

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062877.D
 Acq On : 6 Jun 2019 12:39
 Operator : FY/SY
 Sample : VF0606SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 4:03:56 PM

Quant Time: Jun 07 01:50:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	844809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1439461	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1163842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	562562	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.06	65	280930	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	4.33	113	501472	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
50) Toluene-d8	7.73	98	1251613	45.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.50	95	444396	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	207811	19.077	ug/l	98
3) Chloromethane	1.15	50	169749	19.419	ug/l	99
4) Vinyl Chloride	1.19	62	168555	19.404	ug/l	100
5) Bromomethane	1.40	94	93870	18.949	ug/l	92
6) Chloroethane	1.45	64	59578	18.344	ug/l	93
7) Trichlorofluoromethane	1.57	101	250985	20.410	ug/l	91
8) Diethyl Ether	1.72	74	42428	17.537	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	157021	20.310	ug/l	97
10) Methyl Iodide	1.99	142	306174	19.751	ug/l	95
11) Tert butyl alcohol	2.72	59	35017	98.947	ug/l #	87
12) 1,1-Dichloroethene	1.88	96	132636	18.893	ug/l	93
13) Acrolein	2.12	56	12910m	85.945	ug/l	
14) Allyl chloride	2.21	41	110275	20.247	ug/l	98
15) Acrylonitrile	3.09	53	104930	78.907	ug/l	86
16) Acetone	2.37	43	131431	98.297	ug/l	97
17) Carbon Disulfide	1.93	76	393889	19.196	ug/l	98
18) Methyl Acetate	2.47	43	48294	20.669	ug/l	92
19) Methyl tert-butyl Ether	2.56	73	266639	20.964	ug/l	99
20) Methylene Chloride	2.37	84	149727m	20.607	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	148227	21.058	ug/l	93
22) Diisopropyl ether	2.96	45	300504	19.420	ug/l	93
23) Vinyl Acetate	3.36	43	1108602	104.650	ug/l	97
24) 1,1-Dichloroethane	3.03	63	241000	20.860	ug/l	98
25) 2-Butanone	4.55	43	315304	101.261	ug/l	96
26) 2,2-Dichloropropane	3.79	77	133116	20.292	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	231912	19.600	ug/l	90
28) Bromochloromethane	3.92	49	123981	19.728	ug/l	84
29) Tetrahydrofuran	4.30	42	132226	111.028	ug/l	96
30) Chloroform	4.07	83	338053	20.761	ug/l	94
31) Cyclohexane	3.89	56	304048	19.438	ug/l	89
32) 1,1,1-Trichloroethane	4.32	97	221704	23.386	ug/l	93
36) 1,1-Dichloropropene	4.49	75	255146	19.254	ug/l	97
37) Ethyl Acetate	4.33	43	127852	25.239	ug/l #	91
38) Carbon Tetrachloride	4.21	117	177415	19.810	ug/l	84

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Quant Time: Jun 07 01:50:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	309348	18.757	ug/l	97
40) Benzene	4.84	78	794366	20.597	ug/l	99
41) Methacrylonitrile	4.96	41	58962	20.938	ug/l	93
42) 1,2-Dichloroethane	5.15	62	141201	19.250	ug/l	92
43) Isopropyl Acetate	7.14	43	135169	20.199	ug/l #	100
44) Trichloroethene	5.71	130	219301	20.148	ug/l	98
45) 1,2-Dichloropropane	6.43	63	205608	21.244	ug/l	97
46) Dibromomethane	6.28	93	120229	21.277	ug/l	93
47) Bromodichloromethane	6.57	83	229503	19.943	ug/l	93
48) Methyl methacrylate	6.90	41	69808	20.242	ug/l	96
49) 1,4-Dioxane	6.90	88	17730	390.036	ug/l #	84
51) 4-Methyl-2-Pentanone	8.42	43	522845	109.440	ug/l	98
52) Toluene	7.80	92	436565	21.016	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	195187	20.469	ug/l	92
54) cis-1,3-Dichloropropene	7.48	75	277526	20.106	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	129352	20.844	ug/l	96
56) Ethyl methacrylate	8.77	69	129978	19.520	ug/l	99
57) 1,3-Dichloropropane	9.02	76	225487	22.250	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	267962	115.148	ug/l	100
59) 2-Hexanone	9.64	43	374116	109.865	ug/l	99
60) Dibromochloromethane	8.88	129	157831	20.543	ug/l	99
61) 1,2-Dibromoethane	9.15	107	135962	21.096	ug/l	93
64) Tetrachloroethene	8.32	164	171302	19.154	ug/l	92
65) Chlorobenzene	9.95	112	441865	19.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	170192	19.014	ug/l	98
67) Ethyl Benzene	10.04	91	766672	19.878	ug/l	95
68) m/p-Xylenes	10.27	106	540807	36.643	ug/l	81
69) o-Xylene	10.83	106	270726	18.117	ug/l	93
70) Styrene	10.90	104	421970	19.159	ug/l	98
71) Bromoform	10.89	173	81342	18.943	ug/l #	100
73) Isopropylbenzene	11.23	105	749396	19.091	ug/l	96
74) N-amyl acetate	11.46	43	214243	19.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	174748	20.846	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	115616	20.807	ug/l	93
77) Bromobenzene	11.59	156	188971	19.160	ug/l	85
78) n-propylbenzene	11.68	91	960205	20.259	ug/l	89
79) 2-Chlorotoluene	11.81	91	526611	19.418	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	601646	18.742	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	45114m	19.178	ug/l	
82) 4-Chlorotoluene	11.99	91	522620	19.609	ug/l	99
83) tert-Butylbenzene	12.21	119	541522	17.025	ug/l	90
84) 1,2,4-Trimethylbenzene	12.28	105	601146	19.751	ug/l	96
85) sec-Butylbenzene	12.38	105	844022	20.137	ug/l	97
86) p-Isopropyltoluene	12.53	119	703869	20.176	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	354988	20.409	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	311226	19.173	ug/l	99
89) n-Butylbenzene	12.90	91	712090	20.291	ug/l	88
90) Hexachloroethane	12.98	117	164014	19.276	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	306055	20.019	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17827	19.520	ug/l	79

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Quant Time: Jun 07 01:50:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	204040	19.437	ug/l	95
94) Hexachlorobutadiene	14.23	225	137559	18.942	ug/l	97
95) Naphthalene	14.50	128	286437	16.656	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	162371	16.945	ug/l	98

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

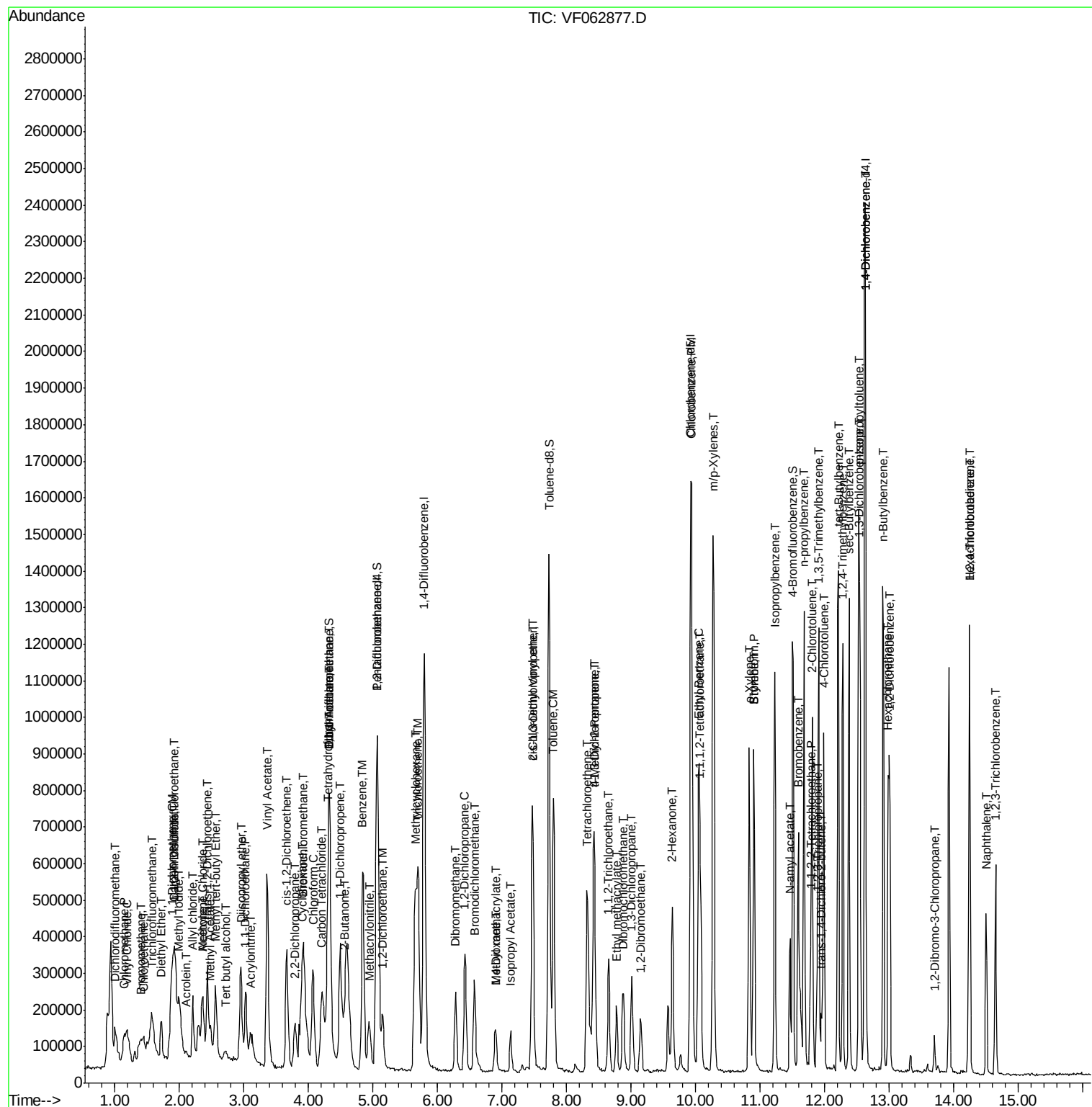
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
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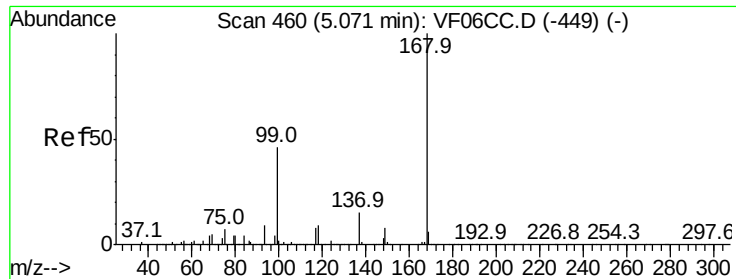
Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion:168 Resp: 844809

Ion Ratio Lower Upper

168 100

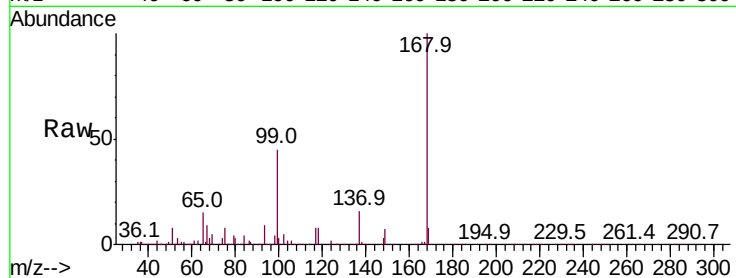
99 45.0 39.1 58.7

Manual Integrations

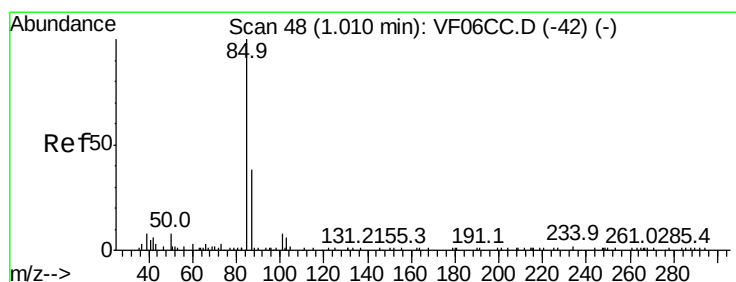
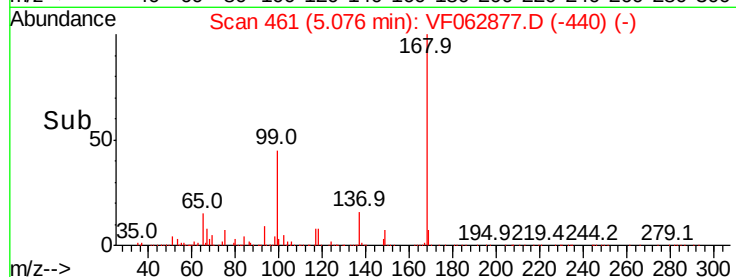
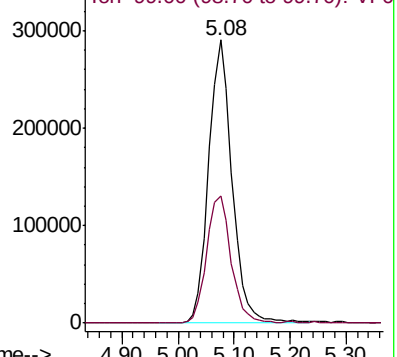
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 19.077 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062877.D

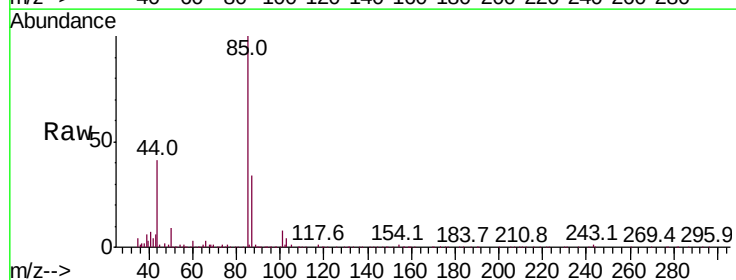
Acq: 6 Jun 2019 12:39

Tgt Ion: 85 Resp: 207811

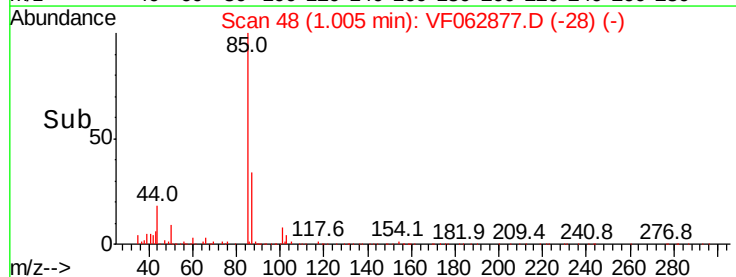
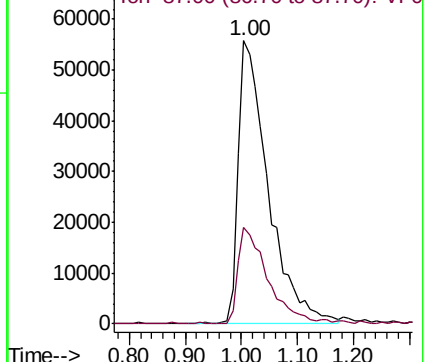
Ion Ratio Lower Upper

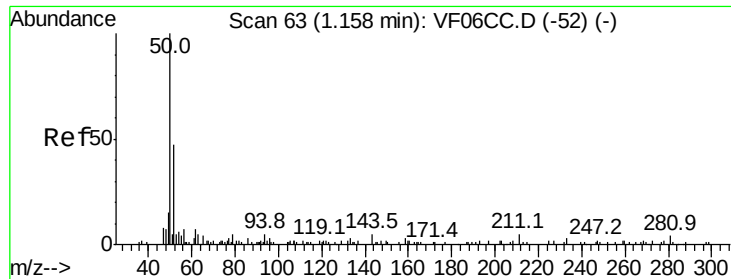
85 100

87 33.9 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 19.419 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 50 Resp: 169749

Ion Ratio Lower Upper

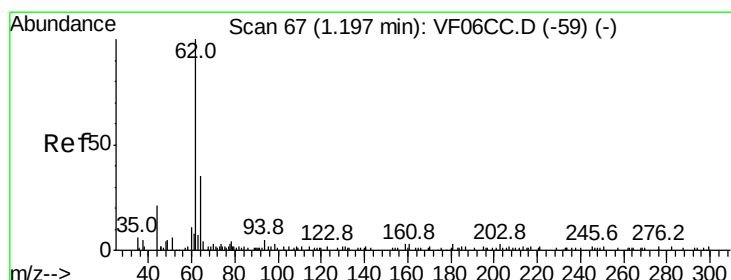
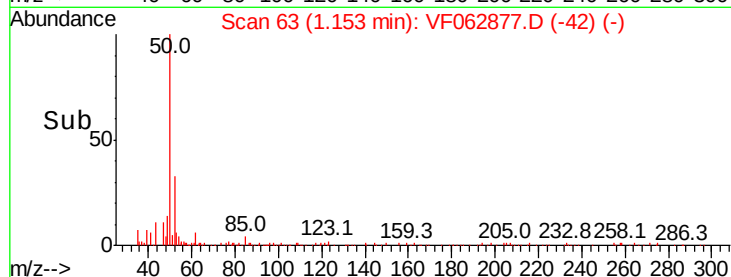
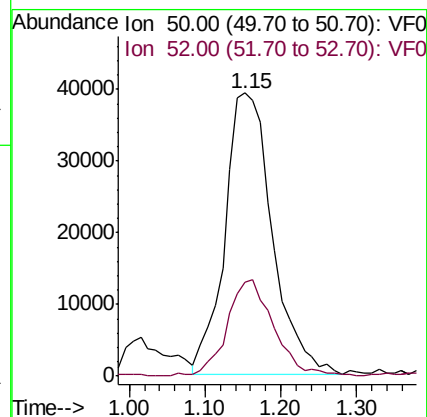
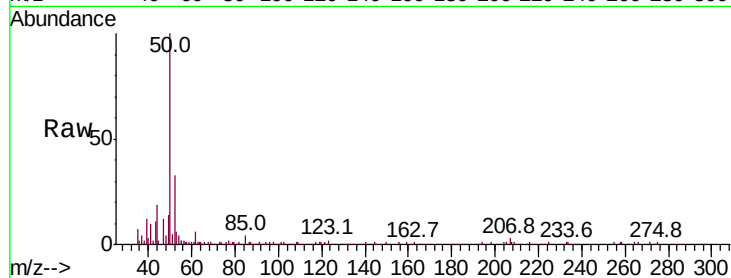
50 100

52 33.1 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.404 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062877.D

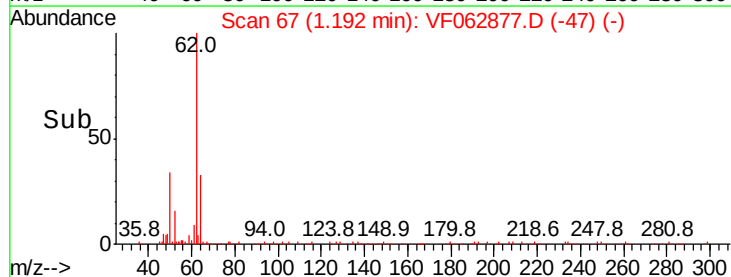
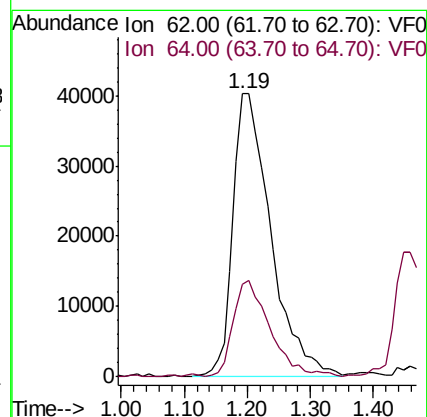
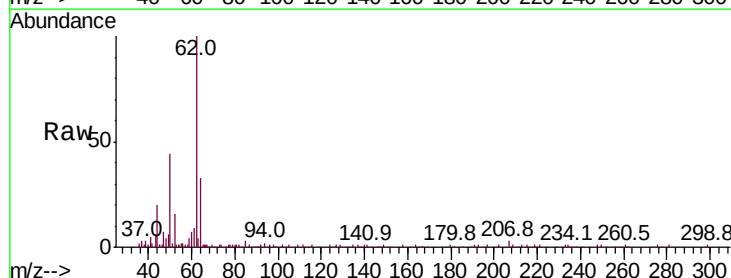
Acq: 6 Jun 2019 12:39

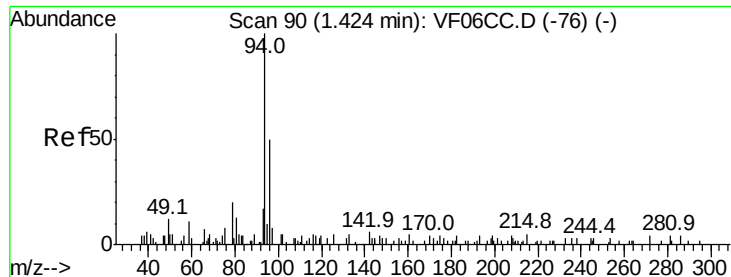
Tgt Ion: 62 Resp: 168555

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 18.949 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 94 Resp: 93870

Ion Ratio Lower Upper

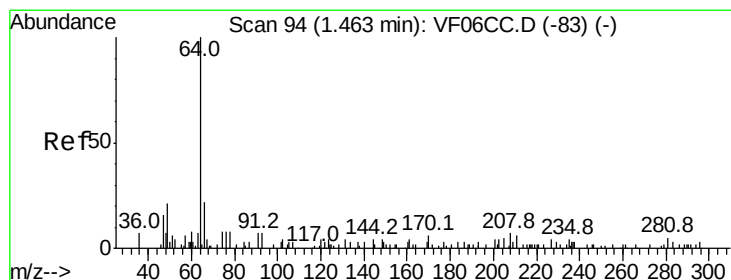
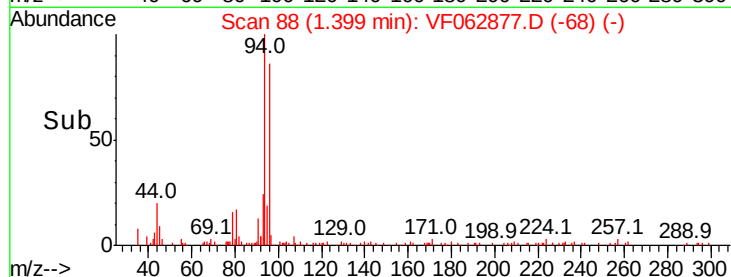
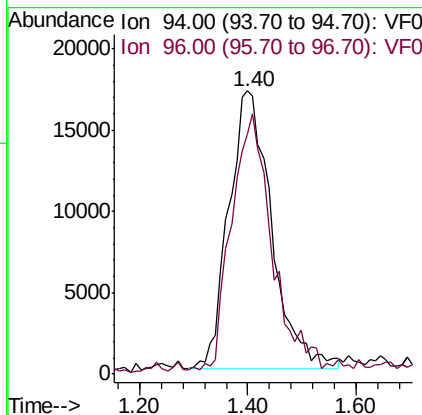
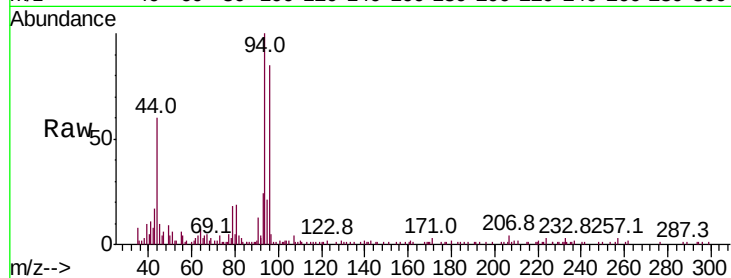
94 100

96 84.6 73.8 110.6

Manual Integrations
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#6

Chloroethane

Concen: 18.344 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062877.D

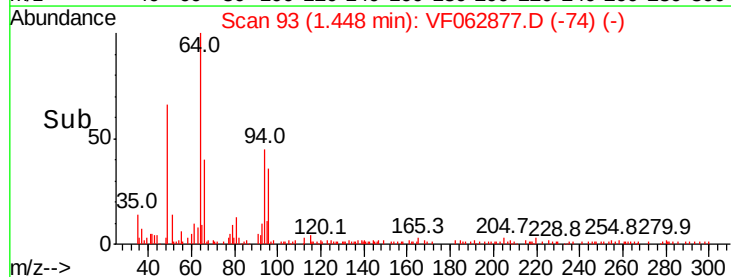
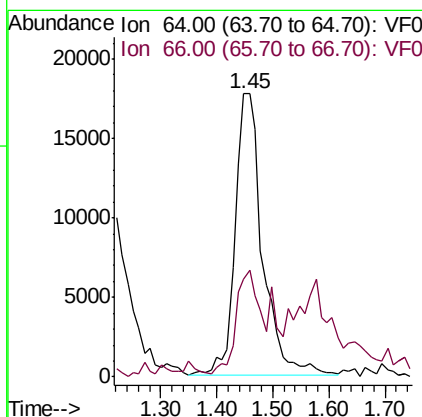
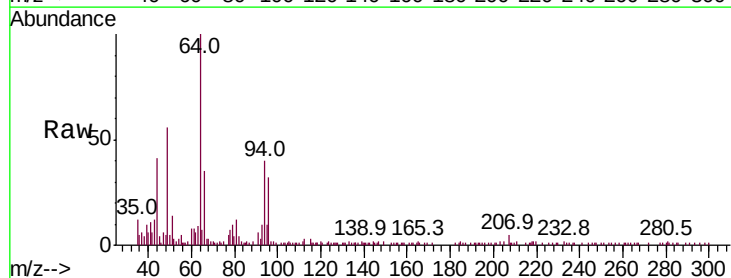
Acq: 6 Jun 2019 12:39

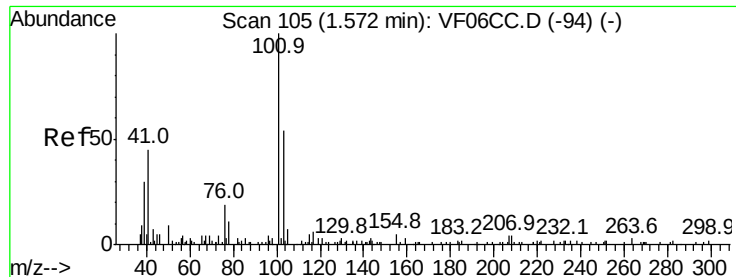
Tgt Ion: 64 Resp: 59578

Ion Ratio Lower Upper

64 100

66 34.6 31.0 46.4





#7

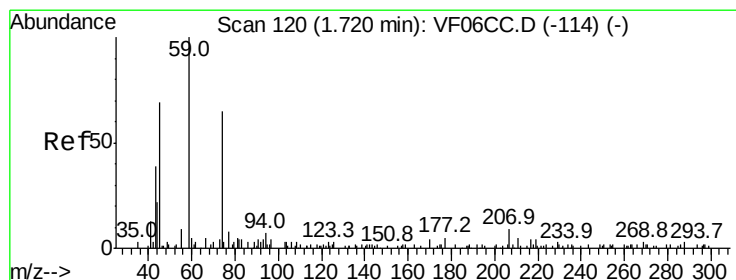
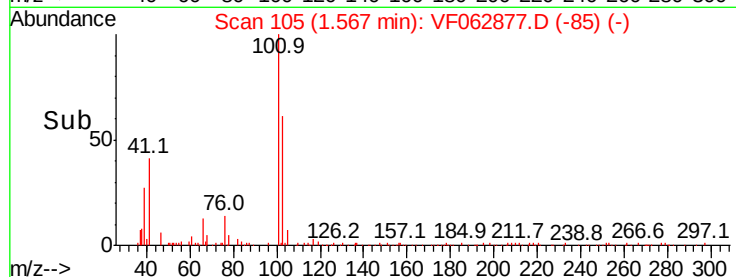
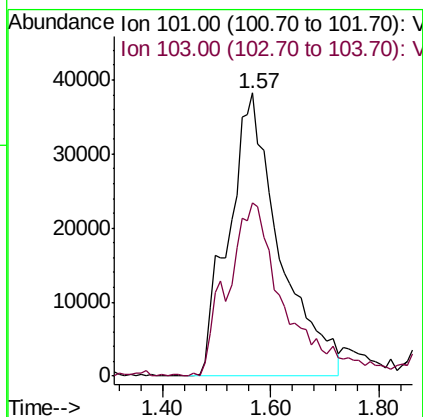
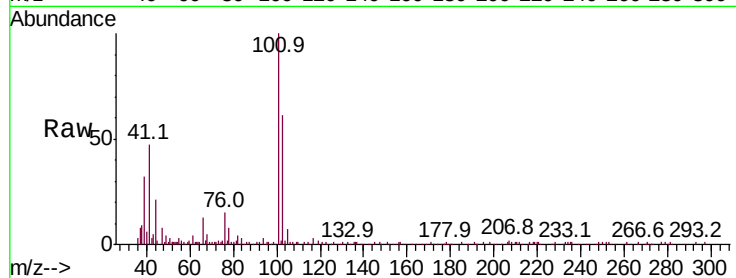
Trichlorofluoromethane
Concen: 20.410 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	54.6	82.0

Manual Integrations
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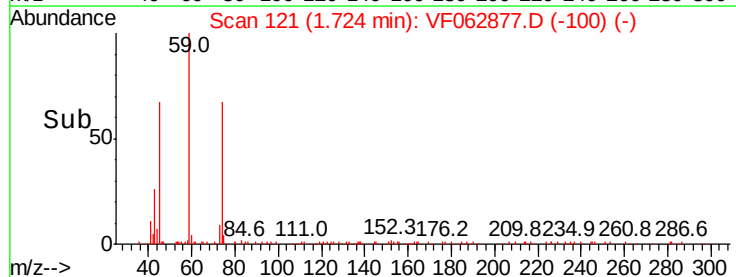
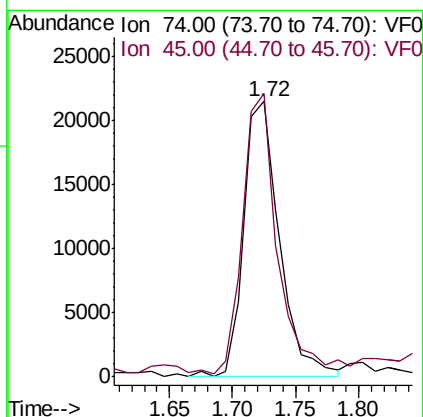
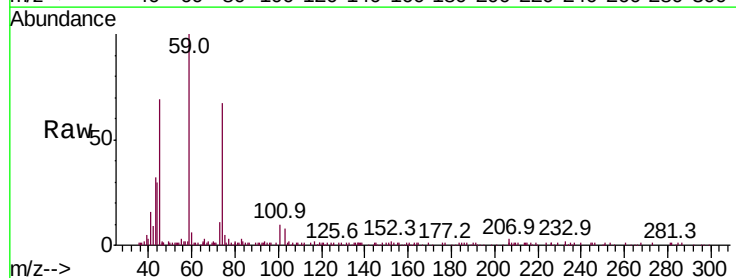
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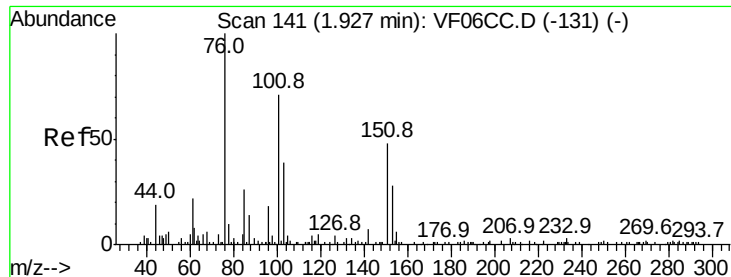


#8

Diethyl Ether
Concen: 17.537 ug/l
RT: 1.72 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.310 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.02 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

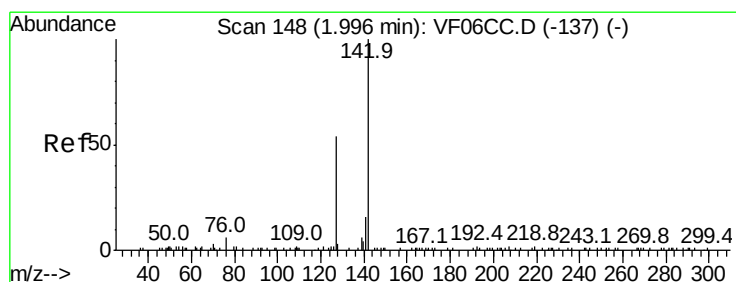
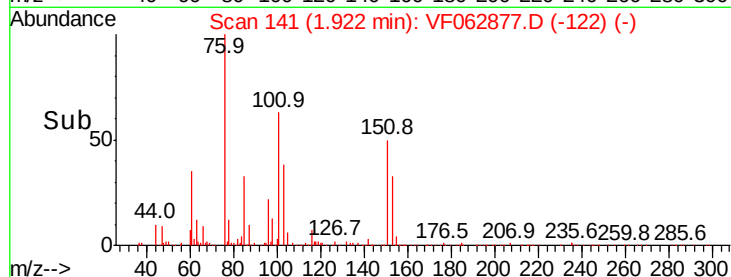
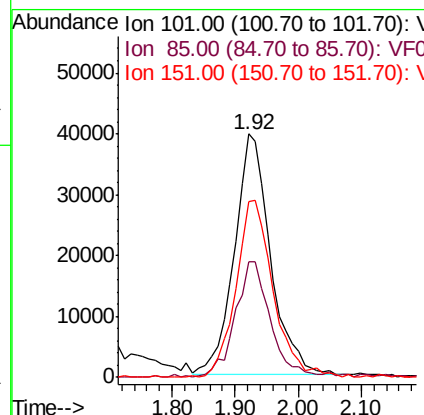
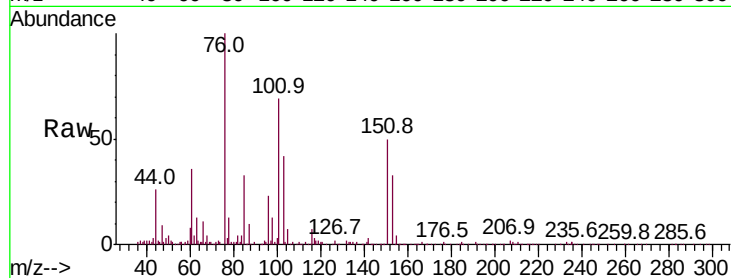
ClientSampleId :

VF0606SBS01

Tot Ion:	101	Resp:	157021
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.1	55.7
151	72.3	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.751 ug/l

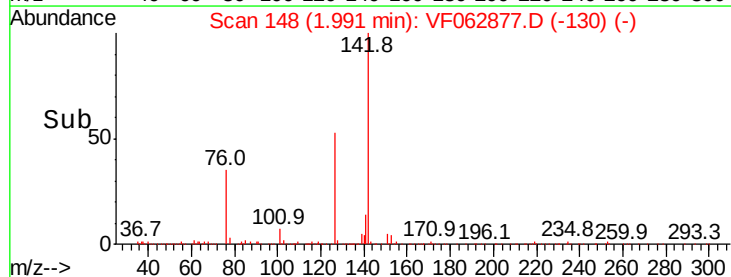
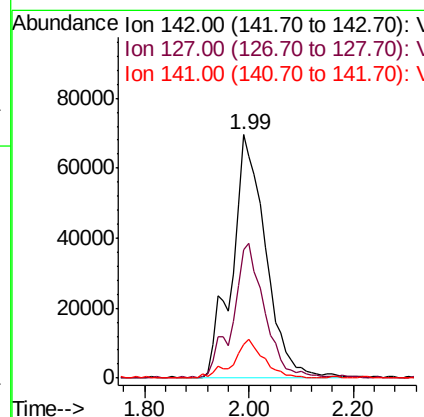
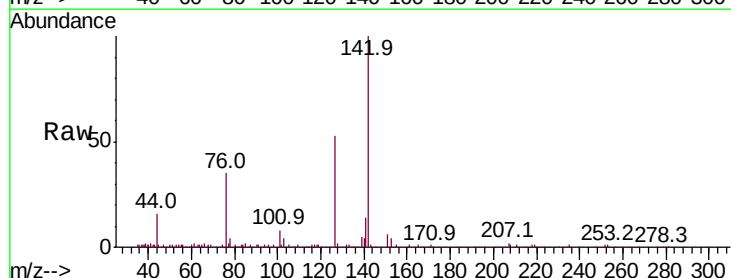
RT: 1.99 min Scan# 148

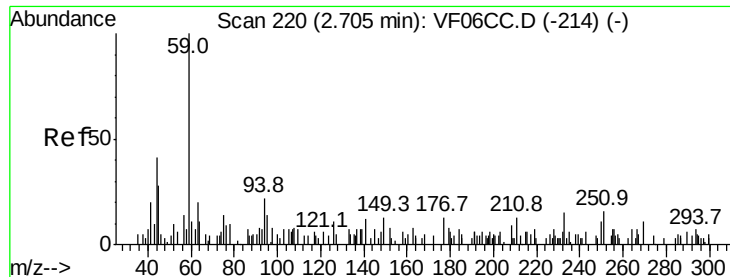
Delta R.T. -0.03 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	142	Resp:	306174
Ion Ratio	Lower	Upper	
142	100		
127	53.0	39.4	59.2
141	13.9	10.6	15.8





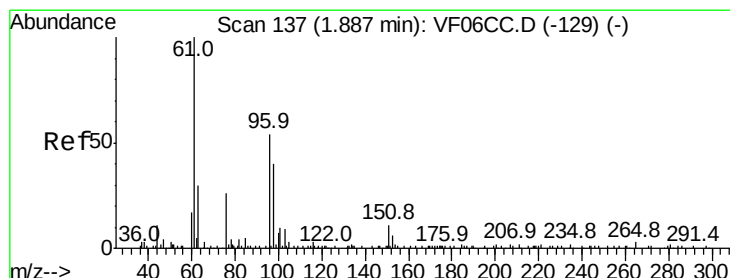
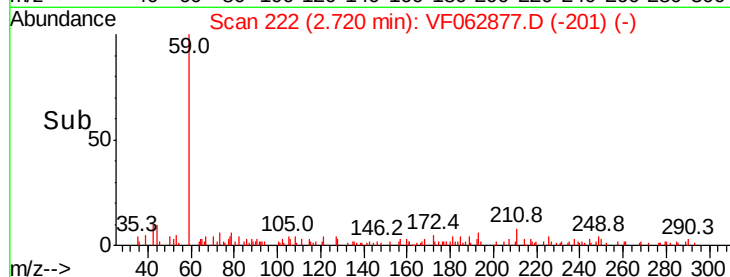
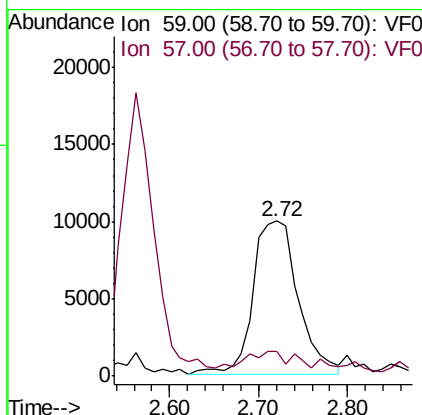
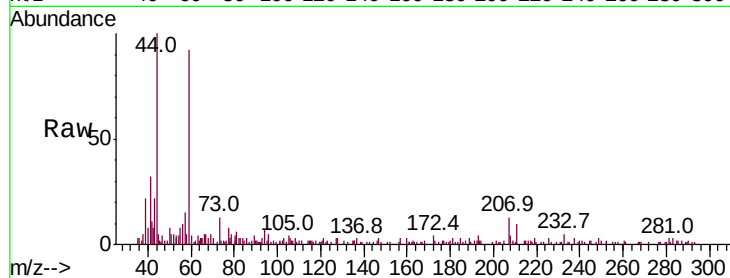
#11
Tert butyl alcohol
Concen: 98.947 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion: 59 Resp: 35017
Ion Ratio Lower Upper
59 100
57 16.4 9.2 13.8#

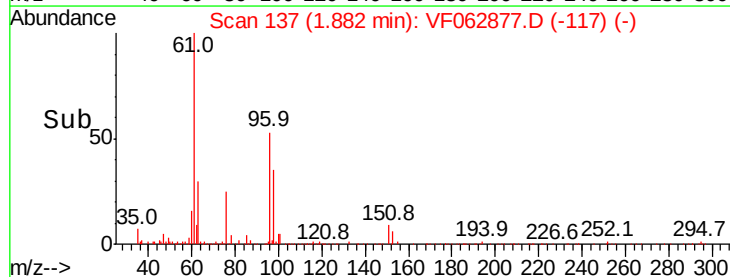
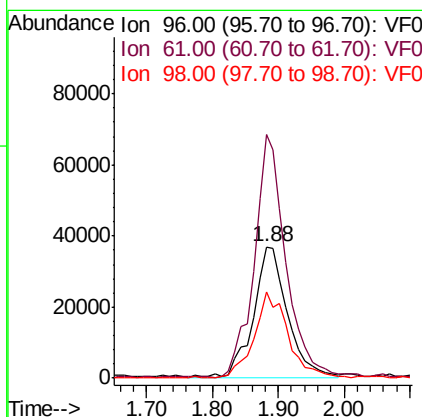
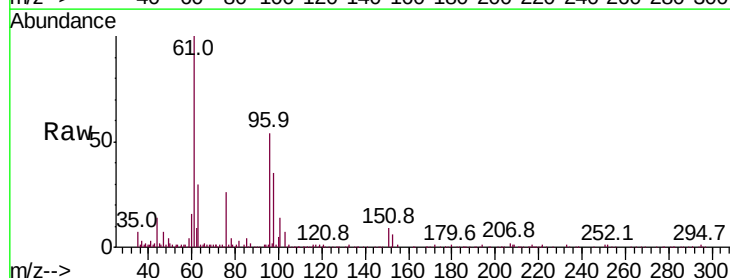
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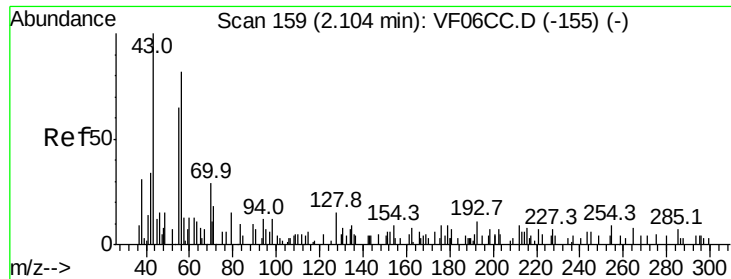
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.893 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion: 96 Resp: 132636
Ion Ratio Lower Upper
96 100
61 185.3 139.4 209.2
98 65.2 50.3 75.5





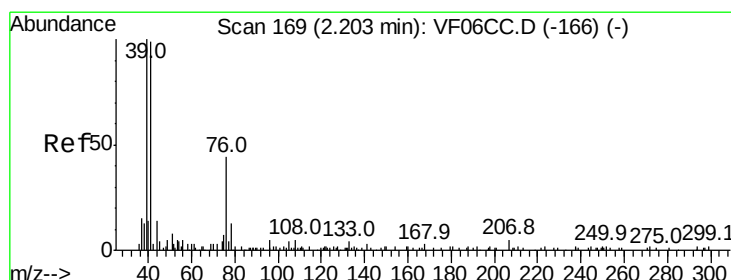
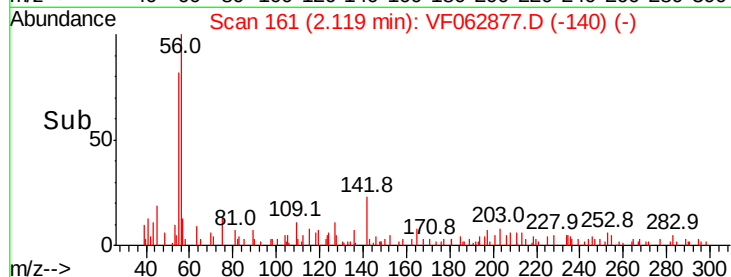
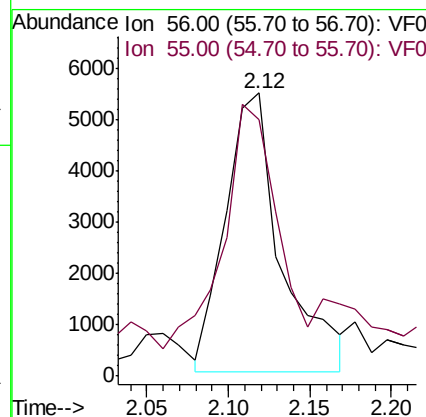
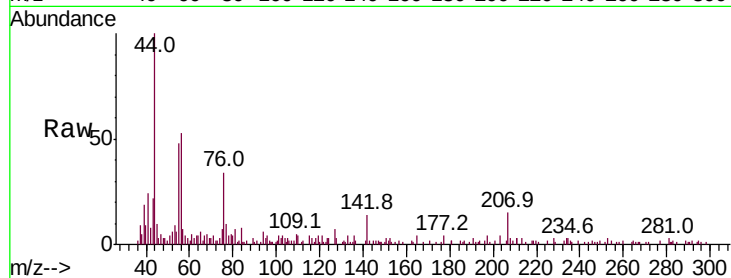
#13
Acrolein
Concen: 85.945 ug/l m
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	90.4	52.9	79.3#

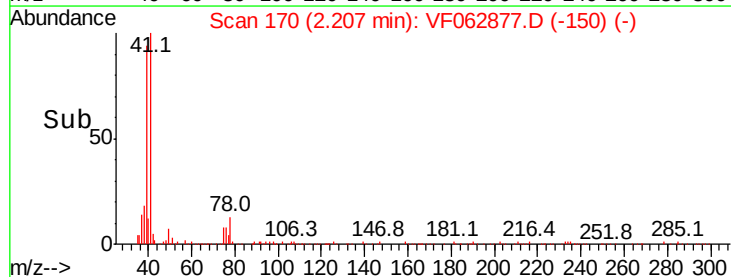
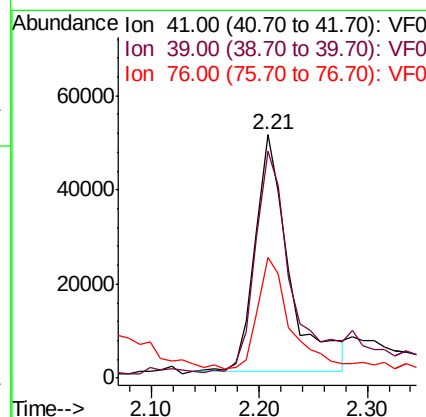
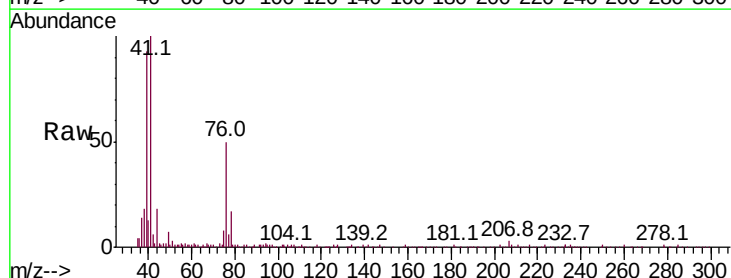
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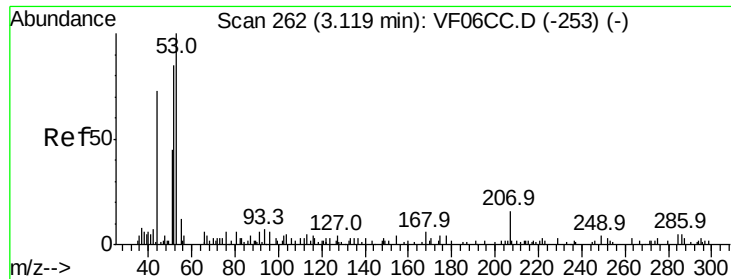
MMDadoda
6/7/2019 4:03:56 PM



#14
Allyl chloride
Concen: 20.247 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	93.0	71.9	107.9
76	49.6	39.6	59.4





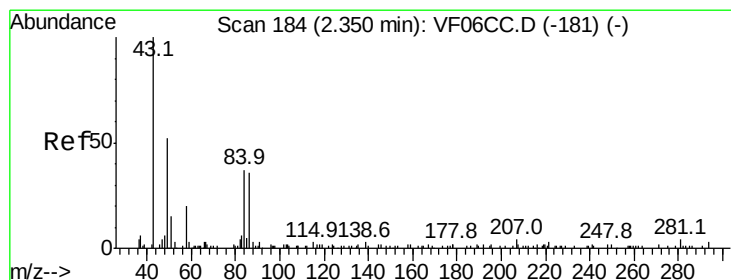
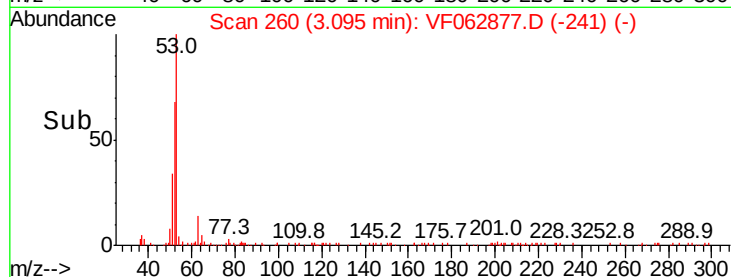
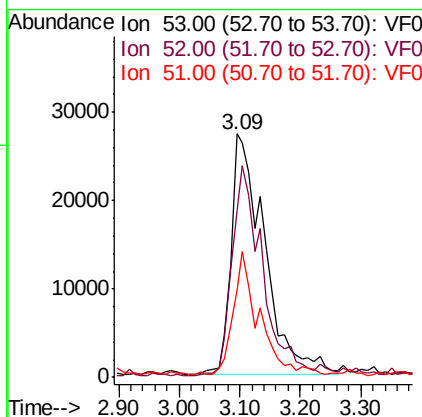
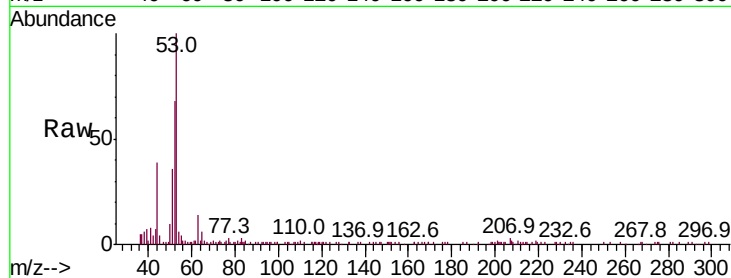
#15
 Acrylonitrile
 Concen: 78.907 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. -0.02 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	68.4	68.1	102.1
51	36.0	27.7	41.5

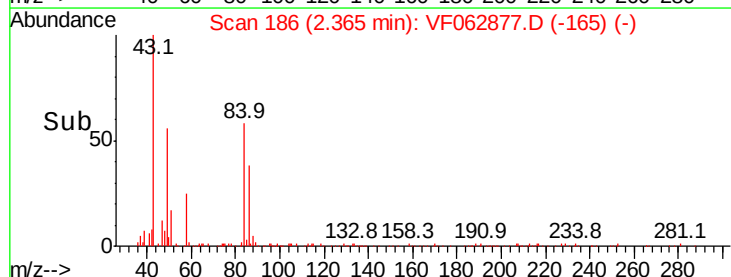
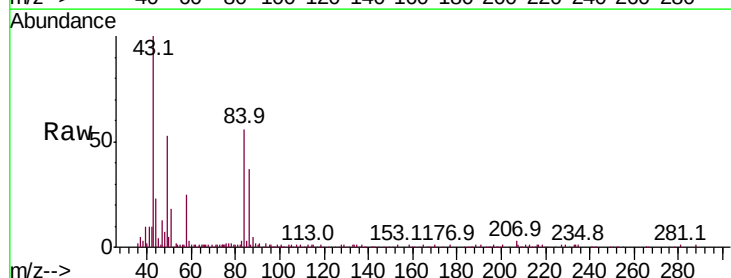
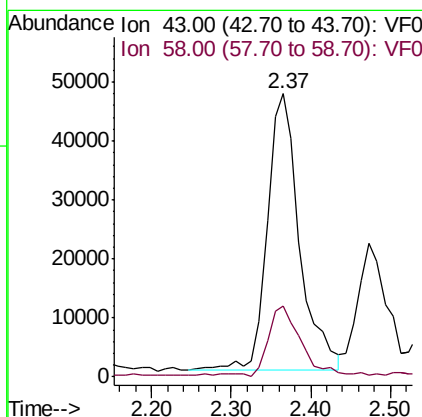
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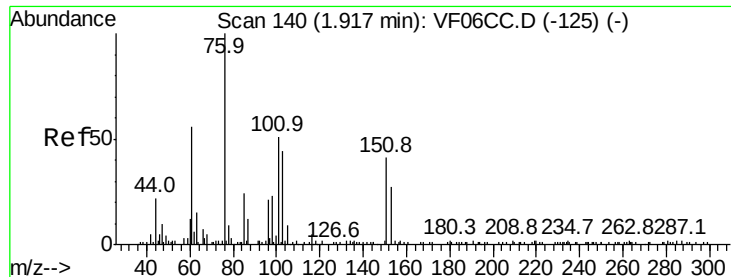
MMDadoda
 6/7/2019 4:03:56 PM



#16
 Acetone
 Concen: 98.297 ug/l
 RT: 2.37 min Scan# 186
 Delta R.T. 0.00 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.1	19.0	28.4





#17

Carbon Disulfide

Concen: 19.196 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 76 Resp: 393889

Ion Ratio Lower Upper

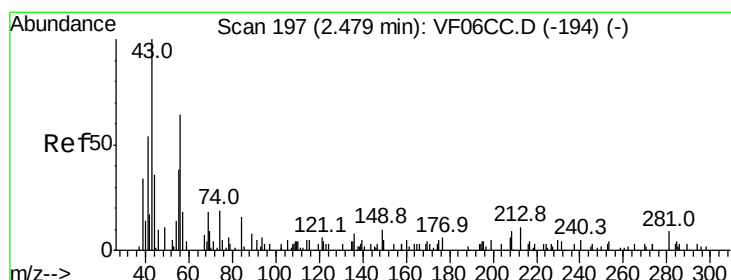
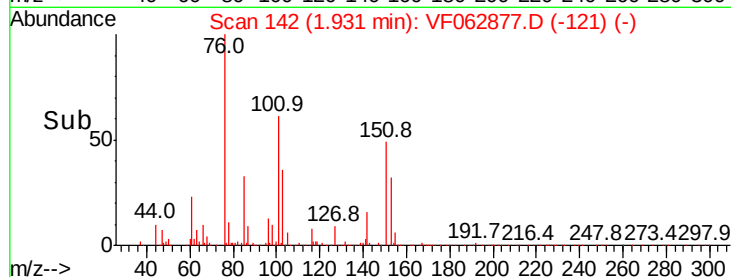
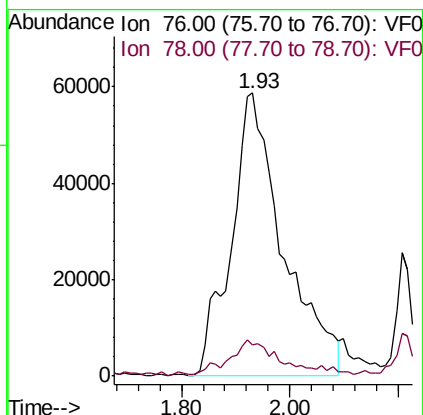
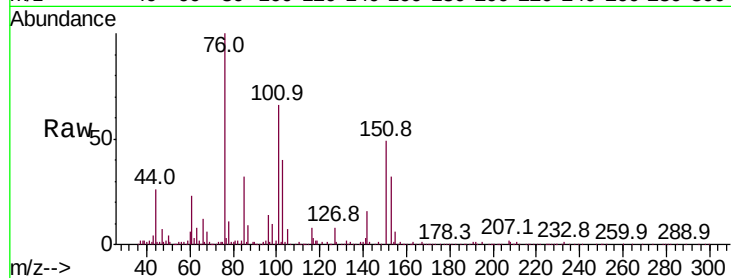
76 100

78 11.0 9.4 14.2

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#18

Methyl Acetate

Concen: 20.669 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062877.D

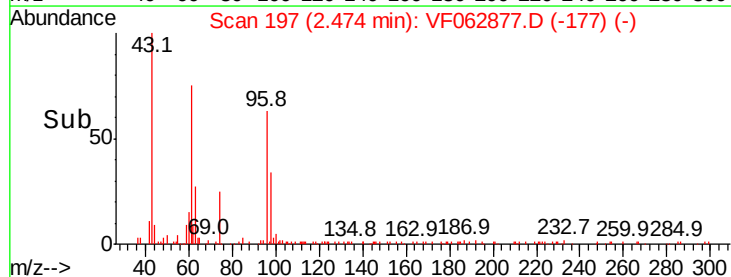
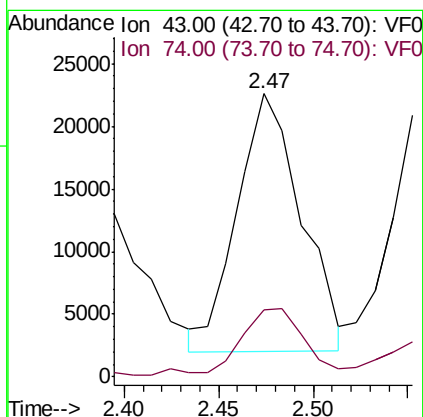
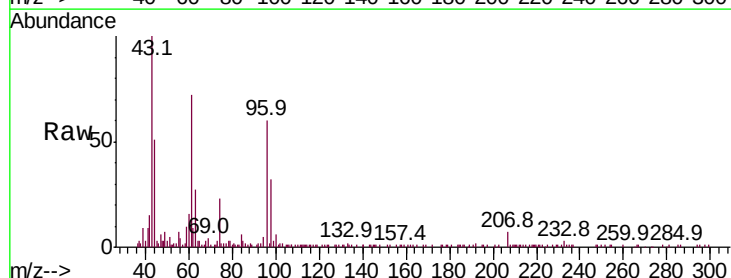
Acq: 6 Jun 2019 12:39

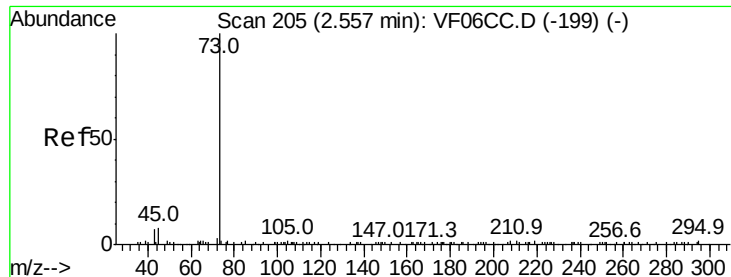
Tgt Ion: 43 Resp: 48294

Ion Ratio Lower Upper

43 100

74 23.5 22.1 33.1





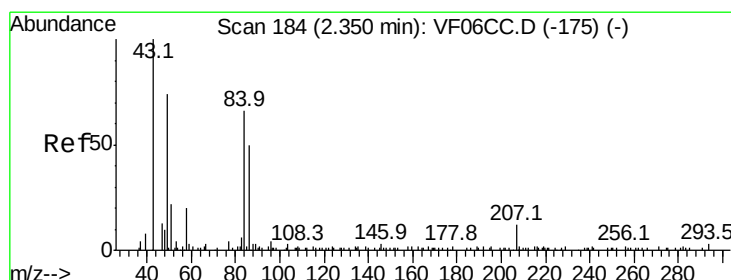
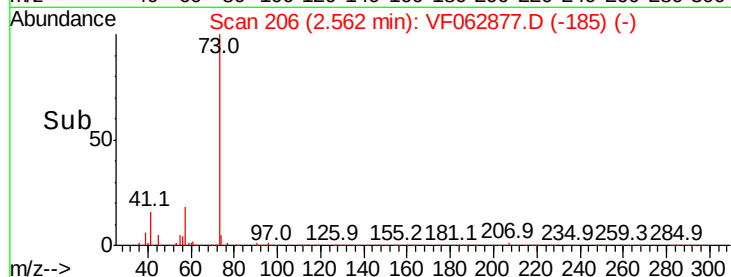
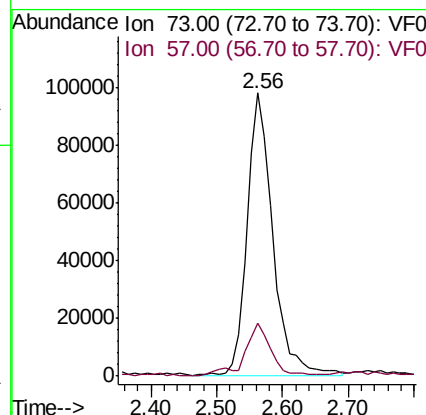
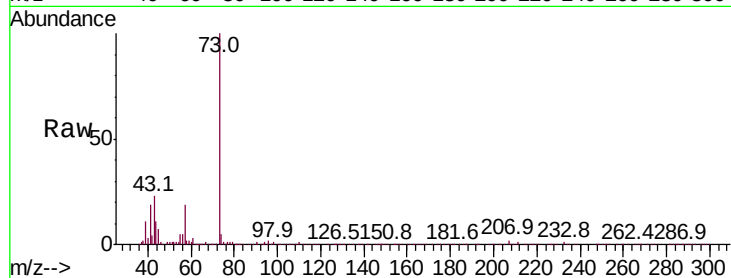
#19
Methyl tert-butyl Ether
Concen: 20.964 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	15.1	22.7

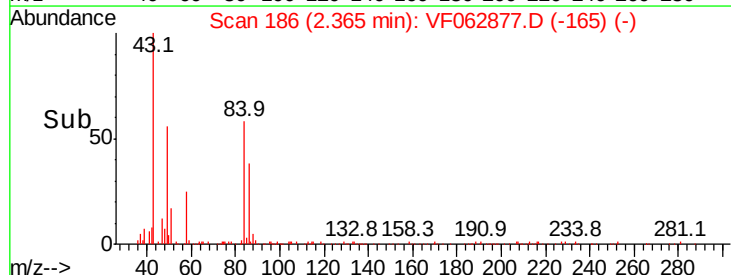
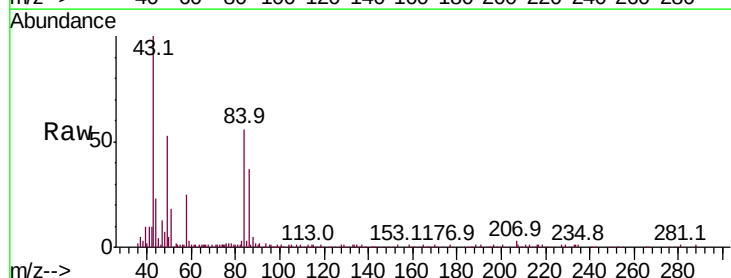
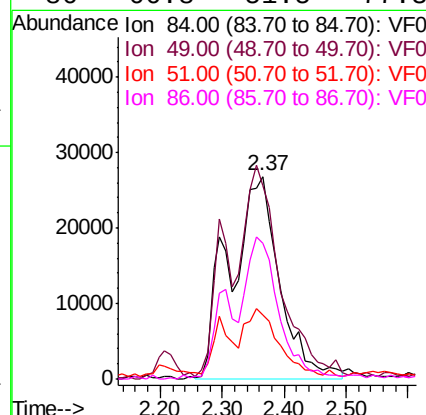
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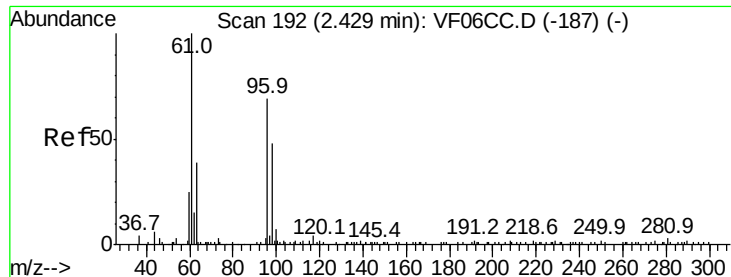
MMDadoda
6/7/2019 4:03:56 PM



#20
Methylene Chloride
Concen: 20.607 ug/l m
RT: 2.37 min Scan# 186
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	95.8	82.6	123.8
51	31.4	25.0	37.4
86	66.8	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 21.058 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

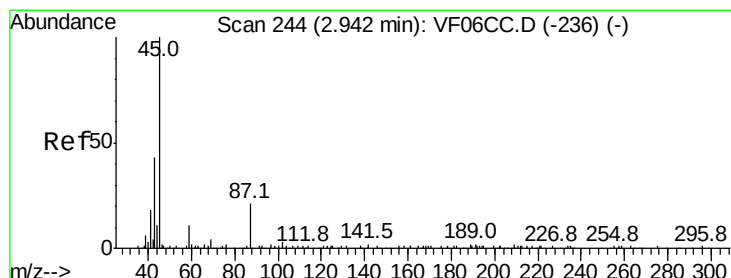
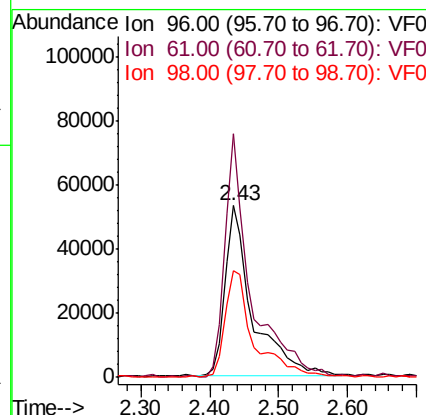
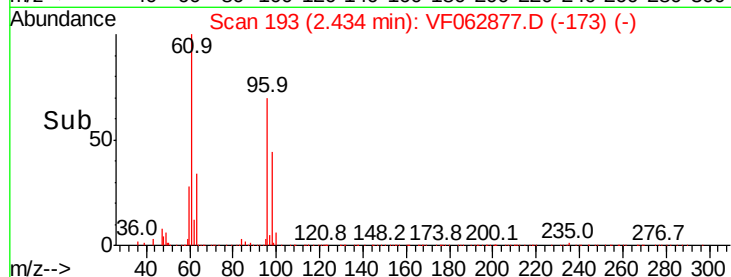
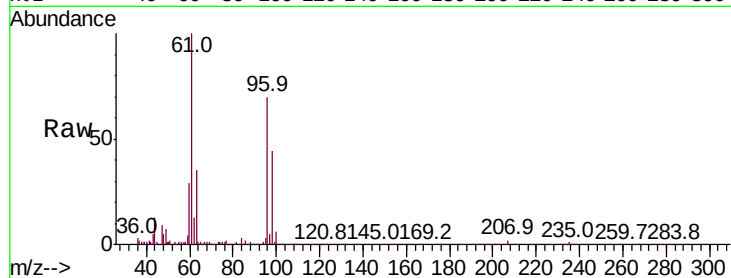
ClientSampleId :

VF0606SBS01

Tot Ion:	96	Resp:	148227
Ion	Ratio	Lower	Upper
96	100		
61	142.0	105.0	157.6
98	62.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.420 ug/l

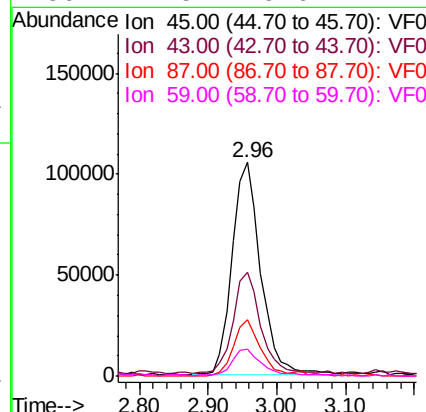
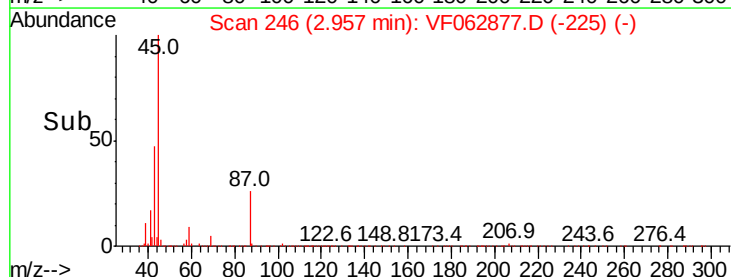
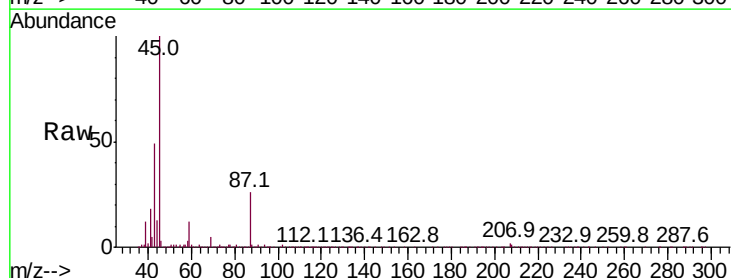
RT: 2.96 min Scan# 246

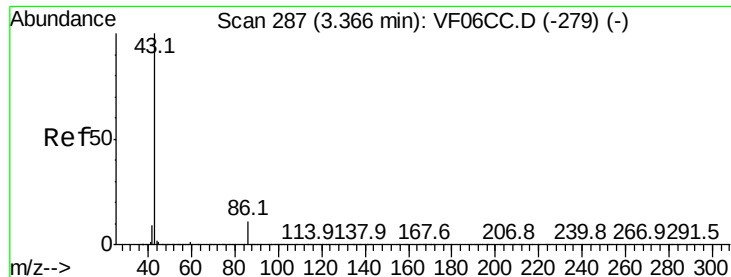
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	45	Resp:	300504
Ion	Ratio	Lower	Upper
45	100		
43	48.7	34.3	51.5
87	26.4	19.0	28.4
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 104.650 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

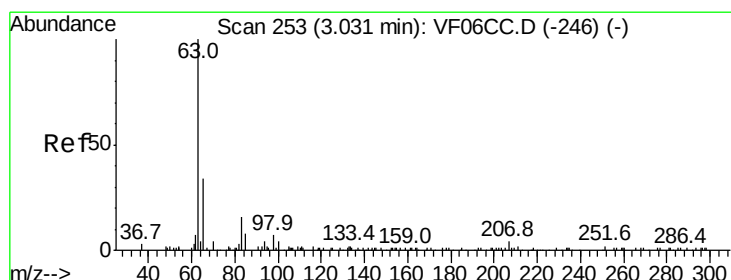
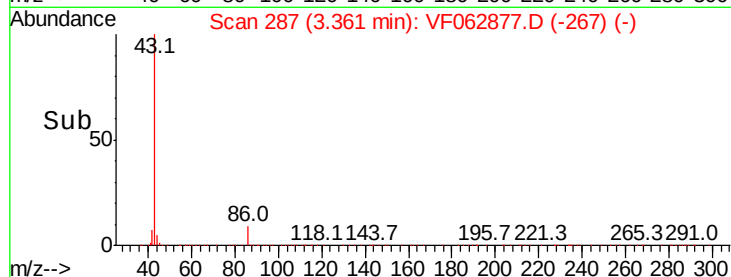
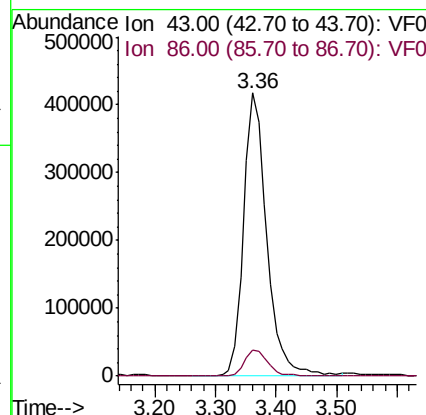
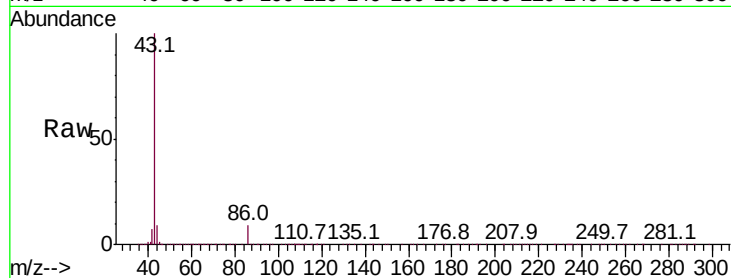
Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion: 43 Resp: 1108602

Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.2	12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.860 ug/l

RT: 3.03 min Scan# 253

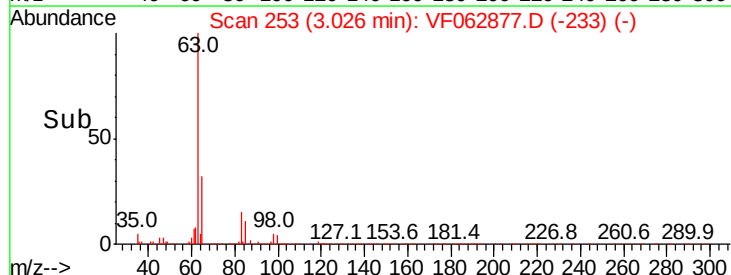
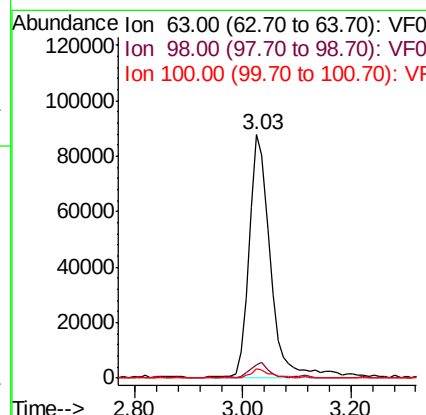
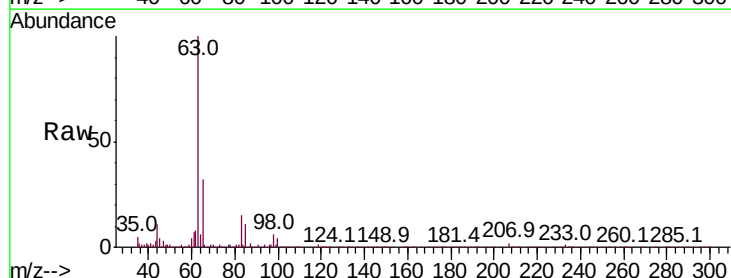
Delta R.T. -0.01 min

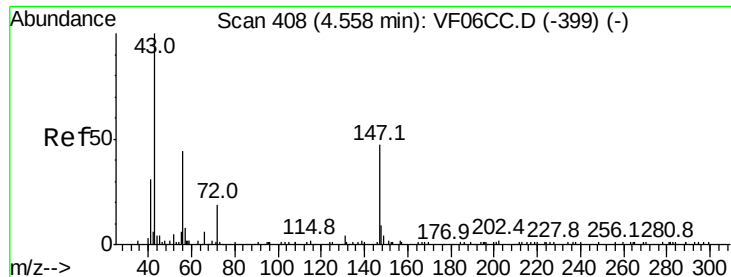
Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion: 63 Resp: 241000

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.4	7.1
100	3.6	1.5	4.5





#25

2-Butanone

Concen: 101.261 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 43 Resp: 315304

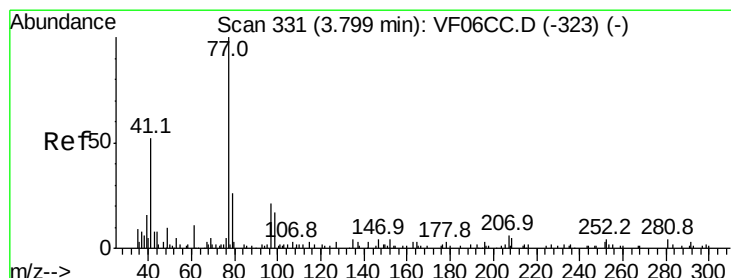
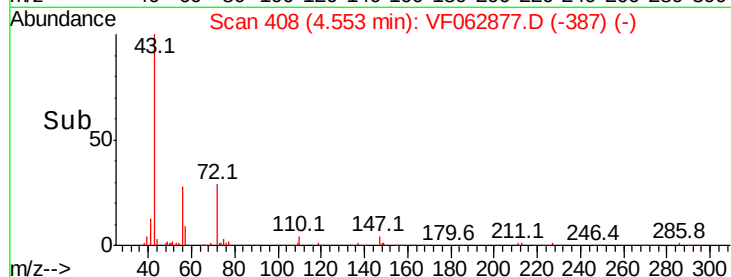
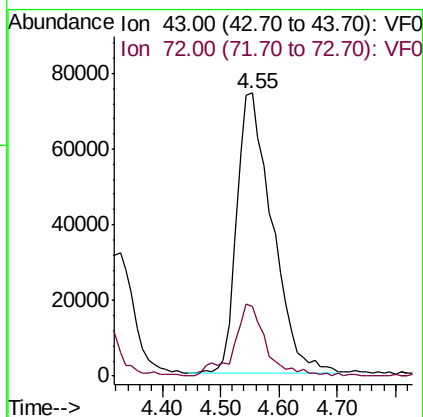
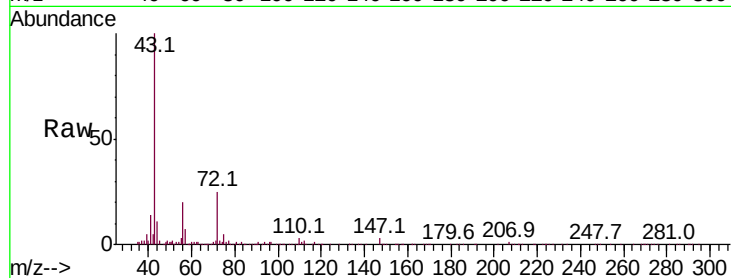
Ion Ratio Lower Upper

43 100

72 24.5 21.4 32.0

Manual Integrations
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6/7/2019 4:03:56 PM



#26

2,2-Dichloropropane

Concen: 20.292 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.01 min

Lab File: VF062877.D

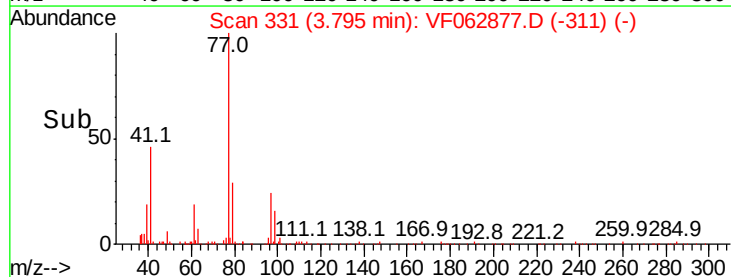
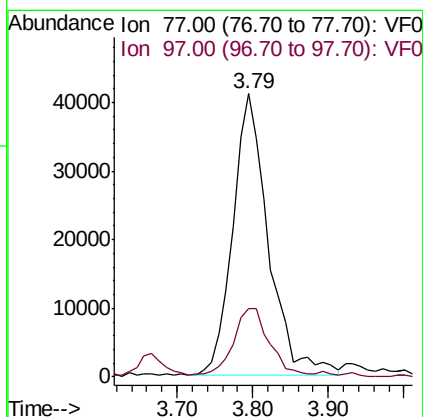
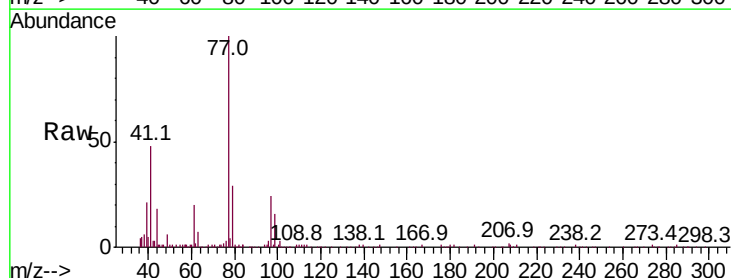
Acq: 6 Jun 2019 12:39

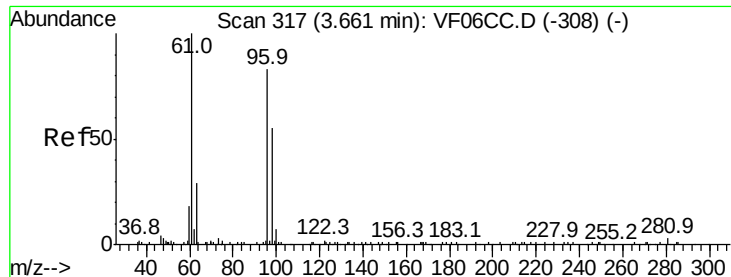
Tgt Ion: 77 Resp: 133116

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.4





#27

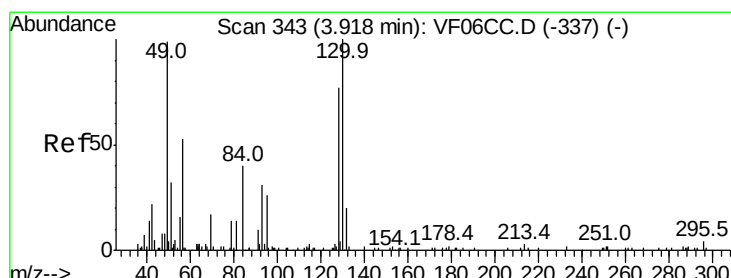
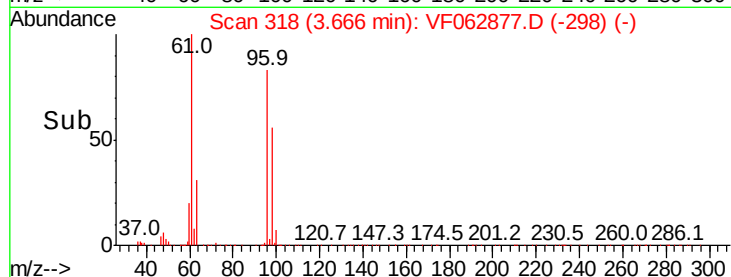
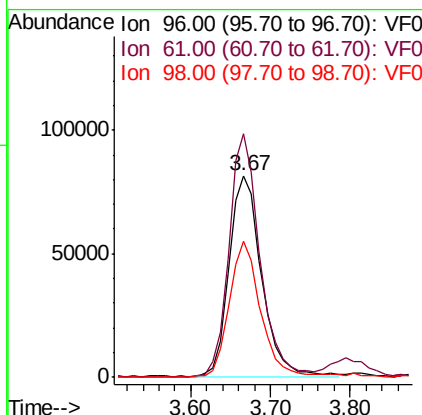
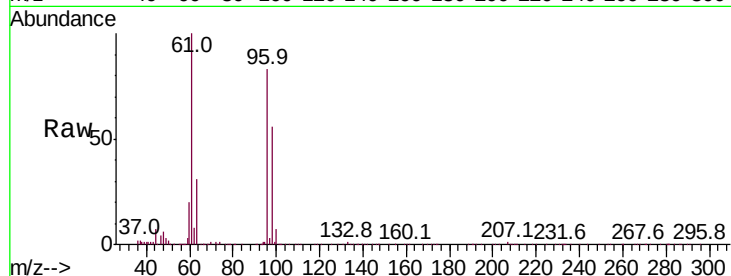
cis-1,2-Dichloroethene
Concen: 19.600 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231912		
61	120.8		0.0	213.8
98	67.3		0.0	127.0

Manual Integrations
APPROVED

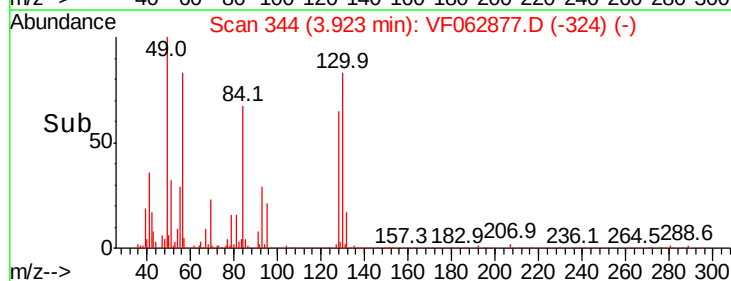
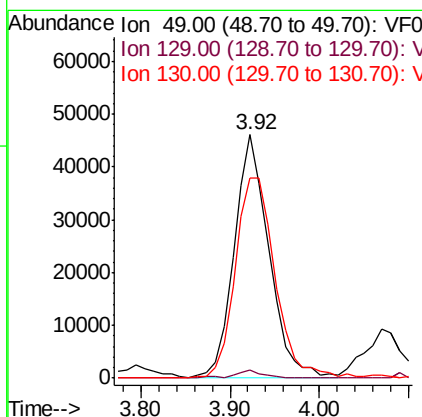
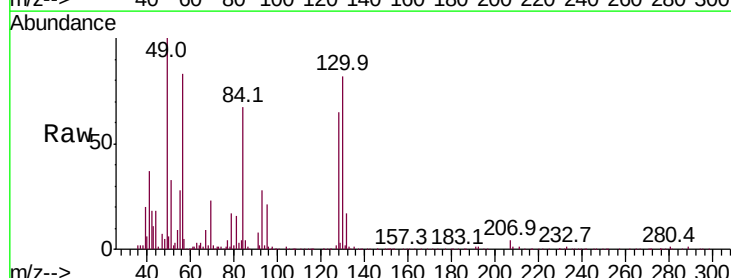
MMDadoda
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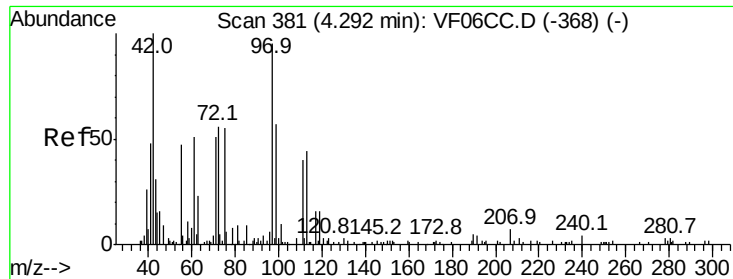


#28

Bromochloromethane
Concen: 19.728 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123981		
129	3.1		0.0	5.4
130	82.2		79.2	118.8





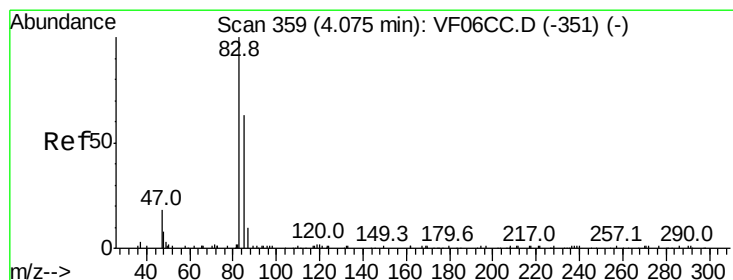
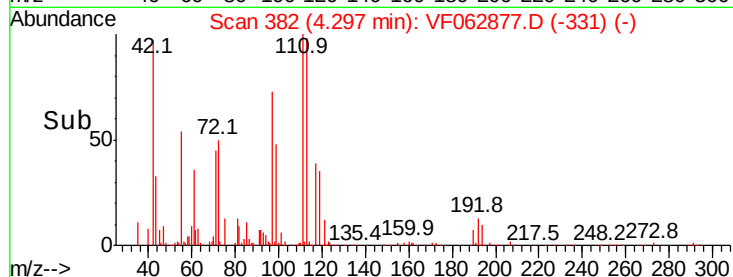
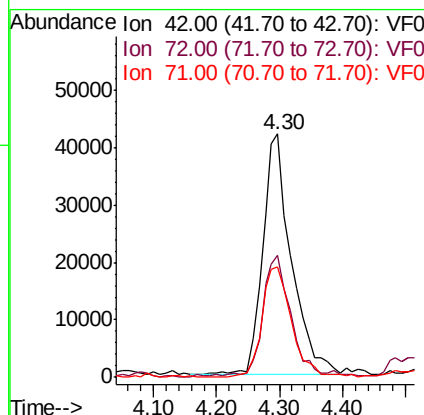
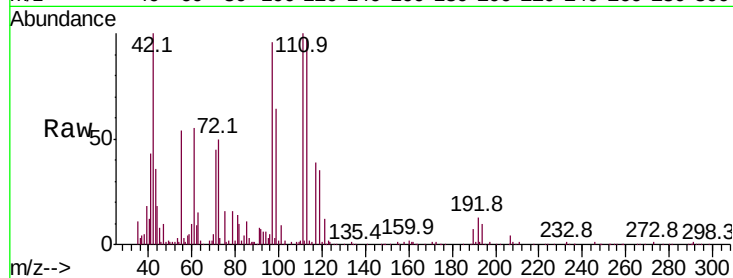
#29
Tetrahydrofuran
Concen: 111.028 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.4	39.0	58.6
71	48.3	36.9	55.3

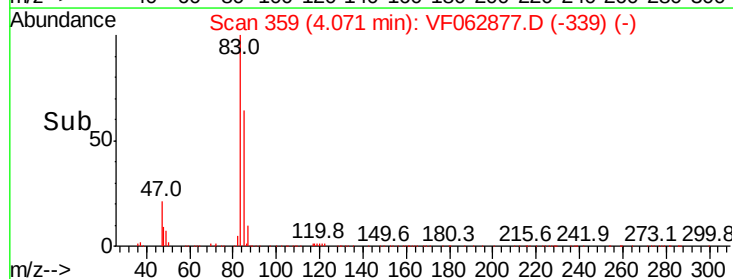
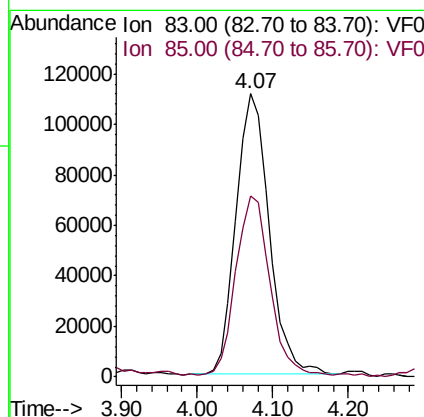
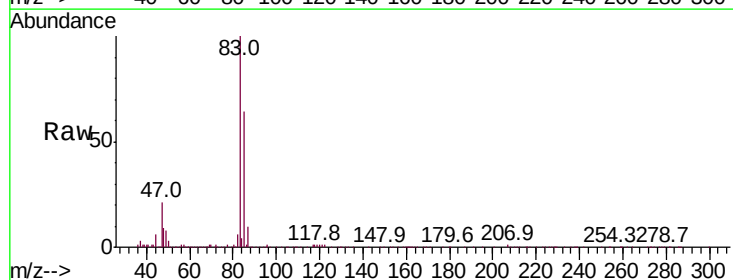
Manual Integrations
APPROVED

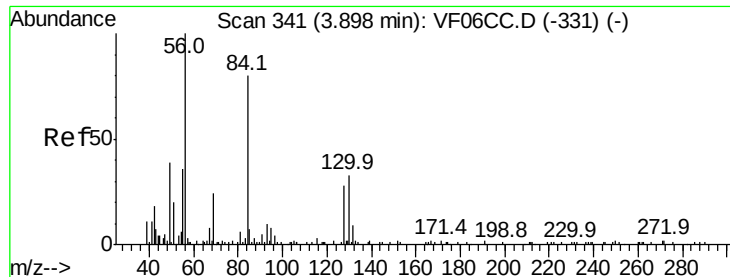
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#30
Chloroform
Concen: 20.761 ug/l
RT: 4.07 min Scan# 359
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	55.0	82.6





#31

Cyclohexane

Concen: 19.438 ug/l

RT: 3.89 min Scan# 341

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

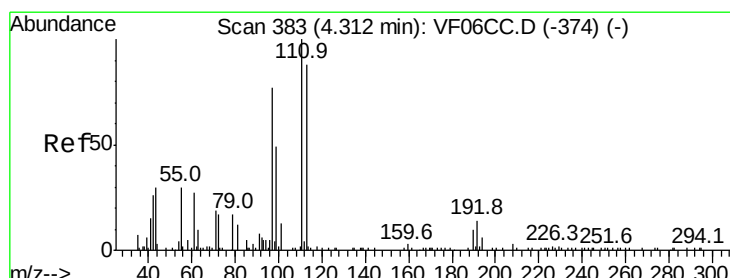
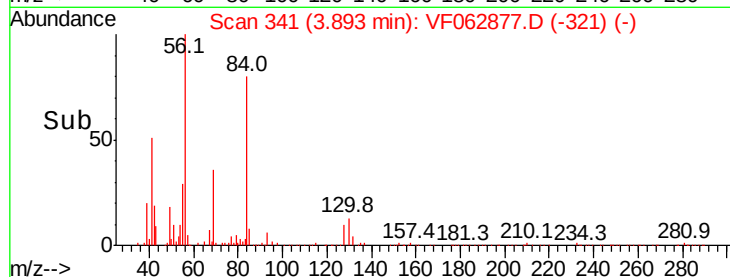
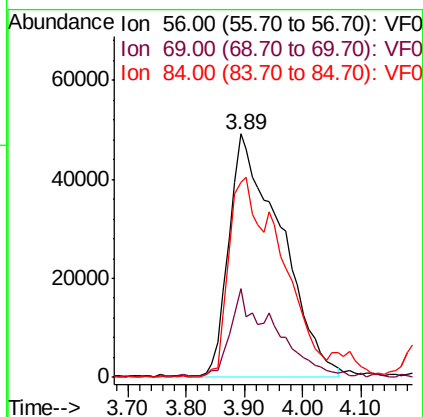
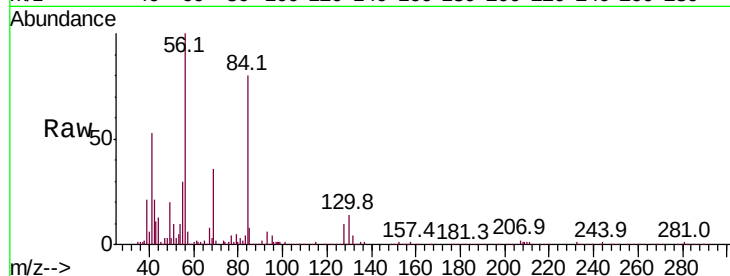
ClientSampleId :

VF0606SBS01

Tot Ion:	56	Resp:	304048
Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.7	40.1
84	80.0	74.3	111.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.386 ug/l

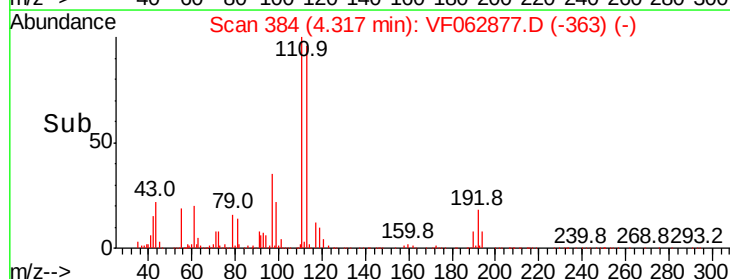
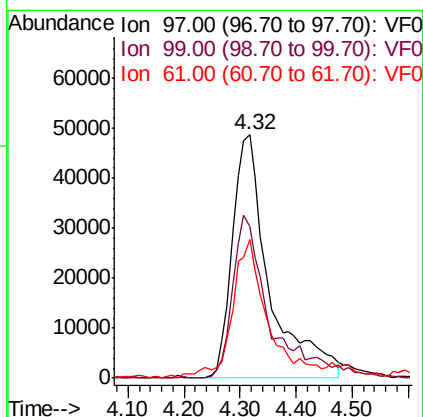
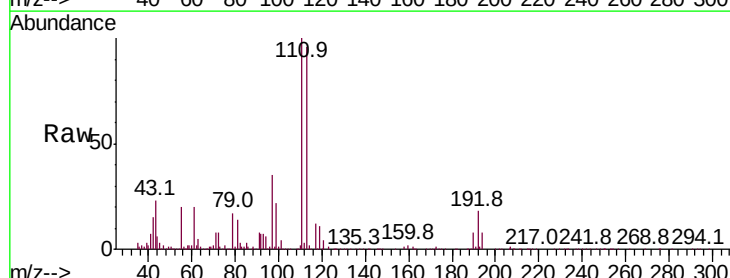
RT: 4.32 min Scan# 384

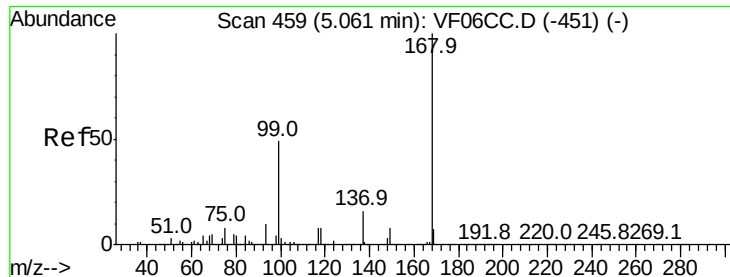
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	97	Resp:	221704
Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.7	77.5
61	56.8	38.9	58.3





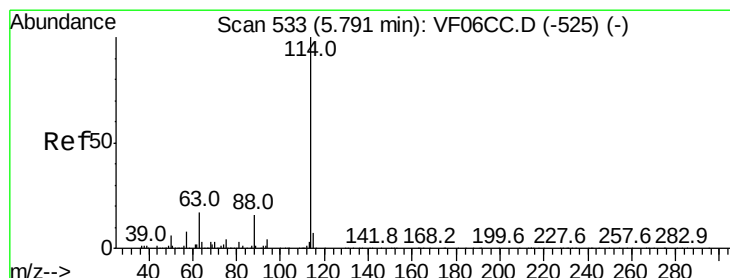
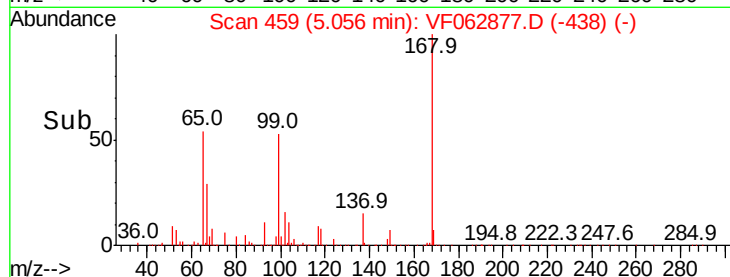
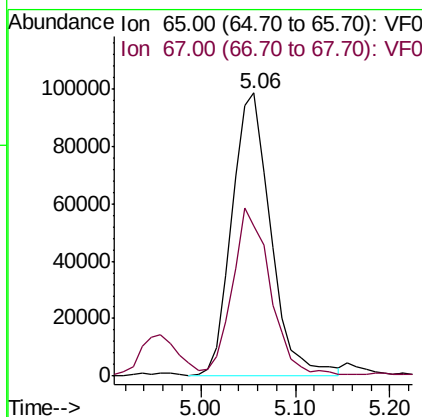
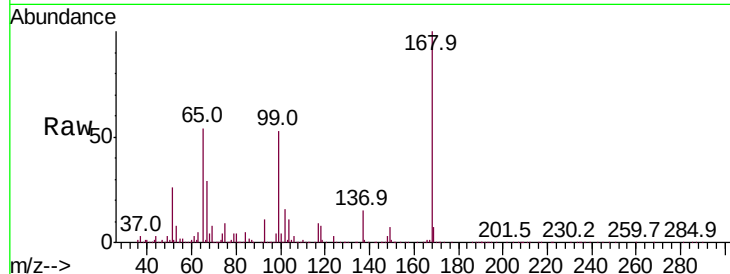
#33
 1,2-Dichloroethane-d4
 Concen: 48.089 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	280930		
67	53.0	0.0	121.2	

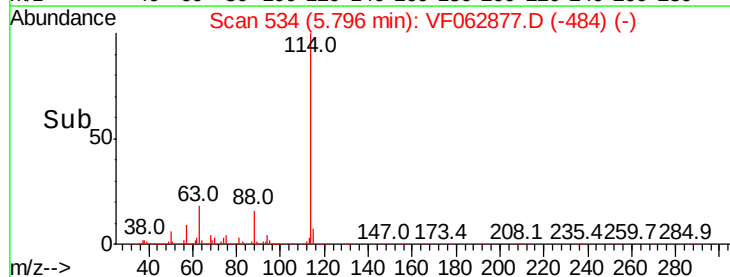
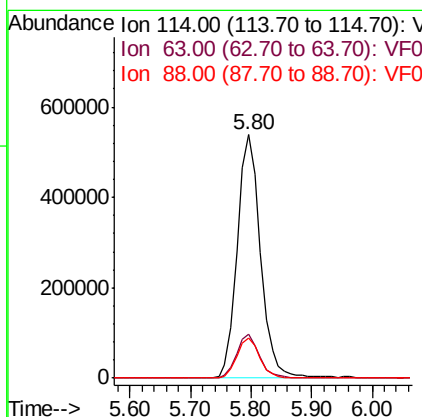
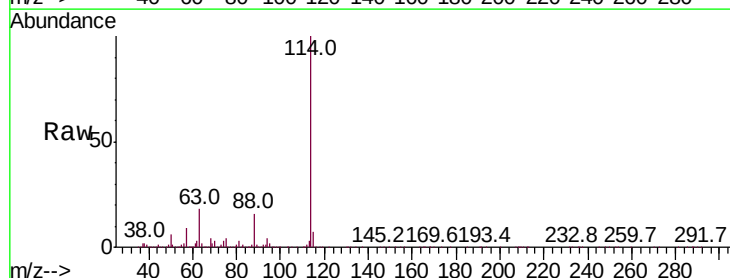
Manual Integrations
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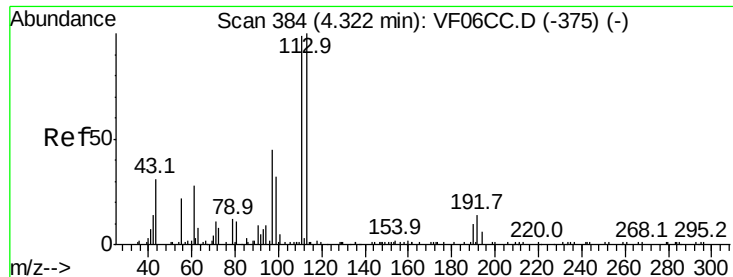
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1439461		
63	18.0	0.0	34.2	
88	16.5	0.0	31.2	





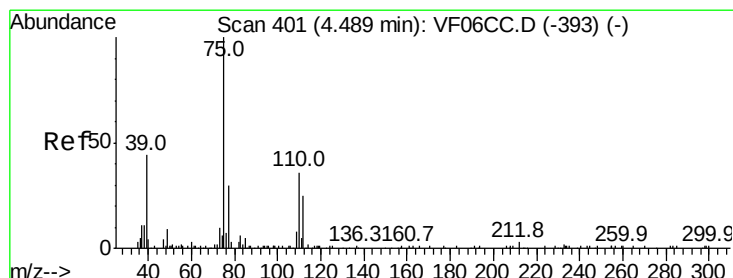
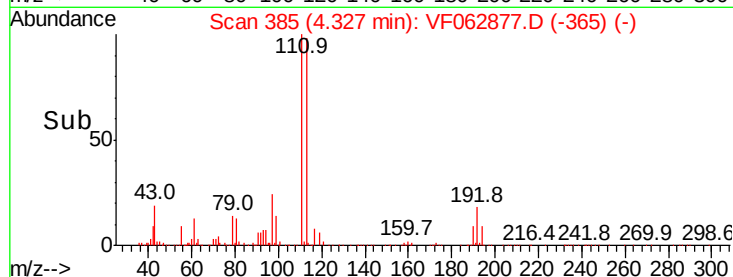
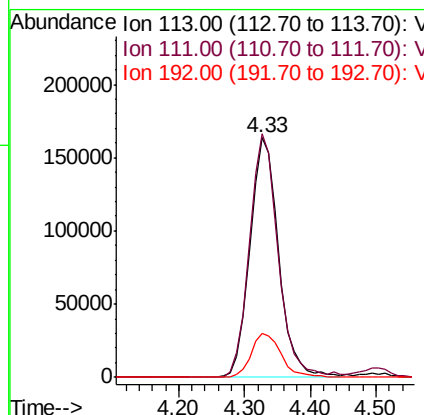
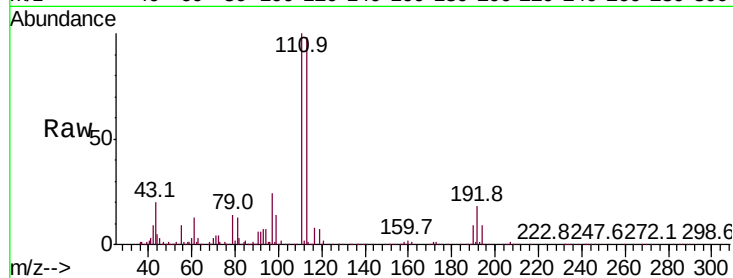
#35
Dibromofluoromethane
Concen: 46.103 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	501472		
111	101.6	81.9	122.9	
192	18.6	15.1	22.7	

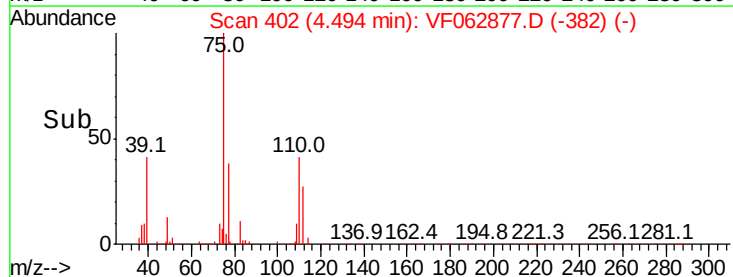
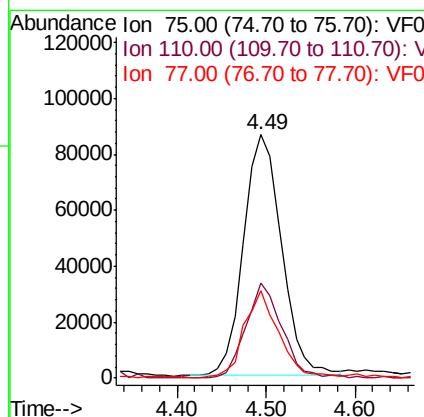
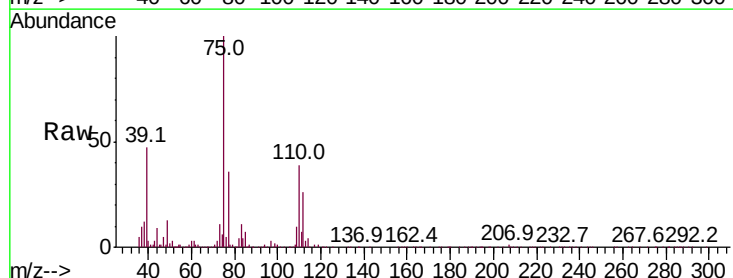
Manual Integrations
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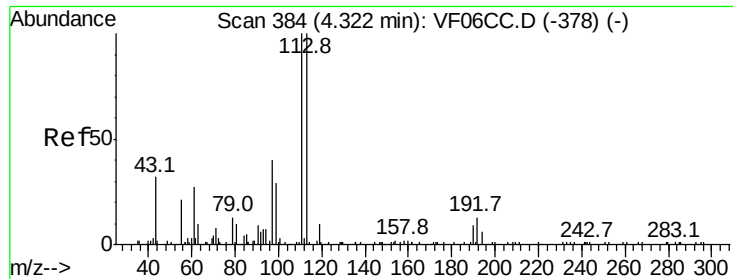
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#36
1,1-Dichloropropene
Concen: 19.254 ug/l
RT: 4.49 min Scan# 402
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	255146		
110	38.9	19.4	58.1	
77	35.8	25.4	38.2	





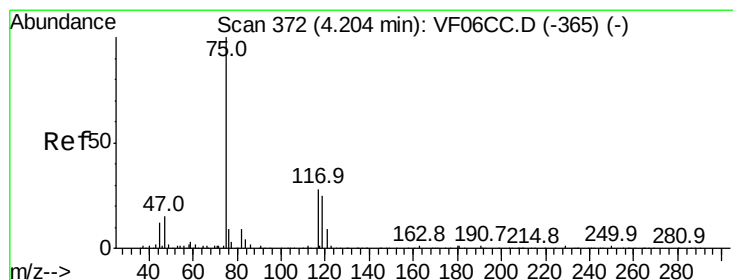
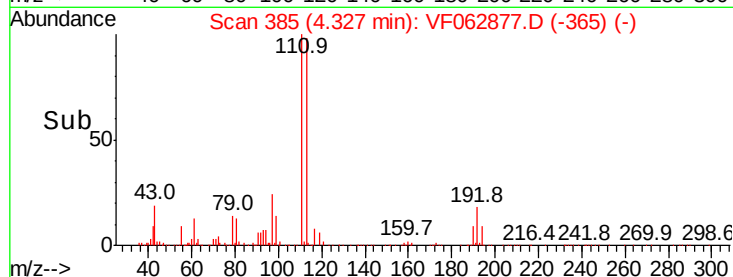
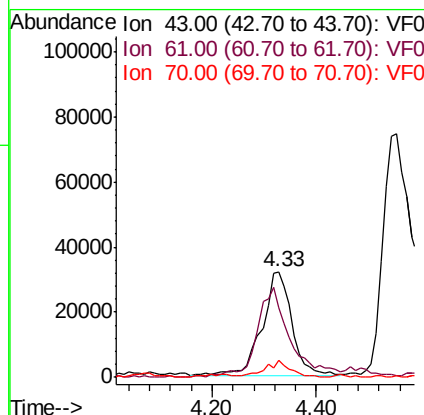
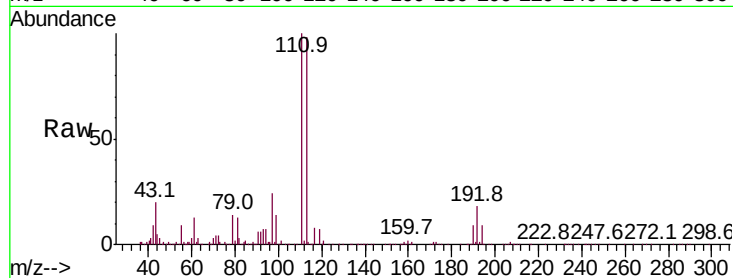
#37
Ethyl Acetate
Concen: 25.239 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	66.3	59.1	88.7
70	16.2	10.1	15.1

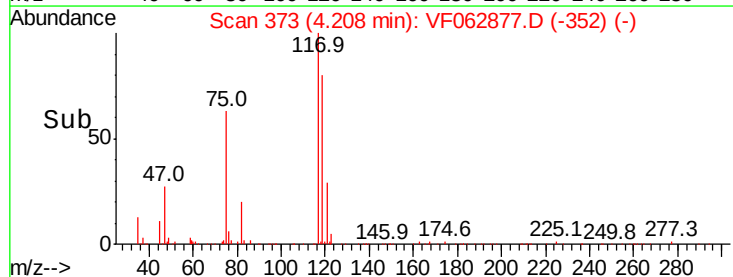
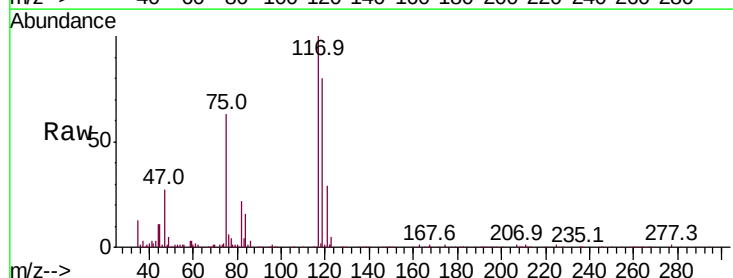
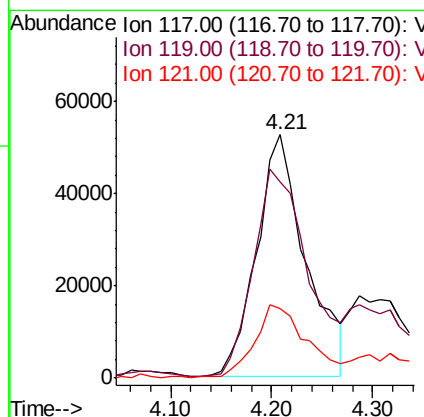
Manual Integrations
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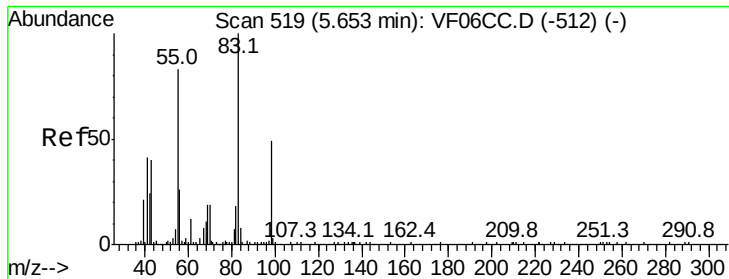
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#38
Carbon Tetrachloride
Concen: 19.810 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	80.4	78.2	117.2
121	28.6	28.2	42.2





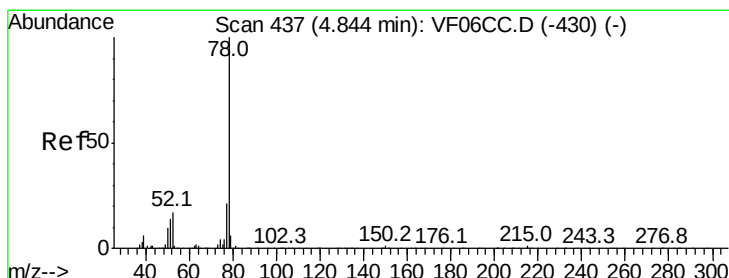
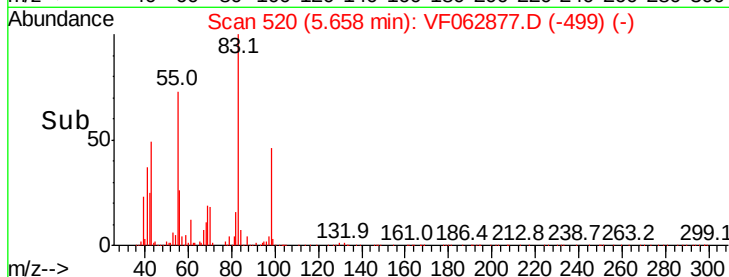
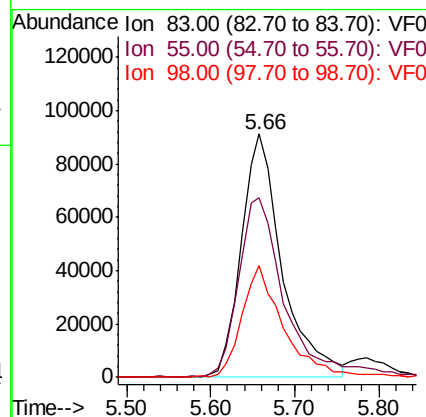
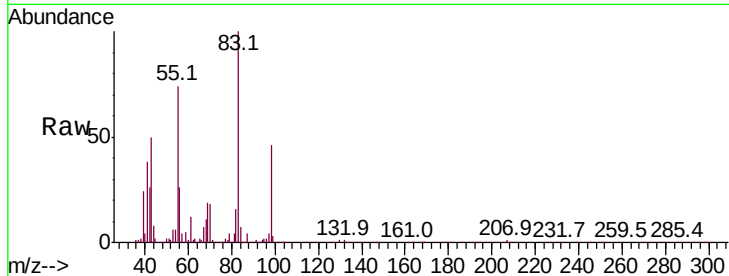
#39
Methylcyclohexane
Concen: 18.757 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	61.6	92.4
98	46.0	37.4	56.2

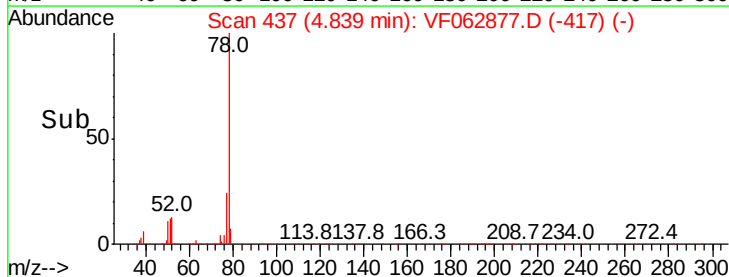
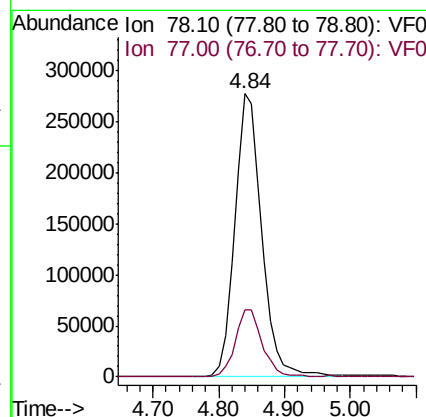
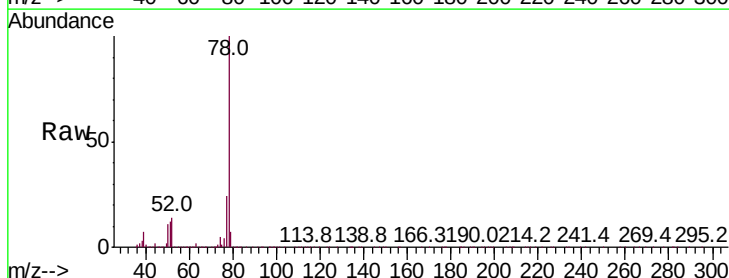
Manual Integrations
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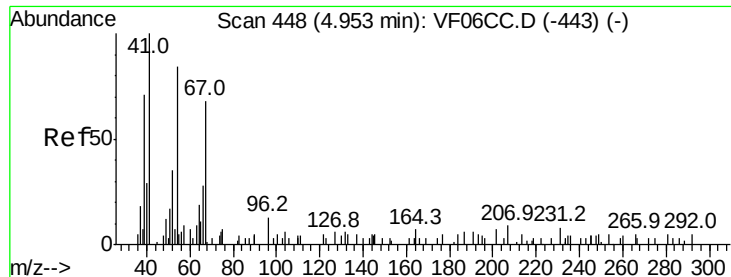
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#40
Benzene
Concen: 20.597 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





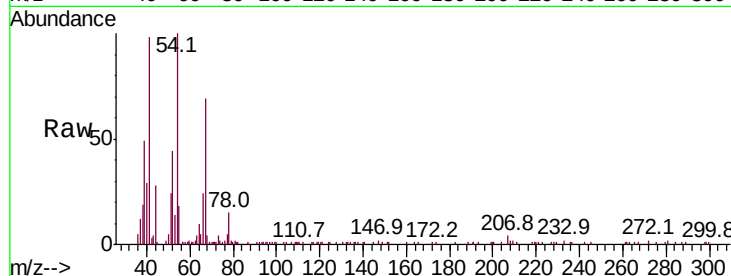
#41
Methacrylonitrile
Concen: 20.938 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

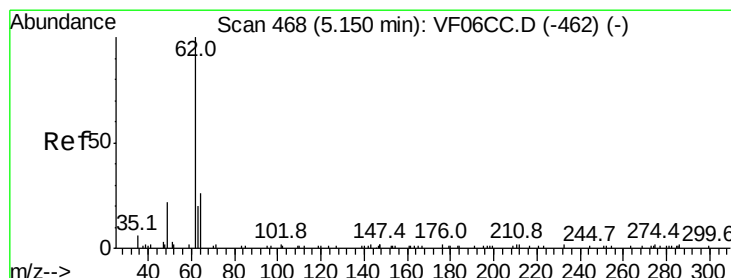
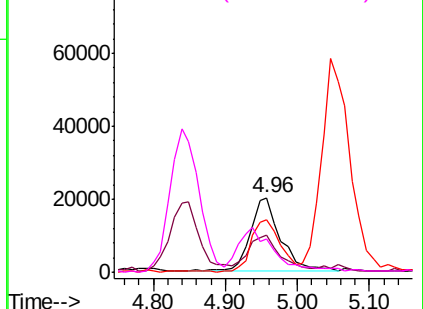
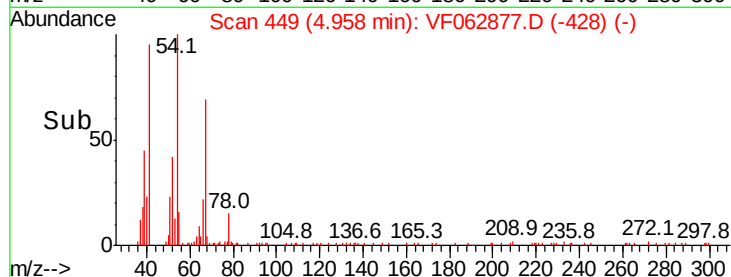
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58962		
39	50.2	42.0	63.0		
67	70.8	61.4	92.0		
52	44.8	42.1	63.1		

Manual Integrations
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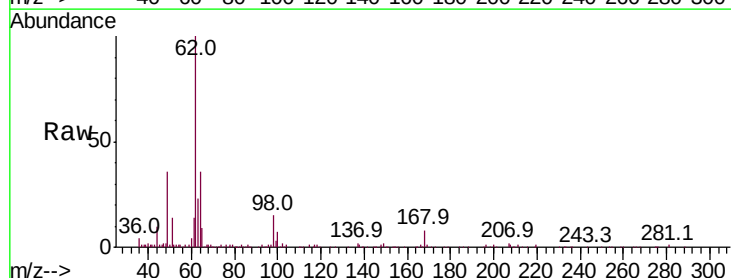


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

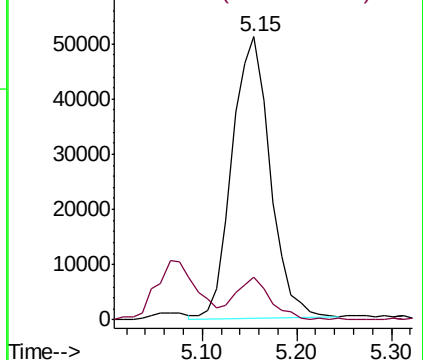
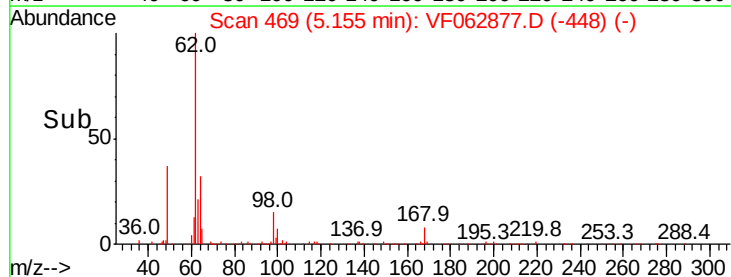


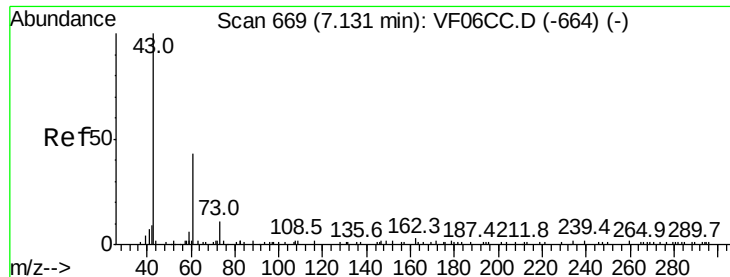
#42
1,2-Dichloroethane
Concen: 19.250 ug/l
RT: 5.15 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		141201		
98	15.1	0.0	24.0		



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





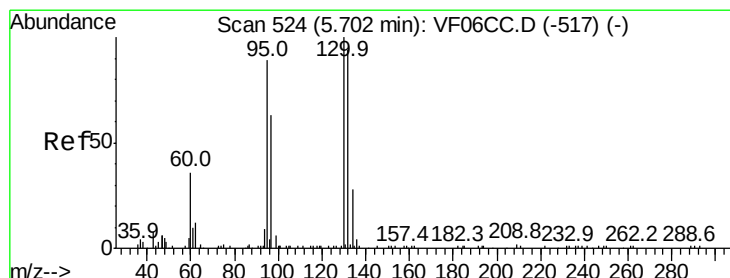
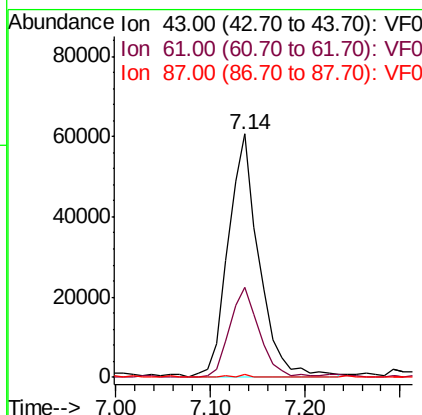
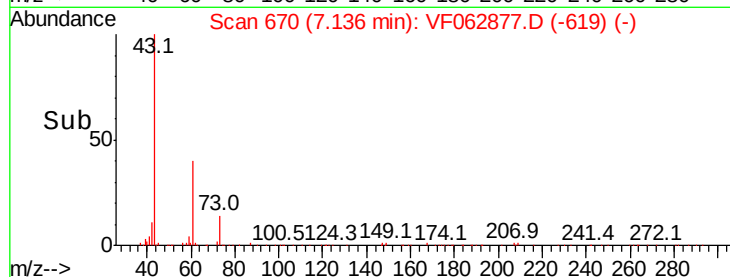
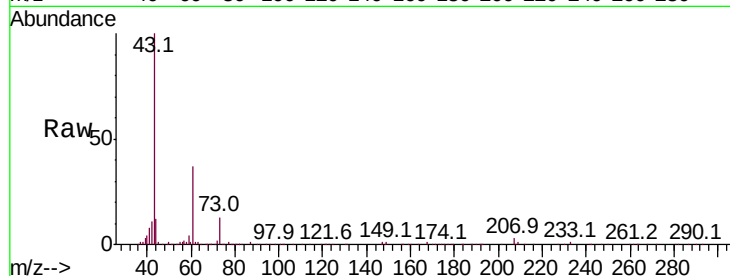
#43
Isopropyl Acetate
Concen: 20.199 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.1	29.8	44.6
87	1.0	0.3	0.5

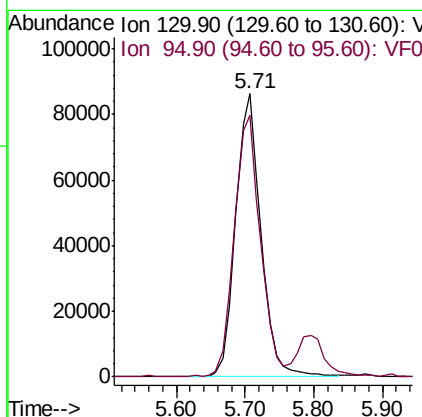
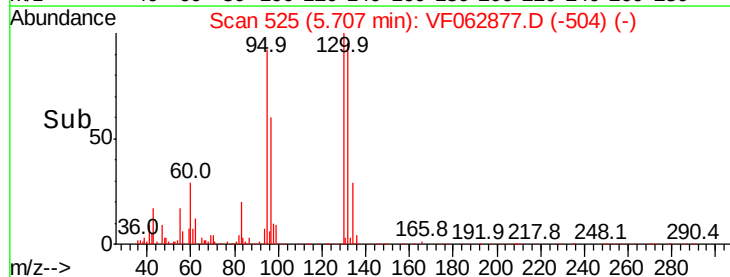
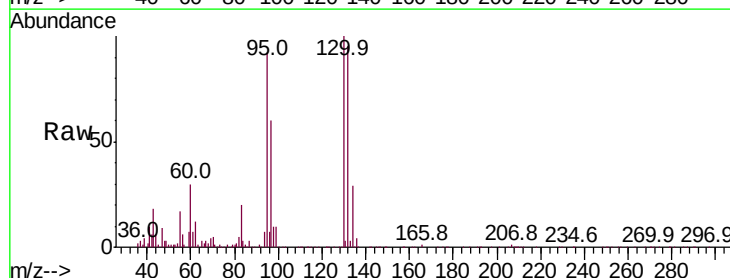
Manual Integrations
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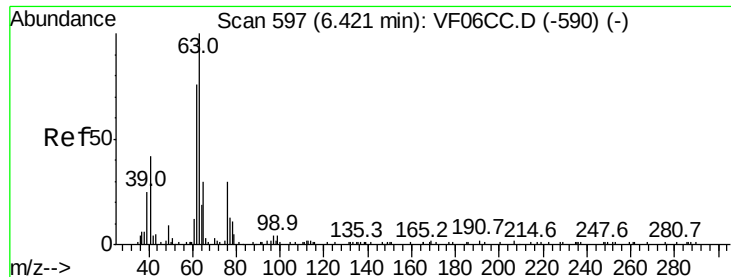
MMDadoda
6/7/2019 4:03:56 PM



#44
Trichloroethene
Concen: 20.148 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	188.2





#45

1,2-Dichloropropane

Concen: 21.244 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 63 Resp: 205608

Ion Ratio Lower Upper

63 100

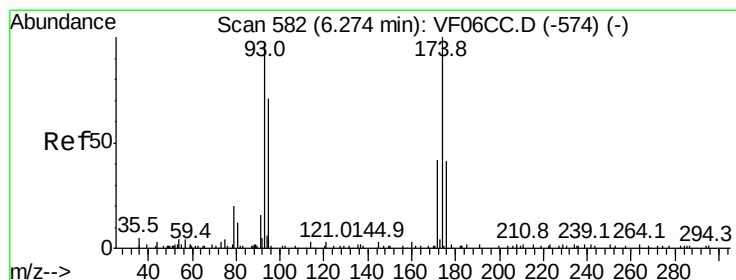
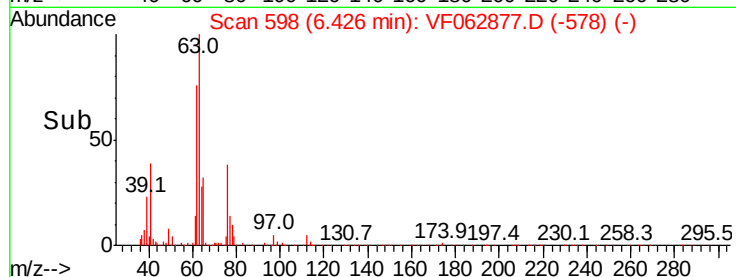
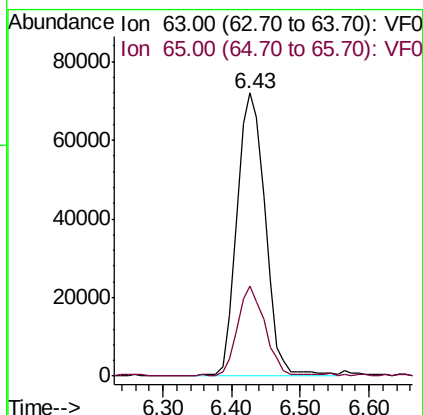
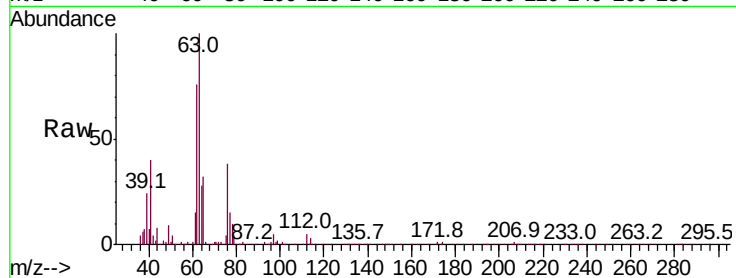
65 31.8 24.2 36.2

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#46

Dibromomethane

Concen: 21.277 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

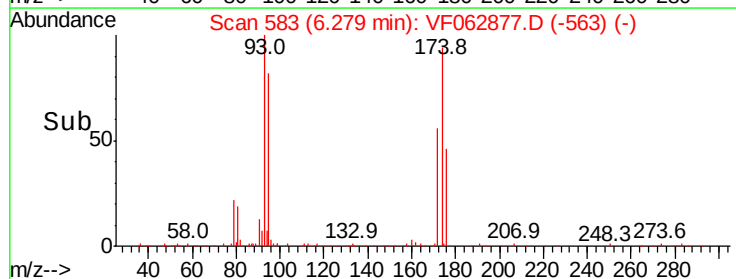
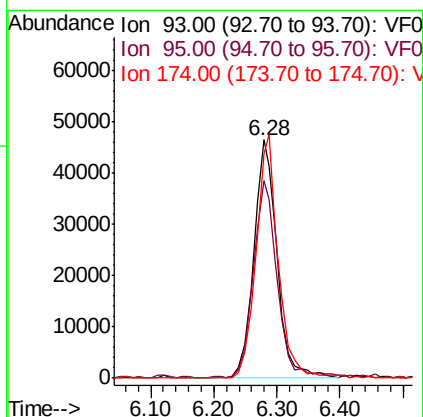
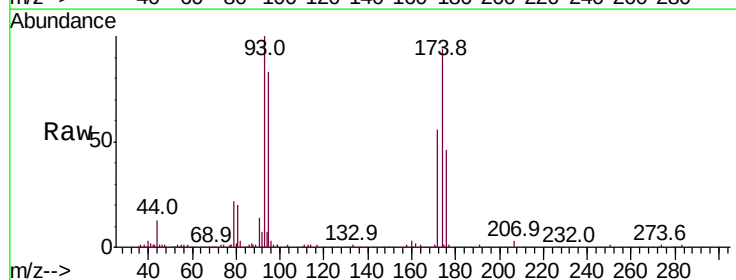
Tgt Ion: 93 Resp: 120229

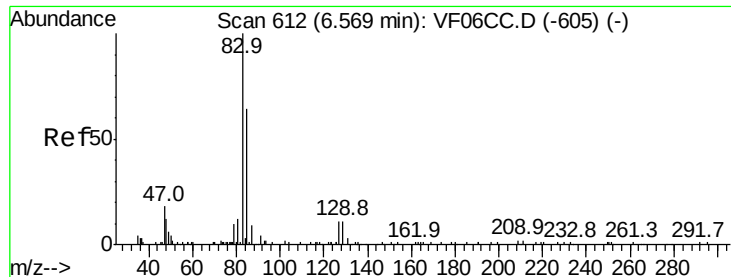
Ion Ratio Lower Upper

93 100

95 83.1 67.9 101.9

174 94.5 85.0 127.4





#47

Bromodichloromethane

Concen: 19.943 ug/l

RT: 6.57 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

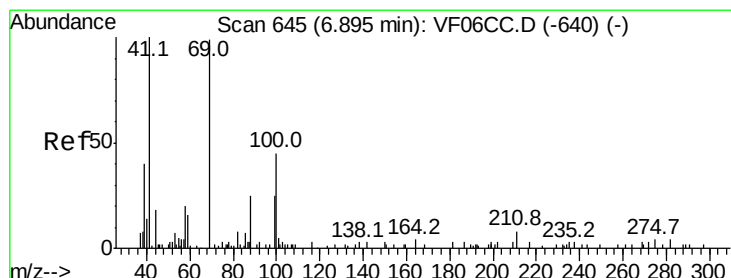
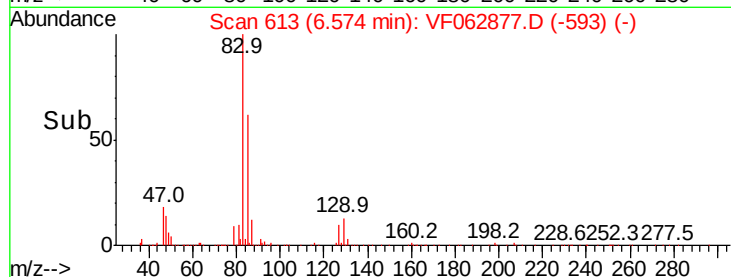
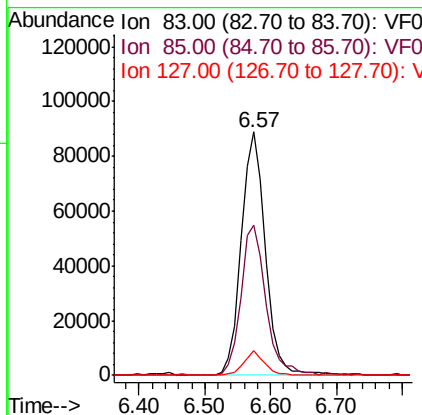
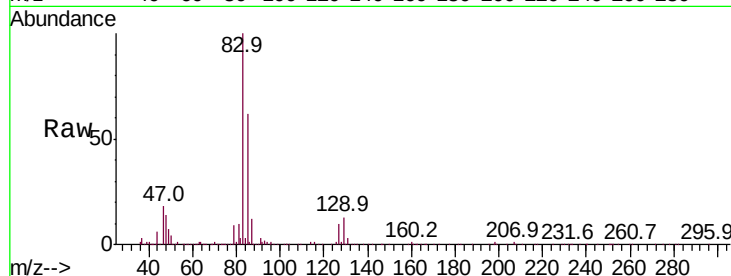
ClientSampleId :

VF0606SBS01

Tot Ion:	83	Resp:	229503
Ion	Ratio	Lower	Upper
83	100		
85	61.9	54.2	81.4
127	10.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.242 ug/l

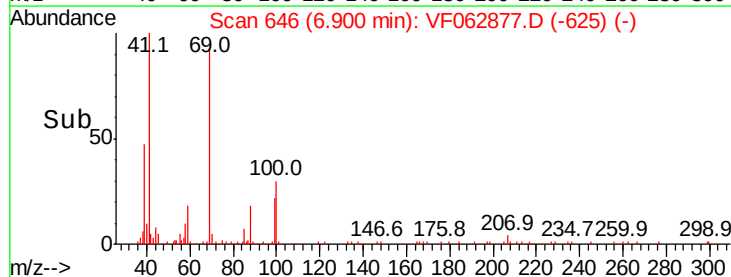
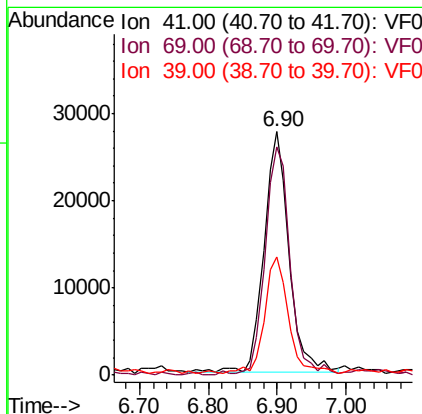
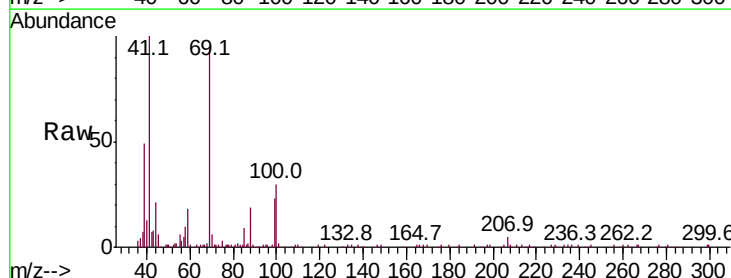
RT: 6.90 min Scan# 646

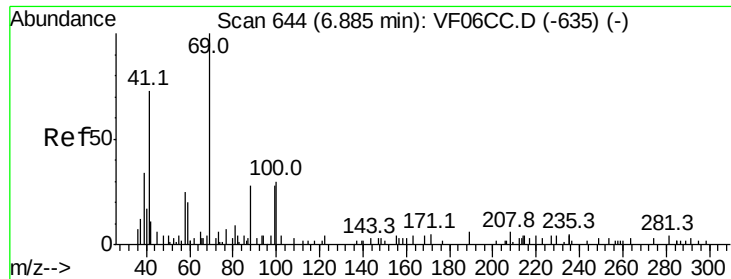
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	41	Resp:	69808
Ion	Ratio	Lower	Upper
41	100		
69	93.6	79.4	119.2
39	48.7	39.8	59.6





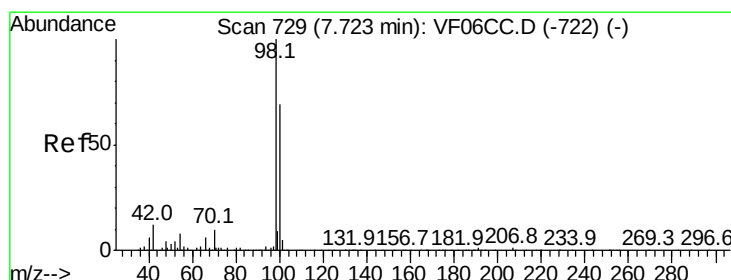
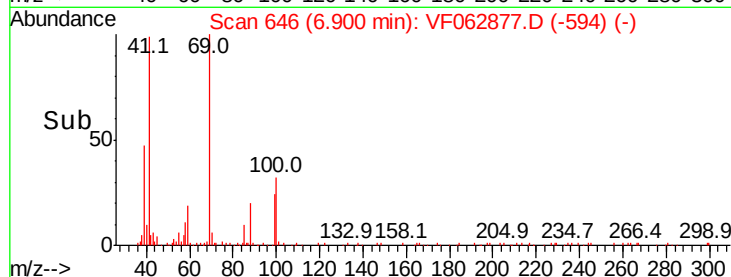
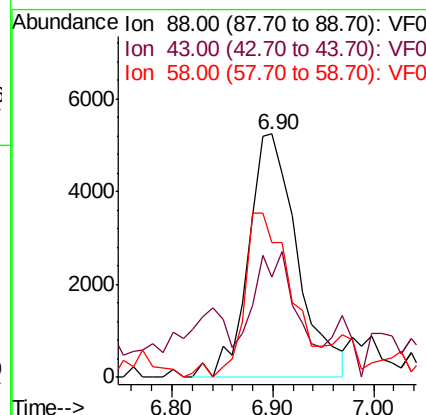
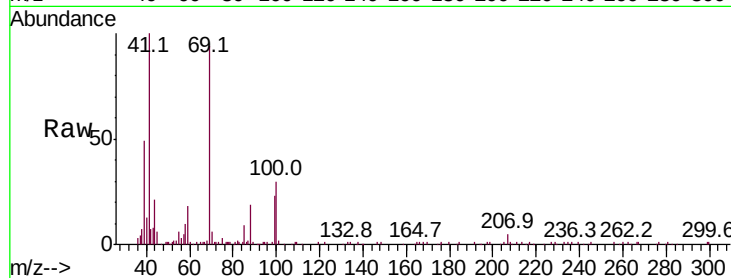
#49
1,4-Dioxane
Concen: 390.036 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	34.8	52.2
58	55.1	59.9	89.9#

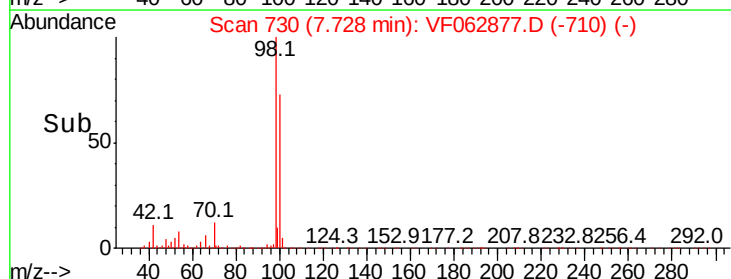
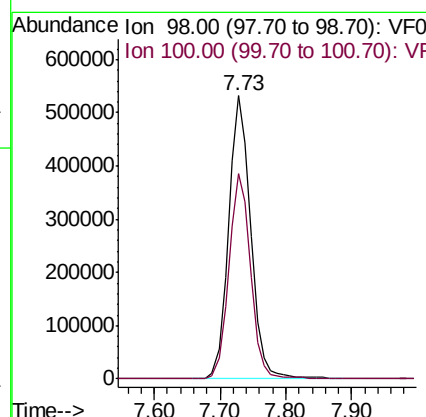
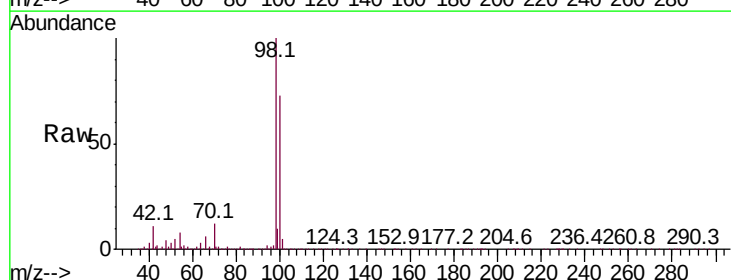
Manual Integrations
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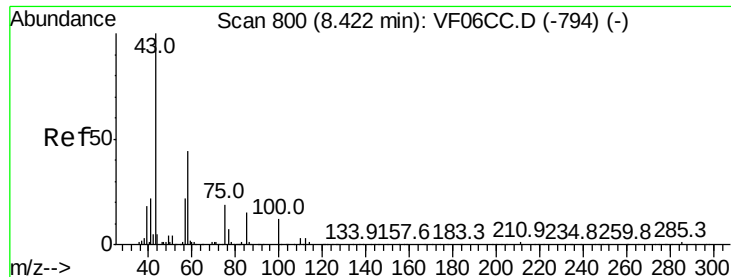
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#50
Toluene-d8
Concen: 45.503 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.6	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 109.440 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 43 Resp: 522845

Ion Ratio Lower Upper

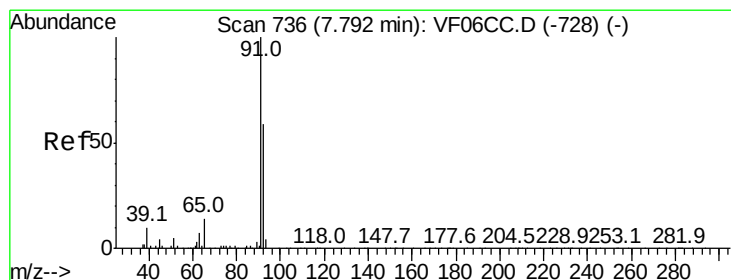
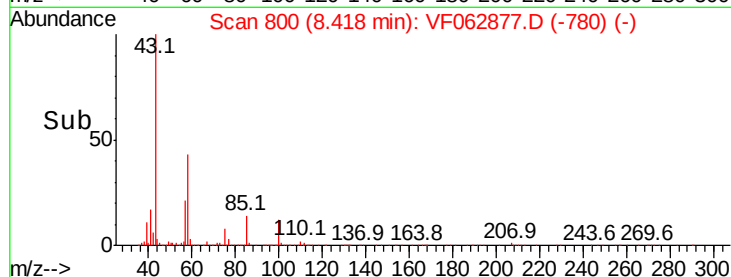
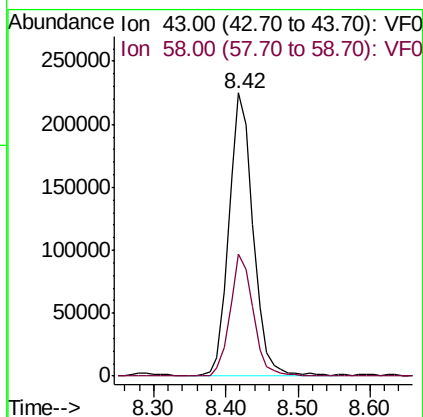
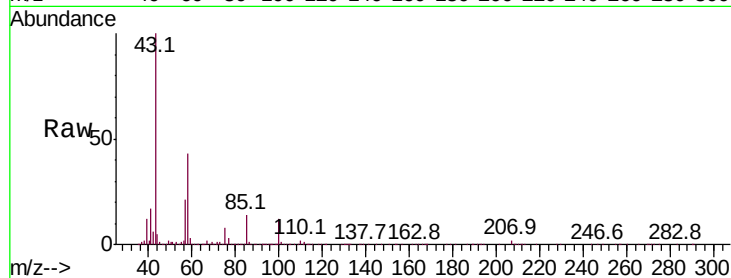
43 100

58 43.0 35.5 53.3

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#52

Toluene

Concen: 21.016 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062877.D

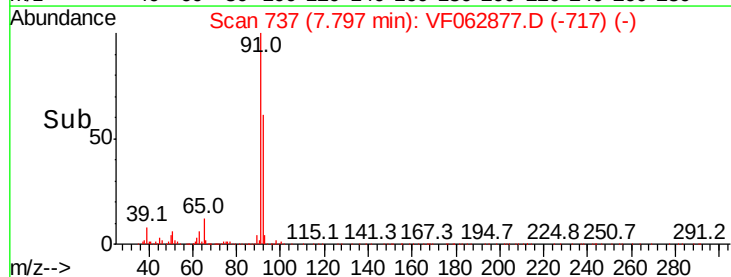
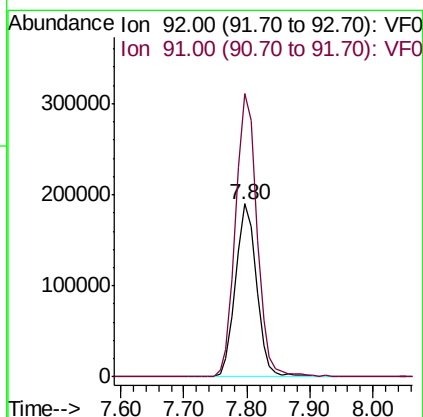
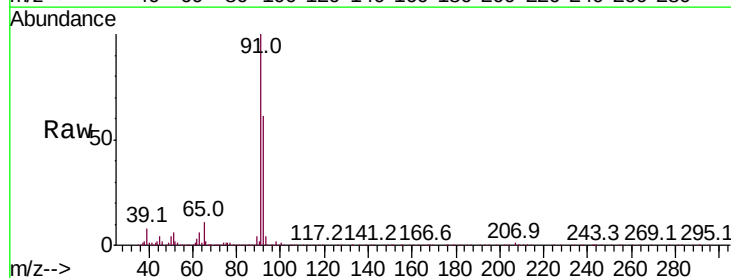
Acq: 6 Jun 2019 12:39

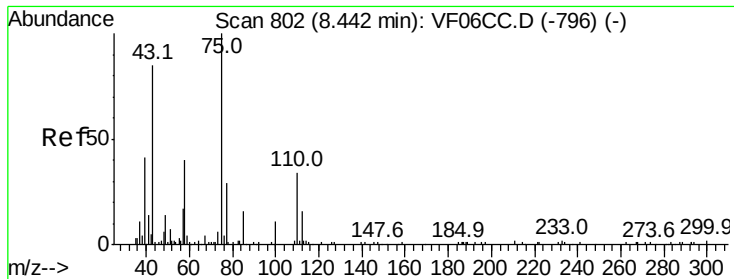
Tgt Ion: 92 Resp: 436565

Ion Ratio Lower Upper

92 100

91 163.6 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 20.469 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 75 Resp: 195187

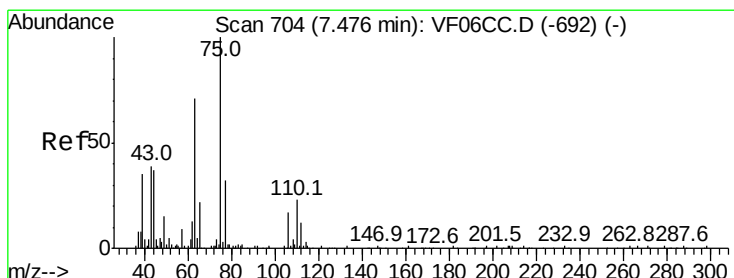
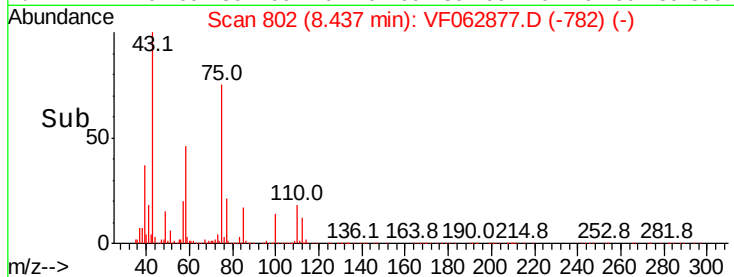
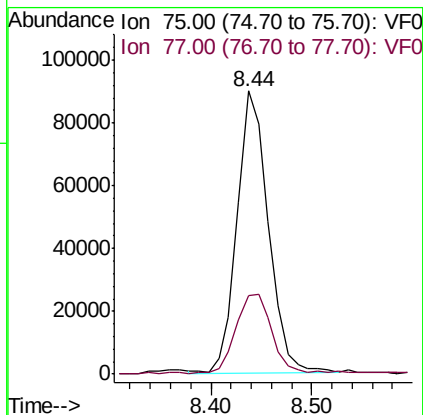
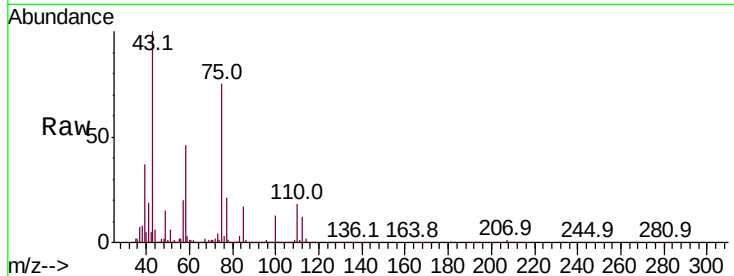
Ion Ratio Lower Upper

75 100

77 27.6 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.106 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

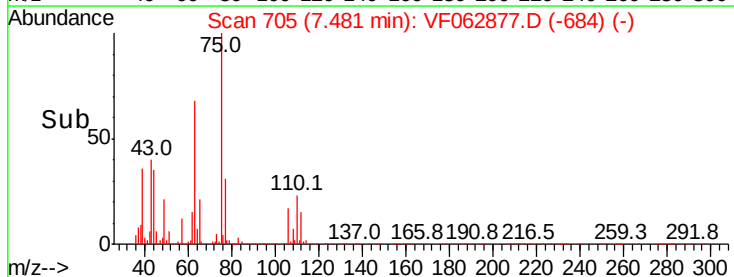
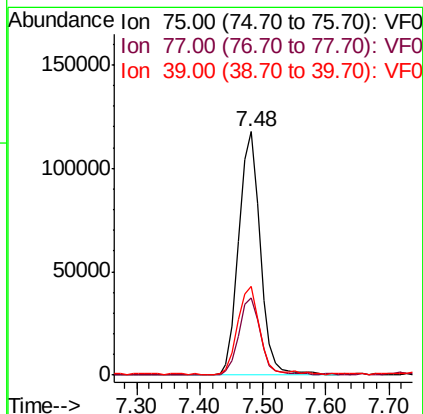
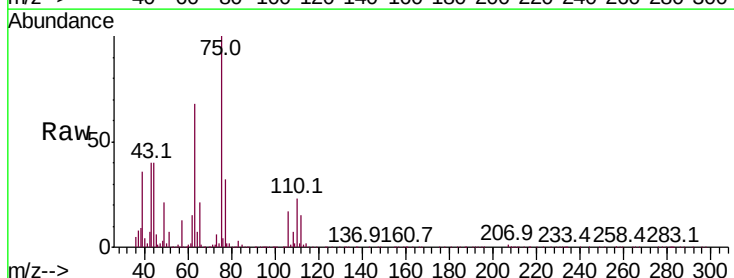
Tgt Ion: 75 Resp: 277526

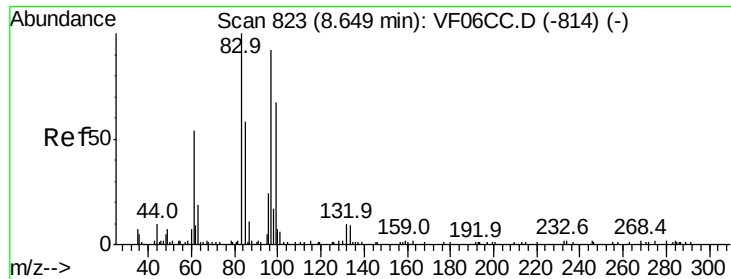
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 36.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 20.844 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

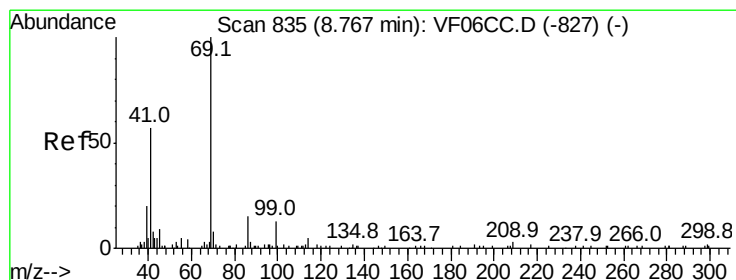
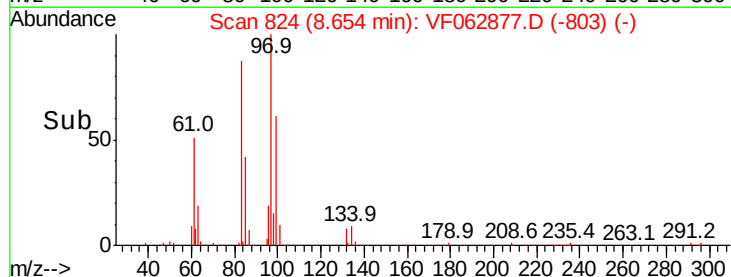
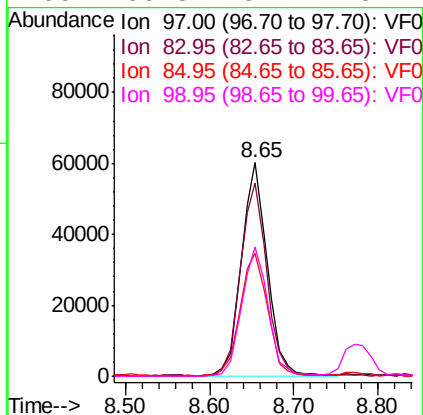
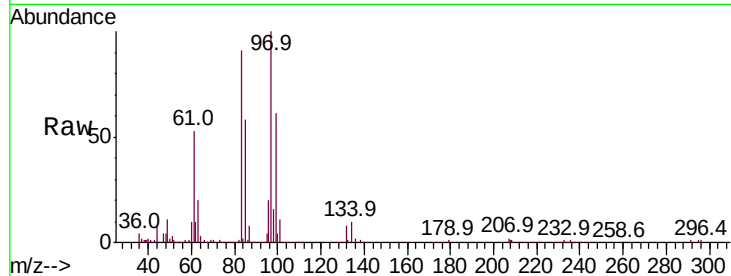
ClientSampleId :

VF0606SBS01

Tot Ion:	97	Resp:	129352
Ion	Ratio	Lower	Upper
97	100		
83	90.5	72.0	108.0
85	57.6	47.5	71.3
99	60.8	54.1	81.1

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#56

Ethyl methacrylate

Concen: 19.520 ug/l

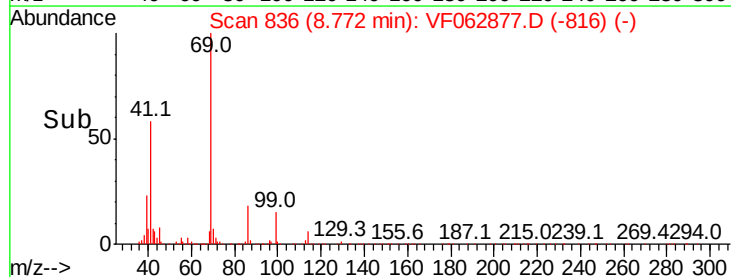
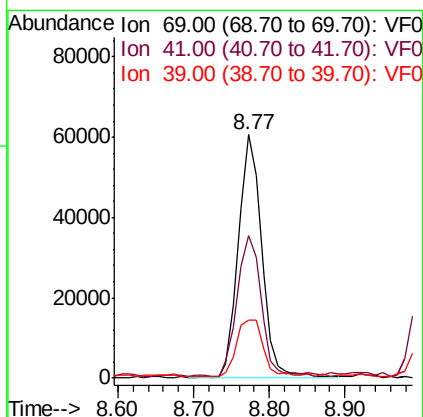
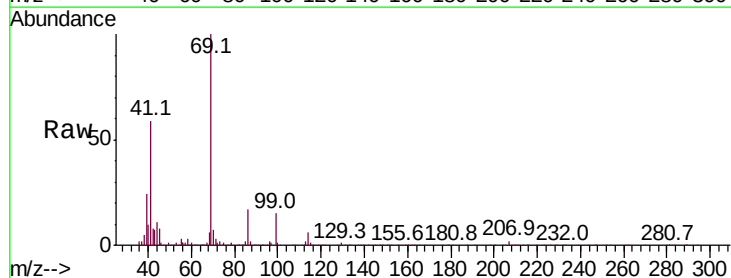
RT: 8.77 min Scan# 836

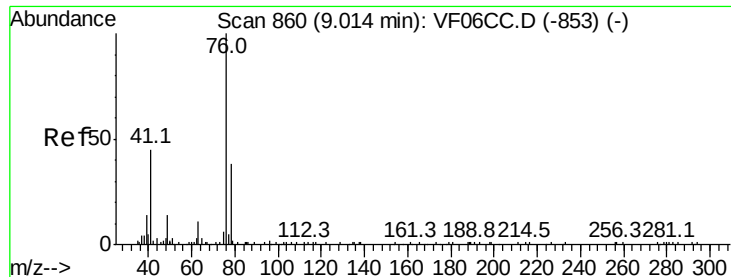
Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	69	Resp:	129978
Ion	Ratio	Lower	Upper
69	100		
41	58.7	46.6	69.8
39	23.8	19.6	29.4





#57

1,3-Dichloropropane

Concen: 22.250 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF062877.D

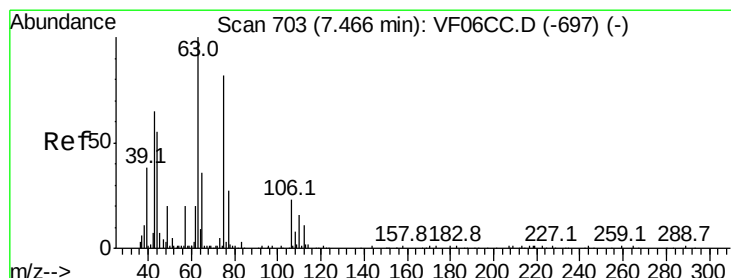
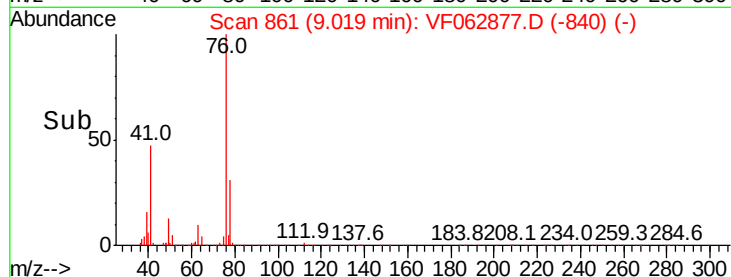
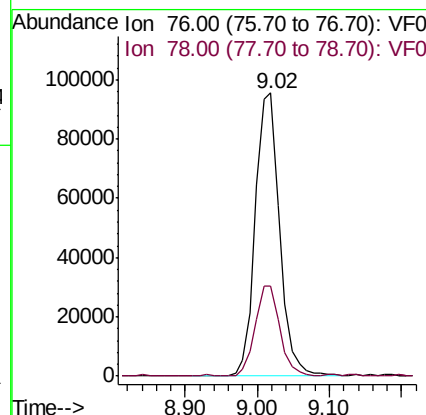
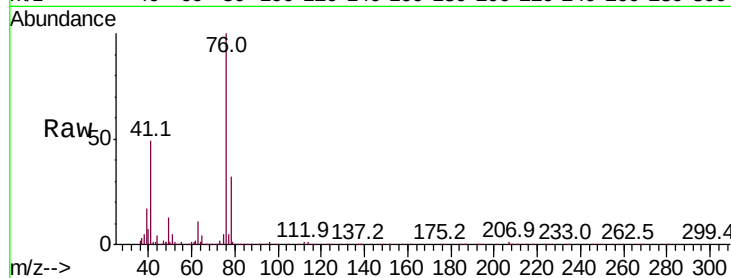
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.8	40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 115.148 ug/l

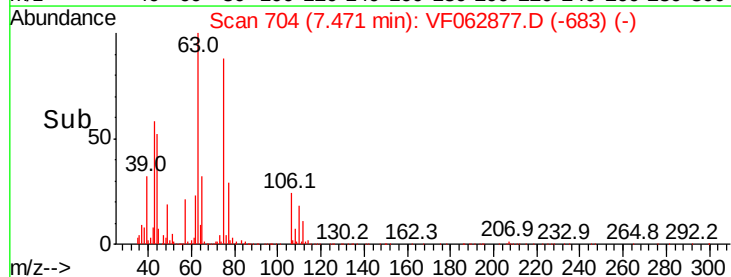
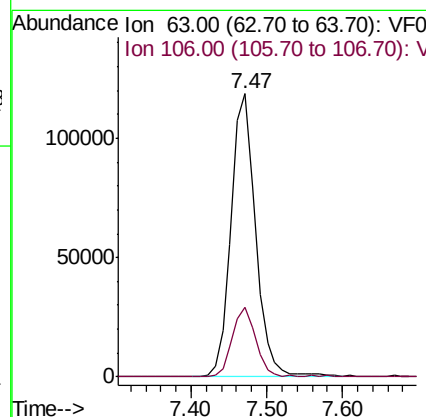
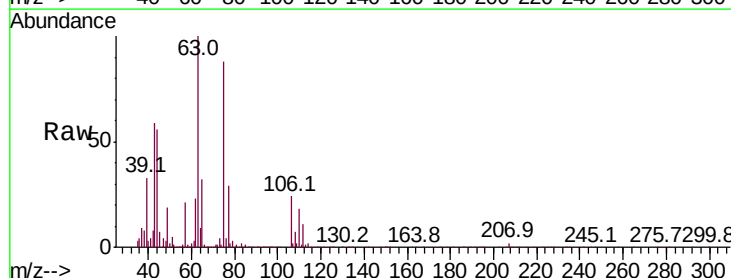
RT: 7.47 min Scan# 704

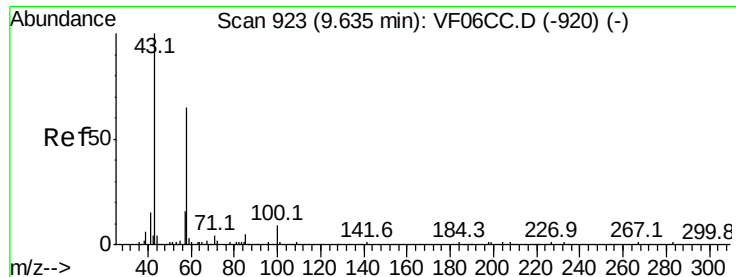
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.5	29.3





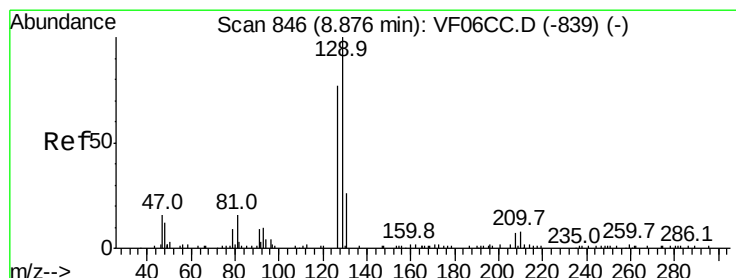
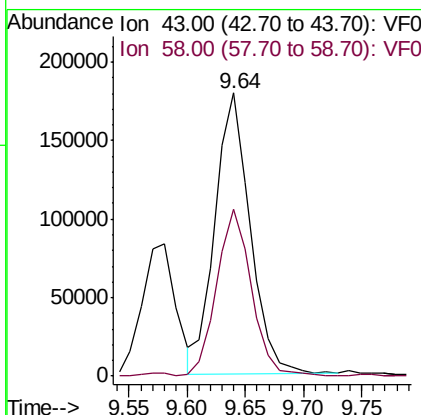
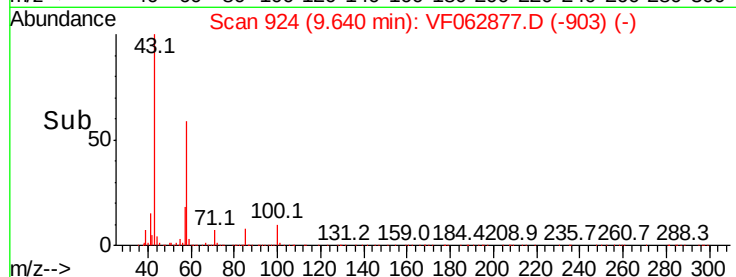
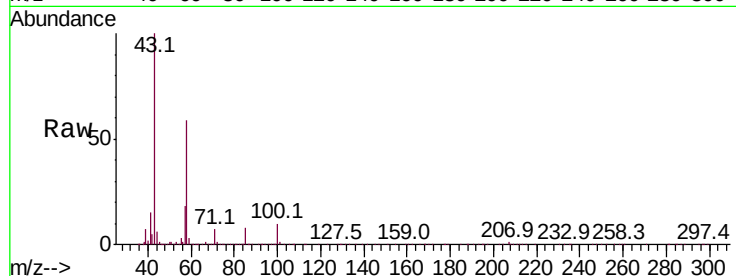
#59
2-Hexanone
Concen: 109.865 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion: 43 Resp: 374116
Ion Ratio Lower Upper
43 100
58 59.0 29.3 87.9

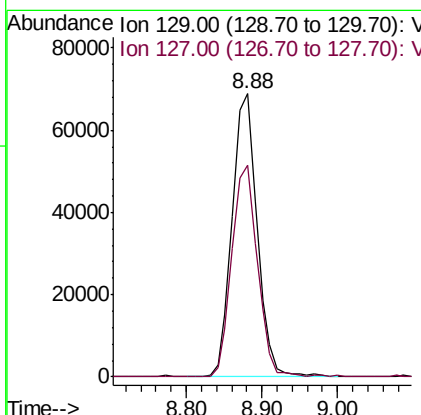
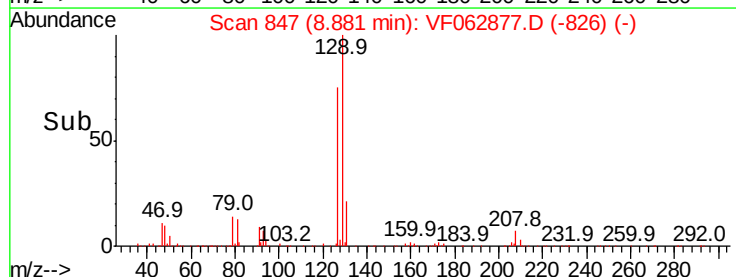
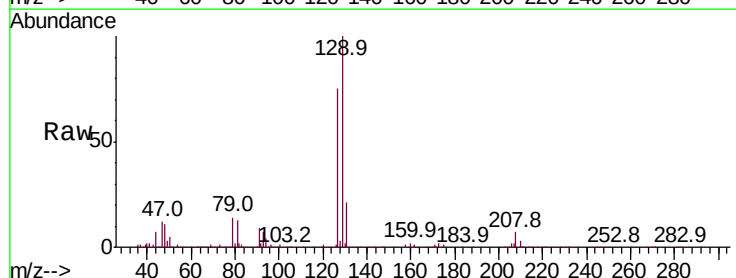
Manual Integrations
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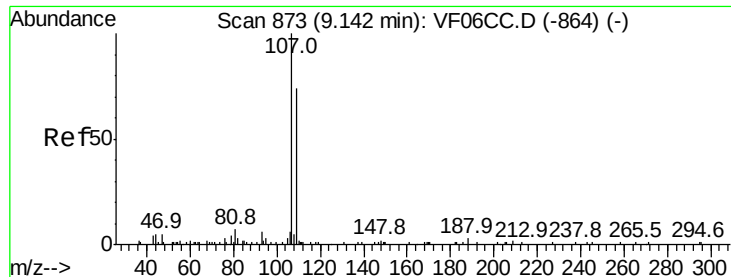
MMDadoda
6/7/2019 4:03:56 PM



#60
Dibromochloromethane
Concen: 20.543 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion: 129 Resp: 157831
Ion Ratio Lower Upper
129 100
127 74.7 37.1 111.3





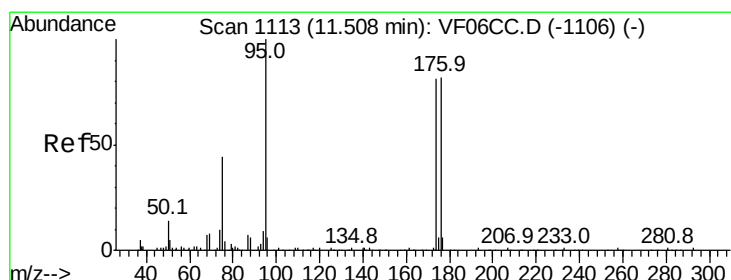
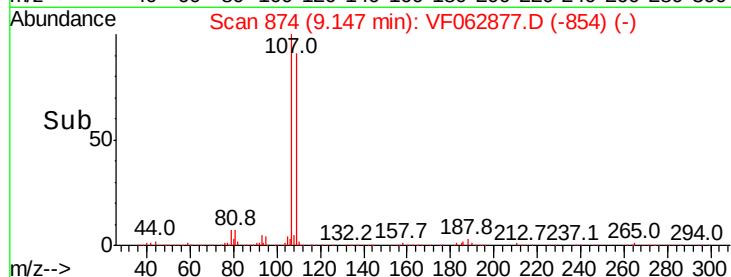
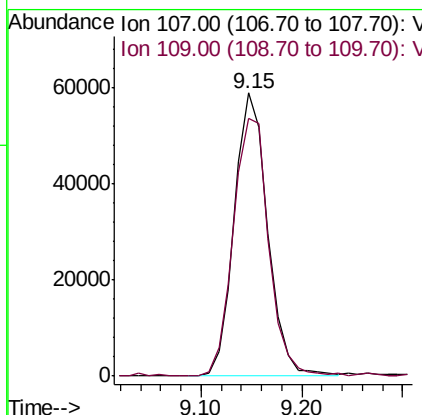
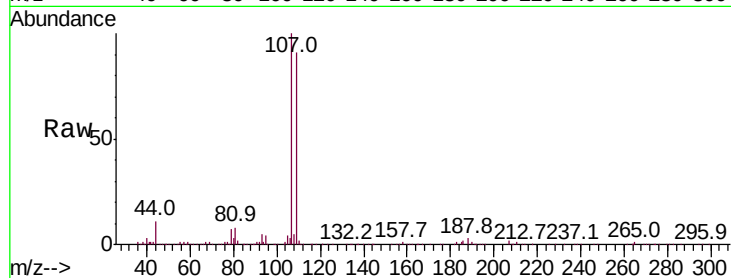
#61
 1,2-Dibromoethane
 Concen: 21.096 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	78.1	117.1

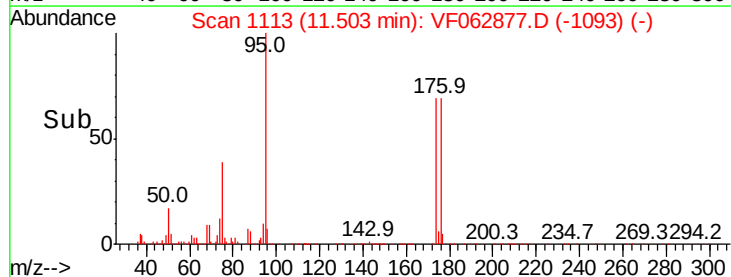
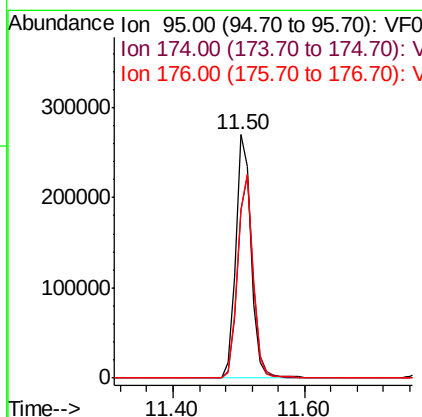
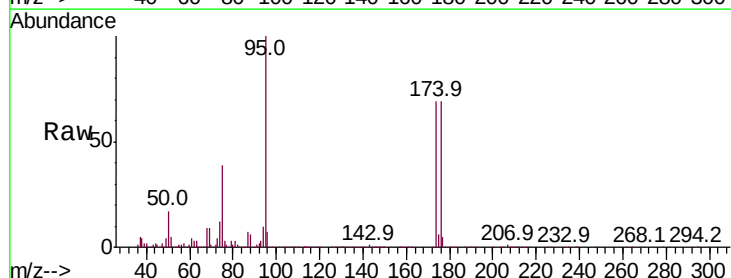
Manual Integrations
 APPROVED

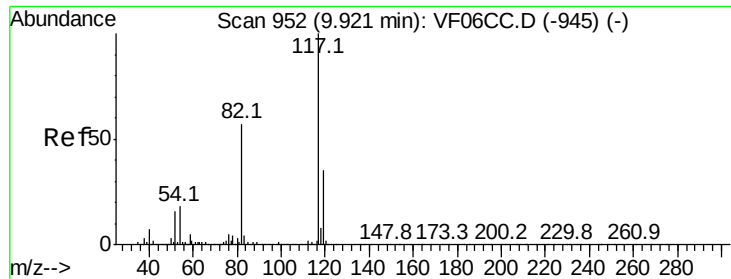
MMDadoda
 6/7/2019 4:03:56 PM



#62
 4-Bromofluorobenzene
 Concen: 44.914 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	170.6
176	69.1	0.0	170.6





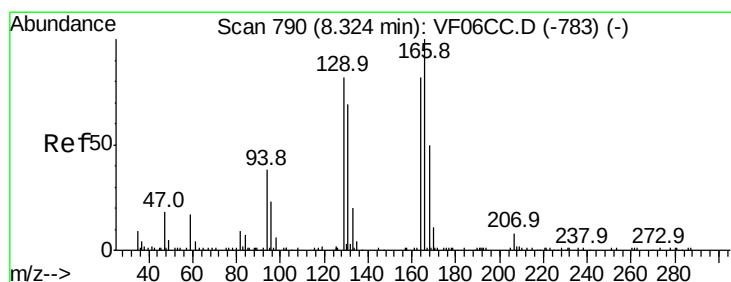
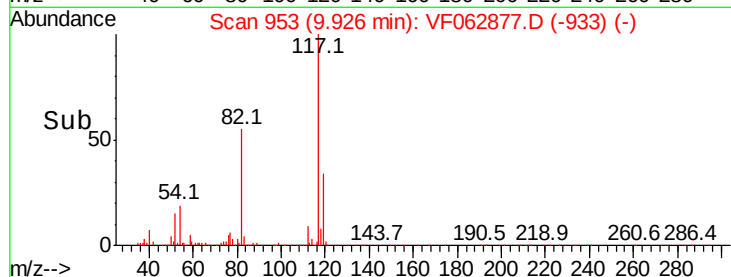
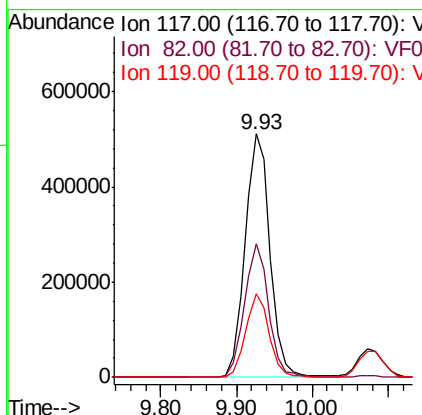
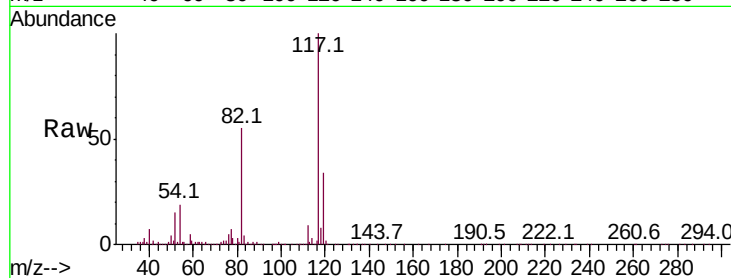
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.4	63.6
119	34.3	27.1	40.7

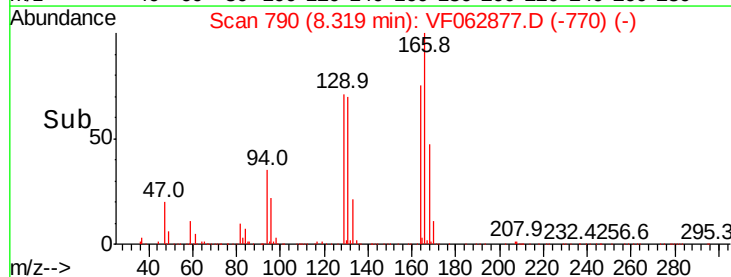
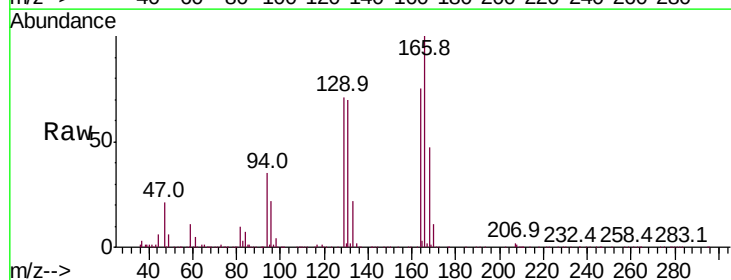
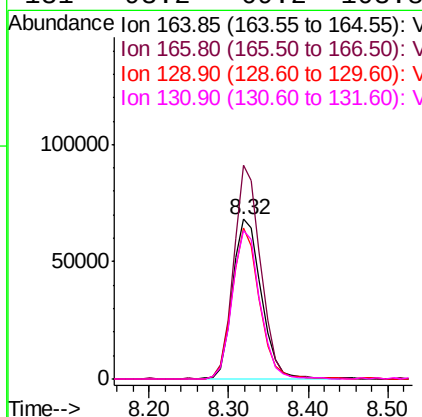
Manual Integrations
APPROVED

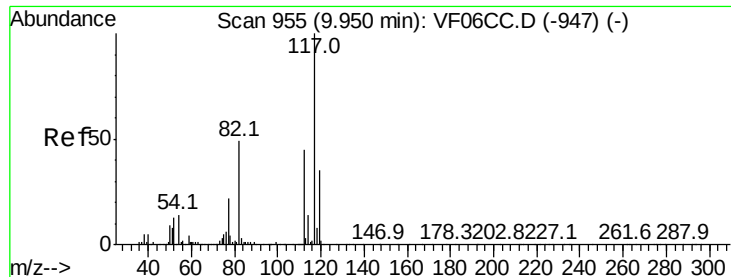
MMDadoda
6/7/2019 4:03:56 PM



#64
Tetrachloroethene
Concen: 19.154 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	99.1	148.7
129	94.5	69.5	104.3
131	93.2	69.2	103.8





#65

Chlorobenzene

Concen: 19.660 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion:112 Resp: 441865

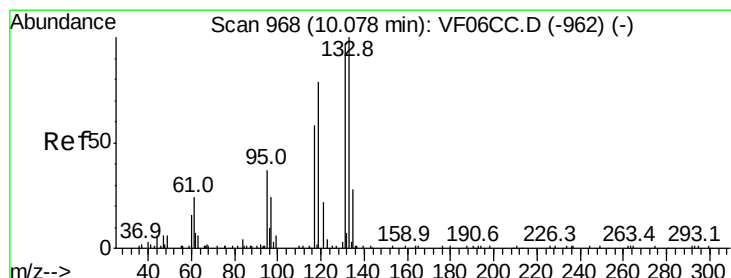
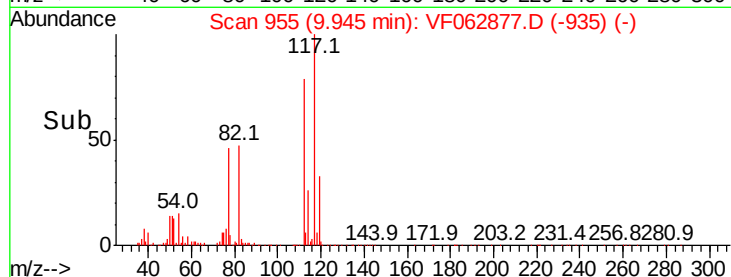
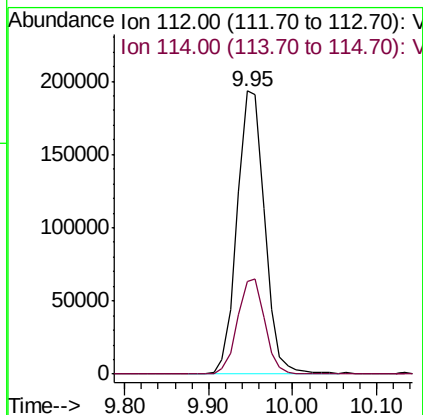
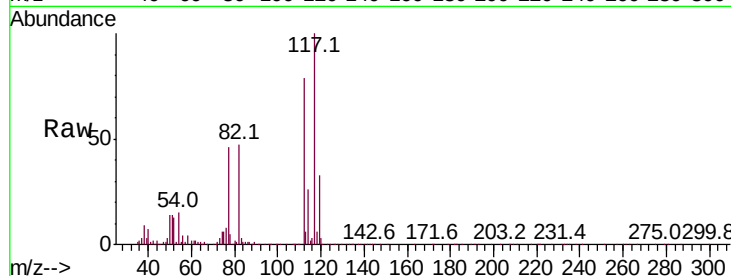
Ion Ratio Lower Upper

112 100

114 32.9 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.014 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

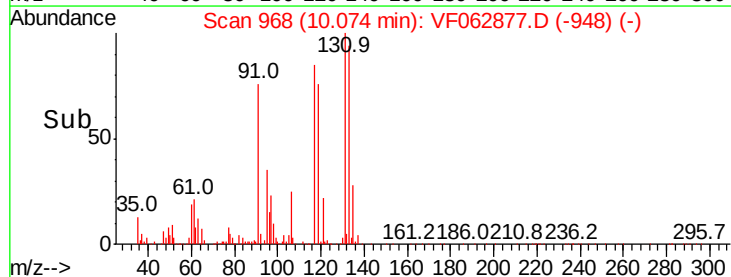
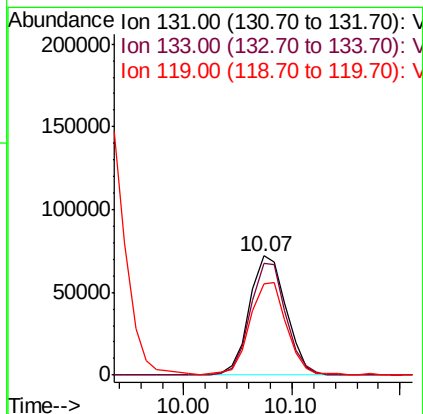
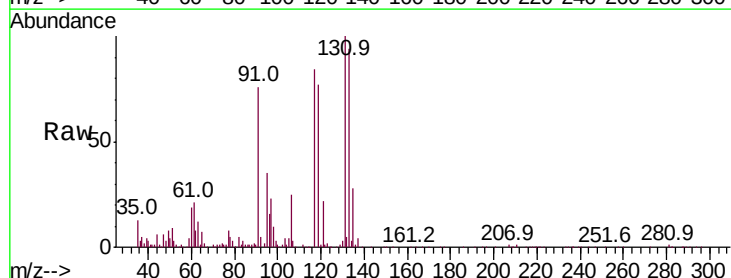
Tgt Ion:131 Resp: 170192

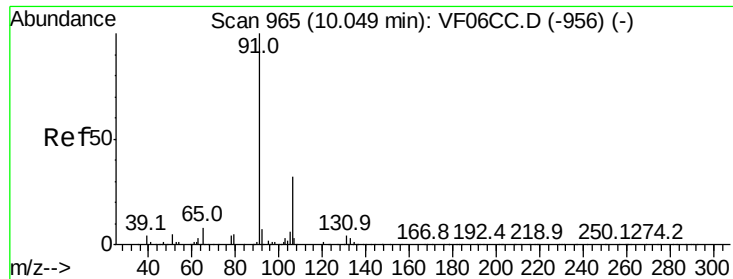
Ion Ratio Lower Upper

131 100

133 94.4 48.9 146.7

119 76.7 38.0 114.0





#67

Ethyl Benzene

Concen: 19.878 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 91 Resp: 766672

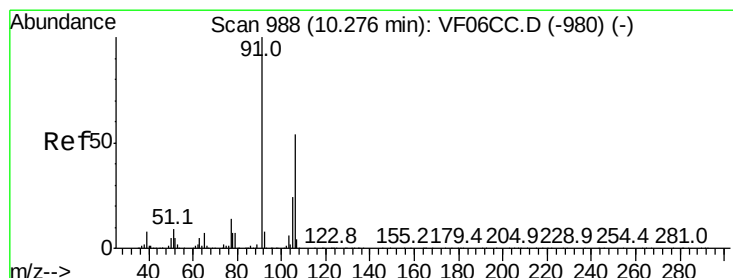
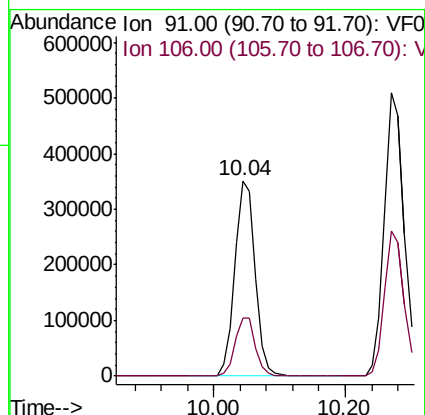
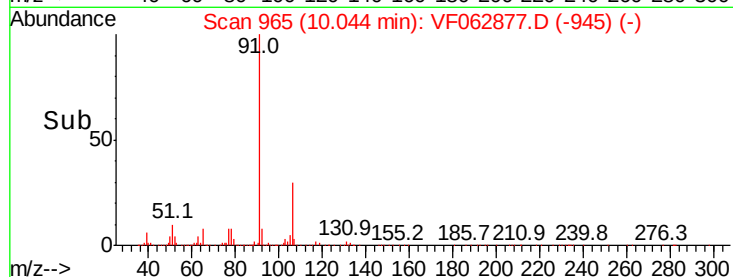
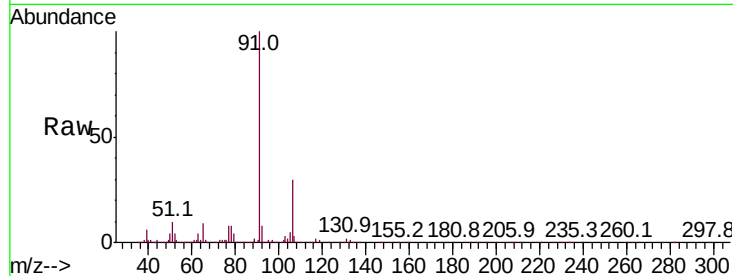
Ion Ratio Lower Upper

91 100

106 29.5 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.643 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.01 min

Lab File: VF062877.D

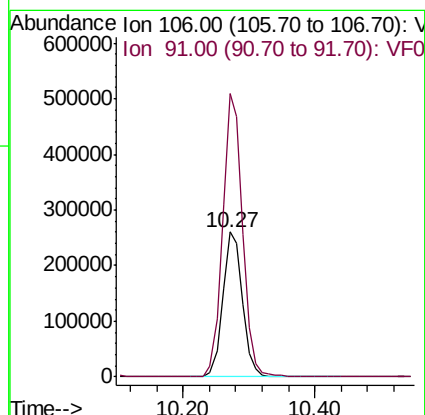
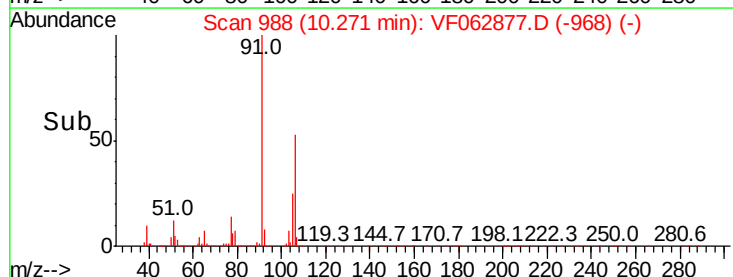
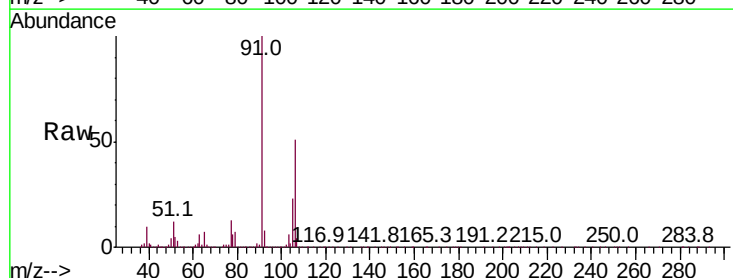
Acq: 6 Jun 2019 12:39

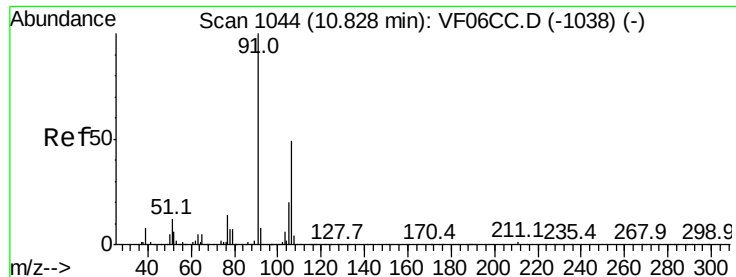
Tgt Ion: 106 Resp: 540807

Ion Ratio Lower Upper

106 100

91 195.8 136.2 204.4





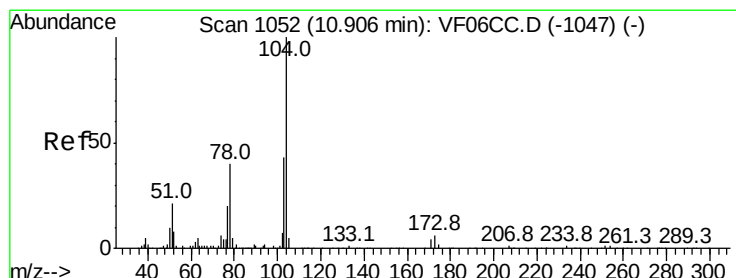
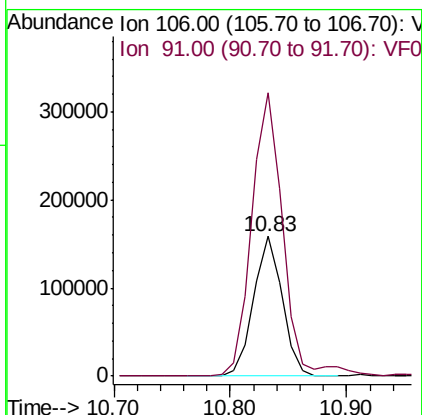
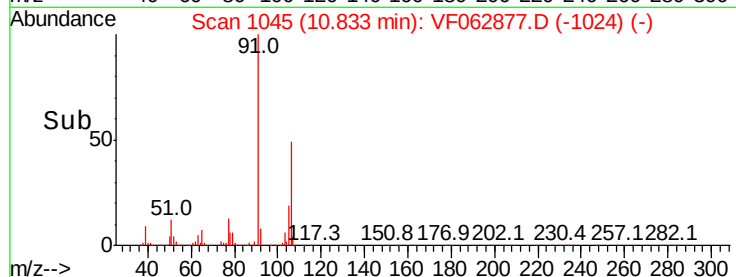
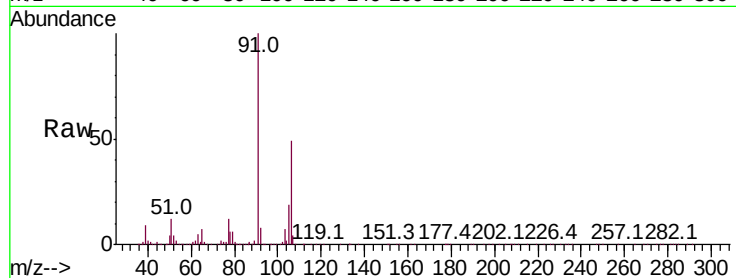
#69
o-Xylene
Concen: 18.117 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.0	96.6	289.8

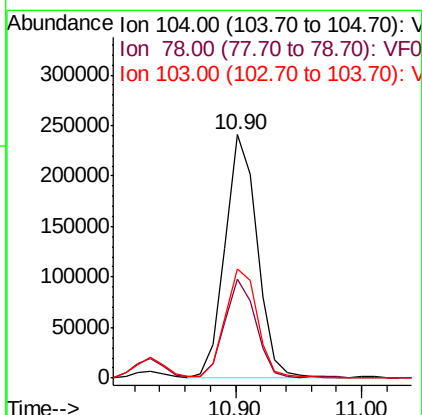
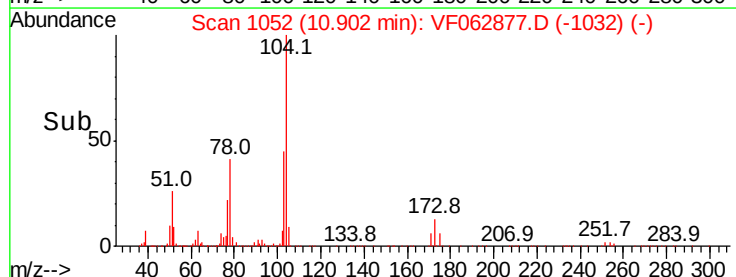
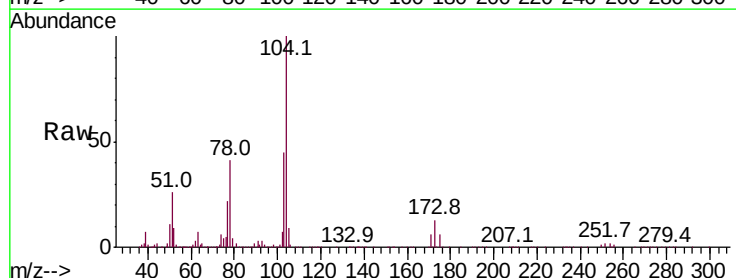
Manual Integrations
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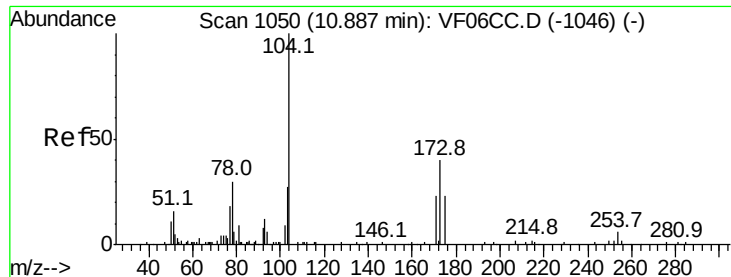
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#70
Styrene
Concen: 19.159 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.6	30.8	46.2
103	44.9	35.8	53.6





#71

Bromoform

Concen: 18.943 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion:173 Resp: 81342

Ion Ratio Lower Upper

173 100

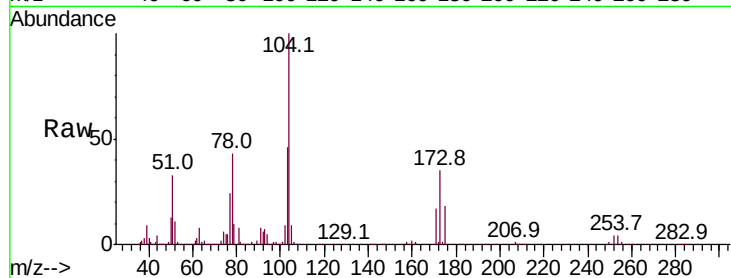
175 49.6 24.6 74.0

254 0.0 0.1 0.1#

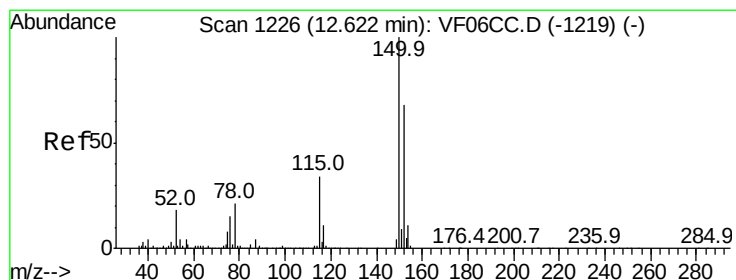
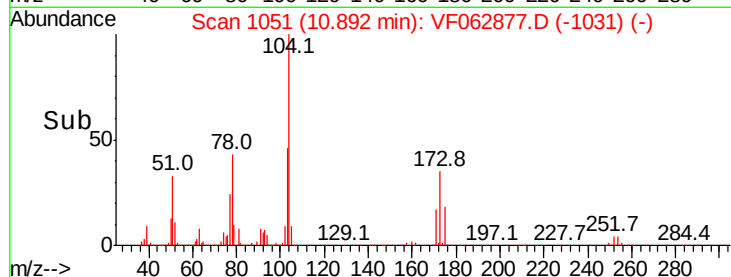
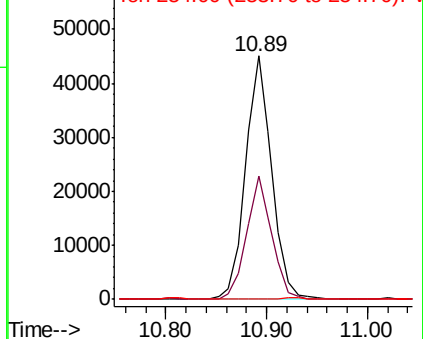
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

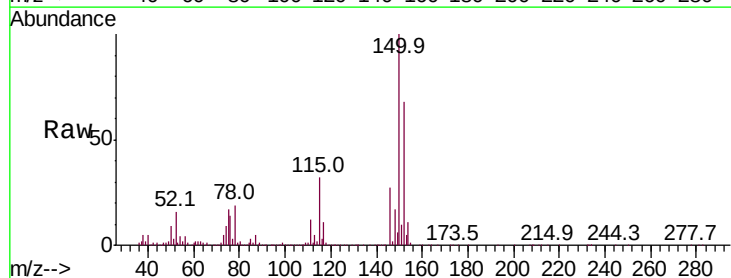
Tgt Ion:152 Resp: 562562

Ion Ratio Lower Upper

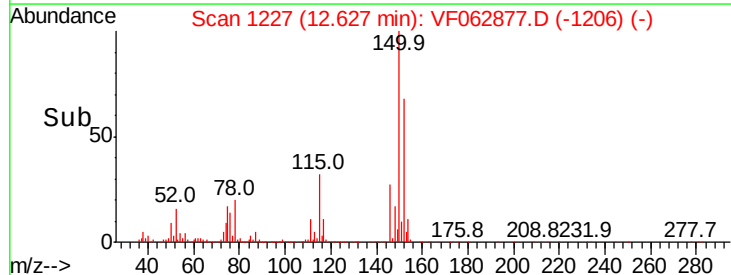
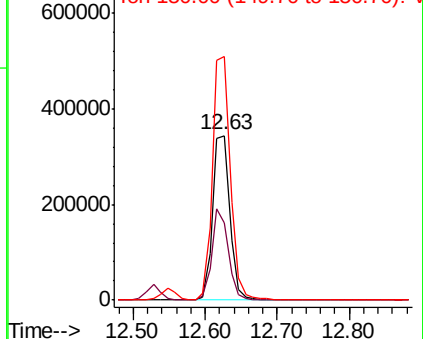
152 100

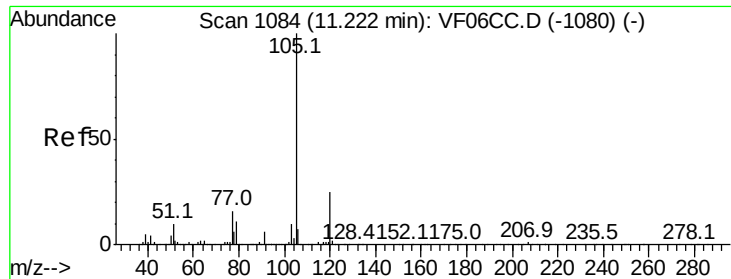
115 47.1 24.6 74.0

150 148.0 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 19.091 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion: 105 Resp: 749396

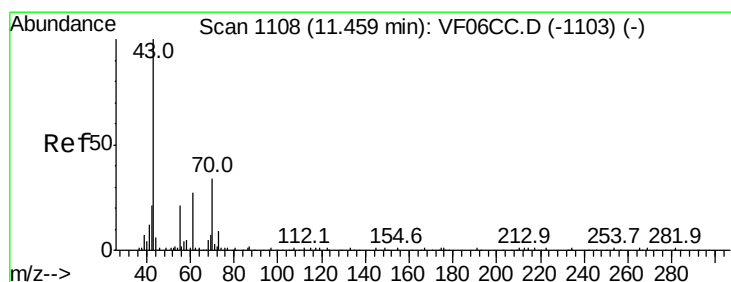
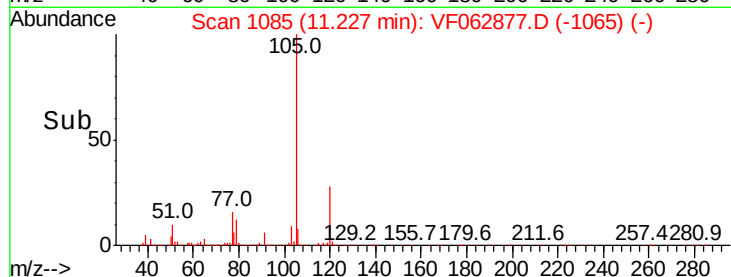
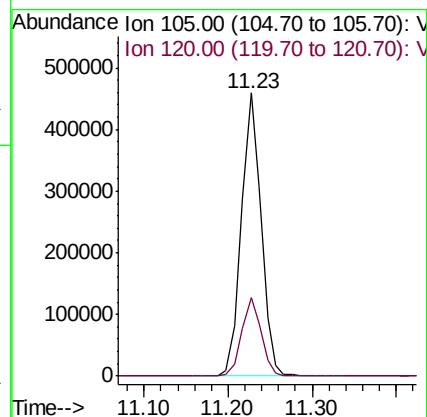
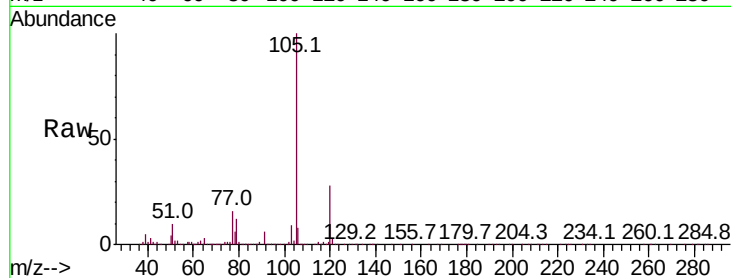
Ion Ratio Lower Upper

105 100

120 28.0 15.1 45.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.365 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion: 43 Resp: 214243

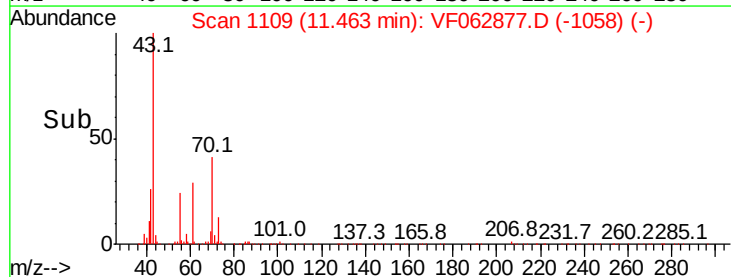
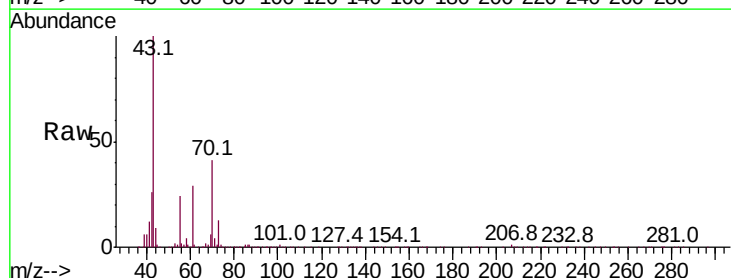
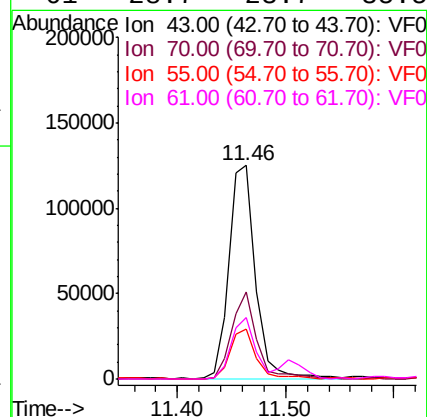
Ion Ratio Lower Upper

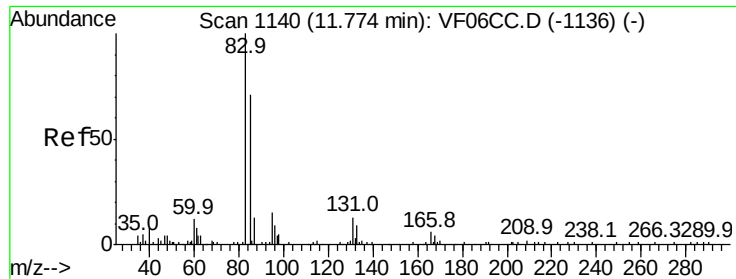
43 100

70 41.0 32.9 49.3

55 23.6 17.3 25.9

61 28.7 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.846 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

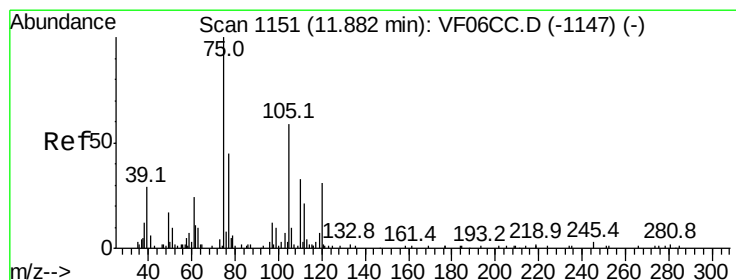
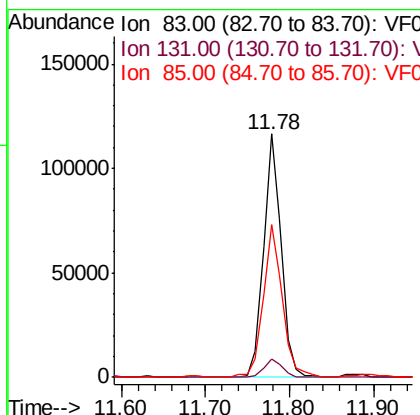
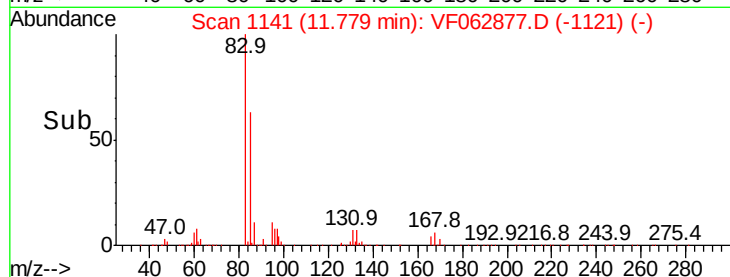
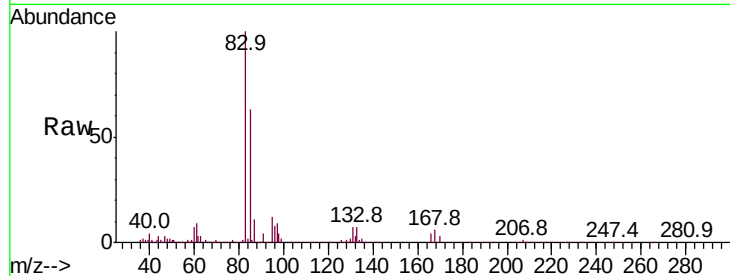
ClientSampleId :

VF0606SBS01

Tot Ion:	83	Resp:	174748
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.9	14.7
85	63.0	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.807 ug/l

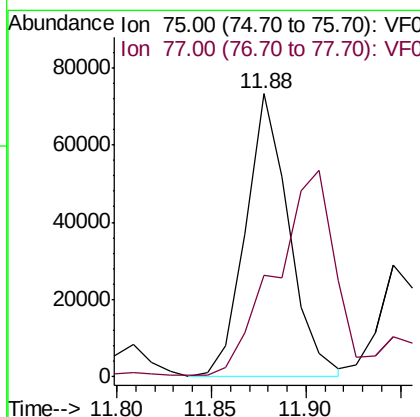
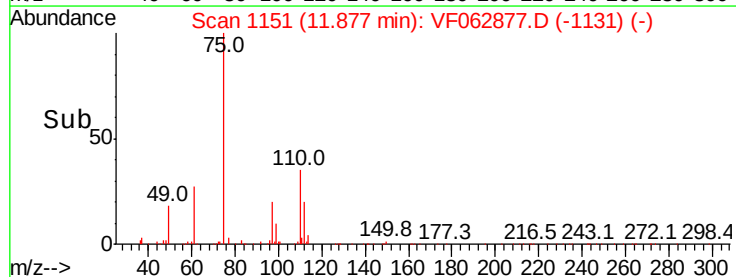
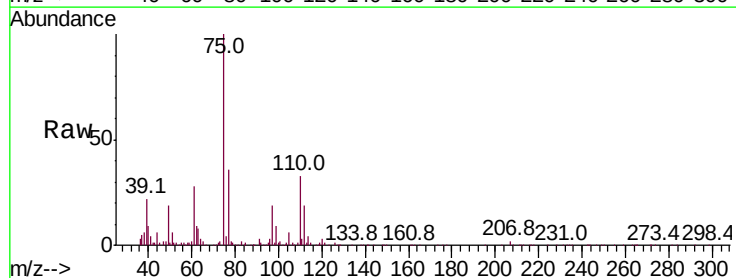
RT: 11.88 min Scan# 1151

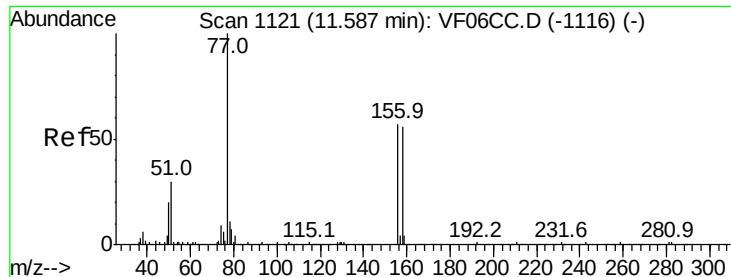
Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	75	Resp:	115616
Ion Ratio	Lower	Upper	
75	100		
77	35.8	20.1	60.2





#77

Bromobenzene

Concen: 19.160 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

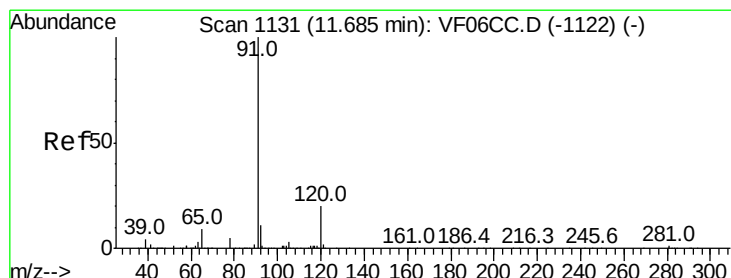
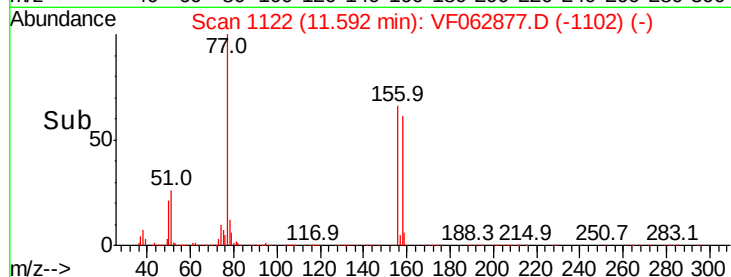
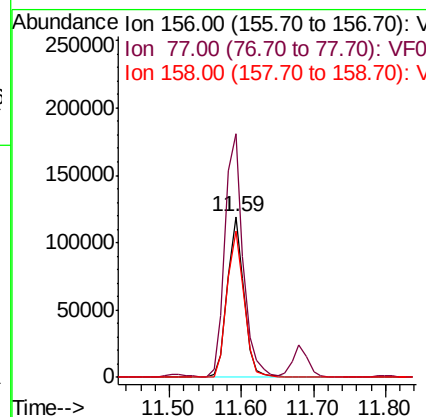
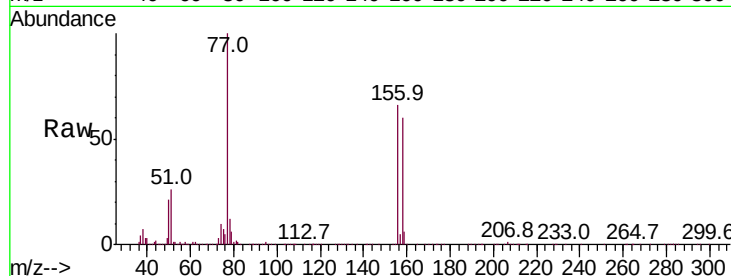
ClientSampleId :

VF0606SBS01

Tot Ion:	156	Resp:	188971
Ion Ratio	Lower	Upper	
156	100		
77	151.3	64.2	192.6
158	91.3	50.3	151.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.259 ug/l

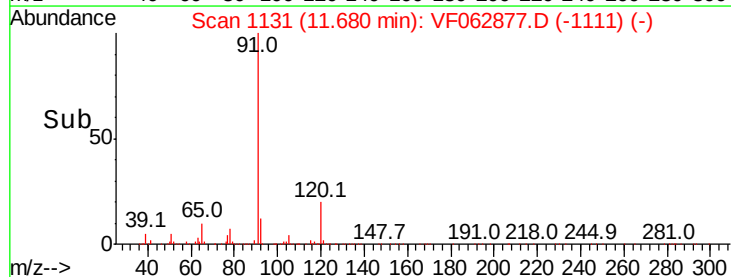
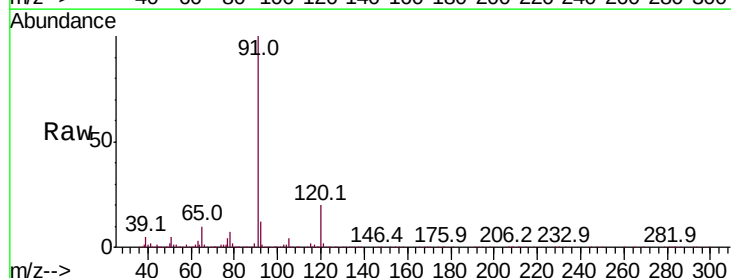
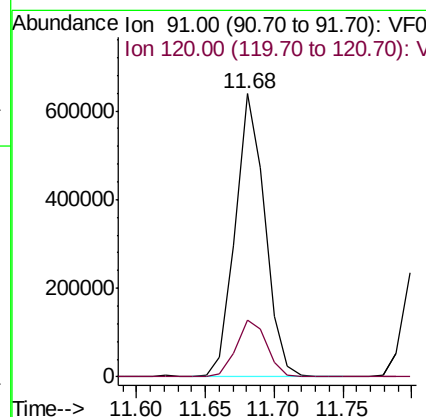
RT: 11.68 min Scan# 1131

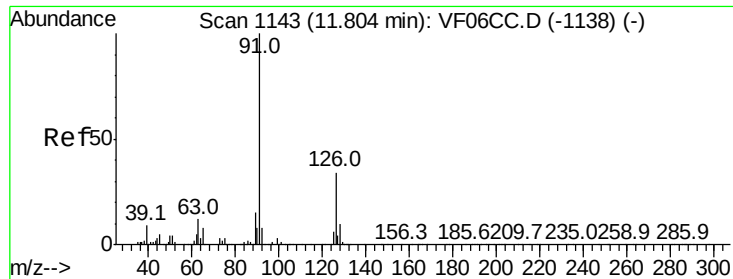
Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	91	Resp:	960205
Ion Ratio	Lower	Upper	
91	100		
120	20.0	12.8	38.4





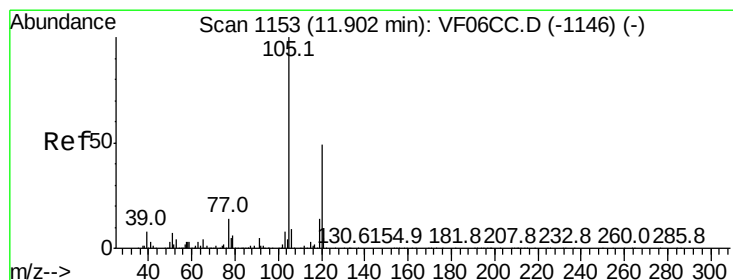
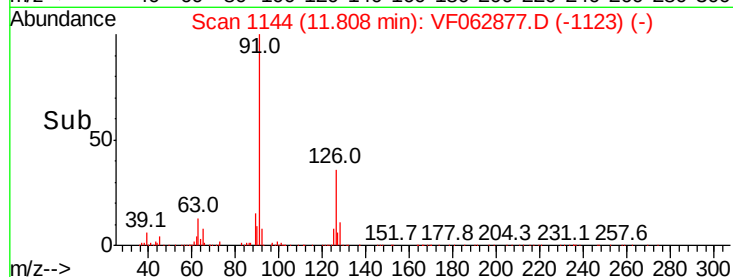
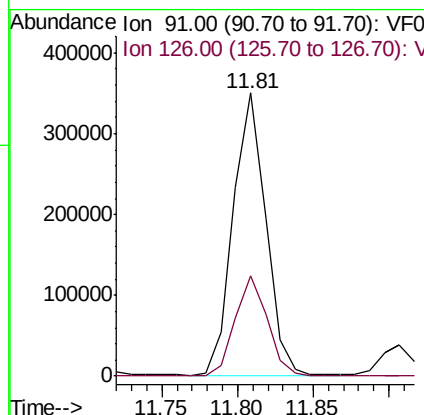
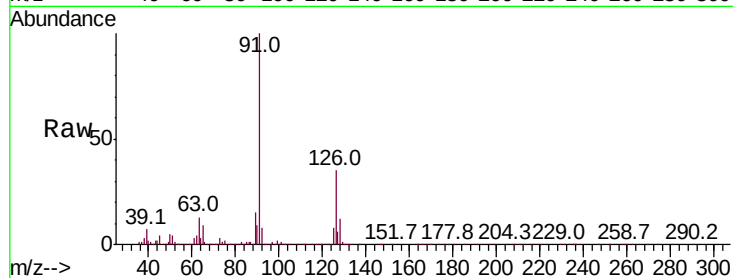
#79
2-Chlorotoluene
Concen: 19.418 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3

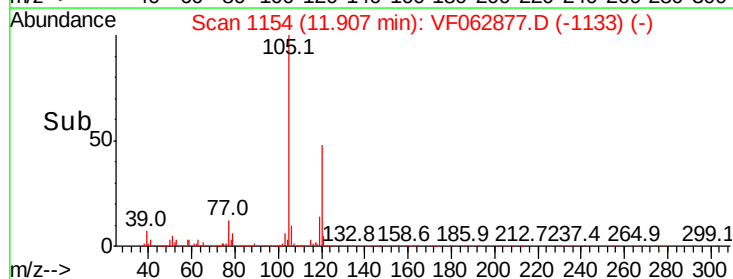
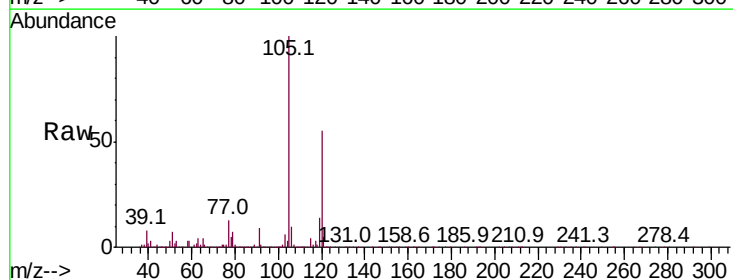
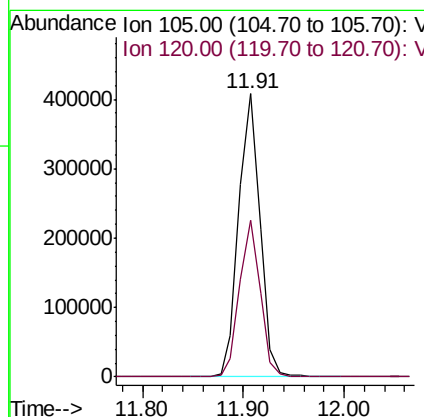
Manual Integrations
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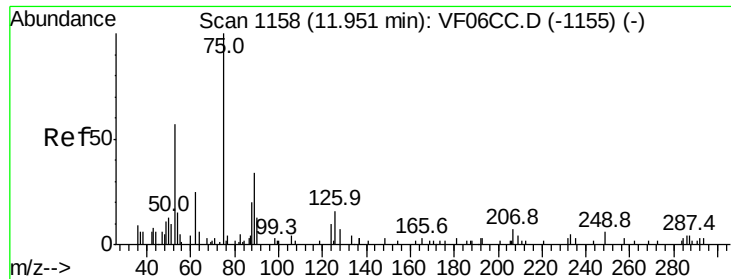
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 18.742 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.4	28.7	86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.178 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

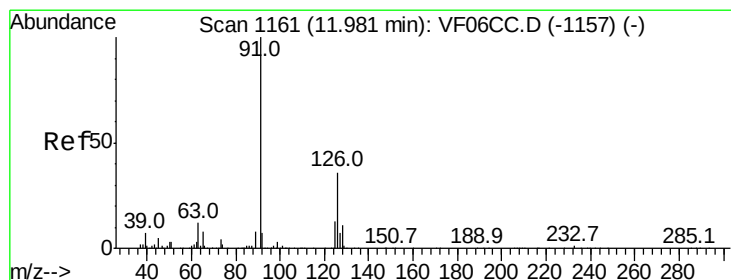
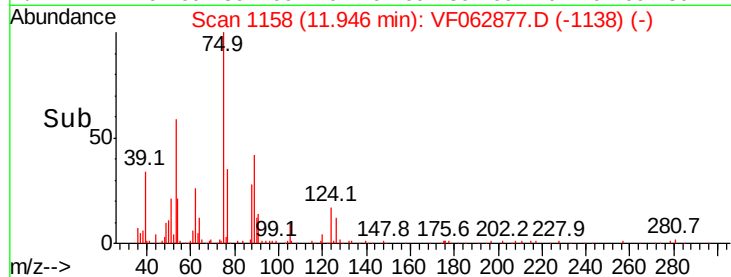
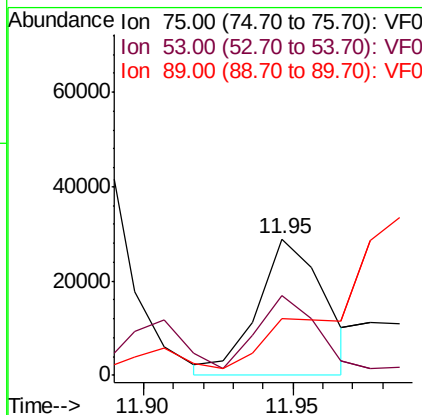
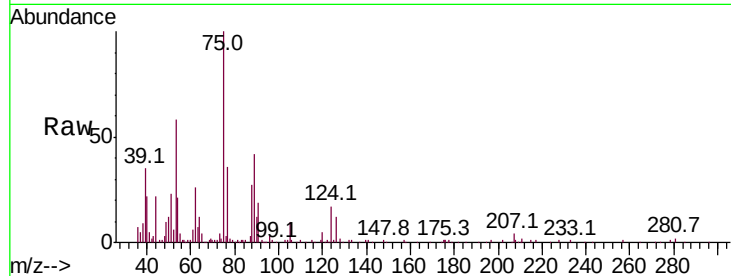
ClientSampleId :

VF0606SBS01

Tot Ion:	75	Resp:	45114
Ion Ratio	Lower	Upper	
75	100		
53	58.2	43.5	65.3
89	41.7	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.609 ug/l

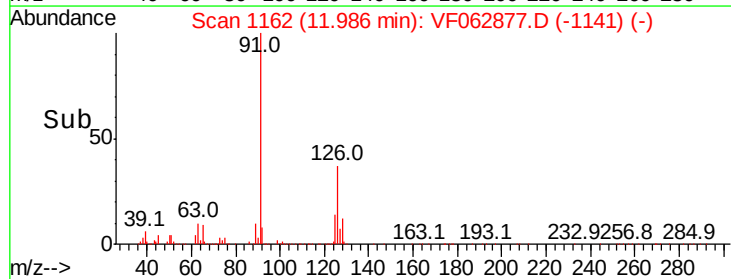
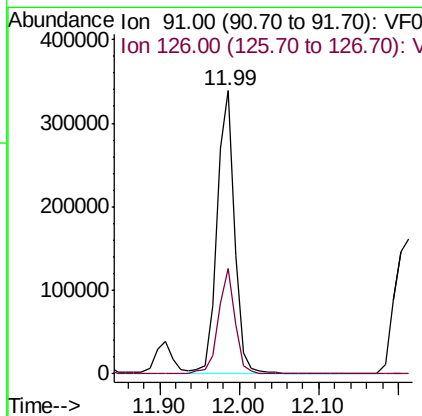
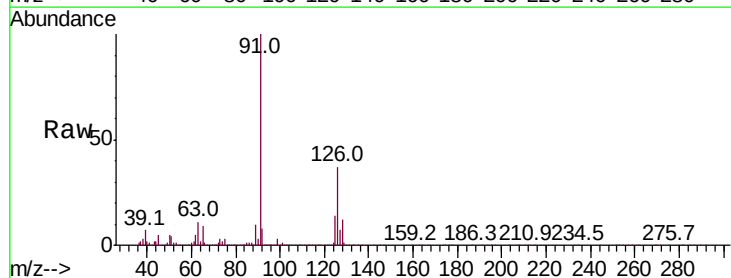
RT: 11.99 min Scan# 1162

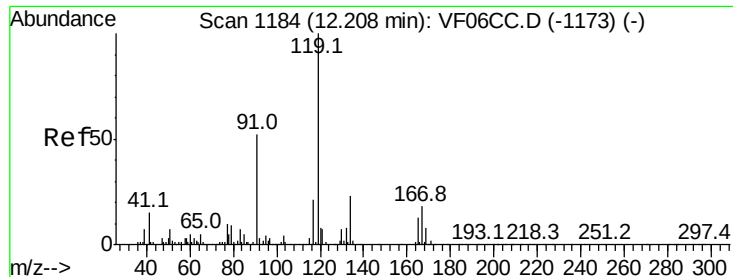
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	91	Resp:	522620
Ion Ratio	Lower	Upper	
91	100		
126	37.2	19.1	57.1





#83

tert-Butylbenzene

Concen: 17.025 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

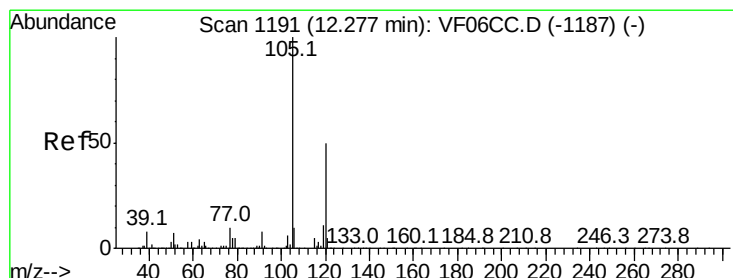
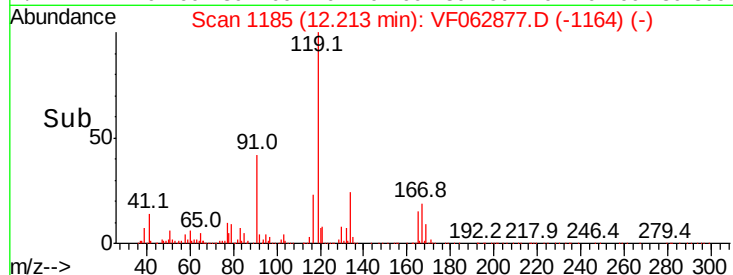
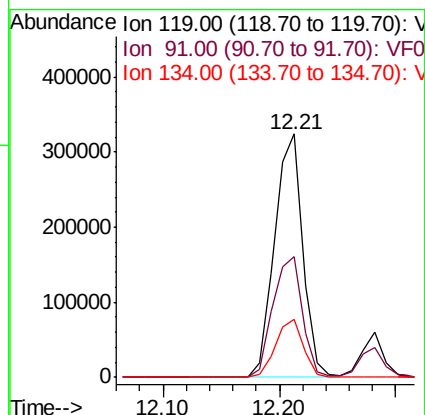
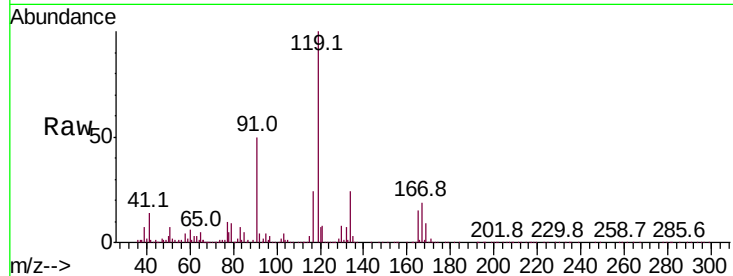
ClientSampleId :

VF0606SBS01

Tot Ion:	119	Resp:	541522
Ion Ratio	Lower	Upper	
119	100		
91	49.6	28.9	86.7
134	24.0	14.3	42.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.751 ug/l

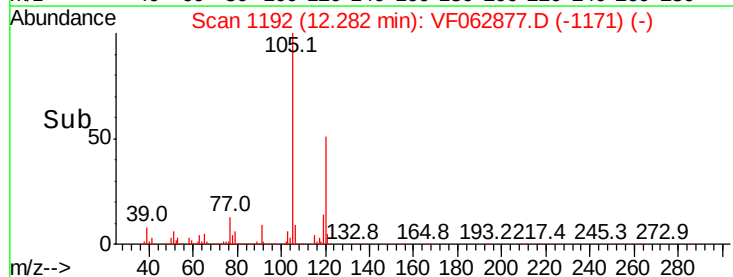
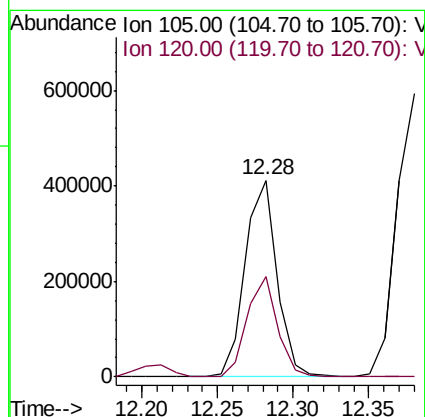
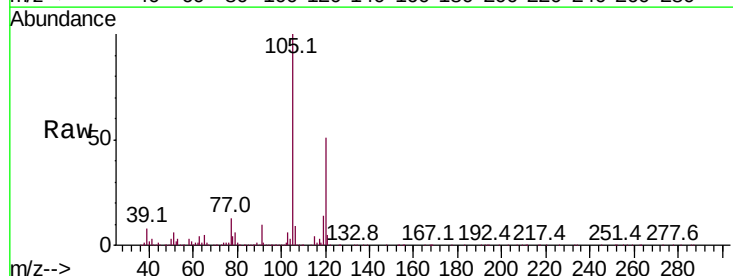
RT: 12.28 min Scan# 1192

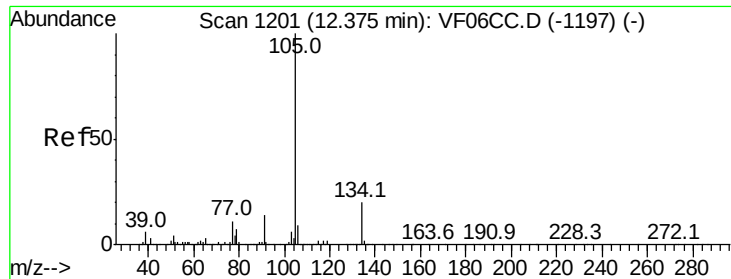
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	105	Resp:	601146
Ion Ratio	Lower	Upper	
105	100		
120	51.2	27.1	81.3





#85

sec-Butylbenzene

Concen: 20.137 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

ClientSampleId :

VF0606SBS01

Tot Ion:105 Resp: 844022

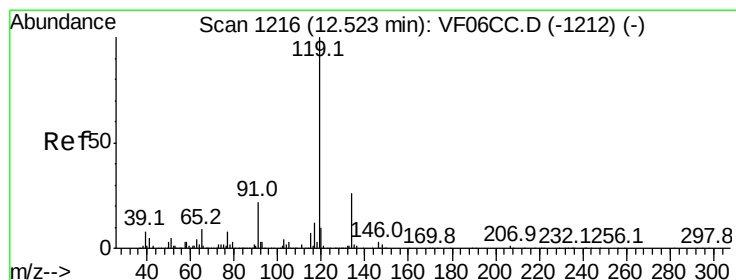
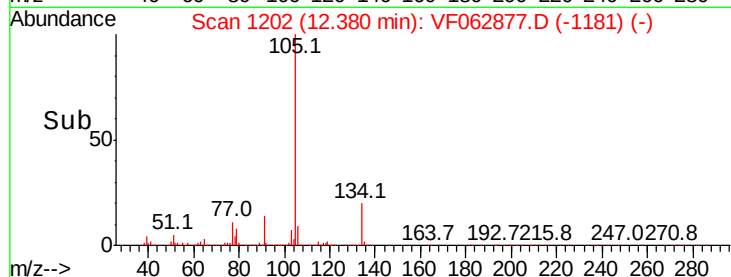
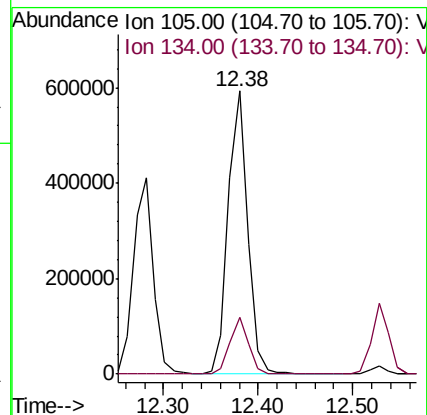
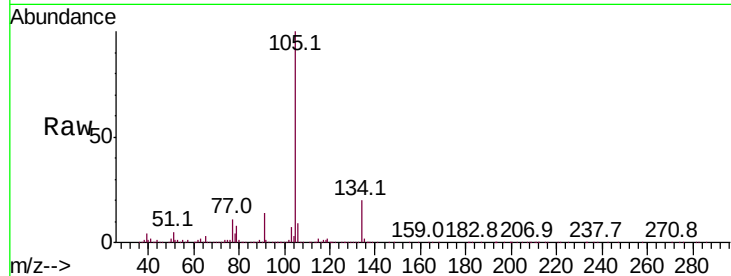
Ion Ratio Lower Upper

105 100

134 19.9 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 20.176 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

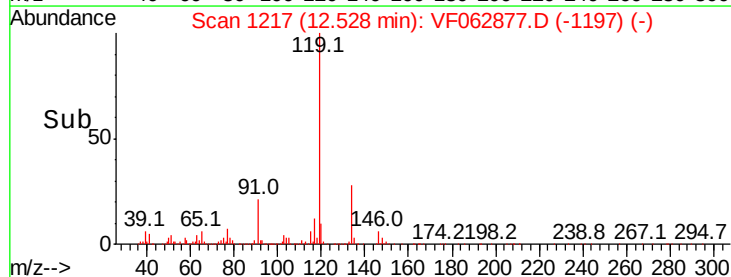
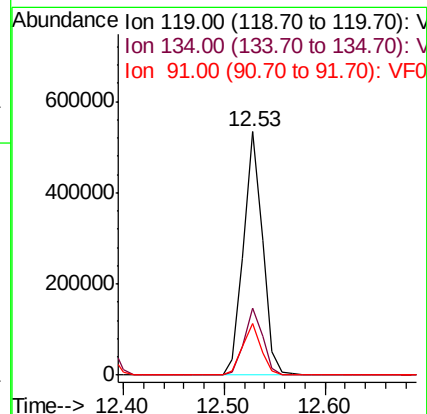
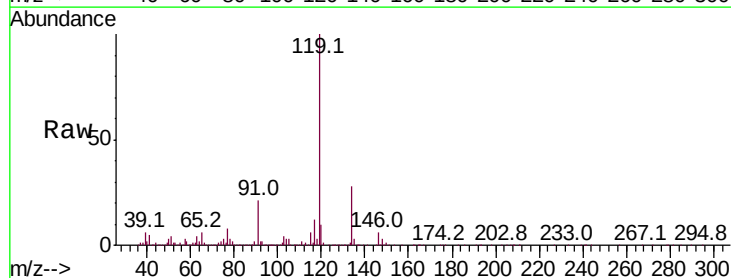
Tgt Ion:119 Resp: 703869

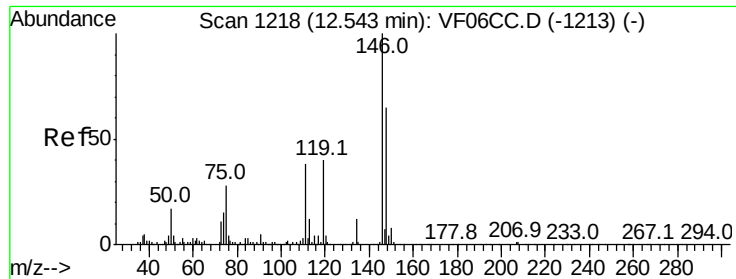
Ion Ratio Lower Upper

119 100

134 27.8 15.5 46.5

91 20.9 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 20.409 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062877.D

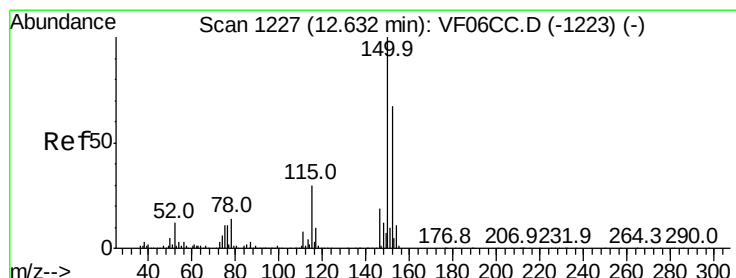
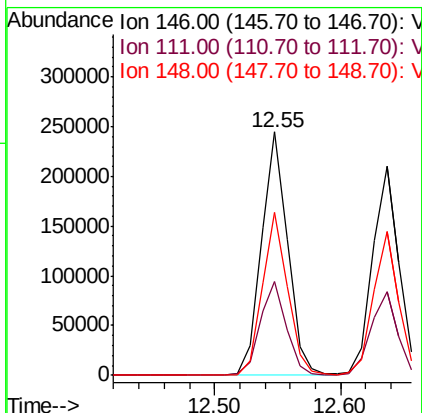
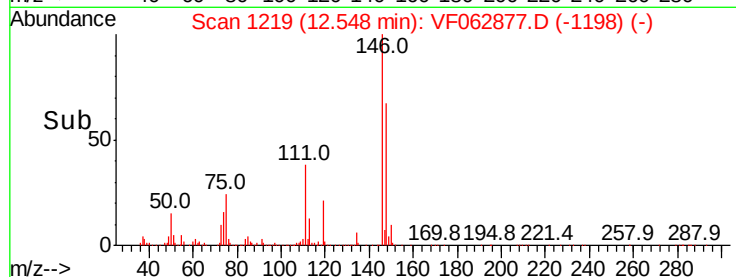
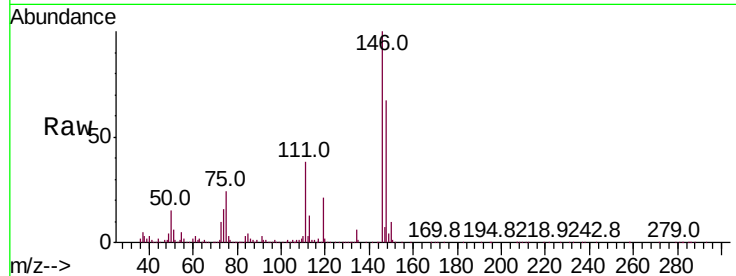
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.8
148	67.2	34.2	102.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.173 ug/l

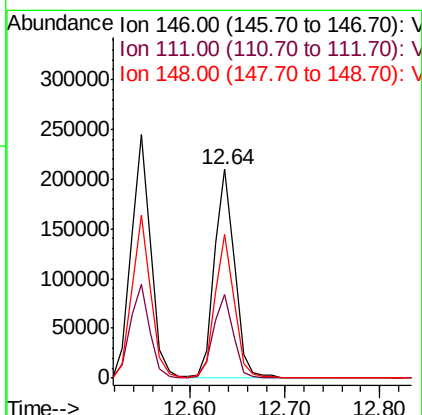
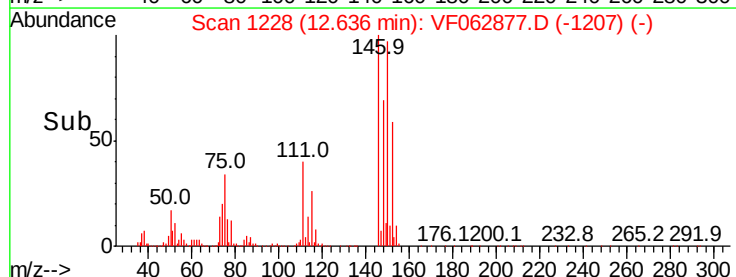
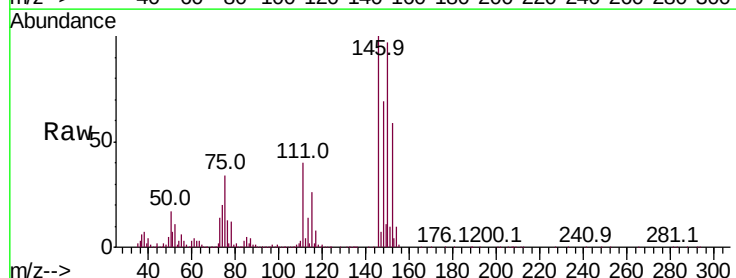
RT: 12.64 min Scan# 1228

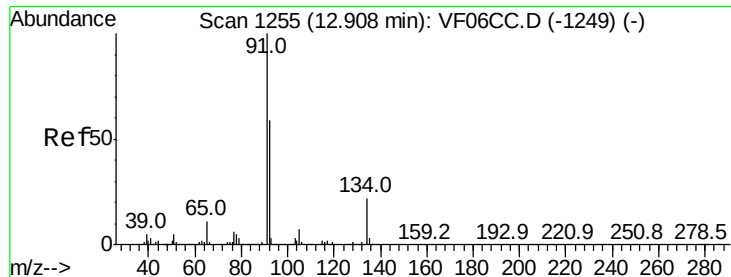
Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	68.9	34.0	101.8





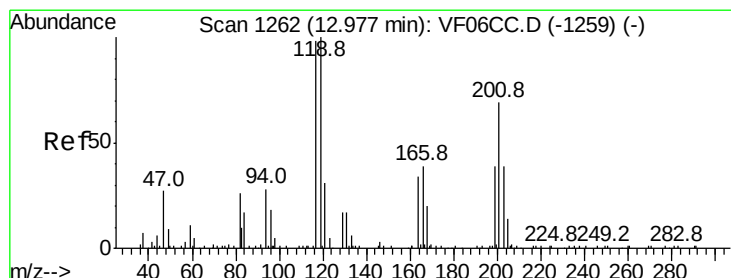
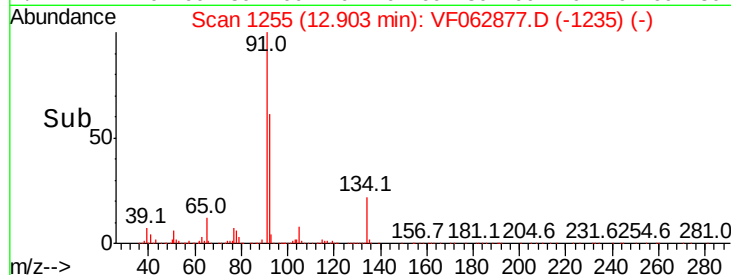
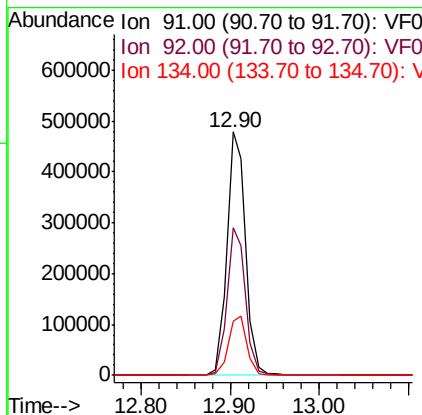
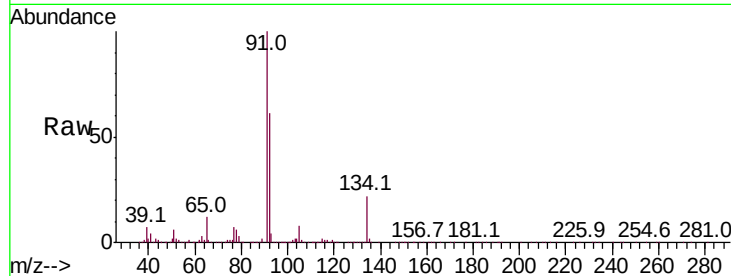
#89
n-Butylbenzene
Concen: 20.291 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Instrument :
MSVOA_F
ClientSampleId :
VF0606SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.9	34.2	102.6
134	22.1	15.8	47.3

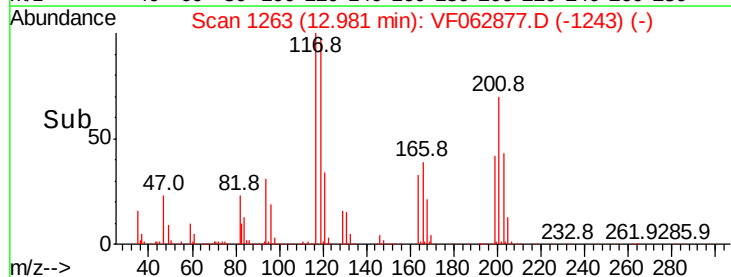
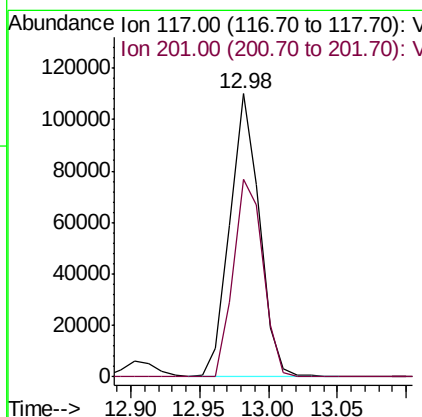
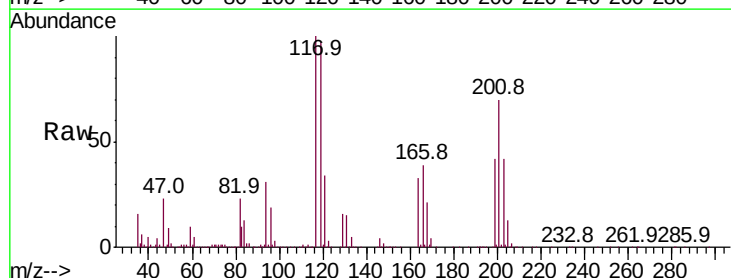
Manual Integrations
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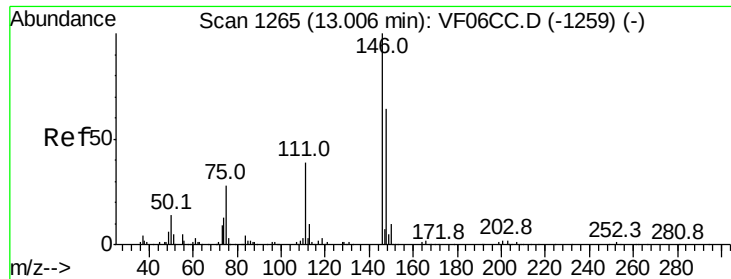
MMDadoda
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#90
Hexachloroethane
Concen: 19.276 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062877.D
Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	38.9	116.7





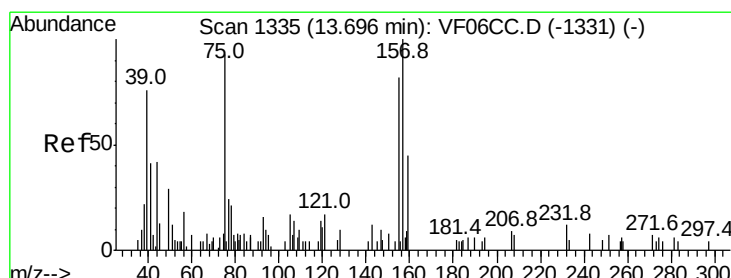
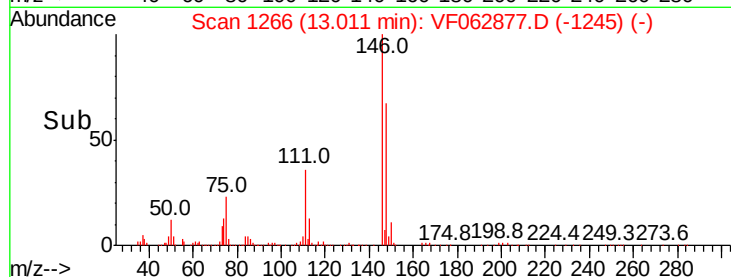
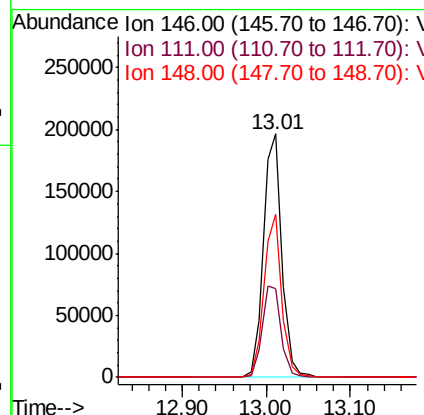
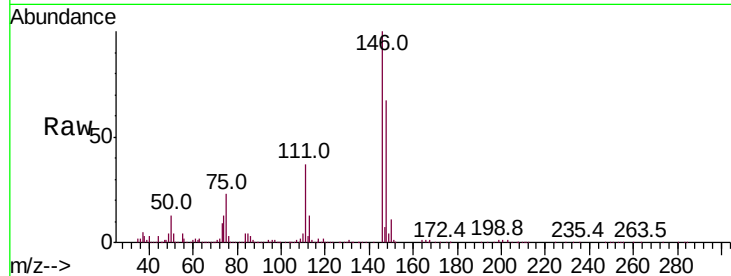
#91
 1,2-Dichlorobenzene
 Concen: 20.019 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.4	61.3
148	67.0	34.1	102.3

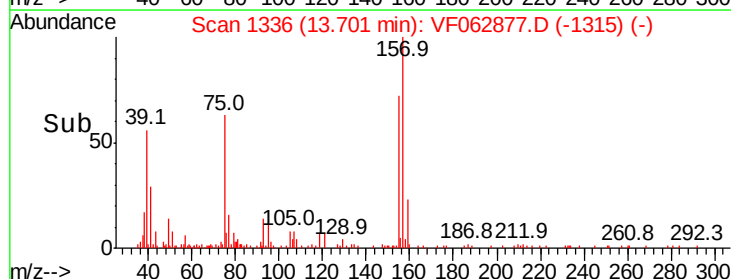
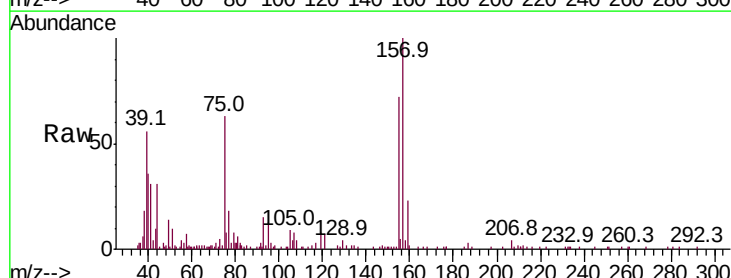
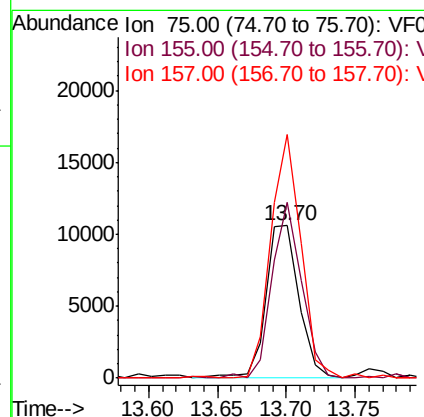
Manual Integrations
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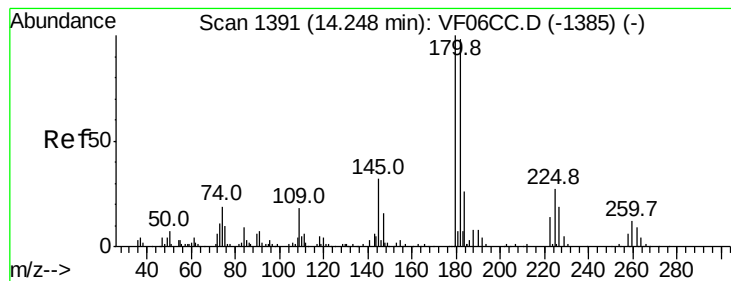
MMDadoda
 6/7/2019 4:03:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.520 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.3	51.7	155.1
157	166.2	66.8	200.6





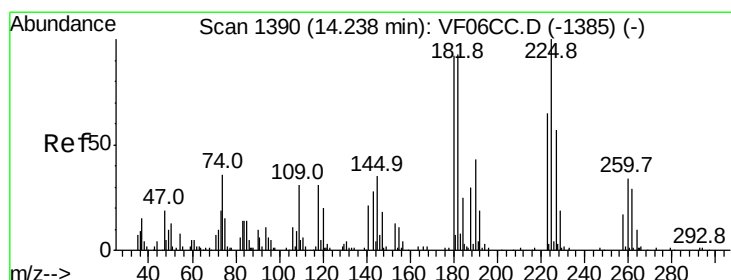
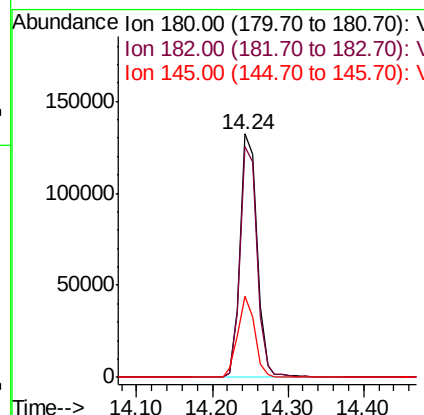
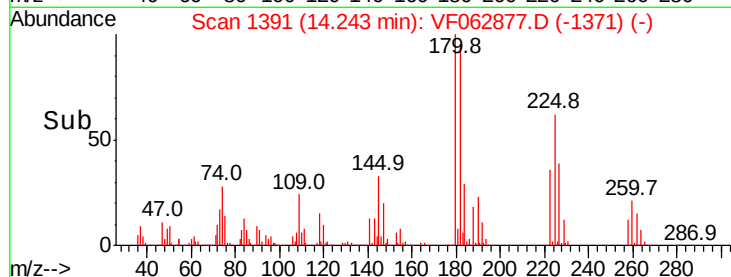
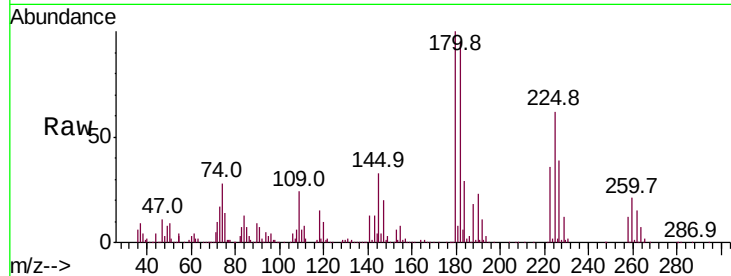
#93
 1,2,4-Trichlorobenzene
 Concen: 19.437 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0606SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	204040		
182	94.9	50.3	150.9	
145	33.4	15.4	46.2	

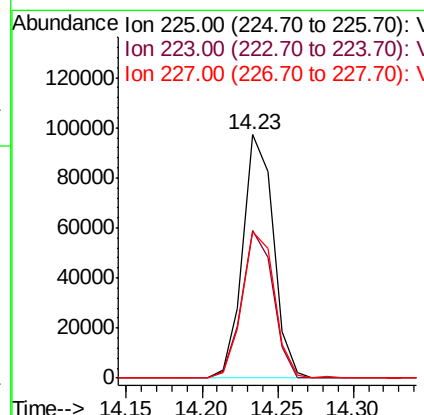
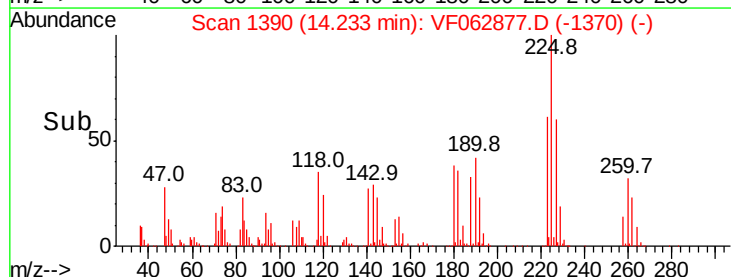
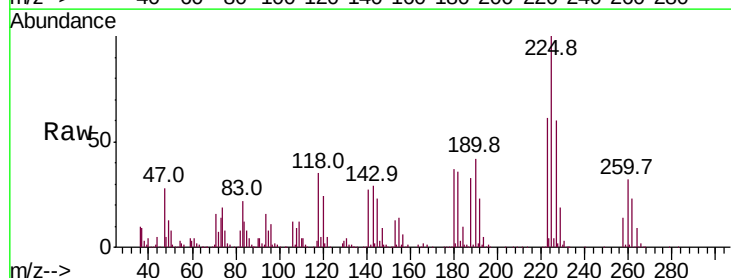
Manual Integrations
 APPROVED

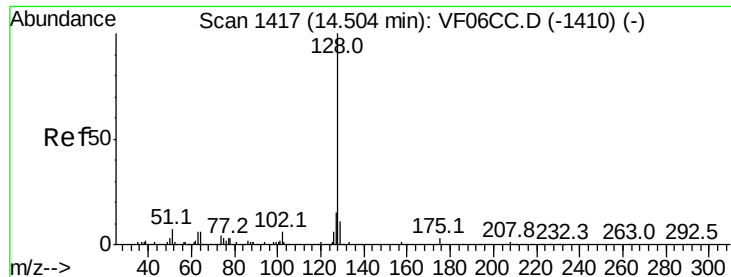
MMDadoda
 6/7/2019 4:03:56 PM



#94
 Hexachlorobutadiene
 Concen: 18.942 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062877.D
 Acq: 6 Jun 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137559		
223	60.9	30.8	92.4	
227	60.1	31.9	95.5	





#95

Naphthalene

Concen: 16.656 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Instrument :

MSVOA_F

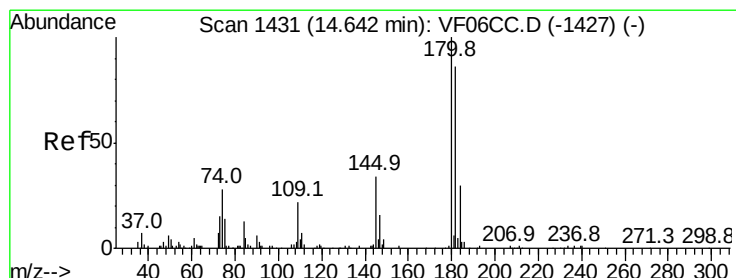
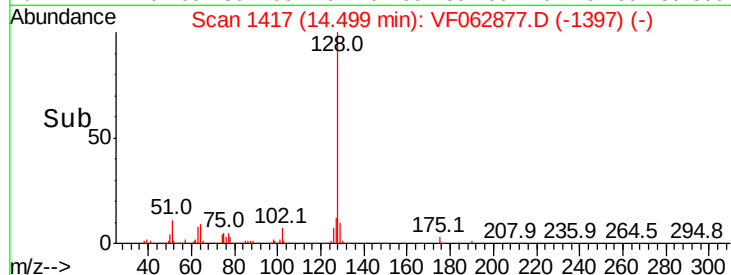
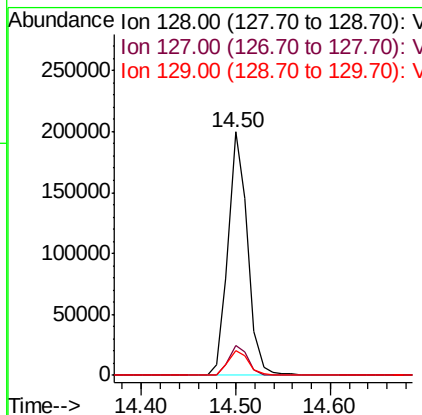
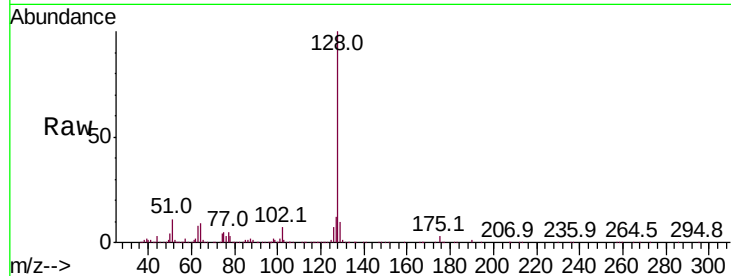
ClientSampleId :

VF0606SBS01

Tot Ion:	128	Resp:	286437
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.7	14.5
129	9.9	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/7/2019 4:03:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.945 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062877.D

Acq: 6 Jun 2019 12:39

Tgt Ion:	180	Resp:	162371
Ion Ratio	Lower	Upper	
180	100		
182	99.3	48.6	145.9
145	30.9	15.7	47.0

