

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032019\
 Data File : VF062035.D
 Acq On : 20 Mar 2019 12:49
 Operator : VA/AP
 Sample : VF0320SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:51:36 PM

Quant Time: Mar 22 05:45:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	251153	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	375096	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	328729	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	179309	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	89526	49.52	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.04%	
35) Dibromofluoromethane	4.10	113	128343	50.95	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.90%	
50) Toluene-d8	7.53	98	337285	45.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.62%	
62) 4-Bromofluorobenzene	11.40	95	143317	48.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	60400	22.559	ug/l	95
3) Chloromethane	1.09	50	60480	22.229	ug/l #	89
4) Vinyl Chloride	1.13	62	59344	22.552	ug/l	96
5) Bromomethane	1.31	94	39747	21.501	ug/l	83
6) Chloroethane	1.39	64	31520	23.203	ug/l	97
7) Trichlorofluoromethane	1.47	101	79209	22.721	ug/l	96
8) Diethyl Ether	1.62	74	17048	21.997	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.82	101	54468	22.175	ug/l	90
10) Methyl Iodide	1.90	142	98133m	22.821	ug/l	
11) Tert butyl alcohol	2.56	59	13265	119.908	ug/l	96
12) 1,1-Dichloroethene	1.79	96	46450	21.913	ug/l	98
13) Acrolein	2.00	56	9160	76.701	ug/l	93
14) Allyl chloride	2.09	41	61182	22.611	ug/l	95
15) Acrylonitrile	2.93	53	34918	103.796	ug/l	95
16) Acetone	2.22	43	49198	121.186	ug/l	92
17) Carbon Disulfide	1.81	76	129867	21.194	ug/l	97
18) Methyl Acetate	2.33	43	18935	20.582	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	79492	20.696	ug/l	99
20) Methylene Chloride	2.17	84	54597m	25.776	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	50406	22.787	ug/l	96
22) Diisopropyl ether	2.79	45	143019	21.974	ug/l	99
23) Vinyl Acetate	3.17	43	290780	113.334	ug/l	97
24) 1,1-Dichloroethane	2.86	63	83393	22.036	ug/l	98
25) 2-Butanone	4.32	43	86065	107.044	ug/l	93
26) 2,2-Dichloropropane	3.58	77	38180	21.389	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	59598	21.376	ug/l	100
28) Bromochloromethane	3.70	49	31839	20.276	ug/l #	72
29) Tetrahydrofuran	4.06	42	35445	101.370	ug/l	98
30) Chloroform	3.84	83	98274	22.919	ug/l	94
31) Cyclohexane	3.67	56	83126m	22.235	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	65300	22.932	ug/l	93
36) 1,1-Dichloropropene	4.26	75	77522	22.886	ug/l	99
37) Ethyl Acetate	4.09	43	31052	20.416	ug/l #	85
38) Carbon Tetrachloride	3.97	117	55613m	22.465	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87590	22.026	ug/l	96
40) Benzene	4.61	78	202249	22.533	ug/l	98
41) Methacrylonitrile	4.73	41	18480	22.742	ug/l	94
42) 1,2-Dichloroethane	4.93	62	51827	23.196	ug/l	99
43) Isopropyl Acetate	6.94	43	38938	21.638	ug/l #	90
44) Trichloroethene	5.49	130	61940	22.528	ug/l	99
45) 1,2-Dichloropropane	6.22	63	47689	22.451	ug/l	98
46) Dibromomethane	6.07	93	28685	22.701	ug/l	88
47) Bromodichloromethane	6.37	83	67519	22.665	ug/l #	98
48) Methyl methacrylate	6.69	41	23491	20.198	ug/l	98
49) 1,4-Dioxane	6.69	88	4905	474.144	ug/l #	65
51) 4-Methyl-2-Pentanone	8.24	43	137481	107.588	ug/l	96
52) Toluene	7.60	92	119604	21.809	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	54057	21.494	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	71251	21.712	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	34031	22.234	ug/l	95
56) Ethyl methacrylate	8.60	69	37572	21.594	ug/l	94
57) 1,3-Dichloropropane	8.83	76	54399	21.306	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	27755	88.070	ug/l	93
59) 2-Hexanone	9.47	43	108546	117.374	ug/l	98
60) Dibromochloromethane	8.69	129	48544	22.846	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35637	21.706	ug/l	99
64) Tetrachloroethene	8.13	164	50946	21.321	ug/l	95
65) Chlorobenzene	9.78	112	132892	21.713	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.91	131	54309	22.892	ug/l	93
67) Ethyl Benzene	9.88	91	223652	21.342	ug/l	96
68) m/p-Xylenes	10.11	106	167609	42.525	ug/l	94
69) o-Xylene	10.70	106	93463	22.161	ug/l	92
70) Styrene	10.77	104	131190	22.453	ug/l	97
71) Bromoform	10.75	173	26694	22.246	ug/l	99
73) Isopropylbenzene	11.11	105	272545	22.001	ug/l	99
74) N-amyl acetate	11.36	43	63525	22.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	45079	22.046	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	31543	22.061	ug/l	96
77) Bromobenzene	11.48	156	62090	21.643	ug/l	91
78) n-propylbenzene	11.58	91	309934	21.759	ug/l	100
79) 2-Chlorotoluene	11.70	91	173229	21.546	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	221335	22.119	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.86	75	14056m	22.222	ug/l	
82) 4-Chlorotoluene	11.89	91	180583	22.210	ug/l	98
83) tert-Butylbenzene	12.12	119	242686	23.190	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	217642	21.714	ug/l	99
85) sec-Butylbenzene	12.29	105	316084	22.355	ug/l	100
86) p-Isopropyltoluene	12.44	119	268245	22.736	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	130881	23.213	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	119336	21.990	ug/l	97
89) n-Butylbenzene	12.83	91	262903	23.714	ug/l	95
90) Hexachloroethane	12.90	117	61866	22.977	ug/l	97
91) 1,2-Dichlorobenzene	12.92	146	116923	22.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6853	20.885	ug/l	56

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MSVOA_F
ClientSampleId :
VF0320SBSD01

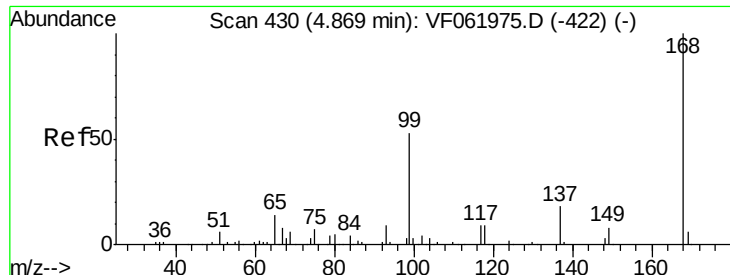
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82369	22.651	ug/l	98
94) Hexachlorobutadiene	14.18	225	54090	22.405	ug/l	98
95) Naphthalene	14.44	128	139368	21.309	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	77162	23.064	ug/l	96

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



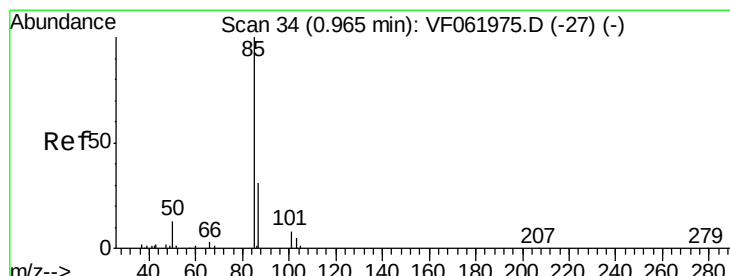
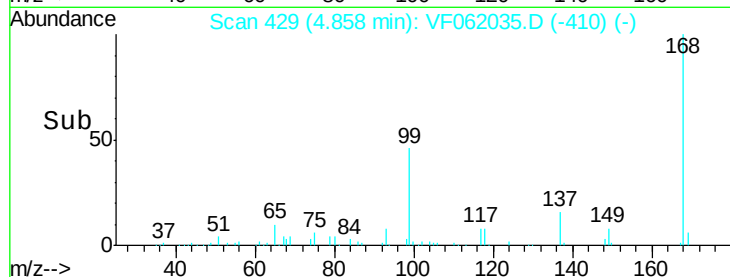
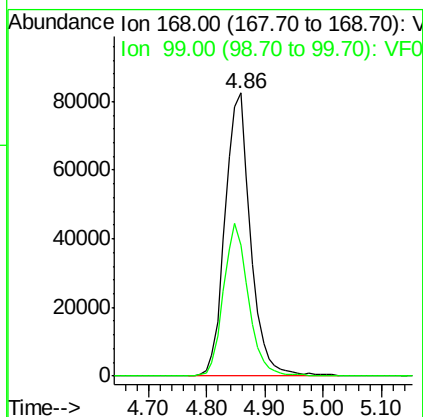
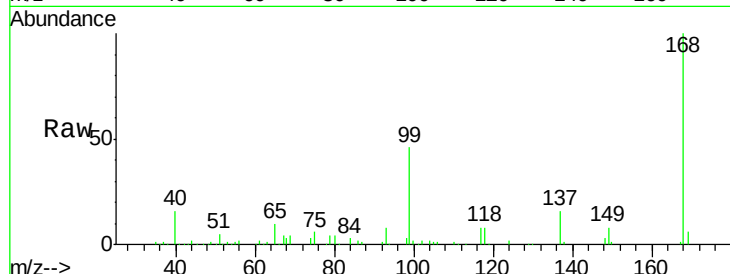
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

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MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	251153		
99	46.5	42.4	63.6	

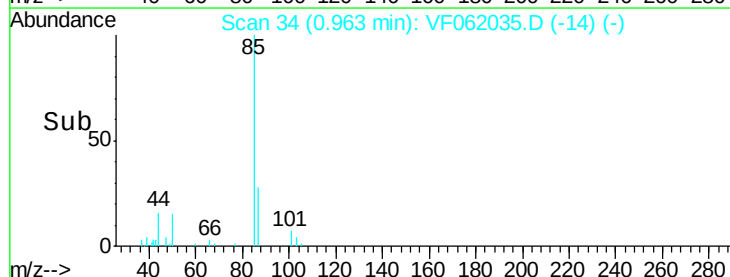
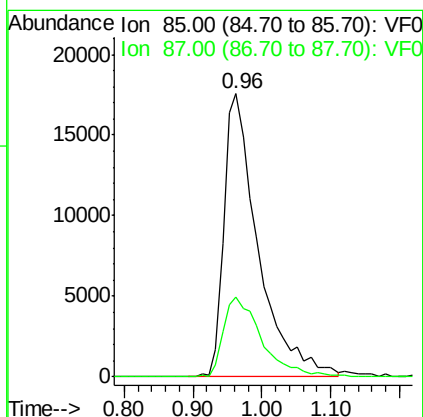
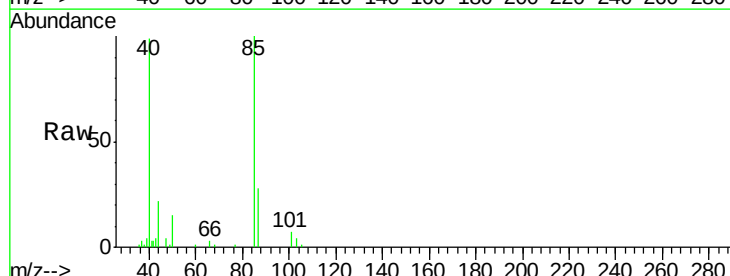
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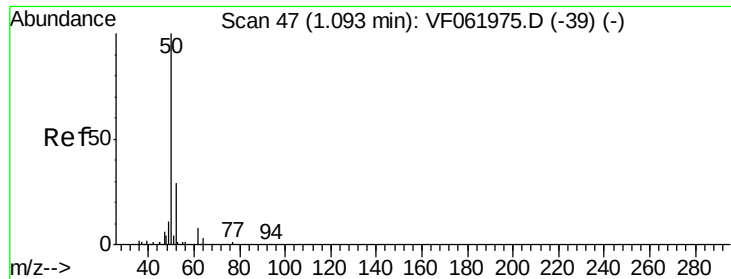
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#2
Dichlorodifluoromethane
Concen: 22.559 ug/l
RT: 0.96 min Scan# 34
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	60400		
87	28.3	15.4	46.2	





#3

Chloromethane

Concen: 22.229 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 50 Resp: 60480

Ion Ratio Lower Upper

50 100

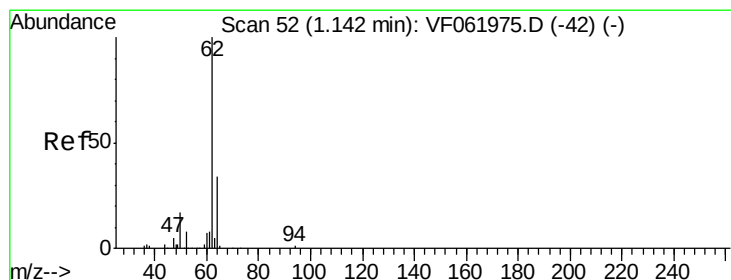
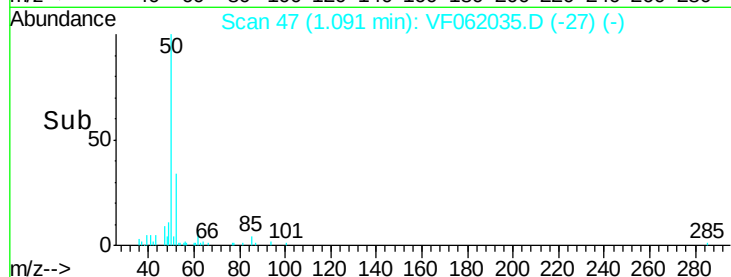
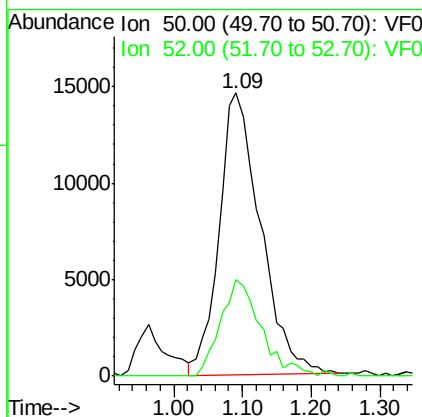
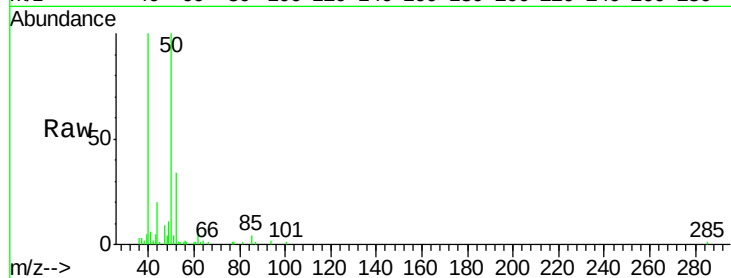
52 34.2 22.6 34.0#

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.552 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF062035.D

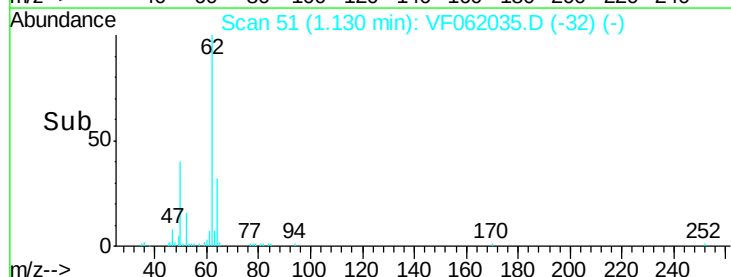
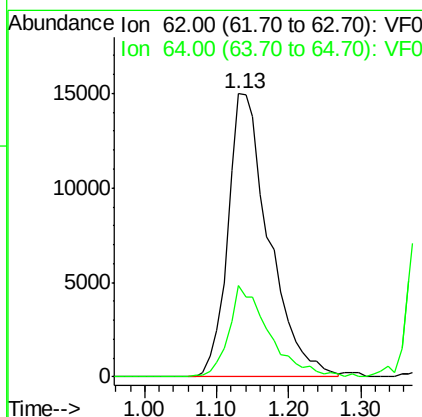
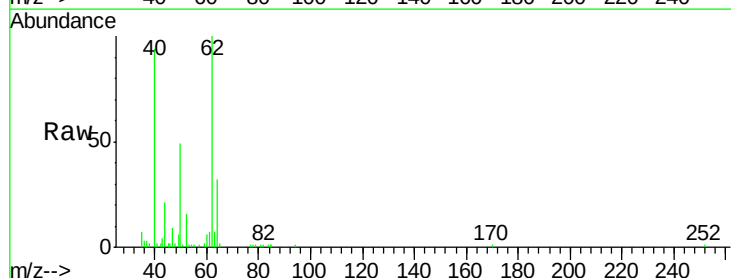
Acq: 20 Mar 2019 12:49

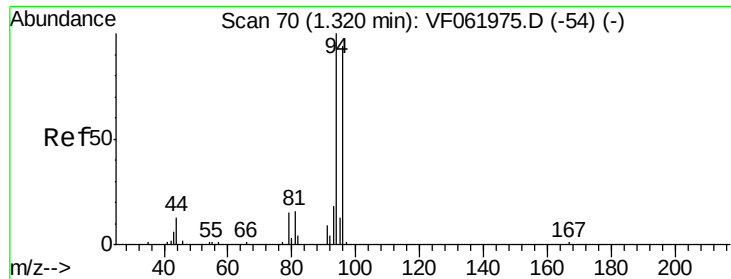
Tgt Ion: 62 Resp: 59344

Ion Ratio Lower Upper

62 100

64 32.1 27.4 41.2





#5

Bromomethane

Concen: 21.501 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 94 Resp: 39747

Ion Ratio Lower Upper

94 100

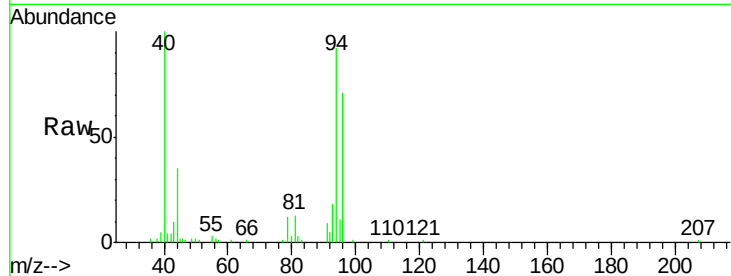
96 77.8 75.0 112.6

Manual Integrations

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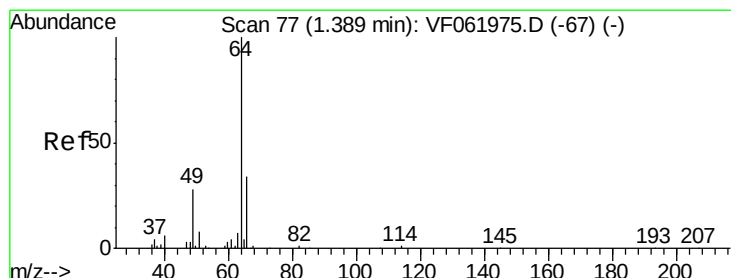
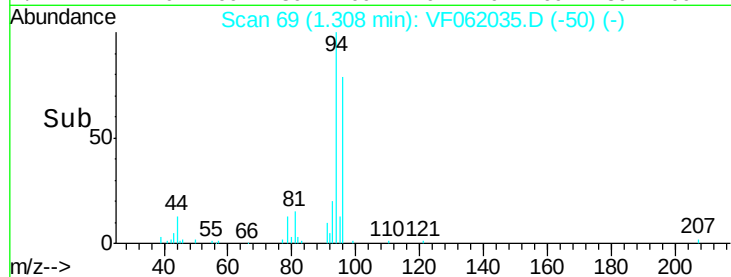
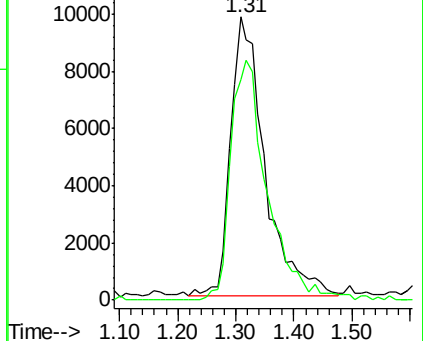
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 23.203 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF062035.D

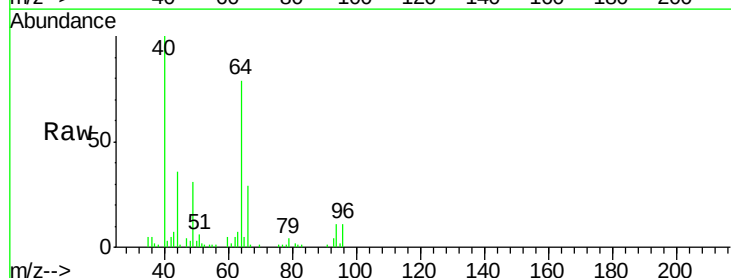
Acq: 20 Mar 2019 12:49

Tgt Ion: 64 Resp: 31520

Ion Ratio Lower Upper

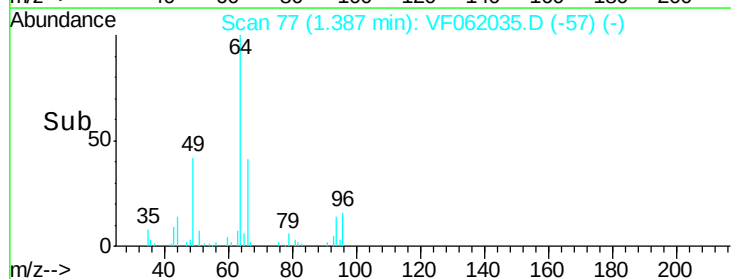
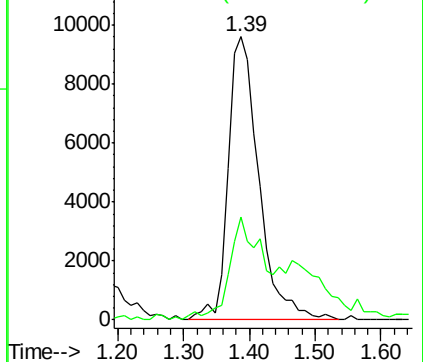
64 100

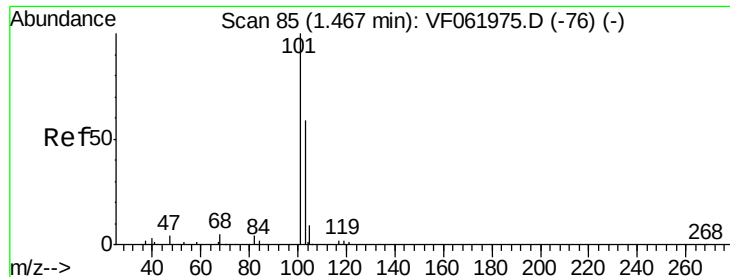
66 36.2 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

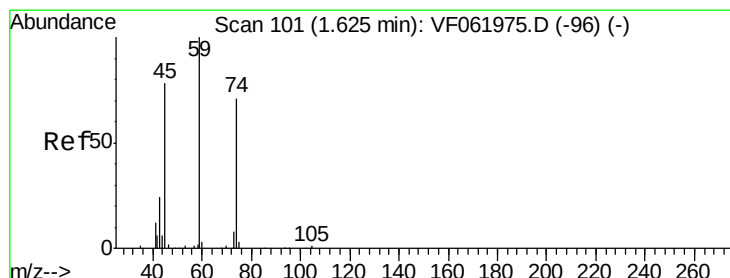
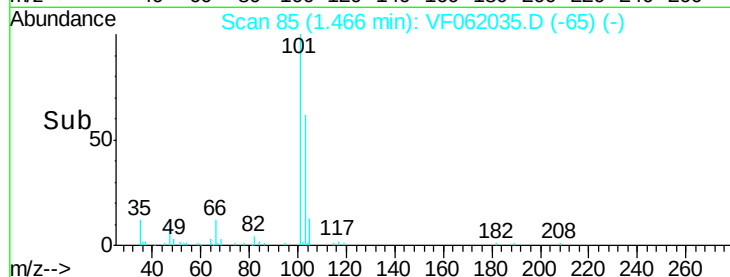
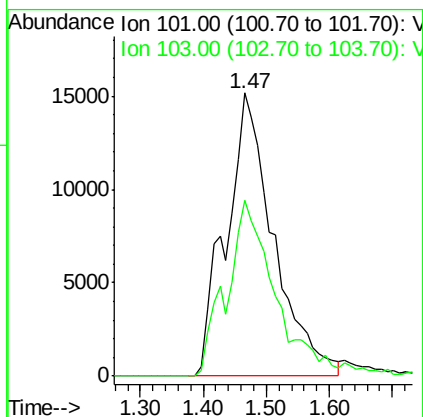
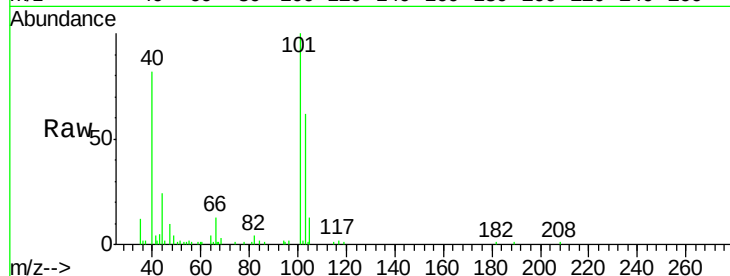
Trichlorofluoromethane
Concen: 22.721 ug/l
RT: 1.47 min Scan# 85
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	47.3	70.9

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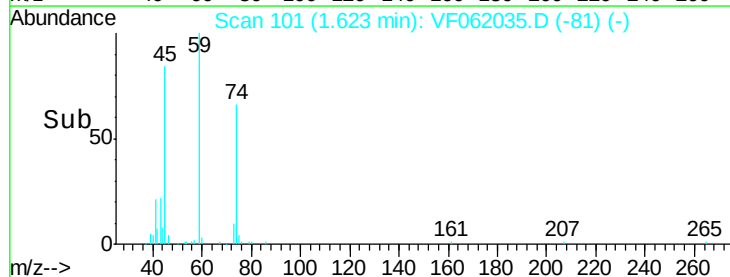
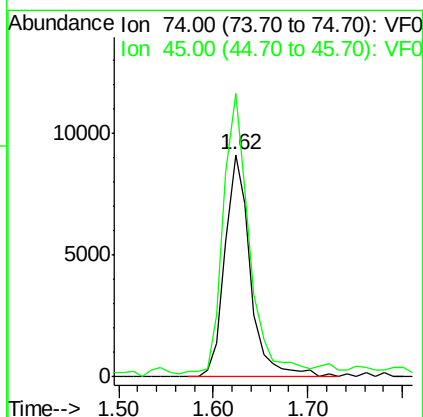
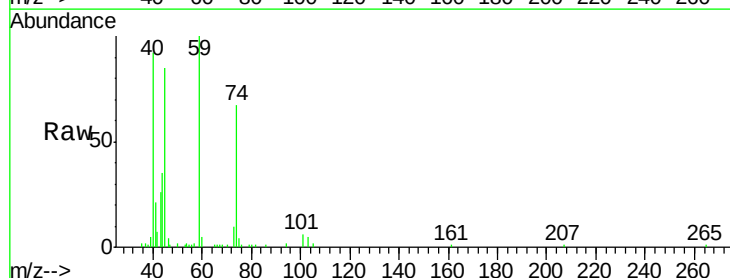
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3/22/2019 4:51:36 PM

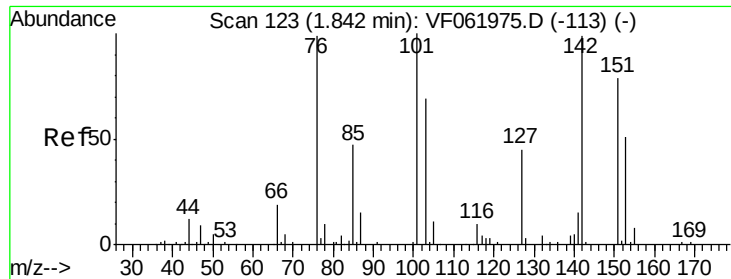


#8

Diethyl Ether
Concen: 21.997 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.2	56.3	168.8





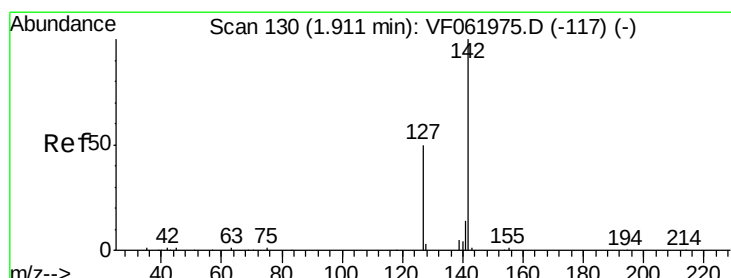
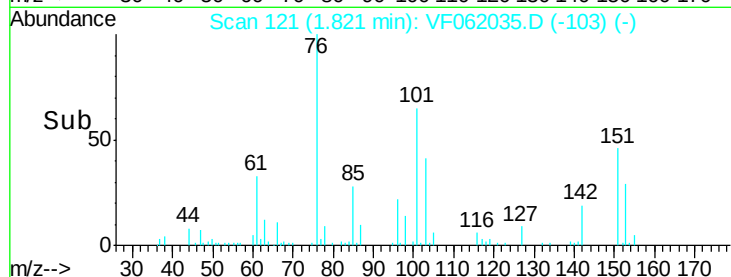
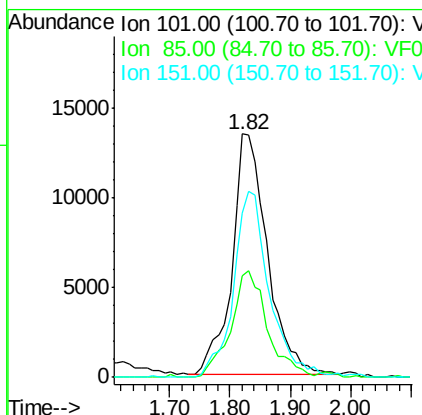
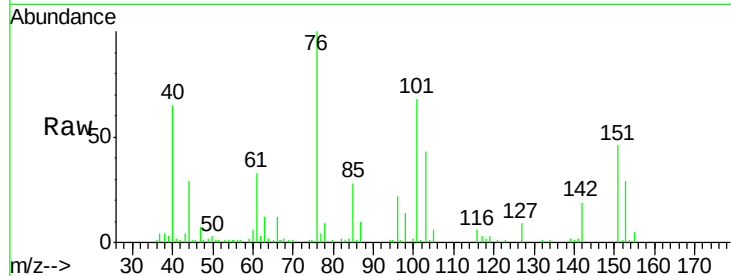
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.175 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	36.8	55.2
151	67.4	62.2	93.2

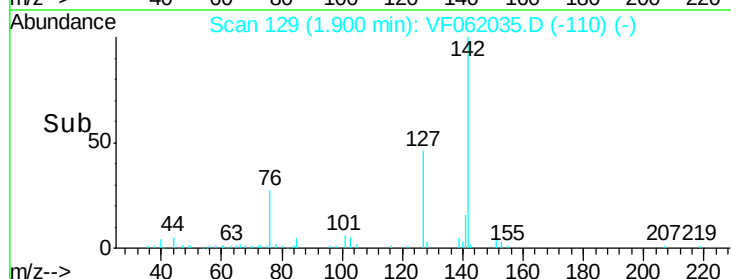
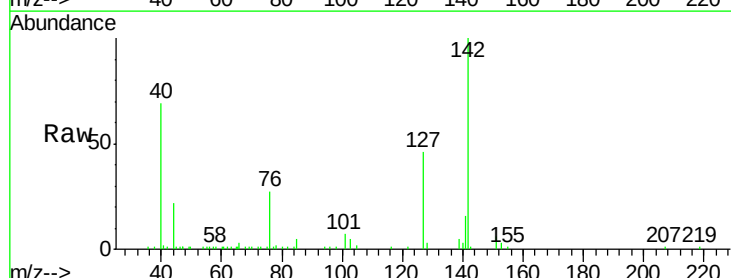
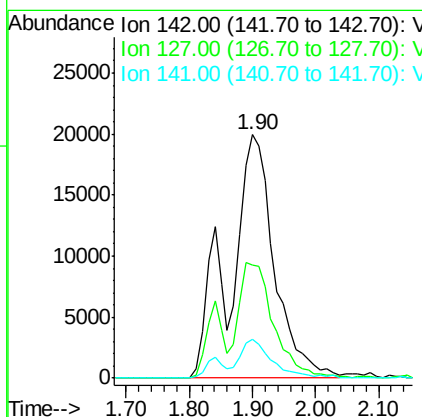
Manual Integrations
APPROVED

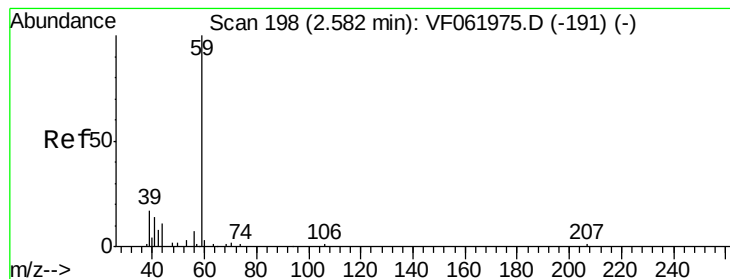
MMDadoda
3/22/2019 4:51:36 PM



#10
Methyl Iodide
Concen: 22.821 ug/l m
RT: 1.90 min Scan# 129
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.2	39.7	59.5
141	15.9	10.8	16.2





#11

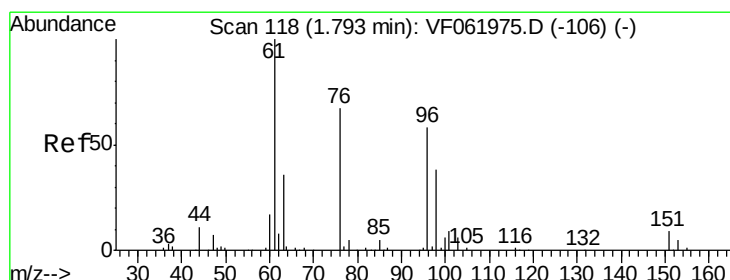
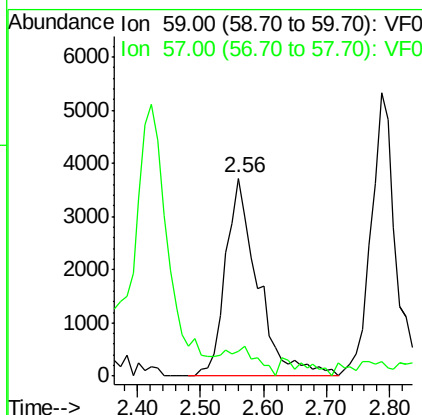
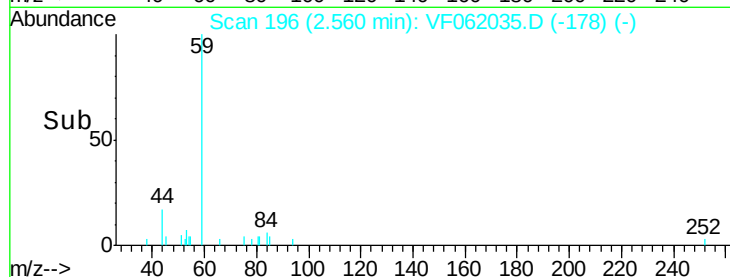
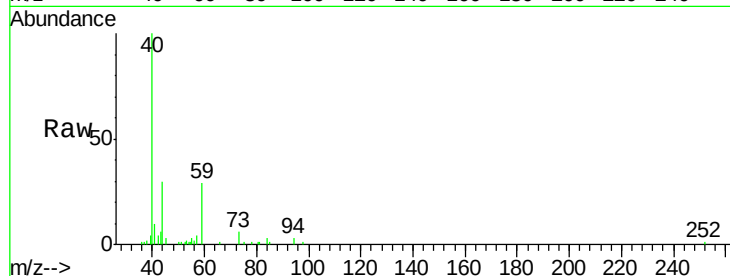
Tert butyl alcohol
Concen: 119.908 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.7	13.1

Manual Integrations
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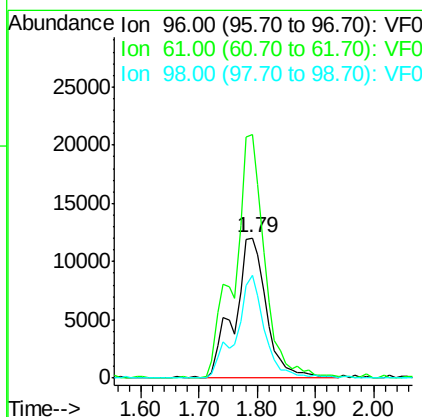
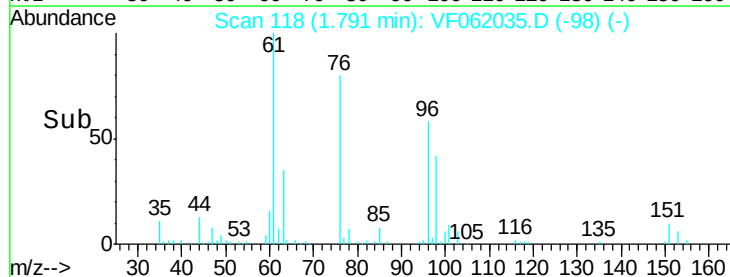
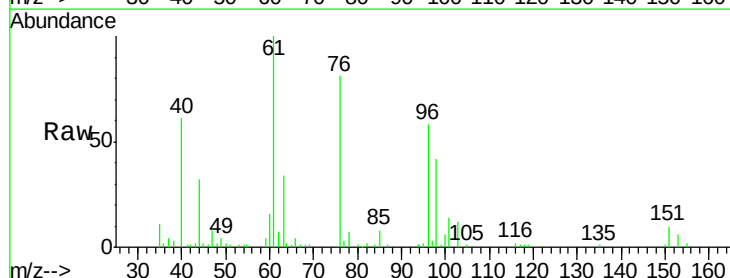
MMDadoda
3/22/2019 4:51:36 PM

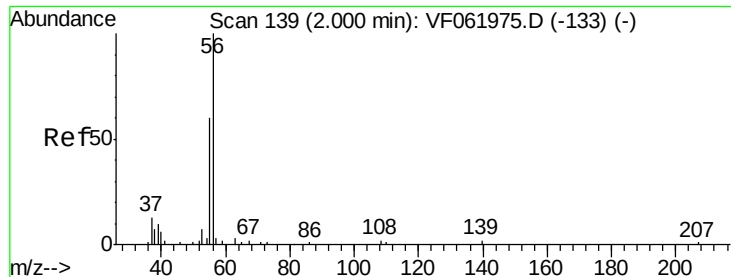


#12

1,1-Dichloroethene
Concen: 21.913 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.5	138.6	208.0
98	73.2	53.2	79.8





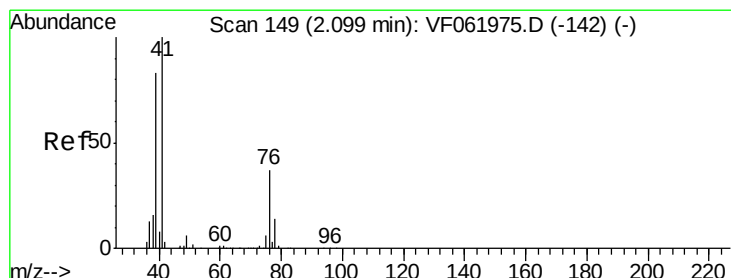
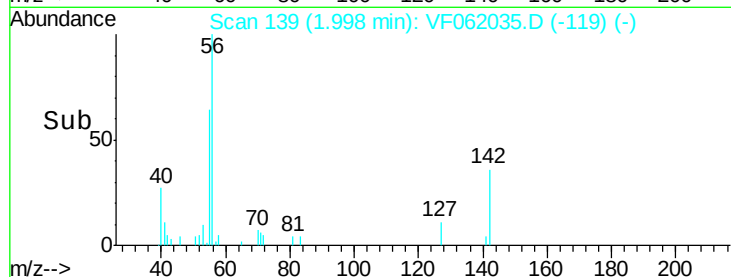
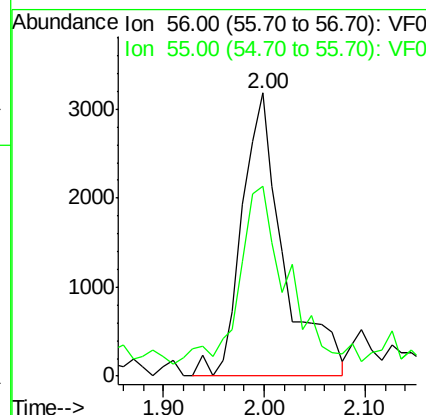
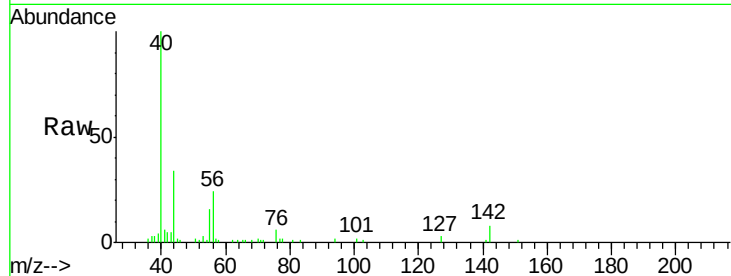
#13
Acrolein
Concen: 76.701 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.1	49.1	73.7

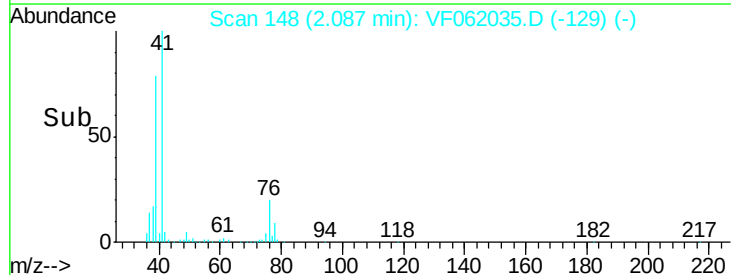
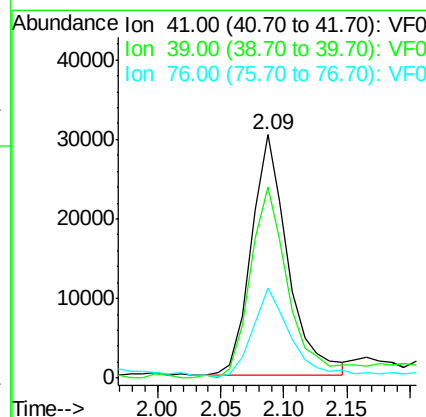
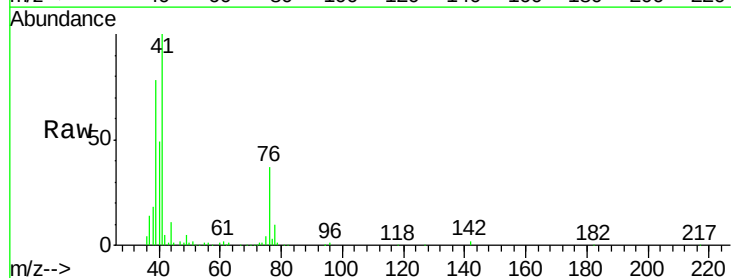
Manual Integrations
APPROVED

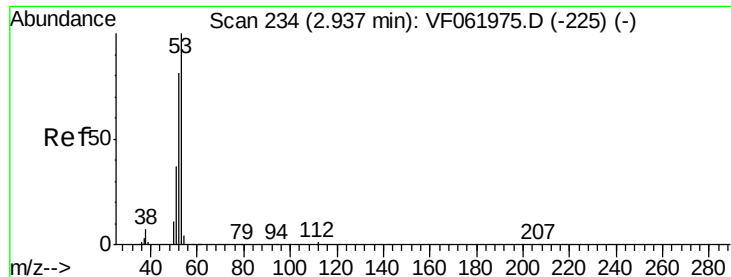
MMDadoda
3/22/2019 4:51:36 PM



#14
Allyl chloride
Concen: 22.611 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.4	66.8	100.2
76	36.8	31.1	46.7





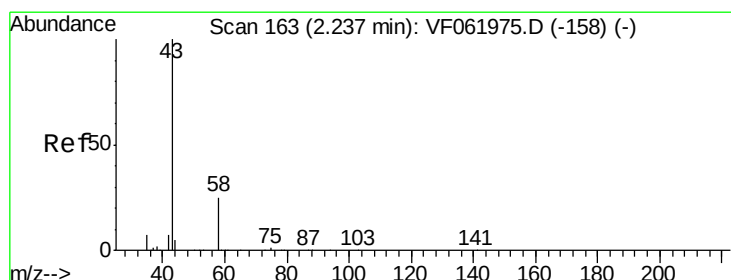
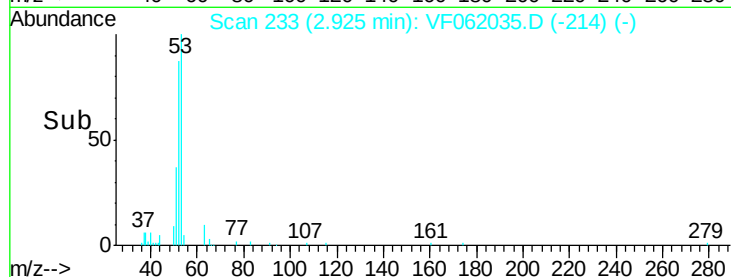
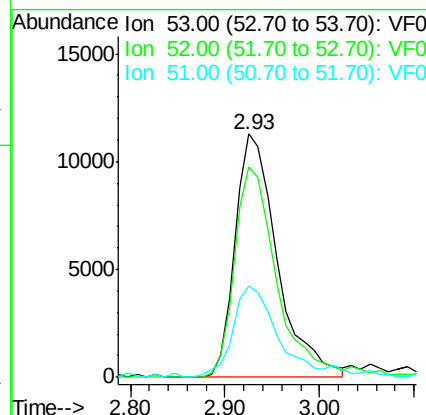
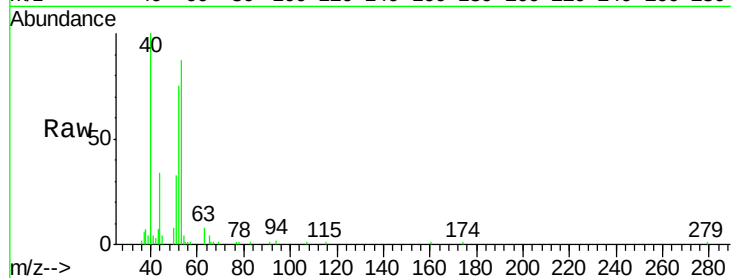
#15
 Acrylonitrile
 Concen: 103.796 ug/l
 RT: 2.93 min Scan# 233
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion:	53	Resp:	34918
Ion	Ratio	Lower	Upper
53	100		
52	86.5	64.4	96.6
51	37.7	30.3	45.5

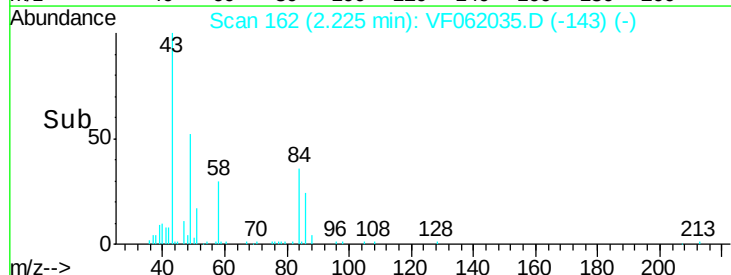
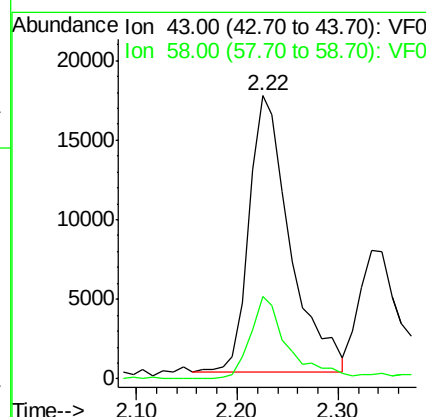
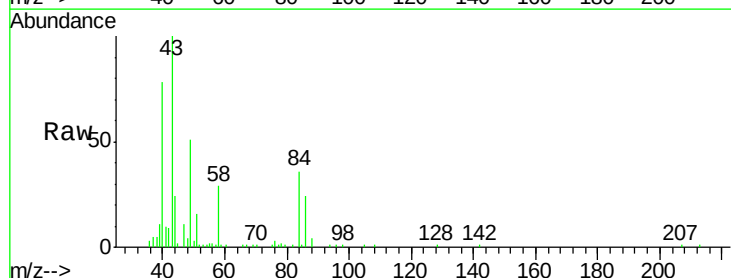
Manual Integrations
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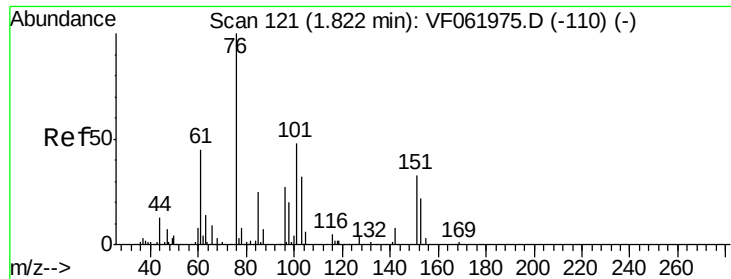
MMDadoda
 3/22/2019 4:51:36 PM



#16
 Acetone
 Concen: 121.186 ug/l
 RT: 2.22 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion:	43	Resp:	49198
Ion	Ratio	Lower	Upper
43	100		
58	29.1	19.9	29.9





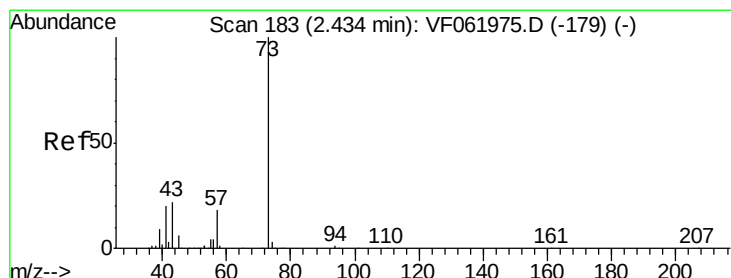
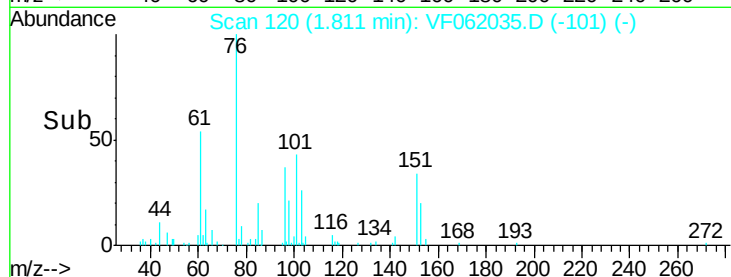
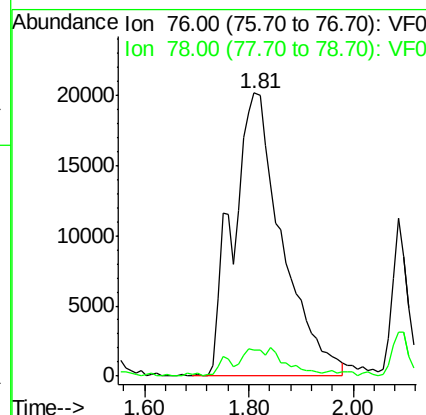
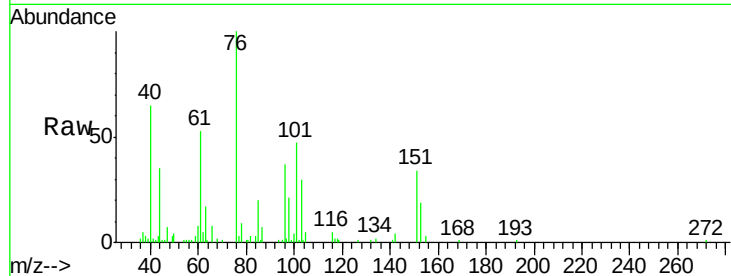
#17
Carbon Disulfide
Concen: 21.194 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2

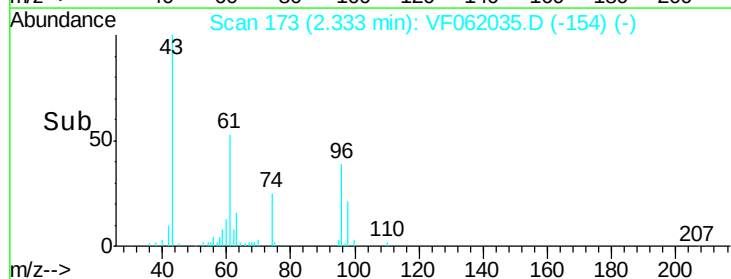
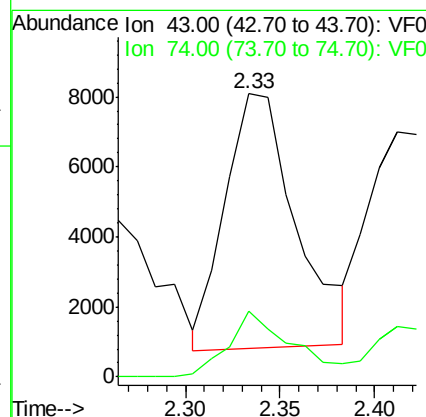
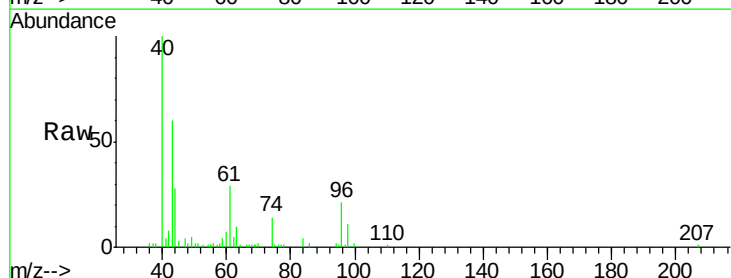
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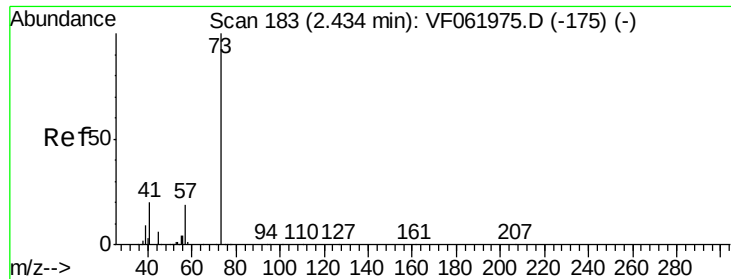
MMDadoda
3/22/2019 4:51:36 PM



#18
Methyl Acetate
Concen: 20.582 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.3	27.5





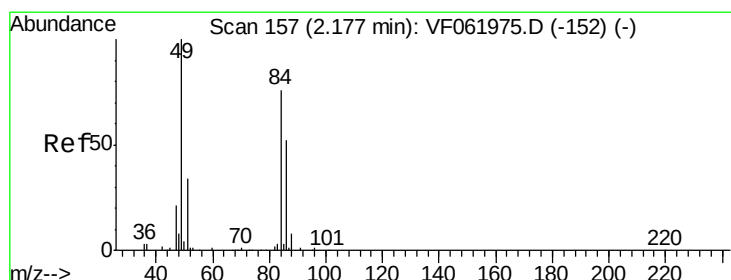
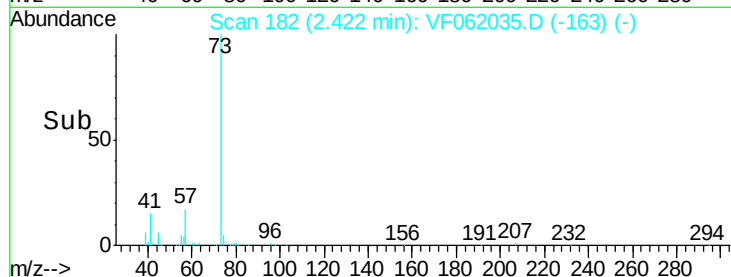
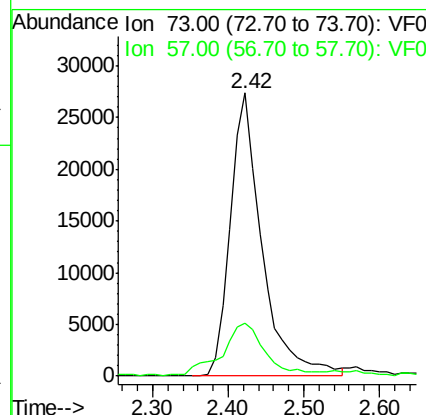
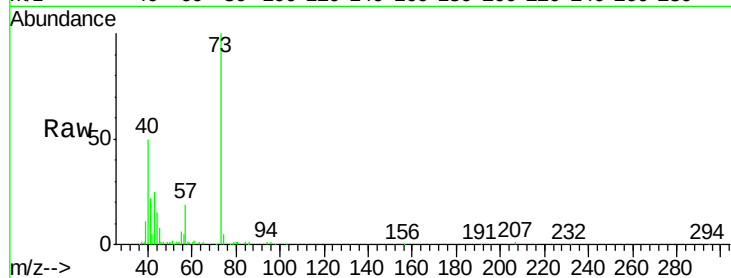
#19
Methyl tert-butyl Ether
Concen: 20.696 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 73 Resp: 79492
Ion Ratio Lower Upper
73 100
57 18.7 15.3 22.9

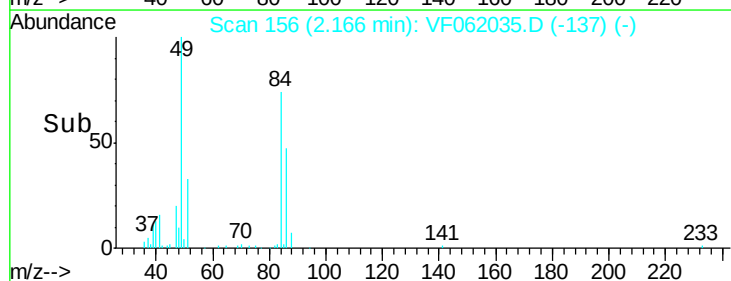
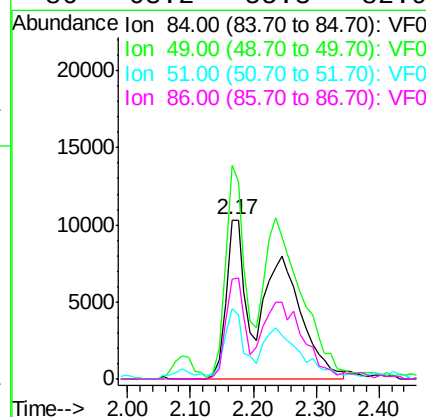
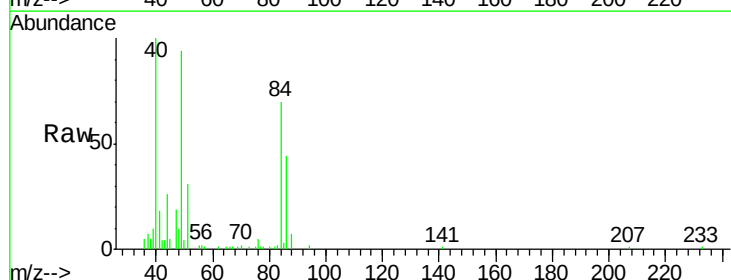
Manual Integrations
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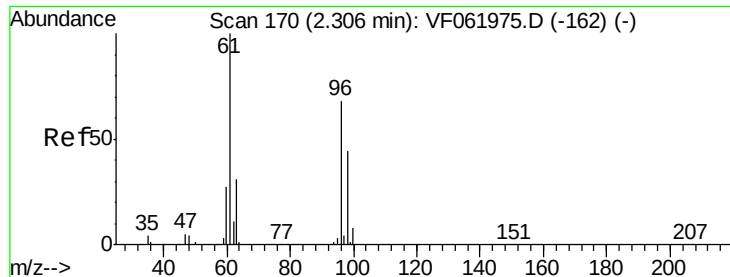
MMDadoda
3/22/2019 4:51:36 PM



#20
Methylene Chloride
Concen: 25.776 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 84 Resp: 54597
Ion Ratio Lower Upper
84 100
49 134.5 107.0 160.6
51 44.5 37.2 55.8
86 63.2 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 22.787 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

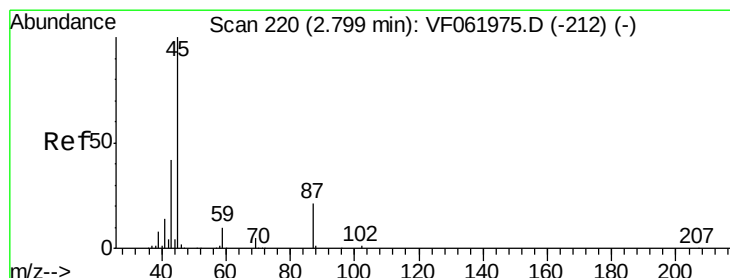
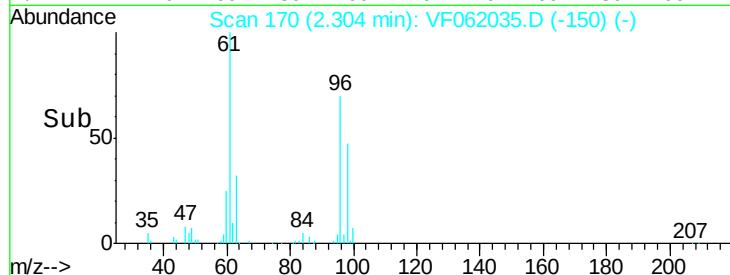
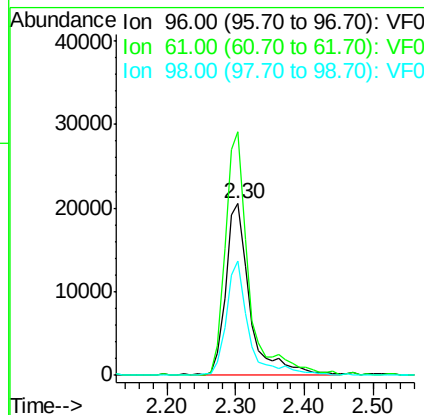
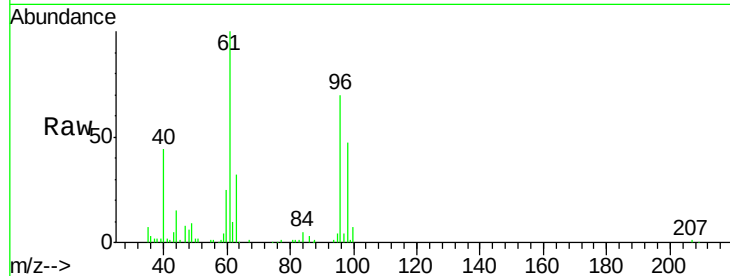
ClientSampleId :

VF0320SBS01

Tot Ion:	96	Resp:	50406
Ion	Ratio	Lower	Upper
96	100		
61	141.9	117.4	176.2
98	66.6	51.2	76.8

Manual Integrations
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MMDadoda
3/22/2019 4:51:36 PM



#22

Diisopropyl ether

Concen: 21.974 ug/l

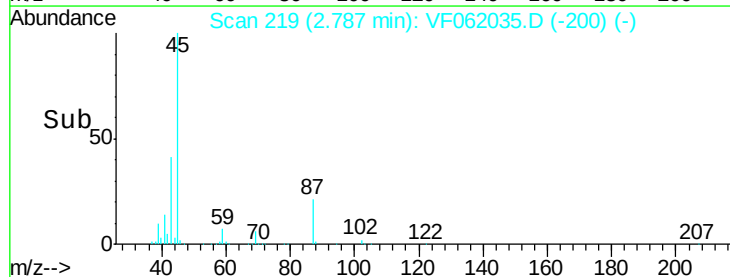
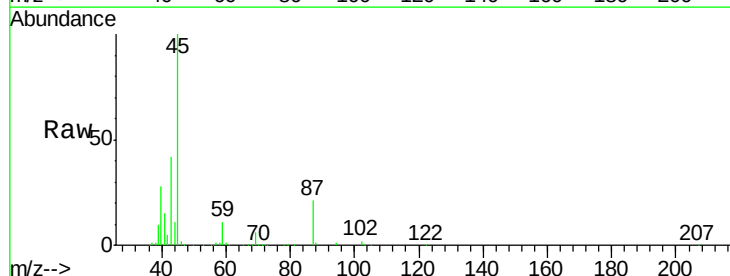
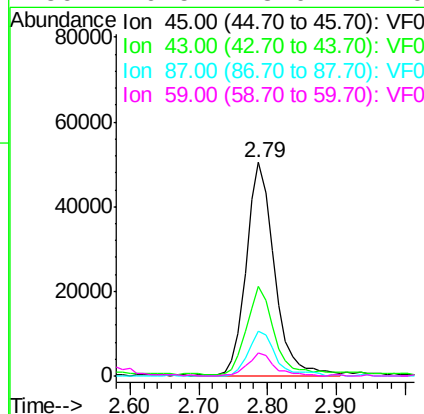
RT: 2.79 min Scan# 219

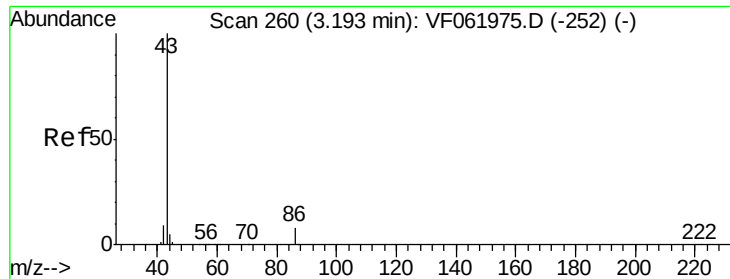
Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	45	Resp:	143019
Ion	Ratio	Lower	Upper
45	100		
43	41.9	33.7	50.5
87	21.0	17.1	25.7
59	10.5	8.0	12.0





#23

Vinyl Acetate

Concen: 113.334 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 290780

Ion Ratio Lower Upper

43 100

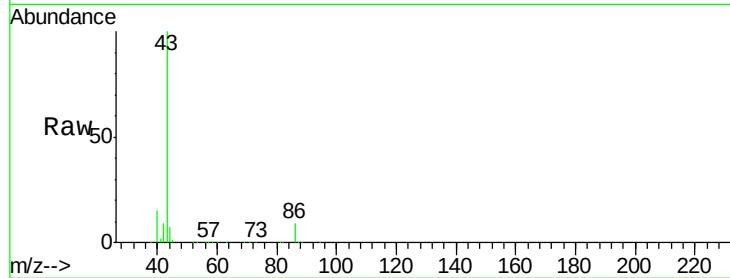
86 9.0 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

120000

100000

80000

60000

40000

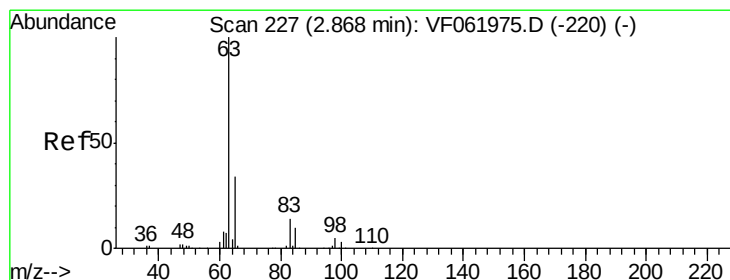
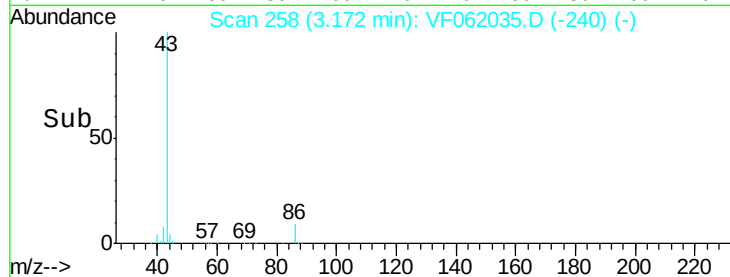
20000

0

3.17

3.00 3.10 3.20 3.30 3.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.036 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

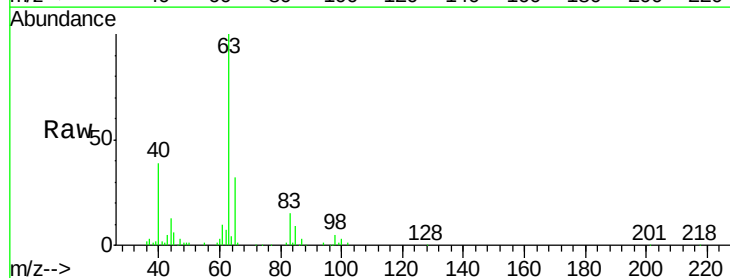
Tgt Ion: 63 Resp: 83393

Ion Ratio Lower Upper

63 100

98 4.5 2.7 8.1

100 3.4 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

40000

30000

20000

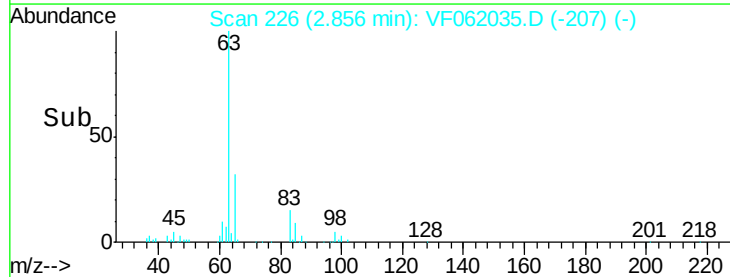
10000

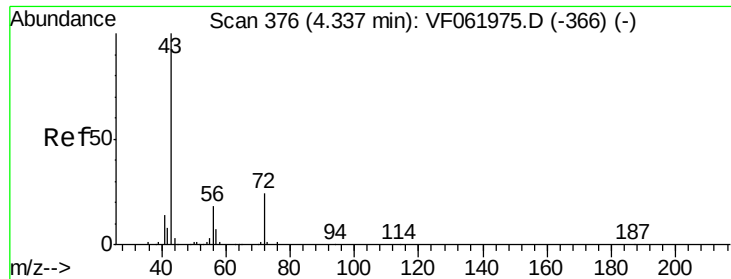
0

2.86

2.70 2.80 2.90 3.00 3.10

Time-->





#25

2-Butanone

Concen: 107.044 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 86065

Ion Ratio Lower Upper

43 100

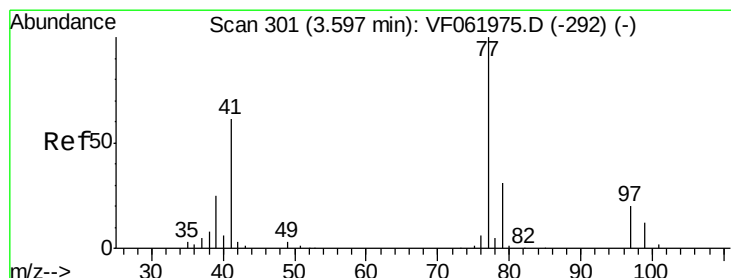
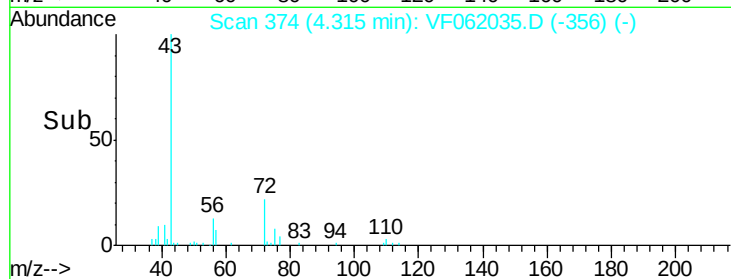
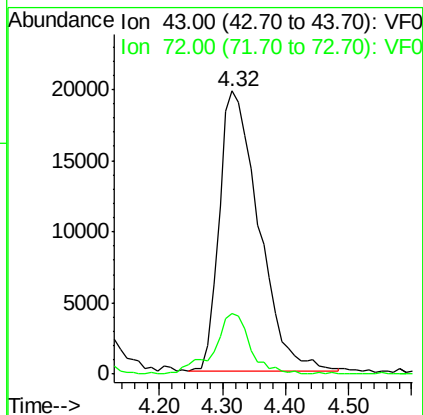
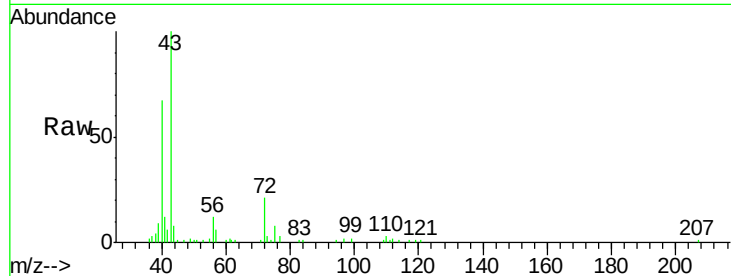
72 21.3 19.8 29.6

Manual Integrations

APPROVED

MMDadoda

3/22/2019 4:51:36 PM



#26

2,2-Dichloropropane

Concen: 21.389 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF062035.D

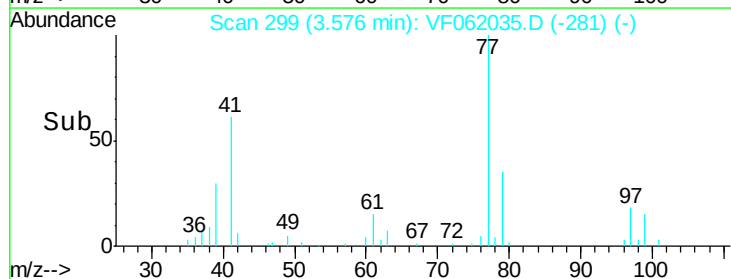
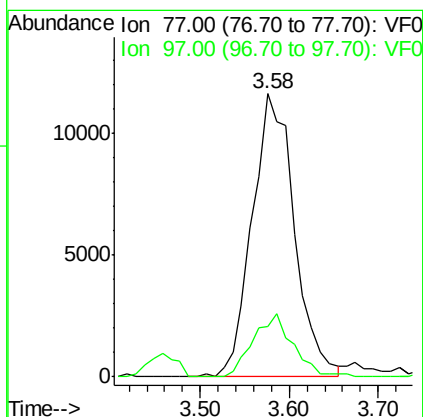
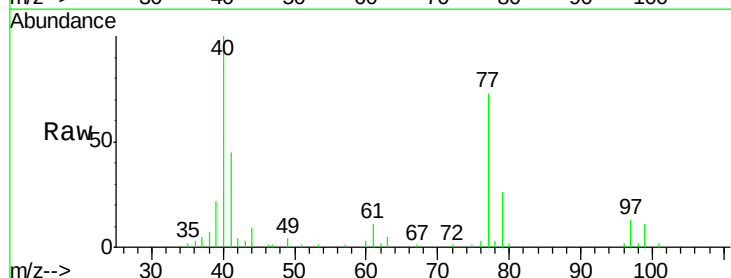
Acq: 20 Mar 2019 12:49

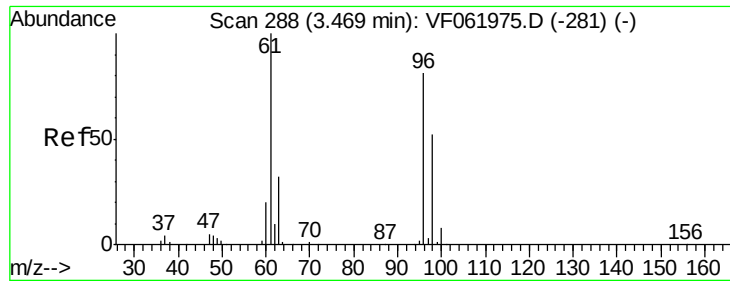
Tgt Ion: 77 Resp: 38180

Ion Ratio Lower Upper

77 100

97 17.7 10.8 32.4





#27

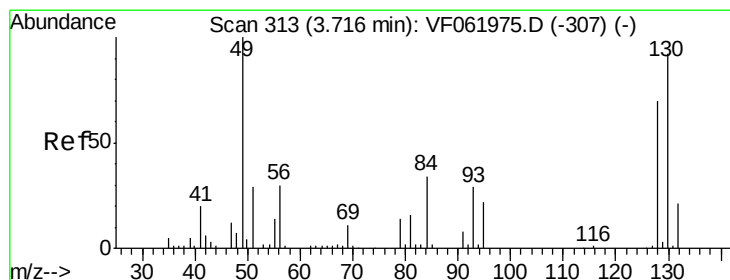
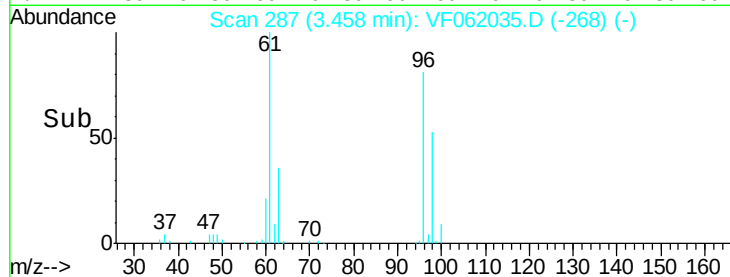
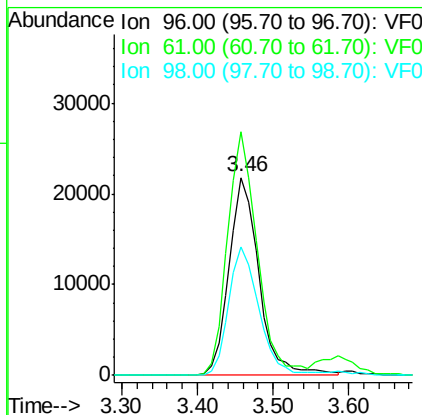
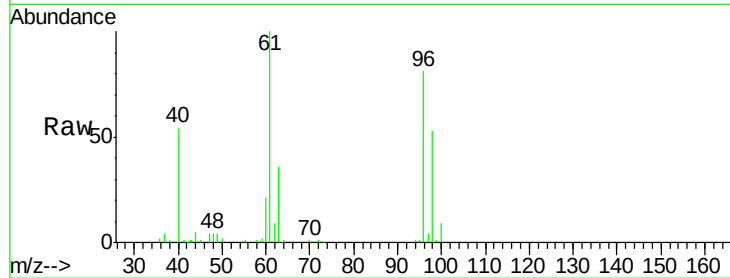
cis-1,2-Dichloroethene
Concen: 21.376 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	123.2	0.0	246.6	
98	65.0	0.0	129.2	

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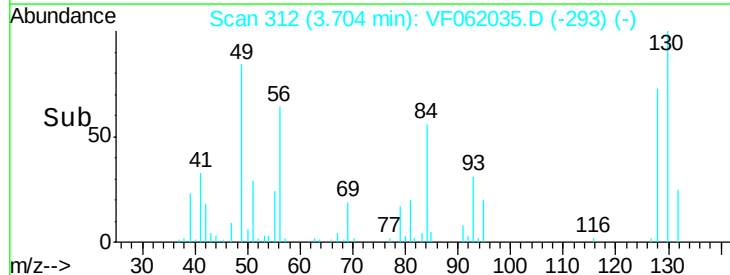
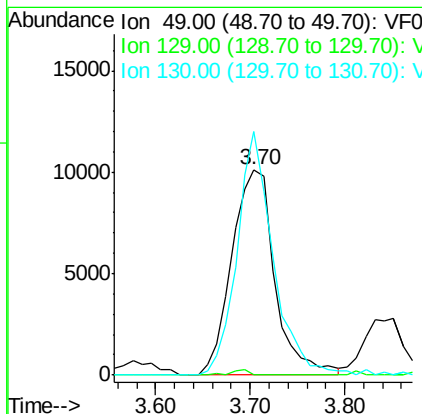
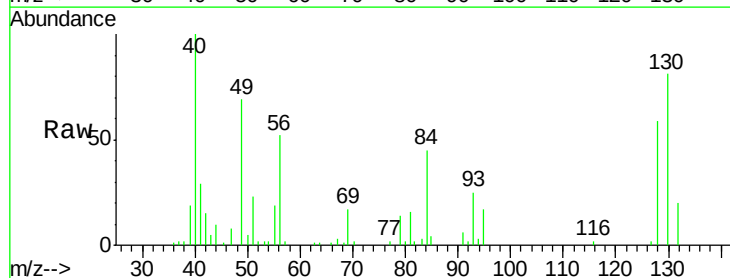
MMDadoda
3/22/2019 4:51:36 PM

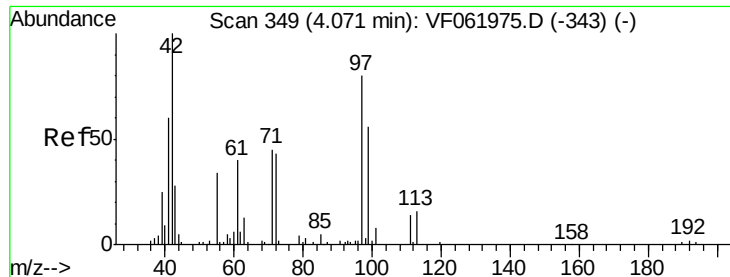


#28

Bromochloromethane
Concen: 20.276 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	5.8	
130	118.4	73.1	109.7#	





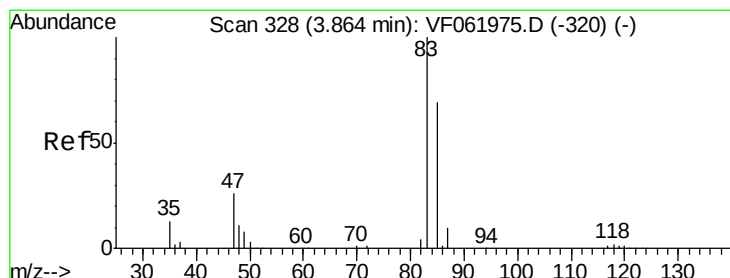
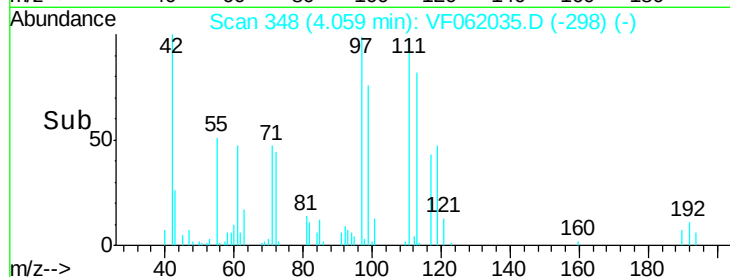
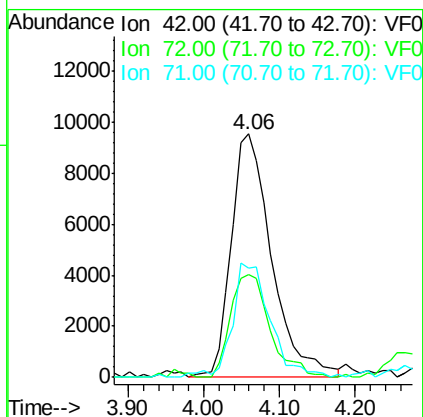
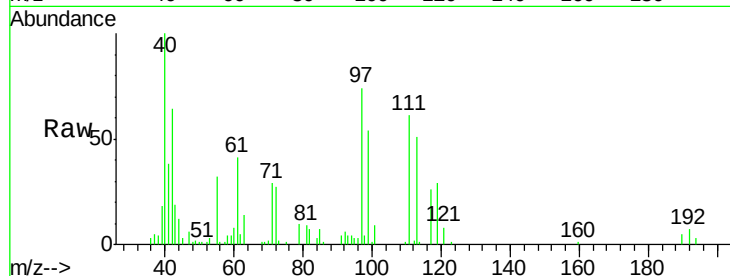
#29
Tetrahydrofuran
Concen: 101.370 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.0	51.0
71	43.8	34.2	51.4

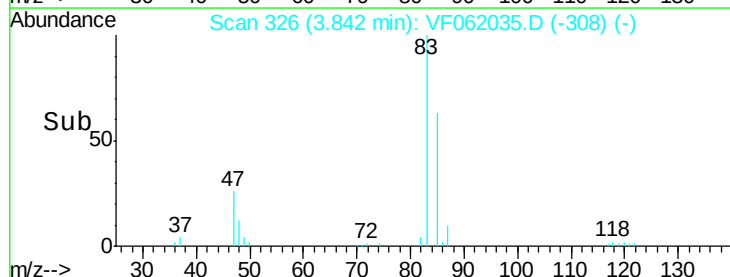
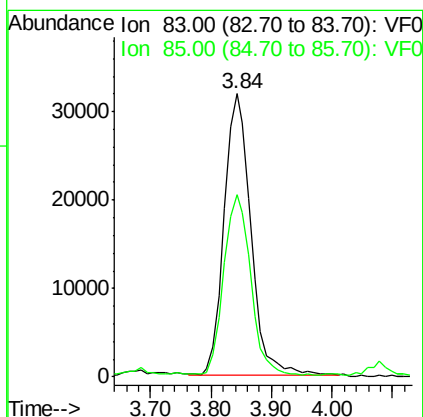
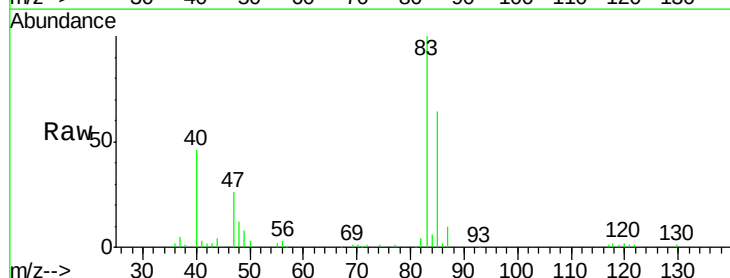
Manual Integrations
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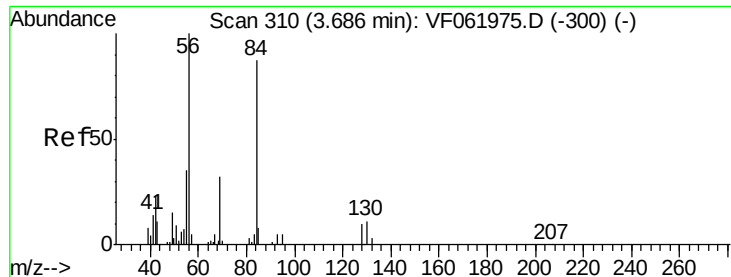
MMDadoda
3/22/2019 4:51:36 PM



#30
Chloroform
Concen: 22.919 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	55.5	83.3





#31

Cyclohexane

Concen: 22.235 ug/l m

RT: 3.67 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

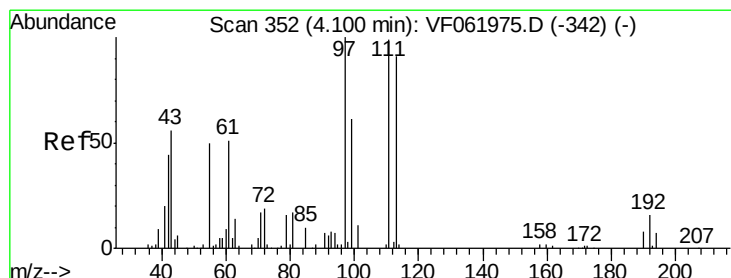
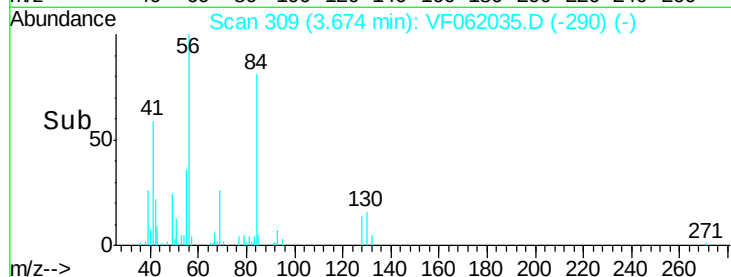
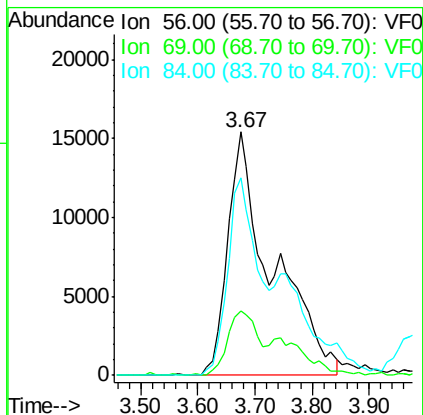
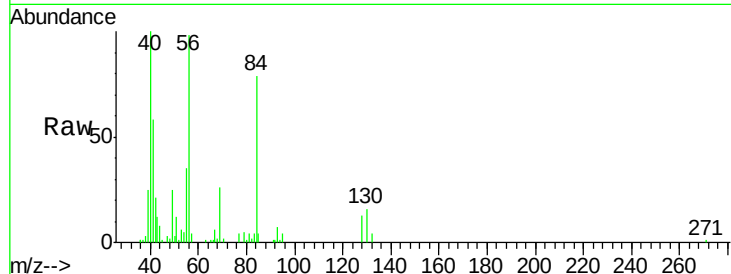
ClientSampleId :

VF0320SBS01

Tot Ion:	56	Resp:	83126
Ion Ratio	Lower	Upper	
56	100		
69	26.4	25.8	38.8
84	81.2	69.5	104.3

Manual Integrations
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3/22/2019 4:51:36 PM



#32

1,1,1-Trichloroethane

Concen: 22.932 ug/l

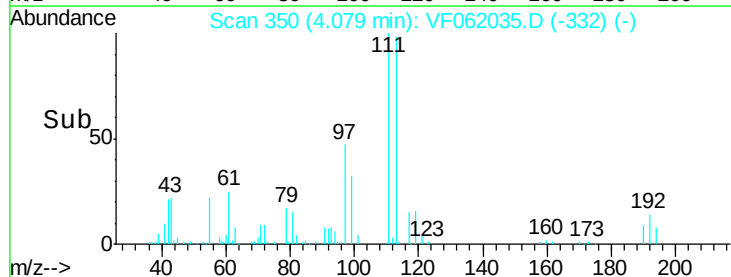
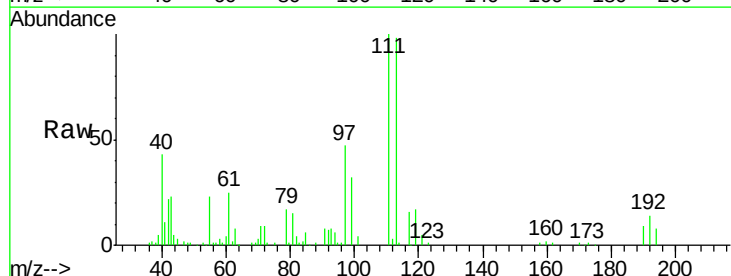
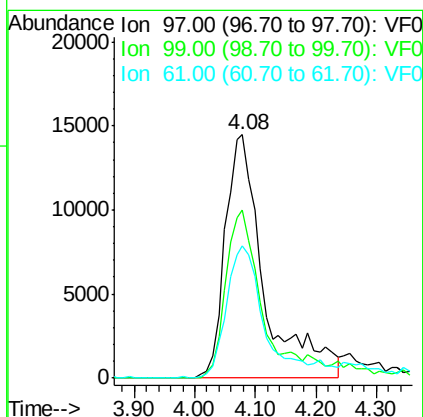
RT: 4.08 min Scan# 350

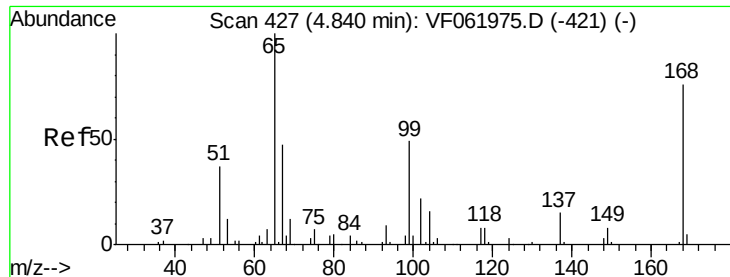
Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	97	Resp:	65300
Ion Ratio	Lower	Upper	
97	100		
99	68.8	49.0	73.4
61	54.1	41.4	62.0





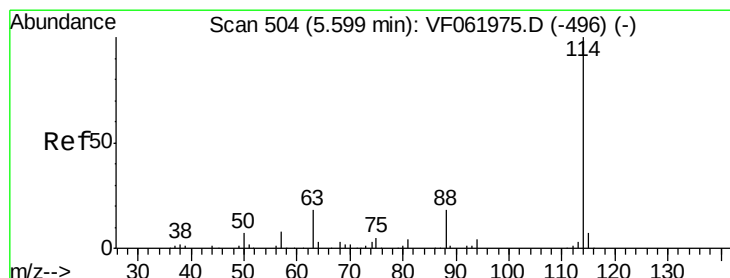
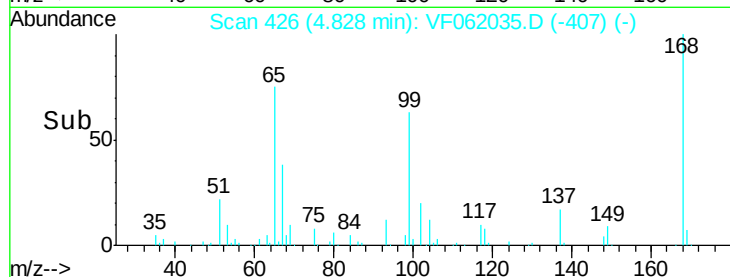
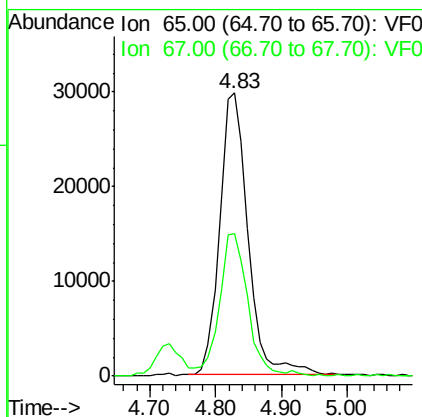
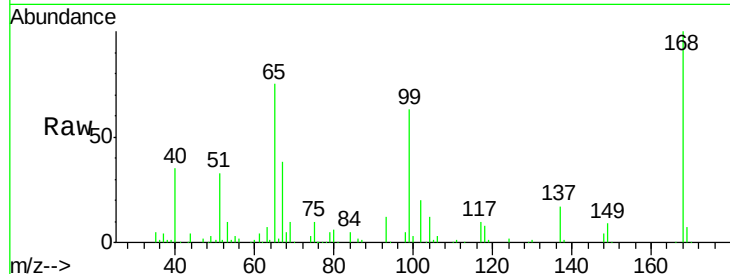
#33
 1,2-Dichloroethane-d4
 Concen: 49.519 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89526		
67	50.2	0.0	109.4	

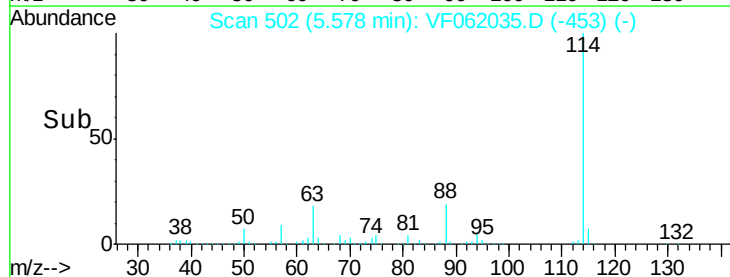
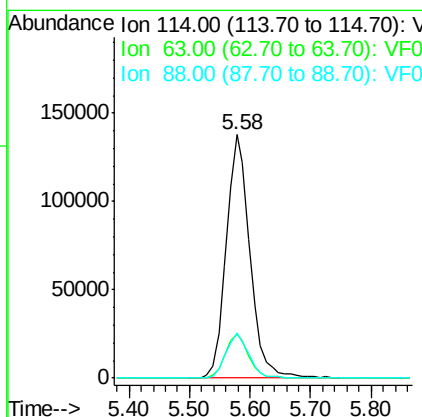
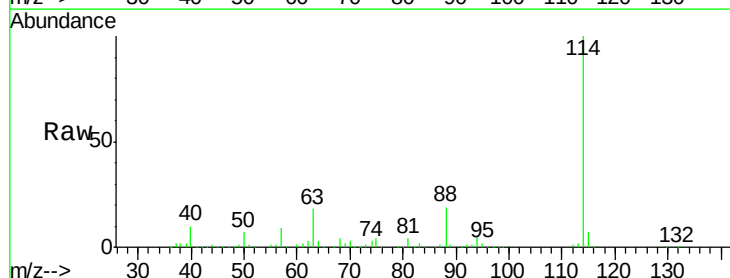
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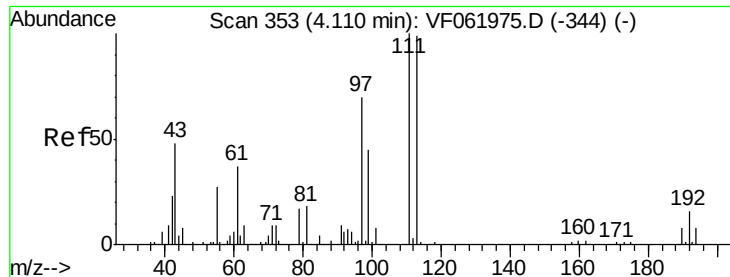
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 3/22/2019 4:51:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375096		
63	18.1	0.0	36.4	
88	18.7	0.0	36.4	





#35

Dibromofluoromethane

Concen: 50.953 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

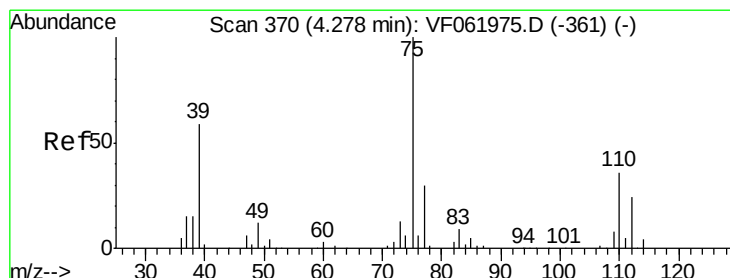
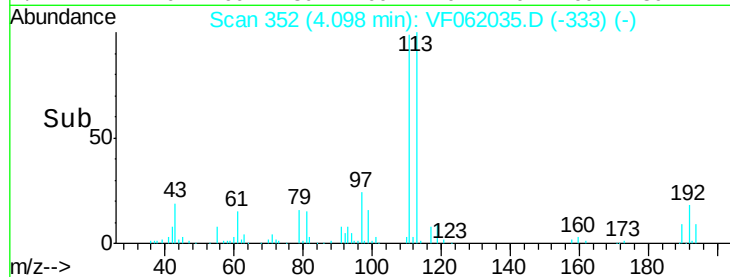
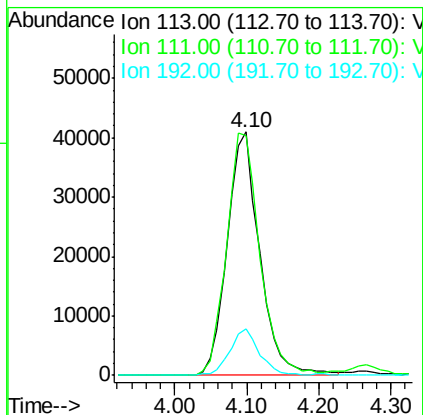
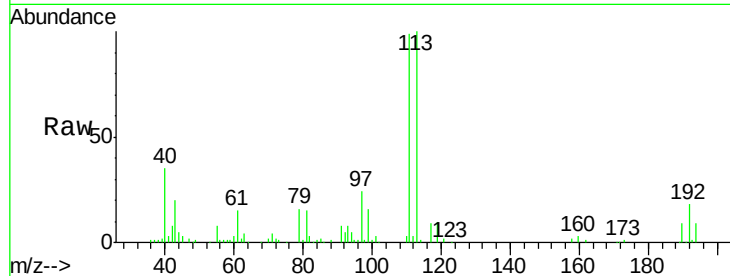
ClientSampleId :

VF0320SBS01

Tot Ion:	113	Resp:	128343
Ion	Ratio	Lower	Upper
113	100		
111	98.6	80.8	121.2
192	19.1	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.886 ug/l

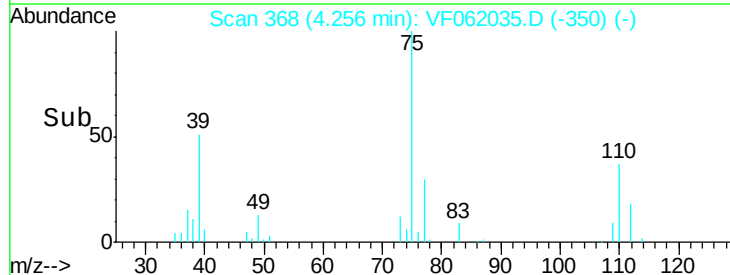
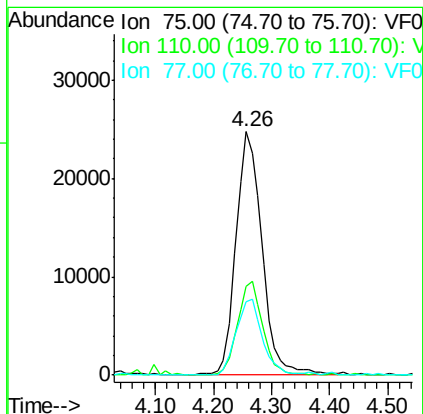
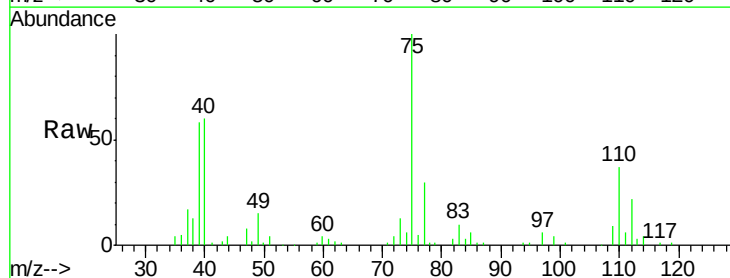
RT: 4.26 min Scan# 368

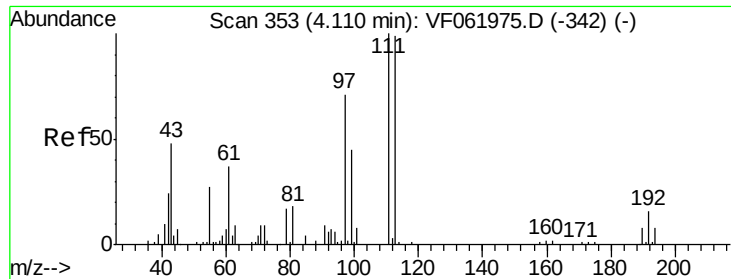
Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	75	Resp:	77522
Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.8	53.3
77	30.1	24.2	36.2





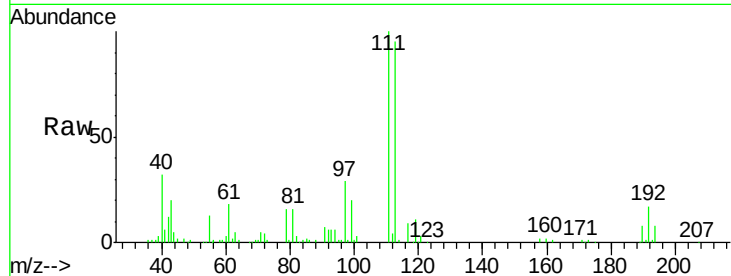
#37
Ethyl Acetate
Concen: 20.416 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
31052	100	88.4	6.2				
		59.8	7.8				
			11.8				

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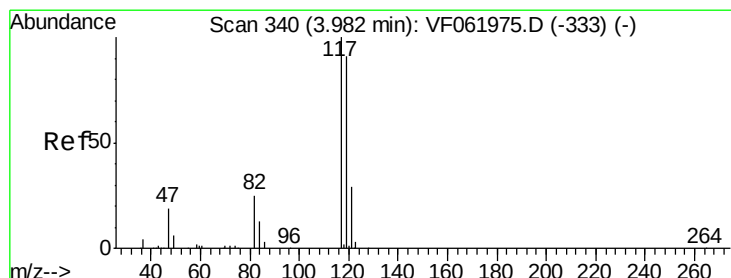
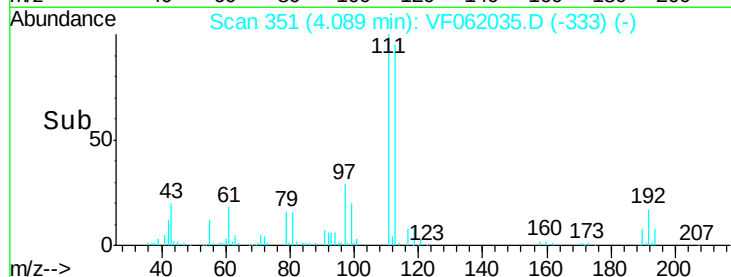
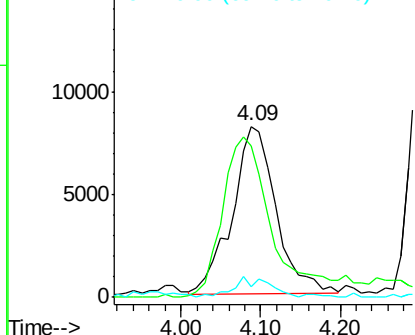


Abundance

Ion 43.00 (42.70 to 43.70): VF0

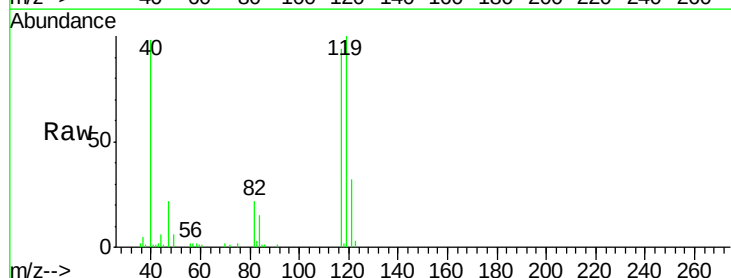
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 22.465 ug/l m
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
55613	100	106.6	34.6				
		73.0	23.0				
			34.6				

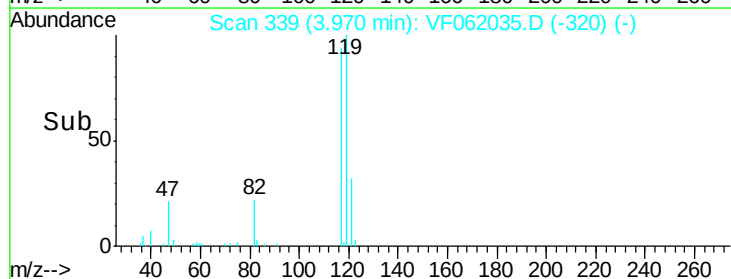
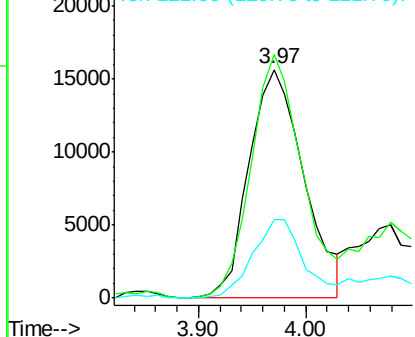


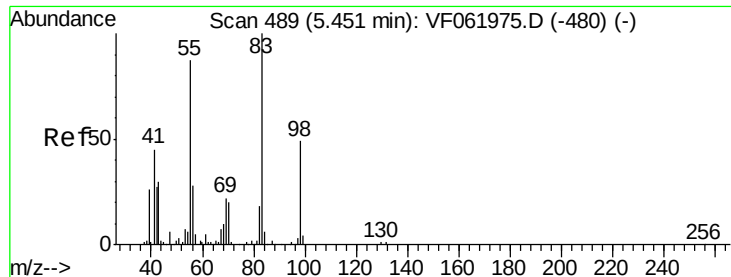
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





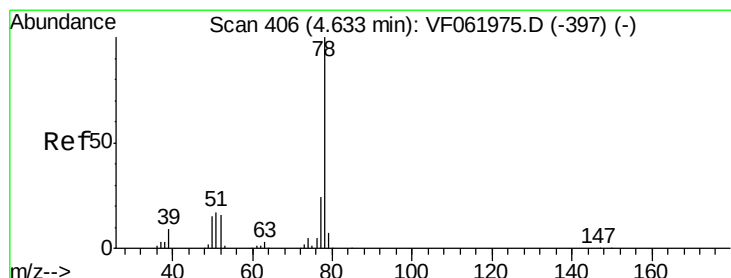
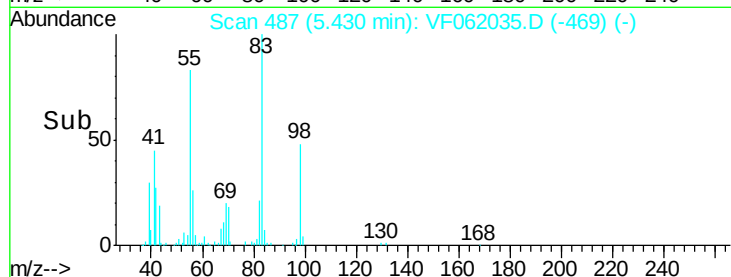
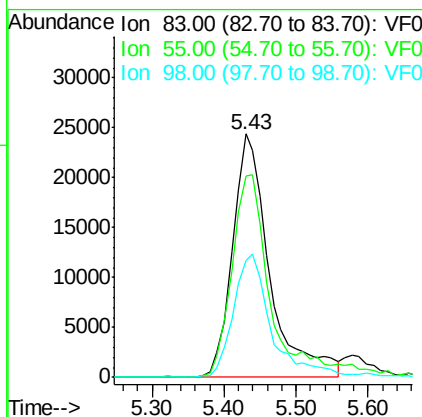
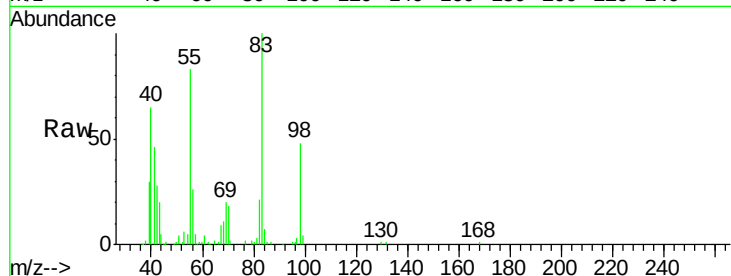
#39
Methylvlcyclohexane
Concen: 22.026 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	69.7	104.5
98	47.9	39.4	59.0

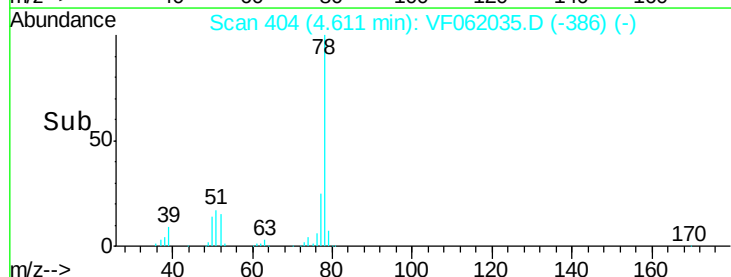
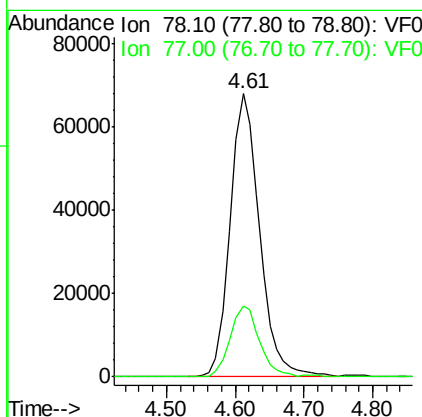
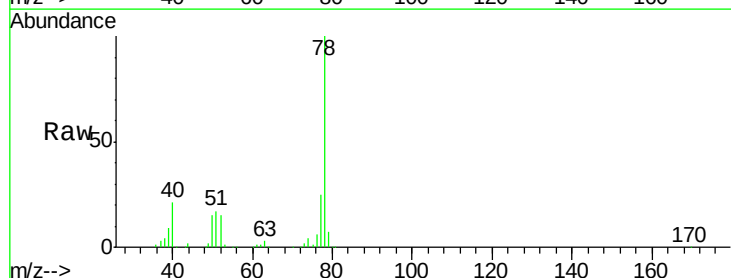
Manual Integrations
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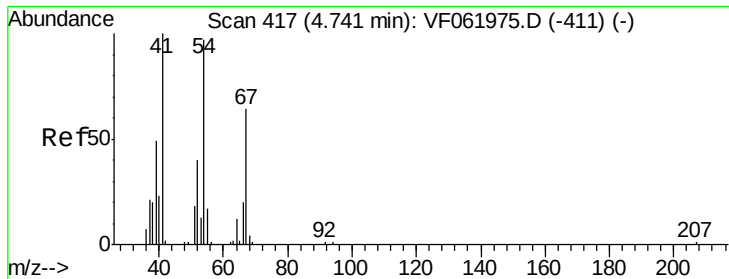
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#40
Benzene
Concen: 22.533 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.4





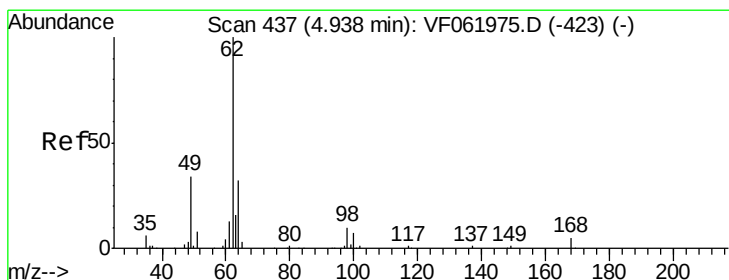
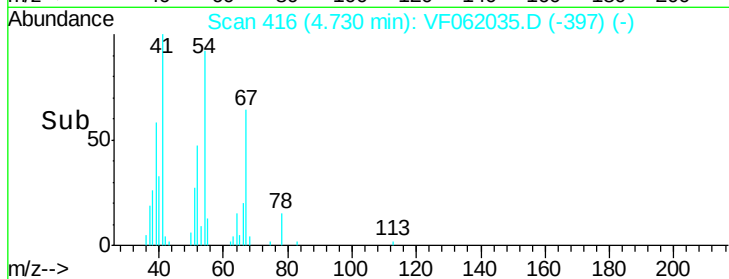
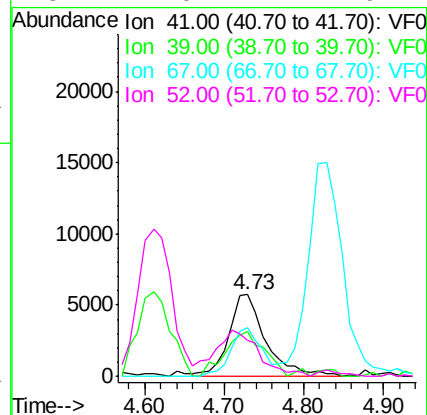
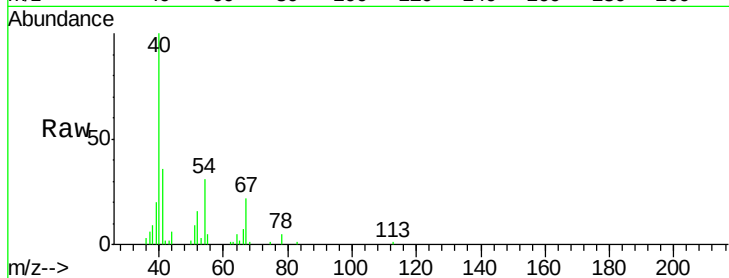
#41
Methacrylonitrile
Concen: 22.742 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		18480		
39	54.6	46.2	69.4		
67	60.4	49.8	74.8		
52	44.0	42.7	64.1		

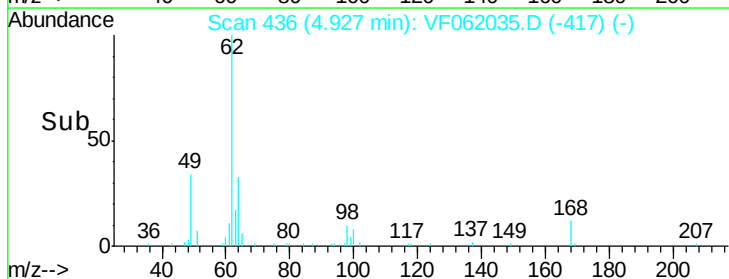
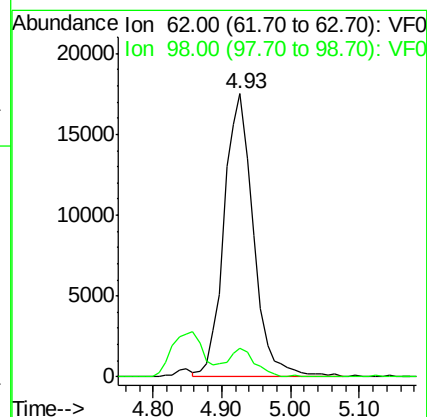
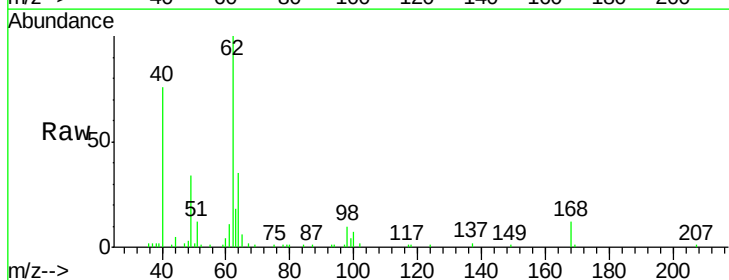
Manual Integrations
APPROVED

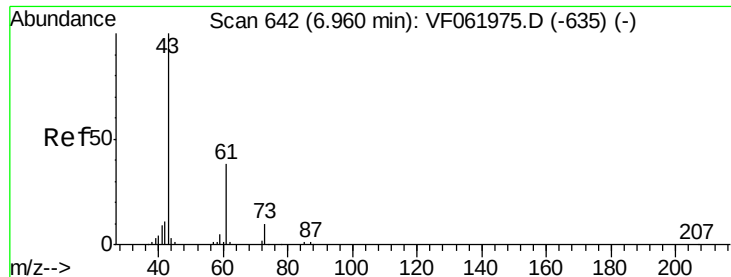
MMDadoda
3/22/2019 4:51:36 PM



#42
1,2-Dichloroethane
Concen: 23.196 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		51827		
98	10.3	0.0	19.8		





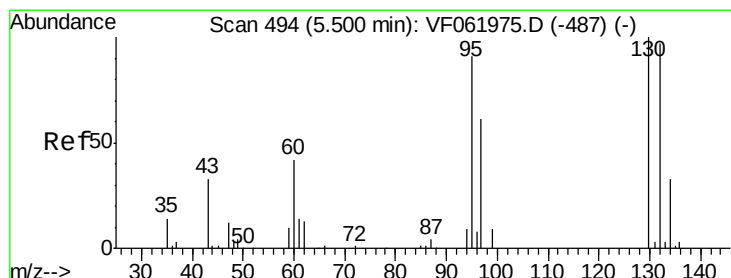
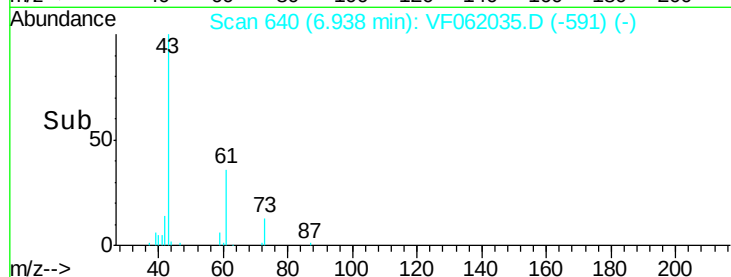
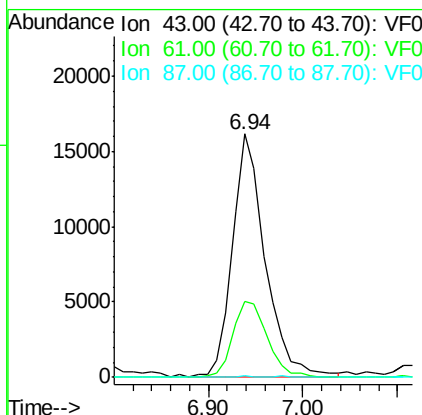
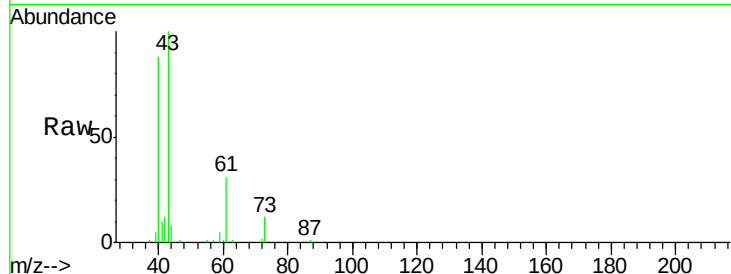
#43
Isopropyl Acetate
Concen: 21.638 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	30.1	45.1
87	0.8	0.4	0.6

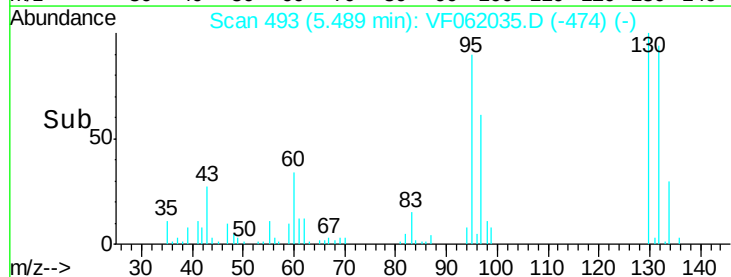
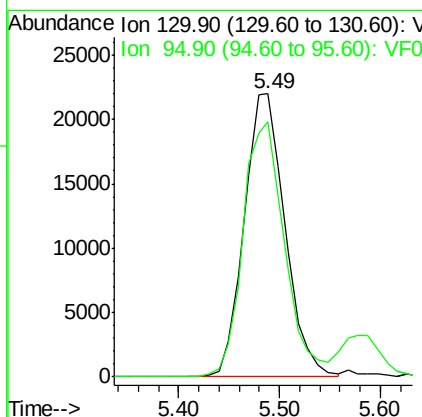
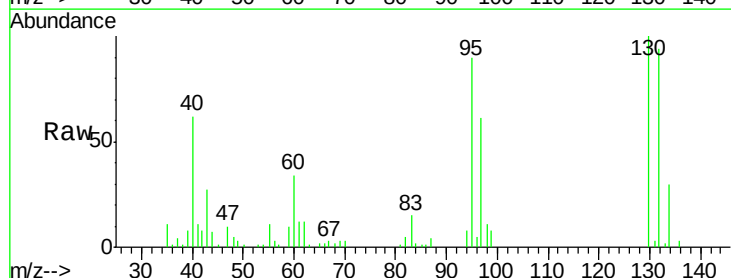
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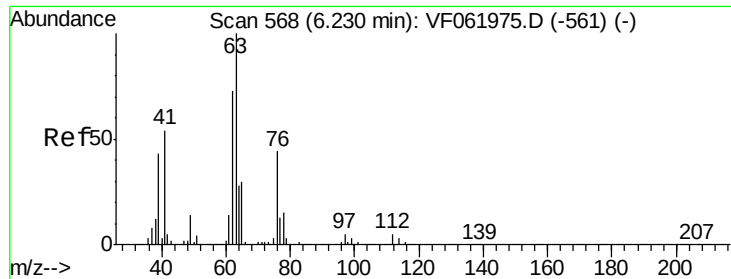
MMDadoda
3/22/2019 4:51:36 PM



#44
Trichloroethene
Concen: 22.528 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	181.4





#45

1,2-Dichloropropane

Concen: 22.451 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 63 Resp: 47689

Ion Ratio Lower Upper

63 100

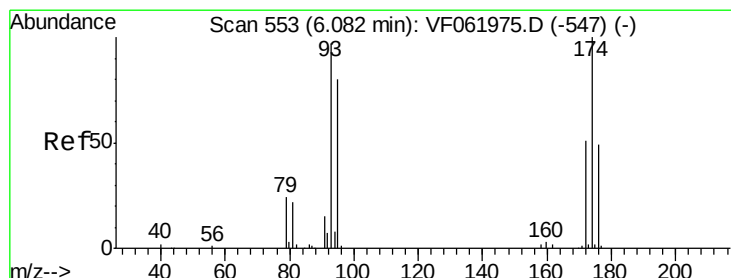
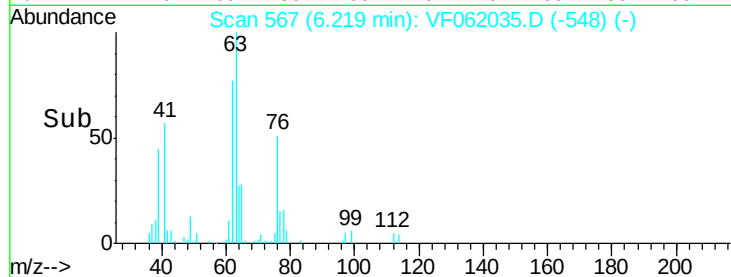
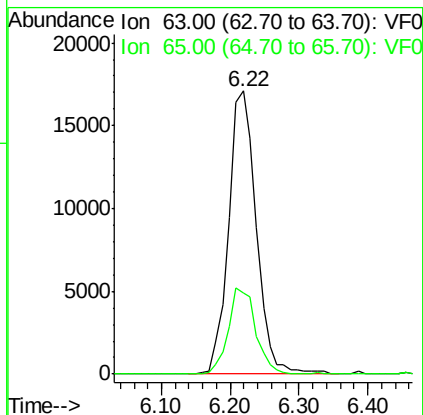
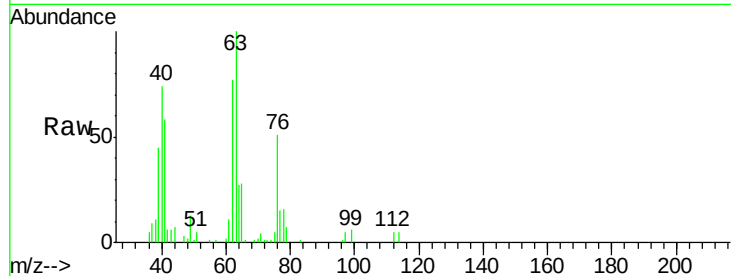
65 28.5 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 22.701 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

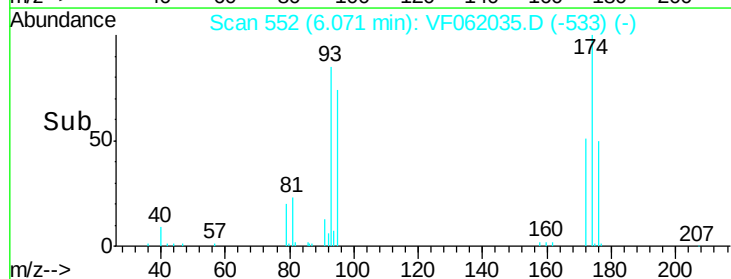
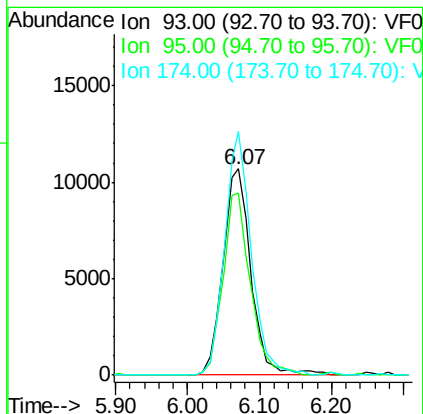
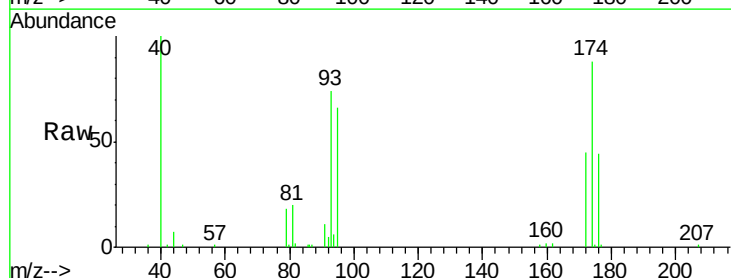
Tgt Ion: 93 Resp: 28685

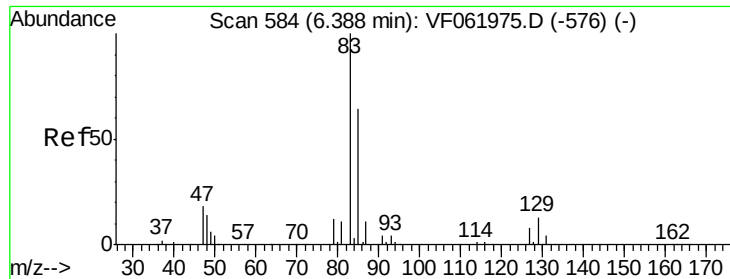
Ion Ratio Lower Upper

93 100

95 88.6 65.7 98.5

174 118.1 82.2 123.4





#47

Bromodichloromethane

Concen: 22.665 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

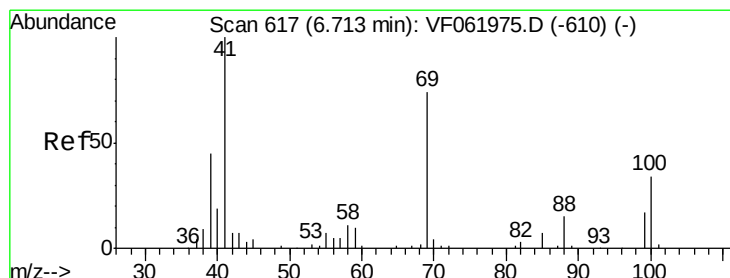
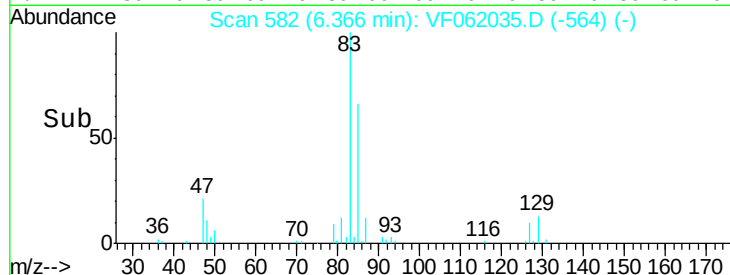
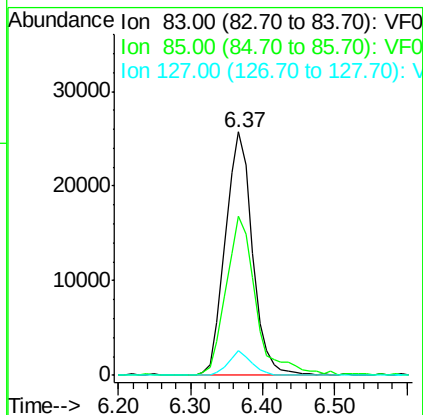
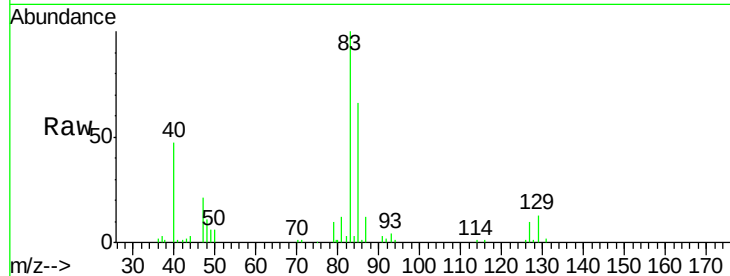
ClientSampleId :

VF0320SBS01

Tot Ion:	83	Resp:	67519
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2
127	10.1	6.5	9.7#

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#48

Methyl methacrylate

Concen: 20.198 ug/l

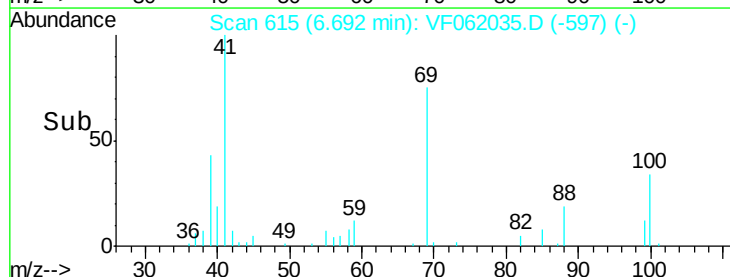
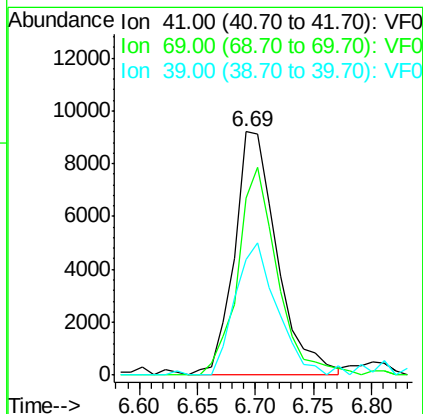
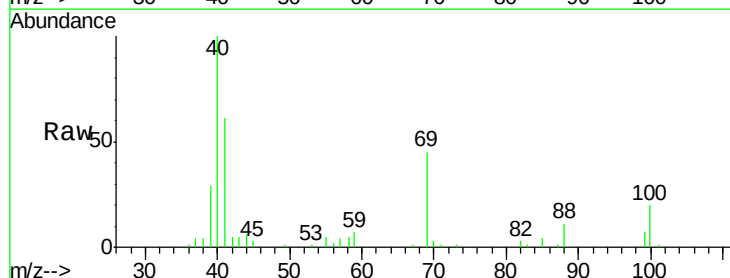
RT: 6.69 min Scan# 615

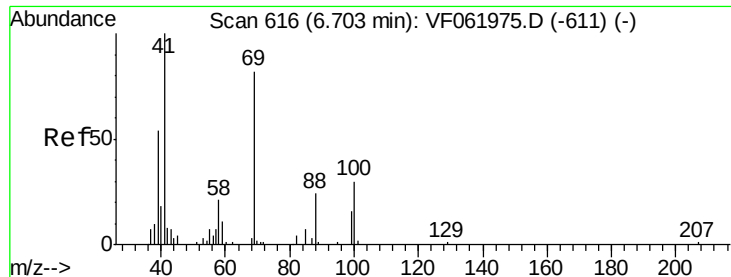
Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	41	Resp:	23491
Ion	Ratio	Lower	Upper
41	100		
69	72.9	59.0	88.6
39	47.6	35.6	53.4





#49

1,4-Dioxane

Concen: 474.144 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

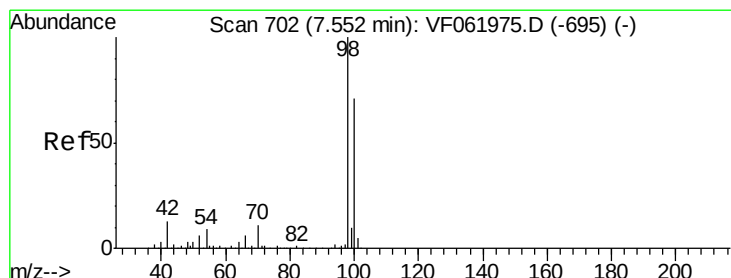
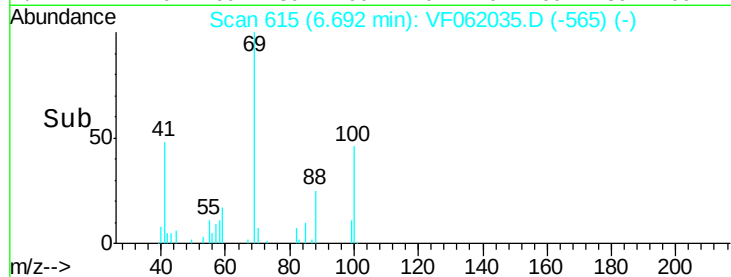
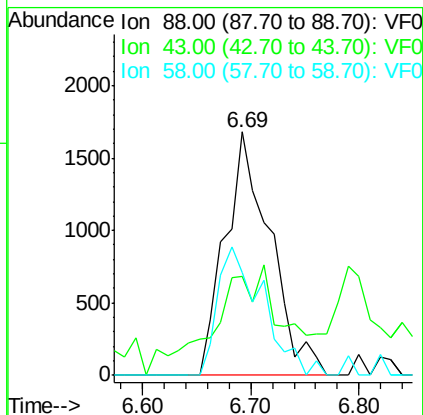
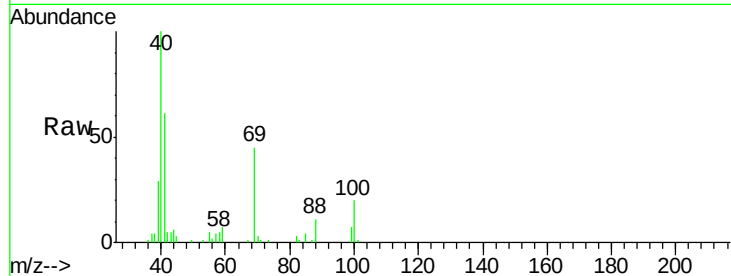
ClientSampleId :

VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4905		
43	40.6		31.2	46.8
58	42.1		69.9	104.9#

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#50

Toluene-d8

Concen: 45.806 ug/l

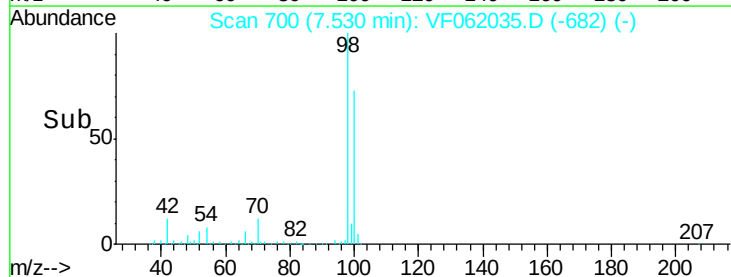
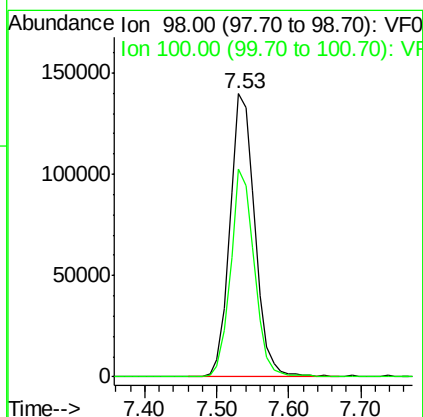
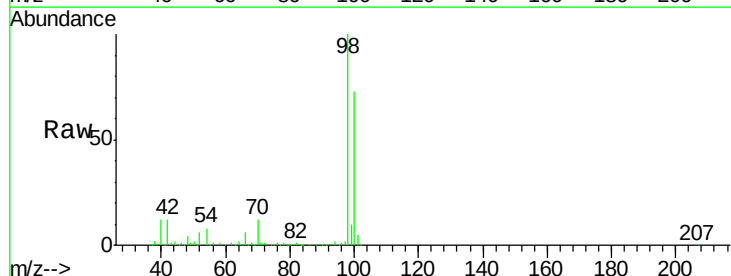
RT: 7.53 min Scan# 700

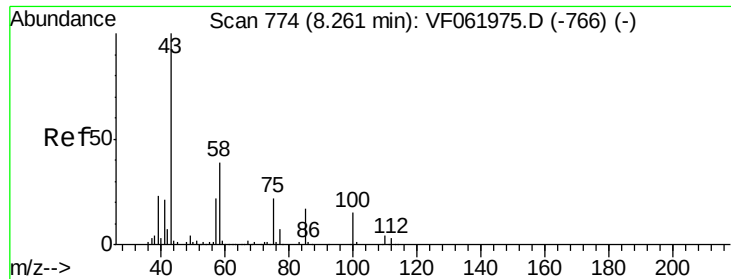
Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	337285		
100	73.3		56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 107.588 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 43 Resp: 137481

Ion Ratio Lower Upper

43 100

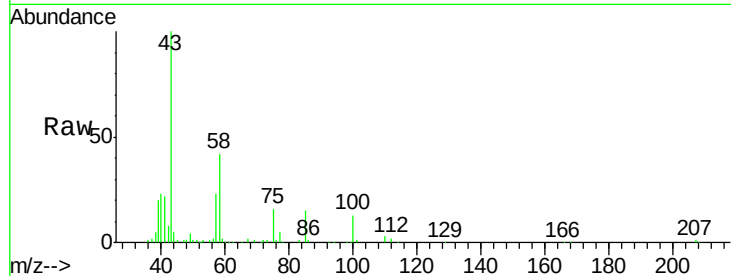
58 41.6 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

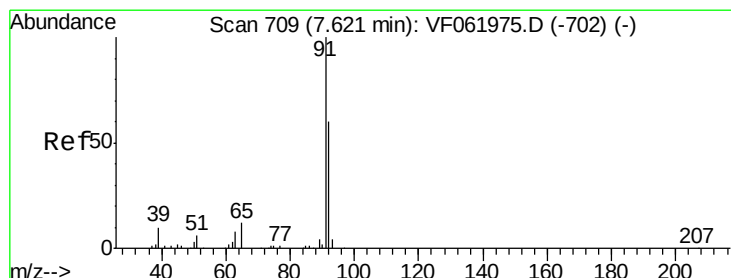
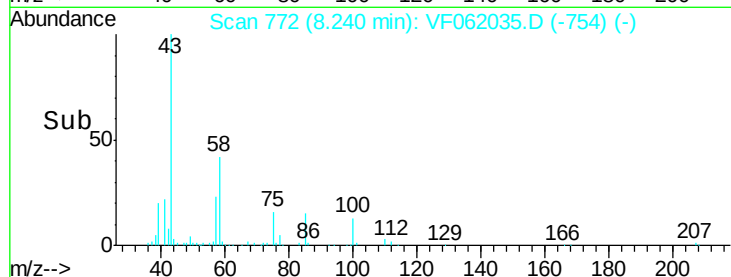
20000

10000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 21.809 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF062035.D

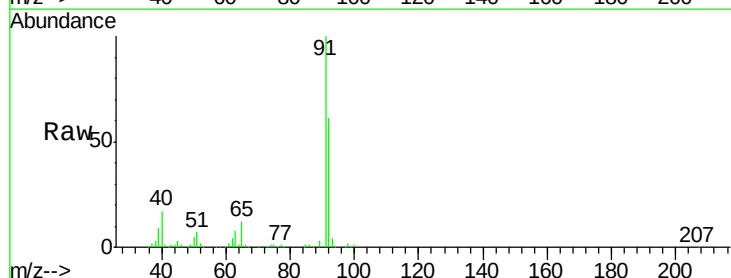
Acq: 20 Mar 2019 12:49

Tgt Ion: 92 Resp: 119604

Ion Ratio Lower Upper

92 100

91 164.0 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

100000

80000

60000

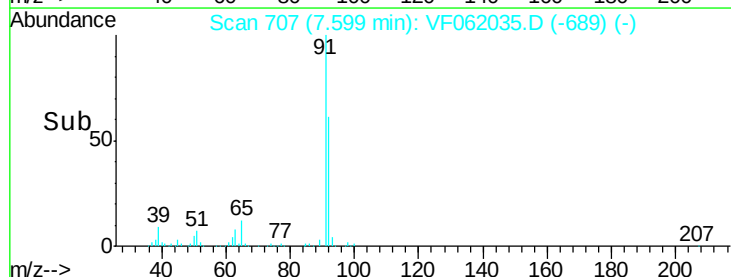
40000

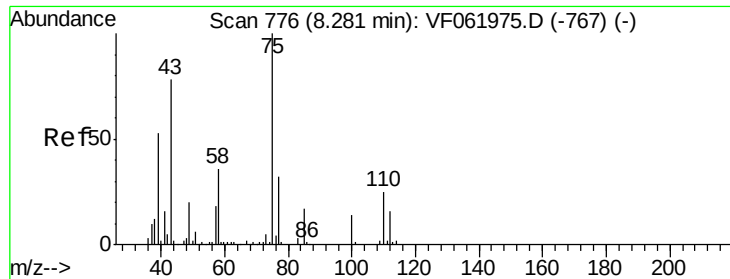
20000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.494 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 75 Resp: 54057

Ion Ratio Lower Upper

75 100

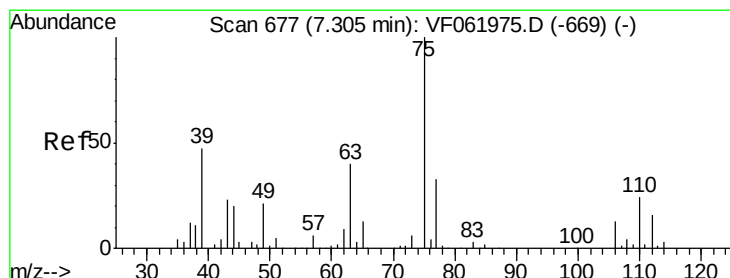
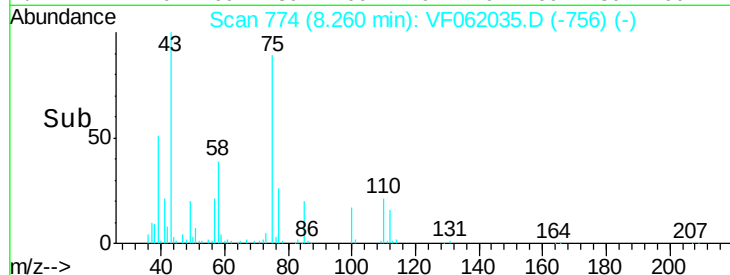
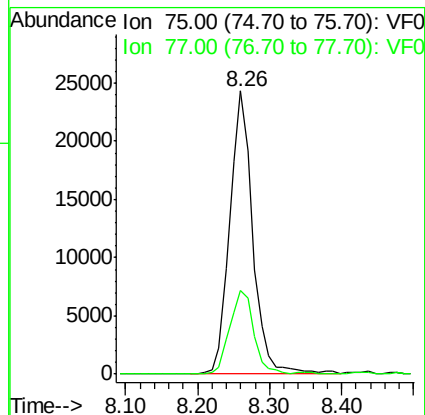
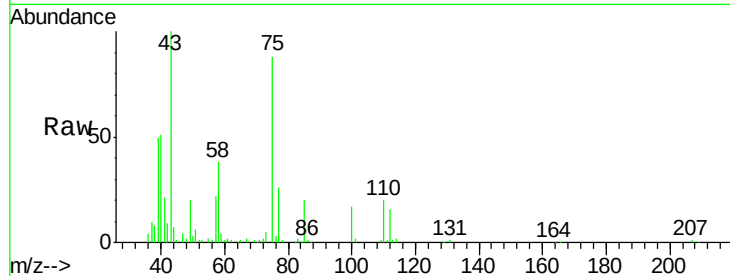
77 29.4 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 21.712 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

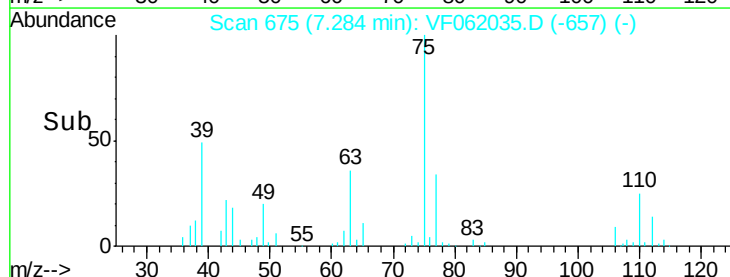
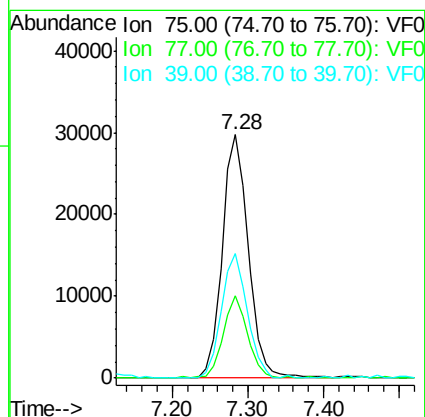
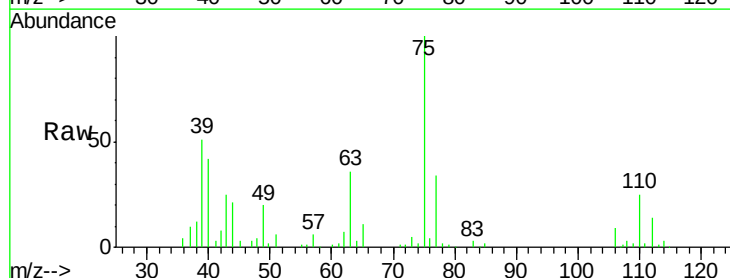
Tgt Ion: 75 Resp: 71251

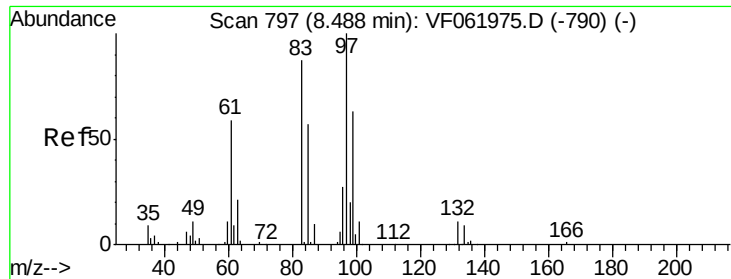
Ion Ratio Lower Upper

75 100

77 33.6 26.4 39.6

39 50.9 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 22.234 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 97 Resp: 34031

Ion Ratio Lower Upper

97 100

83 91.2 69.7 104.5

85 53.8 45.8 68.6

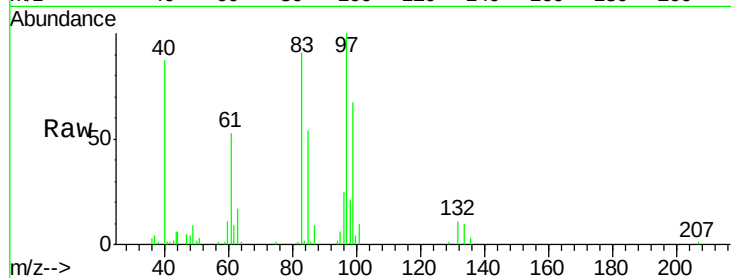
99 67.5 50.3 75.5

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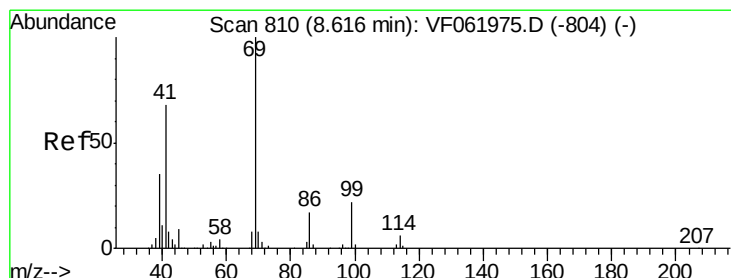
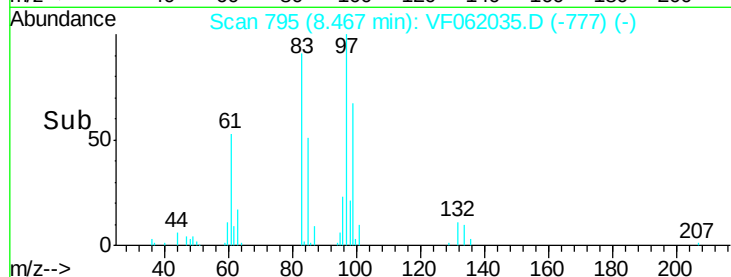
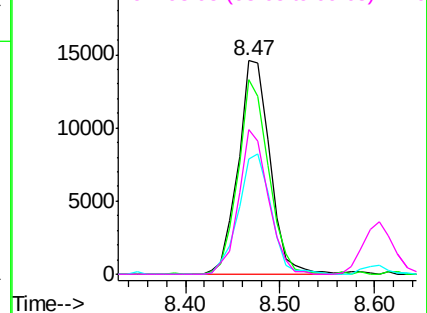


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 21.594 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion: 69 Resp: 37572

Ion Ratio Lower Upper

69 100

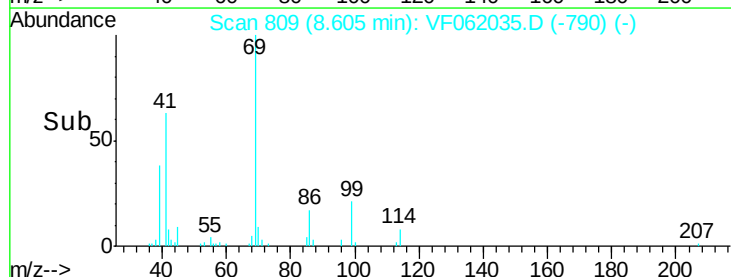
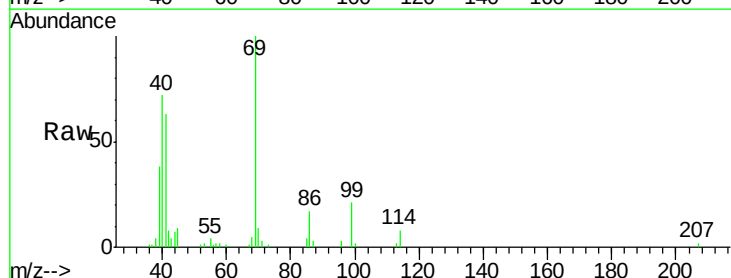
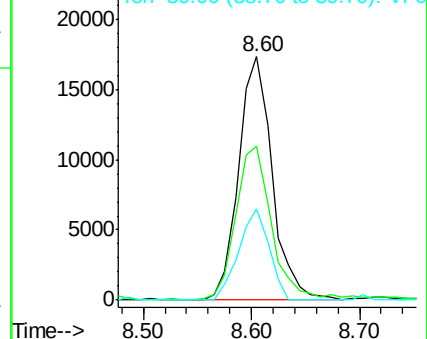
41 63.4 54.7 82.1

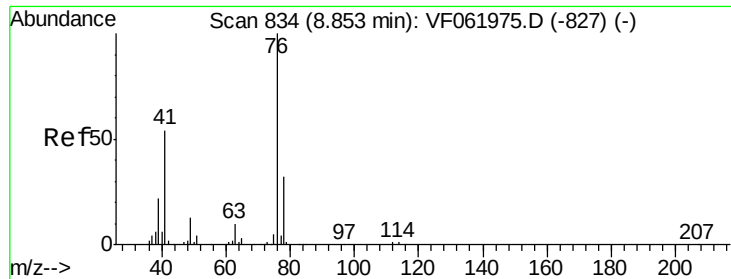
39 37.5 27.9 41.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





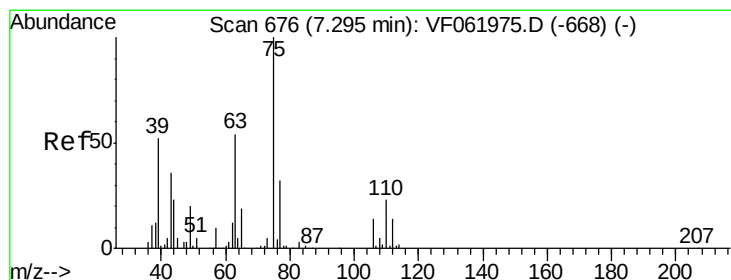
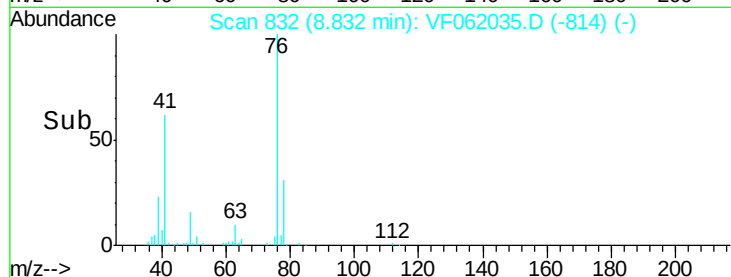
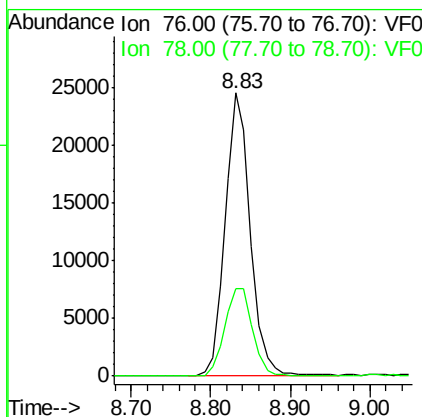
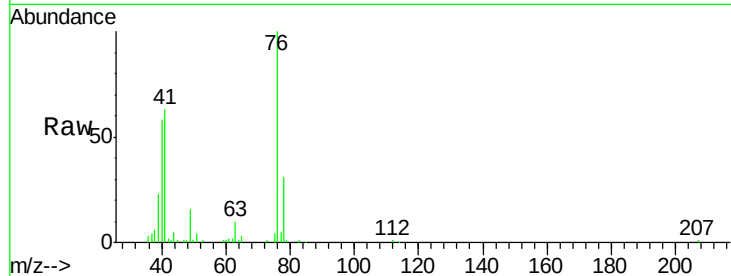
#57
 1,3-Dichloropropane
 Concen: 21.306 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion: 76 Resp: 54399
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.4 38.2

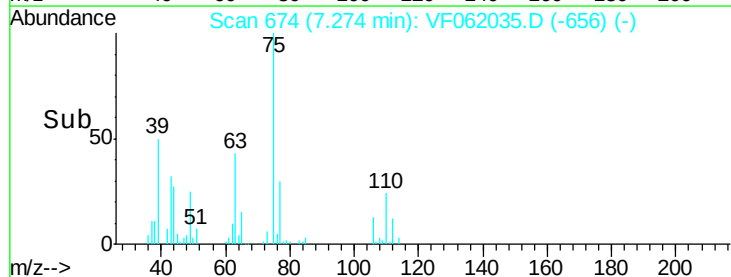
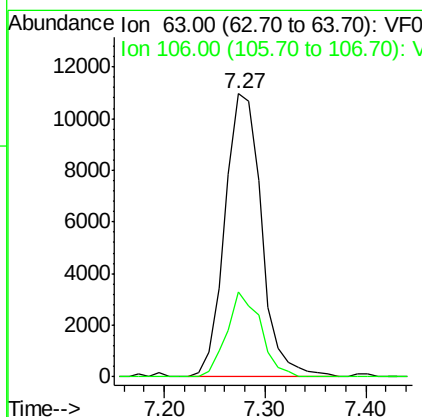
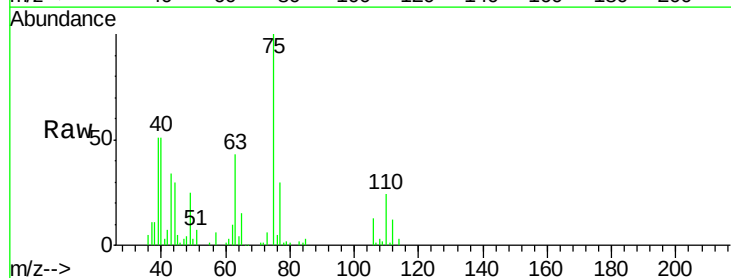
Manual Integrations
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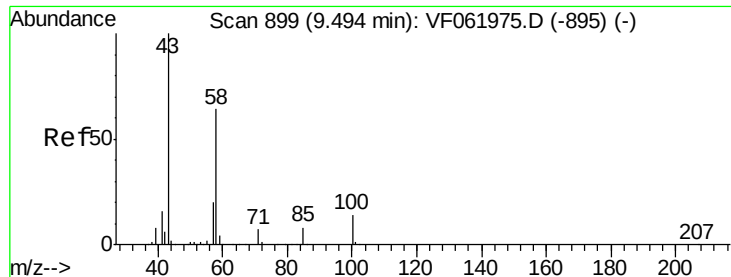
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.070 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion: 63 Resp: 27755
 Ion Ratio Lower Upper
 63 100
 106 29.8 20.9 31.3





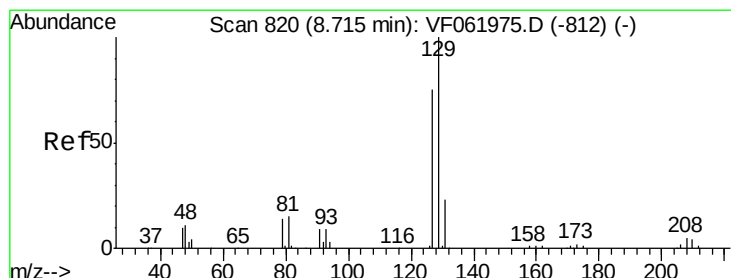
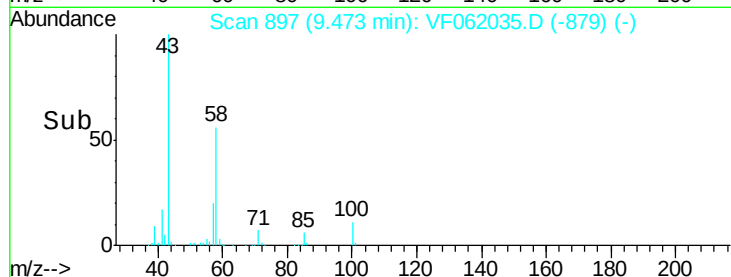
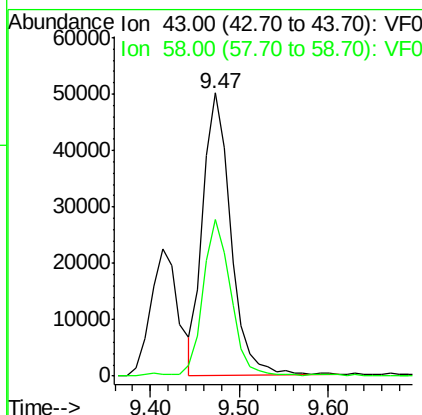
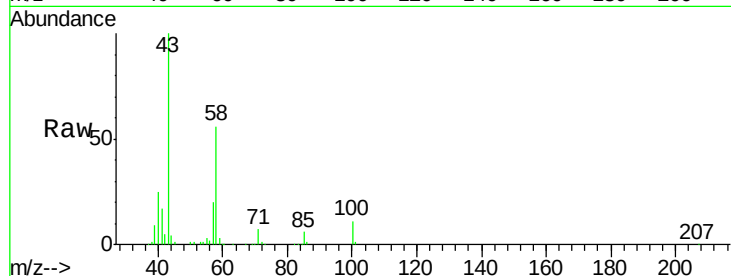
#59
2-Hexanone
Concen: 117.374 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion: 43 Resp: 108546
Ion Ratio Lower Upper
43 100
58 55.6 28.4 85.2

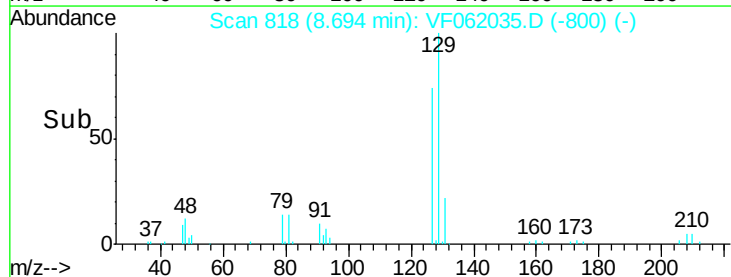
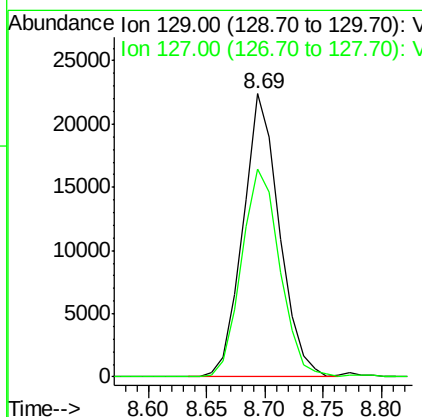
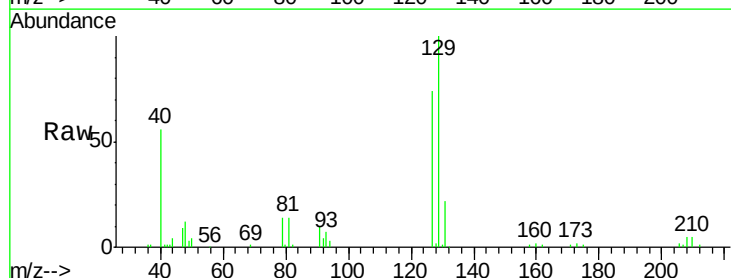
Manual Integrations
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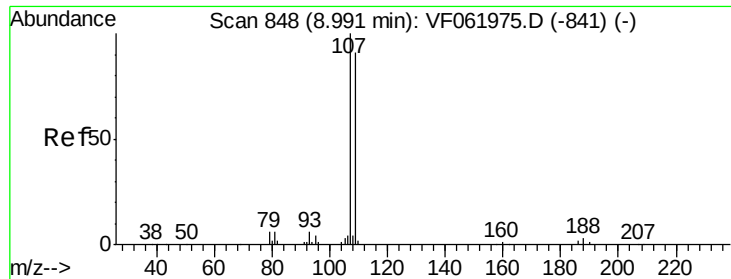
MMDadoda
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#60
Dibromochloromethane
Concen: 22.846 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion: 129 Resp: 48544
Ion Ratio Lower Upper
129 100
127 73.6 37.3 111.8





#61

1,2-Dibromoethane

Concen: 21.706 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:107 Resp: 35637

Ion Ratio Lower Upper

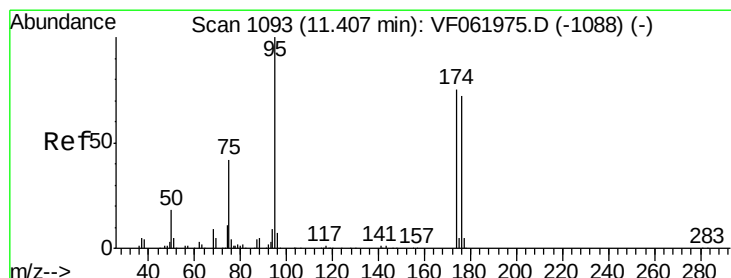
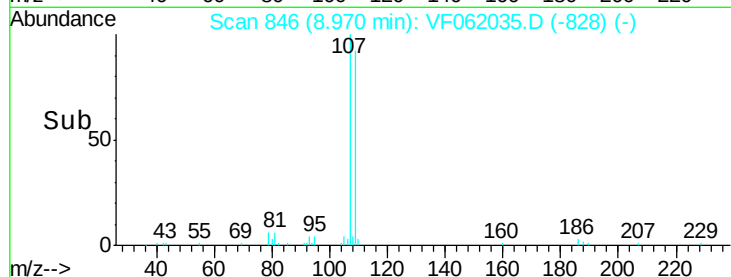
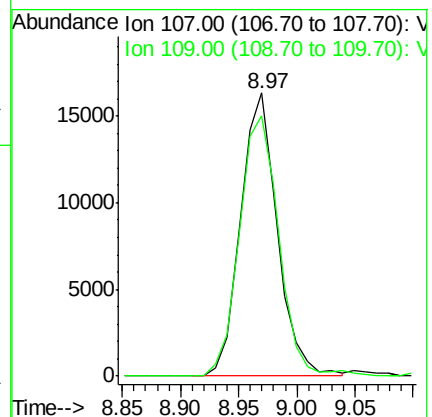
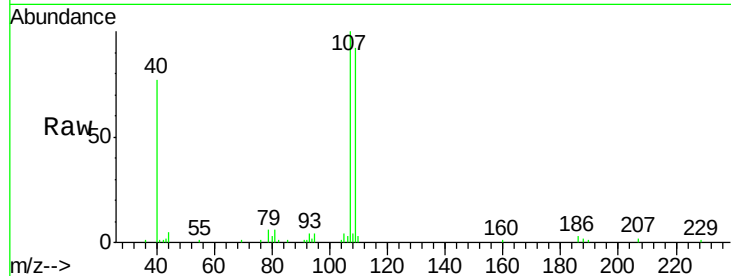
107 100

109 91.8 72.8 109.2

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#62

4-Bromofluorobenzene

Concen: 48.994 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

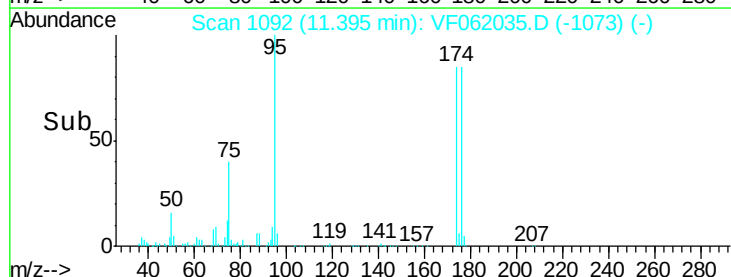
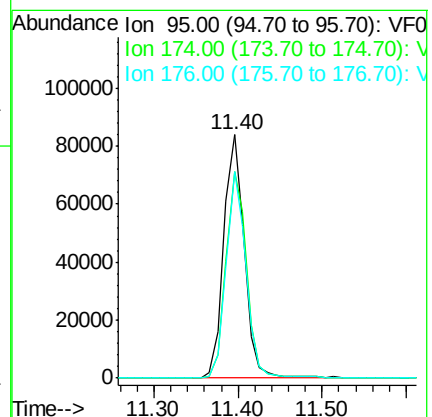
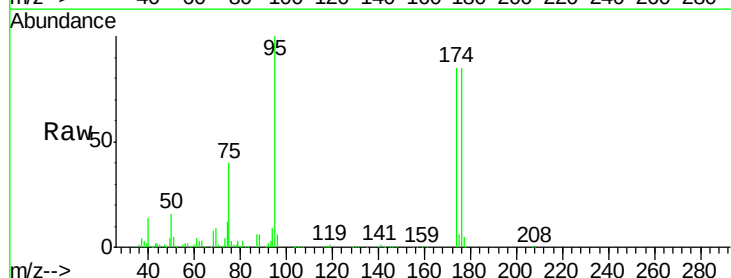
Tgt Ion: 95 Resp: 143317

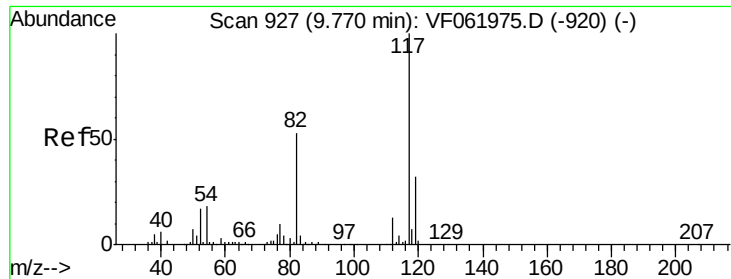
Ion Ratio Lower Upper

95 100

174 84.8 0.0 149.4

176 85.0 0.0 143.4





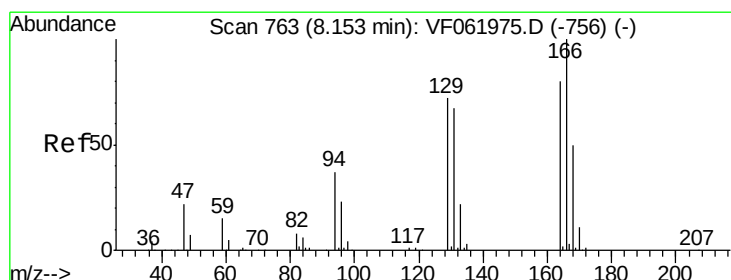
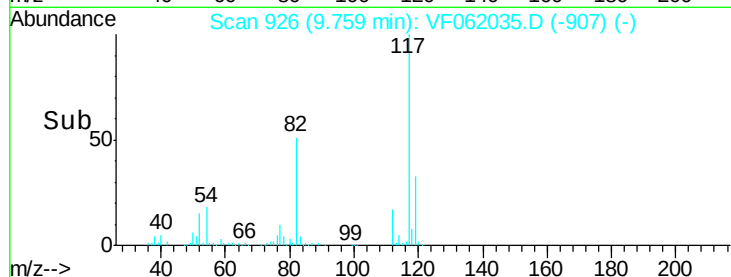
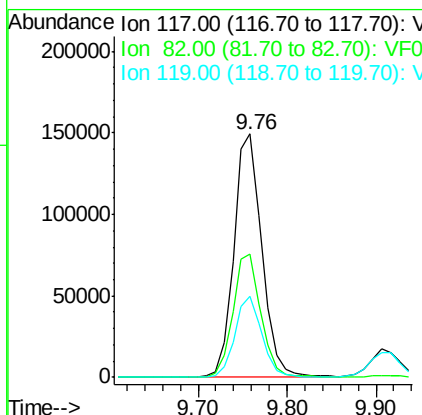
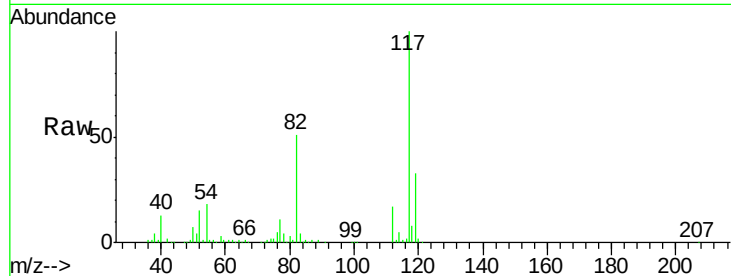
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.5	63.7
119	33.5	25.4	38.0

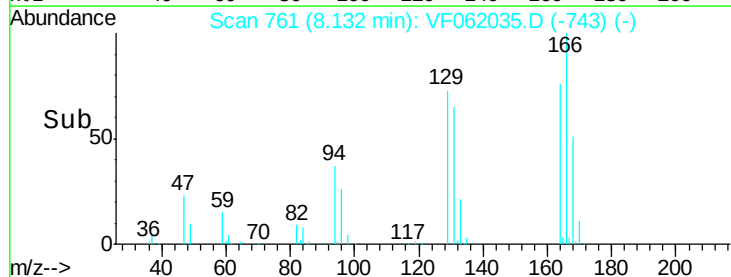
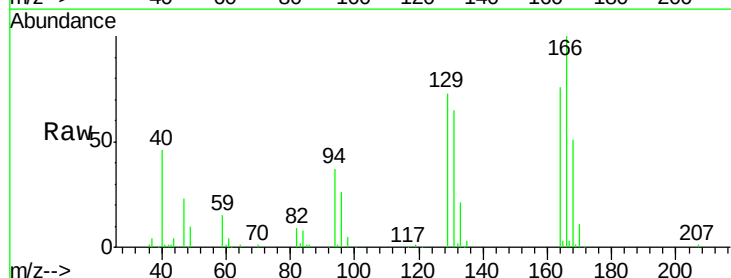
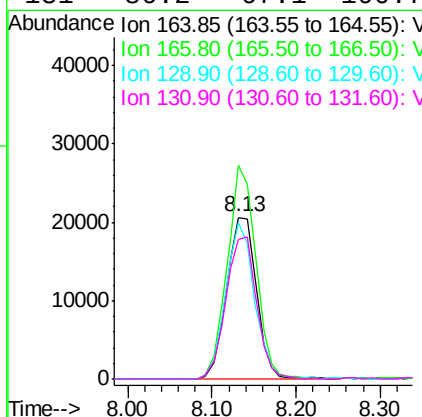
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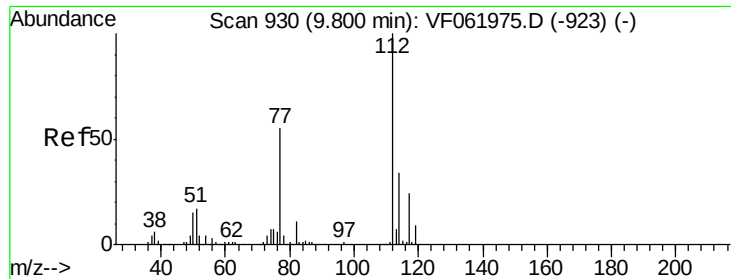
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#64
Tetrachloroethene
Concen: 21.321 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	100.0	150.0
129	96.3	72.4	108.6
131	86.2	67.1	100.7





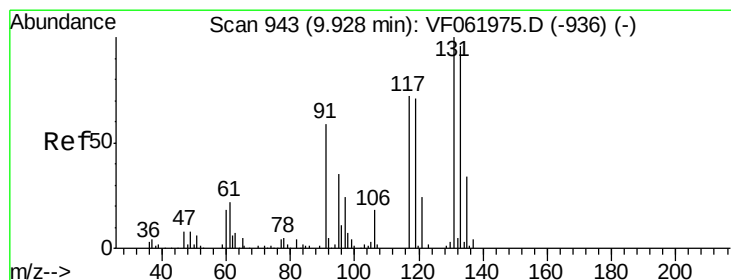
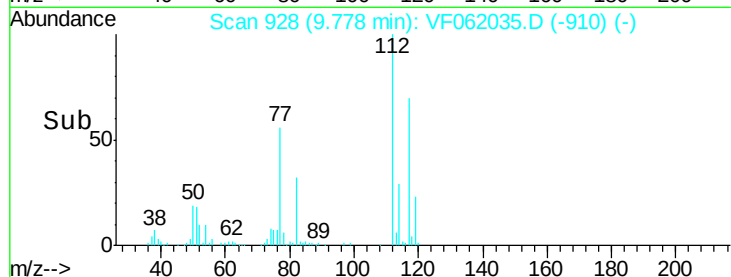
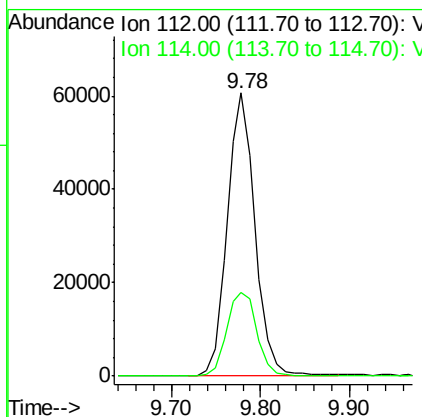
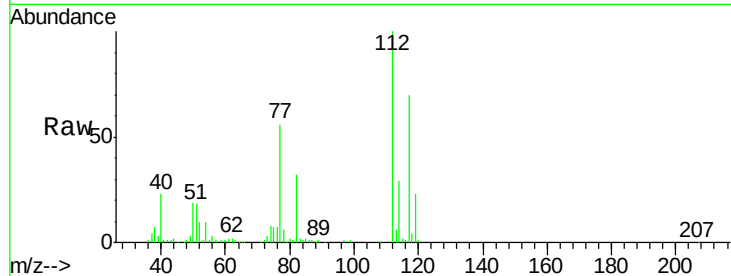
#65
Chlorobenzene
Concen: 21.713 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	132892		
114	29.4	26.9	40.3	

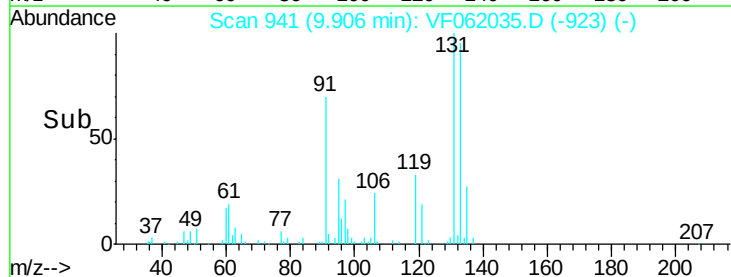
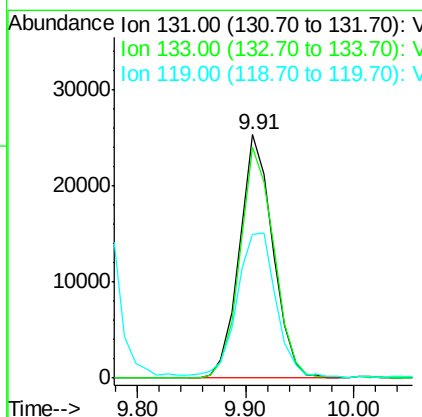
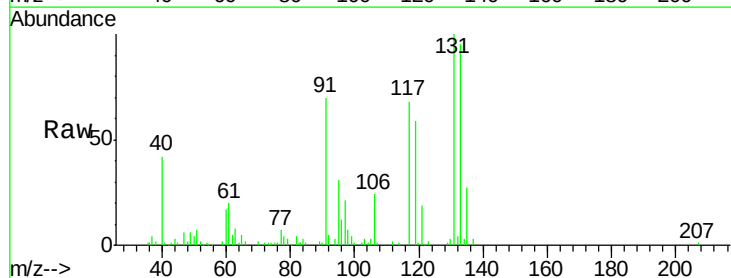
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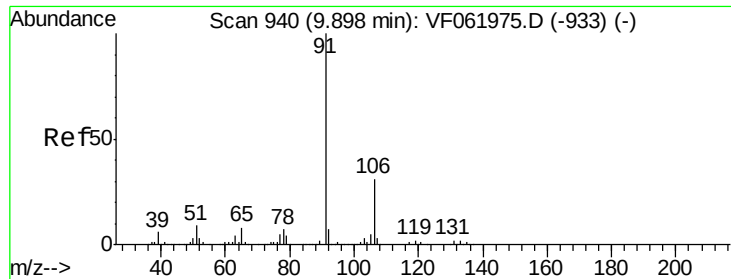
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.892 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	54309		
133	94.9	48.0	144.2	
119	59.3	35.9	107.7	





#67

Ethyl Benzene

Concen: 21.342 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion: 91 Resp: 223652

Ion Ratio Lower Upper

91 100

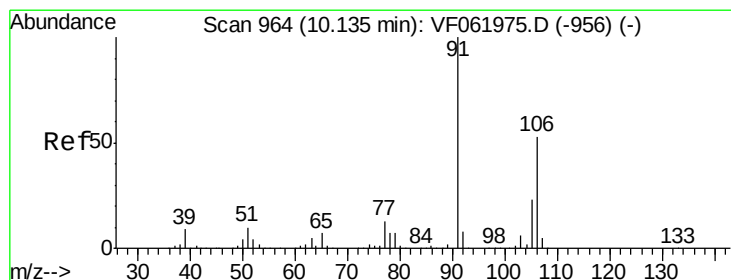
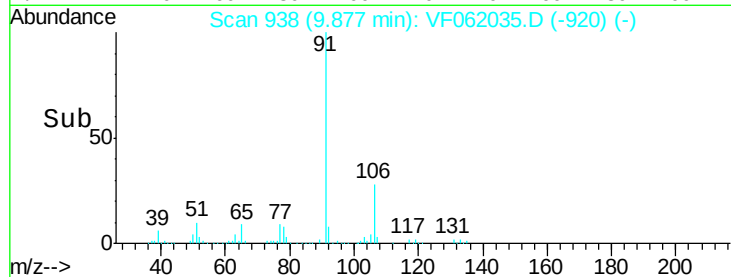
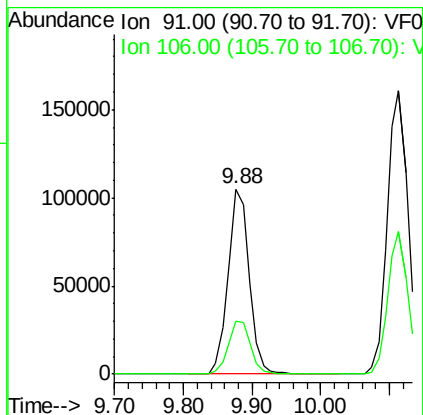
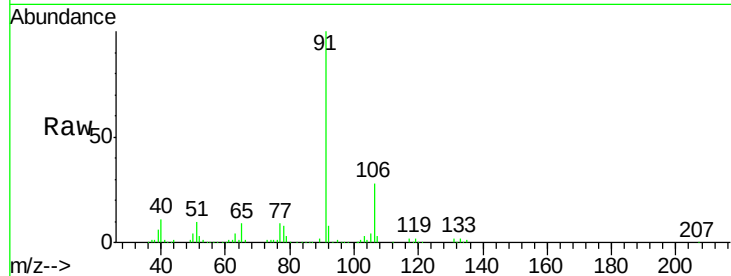
106 28.3 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.525 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062035.D

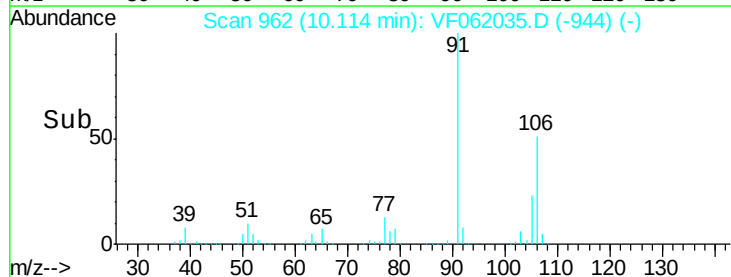
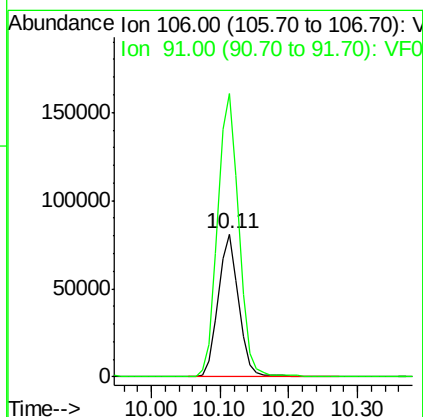
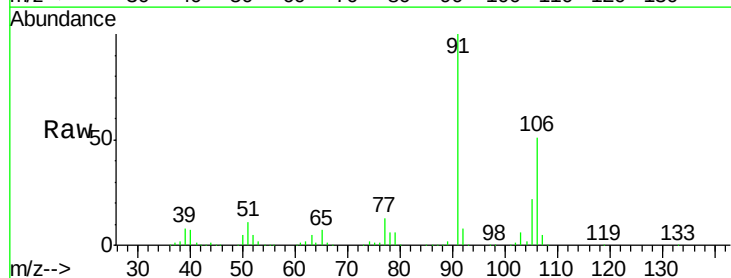
Acq: 20 Mar 2019 12:49

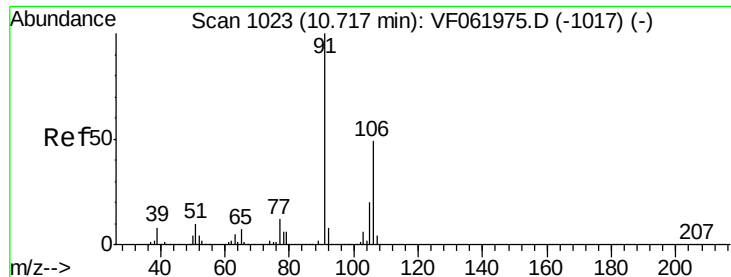
Tgt Ion: 106 Resp: 167609

Ion Ratio Lower Upper

106 100

91 198.0 151.9 227.9





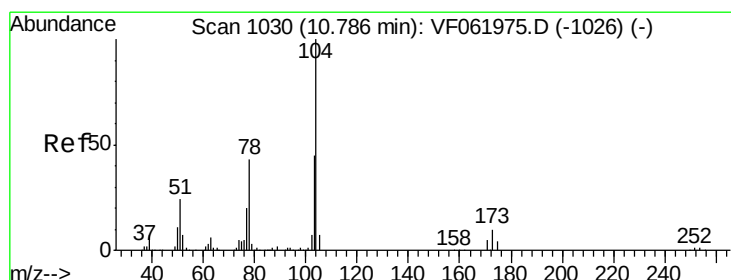
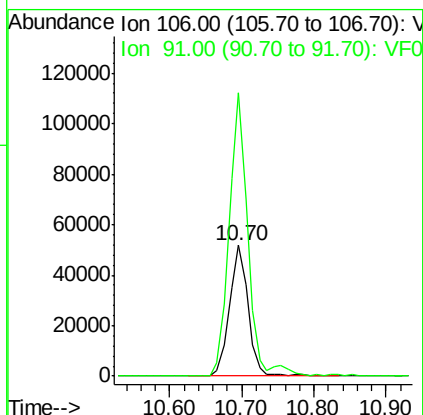
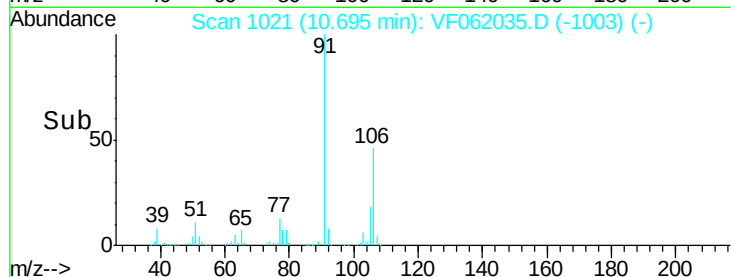
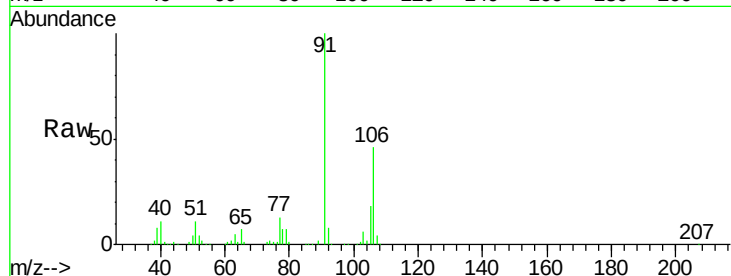
#69
o-Xylene
Concen: 22.161 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion:106 Resp: 93463
Ion Ratio Lower Upper
106 100
91 216.0 102.3 306.8

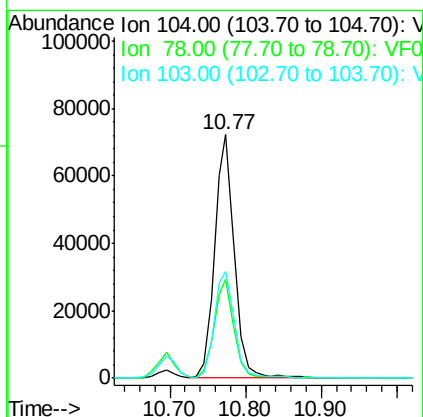
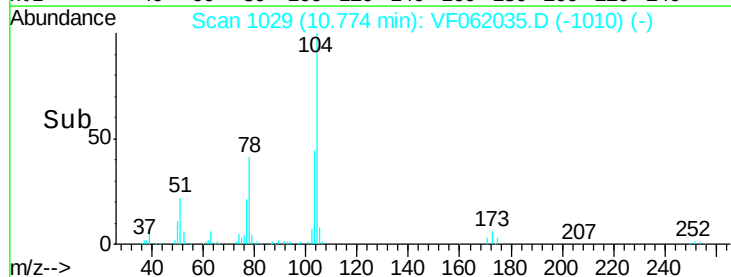
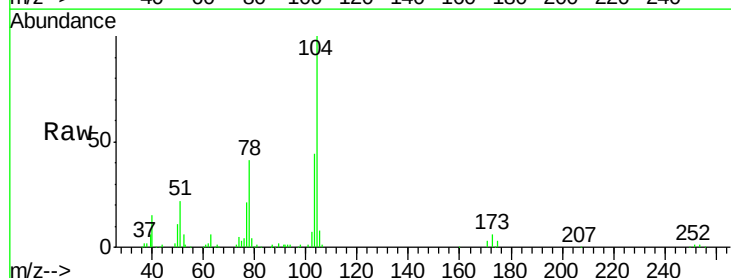
Manual Integrations
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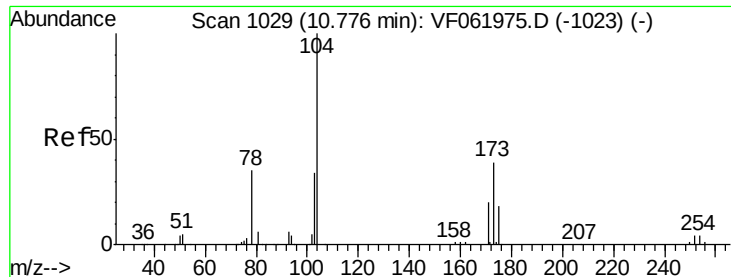
MMDadoda
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#70
Styrene
Concen: 22.453 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion:104 Resp: 131190
Ion Ratio Lower Upper
104 100
78 40.8 34.7 52.1
103 44.0 36.6 54.8





#71

Bromoform

Concen: 22.246 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

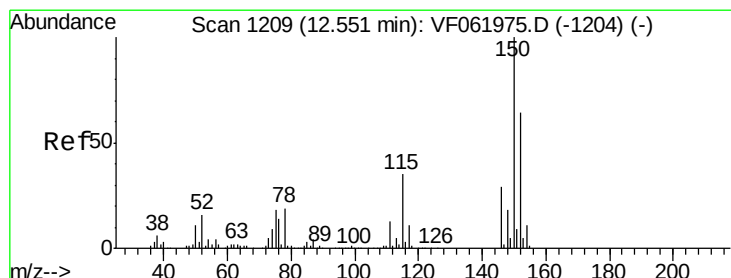
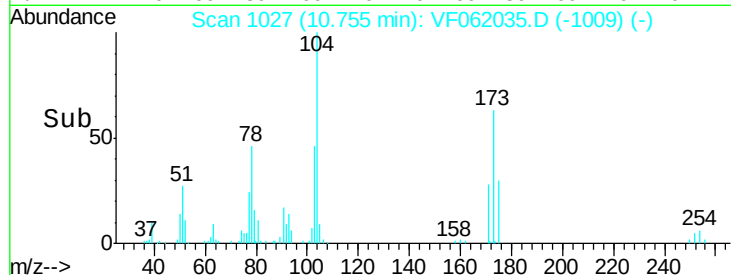
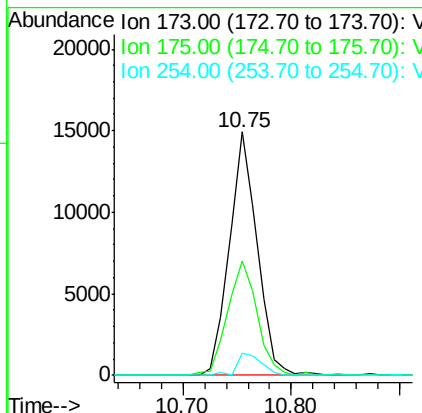
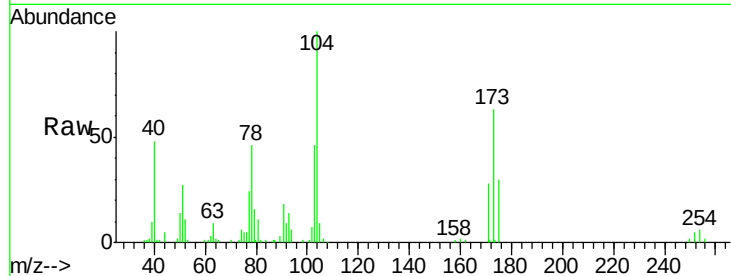
ClientSampleId :

VF0320SBS01

Tot Ion:	173	Resp:	26694
Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.7	71.1
254	8.9	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

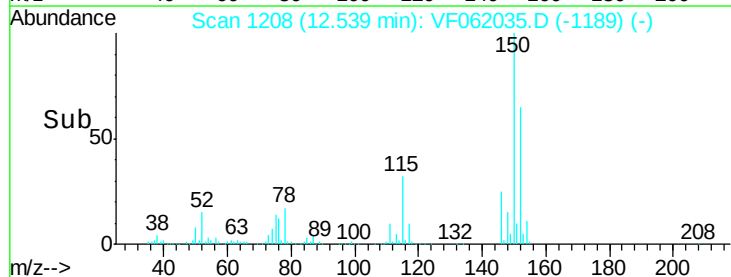
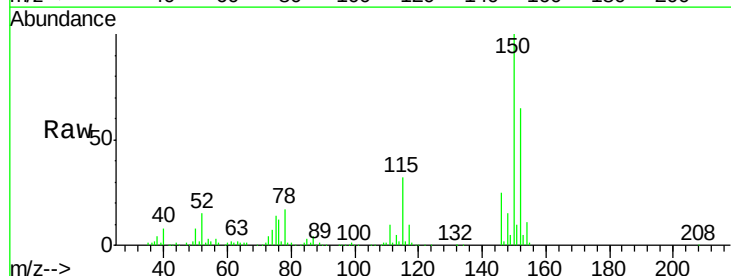
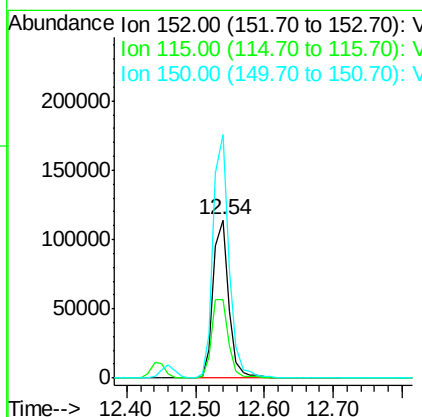
RT: 12.54 min Scan# 1208

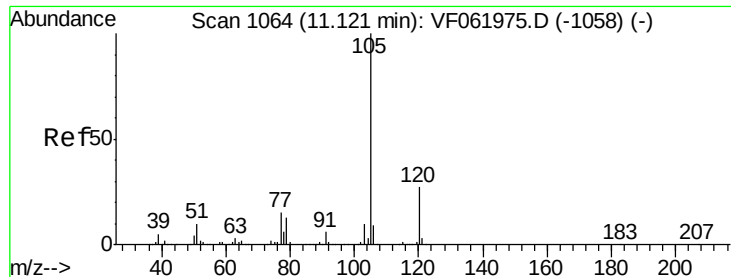
Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	152	Resp:	179309
Ion	Ratio	Lower	Upper
152	100		
115	49.8	27.3	81.9
150	153.7	0.0	316.2





#73

Isopropylbenzene

Concen: 22.001 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBS01

Tot Ion:105 Resp: 272545

Ion Ratio Lower Upper

105 100

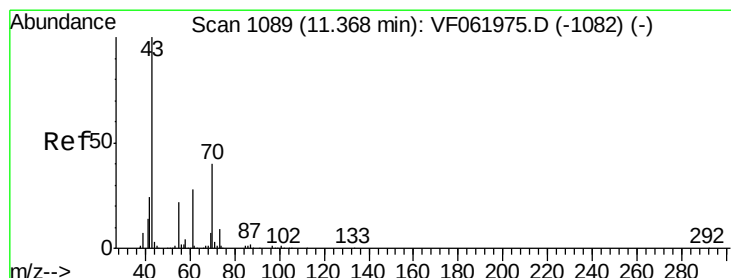
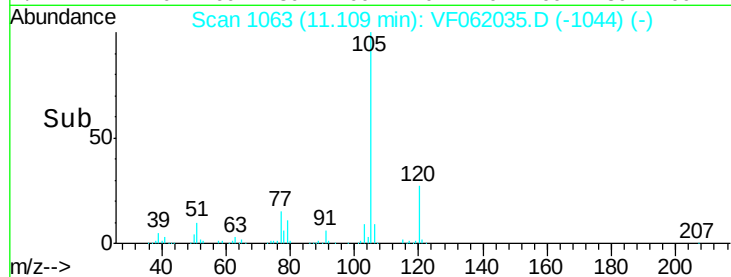
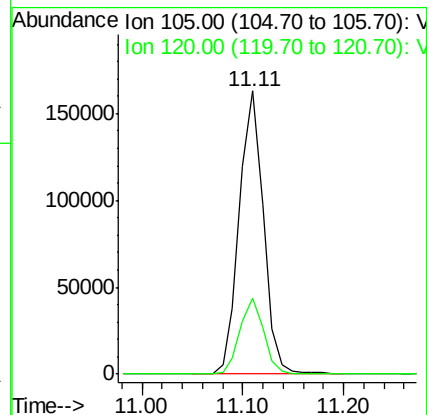
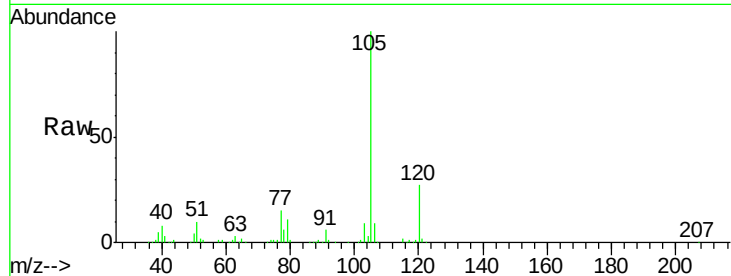
120 27.0 13.8 41.3

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#74

N-ethyl acetate

Concen: 22.380 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion: 43 Resp: 63525

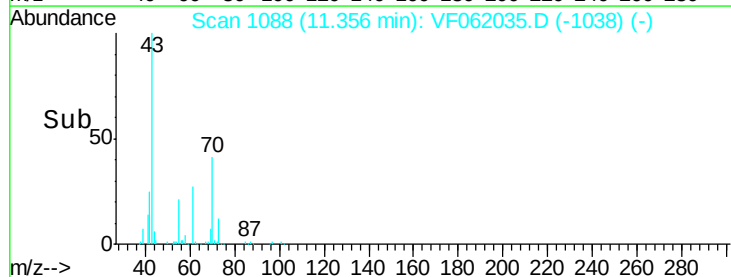
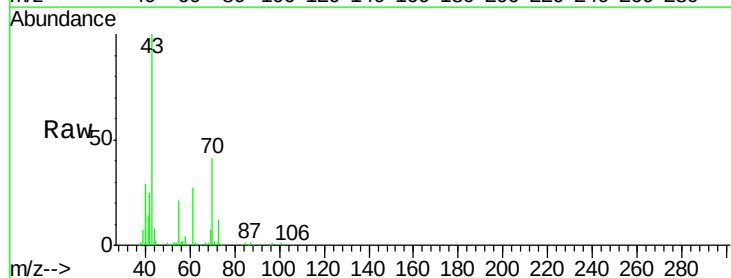
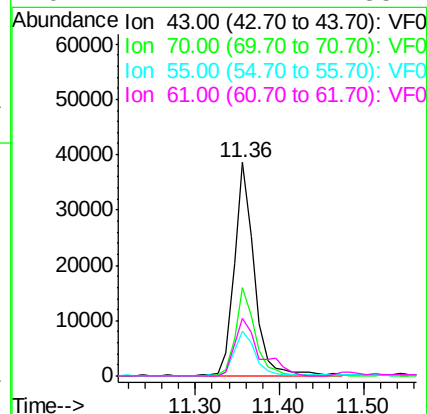
Ion Ratio Lower Upper

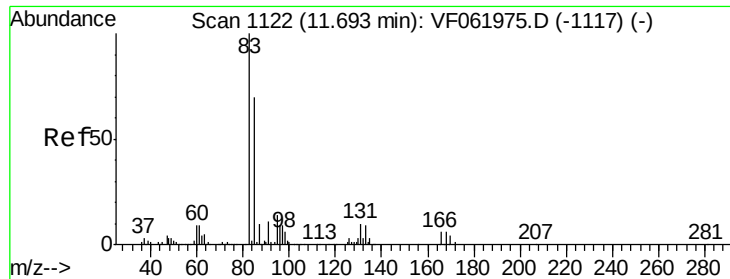
43 100

70 41.2 31.9 47.9

55 21.2 17.9 26.9

61 27.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.046 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

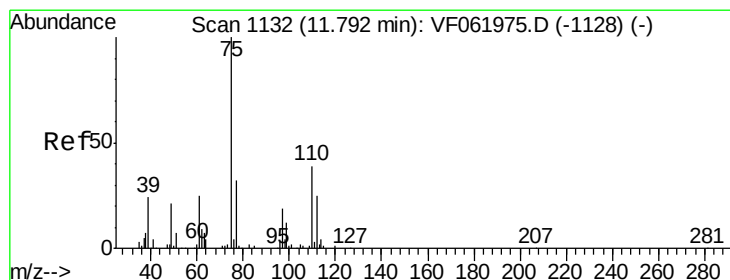
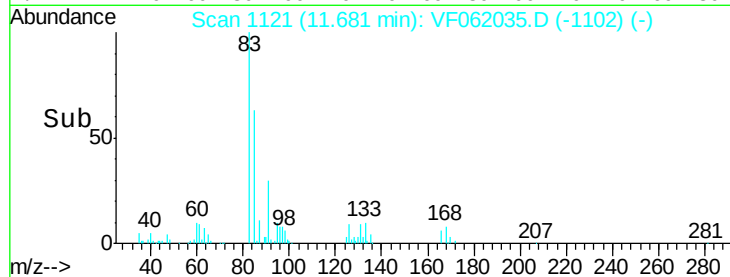
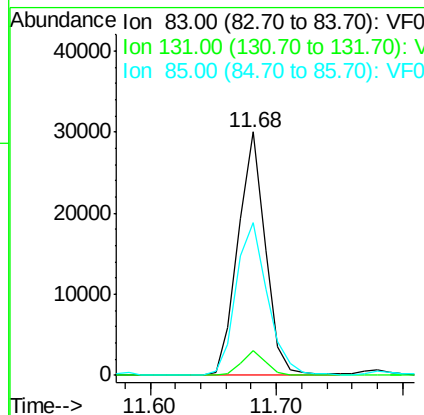
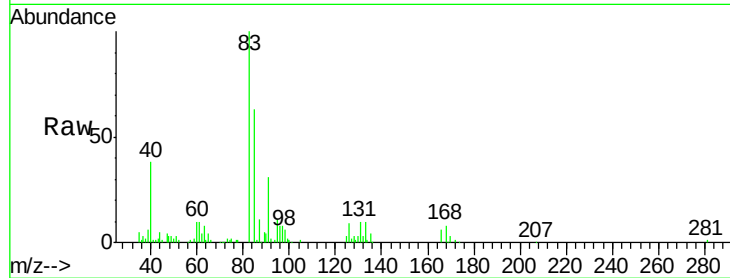
ClientSampleId :

VF0320SBS01

Tot Ion:	83	Resp:	45079
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.0	35.3	105.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.061 ug/l

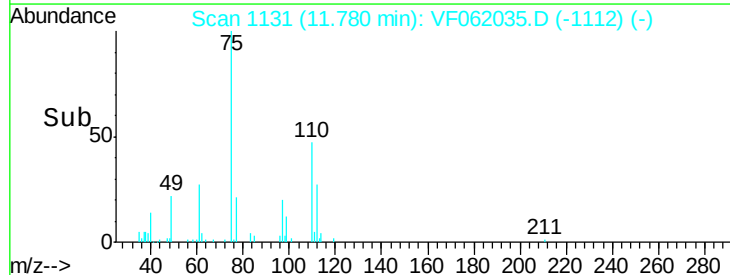
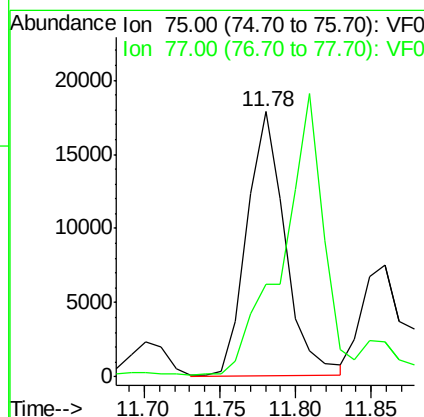
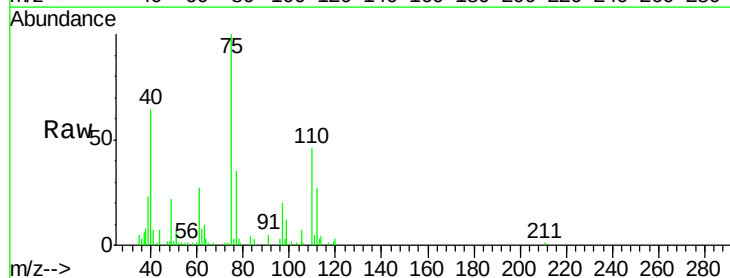
RT: 11.78 min Scan# 1131

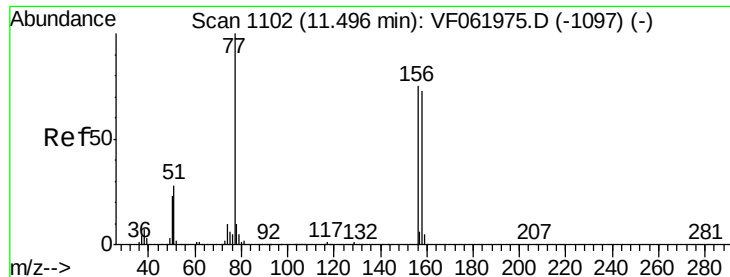
Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	75	Resp:	31543
Ion Ratio	Lower	Upper	
75	100		
77	35.1	16.4	49.2





#77

Bromobenzene

Concen: 21.643 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

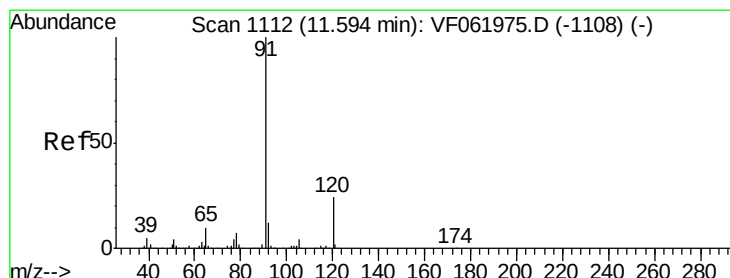
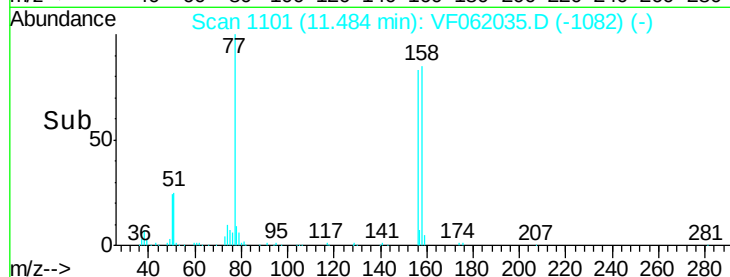
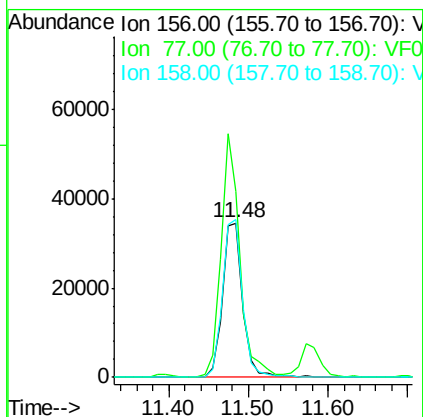
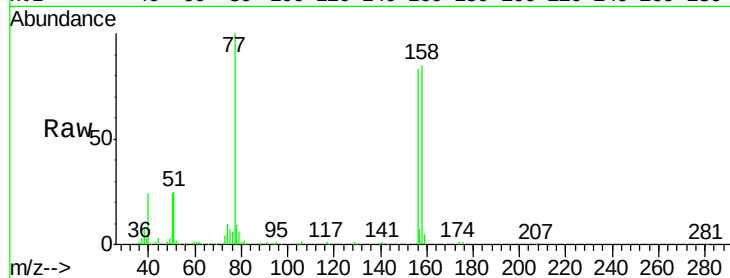
ClientSampleId :

VF0320SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.3	67.0	201.0
158	102.1	48.9	146.7

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#78

n-propylbenzene

Concen: 21.759 ug/l

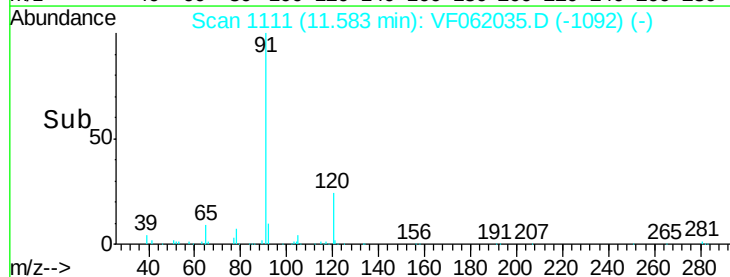
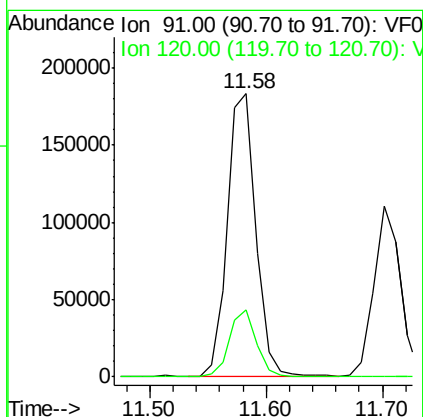
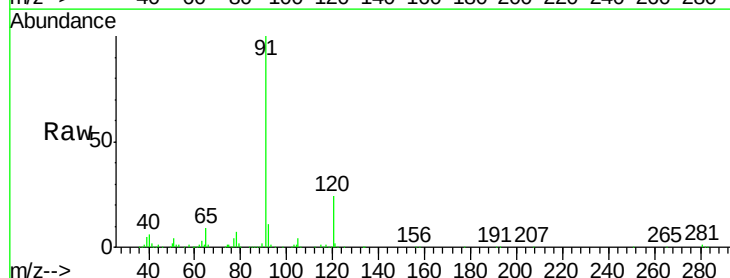
RT: 11.58 min Scan# 1111

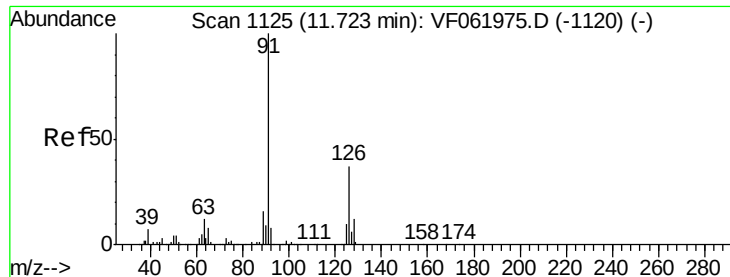
Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.546 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

ClientSampleId :

VF0320SBSD01

Tot Ion: 91 Resp: 173229

Ion Ratio Lower Upper

91 100

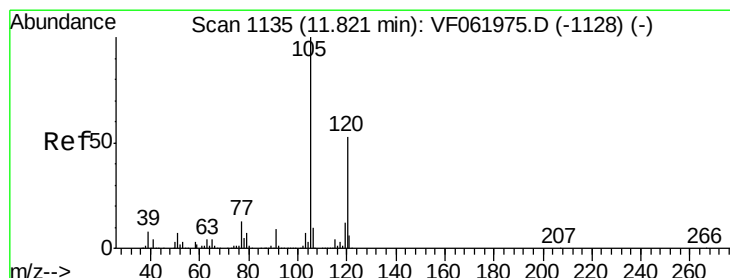
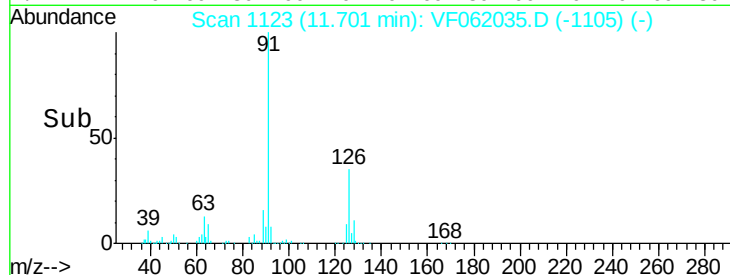
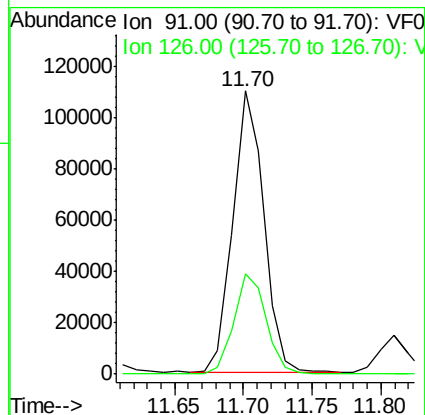
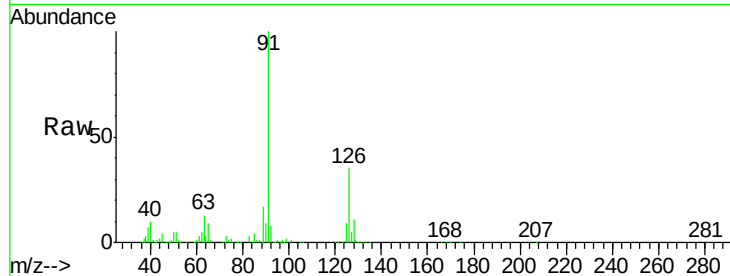
126 35.4 18.4 55.2

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#80

1,3,5-Trimethylbenzene

Concen: 22.119 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF062035.D

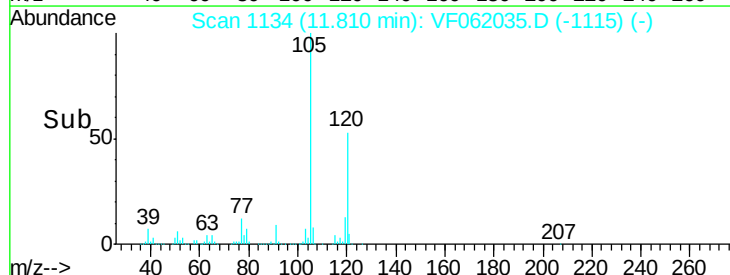
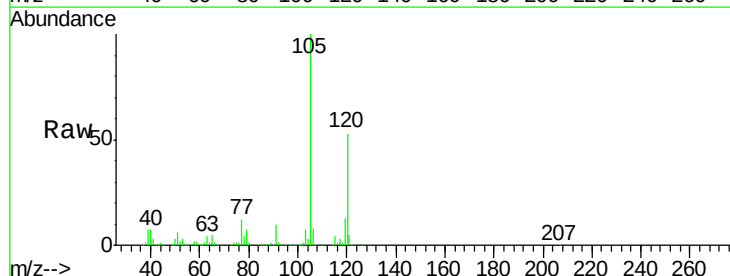
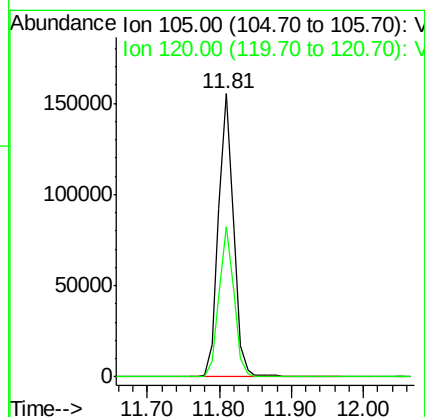
Acq: 20 Mar 2019 12:49

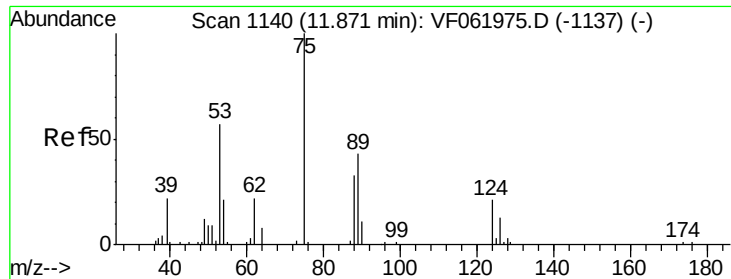
Tgt Ion: 105 Resp: 221335

Ion Ratio Lower Upper

105 100

120 53.2 26.6 79.7





#81

trans-1,4-Dichloro-2-butene

Concen: 22.222 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

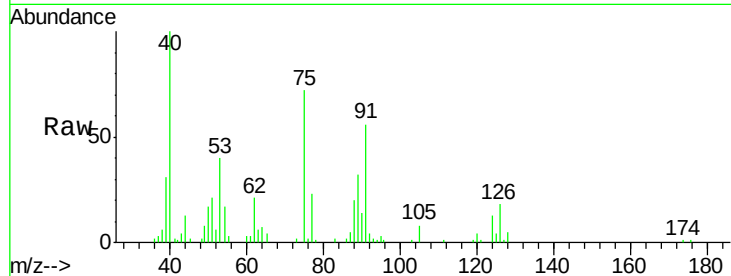
ClientSampleId :

VF0320SBS01

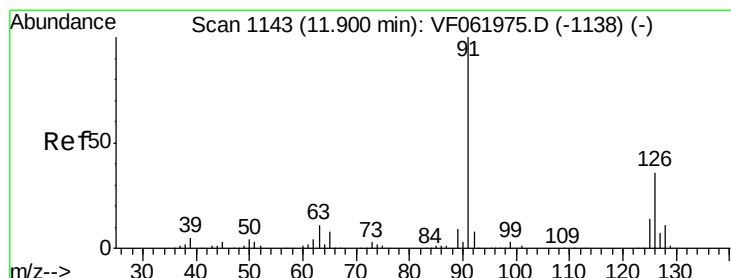
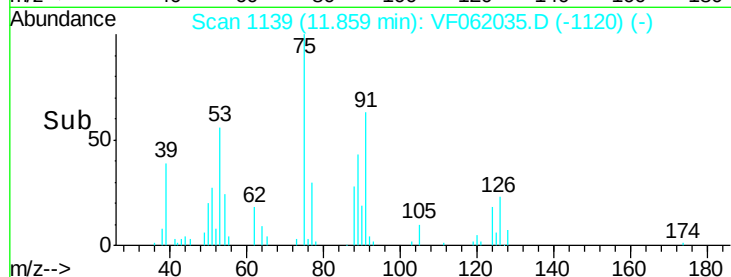
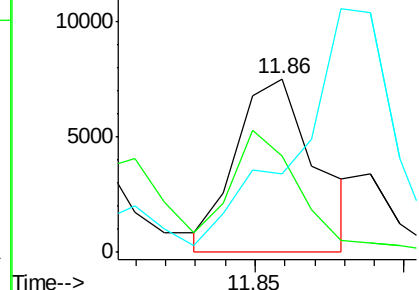
Tot Ion:	75	Resp:	14056
Ion	Ratio	Lower	Upper
75	100		
53	55.7	49.0	73.6
89	45.0	37.1	55.7

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Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.210 ug/l

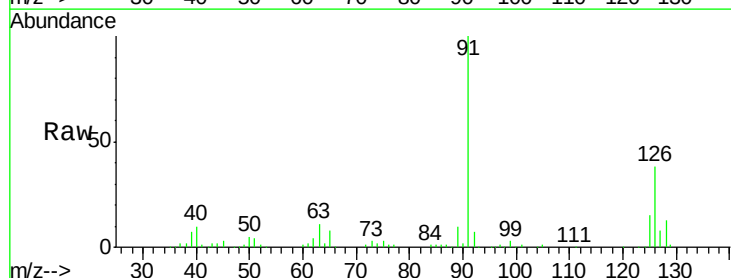
RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

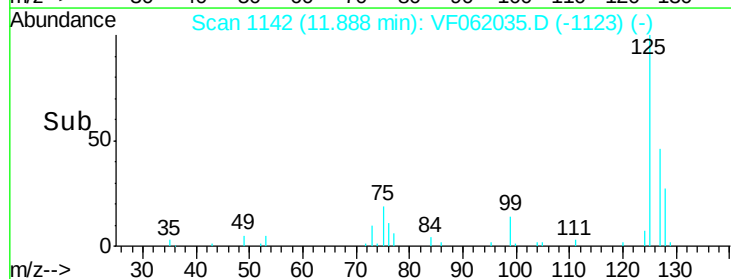
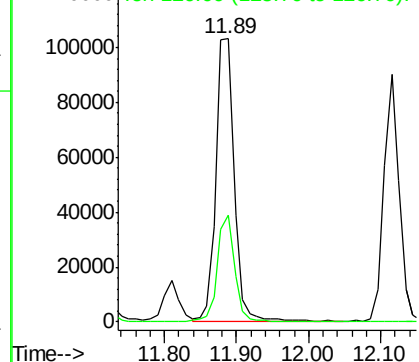
Lab File: VF062035.D

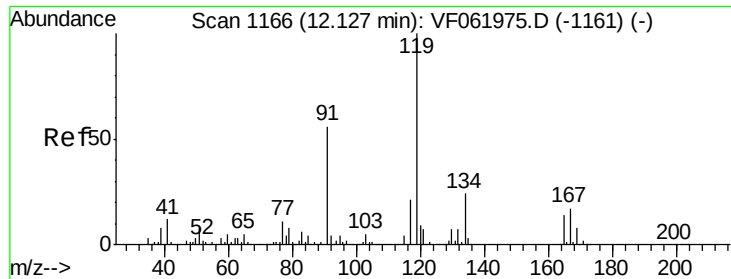
Acq: 20 Mar 2019 12:49

Tgt Ion:	91	Resp:	180583
Ion	Ratio	Lower	Upper
91	100		
126	37.5	18.1	54.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V





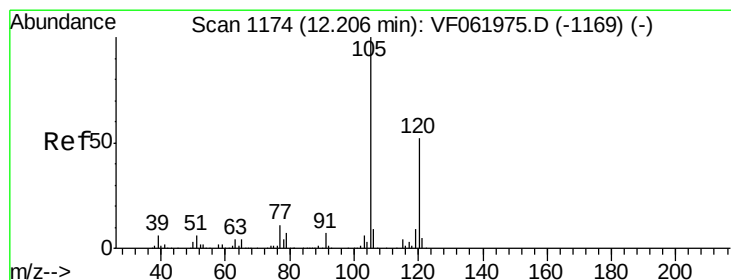
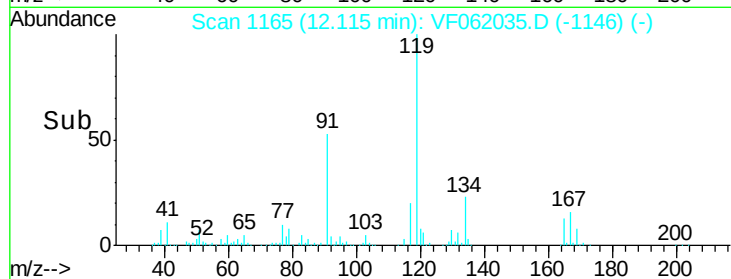
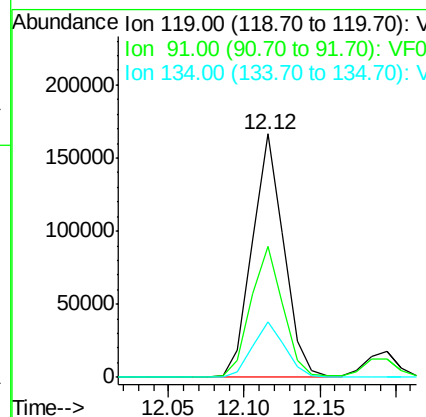
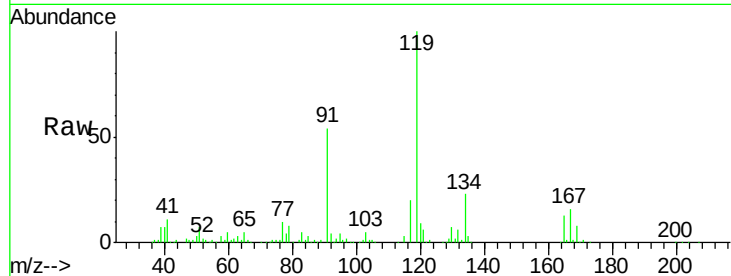
#83
 tert-Butylbenzene
 Concen: 23.190 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242686		
91	54.0		27.9	83.6
134	22.9		12.3	36.8

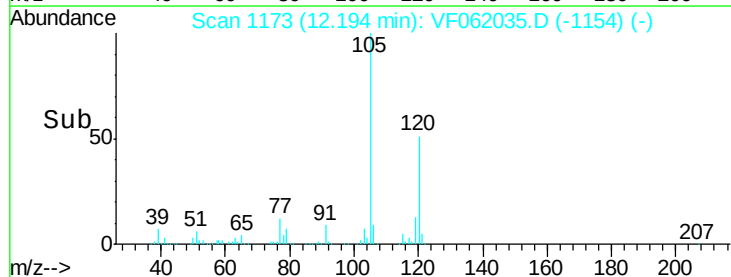
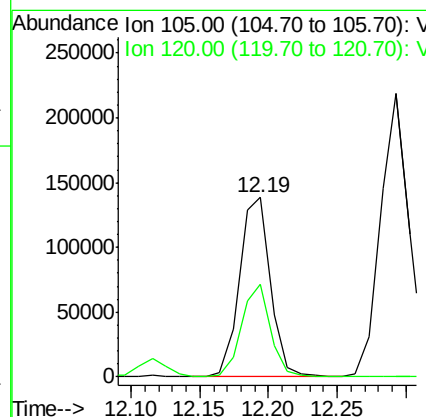
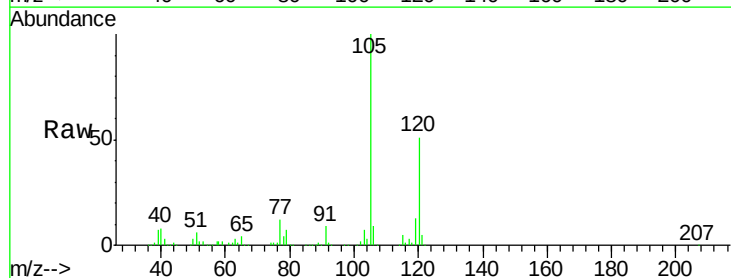
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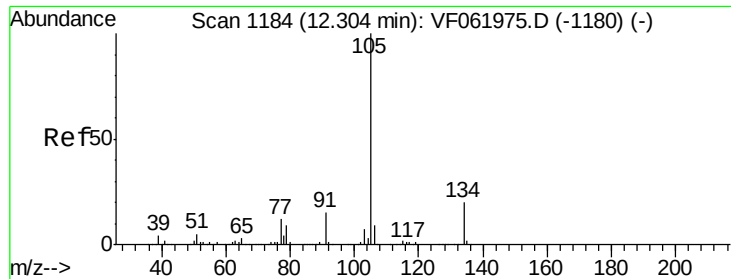
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.714 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217642		
120	51.3		25.9	77.8





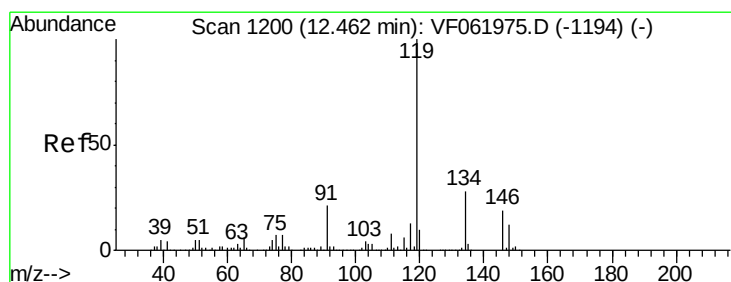
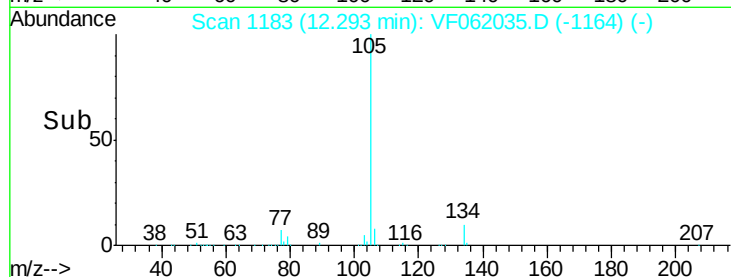
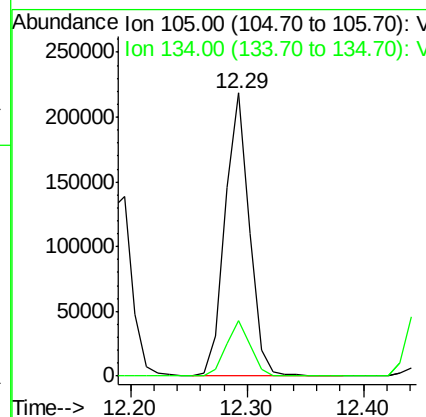
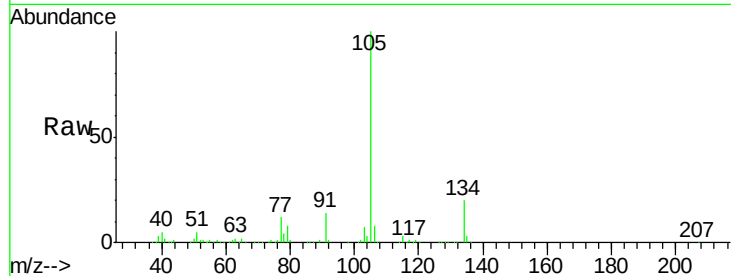
#85
 sec-Butylbenzene
 Concen: 22.355 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8

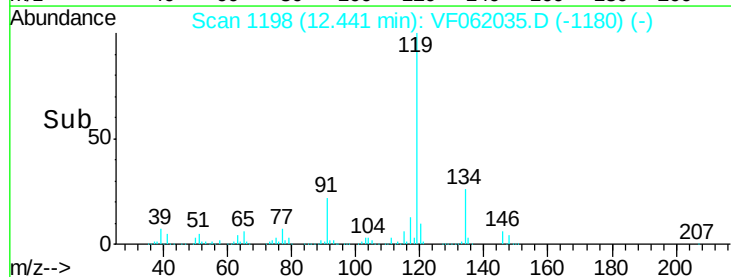
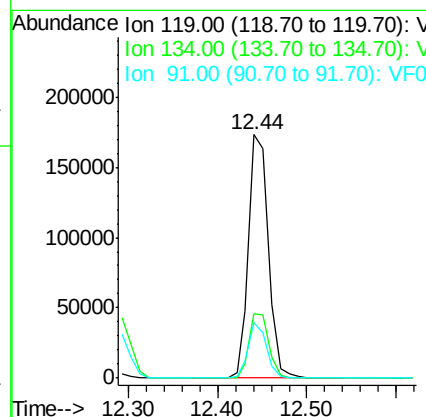
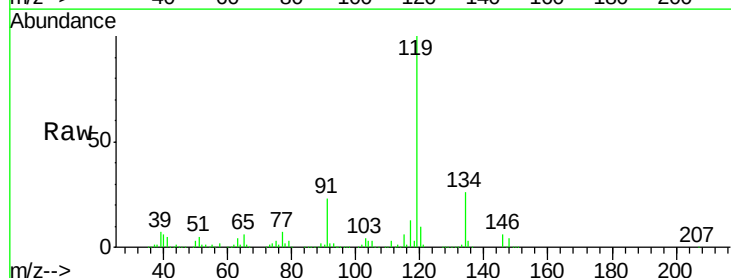
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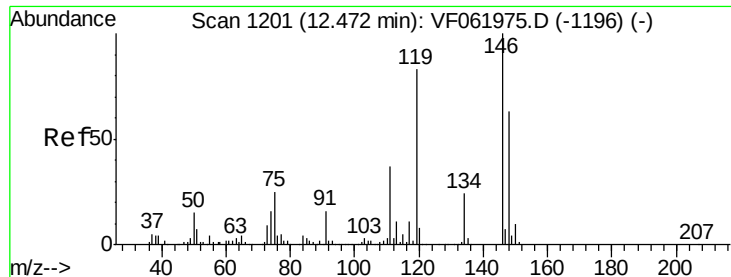
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#86
 p-Isopropyltoluene
 Concen: 22.736 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.9	41.7
91	22.6	10.4	31.1





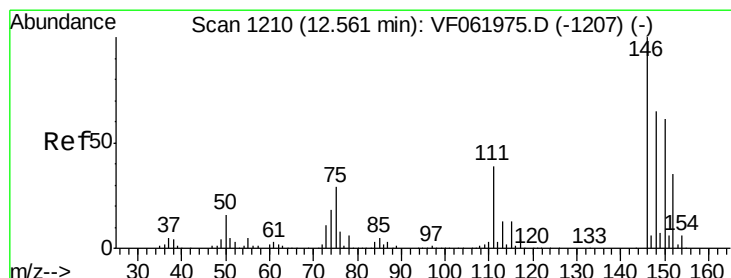
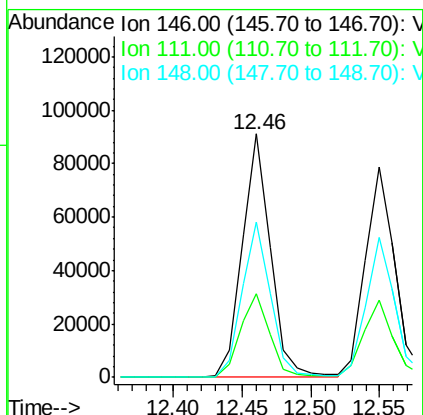
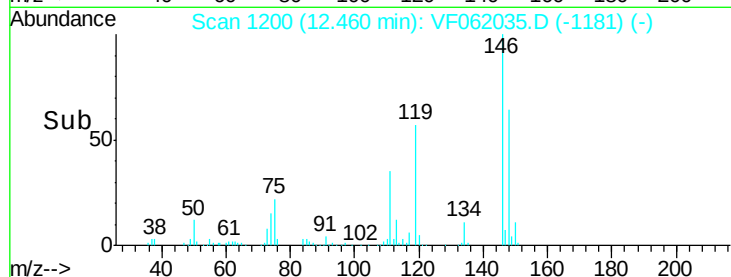
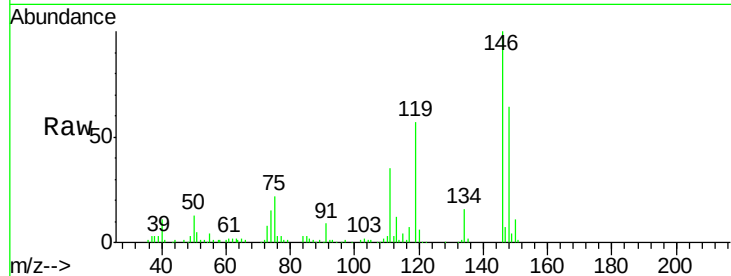
#87
 1,3-Dichlorobenzene
 Concen: 23.213 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.6	55.8
148	64.0	31.3	93.9

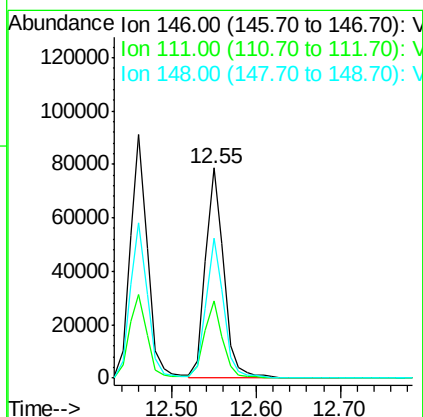
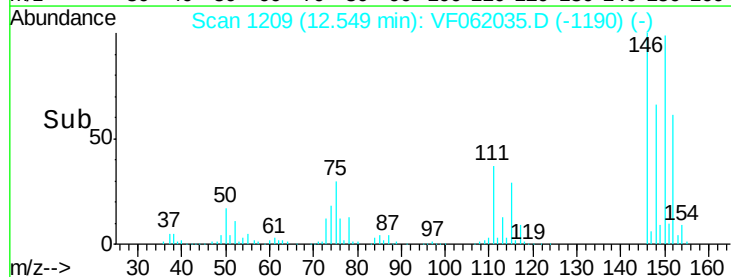
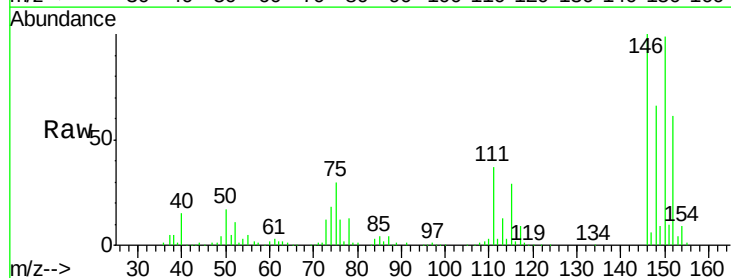
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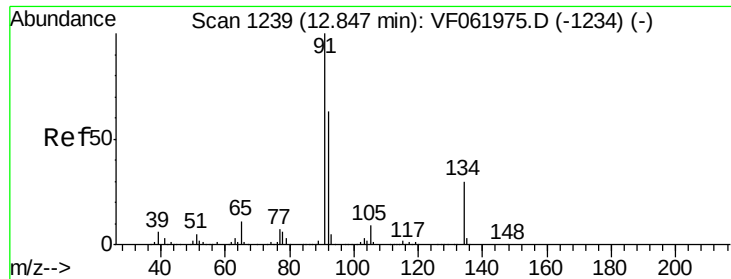
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#88
 1,4-Dichlorobenzene
 Concen: 21.990 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.4	58.1
148	66.5	32.4	97.0





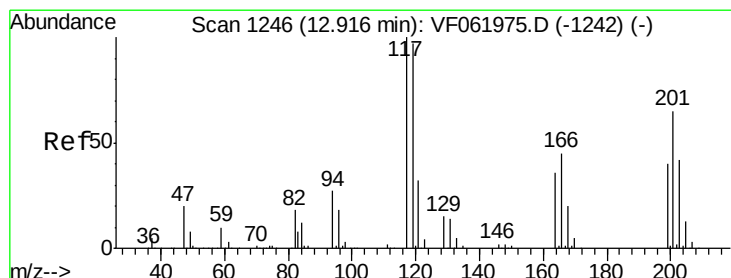
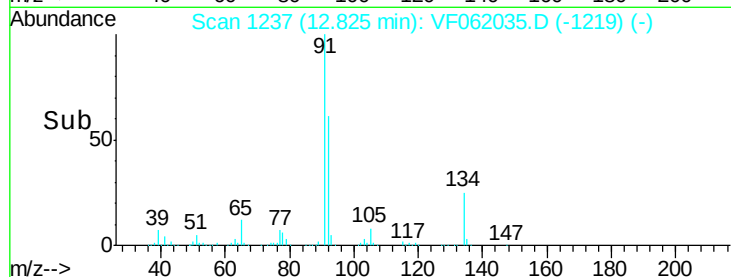
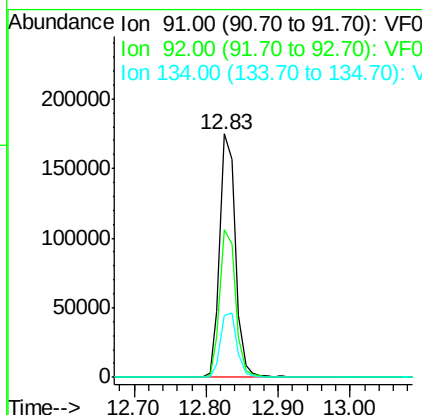
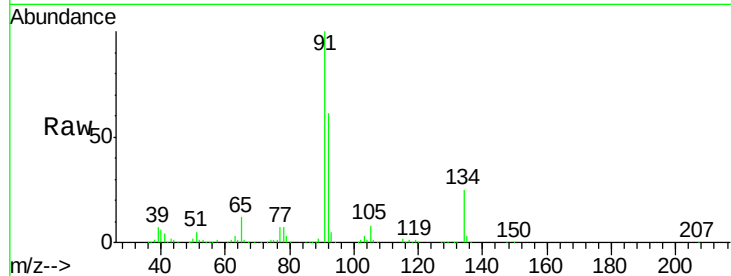
#89
n-Butylbenzene
Concen: 23.714 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Instrument :
MSVOA_F
ClientSampleId :
VF0320SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262903		
92	60.6		31.7	95.1
134	25.5		15.1	45.3

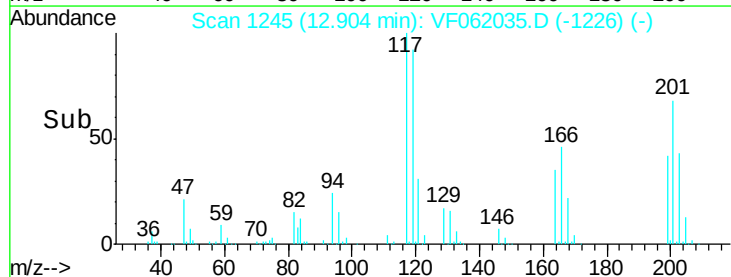
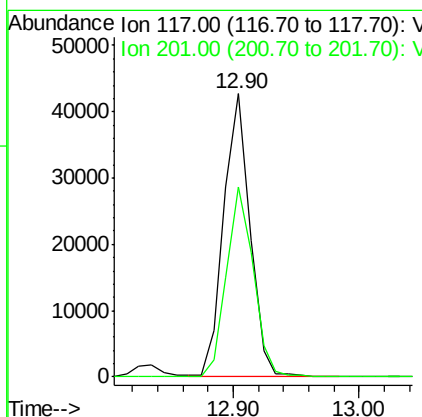
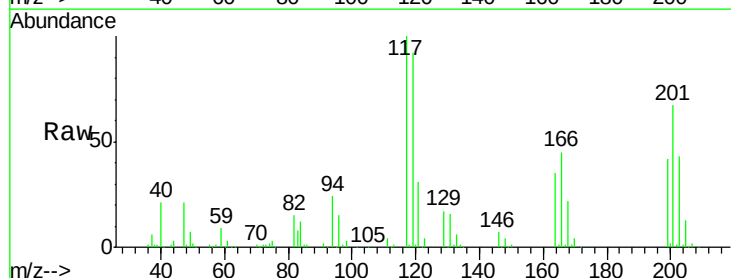
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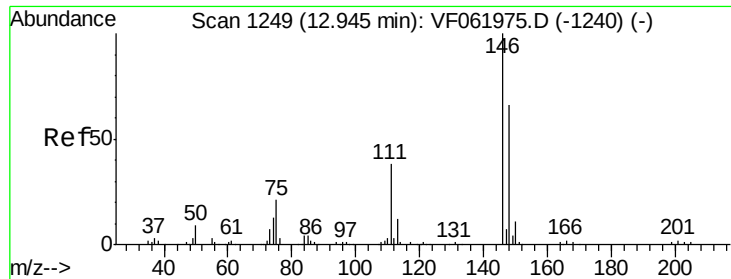
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#90
Hexachloroethane
Concen: 22.977 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF062035.D
Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61866		
201	67.3		32.5	97.5





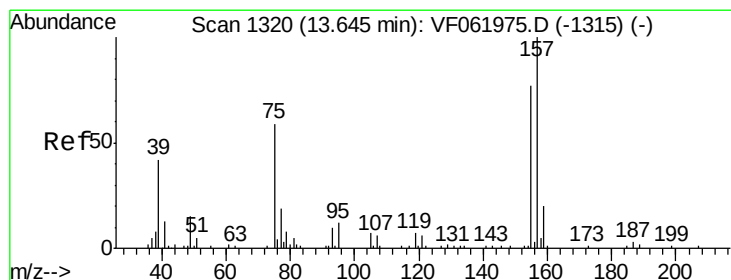
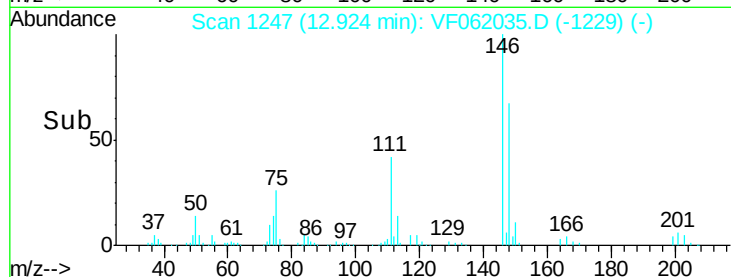
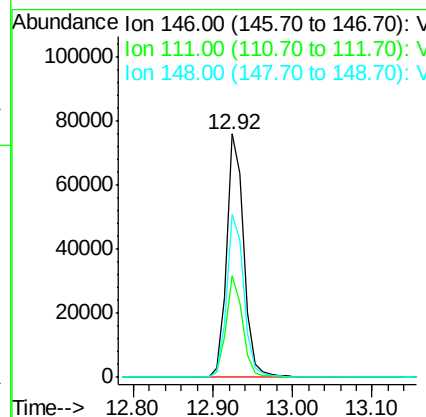
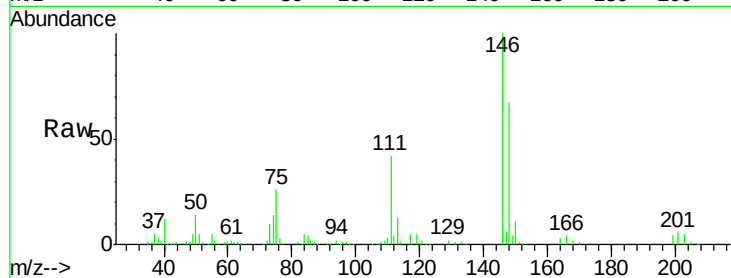
#91
 1,2-Dichlorobenzene
 Concen: 22.390 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.9	56.5
148	66.7	32.9	98.6

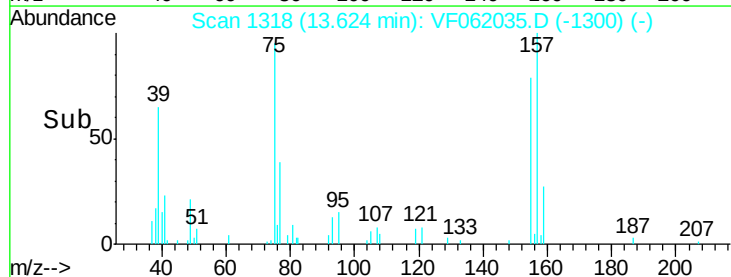
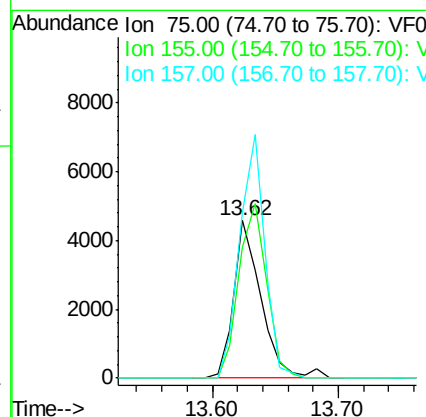
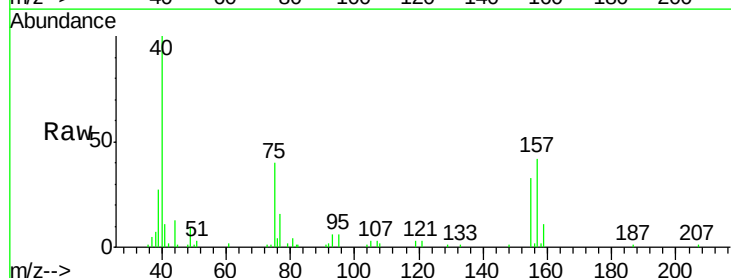
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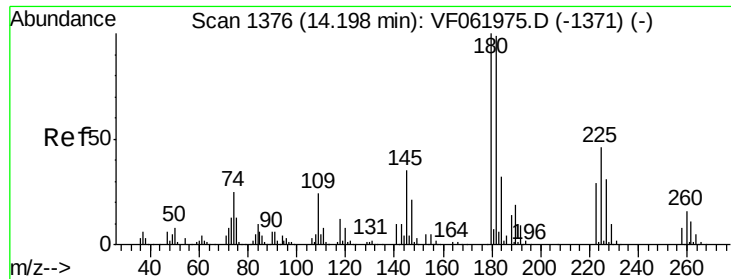
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.885 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	65.0	195.1
157	105.2	84.7	254.0





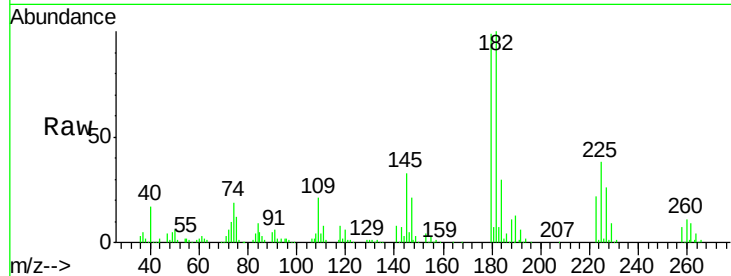
#93
 1,2,4-Trichlorobenzene
 Concen: 22.651 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0320SBS01

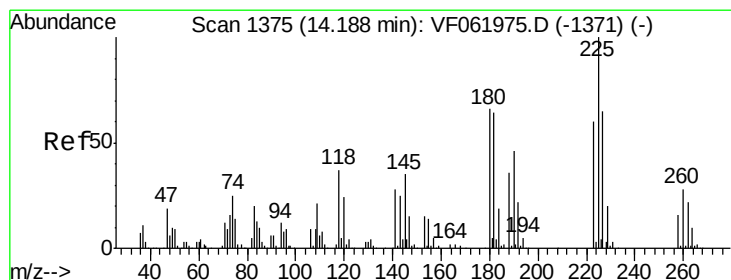
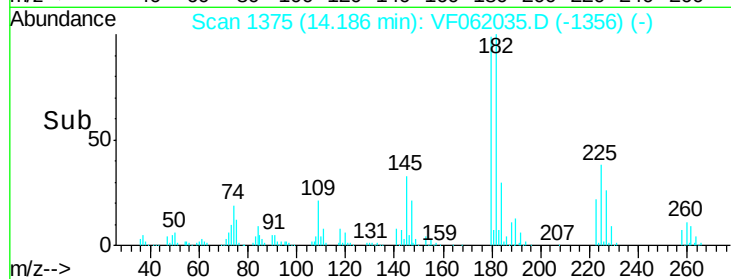
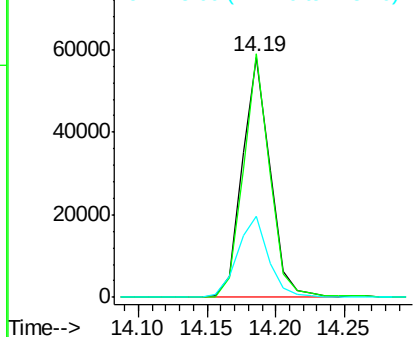
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	101.5	49.6	149.0	
145	33.7	17.5	52.5	

Manual Integrations
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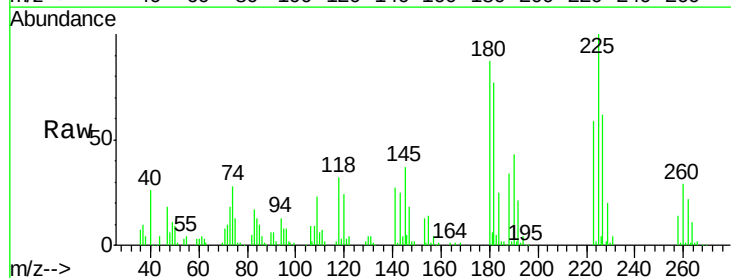


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

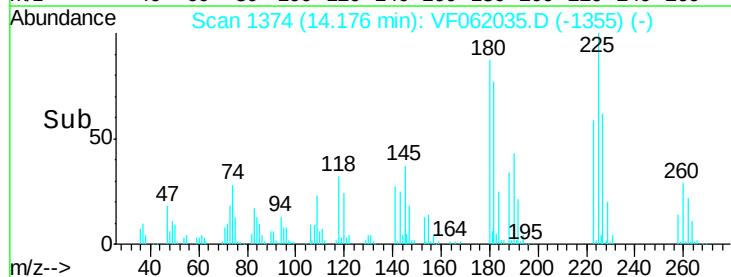
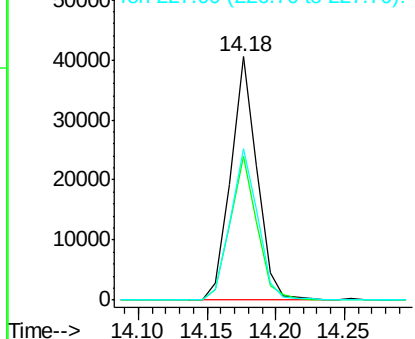


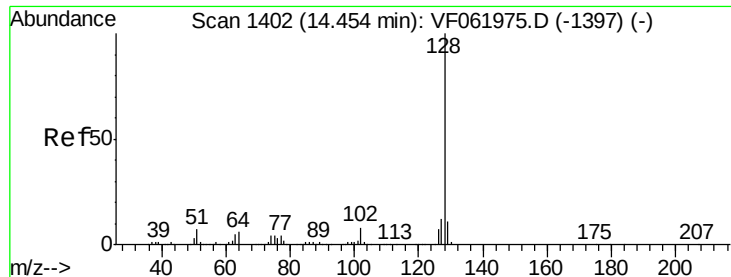
#94
 Hexachlorobutadiene
 Concen: 22.405 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF062035.D
 Acq: 20 Mar 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.1	29.9	89.7	
227	62.3	32.4	97.2	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.309 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Instrument :

MSVOA_F

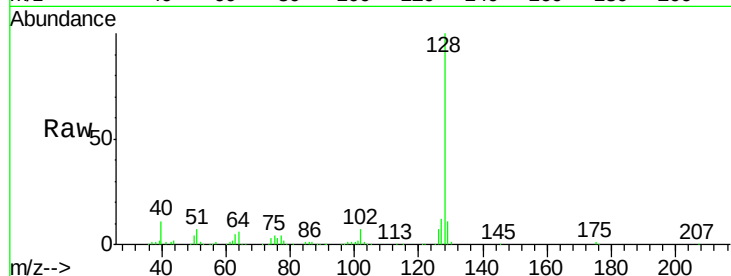
ClientSampleId :

VF0320SBS01

Tot Ion:	128	Resp:	139368
Ion Ratio	Lower	Upper	
128	100		
127	12.0	9.3	13.9
129	11.3	9.1	13.7

Manual Integrations
APPROVED

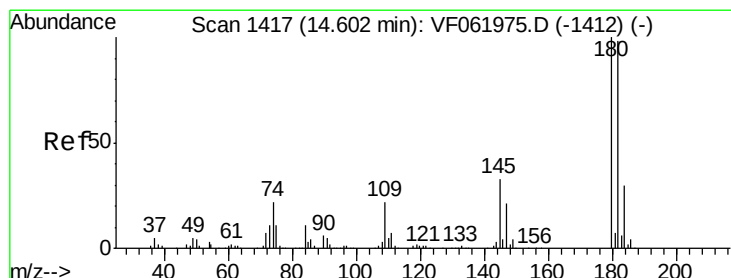
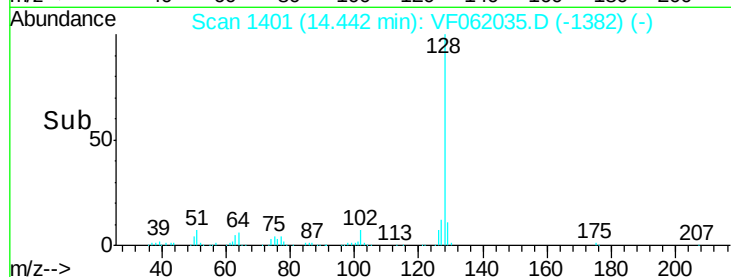
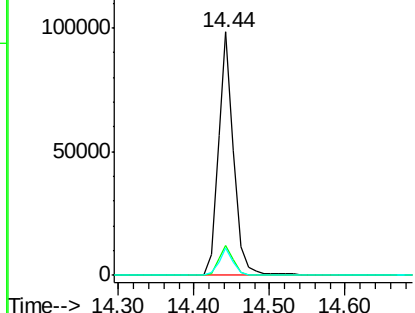
MMDadoda
3/22/2019 4:51:36 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.064 ug/l

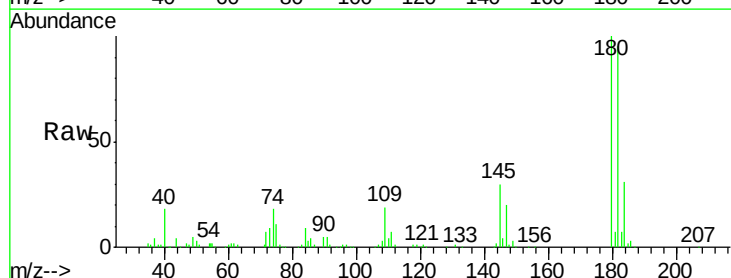
RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062035.D

Acq: 20 Mar 2019 12:49

Tgt Ion:	180	Resp:	77162
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.9	146.8
145	30.3	16.7	50.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

