

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061830.D
 Acq On : 4 Mar 2019 20:50
 Operator : VA/AP
 Sample : VF0304SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:48:11 AM

Quant Time: Mar 05 05:40:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	306923	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	468657	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	405774	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	217883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	126328	56.13	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.26%	
35) Dibromofluoromethane	4.11	113	181339	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	7.55	98	507916	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.41	95	205350	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	87276	24.761	ug/l	97
3) Chloromethane	1.11	50	83331	22.533	ug/l	91
4) Vinyl Chloride	1.15	62	76898	22.368	ug/l	97
5) Bromomethane	1.32	94	51740	21.867	ug/l	95
6) Chloroethane	1.39	64	36501	21.544	ug/l	94
7) Trichlorofluoromethane	1.50	101	92453m	22.296	ug/l	
8) Diethyl Ether	1.63	74	22345	21.383	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	64727	21.638	ug/l #	91
10) Methyl Iodide	1.90	142	122865m	21.502	ug/l	
11) Tert butyl alcohol	2.59	59	15921	122.228	ug/l	97
12) 1,1-Dichloroethene	1.80	96	58443	22.221	ug/l	94
13) Acrolein	2.00	56	17755	108.454	ug/l #	79
14) Allyl chloride	2.10	41	73920	22.904	ug/l	94
15) Acrylonitrile	2.95	53	46759	101.204	ug/l	92
16) Acetone	2.24	43	47148	97.635	ug/l #	87
17) Carbon Disulfide	1.83	76	179724m	21.740	ug/l	
18) Methyl Acetate	2.35	43	24713	22.717	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	102431	22.789	ug/l	99
20) Methylene Chloride	2.18	84	65602m	22.489	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	58056	20.306	ug/l	94
22) Diisopropyl ether	2.80	45	174034	22.465	ug/l	96
23) Vinyl Acetate	3.19	43	396707	104.843	ug/l	98
24) 1,1-Dichloroethane	2.87	63	95838	20.442	ug/l	99
25) 2-Butanone	4.34	43	103190	97.828	ug/l	99
26) 2,2-Dichloropropane	3.60	77	42157	21.229	ug/l	94
27) cis-1,2-Dichloroethene	3.48	96	75785	20.195	ug/l	95
28) Bromochloromethane	3.72	49	41591	18.489	ug/l	99
29) Tetrahydrofuran	4.08	42	48391	100.937	ug/l	96
30) Chloroform	3.87	83	111034	20.826	ug/l	94
31) Cyclohexane	3.69	56	104611m	20.612	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	76027	21.769	ug/l	95
36) 1,1-Dichloropropene	4.28	75	91092	19.621	ug/l	95
37) Ethyl Acetate	4.11	43	43381	20.117	ug/l #	76
38) Carbon Tetrachloride	4.00	117	64888	20.241	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	103315	18.817	ug/l	95
40) Benzene	4.64	78	237270	19.539	ug/l	99
41) Methacrylonitrile	4.75	41	21250	19.270	ug/l	95
42) 1,2-Dichloroethane	4.94	62	58227	20.045	ug/l	91
43) Isopropyl Acetate	6.95	43	47050	18.433	ug/l #	94
44) Trichloroethene	5.50	130	76726	19.538	ug/l	99
45) 1,2-Dichloropropane	6.23	63	55351	18.857	ug/l	95
46) Dibromomethane	6.09	93	35096	19.419	ug/l	89
47) Bromodichloromethane	6.38	83	79516	20.091	ug/l	99
48) Methyl methacrylate	6.72	41	32216	20.973	ug/l	90
49) 1,4-Dioxane	6.71	88	5758	398.761	ug/l #	77
51) 4-Methyl-2-Pentanone	8.26	43	180649	99.049	ug/l	99
52) Toluene	7.62	92	144993	19.687	ug/l	92
53) t-1,3-Dichloropropene	8.27	75	68779	20.881	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	87182	19.871	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	42701	19.734	ug/l	98
56) Ethyl methacrylate	8.62	69	44125	18.316	ug/l	93
57) 1,3-Dichloropropane	8.86	76	66228	18.337	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	35258	84.823	ug/l #	84
59) 2-Hexanone	9.49	43	122732	96.000	ug/l	97
60) Dibromochloromethane	8.72	129	59131	19.633	ug/l	96
61) 1,2-Dibromoethane	8.98	107	45700	19.472	ug/l	95
64) Tetrachloroethene	8.16	164	64950	19.582	ug/l	98
65) Chlorobenzene	9.79	112	158676	19.271	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	63936	19.816	ug/l	95
67) Ethyl Benzene	9.90	91	272543	19.904	ug/l	100
68) m/p-Xylenes	10.13	106	217521	41.507	ug/l	93
69) o-Xylene	10.71	106	110345	19.733	ug/l	93
70) Styrene	10.79	104	159479	20.160	ug/l	98
71) Bromoform	10.77	173	35000	19.976	ug/l	99
73) Isopropylbenzene	11.12	105	323129	20.830	ug/l	98
74) N-amyl acetate	11.37	43	78814	21.167	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	54735	19.695	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	39135	20.712	ug/l	98
77) Bromobenzene	11.49	156	77920	20.332	ug/l	86
78) n-propylbenzene	11.60	91	362095	20.341	ug/l	99
79) 2-Chlorotoluene	11.72	91	196531	19.713	ug/l	91
80) 1,3,5-Trimethylbenzene	11.82	105	261554	21.096	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	16910m	18.667	ug/l	
82) 4-Chlorotoluene	11.89	91	210844	20.375	ug/l	92
83) tert-Butylbenzene	12.13	119	282997	20.608	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	252063	20.463	ug/l	92
85) sec-Butylbenzene	12.31	105	371438	20.916	ug/l	98
86) p-Isopropyltoluene	12.46	119	314597	21.109	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	153448	20.538	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	142962	19.897	ug/l	97
89) n-Butylbenzene	12.84	91	293358	20.845	ug/l	96
90) Hexachloroethane	12.92	117	69740	20.120	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	141352	19.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8336	18.918	ug/l	93

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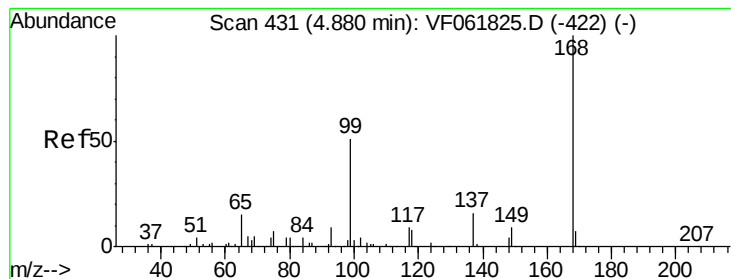
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	97963	19.232	µg/l	95
94) Hexachlorobutadiene	14.19	225	64373	20.463	µg/l	96
95) Naphthalene	14.46	128	177463	19.913	µg/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	91898	19.657	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion:168 Resp: 306923

Ion Ratio Lower Upper

168 100

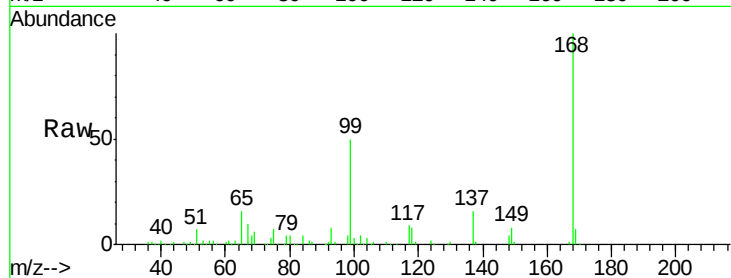
99 49.9 34.9 52.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

60000

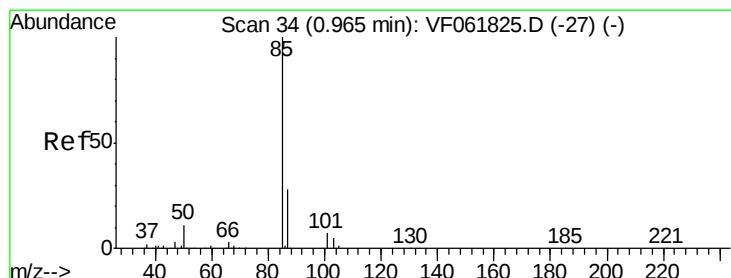
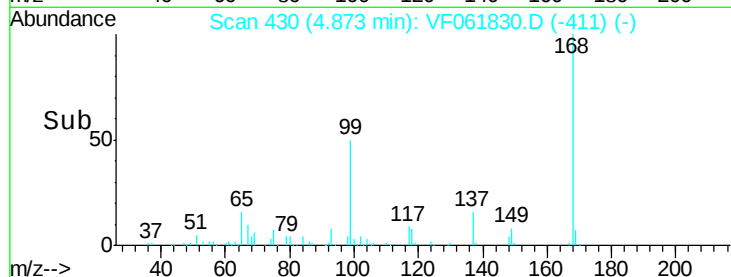
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 24.761 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061830.D

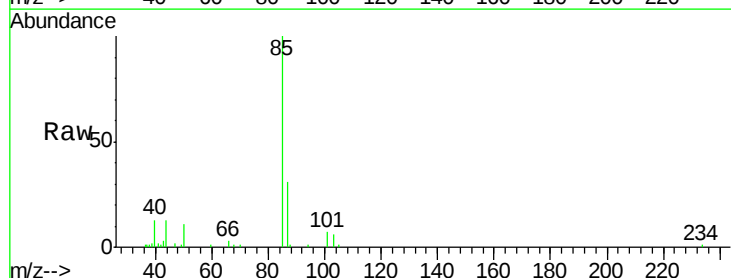
Acq: 4 Mar 2019 20:50

Tgt Ion: 85 Resp: 87276

Ion Ratio Lower Upper

85 100

87 30.6 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

25000

20000

15000

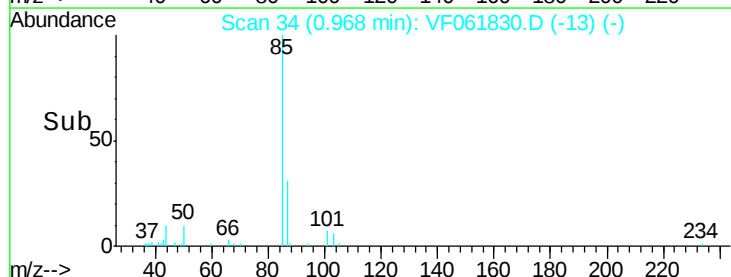
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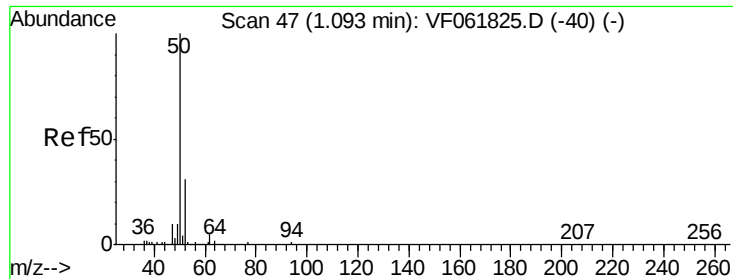
5000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 22.533 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 50 Resp: 83331

Ion Ratio Lower Upper

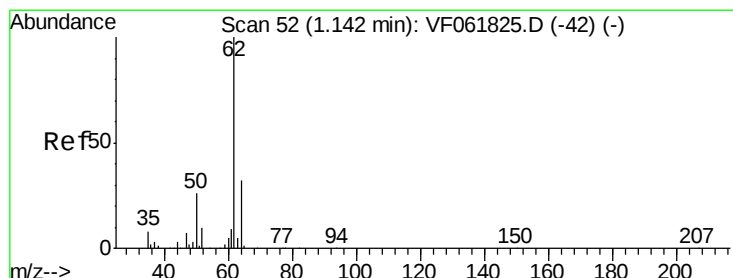
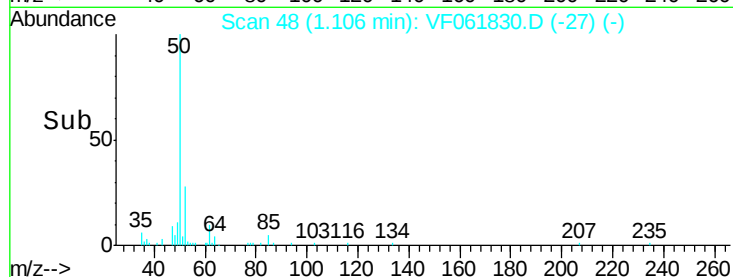
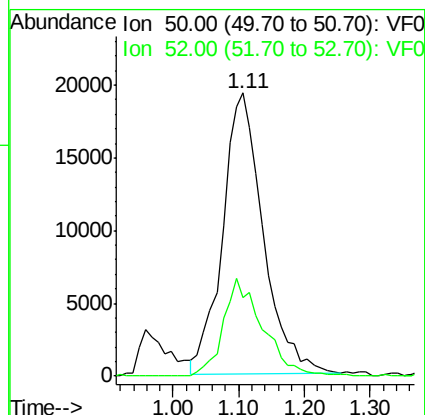
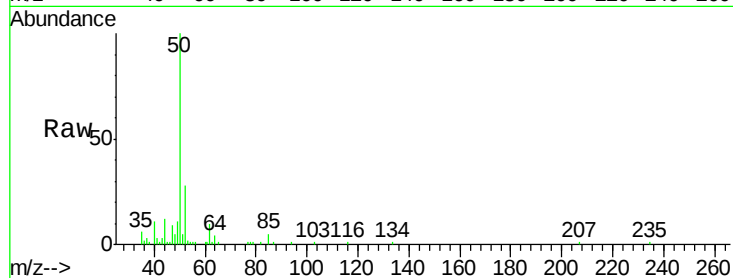
50 100

52 27.8 26.2 39.4

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3/5/2019 10:48:11 AM



#4

Vinyl Chloride

Concen: 22.368 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061830.D

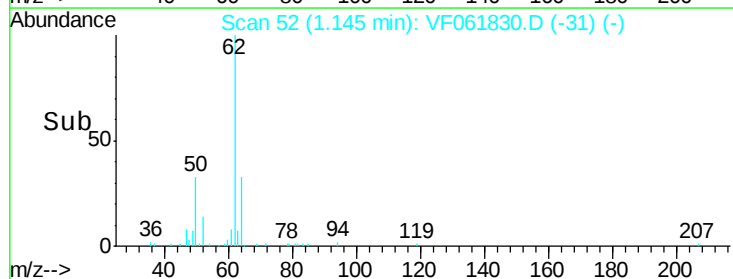
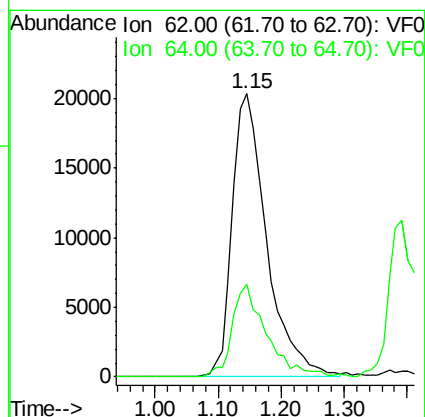
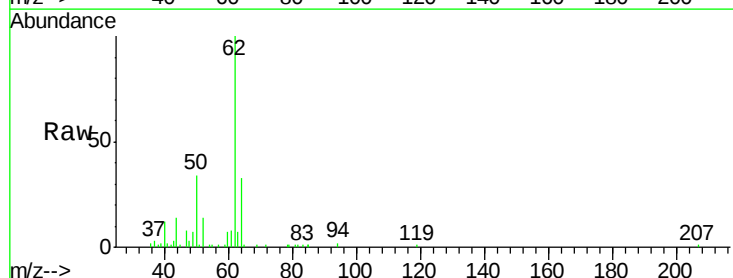
Acq: 4 Mar 2019 20:50

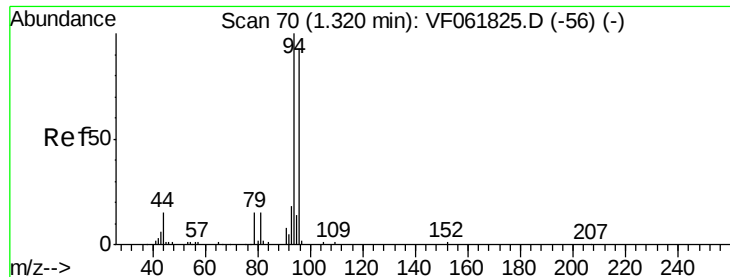
Tgt Ion: 62 Resp: 76898

Ion Ratio Lower Upper

62 100

64 32.5 27.5 41.3





#5

Bromomethane

Concen: 21.867 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 94 Resp: 51740

Ion Ratio Lower Upper

94 100

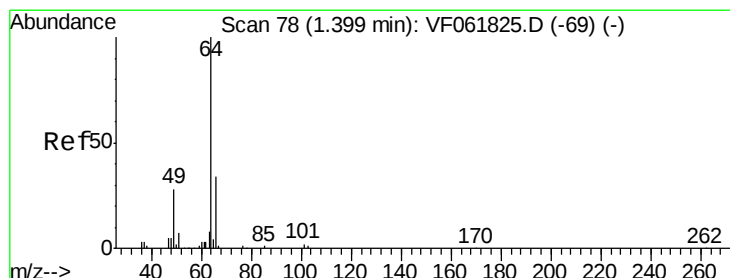
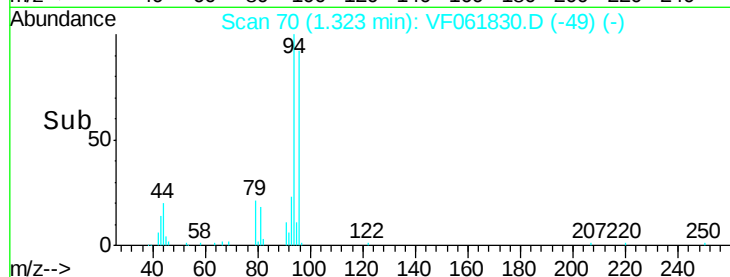
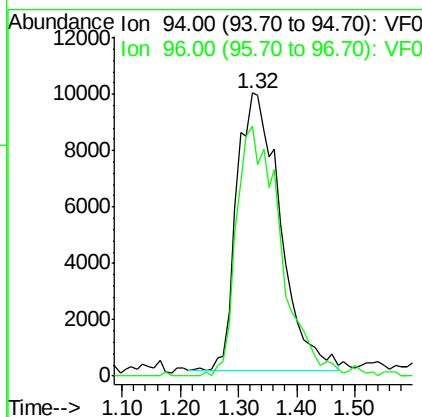
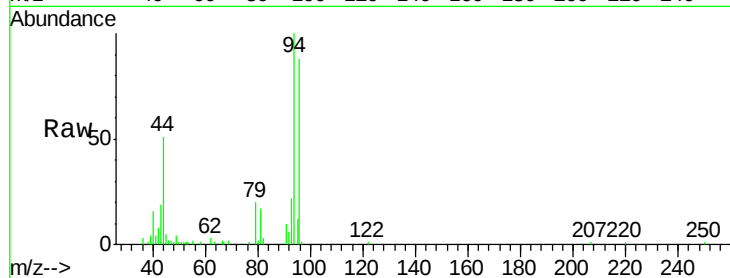
96 88.4 74.6 112.0

Manual Integrations

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3/5/2019 10:48:11 AM



#6

Chloroethane

Concen: 21.544 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061830.D

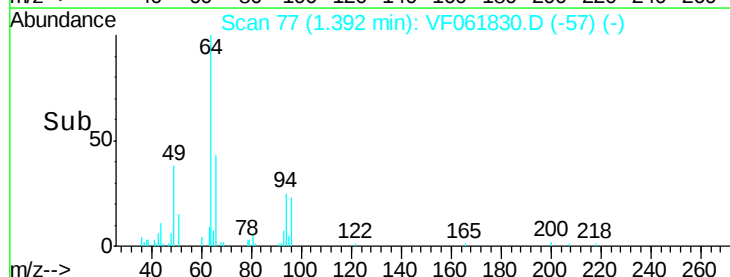
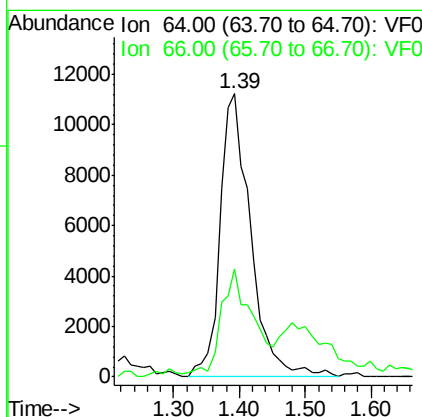
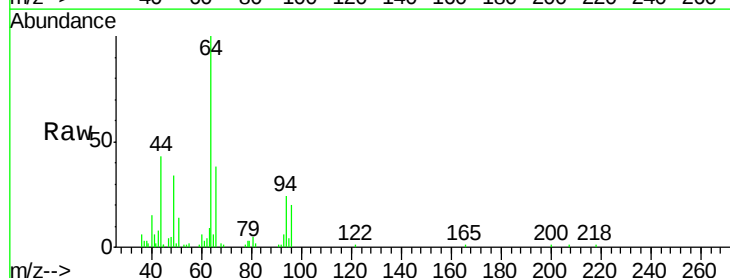
Acq: 4 Mar 2019 20:50

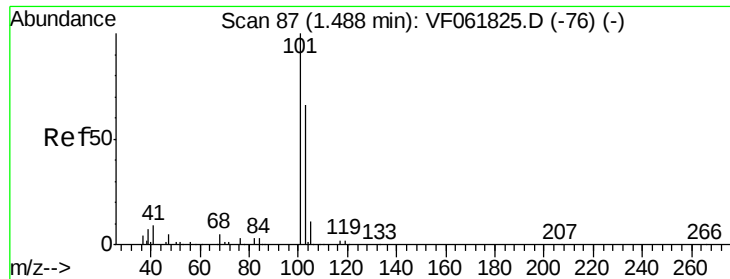
Tgt Ion: 64 Resp: 36501

Ion Ratio Lower Upper

64 100

66 38.3 27.9 41.9





#7

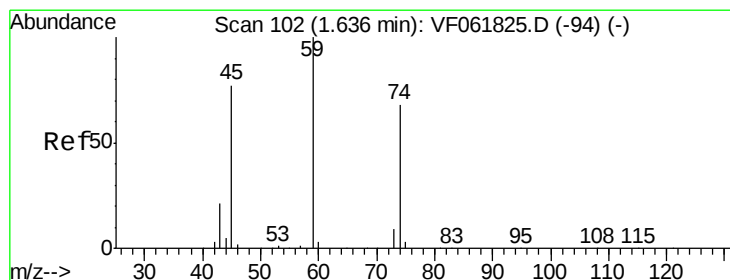
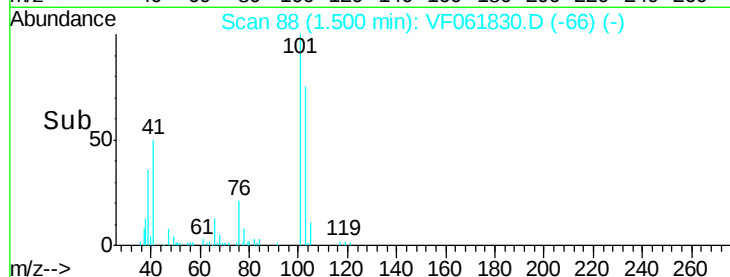
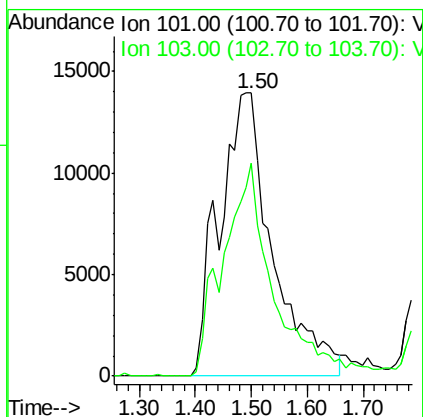
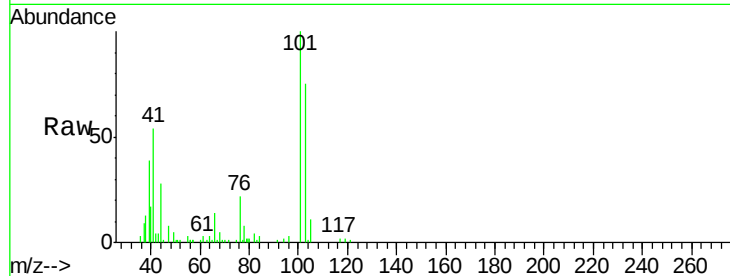
Trichlorofluoromethane
Concen: 22.296 ug/l
RT: 1.50 min Scan# 88
Delta R.T. 0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
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ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	75.0	49.3	73.9#

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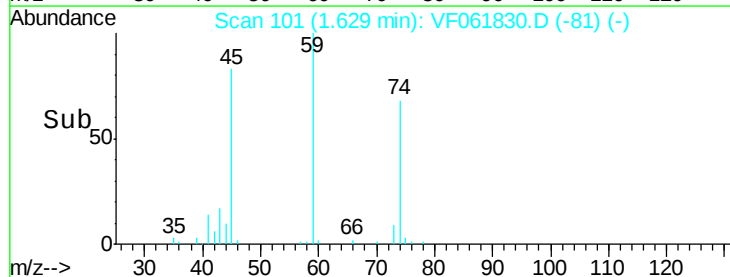
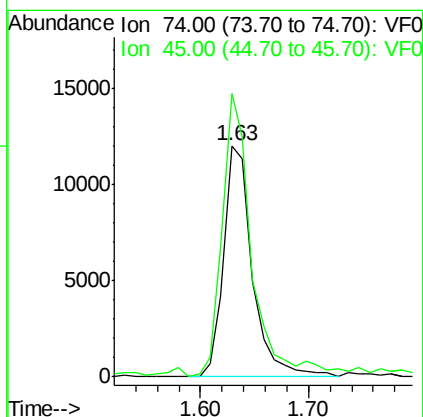
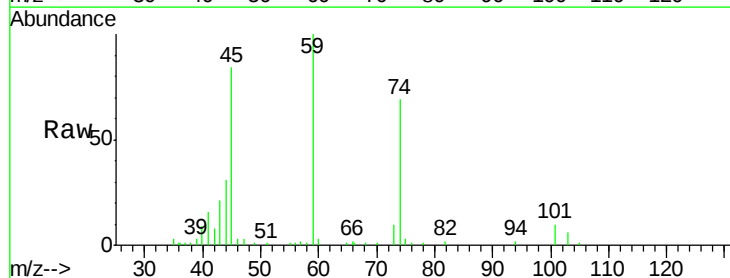
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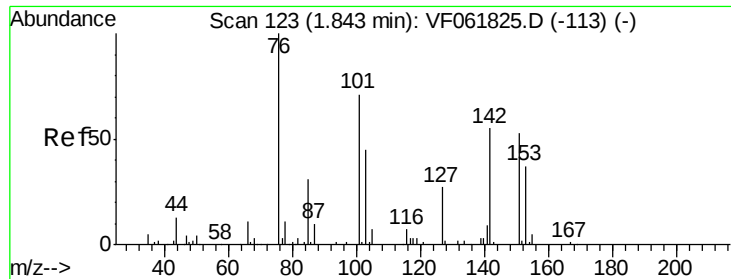


#8

Diethyl Ether
Concen: 21.383 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.5	60.8	182.3





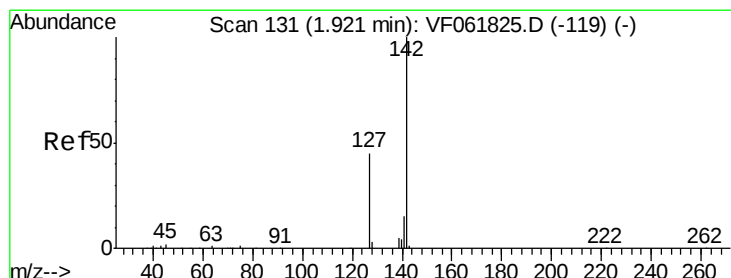
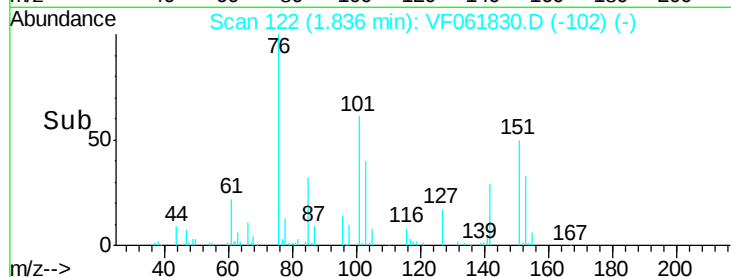
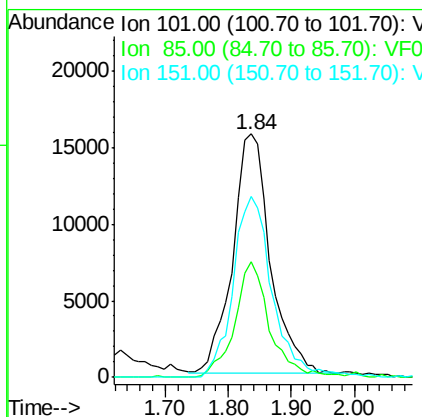
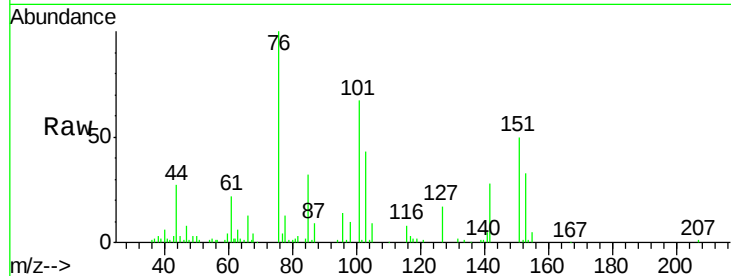
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.638 ug/l
 RT: 1.84 min Scan# 122
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
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 VF0304SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.3	29.8	44.6#
151	74.1	56.3	84.5

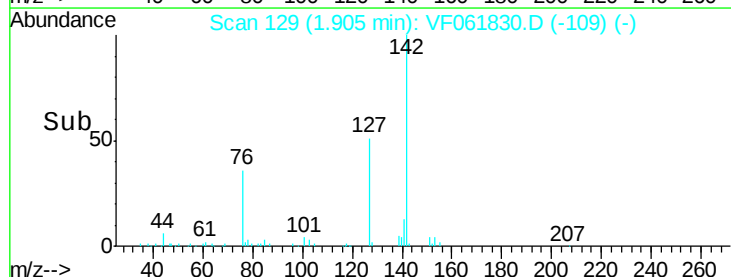
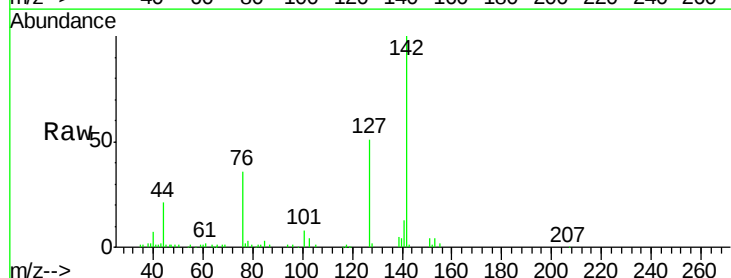
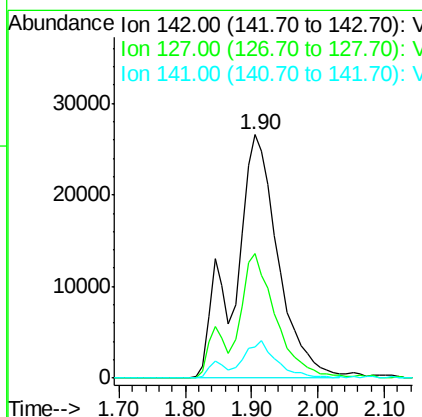
Manual Integrations
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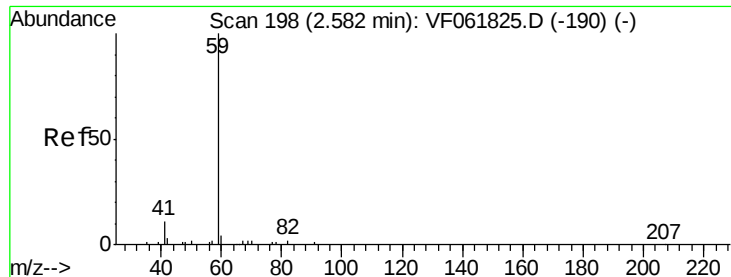
MMDadoda
 3/5/2019 10:48:11 AM



#10
 Methyl Iodide
 Concen: 21.502 ug/l m
 RT: 1.90 min Scan# 129
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.0	36.6	55.0
141	12.6	11.0	16.6





#11

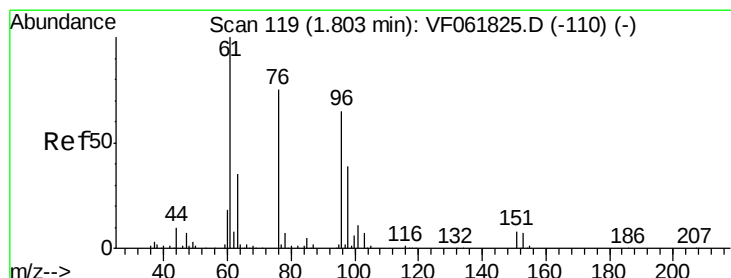
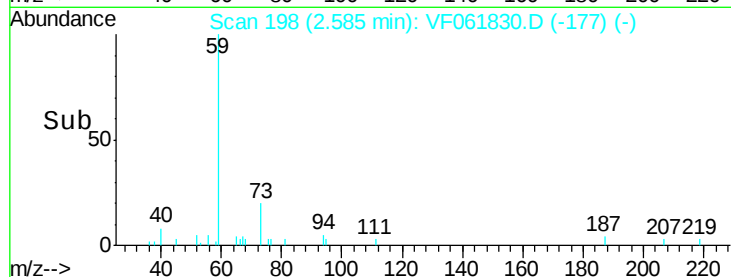
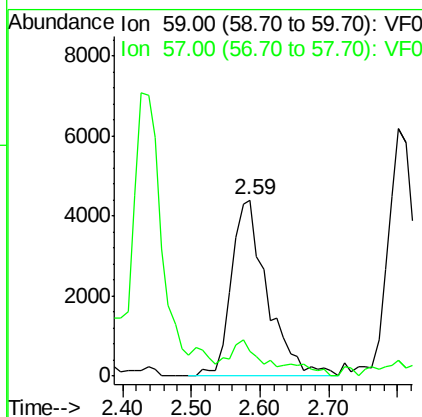
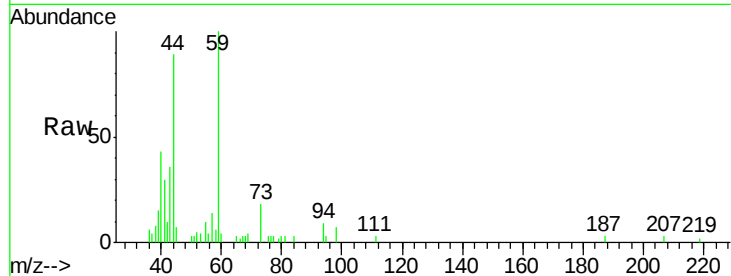
Tert butyl alcohol
Concen: 122.228 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	59	Resp	15921
Ion Ratio	100	Lower	Upper
57	14.2	12.5	18.7

Manual Integrations
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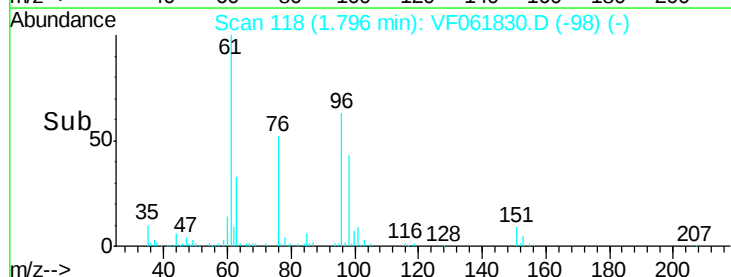
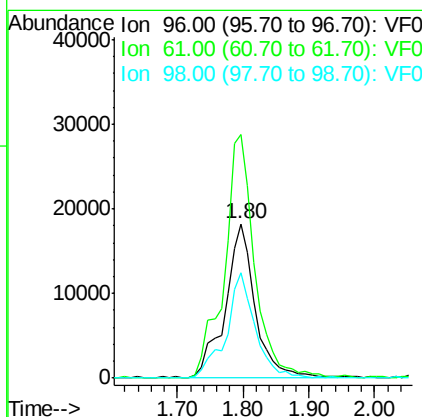
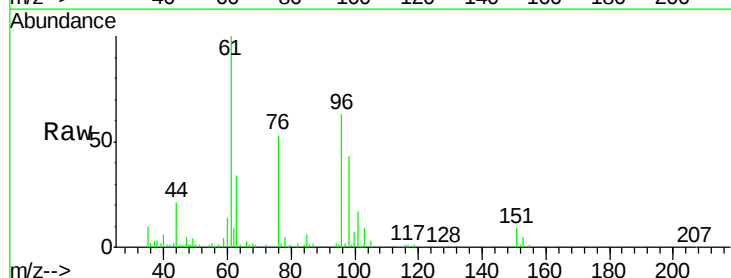
MMDadoda
3/5/2019 10:48:11 AM

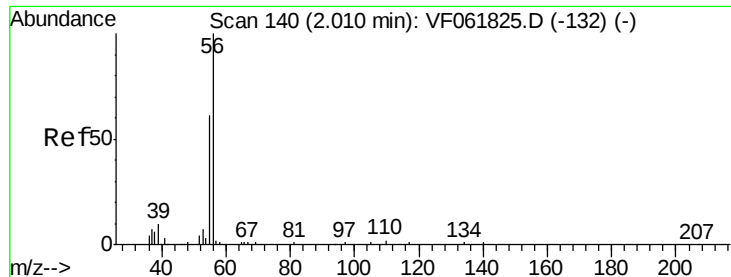


#12

1,1-Dichloroethene
Concen: 22.221 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	96	Resp	58443
Ion Ratio	100	Lower	Upper
61	157.5	122.6	184.0
98	67.8	47.2	70.8





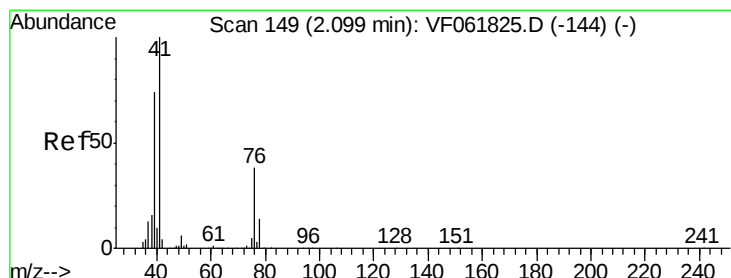
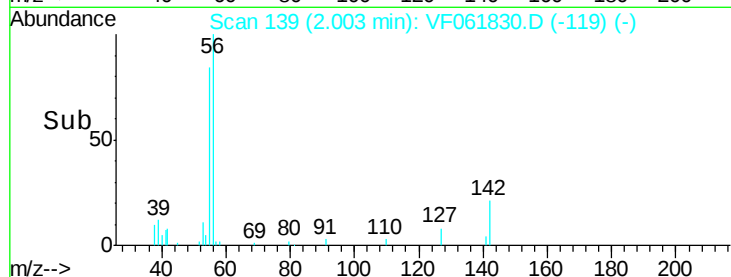
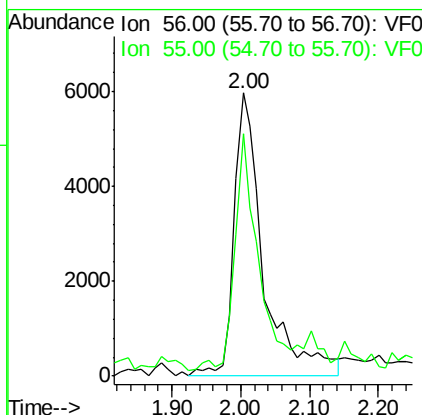
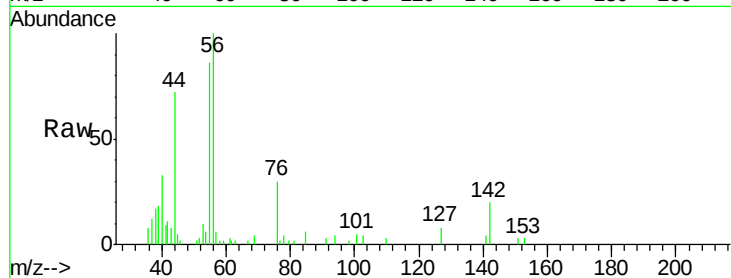
#13
Acrolein
Concen: 108.454 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	56	Resp	17755
Ion Ratio	100	Lower	Upper
55	85.7	55.0	82.6#

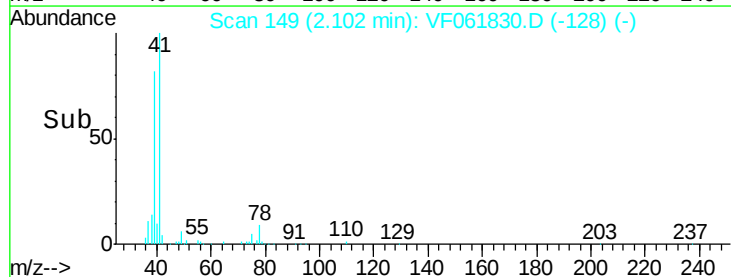
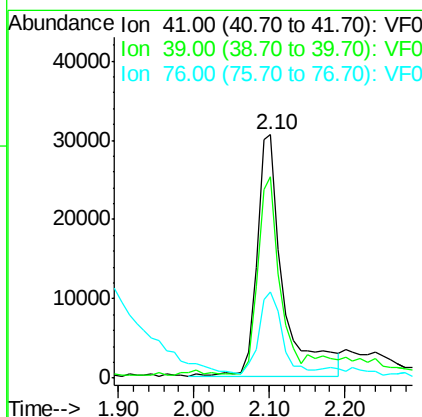
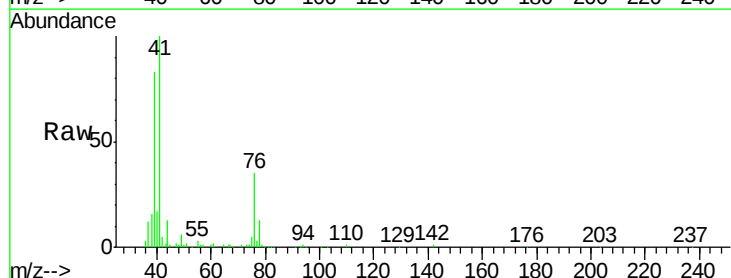
Manual Integrations
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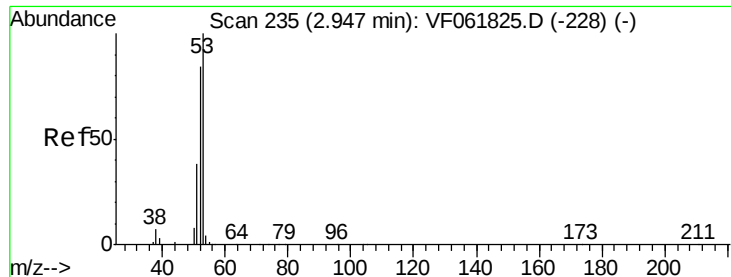
MMDadoda
3/5/2019 10:48:11 AM



#14
Allyl chloride
Concen: 22.904 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	41	Resp	73920
Ion Ratio	100	Lower	Upper
39	82.6	61.6	92.4
76	35.2	30.3	45.5





#15

Acrylonitrile

Concen: 101.204 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

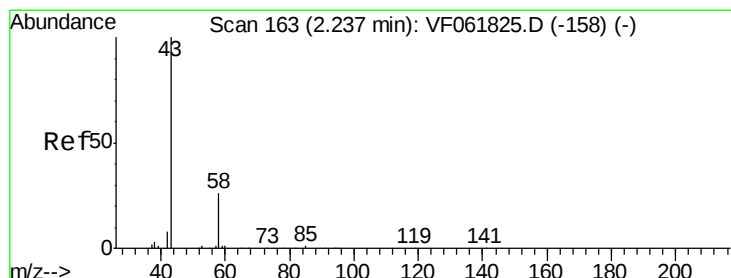
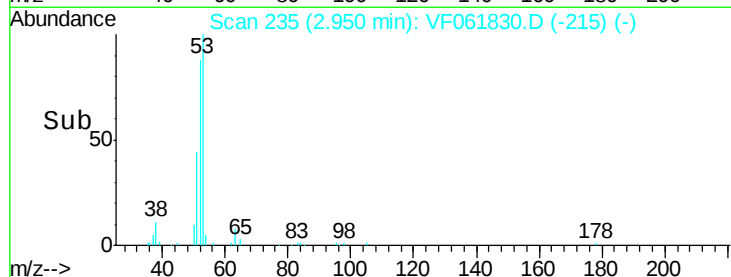
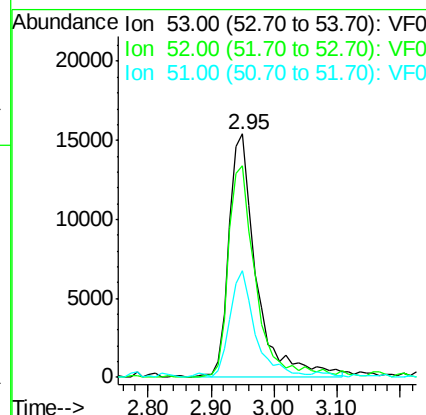
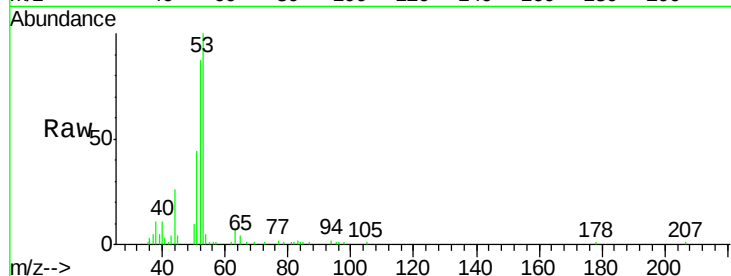
ClientSampleId :

VF0304SBS01

Tot Ion:	53	Resp:	46759
Ion	Ratio	Lower	Upper
53	100		
52	87.0	64.6	97.0
51	43.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 97.635 ug/l

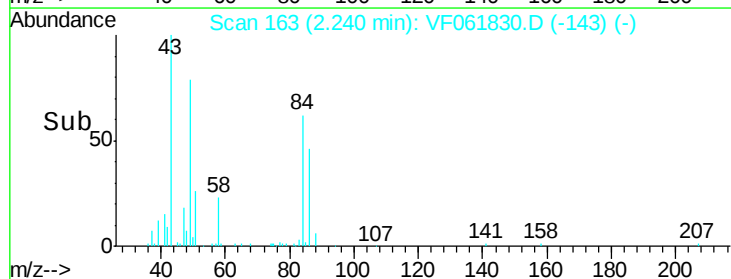
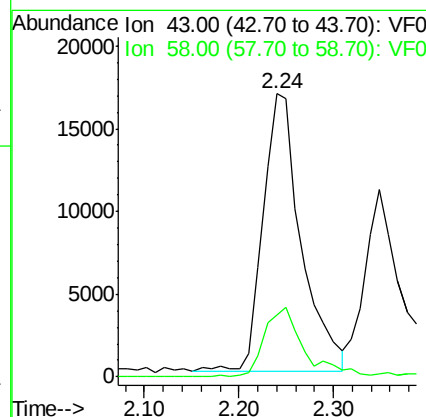
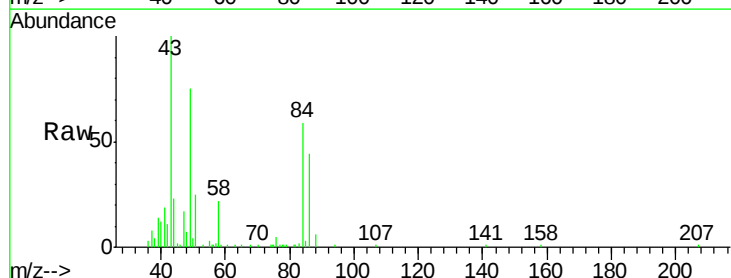
RT: 2.24 min Scan# 163

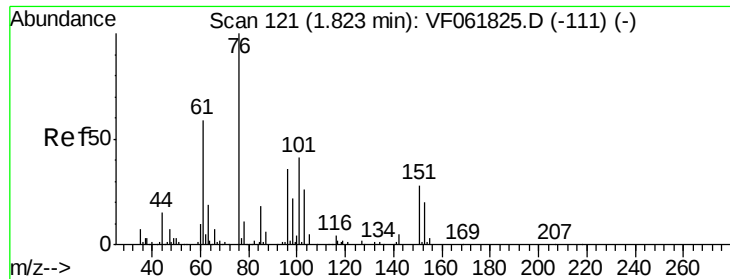
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	43	Resp:	47148
Ion	Ratio	Lower	Upper
43	100		
58	21.8	22.9	34.3#





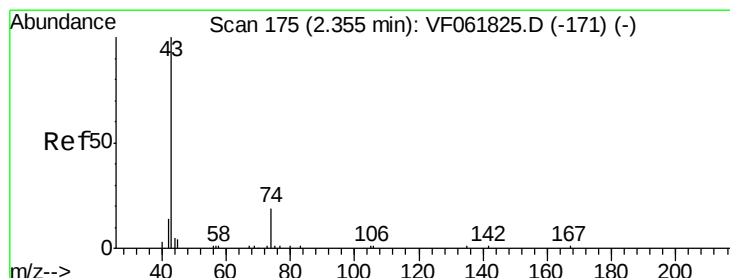
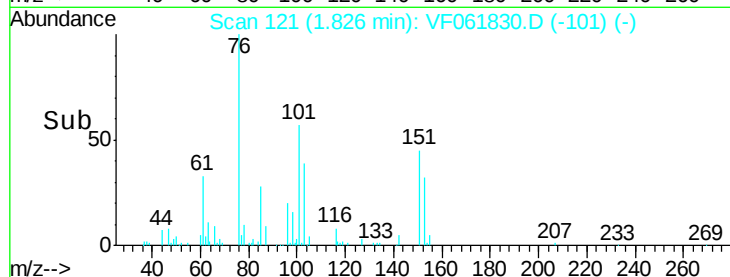
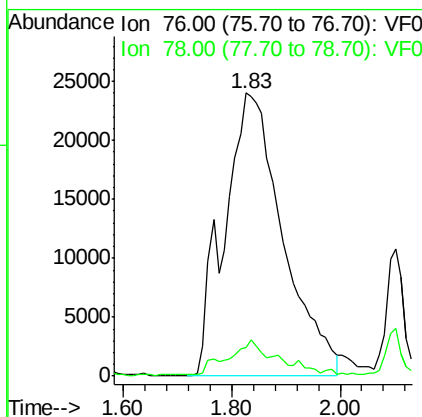
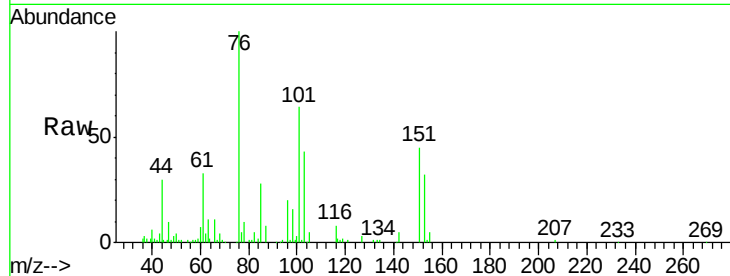
#17
Carbon Disulfide
Concen: 21.740 ug/l m
RT: 1.83 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion: 76 Resp: 179724
Ion Ratio Lower Upper
76 100
78 10.2 7.9 11.9

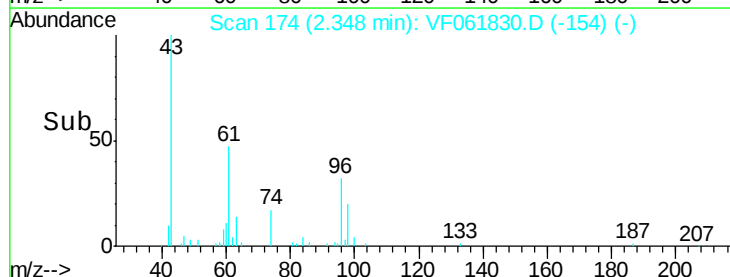
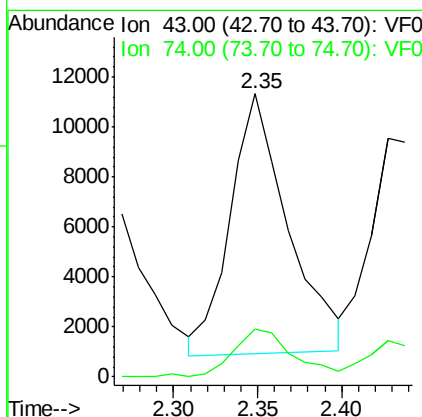
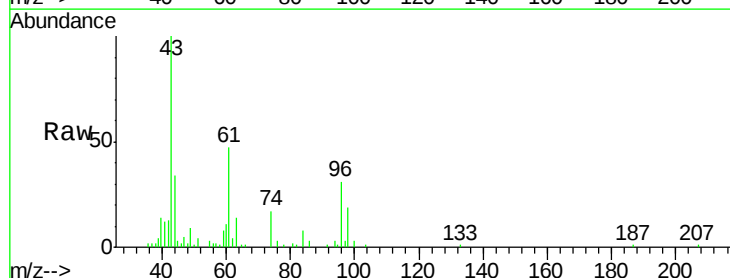
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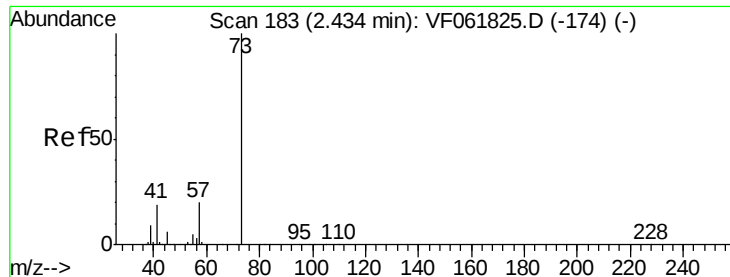
MMDadoda
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#18
Methyl Acetate
Concen: 22.717 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion: 43 Resp: 24713
Ion Ratio Lower Upper
43 100
74 16.9 14.6 21.8





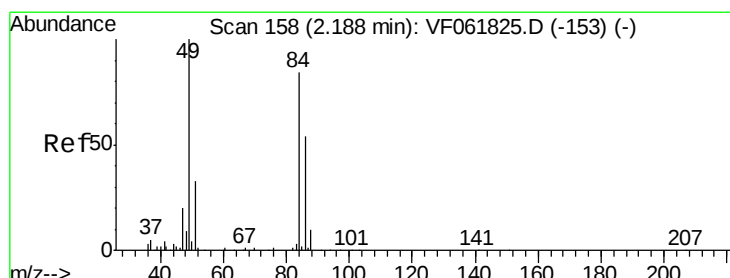
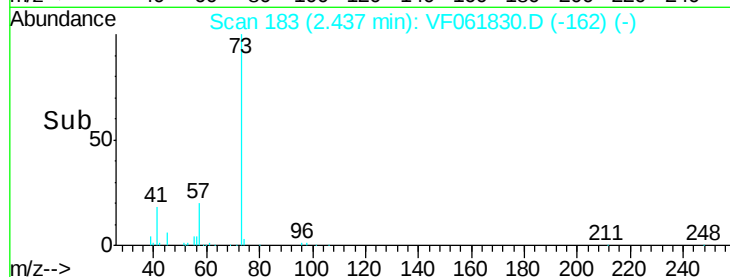
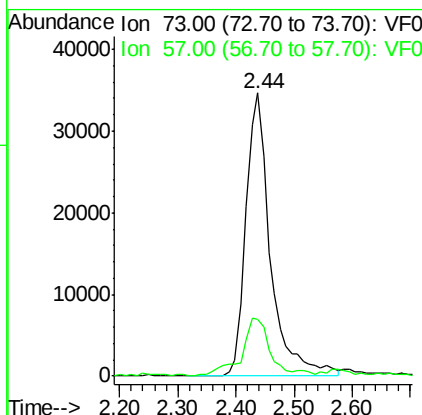
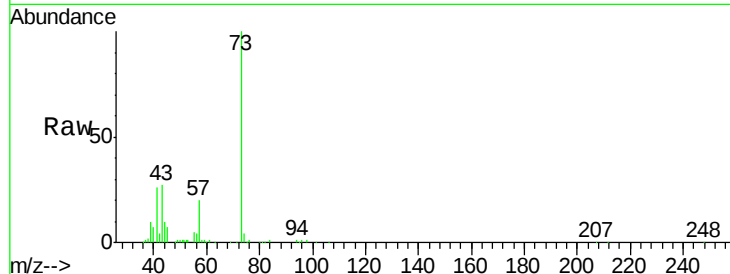
#19
Methyl tert-butyl Ether
Concen: 22.789 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion: 73 Resp: 102431
Ion Ratio Lower Upper
73 100
57 20.3 15.8 23.8

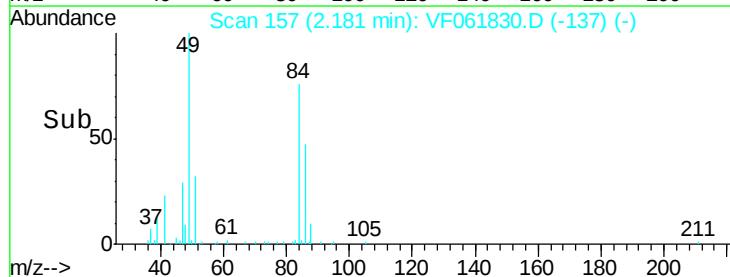
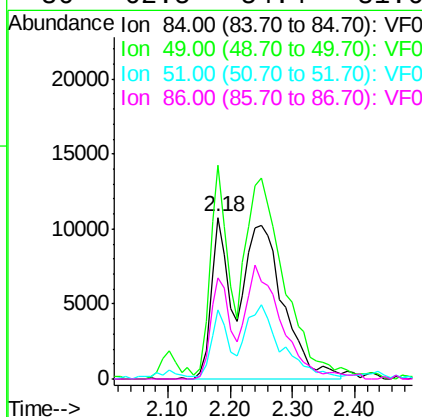
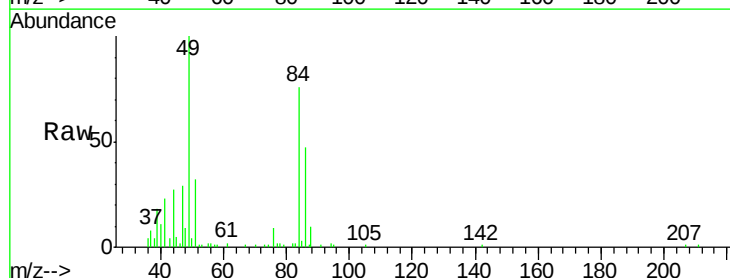
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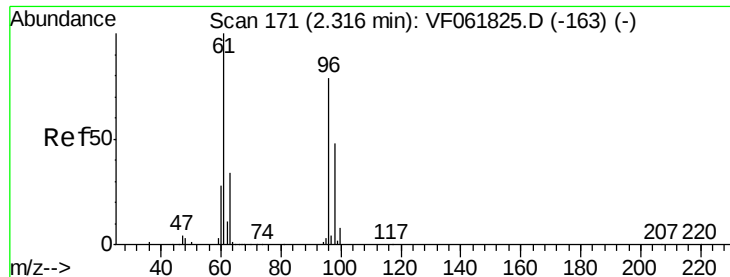
MMDadoda
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#20
Methylene Chloride
Concen: 22.489 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion: 84 Resp: 65602
Ion Ratio Lower Upper
84 100
49 131.9 101.8 152.8
51 42.7 31.1 46.7
86 62.5 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 20.306 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

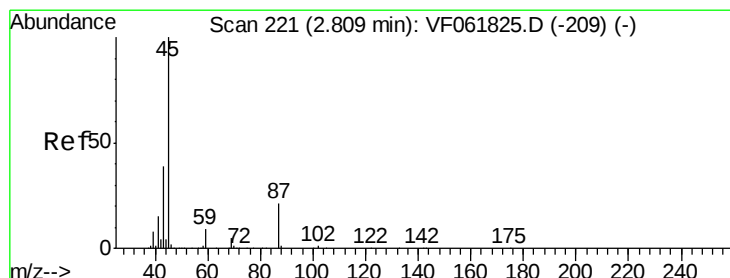
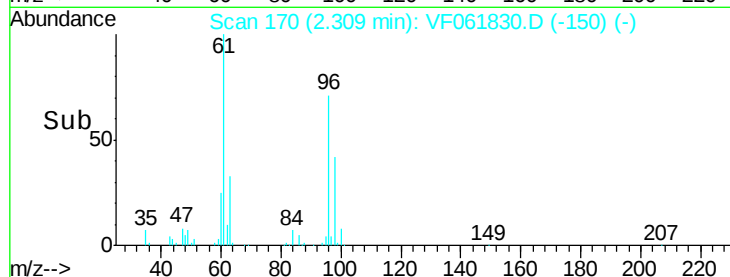
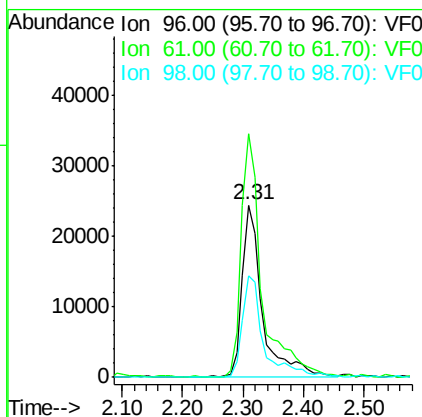
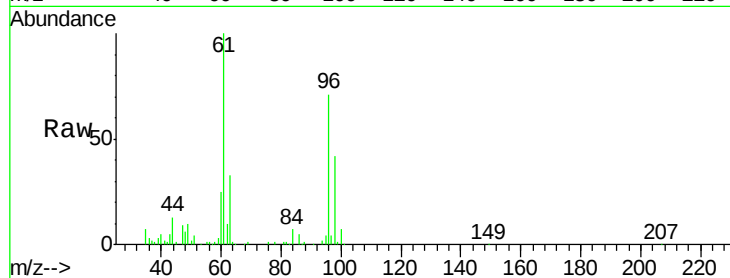
ClientSampleId :

VF0304SBS01

Tot Ion:	96	Resp:	58056
Ion	Ratio	Lower	Upper
96	100		
61	141.2	108.2	162.4
98	58.6	52.2	78.2

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#22

Diisopropyl ether

Concen: 22.465 ug/l

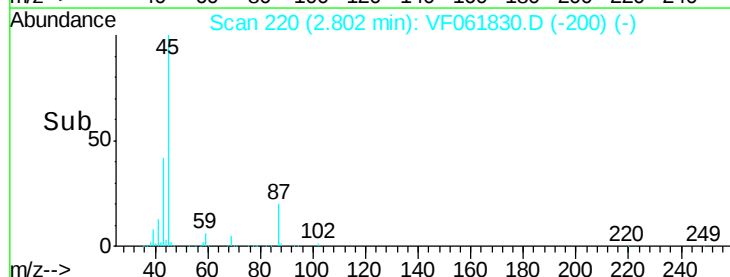
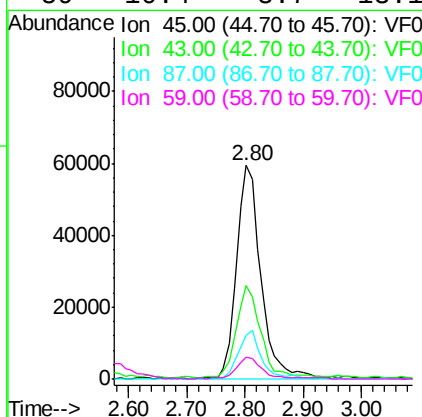
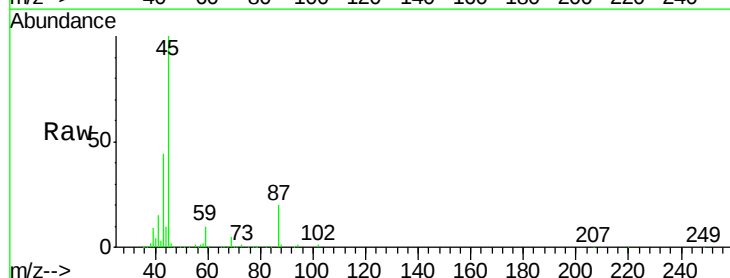
RT: 2.80 min Scan# 220

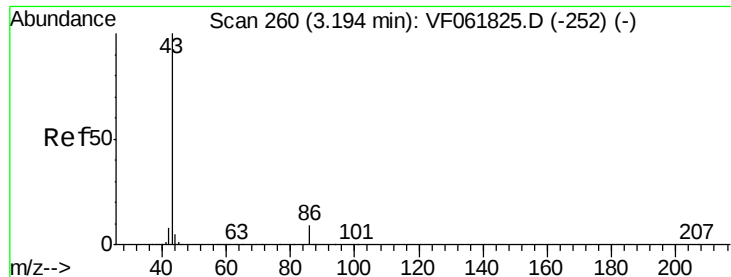
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	45	Resp:	174034
Ion	Ratio	Lower	Upper
45	100		
43	43.6	31.4	47.2
87	20.3	16.3	24.5
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 104.843 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 43 Resp: 396707

Ion Ratio Lower Upper

43 100

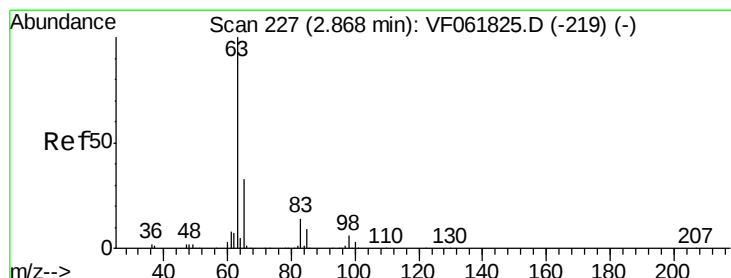
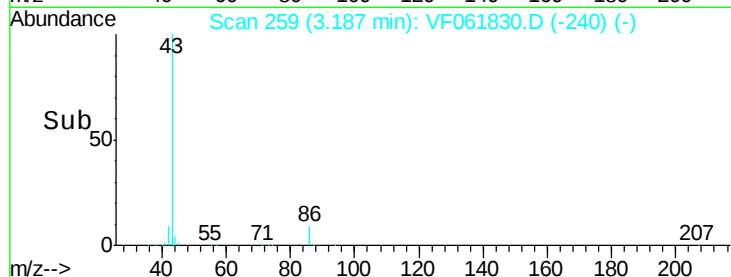
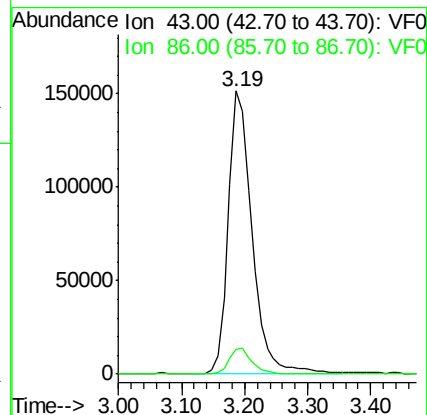
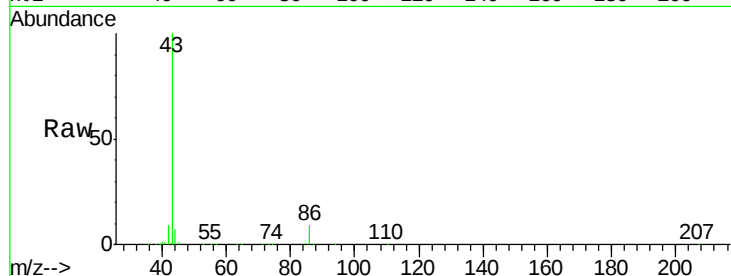
86 8.8 7.5 11.3

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#24

1,1-Dichloroethane

Concen: 20.442 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

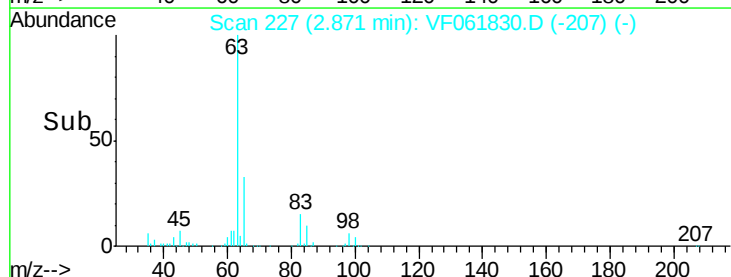
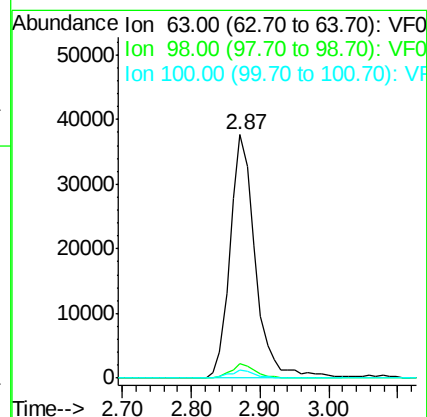
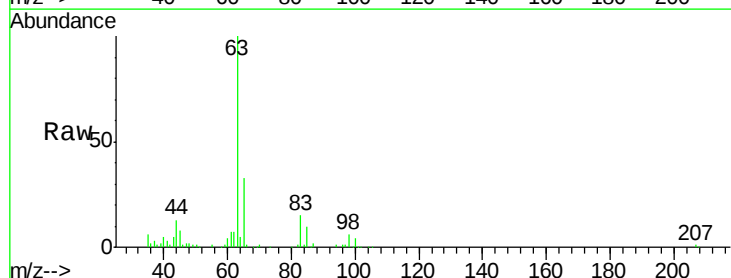
Tgt Ion: 63 Resp: 95838

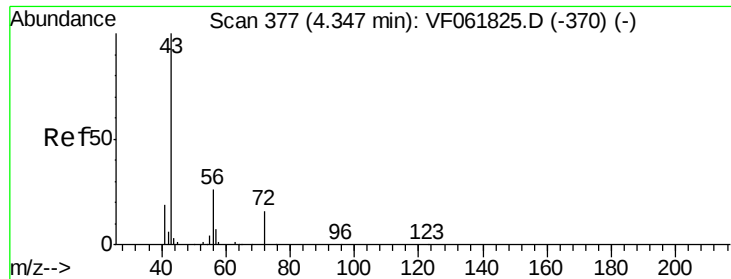
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 97.828 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 43 Resp: 103190

Ion Ratio Lower Upper

43 100

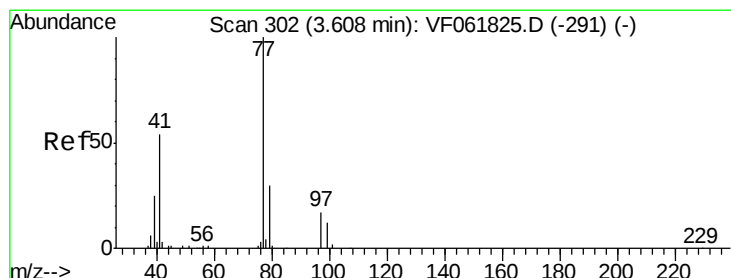
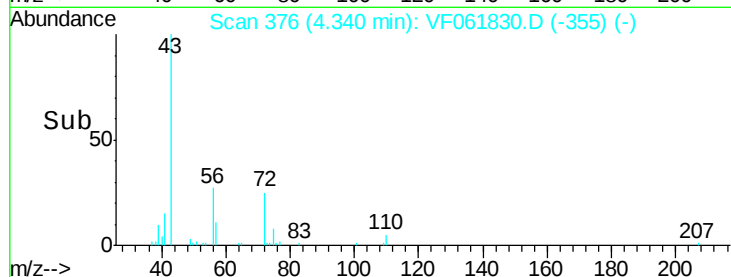
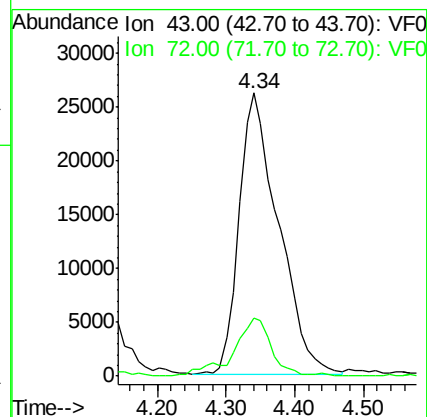
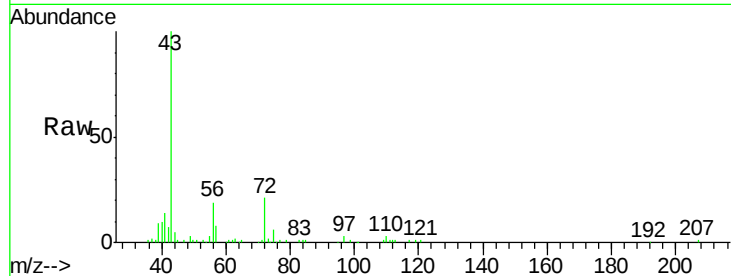
72 20.7 17.1 25.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.229 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061830.D

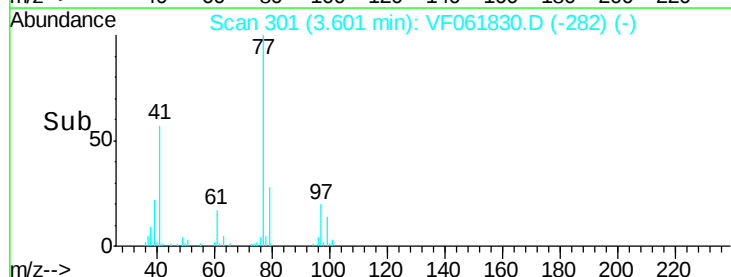
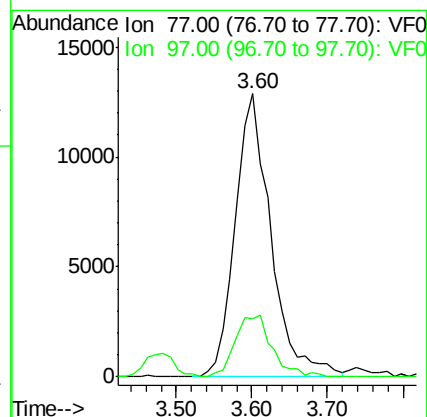
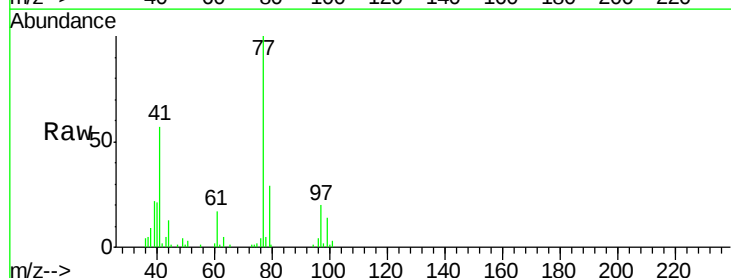
Acq: 4 Mar 2019 20:50

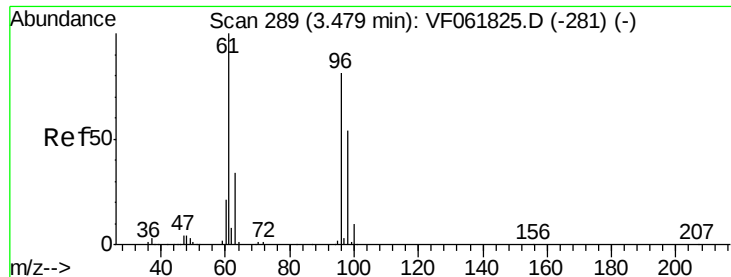
Tgt Ion: 77 Resp: 42157

Ion Ratio Lower Upper

77 100

97 20.4 11.7 35.0





#27

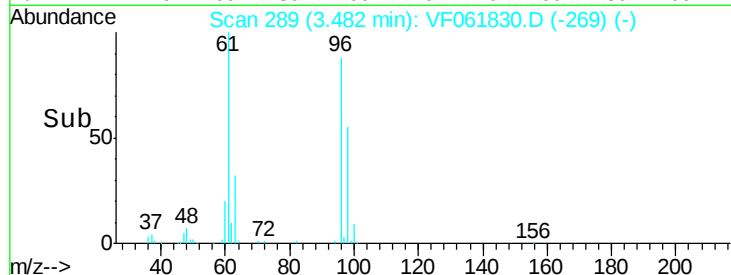
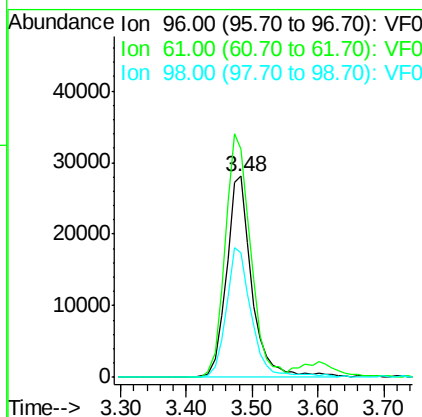
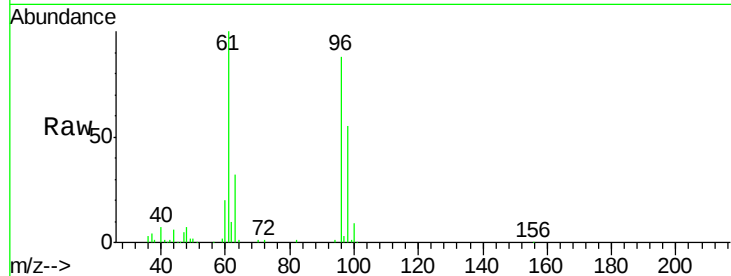
cis-1,2-Dichloroethene
 Concen: 20.195 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.8	0.0	241.6
98	62.1	0.0	130.2

Manual Integrations
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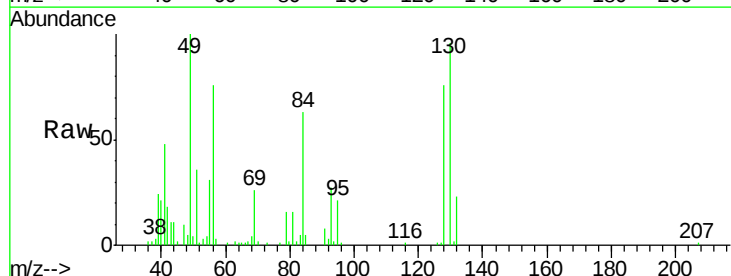
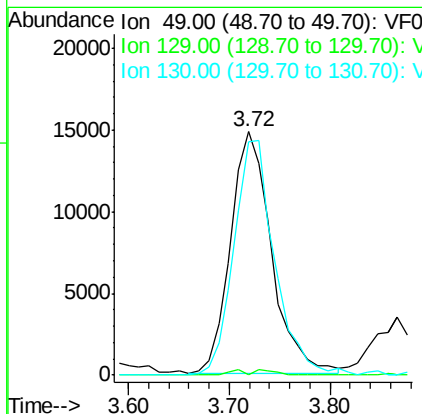
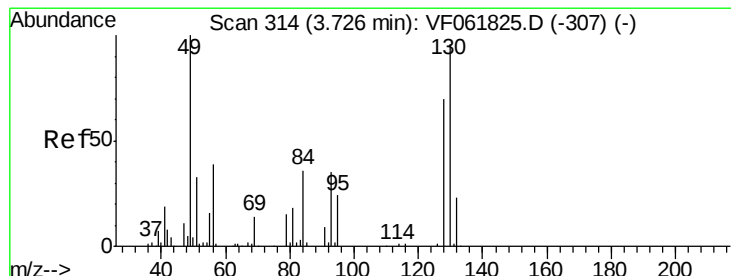
MMDadoda
 3/5/2019 10:48:11 AM

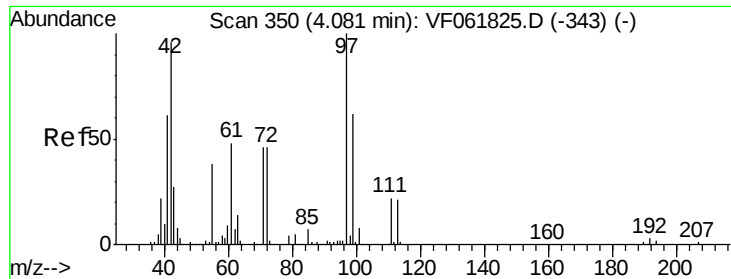


#28

Bromochloromethane
 Concen: 18.489 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	95.8	77.7	116.5





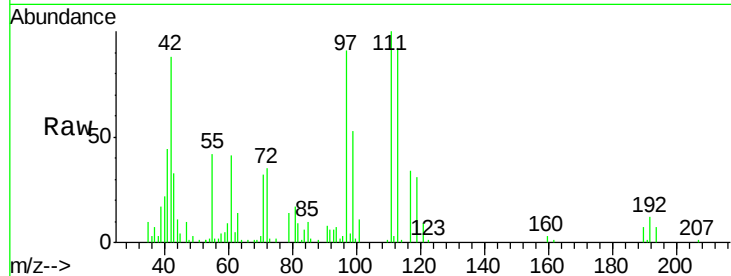
#29
Tetrahydrofuran
Concen: 100.937 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

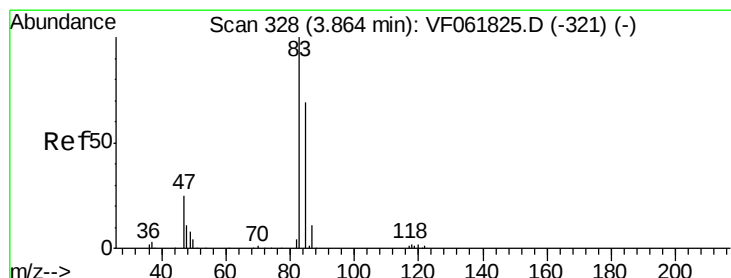
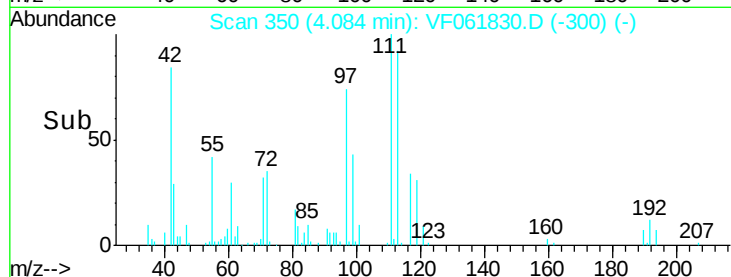
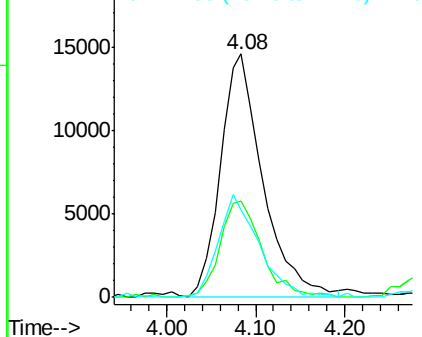
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	35.2	52.8
71	40.8	32.9	49.3

Manual Integrations
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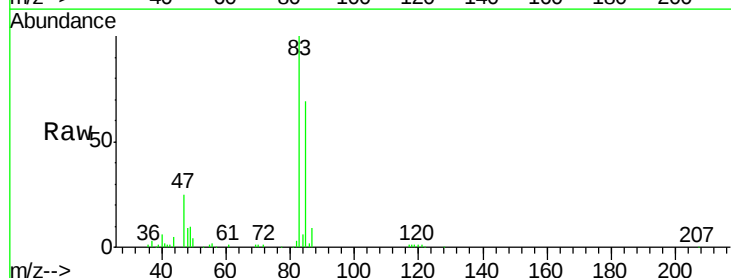


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

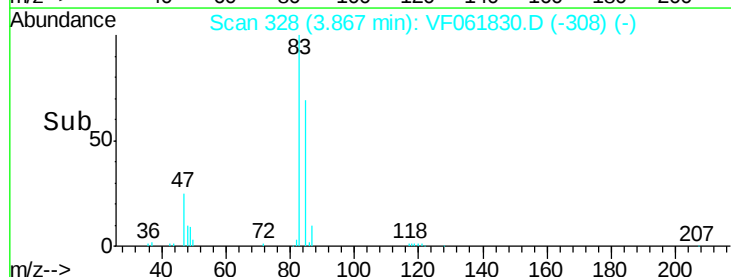
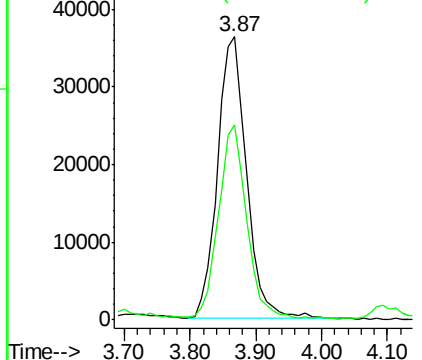


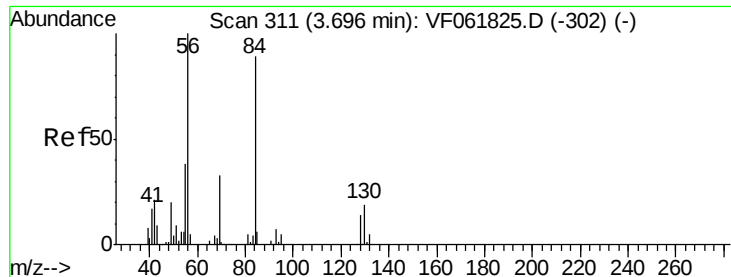
#30
Chloroform
Concen: 20.826 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.1	76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





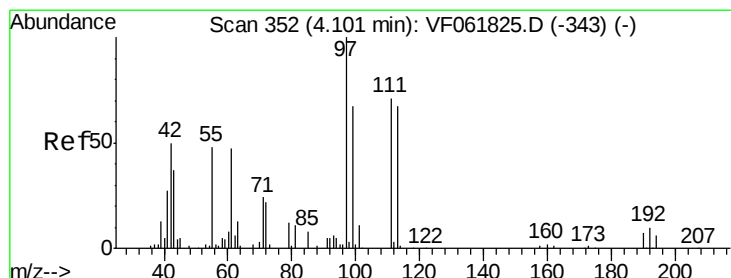
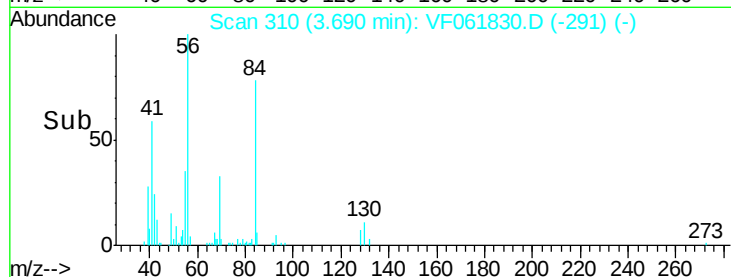
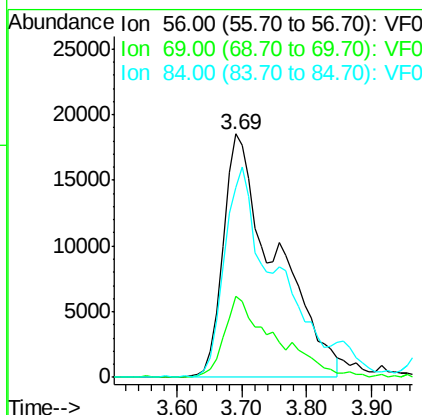
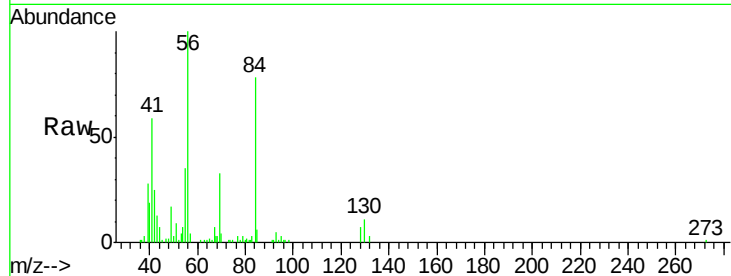
#31
Cyclohexane
Concen: 20.612 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	23.8	35.8
84	77.9	68.6	103.0

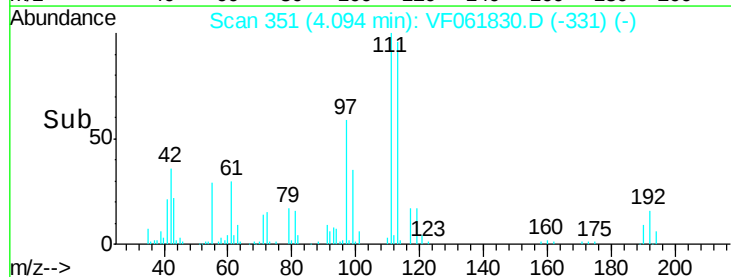
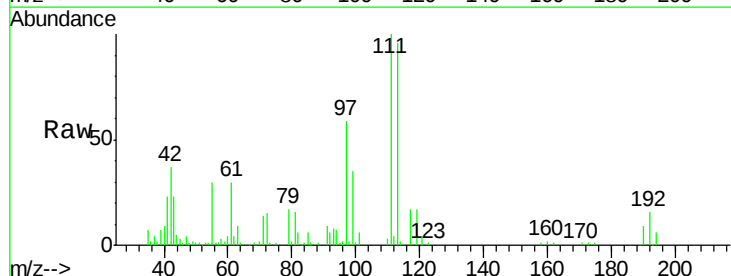
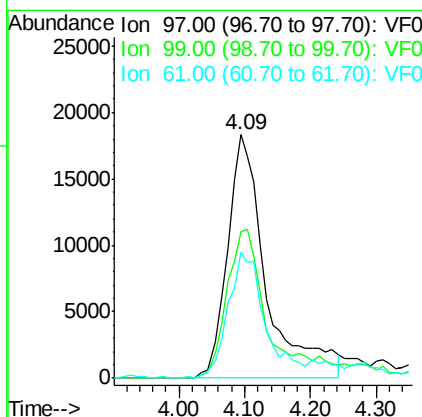
Manual Integrations
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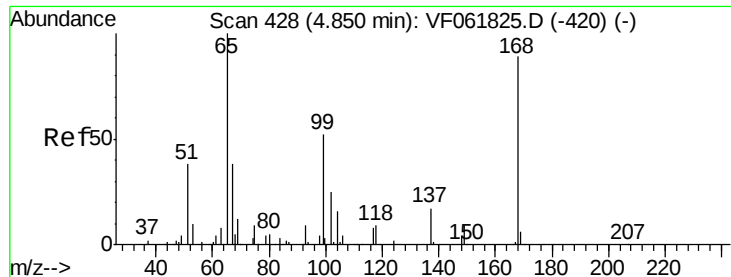
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.769 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.2	52.2	78.2
61	51.8	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 56.128 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 65 Resp: 126328

Ion Ratio Lower Upper

65 100

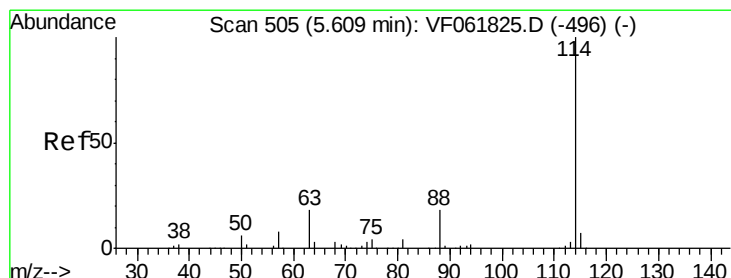
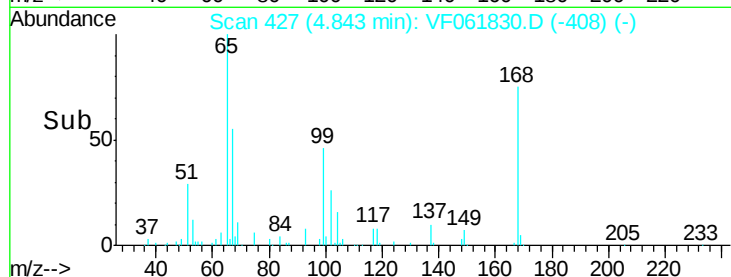
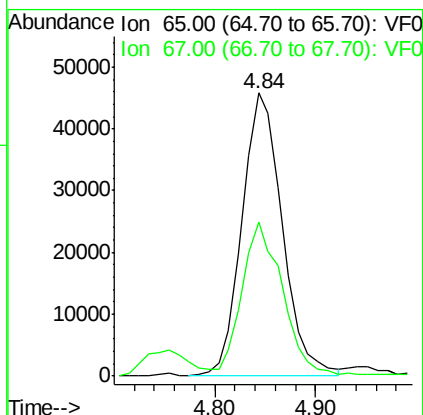
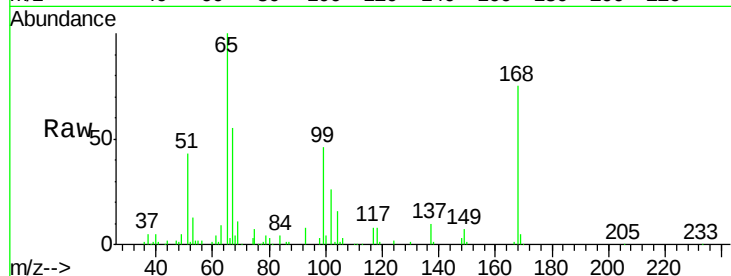
67 54.6 0.0 104.0

Manual Integrations

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3/5/2019 10:48:11 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

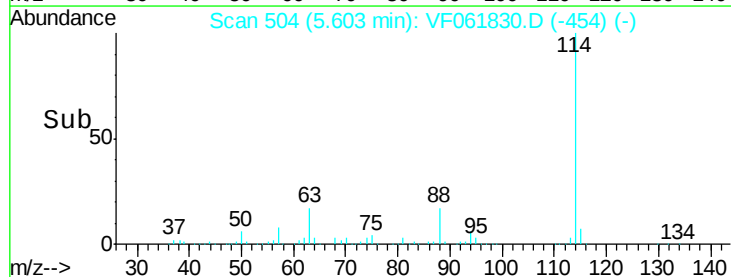
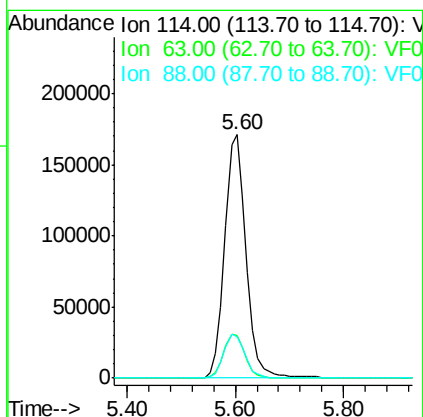
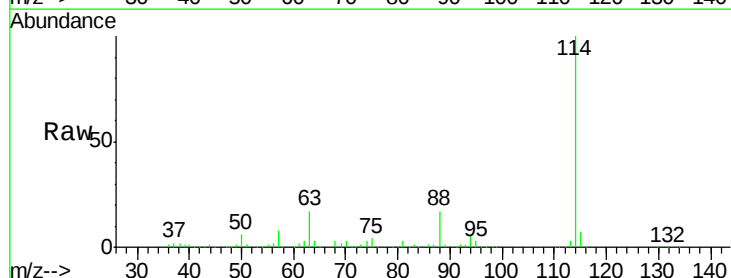
Tgt Ion: 114 Resp: 468657

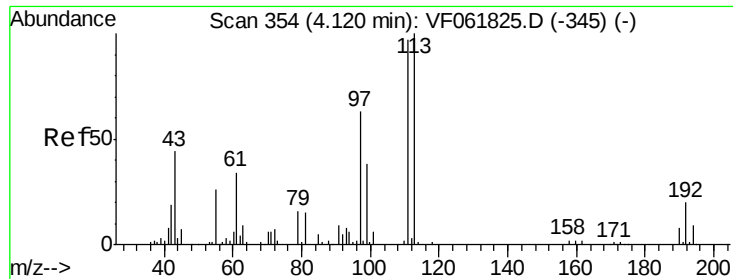
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 17.0 0.0 34.4





#35

Dibromofluoromethane

Concen: 52.105 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

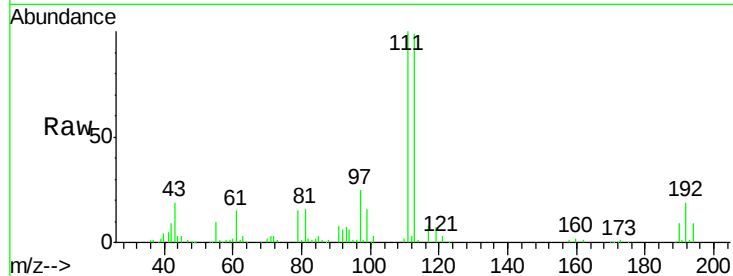
ClientSampleId :

VF0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181339		
111	101.0	78.8	118.2	
192	18.9	13.4	20.0	

Manual Integrations
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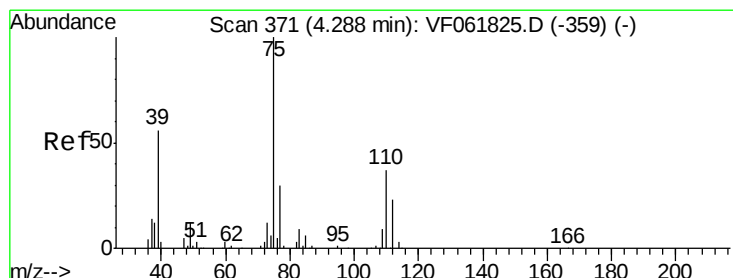
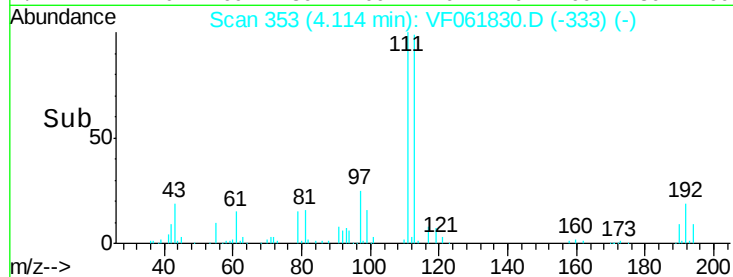
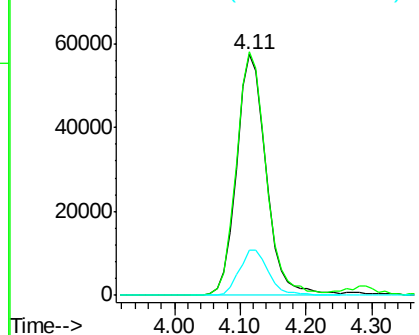


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 19.621 ug/l

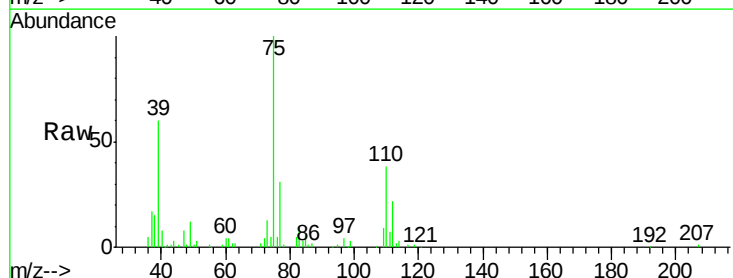
RT: 4.28 min Scan# 370

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91092		
110	38.5	20.5	61.6	
77	30.7	27.0	40.4	

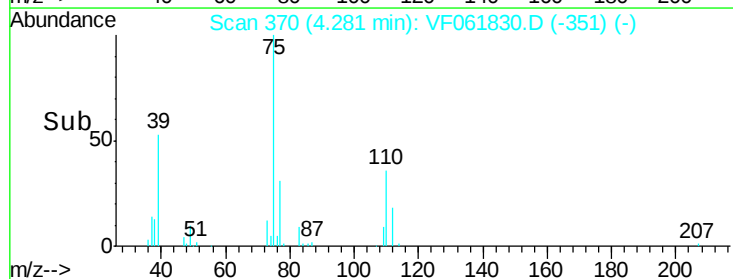
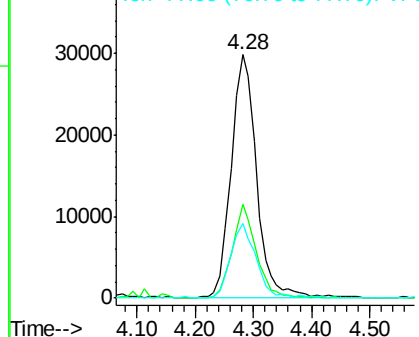


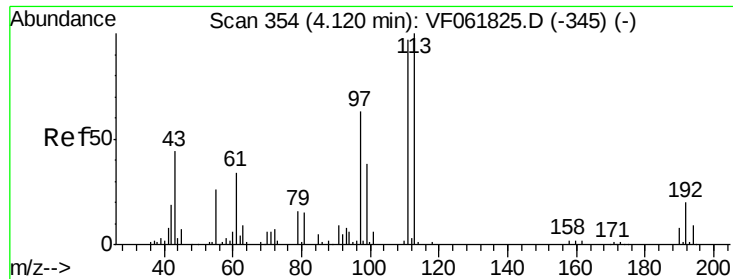
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





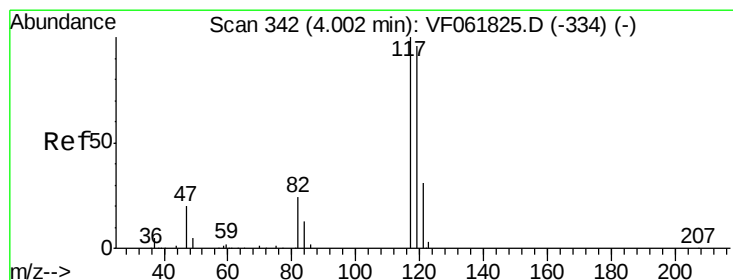
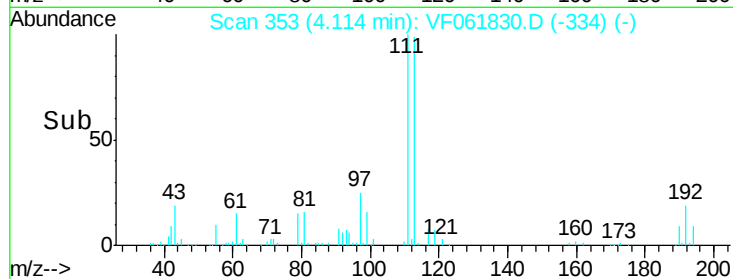
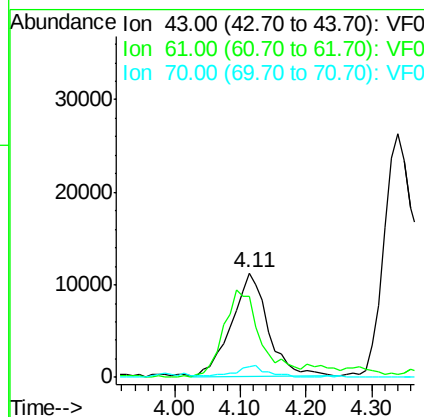
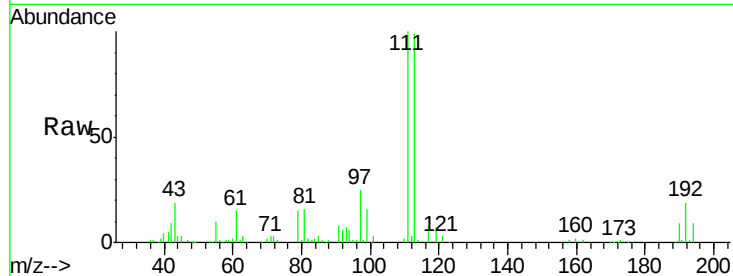
#37
Ethyl Acetate
Concen: 20.117 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
43381	100	77.8	10.6			
		45.7	8.5			
		68.5	12.7			

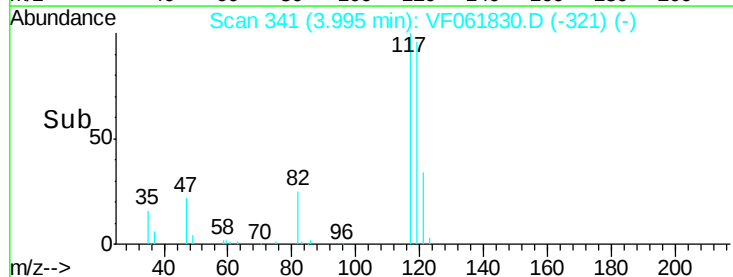
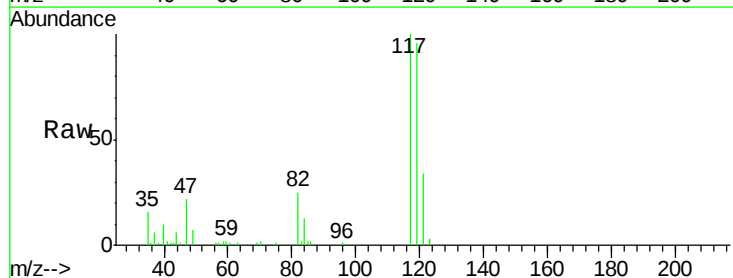
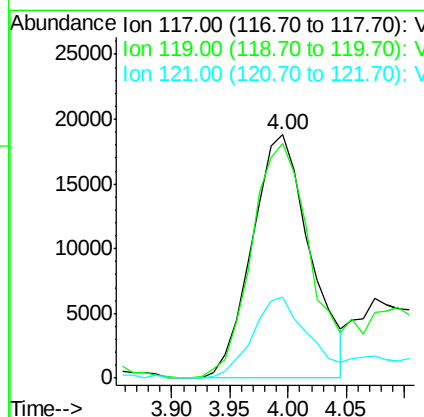
Manual Integrations
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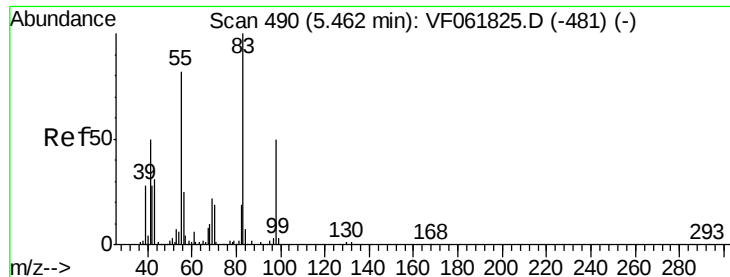
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#38
Carbon Tetrachloride
Concen: 20.241 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	117	119	121	Ratio	Lower	Upper
64888	100	96.4	33.5			
		75.6	25.2			
		113.4	37.8			





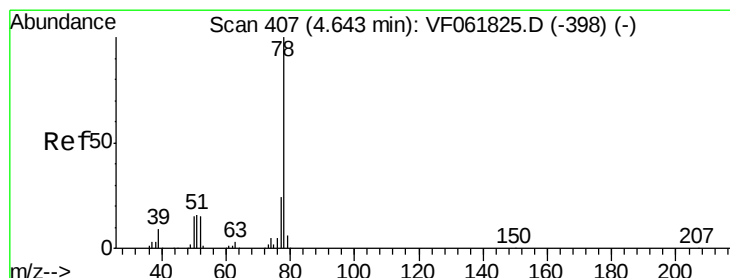
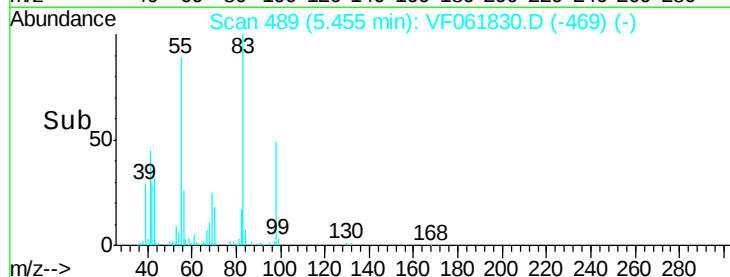
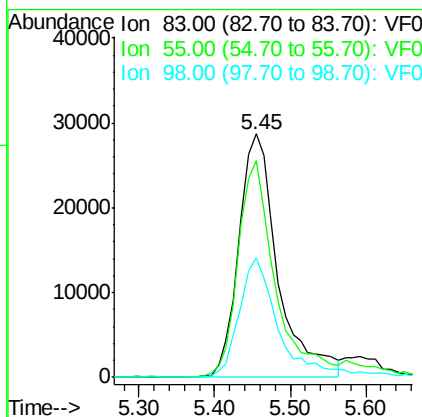
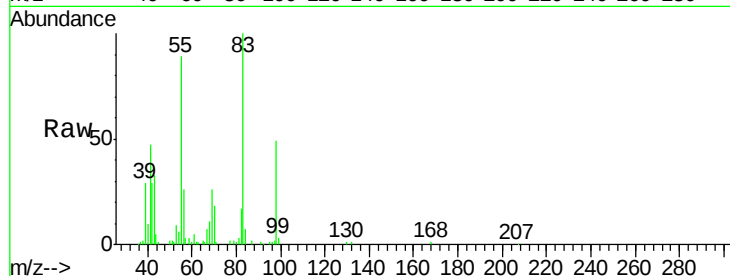
#39
Methvlcvclohexane
Concen: 18.817 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	103315		
55	89.2		66.6	99.8
98	49.2		40.4	60.6

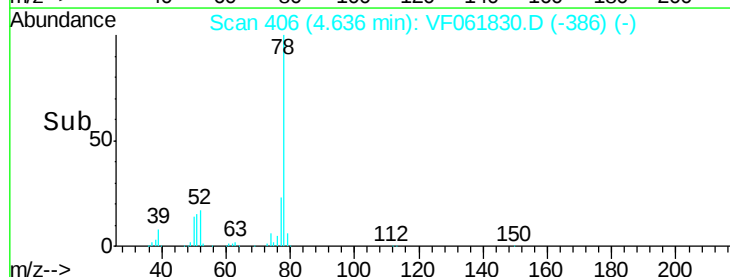
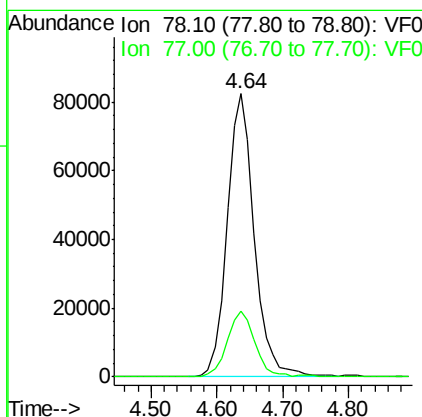
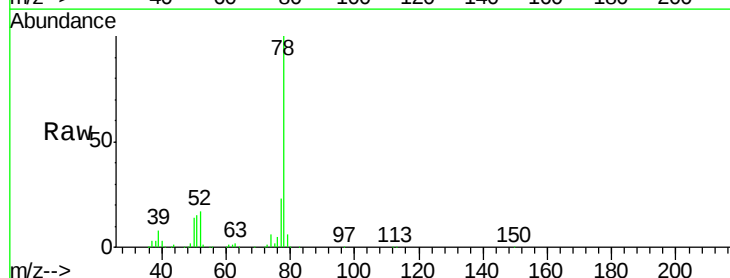
Manual Integrations
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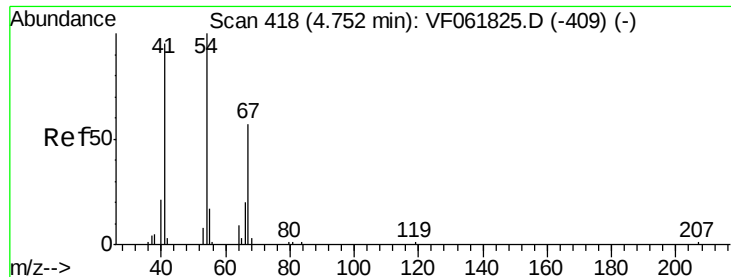
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#40
Benzene
Concen: 19.539 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	237270		
77	23.1		19.0	28.6





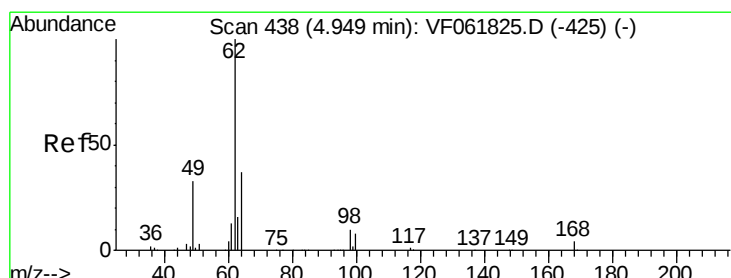
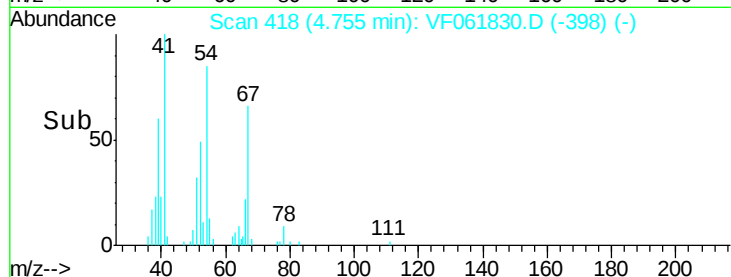
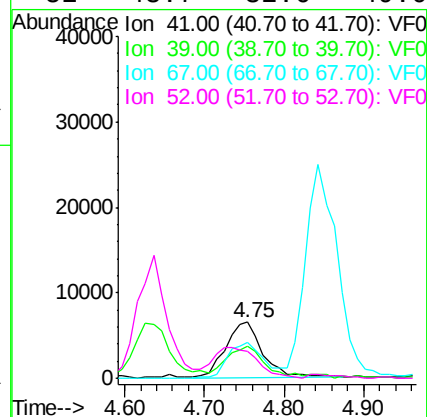
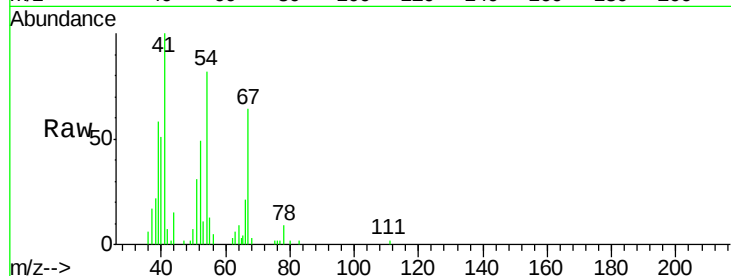
#41
Methacrylonitrile
Concen: 19.270 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.6	45.3	67.9
67	63.9	49.3	73.9
52	48.7	32.6	49.0

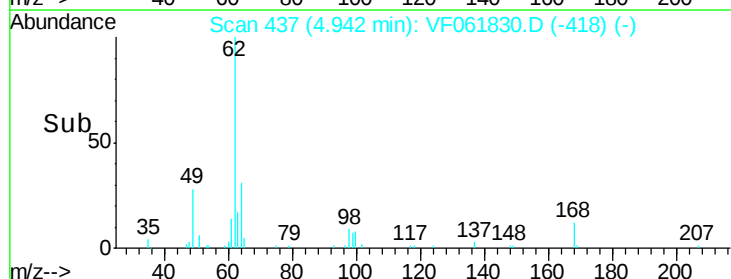
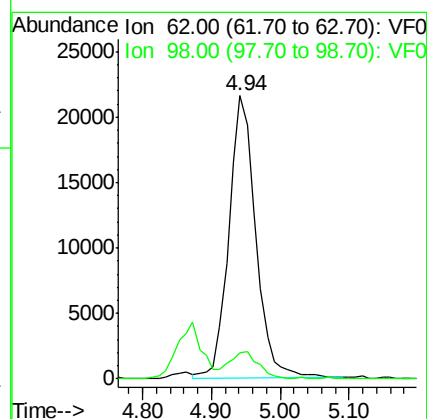
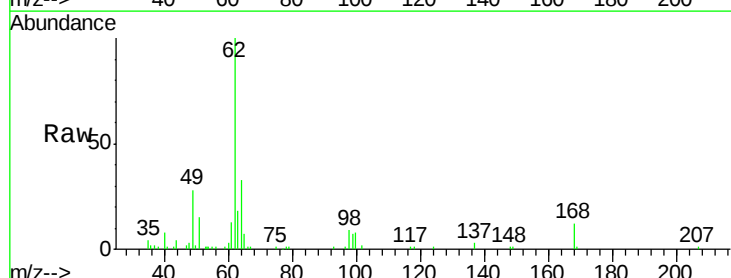
Manual Integrations
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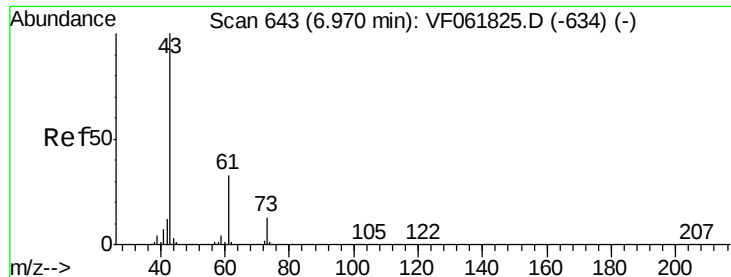
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#42
1,2-Dichloroethane
Concen: 20.045 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	26.0





#43

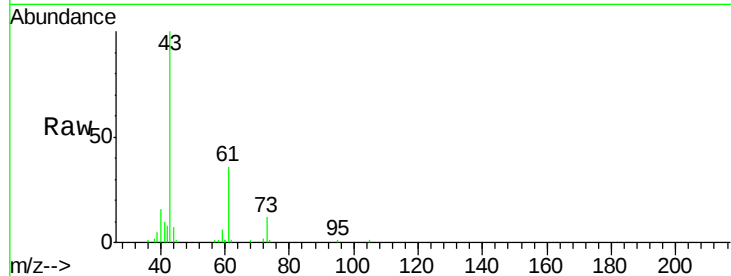
Isopropyl Acetate
 Concen: 18.433 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

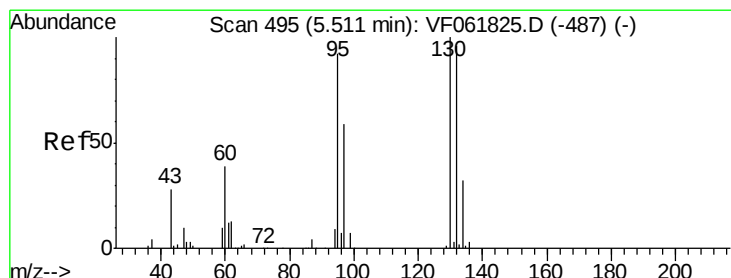
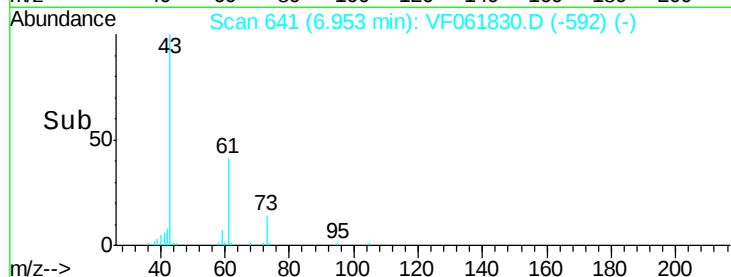
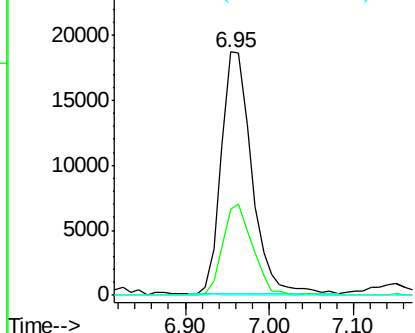
Tot Ion	Ratio	Lower	Upper
43	100		
61	35.6	25.8	38.6
87	0.0	0.4	0.6

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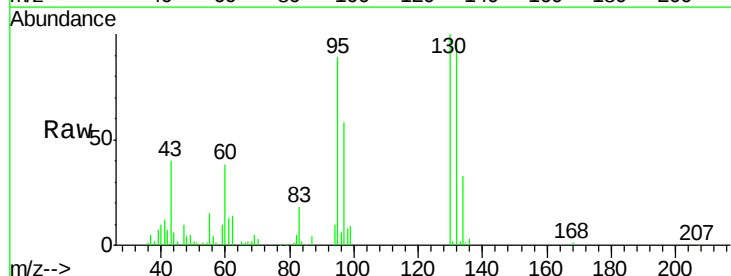
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



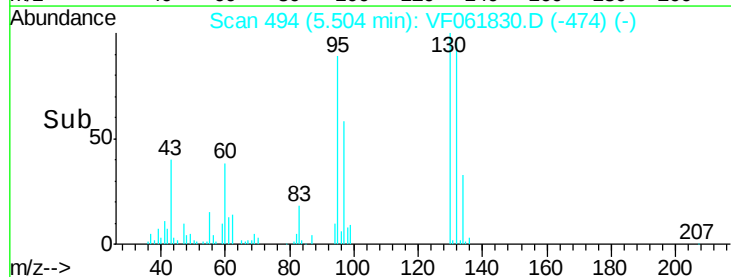
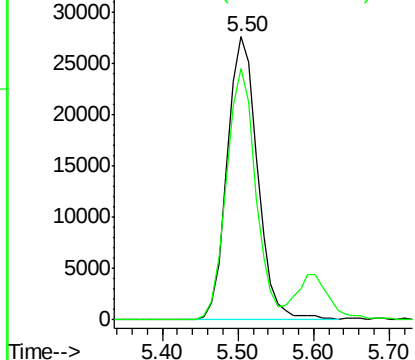
#44

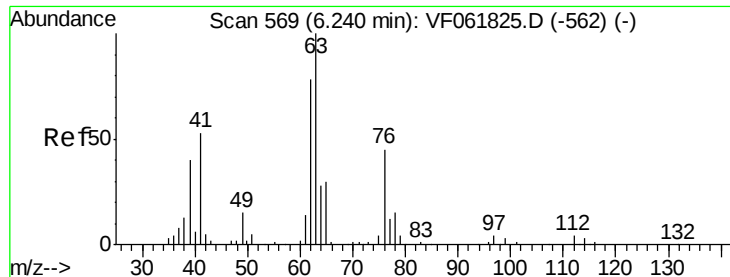
Trichloroethene
 Concen: 19.538 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	179.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.857 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 63 Resp: 55351

Ion Ratio Lower Upper

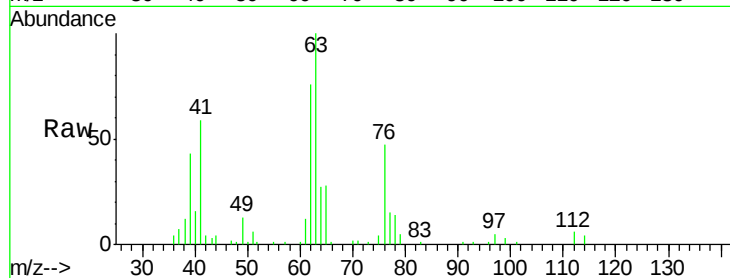
63 100

65 28.4 24.9 37.3

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3/5/2019 10:48:11 AM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

25000

20000

15000

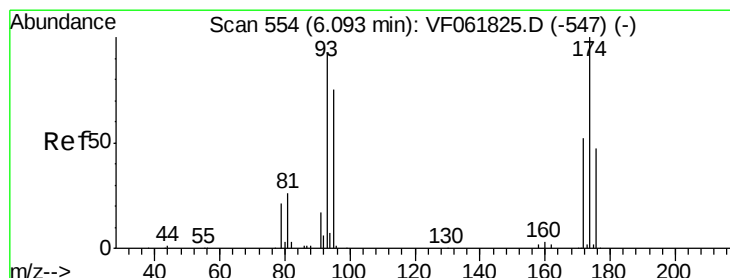
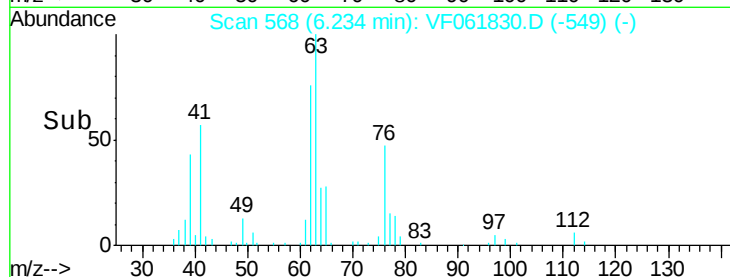
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 19.419 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

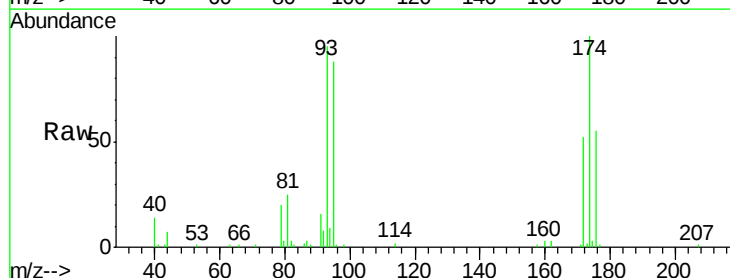
Tgt Ion: 93 Resp: 35096

Ion Ratio Lower Upper

93 100

95 93.5 69.0 103.6

174 108.8 99.3 148.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

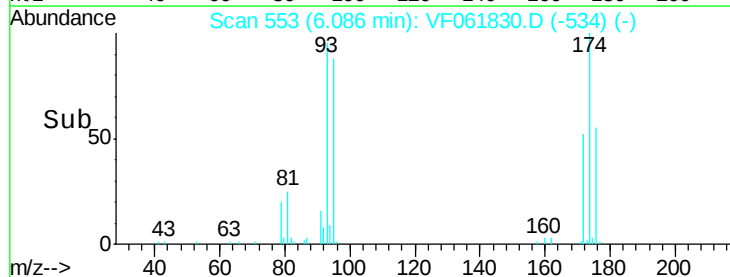
10000

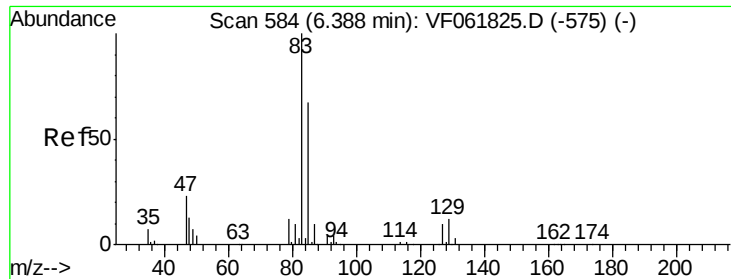
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 20.091 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

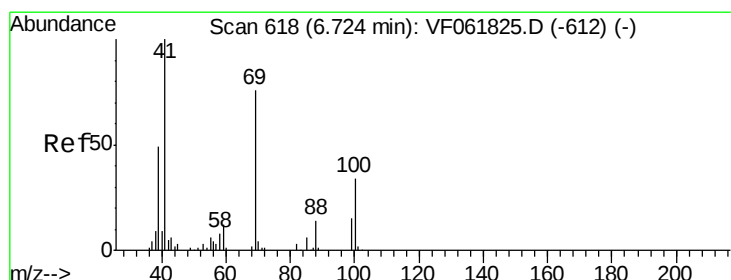
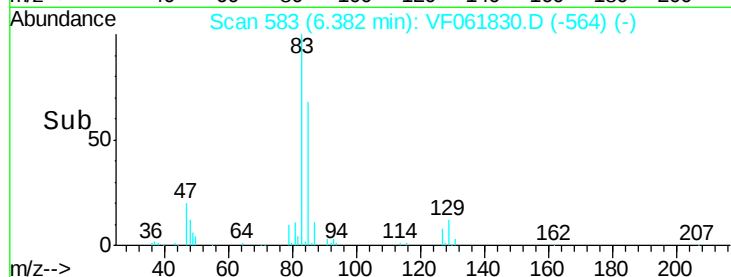
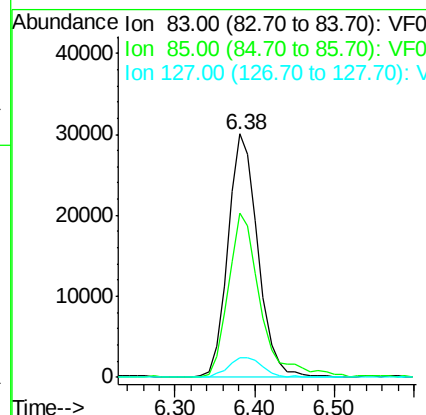
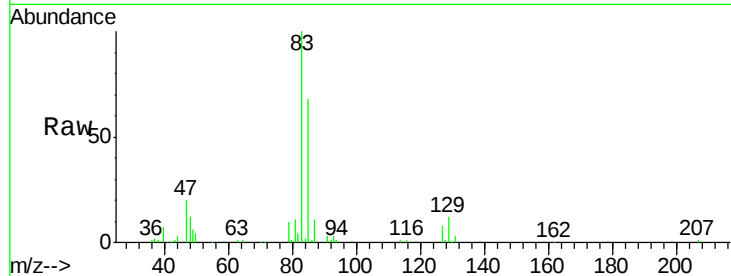
ClientSampleId :

VF0304SBS01

Tot Ion:	83	Resp:	79516
Ion	Ratio	Lower	Upper
83	100		
85	67.6	53.4	80.2
127	8.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.973 ug/l

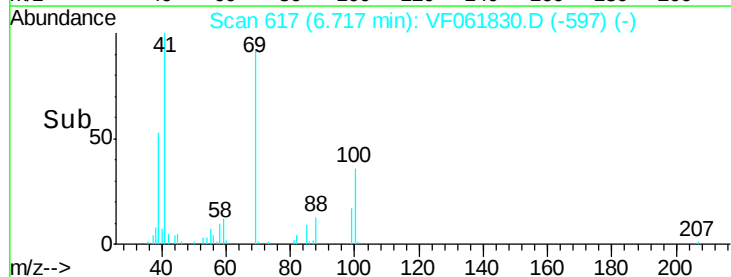
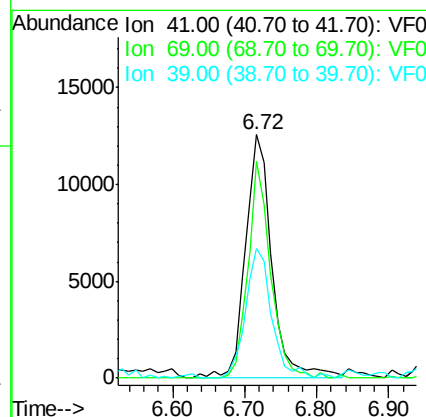
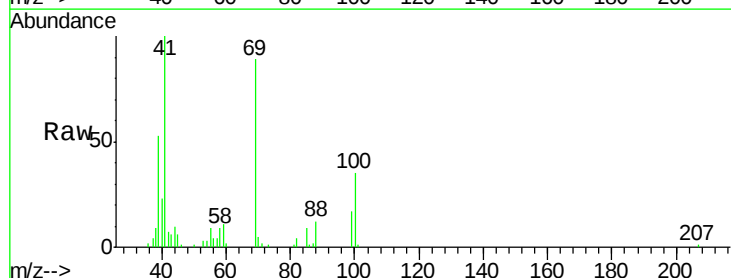
RT: 6.72 min Scan# 617

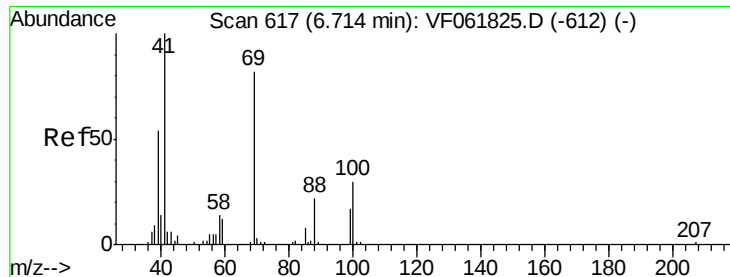
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	41	Resp:	32216
Ion	Ratio	Lower	Upper
41	100		
69	89.2	60.4	90.6
39	53.2	43.7	65.5





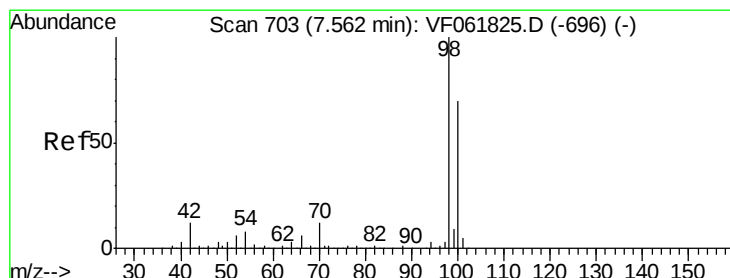
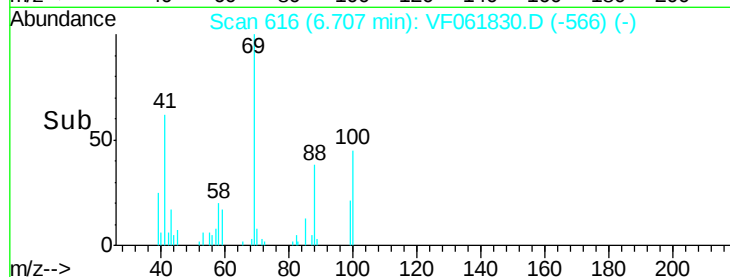
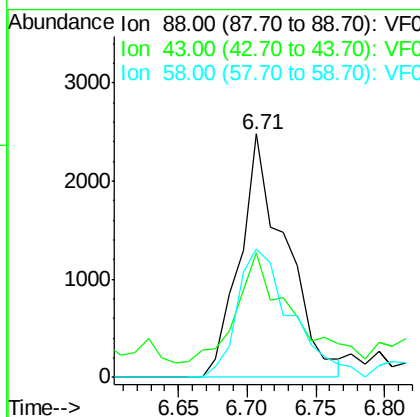
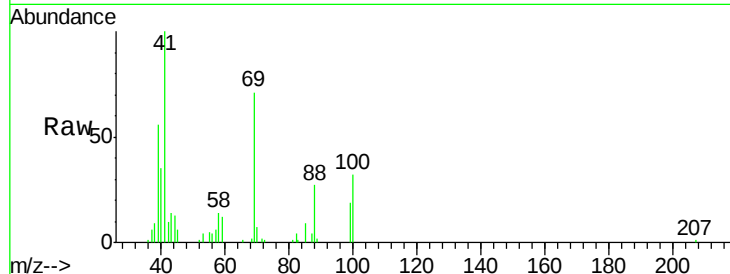
#49
1,4-Dioxane
Concen: 398.761 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.1	32.3	48.5#
58	52.8	59.4	89.2#

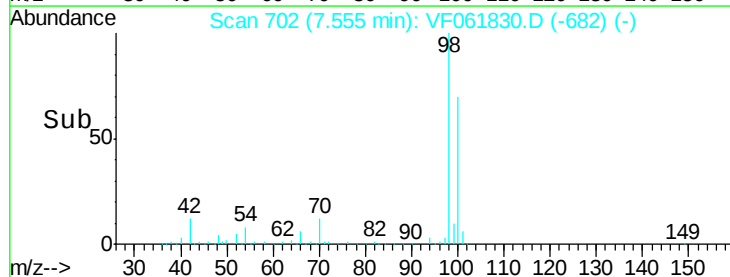
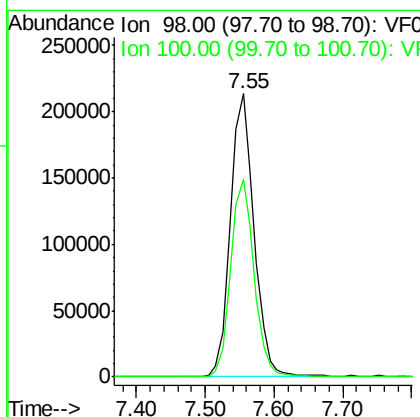
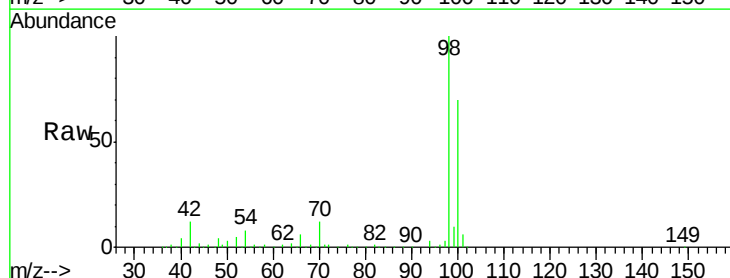
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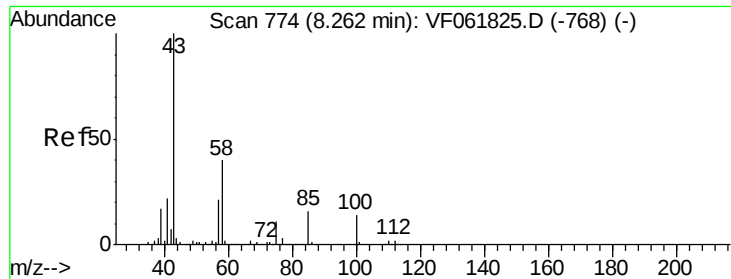
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3/5/2019 10:48:11 AM



#50
Toluene-d8
Concen: 50.767 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 99.049 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 43 Resp: 180649

Ion Ratio Lower Upper

43 100

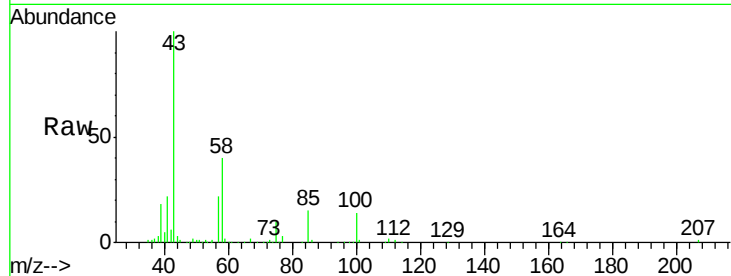
58 40.5 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

80000

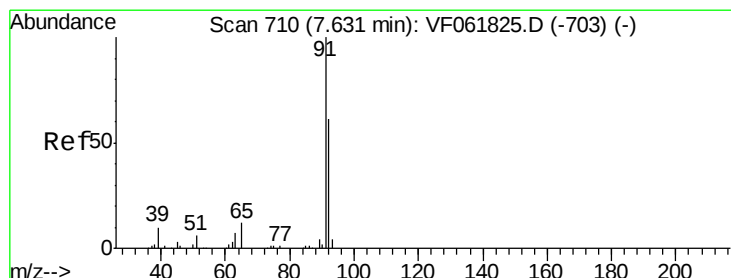
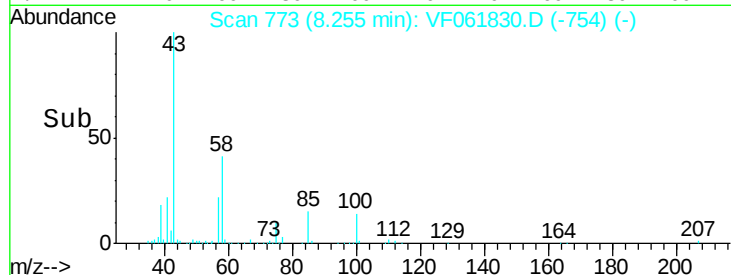
60000

40000

20000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 19.687 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061830.D

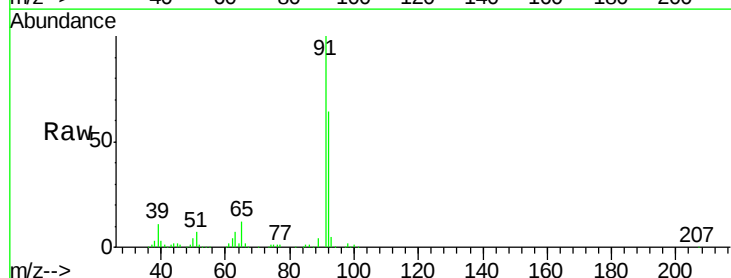
Acq: 4 Mar 2019 20:50

Tgt Ion: 92 Resp: 144993

Ion Ratio Lower Upper

92 100

91 156.9 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

100000

80000

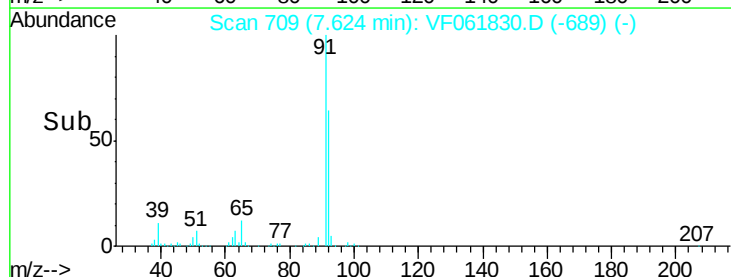
60000

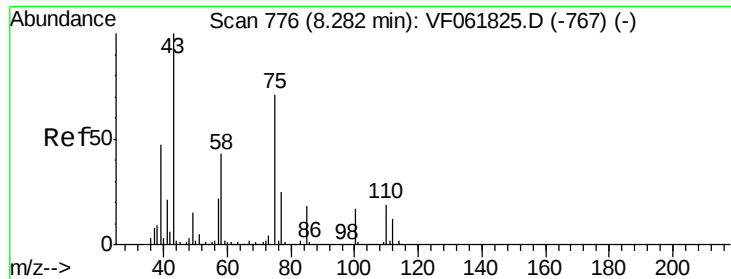
40000

20000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 20.881 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 75 Resp: 68779

Ion Ratio Lower Upper

75 100

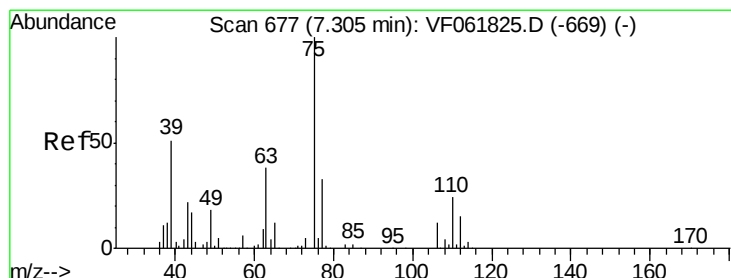
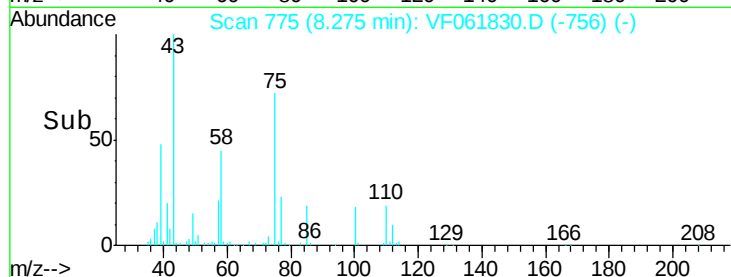
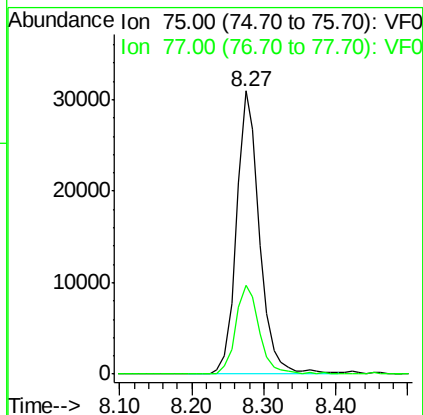
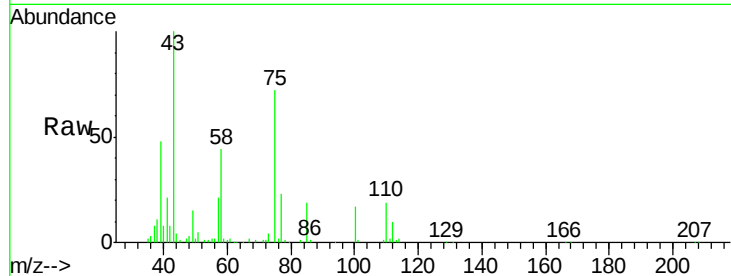
77 31.2 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 19.871 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

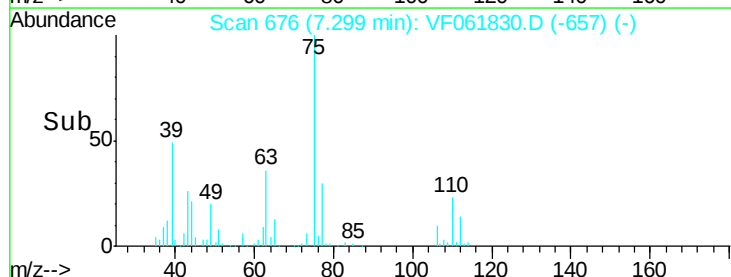
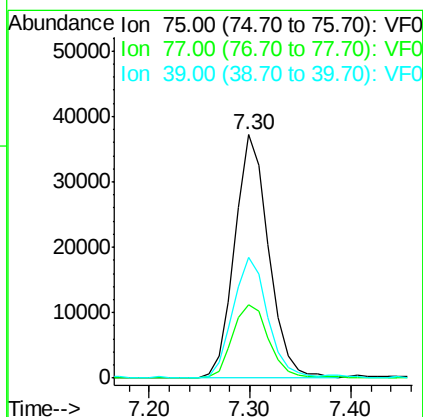
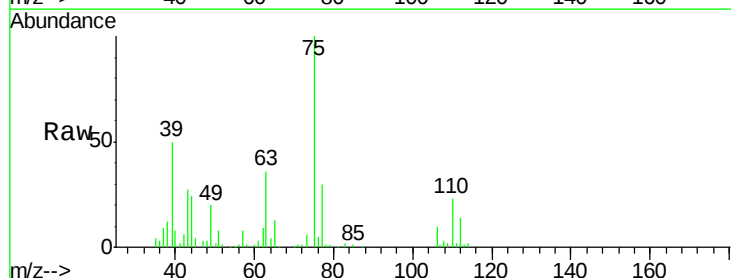
Tgt Ion: 75 Resp: 87182

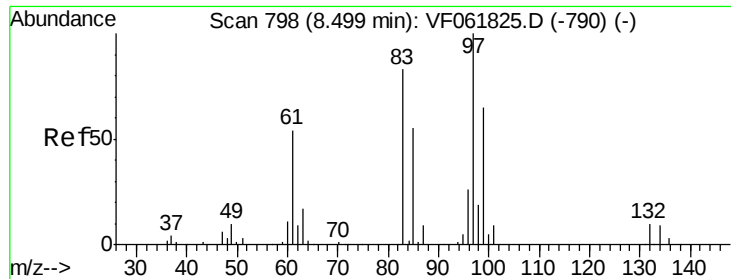
Ion Ratio Lower Upper

75 100

77 29.9 26.4 39.6

39 49.5 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.734 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

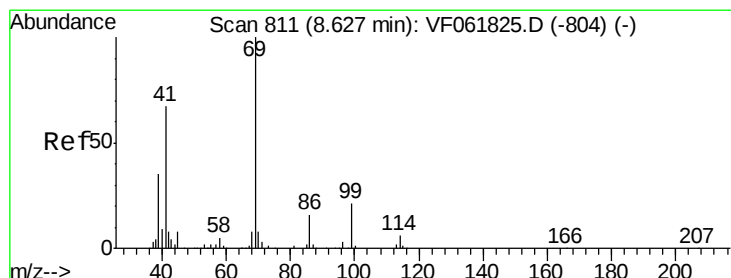
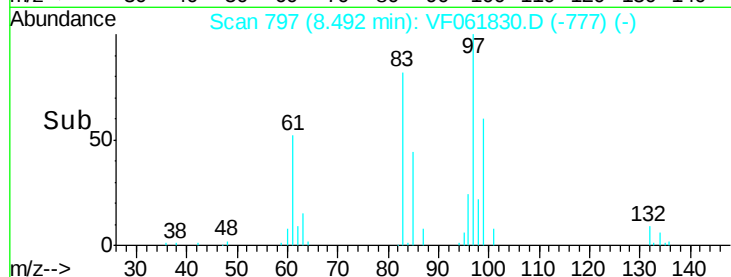
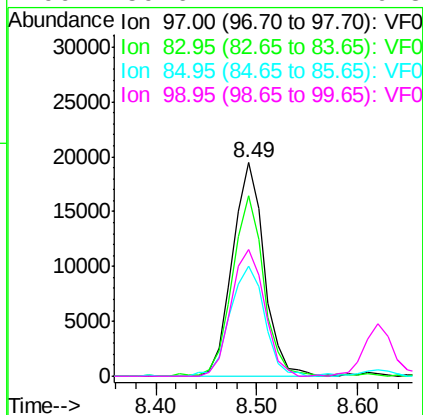
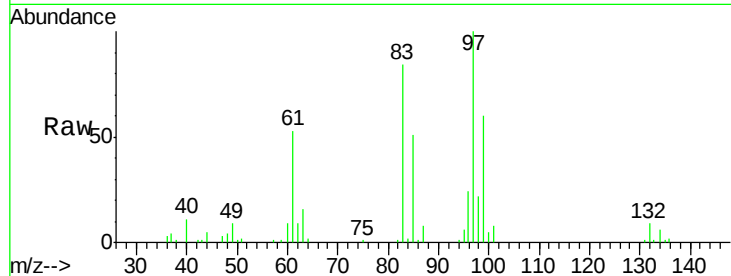
ClientSampleId :

VF0304SBS01

Tot Ion:	97	Resp:	42701
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.2	103.8
85	51.3	43.0	64.4
99	59.6	47.2	70.8

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#56

Ethyl methacrylate

Concen: 18.316 ug/l

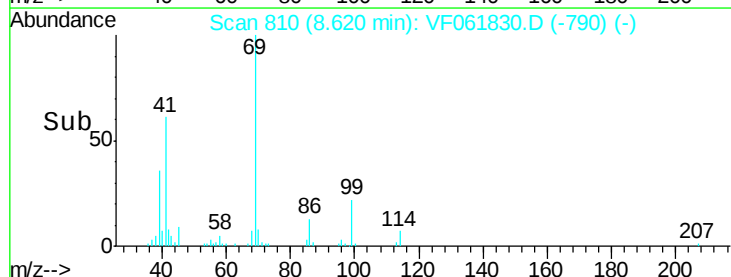
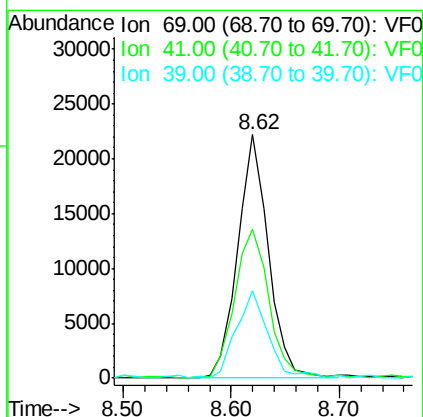
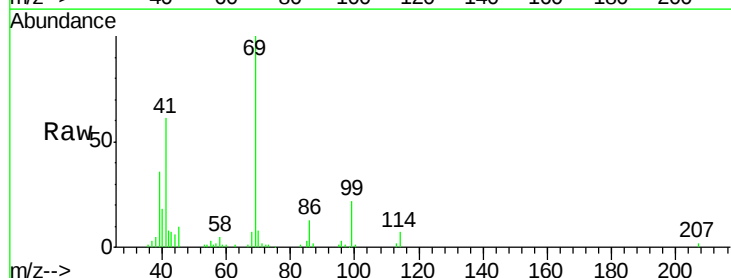
RT: 8.62 min Scan# 810

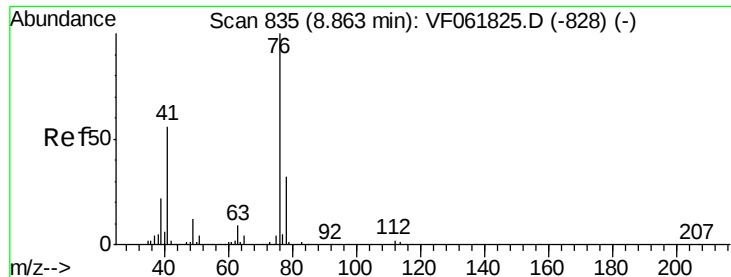
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	69	Resp:	44125
Ion	Ratio	Lower	Upper
69	100		
41	61.4	52.9	79.3
39	35.8	24.5	36.7





#57

1,3-Dichloropropane

Concen: 18.337 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 76 Resp: 66228

Ion Ratio Lower Upper

76 100

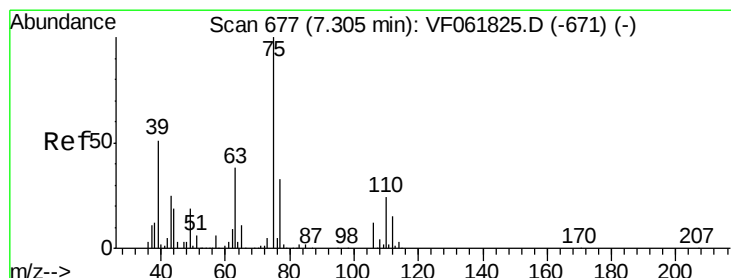
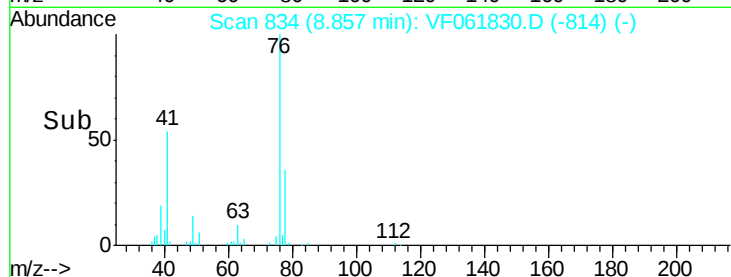
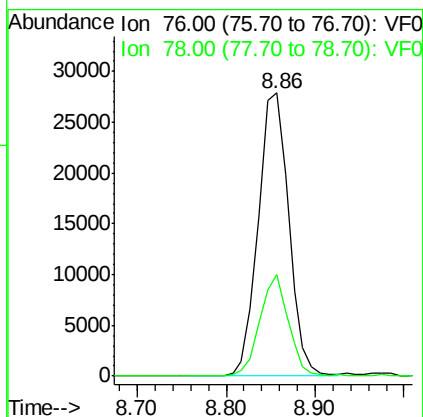
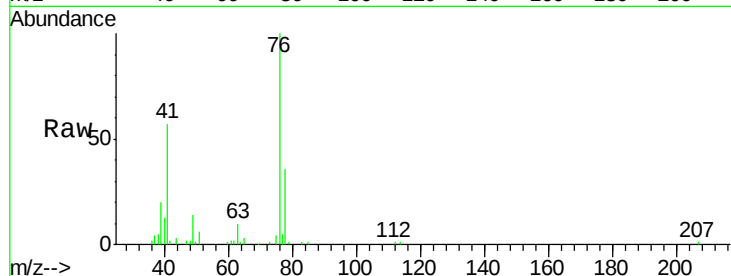
78 36.1 27.8 41.6

Manual Integrations

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3/5/2019 10:48:11 AM



#58

2-Chloroethyl Vinyl ether

Concen: 84.823 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061830.D

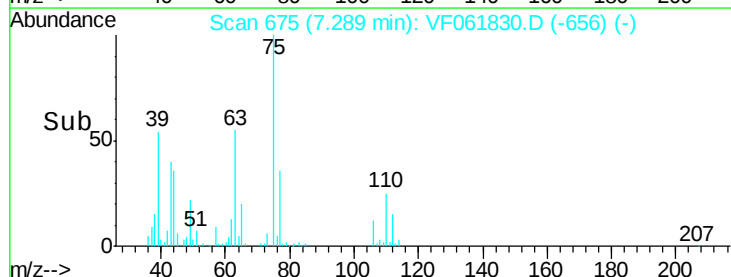
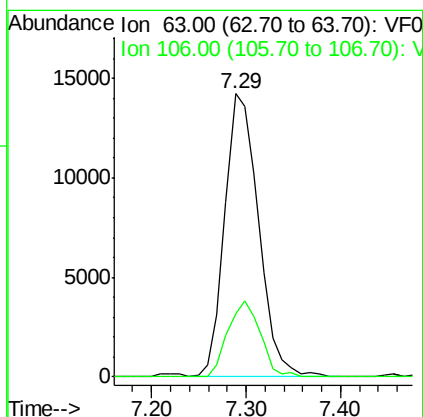
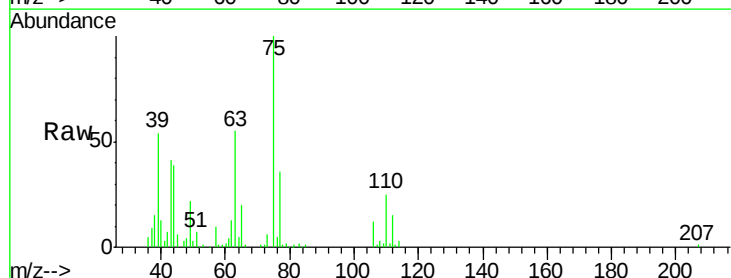
Acq: 4 Mar 2019 20:50

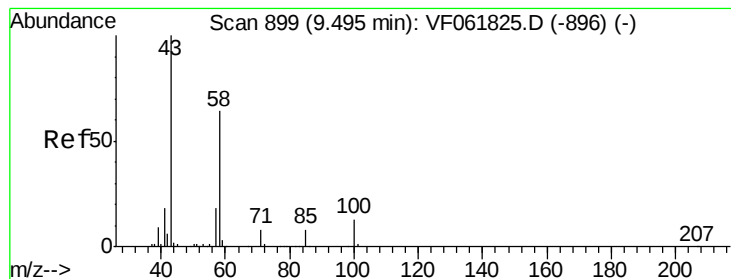
Tgt Ion: 63 Resp: 35258

Ion Ratio Lower Upper

63 100

106 22.2 24.6 36.8#





#59

2-Hexanone

Concen: 96.000 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 43 Resp: 122732

Ion Ratio Lower Upper

43 100

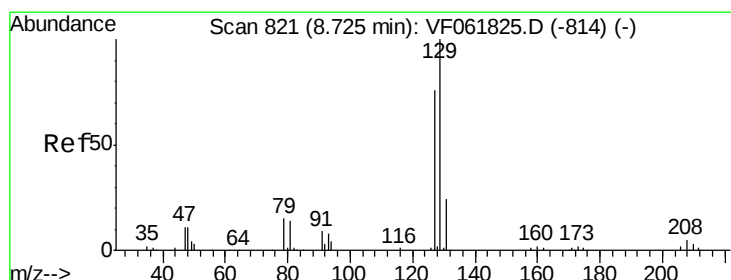
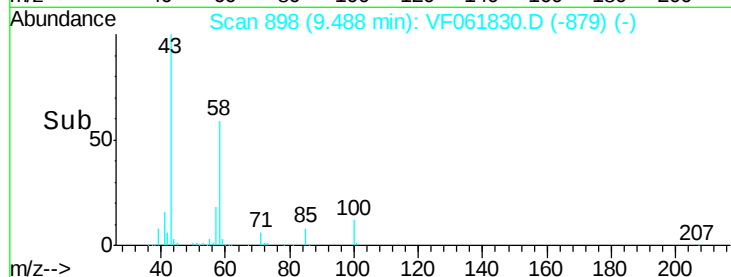
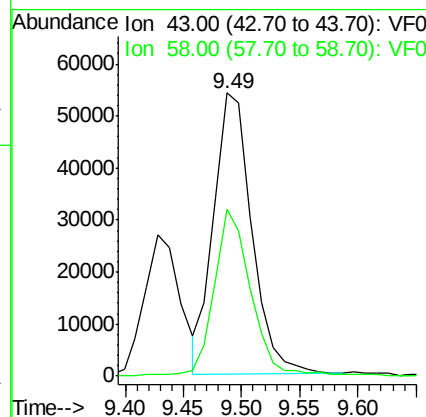
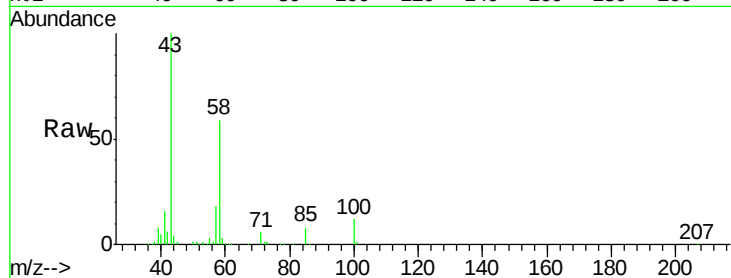
58 58.9 28.5 85.5

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#60

Dibromochloromethane

Concen: 19.633 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF061830.D

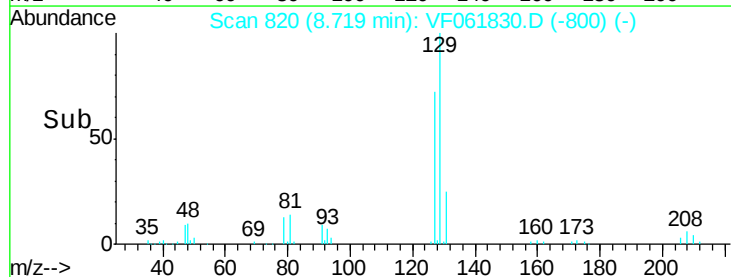
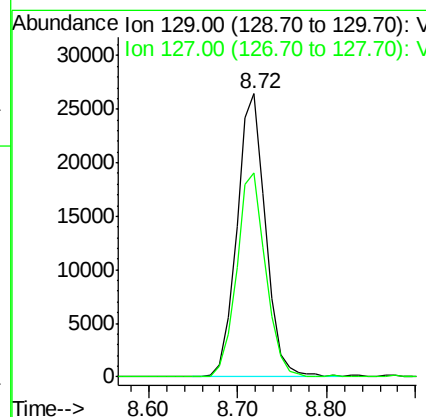
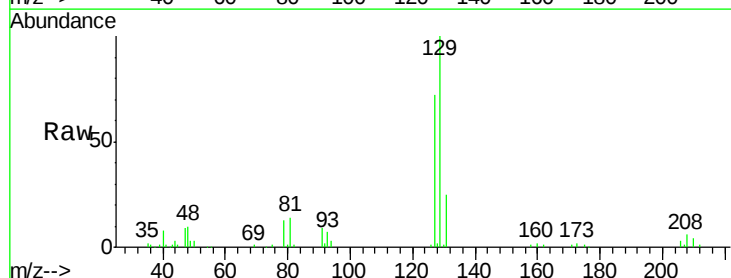
Acq: 4 Mar 2019 20:50

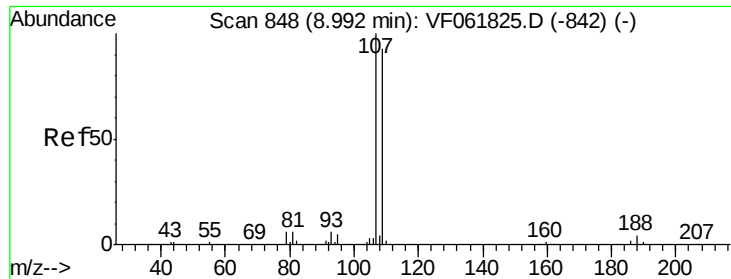
Tgt Ion: 129 Resp: 59131

Ion Ratio Lower Upper

129 100

127 72.0 37.8 113.4





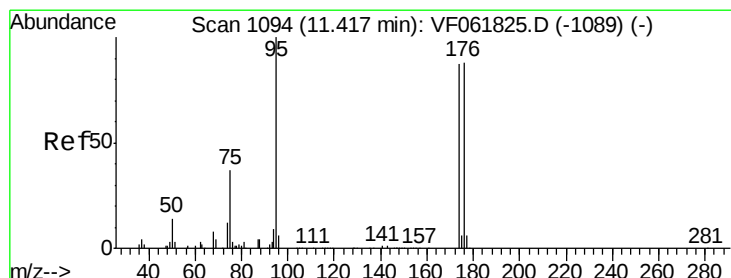
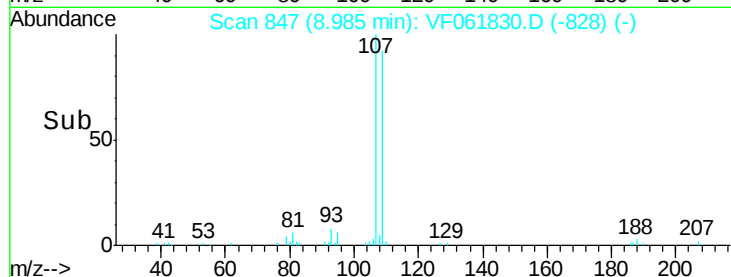
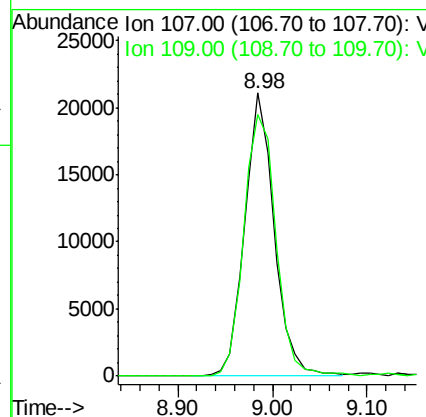
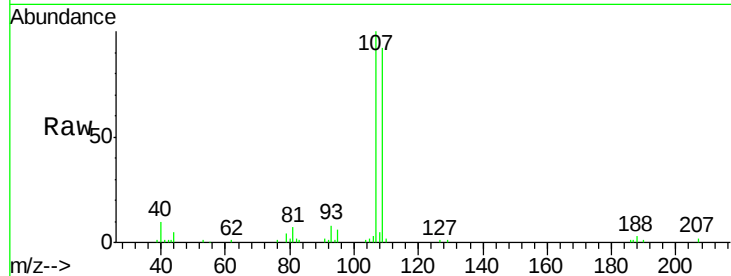
#61
1,2-Dibromoethane
Concen: 19.472 ug/l
RT: 8.98 min Scan# 847
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	77.4	116.0

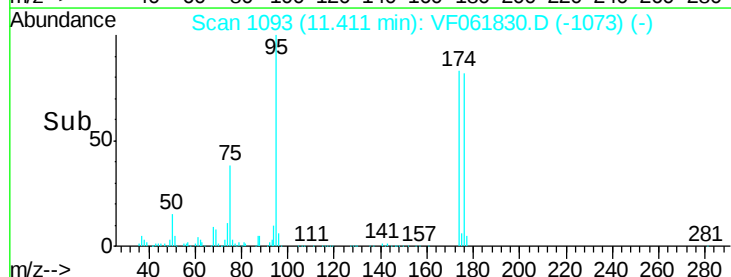
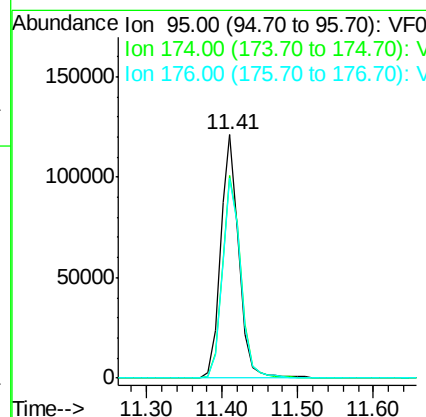
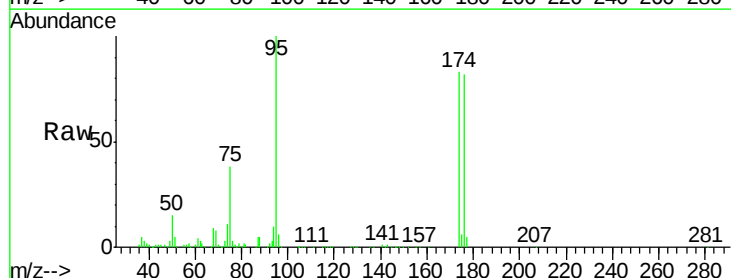
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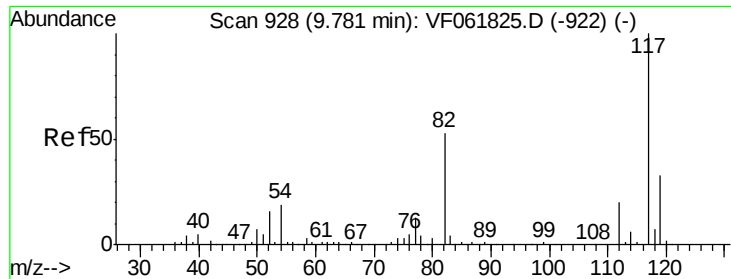
MMDadoda
3/5/2019 10:48:11 AM



#62
4-Bromofluorobenzene
Concen: 50.727 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	165.8
176	82.3	0.0	167.0





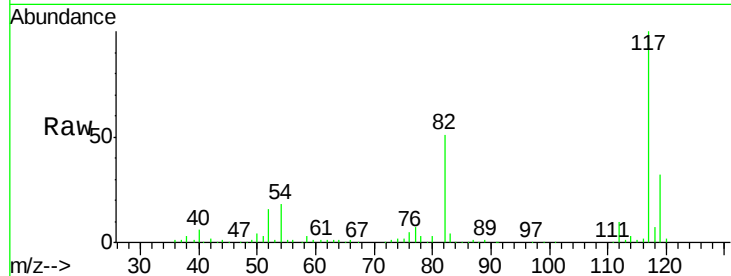
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	39.3	58.9
119	32.3	26.6	40.0

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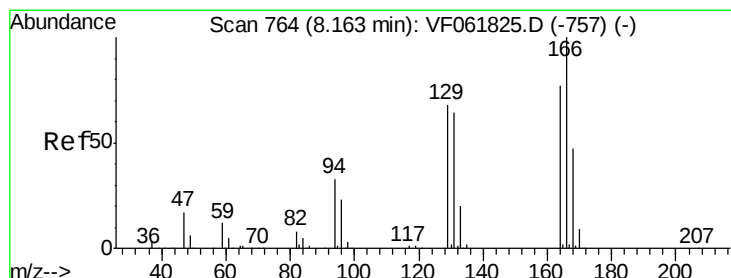
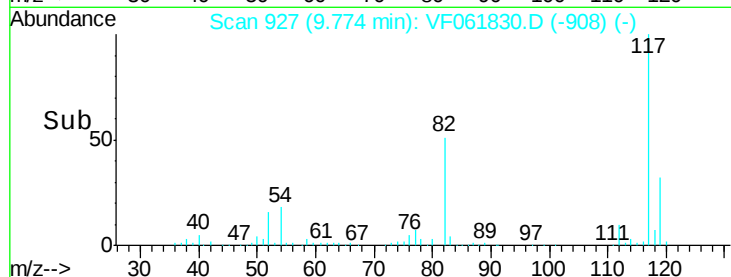
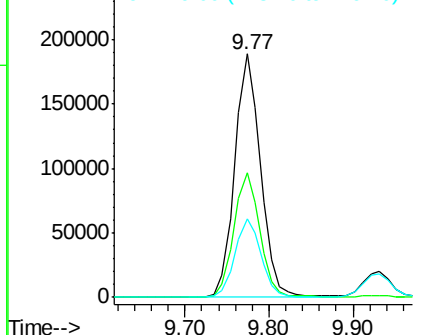


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 19.582 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	103.9	155.9
129	87.6	71.3	106.9
131	84.5	67.1	100.7

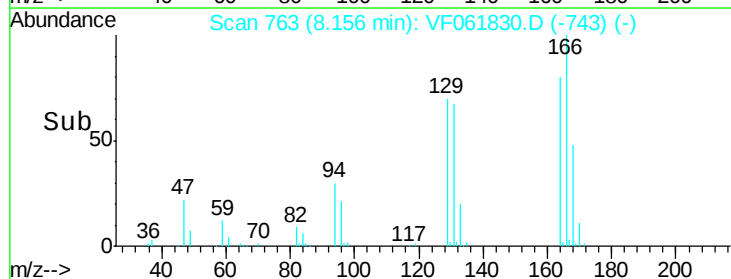
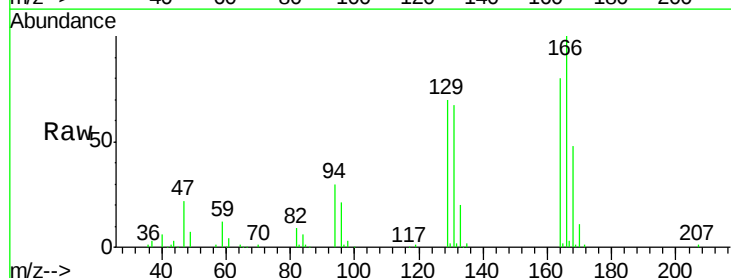
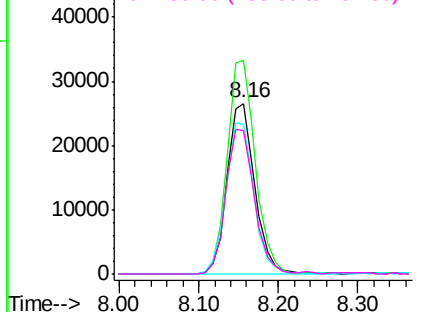
Abundance

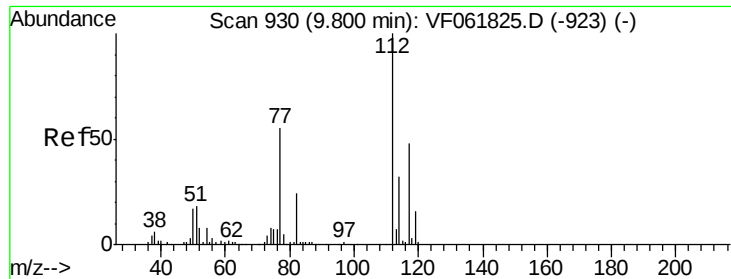
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





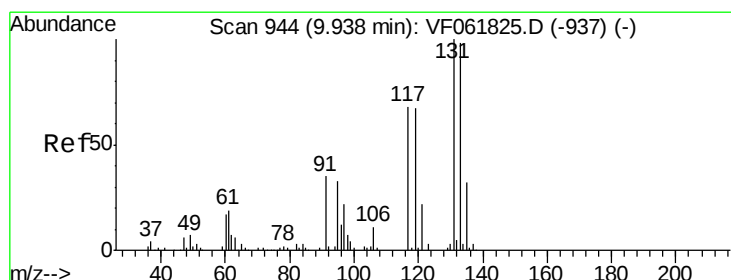
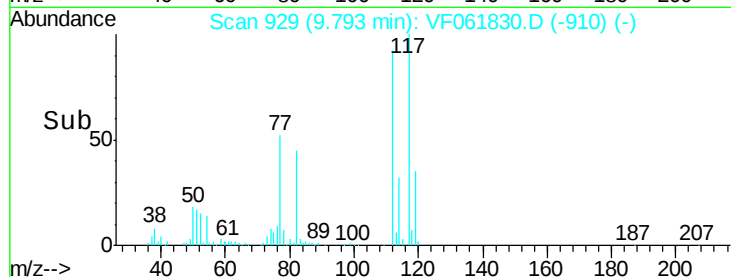
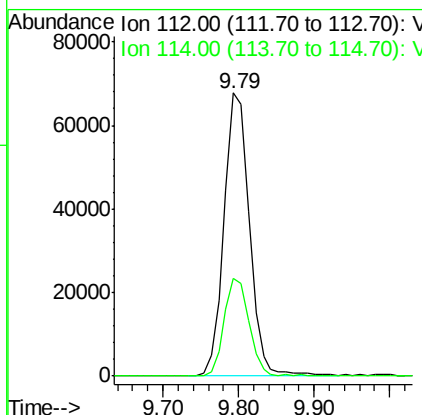
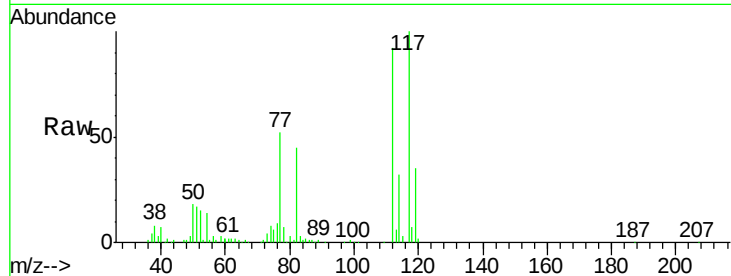
#65
Chlorobenzene
Concen: 19.271 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion:112 Resp: 158676
Ion Ratio Lower Upper
112 100
114 34.5 26.2 39.2

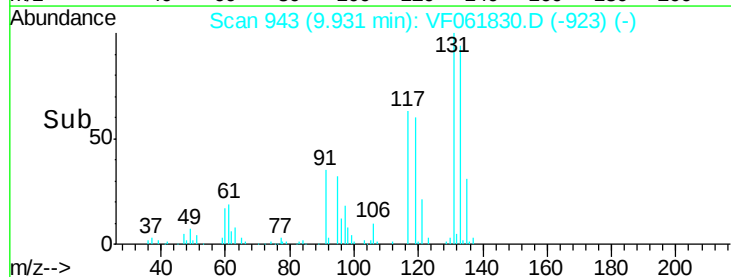
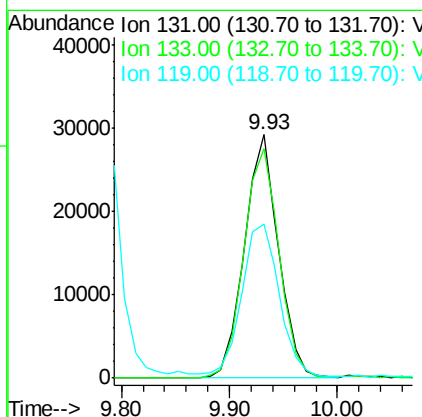
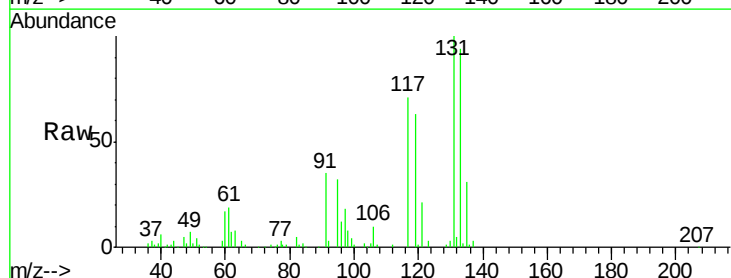
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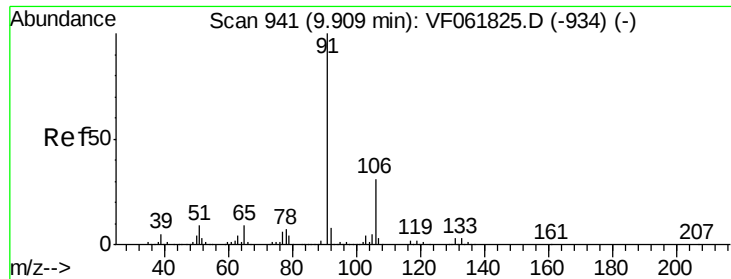
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.816 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion:131 Resp: 63936
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.6
119 63.3 34.8 104.3





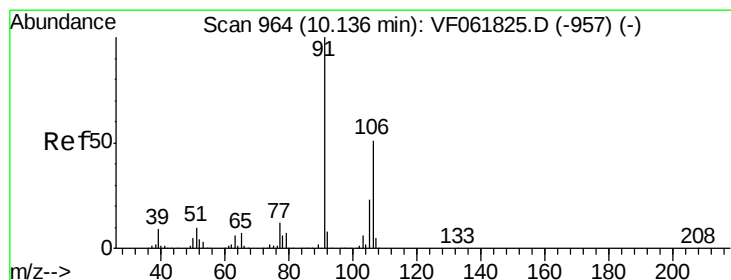
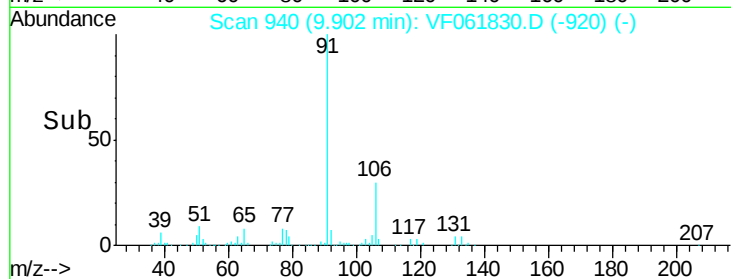
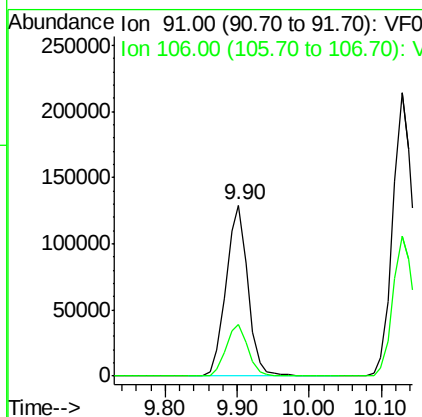
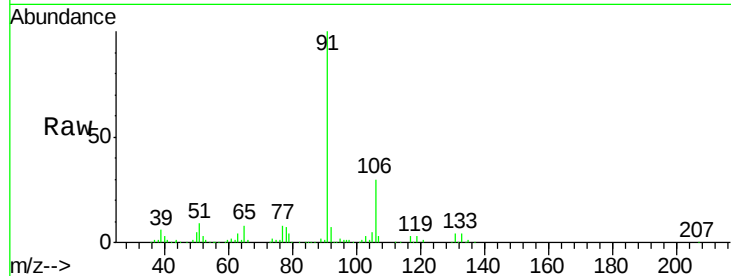
#67
Ethyl Benzene
Concen: 19.904 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion: 91 Resp: 272543
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

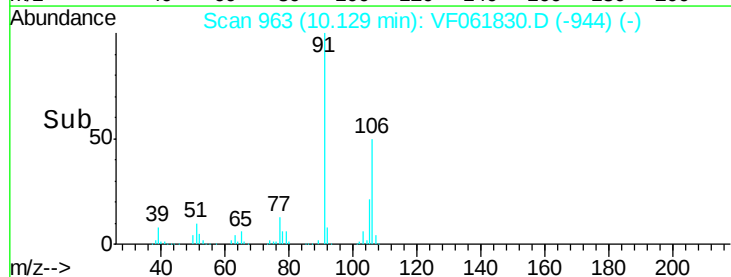
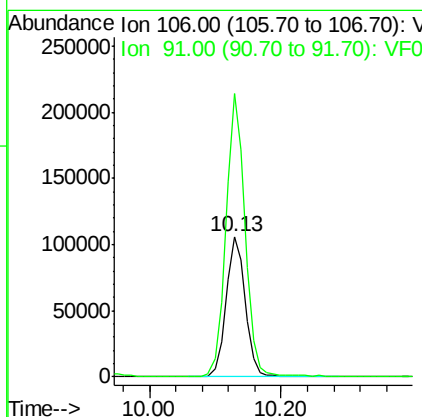
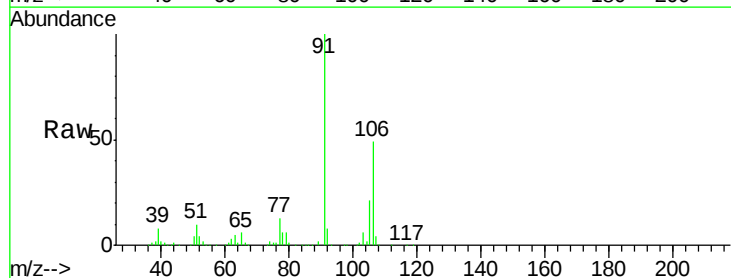
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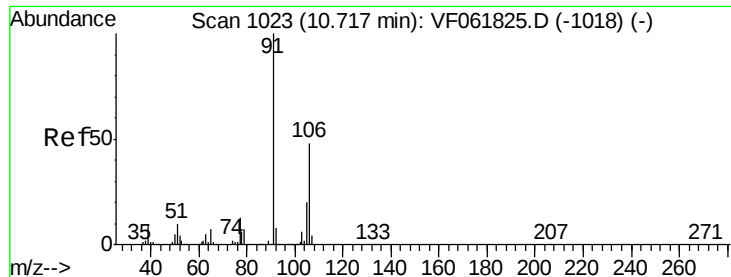
MMDadoda
3/5/2019 10:48:11 AM



#68
m/p-Xylenes
Concen: 41.507 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion: 106 Resp: 217521
Ion Ratio Lower Upper
106 100
91 202.1 153.0 229.6





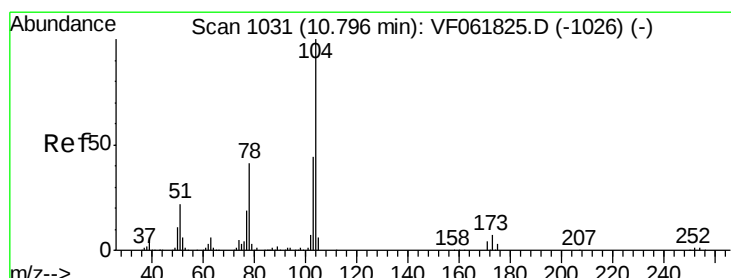
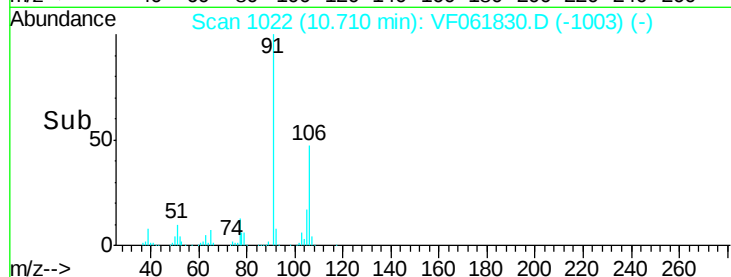
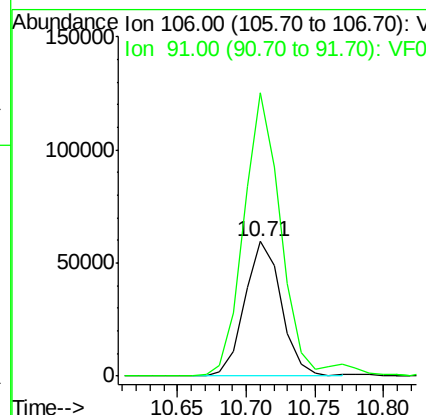
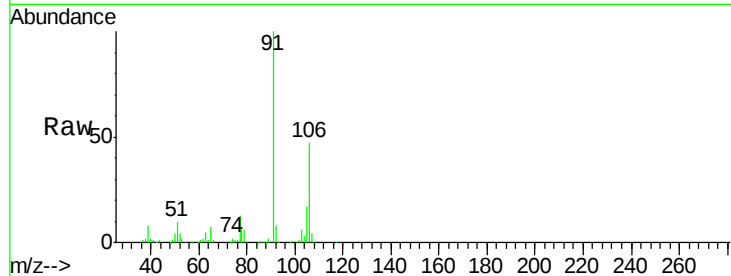
#69
o-Xylene
Concen: 19.733 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	110345		
91	91	210.6	100.1	300.1	

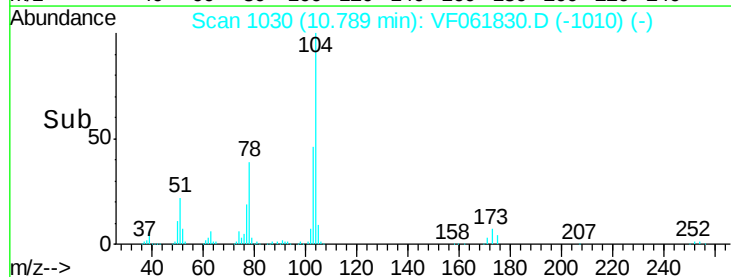
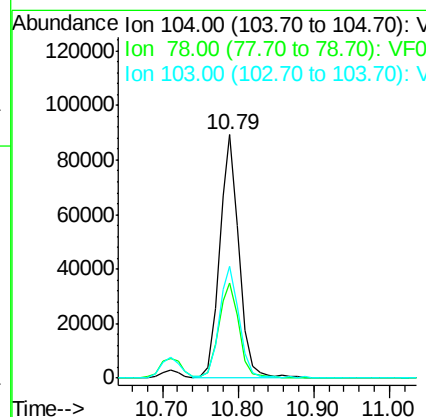
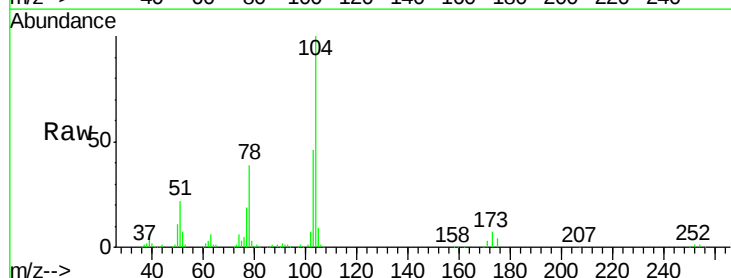
Manual Integrations
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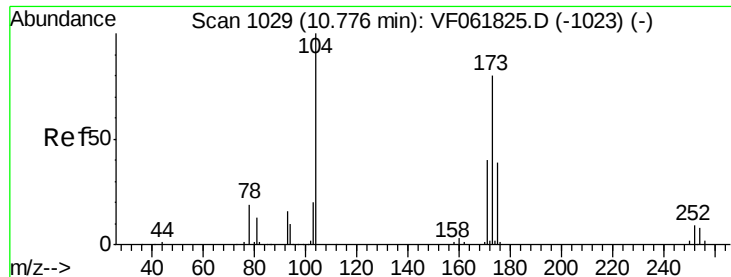
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#70
Styrene
Concen: 20.160 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	159479		
78	78	39.1	33.2	49.8	
103	103	46.1	37.2	55.8	





#71

Bromoform

Concen: 19.976 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

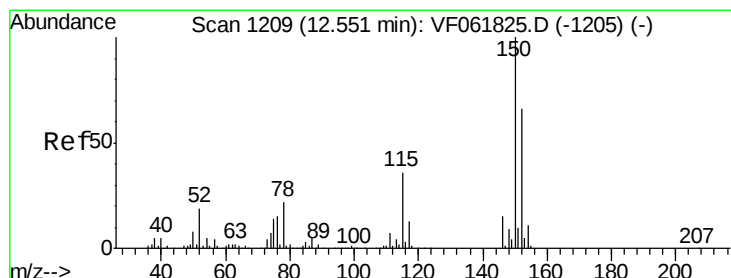
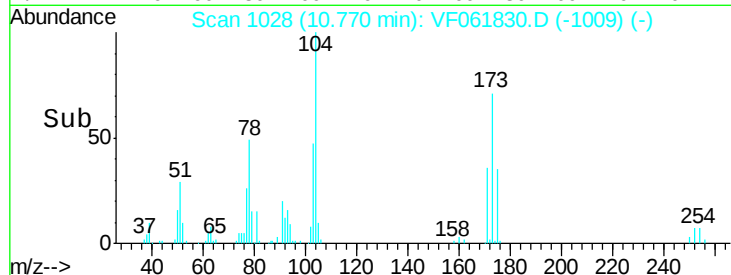
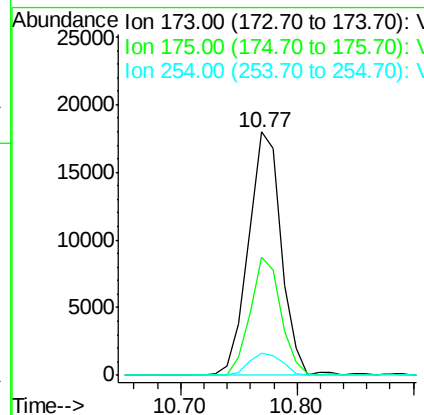
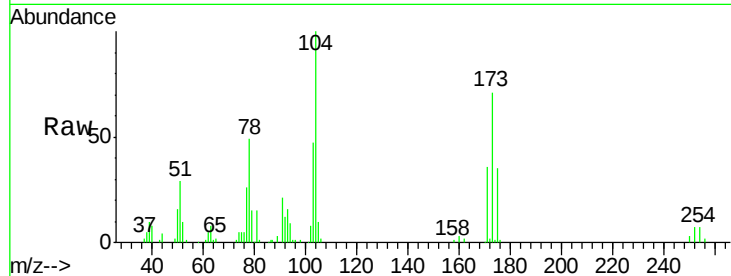
ClientSampleId :

VF0304SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.0	72.0
254	9.2	8.2	12.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

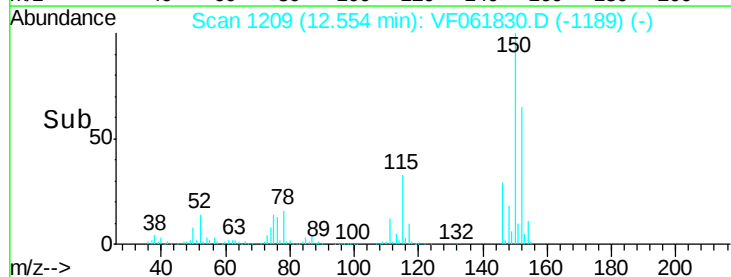
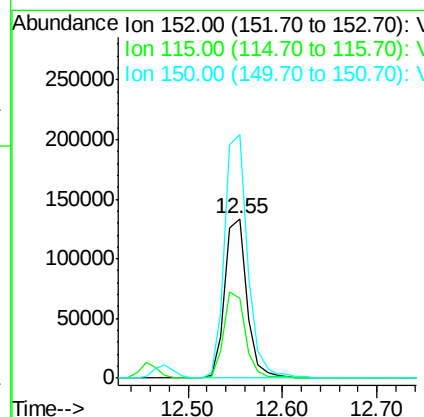
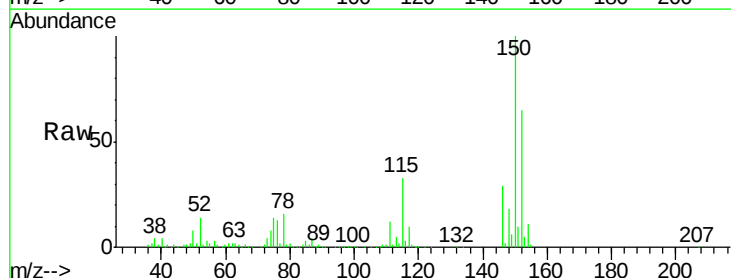
RT: 12.55 min Scan# 1209

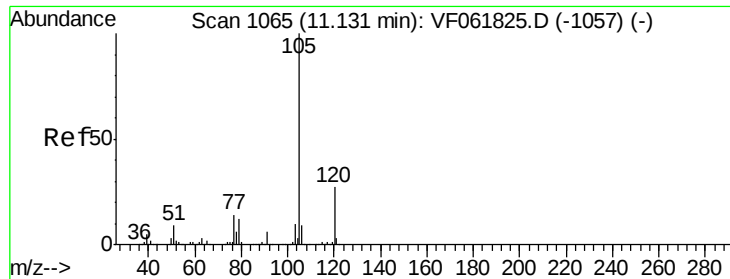
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.2	24.3	72.8
150	152.9	0.0	312.0





#73

Isopropylbenzene

Concen: 20.830 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion:105 Resp: 323129

Ion Ratio Lower Upper

105 100

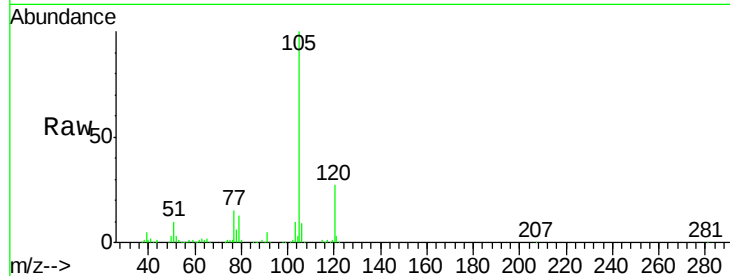
120 27.5 13.4 40.1

Manual Integrations

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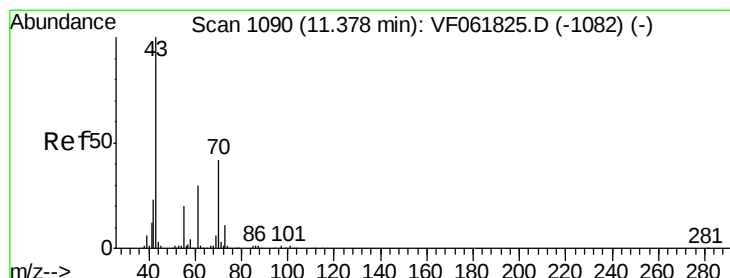
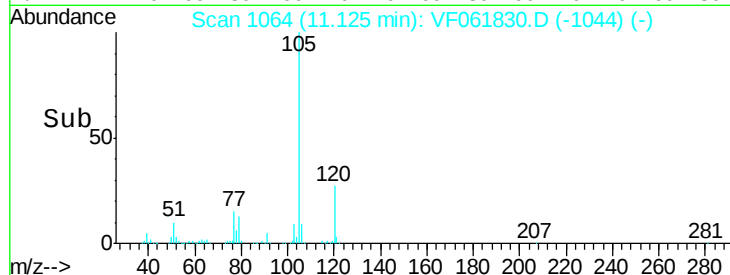
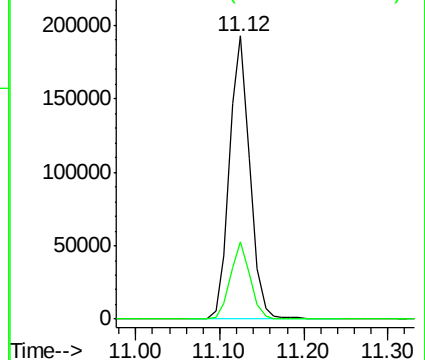
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.167 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion: 43 Resp: 78814

Ion Ratio Lower Upper

43 100

70 36.9 31.5 47.3

55 21.2 16.7 25.1

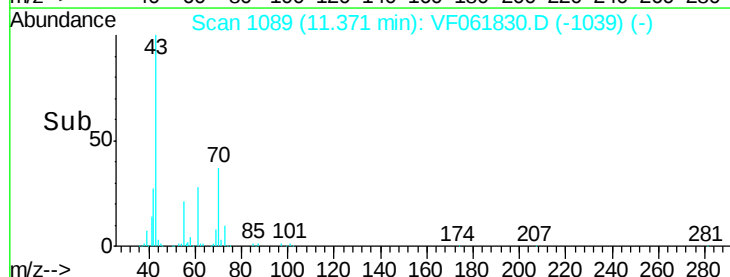
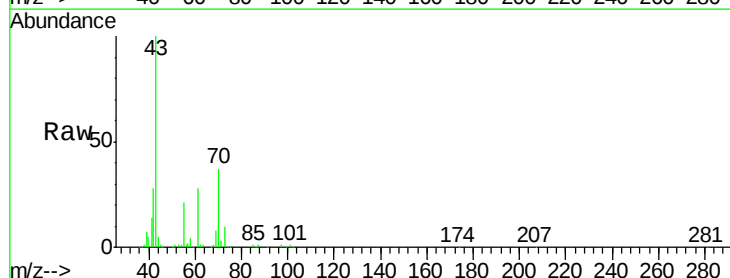
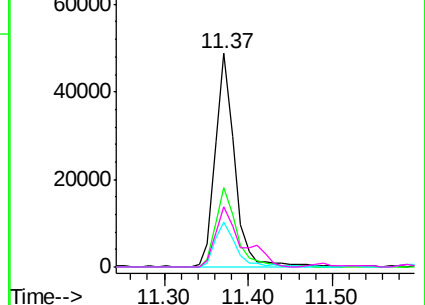
61 28.4 23.0 34.6

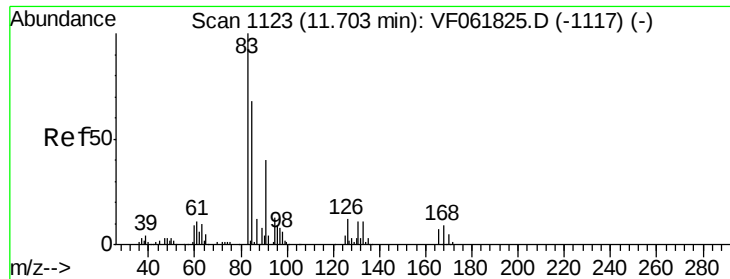
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.695 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

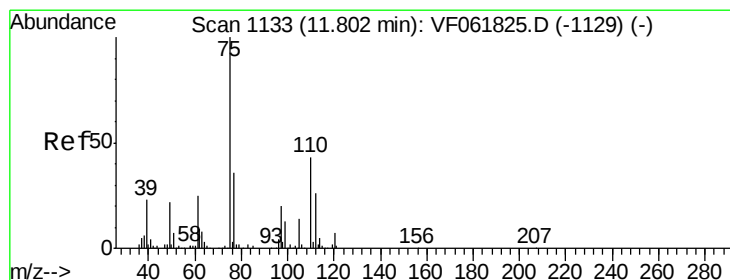
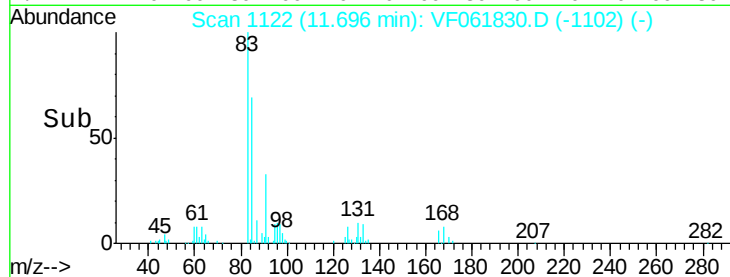
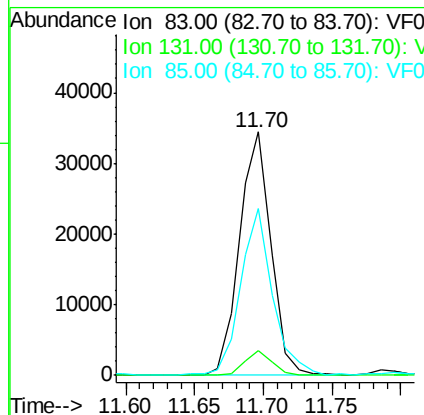
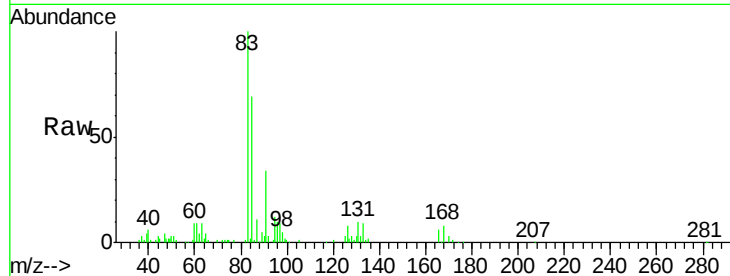
ClientSampleId :

VF0304SBS01

Tot Ion:	83	Resp:	54735
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.4	13.2
85	68.5	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.712 ug/l

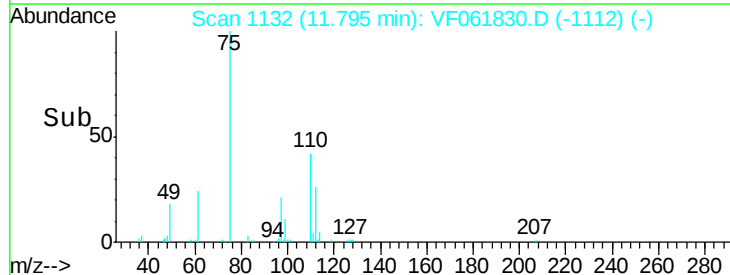
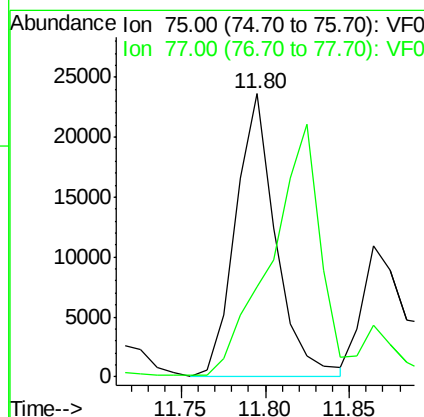
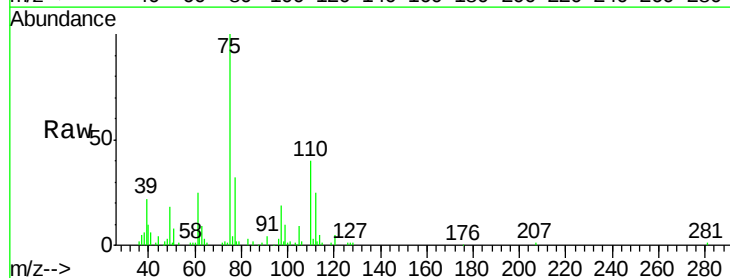
RT: 11.80 min Scan# 1132

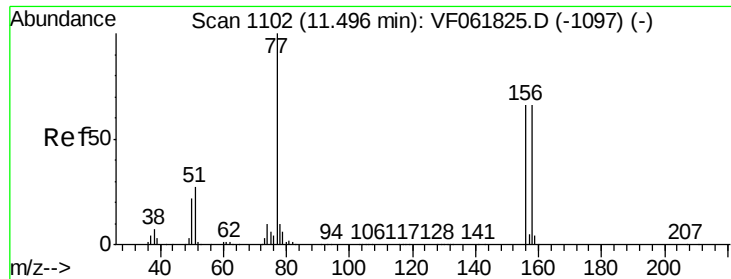
Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	75	Resp:	39135
Ion Ratio	Lower	Upper	
75	100		
77	31.9	16.6	49.7





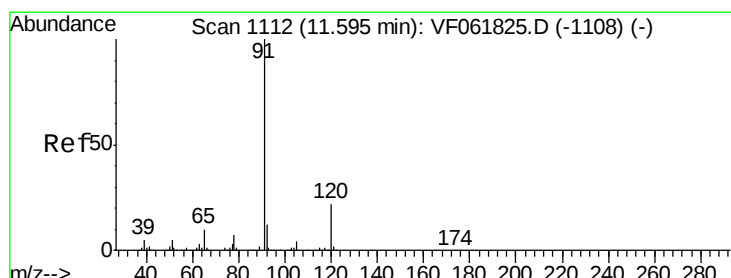
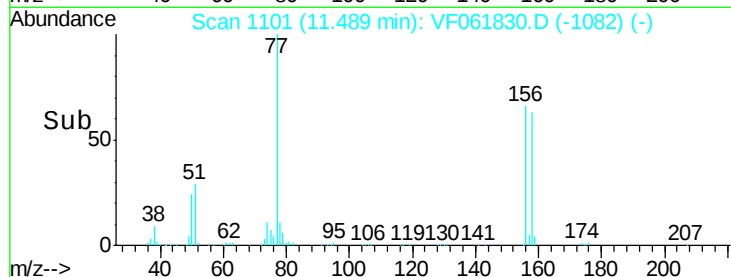
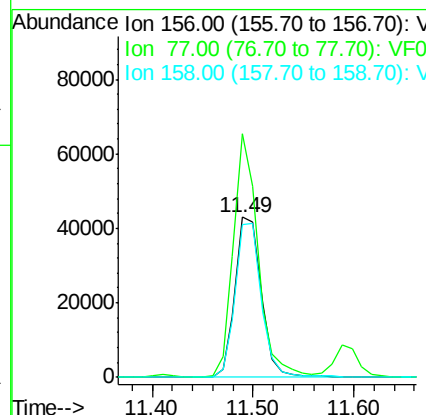
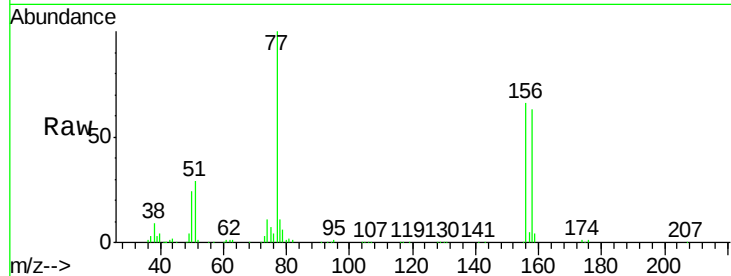
#77
Bromobenzene
Concen: 20.332 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.1	64.3	192.7
158	95.5	50.9	152.7

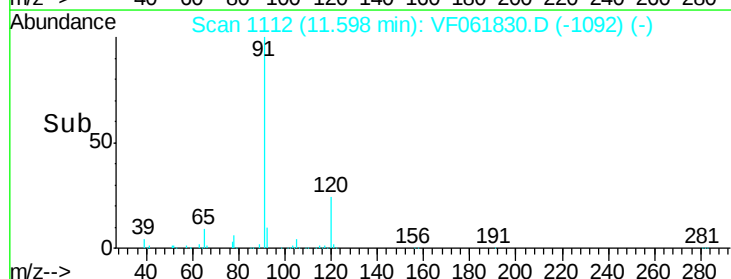
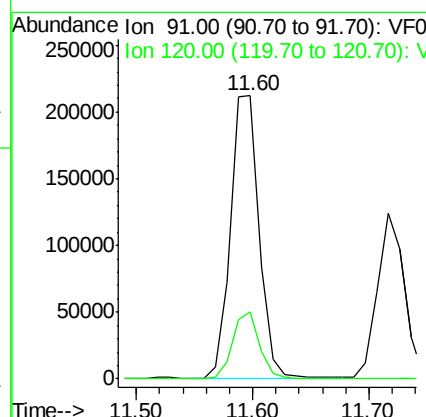
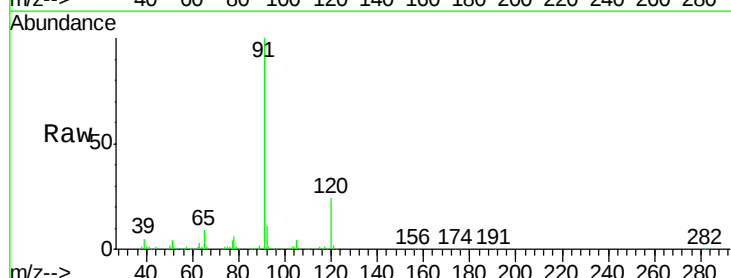
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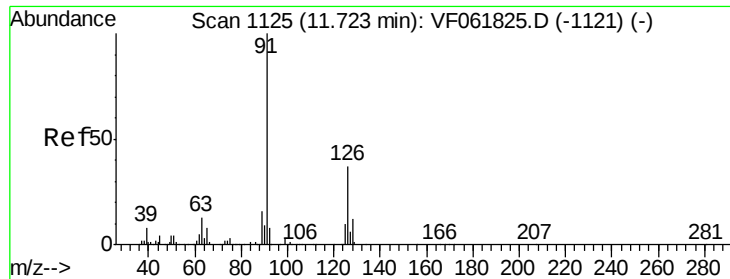
MMDadoda
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#78
n-propylbenzene
Concen: 20.341 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 19.713 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

ClientSampleId :

VF0304SBS01

Tot Ion: 91 Resp: 196531

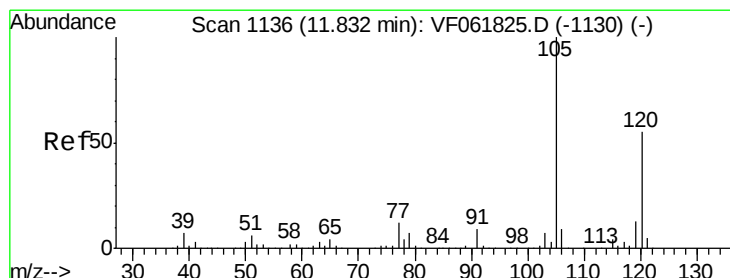
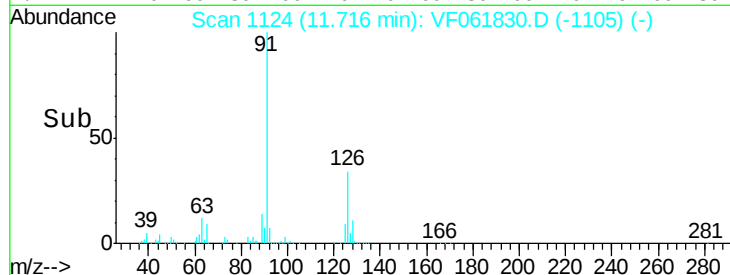
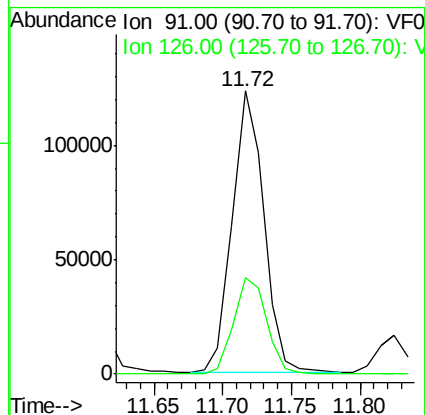
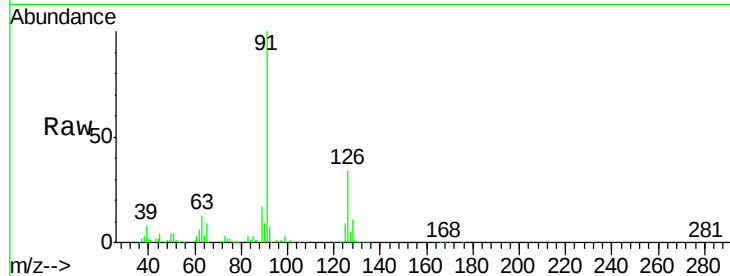
Ion Ratio Lower Upper

91 100

126 33.9 19.8 59.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.096 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061830.D

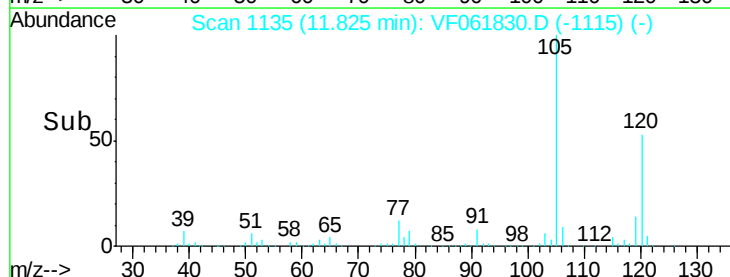
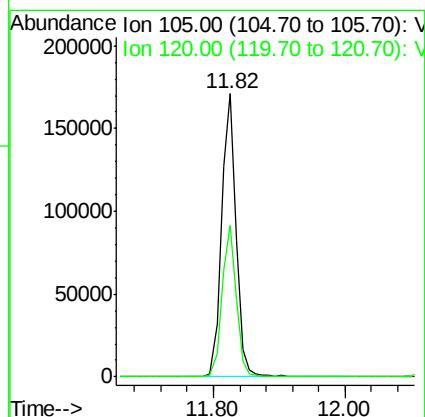
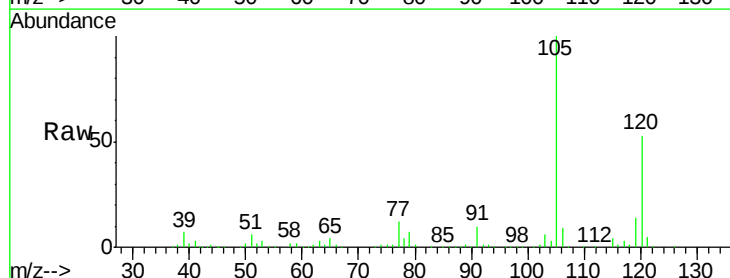
Acq: 4 Mar 2019 20:50

Tgt Ion: 105 Resp: 261554

Ion Ratio Lower Upper

105 100

120 53.4 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.667 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

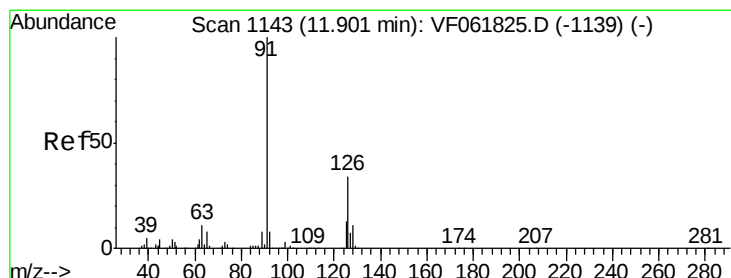
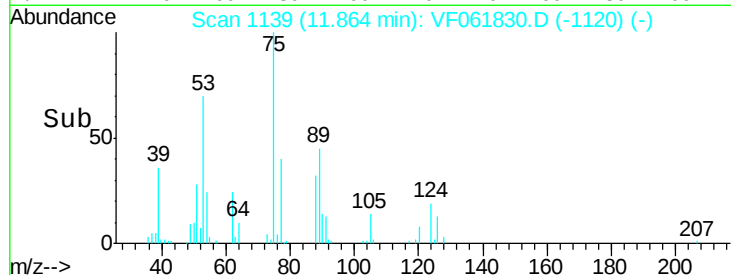
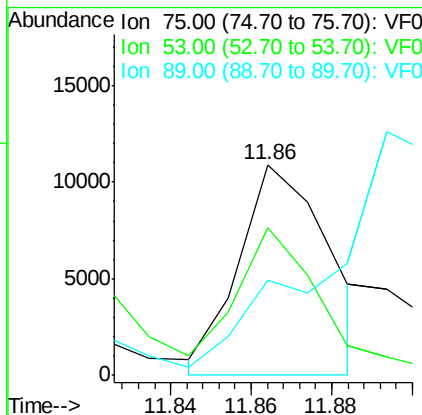
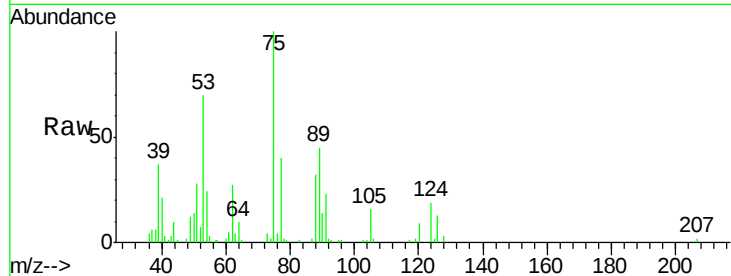
ClientSampleId :

VF0304SBS01

Tot Ion:	75	Resp:	16910
Ion	Ratio	Lower	Upper
75	100		
53	70.3	53.7	80.5
89	45.2	41.6	62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.375 ug/l

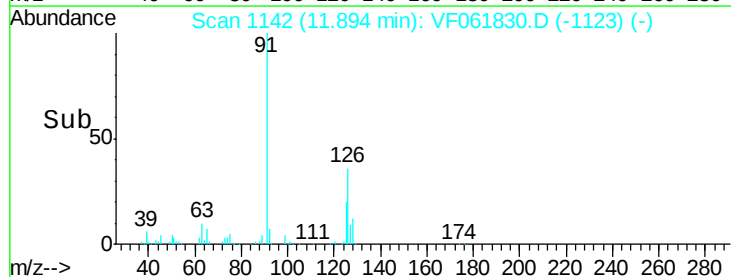
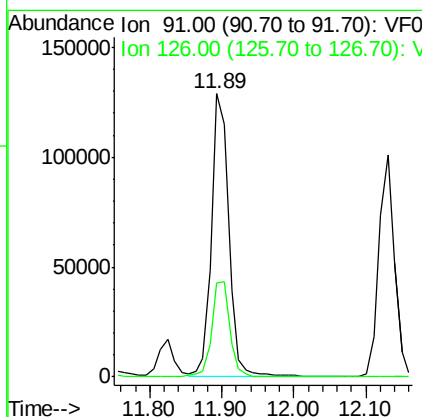
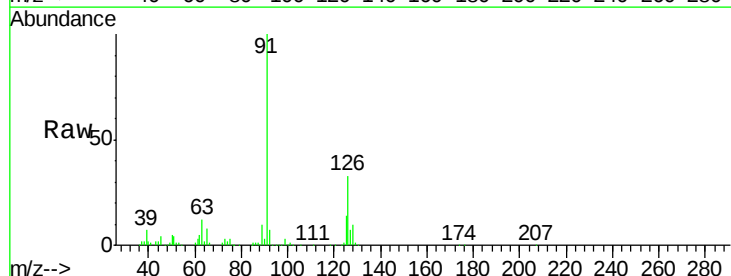
RT: 11.89 min Scan# 1142

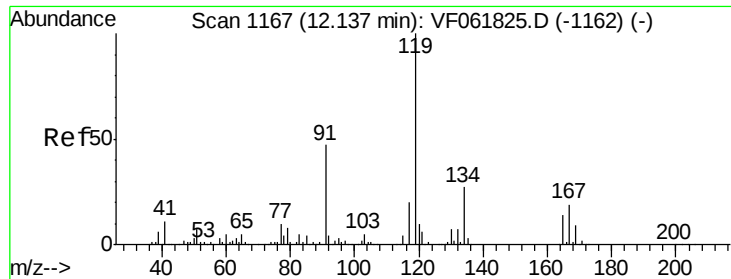
Delta R.T. -0.02 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	91	Resp:	210844
Ion	Ratio	Lower	Upper
91	100		
126	33.2	19.1	57.1





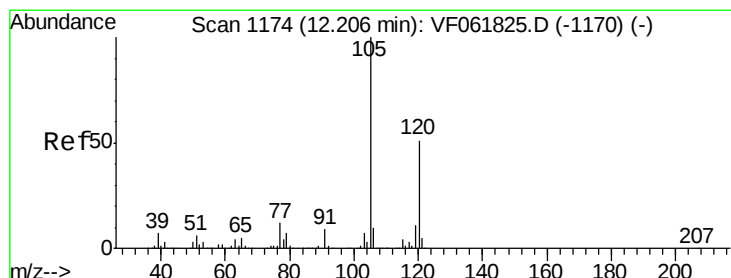
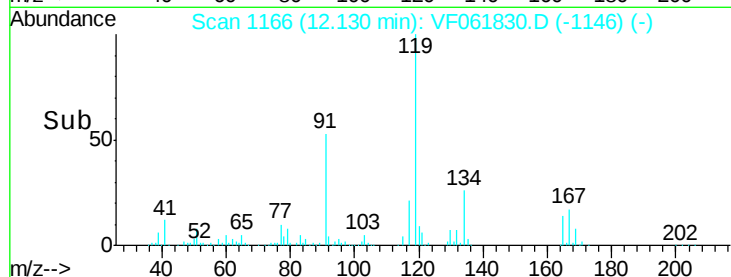
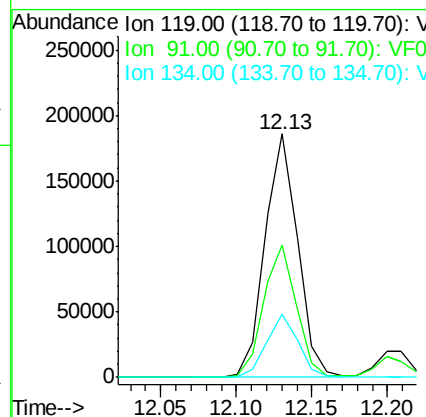
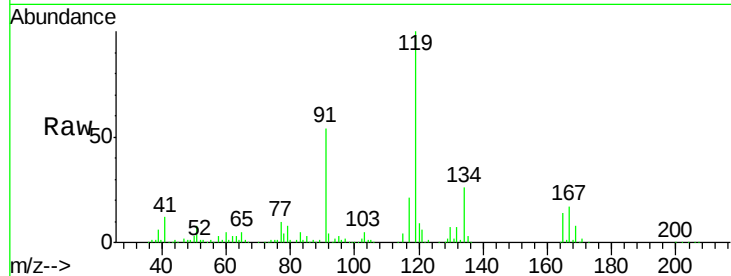
#83
tert-Butylbenzene
Concen: 20.608 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282997		
91	54.4	26.3	78.8	
134	25.8	12.9	38.7	

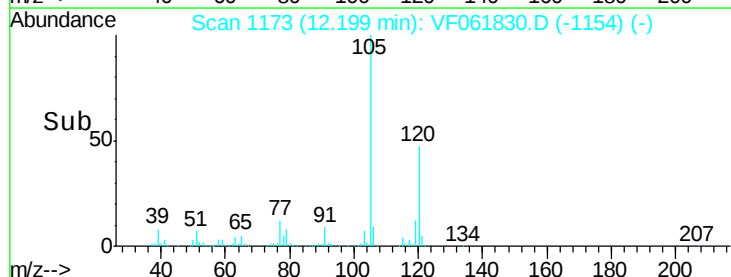
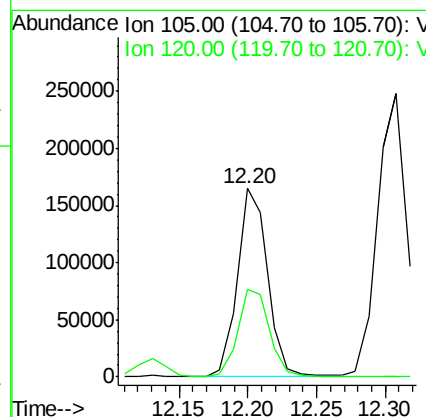
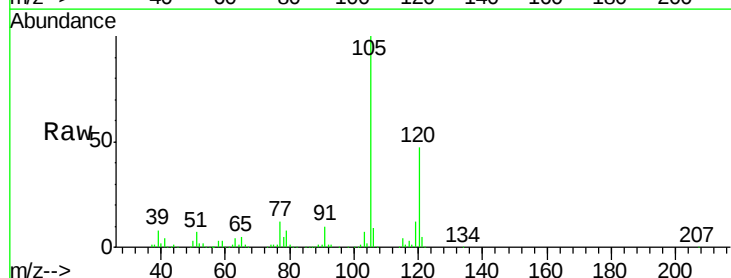
Manual Integrations
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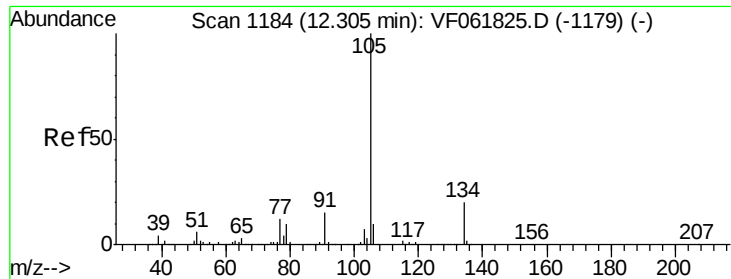
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#84
1,2,4-Trimethylbenzene
Concen: 20.463 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.02 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252063		
120	46.8	26.1	78.3	





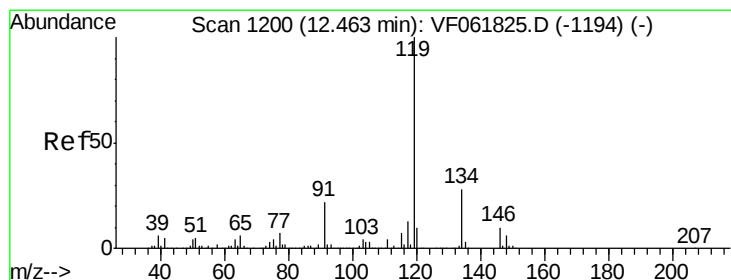
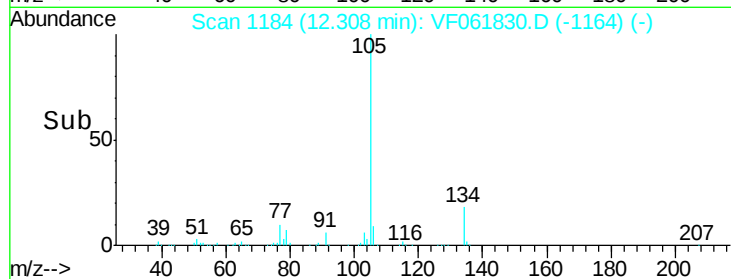
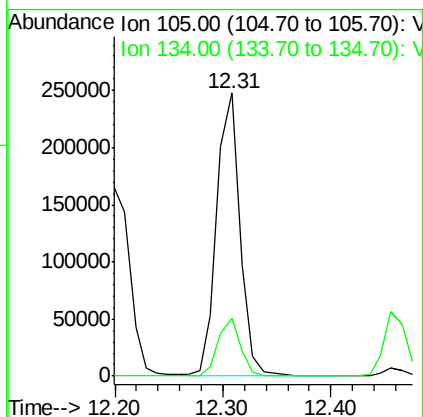
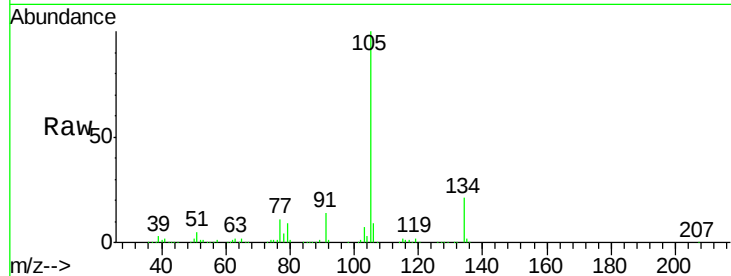
#85
 sec-Butylbenzene
 Concen: 20.916 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0304SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.8	32.4

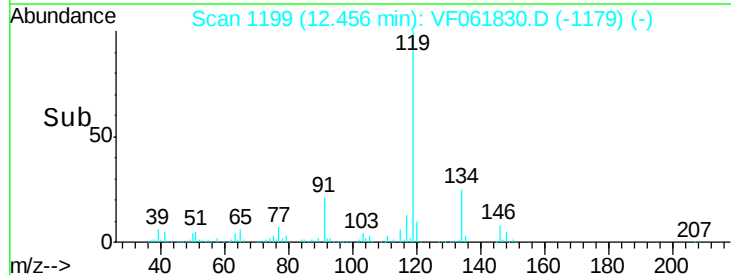
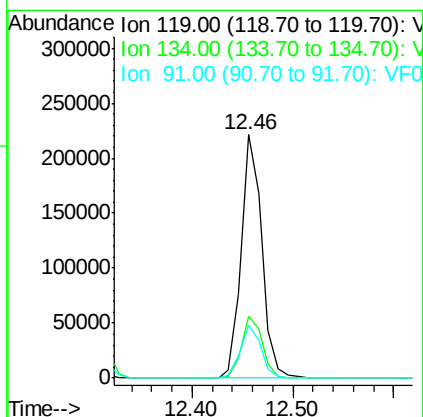
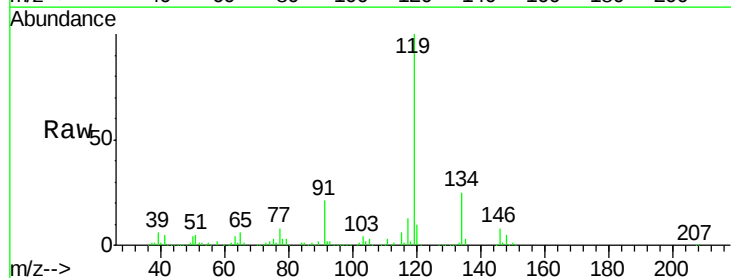
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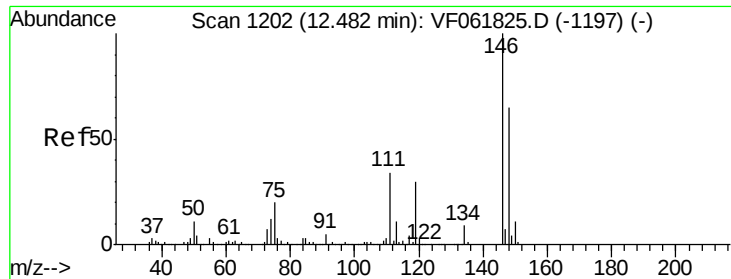
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#86
 p-Isopropyltoluene
 Concen: 21.109 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.7	41.1
91	21.5	10.8	32.4





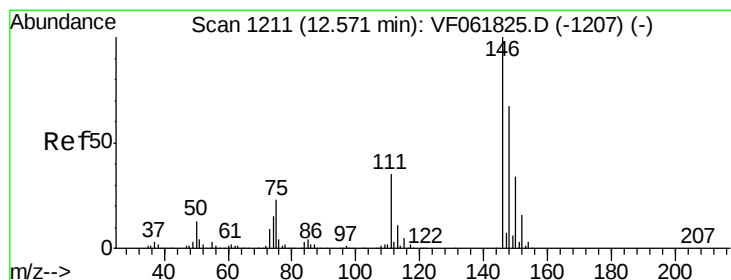
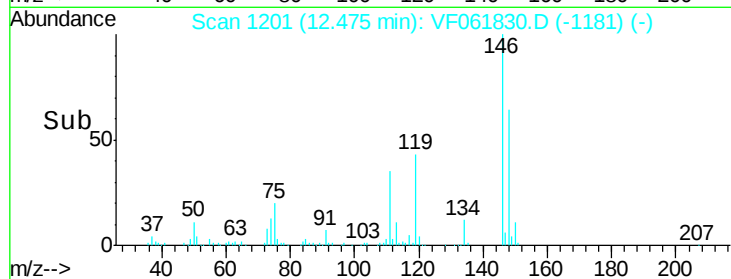
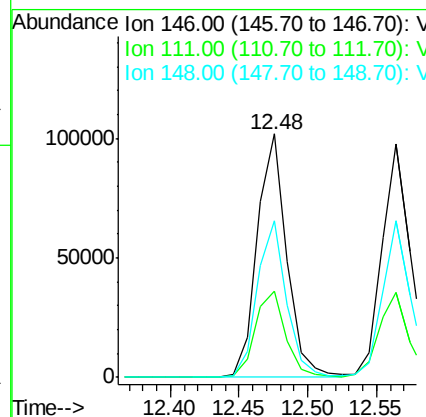
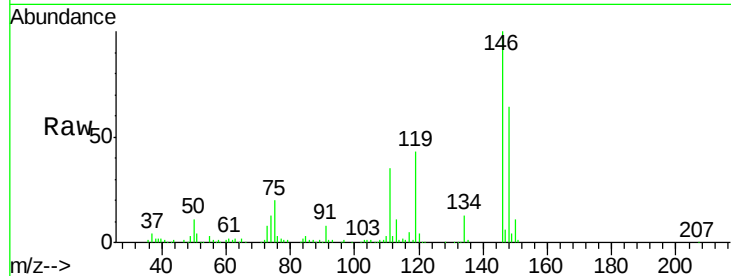
#87
 1,3-Dichlorobenzene
 Concen: 20.538 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.5	52.6
148	64.1	31.4	94.3

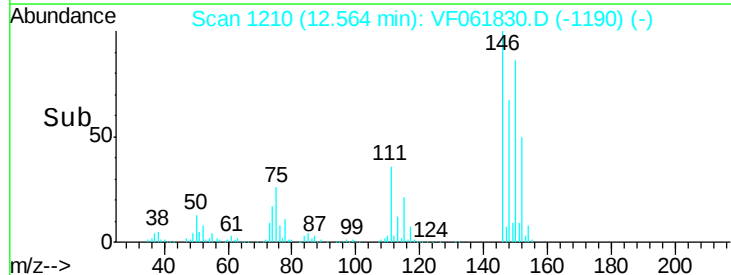
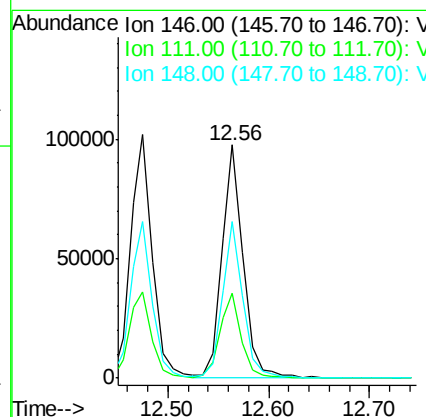
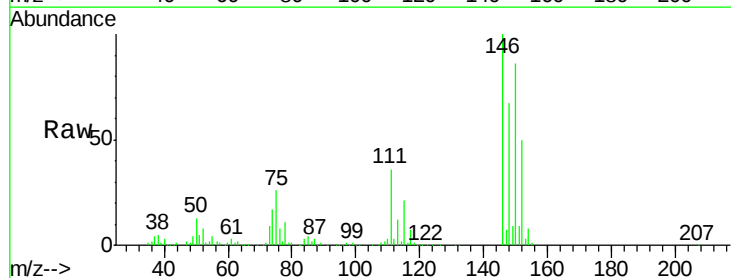
Manual Integrations
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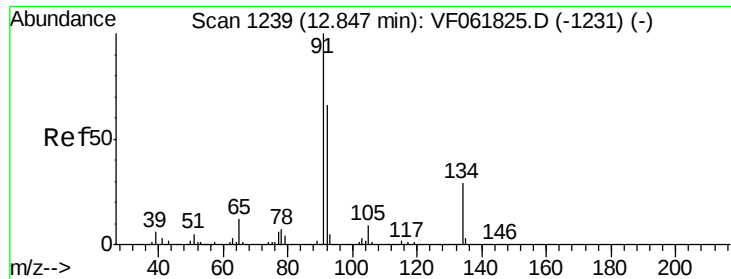
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#88
 1,4-Dichlorobenzene
 Concen: 19.897 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.4
148	67.1	32.2	96.6





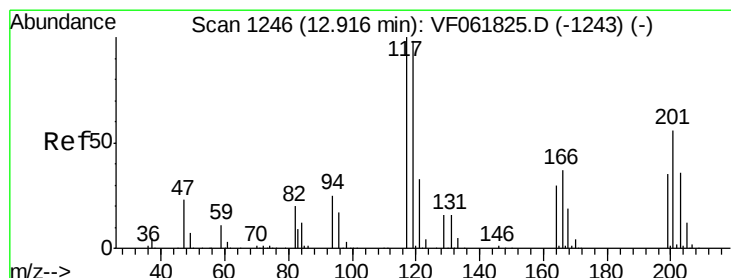
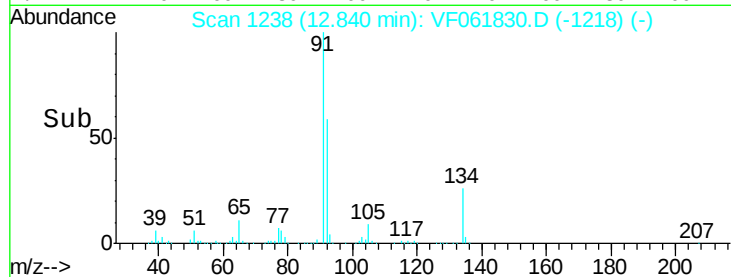
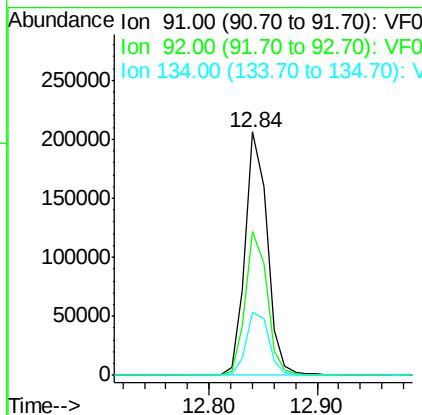
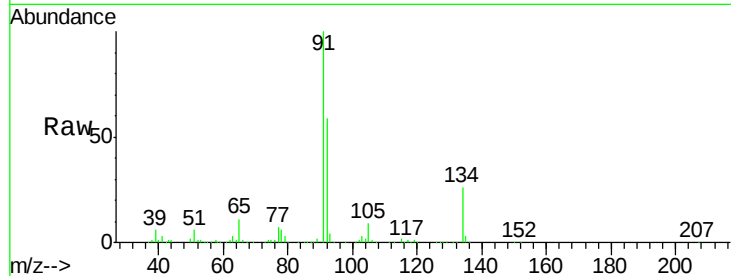
#89
n-Butylbenzene
Concen: 20.845 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Instrument :
MSVOA_F
ClientSampleId :
VF0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	293358		
92	59.1	31.4	94.3	
134	25.9	12.3	36.9	

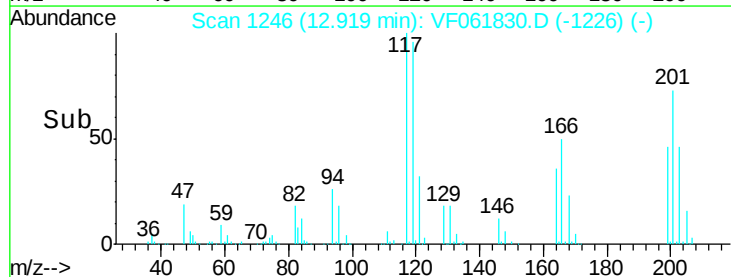
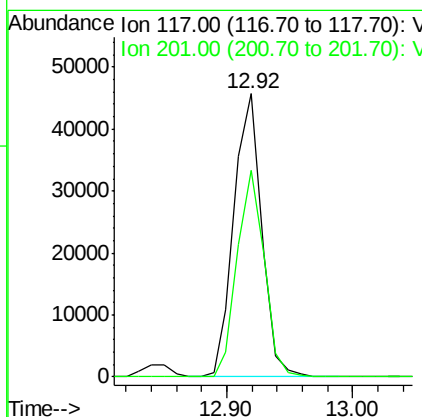
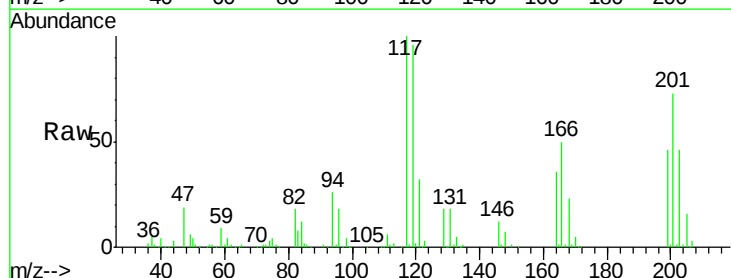
Manual Integrations
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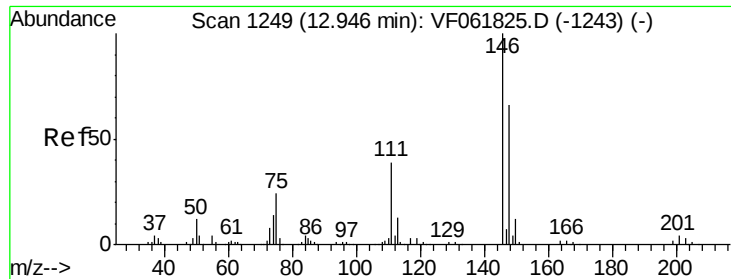
MMDadoda
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#90
Hexachloroethane
Concen: 20.120 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061830.D
Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69740		
201	72.8	36.2	108.6	





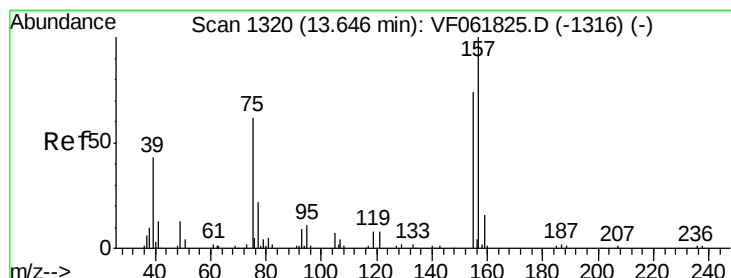
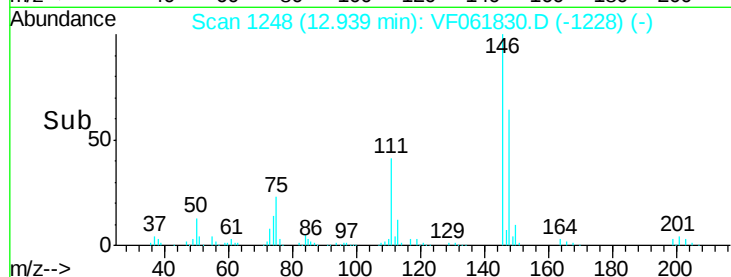
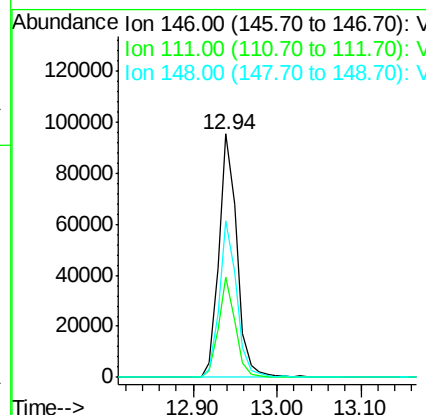
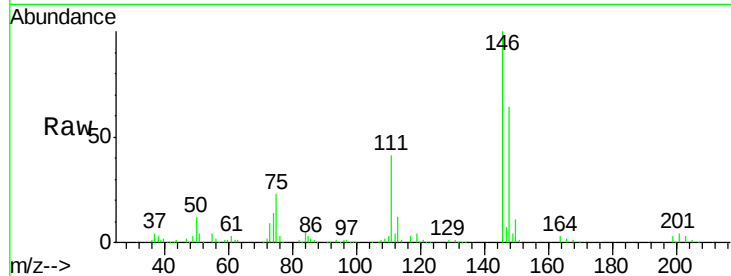
#91
 1,2-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141352		
111	41.2	20.2	60.5	
148	64.2	32.3	96.9	

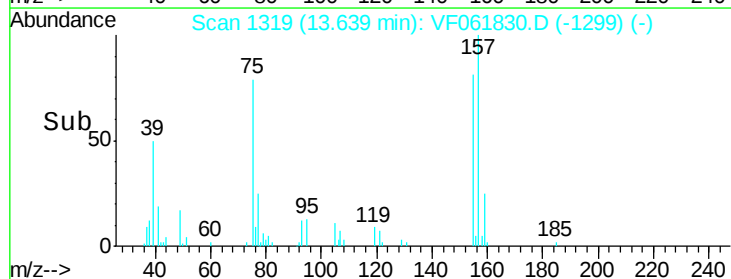
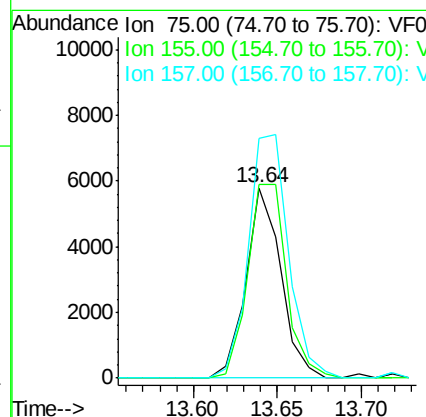
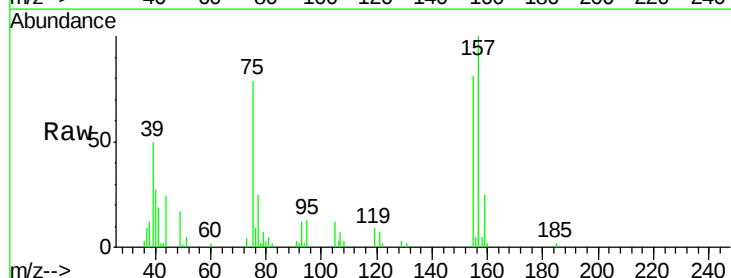
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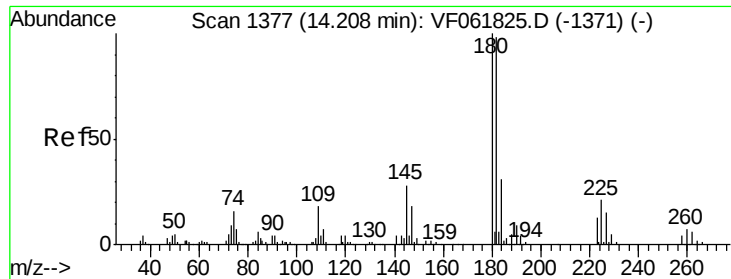
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.918 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8336		
155	102.2	48.9	146.8	
157	126.3	58.3	174.8	





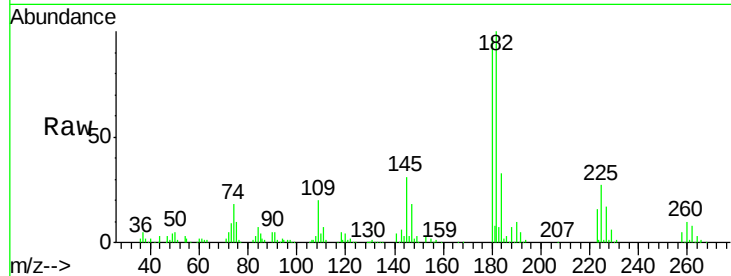
#93
 1,2,4-Trichlorobenzene
 Concen: 19.232 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0304SBS01

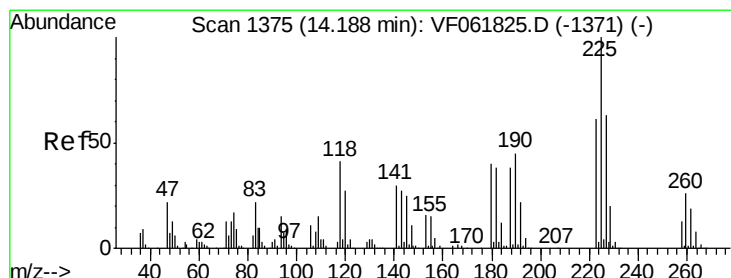
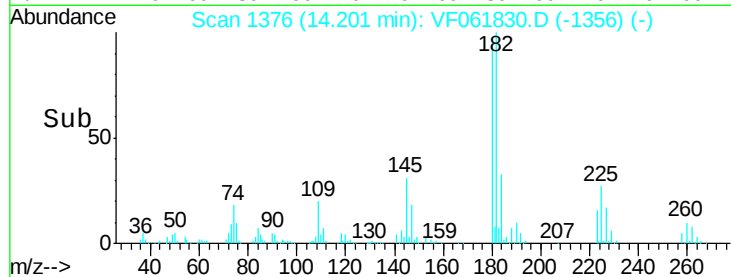
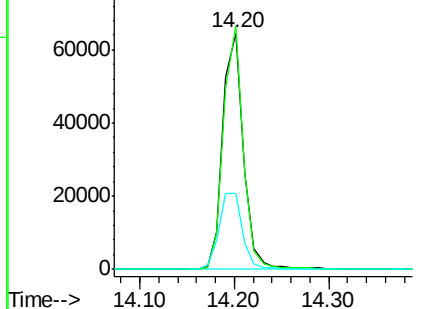
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	103.0	48.6	145.9	
145	31.9	15.3	45.9	

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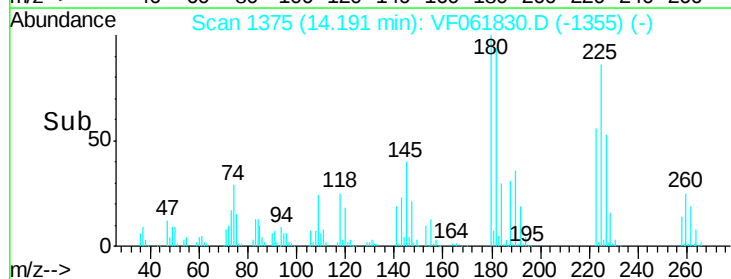
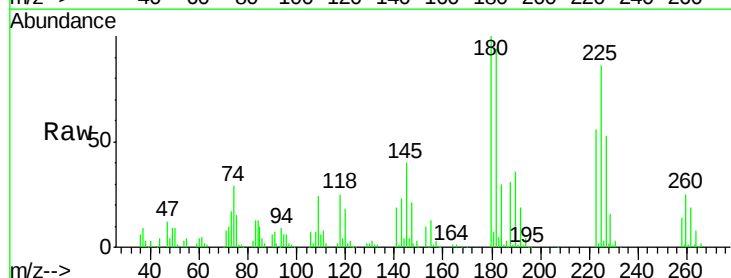
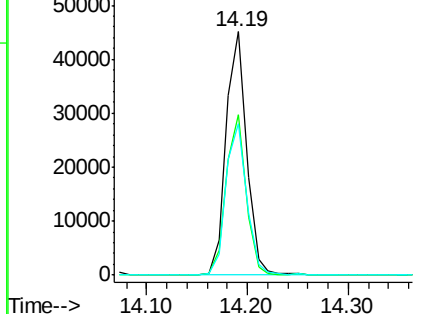
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

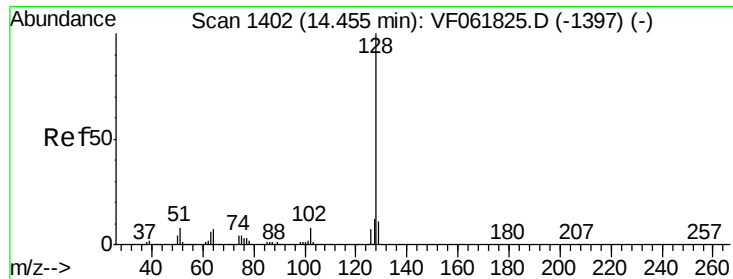


#94
 Hexachlorobutadiene
 Concen: 20.463 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061830.D
 Acq: 4 Mar 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.8	30.9	92.7	
227	62.3	32.1	96.3	

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: 19.913 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Instrument :

MSVOA_F

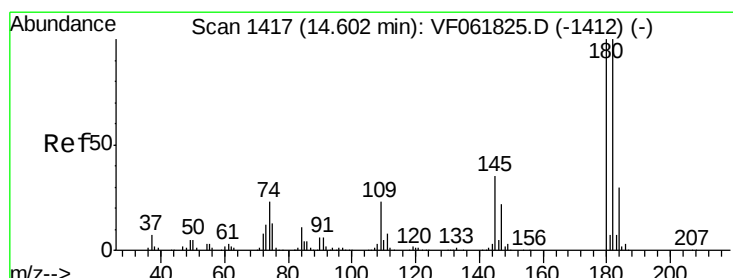
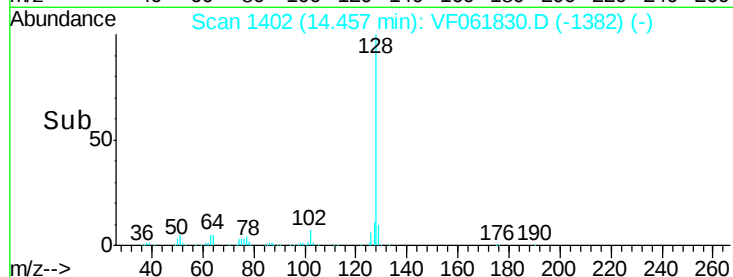
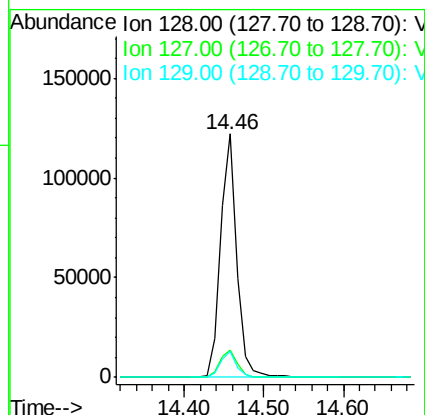
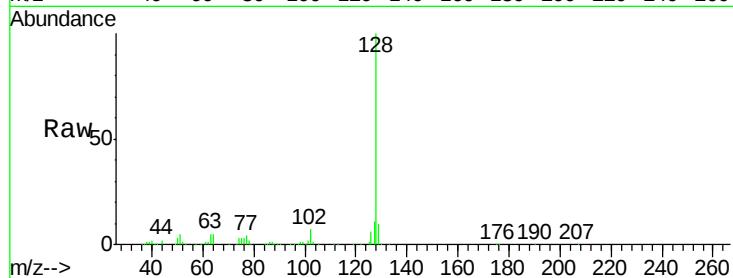
ClientSampleId :

VF0304SBS01

Tot Ion:	128	Resp:	177463
Ion Ratio	Lower	Upper	
128	100		
127	11.0	9.8	14.6
129	10.5	9.4	14.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.657 ug/l

RT: 14.61 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF061830.D

Acq: 4 Mar 2019 20:50

Tgt Ion:	180	Resp:	91898
Ion Ratio	Lower	Upper	
180	100		
182	92.0	49.0	147.2
145	30.2	15.4	46.1

