

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062702.D
 Acq On : 22 May 2019 13:34
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:42 PM

Quant Time: May 23 01:56:20 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	5.05	168	701820	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1164837	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	879067	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	445325	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	231705	46.72	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.44%	
35) Dibromofluoromethane	4.30	113	465042	52.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.34%	
50) Toluene-d8	7.70	98	1016105	47.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.49	95	356350	44.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.30%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.00	85	182112	19.068	ug/l	100
3) Chloromethane	1.14	50	164358	18.689	ug/l	100
4) Vinyl Chloride	1.19	62	160582	19.837	ug/l	97
5) Bromomethane	1.38	94	86412	19.513	ug/l	88
6) Chloroethane	1.43	64	52639	17.706	ug/l	99
7) Trichlorofluoromethane	1.55	101	237196	21.823	ug/l	96
8) Diethyl Ether	1.71	74	48052	22.316	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151840	21.939	ug/l	96
10) Methyl Iodide	1.98	142	290270	21.350	ug/l	95
11) Tert butyl alcohol	2.70	59	31781	97.064	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	133443	21.166	ug/l	95
13) Acrolein	2.10	56	30429	89.030	ug/l	87
14) Allyl chloride	2.19	41	128324m	22.489	ug/l	
15) Acrylonitrile	3.08	53	101627	110.033	ug/l	95
16) Acetone	2.34	43	108325	84.193	ug/l	99
17) Carbon Disulfide	1.91	76	394164m	21.093	ug/l	
18) Methyl Acetate	2.46	43	46105	22.803	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	234851	20.838	ug/l	97
20) Methylene Chloride	2.28	84	166964m	25.889	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	129519	21.018	ug/l	98
22) Diisopropyl ether	2.93	45	290504	20.642	ug/l	96
23) Vinyl Acetate	3.35	43	972548	102.444	ug/l	99
24) 1,1-Dichloroethane	3.01	63	230537	22.330	ug/l	99
25) 2-Butanone	4.52	43	267186	97.198	ug/l	97
26) 2,2-Dichloropropane	3.77	77	154513	26.157	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	226135	22.309	ug/l	95
28) Bromochloromethane	3.90	49	118082	20.393	ug/l	95
29) Tetrahydrofuran	4.26	42	107780	96.892	ug/l	99
30) Chloroform	4.05	83	332840	23.220	ug/l	93
31) Cyclohexane	3.87	56	284808	20.545	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	208174	21.868	ug/l	96
36) 1,1-Dichloropropene	4.47	75	249068	20.867	ug/l	99
37) Ethyl Acetate	4.30	43	90963	18.665	ug/l	93
38) Carbon Tetrachloride	4.17	117	200434	22.328	ug/l	90

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 ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations
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Quant Time: May 23 01:56:20 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)
39) Methylcyclohexane	5.63	83	295282	20.560	ug/l	97
40) Benzene	4.81	78	689121	21.193	ug/l	98
41) Methacrylonitrile	4.92	41	52280	20.462	ug/l #	90
42) 1,2-Dichloroethane	5.12	62	134864	20.798	ug/l	98
43) Isopropyl Acetate	7.11	43	106920	16.934	ug/l	91
44) Trichloroethene	5.68	130	194016	21.229	ug/l	98
45) 1,2-Dichloropropane	6.40	63	167593	20.417	ug/l	98
46) Dibromomethane	6.25	93	101075	21.306	ug/l	98
47) Bromodichloromethane	6.55	83	207109	21.030	ug/l	99
48) Methyl methacrylate	6.86	41	58501	17.727	ug/l	92
49) 1,4-Dioxane	6.86	88	14279	337.825	ug/l #	79
51) 4-Methyl-2-Pentanone	8.39	43	412332	95.542	ug/l	95
52) Toluene	7.77	92	362666	21.267	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	162115	20.121	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	233263	20.682	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	103577	20.513	ug/l	98
56) Ethyl methacrylate	8.75	69	103314	17.174	ug/l	92
57) 1,3-Dichloropropane	8.98	76	172473	20.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	174211	88.971	ug/l	99
59) 2-Hexanone	9.62	43	271114	84.775	ug/l	97
60) Dibromochloromethane	8.86	129	133228	20.245	ug/l	89
61) 1,2-Dibromoethane	9.12	107	109131	20.349	ug/l	94
64) Tetrachloroethene	8.29	164	142018	20.393	ug/l	97
65) Chlorobenzene	9.92	112	353528	20.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	146066	21.073	ug/l	97
67) Ethyl Benzene	10.02	91	603707	20.127	ug/l	96
68) m/p-Xylenes	10.25	106	487269	43.224	ug/l	82
69) o-Xylene	10.81	106	257532	22.179	ug/l	95
70) Styrene	10.89	104	370724	21.006	ug/l	98
71) Bromoform	10.87	173	73359	21.132	ug/l #	97
73) Isopropylbenzene	11.21	105	708046	22.184	ug/l	97
74) N-amyl acetate	11.44	43	160763	16.142	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	139042	21.317	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	87572	20.433	ug/l	99
77) Bromobenzene	11.58	156	152949	19.279	ug/l	90
78) n-propylbenzene	11.67	91	773836	20.486	ug/l	92
79) 2-Chlorotoluene	11.79	91	446804	20.989	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	564618	22.062	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.93	75	37006m	19.425	ug/l	
82) 4-Chlorotoluene	11.96	91	449892	21.431	ug/l	91
83) tert-Butylbenzene	12.19	119	589539	22.705	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	556847	22.480	ug/l	97
85) sec-Butylbenzene	12.37	105	793046	22.759	ug/l	98
86) p-Isopropyltoluene	12.51	119	638764	21.752	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	307176	21.401	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	295963	21.972	ug/l	97
89) n-Butylbenzene	12.89	91	653945	22.586	ug/l	89
90) Hexachloroethane	12.97	117	156382	22.199	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	280130	21.894	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17031	21.887	ug/l	66

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Sample : VF0522SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Manual Integrations
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Quant Time: May 23 01:56:20 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.23	180	183171	20.000	ug/l	96
94) Hexachlorobutadiene	14.22	225	126487	19.790	ug/l	96
95) Naphthalene	14.48	128	276273	16.605	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	163293	18.824	ug/l	97

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

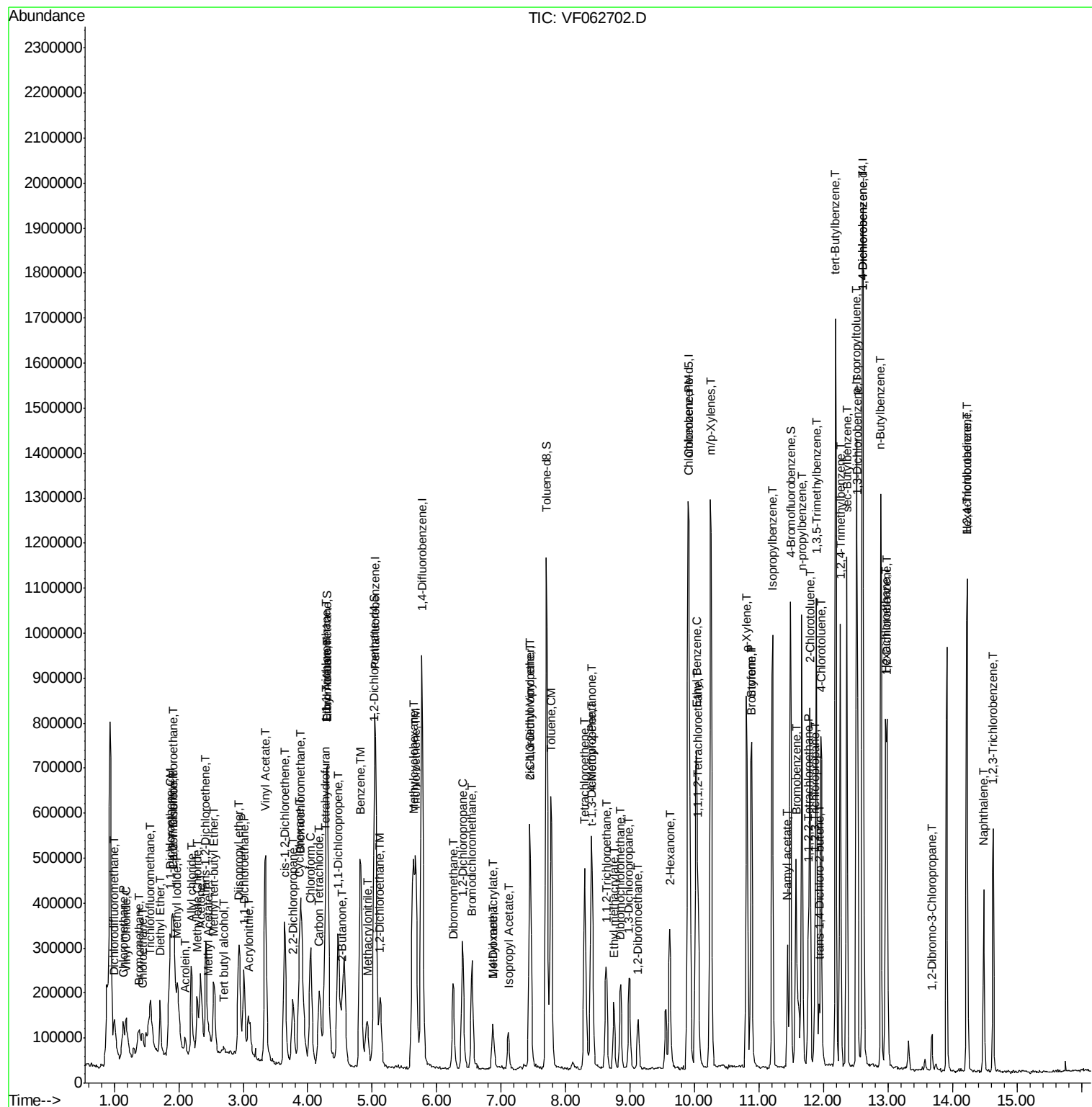
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Data File : VF062702.D
Acq On : 22 May 2019 13:34
Operator : FY/SY
Sample : VF0522SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

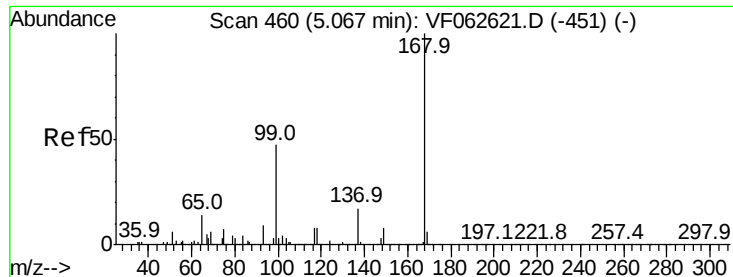
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion:168 Resp: 701820

Ion Ratio Lower Upper

168 100

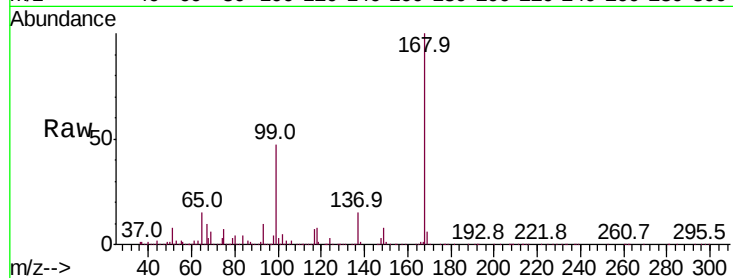
99 46.5 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

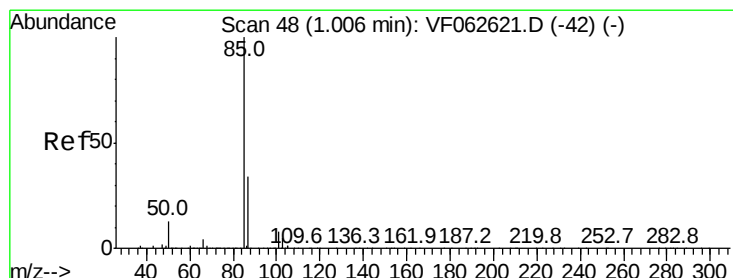
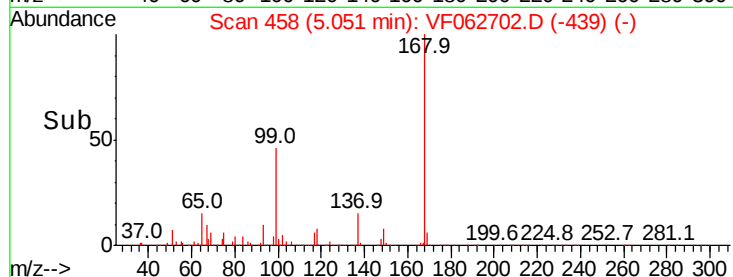
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.068 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062702.D

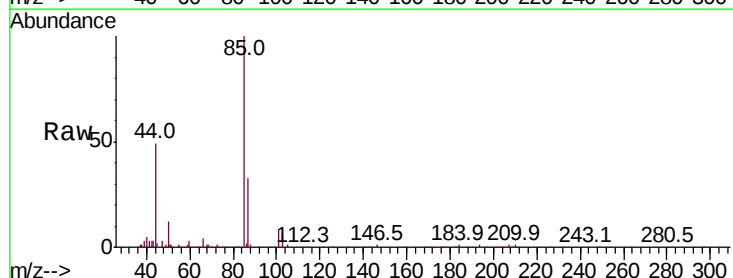
Acq: 22 May 2019 13:34

Tgt Ion: 85 Resp: 182112

Ion Ratio Lower Upper

85 100

87 33.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

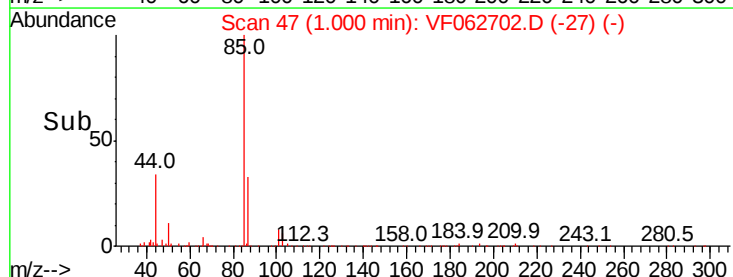
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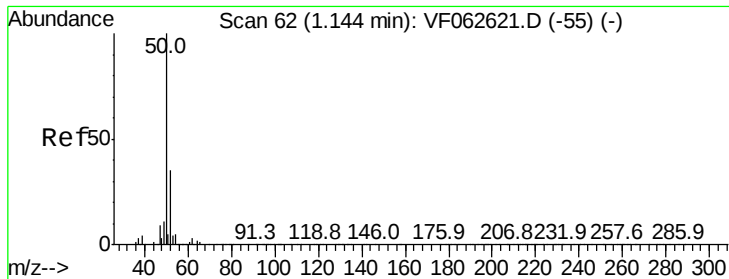
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.689 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 50 Resp: 164358

Ion Ratio Lower Upper

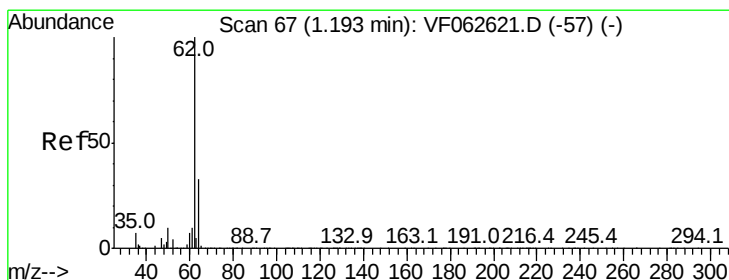
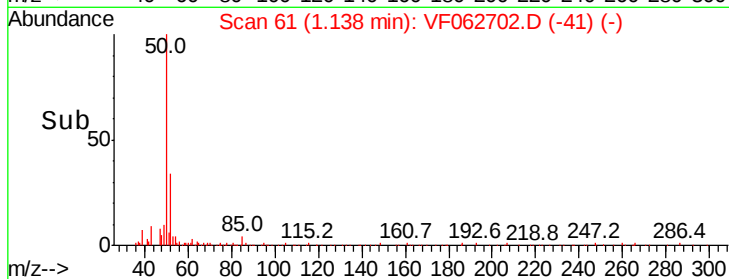
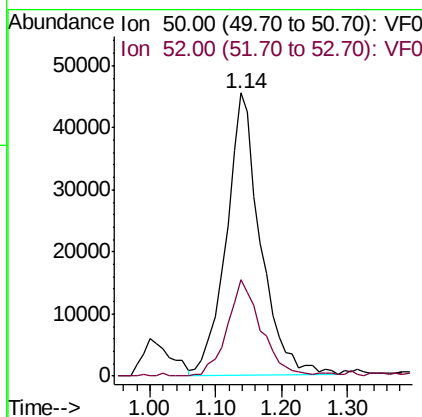
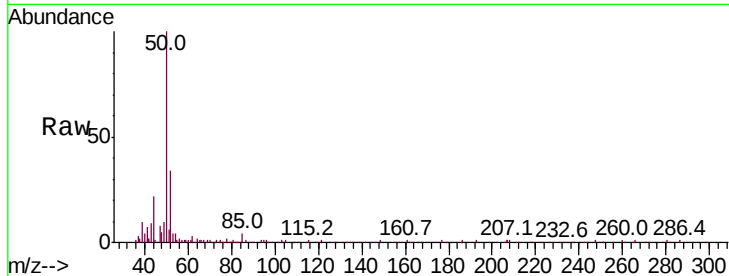
50 100

52 34.2 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.837 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062702.D

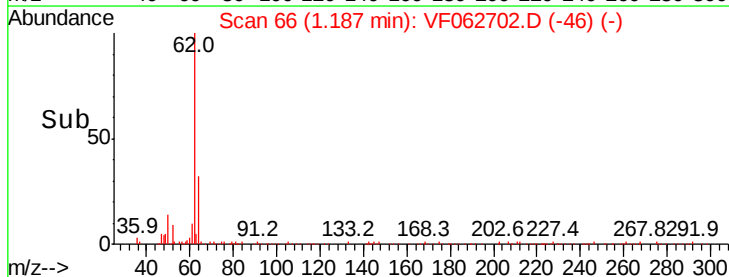
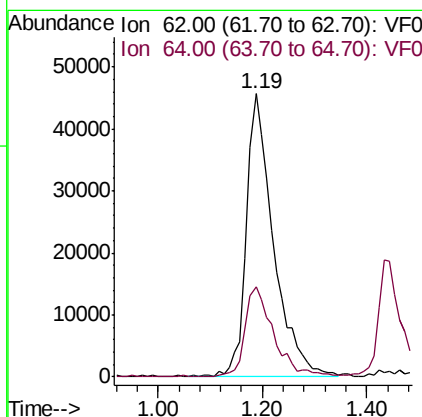
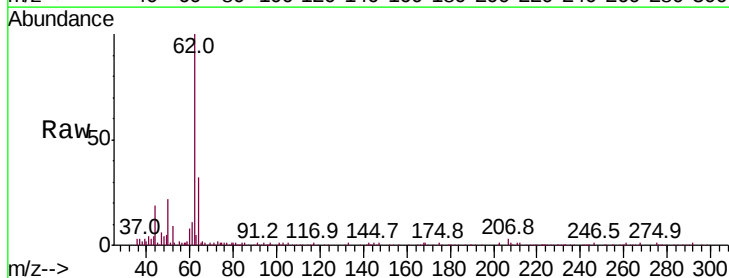
Acq: 22 May 2019 13:34

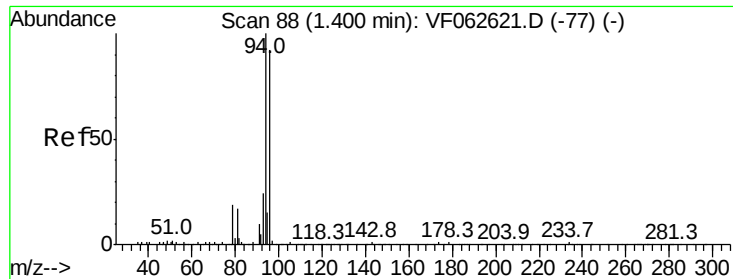
Tgt Ion: 62 Resp: 160582

Ion Ratio Lower Upper

62 100

64 31.8 26.7 40.1





#5

Bromomethane

Concen: 19.513 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 94 Resp: 86412

Ion Ratio Lower Upper

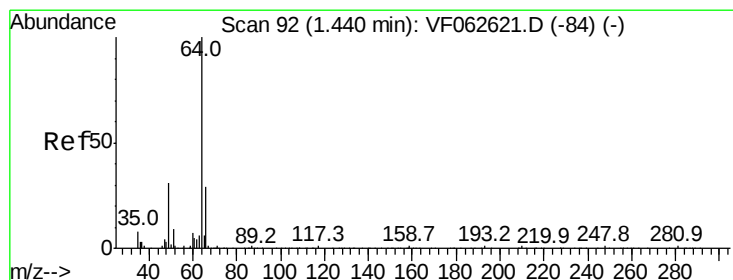
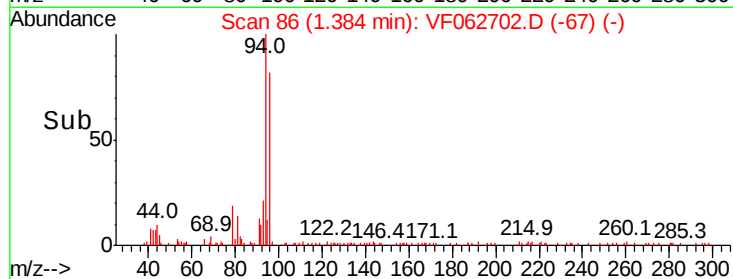
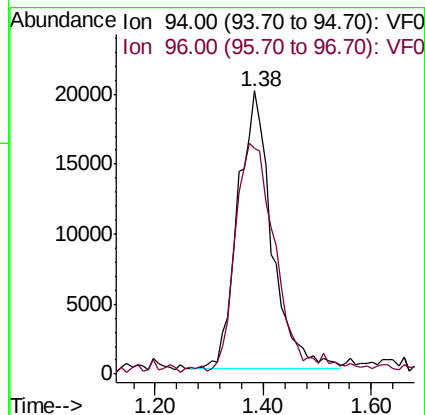
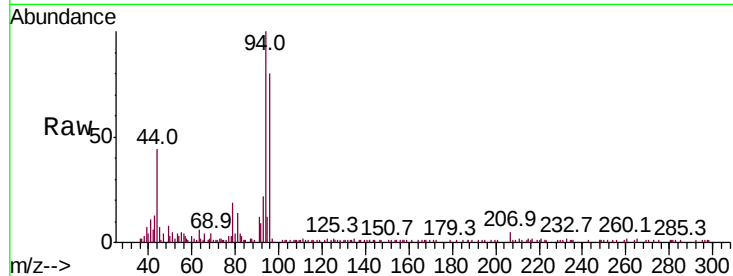
94 100

96 79.9 73.2 109.8

Manual Integrations
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#6

Chloroethane

Concen: 17.706 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062702.D

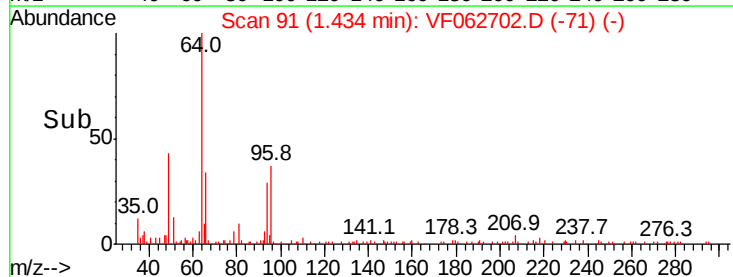
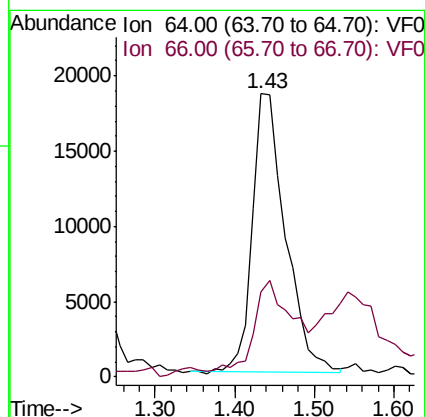
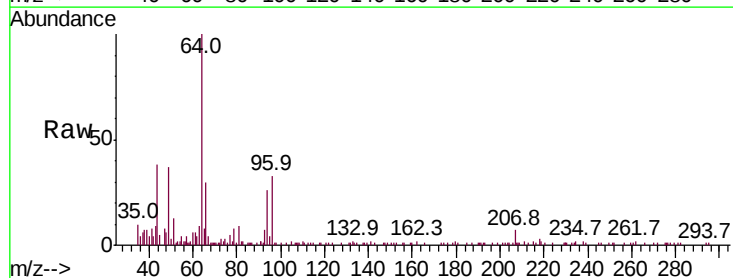
Acq: 22 May 2019 13:34

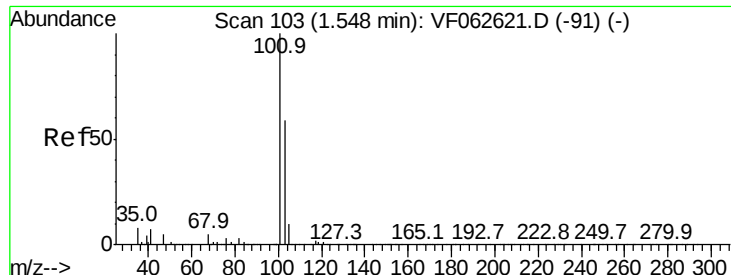
Tgt Ion: 64 Resp: 52639

Ion Ratio Lower Upper

64 100

66 30.0 23.4 35.2





#7

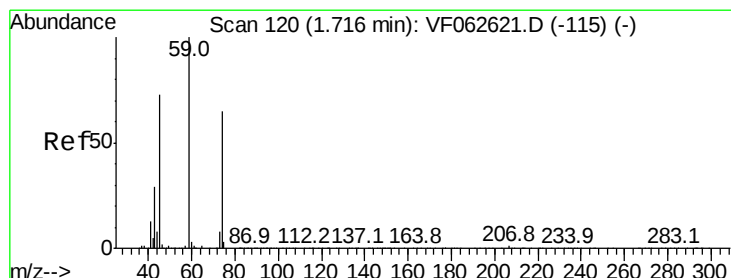
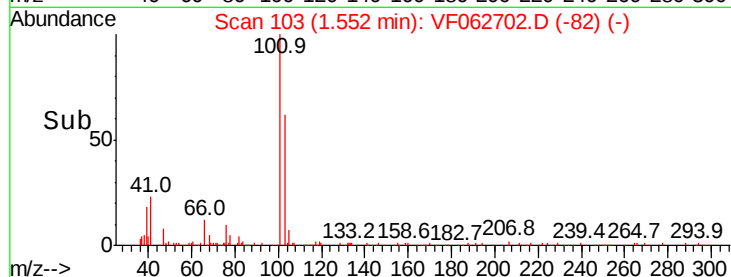
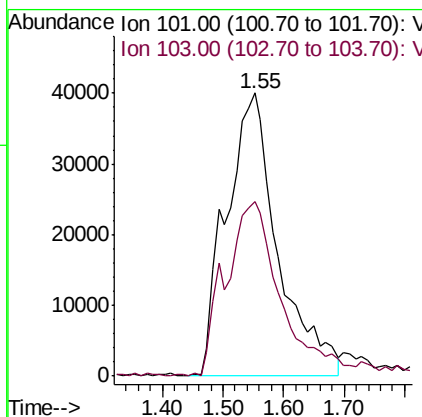
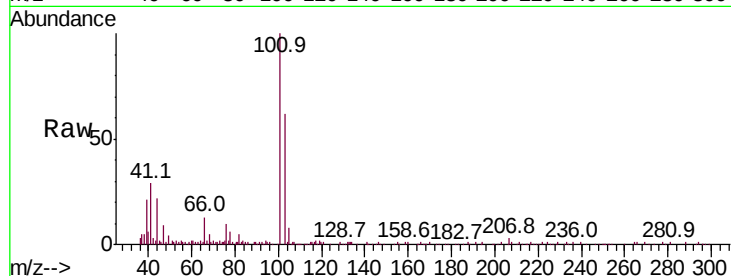
Trichlorofluoromethane
Concen: 21.823 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	47.3	70.9

Manual Integrations
APPROVED

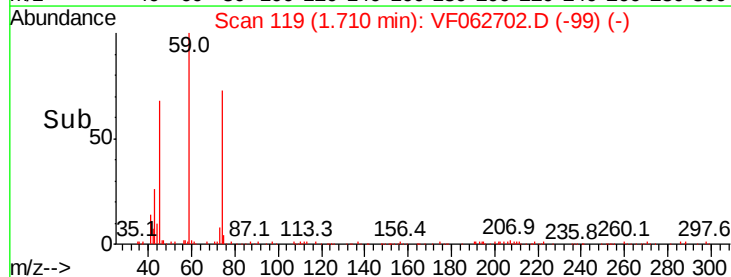
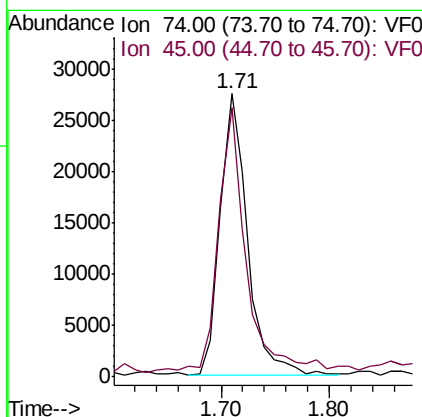
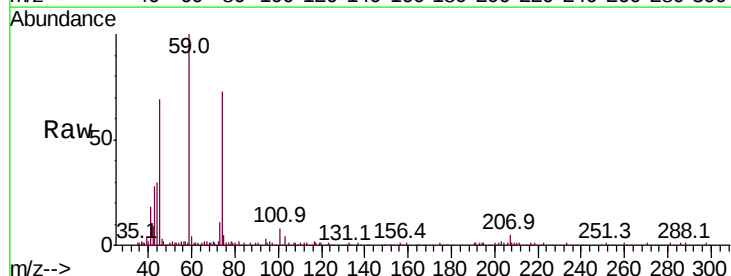
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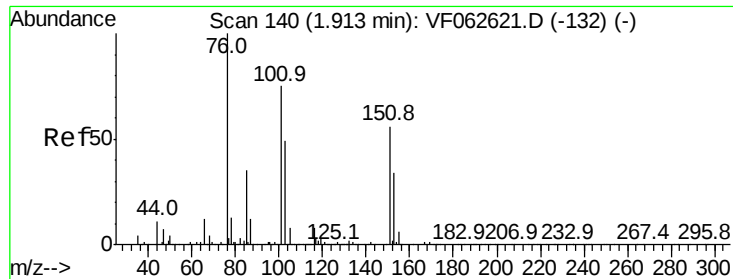


#8

Diethyl Ether
Concen: 22.316 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.939 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

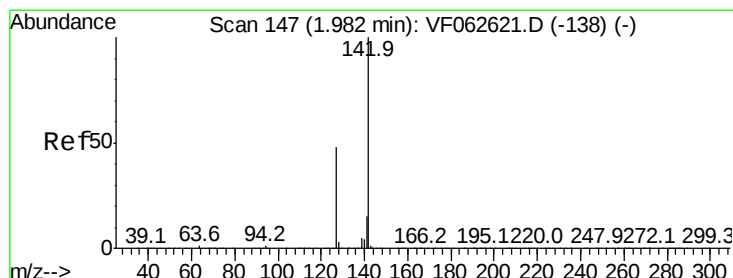
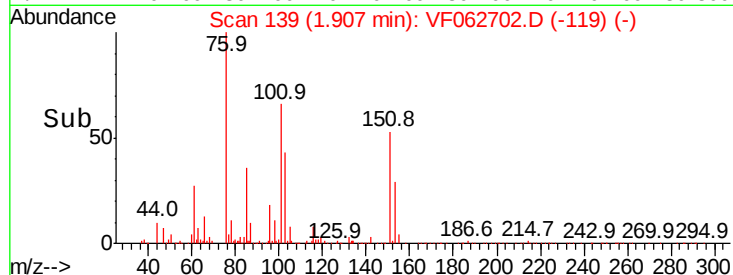
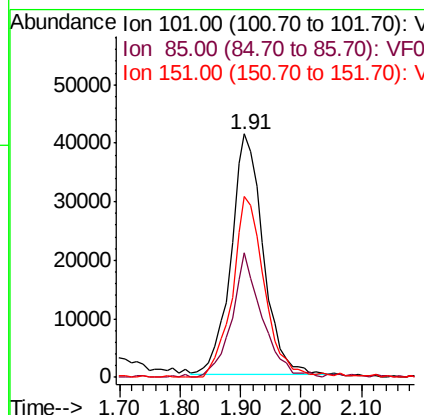
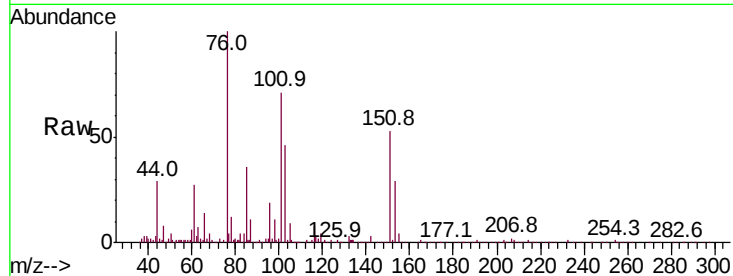
ClientSampleId :

VF0522SBS01

Tot Ion:	101	Resp:	151840
Ion Ratio	Lower	Upper	
101	100		
85	52.4	37.1	55.7
151	74.5	58.8	88.2

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#10

Methyl Iodide

Concen: 21.350 ug/l

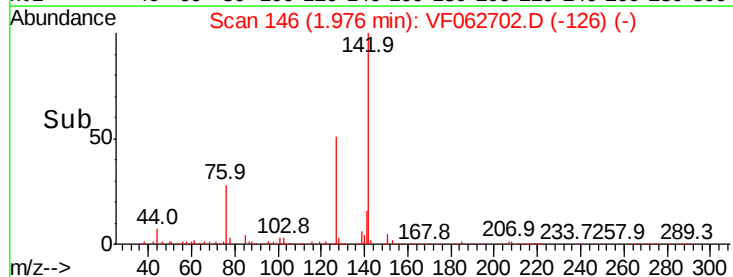
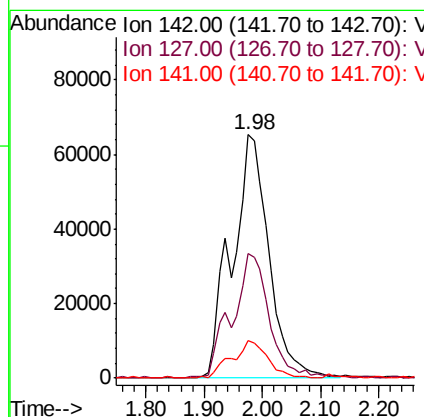
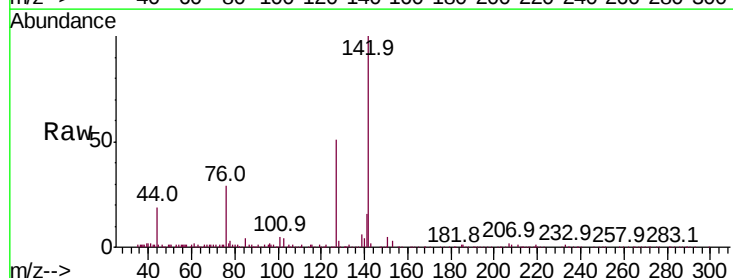
RT: 1.98 min Scan# 146

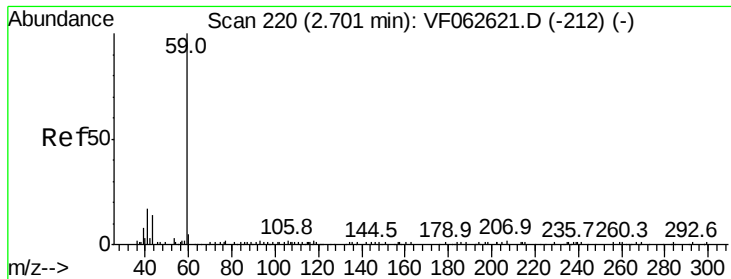
Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	142	Resp:	290270
Ion Ratio	Lower	Upper	
142	100		
127	51.2	38.1	57.1
141	15.7	11.7	17.5





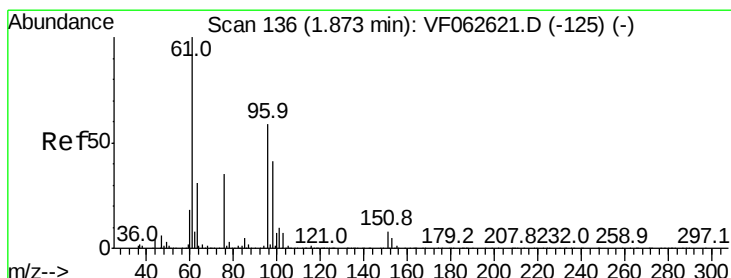
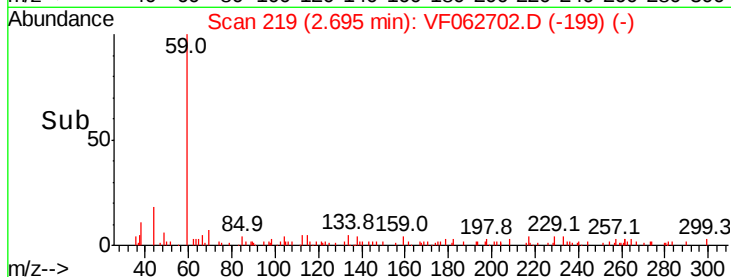
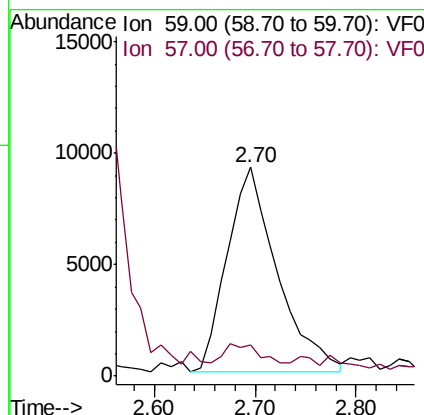
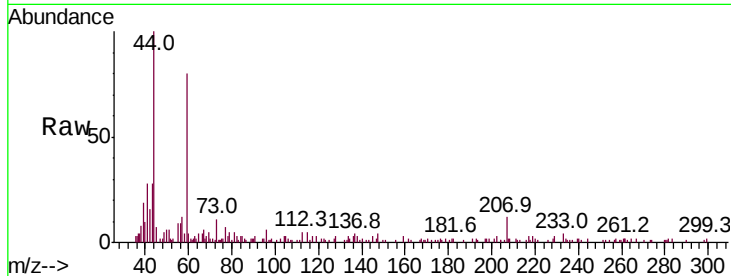
#11
Tert butyl alcohol
Concen: 97.064 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.1	9.3	13.9#

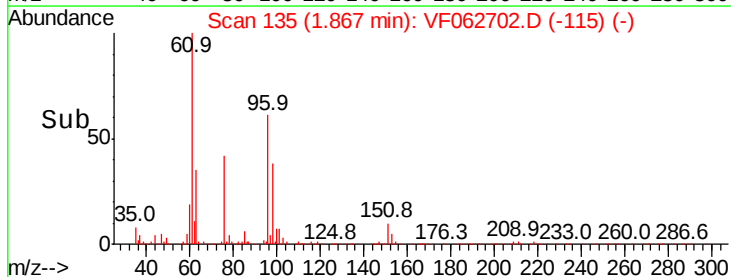
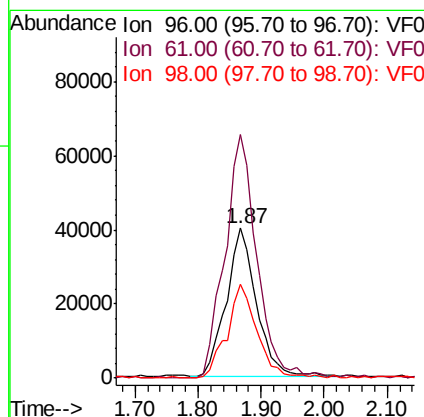
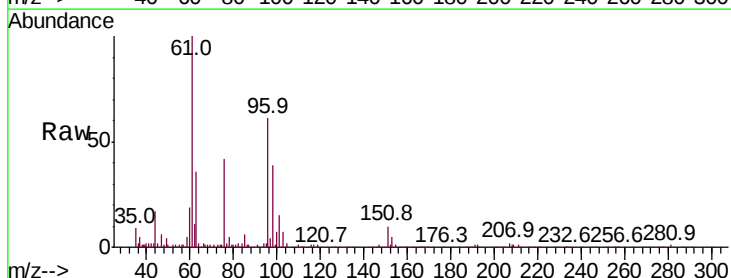
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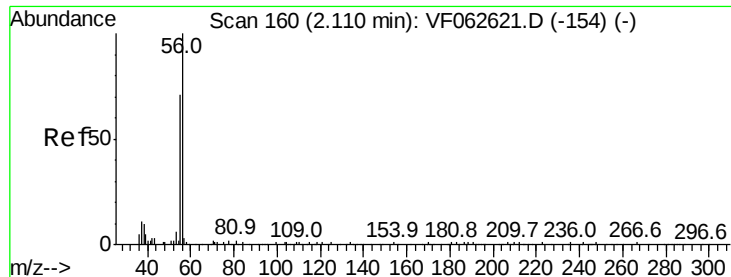
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.166 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	134.3	201.5
98	62.9	55.0	82.6





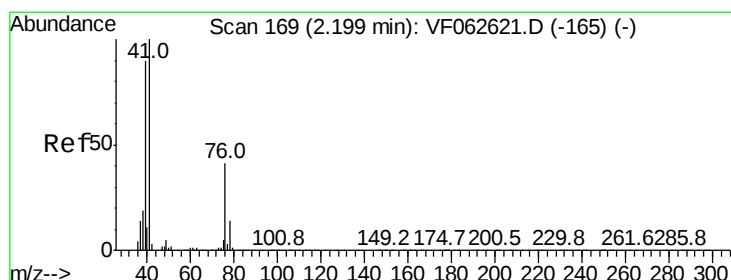
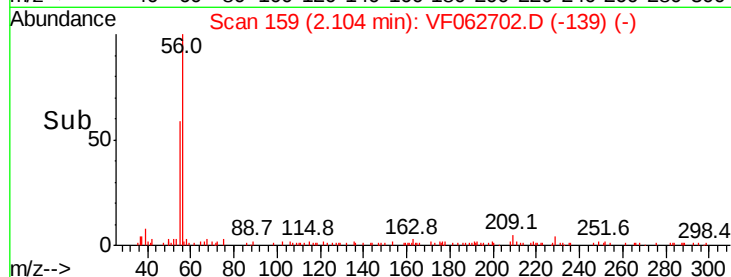
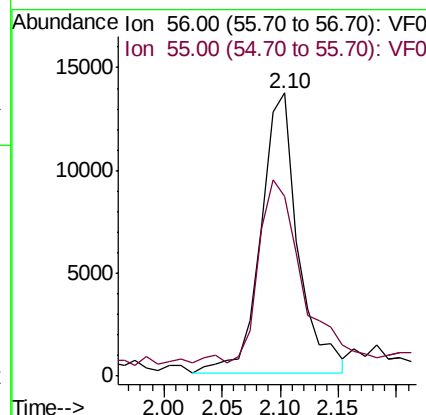
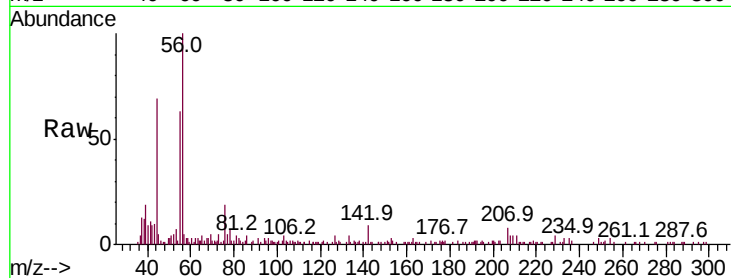
#13
Acrolein
Concen: 89.030 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	56	Resp	30429
Ion Ratio	100	Lower	Upper
56	100		
55	63.3	59.4	89.0

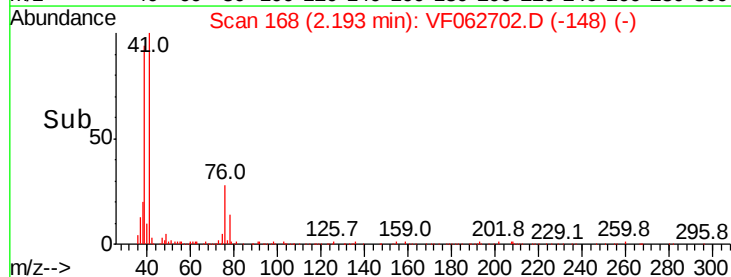
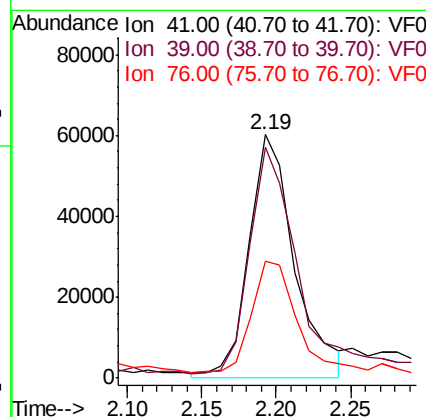
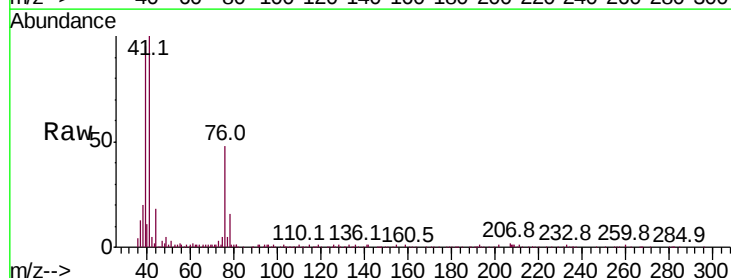
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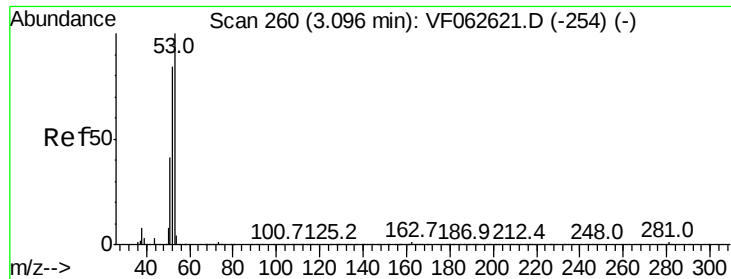
MMDadoda
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#14
Allyl chloride
Concen: 22.489 ug/l m
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	41	Resp	128324
Ion Ratio	100	Lower	Upper
41	100		
39	94.9	72.0	108.0
76	48.2	34.8	52.2





#15

Acrylonitrile

Concen: 110.033 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

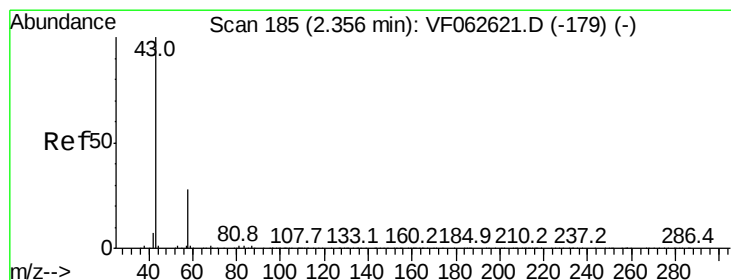
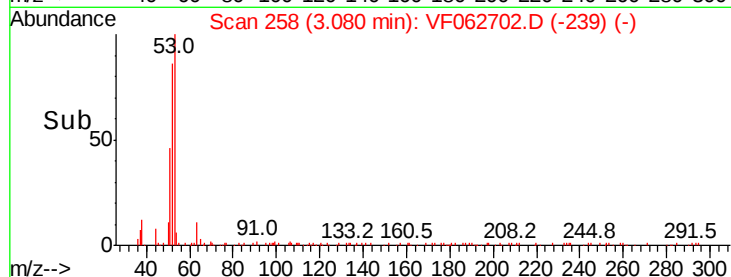
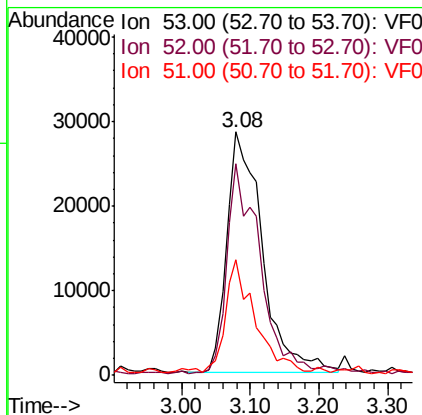
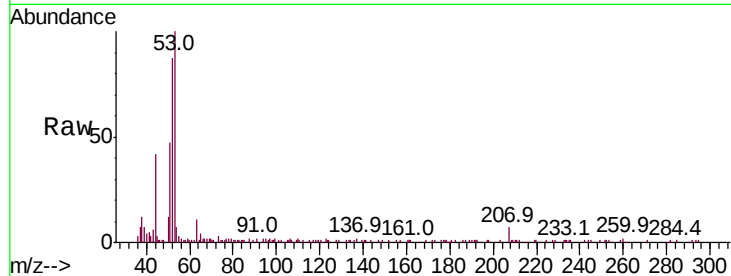
ClientSampleId :

VF0522SBS01

Tot Ion:	53	Resp:	101627
Ion Ratio		Lower	Upper
53	100		
52	86.7	67.3	100.9
51	47.4	33.0	49.6

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#16

Acetone

Concen: 84.193 ug/l

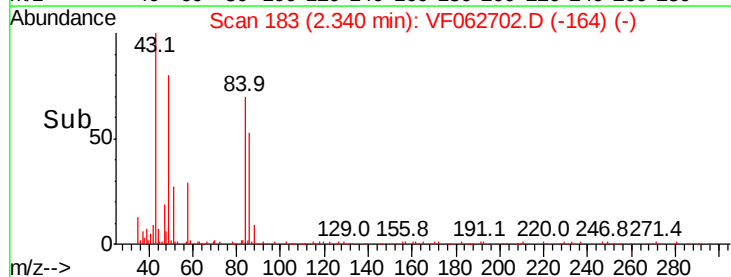
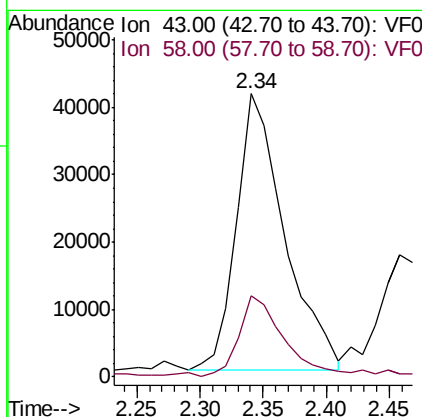
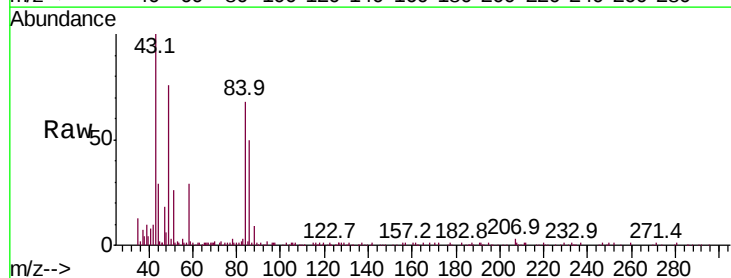
RT: 2.34 min Scan# 183

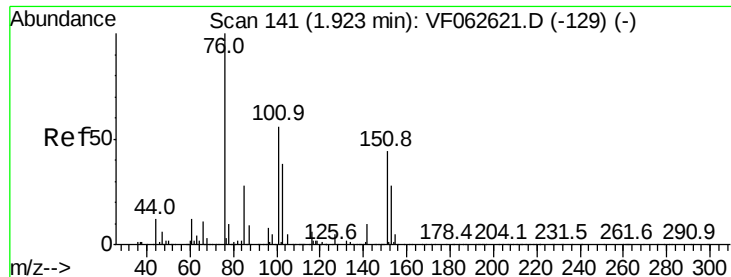
Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	43	Resp:	108325
Ion Ratio		Lower	Upper
43	100		
58	28.8	22.6	33.8





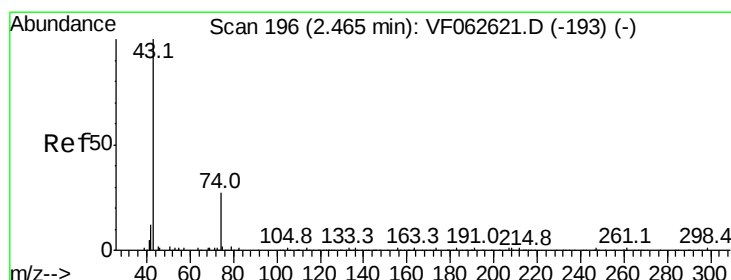
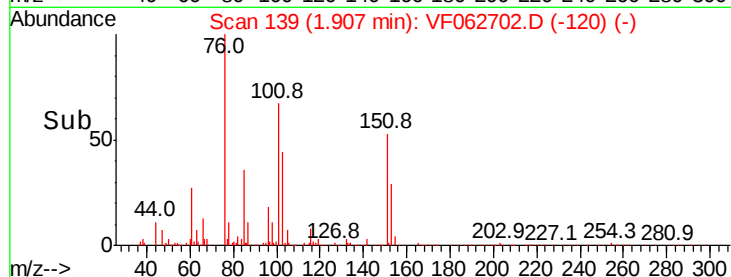
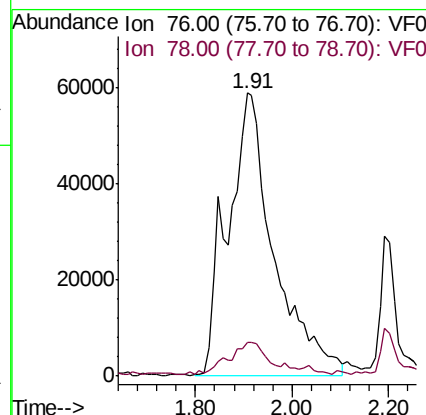
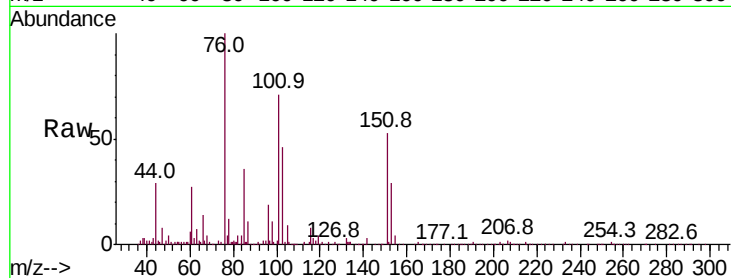
#17
Carbon Disulfide
Concen: 21.093 ug/l m
RT: 1.91 min Scan# 139
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion: 76 Resp: 394164
Ion Ratio Lower Upper
76 100
78 11.8 8.4 12.6

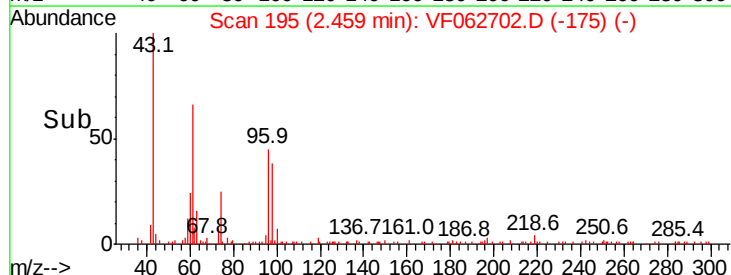
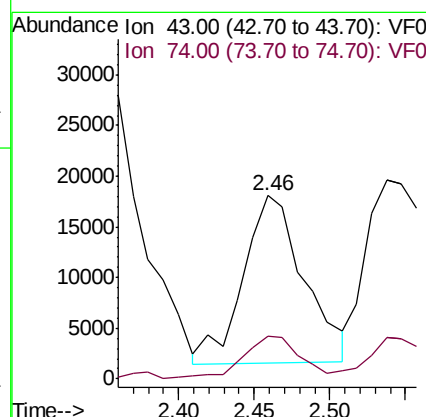
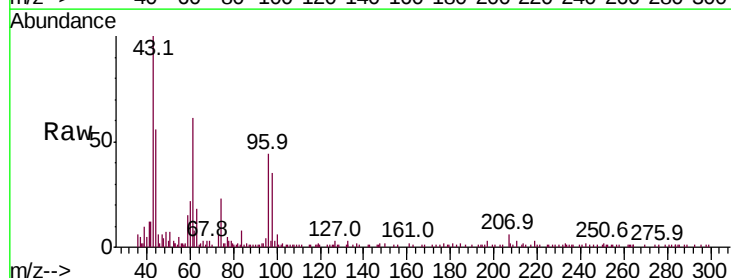
Manual Integrations
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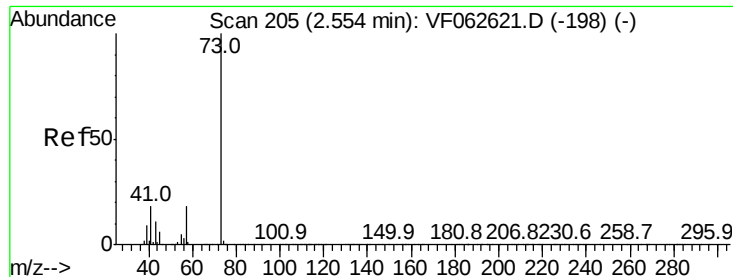
MMDadoda
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#18
Methyl Acetate
Concen: 22.803 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 43 Resp: 46105
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3





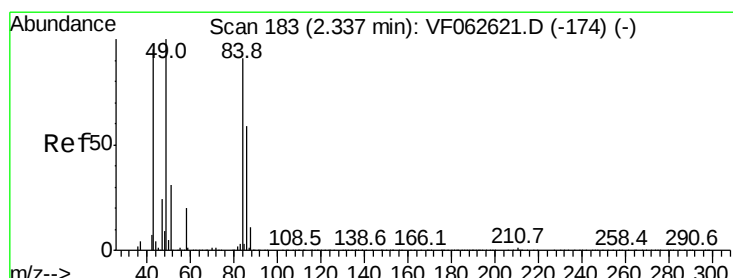
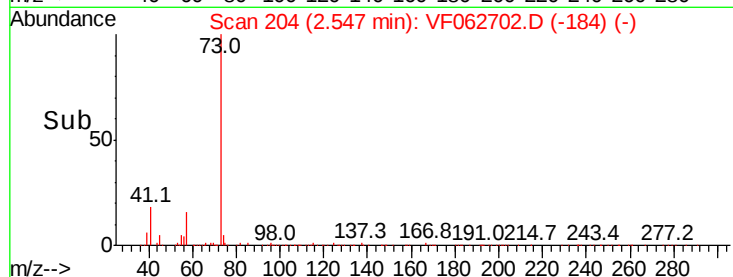
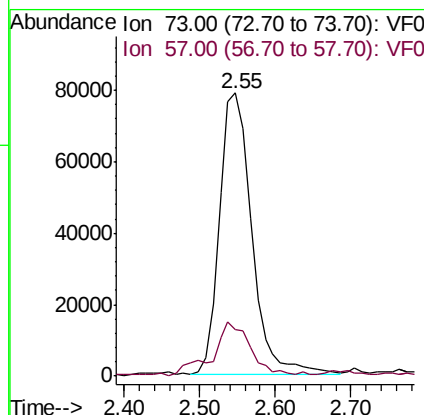
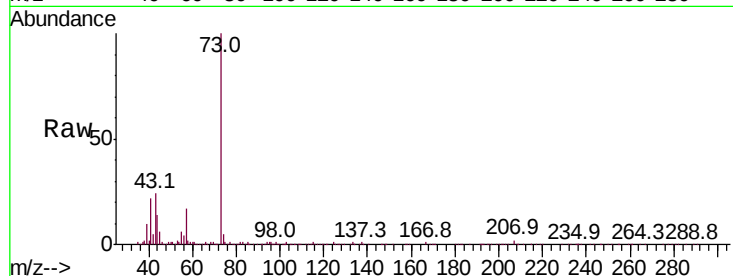
#19
Methyl tert-butyl Ether
Concen: 20.838 ug/l
RT: 2.55 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	14.2	21.4

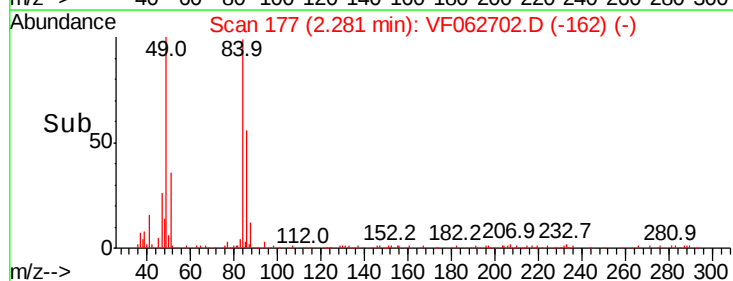
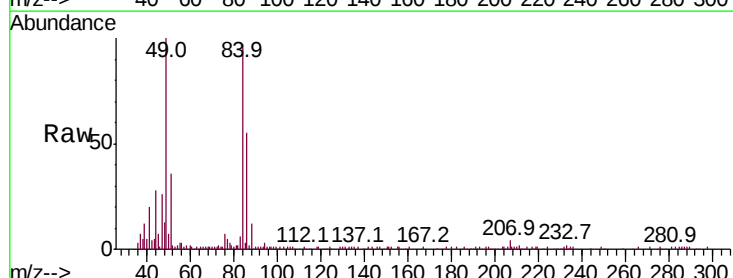
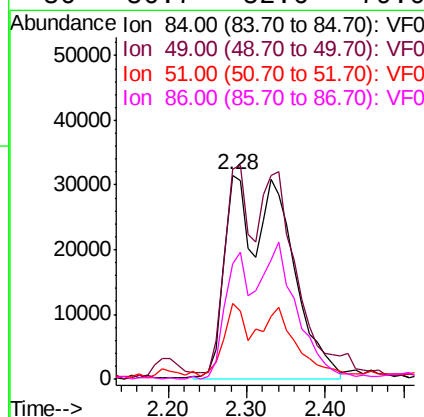
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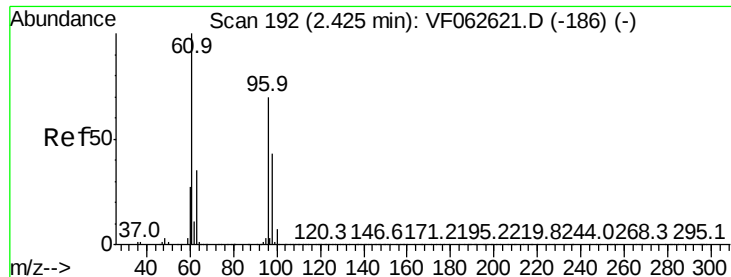
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#20
Methylene Chloride
Concen: 25.889 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	102.6	89.8	134.8
51	37.3	28.4	42.6
86	56.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 21.018 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

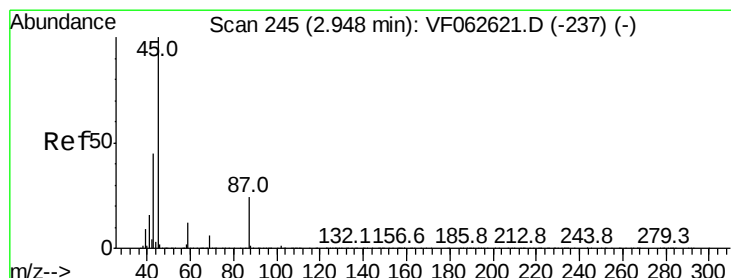
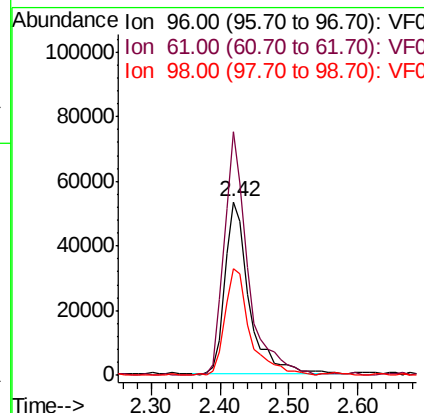
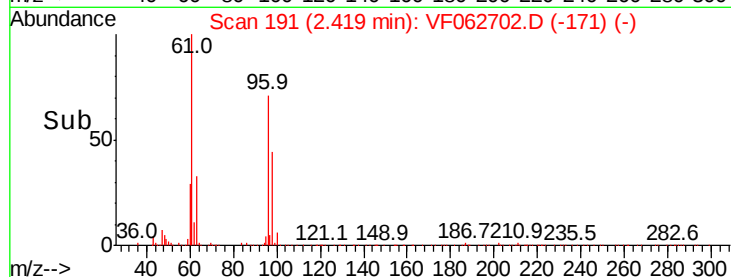
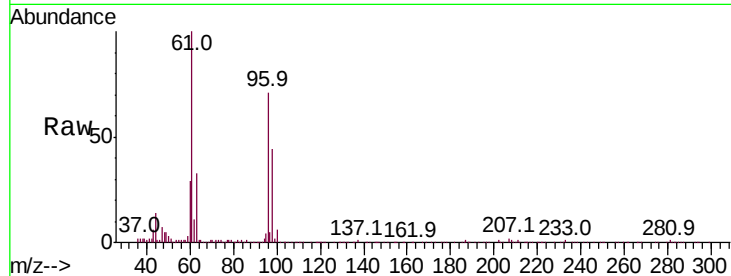
ClientSampleId :

VF0522SBS01

Tot Ion:	96	Resp:	129519
Ion	Ratio	Lower	Upper
96	100		
61	140.3	114.6	171.8
98	61.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 20.642 ug/l

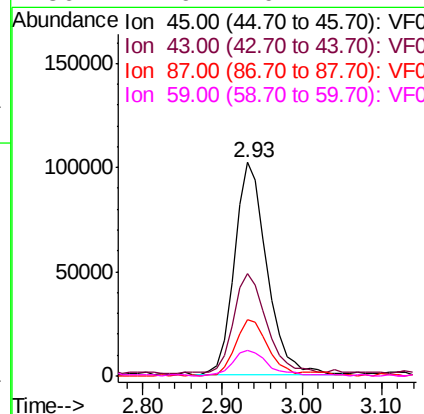
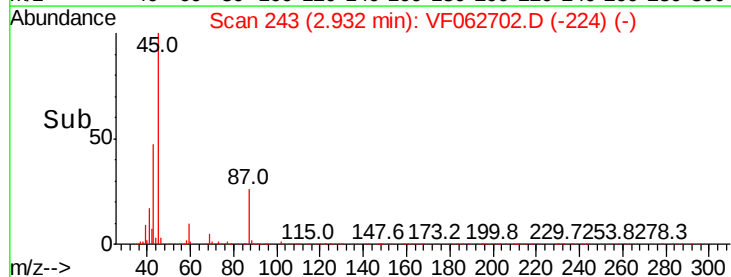
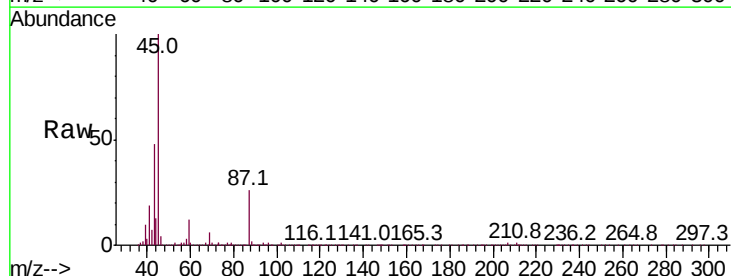
RT: 2.93 min Scan# 243

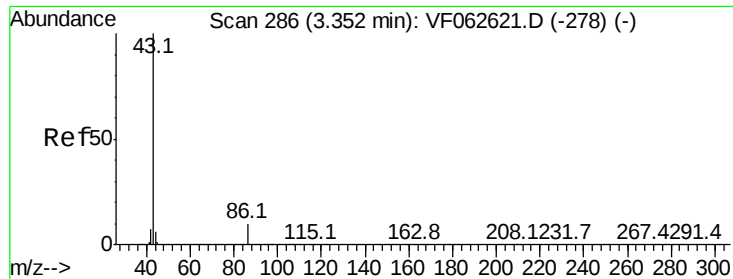
Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	45	Resp:	290504
Ion	Ratio	Lower	Upper
45	100		
43	48.2	36.4	54.6
87	26.4	19.3	28.9
59	11.9	9.4	14.2





#23

Vinyl Acetate

Concen: 102.444 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 972548

Ion Ratio Lower Upper

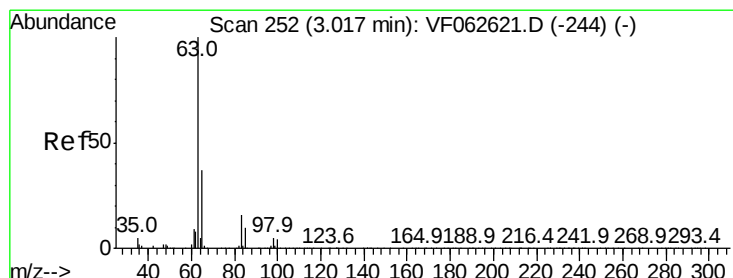
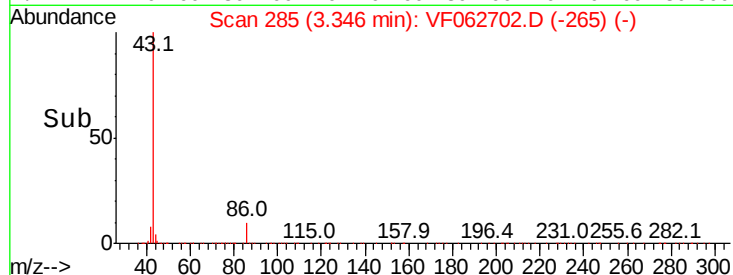
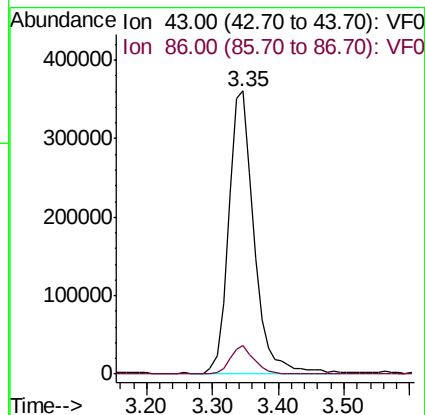
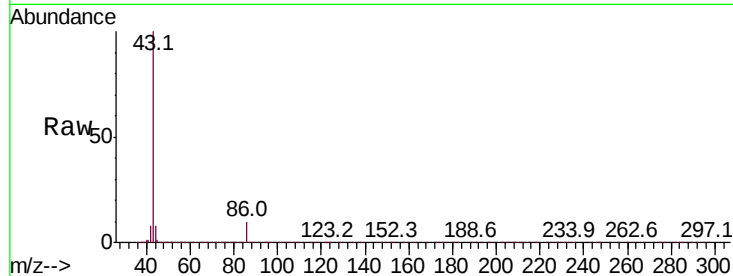
43 100

86 10.0 8.2 12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 22.330 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

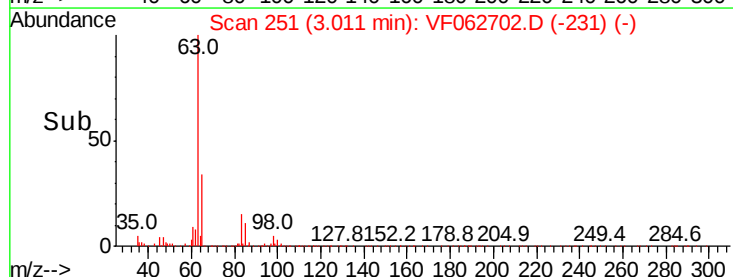
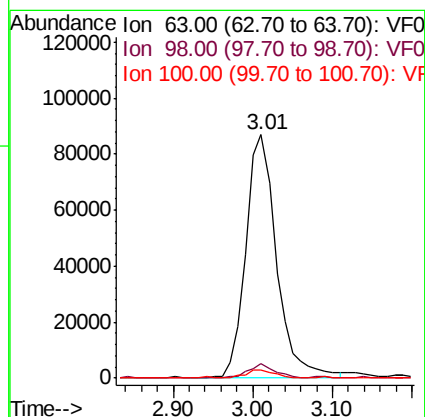
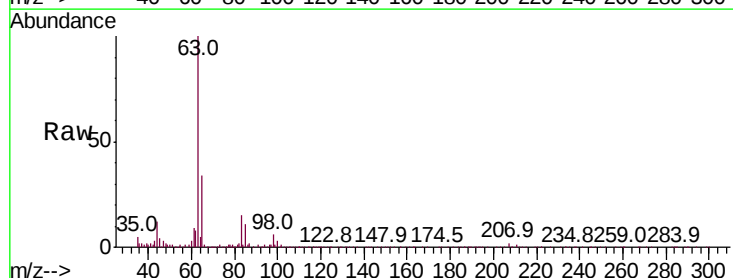
Tgt Ion: 63 Resp: 230537

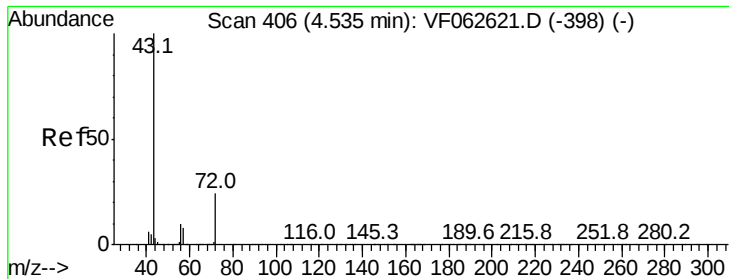
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.3 1.9 5.7





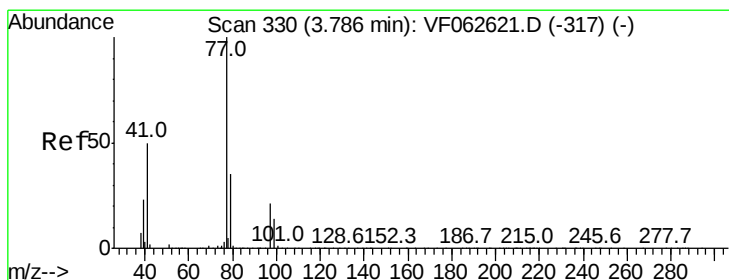
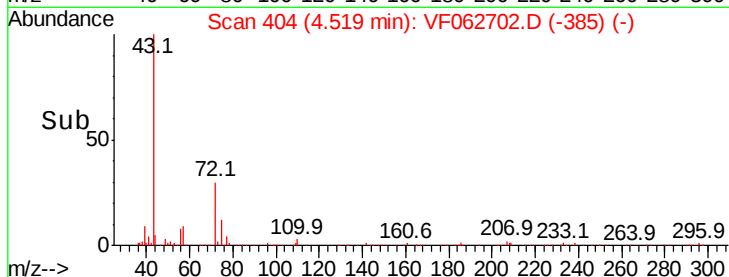
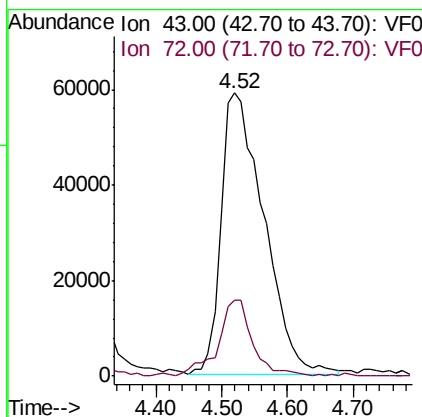
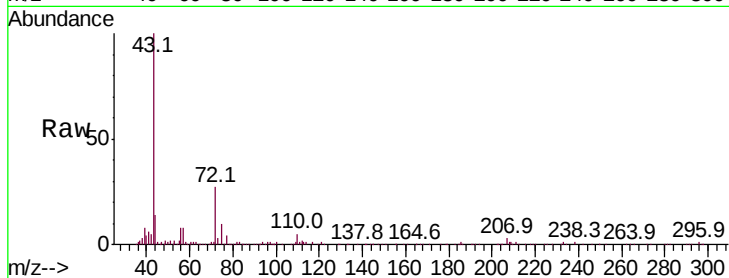
#25
2-Butanone
Concen: 97.198 ug/l
RT: 4.52 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion: 43 Resp: 267186
Ion Ratio Lower Upper
43 100
72 26.8 20.1 30.1

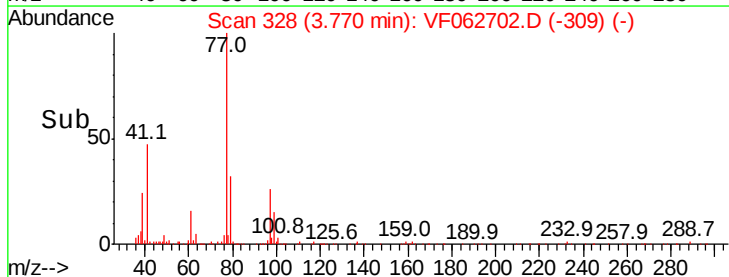
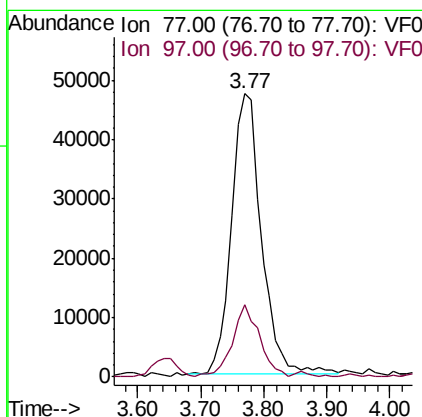
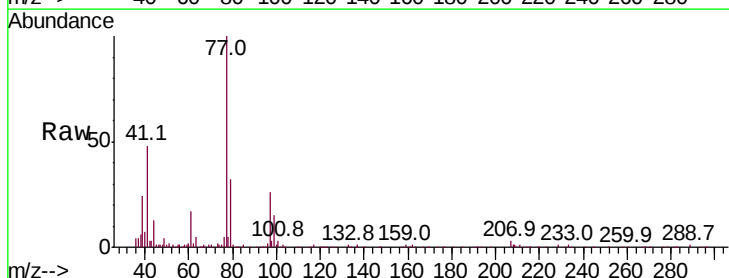
Manual Integrations
APPROVED

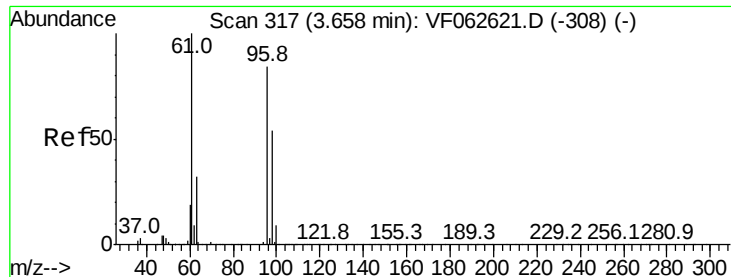
MMDadoda
5/23/2019 12:16:42 PM



#26
2,2-Dichloropropane
Concen: 26.157 ug/l
RT: 3.77 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 77 Resp: 154513
Ion Ratio Lower Upper
77 100
97 25.5 14.1 42.4





#27

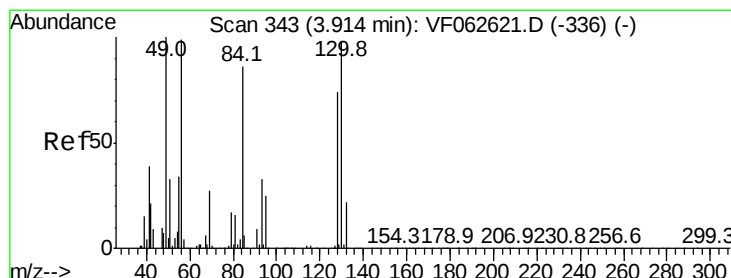
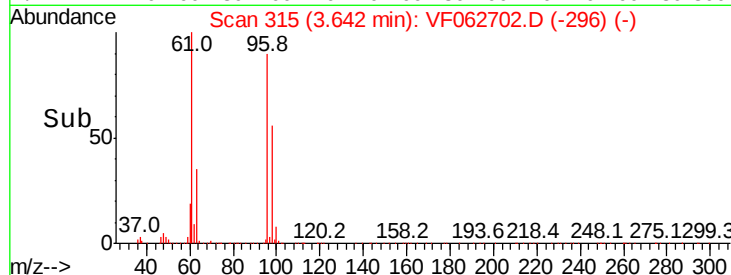
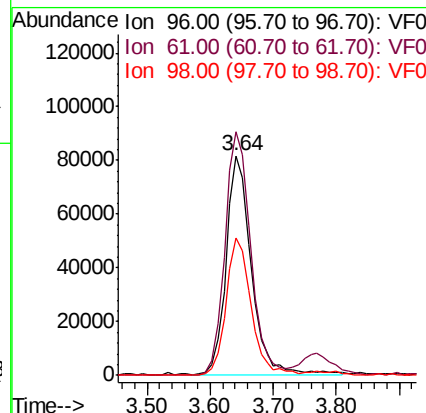
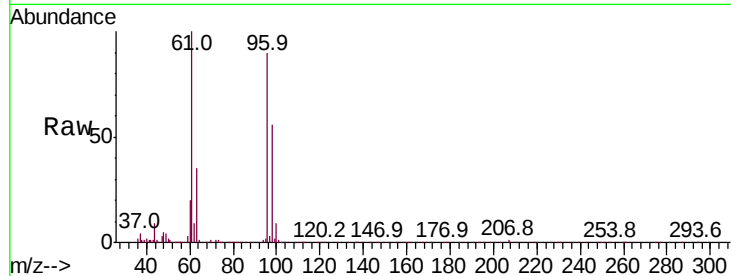
cis-1,2-Dichloroethene
Concen: 22.309 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	226135		
61	111.0	0.0	237.4	
98	62.6	0.0	129.0	

Manual Integrations
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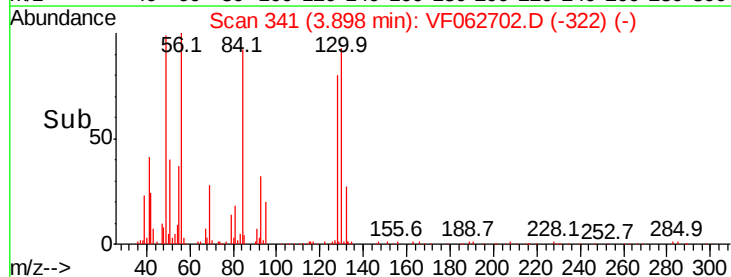
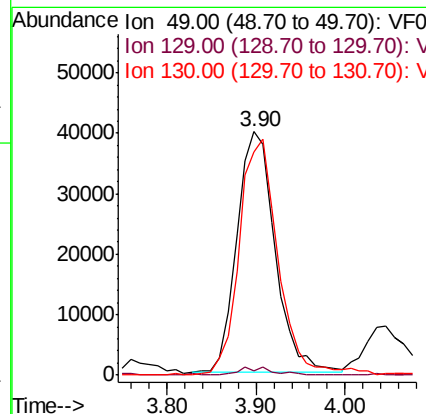
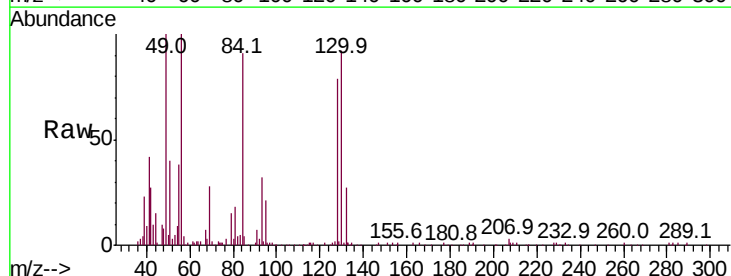
MMDadoda
5/23/2019 12:16:42 PM

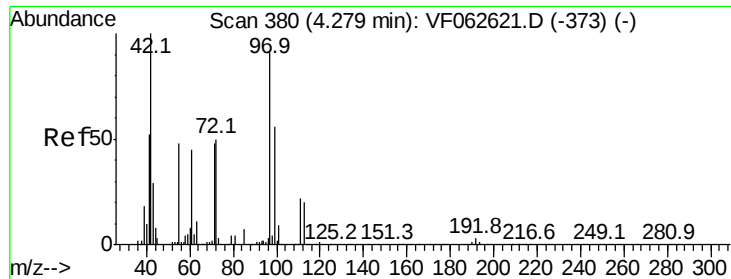


#28

Bromochloromethane
Concen: 20.393 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118082		
129	1.9	0.0	4.0	
130	91.8	77.8	116.8	





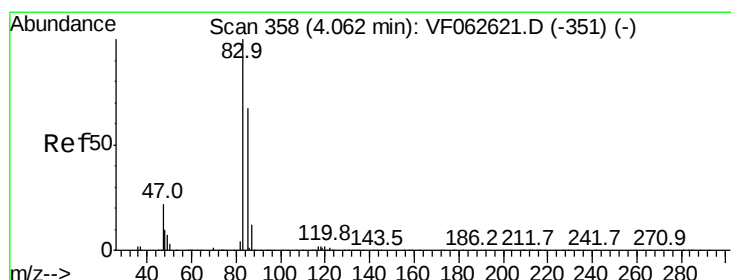
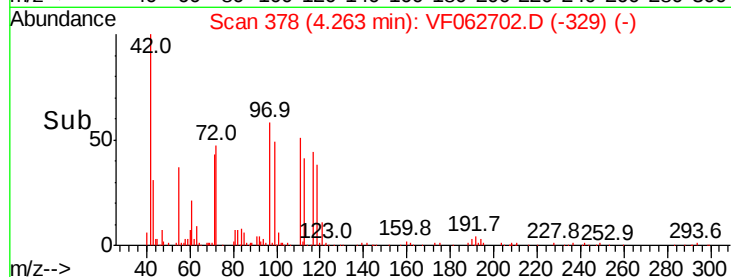
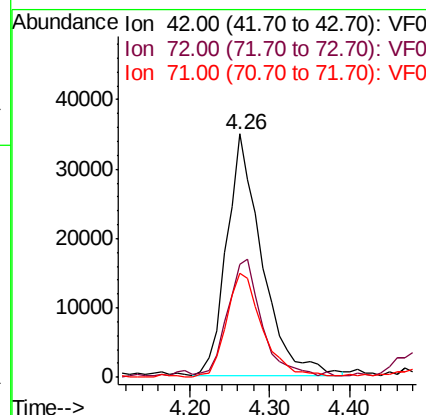
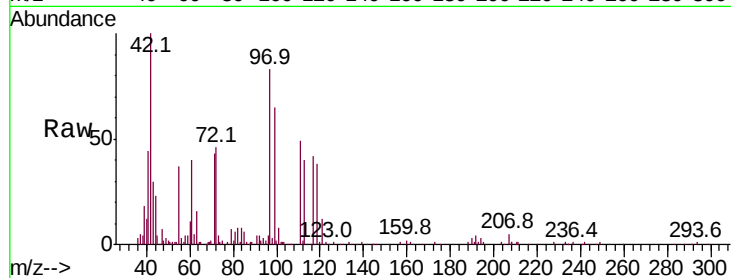
#29
Tetrahydrofuran
Concen: 96.892 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	38.2	57.2
71	44.4	35.8	53.6

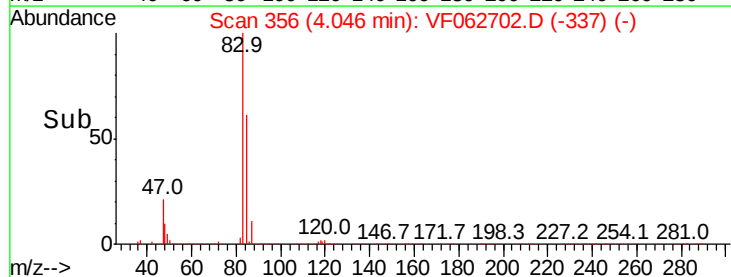
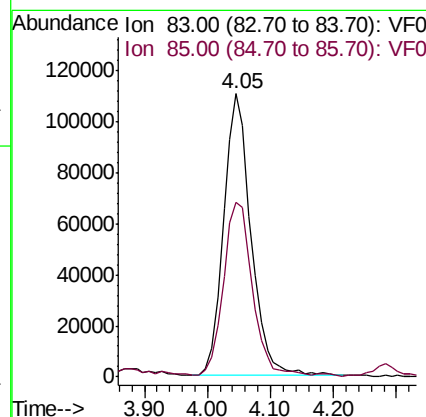
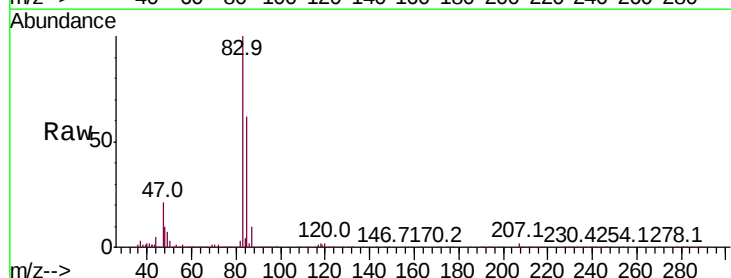
Manual Integrations
APPROVED

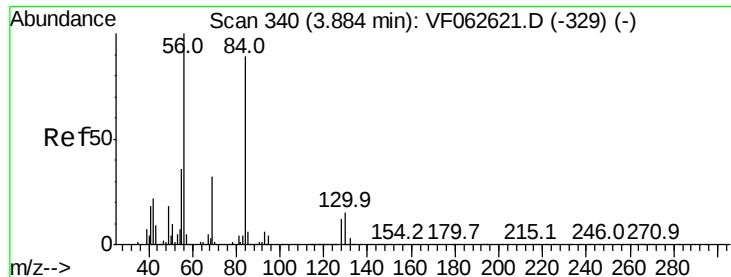
MMDadoda
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#30
Chloroform
Concen: 23.220 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	53.6	80.4





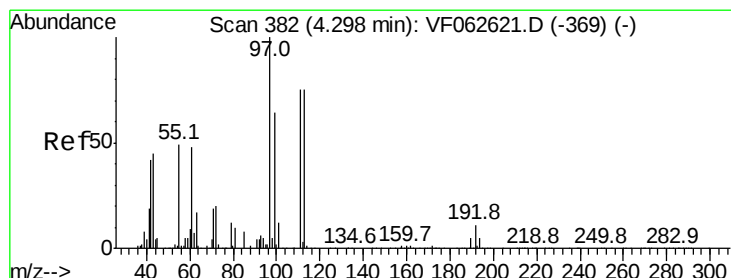
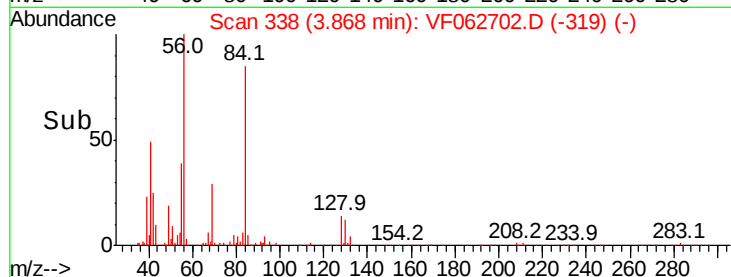
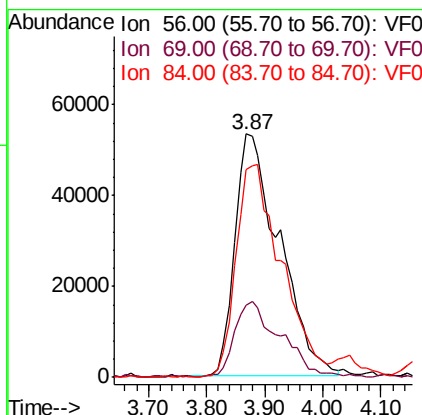
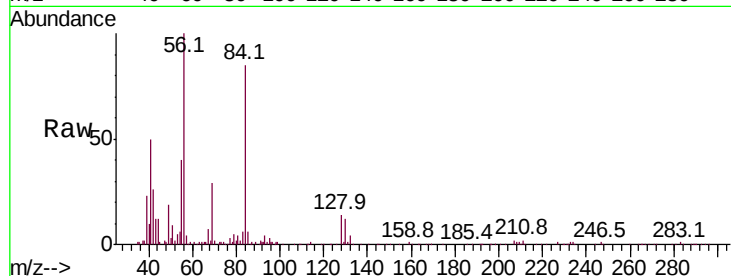
#31
Cyclohexane
Concen: 20.545 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.3	37.9
84	85.1	71.0	106.4

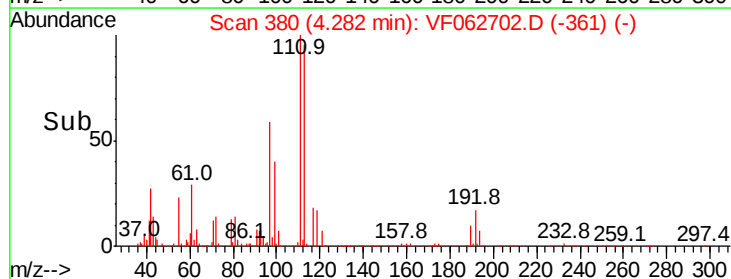
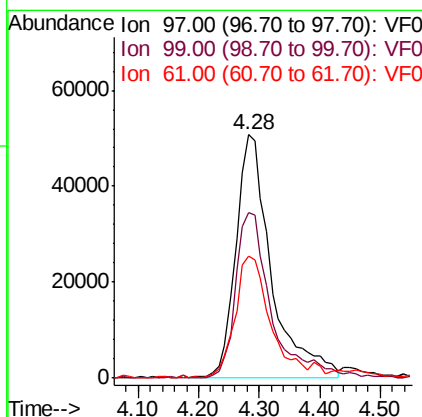
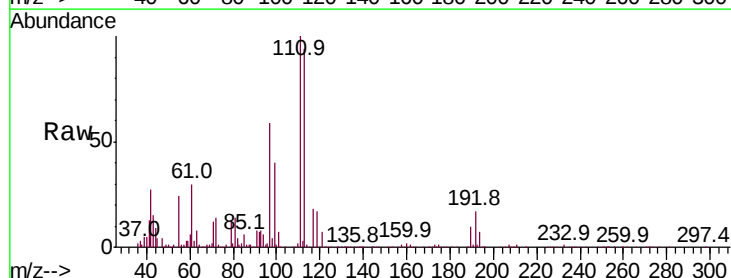
Manual Integrations
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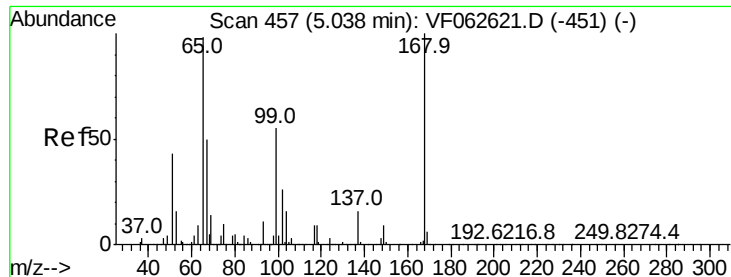
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#32
1,1,1-Trichloroethane
Concen: 21.868 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.8	51.3	76.9
61	50.3	38.2	57.2





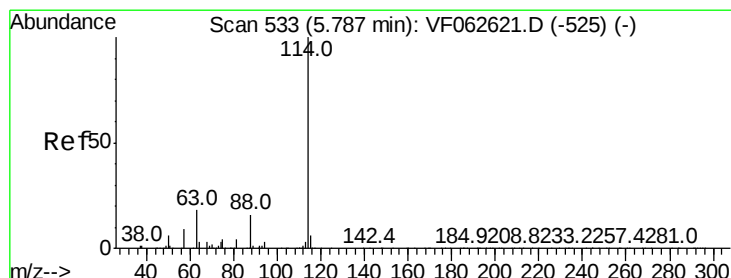
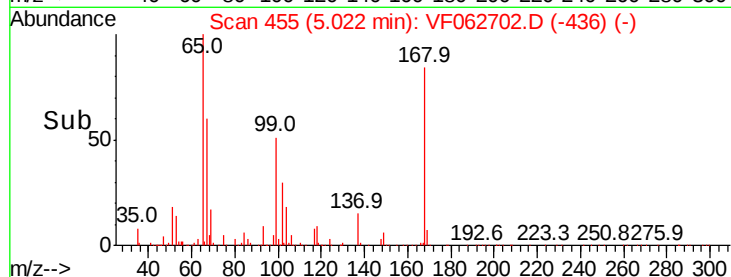
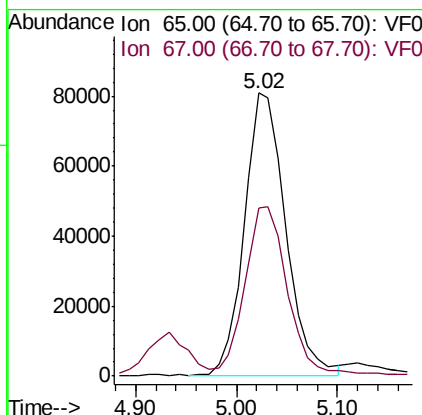
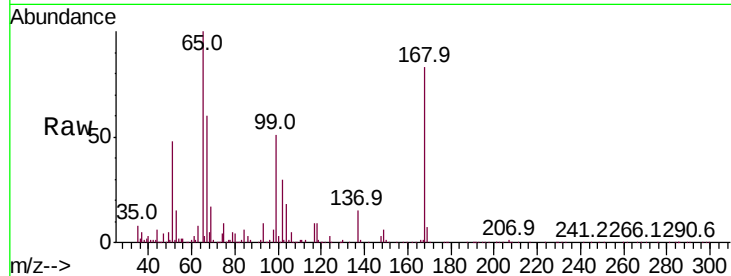
#33
 1,2-Dichloroethane-d4
 Concen: 46.720 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	231705		
67	59.6	0.0	117.6	

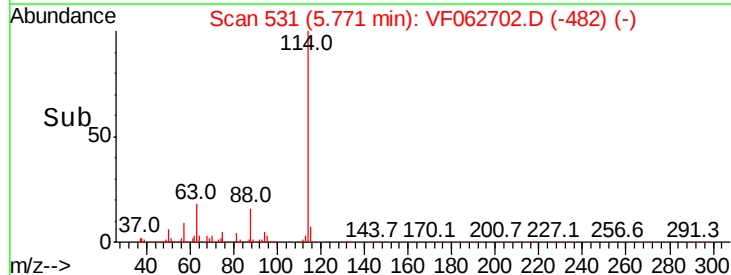
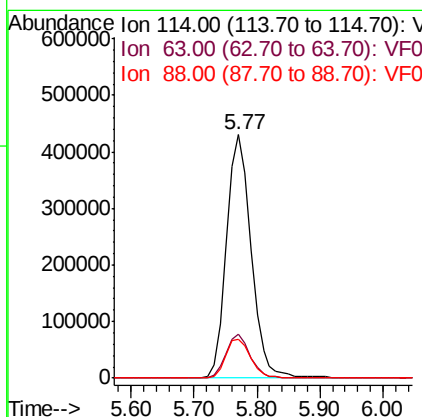
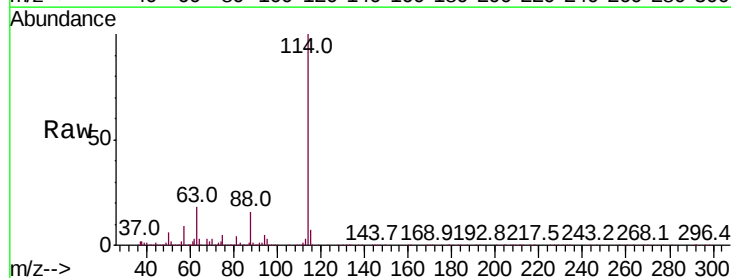
Manual Integrations
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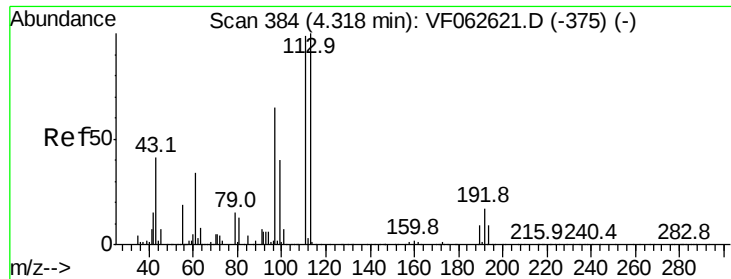
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1164837		
63	17.9	0.0	35.4	
88	16.2	0.0	32.4	





#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

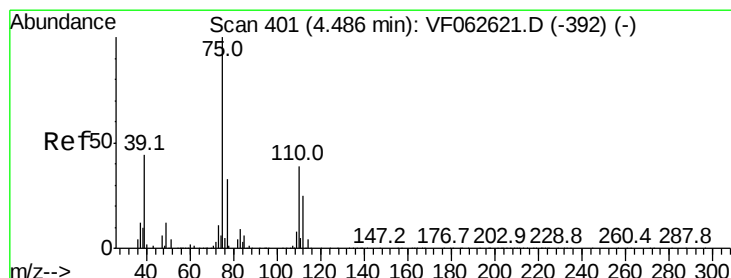
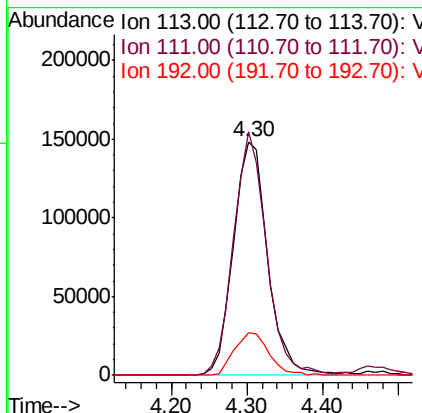
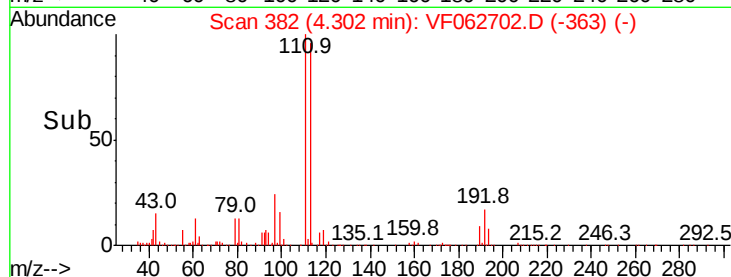
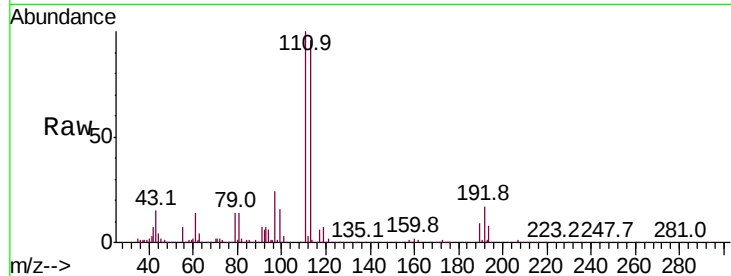
ClientSampleId :

VF0522SBS01

Tot Ion:	113	Resp:	465042
Ion Ratio	Lower	Upper	
113	100		
111	104.3	79.4	119.2
192	18.1	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.867 ug/l

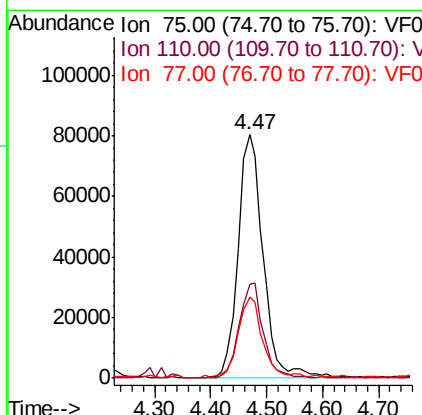
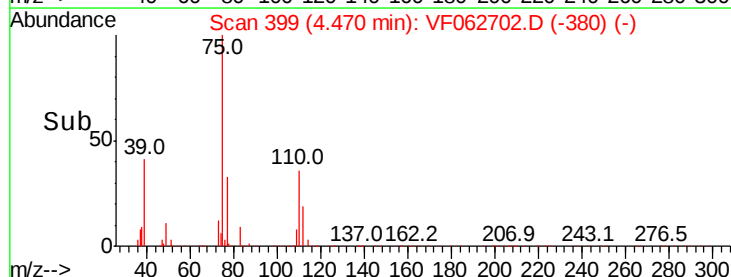
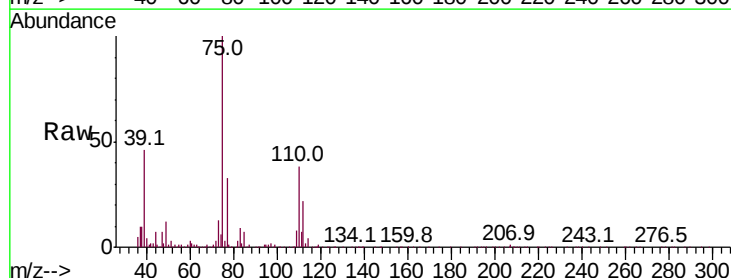
RT: 4.47 min Scan# 399

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	75	Resp:	249068
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.7	59.1
77	33.4	26.3	39.5





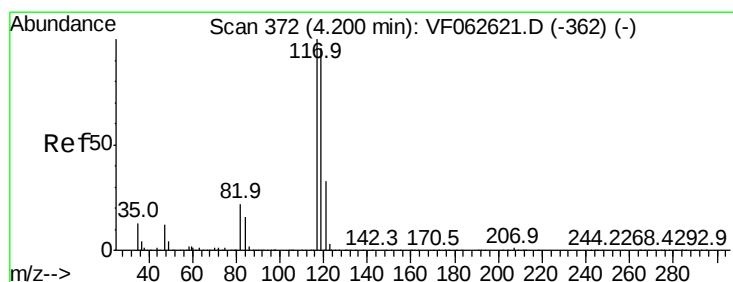
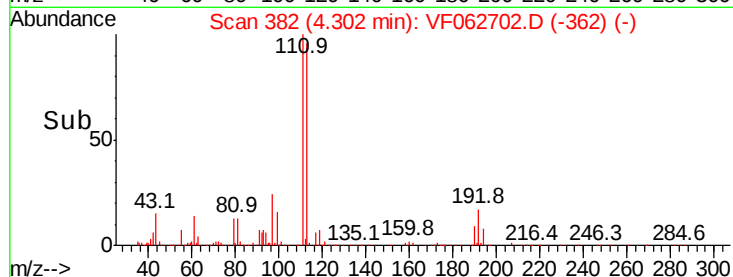
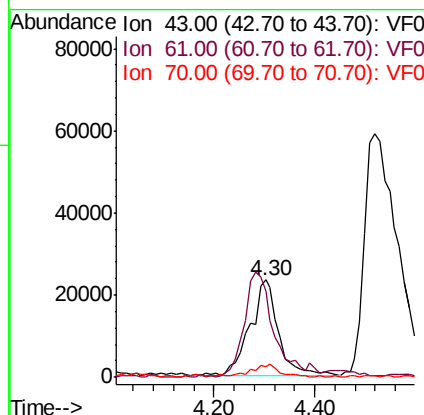
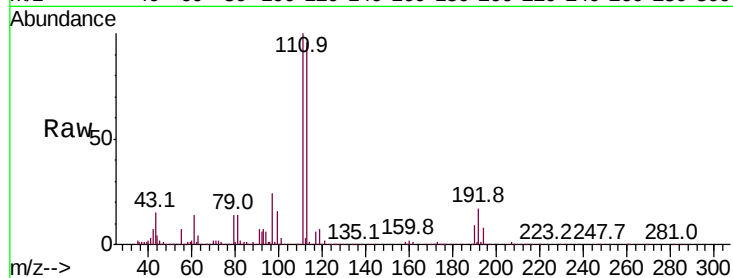
#37
Ethyl Acetate
Concen: 18.665 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	88.7	76.9	115.3
70	10.9	8.8	13.2

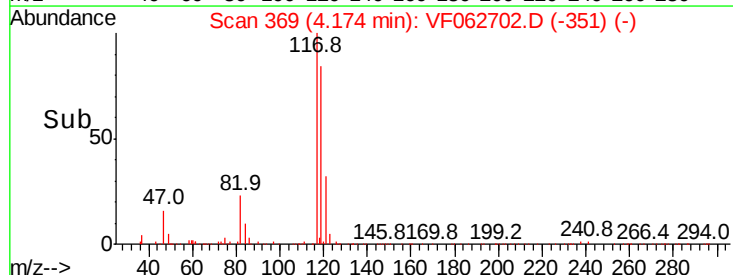
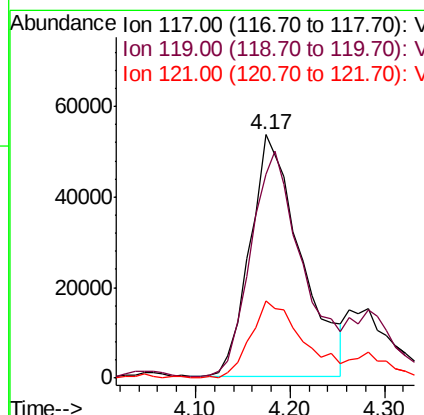
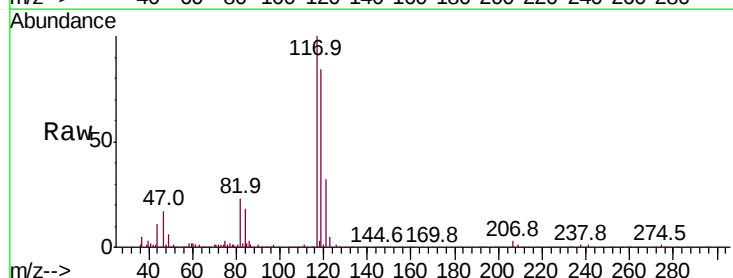
Manual Integrations
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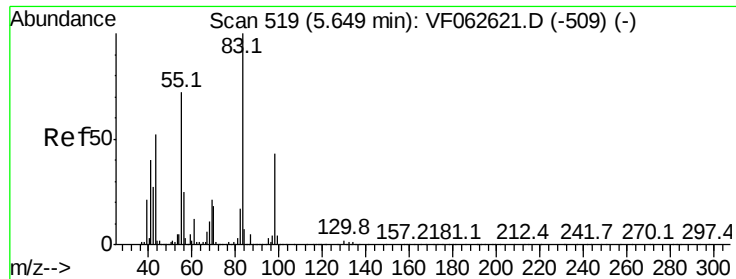
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#38
Carbon Tetrachloride
Concen: 22.328 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.7	76.7	115.1
121	31.6	26.6	40.0





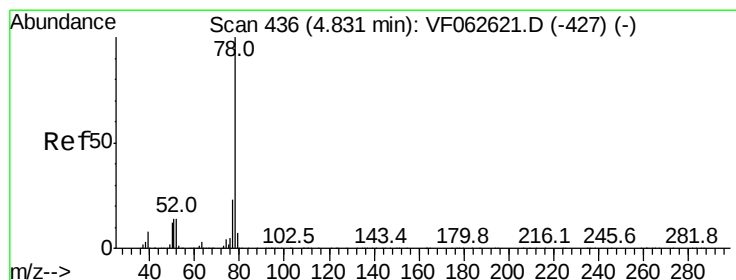
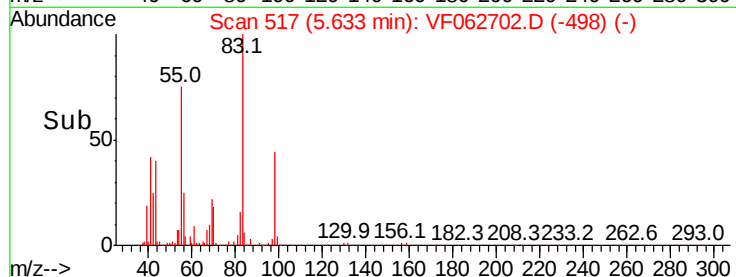
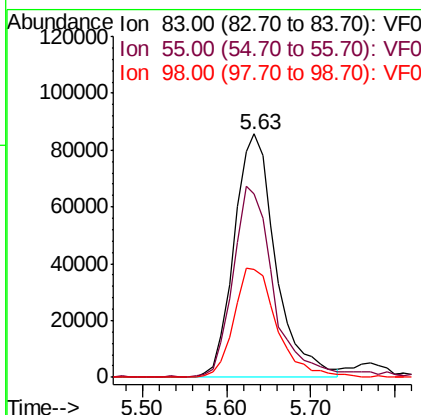
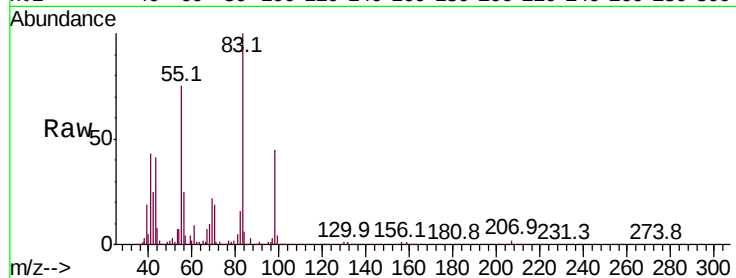
#39
Methvlcvclohexane
Concen: 20.560 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	295282		
55	75.2		57.9	86.9
98	44.6		34.6	52.0

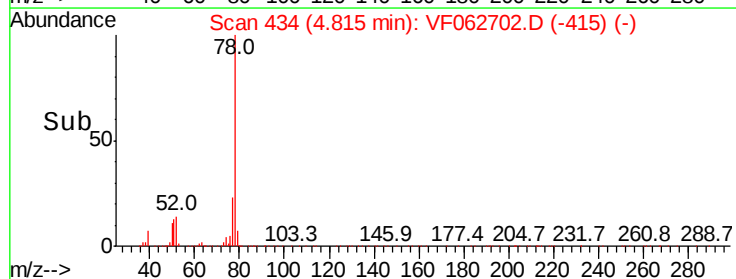
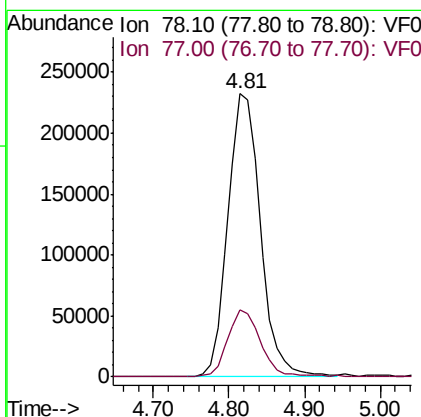
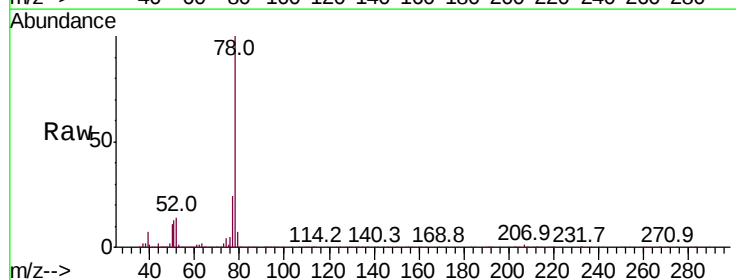
Manual Integrations
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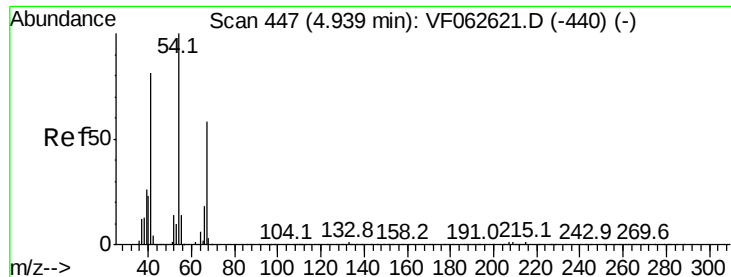
MMDadoda
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#40
Benzene
Concen: 21.193 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	689121		
77	23.7		18.2	27.2





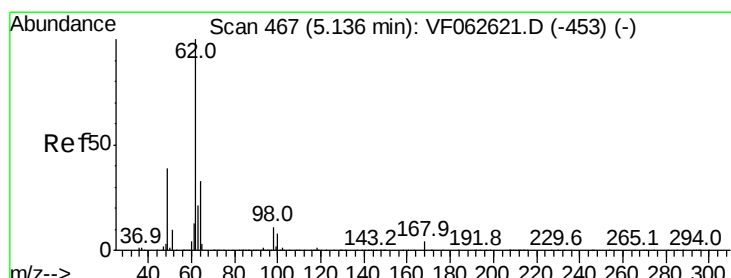
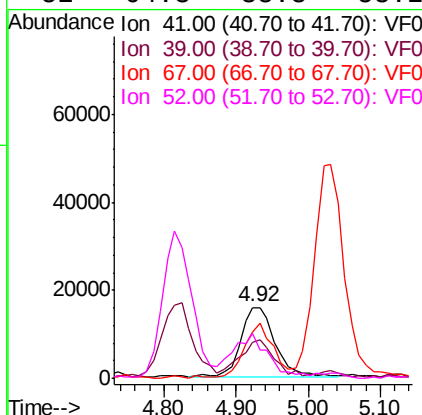
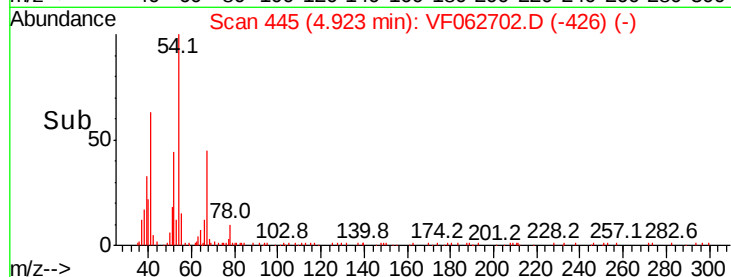
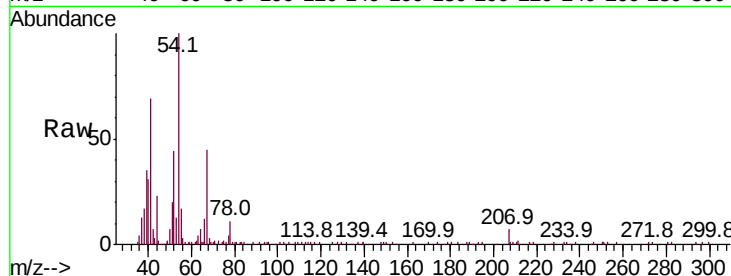
#41
Methacrylonitrile
Concen: 20.462 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.2	63.2
67	65.6	56.4	84.6
52	64.3	38.8	58.2#

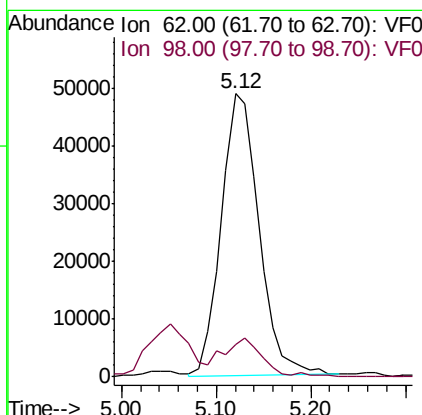
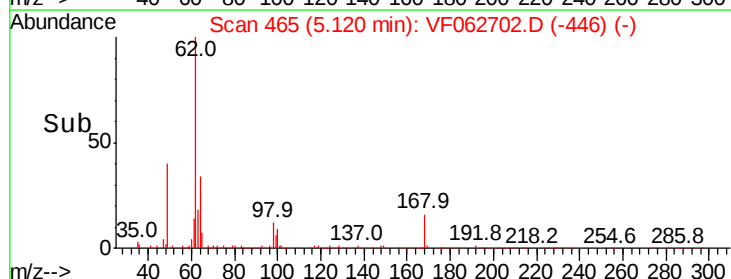
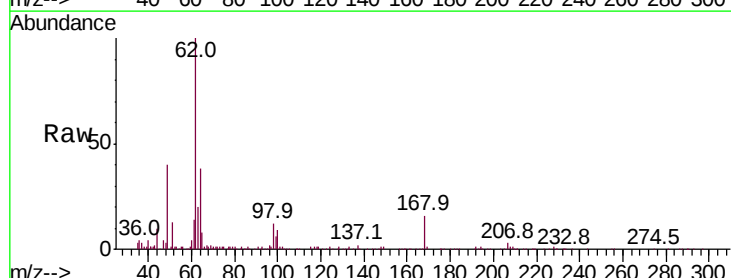
Manual Integrations
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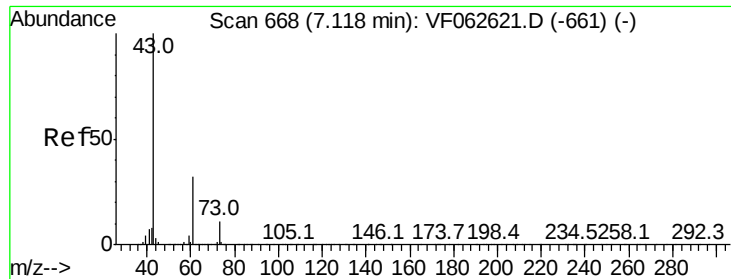
MMDadoda
5/23/2019 12:16:42 PM



#42
1,2-Dichloroethane
Concen: 20.798 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	21.6





#43

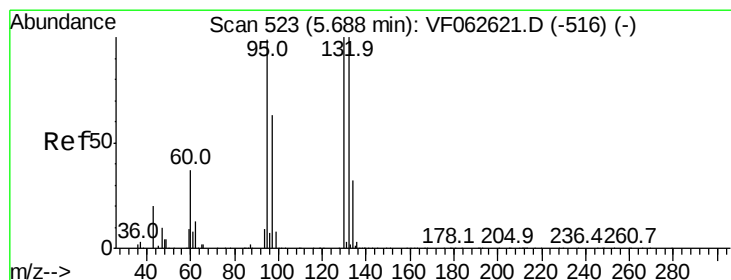
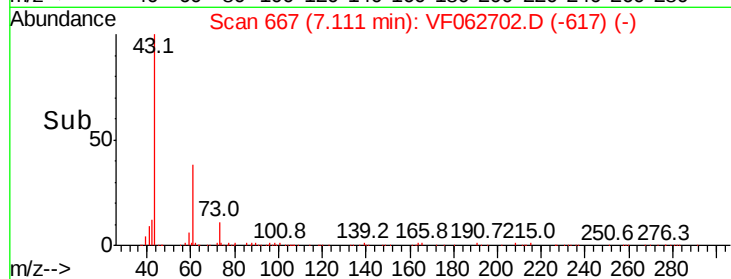
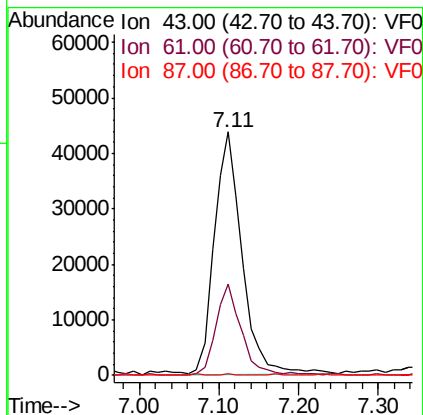
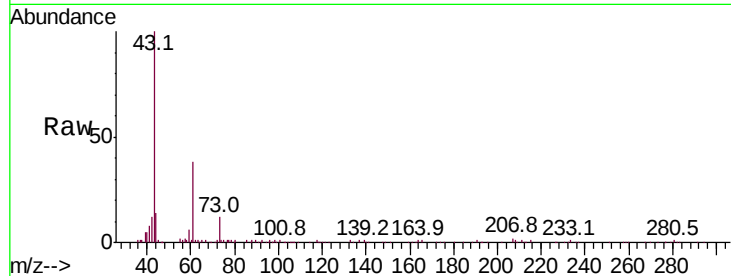
Isopropyl Acetate
 Concen: 16.934 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	25.8	38.8
87	0.5	0.4	0.6

Manual Integrations
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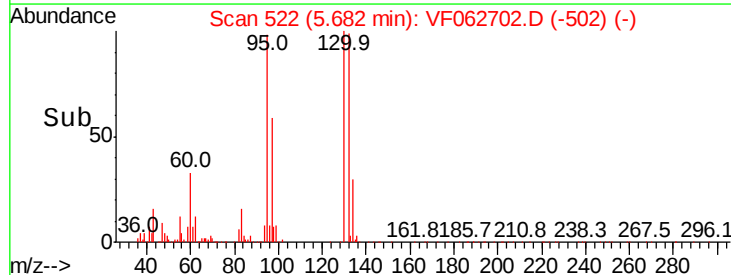
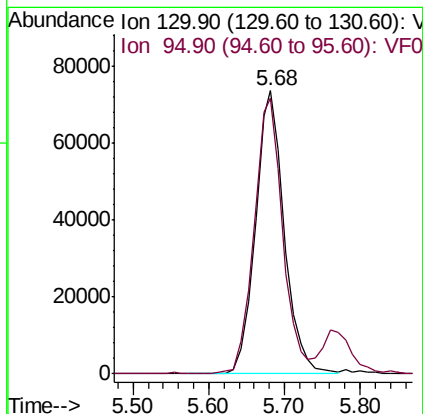
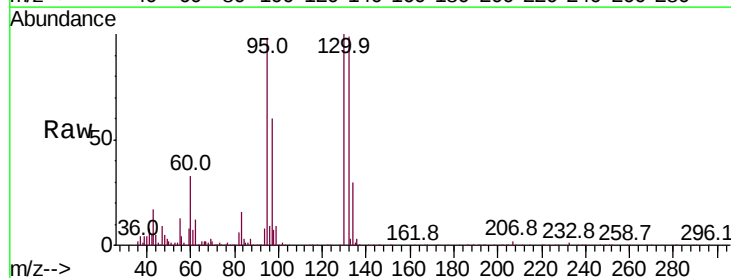
MMDadoda
 5/23/2019 12:16:42 PM

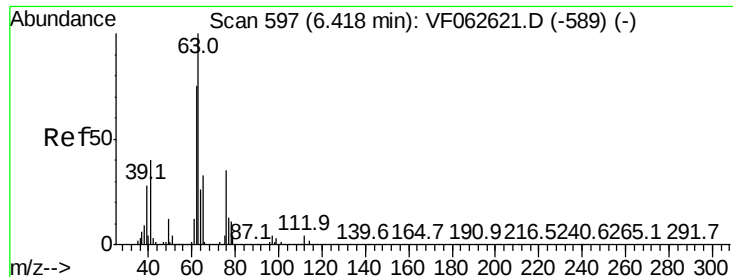


#44

Trichloroethene
 Concen: 21.229 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	199.4





#45

1,2-Dichloropropane

Concen: 20.417 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampled :

VF0522SBS01

Tot Ion: 63 Resp: 167593

Ion Ratio Lower Upper

63 100

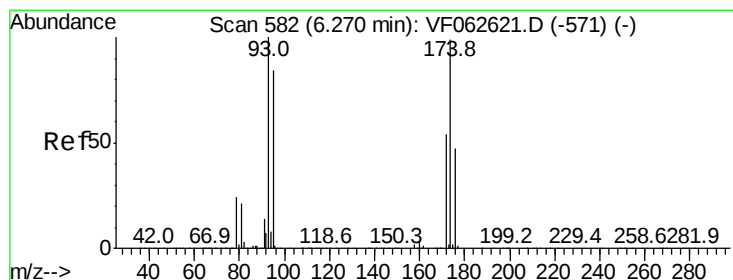
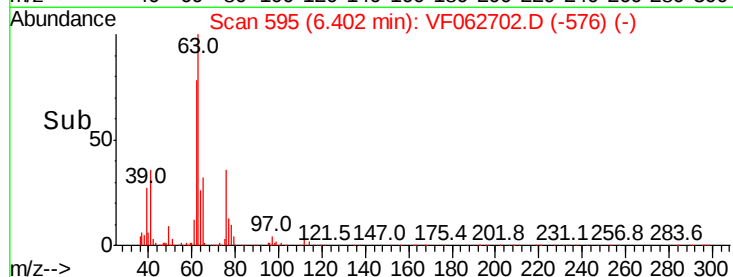
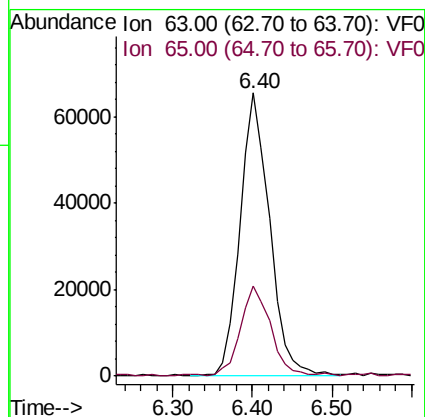
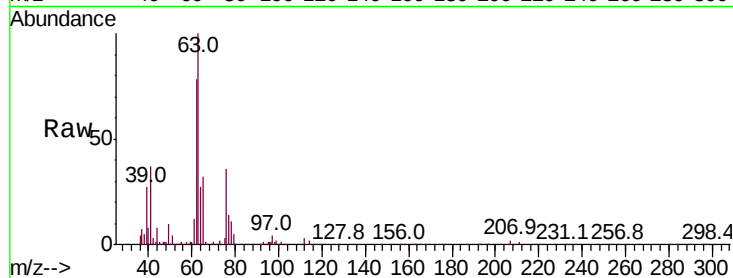
65 32.0 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 21.306 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

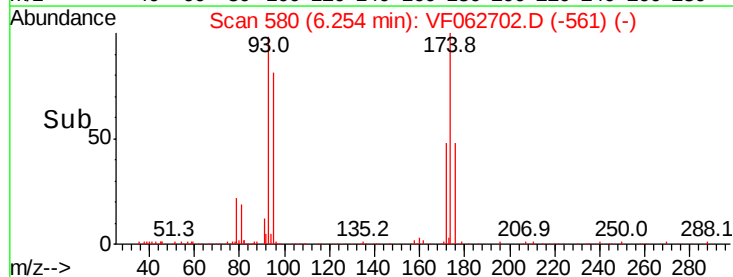
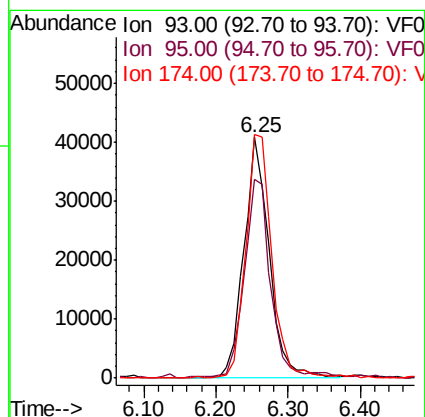
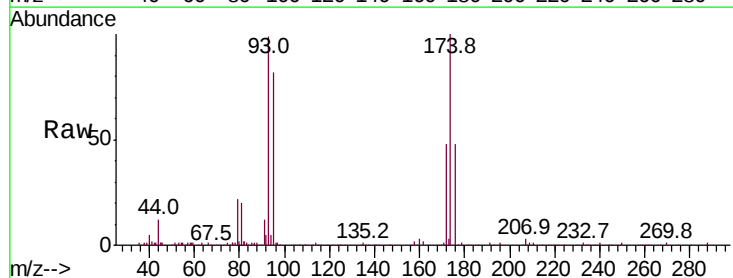
Tgt Ion: 93 Resp: 101075

Ion Ratio Lower Upper

93 100

95 82.7 67.4 101.2

174 101.2 79.4 119.2





#47

Bromodichloromethane

Concen: 21.030 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

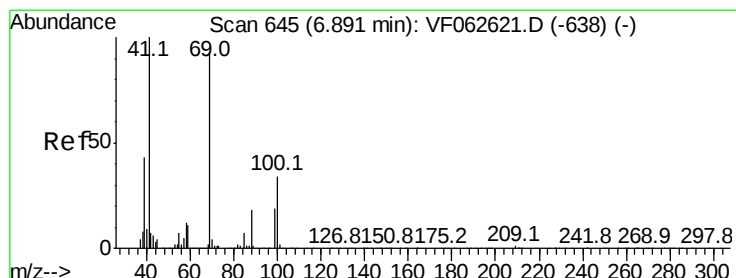
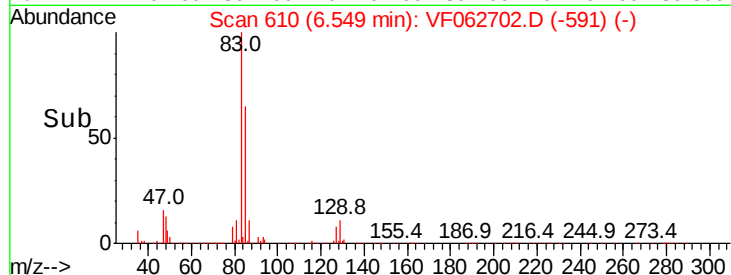
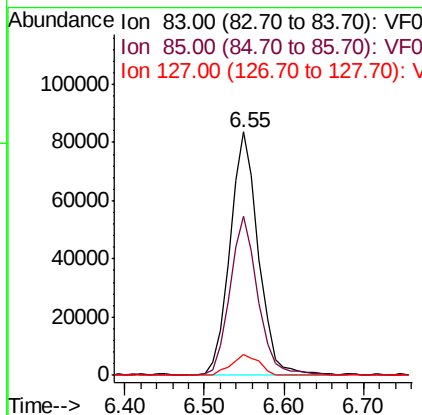
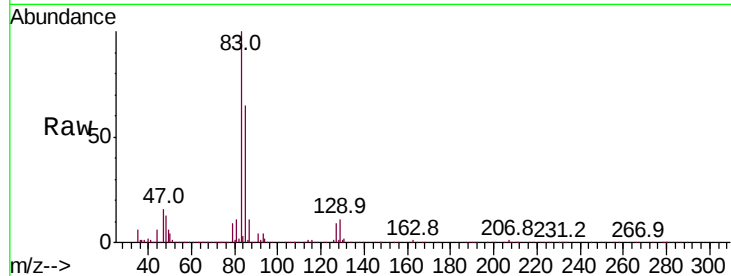
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	207109
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.0	78.0
127	8.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.727 ug/l

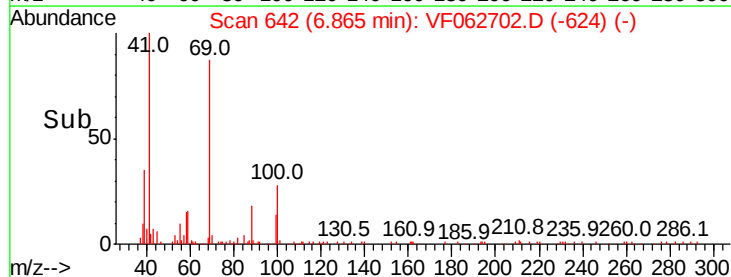
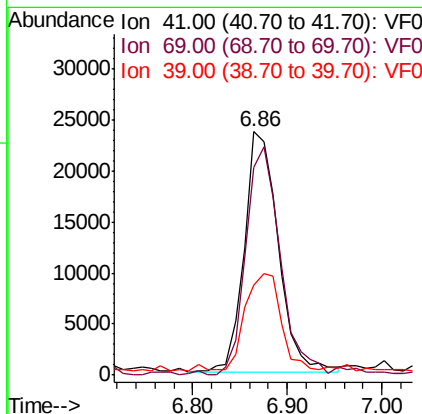
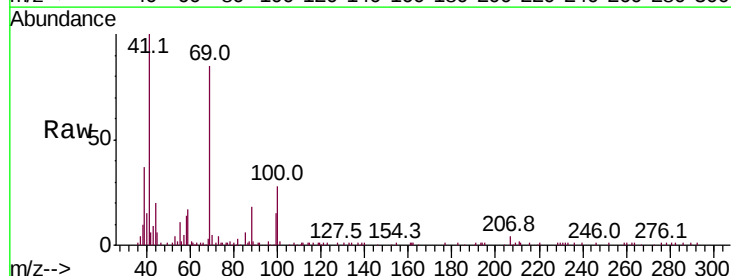
RT: 6.86 min Scan# 642

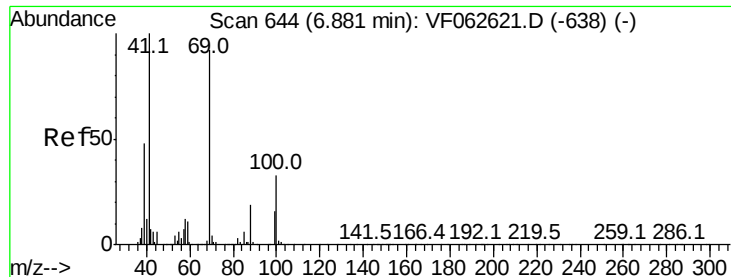
Delta R.T. -0.03 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	41	Resp:	58501
Ion Ratio	Lower	Upper	
41	100		
69	85.5	74.2	111.2
39	36.8	34.2	51.4





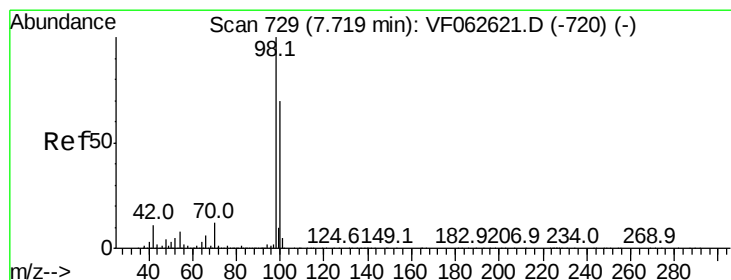
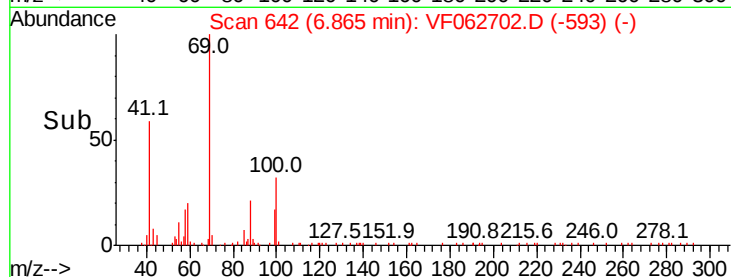
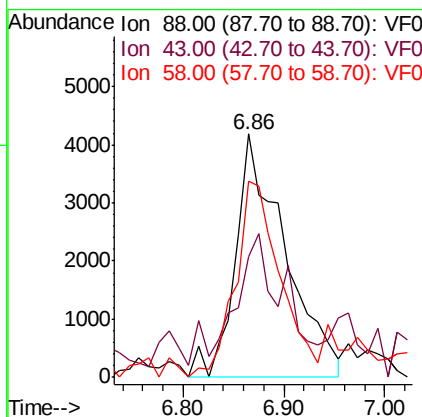
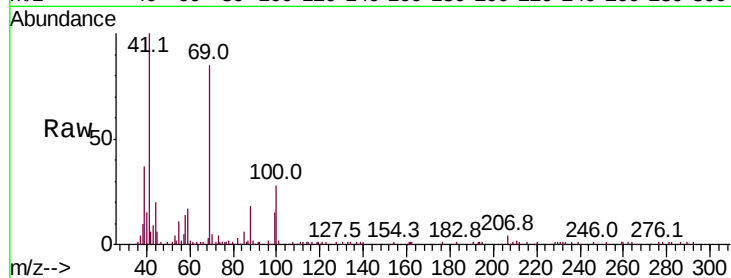
#49
1,4-Dioxane
Concen: 337.825 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.3	30.0	45.0#
58	80.9	51.1	76.7#

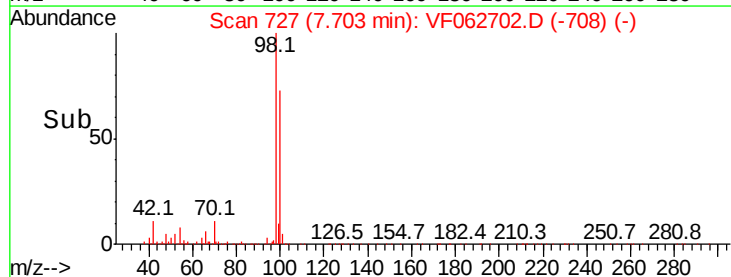
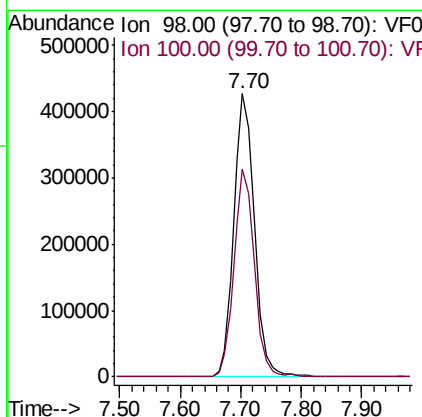
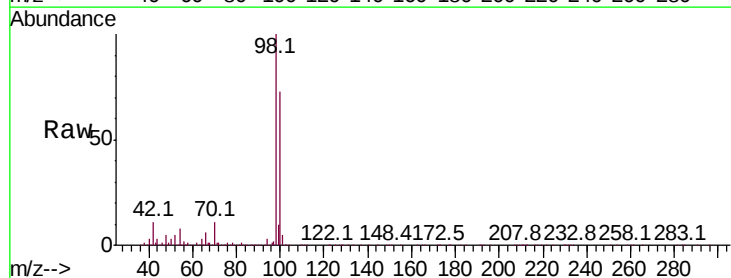
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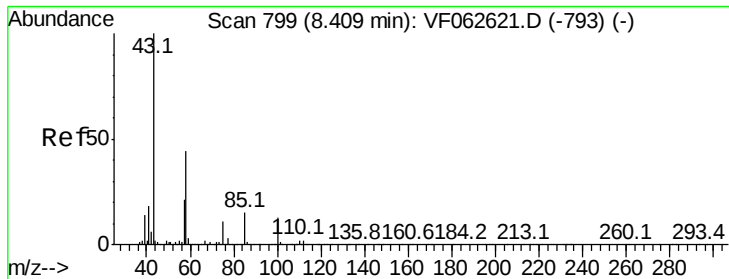
MMDadoda
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#50
Toluene-d8
Concen: 47.745 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 95.542 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 43 Resp: 412332

Ion Ratio Lower Upper

43 100

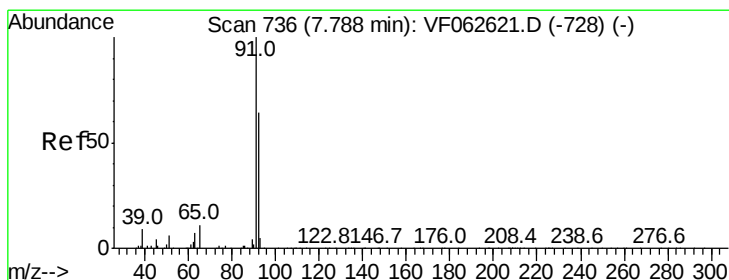
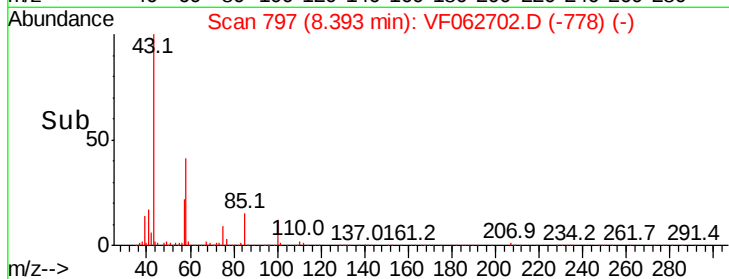
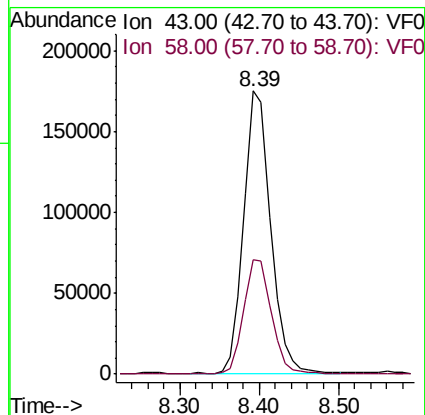
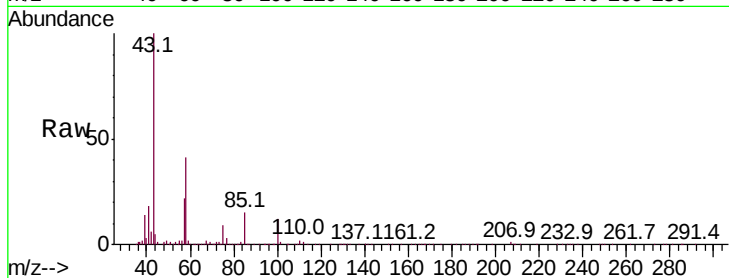
58 40.6 34.9 52.3

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#52

Toluene

Concen: 21.267 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062702.D

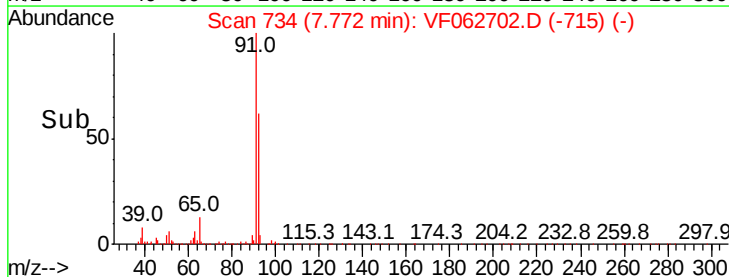
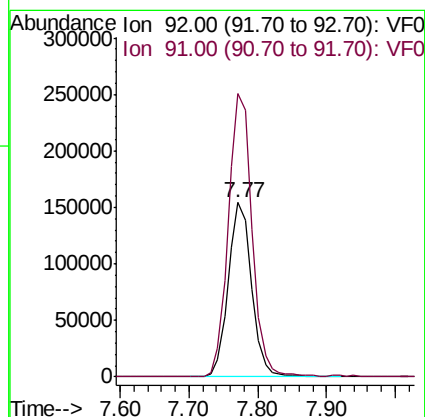
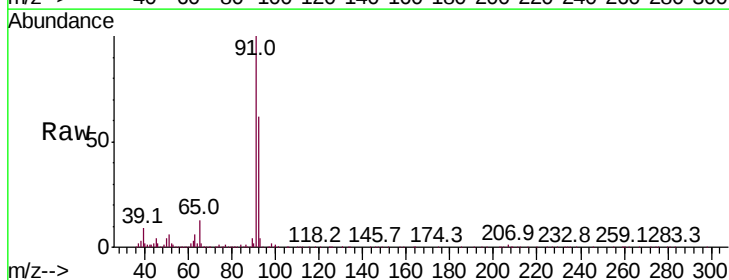
Acq: 22 May 2019 13:34

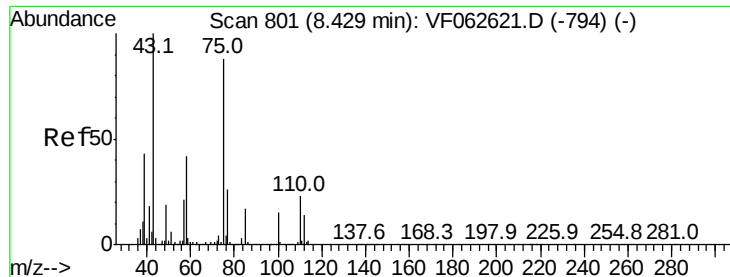
Tgt Ion: 92 Resp: 362666

Ion Ratio Lower Upper

92 100

91 162.5 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 20.121 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion: 75 Resp: 162115

Ion Ratio Lower Upper

75 100

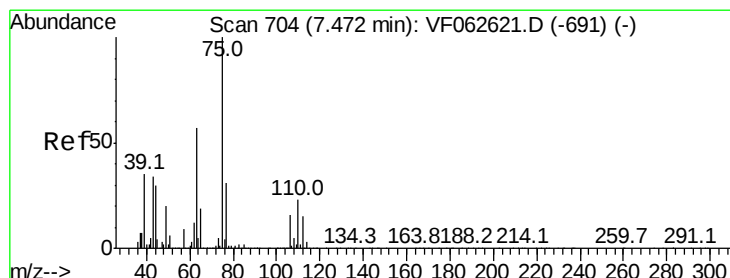
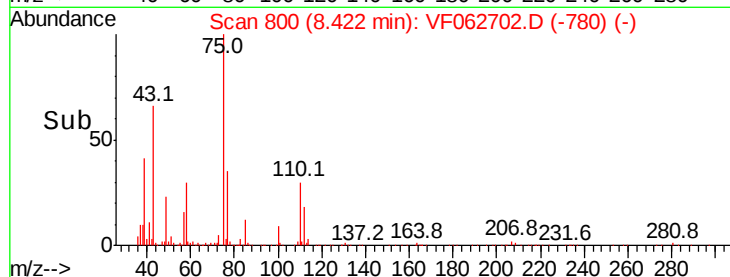
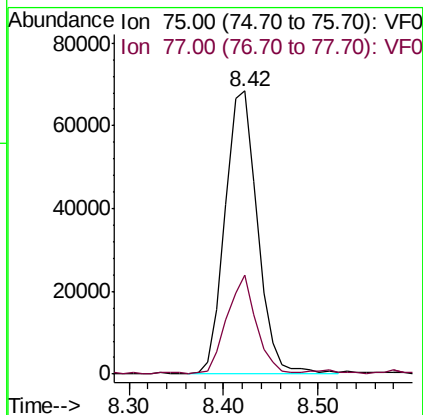
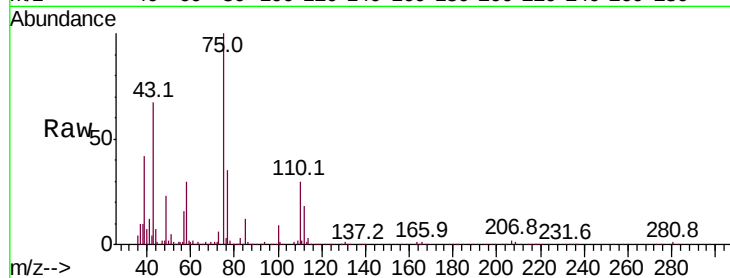
77 34.8 24.2 36.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.682 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

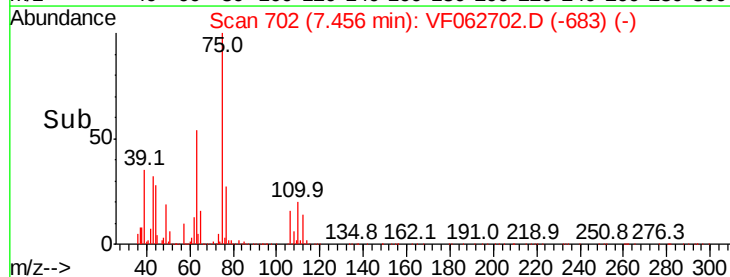
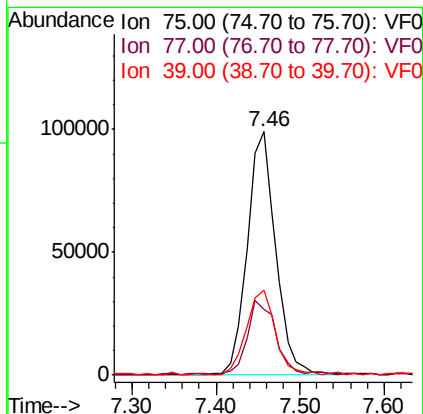
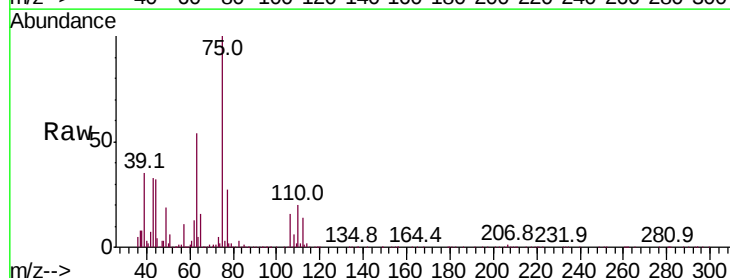
Tgt Ion: 75 Resp: 233263

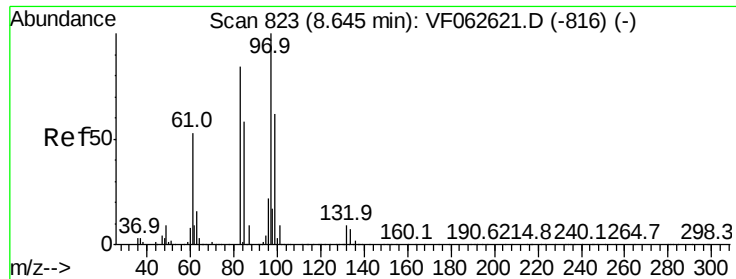
Ion Ratio Lower Upper

75 100

77 26.9 25.3 37.9

39 35.0 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.513 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

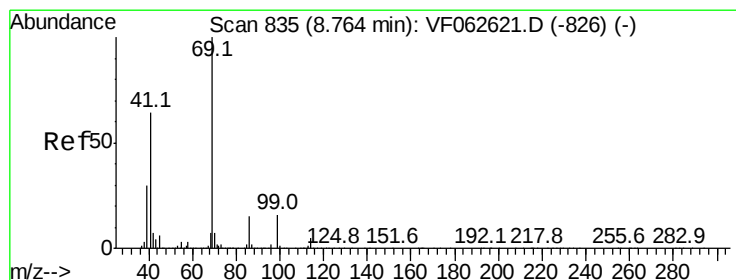
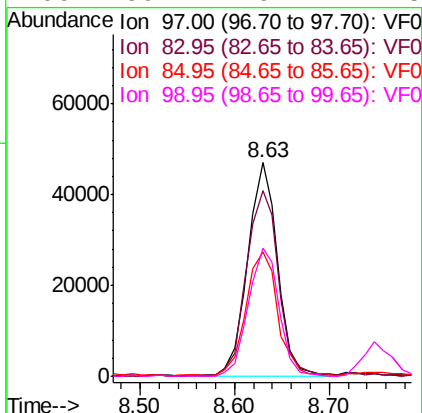
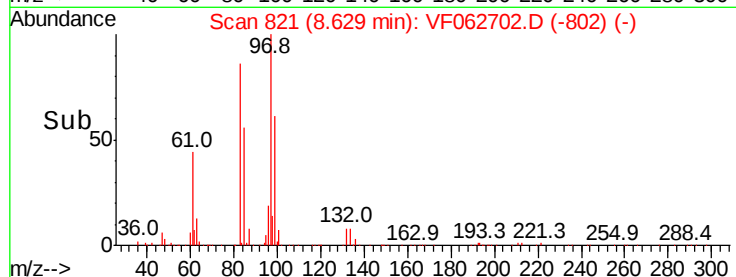
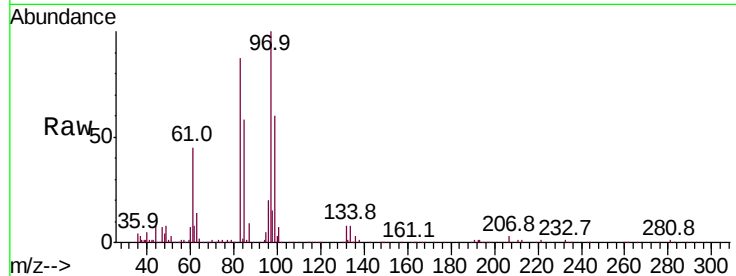
ClientSampleId :

VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	103577		
83	86.6	67.3	100.9	
85	58.2	46.6	69.8	
99	60.2	49.7	74.5	

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#56

Ethyl methacrylate

Concen: 17.174 ug/l

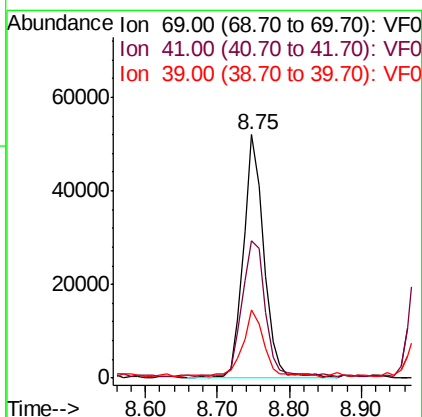
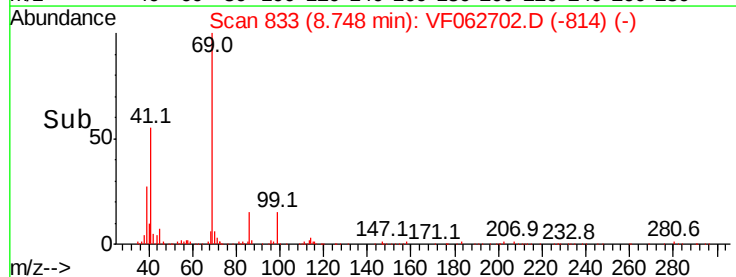
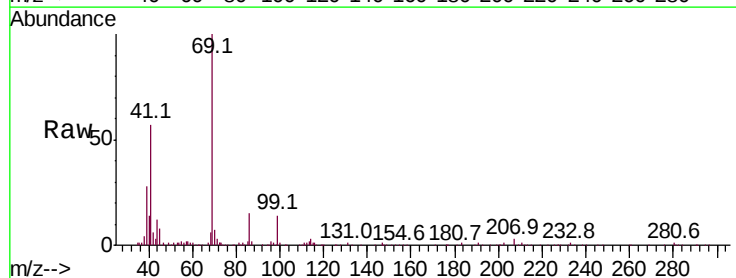
RT: 8.75 min Scan# 833

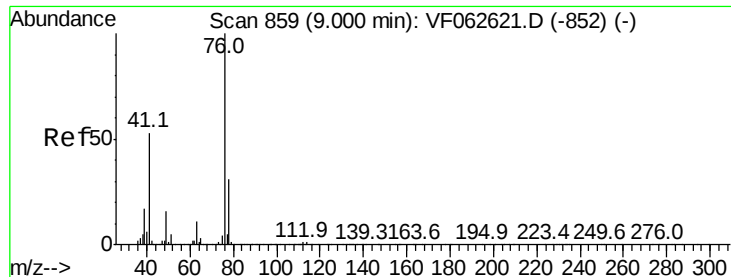
Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	103314		
41	56.6	51.4	77.2	
39	27.8	23.6	35.4	





#57

1,3-Dichloropropane

Concen: 20.054 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062702.D

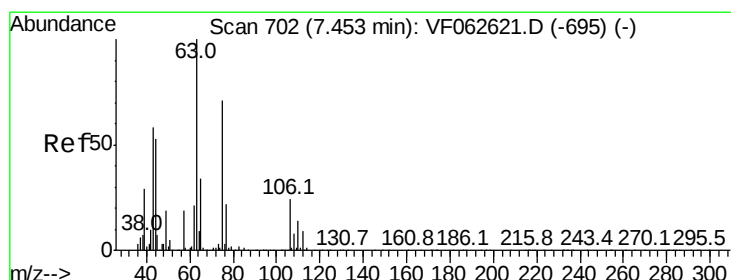
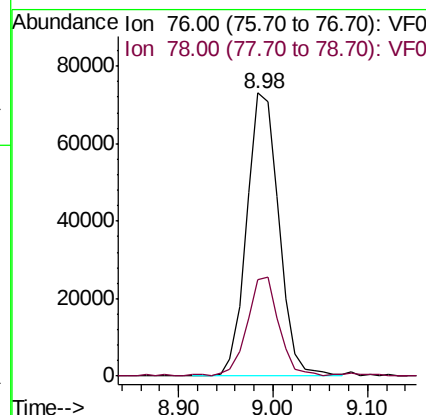
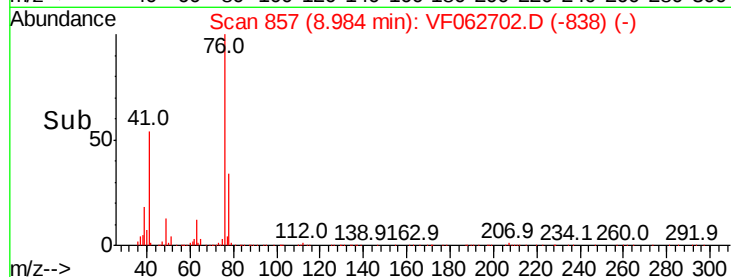
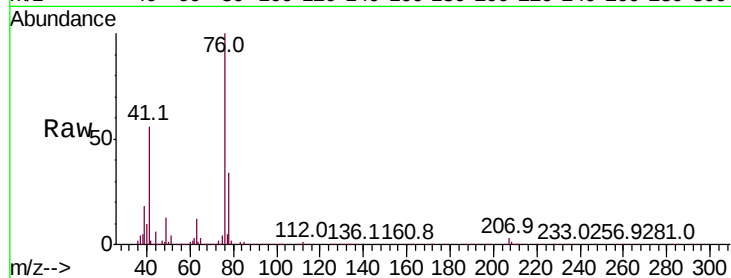
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 88.971 ug/l

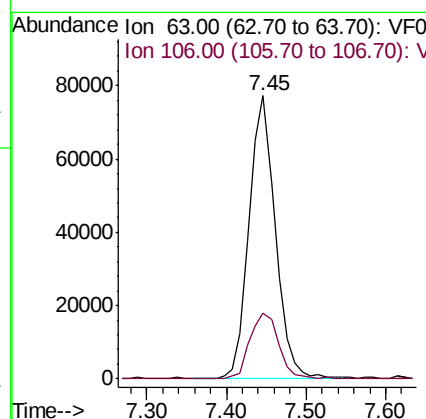
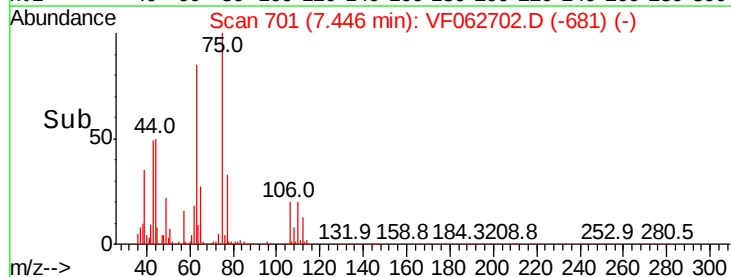
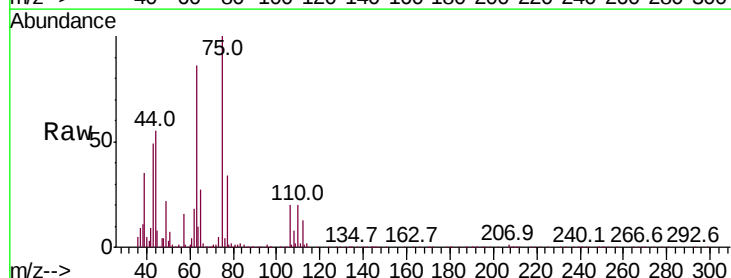
RT: 7.45 min Scan# 701

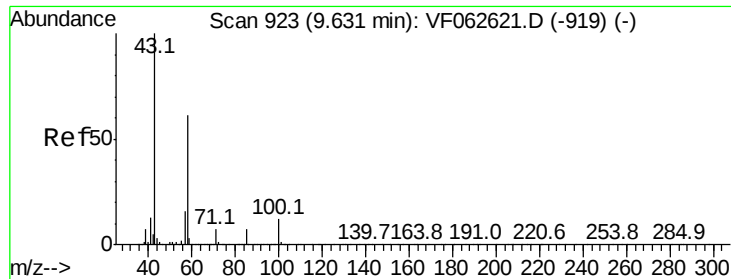
Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.2	19.1	28.7





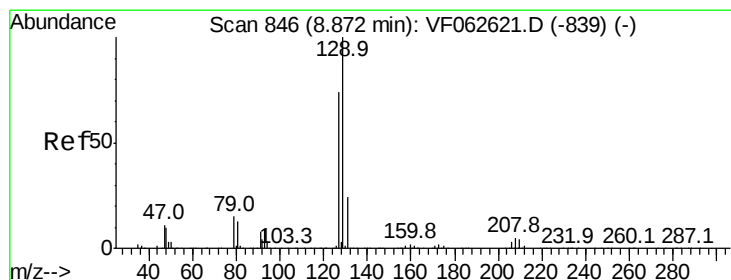
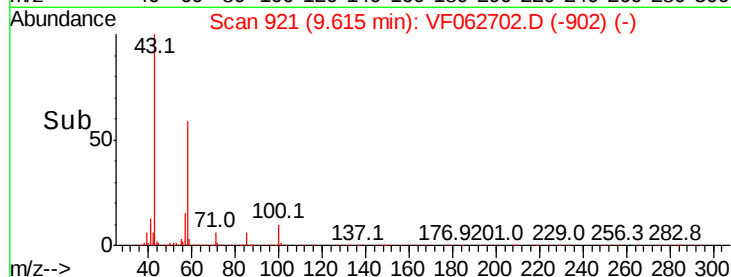
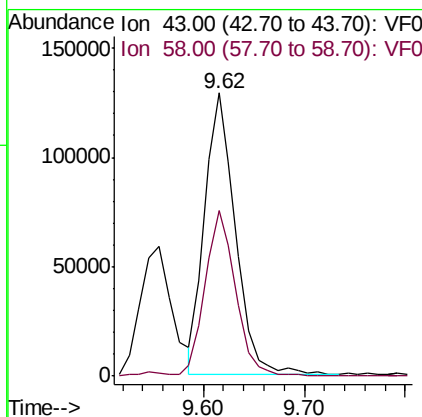
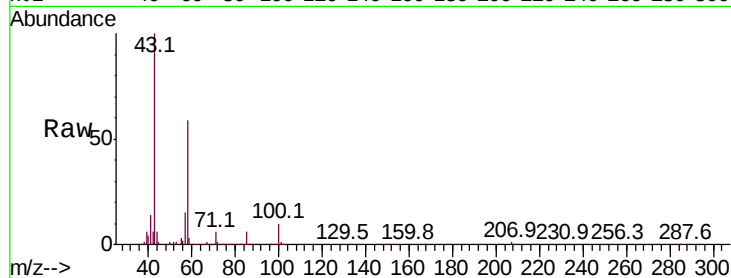
#59
2-Hexanone
Concen: 84.775 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion: 43 Resp: 271114
Ion Ratio Lower Upper
43 100
58 58.6 28.1 84.4

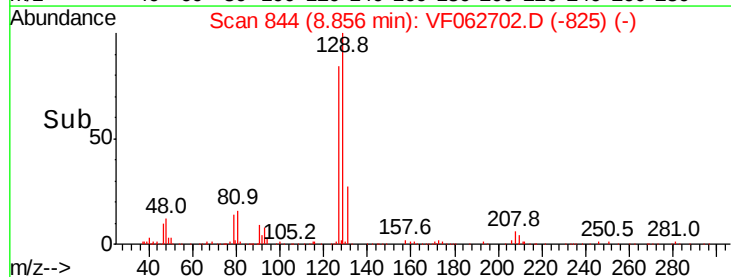
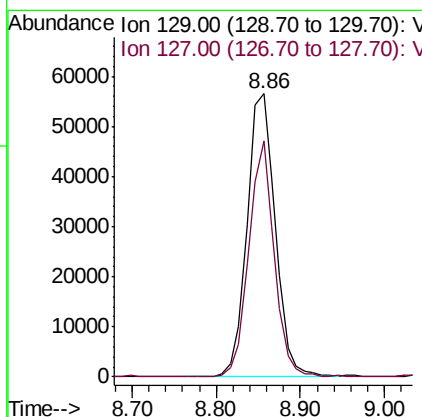
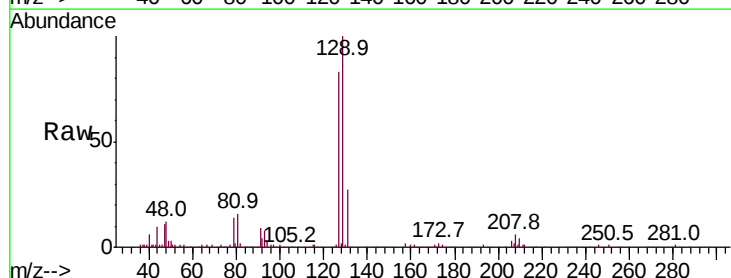
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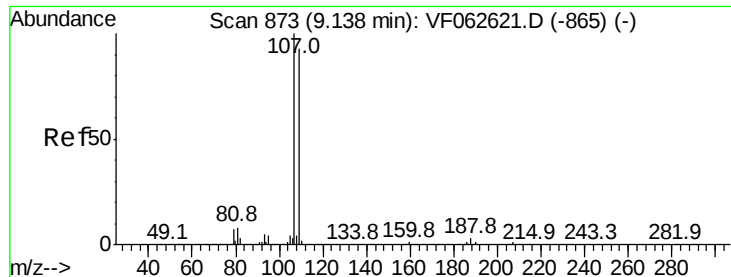
MMDadoda
5/23/2019 12:16:42 PM



#60
Dibromochloromethane
Concen: 20.245 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 129 Resp: 133228
Ion Ratio Lower Upper
129 100
127 83.4 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.349 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion:107 Resp: 109131

Ion Ratio Lower Upper

107 100

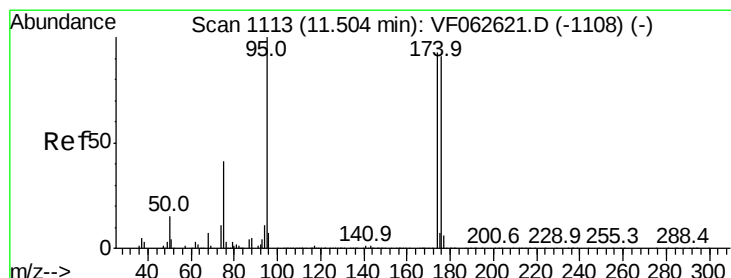
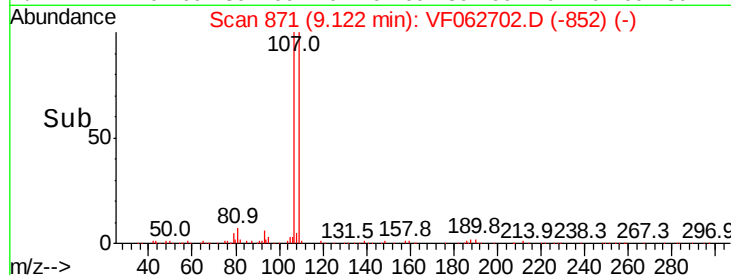
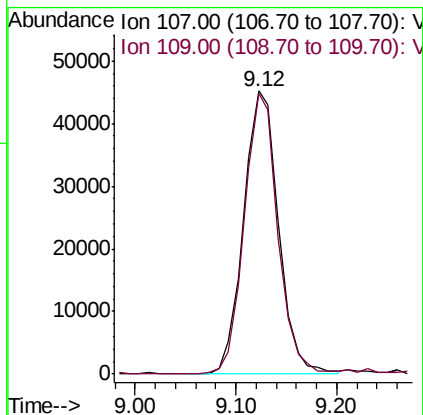
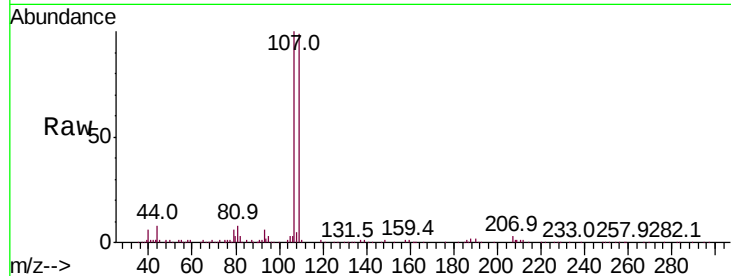
109 99.4 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 44.149 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

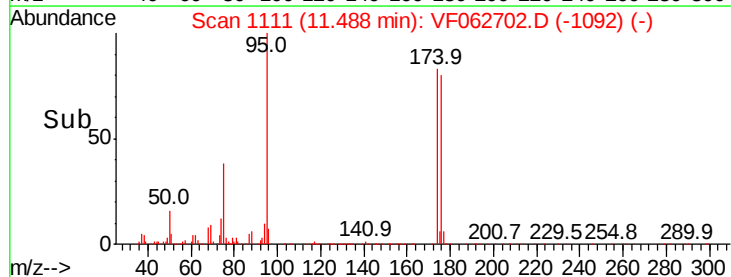
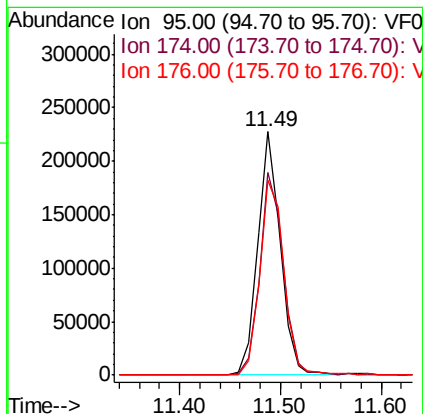
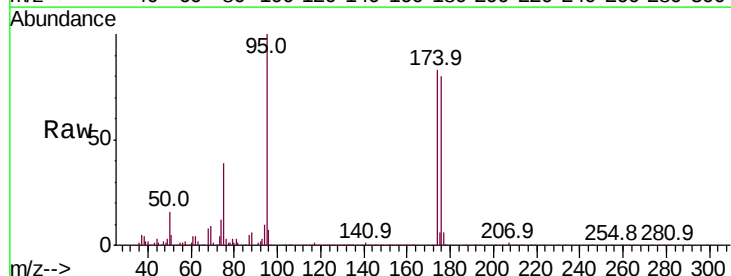
Tgt Ion: 95 Resp: 356350

Ion Ratio Lower Upper

95 100

174 83.2 0.0 185.6

176 80.2 0.0 182.4





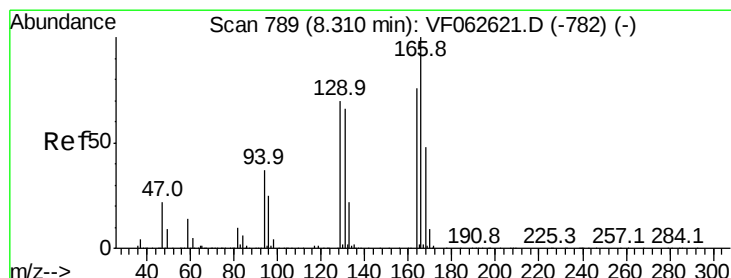
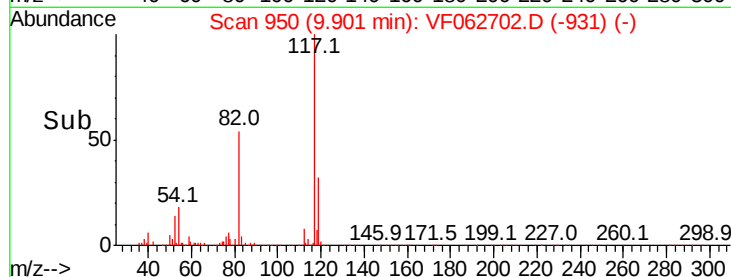
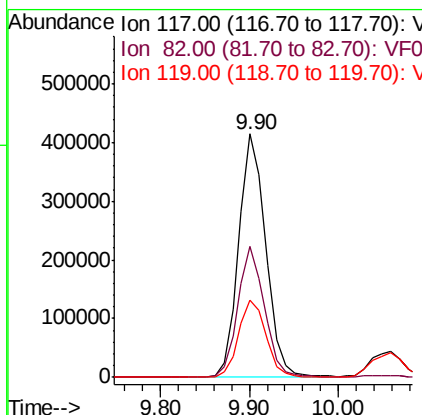
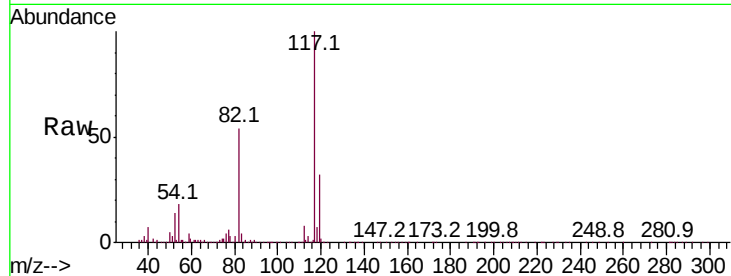
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	879067		
82	54.0		43.3	64.9
119	31.8		27.4	41.0

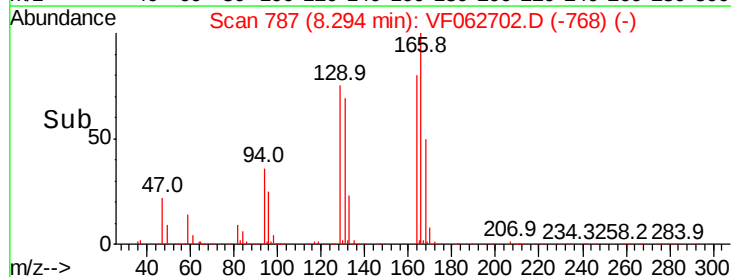
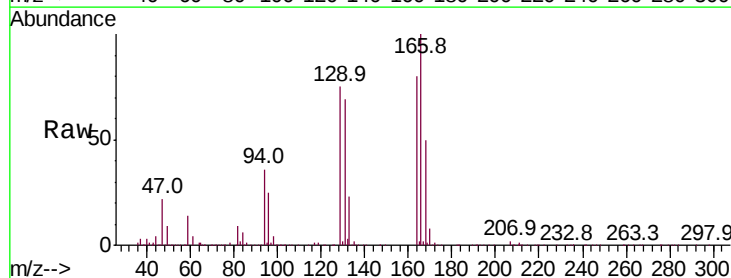
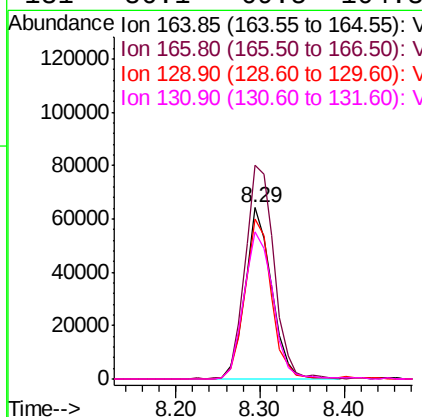
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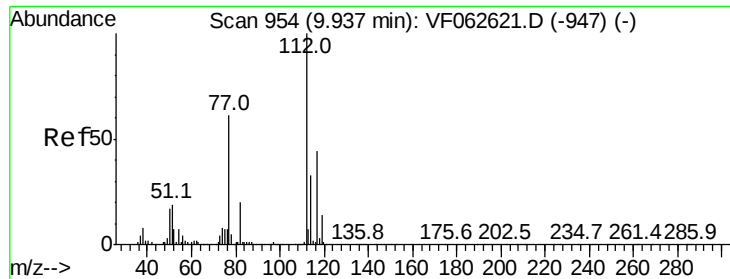
MMDadoda
5/23/2019 12:16:42 PM



#64
Tetrachloroethene
Concen: 20.393 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142018		
166	124.5		105.5	158.3
129	93.3		73.8	110.6
131	86.1		69.5	104.3





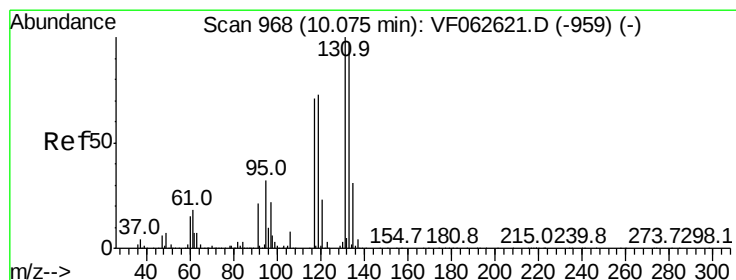
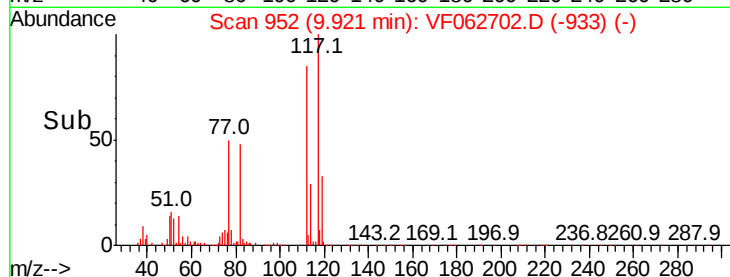
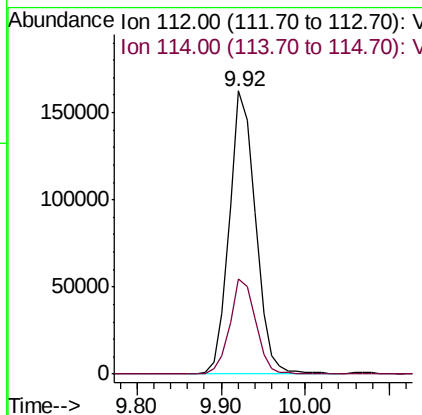
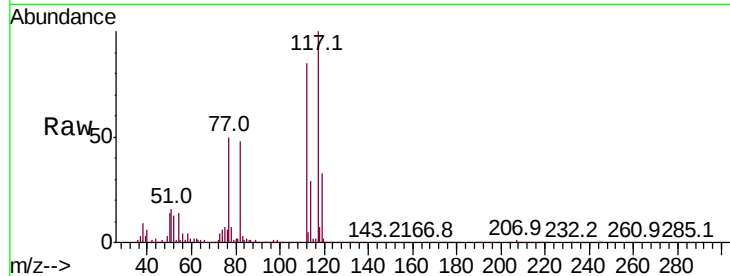
#65
Chlorobenzene
Concen: 20.476 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.8	40.2

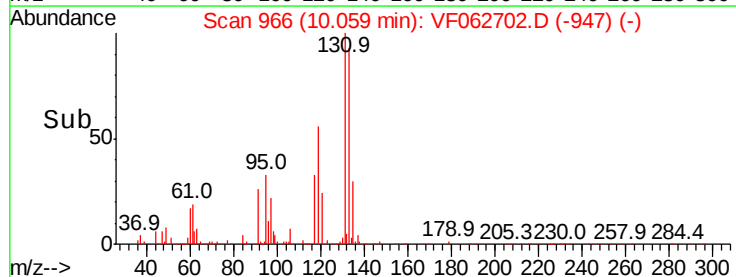
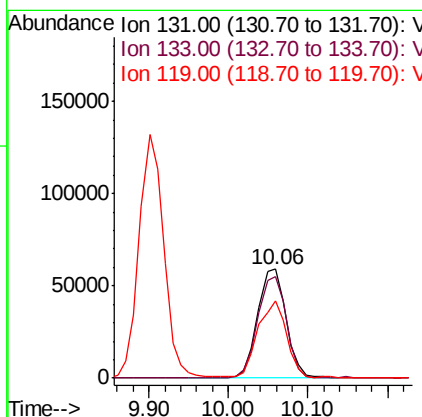
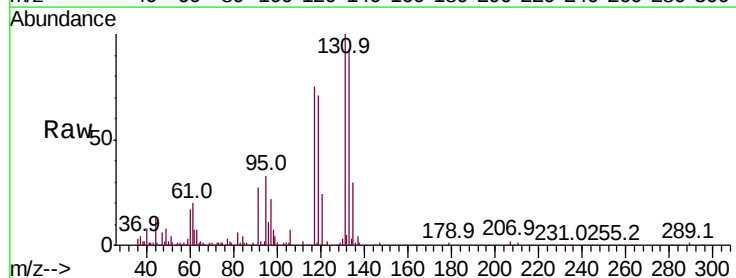
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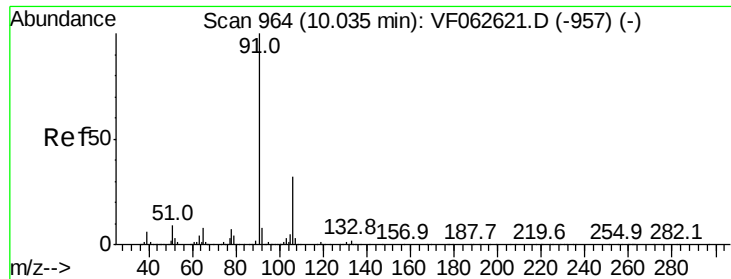
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.073 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.5	145.5
119	71.3	36.8	110.4





#67

Ethyl Benzene

Concen: 20.127 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion: 91 Resp: 603707

Ion Ratio Lower Upper

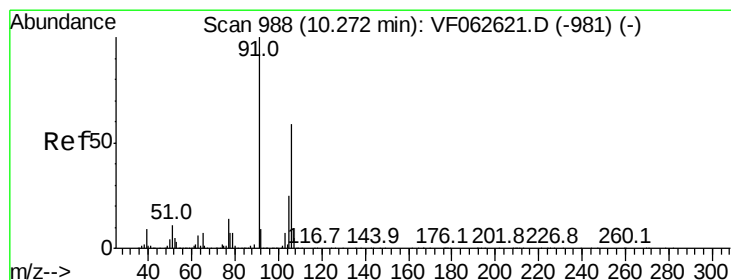
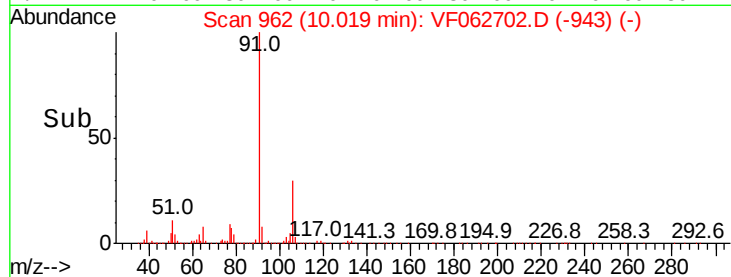
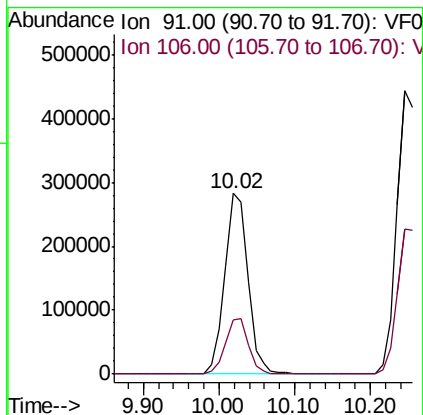
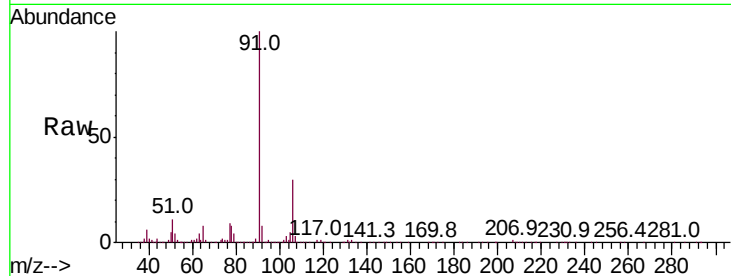
91 100

106 29.9 25.8 38.8

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#68

m/p-Xylenes

Concen: 43.224 ug/l

RT: 10.25 min Scan# 985

Delta R.T. -0.03 min

Lab File: VF062702.D

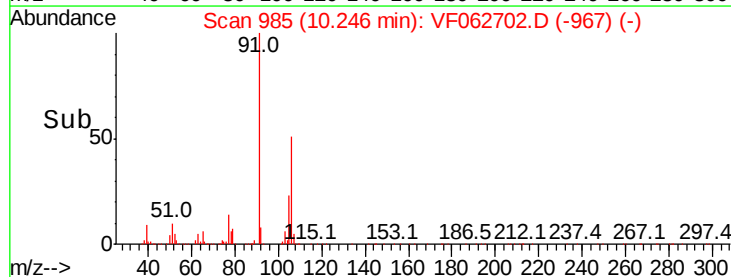
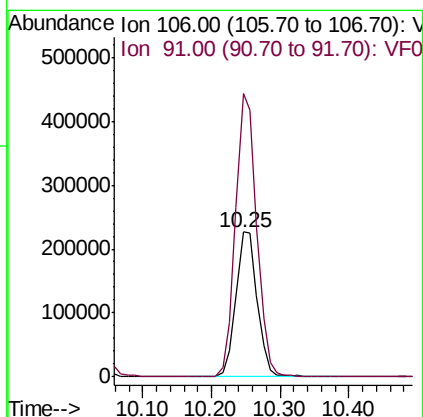
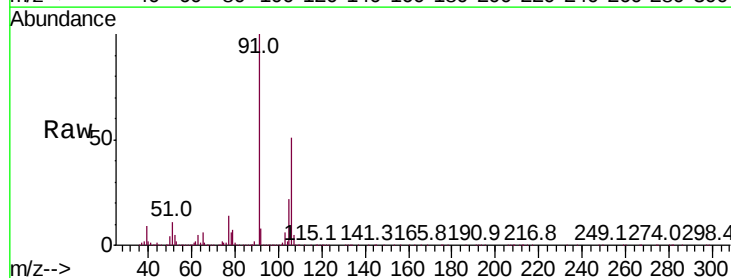
Acq: 22 May 2019 13:34

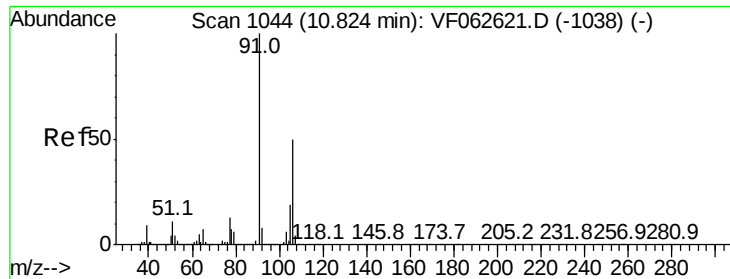
Tgt Ion: 106 Resp: 487269

Ion Ratio Lower Upper

106 100

91 195.5 136.9 205.3





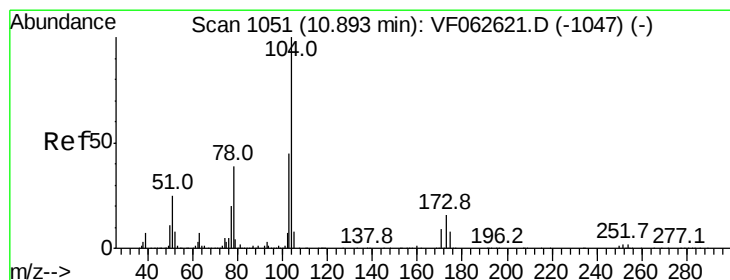
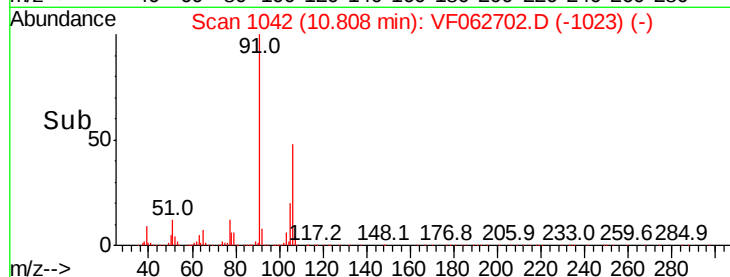
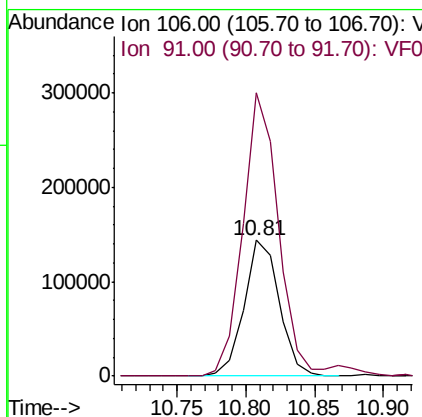
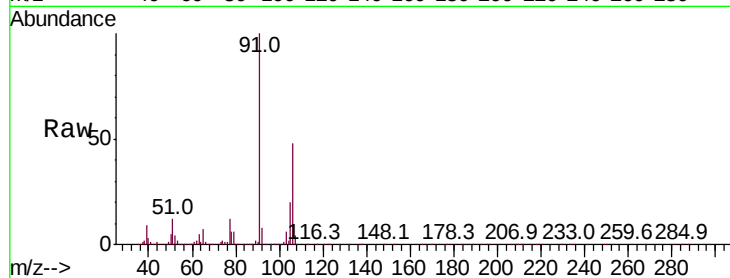
#69
o-Xylene
Concen: 22.179 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	100.2	300.5

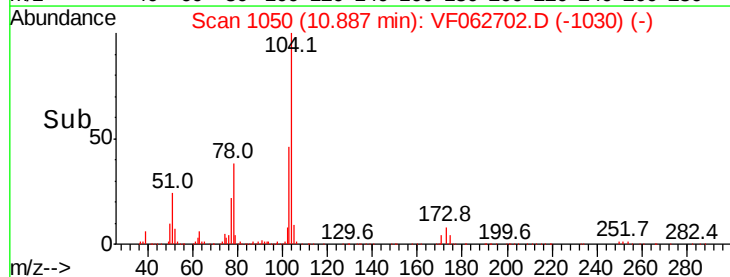
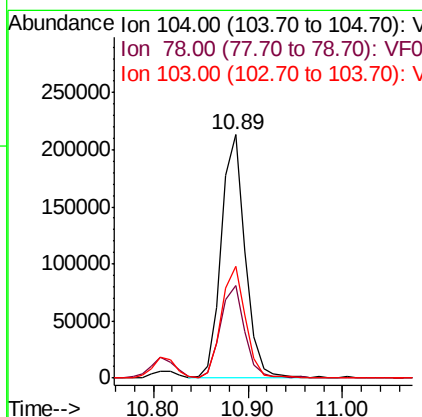
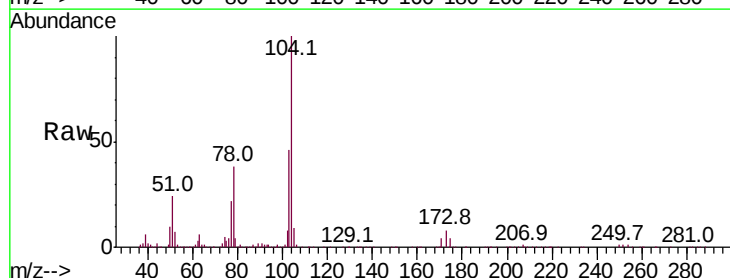
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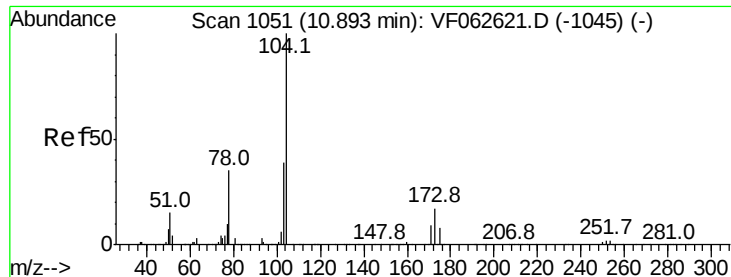
MMDadoda
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#70
Styrene
Concen: 21.006 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.1	31.9	47.9
103	45.9	36.1	54.1





#71

Bromoform

Concen: 21.132 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

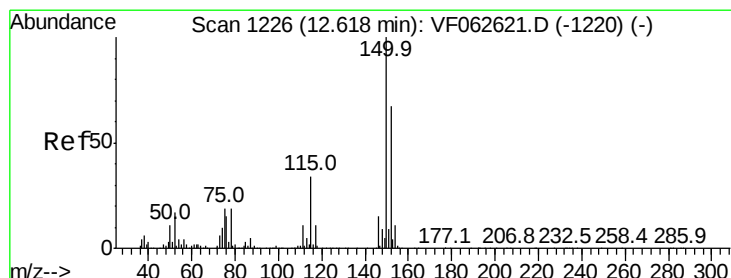
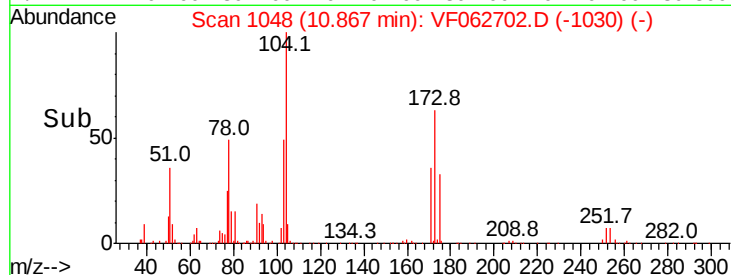
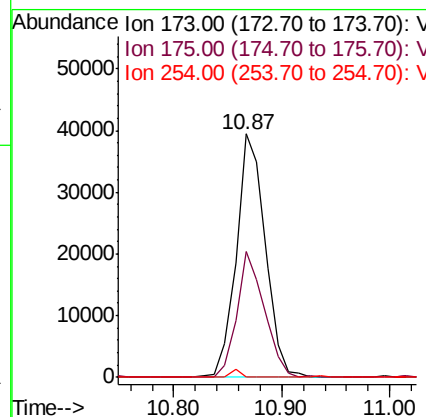
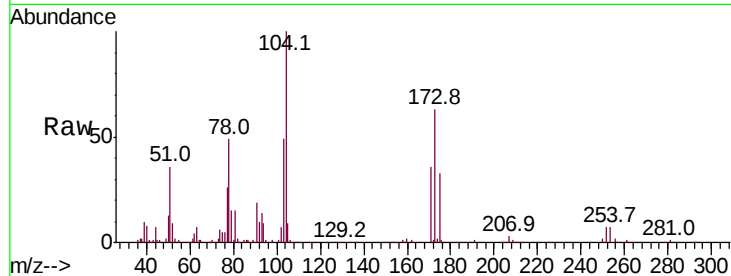
ClientSampleId :

VF0522SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.7	25.3	75.9
254	0.0	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

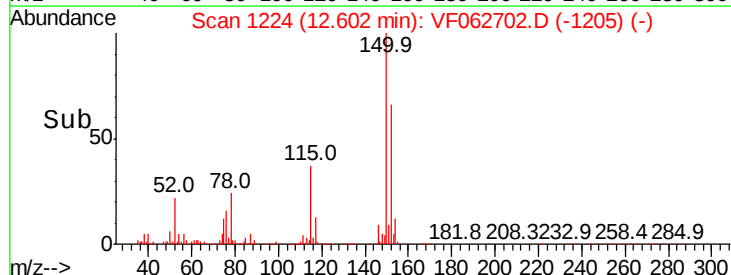
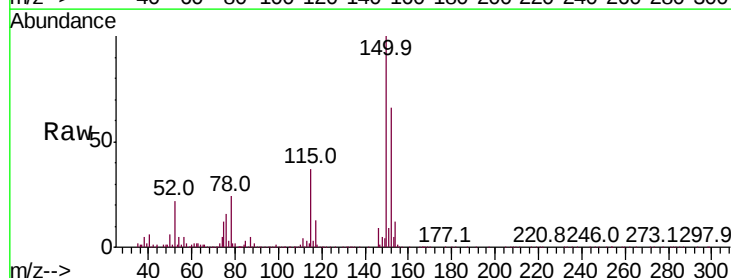
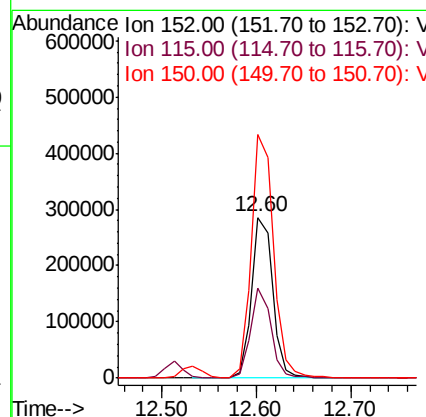
RT: 12.60 min Scan# 1224

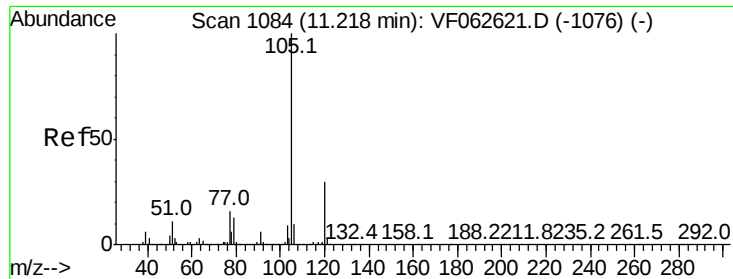
Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	25.2	75.6
150	151.5	0.0	306.2





#73

Isopropylbenzene

Concen: 22.184 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion:105 Resp: 708046

Ion Ratio Lower Upper

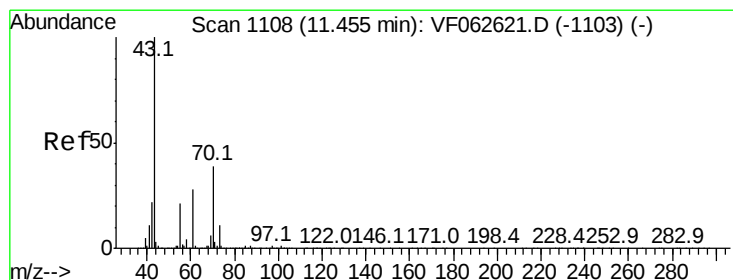
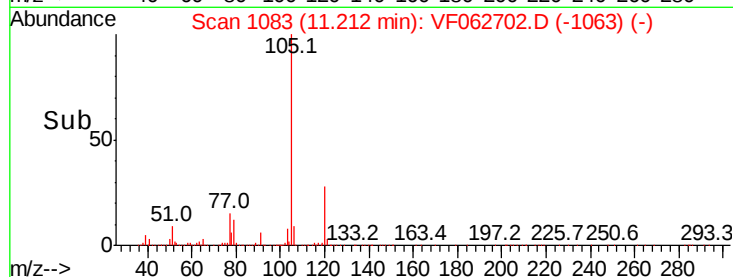
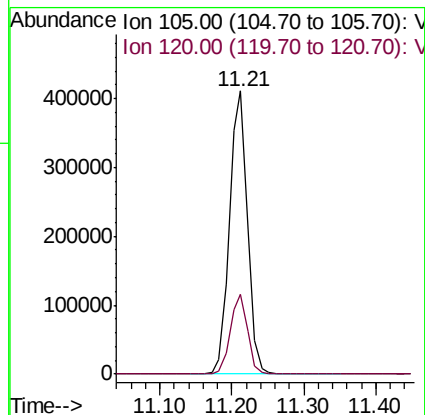
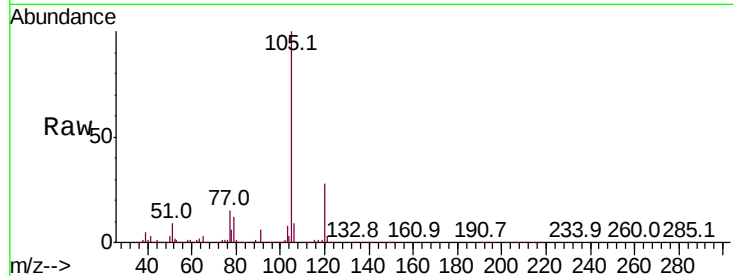
105 100

120 28.1 14.8 44.4

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#74

N-ethyl acetate

Concen: 16.142 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion: 43 Resp: 160763

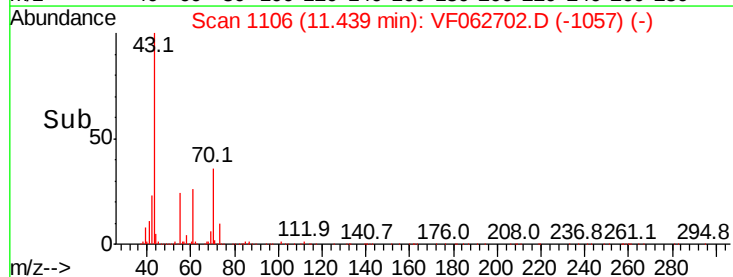
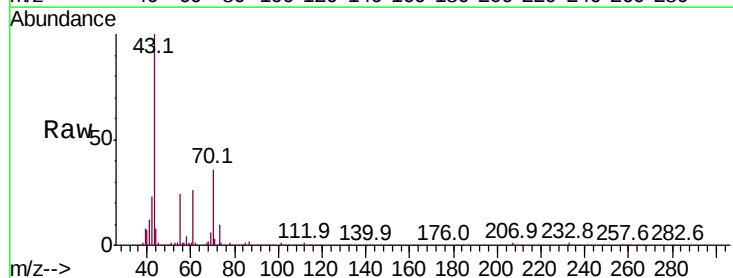
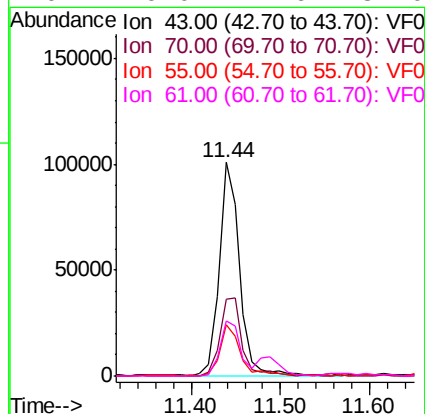
Ion Ratio Lower Upper

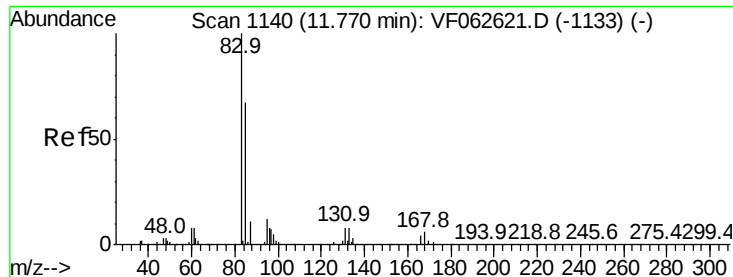
43 100

70 36.2 30.9 46.3

55 24.1 17.0 25.4

61 26.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.317 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

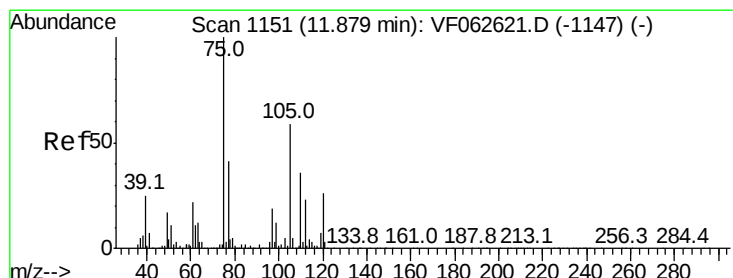
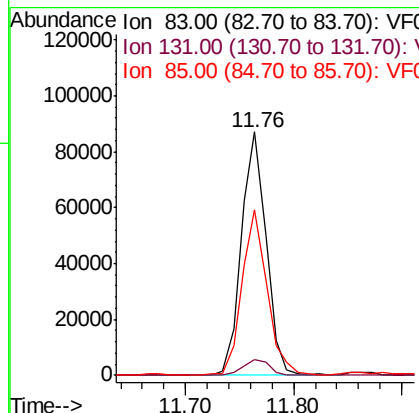
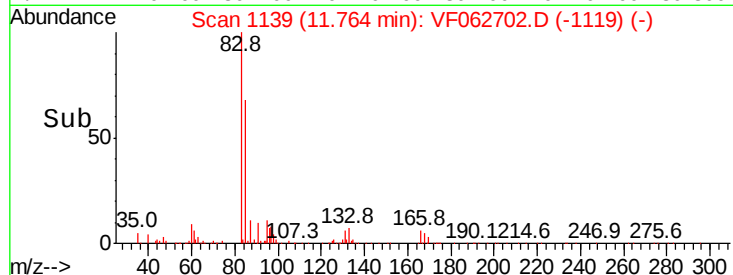
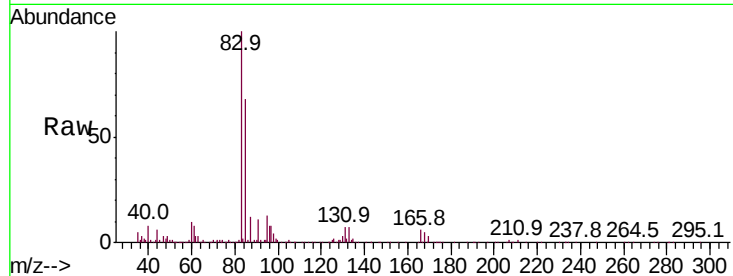
ClientSampleId :

VF0522SBS01

Tot Ion:	83	Resp:	139042
Ion Ratio	Lower	Upper	
83	100		
131	6.7	4.0	12.0
85	68.2	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 20.433 ug/l

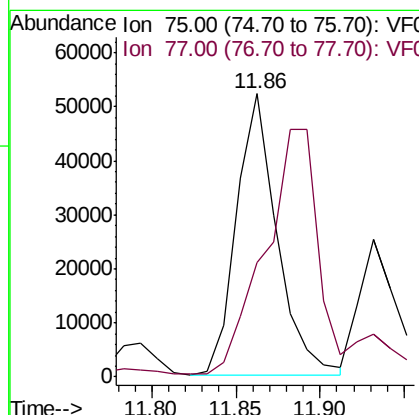
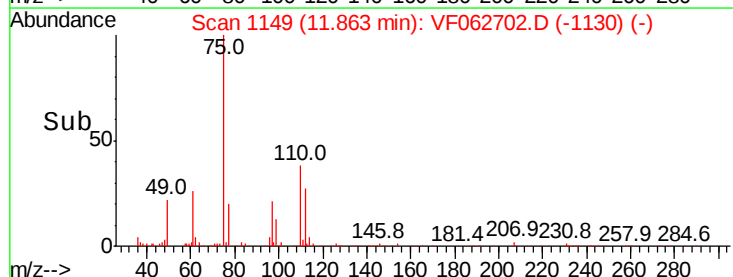
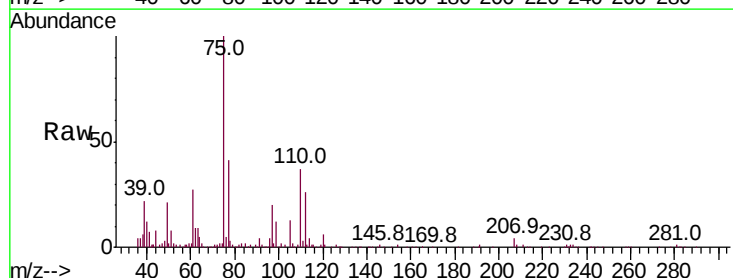
RT: 11.86 min Scan# 1149

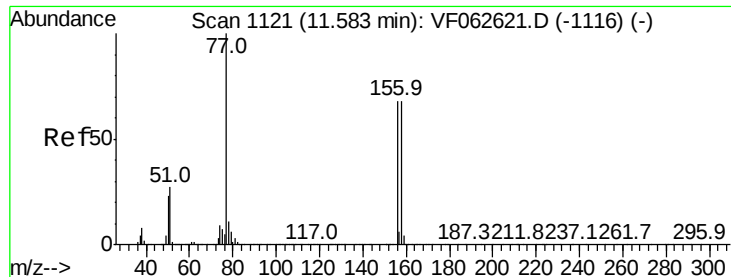
Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	75	Resp:	87572
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.6	61.8





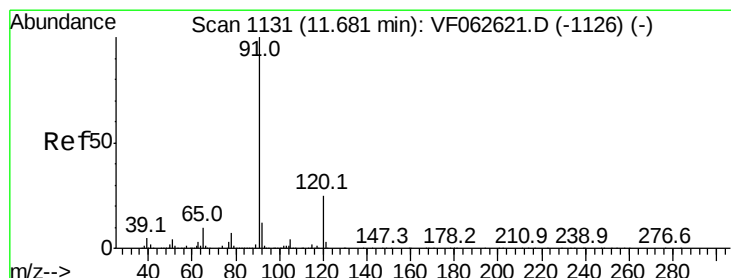
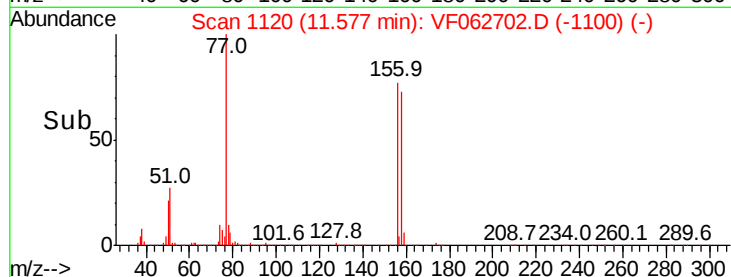
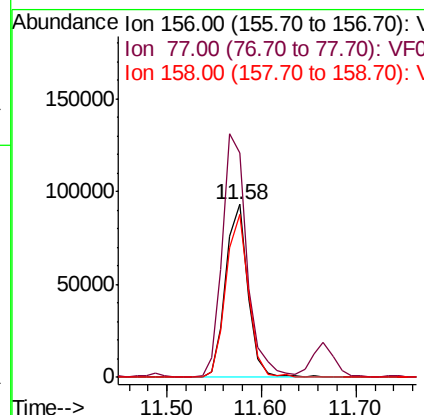
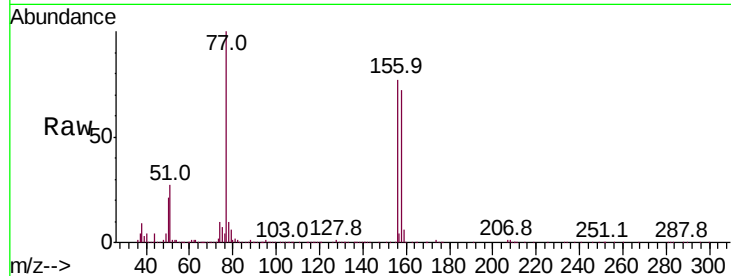
#77
Bromobenzene
Concen: 19.279 ug/l
RT: 11.58 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	152949		
77	130.1	73.6	220.8	
158	94.1	49.6	148.8	

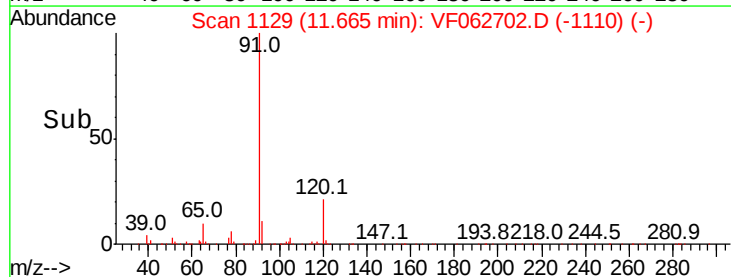
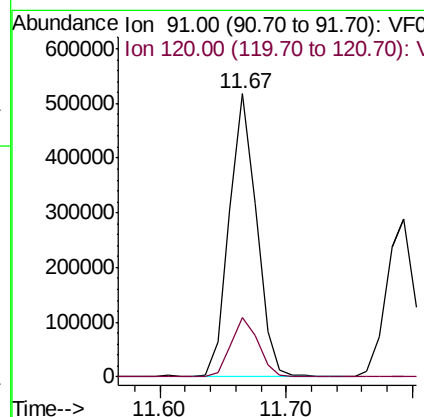
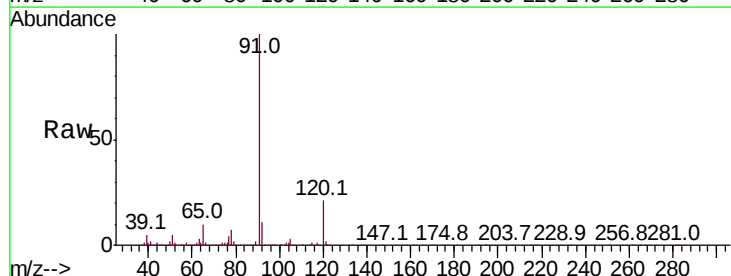
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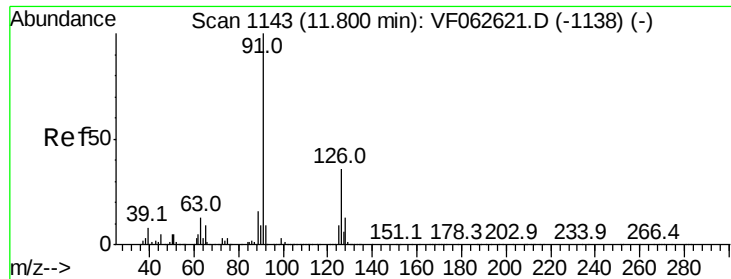
MMDadoda
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#78
n-propylbenzene
Concen: 20.486 ug/l
RT: 11.67 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	773836		
120	21.1	12.7	38.1	





#79

2-Chlorotoluene

Concen: 20.989 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion: 91 Resp: 446804

Ion Ratio Lower Upper

91 100

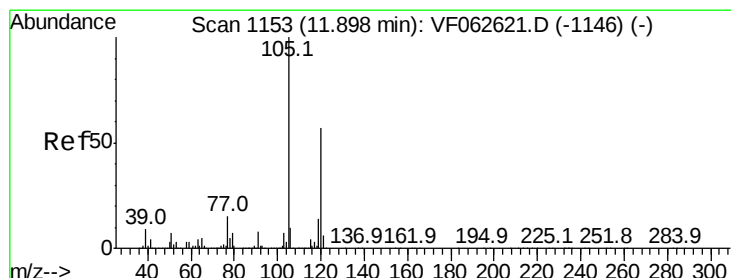
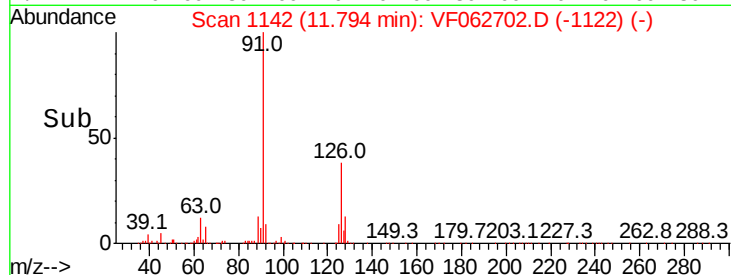
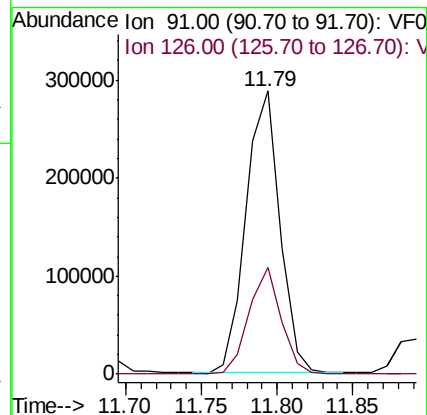
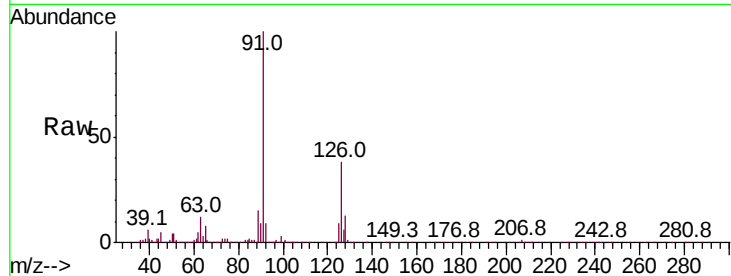
126 37.6 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 22.062 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062702.D

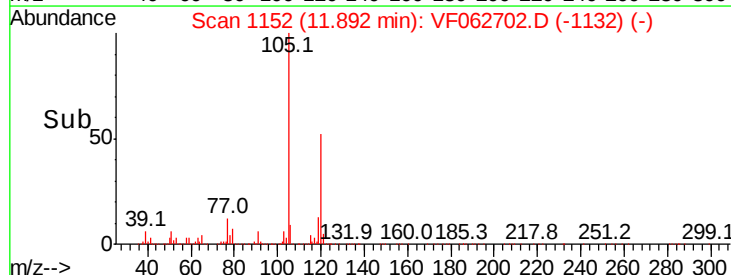
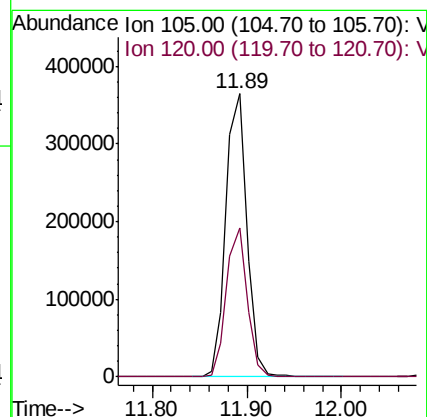
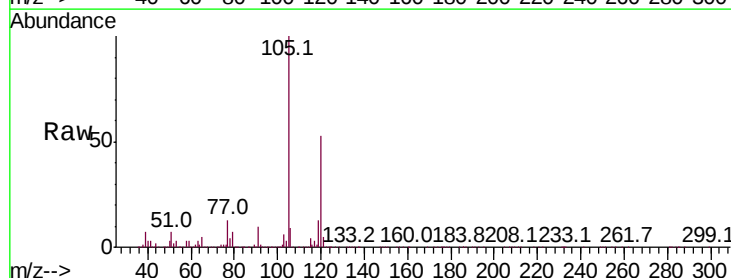
Acq: 22 May 2019 13:34

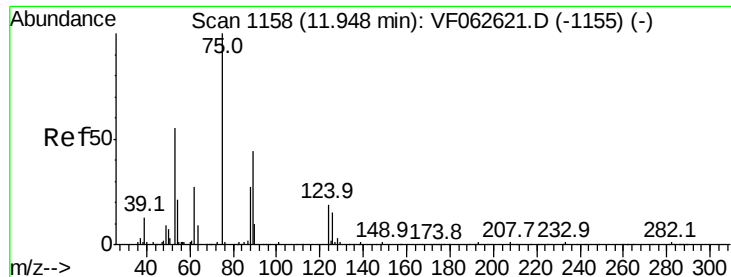
Tgt Ion: 105 Resp: 564618

Ion Ratio Lower Upper

105 100

120 52.6 28.7 86.3





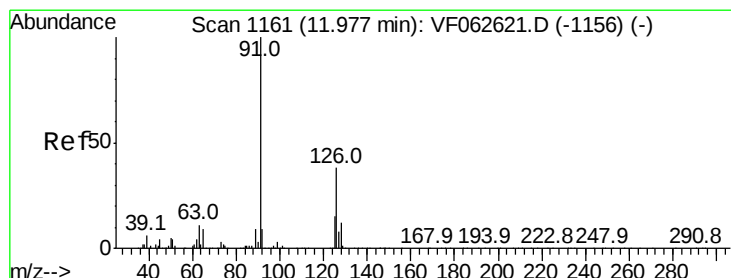
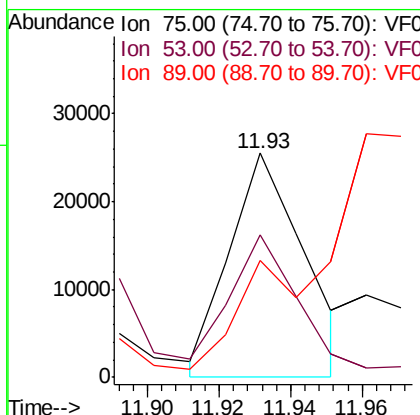
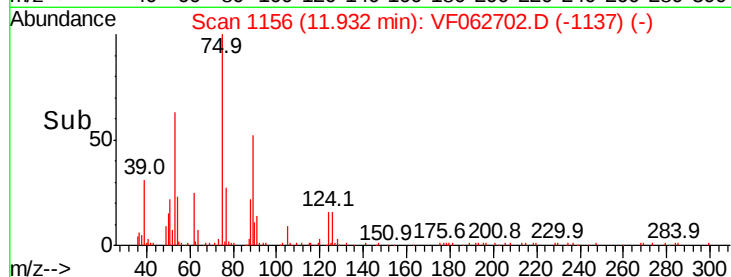
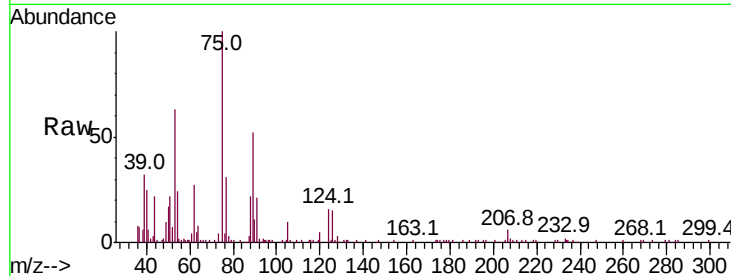
#81
trans-1,4-Dichloro-2-butene
Concen: 19.425 ug/l m
RT: 11.93 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.5	46.9	70.3
89	52.1	36.4	54.6

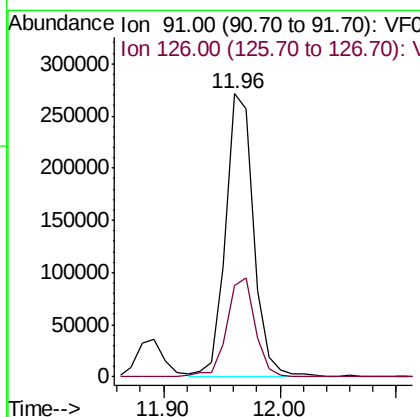
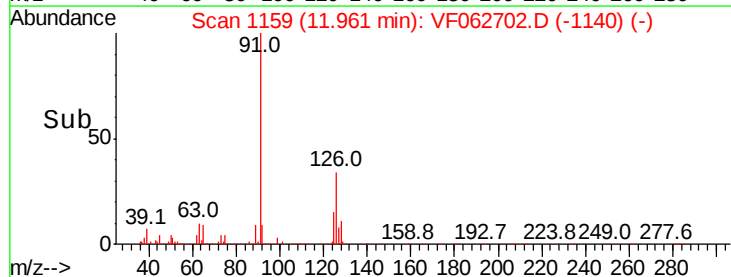
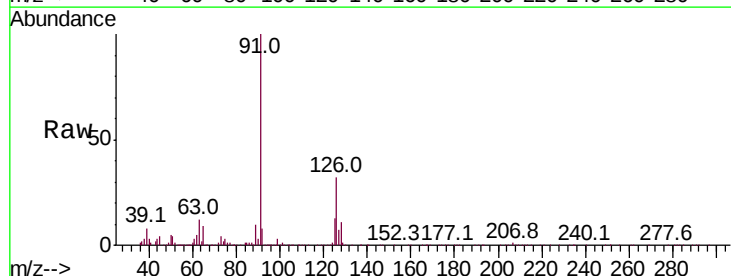
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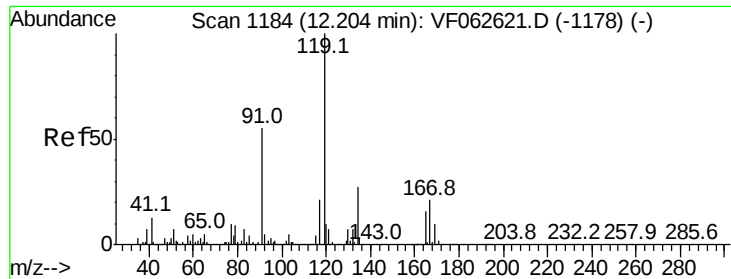
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#82
4-Chlorotoluene
Concen: 21.431 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	19.1	57.1





#83

tert-Butylbenzene

Concen: 22.705 ug/l

RT: 12.19 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

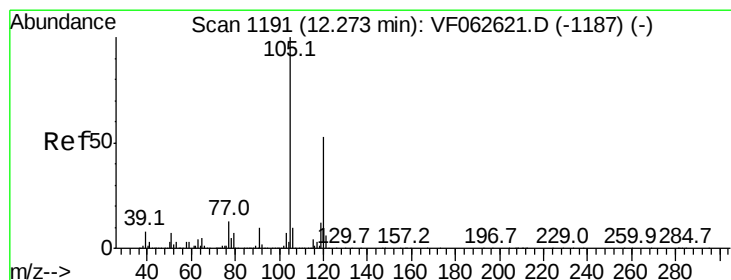
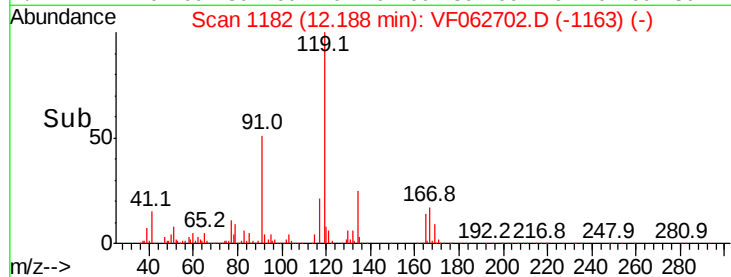
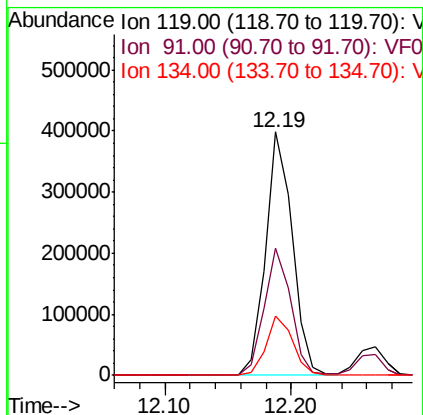
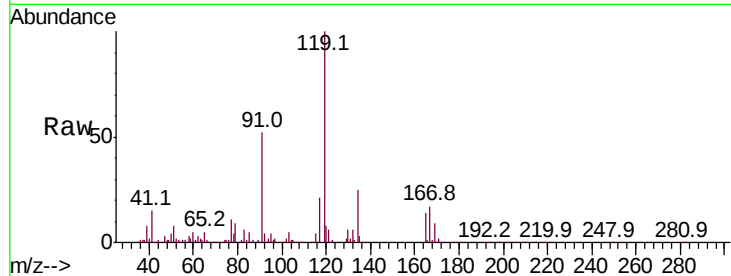
ClientSampleId :

VF0522SBSD01

Tot Ion:	119	Resp:	589539
Ion Ratio	Lower	Upper	
119	100		
91	52.4	27.3	81.9
134	24.6	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.480 ug/l

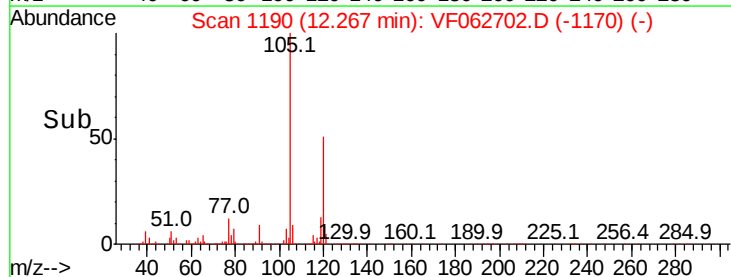
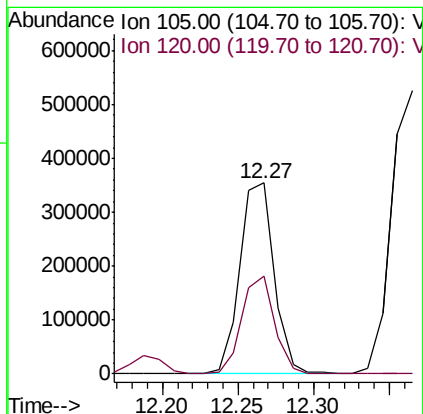
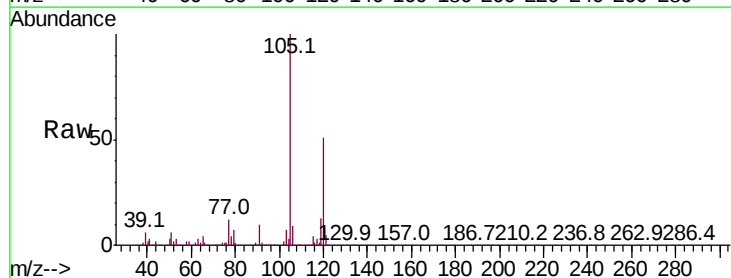
RT: 12.27 min Scan# 1190

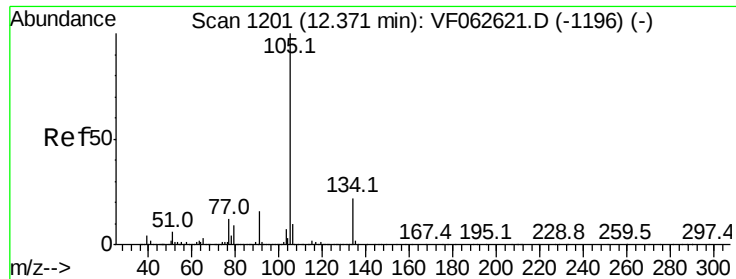
Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	105	Resp:	556847
Ion Ratio	Lower	Upper	
105	100		
120	51.1	26.7	80.1





#85

sec-Butylbenzene

Concen: 22.759 ug/l

RT: 12.37 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

Tot Ion:105 Resp: 793046

Ion Ratio Lower Upper

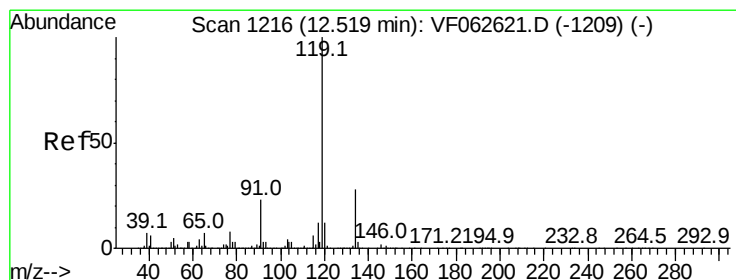
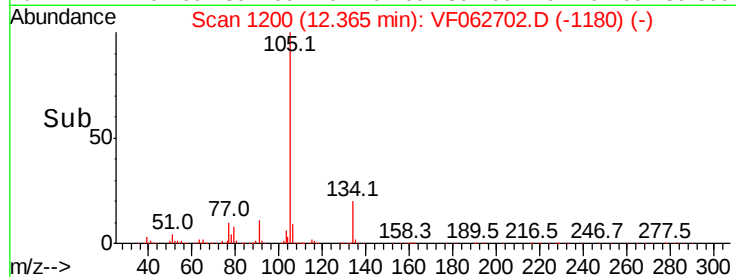
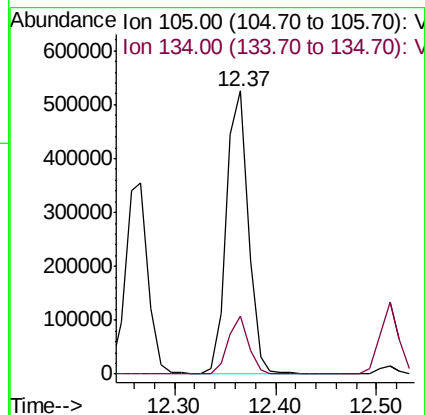
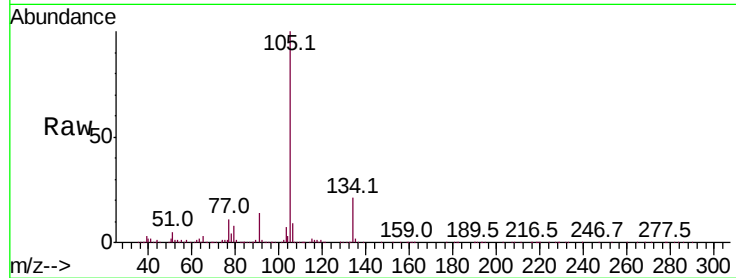
105 100

134 20.7 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 21.752 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

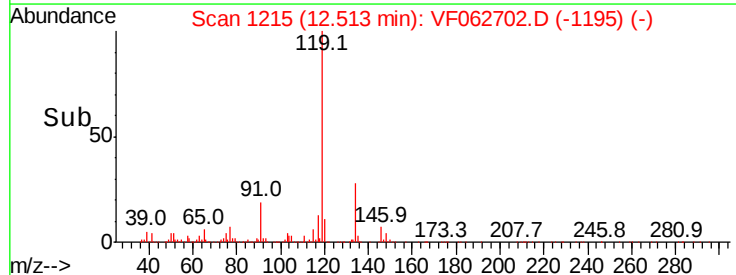
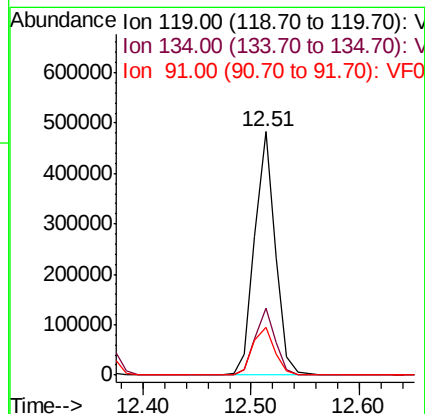
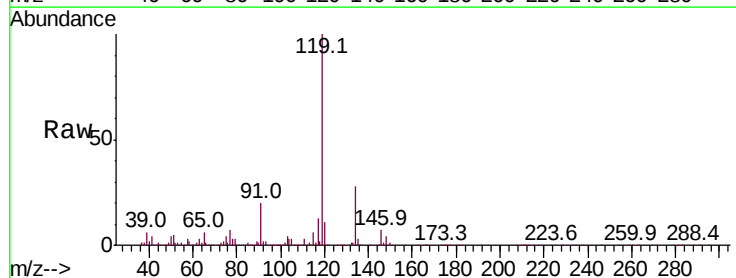
Tgt Ion:119 Resp: 638764

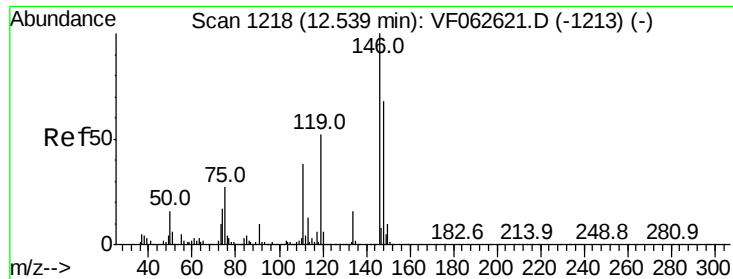
Ion Ratio Lower Upper

119 100

134 27.6 14.1 42.3

91 19.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 21.401 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

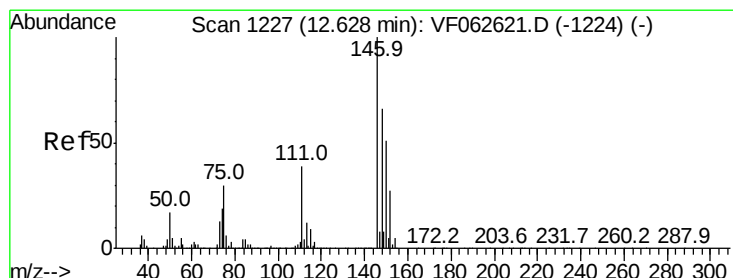
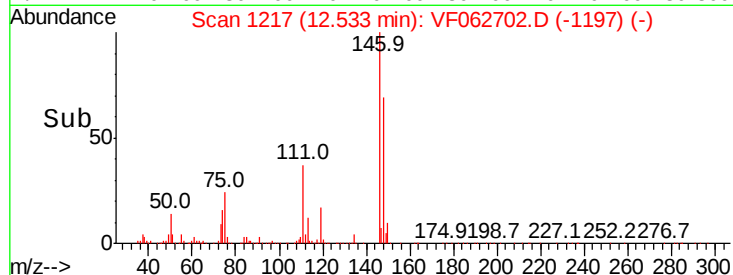
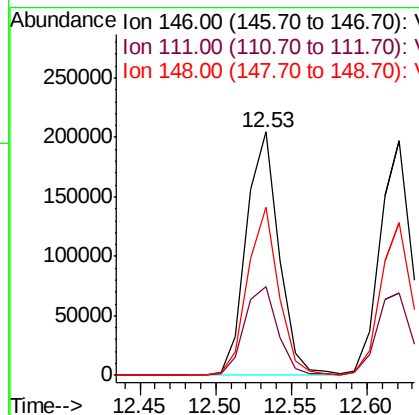
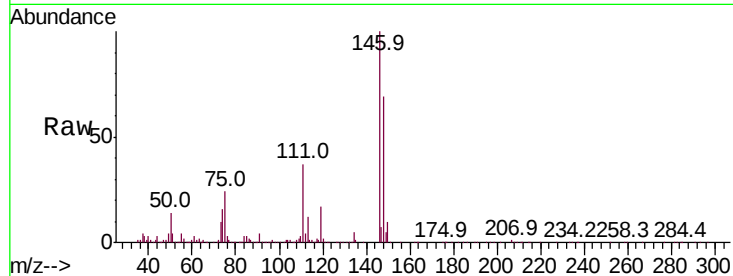
ClientSampleId :

VF0522SBSD01

Tot Ion:	146	Resp:	307176
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.9	56.9
148	68.8	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 21.972 ug/l

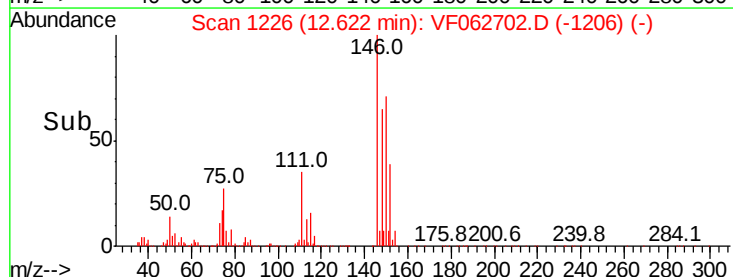
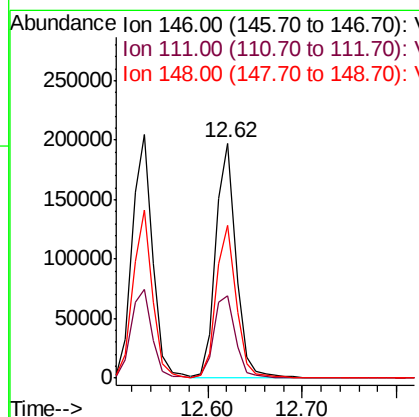
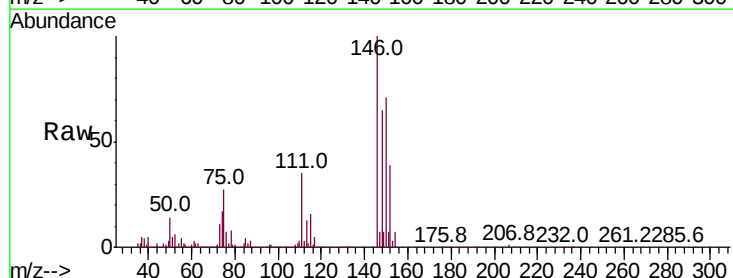
RT: 12.62 min Scan# 1226

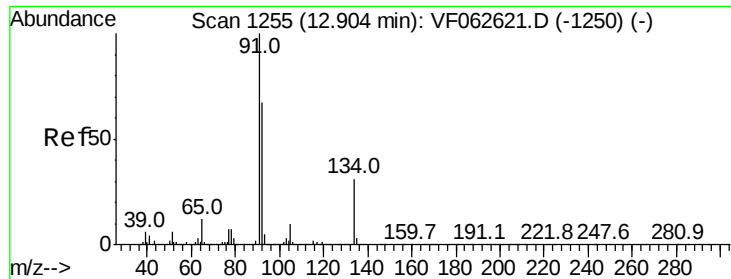
Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion:	146	Resp:	295963
Ion Ratio	Lower	Upper	
146	100		
111	34.9	19.4	58.2
148	65.0	33.2	99.6





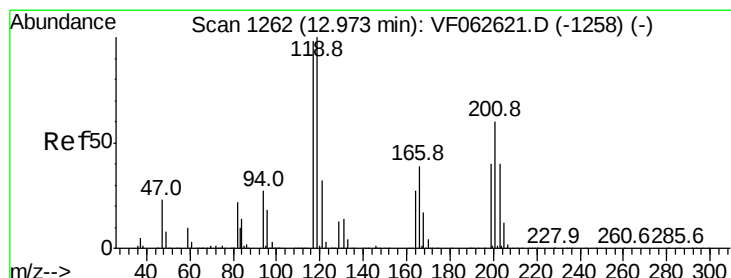
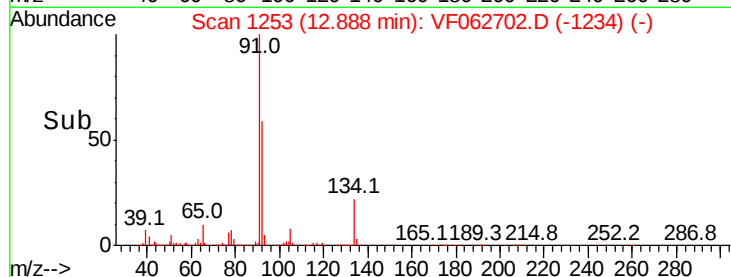
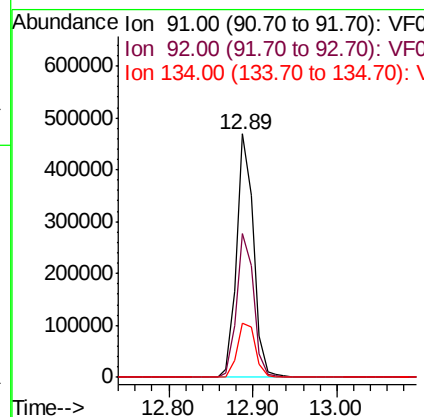
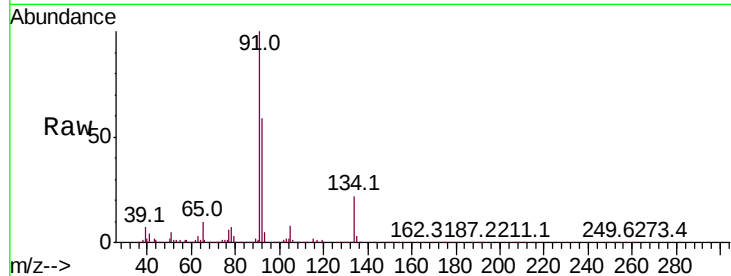
#89
n-Butylbenzene
Concen: 22.586 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	653945		
92	59.2		33.3	99.8
134	22.5		15.4	46.4

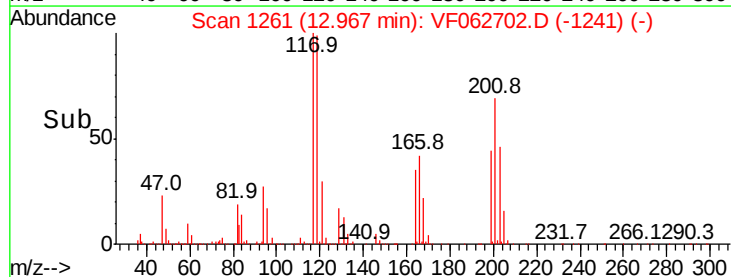
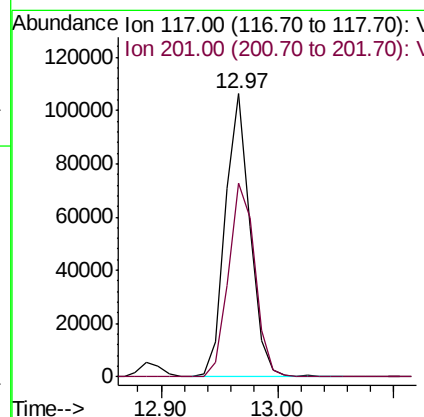
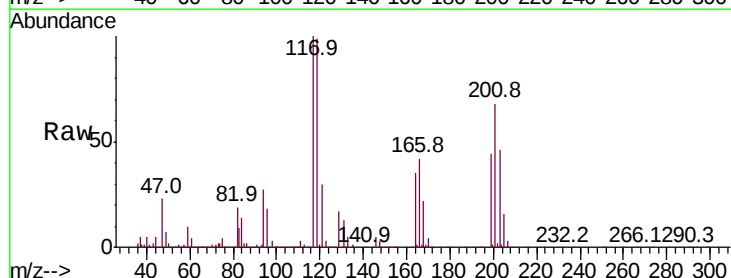
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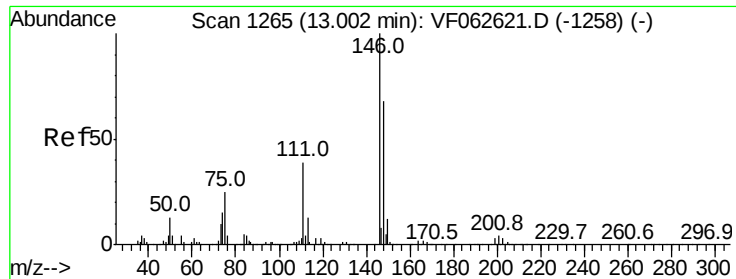
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#90
Hexachloroethane
Concen: 22.199 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	156382		
201	68.4		30.7	92.1





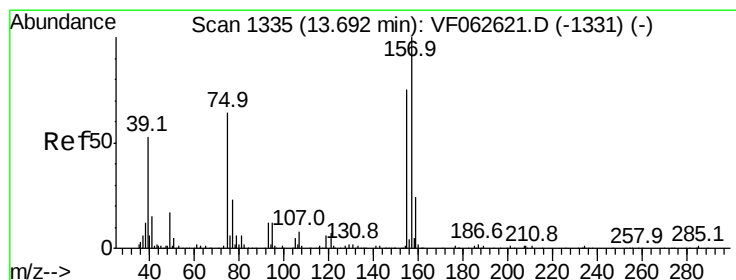
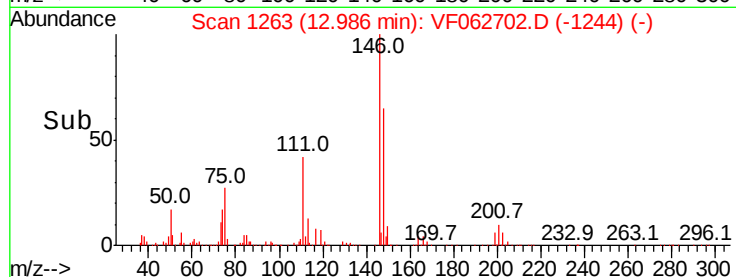
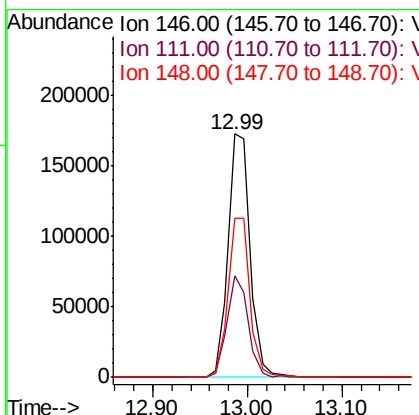
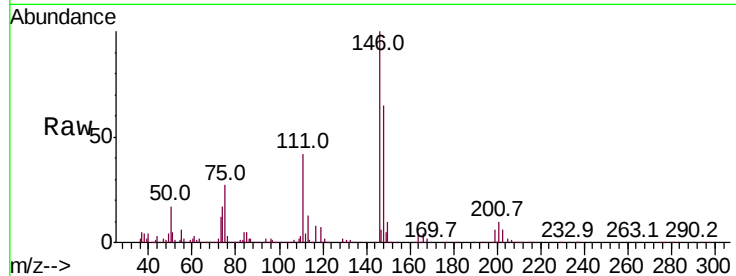
#91
 1,2-Dichlorobenzene
 Concen: 21.894 ug/l
 RT: 12.99 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	280130		
111	41.8	19.8	59.3	
148	65.4	34.1	102.2	

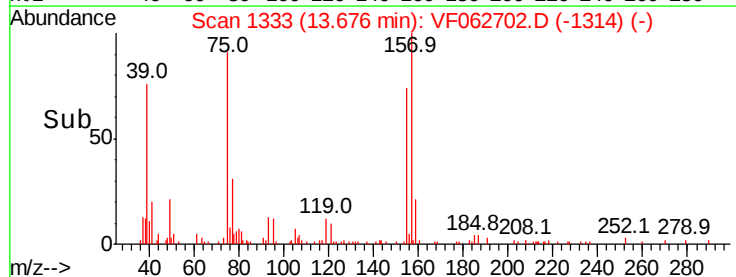
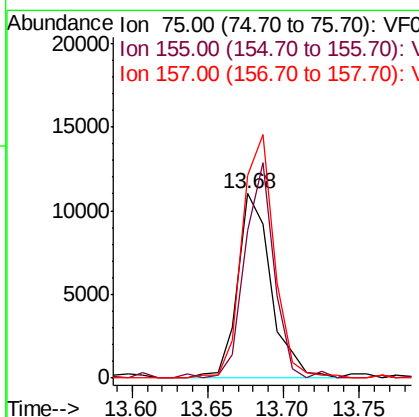
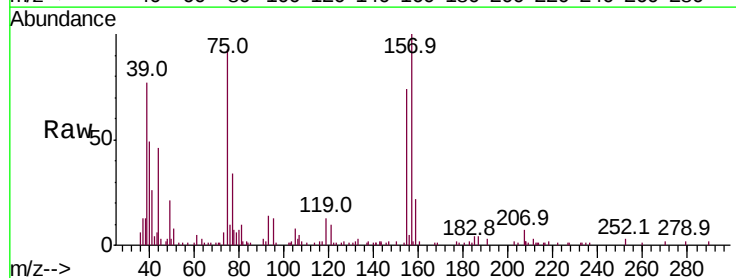
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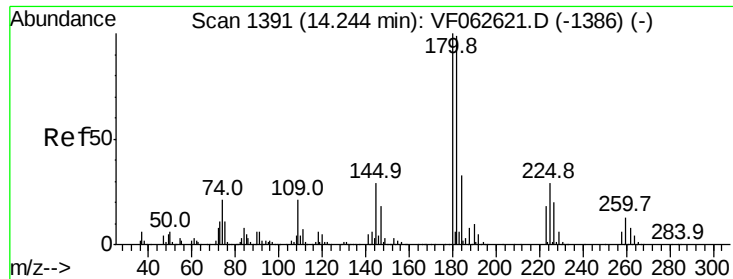
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.887 ug/l
 RT: 13.68 min Scan# 1333
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17031		
155	79.7	58.1	174.3	
157	110.0	77.8	233.4	





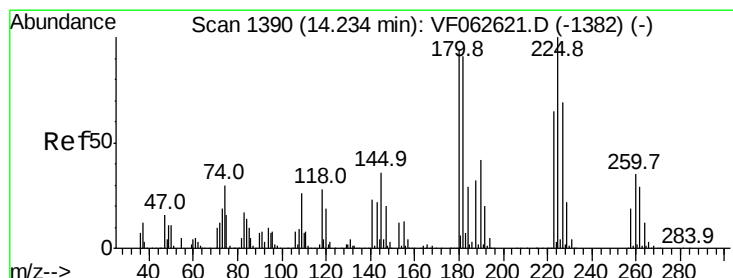
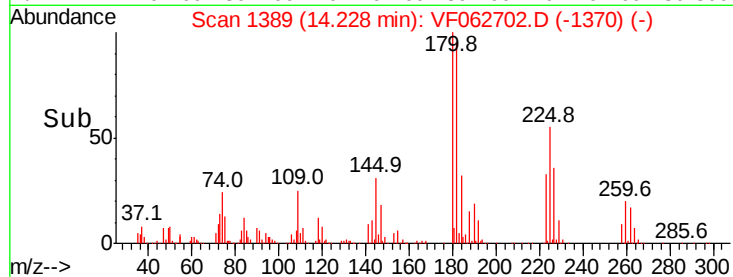
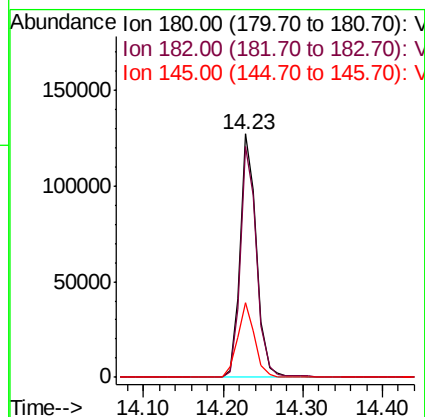
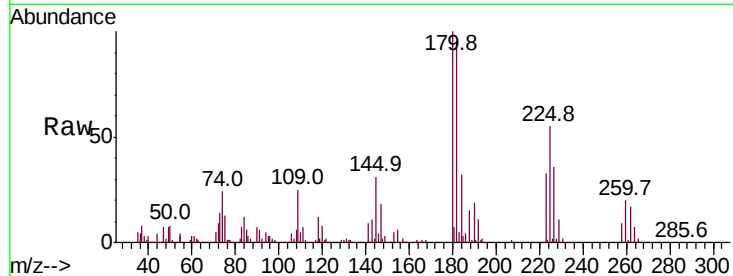
#93
1,2,4-Trichlorobenzene
Concen: 20.000 ug/l
RT: 14.23 min Scan# 1389
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	183171		
182	95.0	49.7	149.1	
145	30.6	14.6	44.0	

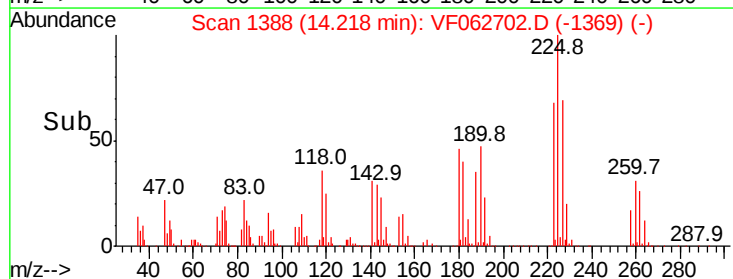
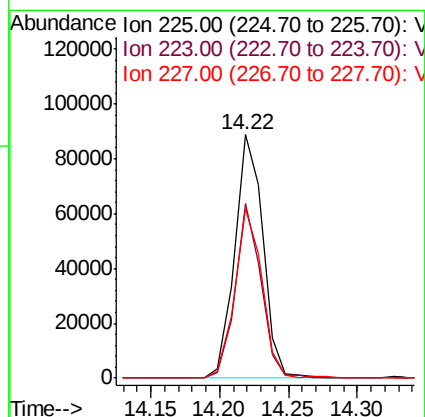
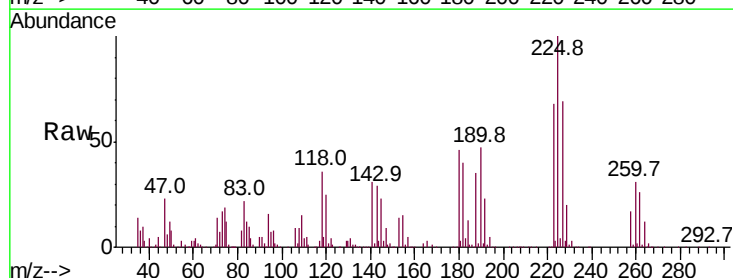
Manual Integrations
APPROVED

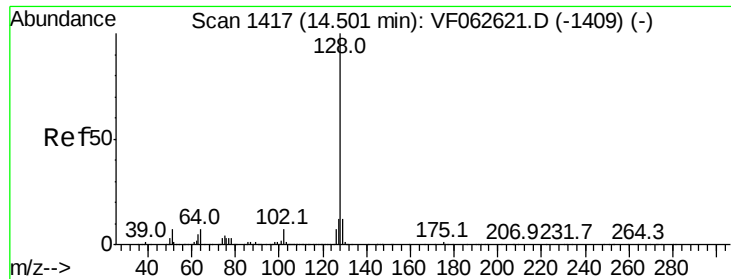
MMDadoda
5/23/2019 12:16:42 PM



#94
Hexachlorobutadiene
Concen: 19.790 ug/l
RT: 14.22 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126487		
223	71.8	32.5	97.4	
227	69.4	34.5	103.5	





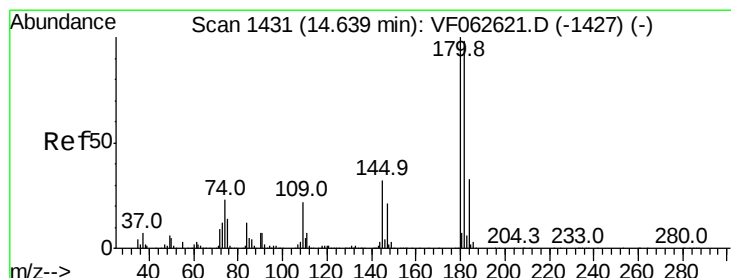
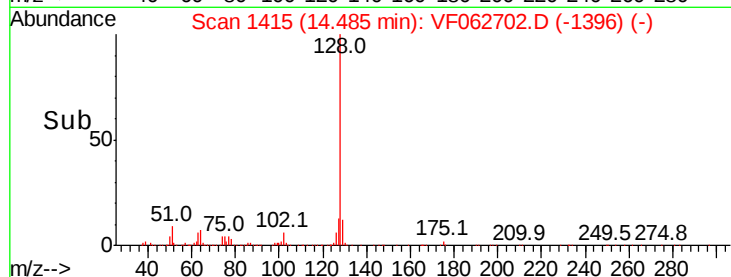
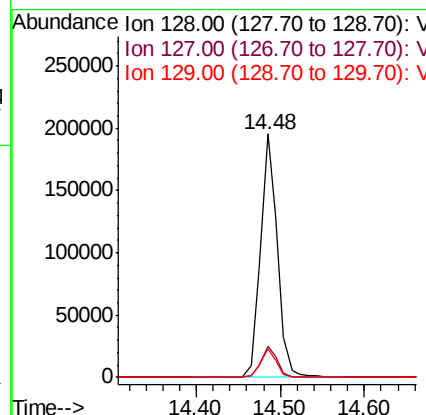
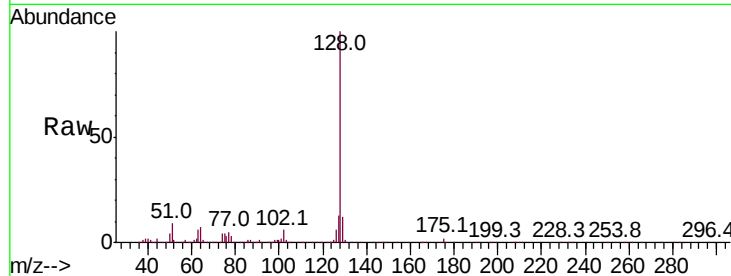
#95
Naphthalene
Concen: 16.605 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	276273		
127	12.9		9.7	14.5
129	11.7		9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:16:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.824 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	163293		
182	99.3		48.9	146.7
145	27.7		16.1	48.2

