

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061825.D
 Acq On : 4 Mar 2019 17:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:25 AM

Quant Time: Mar 05 04:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	314879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	456249	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	398478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112371	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
35) Dibromofluoromethane	4.12	113	153714	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
50) Toluene-d8	7.56	98	459551	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.42	95	182557	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	192522	53.241	ug/l	93
3) Chloromethane	1.09	50	184198	48.550	ug/l	95
4) Vinyl Chloride	1.14	62	179127	50.787	ug/l	95
5) Bromomethane	1.32	94	124884	51.447	ug/l	99
6) Chloroethane	1.40	64	88269	50.783	ug/l	98
7) Trichlorofluoromethane	1.49	101	224661m	52.811	ug/l	
8) Diethyl Ether	1.64	74	52008	48.512	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	145942	47.555	ug/l	96
10) Methyl Iodide	1.92	142	284417m	48.516	ug/l	
11) Tert butyl alcohol	2.58	59	32447	242.806	ug/l	98
12) 1,1-Dichloroethene	1.80	96	135145	50.087	ug/l	100
13) Acrolein	2.01	56	40440	240.781	ug/l	94
14) Allyl chloride	2.10	41	149400	45.123	ug/l	97
15) Acrylonitrile	2.95	53	102308	215.839	ug/l	97
16) Acetone	2.24	43	119096	240.394	ug/l	94
17) Carbon Disulfide	1.82	76	434647m	51.247	ug/l	
18) Methyl Acetate	2.36	43	50108	44.897	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	236384	51.261	ug/l	99
20) Methylene Chloride	2.19	84	134225m	44.850	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	120230	40.990	ug/l	93
22) Diisopropyl ether	2.81	45	395274	49.734	ug/l	98
23) Vinyl Acetate	3.19	43	884514	227.855	ug/l	98
24) 1,1-Dichloroethane	2.87	63	231480	48.128	ug/l	100
25) 2-Butanone	4.35	43	243263	224.796	ug/l	98
26) 2,2-Dichloropropane	3.61	77	103602	50.853	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	184098	47.818	ug/l	98
28) Bromochloromethane	3.73	49	95085	41.202	ug/l	99
29) Tetrahydrofuran	4.08	42	100673	204.684	ug/l	98
30) Chloroform	3.86	83	272793	49.873	ug/l	93
31) Cyclohexane	3.70	56	248400m	47.707	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	163567	45.651	ug/l	97
36) 1,1-Dichloropropene	4.29	75	225455	49.883	ug/l	94
37) Ethyl Acetate	4.12	43	88184	42.007	ug/l #	77
38) Carbon Tetrachloride	4.00	117	166626	53.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	274448	51.344	ug/l	99
40) Benzene	4.64	78	594498	50.287	ug/l	99
41) Methacrylonitrile	4.75	41	49555	46.159	ug/l #	94
42) 1,2-Dichloroethane	4.95	62	153494	54.279	ug/l	94
43) Isopropyl Acetate	6.97	43	119564	48.116	ug/l #	99
44) Trichloroethene	5.51	130	186365	48.749	ug/l	98
45) 1,2-Dichloropropane	6.24	63	141231	49.423	ug/l	98
46) Dibromomethane	6.09	93	86732	49.295	ug/l	89
47) Bromodichloromethane	6.39	83	198301	51.467	ug/l	99
48) Methyl methacrylate	6.72	41	75444	50.451	ug/l	97
49) 1,4-Dioxane	6.71	88	15439	1098.282	ug/l	89
51) 4-Methyl-2-Pentanone	8.26	43	392929	221.301	ug/l	97
52) Toluene	7.63	92	350725	48.917	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	160661	50.102	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	222450	52.080	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	99023	47.007	ug/l	96
56) Ethyl methacrylate	8.63	69	113114	48.229	ug/l	96
57) 1,3-Dichloropropane	8.86	76	173479	49.338	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.31	63	82829	204.687	ug/l	99
59) 2-Hexanone	9.49	43	275331	221.219	ug/l	99
60) Dibromochloromethane	8.73	129	143816	49.049	ug/l	99
61) 1,2-Dibromoethane	8.99	107	112149	49.084	ug/l	96
64) Tetrachloroethene	8.16	164	165946	50.949	ug/l	99
65) Chlorobenzene	9.80	112	404986	50.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	152690	48.190	ug/l	99
67) Ethyl Benzene	9.91	91	678445	50.453	ug/l	98
68) m/p-Xylenes	10.14	106	487344	94.697	ug/l	96
69) o-Xylene	10.72	106	280245	51.033	ug/l	95
70) Styrene	10.80	104	381575	49.118	ug/l	98
71) Bromoform	10.78	173	83163	48.335	ug/l	99
73) Isopropylbenzene	11.13	105	772865	50.427	ug/l	99
74) N-amyl acetate	11.38	43	177779	48.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127093	46.287	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	85136	45.605	ug/l	94
77) Bromobenzene	11.50	156	182743	48.264	ug/l	88
78) n-propylbenzene	11.59	91	875815	49.798	ug/l	96
79) 2-Chlorotoluene	11.72	91	487514	49.495	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	619688	50.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	37390m	41.778	ug/l	
82) 4-Chlorotoluene	11.90	91	516229	50.494	ug/l	93
83) tert-Butylbenzene	12.14	119	677031	49.901	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	626745	51.501	ug/l	99
85) sec-Butylbenzene	12.30	105	873416	49.782	ug/l	96
86) p-Isopropyltoluene	12.46	119	708617	48.125	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	341001	46.197	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	332361	46.819	ug/l	97
89) n-Butylbenzene	12.85	91	687503	49.446	ug/l	95
90) Hexachloroethane	12.92	117	182179	53.198	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	324292	46.190	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19767	45.406	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	224629	44.636	ug/l	98
94) Hexachlorobutadiene	14.19	225	157026	50.523	ug/l	98
95) Naphthalene	14.45	128	420383	47.745	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	218811	47.372	ug/l	96

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

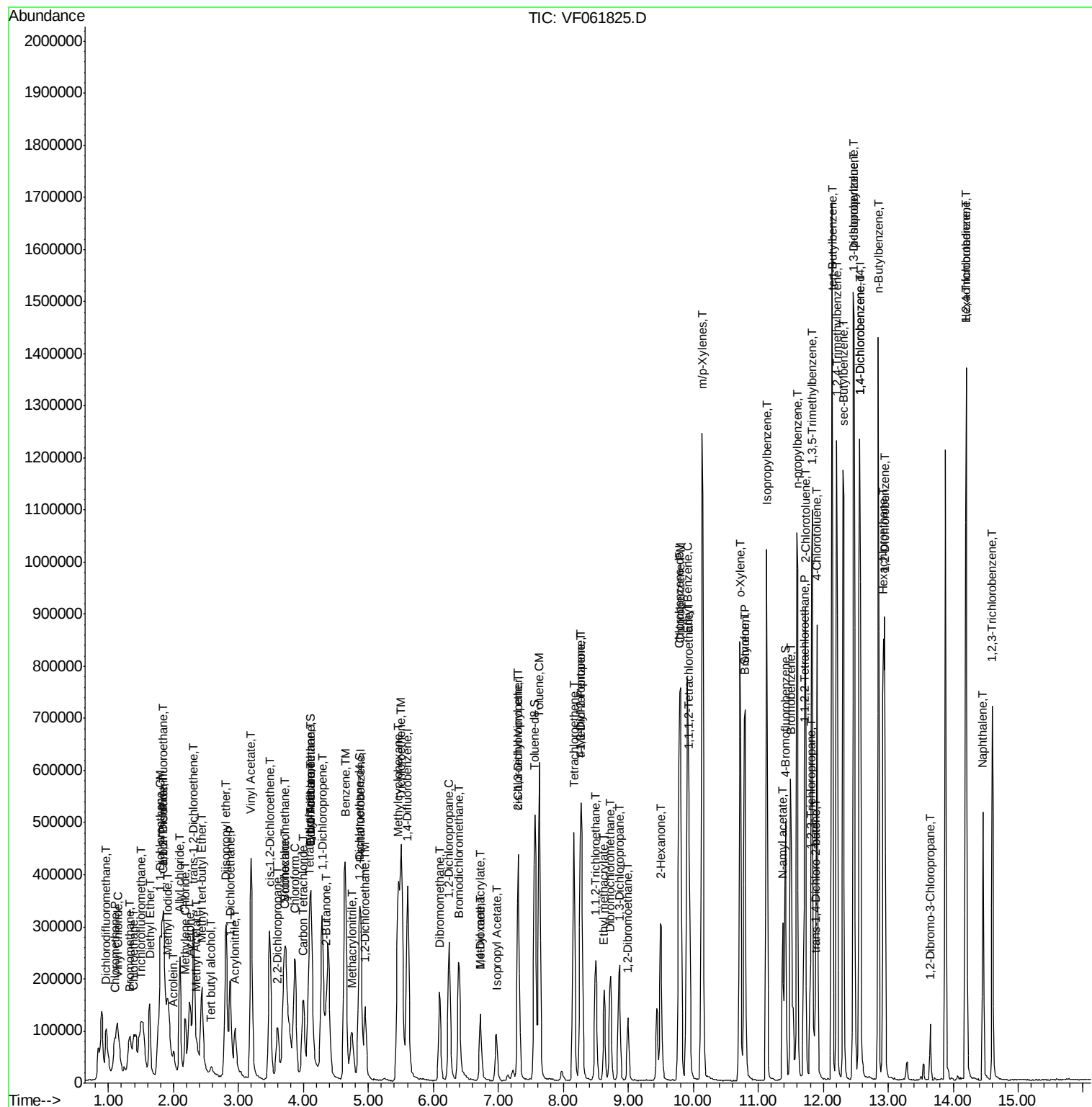
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
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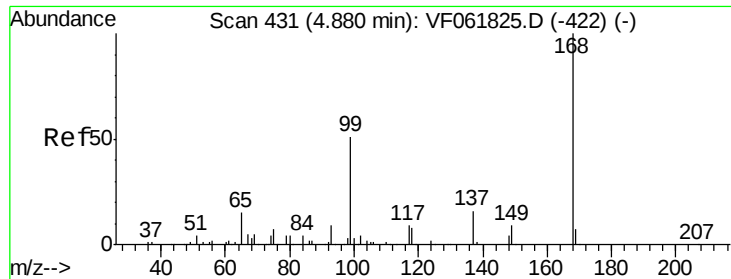
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 314879

Ion Ratio Lower Upper

168 100

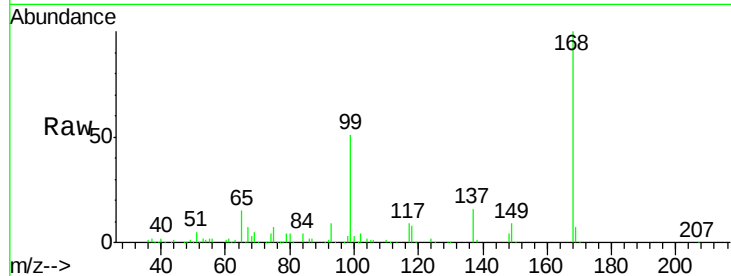
99 51.0 34.9 52.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

60000

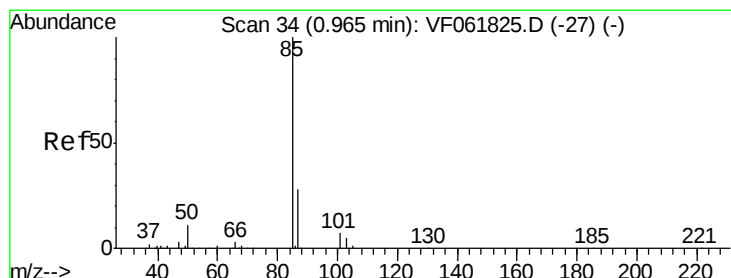
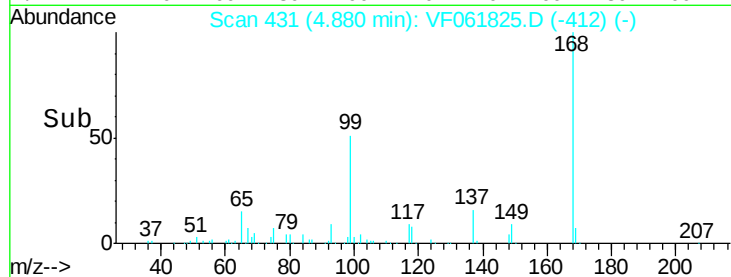
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.241 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061825.D

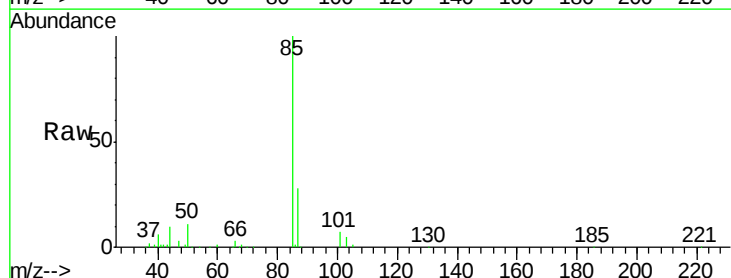
Acq: 4 Mar 2019 17:30

Tgt Ion: 85 Resp: 192522

Ion Ratio Lower Upper

85 100

87 28.1 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

60000

50000

40000

30000

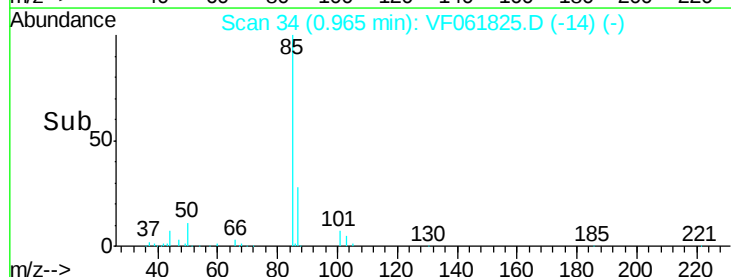
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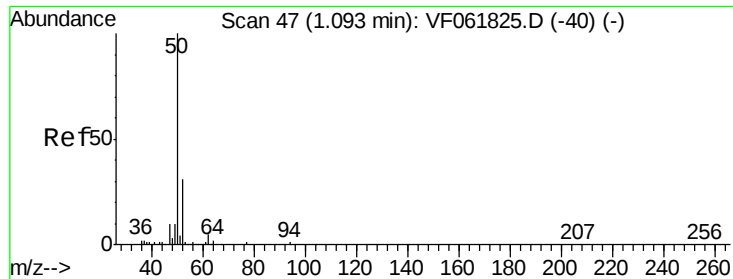
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 48.550 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 184198

Ion Ratio Lower Upper

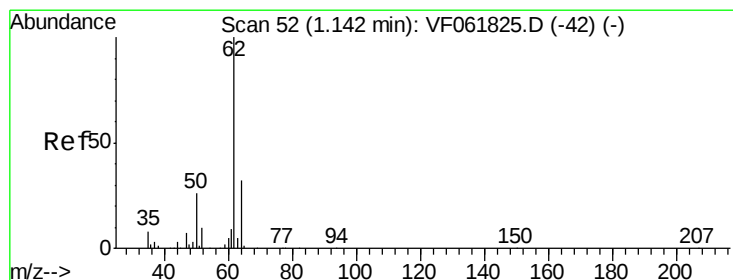
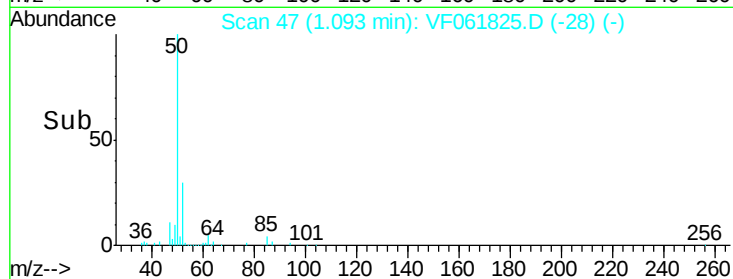
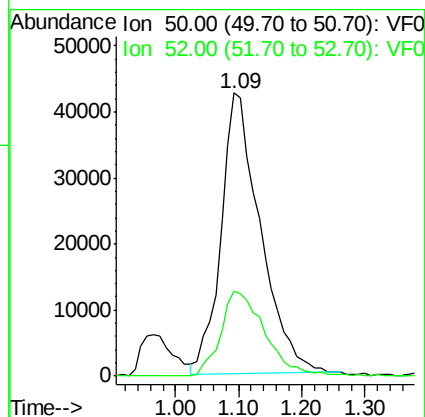
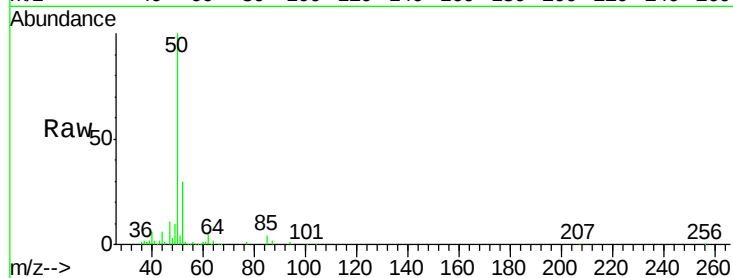
50 100

52 29.8 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.787 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061825.D

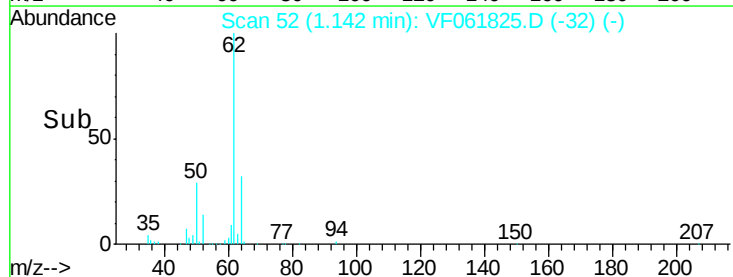
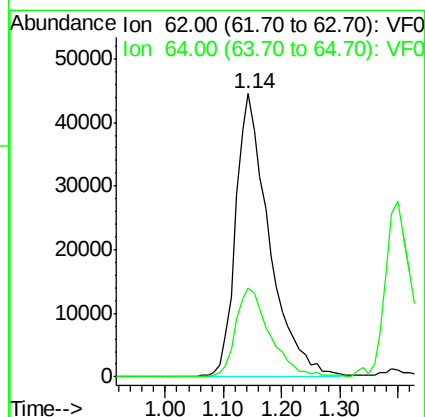
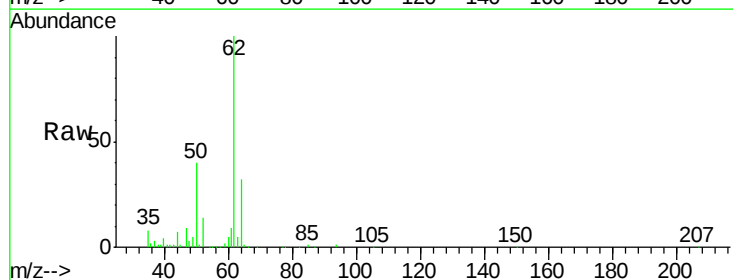
Acq: 4 Mar 2019 17:30

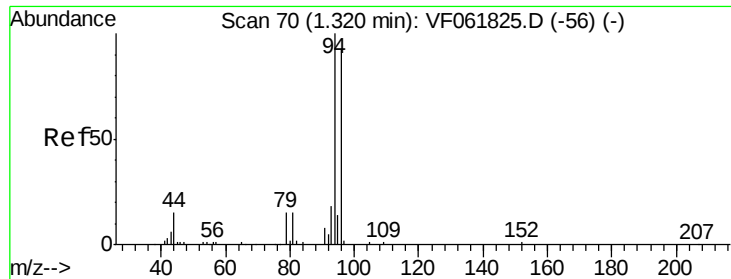
Tgt Ion: 62 Resp: 179127

Ion Ratio Lower Upper

62 100

64 31.5 27.5 41.3





#5

Bromomethane

Concen: 51.447 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 124884

Ion Ratio Lower Upper

94 100

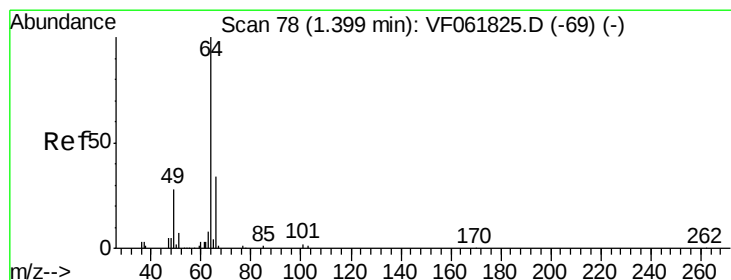
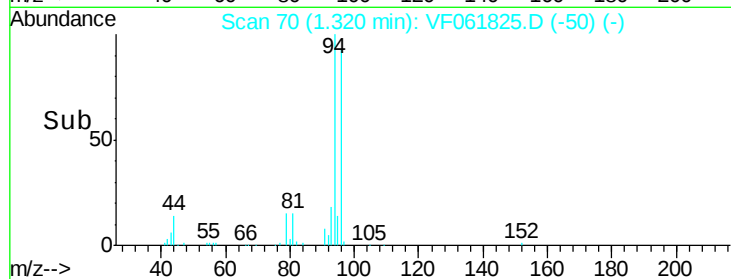
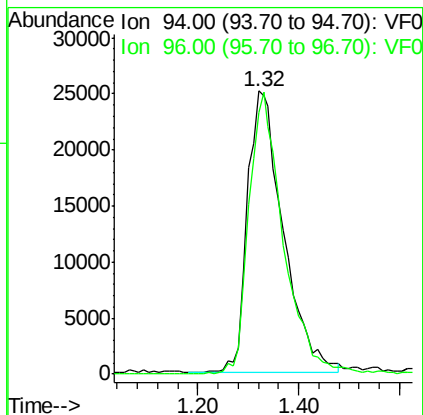
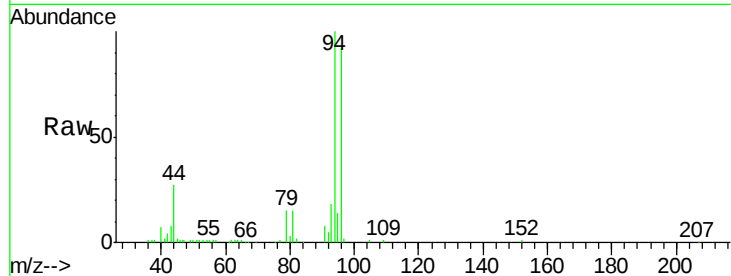
96 94.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 50.783 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061825.D

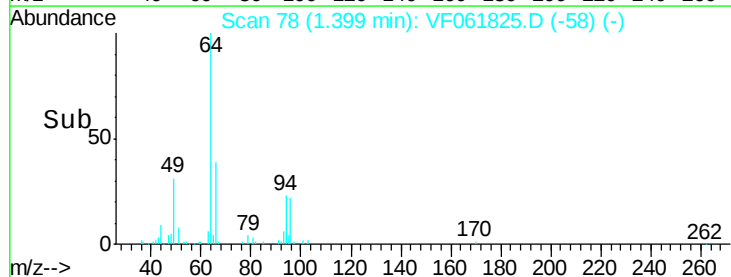
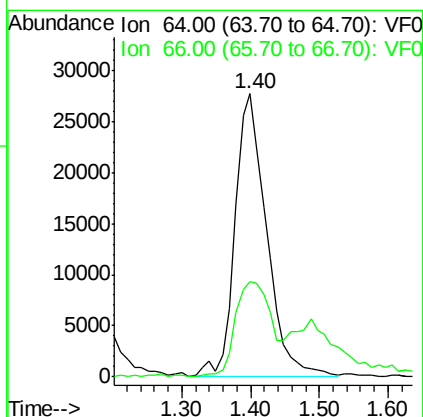
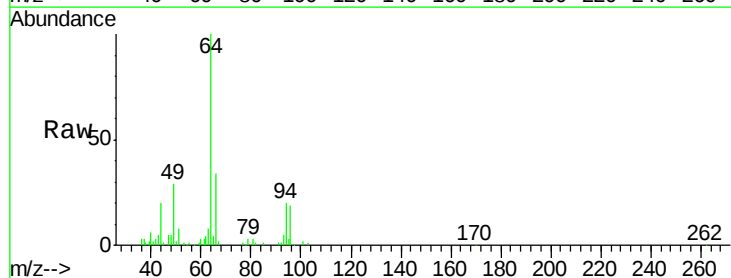
Acq: 4 Mar 2019 17:30

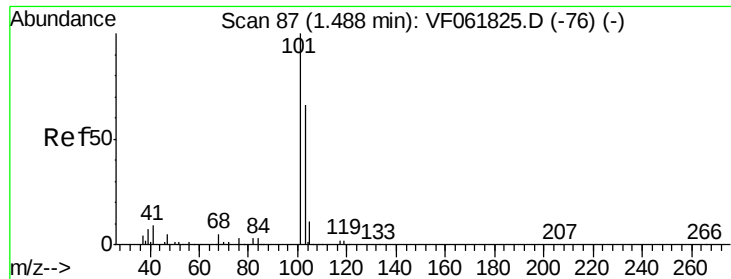
Tgt Ion: 64 Resp: 88269

Ion Ratio Lower Upper

64 100

66 33.7 27.9 41.9





#7

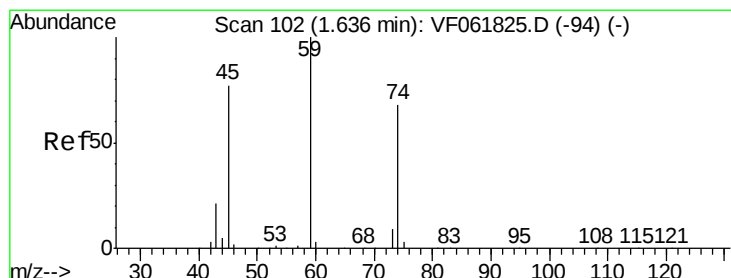
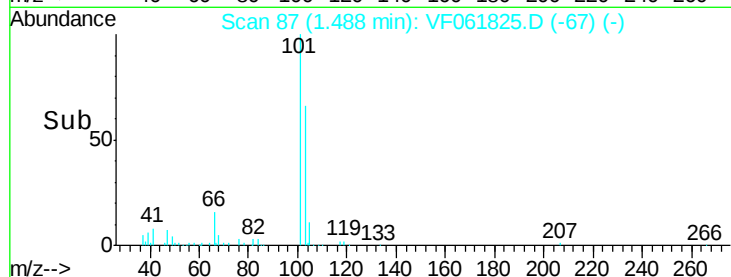
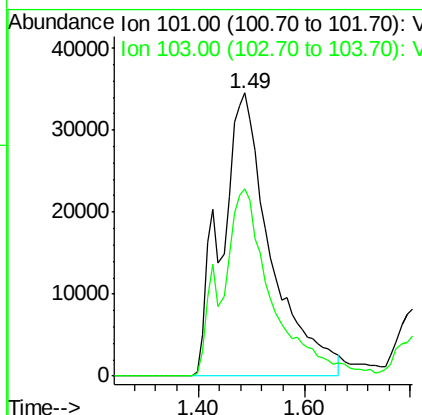
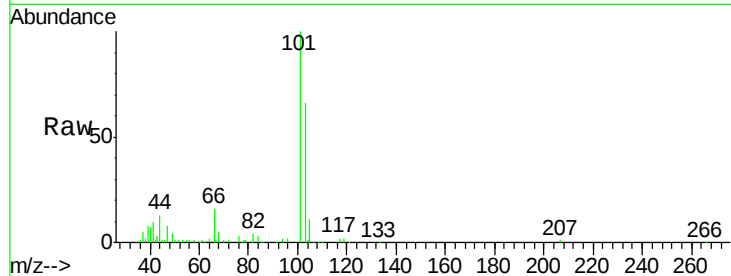
Trichlorofluoromethane
Concen: 52.811 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	49.3	73.9

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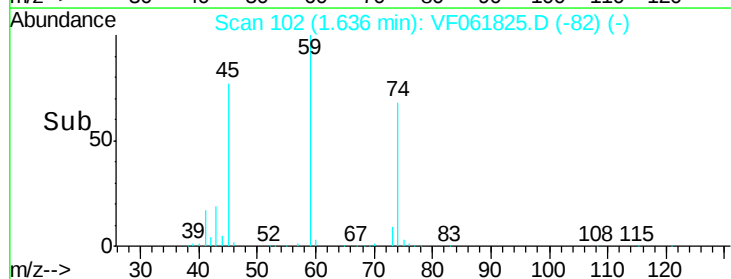
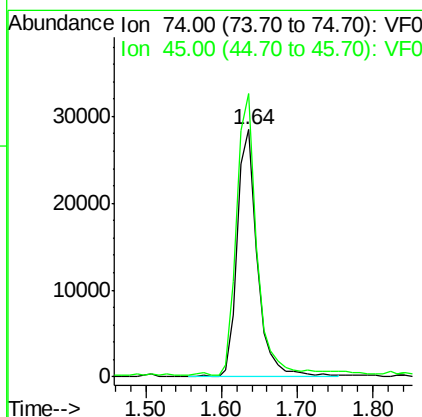
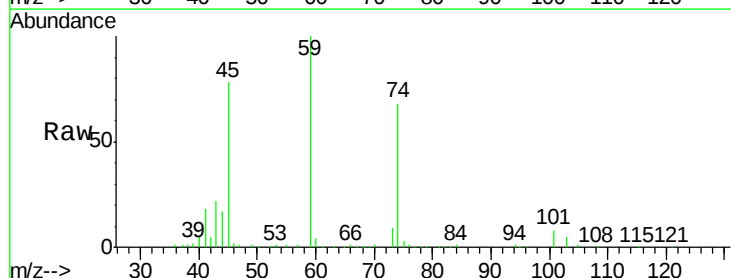
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3/5/2019 10:47:25 AM

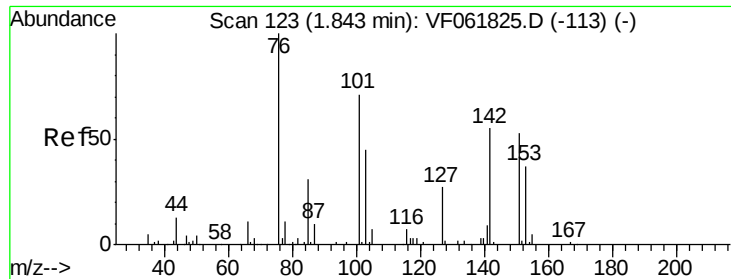


#8

Diethyl Ether
Concen: 48.512 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.4	60.8	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.555 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

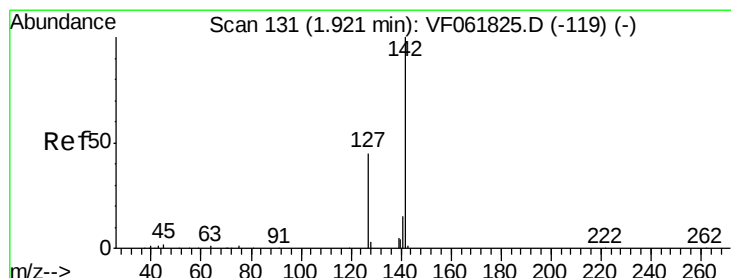
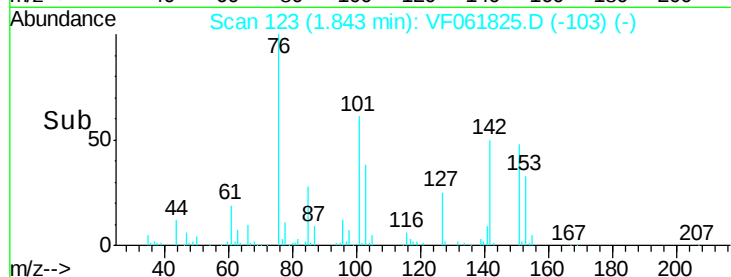
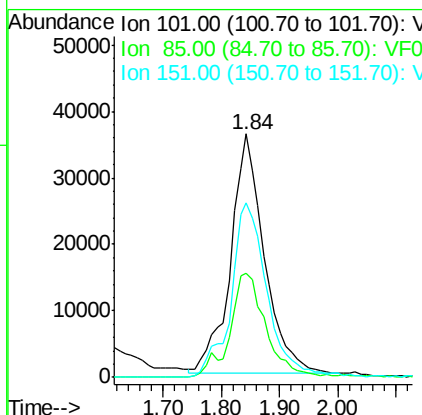
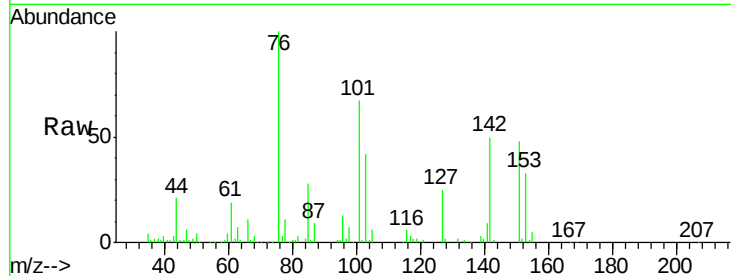
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	145942
Ion Ratio	Lower	Upper	
101	100		
85	42.5	29.8	44.6
151	71.6	56.3	84.5

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#10

Methyl Iodide

Concen: 48.516 ug/l m

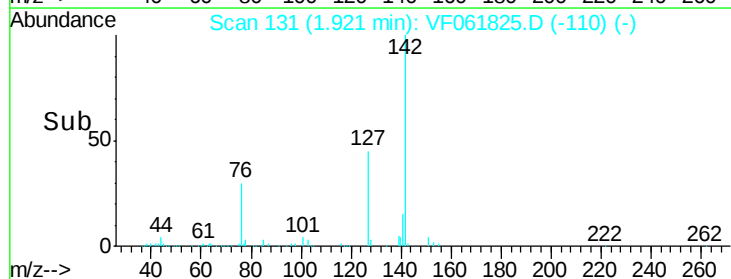
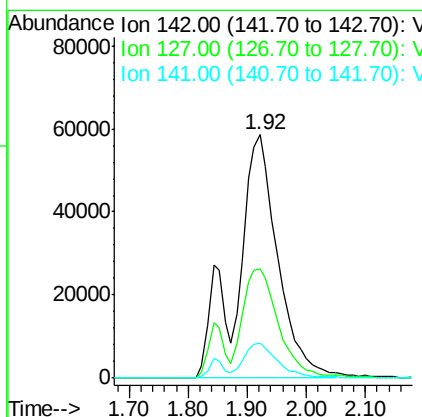
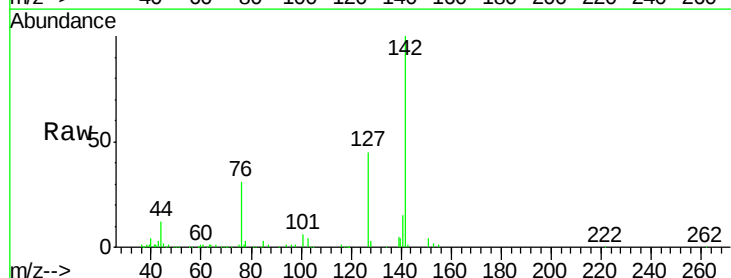
RT: 1.92 min Scan# 131

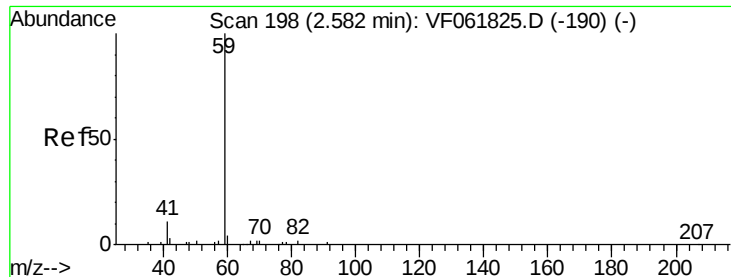
Delta R.T. 0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	142	Resp:	284417
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.6	55.0
141	14.6	11.0	16.6





#11

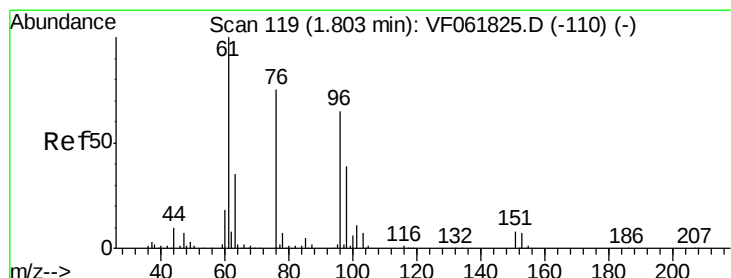
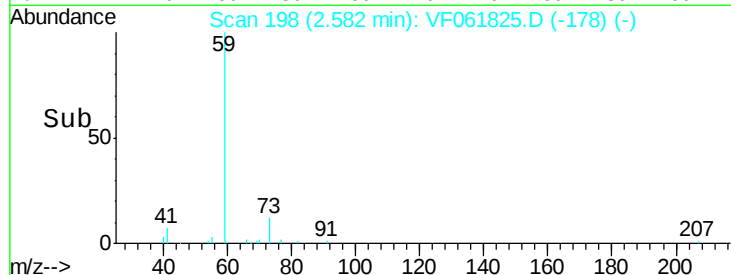
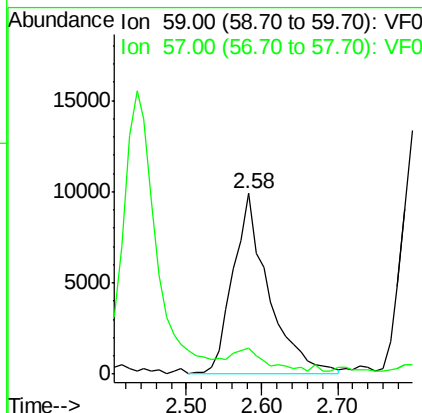
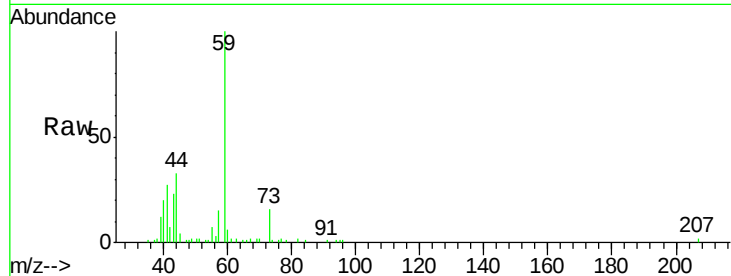
Tert butyl alcohol
Concen: 242.806 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	32447
Ion Ratio	100	Lower	Upper
57	14.7	12.5	18.7

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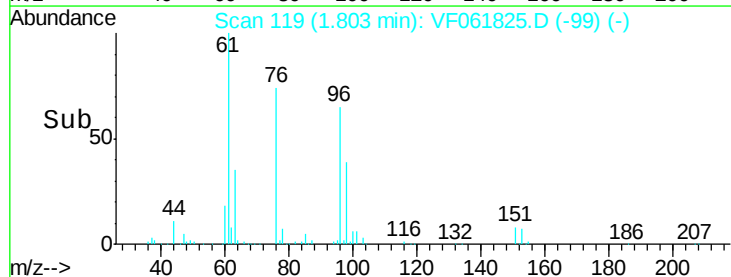
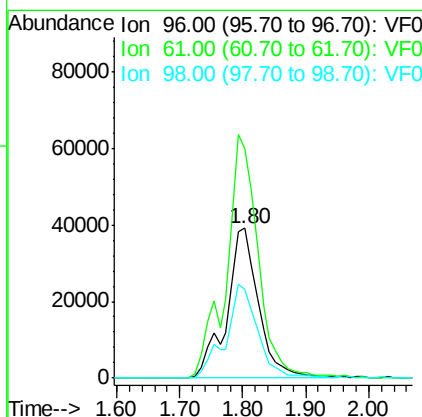
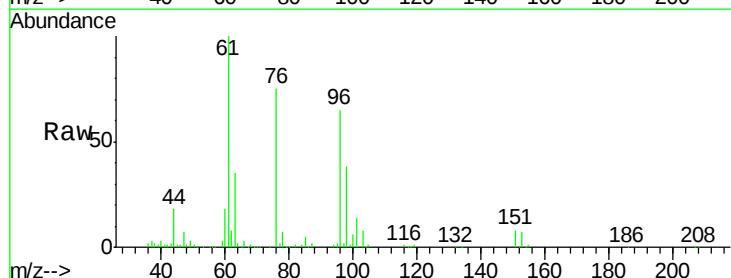
MMDadoda
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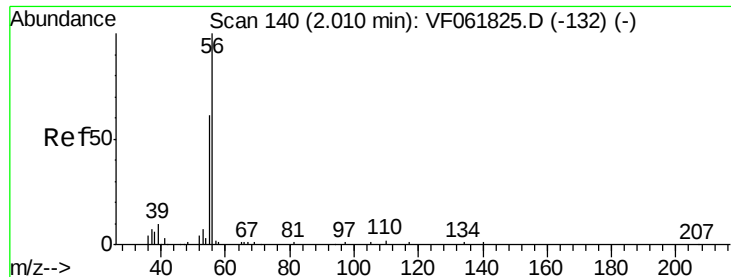


#12

1,1-Dichloroethene
Concen: 50.087 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	96	Resp	135145
Ion Ratio	100	Lower	Upper
61	153.1	122.6	184.0
98	58.9	47.2	70.8





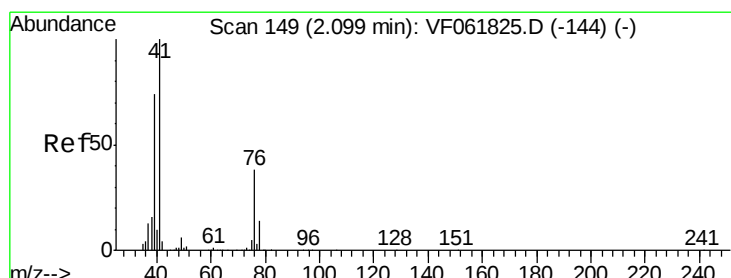
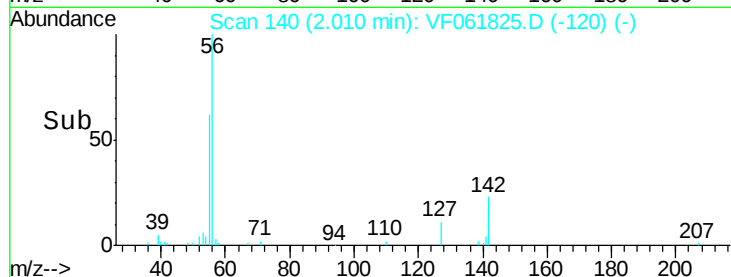
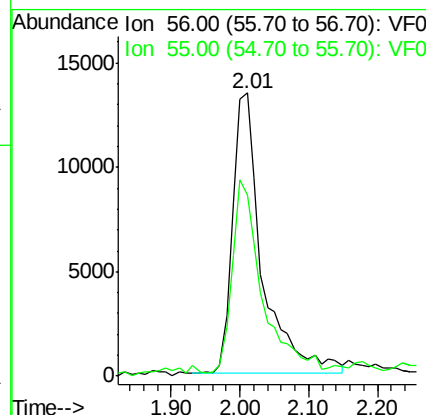
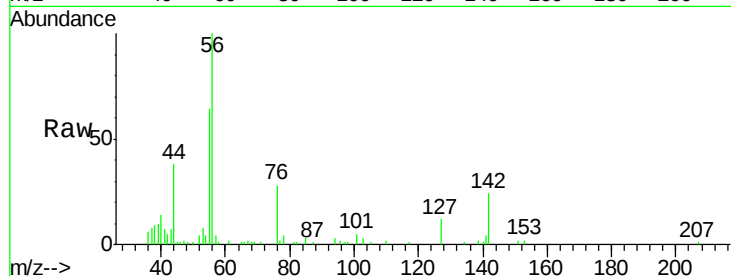
#13
Acrolein
Concen: 240.781 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	64.1	55.0	82.6

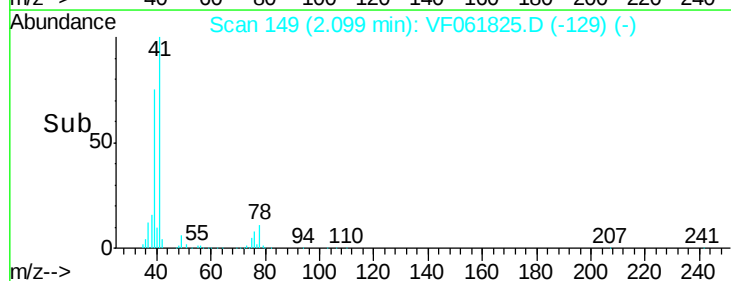
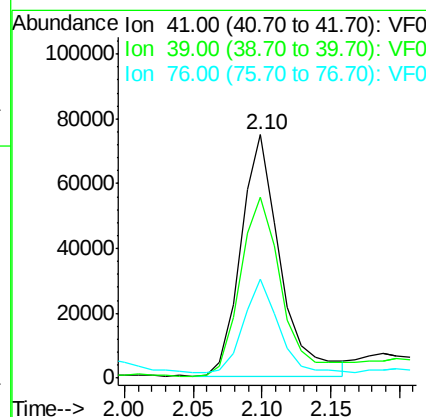
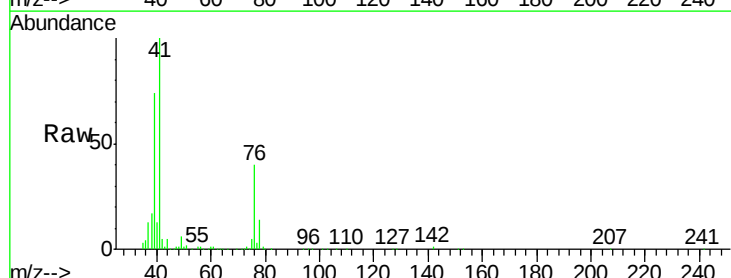
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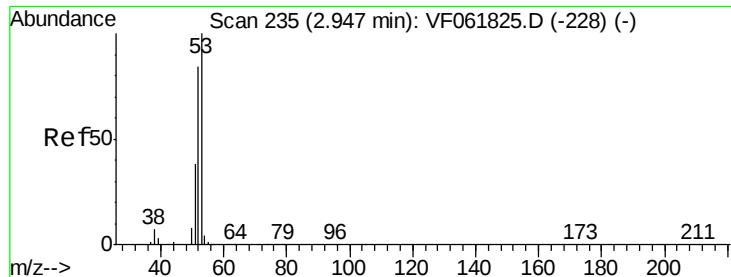
MMDadoda
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#14
Allyl chloride
Concen: 45.123 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	74.5	61.6	92.4
76	76	40.4	30.3	45.5





#15

Acrylonitrile

Concen: 215.839 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

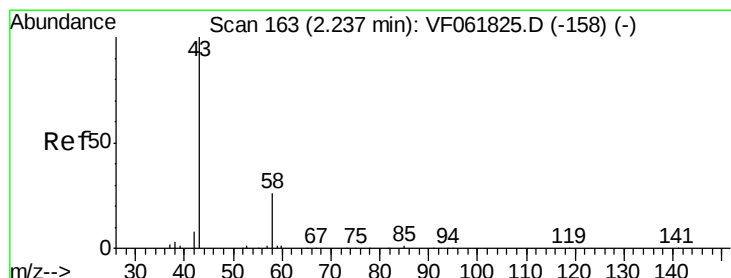
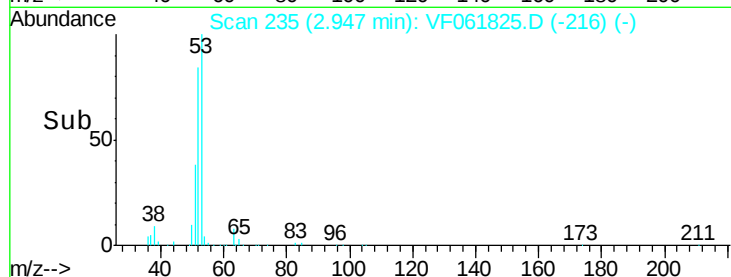
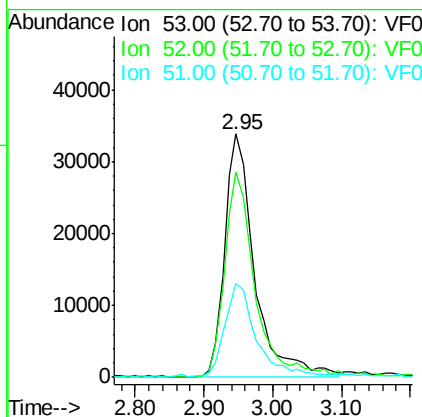
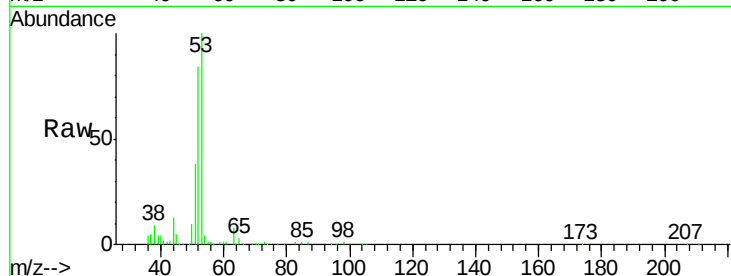
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	102308
Ion	Ratio	Lower	Upper
53	100		
52	84.2	64.6	97.0
51	38.4	29.8	44.8

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#16

Acetone

Concen: 240.394 ug/l

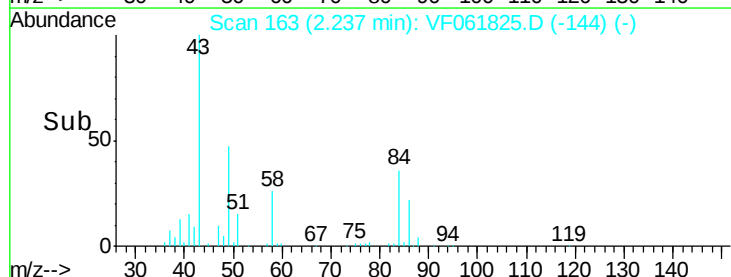
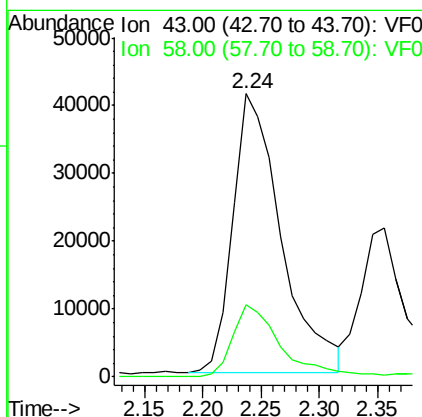
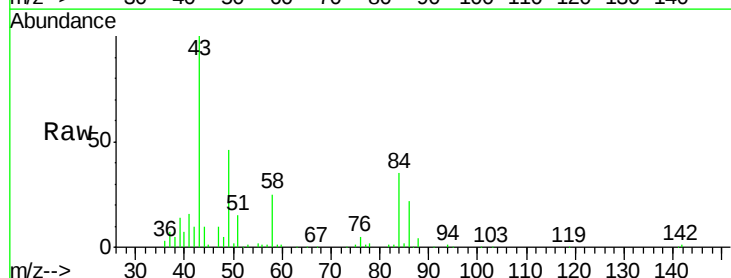
RT: 2.24 min Scan# 163

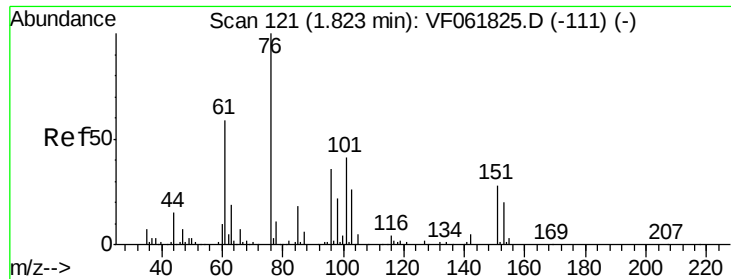
Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	43	Resp:	119096
Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.9	34.3





#17

Carbon Disulfide

Concen: 51.247 ug/l m

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tot Ion: 76 Resp: 434647

Ion Ratio Lower Upper

76 100

78 11.4 7.9 11.9

Instrument :

MSVOA_F

ClientSampleId :

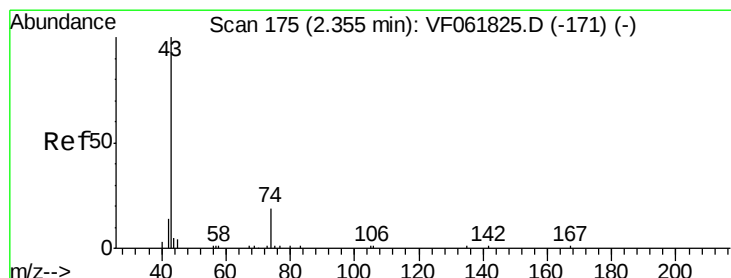
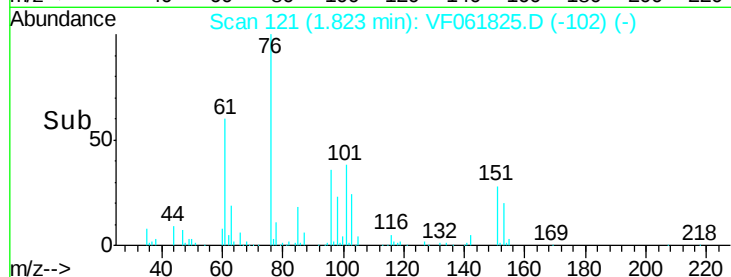
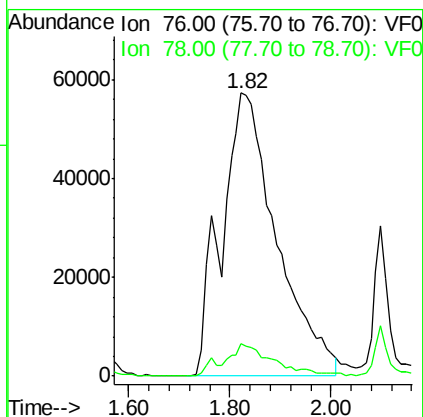
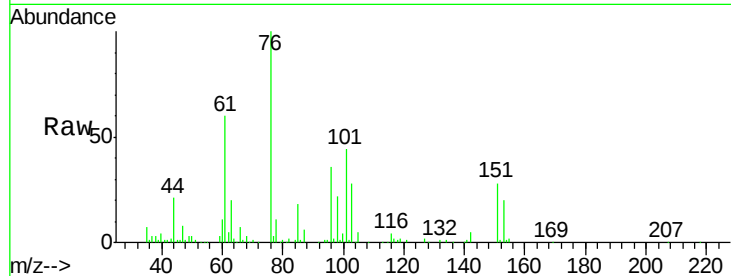
VSTDICCC050

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#18

Methyl Acetate

Concen: 44.897 ug/l

RT: 2.36 min Scan# 175

Delta R.T. 0.00 min

Lab File: VF061825.D

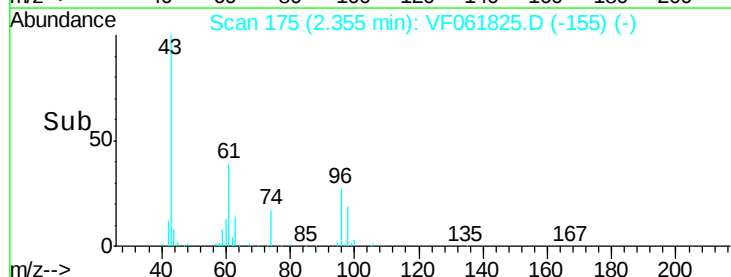
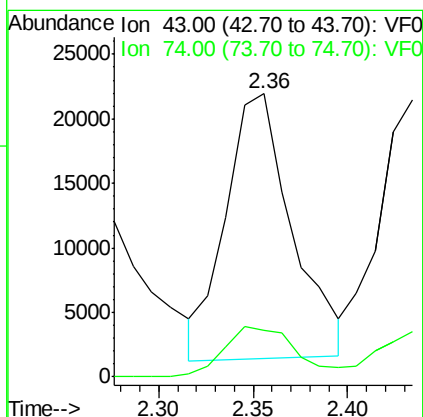
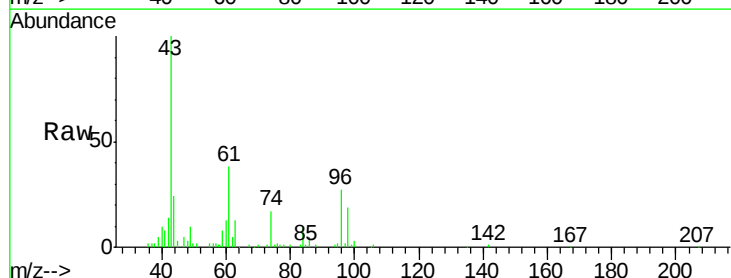
Acq: 4 Mar 2019 17:30

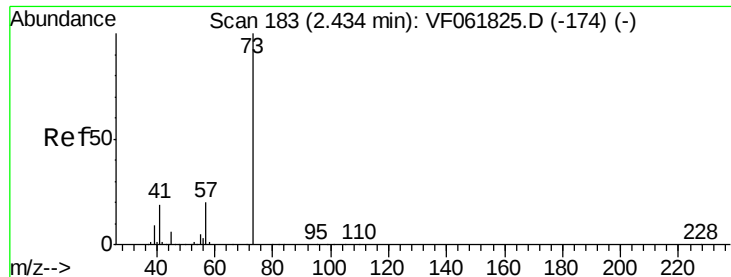
Tgt Ion: 43 Resp: 50108

Ion Ratio Lower Upper

43 100

74 16.5 14.6 21.8





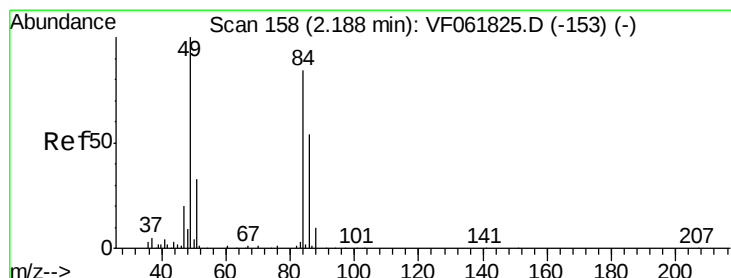
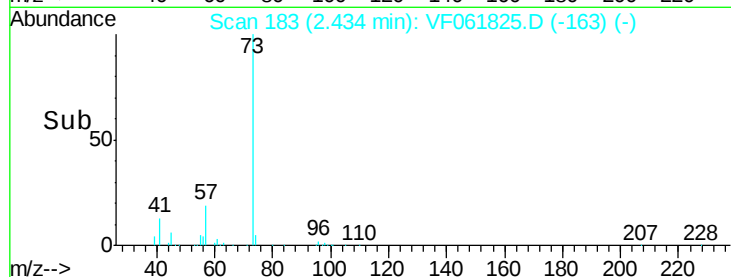
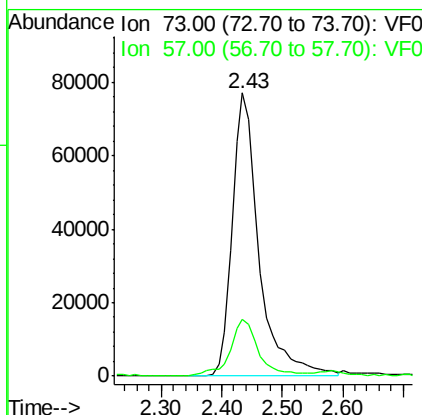
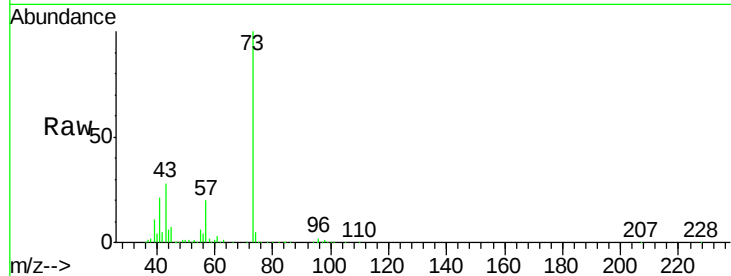
#19
Methyl tert-butyl Ether
Concen: 51.261 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	15.8	23.8

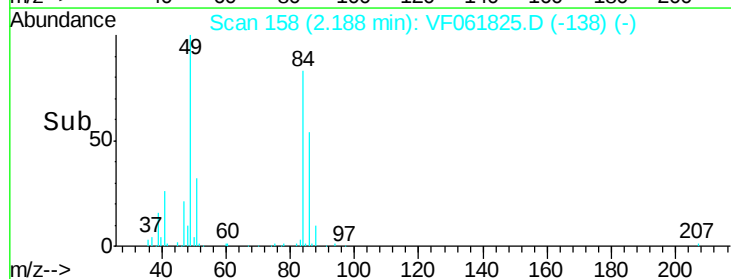
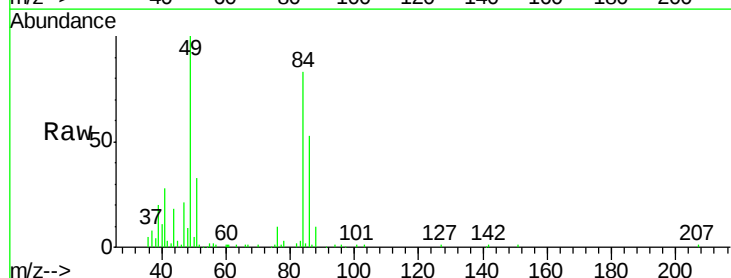
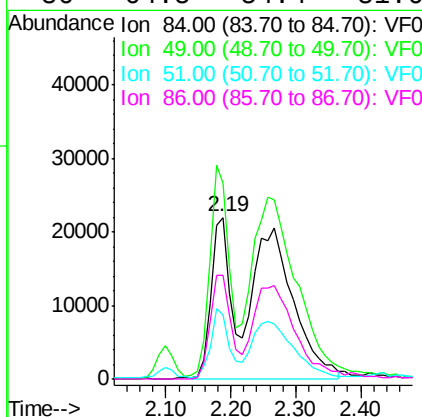
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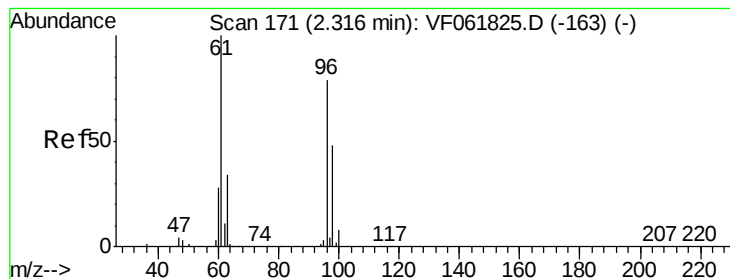
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#20
Methylene Chloride
Concen: 44.850 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.8	152.8
51	39.7	31.1	46.7
86	64.5	54.4	81.6





#21

trans-1,2-Dichloroethene

Concen: 40.990 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

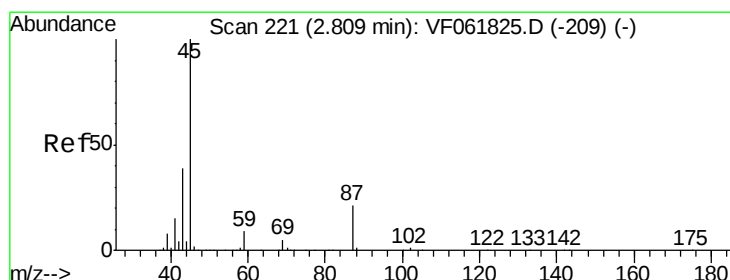
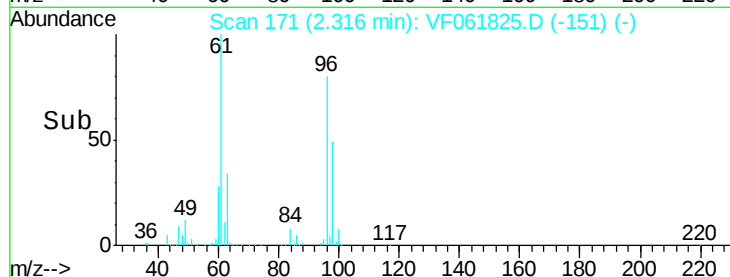
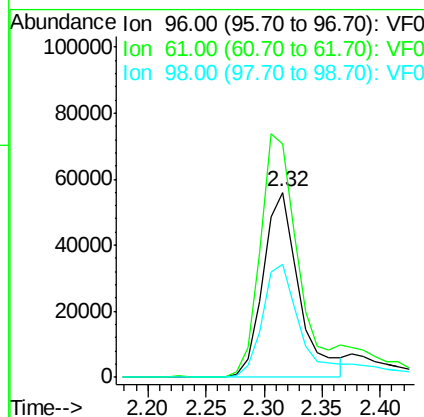
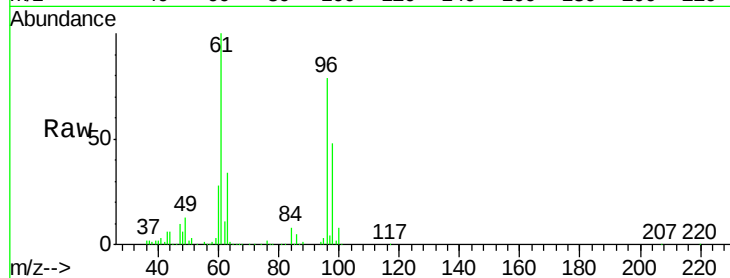
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	120230
Ion	Ratio	Lower	Upper
96	100		
61	126.3	108.2	162.4
98	61.0	52.2	78.2

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#22

Diisopropyl ether

Concen: 49.734 ug/l

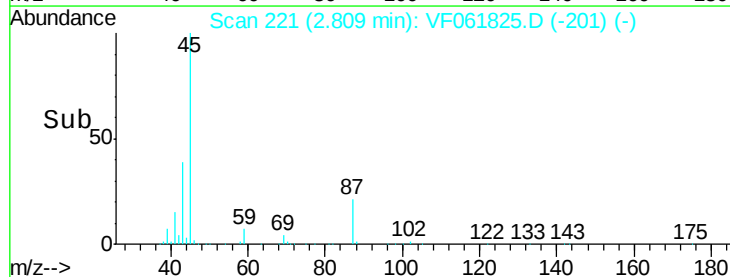
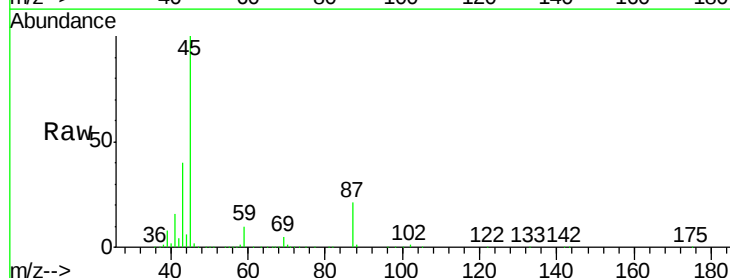
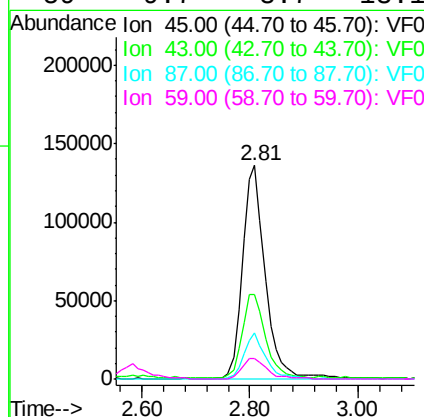
RT: 2.81 min Scan# 221

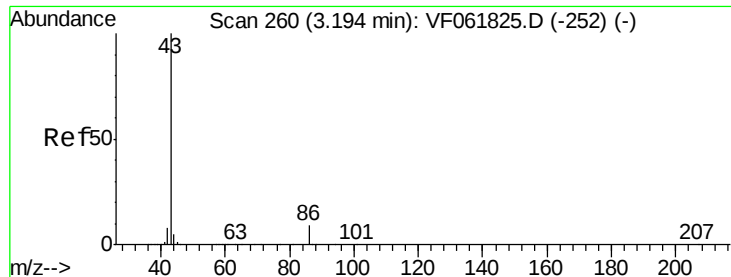
Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	45	Resp:	395274
Ion	Ratio	Lower	Upper
45	100		
43	39.8	31.4	47.2
87	21.4	16.3	24.5
59	9.7	8.7	13.1





#23

Vinyl Acetate

Concen: 227.855 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 884514

Ion Ratio Lower Upper

43 100

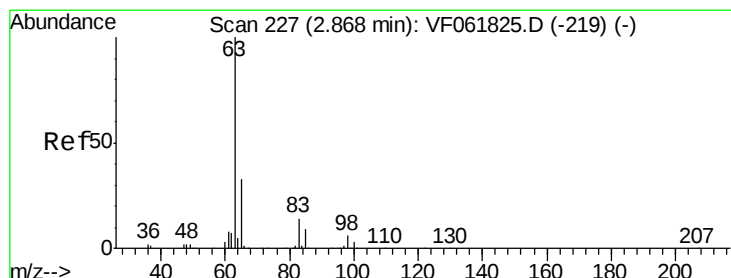
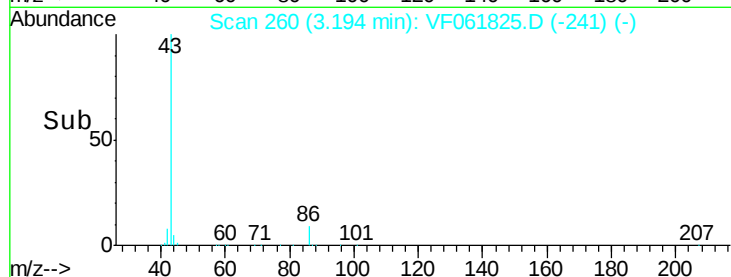
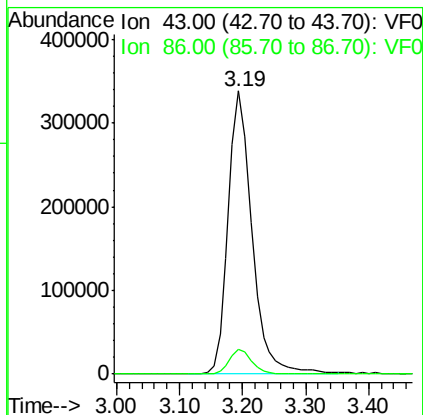
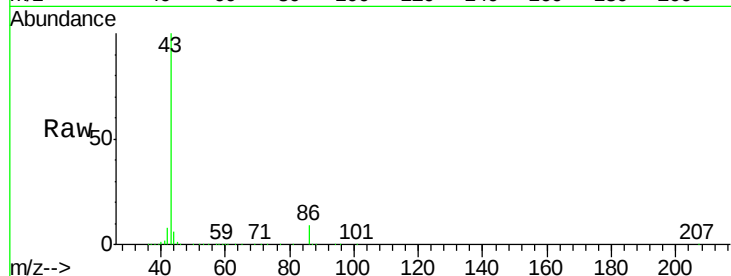
86 8.7 7.5 11.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.128 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

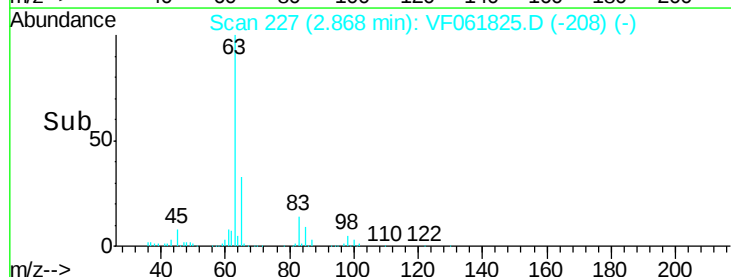
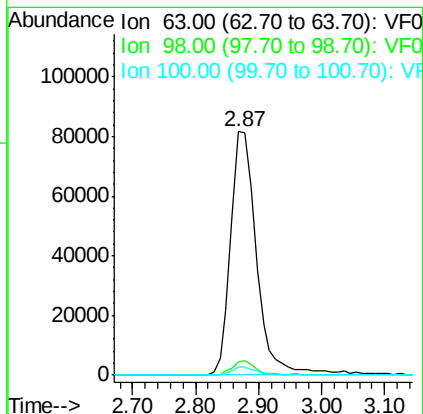
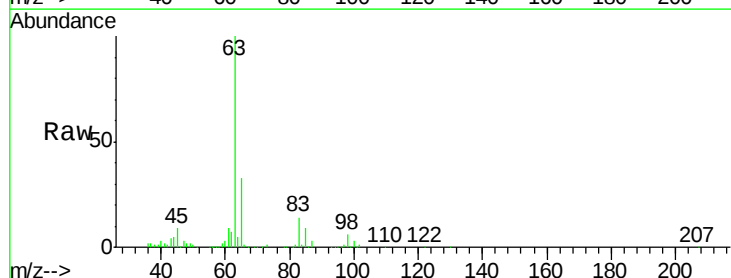
Tgt Ion: 63 Resp: 231480

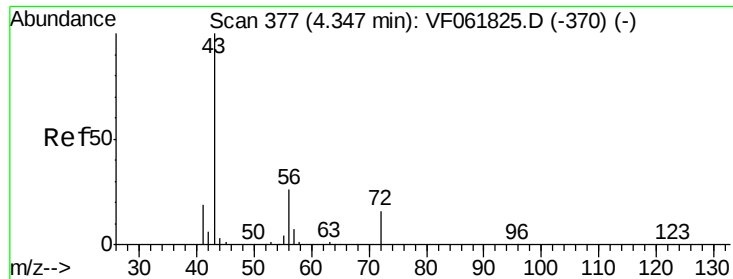
Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 3.5 1.8 5.4





#25

2-Butanone

Concen: 224.796 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 243263

Ion Ratio Lower Upper

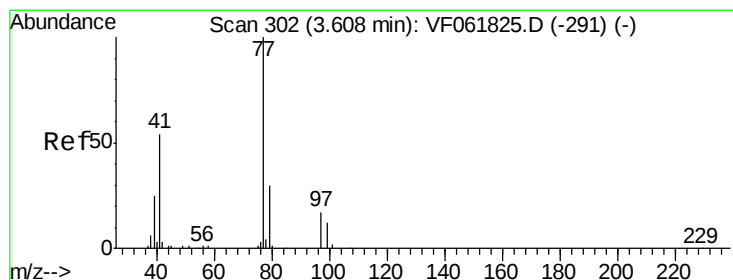
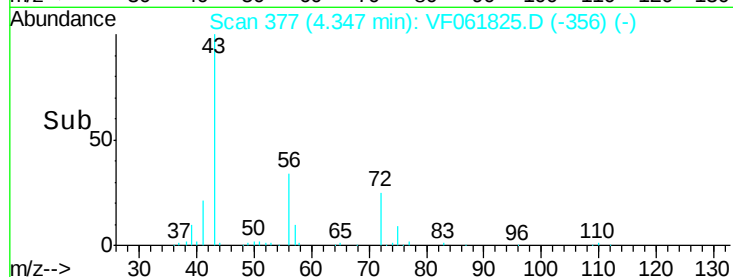
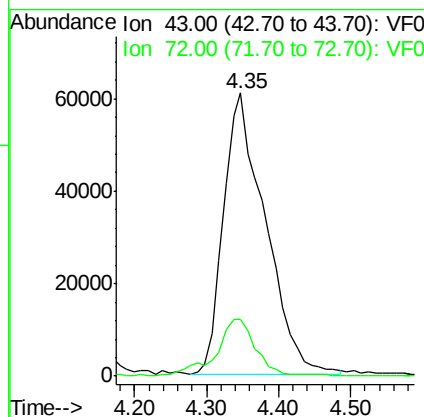
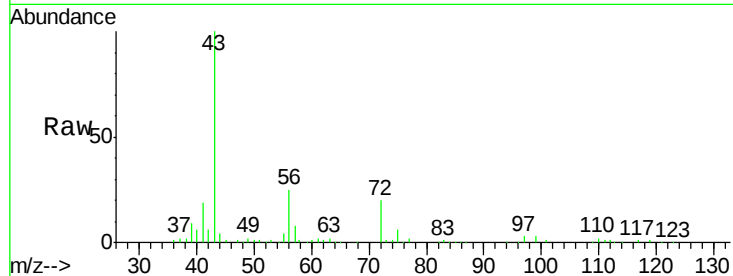
43 100

72 20.3 17.1 25.7

Manual Integrations
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3/5/2019 10:47:25 AM



#26

2,2-Dichloropropane

Concen: 50.853 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF061825.D

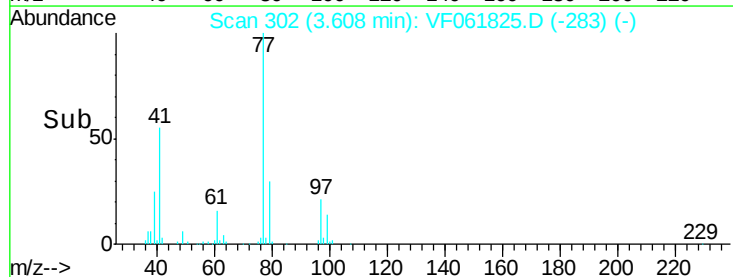
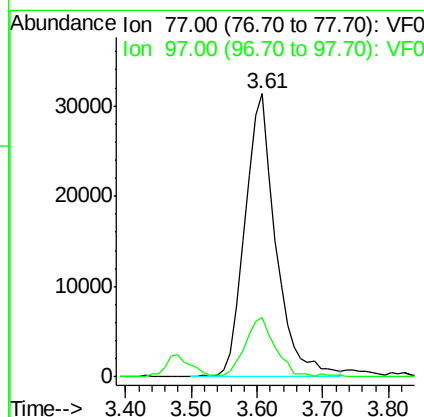
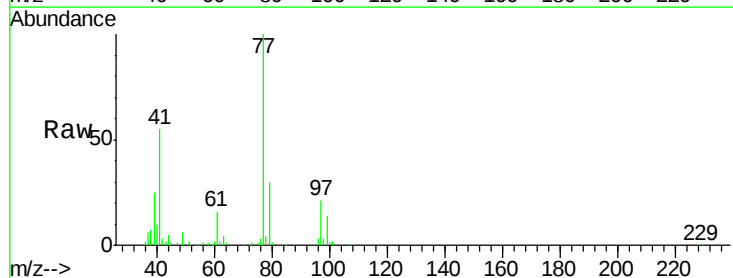
Acq: 4 Mar 2019 17:30

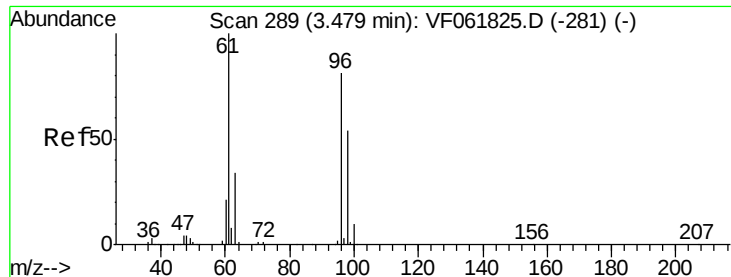
Tgt Ion: 77 Resp: 103602

Ion Ratio Lower Upper

77 100

97 20.9 11.7 35.0





#27

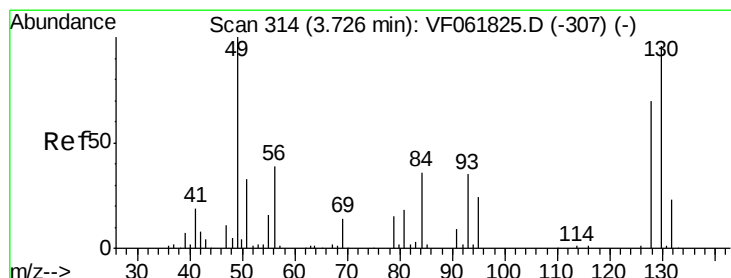
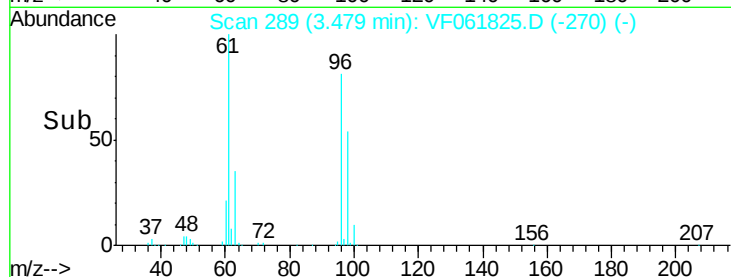
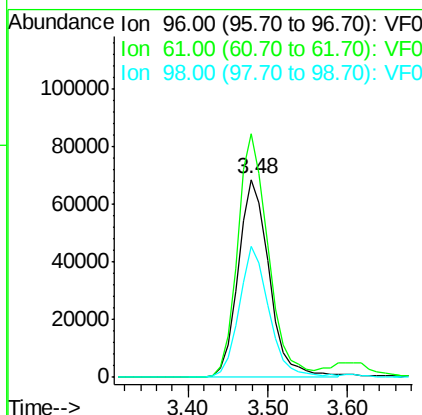
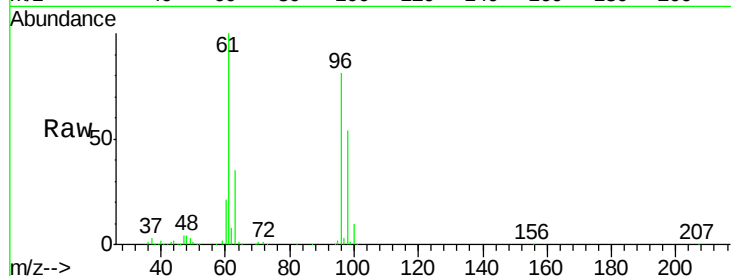
cis-1,2-Dichloroethene
Concen: 47.818 ug/l
RT: 3.48 min Scan# 289
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184098		
61	122.9	0.0	241.6	
98	66.3	0.0	130.2	

Manual Integrations
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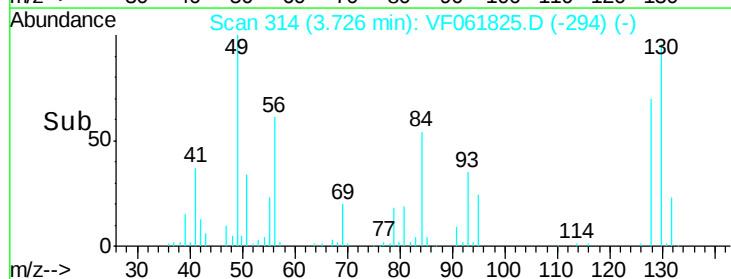
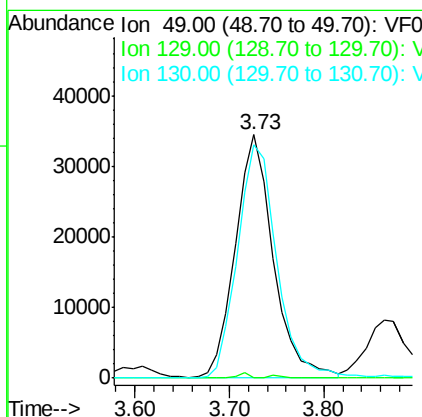
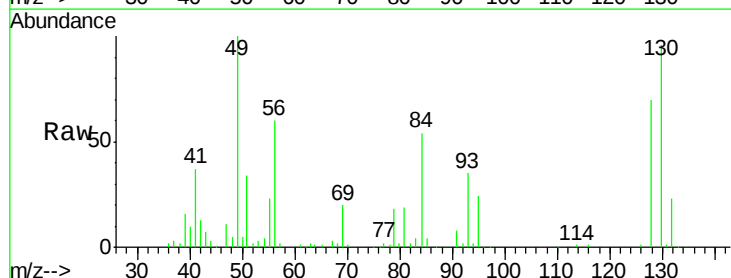
MMDadoda
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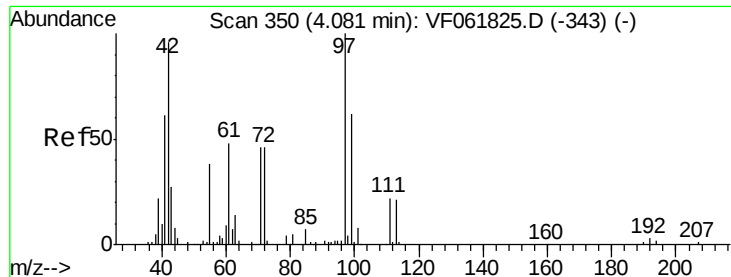


#28

Bromochloromethane
Concen: 41.202 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95085		
129	0.0	0.0	3.4	
130	96.1	77.7	116.5	





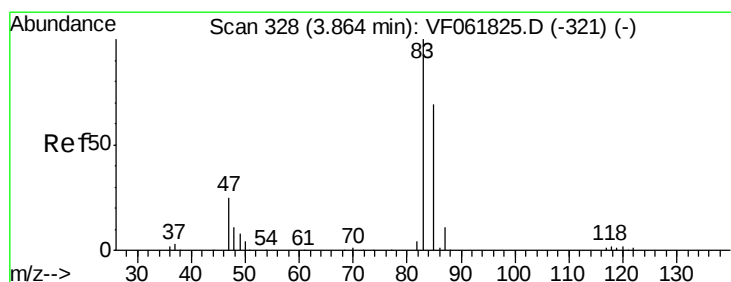
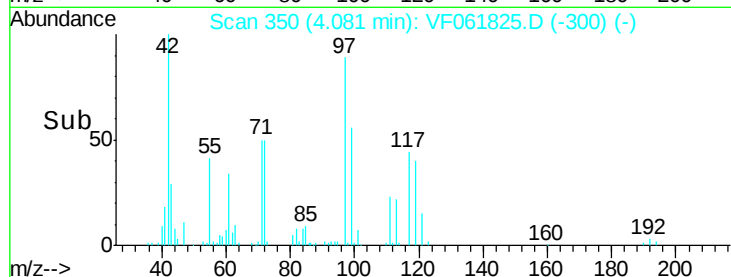
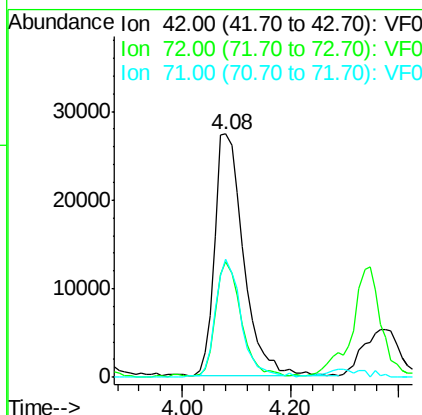
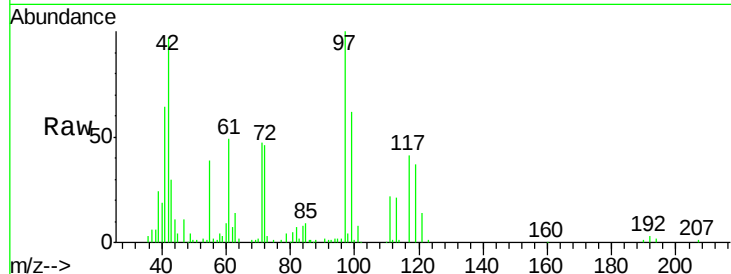
#29
Tetrahydrofuran
Concen: 204.684 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.2	52.8
71	43.3	32.9	49.3

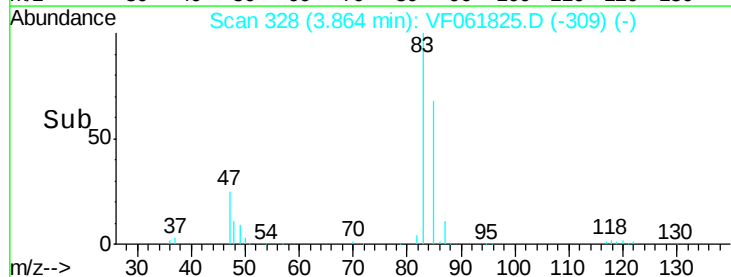
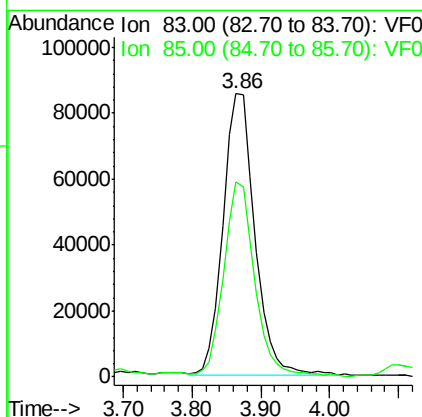
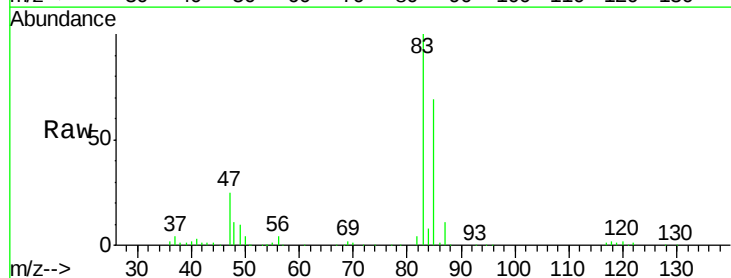
Manual Integrations
APPROVED

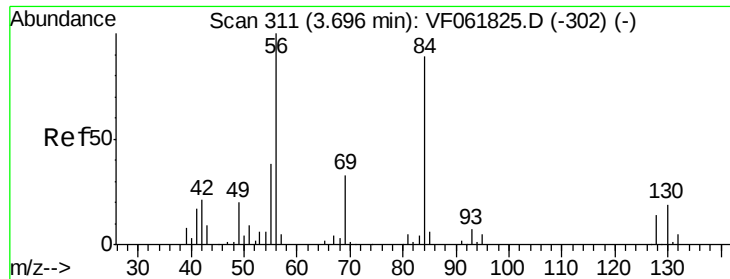
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#30
Chloroform
Concen: 49.873 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	51.1	76.7





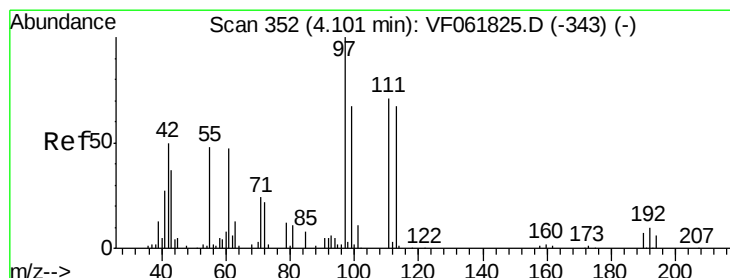
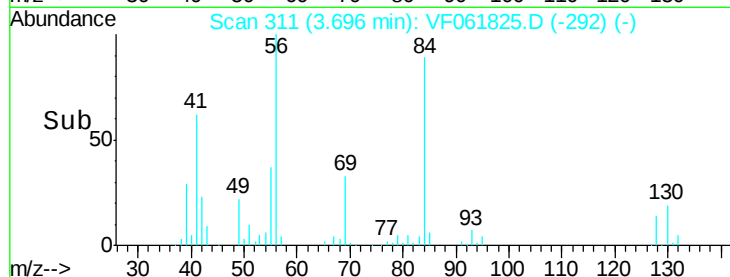
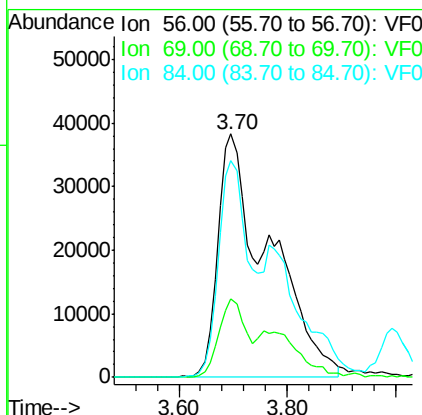
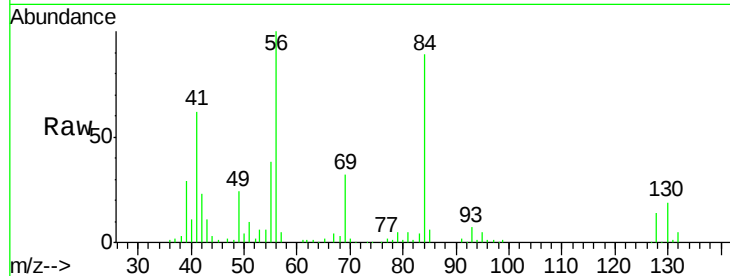
#31
Cyclohexane
Concen: 47.707 ug/l m
RT: 3.70 min Scan# 311
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	23.8	35.8
84	88.8	68.6	103.0

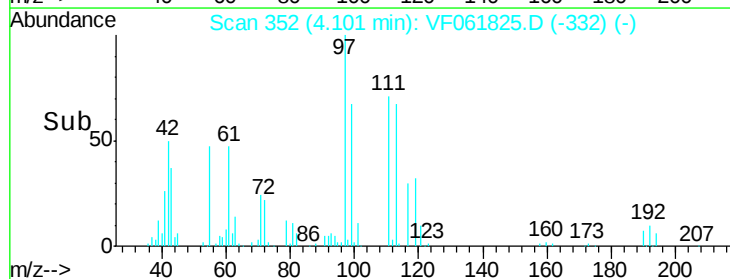
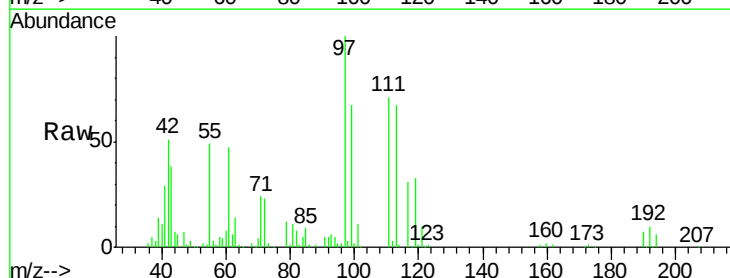
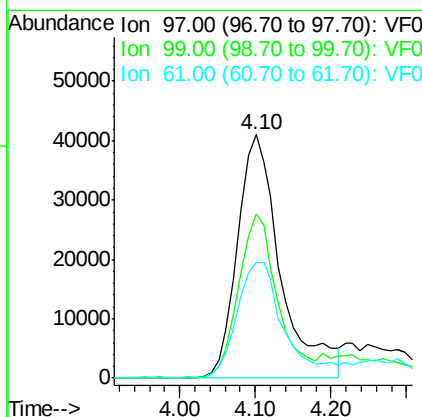
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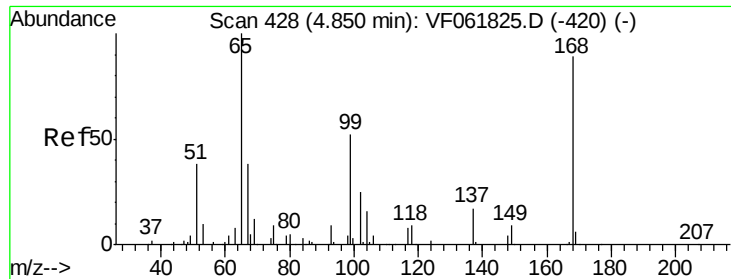
MMDadoda
3/5/2019 10:47:25 AM



#32
1,1,1-Trichloroethane
Concen: 45.651 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.3	52.2	78.2
61	47.4	39.2	58.8





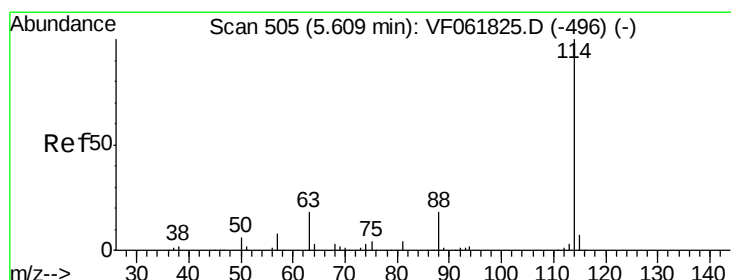
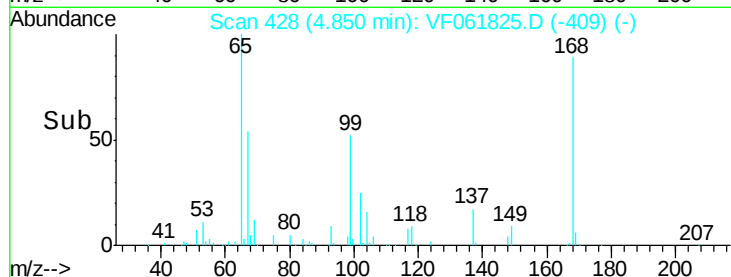
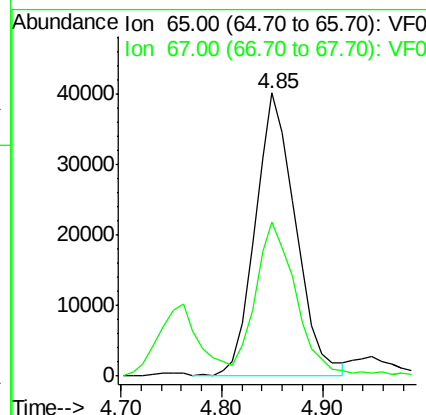
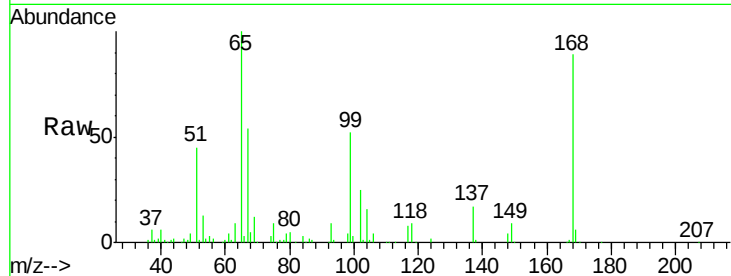
#33
 1,2-Dichloroethane-d4
 Concen: 48.665 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112371		
67	54.3	0.0	104.0	

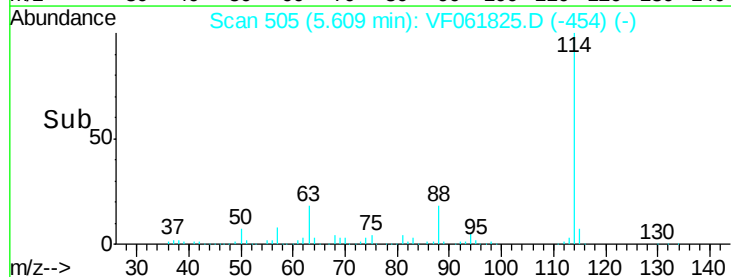
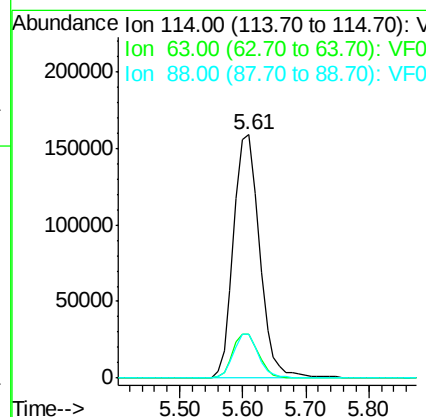
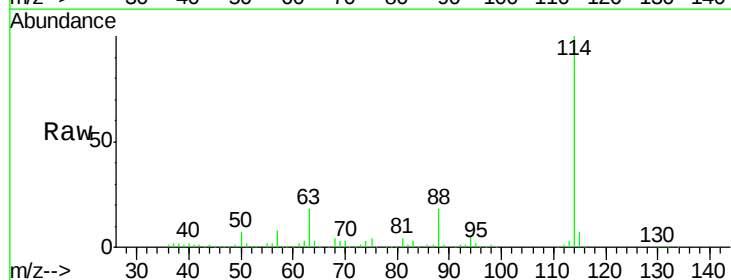
Manual Integrations
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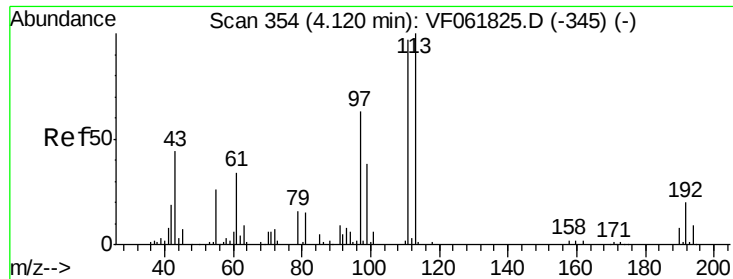
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 3/5/2019 10:47:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	456249		
63	17.8	0.0	36.6	
88	17.8	0.0	34.4	





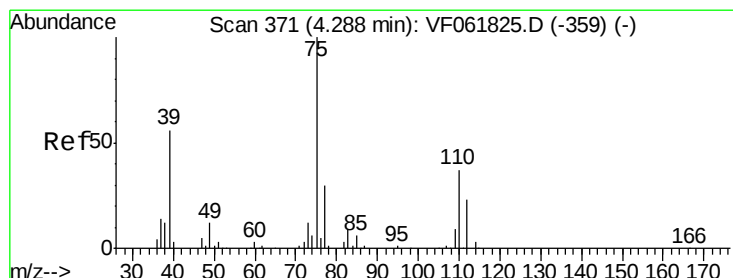
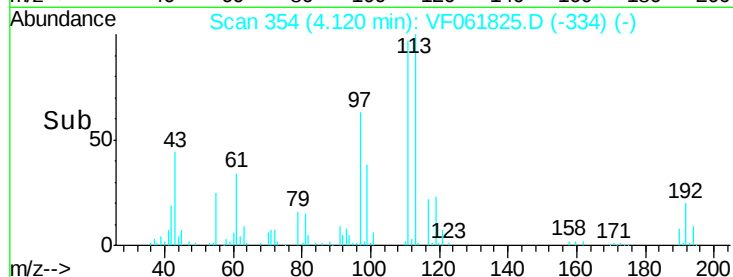
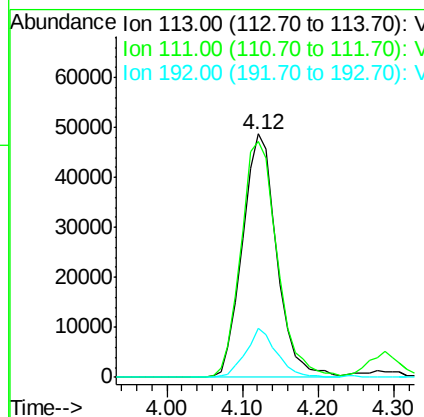
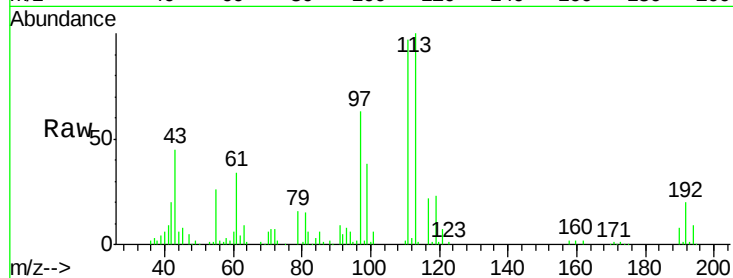
#35
 Dibromofluoromethane
 Concen: 45.368 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153714		
111	97.0		78.8	118.2
192	19.9		13.4	20.0

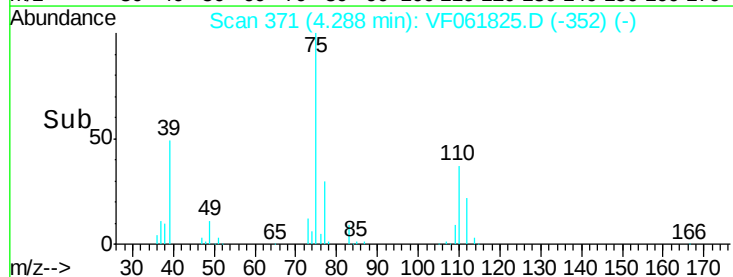
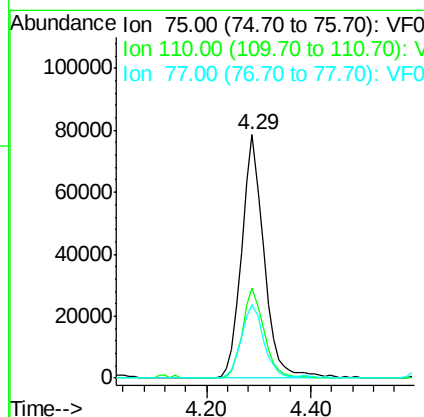
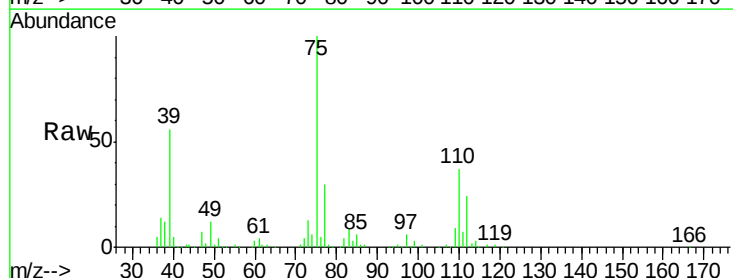
Manual Integrations
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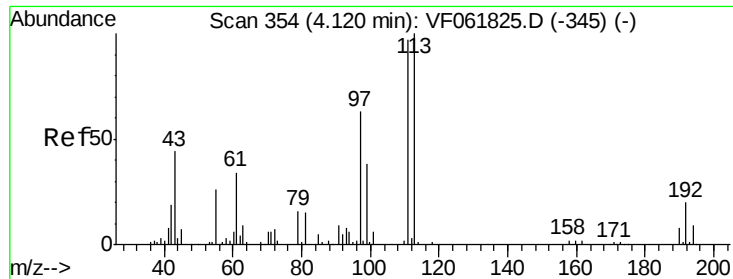
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 3/5/2019 10:47:25 AM



#36
 1,1-Dichloropropene
 Concen: 49.883 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225455		
110	37.1		20.5	61.6
77	30.2		27.0	40.4





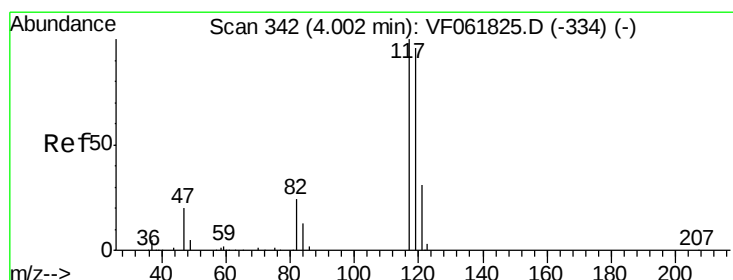
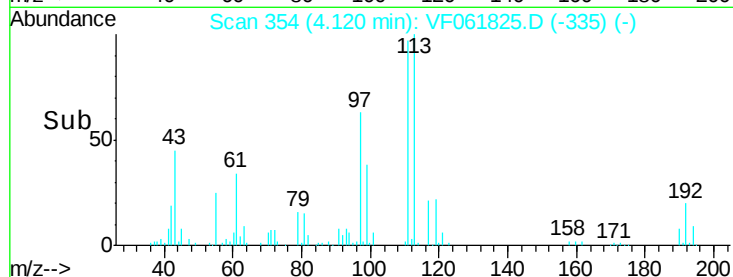
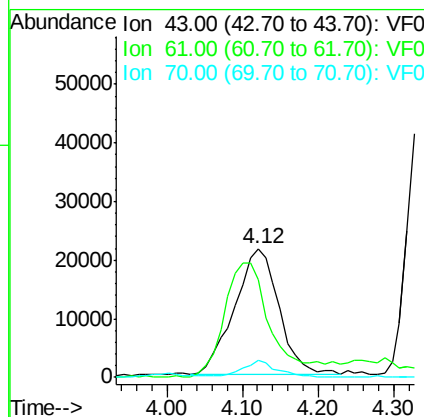
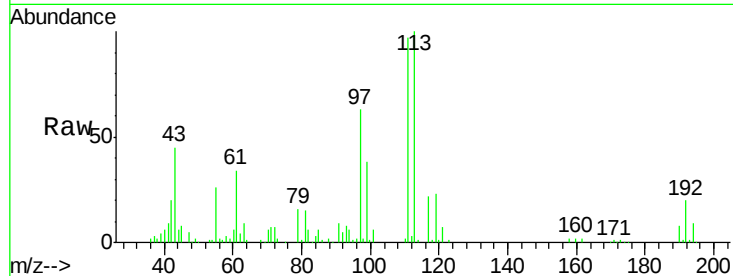
#37
Ethyl Acetate
Concen: 42.007 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
88184	100	75.9	13.2			
		45.7	8.5			
			12.7#			

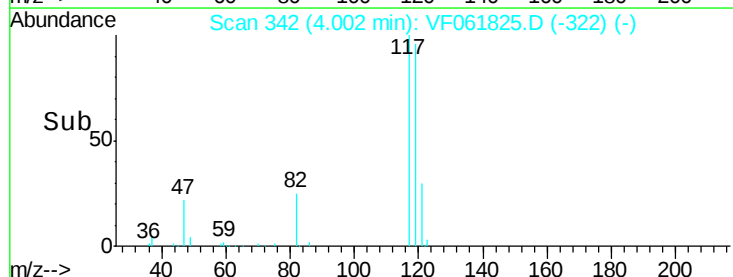
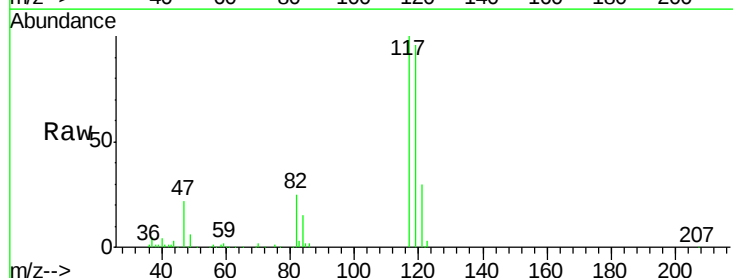
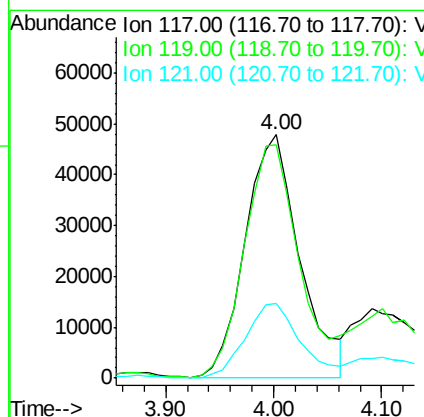
Manual Integrations
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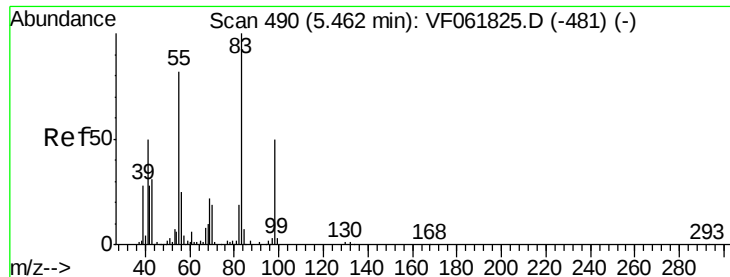
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#38
Carbon Tetrachloride
Concen: 53.390 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	117	119	121	Ratio	Lower	Upper
166626	100	95.7	30.5			
		75.6	25.2			
			37.8			





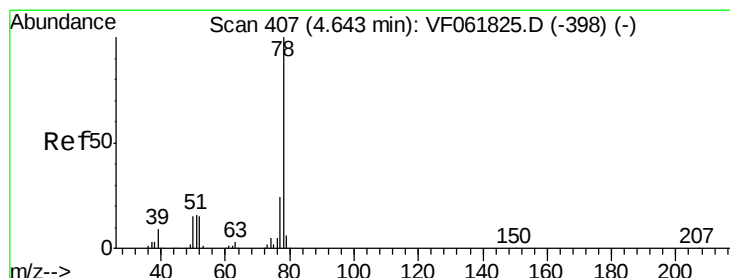
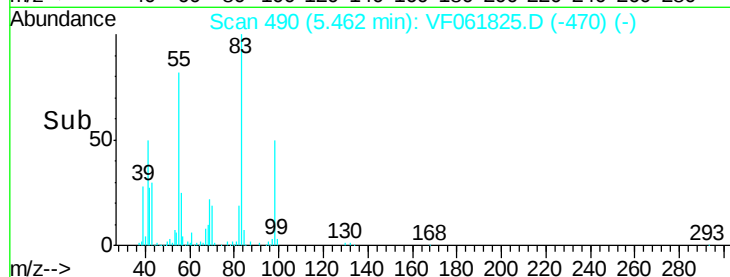
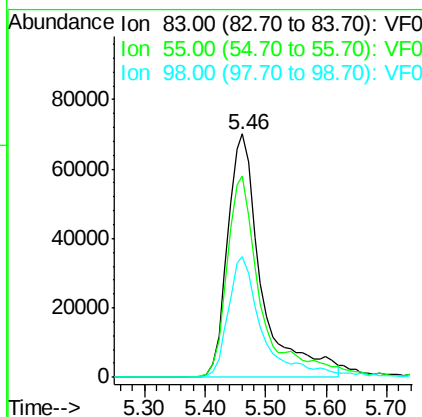
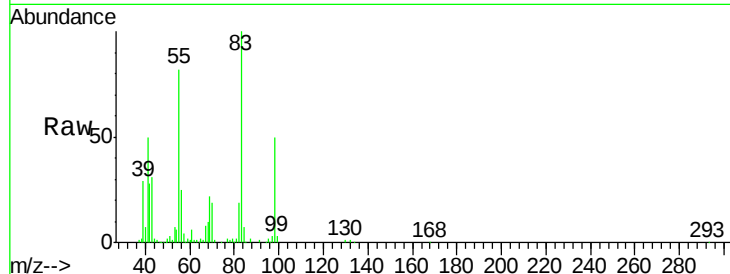
#39
Methvlcvclohexane
Concen: 51.344 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	274448
Ion Ratio	Lower	Upper	
83	100		
55	82.5	66.6	99.8
98	49.7	40.4	60.6

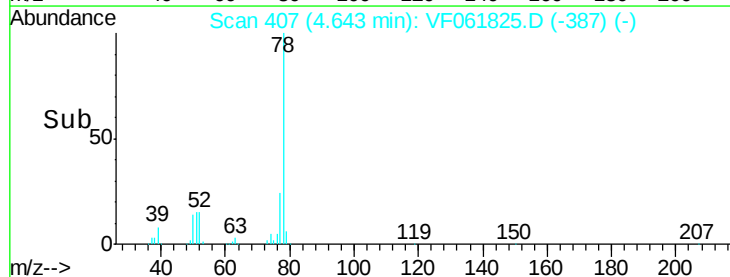
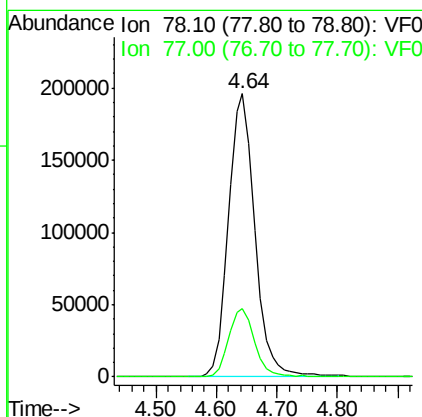
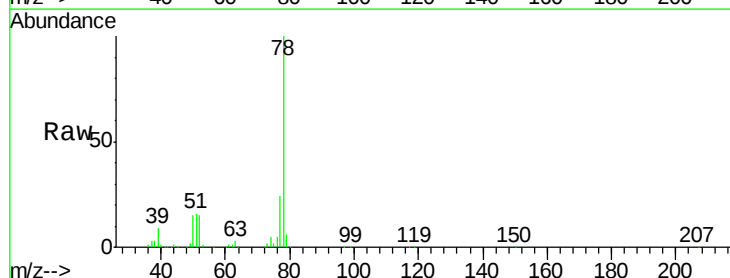
Manual Integrations
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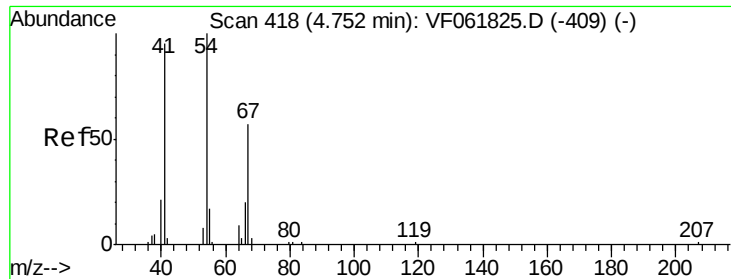
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#40
Benzene
Concen: 50.287 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	78	Resp	594498
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.0	28.6





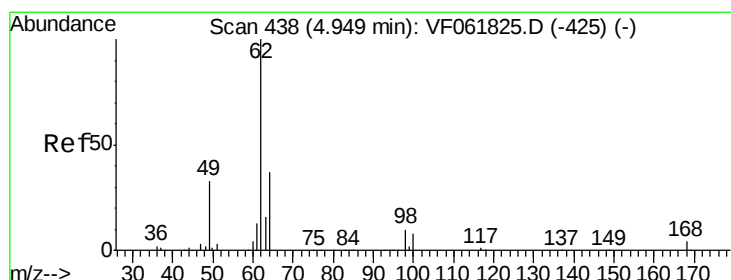
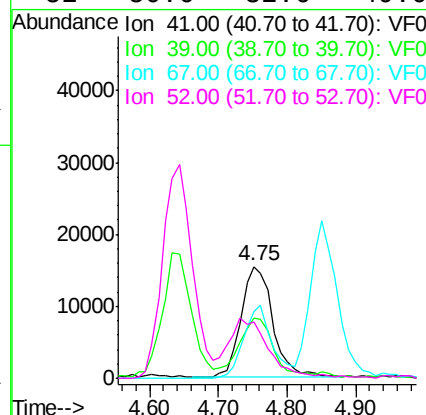
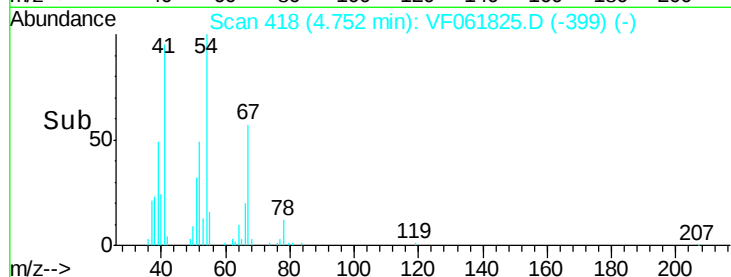
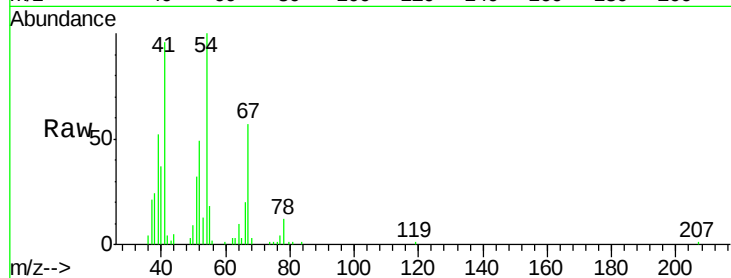
#41
Methacrylonitrile
Concen: 46.159 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		49555		
39	53.8	45.3	67.9		
67	59.8	49.3	73.9		
52	50.6	32.6	49.0		

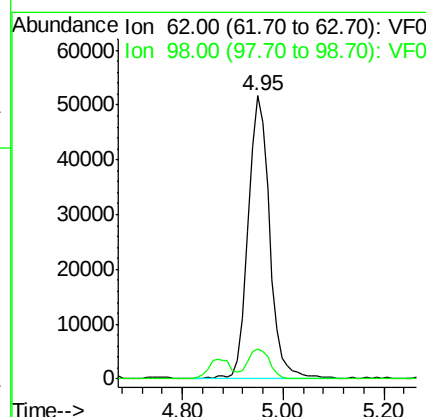
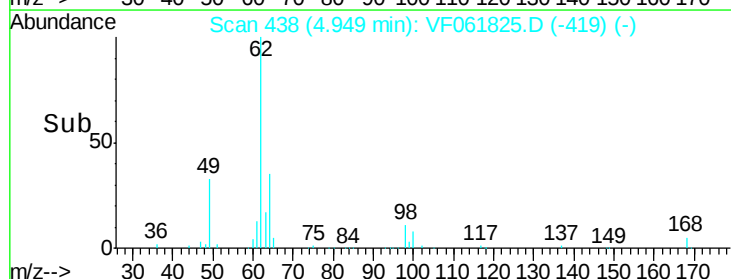
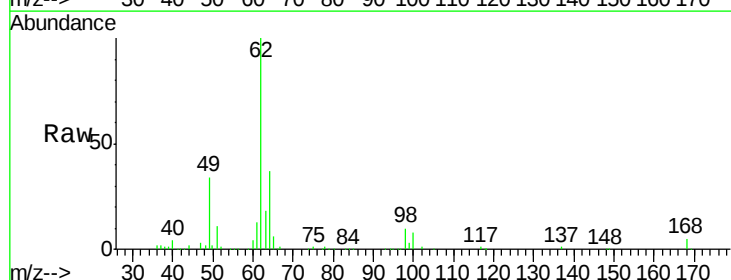
Manual Integrations
APPROVED

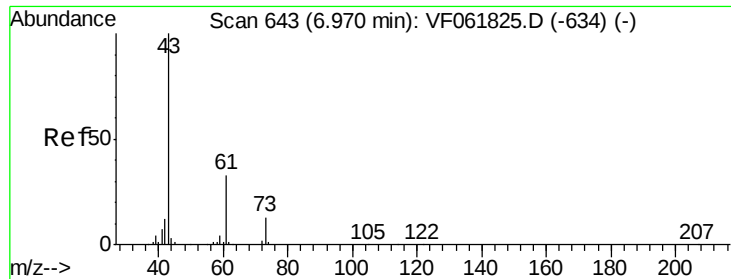
MMDadoda
3/5/2019 10:47:25 AM



#42
1,2-Dichloroethane
Concen: 54.279 ug/l
RT: 4.95 min Scan# 438
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		153494		
98	10.5	0.0	26.0		





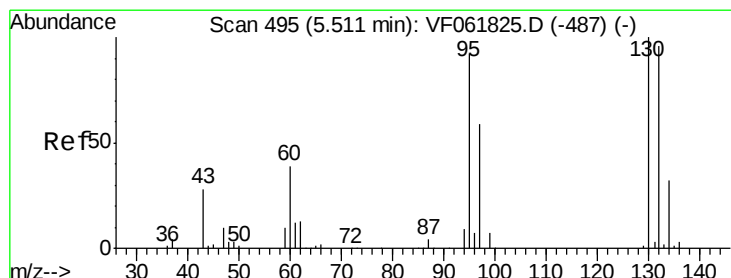
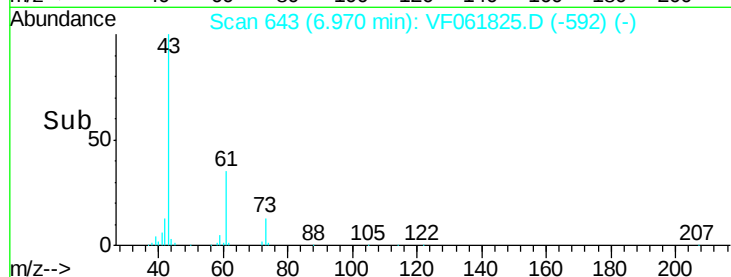
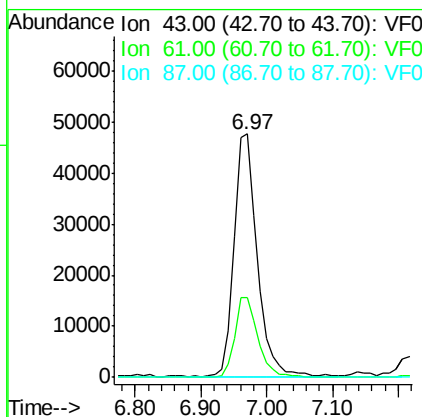
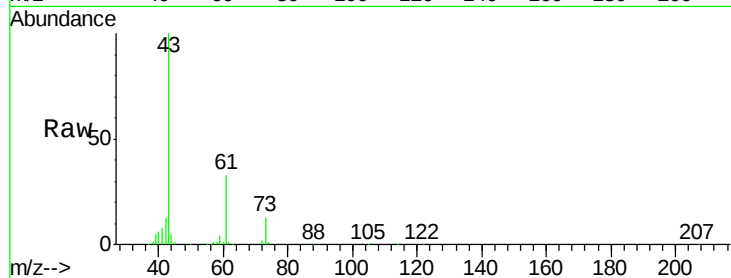
#43
Isopropyl Acetate
Concen: 48.116 ug/l
RT: 6.97 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
61	32.6	25.8	38.6	
87	0.0	0.4	0.6	

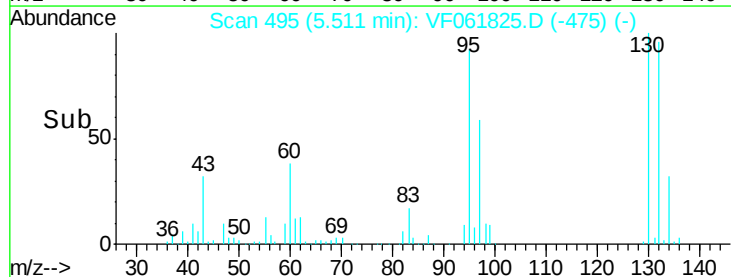
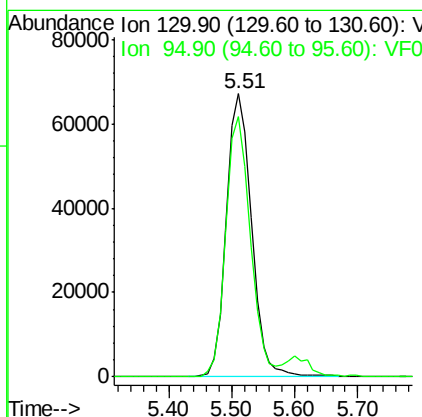
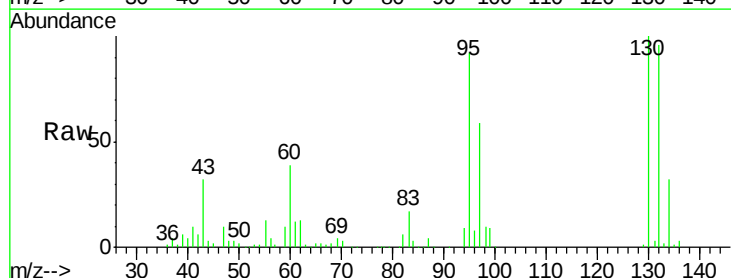
Manual Integrations
APPROVED

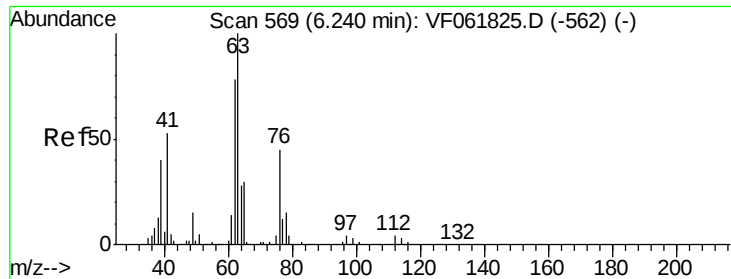
MMDadoda
3/5/2019 10:47:25 AM



#44
Trichloroethene
Concen: 48.749 ug/l
RT: 5.51 min Scan# 495
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
130	100			
95	92.0	0.0	179.4	





#45

1,2-Dichloropropane

Concen: 49.423 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 141231

Ion Ratio Lower Upper

63 100

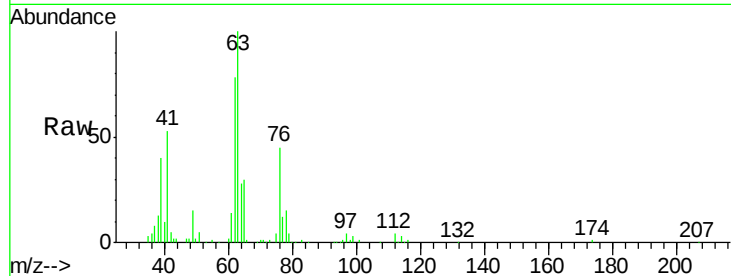
65 30.0 24.9 37.3

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

60000

50000

40000

30000

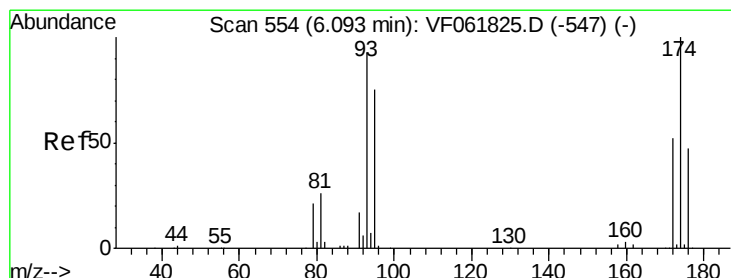
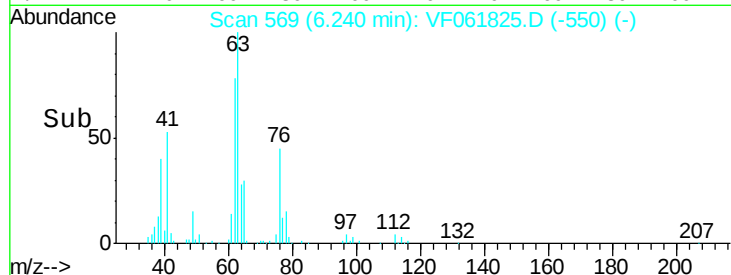
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 49.295 ug/l

RT: 6.09 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

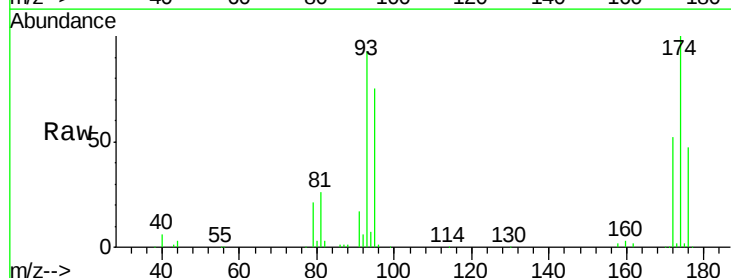
Tgt Ion: 93 Resp: 86732

Ion Ratio Lower Upper

93 100

95 80.5 69.0 103.6

174 107.2 99.3 148.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

50000

40000

30000

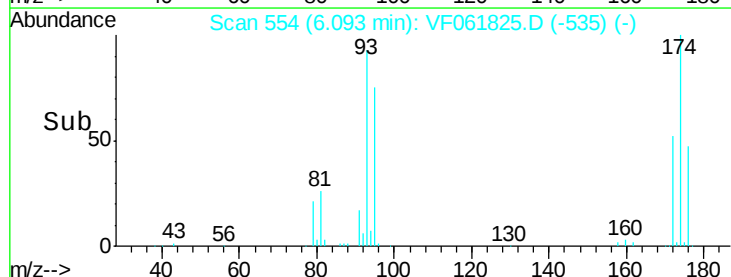
20000

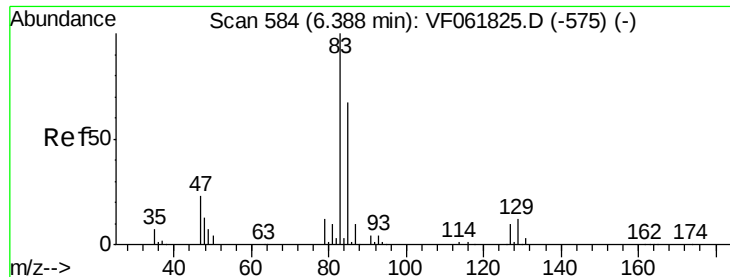
10000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 51.467 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

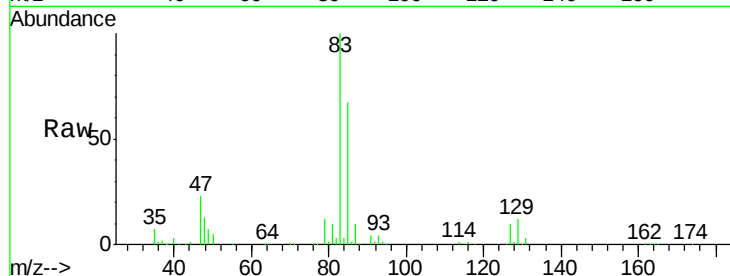
ClientSampleId :

VSTDICCC050

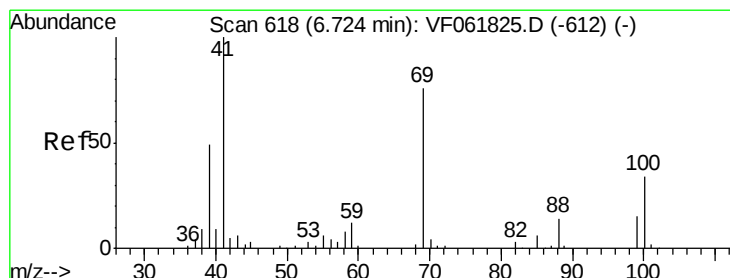
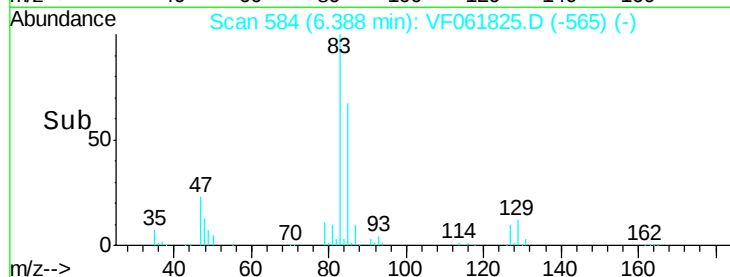
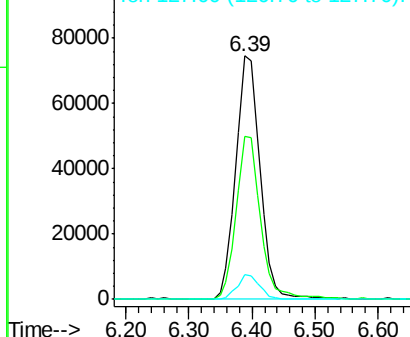
Tot Ion:	83	Resp:	198301
Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.4	80.2
127	10.1	7.5	11.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 50.451 ug/l

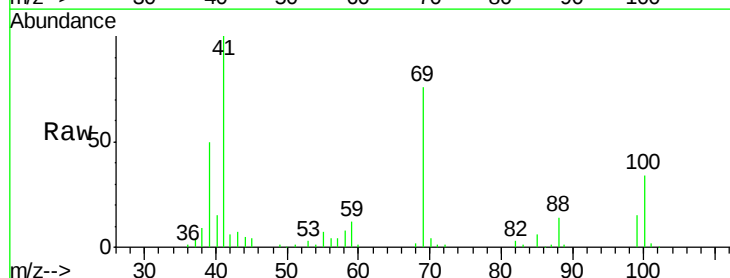
RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

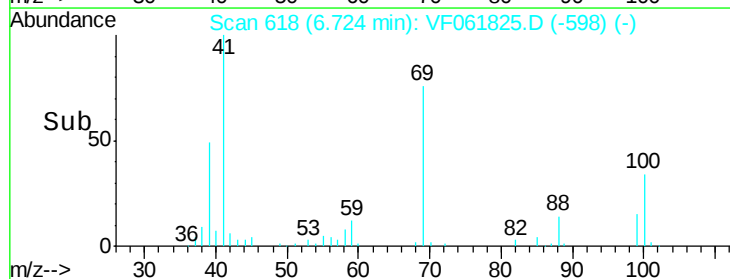
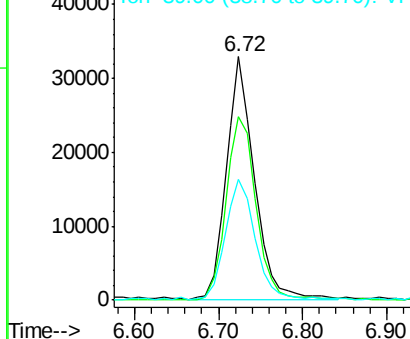
Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	41	Resp:	75444
Ion	Ratio	Lower	Upper
41	100		
69	75.5	60.4	90.6
39	49.6	43.7	65.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





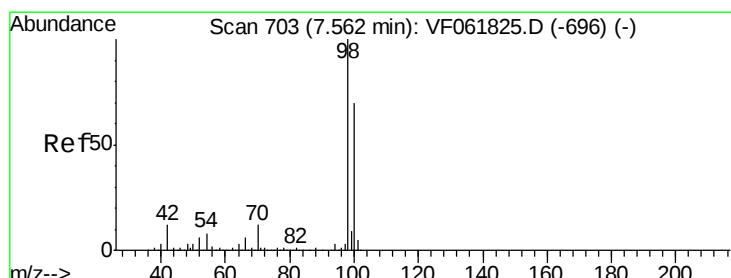
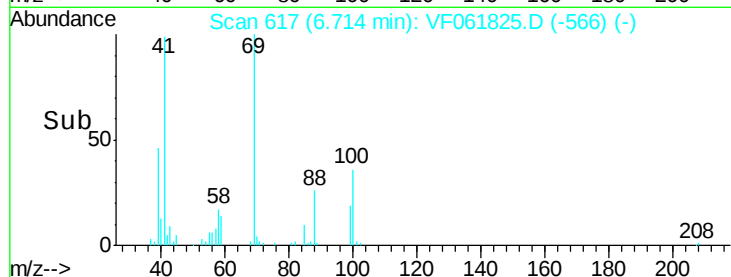
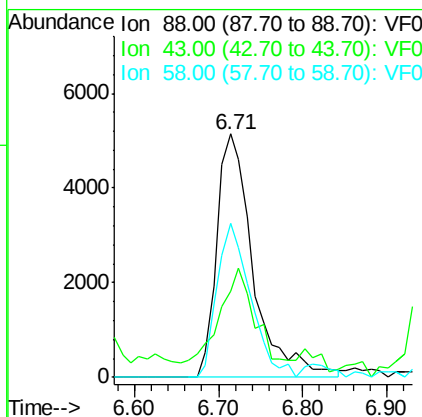
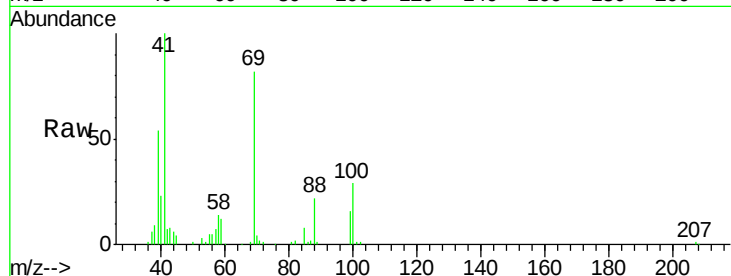
#49
1,4-Dioxane
Concen: 1098.282 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15439		
43	35.5		32.3	48.5
58	63.4		59.4	89.2

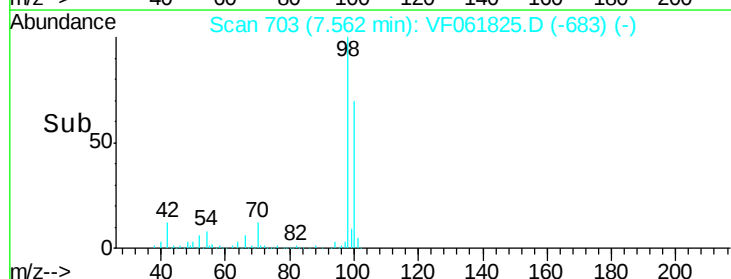
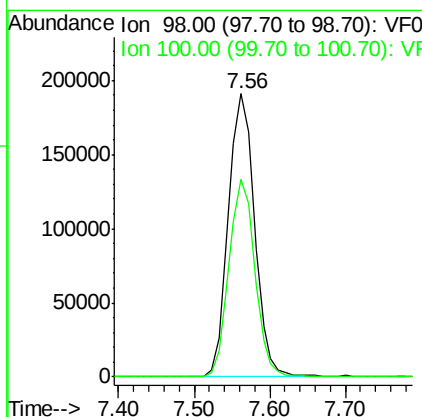
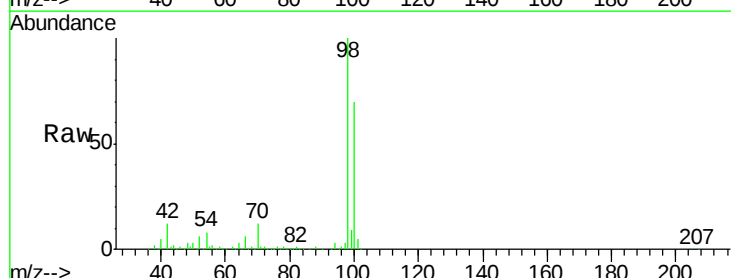
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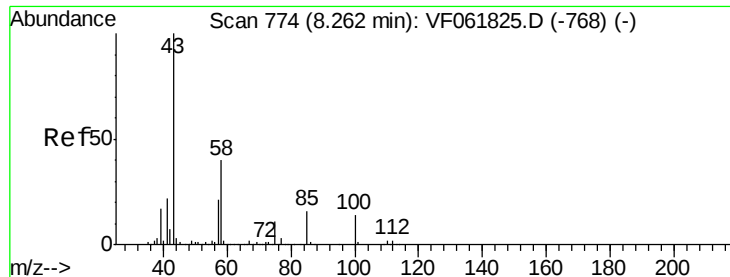
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#50
Toluene-d8
Concen: 47.182 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	459551		
100	70.0		55.4	83.2





#51

4-Methyl-2-Pentanone

Concen: 221.301 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 392929

Ion Ratio Lower Upper

43 100

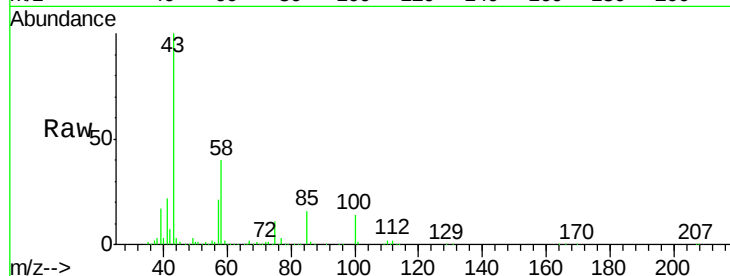
58 39.8 33.1 49.7

Manual Integrations

APPROVED

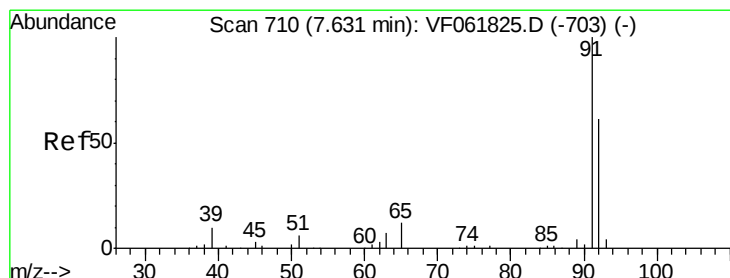
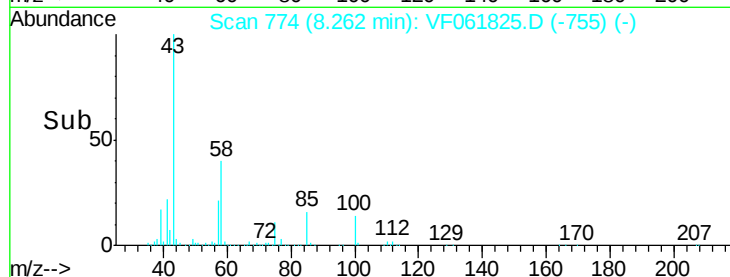
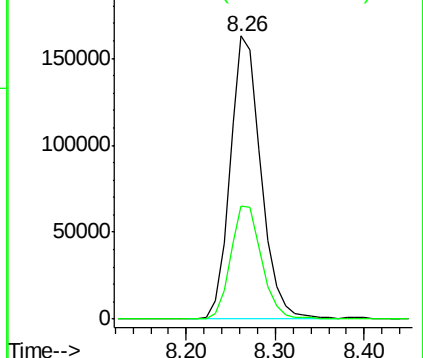
MMDadoda

3/5/2019 10:47:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.917 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF061825.D

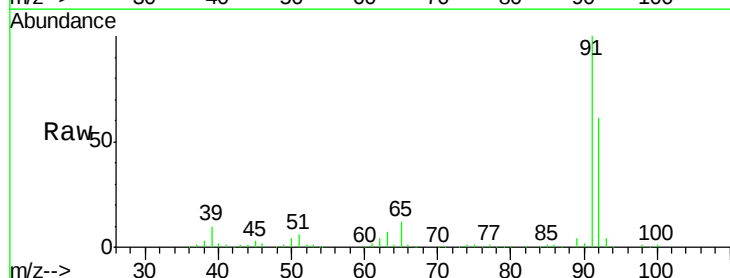
Acq: 4 Mar 2019 17:30

Tgt Ion: 92 Resp: 350725

Ion Ratio Lower Upper

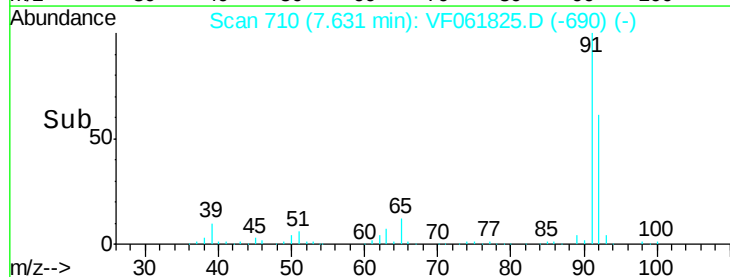
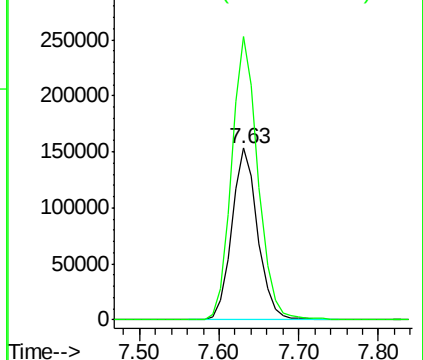
92 100

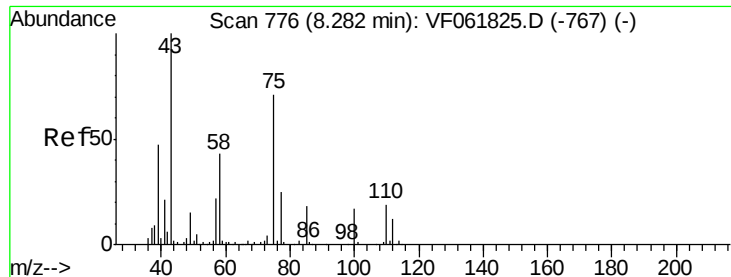
91 165.0 133.9 200.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





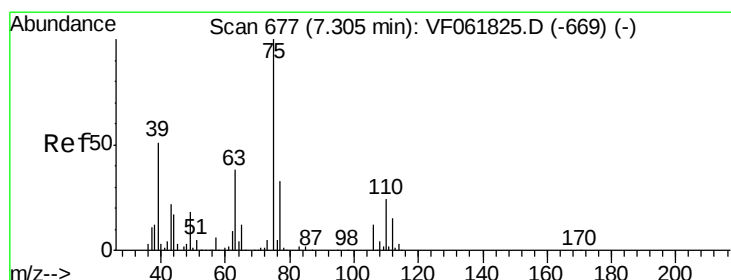
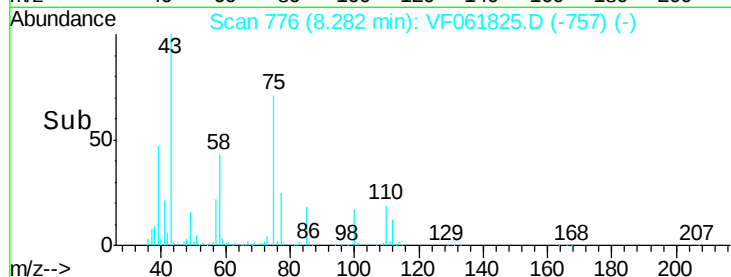
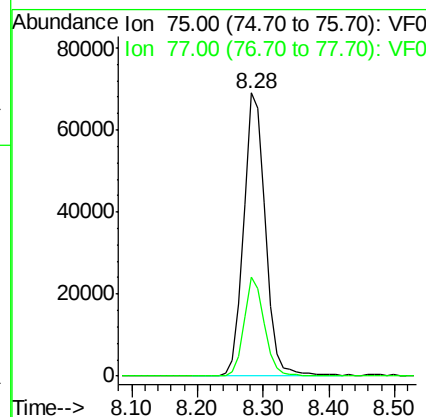
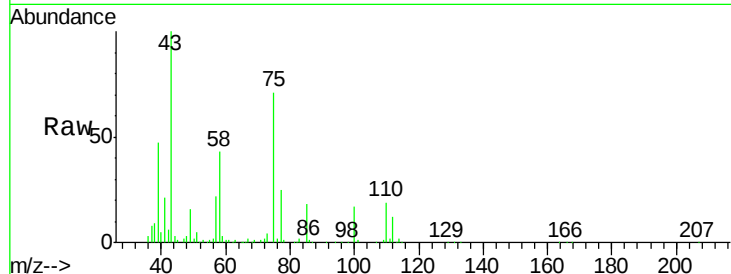
#53
t-1,3-Dichloropropene
Concen: 50.102 ug/l
RT: 8.28 min Scan# 776
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.0	26.2	39.2

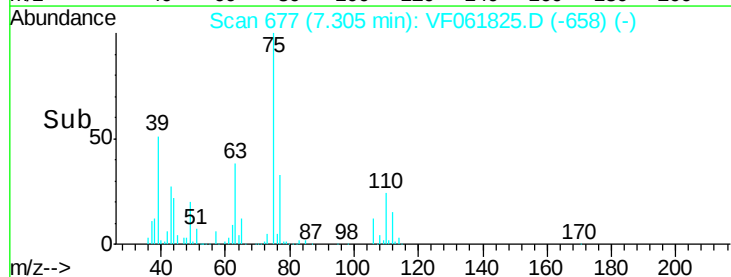
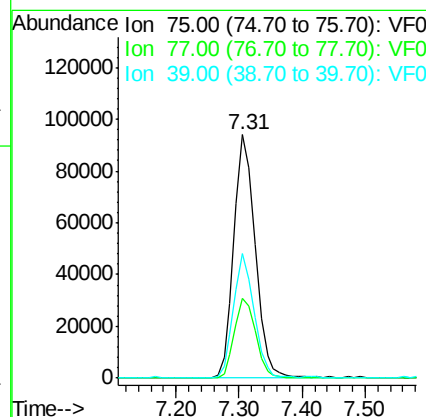
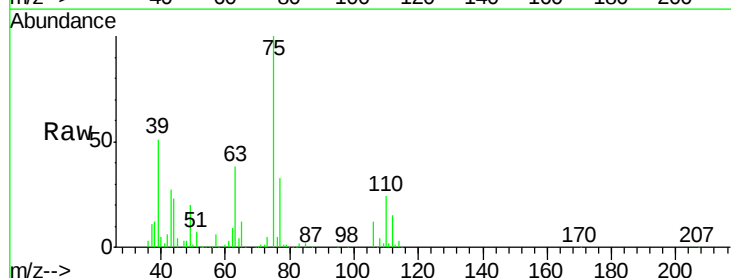
Manual Integrations
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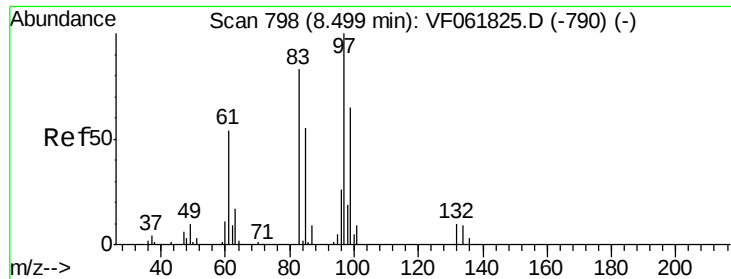
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.080 ug/l
RT: 7.31 min Scan# 677
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.4	39.6
39	51.0	36.0	54.0





#55

1,1,2-Trichloroethane

Concen: 47.007 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

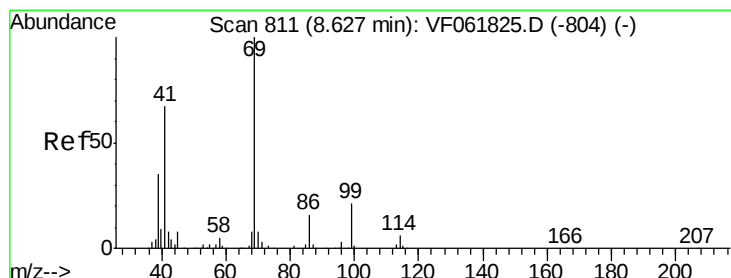
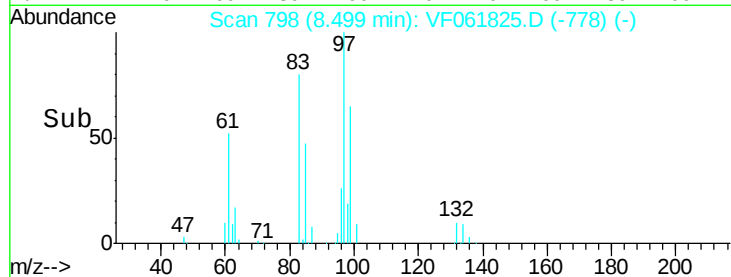
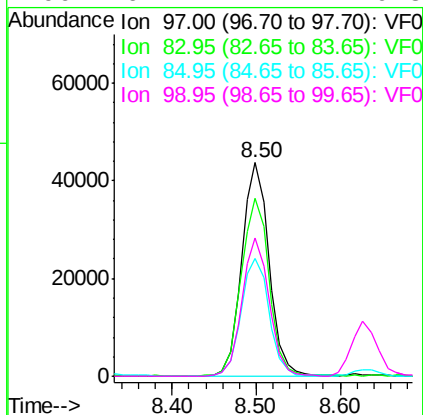
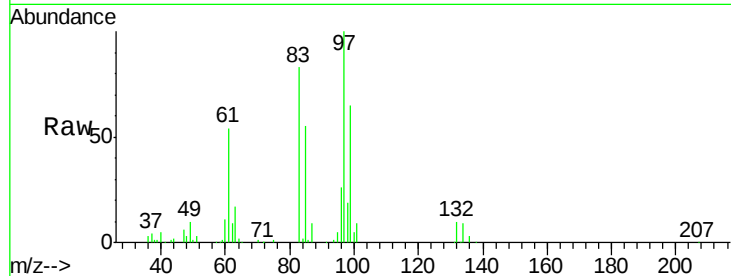
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	99023
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.2	103.8
85	55.2	43.0	64.4
99	64.7	47.2	70.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.229 ug/l

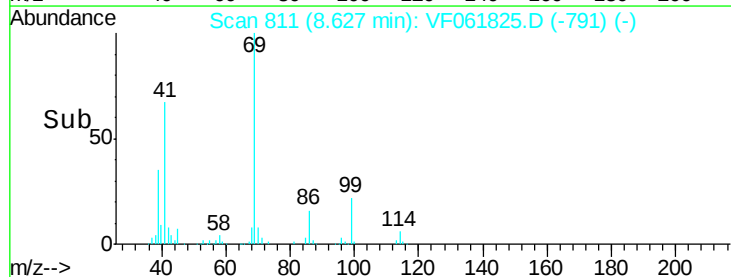
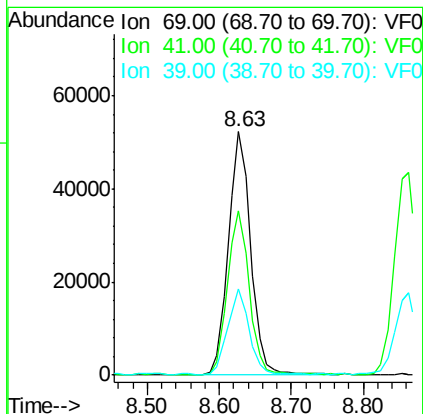
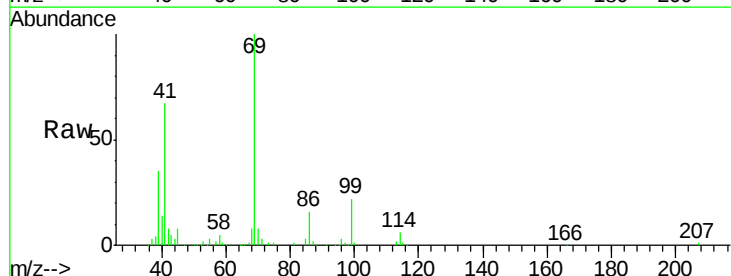
RT: 8.63 min Scan# 811

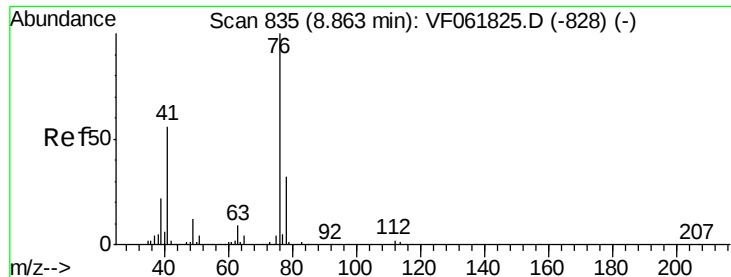
Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	69	Resp:	113114
Ion	Ratio	Lower	Upper
69	100		
41	67.4	52.9	79.3
39	35.4	24.5	36.7





#57

1,3-Dichloropropane

Concen: 49.338 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 173479

Ion Ratio Lower Upper

76 100

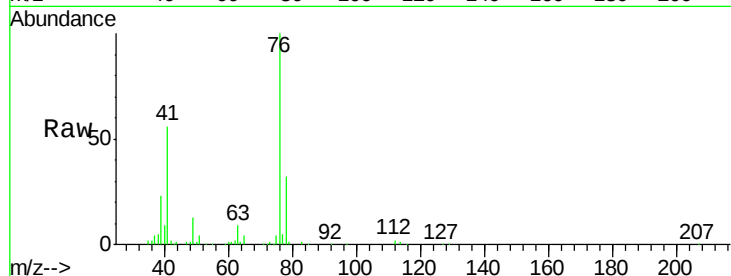
78 31.8 27.8 41.6

Manual Integrations

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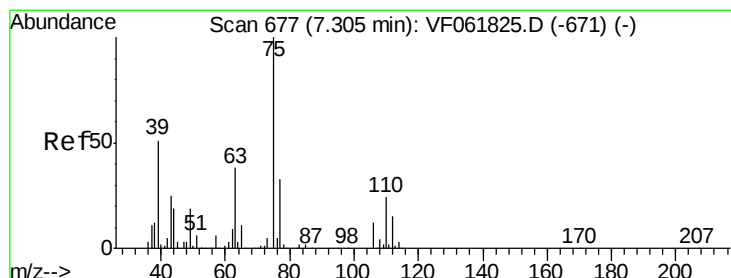
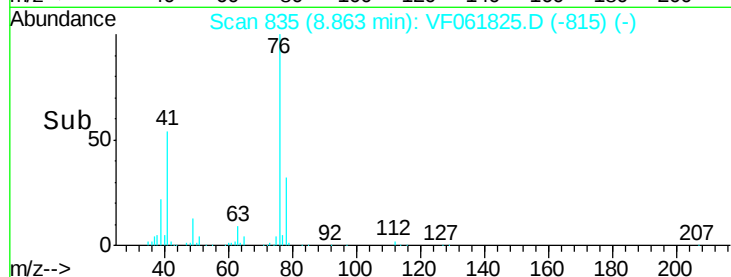
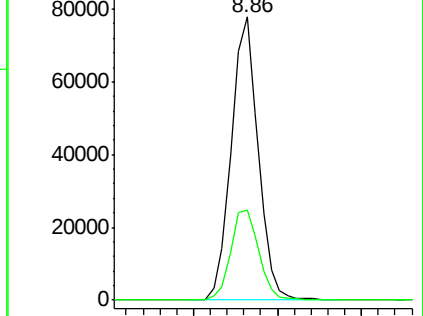
MMDadoda

3/5/2019 10:47:25 AM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 204.687 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061825.D

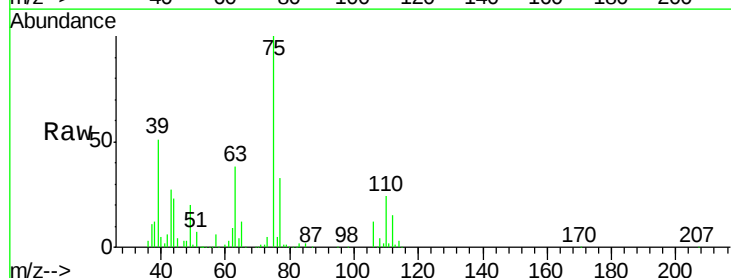
Acq: 4 Mar 2019 17:30

Tgt Ion: 63 Resp: 82829

Ion Ratio Lower Upper

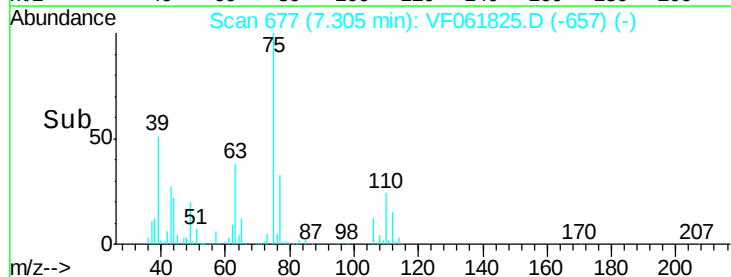
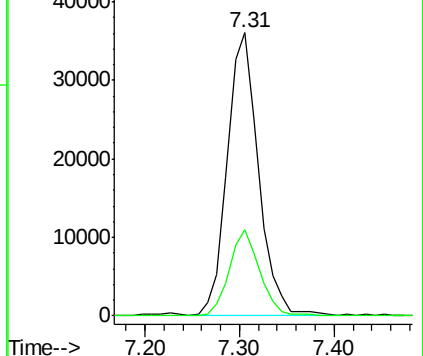
63 100

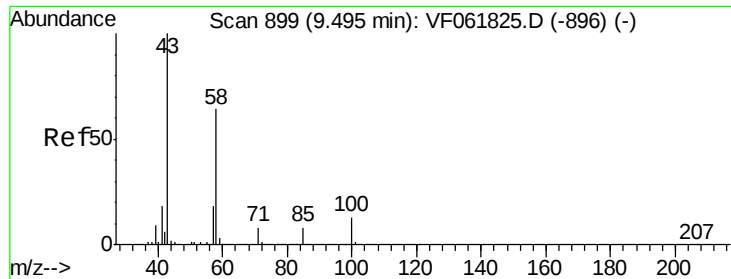
106 30.4 24.6 36.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





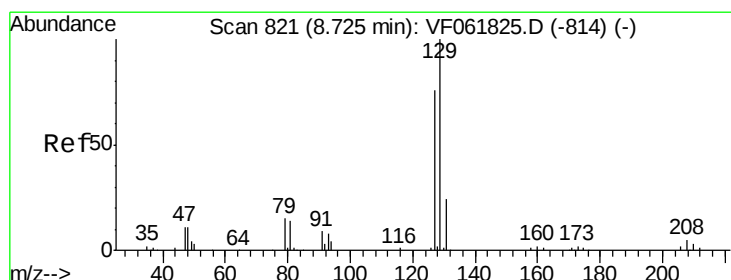
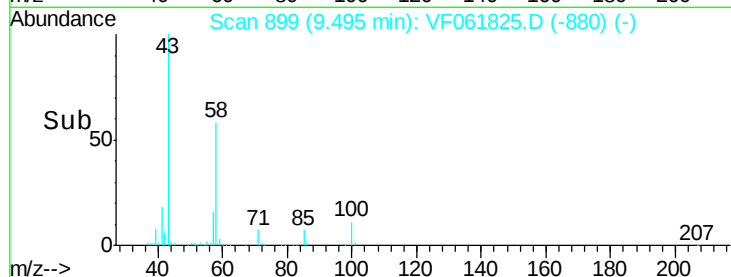
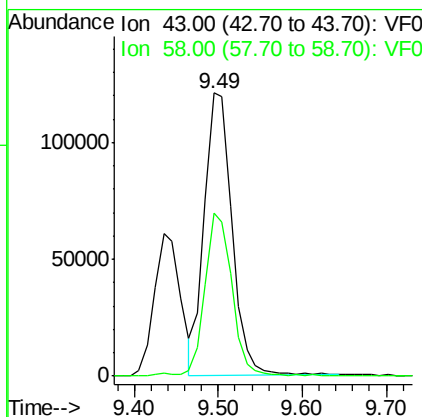
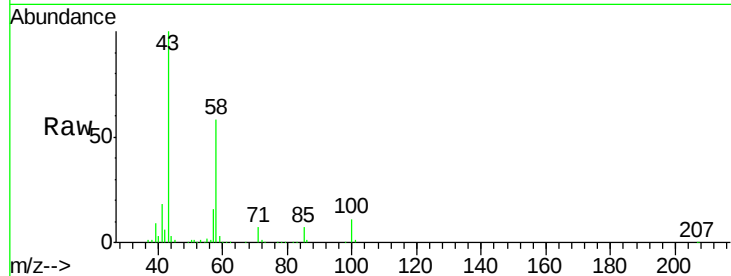
#59
2-Hexanone
Concen: 221.219 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.5	85.5

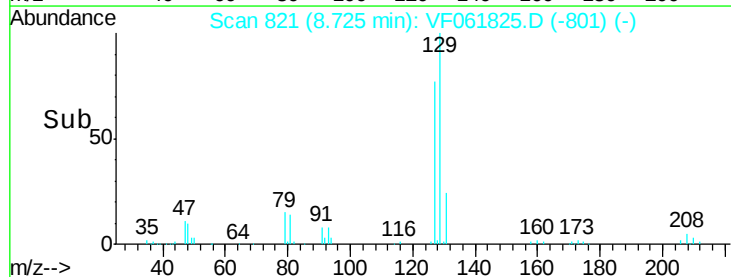
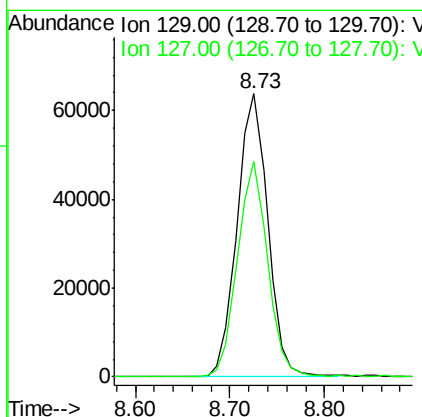
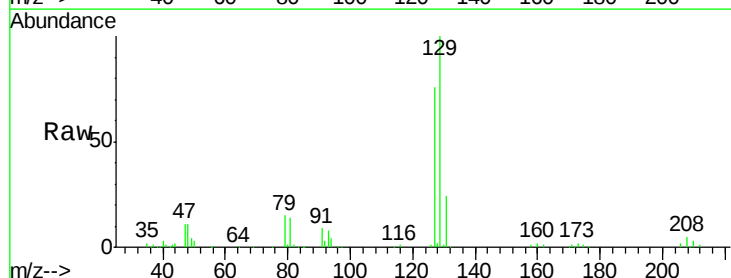
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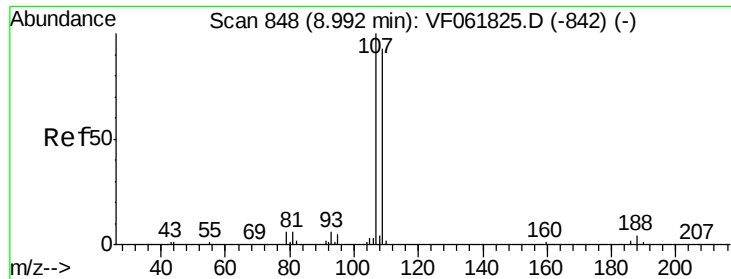
MMDadoda
3/5/2019 10:47:25 AM



#60
Dibromochloromethane
Concen: 49.049 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	37.8	113.4





#61

1,2-Dibromoethane

Concen: 49.084 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 112149

Ion Ratio Lower Upper

107 100

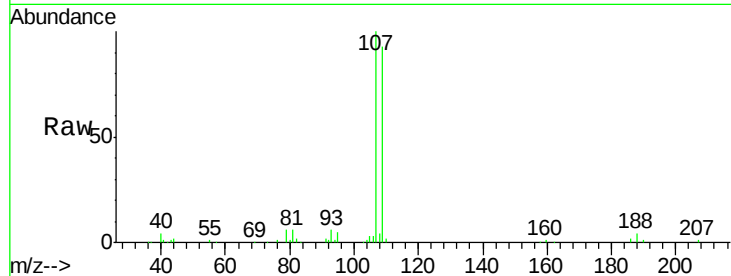
109 93.3 77.4 116.0

Manual Integrations

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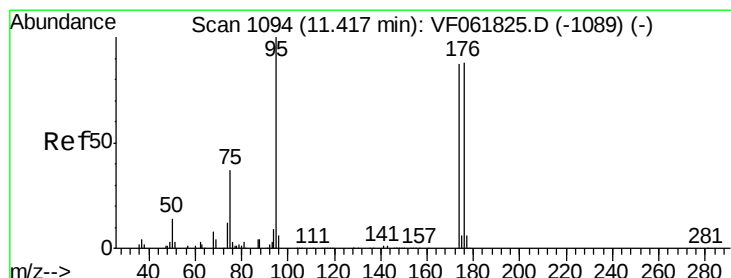
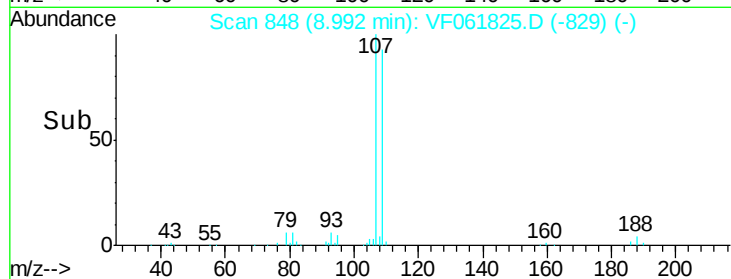
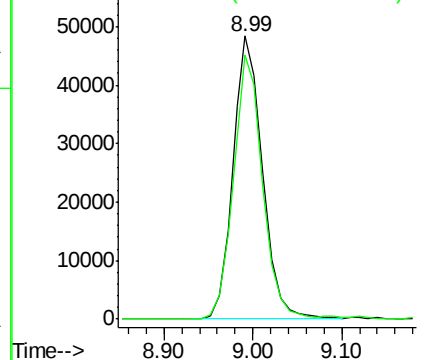
MMDadoda

3/5/2019 10:47:25 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.323 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

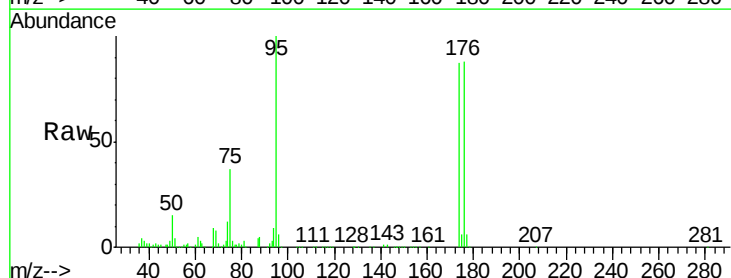
Tgt Ion: 95 Resp: 182557

Ion Ratio Lower Upper

95 100

174 87.0 0.0 165.8

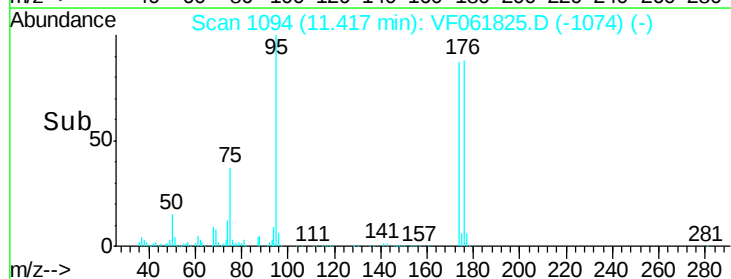
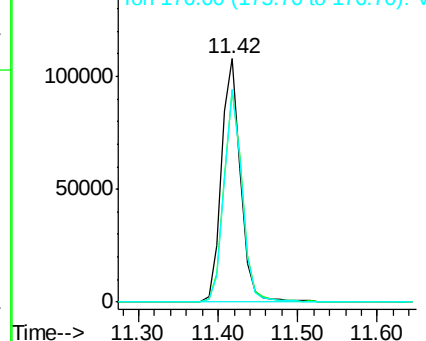
176 87.6 0.0 167.0

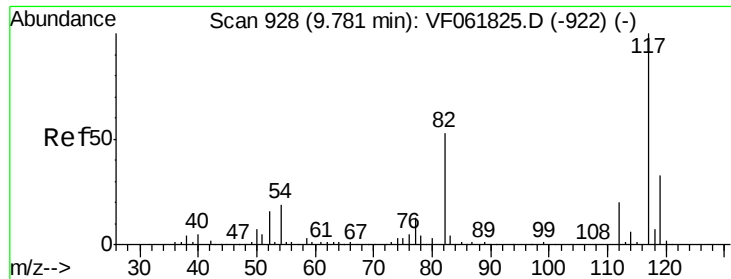


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





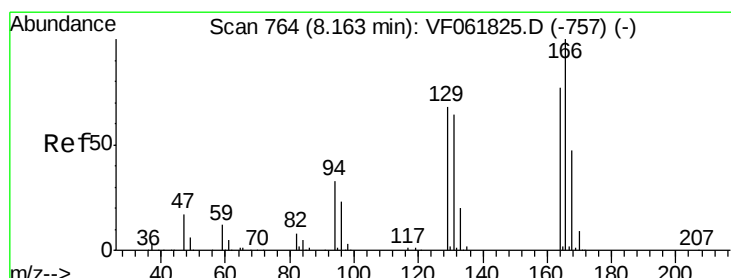
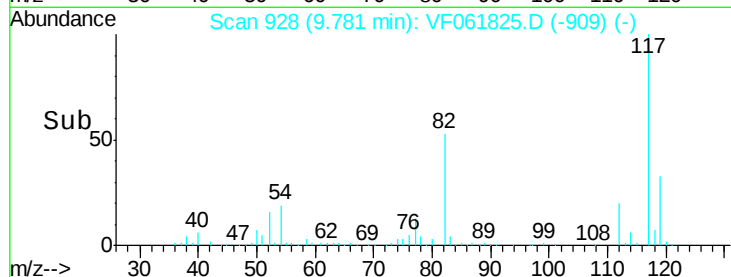
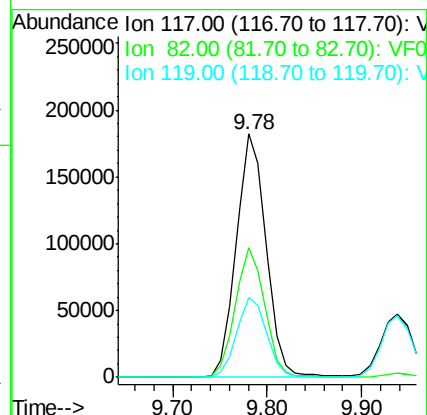
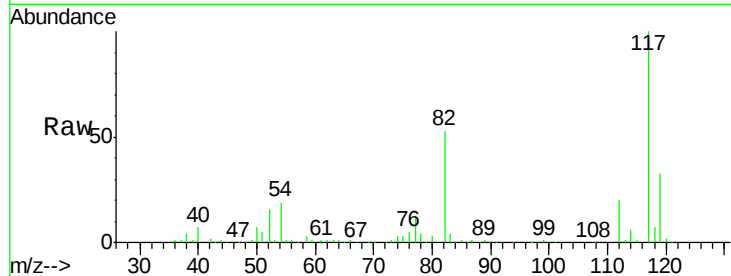
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	39.3	58.9
119	32.5	26.6	40.0

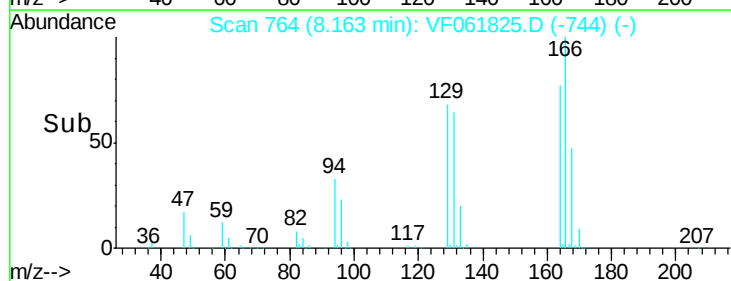
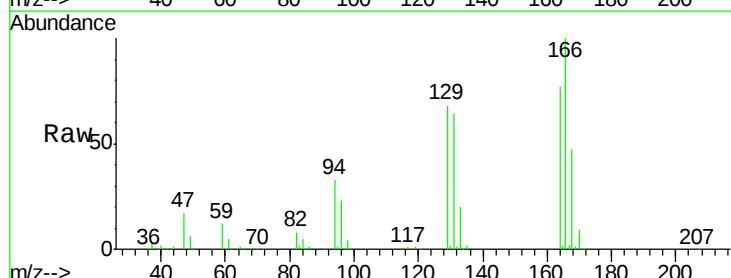
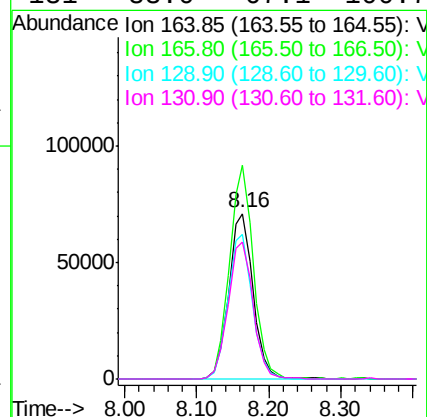
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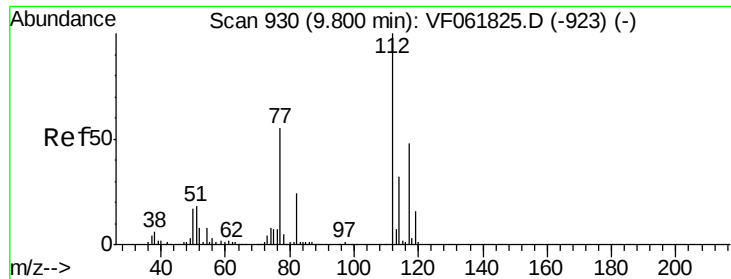
MMDadoda
3/5/2019 10:47:25 AM



#64
Tetrachloroethene
Concen: 50.949 ug/l
RT: 8.16 min Scan# 764
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.9	155.9
129	87.4	71.3	106.9
131	83.0	67.1	100.7





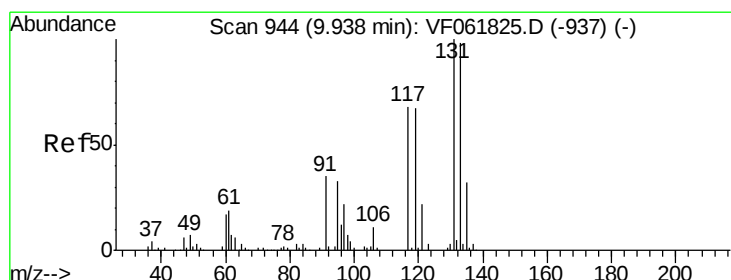
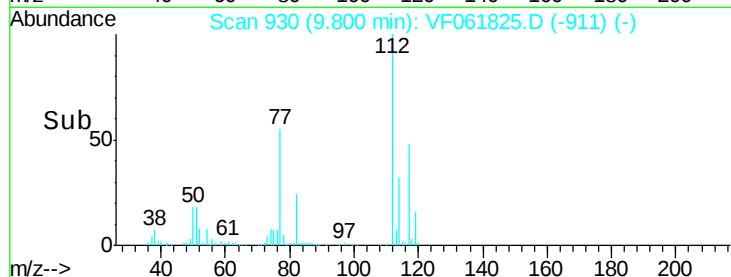
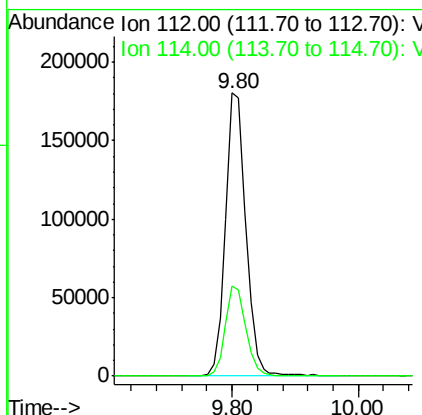
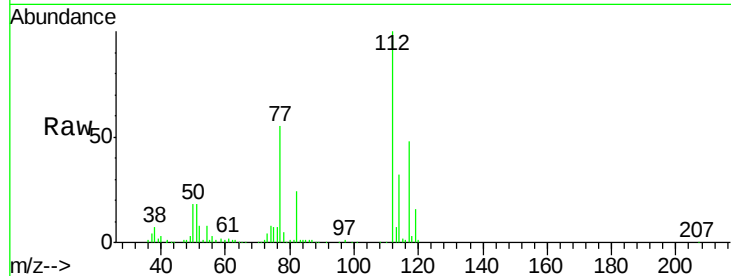
#65
Chlorobenzene
Concen: 50.085 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 404986
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.2

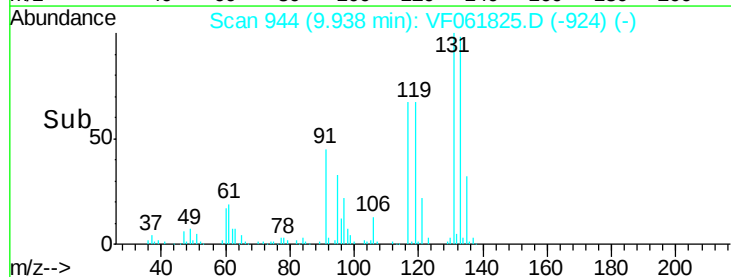
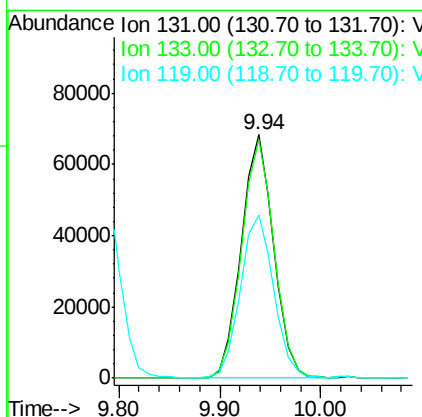
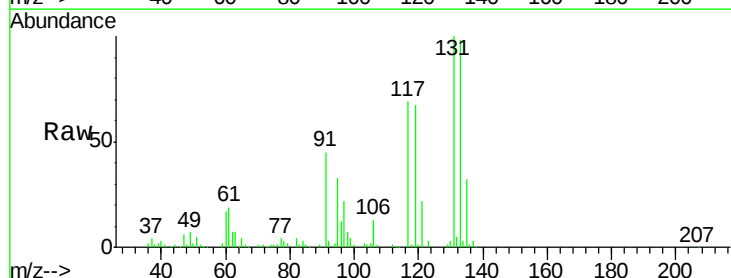
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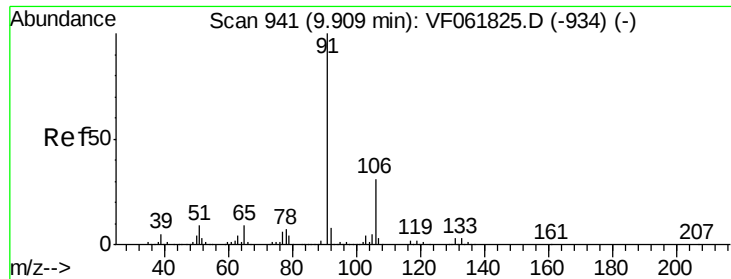
MMDadoda
3/5/2019 10:47:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.190 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion:131 Resp: 152690
Ion Ratio Lower Upper
131 100
133 97.8 48.9 146.6
119 67.2 34.8 104.3





#67

Ethyl Benzene

Concen: 50.453 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 678445

Ion Ratio Lower Upper

91 100

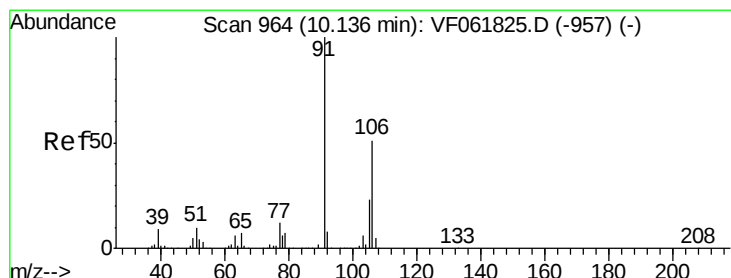
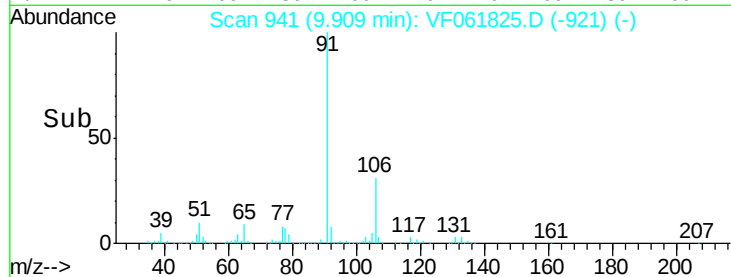
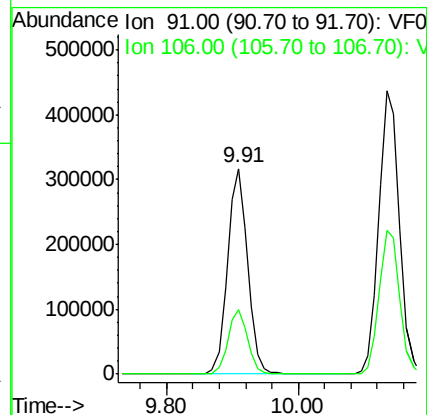
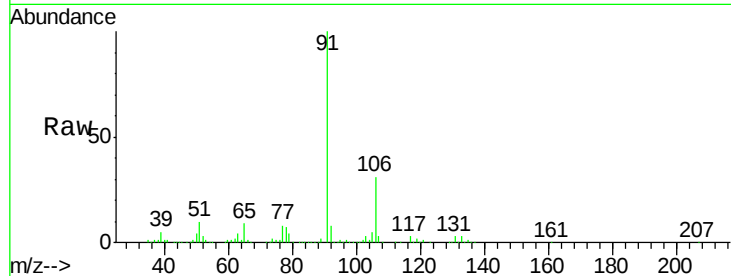
106 31.2 24.1 36.1

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 94.697 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF061825.D

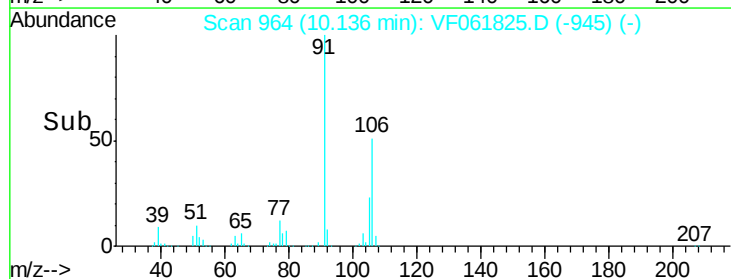
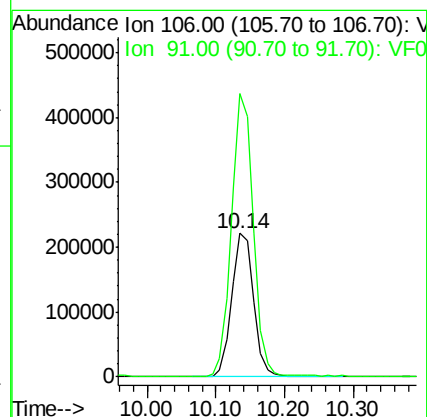
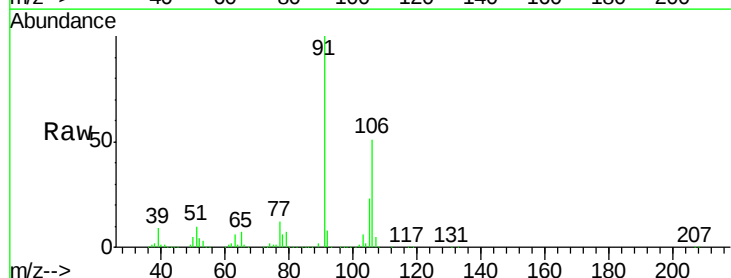
Acq: 4 Mar 2019 17:30

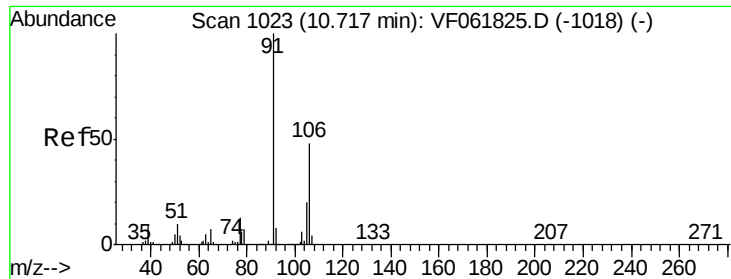
Tgt Ion: 106 Resp: 487344

Ion Ratio Lower Upper

106 100

91 196.9 153.0 229.6





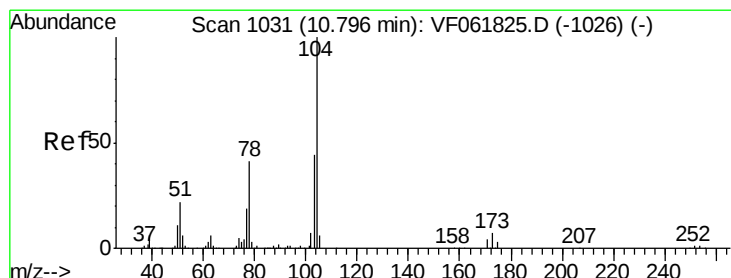
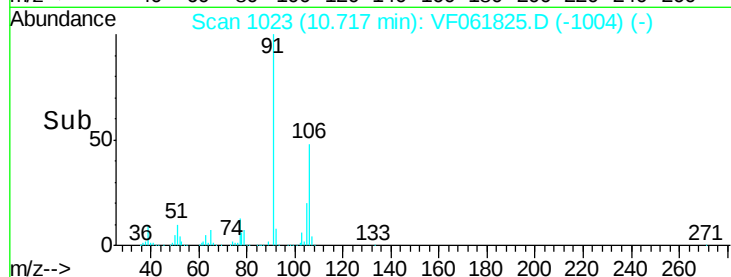
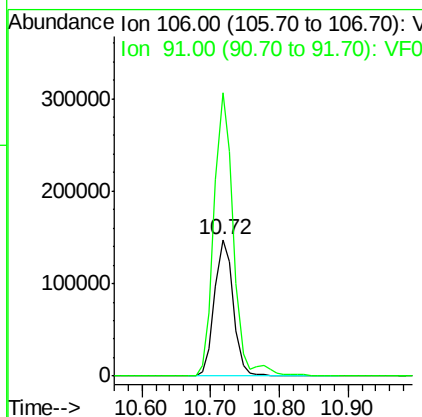
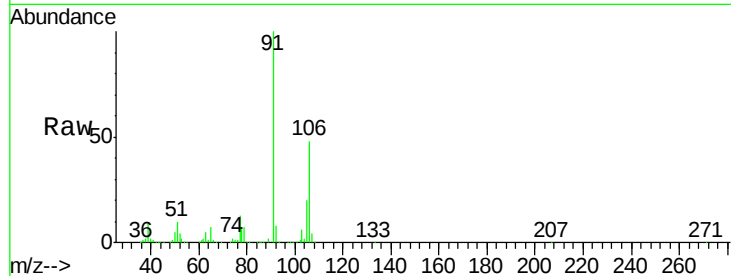
#69
o-Xylene
Concen: 51.033 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
280245	106	100		
	91	206.9	100.1	300.1

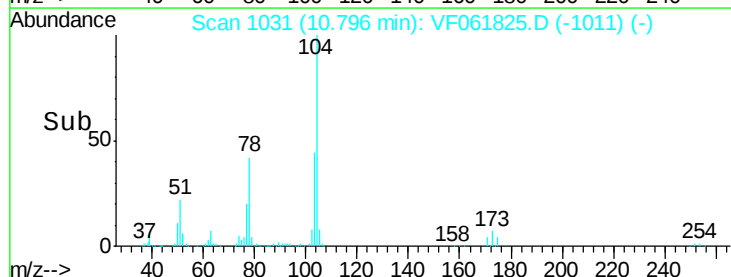
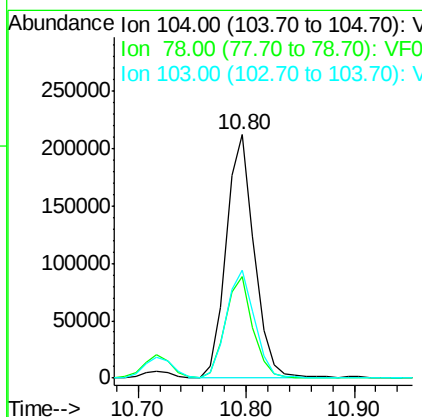
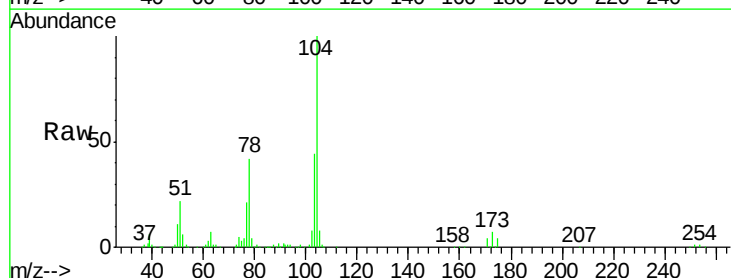
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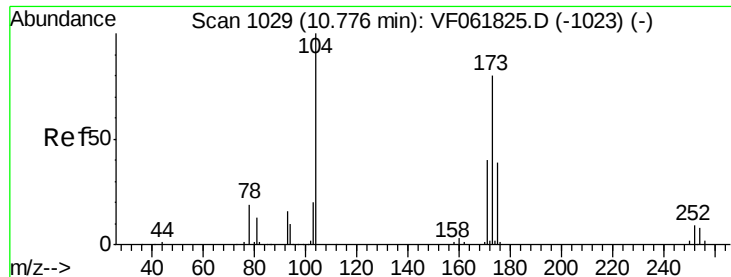
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#70
Styrene
Concen: 49.118 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
381575	104	100		
	78	41.6	33.2	49.8
	103	44.2	37.2	55.8





#71

Bromoform

Concen: 48.335 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 83163

Ion Ratio Lower Upper

173 100

175 49.0 24.0 72.0

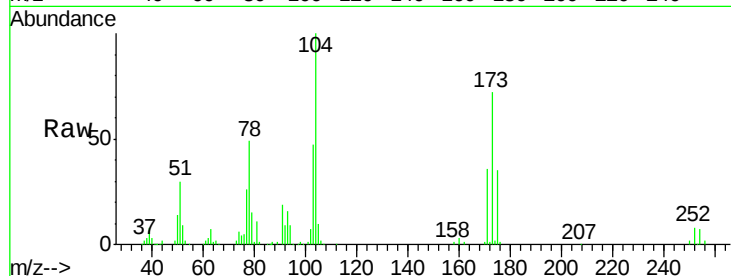
254 10.0 8.2 12.2

Manual Integrations

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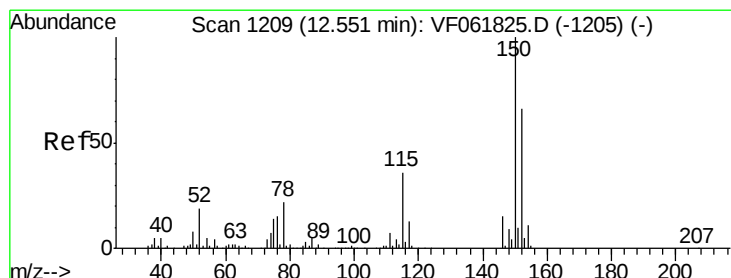
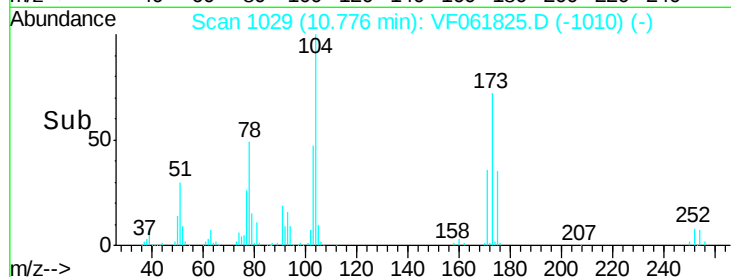
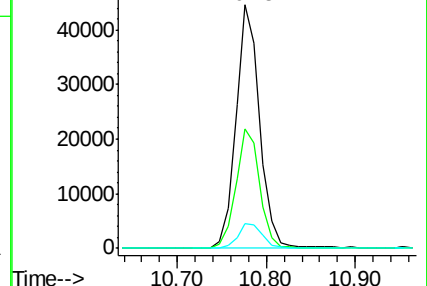
3/5/2019 10:47:25 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:152 Resp: 215263

Ion Ratio Lower Upper

152 100

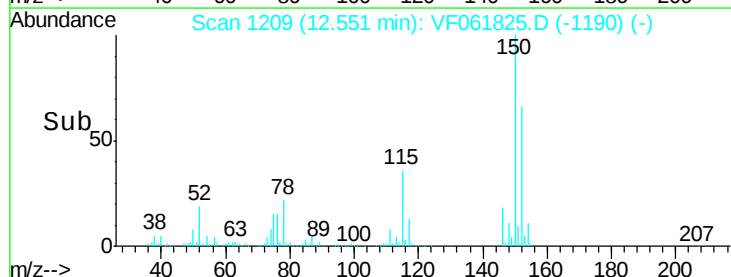
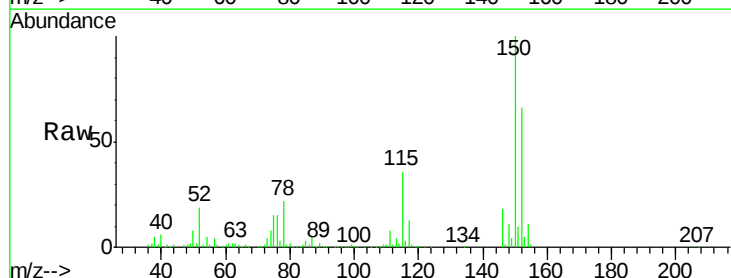
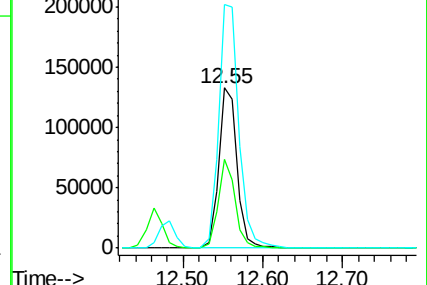
115 55.4 24.3 72.8

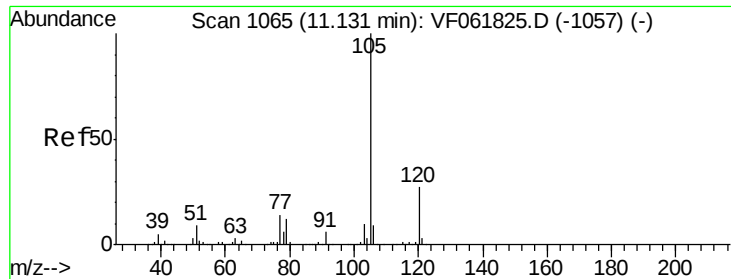
150 152.1 0.0 312.0

Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 50.427 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 772865

Ion Ratio Lower Upper

105 100

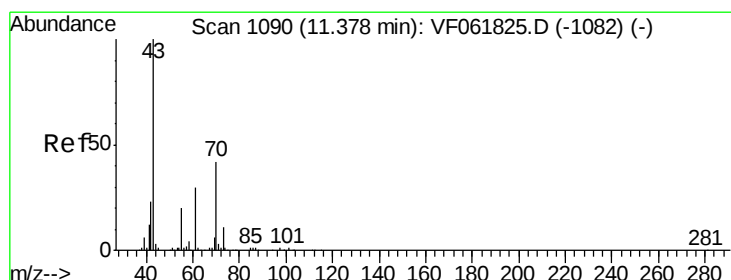
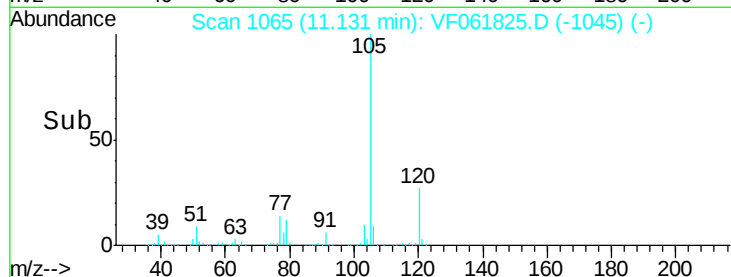
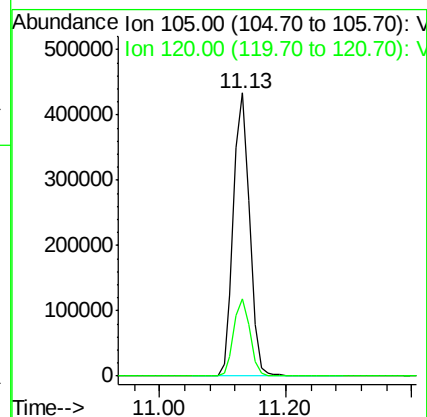
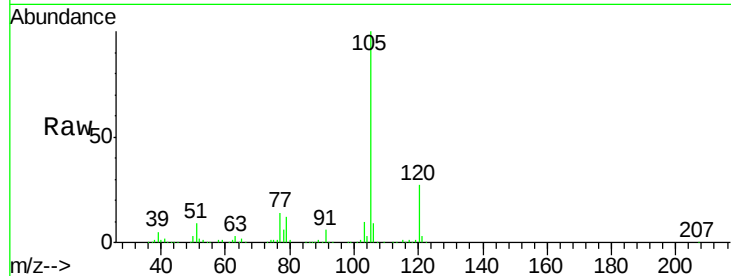
120 27.3 13.4 40.1

Manual Integrations

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3/5/2019 10:47:25 AM



#74

N-ethyl acetate

Concen: 48.327 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion: 43 Resp: 177779

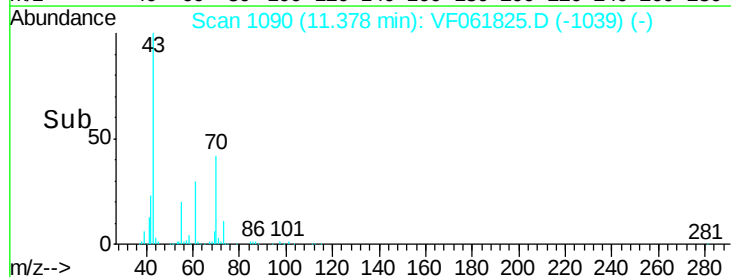
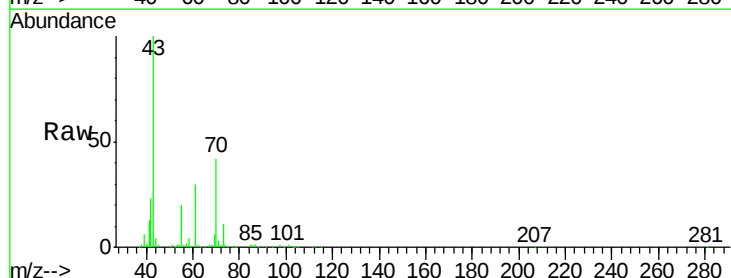
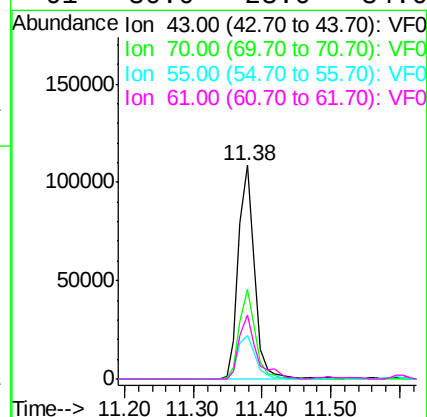
Ion Ratio Lower Upper

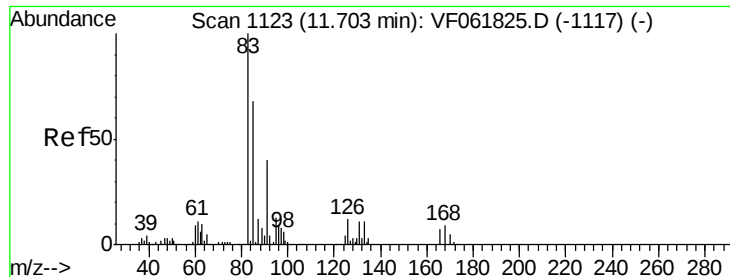
43 100

70 41.7 31.5 47.3

55 20.4 16.7 25.1

61 30.0 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.287 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

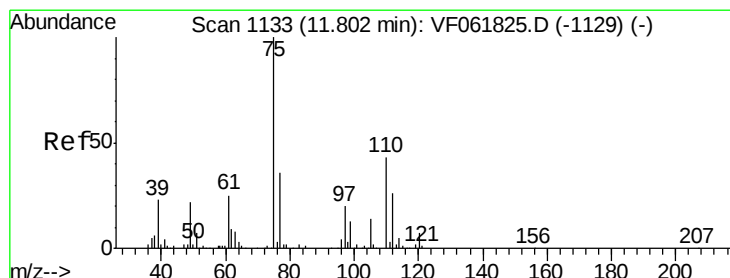
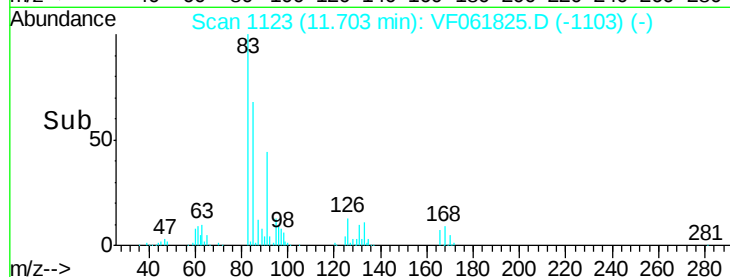
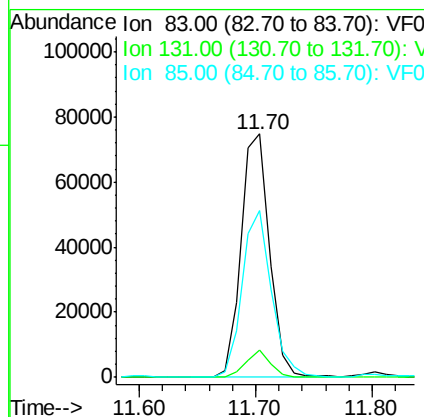
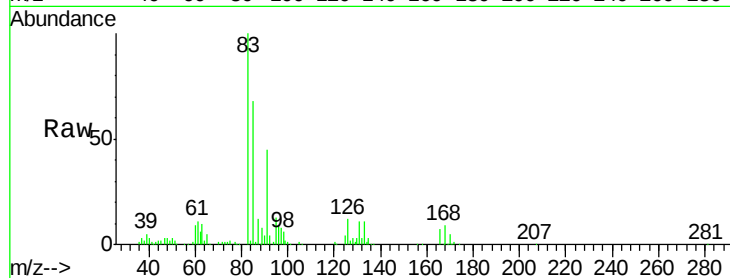
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	127093
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.4	13.2
85	68.4	31.5	94.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.605 ug/l

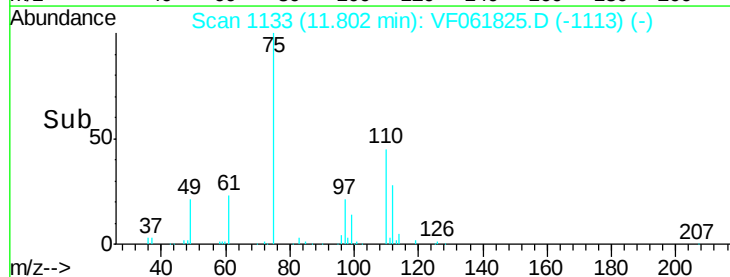
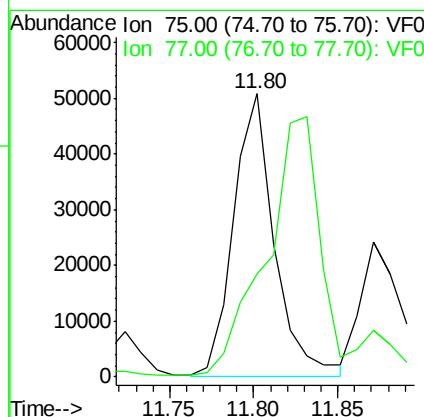
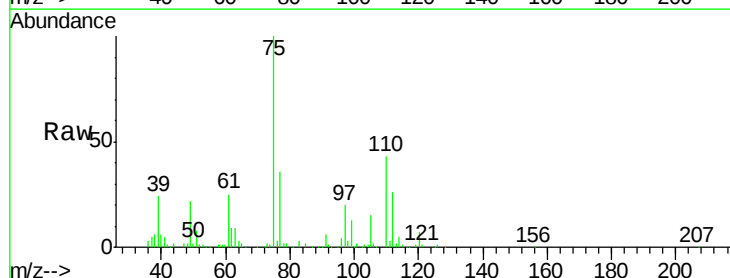
RT: 11.80 min Scan# 1133

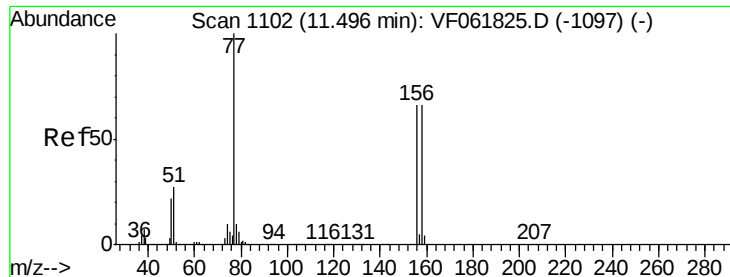
Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	75	Resp:	85136
Ion Ratio	Lower	Upper	
75	100		
77	36.3	16.6	49.7





#77

Bromobenzene

Concen: 48.264 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

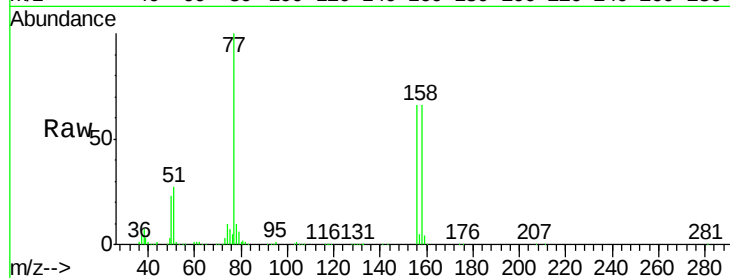
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	182743
Ion Ratio	Lower	Upper	
156	100		
77	151.4	64.3	192.7
158	100.1	50.9	152.7

Manual Integrations
APPROVED

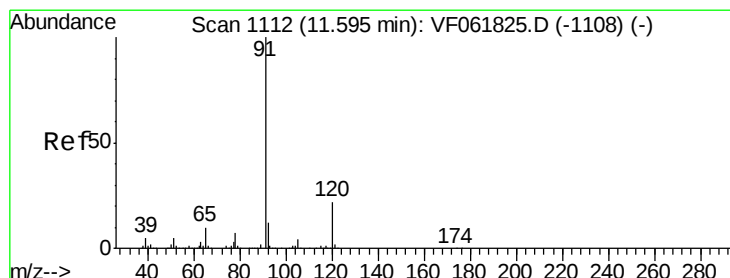
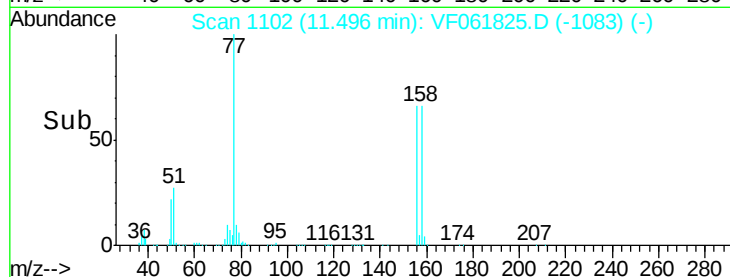
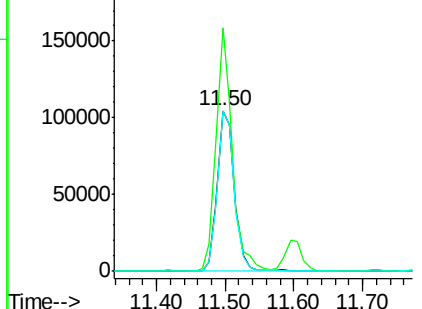
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 49.798 ug/l

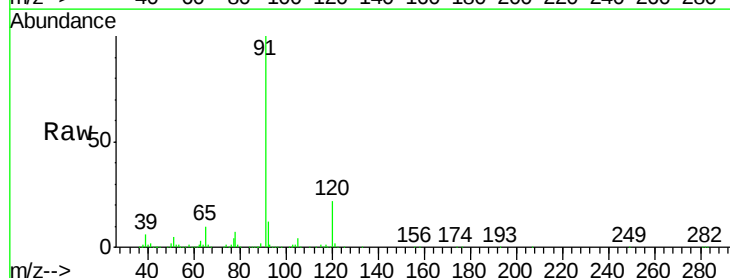
RT: 11.59 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF061825.D

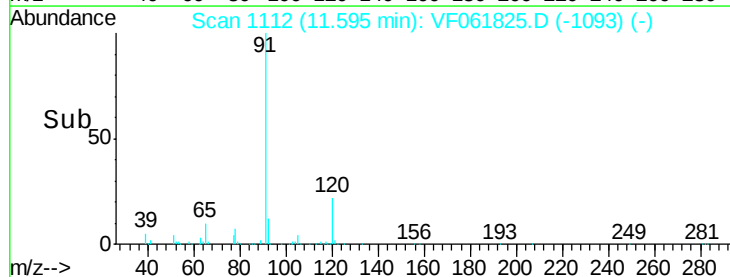
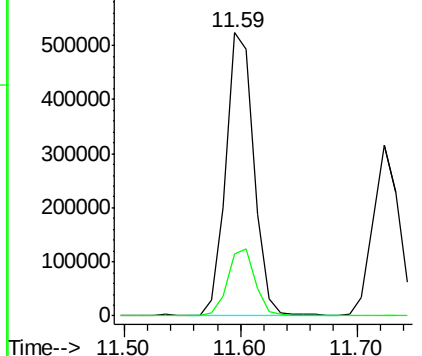
Acq: 4 Mar 2019 17:30

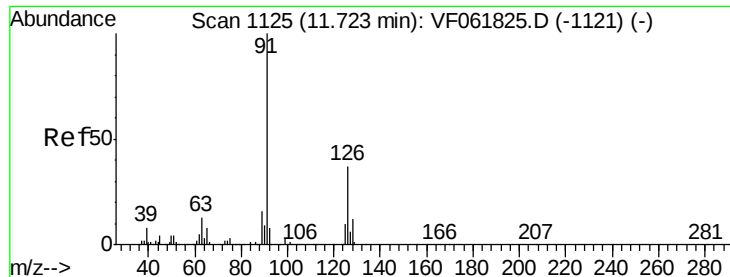
Tgt Ion:	91	Resp:	875815
Ion Ratio	Lower	Upper	
91	100		
120	22.1	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





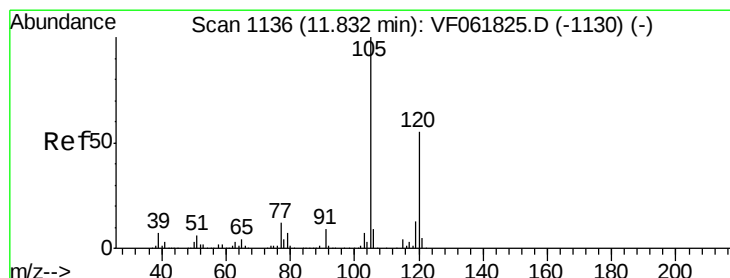
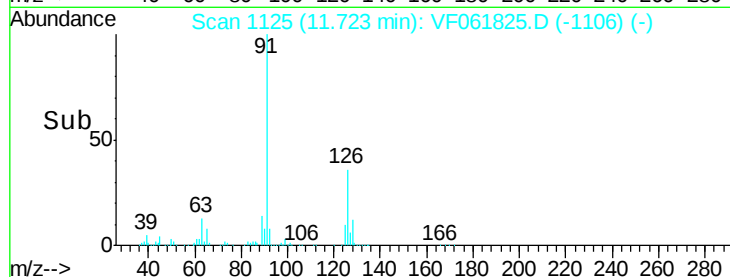
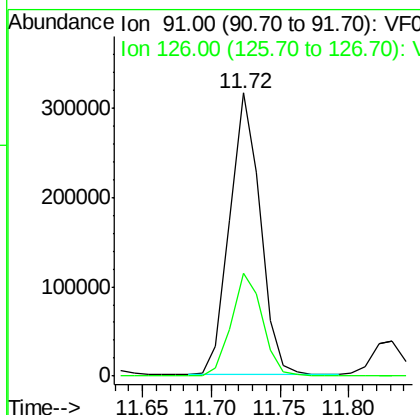
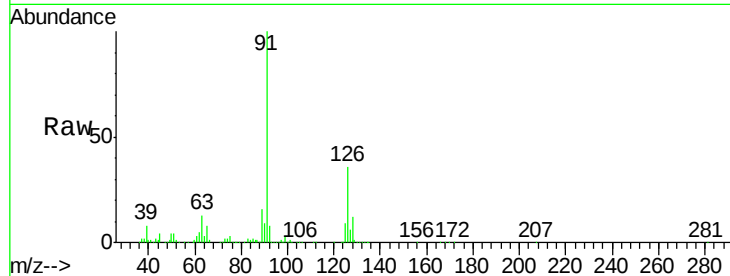
#79
 2-Chlorotoluene
 Concen: 49.495 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 487514
 Ion Ratio Lower Upper
 91 100
 126 36.3 19.8 59.4

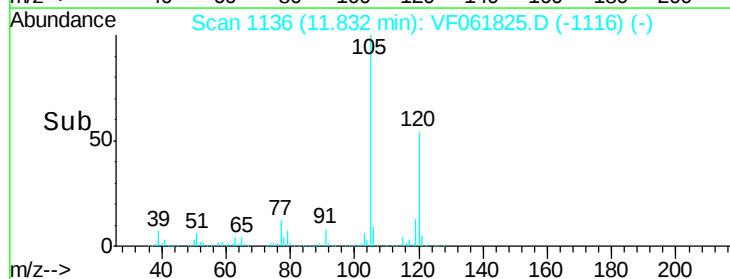
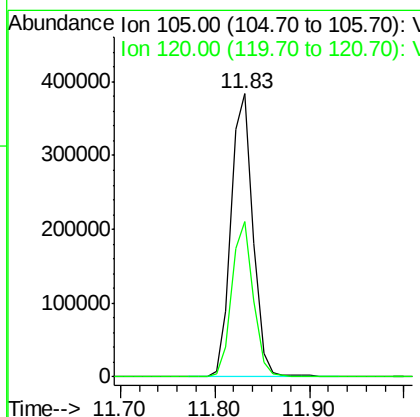
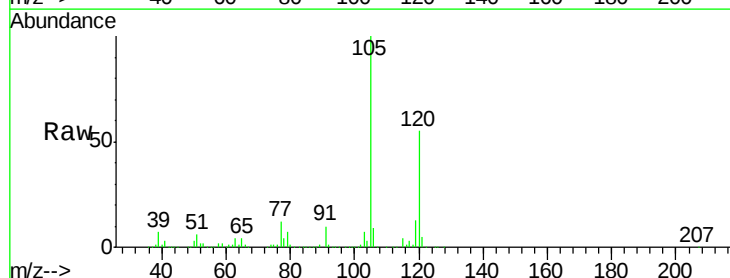
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.589 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion: 105 Resp: 619688
 Ion Ratio Lower Upper
 105 100
 120 54.8 27.9 83.6





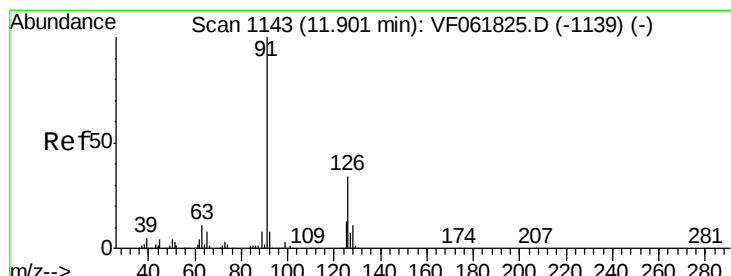
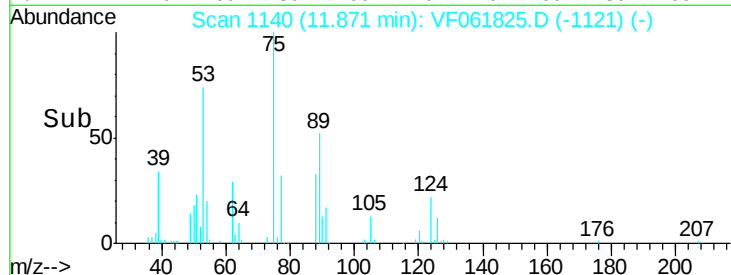
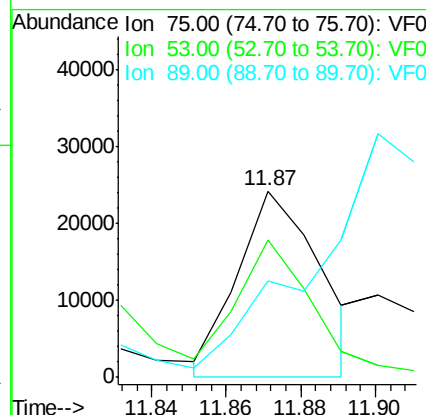
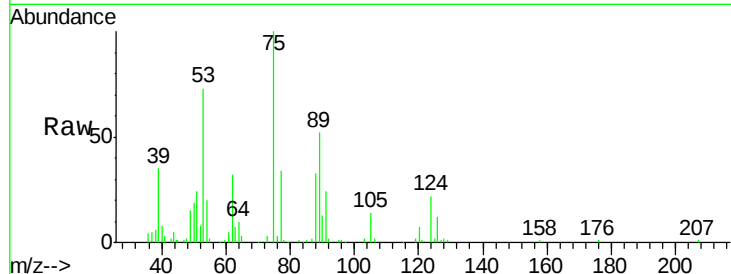
#81
trans-1,4-Dichloro-2-butene
Concen: 41.778 ug/l m
RT: 11.87 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	73.3	53.7	80.5
89	51.7	41.6	62.4

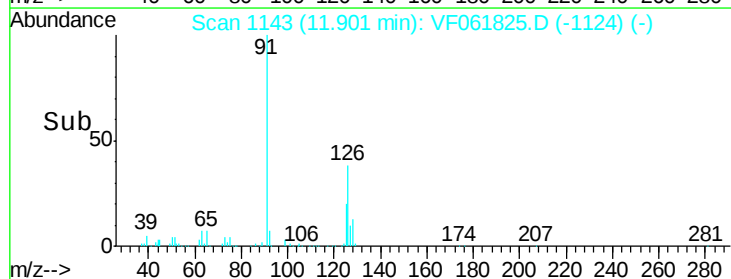
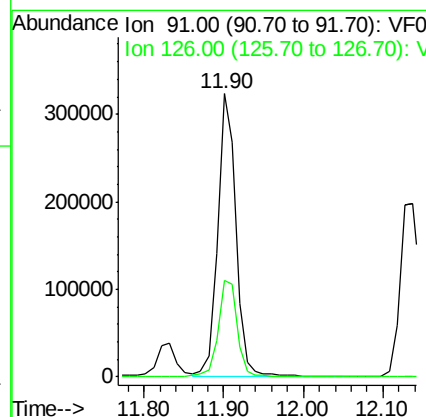
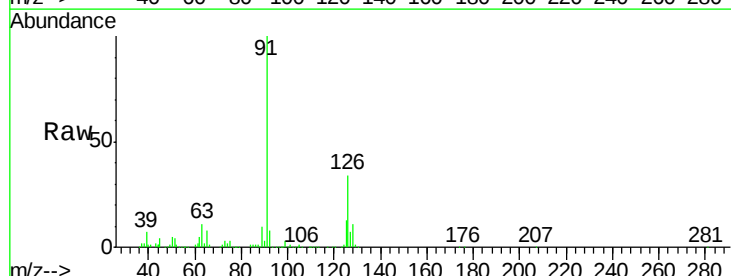
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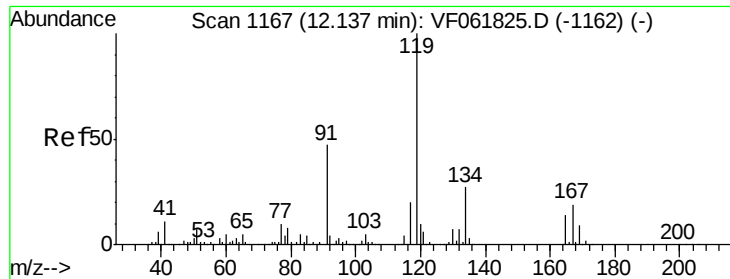
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#82
4-Chlorotoluene
Concen: 50.494 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	19.1	57.1





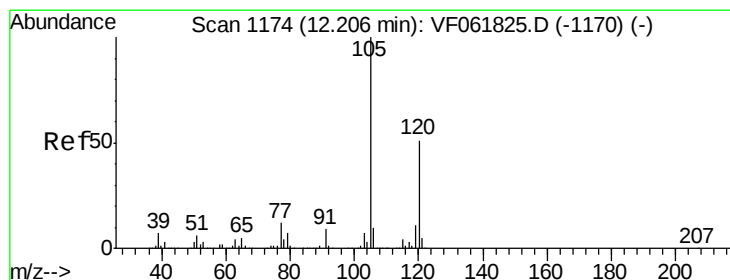
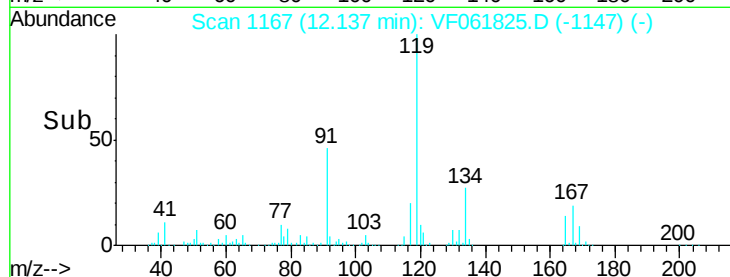
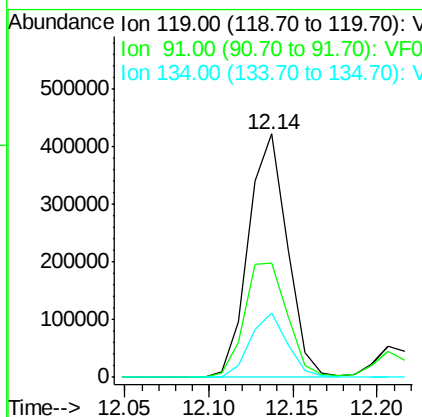
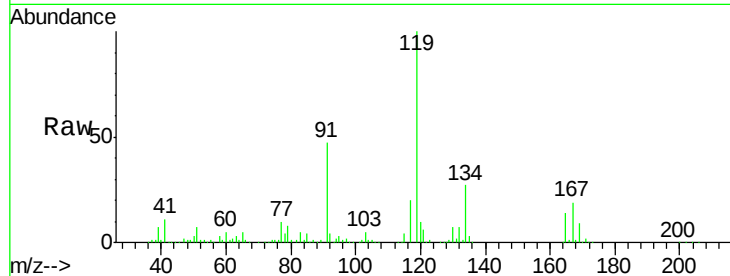
#83
 tert-Butylbenzene
 Concen: 49.901 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	47.0	26.3	78.8
134	26.5	12.9	38.7

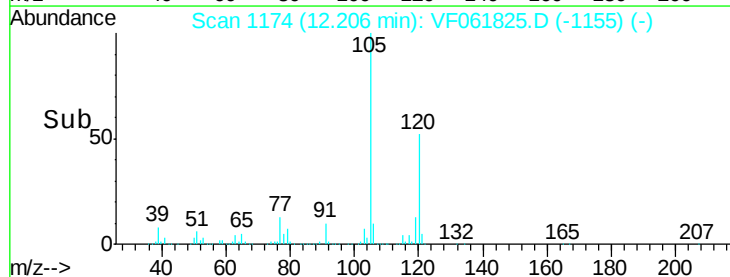
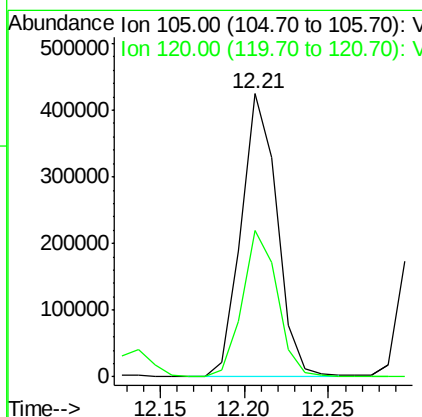
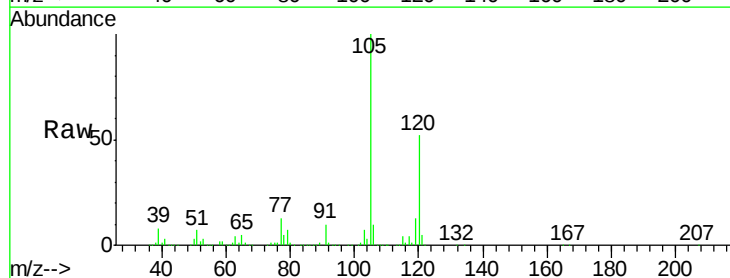
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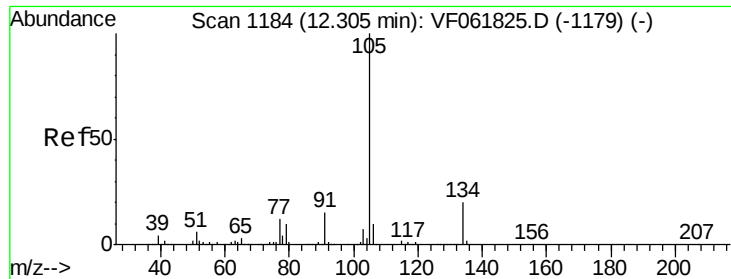
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.501 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.6	26.1	78.3





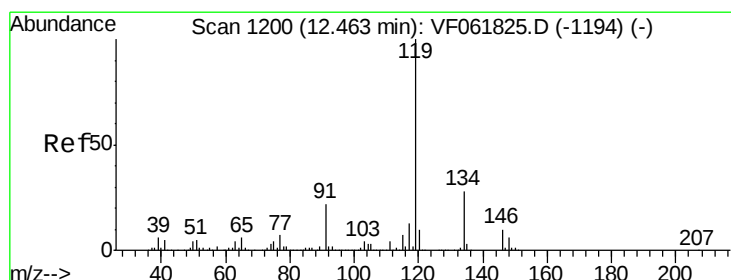
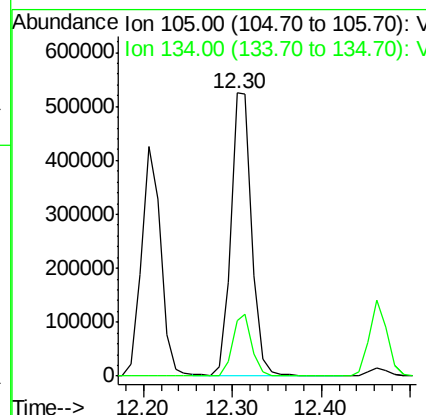
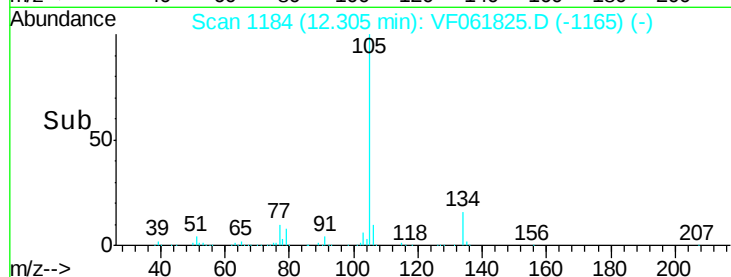
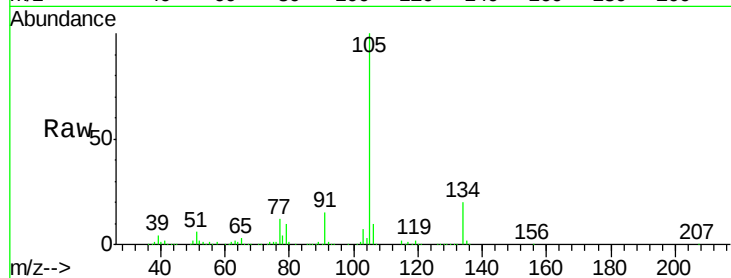
#85
 sec-Butylbenzene
 Concen: 49.782 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.8	32.4

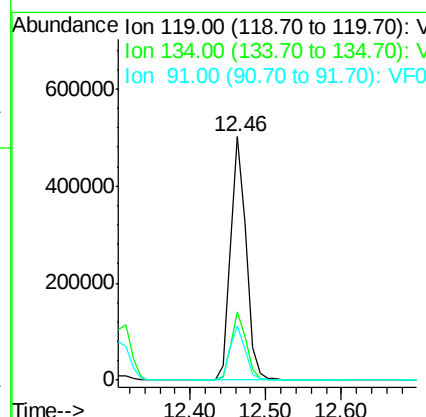
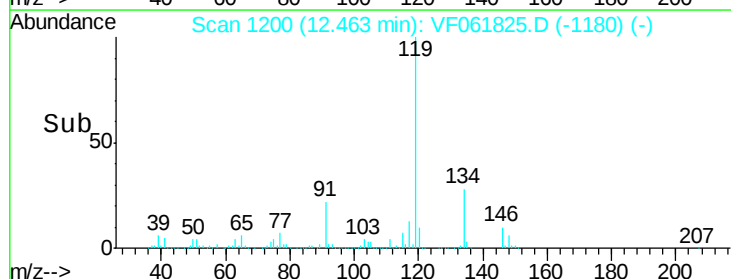
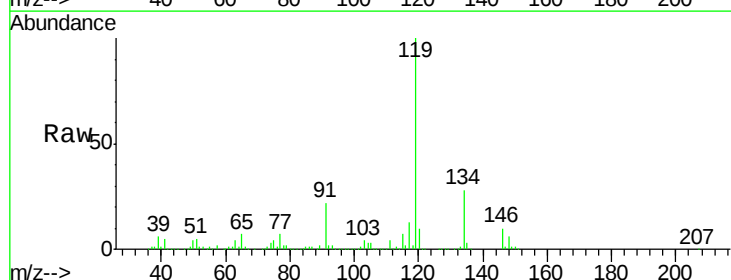
Manual Integrations
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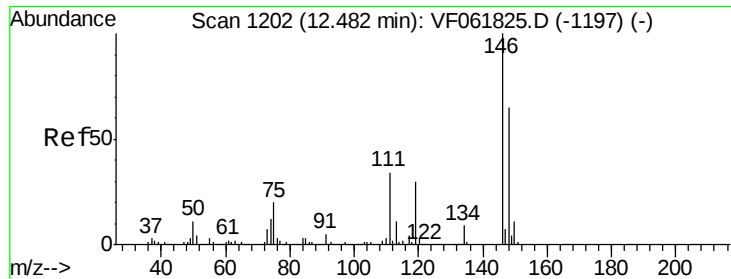
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#86
 p-Isopropyltoluene
 Concen: 48.125 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.7	41.1
91	22.2	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 46.197 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Instrument :

MSVOA_F

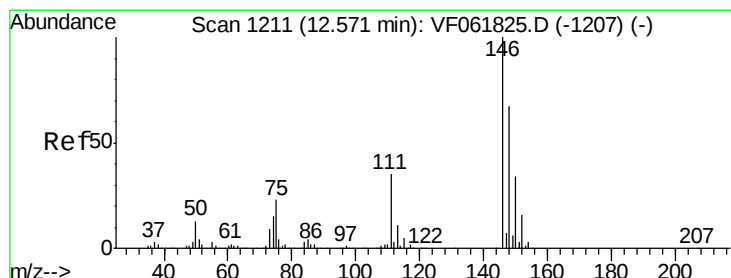
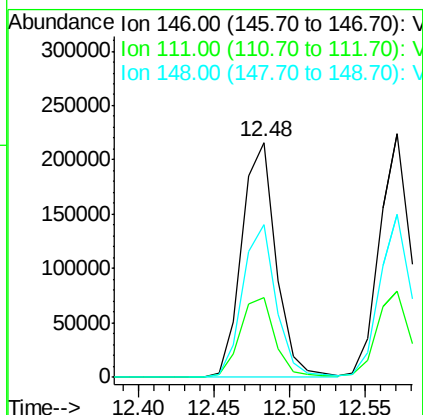
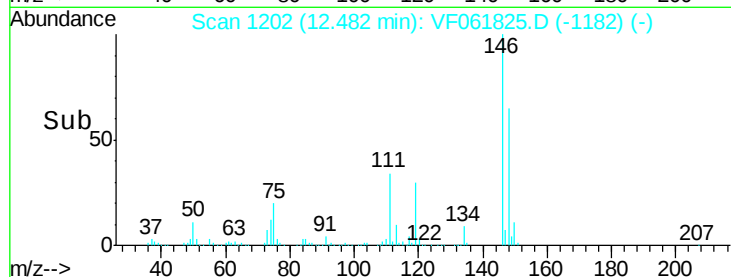
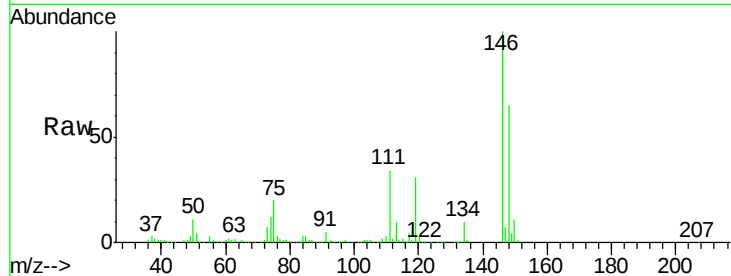
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	341001
Ion Ratio	Lower	Upper	
146	100		
111	34.0	17.5	52.6
148	65.0	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.819 ug/l

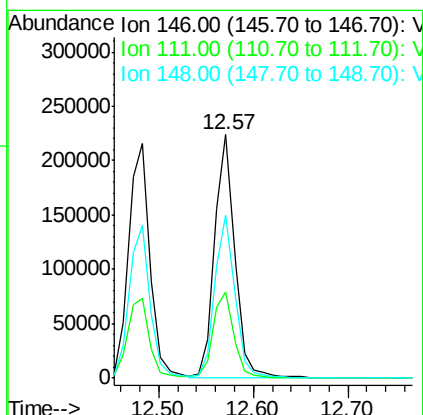
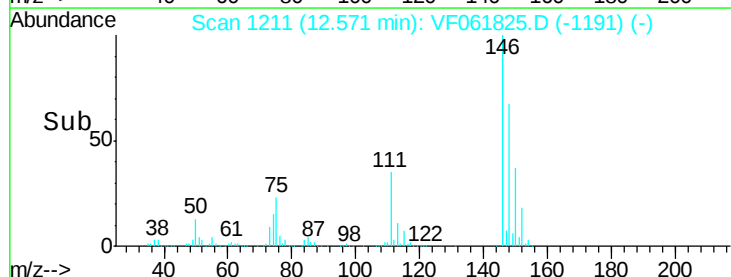
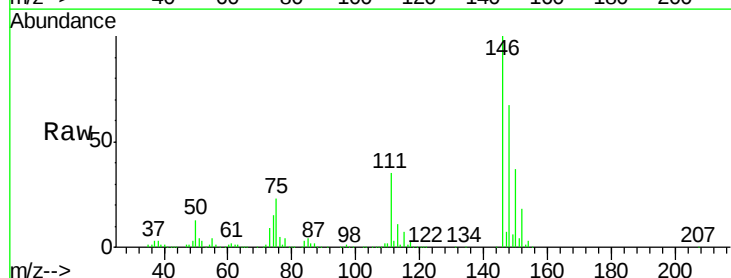
RT: 12.57 min Scan# 1211

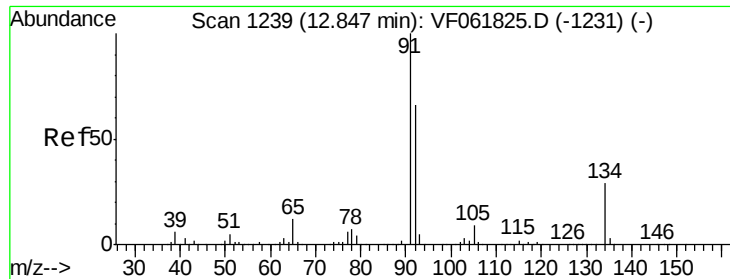
Delta R.T. 0.00 min

Lab File: VF061825.D

Acq: 4 Mar 2019 17:30

Tgt Ion:	146	Resp:	332361
Ion Ratio	Lower	Upper	
146	100		
111	35.3	18.4	55.4
148	66.9	32.2	96.6





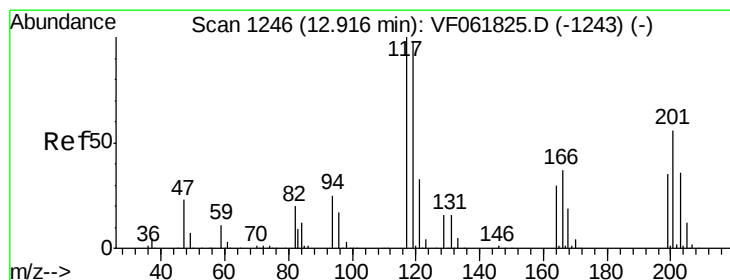
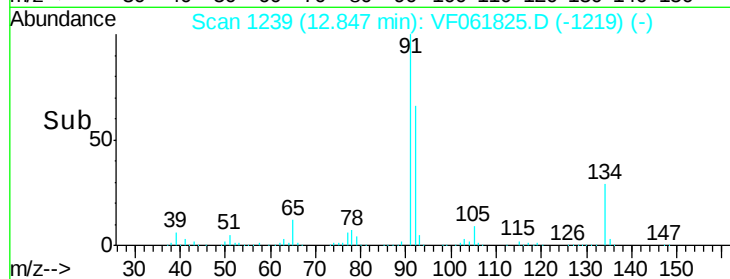
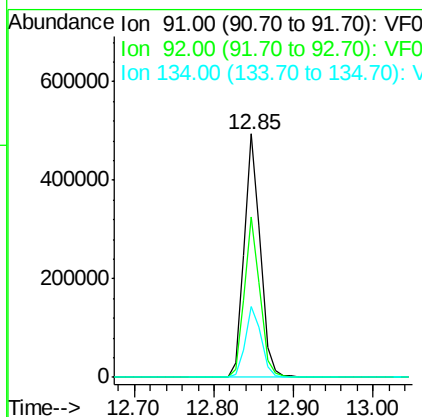
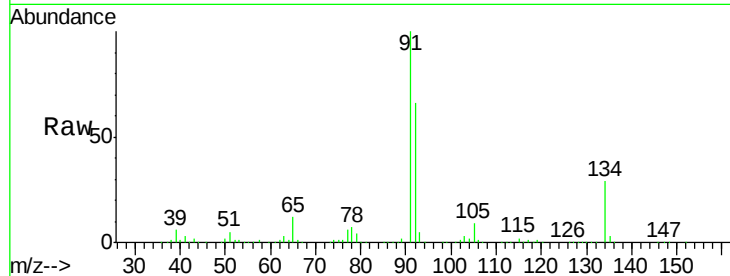
#89
n-Butylbenzene
Concen: 49.446 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.7	31.4	94.3
134	29.1	12.3	36.9

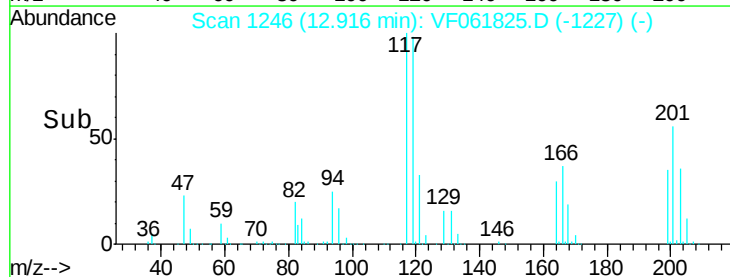
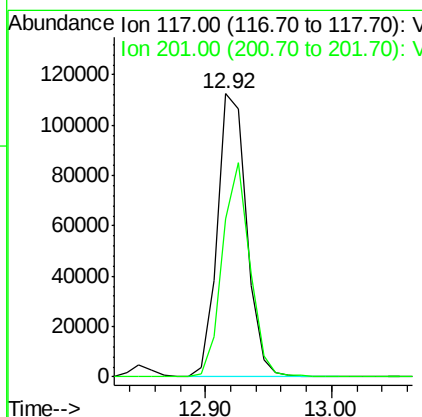
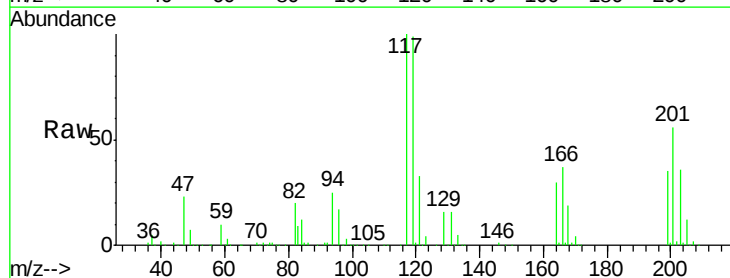
Manual Integrations
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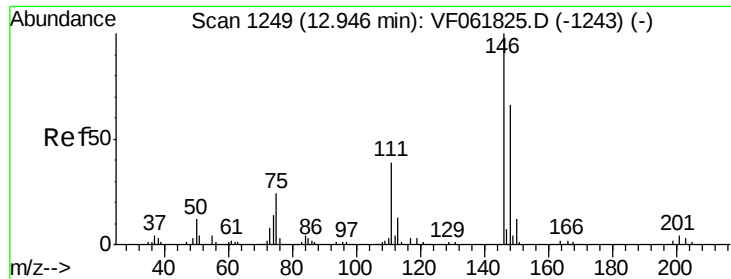
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#90
Hexachloroethane
Concen: 53.198 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.6	36.2	108.6





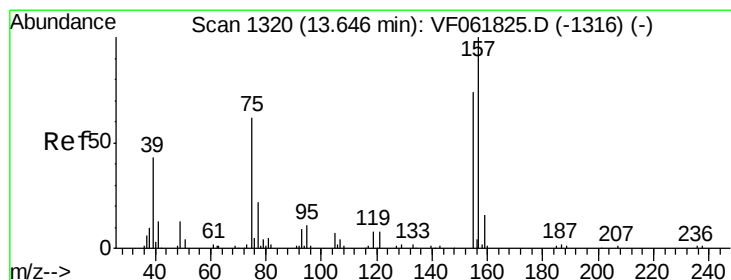
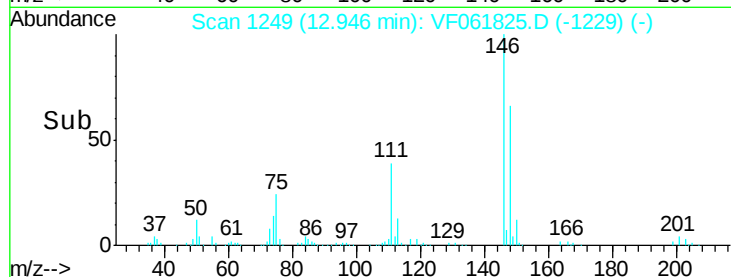
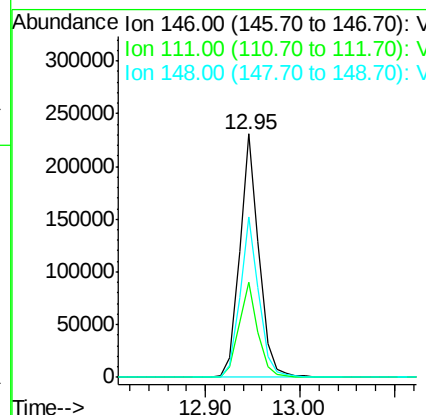
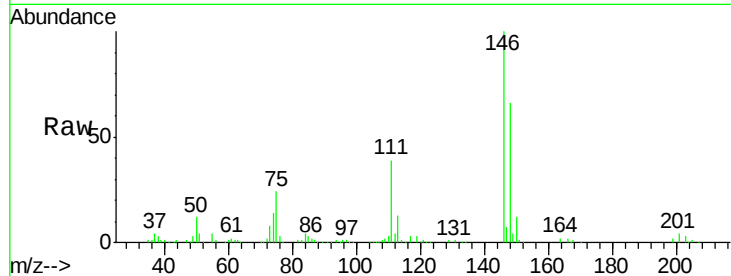
#91
 1,2-Dichlorobenzene
 Concen: 46.190 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.2	60.5
148	65.9	32.3	96.9

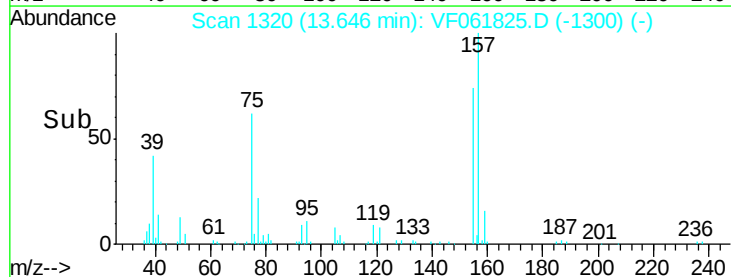
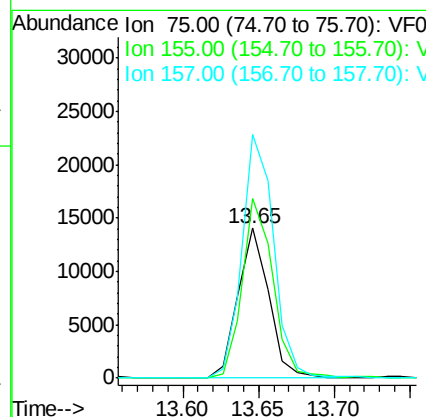
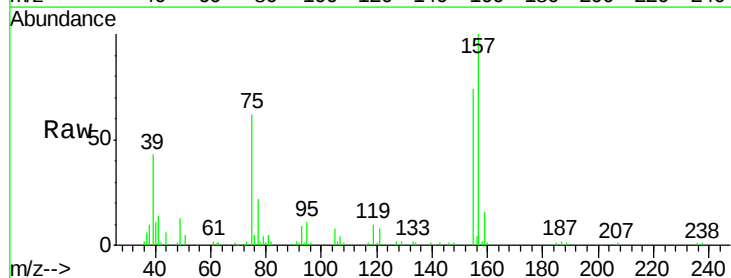
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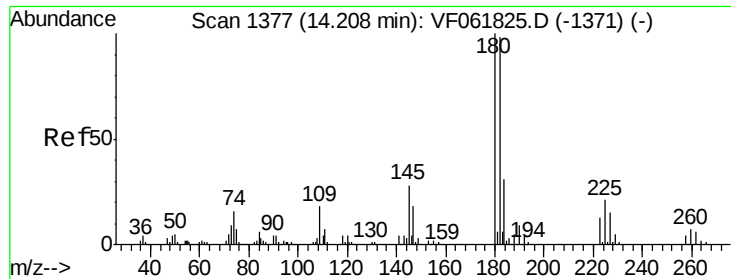
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.406 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	119.6	48.9	146.8
157	162.3	58.3	174.8





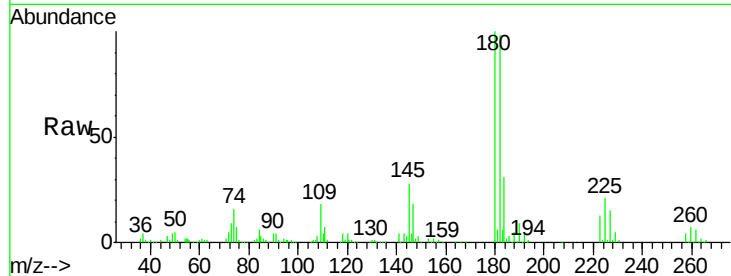
#93
 1,2,4-Trichlorobenzene
 Concen: 44.636 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

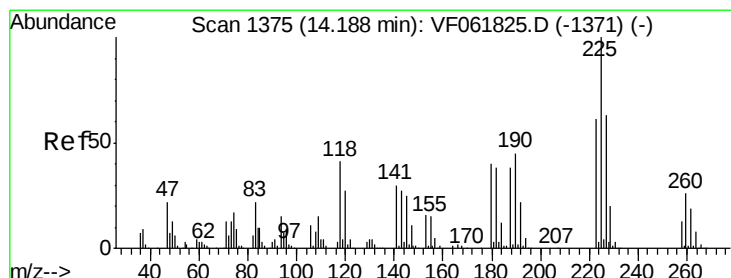
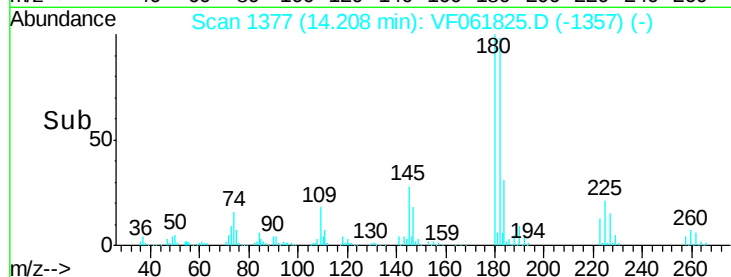
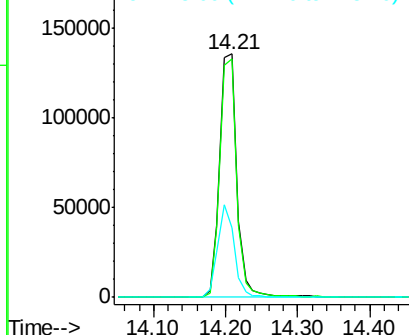
Tot Ion	Ratio	Resp	Lower	Upper
180	100	224629		
182	98.1	48.6	145.9	
145	28.3	15.3	45.9	

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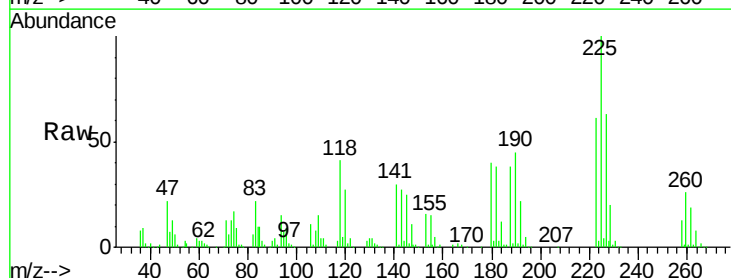


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

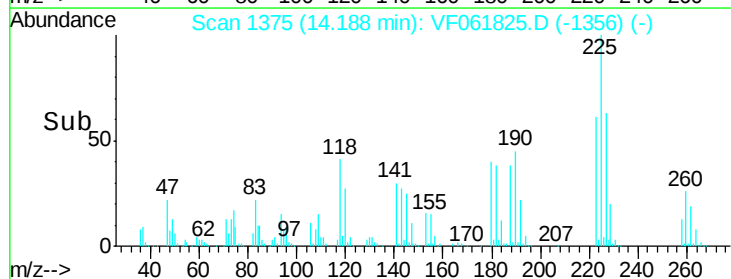
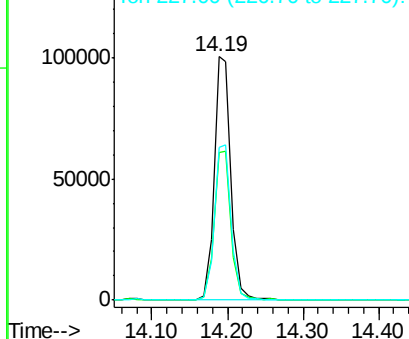


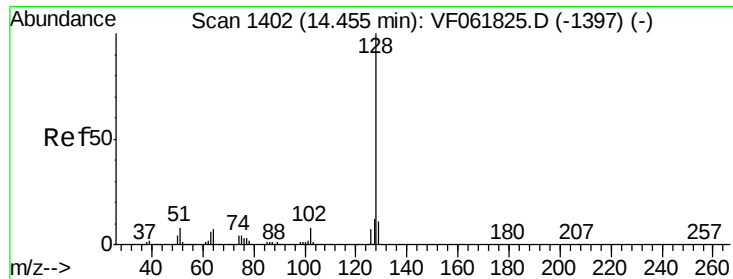
#94
 Hexachlorobutadiene
 Concen: 50.523 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF061825.D
 Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157026		
223	60.6	30.9	92.7	
227	62.5	32.1	96.3	



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





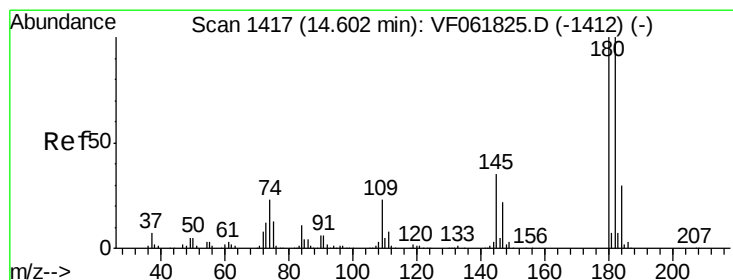
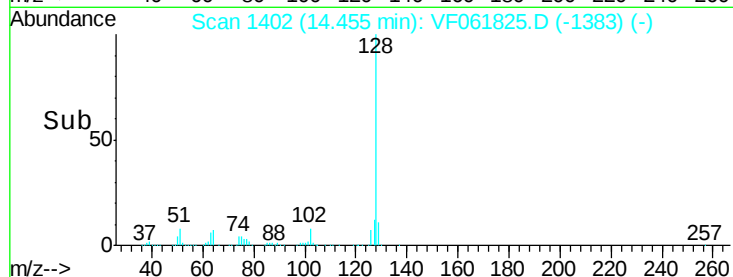
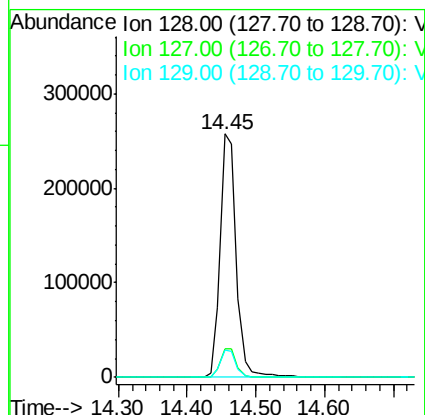
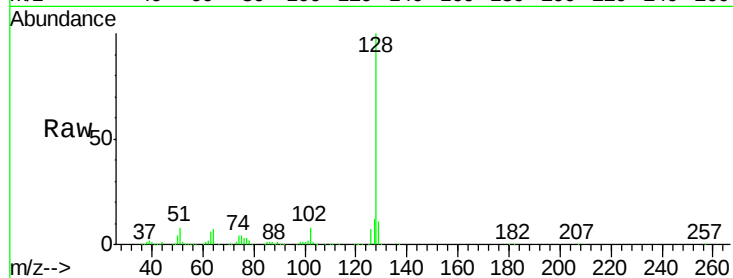
#95
Naphthalene
Concen: 47.745 ug/l
RT: 14.45 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	420383		
127	11.6		9.8	14.6
129	11.0		9.4	14.2

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#96
1,2,3-Trichlorobenzene
Concen: 47.372 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF061825.D
Acq: 4 Mar 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	218811		
182	100.5		49.0	147.2
145	35.0		15.4	46.1

