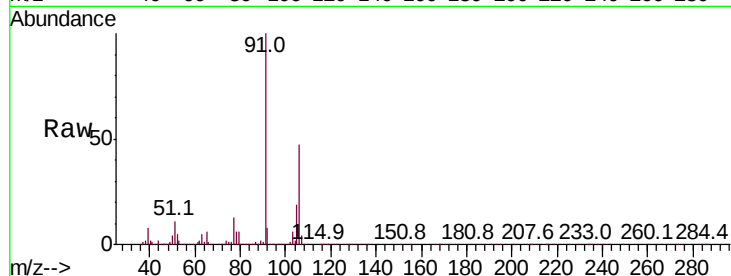
#69
o-Xylene
Concen: 21.204 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	100.2	300.5

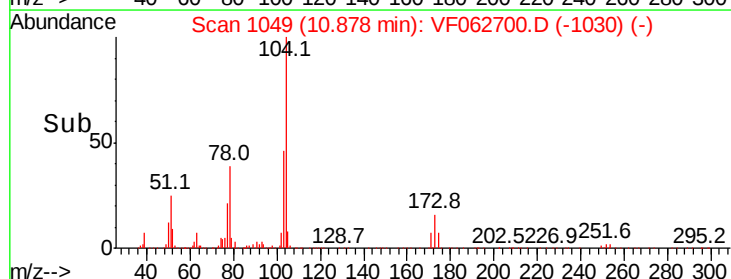
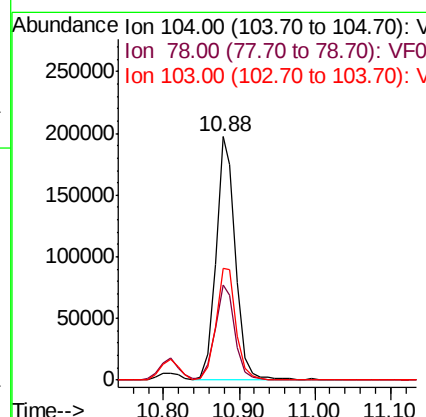
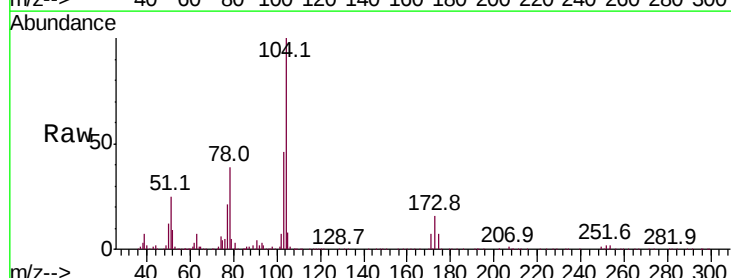
Manual Integrations
APPROVED

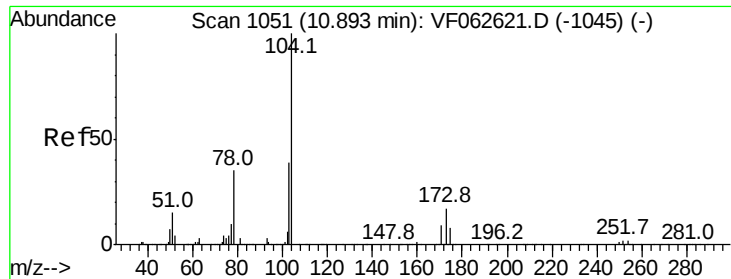
MMDadoda
5/23/2019 12:16:32 PM



#70
Styrene
Concen: 20.272 ug/l
RT: 10.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	39.3	31.9	47.9
103	45.8	36.1	54.1





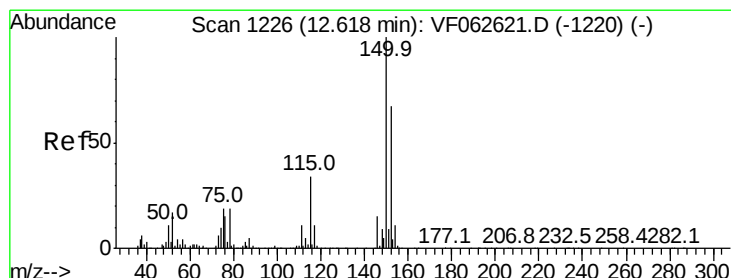
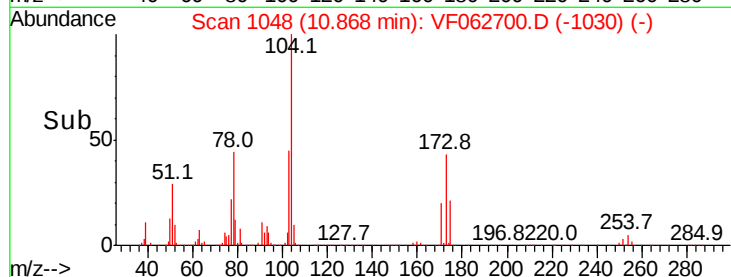
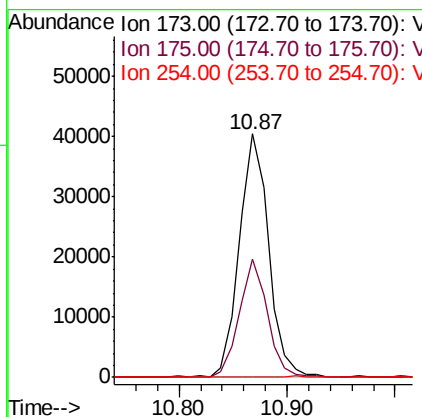
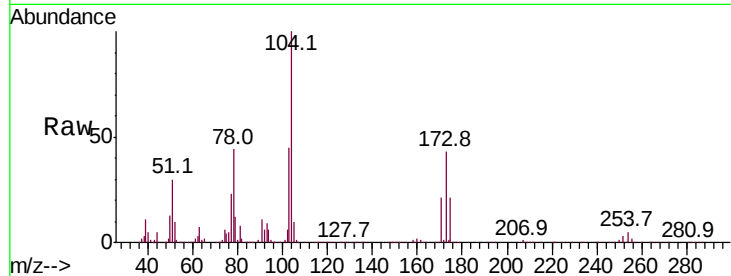
#71
Bromoform
Concen: 22.064 ug/l
RT: 10.87 min Scan# 1048
Delta R.T. -0.02 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	25.3	75.9
254	0.0	0.2	0.2#

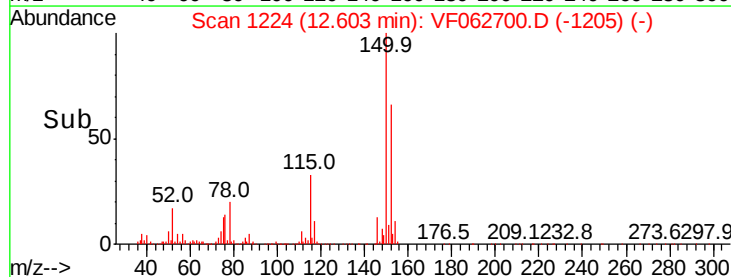
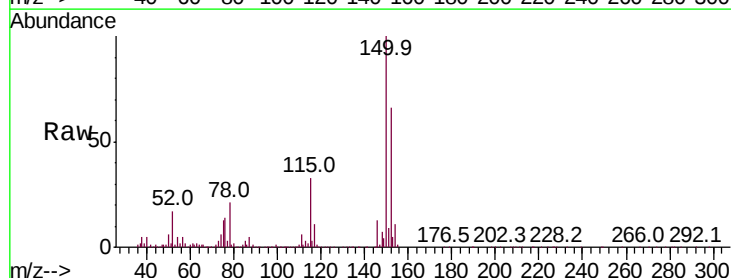
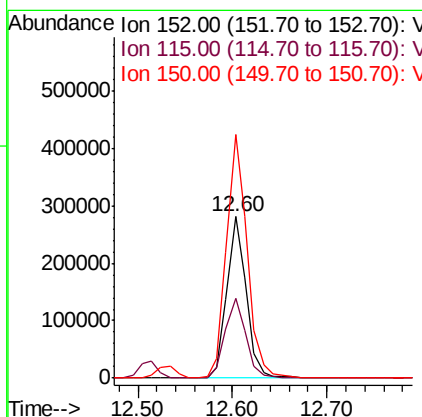
Manual Integrations
APPROVED

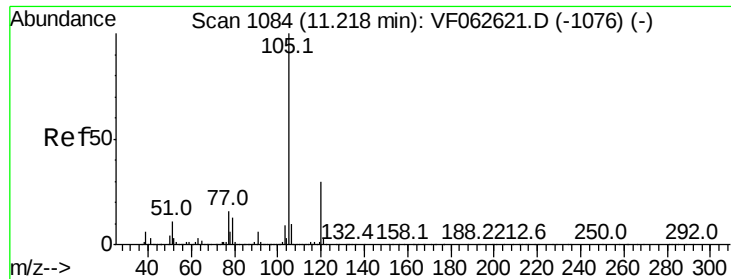
MMDadoda
5/23/2019 12:16:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.8	25.2	75.6
150	150.9	0.0	306.2





#73

Isopropylbenzene

Concen: 23.962 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 105 Resp: 688725

Ion Ratio Lower Upper

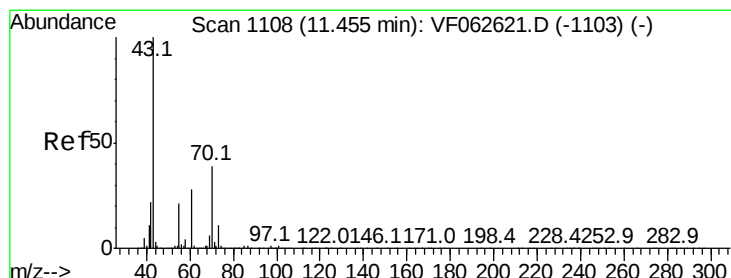
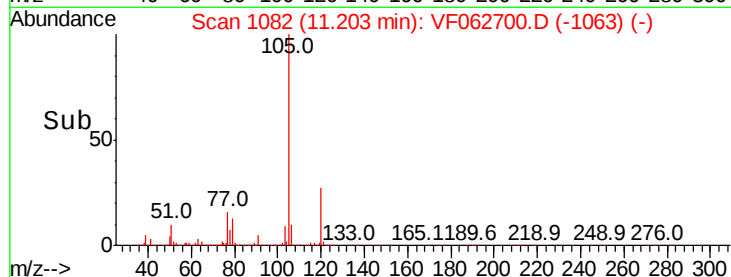
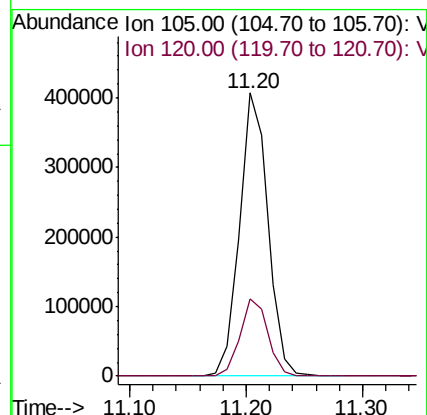
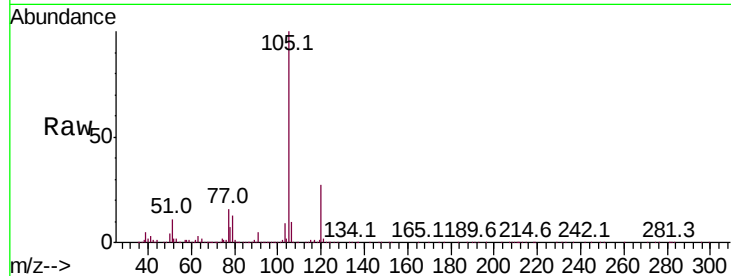
105 100

120 27.3 14.8 44.4

Manual Integrations
APPROVED

MMDadoda

5/23/2019 12:16:32 PM



#74

N-ethyl acetate

Concen: 22.755 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion: 43 Resp: 187916

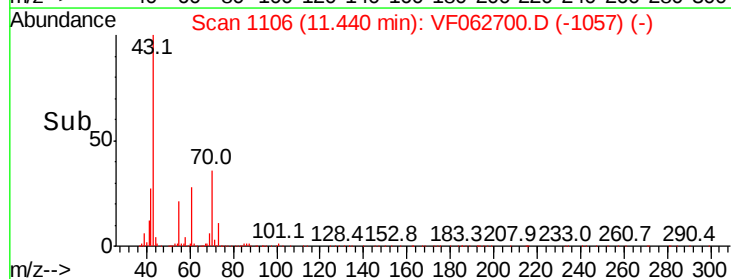
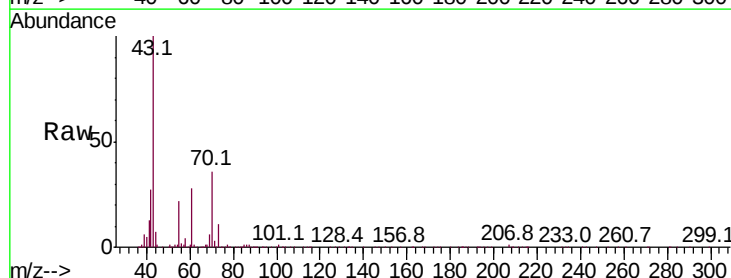
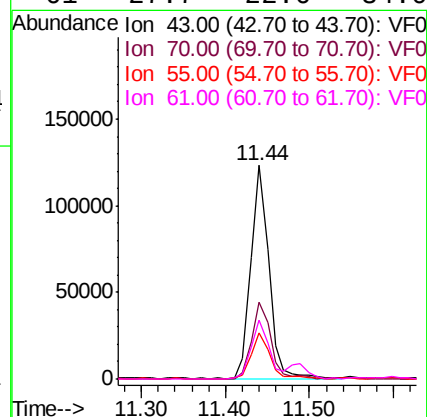
Ion Ratio Lower Upper

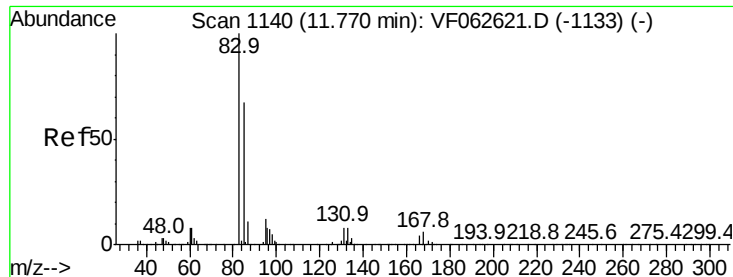
43 100

70 36.3 30.9 46.3

55 21.5 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.974 ug/l

RT: 11.77 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

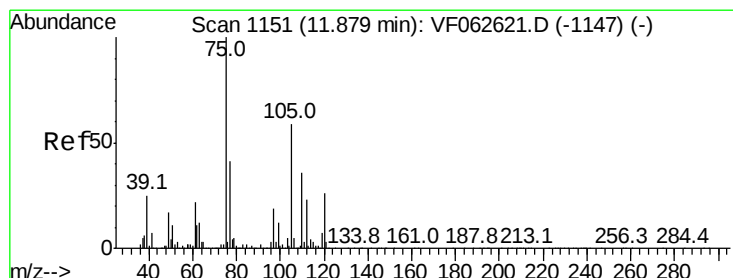
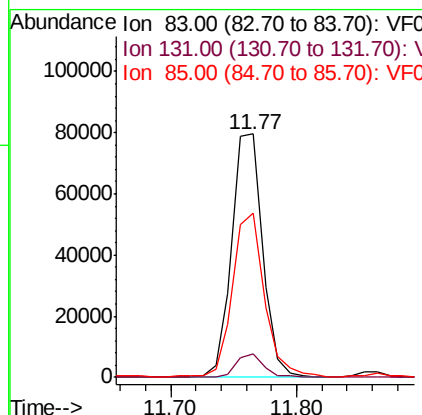
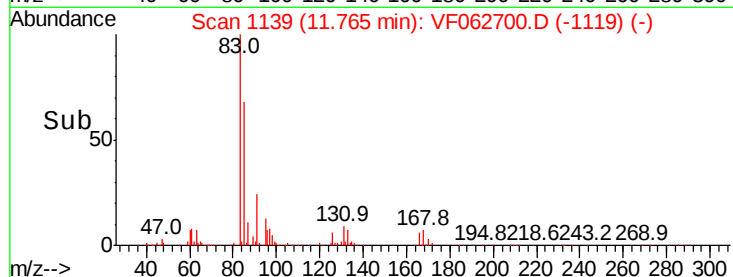
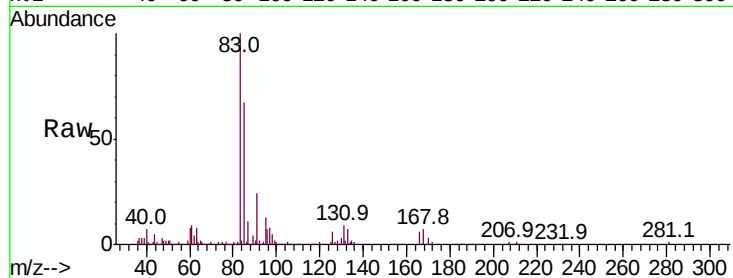
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	134945
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.0	12.0
85	67.3	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 22.695 ug/l

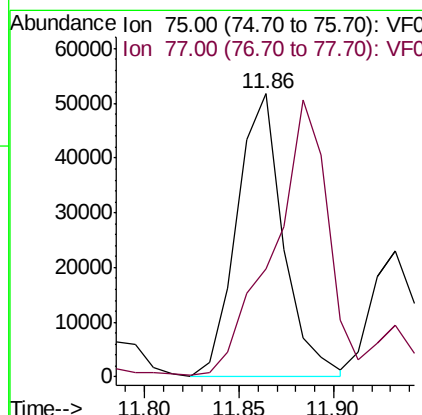
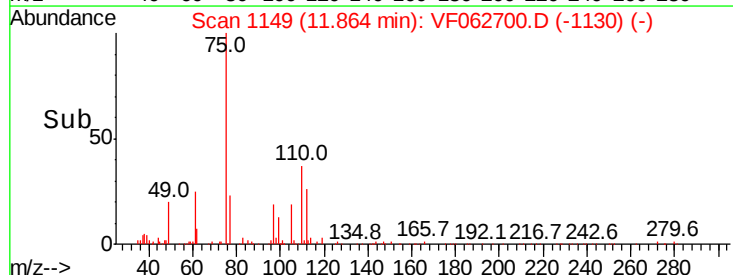
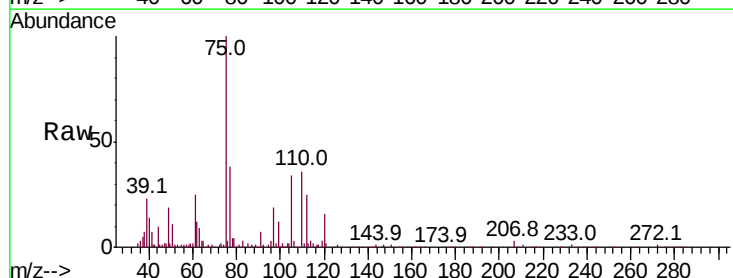
RT: 11.86 min Scan# 1149

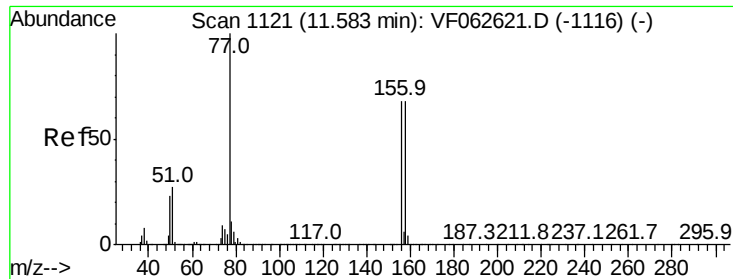
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	75	Resp:	87593
Ion Ratio	Lower	Upper	
75	100		
77	38.3	20.6	61.8





#77

Bromobenzene

Concen: 22.251 ug/l

RT: 11.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

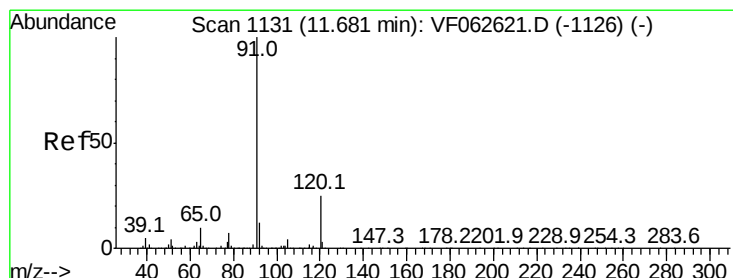
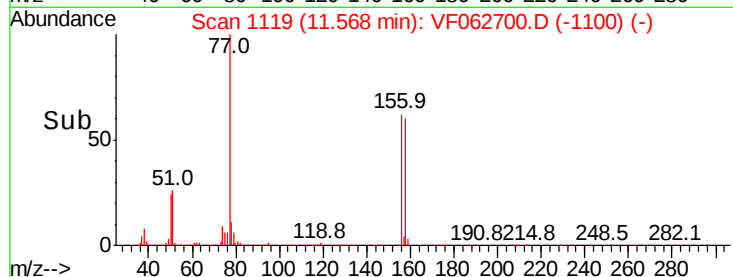
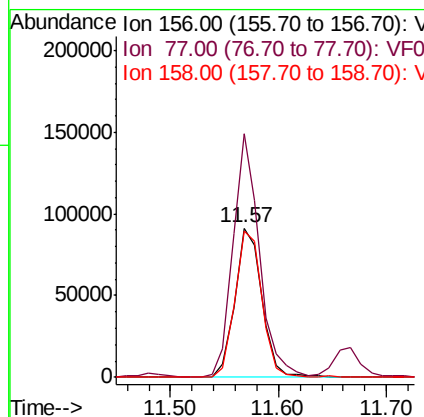
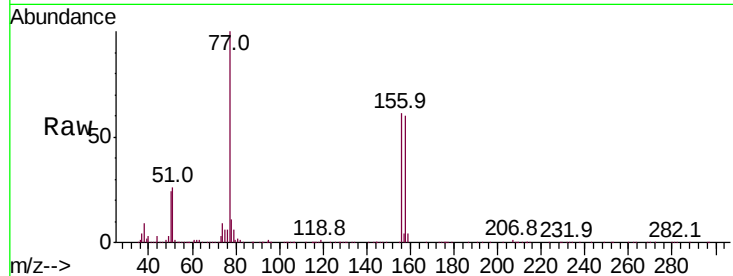
ClientSampleId :

VF0522SBS01

Tot Ion:	156	Resp:	158975
Ion Ratio	Lower	Upper	
156	100		
77	162.9	73.6	220.8
158	98.1	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 22.977 ug/l

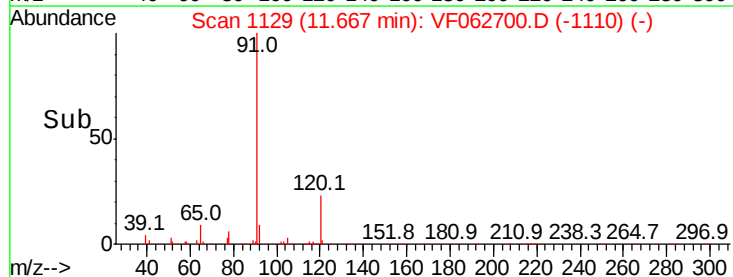
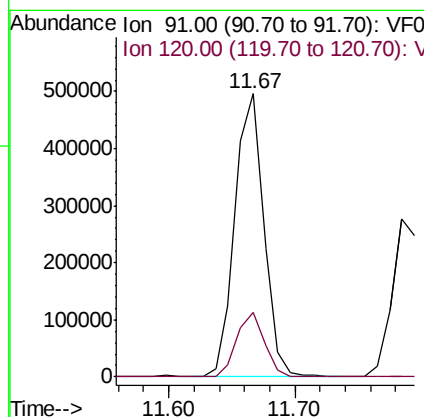
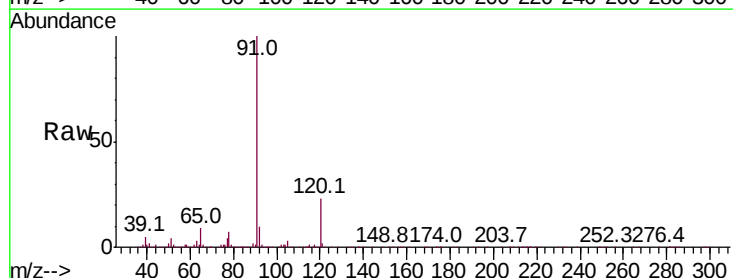
RT: 11.67 min Scan# 1129

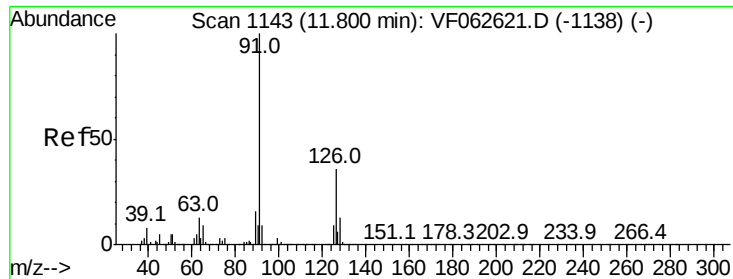
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	91	Resp:	781578
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.7	38.1





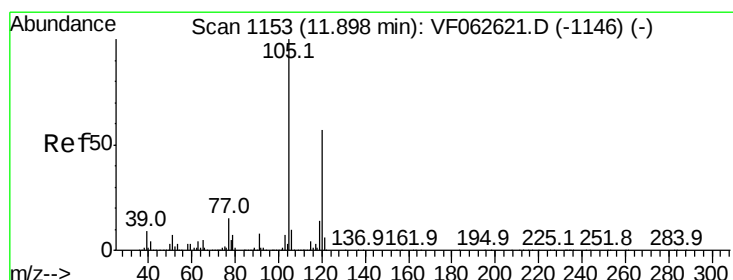
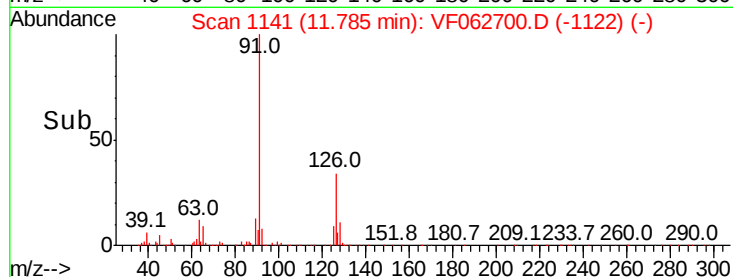
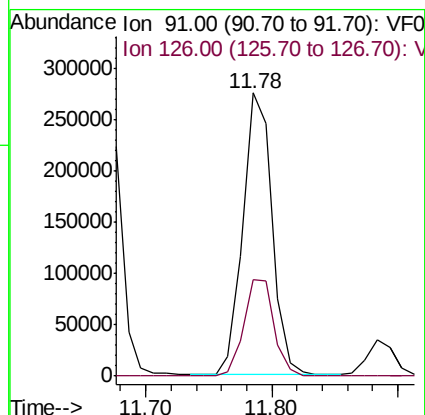
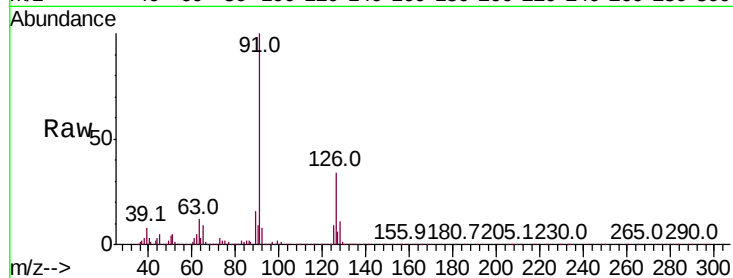
#79
2-Chlorotoluene
Concen: 23.010 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion: 91 Resp: 441112
Ion Ratio Lower Upper
91 100
126 34.1 18.1 54.4

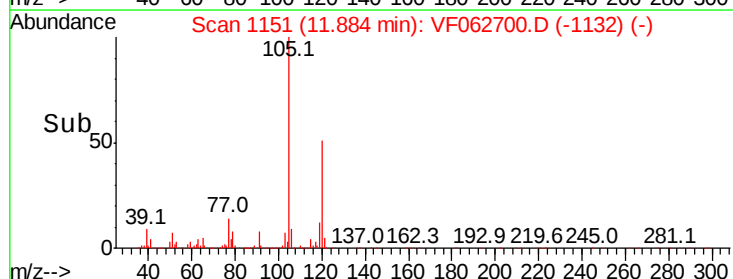
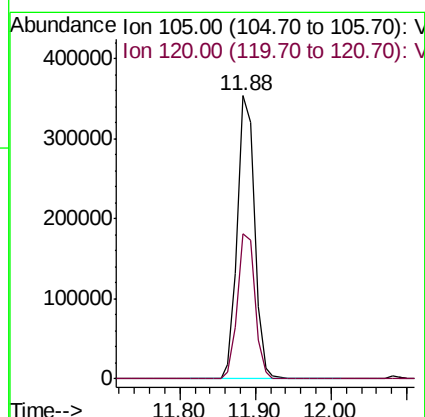
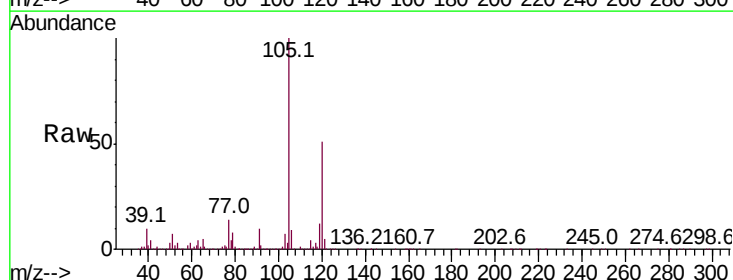
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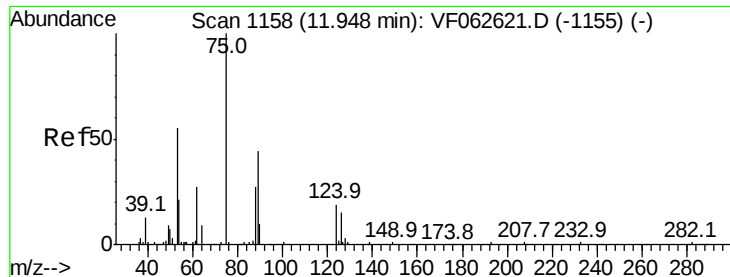
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#80
1,3,5-Trimethylbenzene
Concen: 24.085 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion: 105 Resp: 555099
Ion Ratio Lower Upper
105 100
120 51.1 28.7 86.3





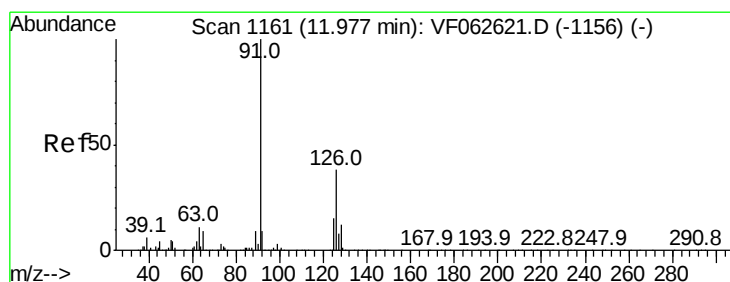
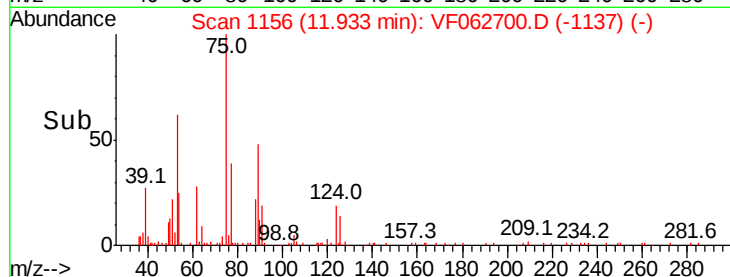
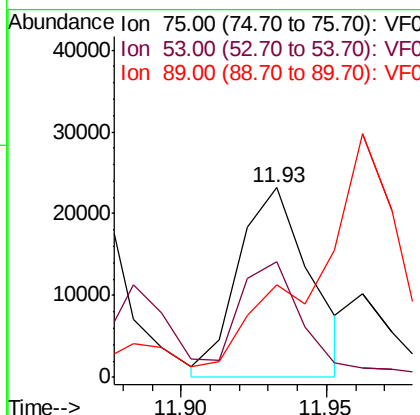
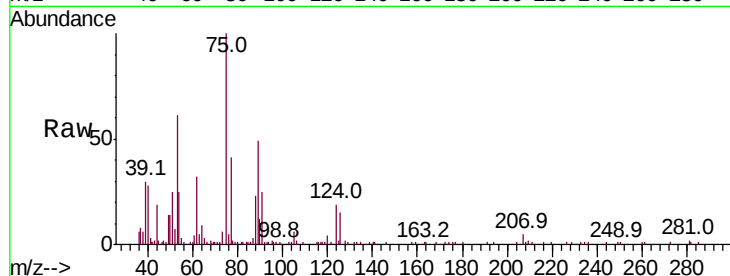
#81
trans-1,4-Dichloro-2-butene
Concen: 23.121 ug/l m
RT: 11.93 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	61.2	46.9	70.3
89	48.6	36.4	54.6

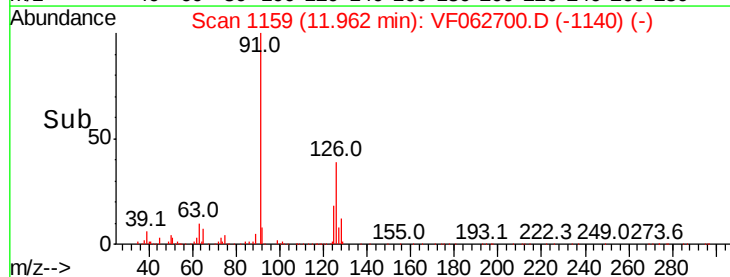
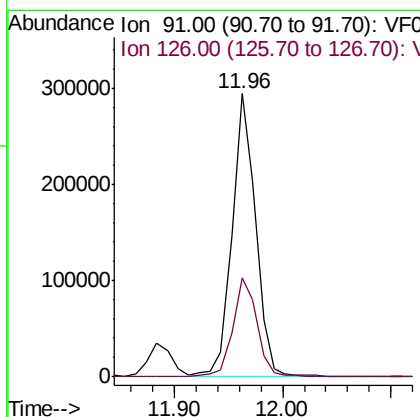
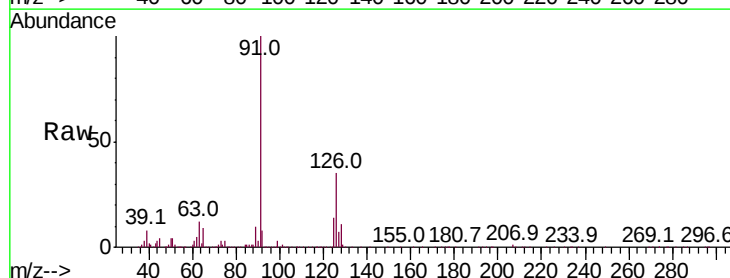
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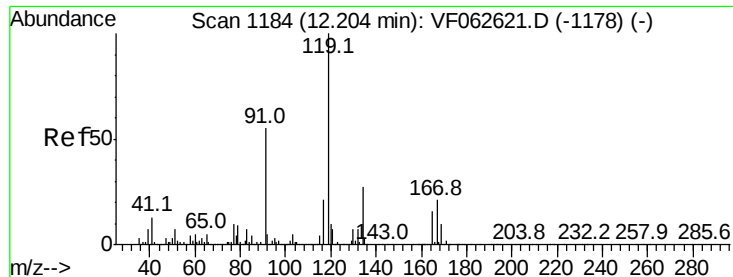
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5/23/2019 12:16:32 PM



#82
4-Chlorotoluene
Concen: 23.450 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	19.1	57.1





#83

tert-Butylbenzene

Concen: 24.979 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

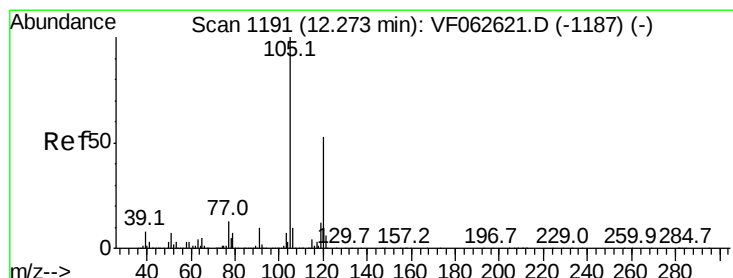
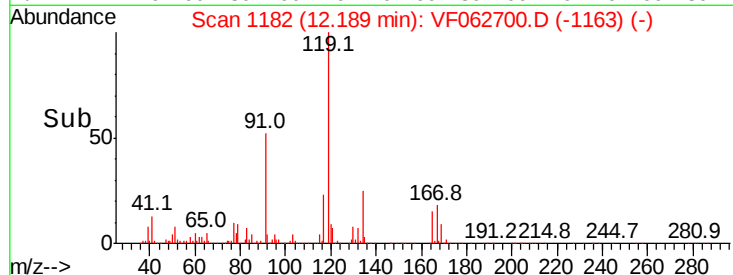
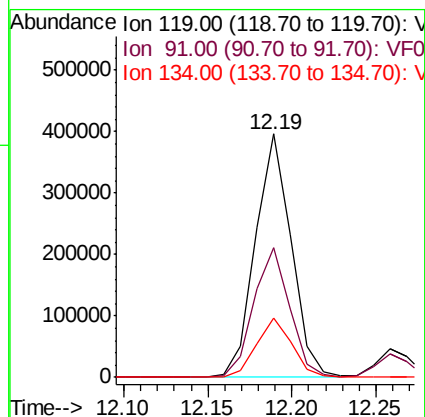
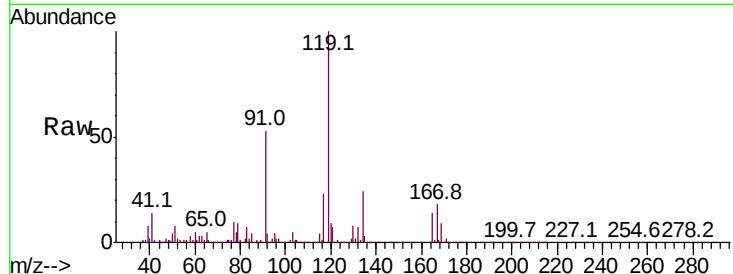
ClientSampleId :

VF0522SBS01

Tot Ion:	119	Resp:	584067
Ion Ratio	Lower	Upper	
119	100		
91	53.2	27.3	81.9
134	24.5	13.6	40.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 24.095 ug/l

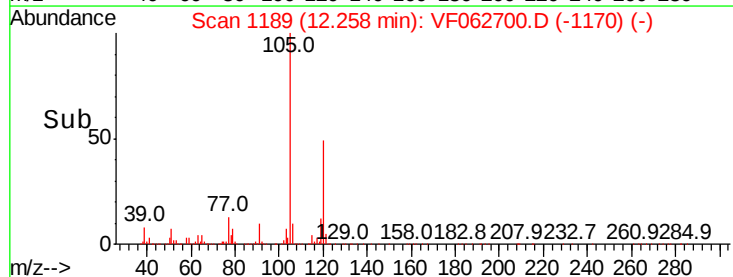
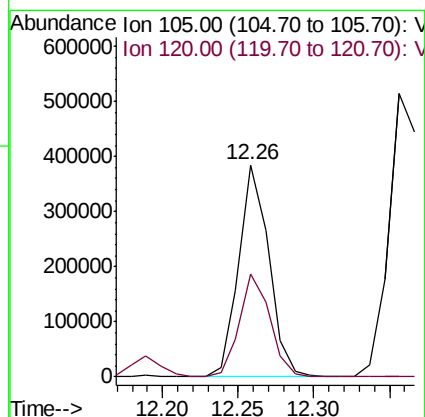
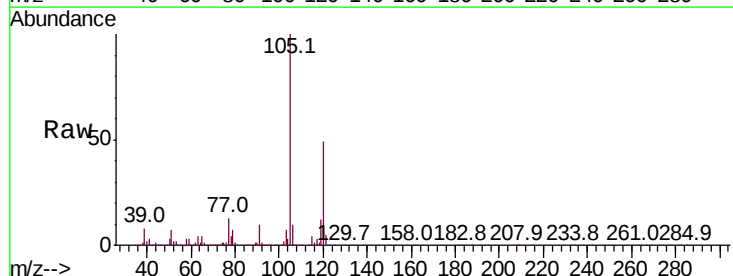
RT: 12.26 min Scan# 1189

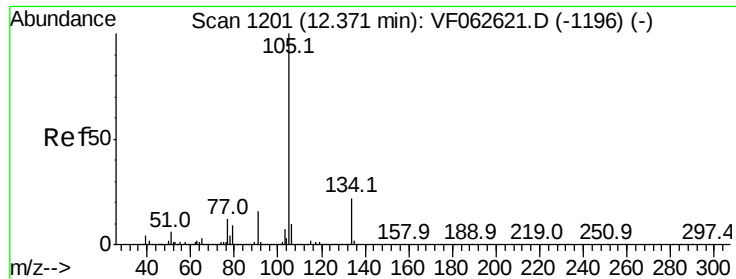
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	105	Resp:	537466
Ion Ratio	Lower	Upper	
105	100		
120	48.6	26.7	80.1





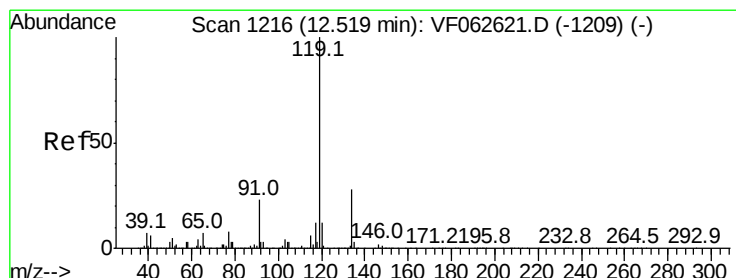
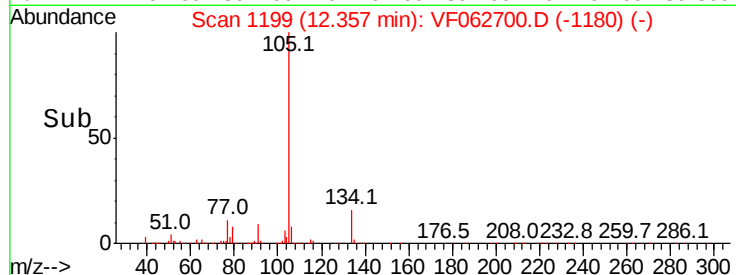
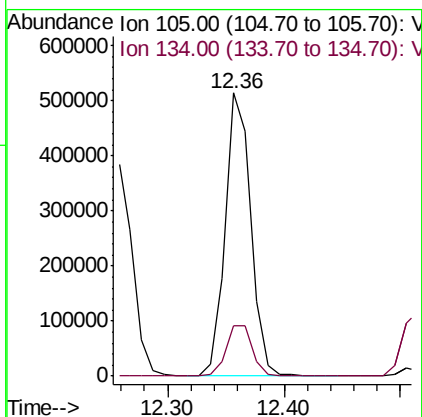
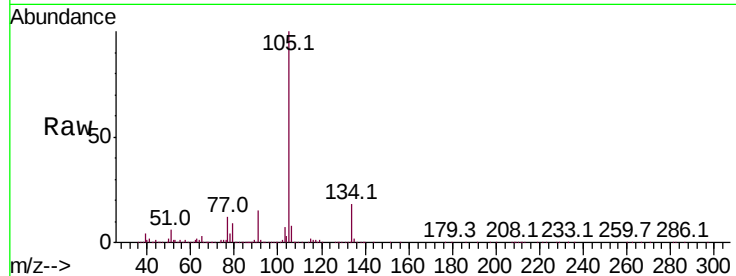
#85
 sec-Butylbenzene
 Concen: 24.861 ug/l
 RT: 12.36 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	780129		
134	17.8	10.8	32.4	

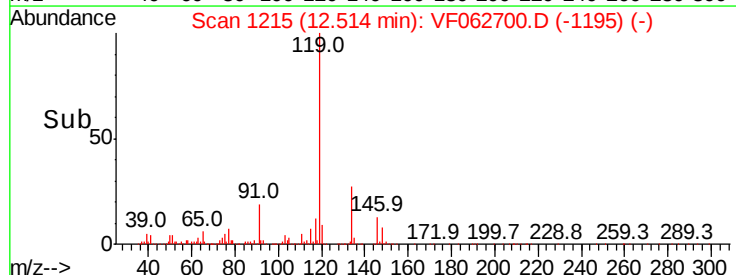
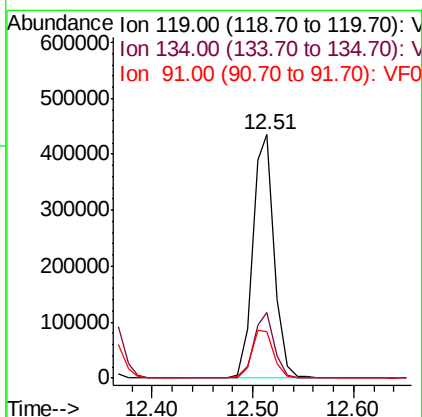
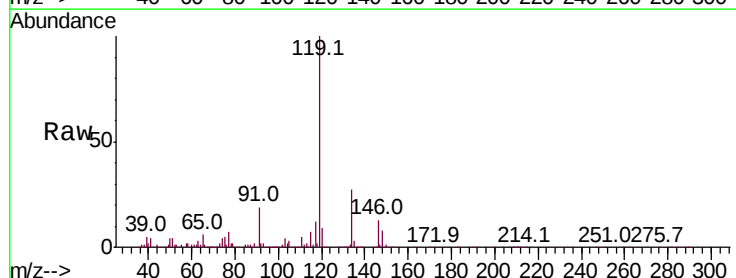
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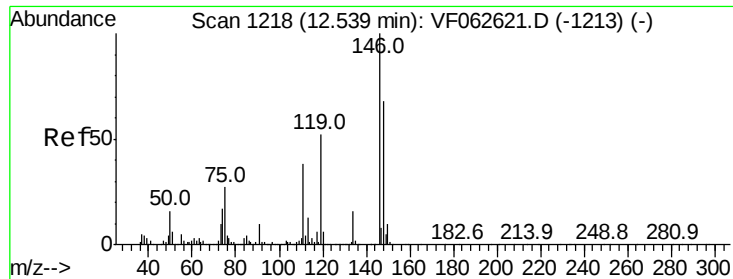
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#86
 p-Isopropyltoluene
 Concen: 24.294 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VF062700.D
 Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	642461		
134	26.8	14.1	42.3	
91	19.2	11.4	34.2	





#87

1,3-Dichlorobenzene

Concen: 23.859 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

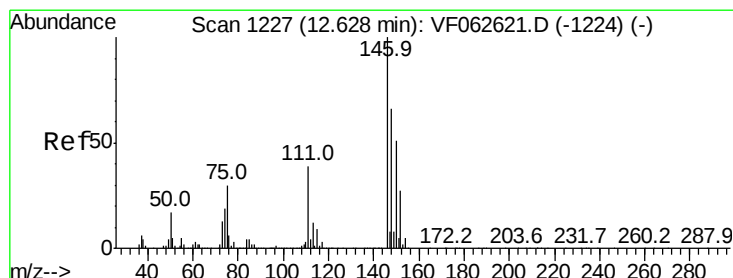
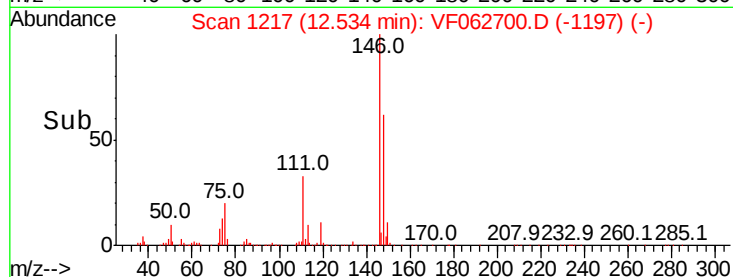
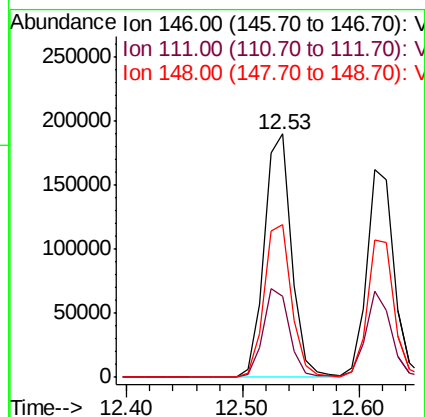
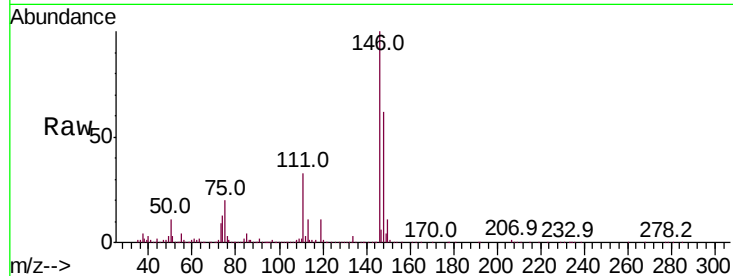
ClientSampleId :

VF0522SBS01

Tot Ion:	146	Resp:	308393
Ion Ratio	Lower	Upper	
146	100		
111	33.2	18.9	56.9
148	62.5	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.914 ug/l

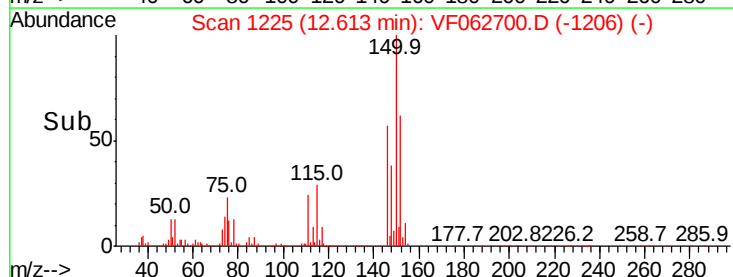
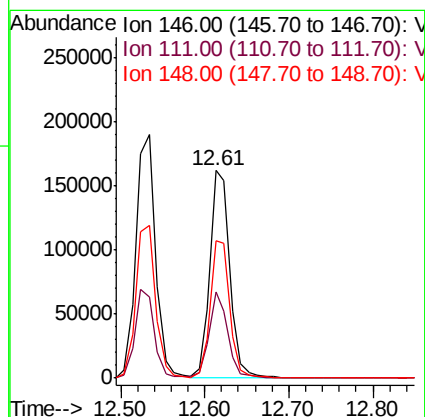
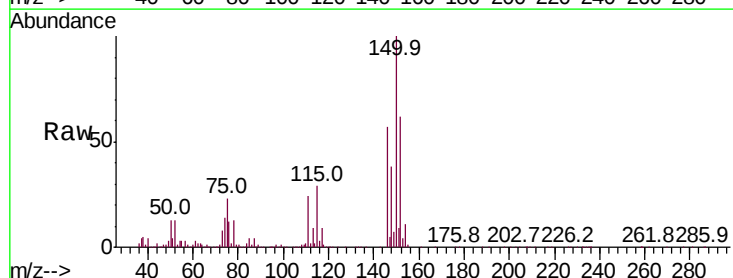
RT: 12.61 min Scan# 1225

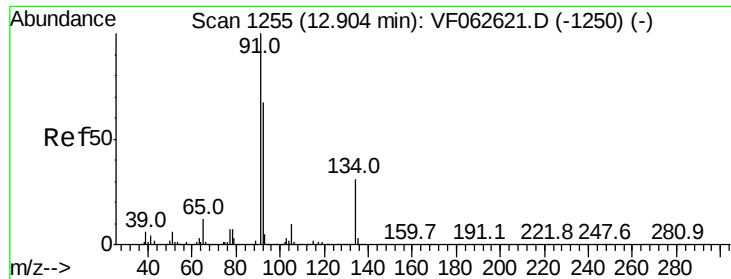
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	146	Resp:	265819
Ion Ratio	Lower	Upper	
146	100		
111	41.7	19.4	58.2
148	66.4	33.2	99.6





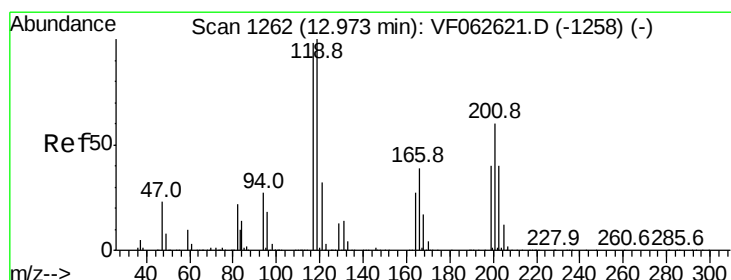
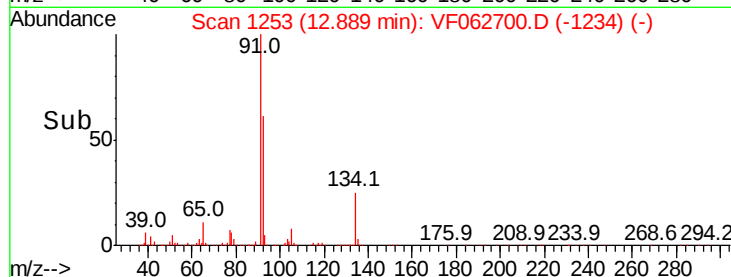
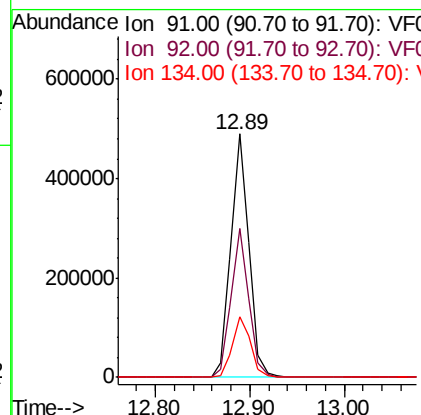
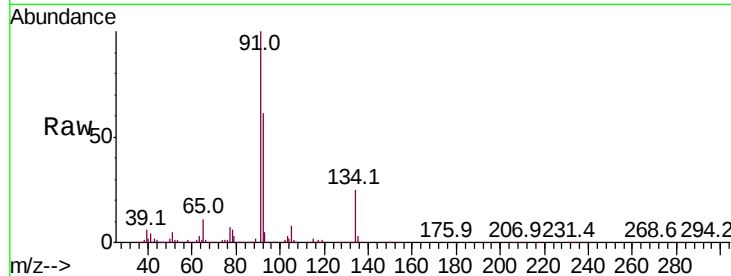
#89
n-Butylbenzene
Concen: 24.727 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.3	33.3	99.8
134	24.6	15.4	46.4

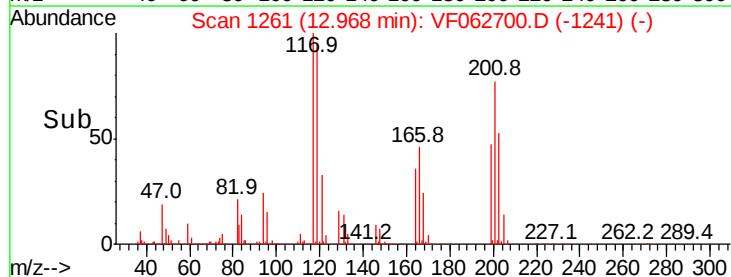
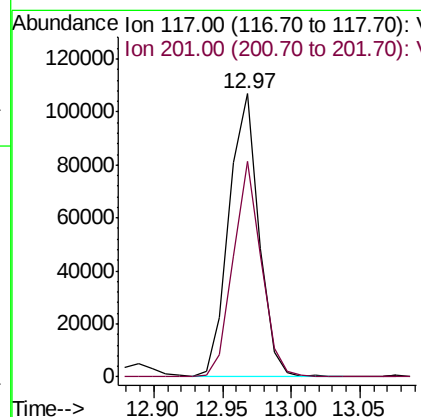
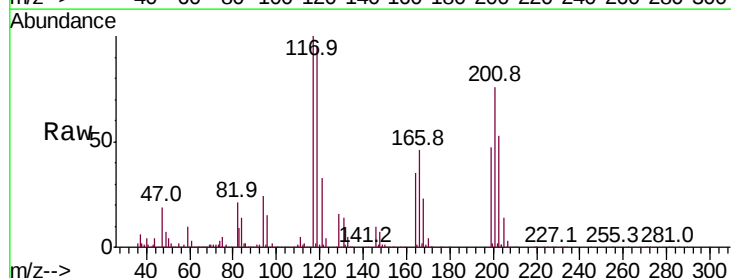
Manual Integrations
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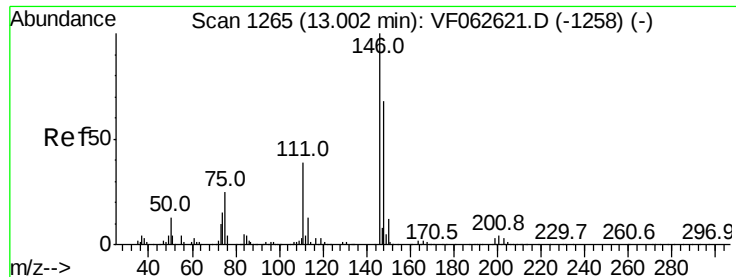
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#90
Hexachloroethane
Concen: 25.318 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VF062700.D
Acq: 22 May 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 23.885 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

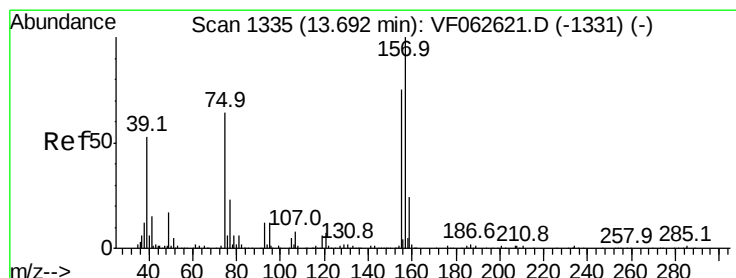
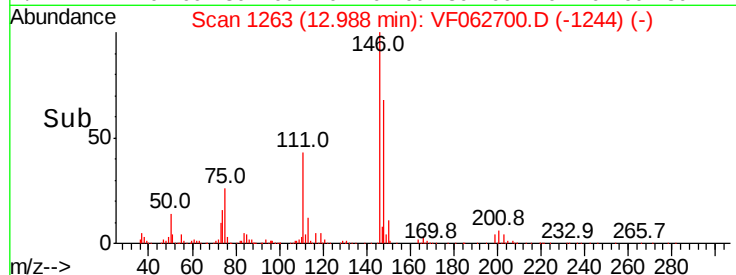
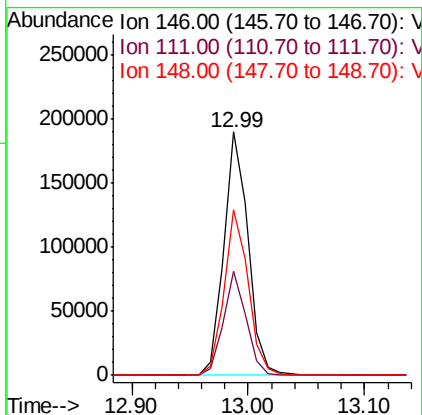
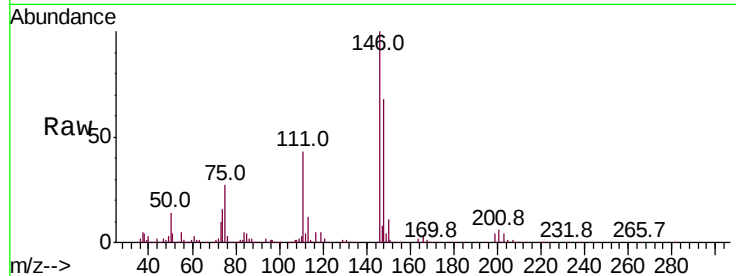
ClientSampleId :

VF0522SBSD01

Tot Ion:	146	Resp:	275199
Ion Ratio	Lower	Upper	
146	100		
111	42.8	19.8	59.3
148	68.1	34.1	102.2

Manual Integrations
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5/23/2019 12:16:32 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.573 ug/l

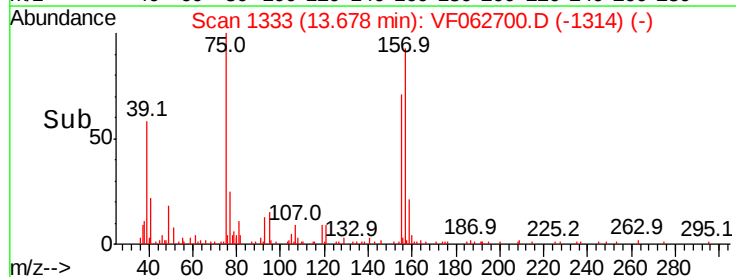
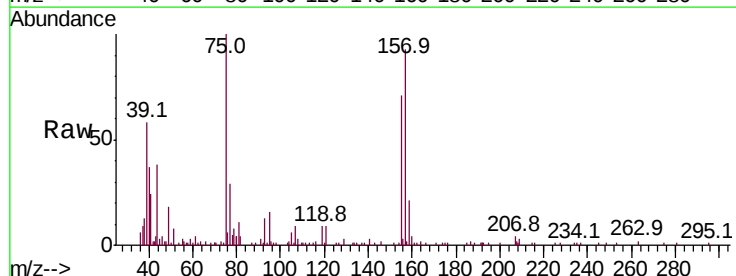
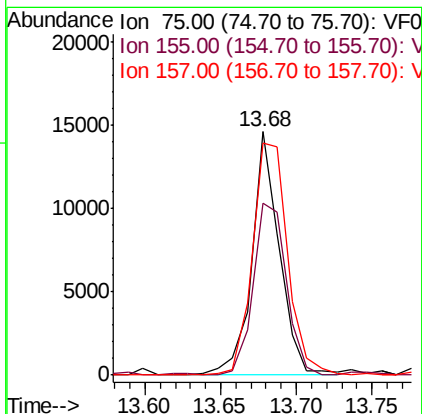
RT: 13.68 min Scan# 1333

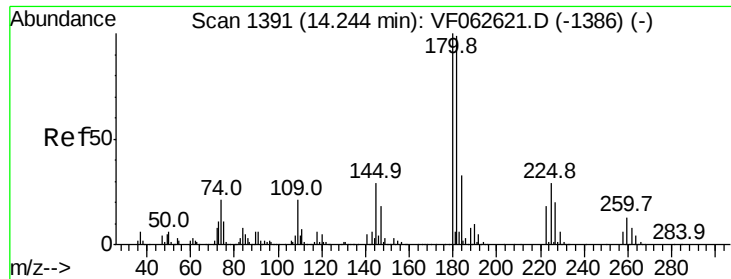
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	75	Resp:	18621
Ion Ratio	Lower	Upper	
75	100		
155	70.6	58.1	174.3
157	95.1	77.8	233.4





#93

1,2,4-Trichlorobenzene

Concen: 24.529 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

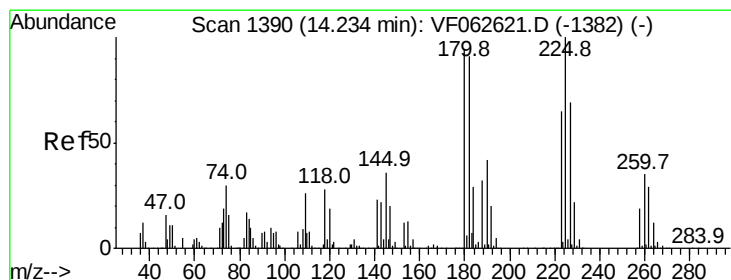
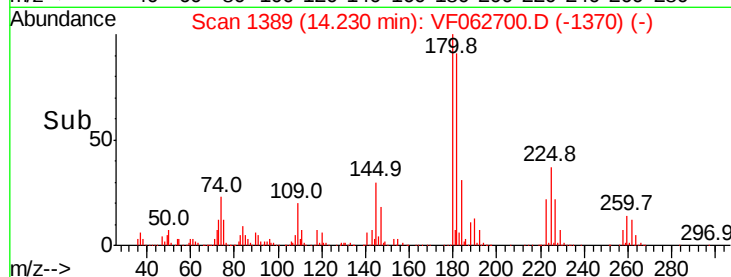
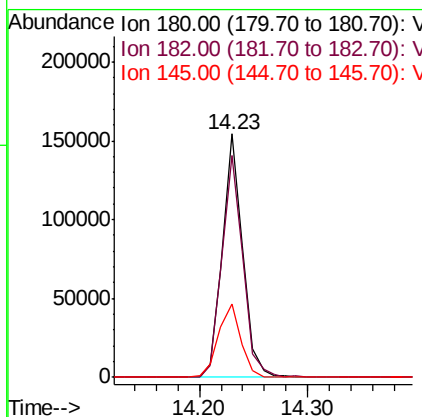
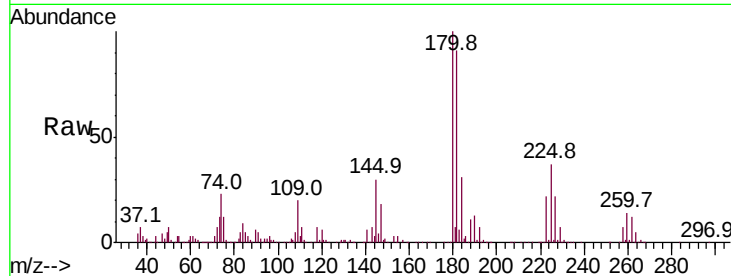
ClientSampleId :

VF0522SBS01

Tot Ion:	180	Resp:	202302
Ion Ratio	Lower	Upper	
180	100		
182	91.3	49.7	149.1
145	30.0	14.6	44.0

Manual Integrations
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5/23/2019 12:16:32 PM



#94

Hexachlorobutadiene

Concen: 23.557 ug/l

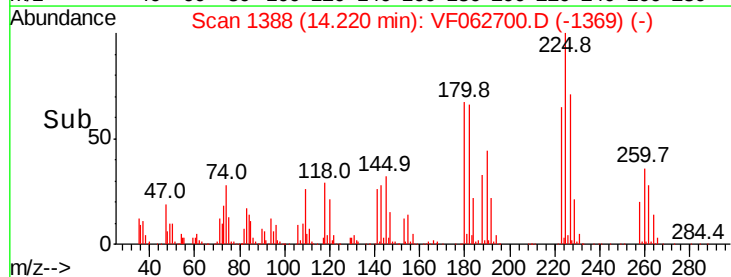
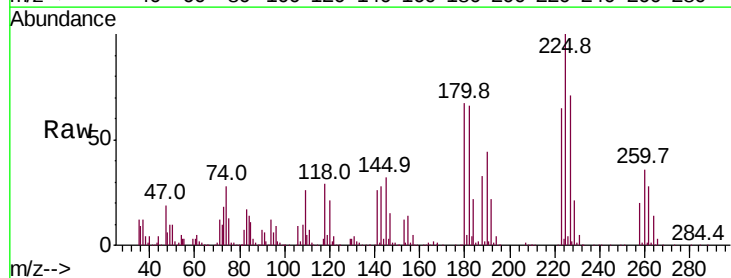
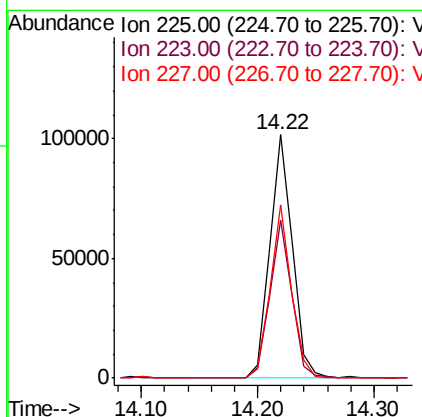
RT: 14.22 min Scan# 1388

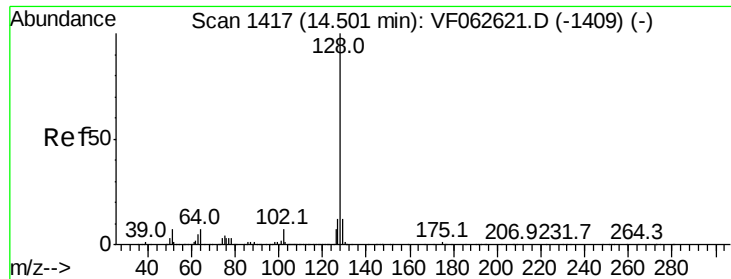
Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	225	Resp:	135584
Ion Ratio	Lower	Upper	
225	100		
223	64.9	32.5	97.4
227	71.4	34.5	103.5





#95

Naphthalene

Concen: 21.065 ug/l

RT: 14.49 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Instrument :

MSVOA_F

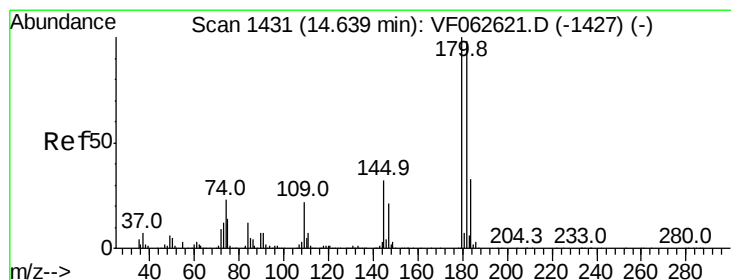
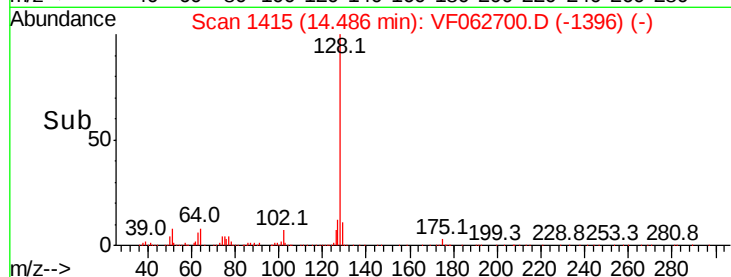
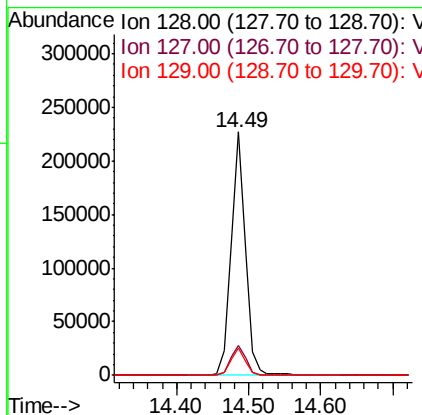
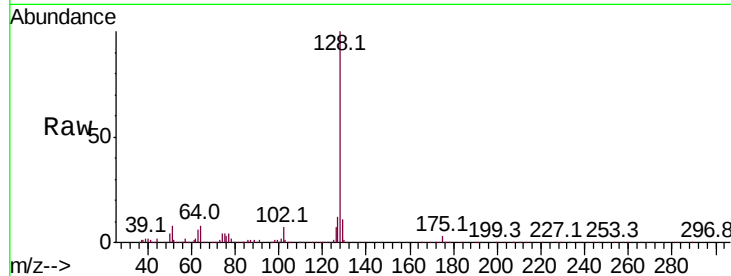
ClientSampleId :

VF0522SBS01

Tot Ion:	128	Resp:	315619
Ion Ratio	Lower	Upper	
128	100		
127	12.3	9.7	14.5
129	11.2	9.3	13.9

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.073 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062700.D

Acq: 22 May 2019 12:38

Tgt Ion:	180	Resp:	180246
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.9	146.7
145	26.5	16.1	48.2

