

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062177.D
 Acq On : 16 Apr 2019 15:48
 Operator : FY/SY
 Sample : VF0416SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:49:49 AM

Quant Time: Apr 17 08:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	394517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	612891	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	486301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	255665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	197321	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	4.30	113	272937	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
50) Toluene-d8	7.71	98	730382	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.50	95	297733	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	144618	24.985	ug/l	99
3) Chloromethane	1.14	50	157782	25.329	ug/l	99
4) Vinyl Chloride	1.19	62	138150	25.348	ug/l	97
5) Bromomethane	1.36	94	67577	19.281	ug/l	96
6) Chloroethane	1.44	64	47332	18.342	ug/l	100
7) Trichlorofluoromethane	1.55	101	154666	23.727	ug/l	100
8) Diethyl Ether	1.71	74	33362	25.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	106576	25.033	ug/l	99
10) Methyl Iodide	1.97	142	197560	24.928	ug/l	99
11) Tert butyl alcohol	2.69	59	29629	150.461	ug/l #	89
12) 1,1-Dichloroethene	1.86	96	108375	25.030	ug/l	98
13) Acrolein	2.10	56	21555	138.957	ug/l	93
14) Allyl chloride	2.19	41	178308	27.350	ug/l	97
15) Acrylonitrile	3.08	53	90334	123.457	ug/l	93
16) Acetone	2.34	43	104255	130.155	ug/l	96
17) Carbon Disulfide	1.91	76	303076	24.710	ug/l	99
18) Methyl Acetate	2.46	43	51778	27.366	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	188749	26.208	ug/l	98
20) Methylene Chloride	2.28	84	142495m	35.582	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	104780	25.293	ug/l	96
22) Diisopropyl ether	2.93	45	310478	25.620	ug/l	98
23) Vinyl Acetate	3.34	43	736748	121.876	ug/l	97
24) 1,1-Dichloroethane	3.01	63	170879	25.321	ug/l	100
25) 2-Butanone	4.52	43	205471	119.415	ug/l	99
26) 2,2-Dichloropropane	3.77	77	96688	27.239	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	131537	23.920	ug/l	93
28) Bromochloromethane	3.90	49	81349	25.173	ug/l	93
29) Tetrahydrofuran	4.26	42	92782	121.238	ug/l	97
30) Chloroform	4.05	83	197224	23.507	ug/l	99
31) Cyclohexane	3.88	56	212215	24.340	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	152475	26.651	ug/l	97
36) 1,1-Dichloropropene	4.47	75	155852	22.887	ug/l	99
37) Ethyl Acetate	4.30	43	68139	21.716	ug/l	99
38) Carbon Tetrachloride	4.19	117	159039m	27.134	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	211782	24.818	ug/l	97
40) Benzene	4.83	78	427534	23.768	ug/l	99
41) Methacrylonitrile	4.93	41	44164	23.425	ug/l	96
42) 1,2-Dichloroethane	5.12	62	108829	23.904	ug/l	96
43) Isopropyl Acetate	7.11	43	84069	23.190	ug/l #	97
44) Trichloroethene	5.68	130	110553	22.962	ug/l	99
45) 1,2-Dichloropropane	6.41	63	94179	21.342	ug/l	100
46) Dibromomethane	6.26	93	59575	22.389	ug/l	92
47) Bromodichloromethane	6.55	83	129616	21.501	ug/l	97
48) Methyl methacrylate	6.88	41	51007	21.489	ug/l	96
49) 1,4-Dioxane	6.88	88	10532	569.403	ug/l	89
51) 4-Methyl-2-Pentanone	8.40	43	305509	109.361	ug/l	99
52) Toluene	7.78	92	223453	21.146	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	109826	21.033	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	143595	21.626	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	59181	19.555	ug/l	98
56) Ethyl methacrylate	8.76	69	76409	21.232	ug/l	97
57) 1,3-Dichloropropane	9.00	76	104783	21.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	95926	103.455	ug/l	99
59) 2-Hexanone	9.63	43	210866	118.769	ug/l	97
60) Dibromochloromethane	8.86	129	91511	21.976	ug/l	99
61) 1,2-Dibromoethane	9.13	107	73471	22.691	ug/l	96
64) Tetrachloroethene	8.31	164	87678	22.075	ug/l	95
65) Chlorobenzene	9.93	112	226076	22.348	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	99476	23.818	ug/l	98
67) Ethyl Benzene	10.03	91	435141	23.205	ug/l	100
68) m/p-Xylenes	10.26	106	314220	45.519	ug/l	91
69) o-Xylene	10.82	106	167074	22.354	ug/l	92
70) Styrene	10.89	104	249709	22.974	ug/l	98
71) Bromoform	10.88	173	51577	23.582	ug/l	98
73) Isopropylbenzene	11.21	105	498594	22.637	ug/l	98
74) N-amyl acetate	11.45	43	128795	23.290	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	87861	22.393	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	58463	21.971	ug/l	92
77) Bromobenzene	11.58	156	100949	22.038	ug/l	97
78) n-propylbenzene	11.68	91	559617	22.353	ug/l	96
79) 2-Chlorotoluene	11.80	91	331843	22.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	418532	22.784	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	31182m	23.431	ug/l	
82) 4-Chlorotoluene	11.97	91	324888	22.465	ug/l	99
83) tert-Butylbenzene	12.20	119	423742	23.230	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	404344	22.681	ug/l	94
85) sec-Butylbenzene	12.37	105	559808	23.339	ug/l	98
86) p-Isopropyltoluene	12.53	119	477898	23.387	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	193971	23.145	ug/l	97
88) 1,4-Dichlorobenzene	12.62	146	181668	22.233	ug/l	94
89) n-Butylbenzene	12.90	91	487787	22.769	ug/l	95
90) Hexachloroethane	12.98	117	117999	23.574	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	185746	23.095	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15679	22.187	ug/l	95

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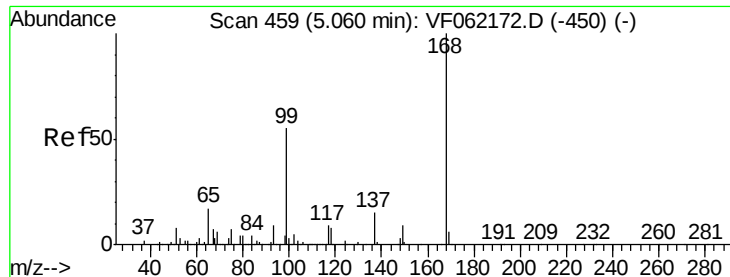
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	144590	23.937	ug/l	96
94) Hexachlorobutadiene	14.23	225	95357	24.223	ug/l	97
95) Naphthalene	14.50	128	244351	23.154	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	133123	23.655	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion:168 Resp: 394517

Ion Ratio Lower Upper

168 100

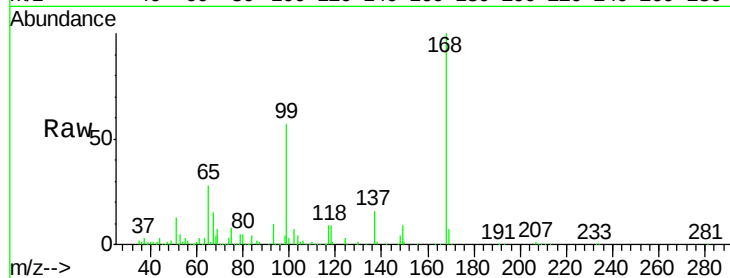
99 57.3 44.2 66.4

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

5.05

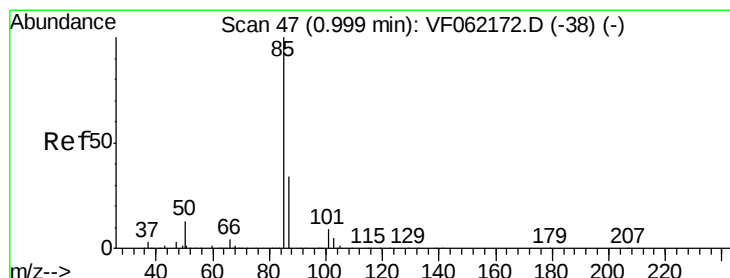
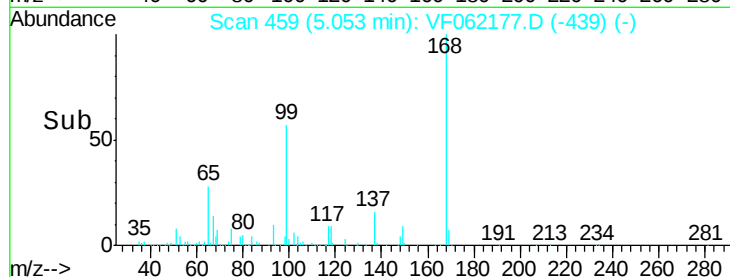
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.985 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062177.D

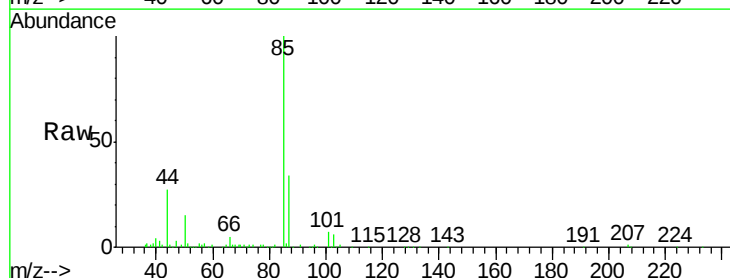
Acq: 16 Apr 2019 15:48

Tgt Ion: 85 Resp: 144618

Ion Ratio Lower Upper

85 100

87 34.4 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

50000

40000

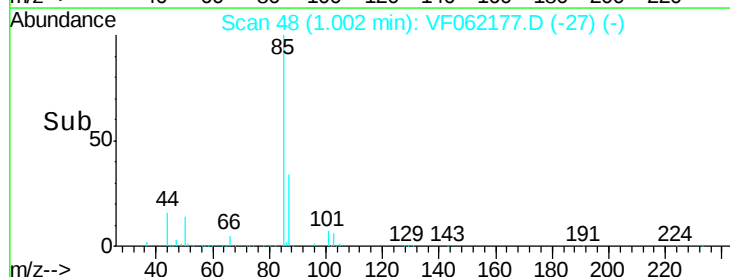
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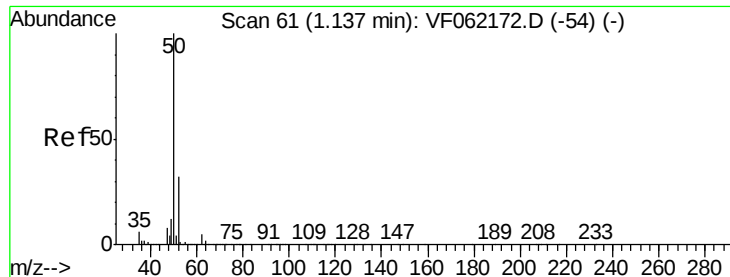
20000

10000

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Time-->





#3

Chloromethane

Concen: 25.329 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 50 Resp: 157782

Ion Ratio Lower Upper

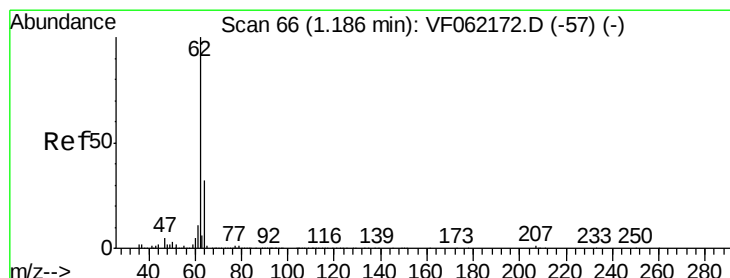
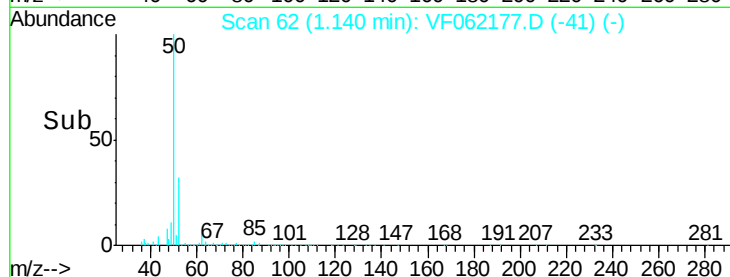
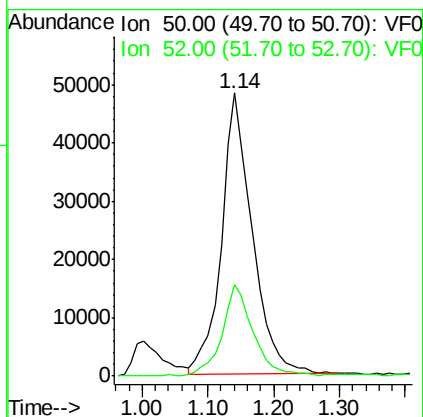
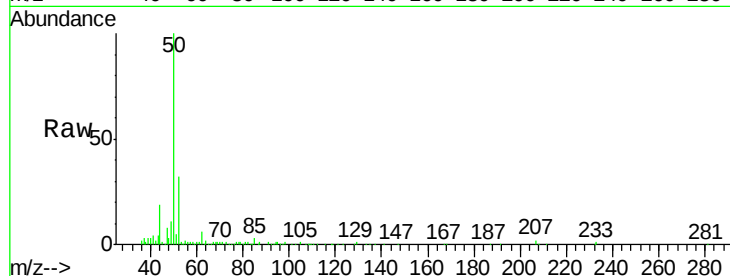
50 100

52 32.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 25.348 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062177.D

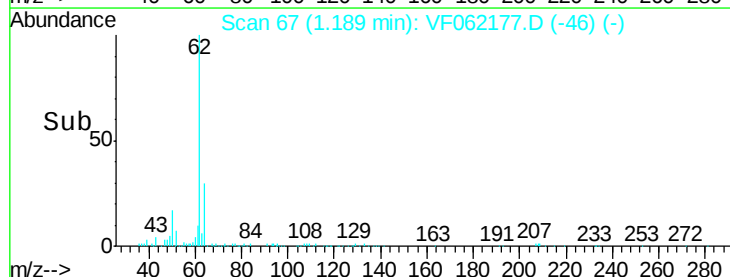
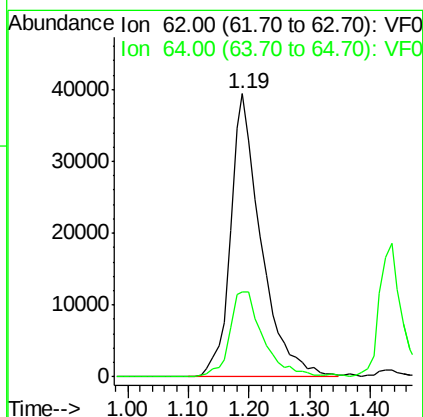
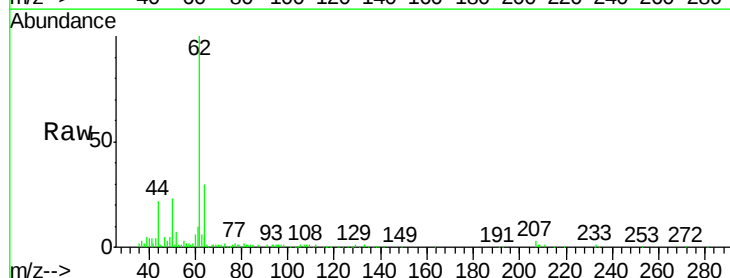
Acq: 16 Apr 2019 15:48

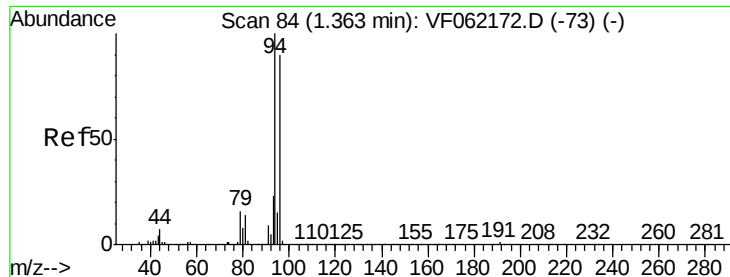
Tgt Ion: 62 Resp: 138150

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.0





#5

Bromomethane

Concen: 19.281 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 94 Resp: 67577

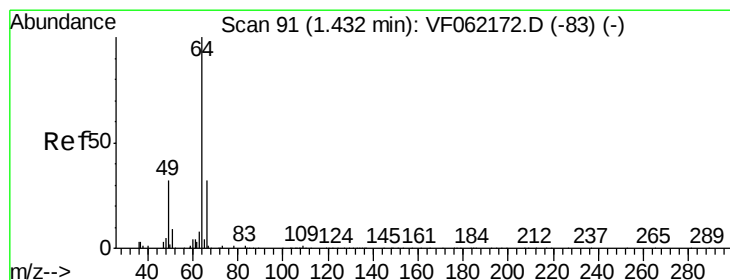
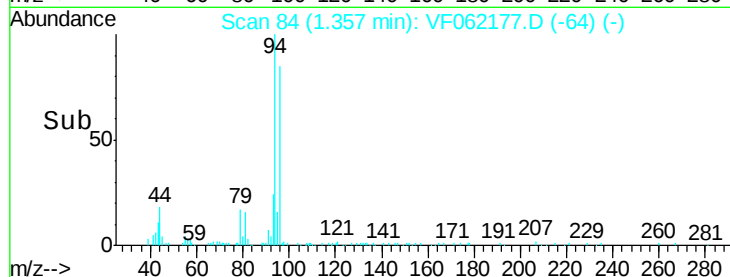
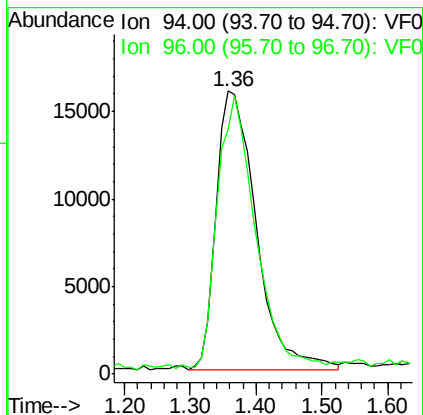
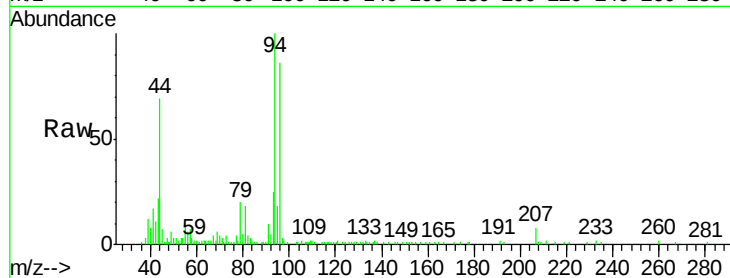
Ion Ratio Lower Upper

94 100

96 86.4 72.3 108.5

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#6

Chloroethane

Concen: 18.342 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062177.D

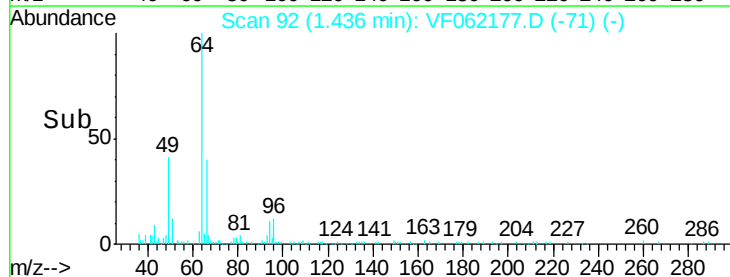
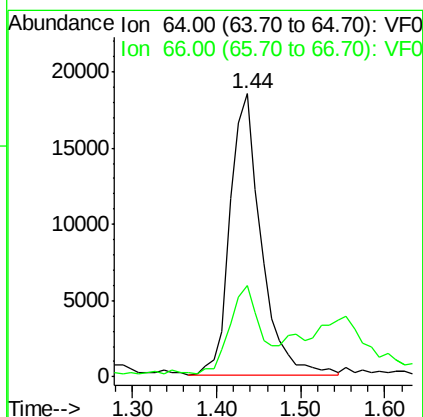
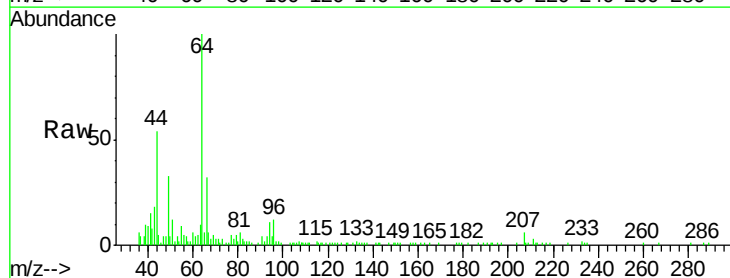
Acq: 16 Apr 2019 15:48

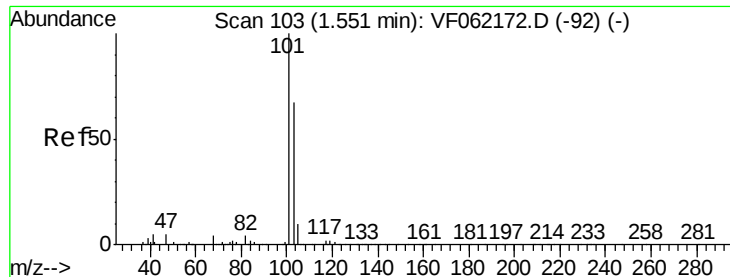
Tgt Ion: 64 Resp: 47332

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5





#7

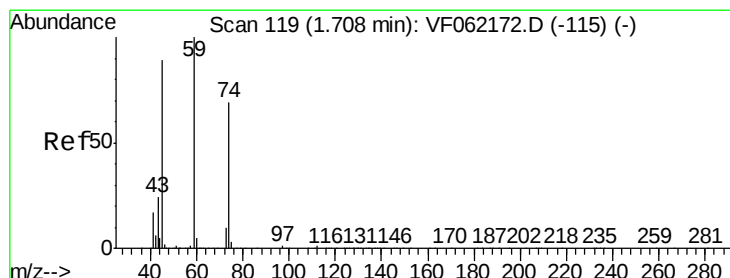
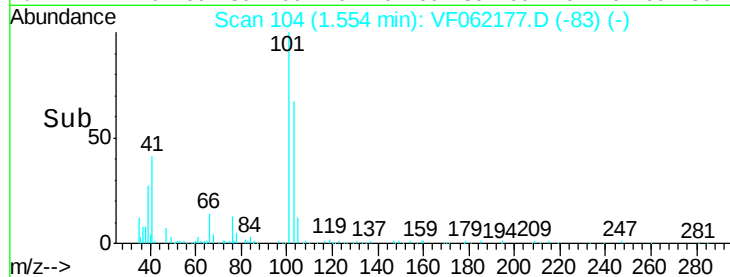
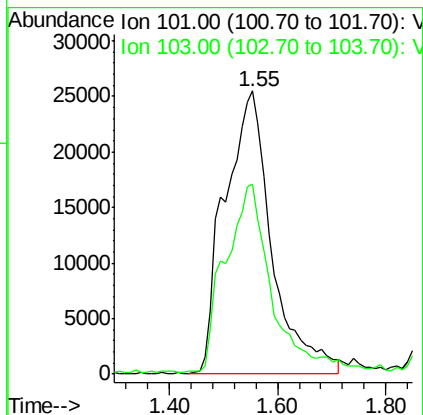
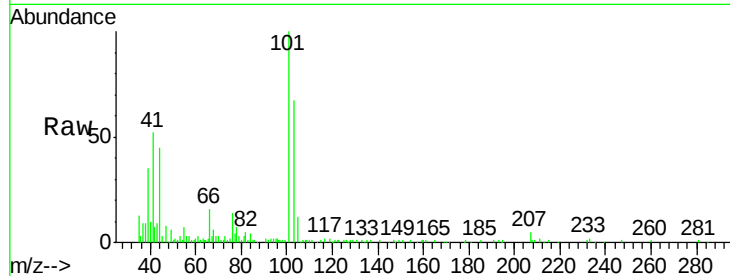
Trichlorofluoromethane
Concen: 23.727 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062177.D
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ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	53.7	80.5

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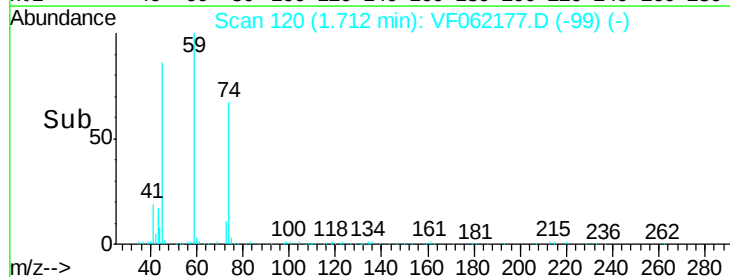
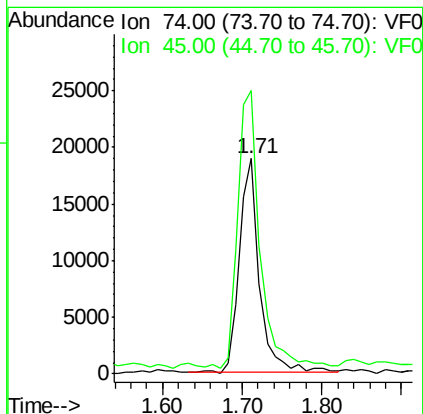
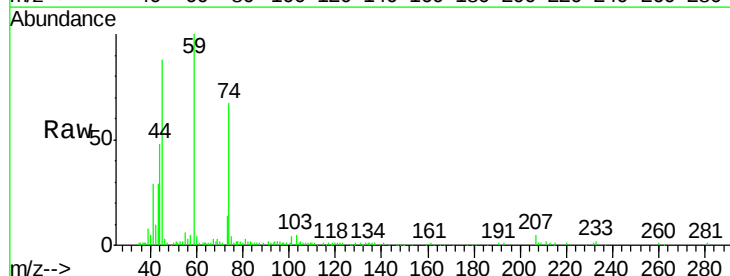
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4/17/2019 11:49:49 AM

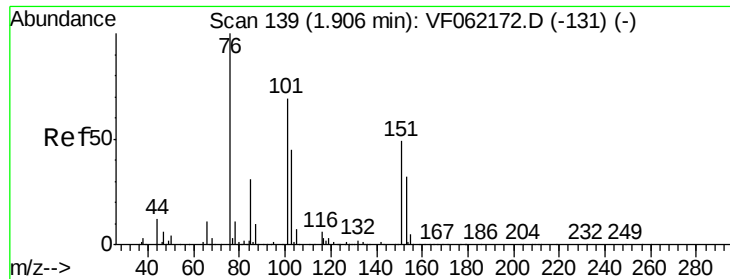


#8

Diethyl Ether
Concen: 25.354 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.5	64.7	194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.033 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

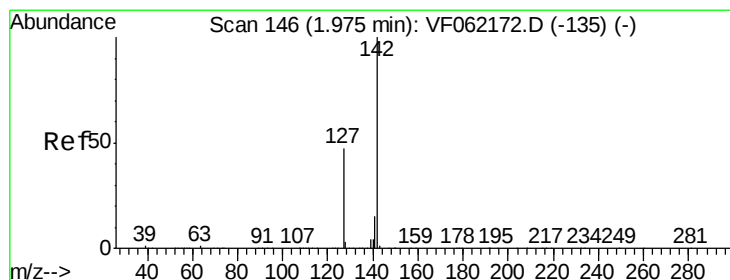
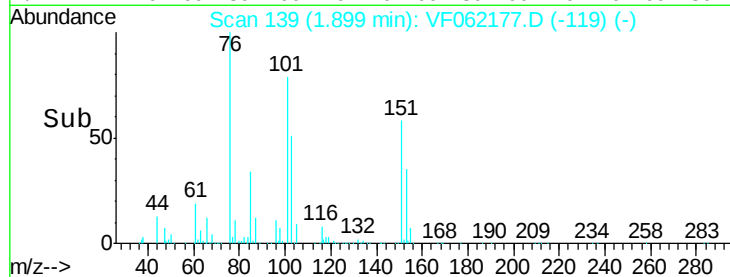
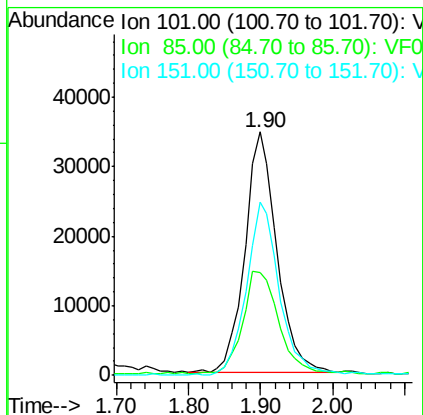
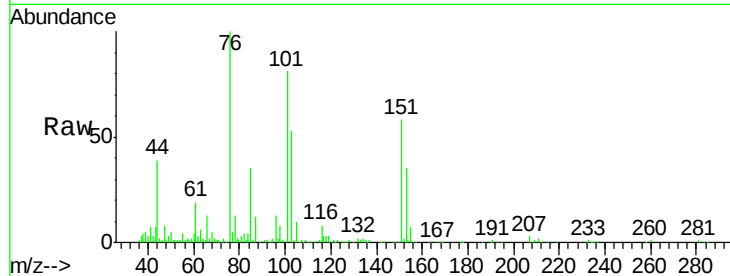
ClientSampleId :

VF0416SBS01

Tot Ion:	101	Resp:	106576
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.2	52.8
151	71.2	56.6	85.0

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#10

Methyl Iodide

Concen: 24.928 ug/l

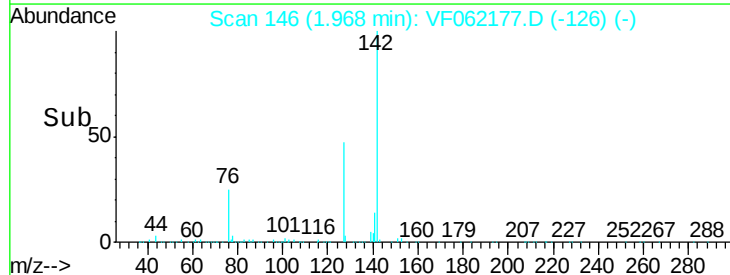
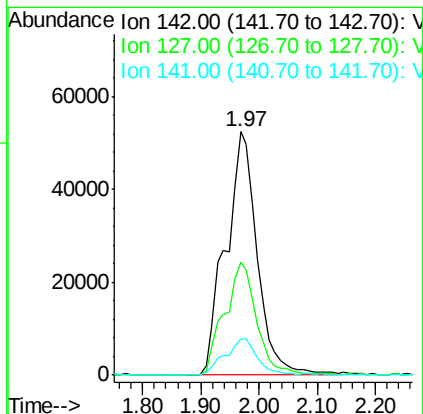
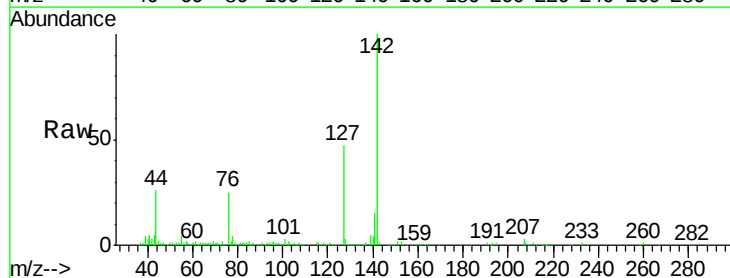
RT: 1.97 min Scan# 146

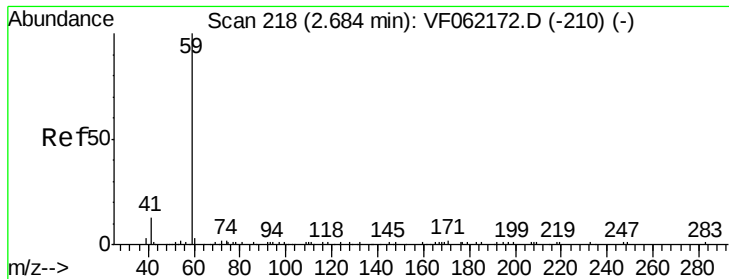
Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	142	Resp:	197560
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.8	56.6
141	14.8	12.1	18.1





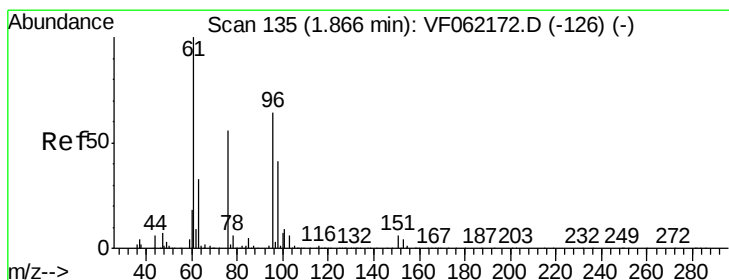
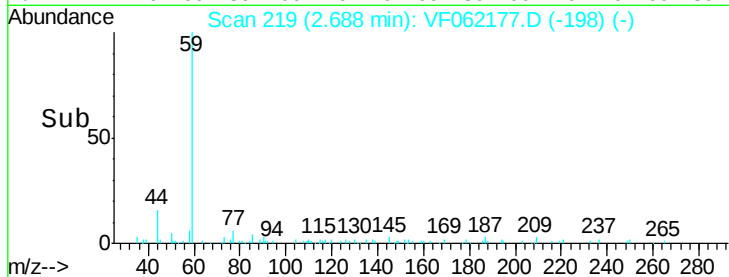
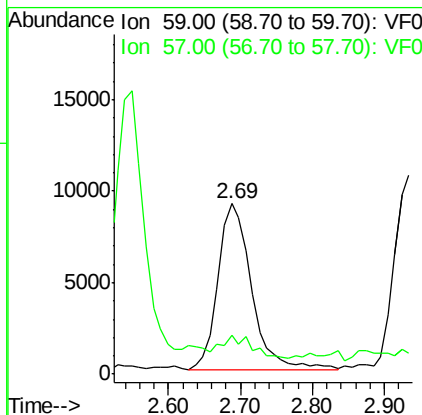
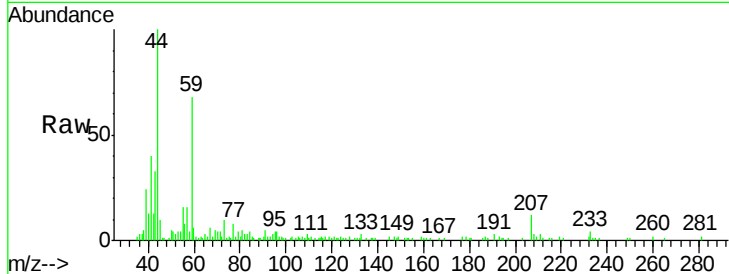
#11
Tert butyl alcohol
Concen: 150.461 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 59 Resp: 29629
Ion Ratio Lower Upper
59 100
57 22.9 14.2 21.4#

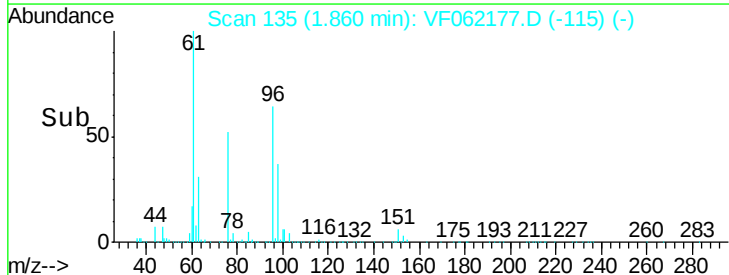
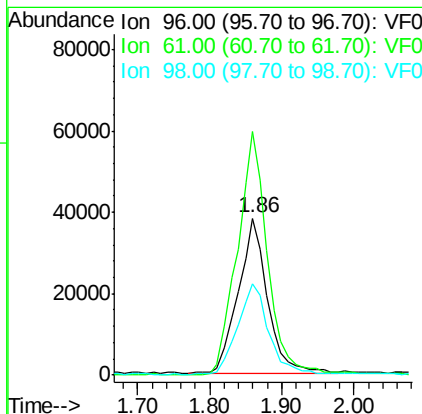
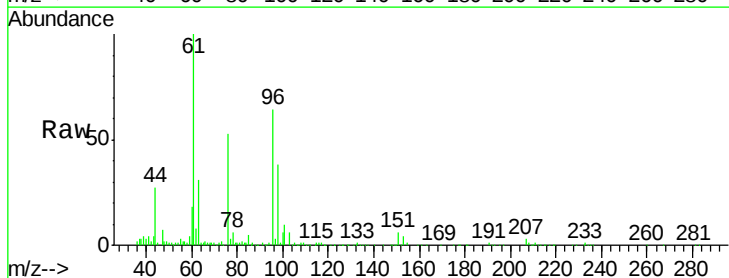
Manual Integrations
APPROVED

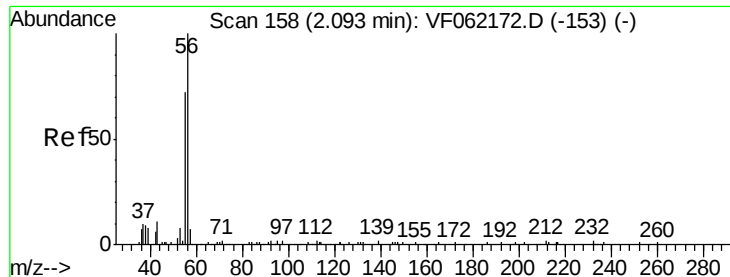
MMDadoda
4/17/2019 11:49:49 AM



#12
1,1-Dichloroethene
Concen: 25.030 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 96 Resp: 108375
Ion Ratio Lower Upper
96 100
61 155.4 124.6 187.0
98 58.4 51.5 77.3





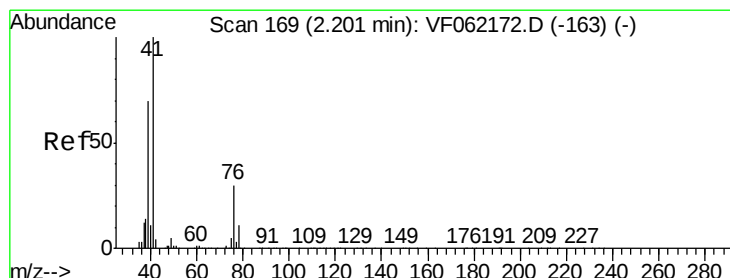
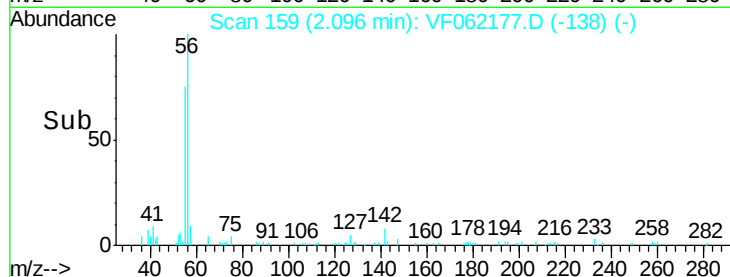
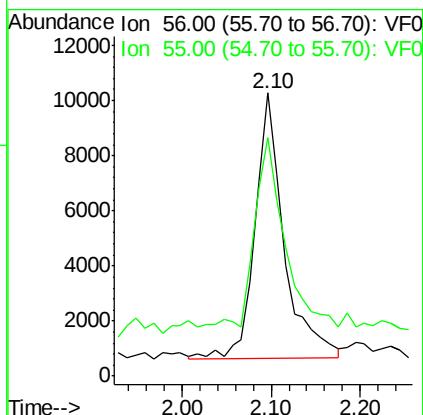
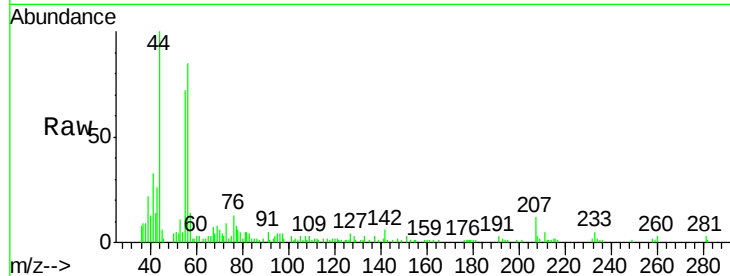
#13
Acrolein
Concen: 138.957 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	84.5	62.9	94.3

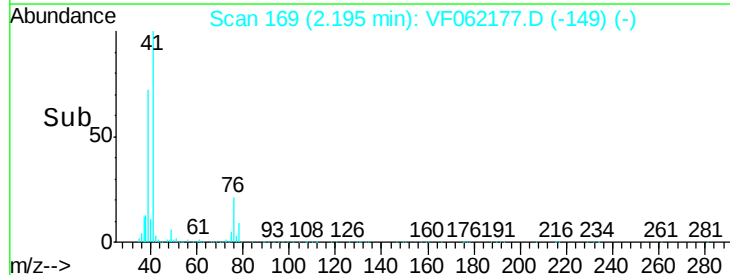
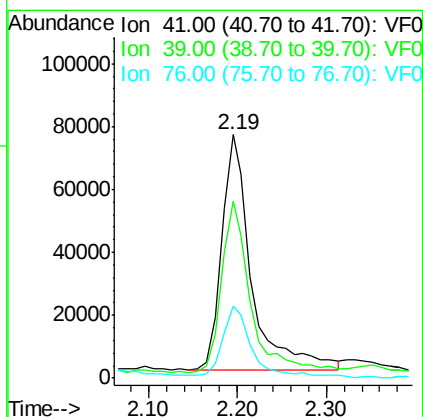
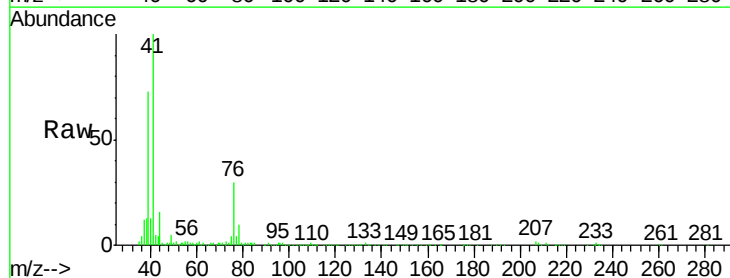
Manual Integrations
APPROVED

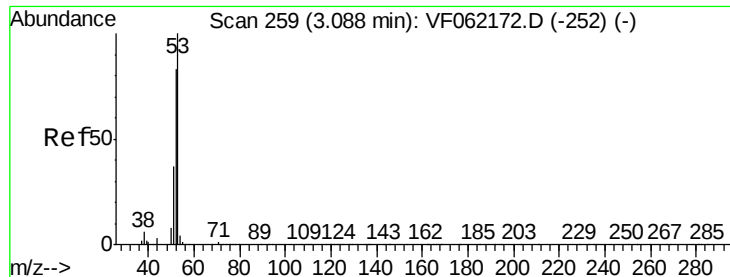
MMDadoda
4/17/2019 11:49:49 AM



#14
Allyl chloride
Concen: 27.350 ug/l
RT: 2.19 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.6	56.1	84.1
76	29.5	24.9	37.3





#15

Acrylonitrile

Concen: 123.457 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

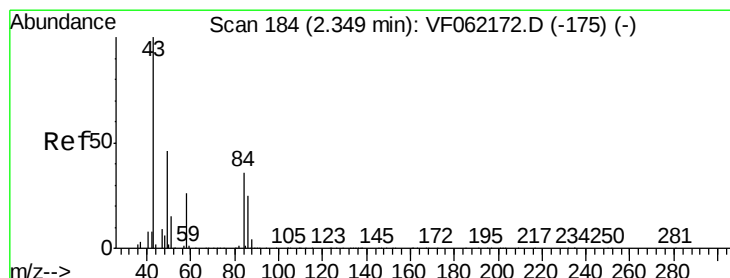
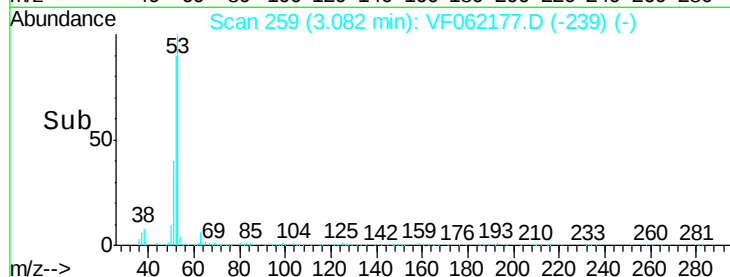
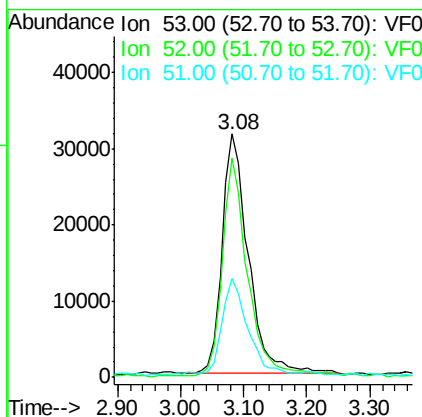
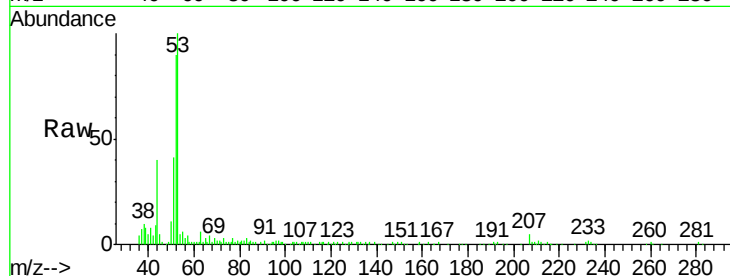
ClientSampleId :

VF0416SBS01

Tot Ion:	53	Resp:	90334
Ion Ratio	Lower	Upper	
53	100		
52	90.0	66.6	99.8
51	40.6	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 130.155 ug/l

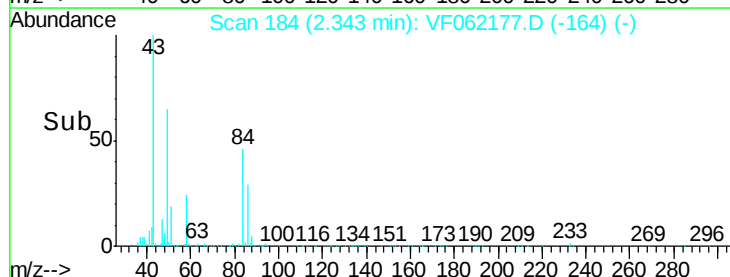
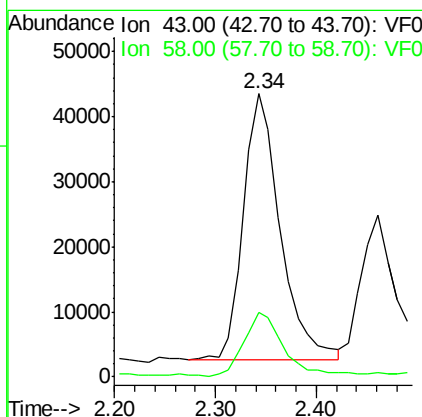
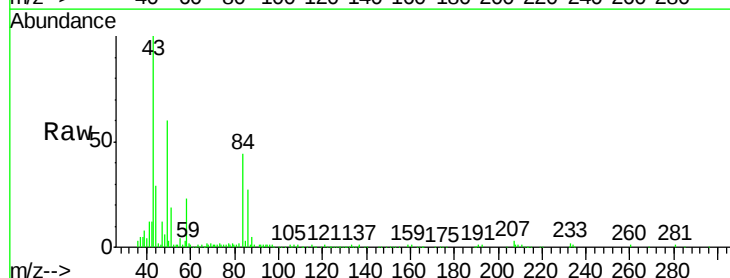
RT: 2.34 min Scan# 184

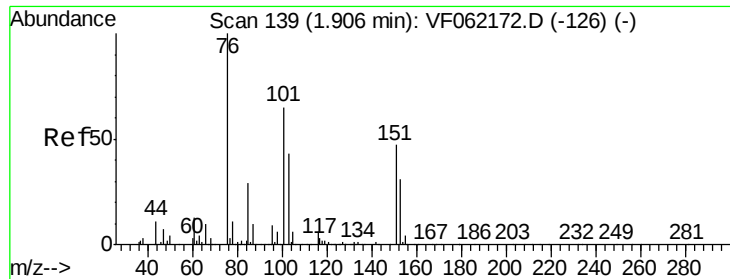
Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	43	Resp:	104255
Ion Ratio	Lower	Upper	
43	100		
58	22.9	20.2	30.2





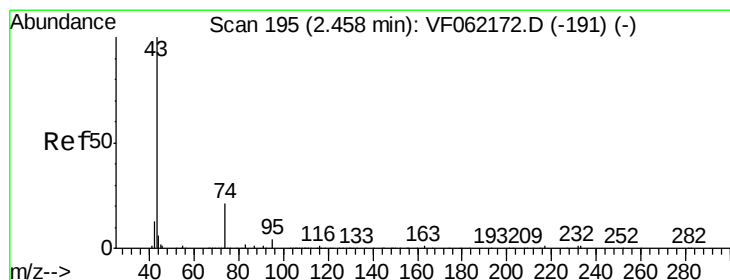
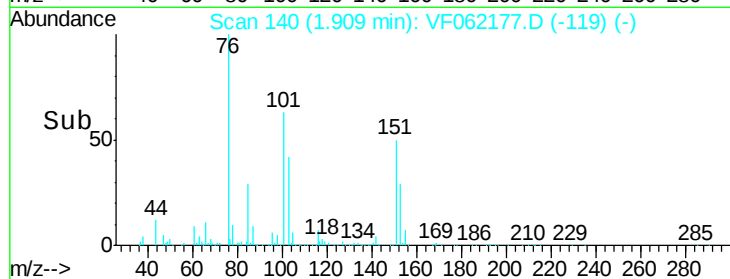
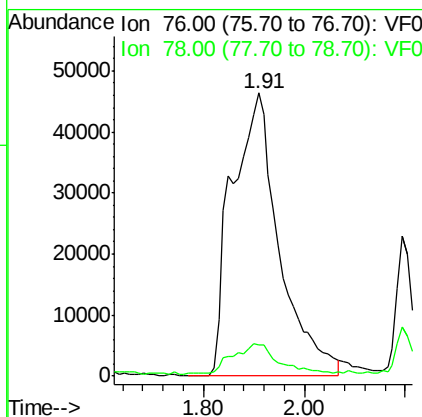
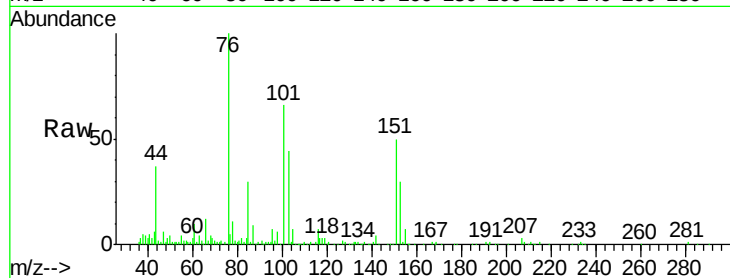
#17
Carbon Disulfide
Concen: 24.710 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 76 Resp: 303076
Ion Ratio Lower Upper
76 100
78 11.0 9.1 13.7

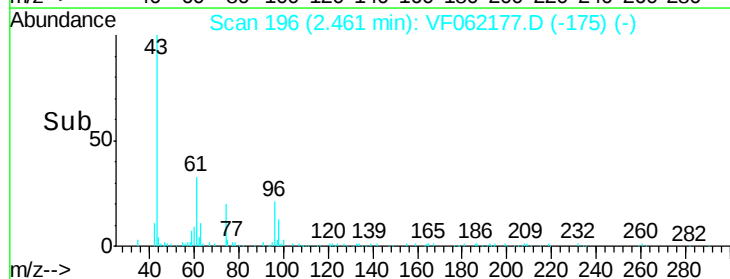
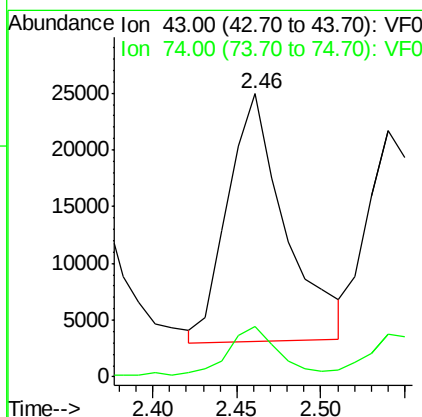
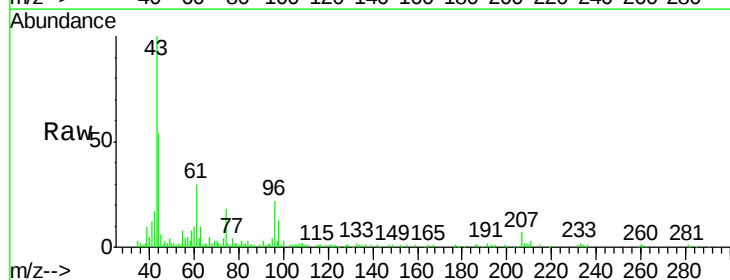
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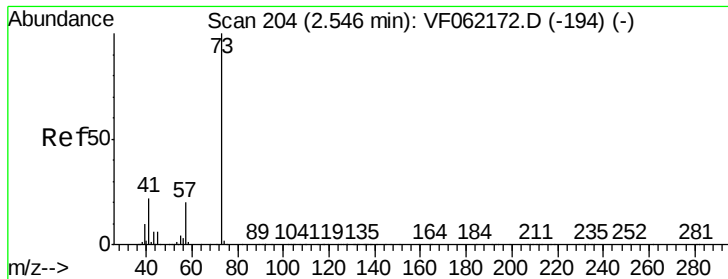
MMDadoda
4/17/2019 11:49:49 AM



#18
Methyl Acetate
Concen: 27.366 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 43 Resp: 51778
Ion Ratio Lower Upper
43 100
74 18.0 14.2 21.4





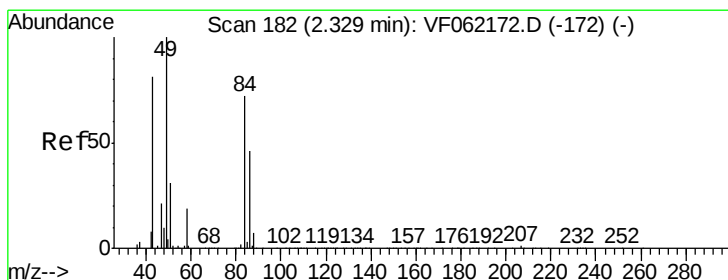
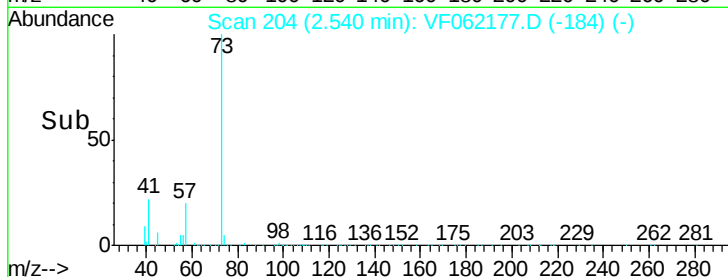
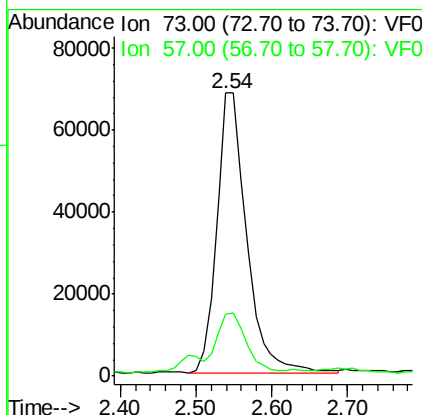
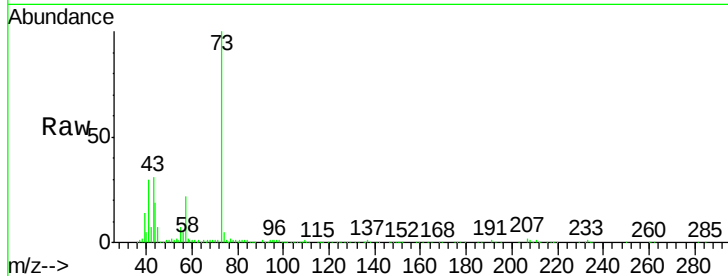
#19
Methyl tert-butyl Ether
Concen: 26.208 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

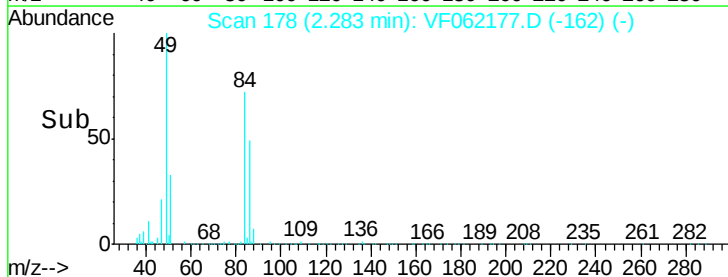
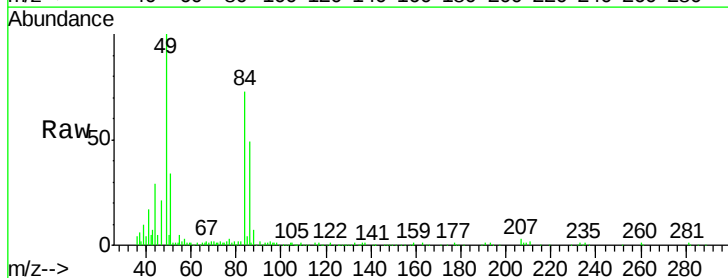
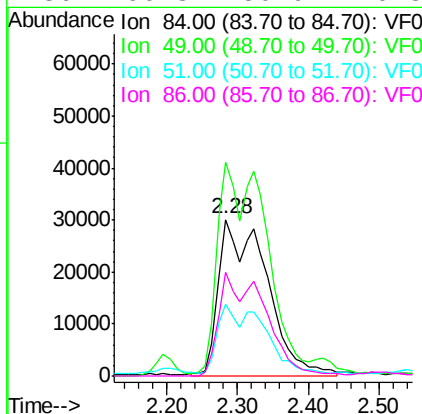
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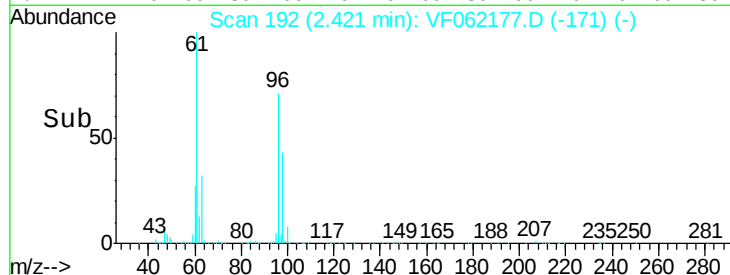
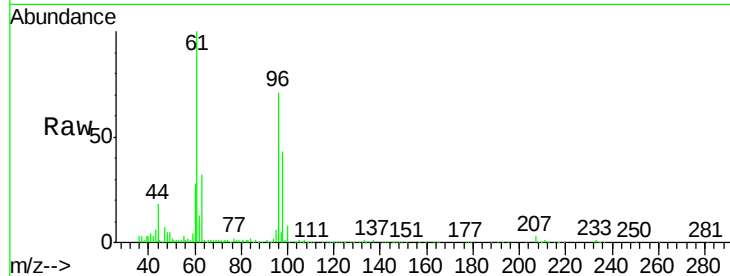
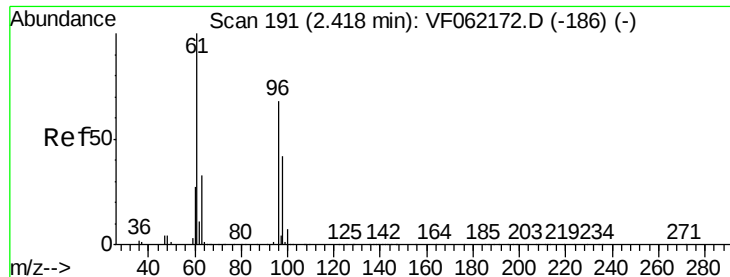
MMDadoda
4/17/2019 11:49:49 AM



#20
Methylene Chloride
Concen: 35.582 ug/l m
RT: 2.28 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	111.5	167.3
51	45.9	34.9	52.3
86	66.3	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 25.293 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062177.D

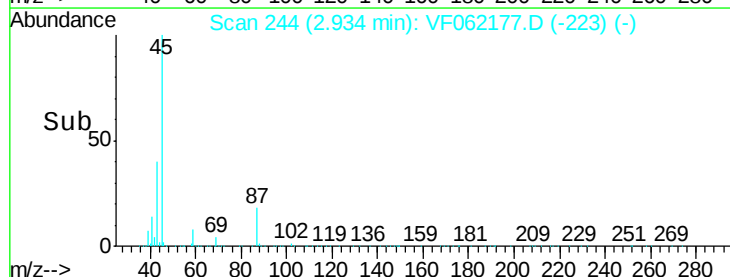
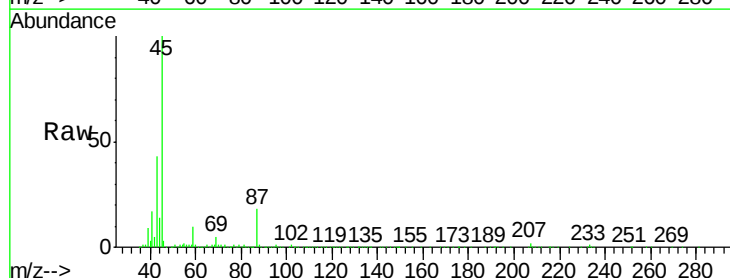
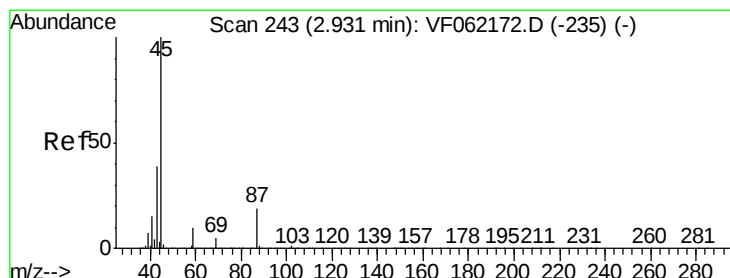
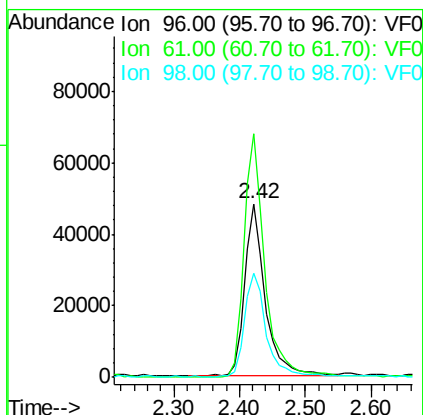
Acq: 16 Apr 2019 15:48

Tot Ion:	96	Resp:	104780
Ion	Ratio	Lower	Upper
96	100		
61	140.5	117.4	176.2
98	60.3	49.8	74.8

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 25.620 ug/l

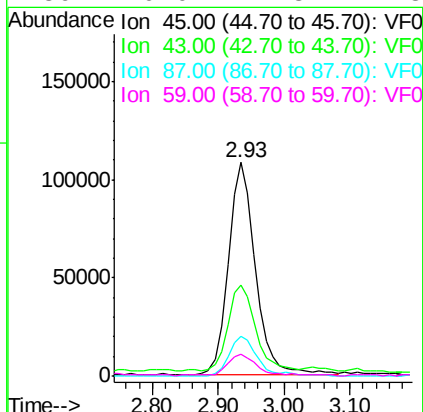
RT: 2.93 min Scan# 244

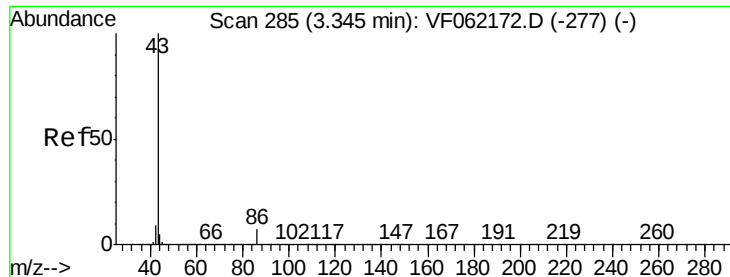
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	45	Resp:	310478
Ion	Ratio	Lower	Upper
45	100		
43	42.8	32.5	48.7
87	18.3	14.9	22.3
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 121.876 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 43 Resp: 736748

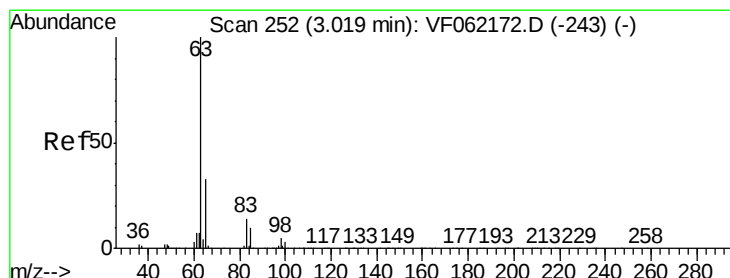
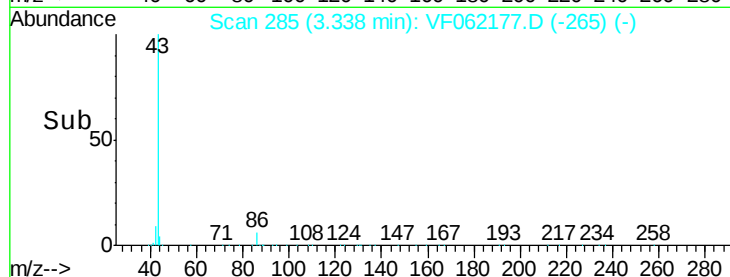
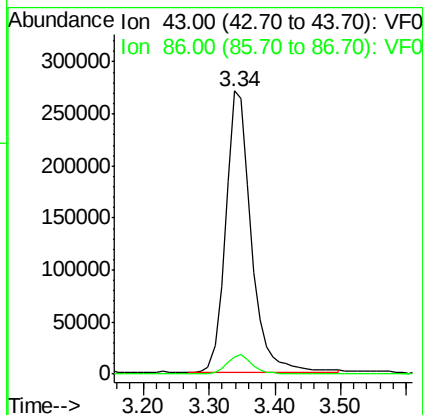
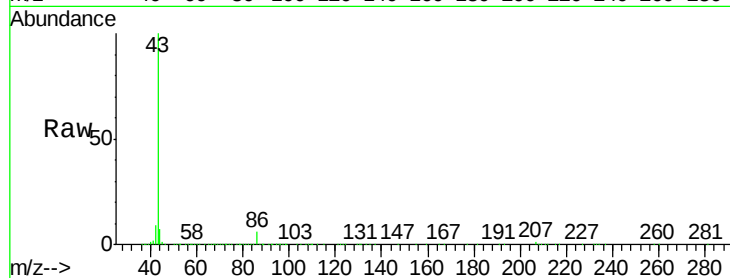
Ion Ratio Lower Upper

43 100

86 6.3 5.9 8.9

Manual Integrations
APPROVED

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4/17/2019 11:49:49 AM



#24

1,1-Dichloroethane

Concen: 25.321 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

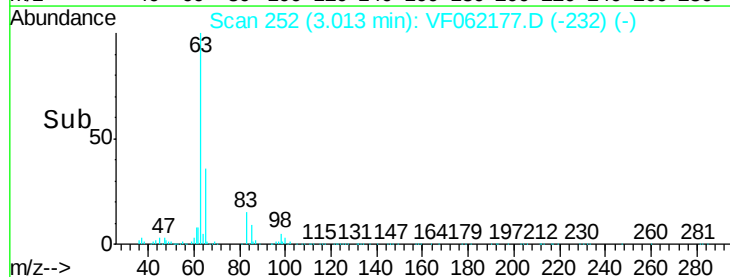
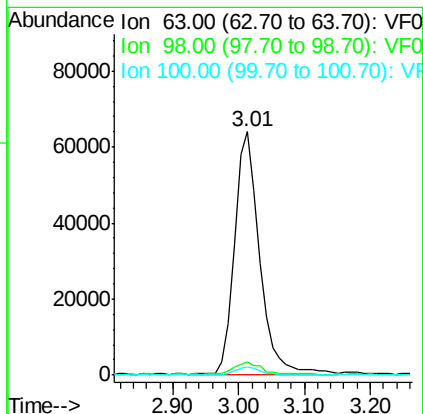
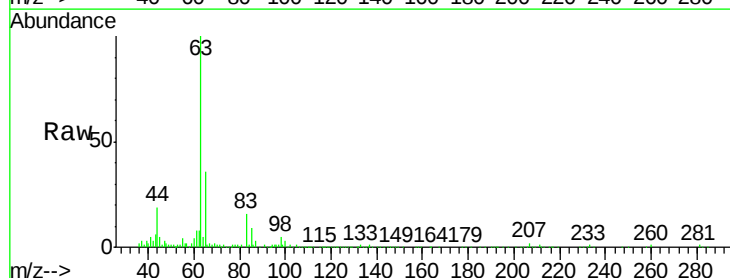
Tgt Ion: 63 Resp: 170879

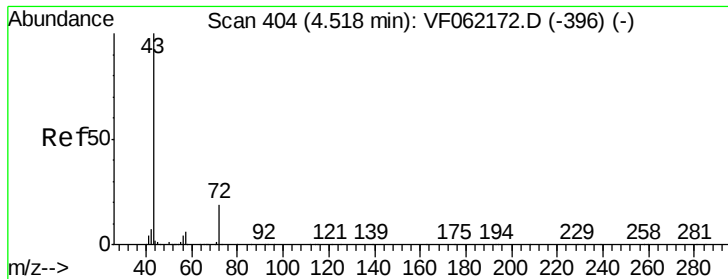
Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 119.415 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 43 Resp: 205471

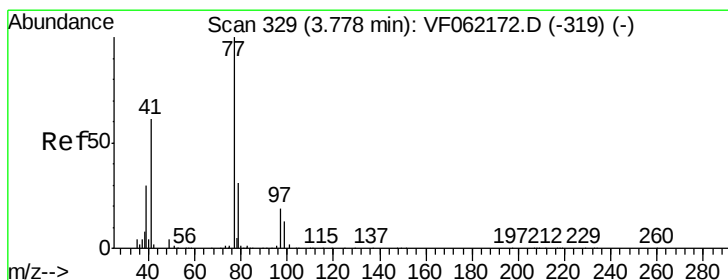
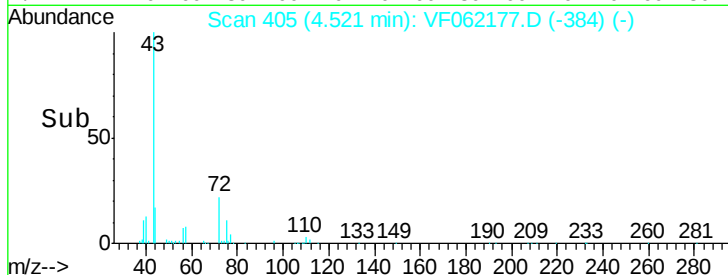
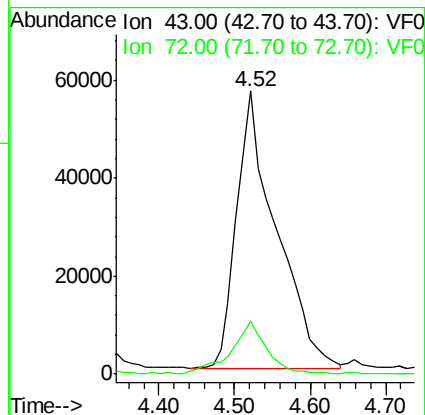
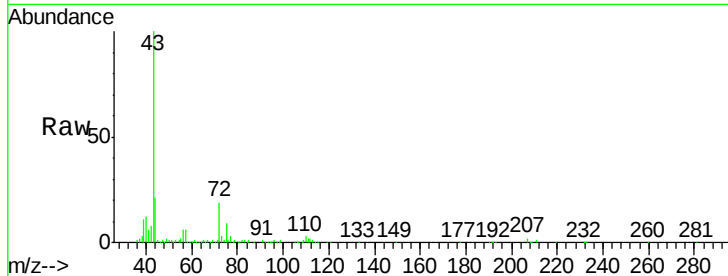
Ion Ratio Lower Upper

43 100

72 18.9 15.4 23.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 27.239 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062177.D

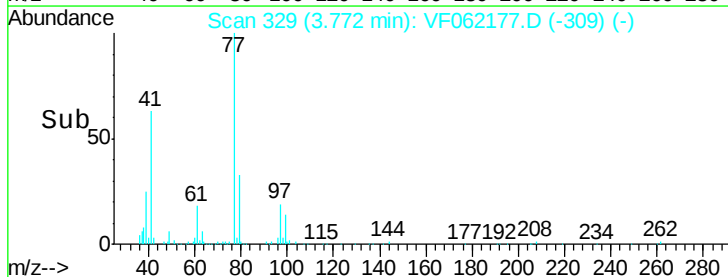
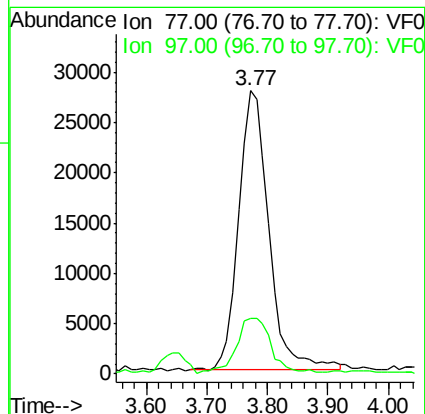
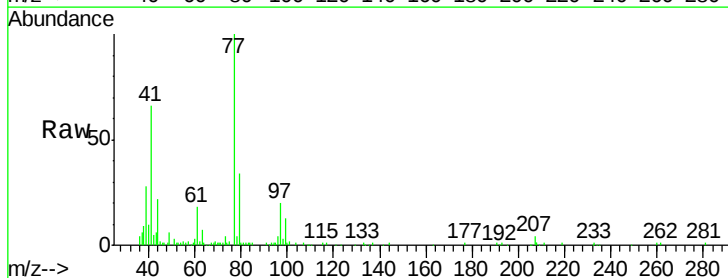
Acq: 16 Apr 2019 15:48

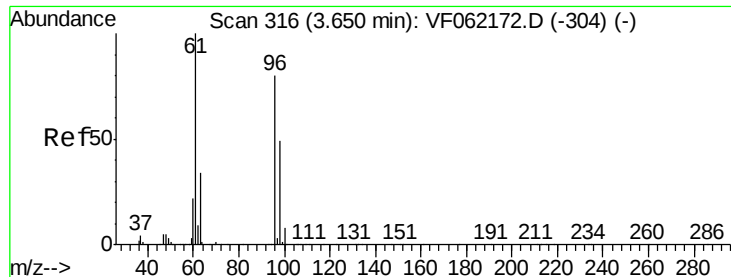
Tgt Ion: 77 Resp: 96688

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.9





#27

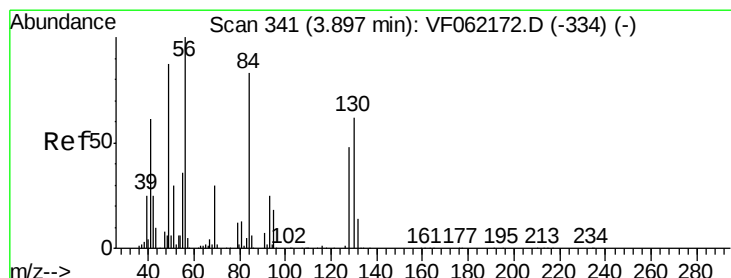
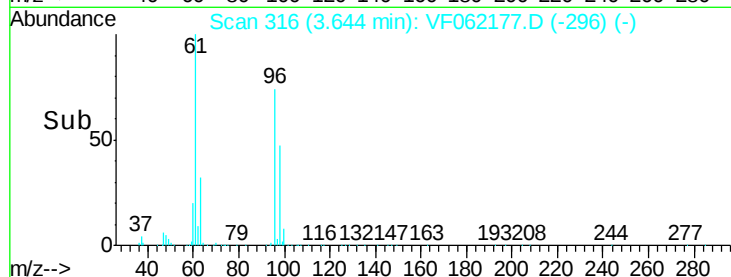
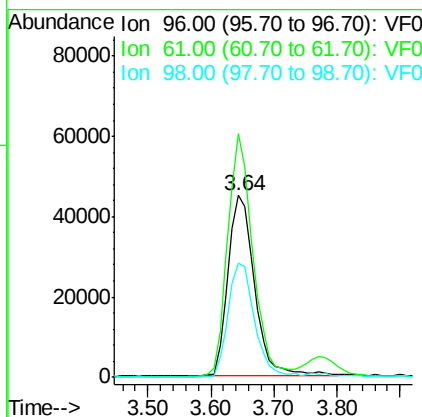
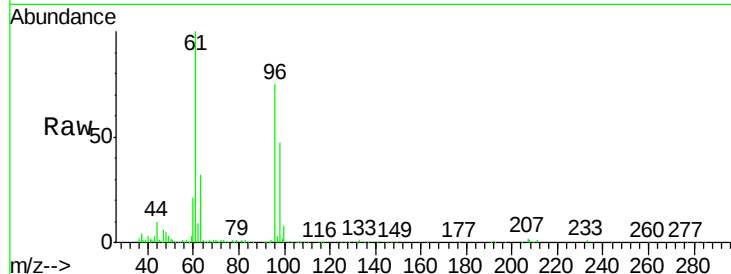
cis-1,2-Dichloroethene
 Concen: 23.920 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131537		
61	134.1	0.0	248.2	
98	62.9	0.0	122.4	

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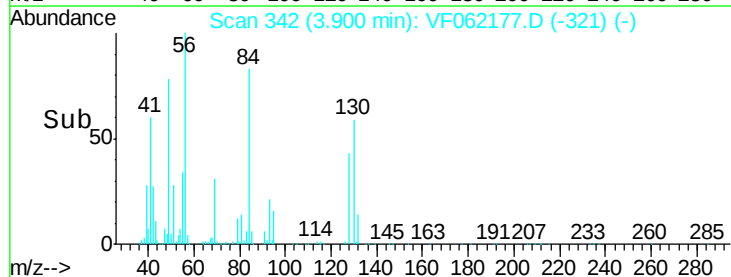
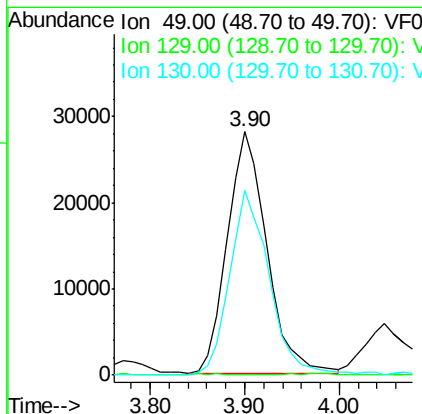
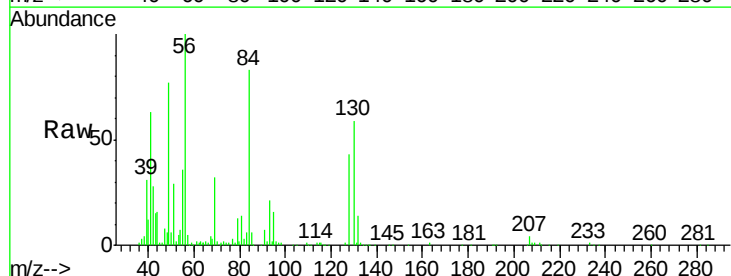
MMDadoda
 4/17/2019 11:49:49 AM

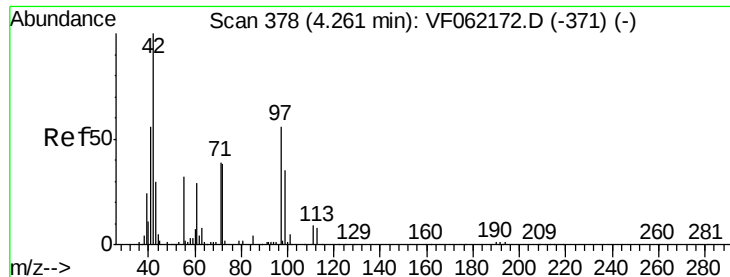


#28

Bromochloromethane
 Concen: 25.173 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81349		
129	0.0	0.0	0.0	
130	76.1	56.5	84.7	





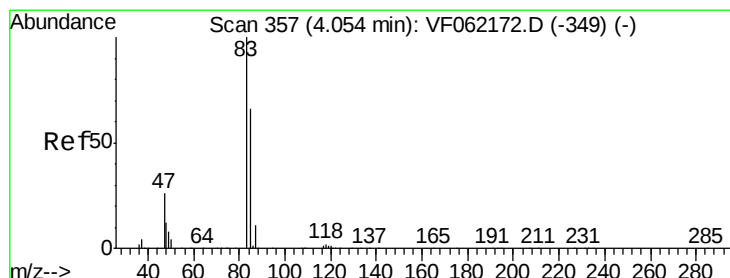
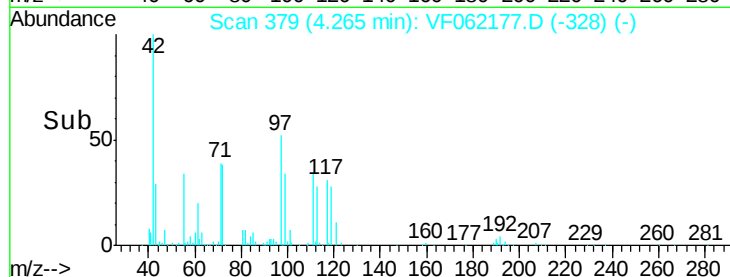
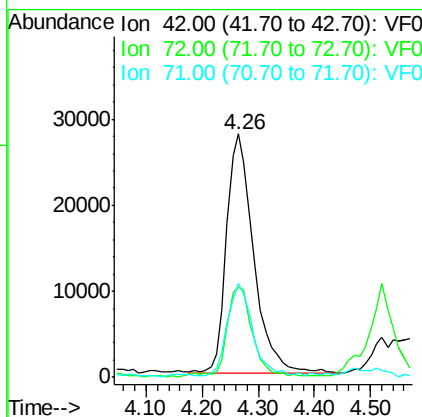
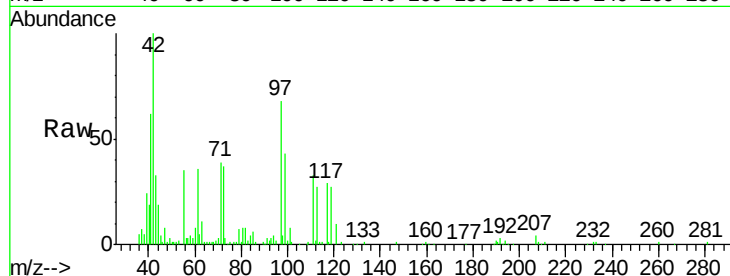
#29
Tetrahydrofuran
Concen: 121.238 ug/l
RT: 4.26 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.7	43.1
71	35.5	30.8	46.2

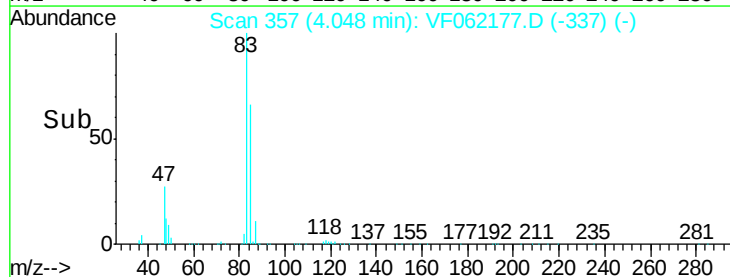
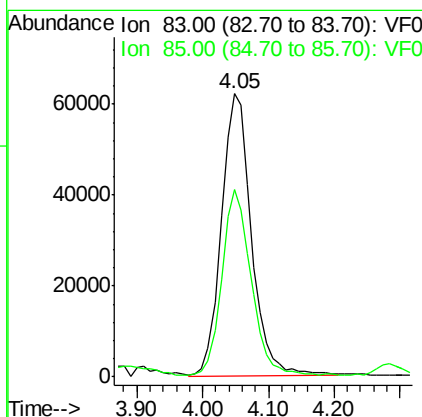
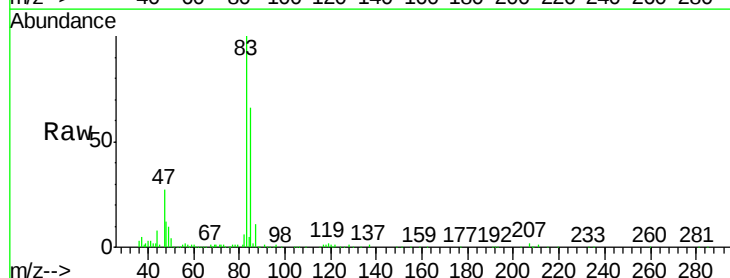
Manual Integrations
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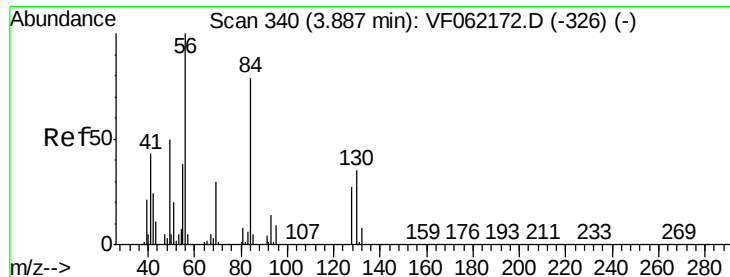
MMDadoda
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#30
Chloroform
Concen: 23.507 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.5	80.3





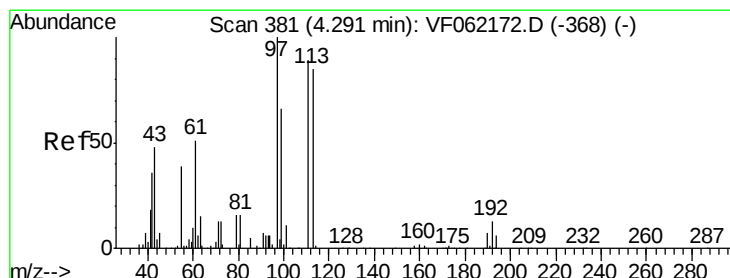
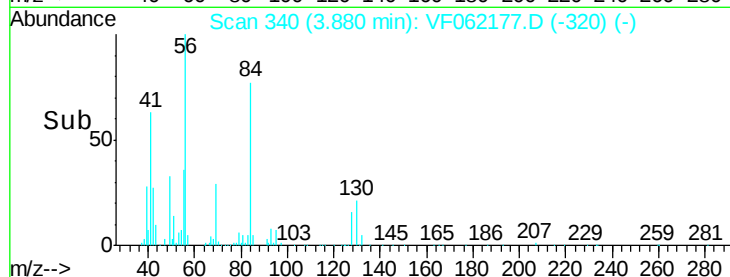
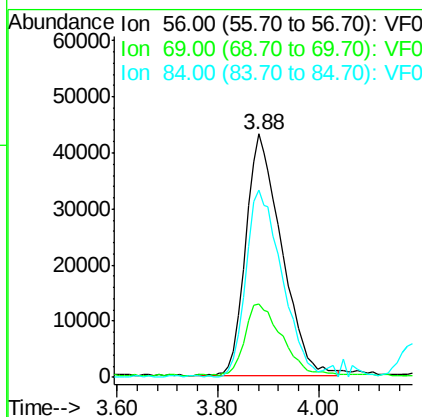
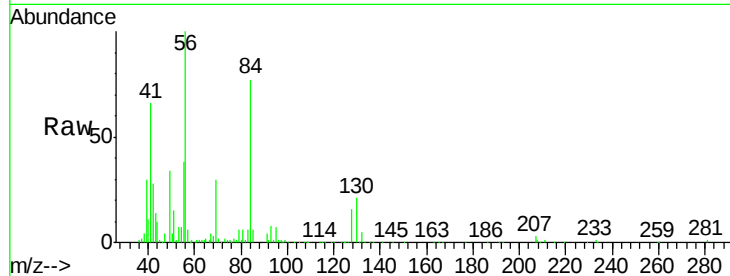
#31
Cvclohexane
Concen: 24.340 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	76.7	63.4	95.2

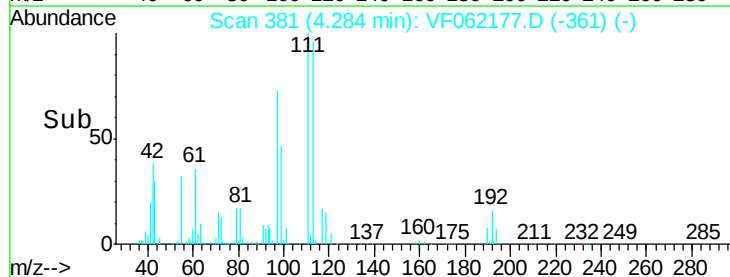
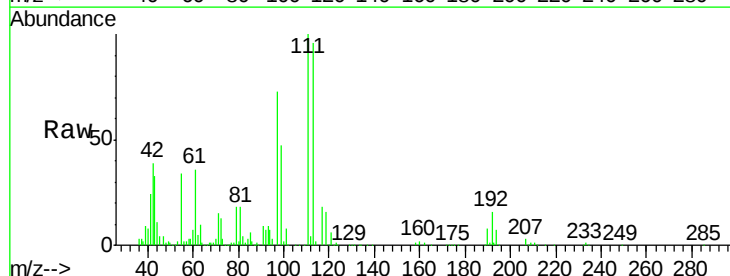
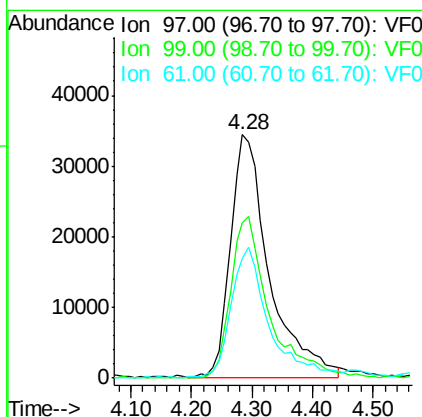
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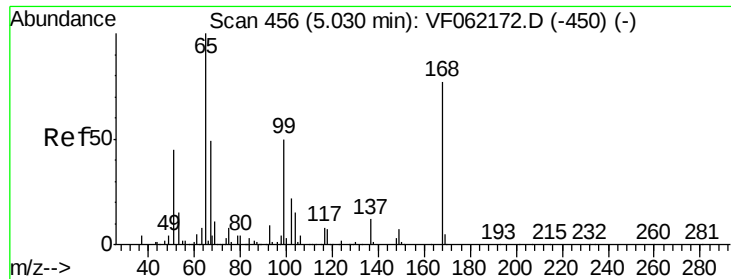
MMDadoda
4/17/2019 11:49:49 AM



#32
1,1,1-Trichloroethane
Concen: 26.651 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.3	78.5
61	48.9	40.9	61.3





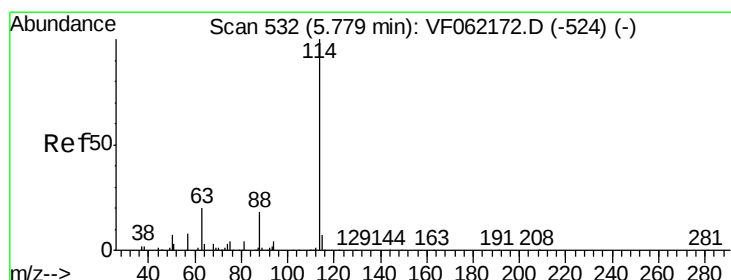
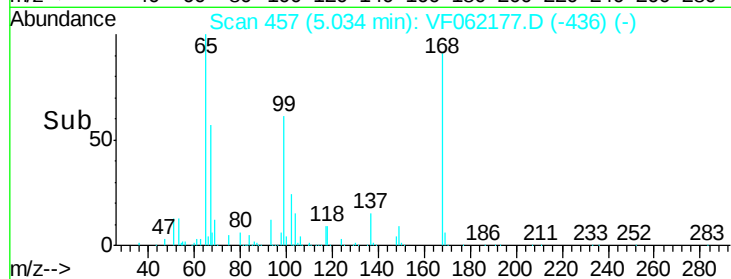
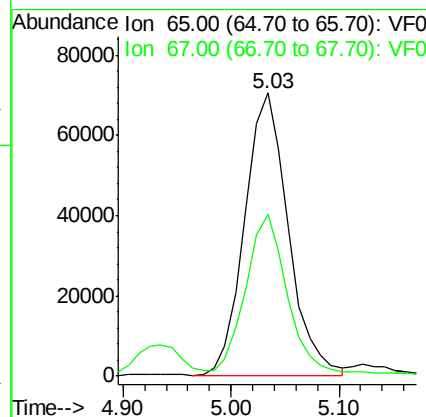
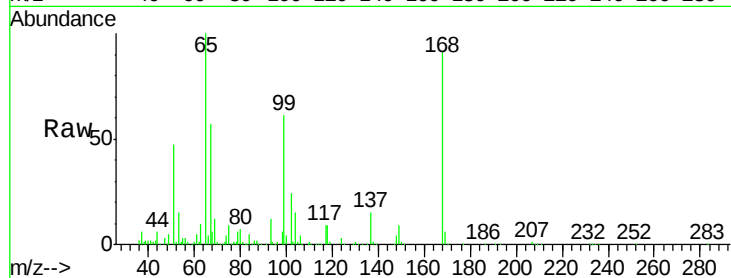
#33
 1,2-Dichloroethane-d4
 Concen: 55.544 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197321		
67	57.0	0.0	107.8	

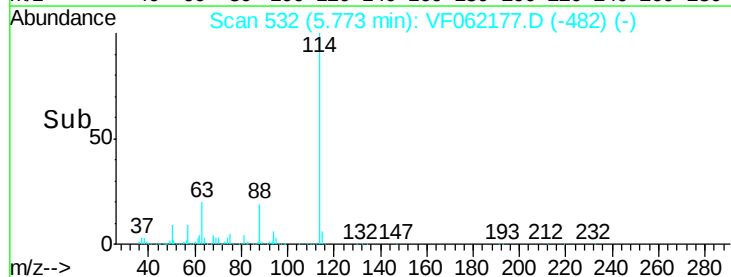
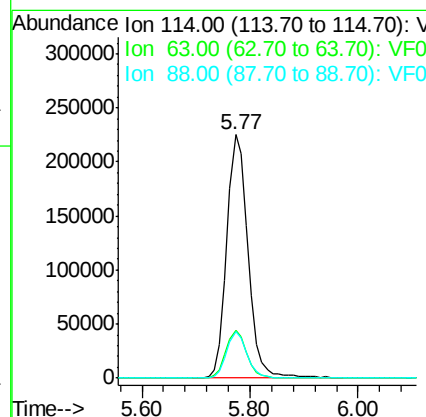
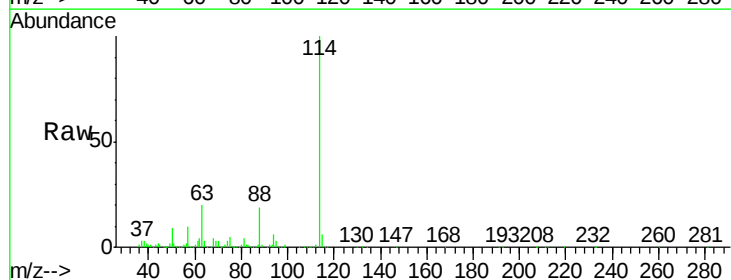
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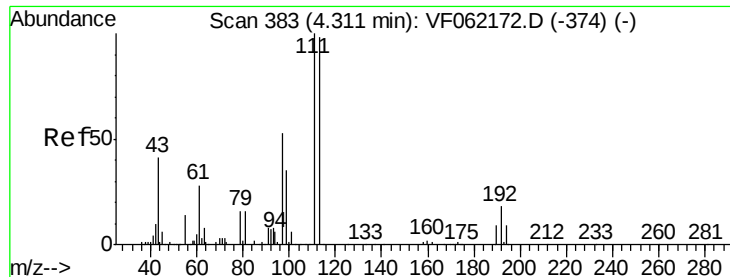
MMDadoda
 4/17/2019 11:49:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	612891		
63	19.7	0.0	40.0	
88	19.0	0.0	36.6	





#35

Dibromofluoromethane

Concen: 56.454 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

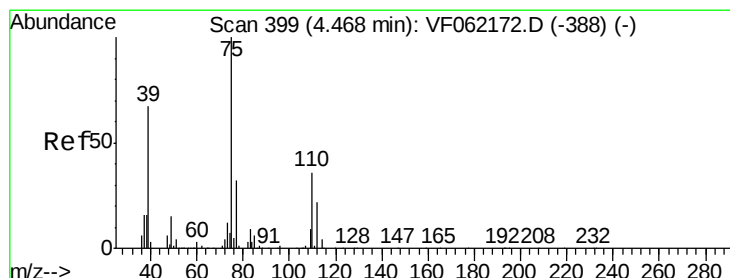
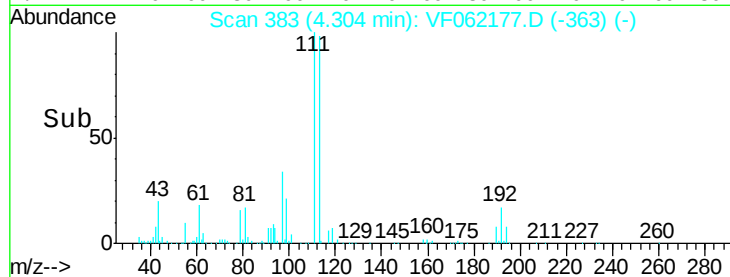
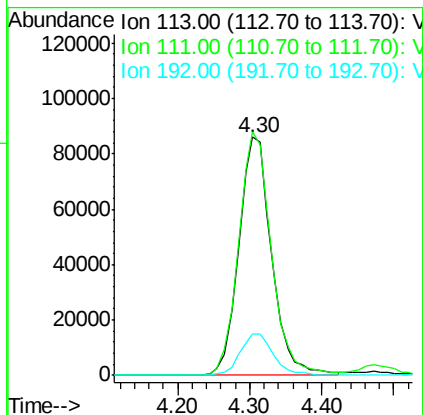
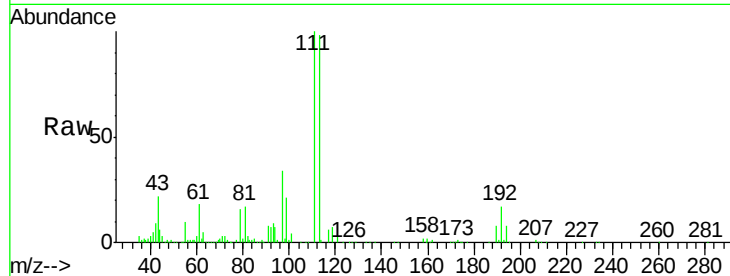
ClientSampleId :

VF0416SBS01

Tot Ion:	113	Resp:	272937
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	17.5	15.0	22.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.887 ug/l

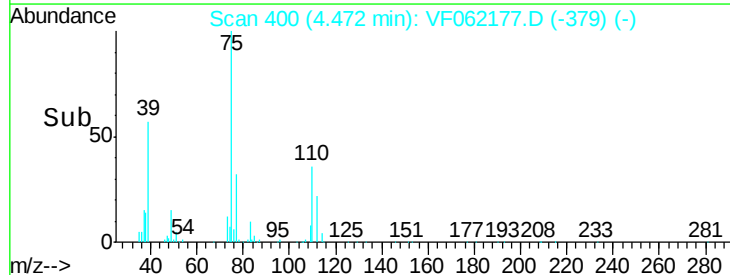
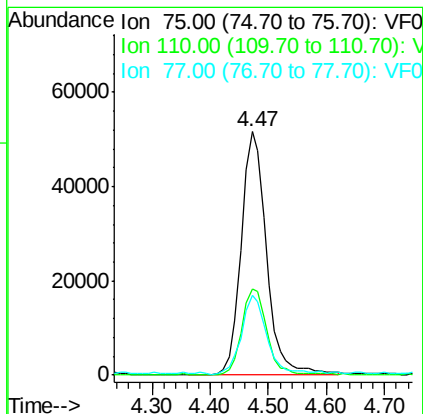
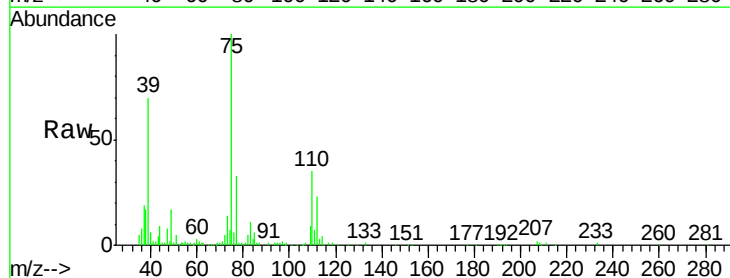
RT: 4.47 min Scan# 400

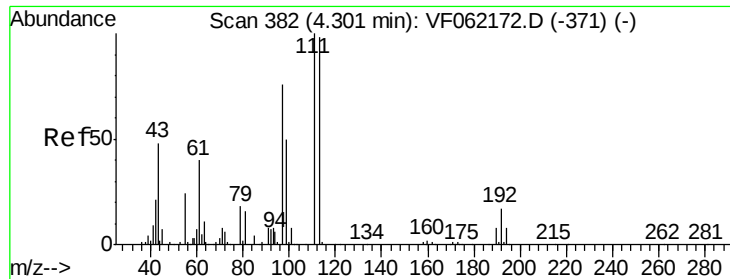
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	75	Resp:	155852
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.9	53.8
77	32.9	25.6	38.4





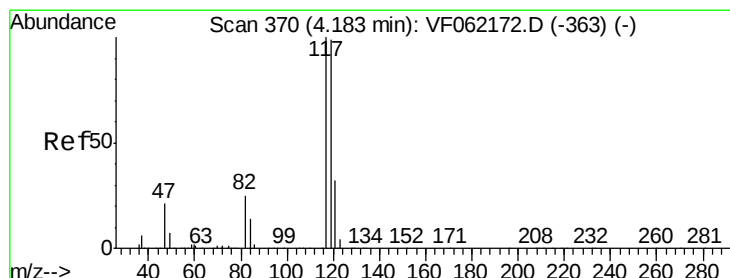
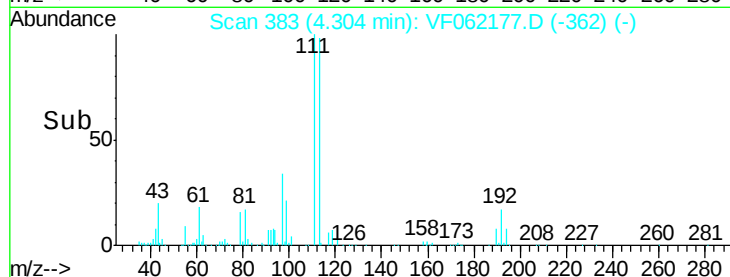
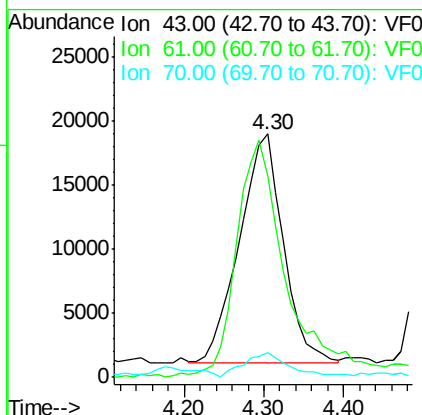
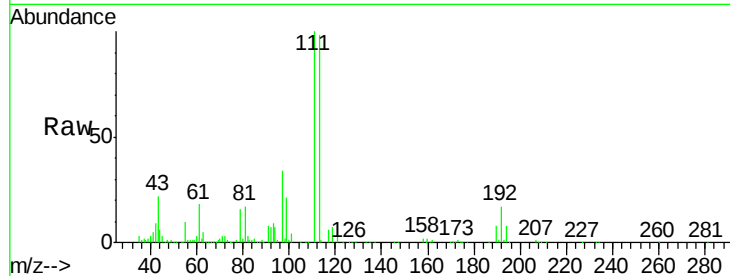
#37
Ethyl Acetate
Concen: 21.716 ug/l
RT: 4.30 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	82.5	64.9	97.3
70	10.0	7.8	11.8

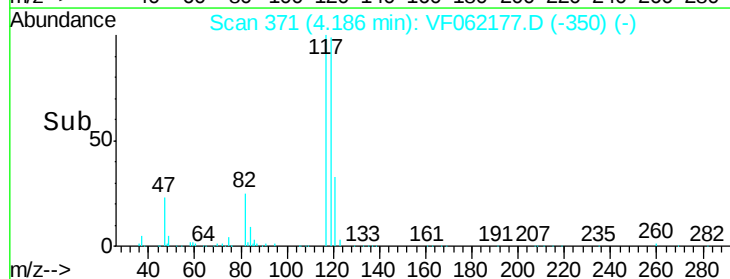
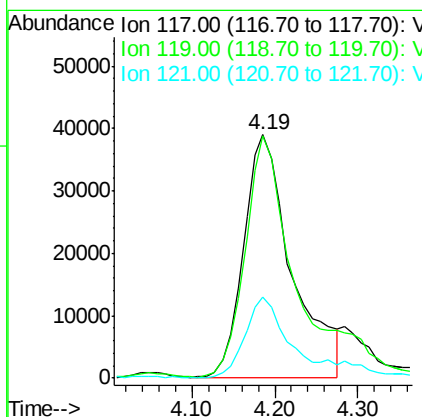
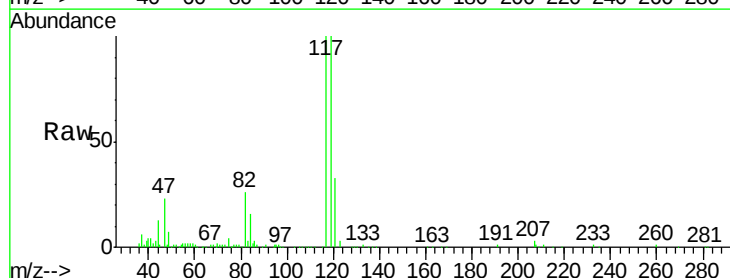
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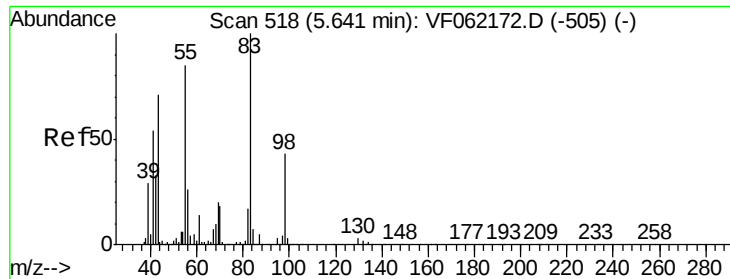
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#38
Carbon Tetrachloride
Concen: 27.134 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	78.9	118.3
121	33.4	25.3	37.9





#39

Methvlcvclohexane

Concen: 24.818 ug/l

RT: 5.63 min Scan# 518

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

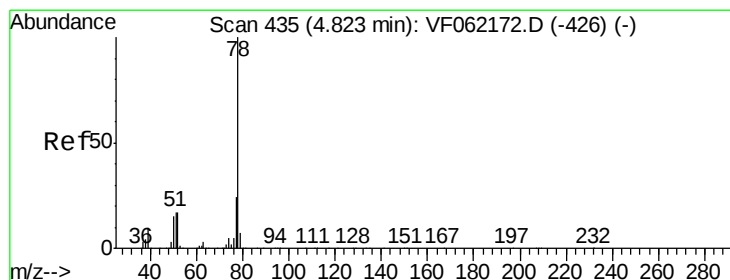
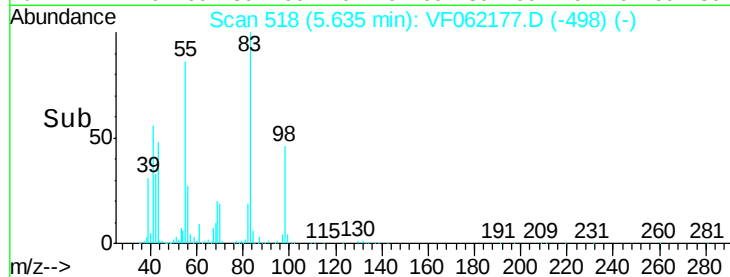
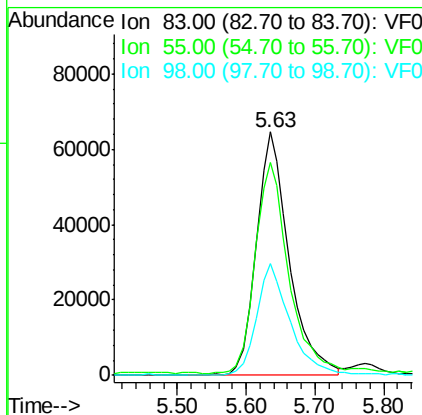
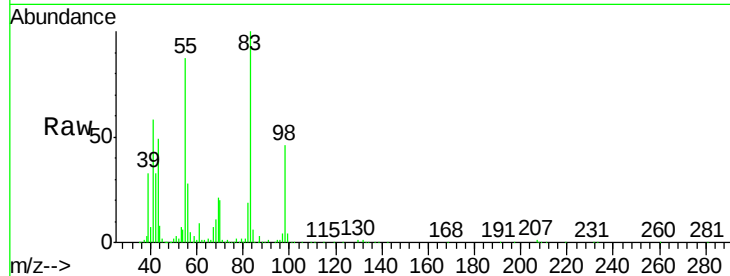
ClientSampleId :

VF0416SBS01

Tot Ion:	83	Resp:	211782
Ion Ratio	Lower	Upper	
83	100		
55	87.2	68.2	102.2
98	46.0	34.4	51.6

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#40

Benzene

Concen: 23.768 ug/l

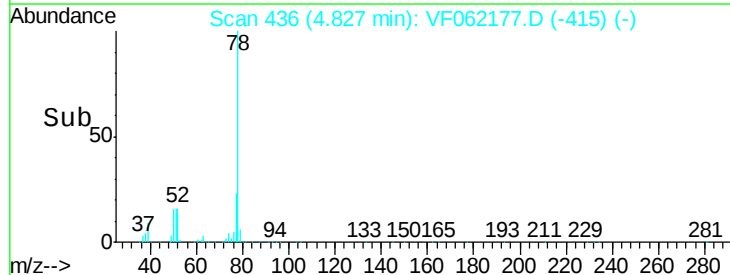
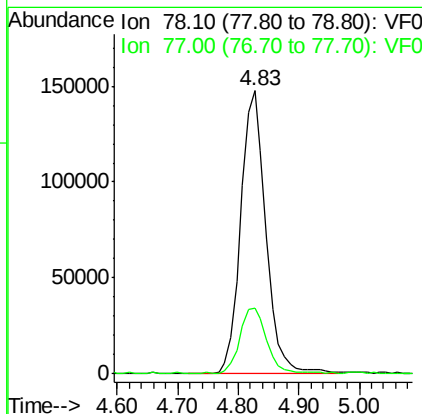
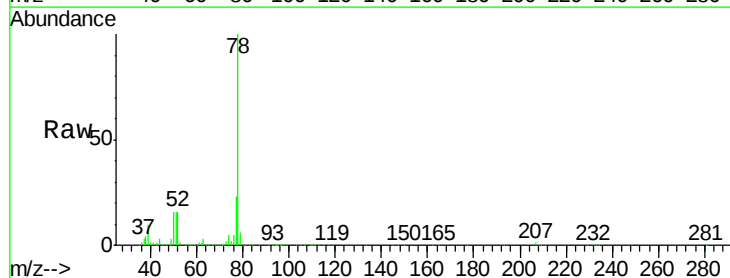
RT: 4.83 min Scan# 436

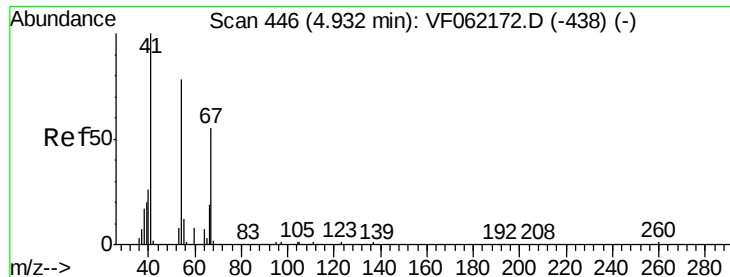
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	78	Resp:	427534
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.1	28.7





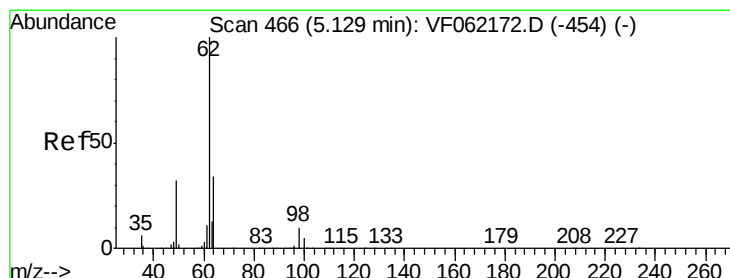
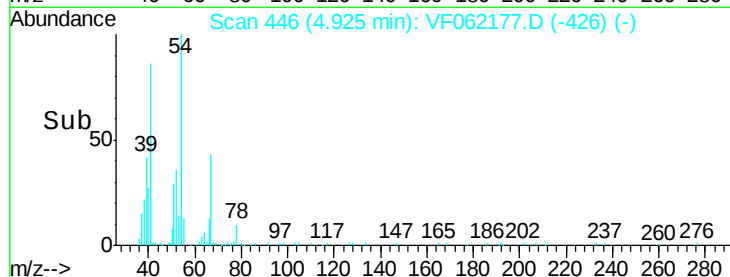
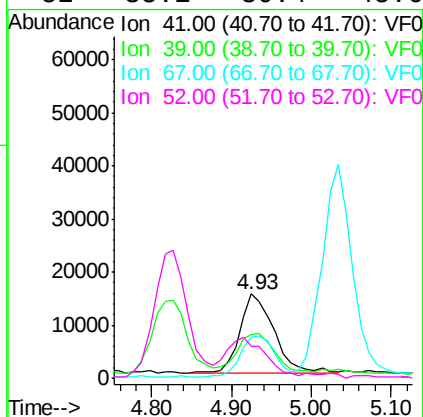
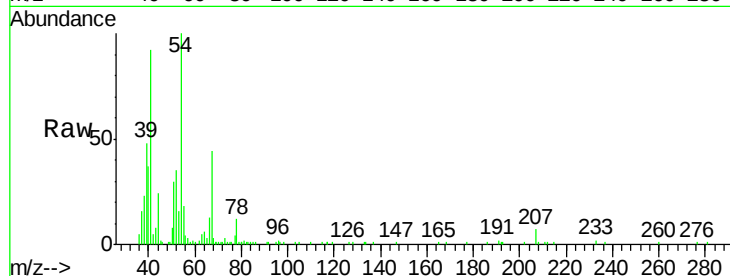
#41
Methacrylonitrile
Concen: 23.425 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ion	Ratio	Lower	Upper
44164	41	100		
	39	51.7	43.5	65.3
	67	47.9	42.9	64.3
	52	38.1	30.4	45.6

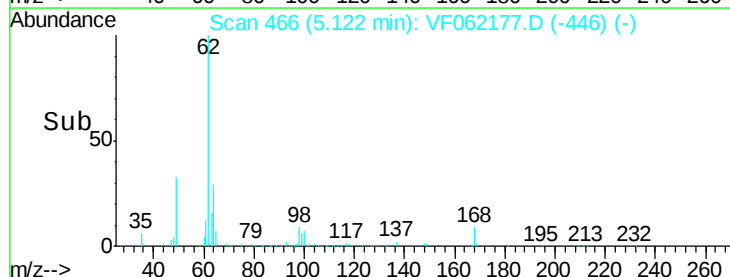
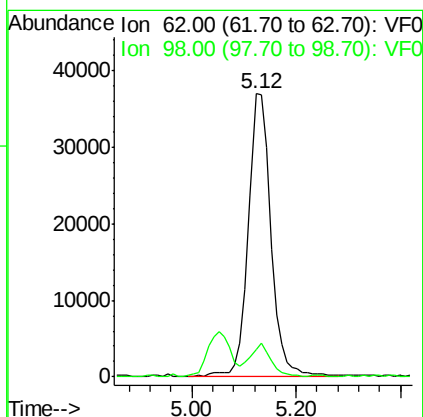
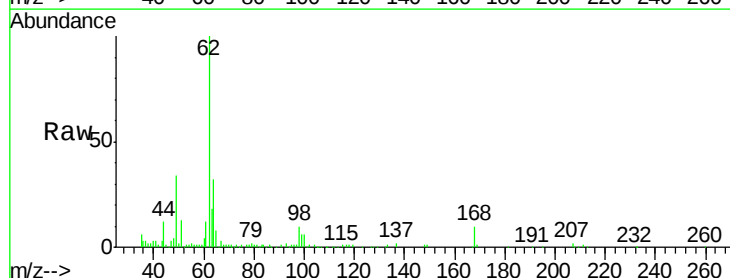
Manual Integrations
APPROVED

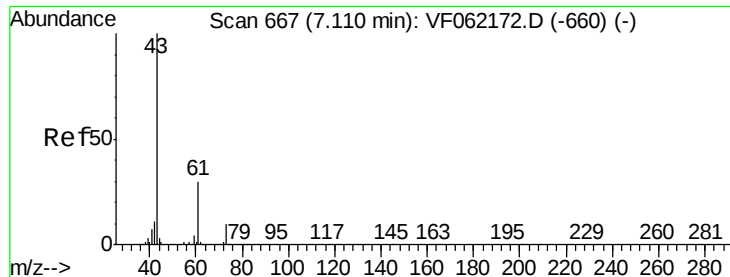
MMDadoda
4/17/2019 11:49:49 AM



#42
1,2-Dichloroethane
Concen: 23.904 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
108829	62	100		
	98	9.5	0.0	22.0





#43

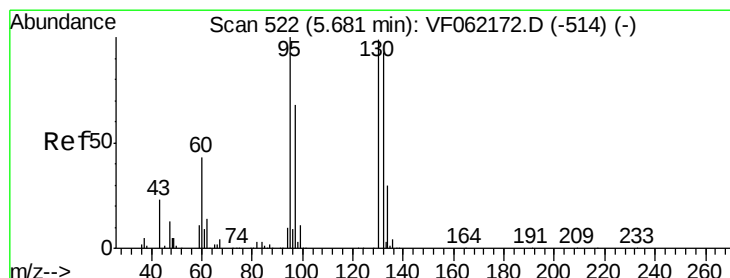
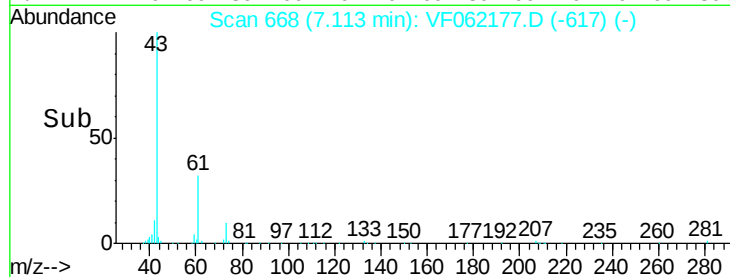
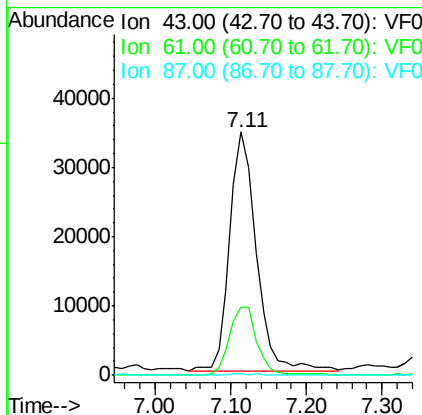
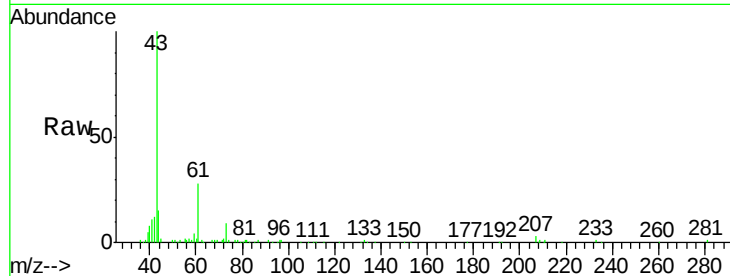
Isopropyl Acetate
 Concen: 23.190 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.7	35.5
87	0.5	0.3	0.5#

Manual Integrations
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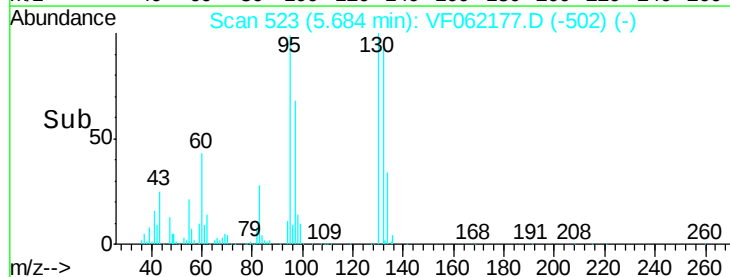
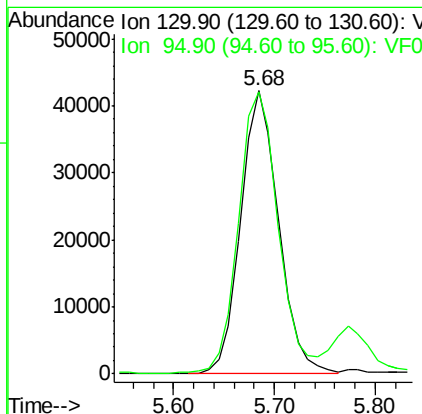
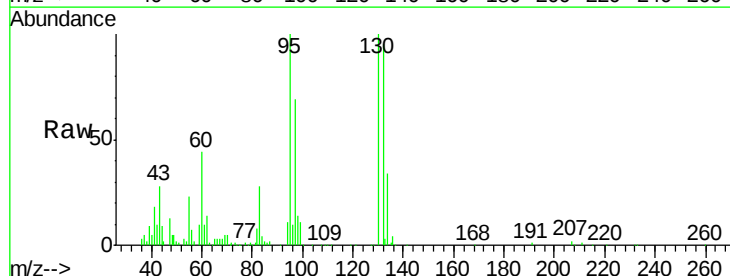
MMDadoda
 4/17/2019 11:49:49 AM

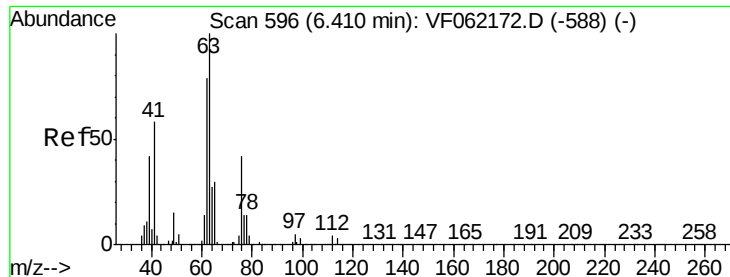


#44

Trichloroethene
 Concen: 22.962 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	202.2





#45

1,2-Dichloropropane

Concen: 21.342 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 63 Resp: 94179

Ion Ratio Lower Upper

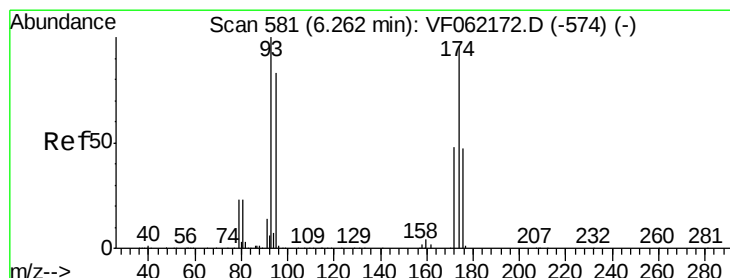
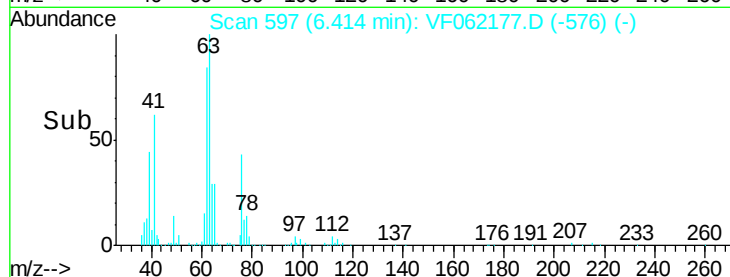
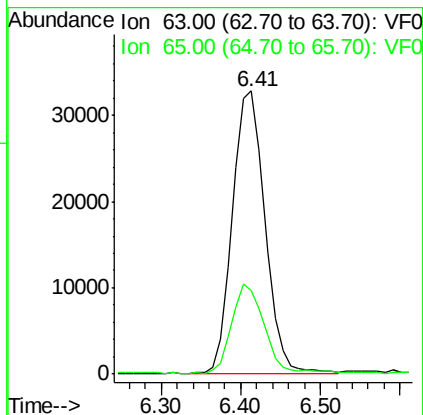
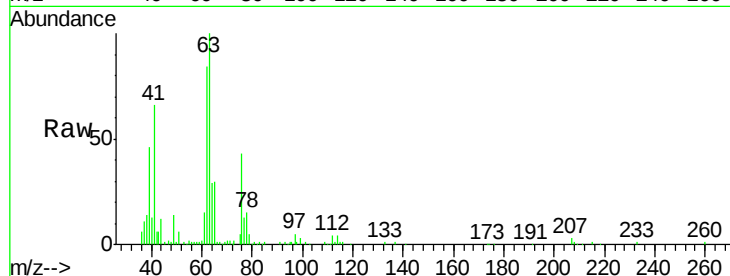
63 100

65 29.6 23.7 35.5

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4/17/2019 11:49:49 AM



#46

Dibromomethane

Concen: 22.389 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

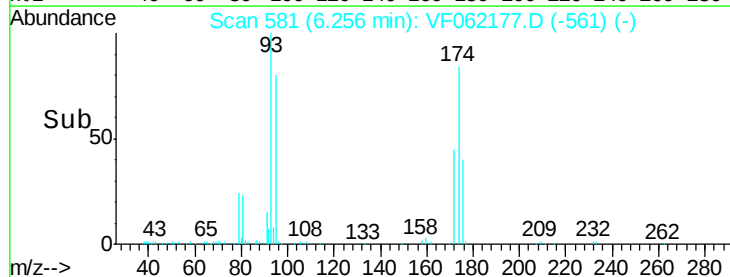
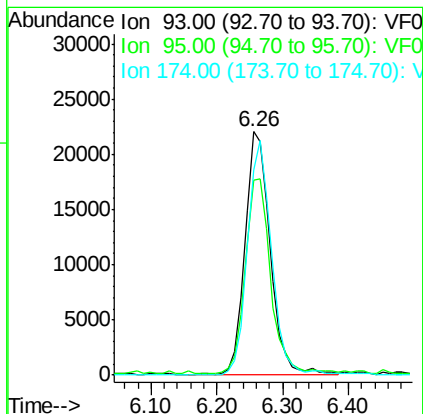
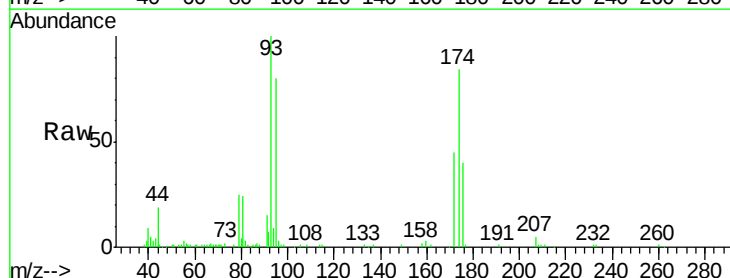
Tgt Ion: 93 Resp: 59575

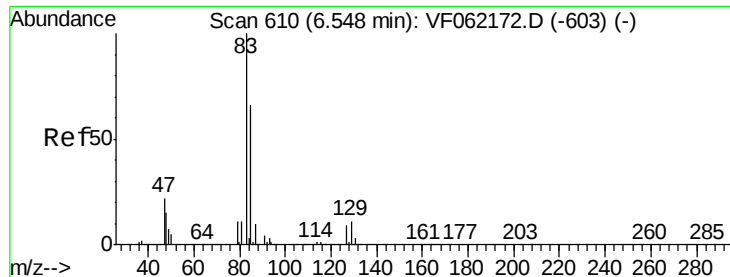
Ion Ratio Lower Upper

93 100

95 80.2 67.0 100.6

174 84.4 76.3 114.5





#47

Bromodichloromethane

Concen: 21.501 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

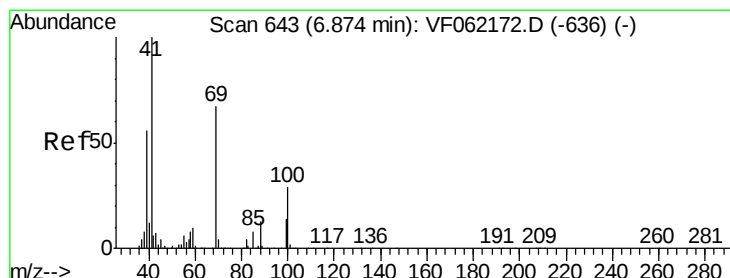
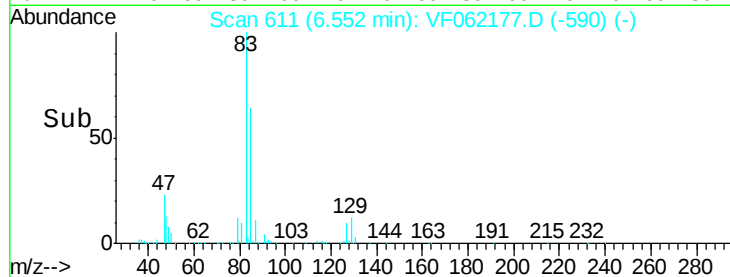
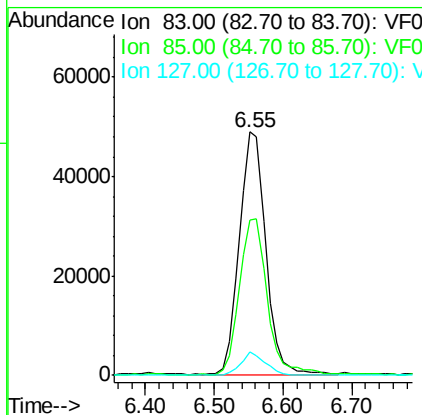
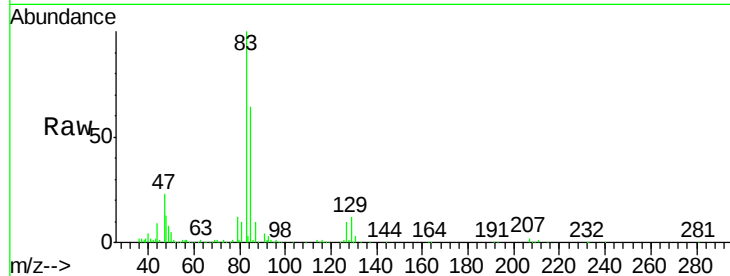
ClientSampleId :

VF0416SBS01

Tot Ion:	83	Resp:	129616
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.6	79.0
127	9.6	6.8	10.2

Manual Integrations
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MMDadoda
4/17/2019 11:49:49 AM



#48

Methyl methacrylate

Concen: 21.489 ug/l

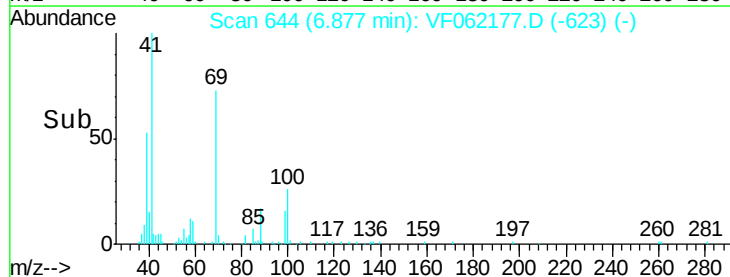
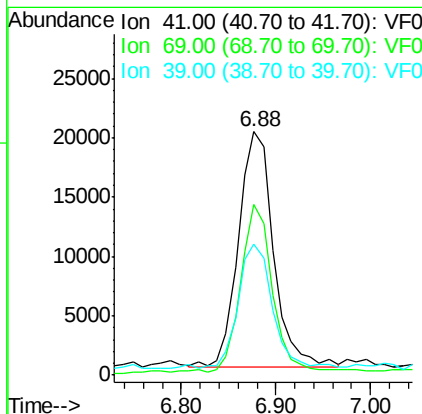
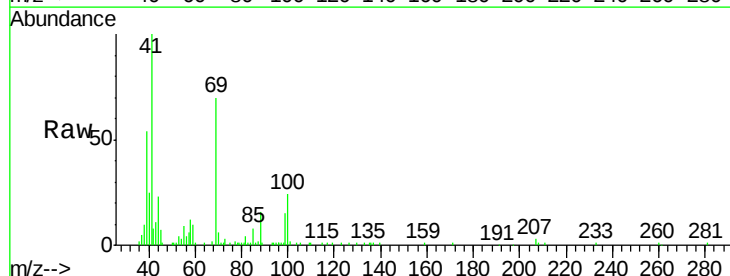
RT: 6.88 min Scan# 644

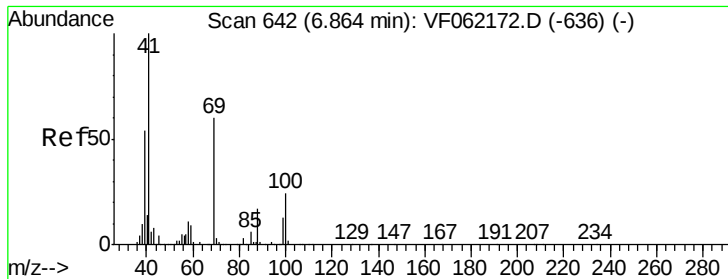
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	41	Resp:	51007
Ion Ratio	Lower	Upper	
41	100		
69	70.0	52.8	79.2
39	54.0	45.0	67.4





#49

1,4-Dioxane

Concen: 569.403 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

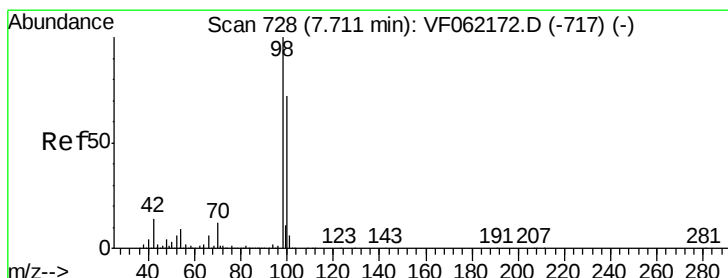
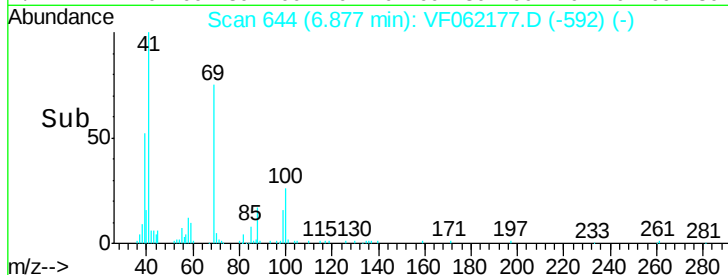
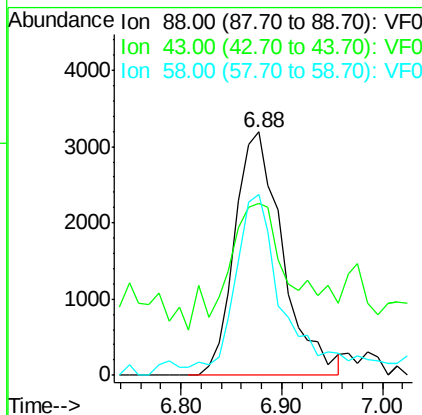
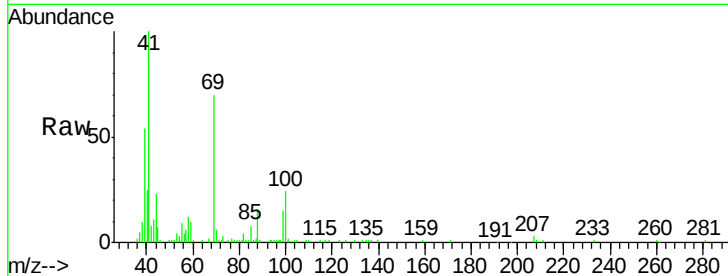
ClientSampleId :

VF0416SBS01

Tot Ion:	88	Resp:	10532
Ion	Ratio	Lower	Upper
88	100		
43	70.4	49.5	74.3
58	74.1	52.6	79.0

Manual Integrations
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#50

Toluene-d8

Concen: 51.697 ug/l

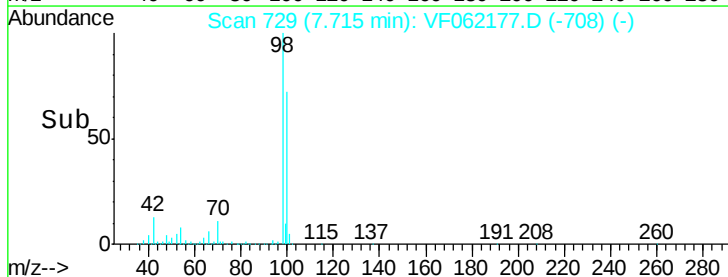
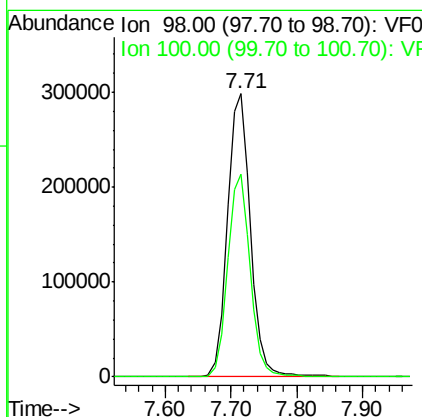
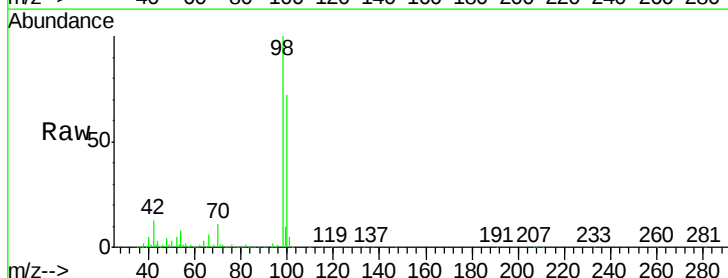
RT: 7.71 min Scan# 729

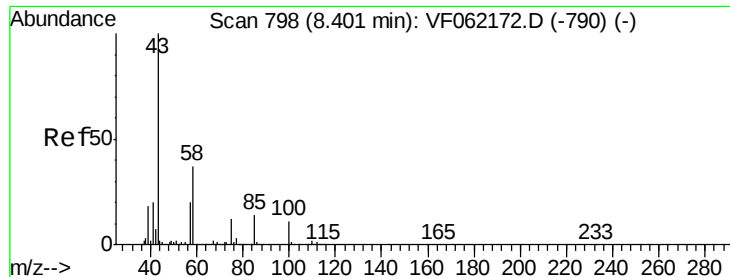
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	98	Resp:	730382
Ion	Ratio	Lower	Upper
98	100		
100	71.6	57.4	86.0





#51

4-Methyl-2-Pentanone

Concen: 109.361 ug/l

RT: 8.40 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 43 Resp: 305509

Ion Ratio Lower Upper

43 100

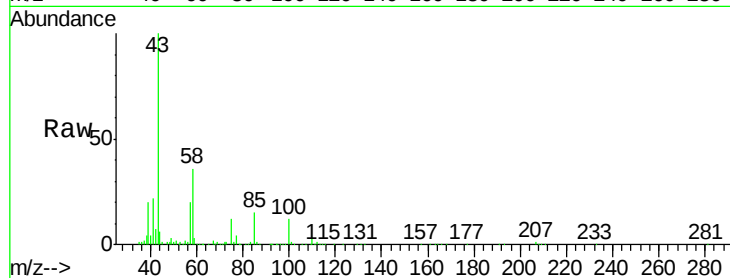
58 36.5 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

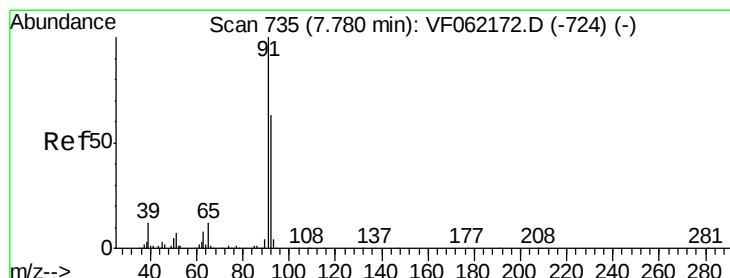
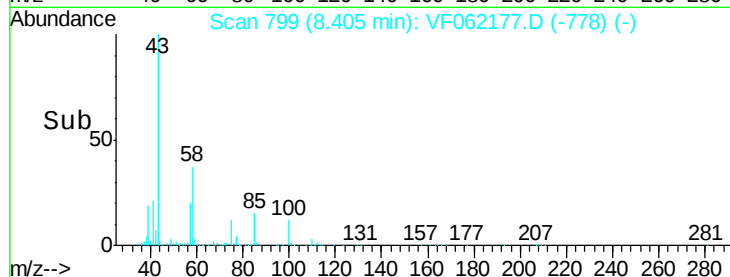
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.146 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062177.D

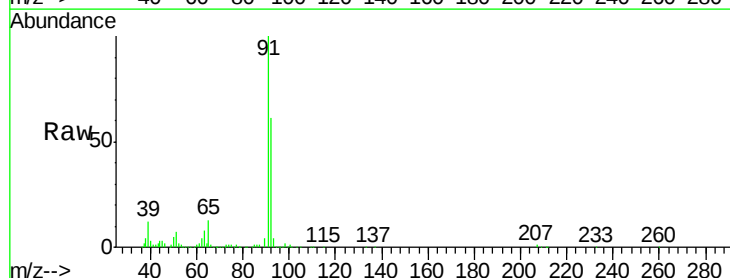
Acq: 16 Apr 2019 15:48

Tgt Ion: 92 Resp: 223453

Ion Ratio Lower Upper

92 100

91 163.4 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

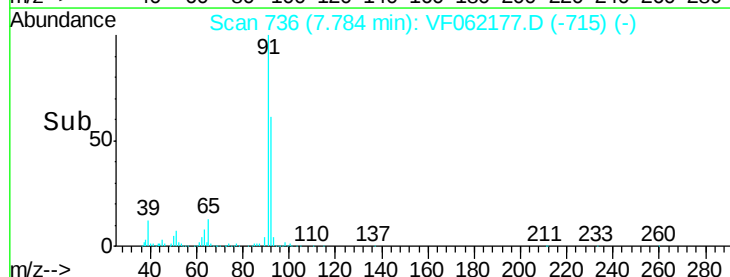
150000

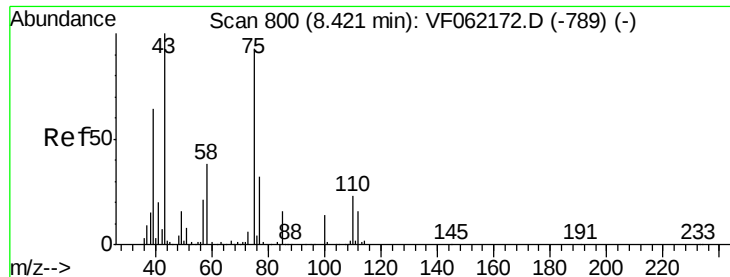
100000

50000

0

Time-->





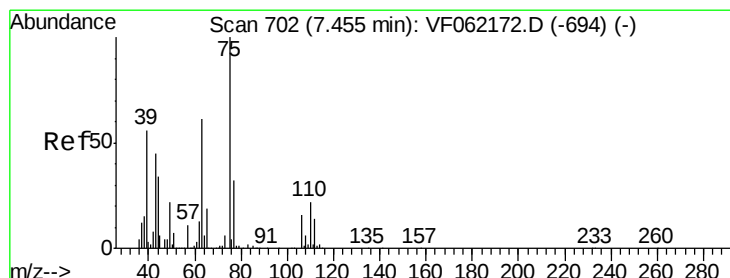
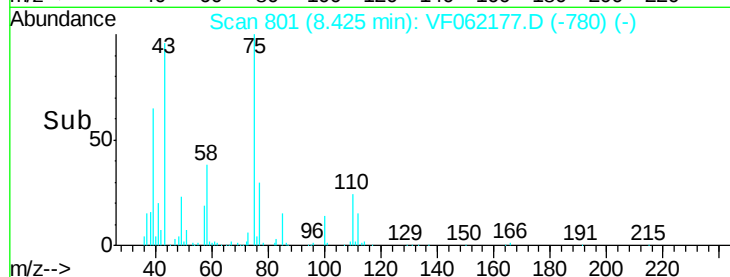
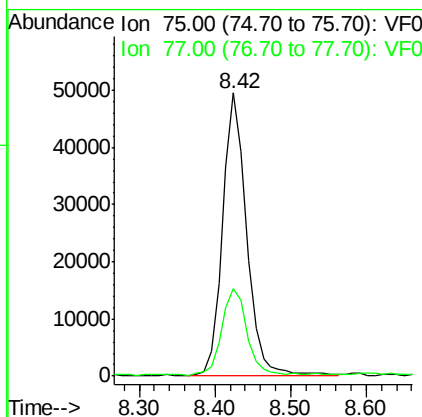
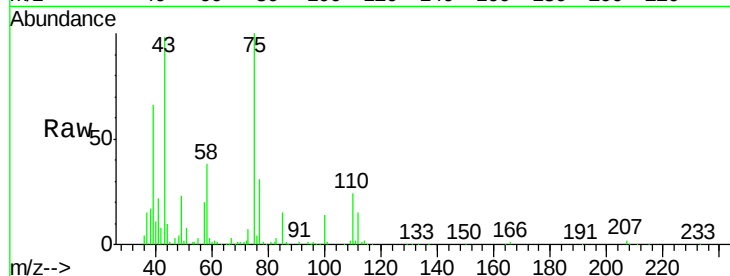
#53
t-1,3-Dichloropropene
Concen: 21.033 ug/l
RT: 8.42 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	75	Resp	109826
Ion Ratio	Lower	Upper	
75	100		
77	30.7	27.8	41.6

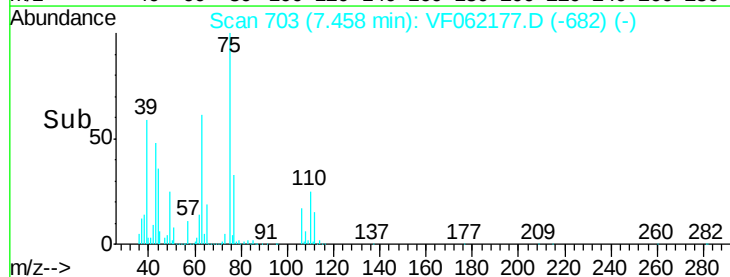
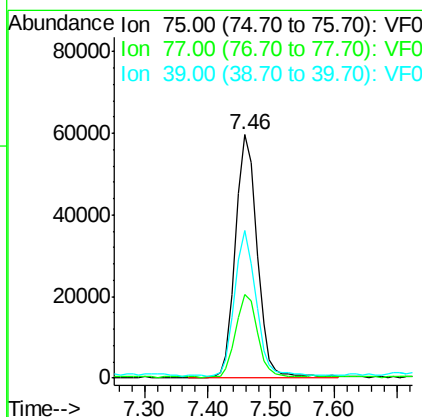
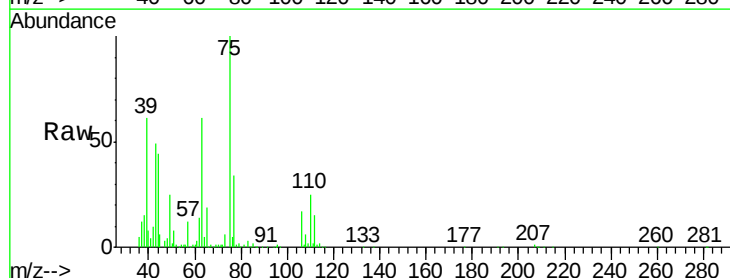
Manual Integrations
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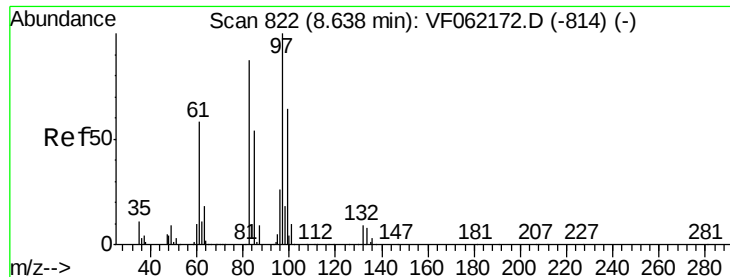
MMDadoda
4/17/2019 11:49:49 AM



#54
cis-1,3-Dichloropropene
Concen: 21.626 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	75	Resp	143595
Ion Ratio	Lower	Upper	
75	100		
77	34.2	26.0	39.0
39	60.8	45.2	67.8





#55

1,1,2-Trichloroethane

Concen: 19.555 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

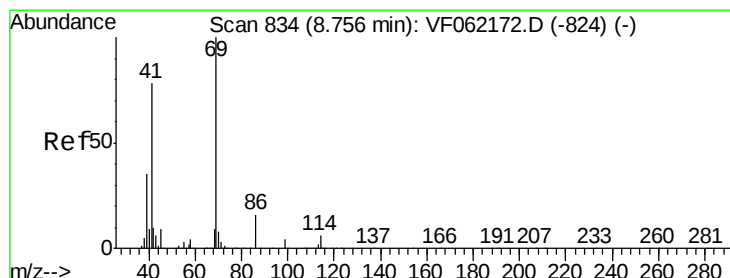
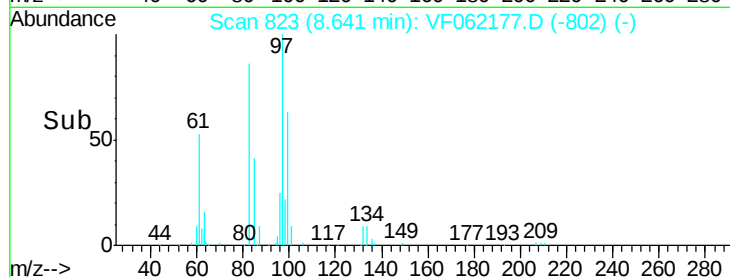
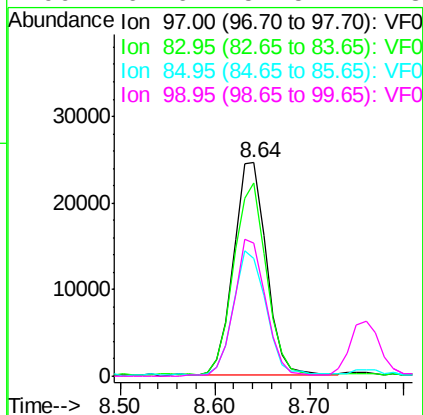
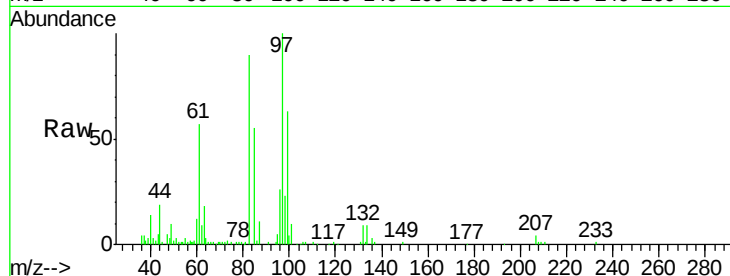
ClientSampleId :

VF0416SBS01

Tot Ion:	97	Resp:	59181
Ion	Ratio	Lower	Upper
97	100		
83	90.3	69.6	104.4
85	55.1	43.5	65.3
99	62.6	51.5	77.3

Manual Integrations
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4/17/2019 11:49:49 AM



#56

Ethyl methacrylate

Concen: 21.232 ug/l

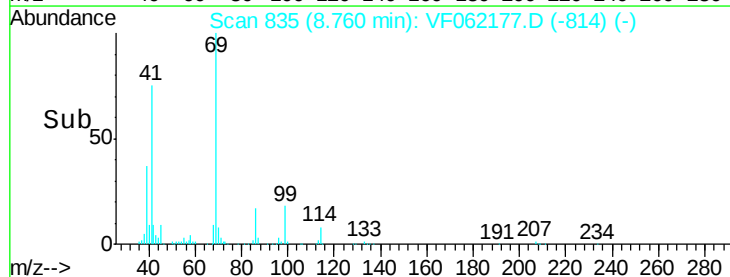
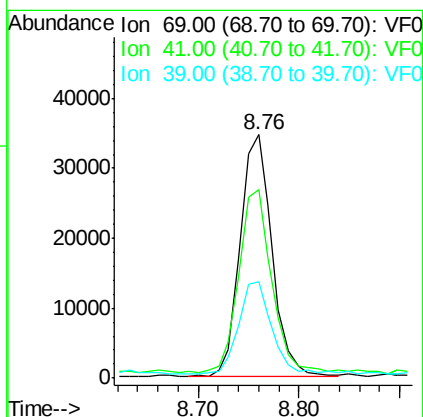
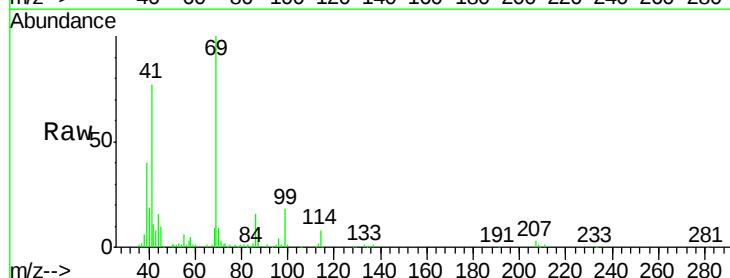
RT: 8.76 min Scan# 835

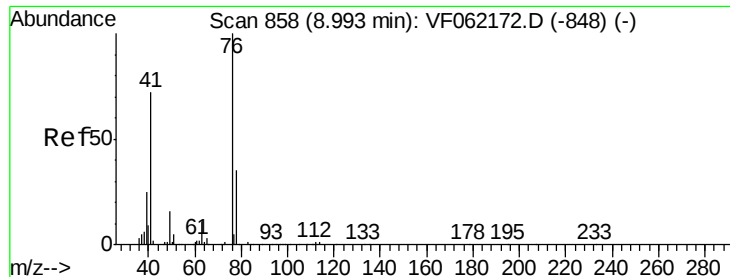
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	69	Resp:	76409
Ion	Ratio	Lower	Upper
69	100		
41	77.3	63.4	95.0
39	39.6	29.0	43.6





#57

1,3-Dichloropropane

Concen: 21.060 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 76 Resp: 104783

Ion Ratio Lower Upper

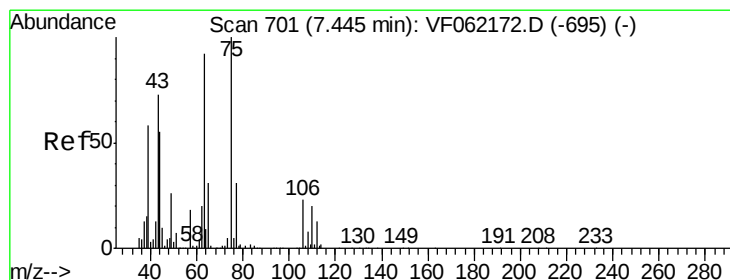
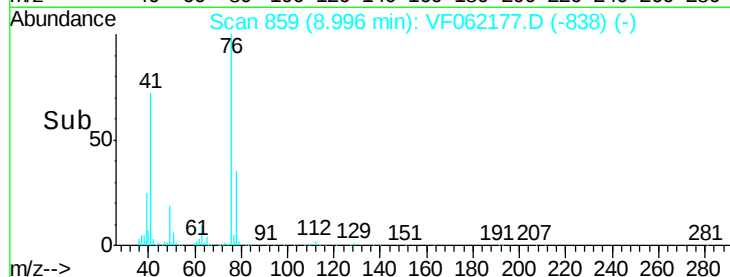
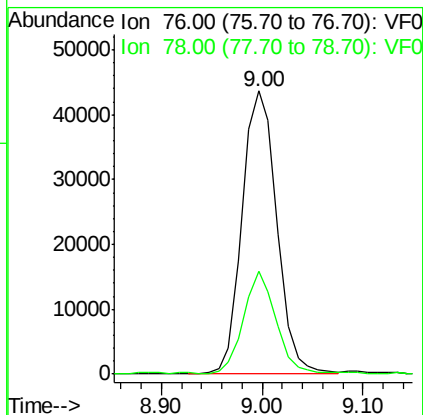
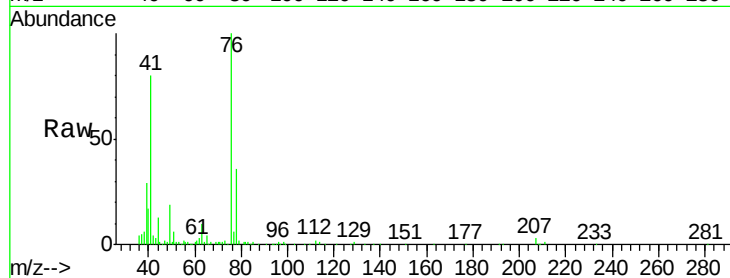
76 100

78 36.2 28.2 42.2

Manual Integrations
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4/17/2019 11:49:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.455 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062177.D

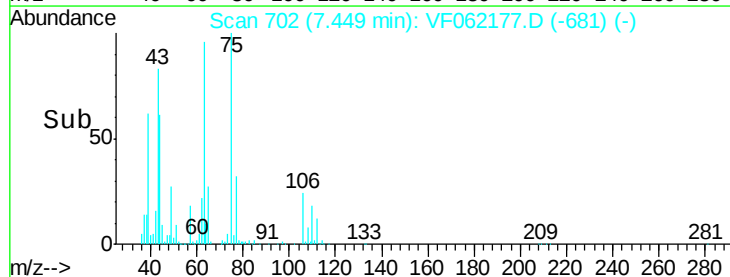
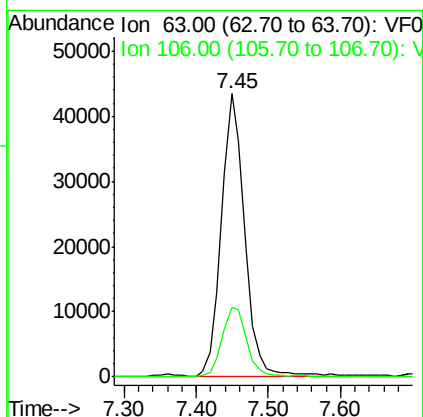
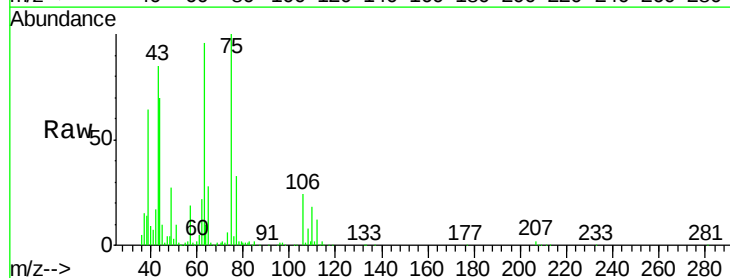
Acq: 16 Apr 2019 15:48

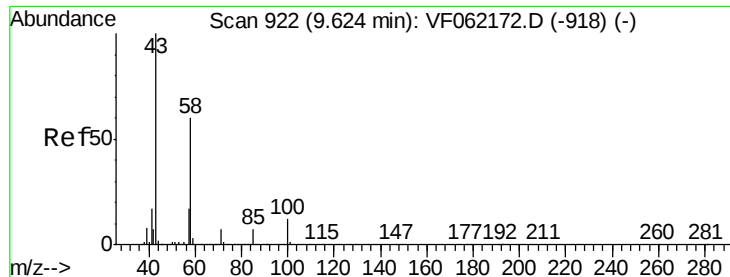
Tgt Ion: 63 Resp: 95926

Ion Ratio Lower Upper

63 100

106 24.6 20.2 30.4





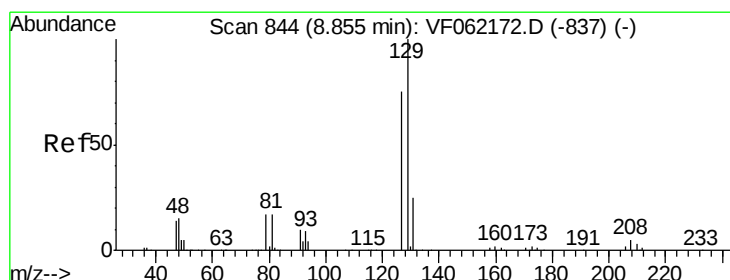
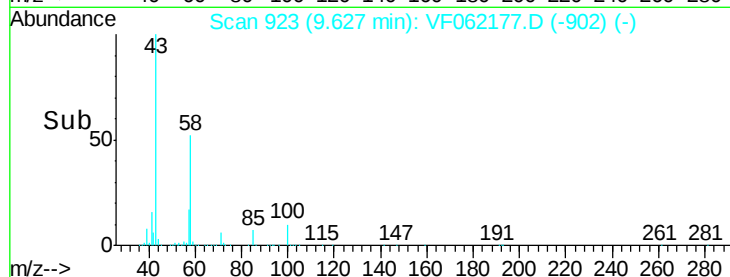
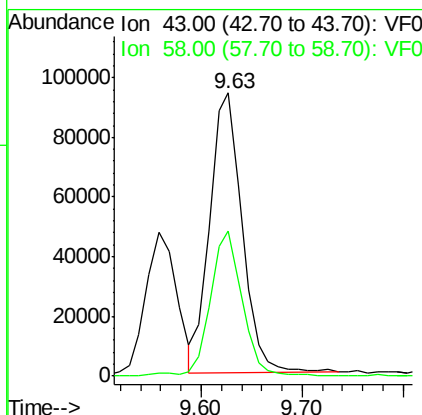
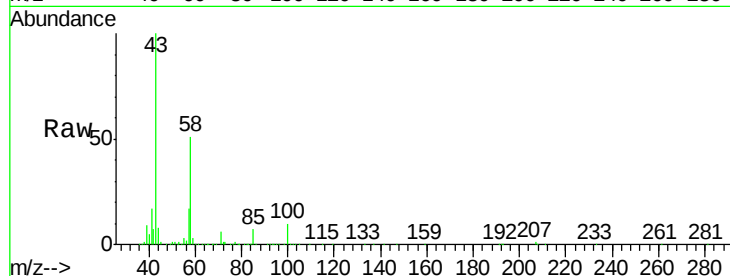
#59
2-Hexanone
Concen: 118.769 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion: 43 Resp: 210866
Ion Ratio Lower Upper
43 100
58 51.2 26.8 80.4

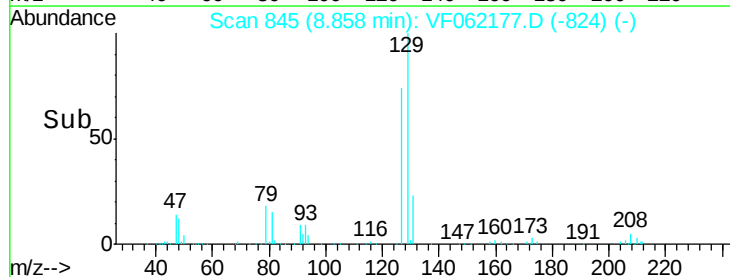
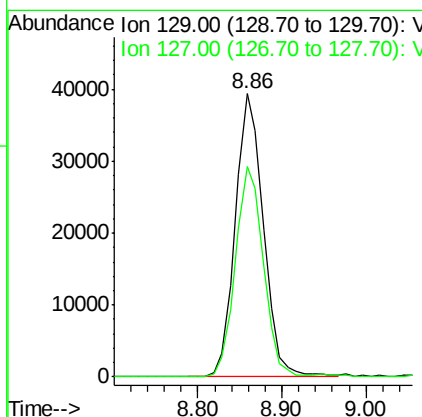
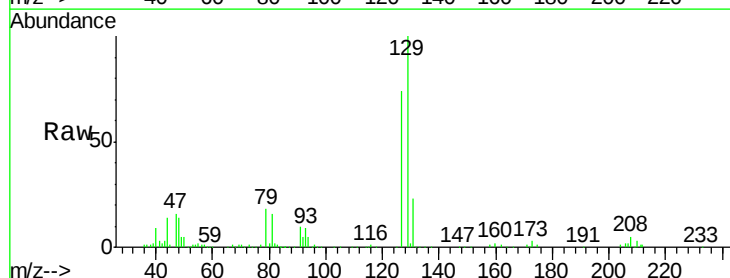
Manual Integrations
APPROVED

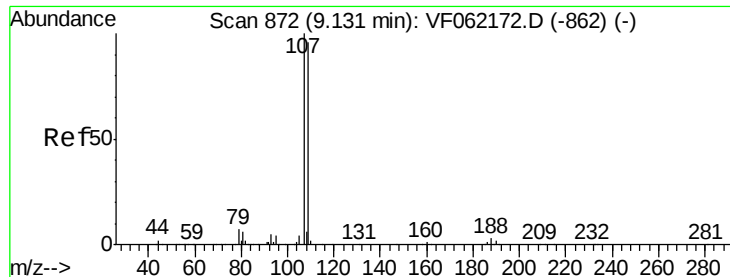
MMDadoda
4/17/2019 11:49:49 AM



#60
Dibromochloromethane
Concen: 21.976 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion: 129 Resp: 91511
Ion Ratio Lower Upper
129 100
127 74.5 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.691 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 107 Resp: 73471

Ion Ratio Lower Upper

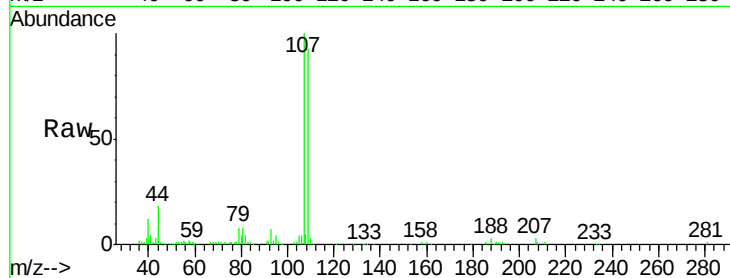
107 100

109 92.5 76.8 115.2

Manual Integrations
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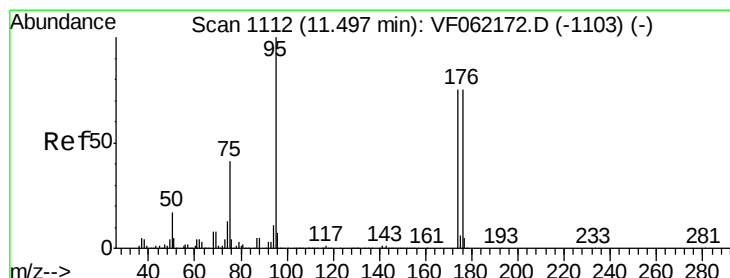
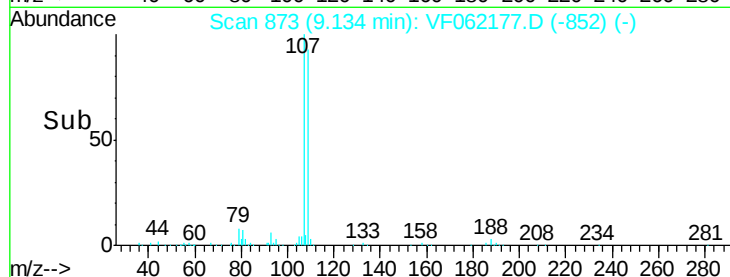
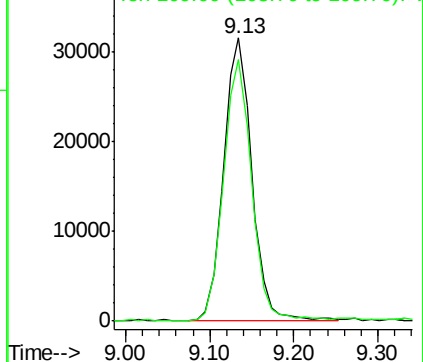
MMDadoda

4/17/2019 11:49:49 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.364 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

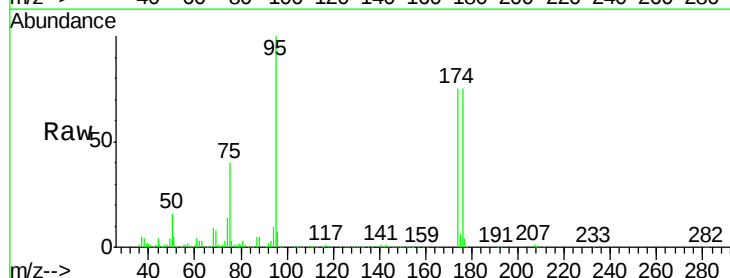
Tgt Ion: 95 Resp: 297733

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

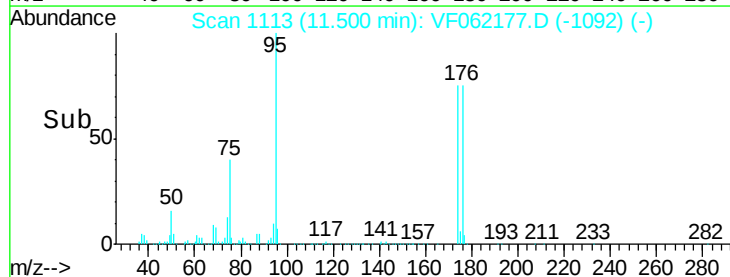
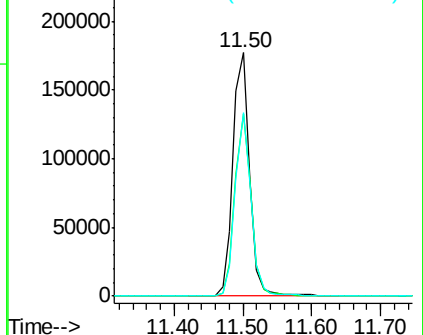
176 75.4 0.0 149.4

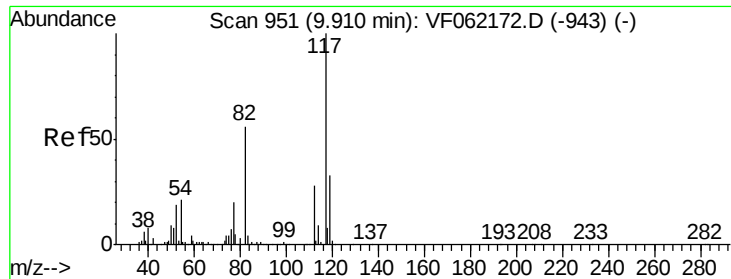


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





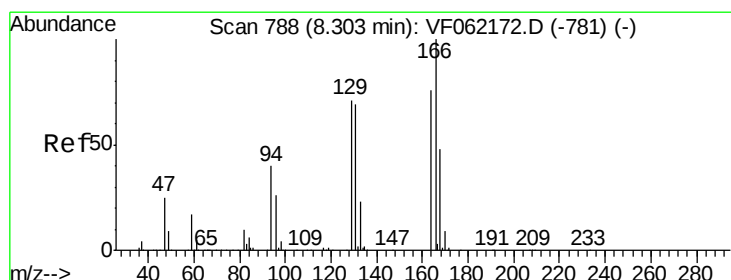
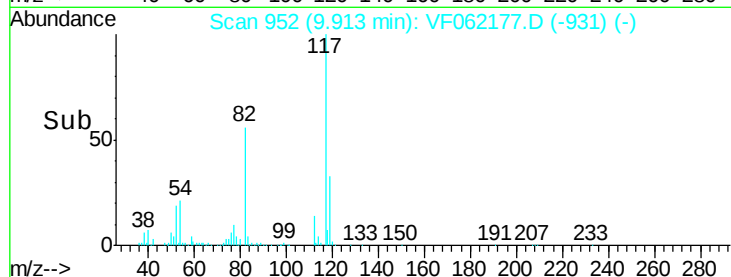
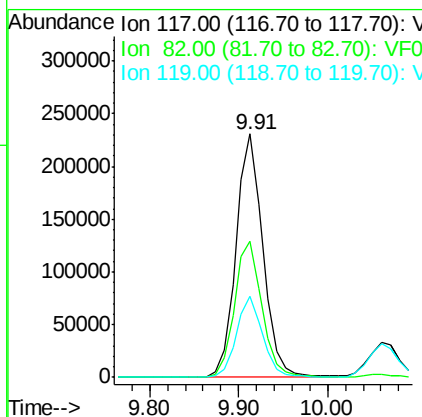
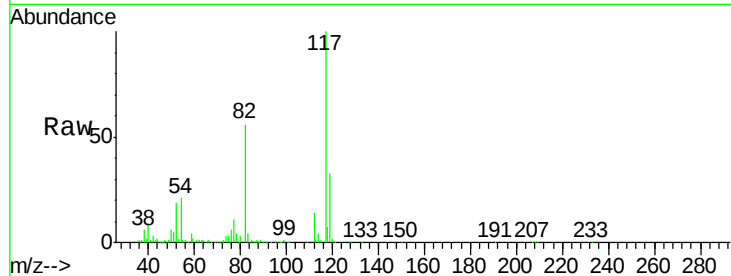
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	486301		
82	55.9		45.2	67.8
119	33.4		26.6	39.8

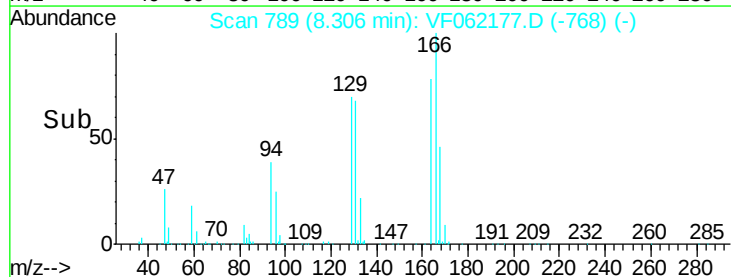
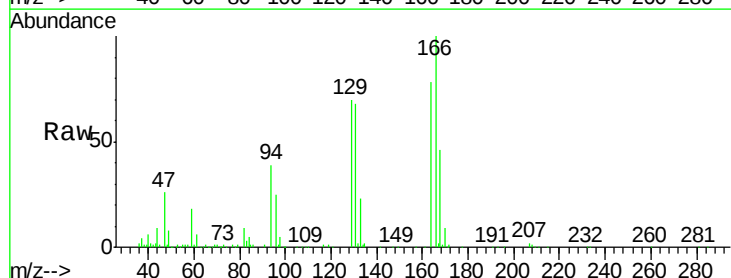
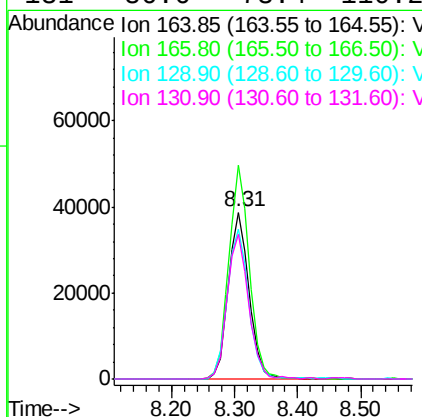
Manual Integrations
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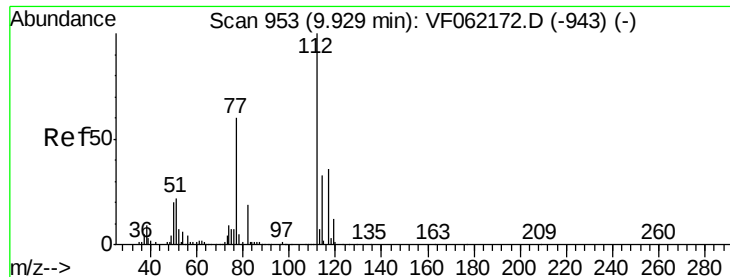
MMDadoda
4/17/2019 11:49:49 AM



#64
Tetrachloroethene
Concen: 22.075 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87678		
166	127.9		105.9	158.9
129	89.6		75.3	112.9
131	86.6		73.4	110.2





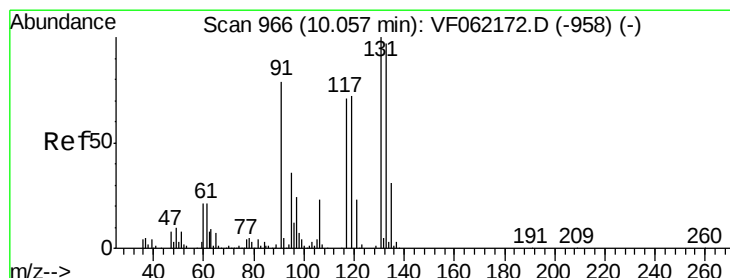
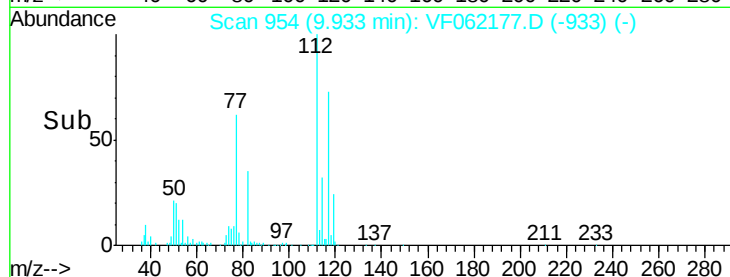
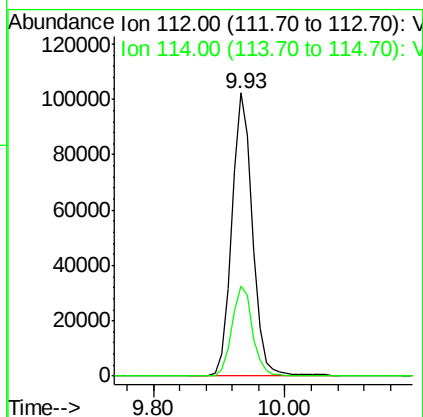
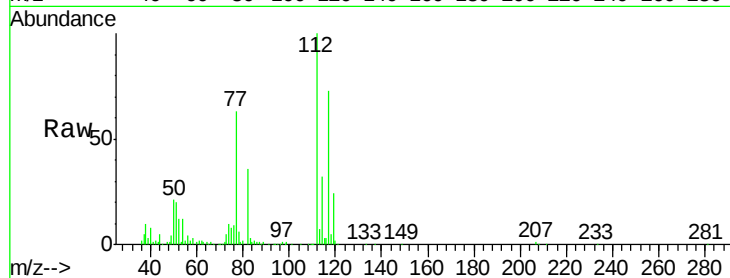
#65
Chlorobenzene
Concen: 22.348 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.6	39.8

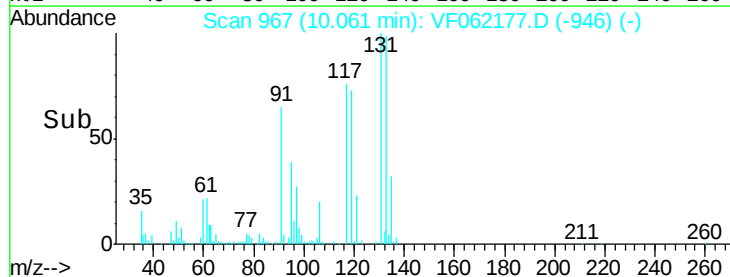
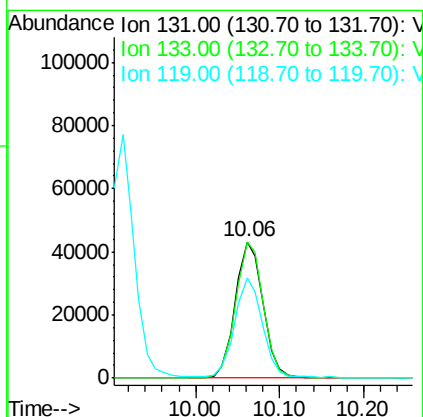
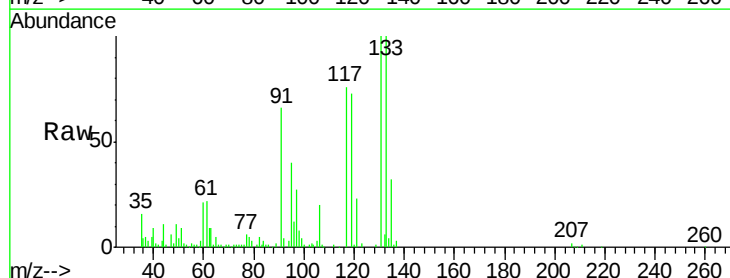
Manual Integrations
APPROVED

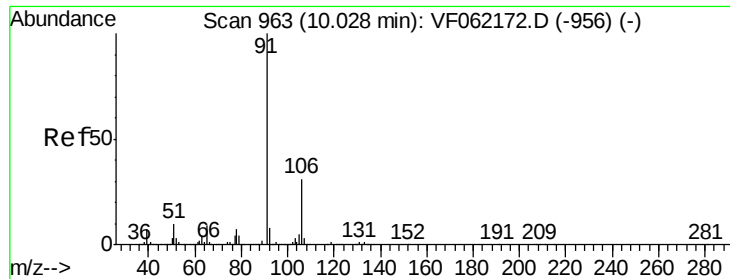
MMDadoda
4/17/2019 11:49:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.818 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.8	48.4	145.2
119	73.4	36.3	108.9





#67

Ethyl Benzene

Concen: 23.205 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 91 Resp: 435141

Ion Ratio Lower Upper

91 100

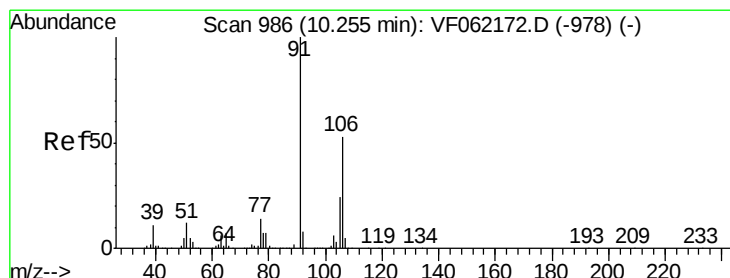
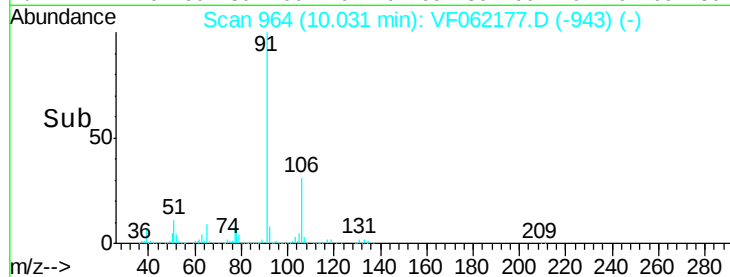
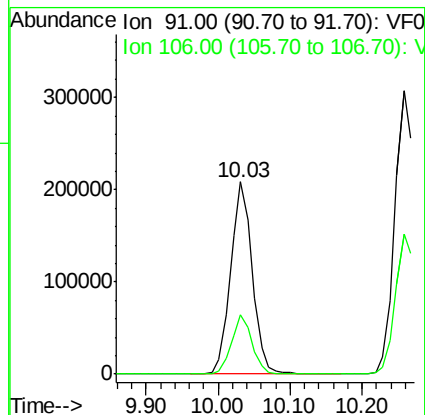
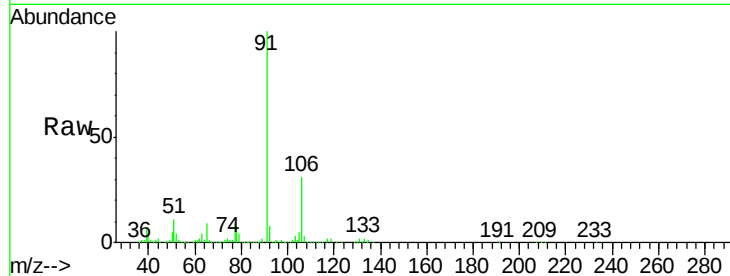
106 30.6 24.7 37.1

Manual Integrations

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MMDadoda

4/17/2019 11:49:49 AM



#68

m/p-Xylenes

Concen: 45.519 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062177.D

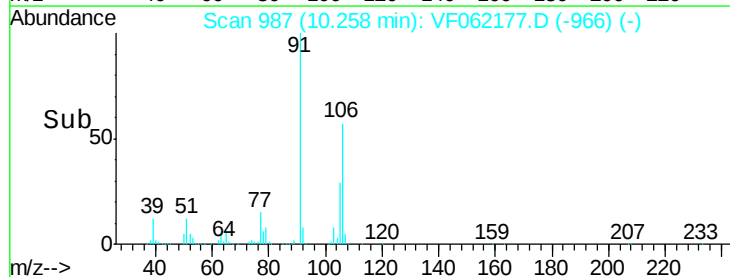
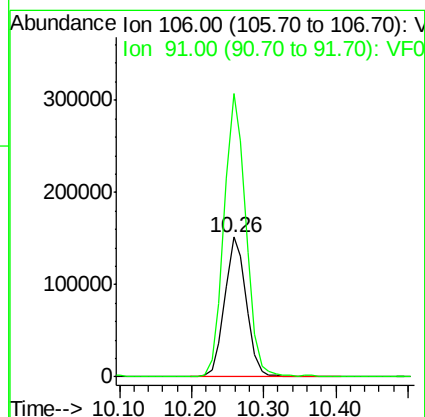
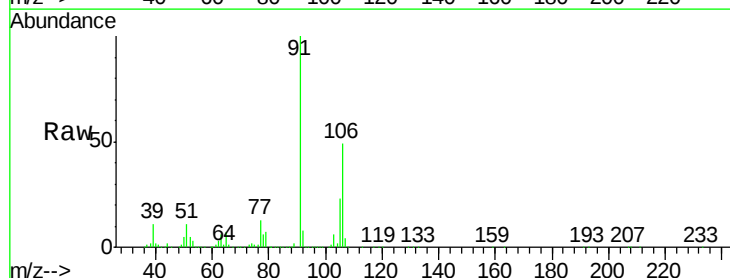
Acq: 16 Apr 2019 15:48

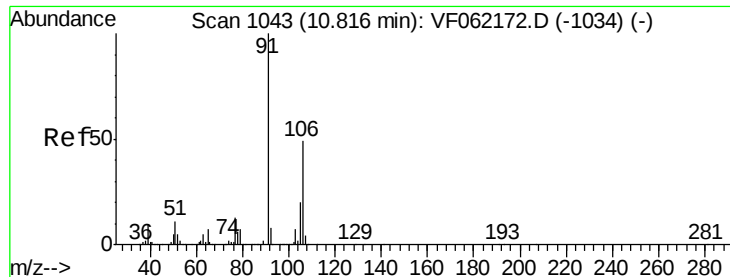
Tgt Ion: 106 Resp: 314220

Ion Ratio Lower Upper

106 100

91 202.7 151.7 227.5





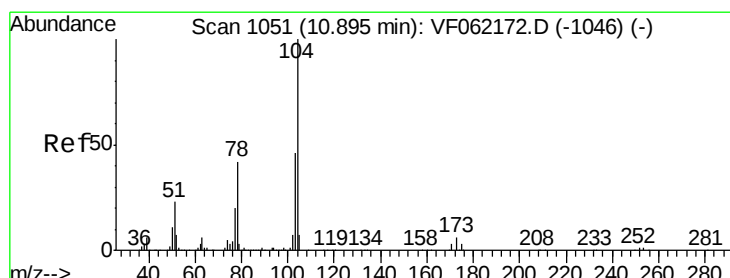
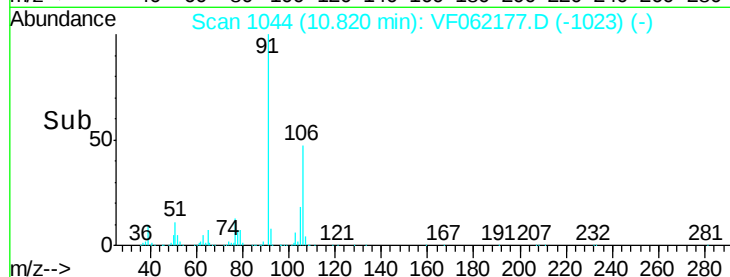
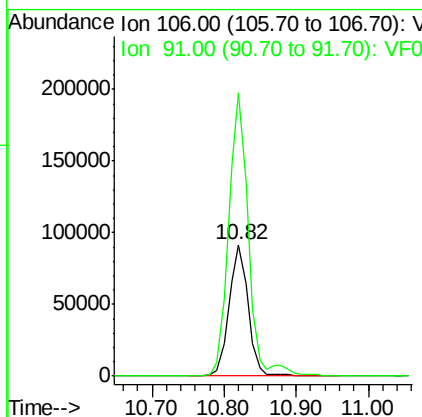
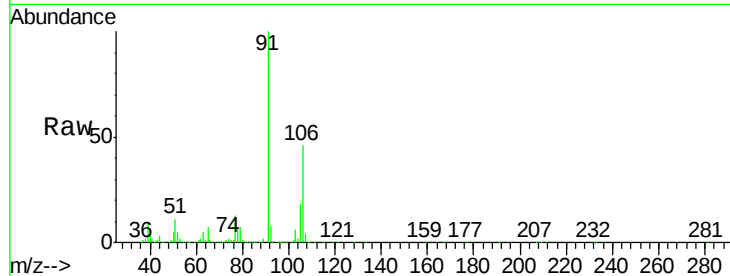
#69
o-Xylene
Concen: 22.354 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion:106 Resp: 167074
Ion Ratio Lower Upper
106 100
91 215.6 101.9 305.7

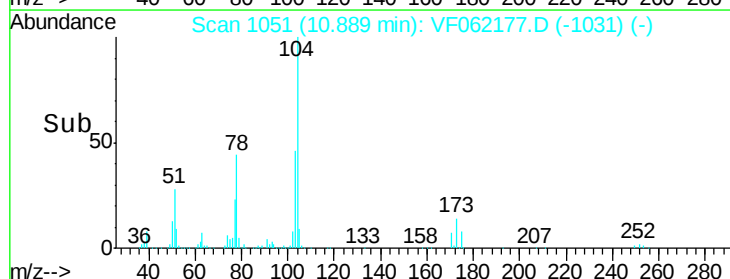
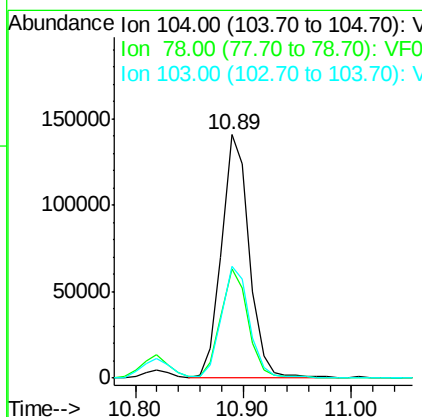
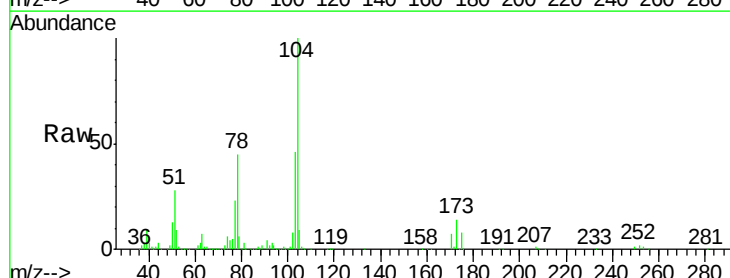
Manual Integrations
APPROVED

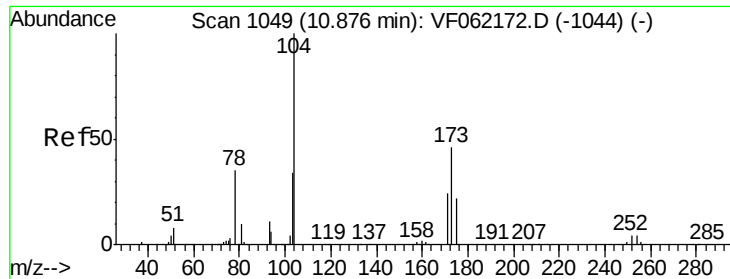
MMDadoda
4/17/2019 11:49:49 AM



#70
Styrene
Concen: 22.974 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion:104 Resp: 249709
Ion Ratio Lower Upper
104 100
78 44.7 33.7 50.5
103 46.0 37.2 55.8





#71

Bromoform

Concen: 23.582 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

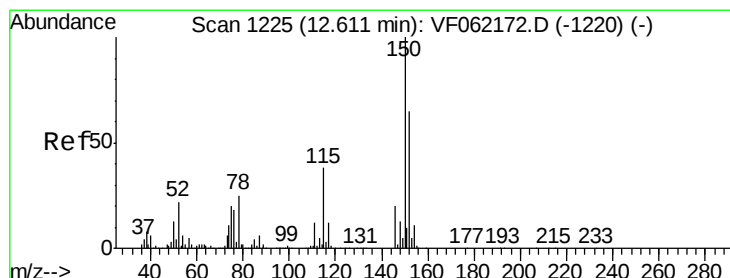
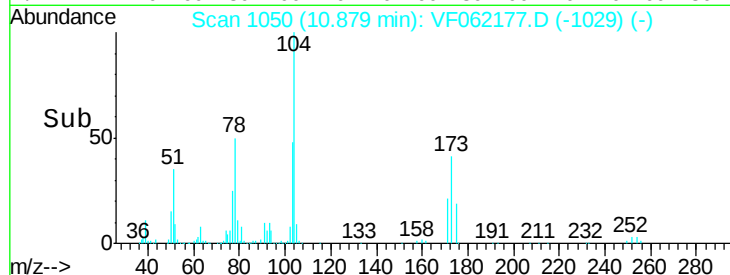
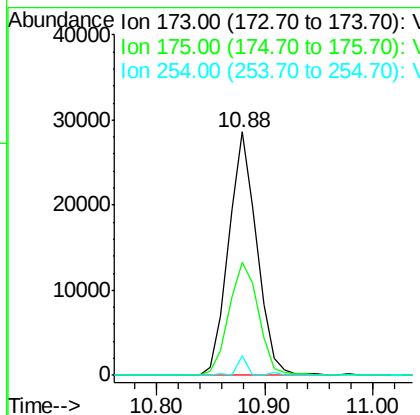
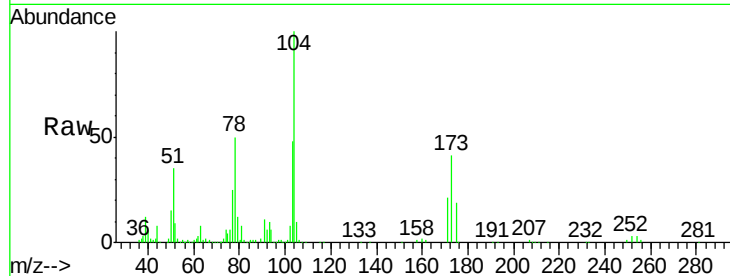
ClientSampleId :

VF0416SBS01

Tot Ion:	173	Resp:	51577
Ion Ratio	Lower	Upper	
173	100		
175	46.7	24.3	72.8
254	8.3	6.6	9.8

Manual Integrations
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4/17/2019 11:49:49 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

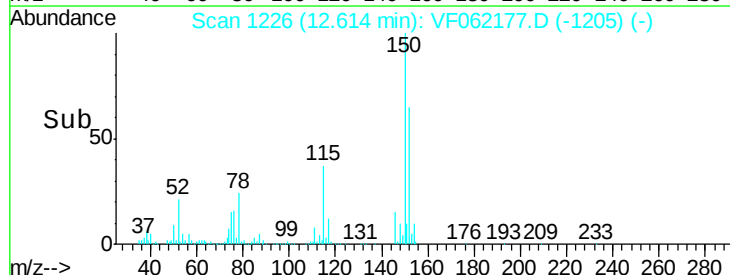
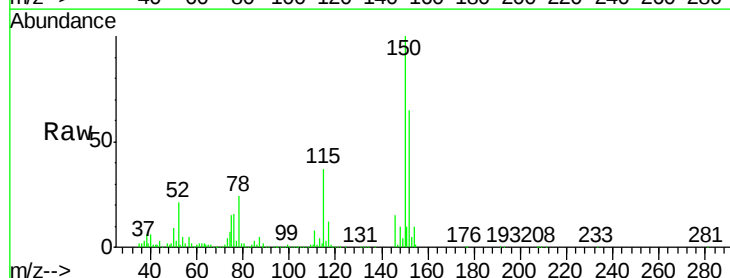
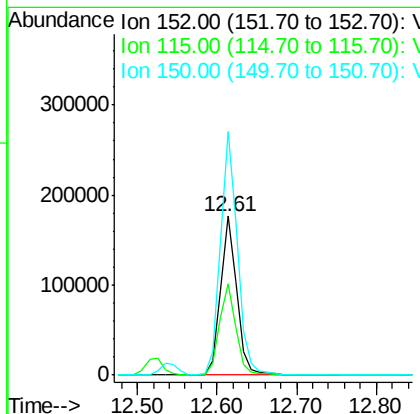
RT: 12.61 min Scan# 1226

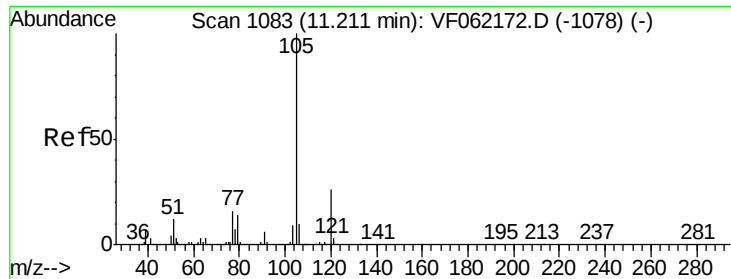
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	152	Resp:	255665
Ion Ratio	Lower	Upper	
152	100		
115	57.3	29.0	87.1
150	153.5	0.0	309.2





#73

Isopropylbenzene

Concen: 22.637 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion:105 Resp: 498594

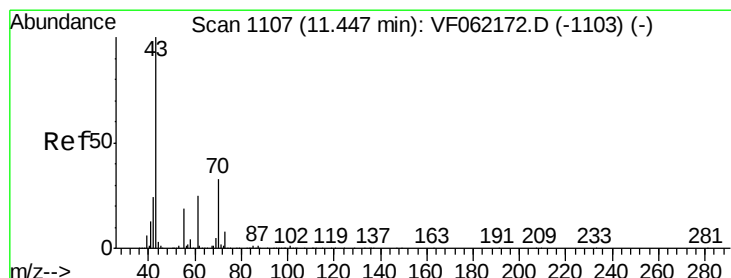
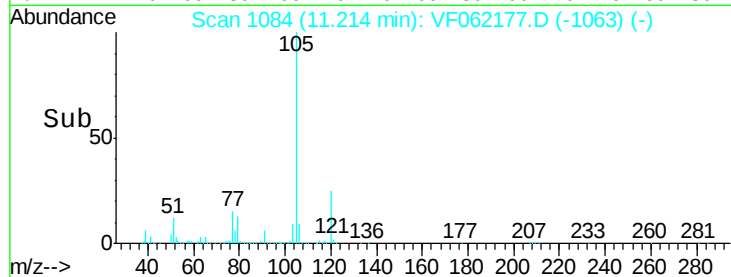
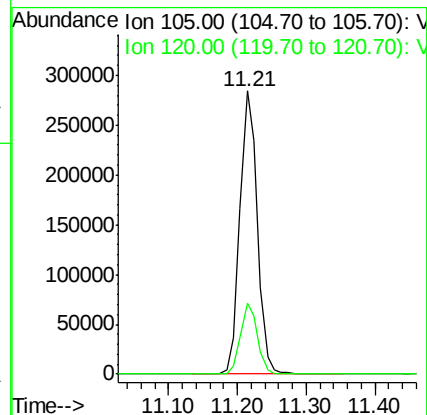
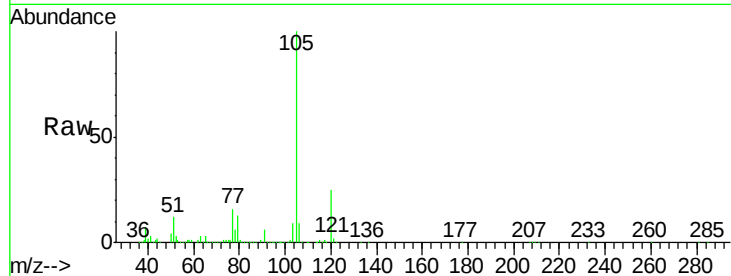
Ion Ratio Lower Upper

105 100

120 24.9 13.0 38.9

Manual Integrations
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4/17/2019 11:49:49 AM



#74

N-ethyl acetate

Concen: 23.290 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion: 43 Resp: 128795

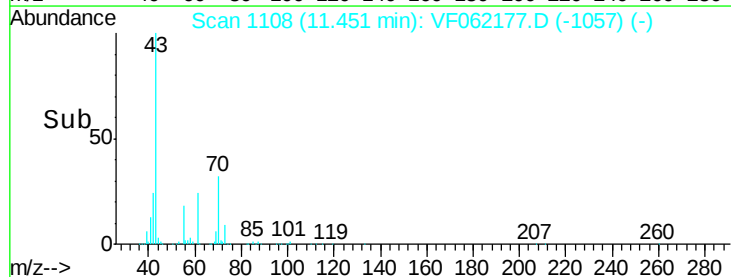
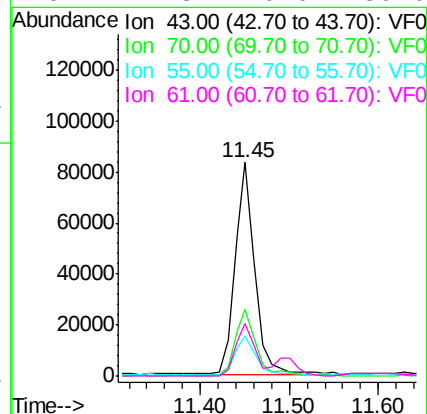
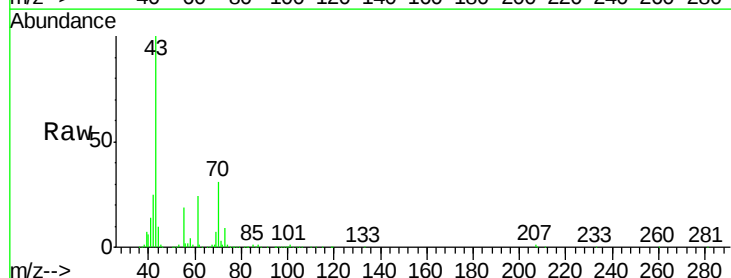
Ion Ratio Lower Upper

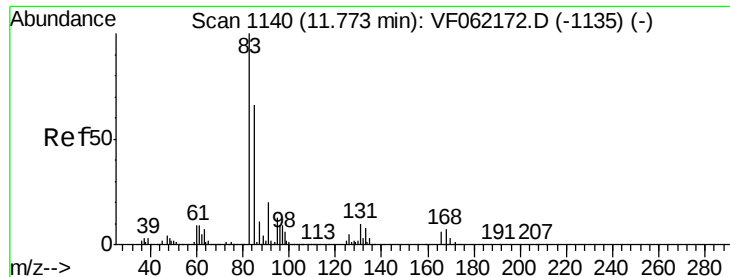
43 100

70 31.5 26.6 39.8

55 18.8 15.0 22.6

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

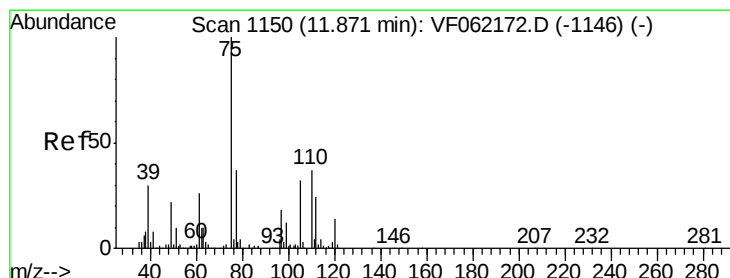
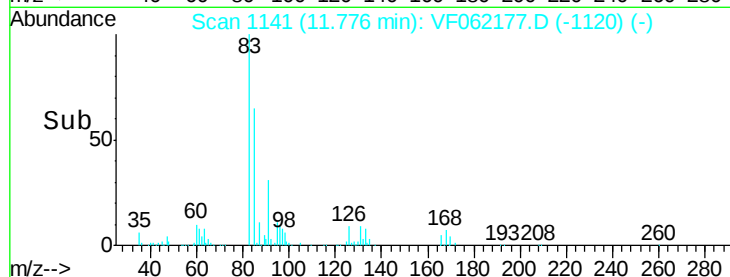
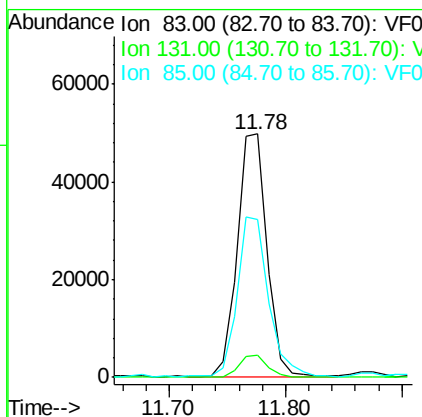
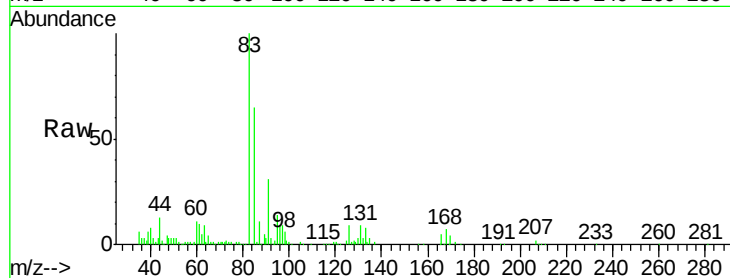
ClientSampleId :

VF0416SBS01

Tot Ion:	83	Resp:	87861
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.4
85	64.8	33.2	99.6

Manual Integrations
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4/17/2019 11:49:49 AM



#76

1,2,3-Trichloropropane

Concen: 21.971 ug/l

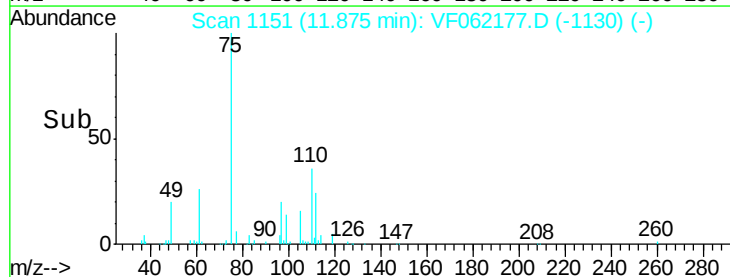
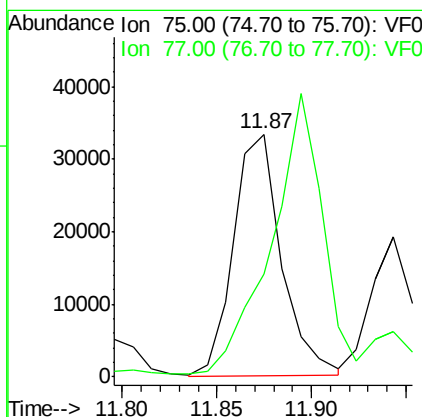
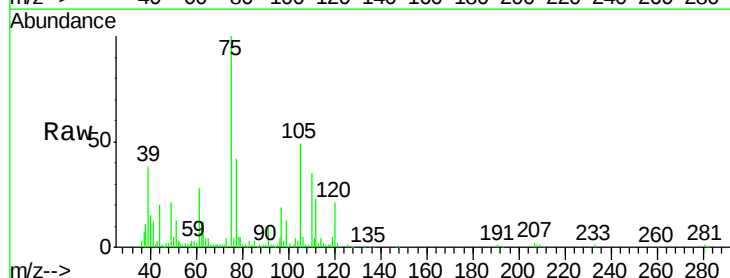
RT: 11.87 min Scan# 1151

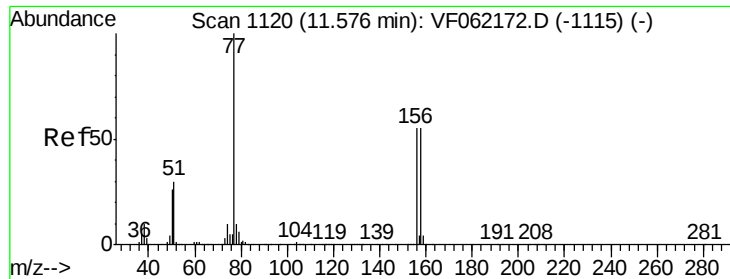
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	75	Resp:	58463
Ion Ratio	Lower	Upper	
75	100		
77	42.4	18.7	56.1





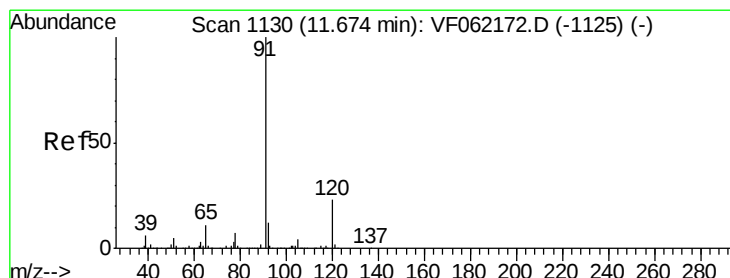
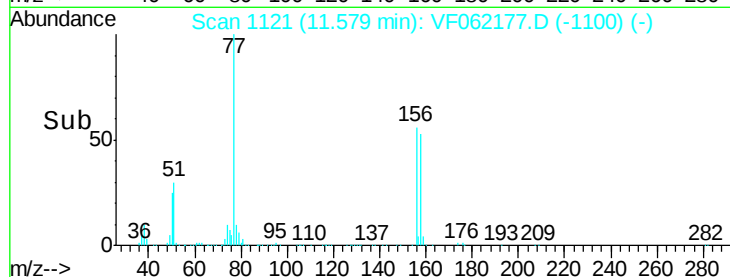
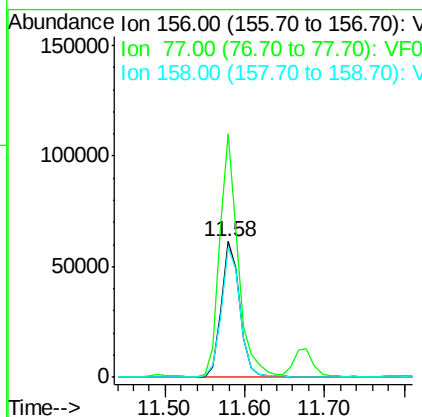
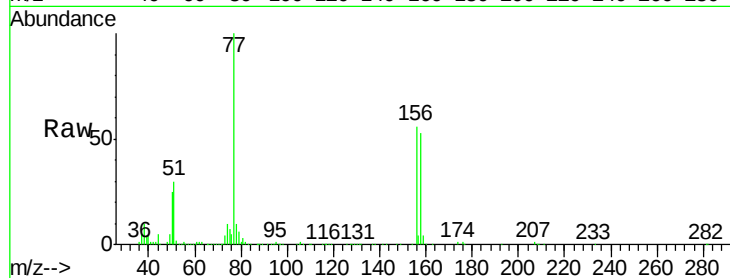
#77
Bromobenzene
Concen: 22.038 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	179.7	91.1	273.4		
158	95.7	50.1	150.4		

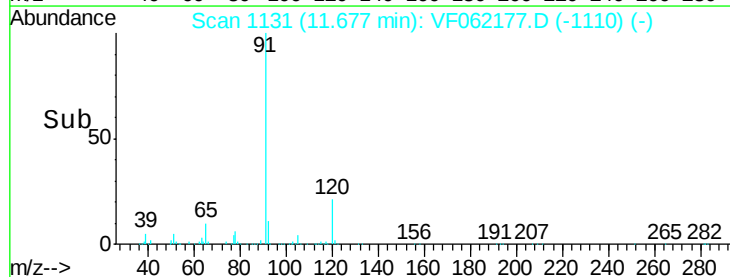
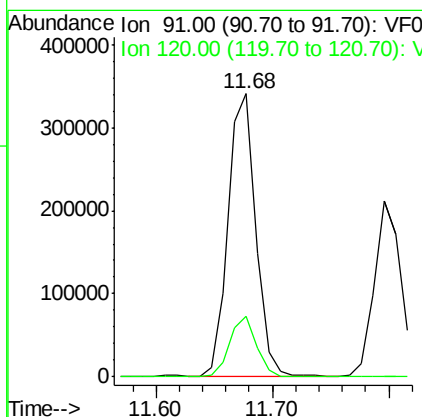
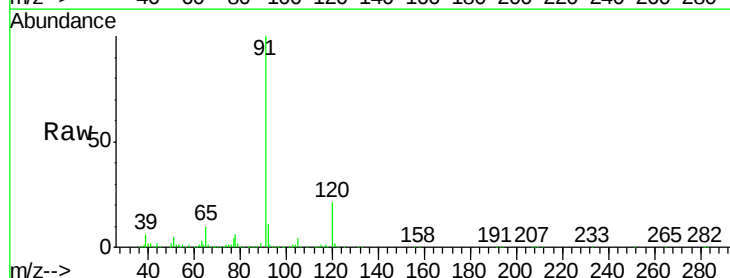
Manual Integrations
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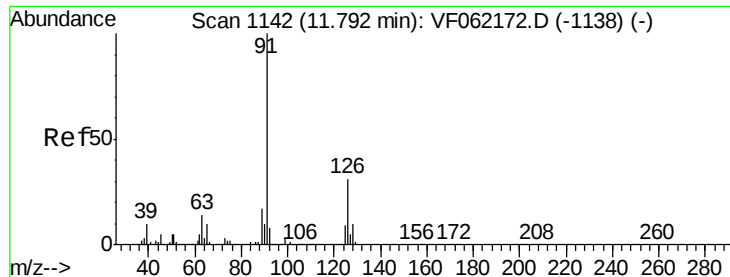
MMDadoda
4/17/2019 11:49:49 AM



#78
n-propylbenzene
Concen: 22.353 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.3	11.6	34.7		





#79

2-Chlorotoluene

Concen: 22.486 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion: 91 Resp: 331843

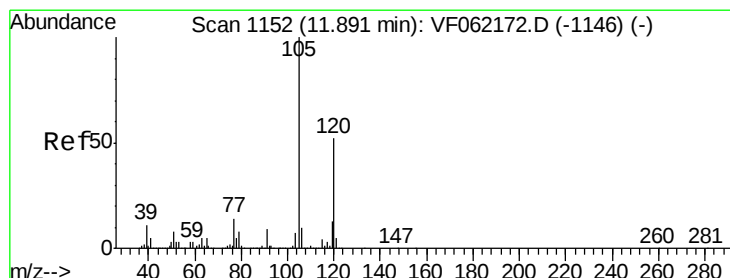
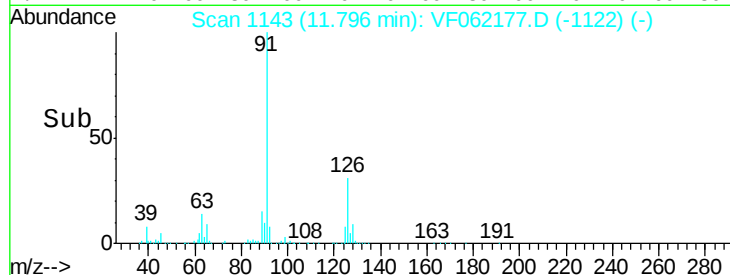
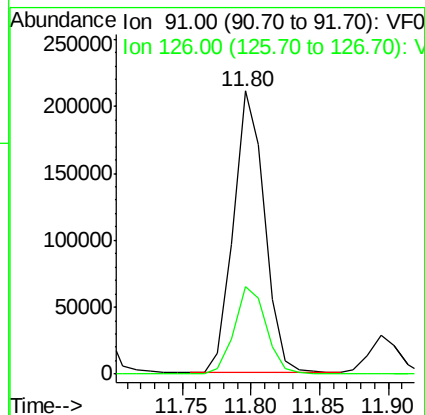
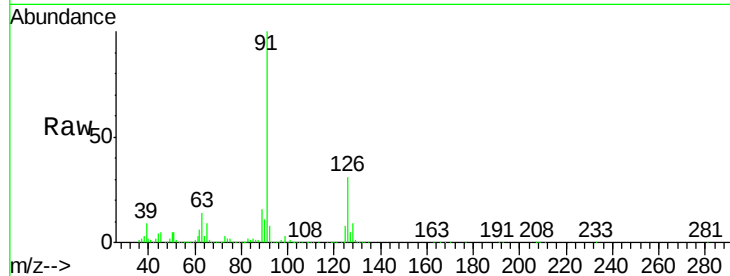
Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 22.784 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062177.D

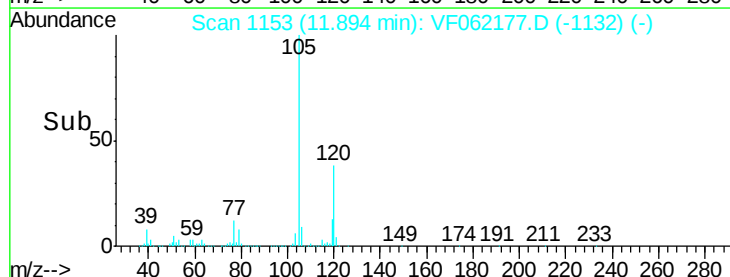
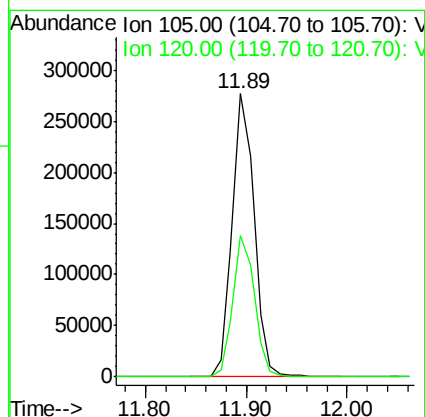
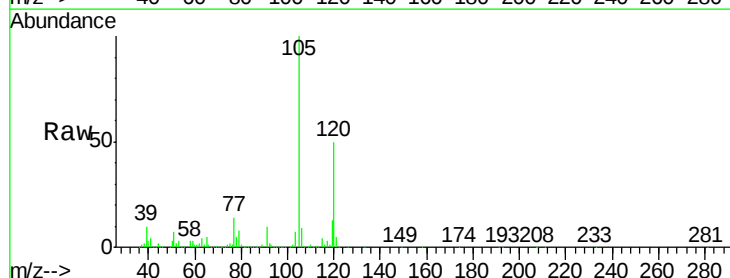
Acq: 16 Apr 2019 15:48

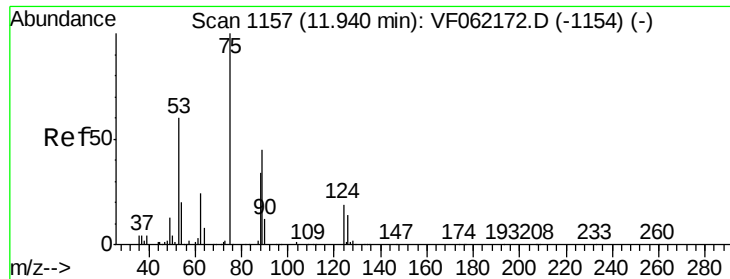
Tgt Ion: 105 Resp: 418532

Ion Ratio Lower Upper

105 100

120 49.9 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 23.431 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

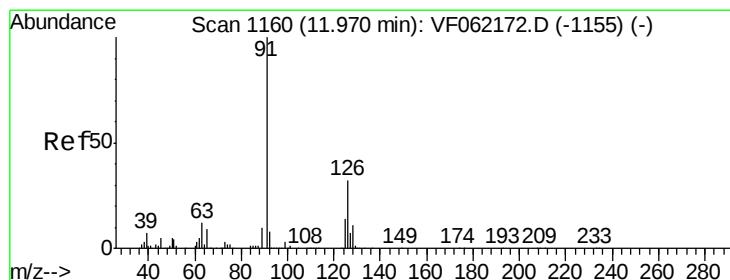
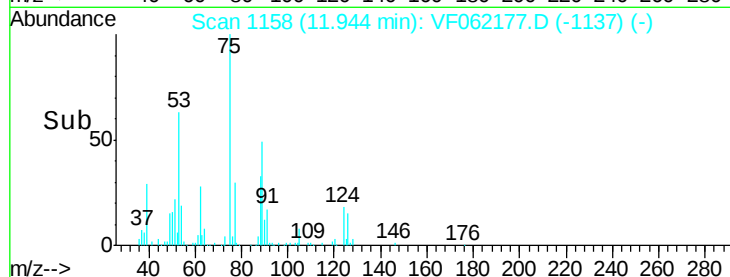
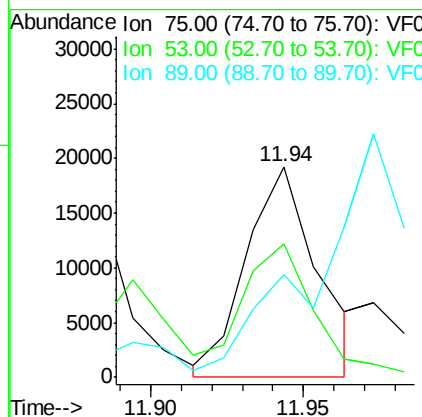
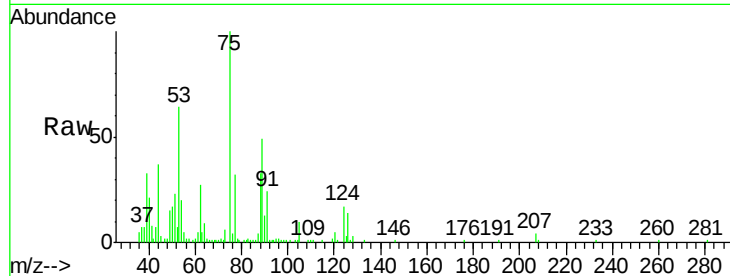
ClientSampleId :

VF0416SBS01

Tot Ion:	75	Resp:	31182
Ion Ratio	Lower	Upper	
75	100		
53	63.6	53.4	80.0
89	48.7	38.7	58.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.465 ug/l

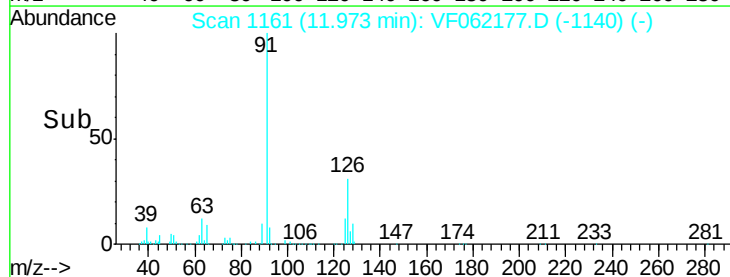
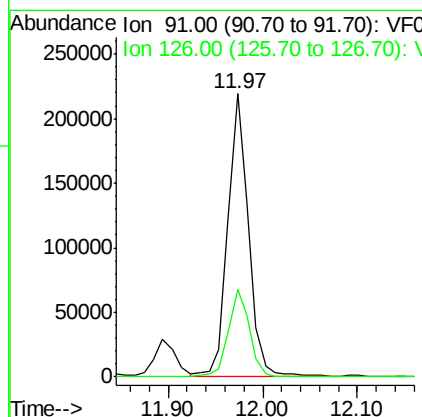
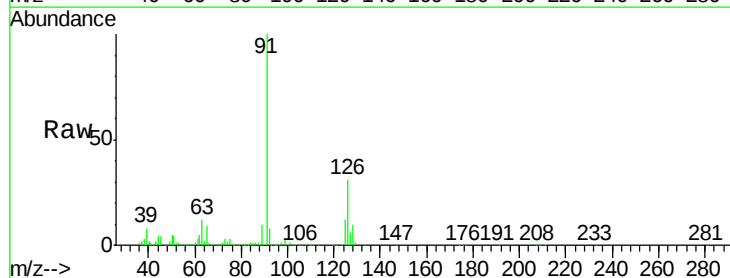
RT: 11.97 min Scan# 1161

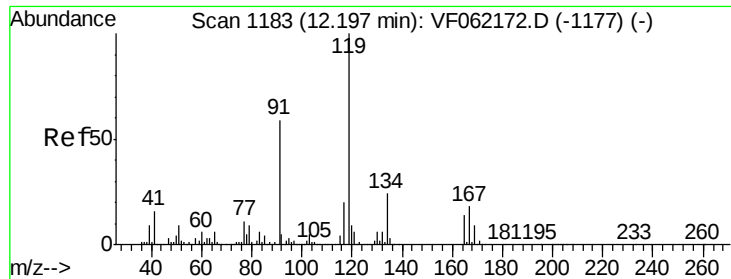
Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Tgt Ion:	91	Resp:	324888
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.9	47.7





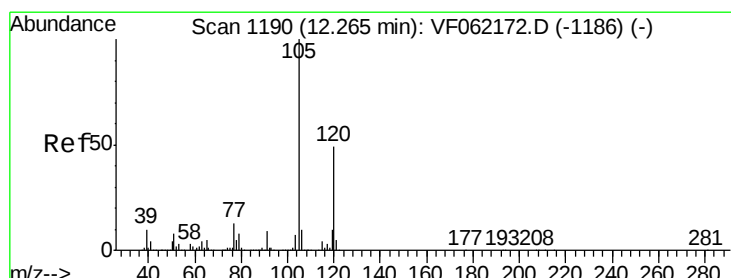
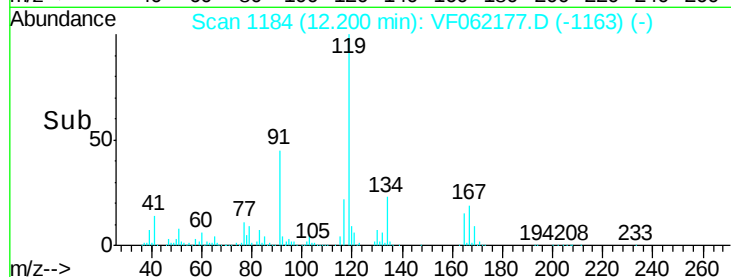
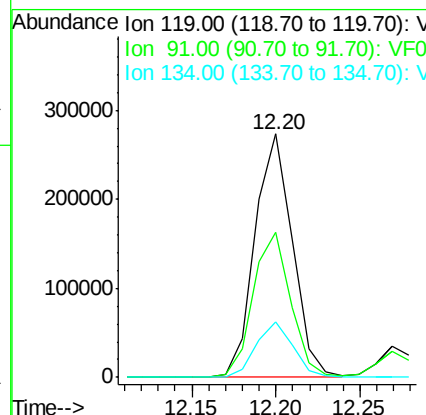
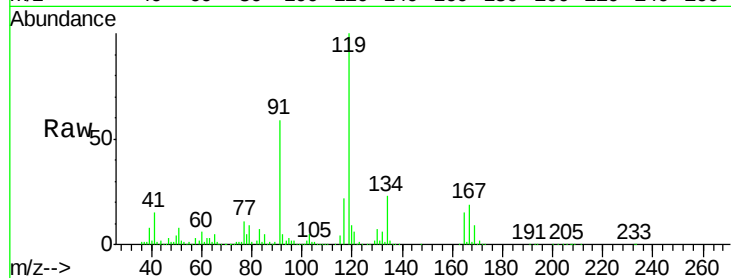
#83
tert-Butylbenzene
Concen: 23.230 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	29.5	88.5
134	22.9	12.0	36.1

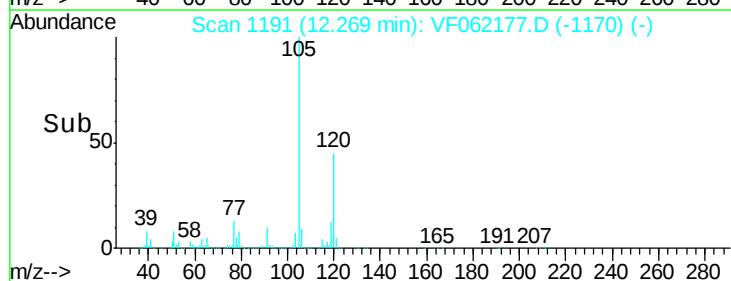
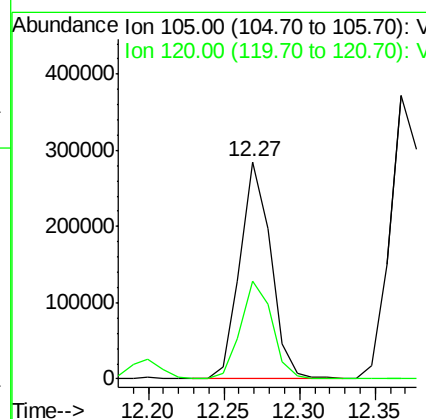
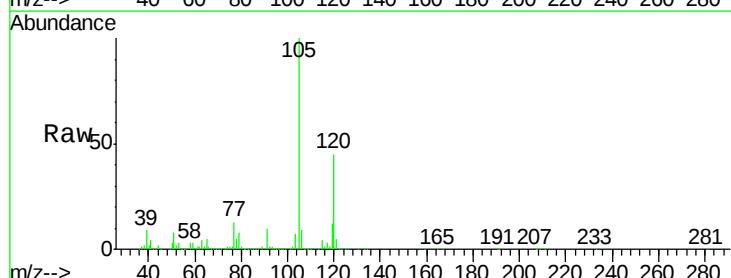
Manual Integrations
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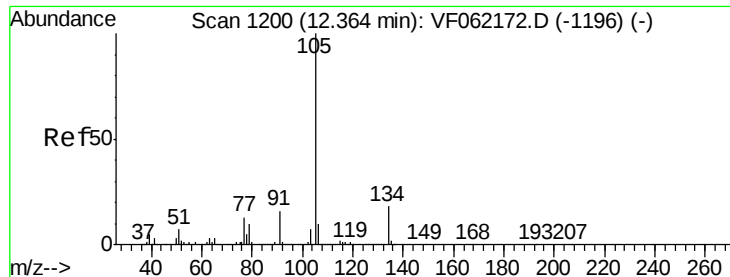
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.681 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	24.7	74.1





#85

sec-Butylbenzene

Concen: 23.339 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

Instrument :

MSVOA_F

ClientSampleId :

VF0416SBS01

Tot Ion:105 Resp: 559808

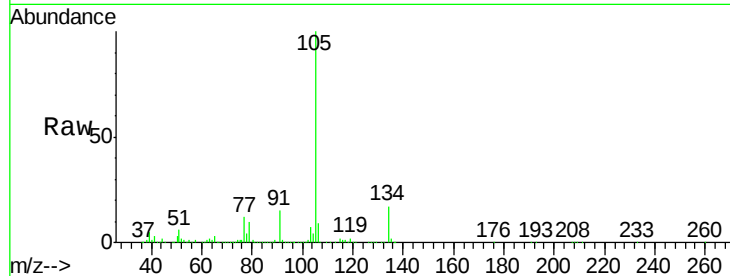
Ion Ratio Lower Upper

105 100

134 17.1 9.0 27.0

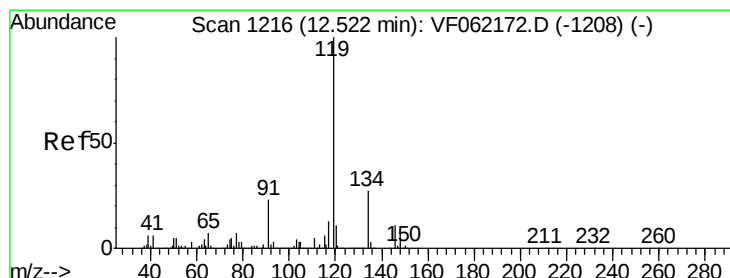
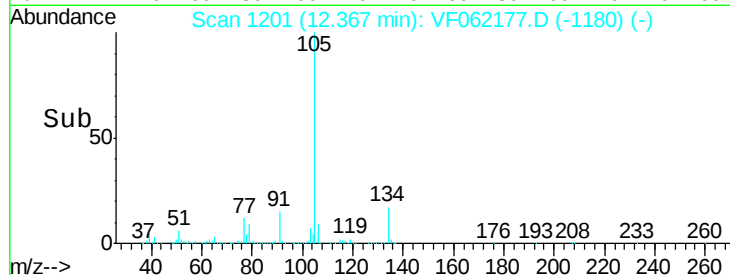
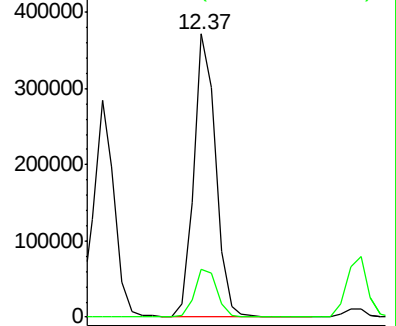
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.387 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062177.D

Acq: 16 Apr 2019 15:48

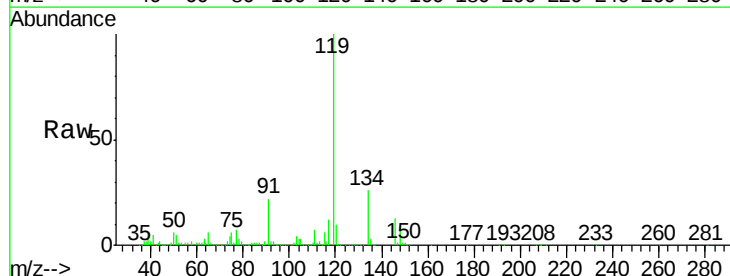
Tgt Ion:119 Resp: 477898

Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.5

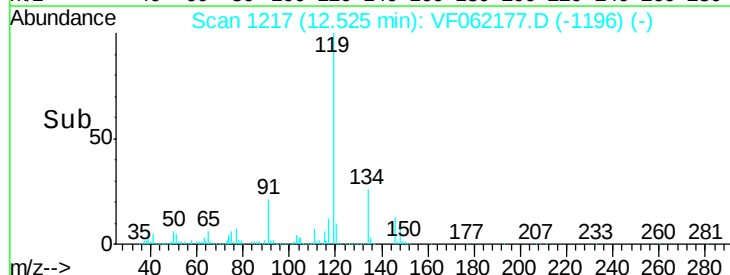
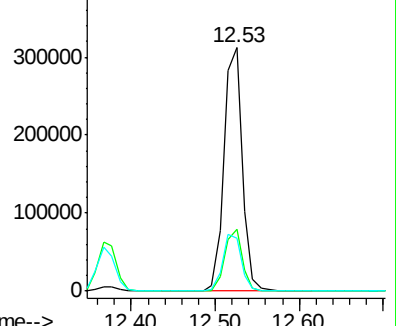
91 21.6 11.5 34.5

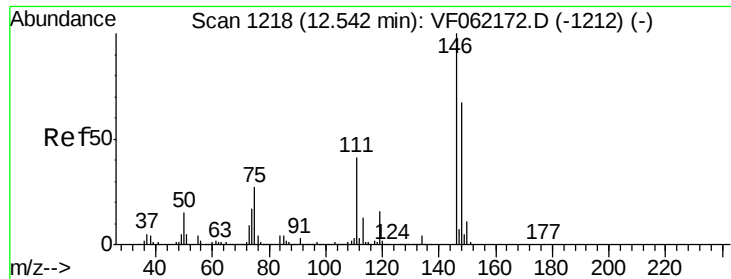


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





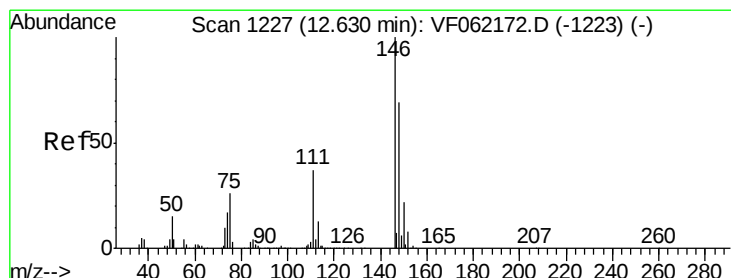
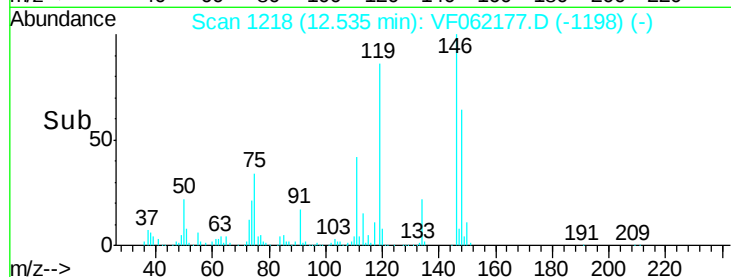
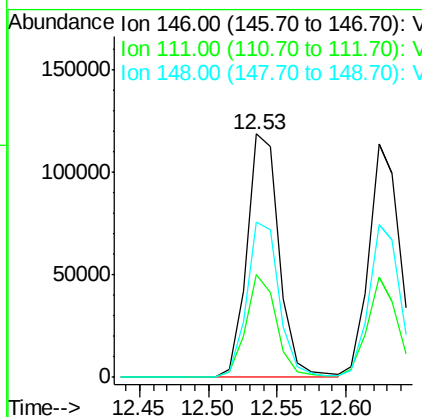
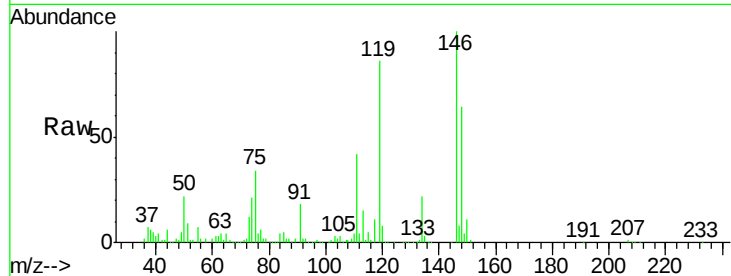
#87
 1,3-Dichlorobenzene
 Concen: 23.145 ug/l
 RT: 12.53 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.6
148	64.0	33.6	100.8

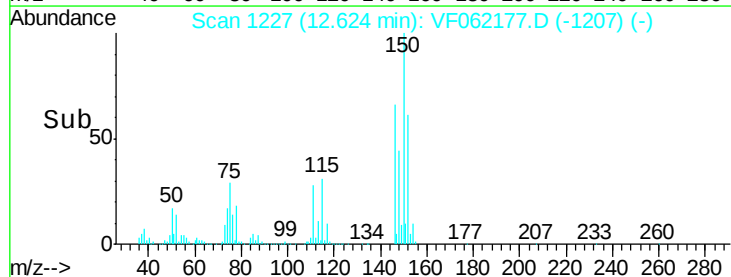
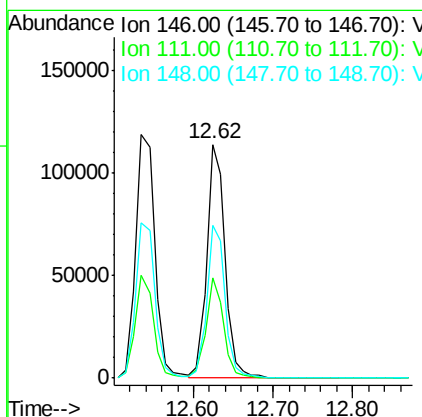
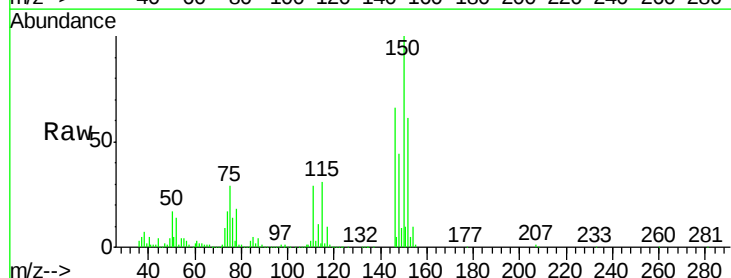
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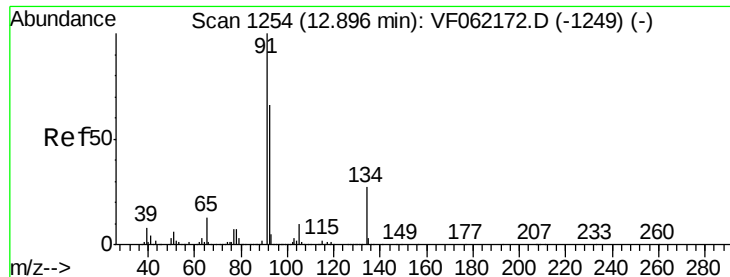
MMDadoda
 4/17/2019 11:49:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.233 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	18.6	55.6
148	65.5	34.3	102.8





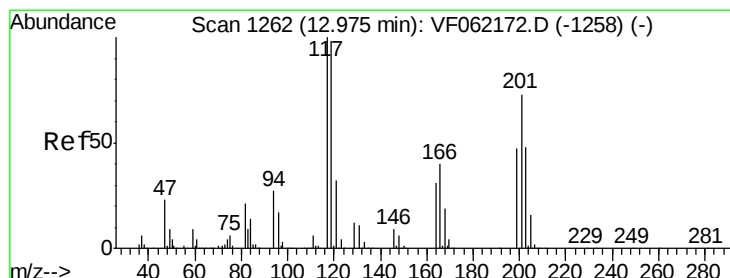
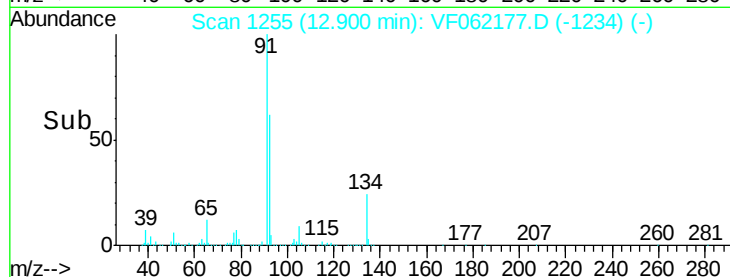
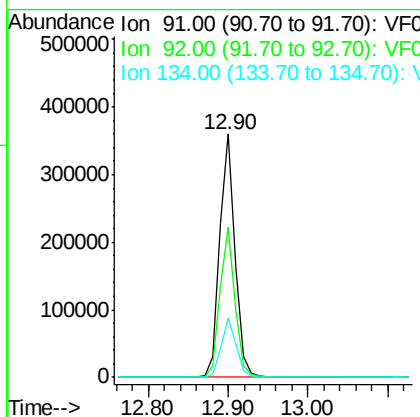
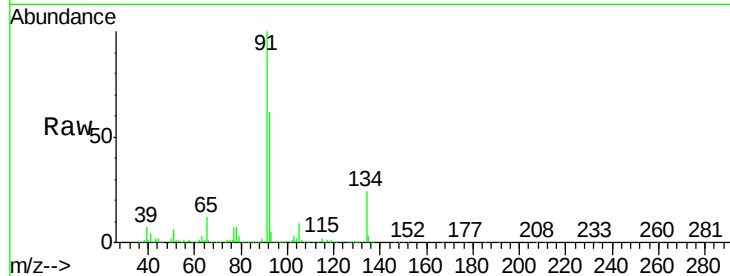
#89
n-Butylbenzene
Concen: 22.769 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.6	32.9	98.6
134	24.2	13.4	40.2

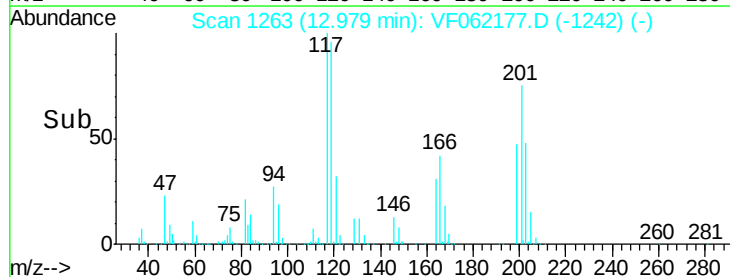
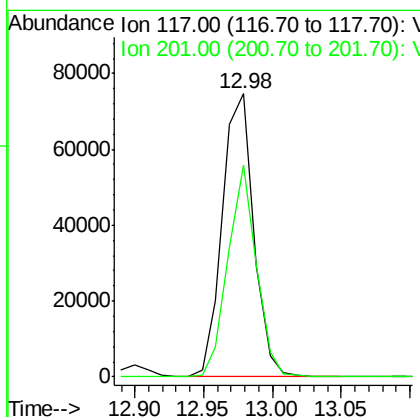
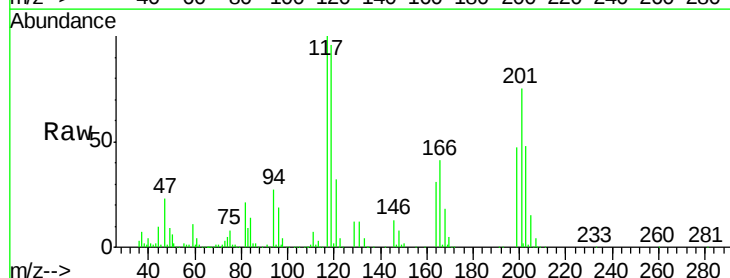
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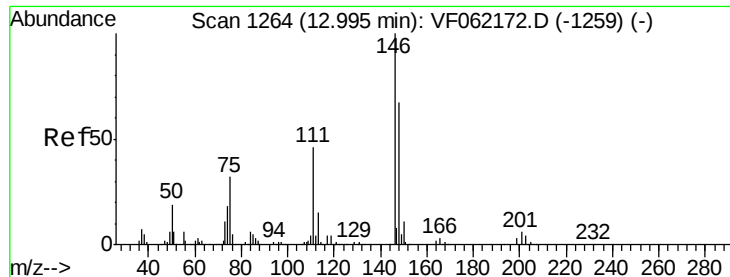
MMDadoda
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#90
Hexachloroethane
Concen: 23.574 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	36.7	110.1





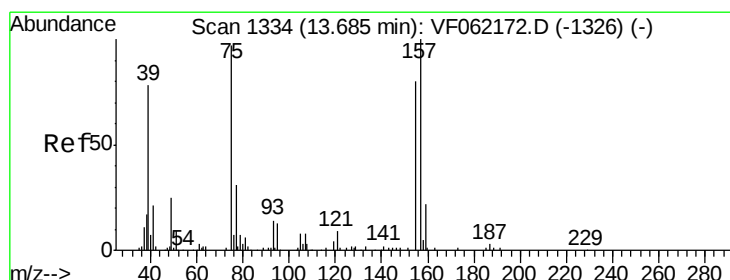
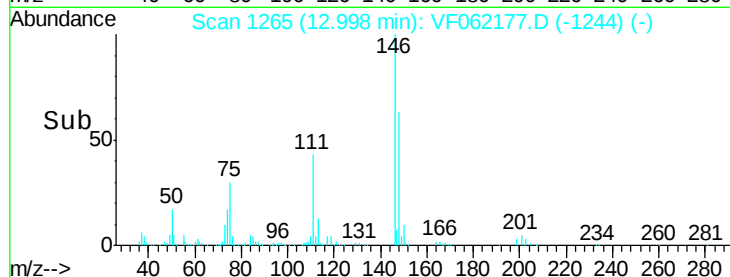
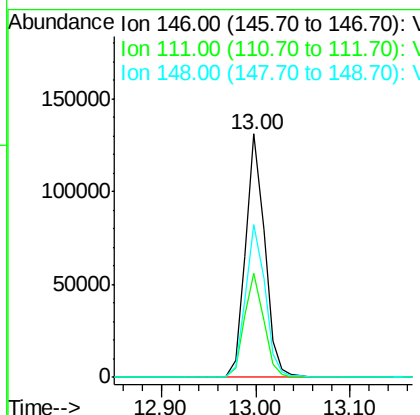
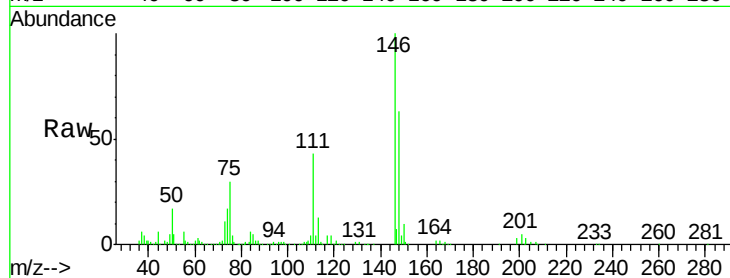
#91
 1,2-Dichlorobenzene
 Concen: 23.095 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.9	68.8
148	62.6	33.6	100.6

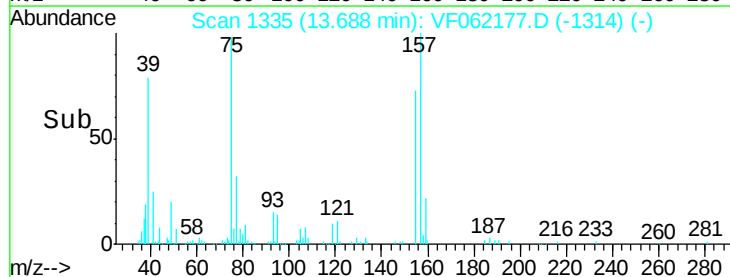
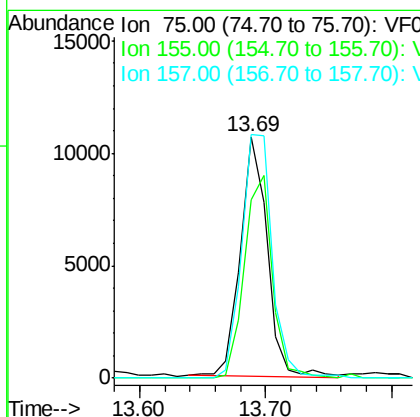
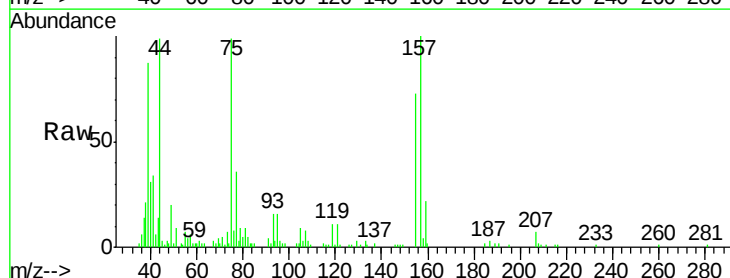
Manual Integrations
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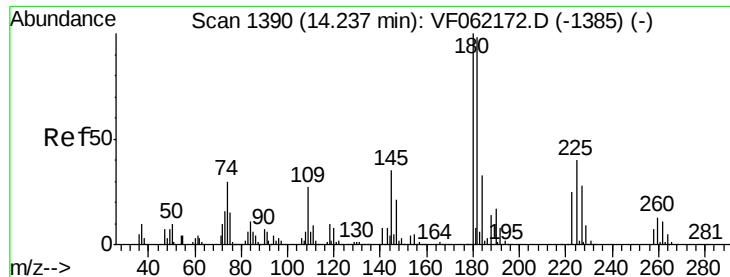
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.187 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	41.0	123.0
157	100.7	51.3	154.0





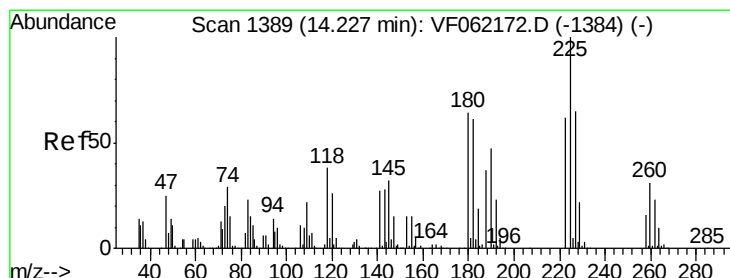
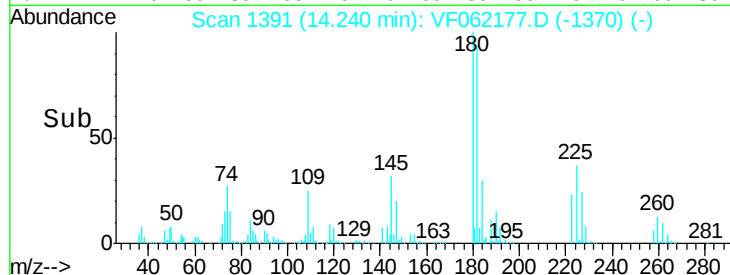
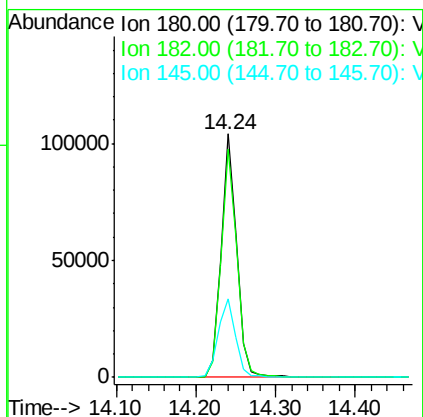
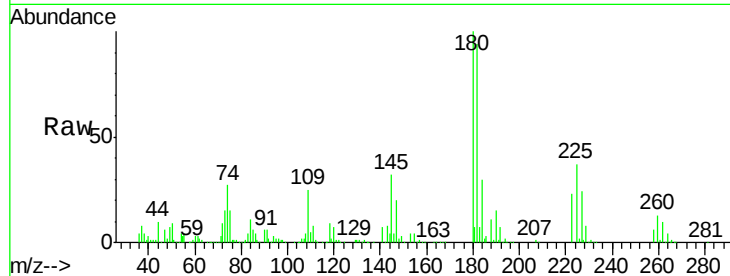
#93
 1,2,4-Trichlorobenzene
 Concen: 23.937 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144590		
182	93.6	48.8	146.4	
145	32.4	17.3	52.0	

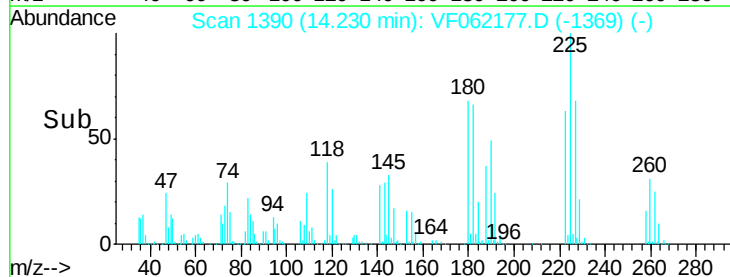
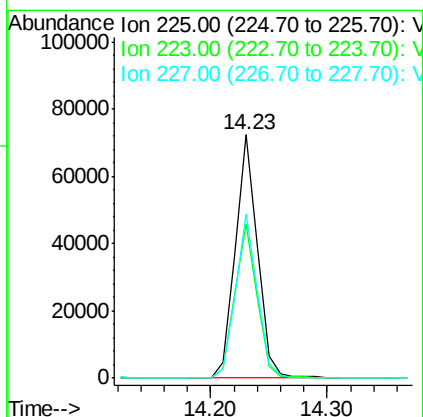
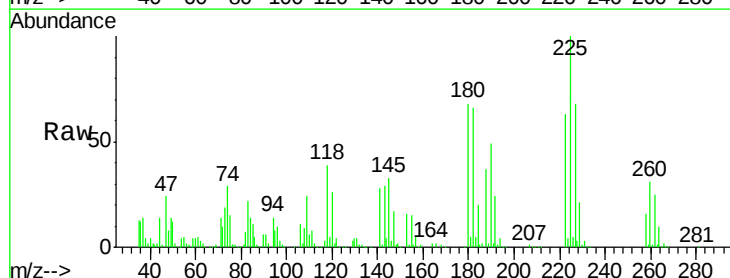
Manual Integrations
 APPROVED

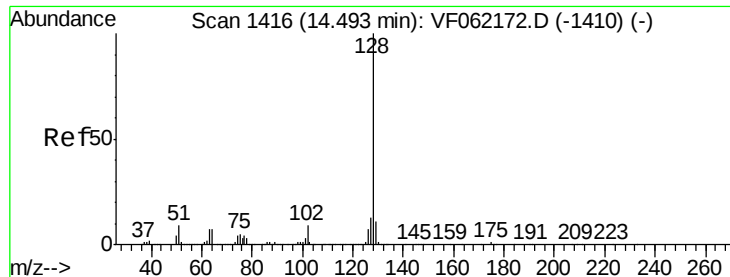
MMDadoda
 4/17/2019 11:49:49 AM



#94
 Hexachlorobutadiene
 Concen: 24.223 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062177.D
 Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95357		
223	63.5	30.9	92.7	
227	67.7	32.3	96.9	





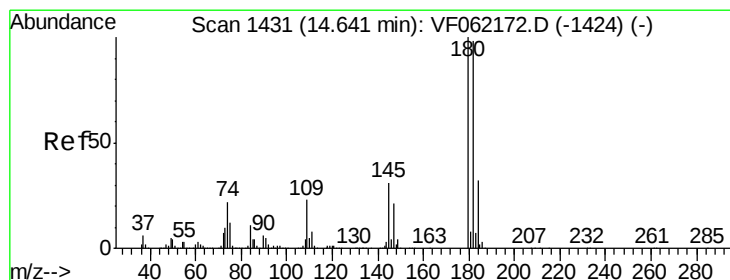
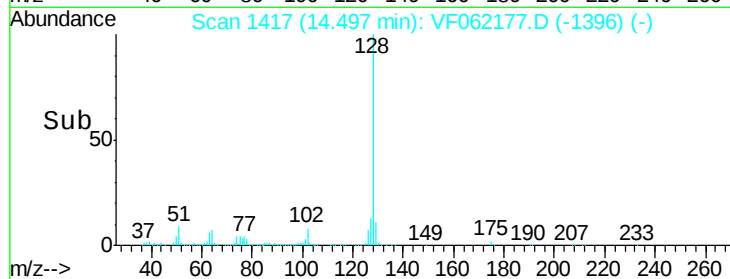
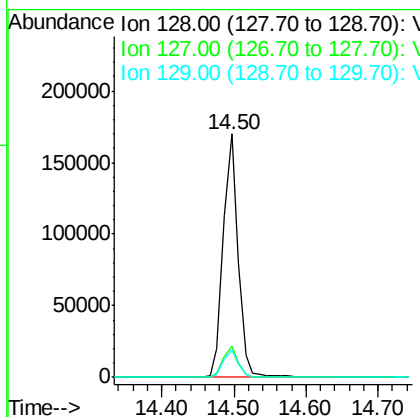
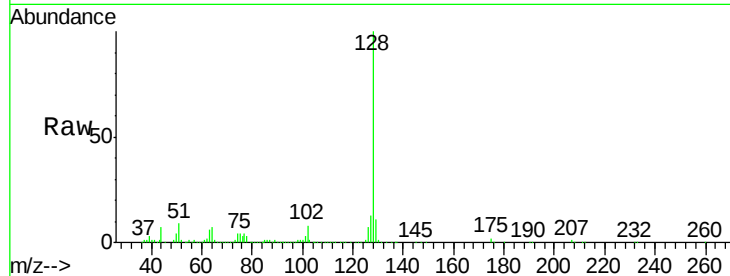
#95
Naphthalene
Concen: 23.154 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Instrument :
MSVOA_F
ClientSampleId :
VF0416SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	244351		
127	12.6	10.3	15.5	
129	11.2	9.2	13.8	

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:49:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.655 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062177.D
Acq: 16 Apr 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133123		
182	100.1	49.0	147.2	
145	30.2	15.4	46.2	

