

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062908.D
 Acq On : 10 Jun 2019 16:05
 Operator : FY/SY
 Sample : VF0610SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:43 PM

Quant Time: Jun 11 01:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	783970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1331842	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1004430	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	460013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	257603	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
35) Dibromofluoromethane	4.32	113	499917	49.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.34%	
50) Toluene-d8	7.72	98	1214687	47.73	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.49	95	416499	45.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	188584	18.551	ug/l	90
3) Chloromethane	1.14	50	148594m	18.318	ug/l	
4) Vinyl Chloride	1.20	62	152468	18.914	ug/l	92
5) Bromomethane	1.40	94	83326	18.126	ug/l	97
6) Chloroethane	1.44	64	53464	17.739	ug/l	90
7) Trichlorofluoromethane	1.57	101	229768	20.134	ug/l	94
8) Diethyl Ether	1.72	74	44853	19.978	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	142079	19.803	ug/l	96
10) Methyl Iodide	1.98	142	260176	18.086	ug/l #	93
11) Tert butyl alcohol	2.71	59	33408	101.726	ug/l	95
12) 1,1-Dichloroethene	1.87	96	124522	19.114	ug/l	92
13) Acrolein	2.10	56	13249	95.943	ug/l #	75
14) Allyl chloride	2.21	41	111919m	22.144	ug/l	
15) Acrylonitrile	3.10	53	98691	79.974	ug/l	96
16) Acetone	2.36	43	116319	93.746	ug/l	96
17) Carbon Disulfide	1.91	76	347886	18.270	ug/l	98
18) Methyl Acetate	2.47	43	43126	19.890	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	239574	20.298	ug/l #	90
20) Methylene Chloride	2.34	84	132691m	19.536	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	131918	20.195	ug/l	95
22) Diisopropyl ether	2.95	45	270747	18.855	ug/l	93
23) Vinyl Acetate	3.36	43	990947	100.803	ug/l	98
24) 1,1-Dichloroethane	3.03	63	216129	20.159	ug/l	98
25) 2-Butanone	4.53	43	286007	98.981	ug/l	97
26) 2,2-Dichloropropane	3.79	77	141581	23.257	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	216887	19.753	ug/l	96
28) Bromochloromethane	3.91	49	134448	23.054	ug/l	90
29) Tetrahydrofuran	4.28	42	121999	110.390	ug/l	99
30) Chloroform	4.06	83	309204	20.463	ug/l	98
31) Cyclohexane	3.89	56	280882	19.351	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	201118	22.860	ug/l	95
36) 1,1-Dichloropropene	4.48	75	230809	18.825	ug/l	96
37) Ethyl Acetate	4.32	43	101925	21.747	ug/l #	91
38) Carbon Tetrachloride	4.20	117	184515	22.267	ug/l	100

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Manual Integrations
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Quant Time: Jun 11 01:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	299667	19.638	ug/l	97
40) Benzene	4.83	78	705389	19.768	ug/l	94
41) Methacrylonitrile	4.94	41	52241	20.050	ug/l	90
42) 1,2-Dichloroethane	5.14	62	139750	20.592	ug/l	91
43) Isopropyl Acetate	7.13	43	121833	19.678	ug/l	94
44) Trichloroethene	5.70	130	194690	19.332	ug/l	100
45) 1,2-Dichloropropane	6.42	63	183224	20.461	ug/l	98
46) Dibromomethane	6.27	93	110838	21.200	ug/l	92
47) Bromodichloromethane	6.56	83	210415	19.762	ug/l	94
48) Methyl methacrylate	6.89	41	64969	20.361	ug/l	96
49) 1,4-Dioxane	6.88	88	18461	438.933	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	464232	105.023	ug/l	94
52) Toluene	7.79	92	376579	19.594	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	170501	19.325	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	247894	19.410	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	113497	19.767	ug/l	97
56) Ethyl methacrylate	8.76	69	130776	21.227	ug/l	96
57) 1,3-Dichloropropane	9.00	76	195183	20.816	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	262182	121.768	ug/l	96
59) 2-Hexanone	9.63	43	350974	111.397	ug/l	99
60) Dibromochloromethane	8.87	129	141241	19.869	ug/l	97
61) 1,2-Dibromoethane	9.14	107	116469	19.531	ug/l	100
64) Tetrachloroethene	8.31	164	151651	19.648	ug/l	90
65) Chlorobenzene	9.94	112	387918	19.999	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	149708	19.380	ug/l	98
67) Ethyl Benzene	10.03	91	672782	20.212	ug/l	95
68) m/p-Xylenes	10.26	106	475712	37.348	ug/l	82
69) o-Xylene	10.82	106	244746	18.978	ug/l	97
70) Styrene	10.89	104	370598	19.497	ug/l	97
71) Bromoform	10.88	173	74613	20.134	ug/l #	99
73) Isopropylbenzene	11.22	105	676777	21.085	ug/l	93
74) N-amyl acetate	11.45	43	206909	22.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	141618	20.660	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	89213	19.635	ug/l	85
77) Bromobenzene	11.58	156	155866	19.327	ug/l	82
78) n-propylbenzene	11.67	91	807859	20.845	ug/l	91
79) 2-Chlorotoluene	11.80	91	428122	19.306	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	533289	20.316	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	45017m	23.402	ug/l	
82) 4-Chlorotoluene	11.98	91	444870	20.413	ug/l	97
83) tert-Butylbenzene	12.20	119	548625	21.093	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	518166	20.820	ug/l	94
85) sec-Butylbenzene	12.37	105	725999	21.183	ug/l	99
86) p-Isopropyltoluene	12.52	119	602252	21.111	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	288902	20.312	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	270439	20.374	ug/l	99
89) n-Butylbenzene	12.90	91	621743	21.666	ug/l	91
90) Hexachloroethane	12.98	117	137263	19.728	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	225925	18.072	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16113	21.577	ug/l	96

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	179583	20.921	ug/l	93
94) Hexachlorobutadiene	14.23	225	119715	20.160	ug/l	98
95) Naphthalene	14.50	128	287593	20.451	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	152709	19.490	ug/l	99

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

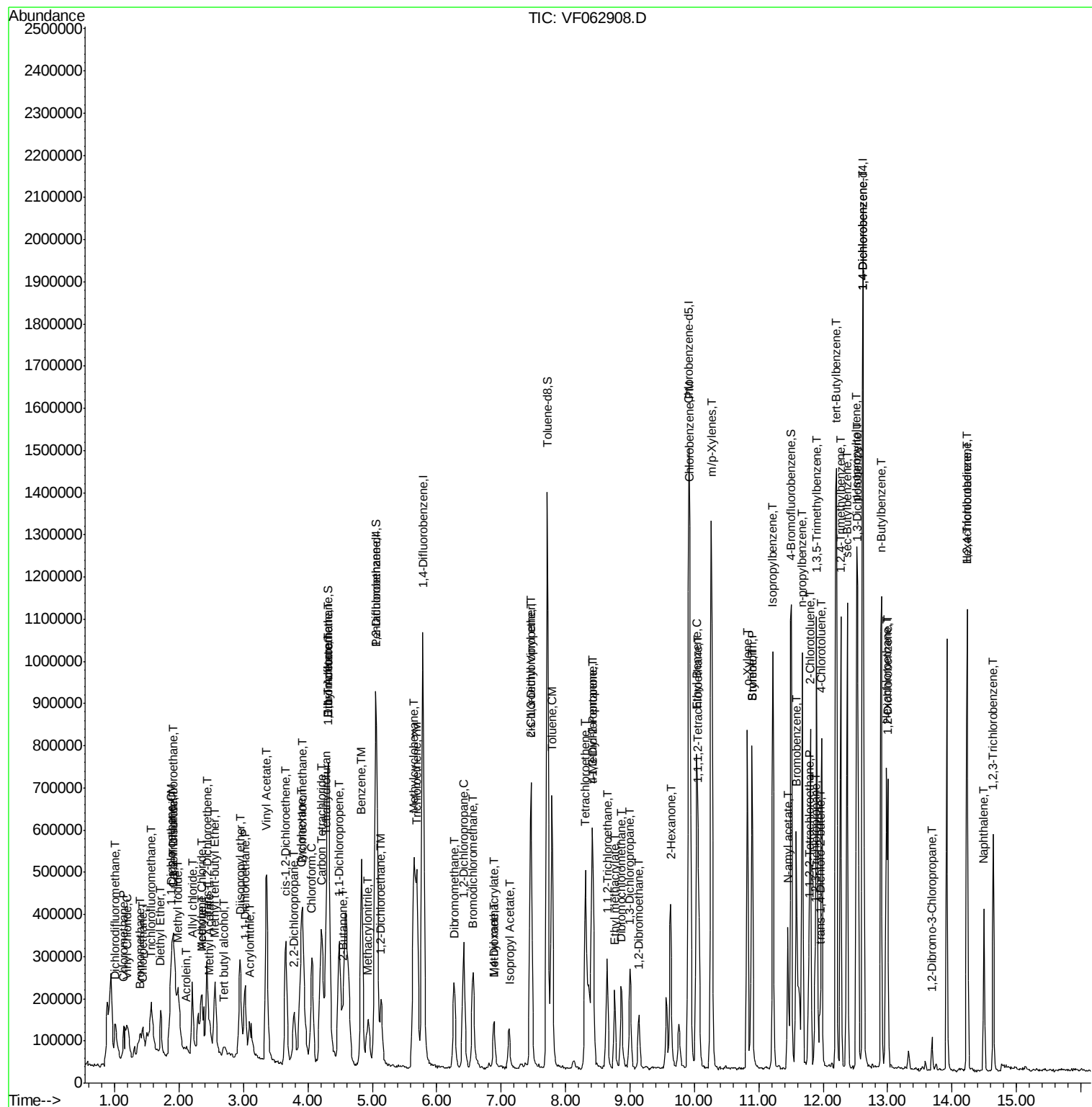
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Data File : VF062908.D
Acq On : 10 Jun 2019 16:05
Operator : FY/SY
Sample : VF0610SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
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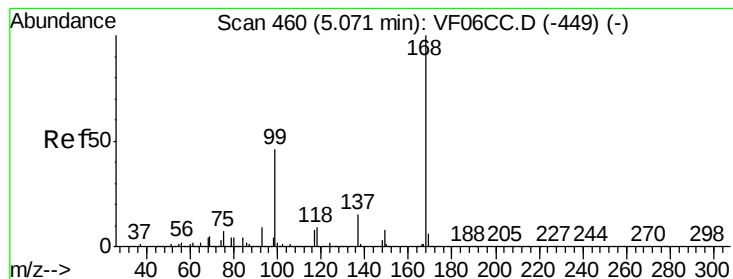
Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:168 Resp: 783970

Ion Ratio Lower Upper

168 100

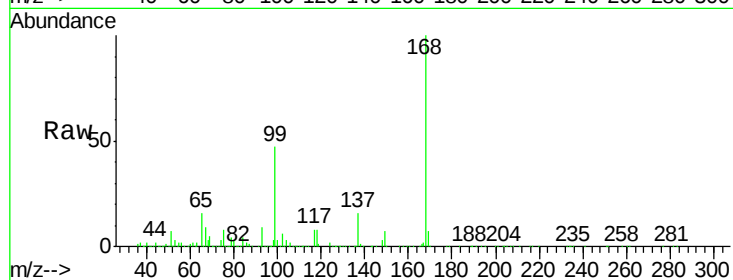
99 46.6 39.1 58.7

Manual Integrations

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6/11/2019 2:54:43 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

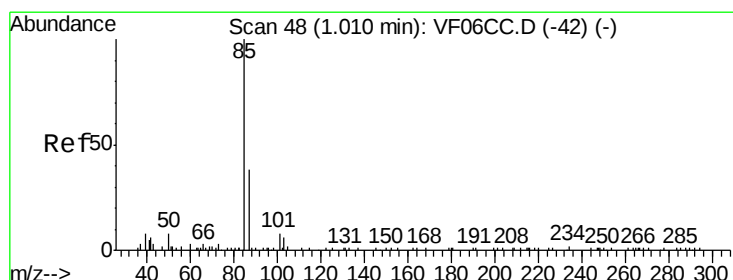
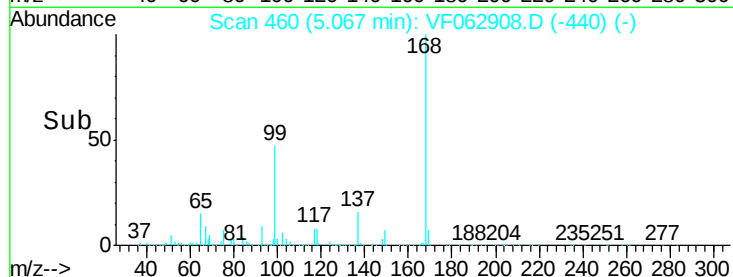
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.551 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062908.D

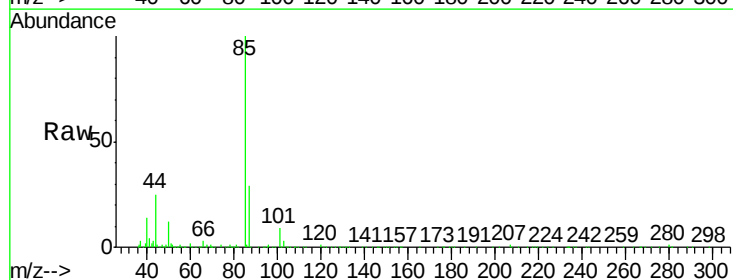
Acq: 10 Jun 2019 16:05

Tgt Ion: 85 Resp: 188584

Ion Ratio Lower Upper

85 100

87 29.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

60000

50000

40000

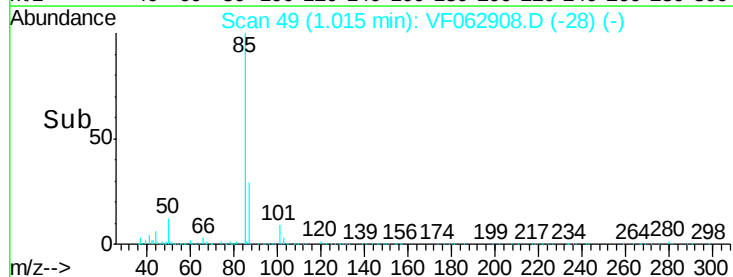
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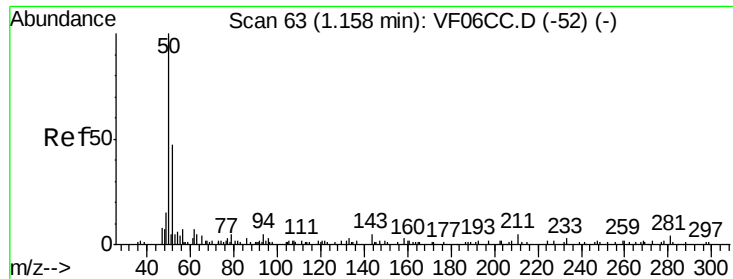
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.318 ug/l m

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion: 50 Resp: 148594

Ion Ratio Lower Upper

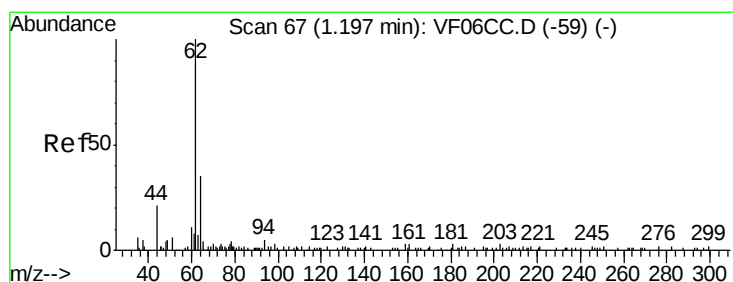
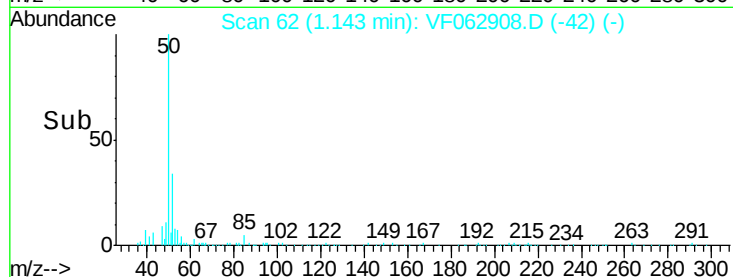
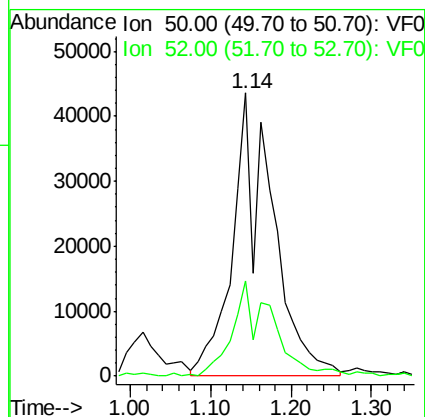
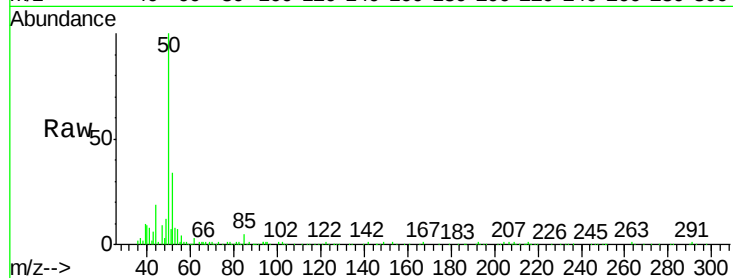
50 100

52 33.8 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.914 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062908.D

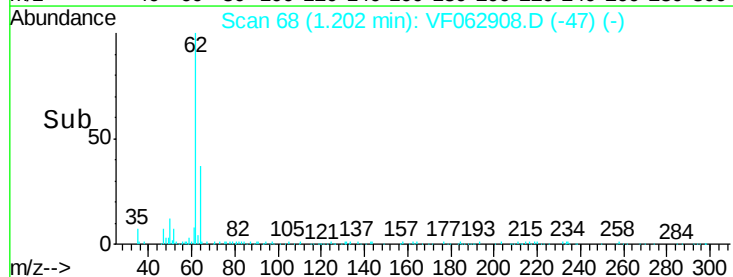
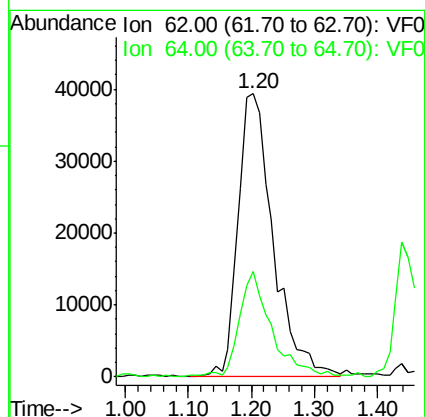
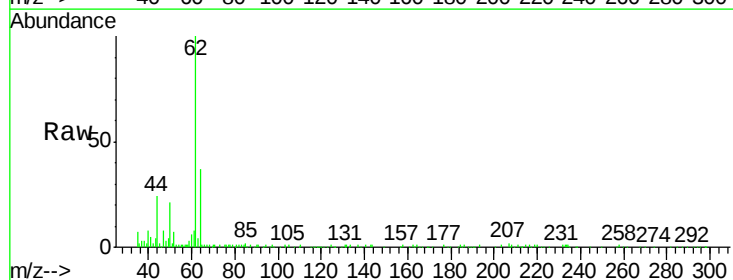
Acq: 10 Jun 2019 16:05

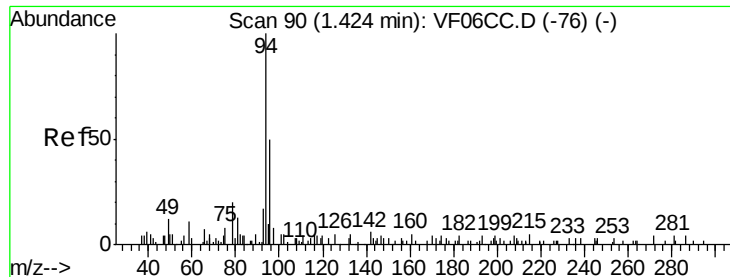
Tgt Ion: 62 Resp: 152468

Ion Ratio Lower Upper

62 100

64 37.2 26.2 39.2





#5

Bromomethane

Concen: 18.126 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 94 Resp: 83326

Ion Ratio Lower Upper

94 100

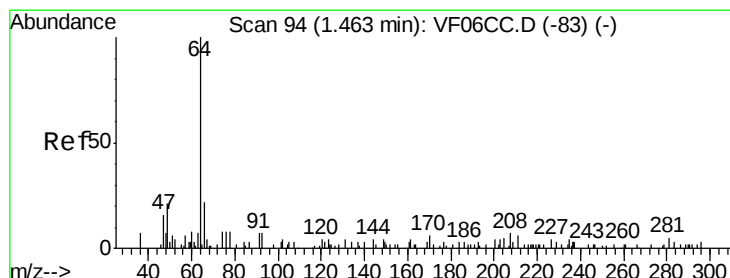
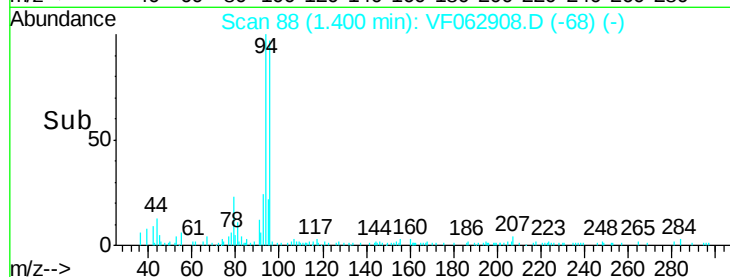
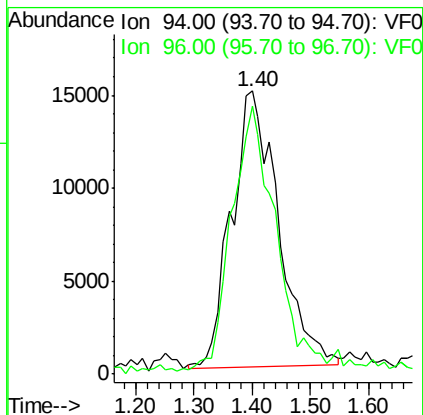
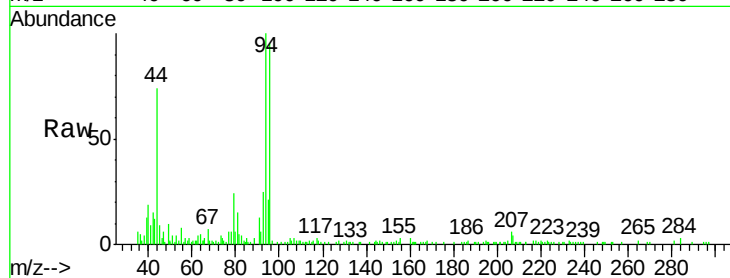
96 94.8 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 17.739 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.03 min

Lab File: VF062908.D

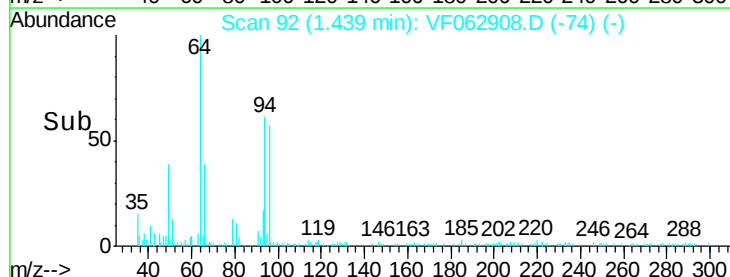
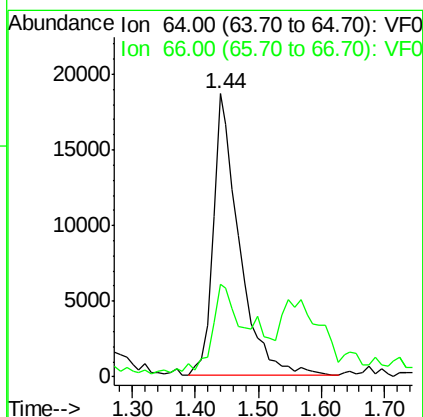
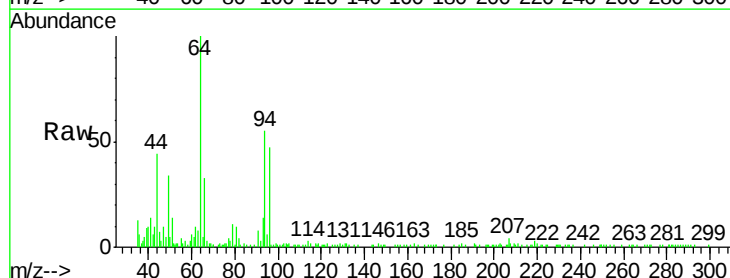
Acq: 10 Jun 2019 16:05

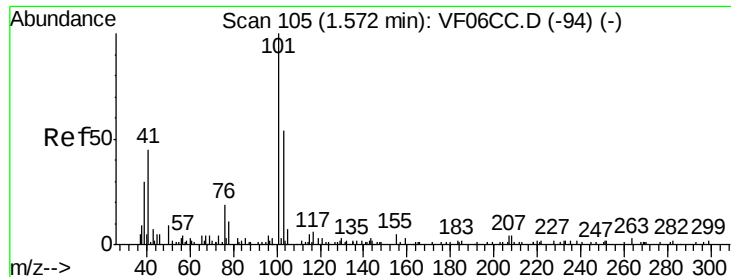
Tgt Ion: 64 Resp: 53464

Ion Ratio Lower Upper

64 100

66 32.5 31.0 46.4





#7

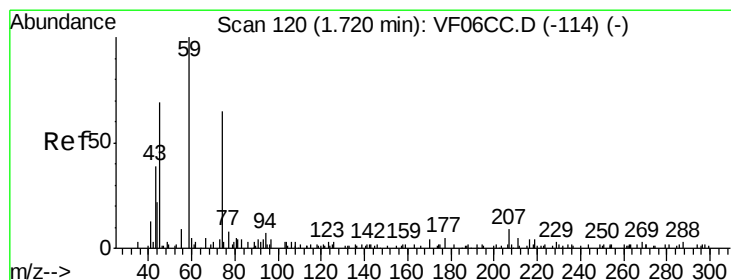
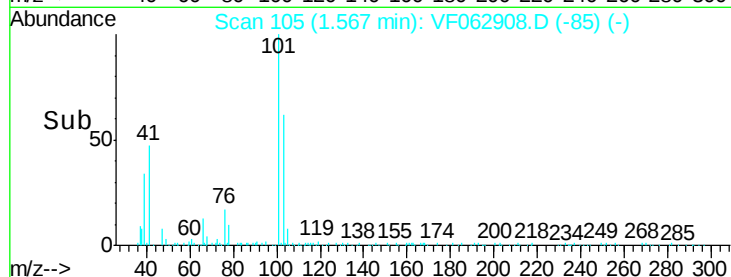
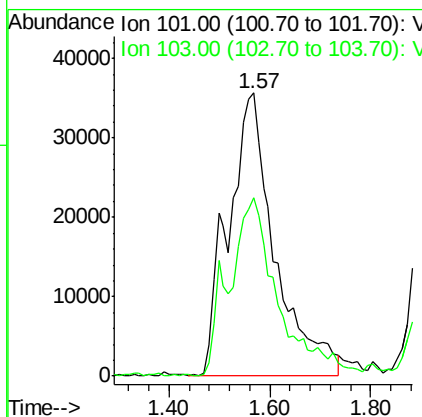
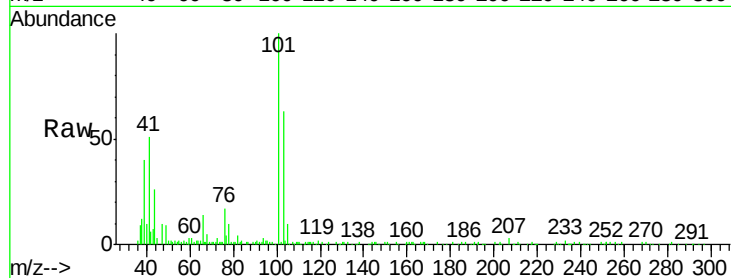
Trichlorofluoromethane
Concen: 20.134 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	54.6	82.0

Manual Integrations
APPROVED

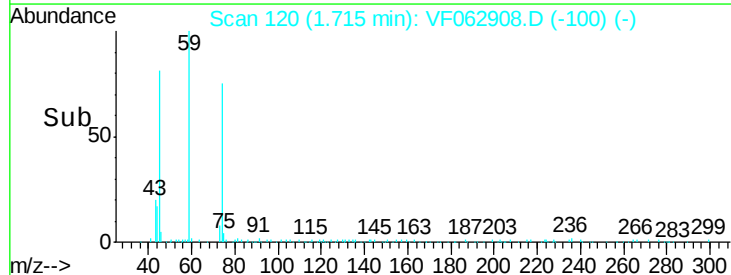
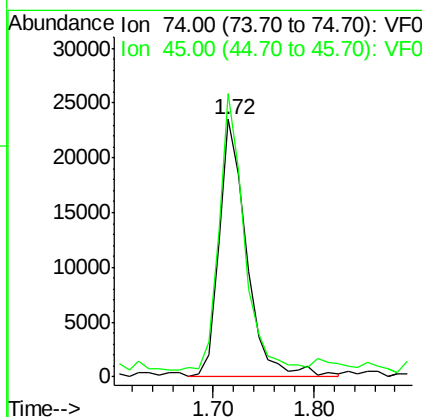
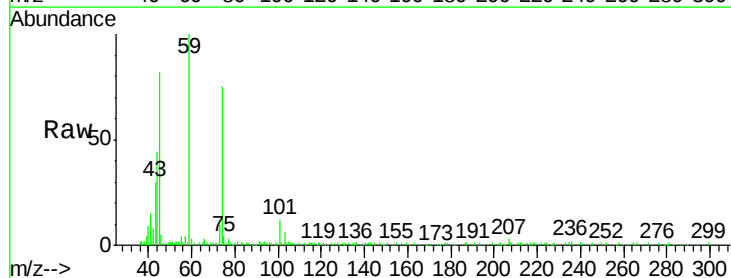
MMDadoda
6/11/2019 2:54:43 PM

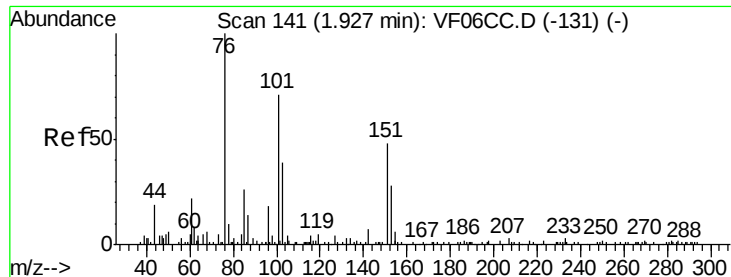


#8

Diethyl Ether
Concen: 19.978 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.803 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.03 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

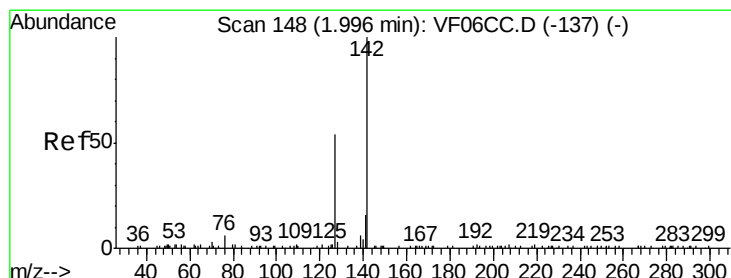
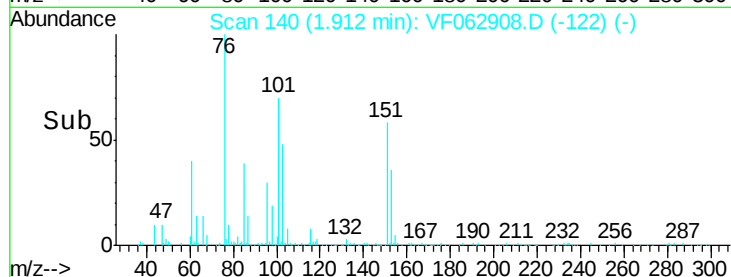
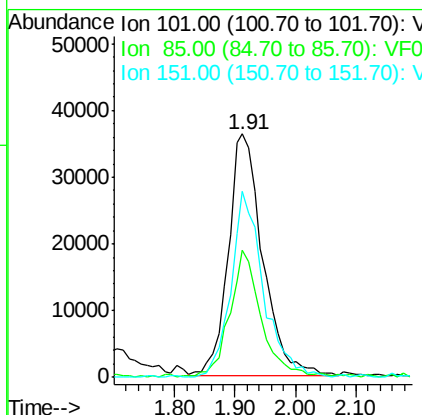
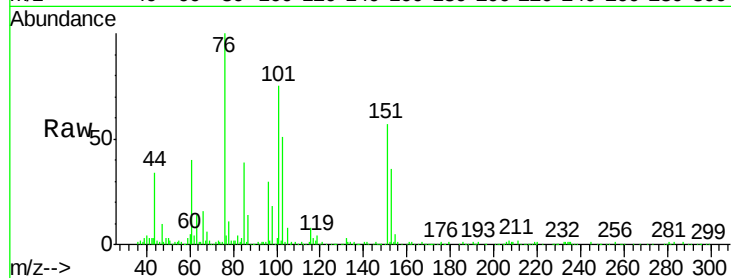
ClientSampleId :

VF0610SBSD01

Tot Ion:	101	Resp:	142079
Ion Ratio	Lower	Upper	
101	100		
85	52.0	37.1	55.7
151	76.4	60.3	90.5

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#10

Methyl Iodide

Concen: 18.086 ug/l

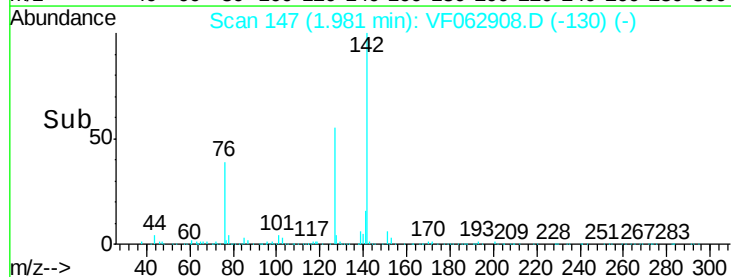
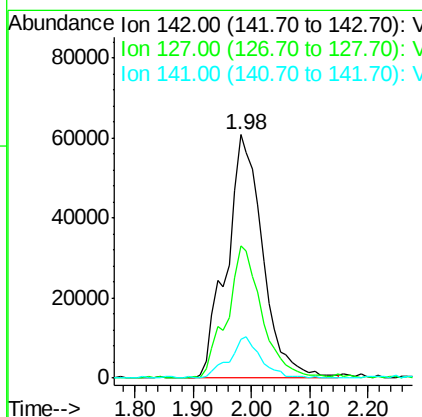
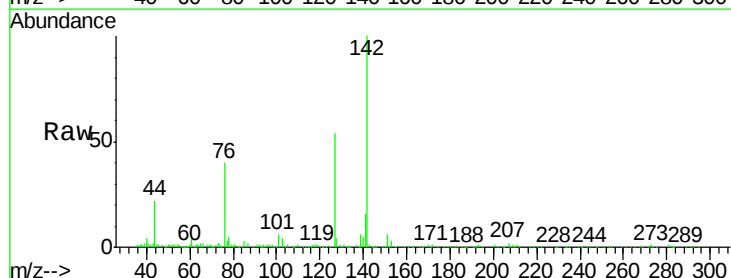
RT: 1.98 min Scan# 147

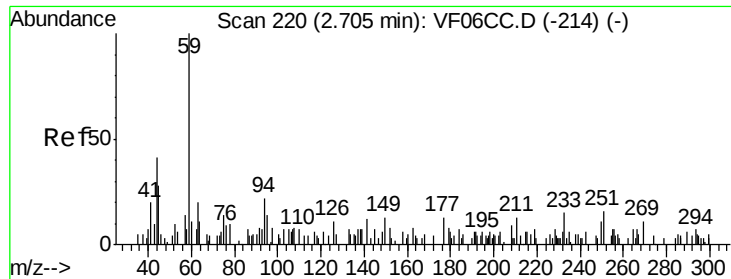
Delta R.T. -0.04 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	142	Resp:	260176
Ion Ratio	Lower	Upper	
142	100		
127	54.3	39.4	59.2
141	16.0	10.6	15.8#





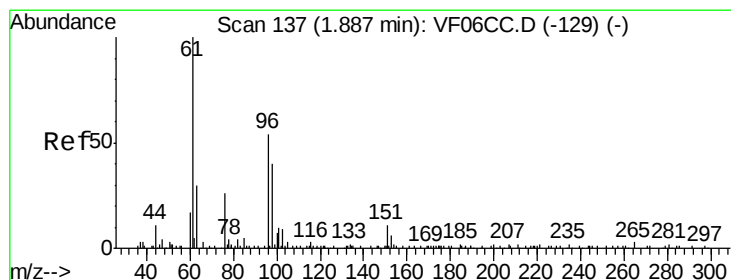
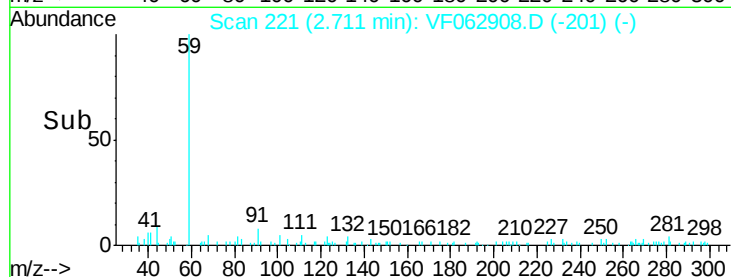
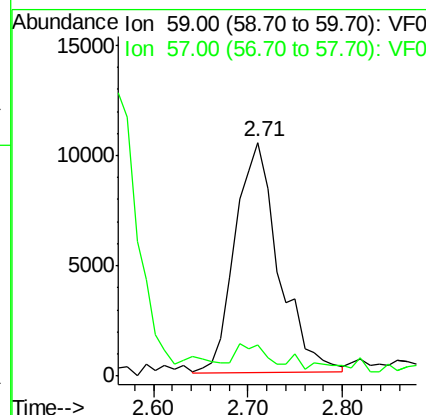
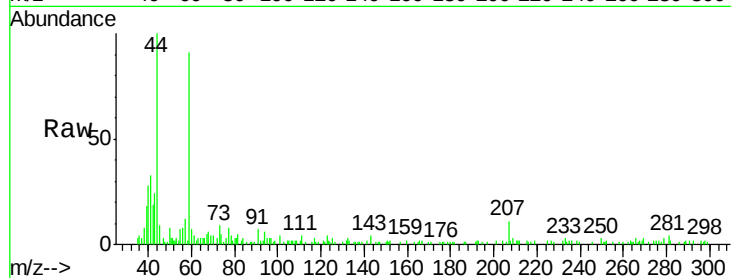
#11
Tert butyl alcohol
Concen: 101.726 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	9.2	13.8

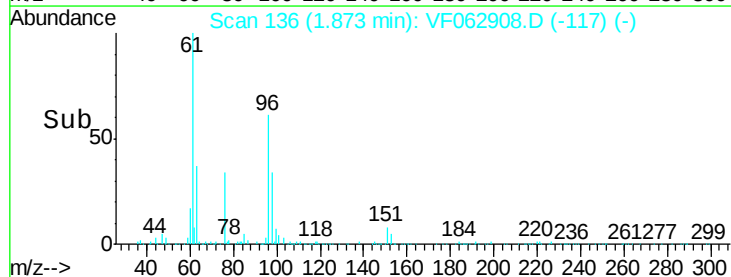
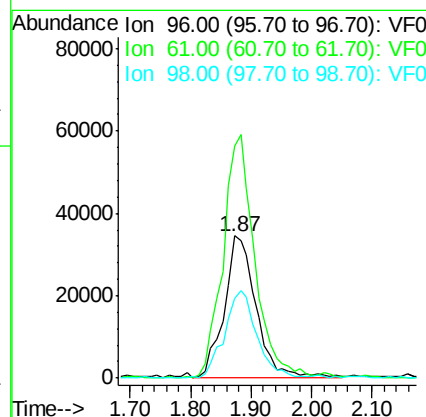
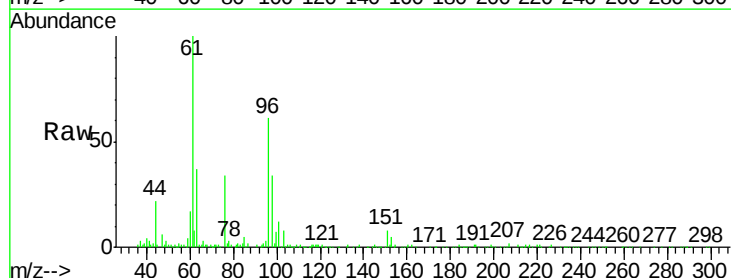
Manual Integrations
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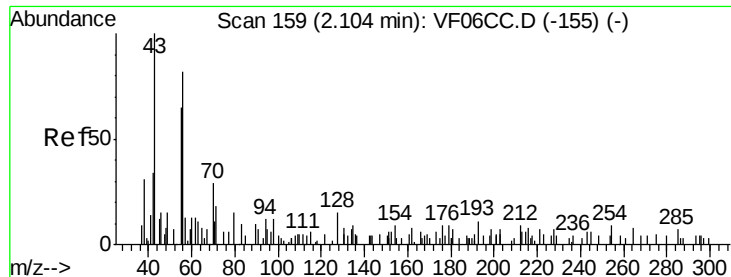
MMDadoda
6/11/2019 2:54:43 PM



#12
1,1-Dichloroethene
Concen: 19.114 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.8	139.4	209.2
98	56.0	50.3	75.5





#13

Acrolein

Concen: 95.943 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 56 Resp: 13249

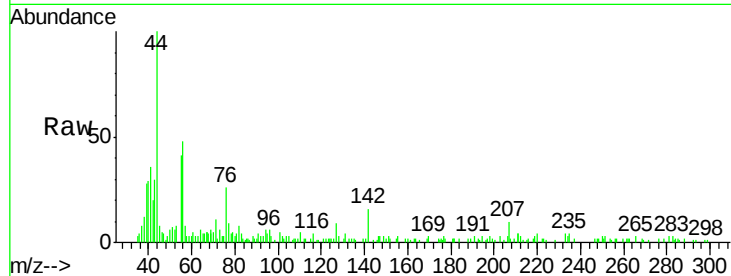
Ion Ratio Lower Upper

56 100

55 85.8 52.9 79.3#

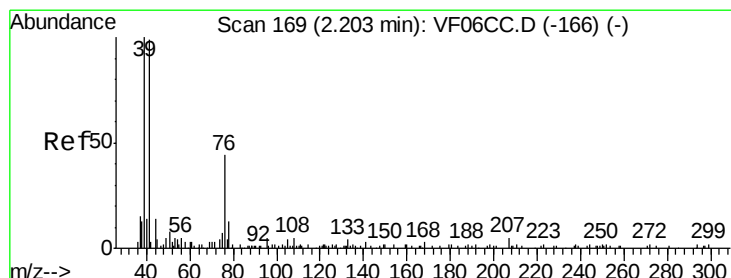
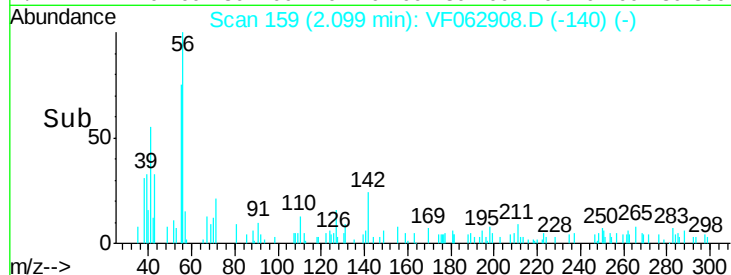
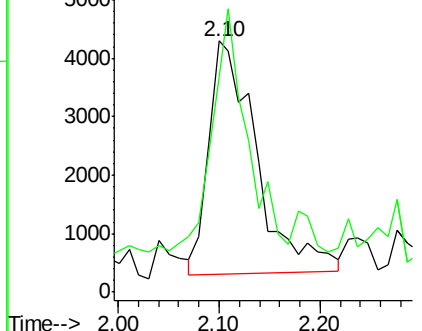
Manual Integrations
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6/11/2019 2:54:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.144 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

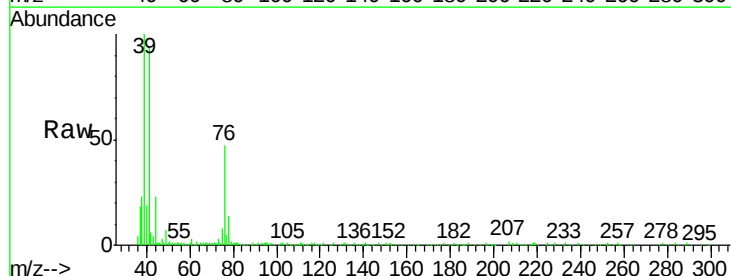
Tgt Ion: 41 Resp: 111919

Ion Ratio Lower Upper

41 100

39 106.0 71.9 107.9

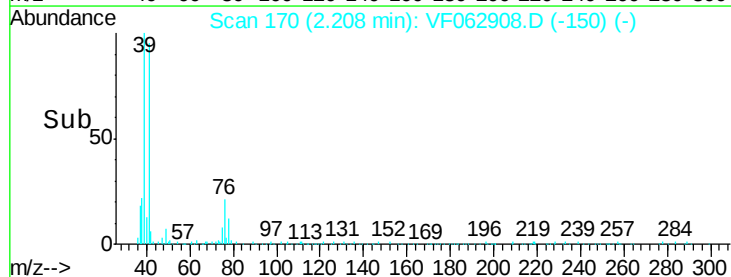
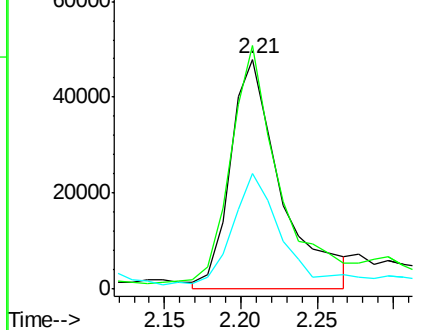
76 50.1 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





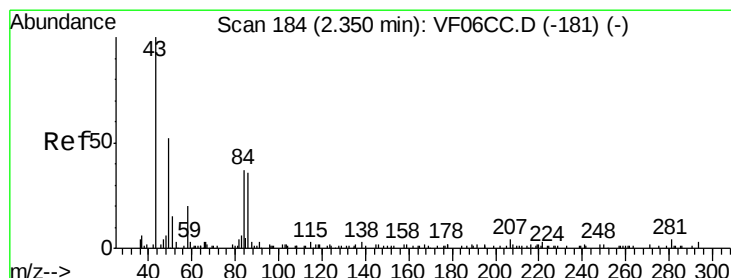
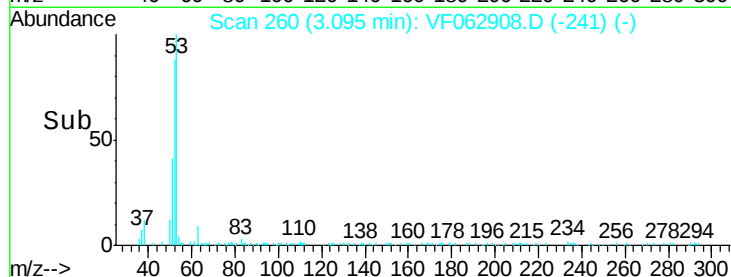
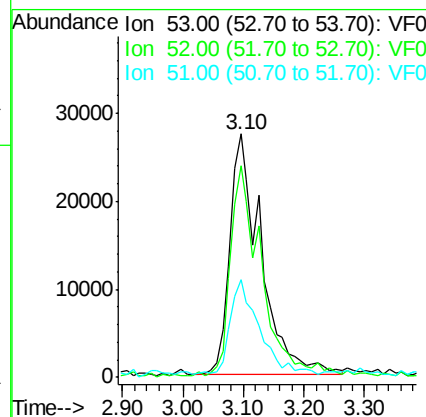
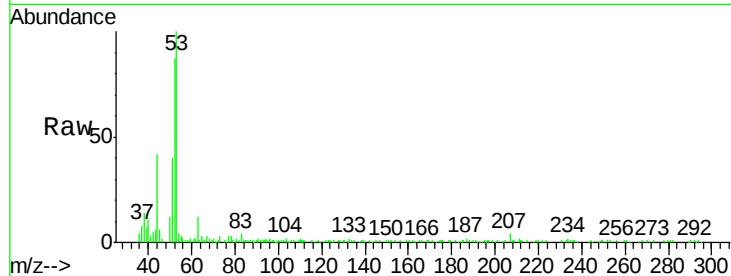
#15
Acrylonitrile
Concen: 79.974 ug/l
RT: 3.10 min Scan# 260
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.0	68.1	102.1
51	40.1	27.7	41.5

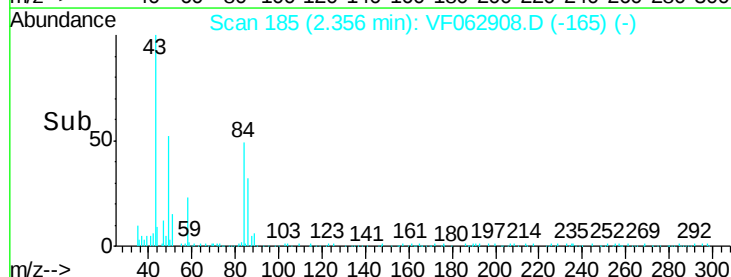
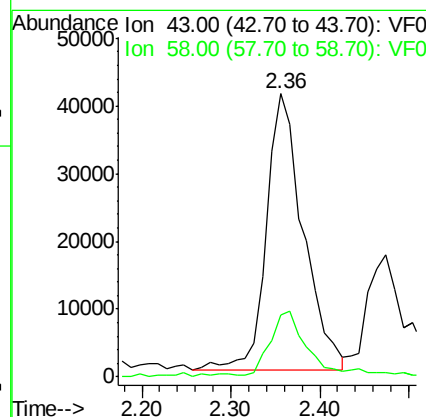
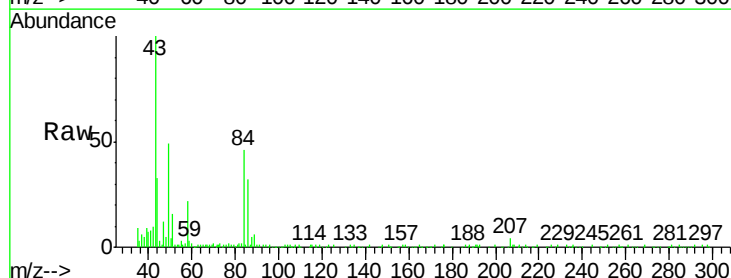
Manual Integrations
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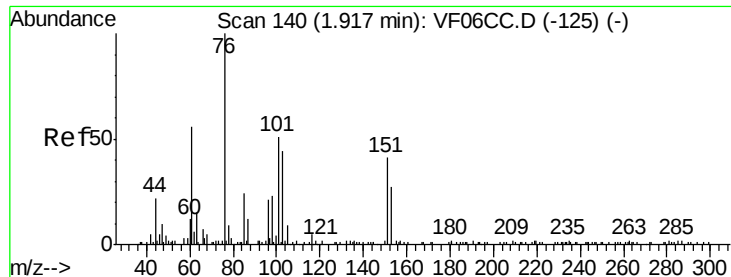
MMDadoda
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#16
Acetone
Concen: 93.746 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.9	19.0	28.4





#17

Carbon Disulfide

Concen: 18.270 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 76 Resp: 347886

Ion Ratio Lower Upper

76 100

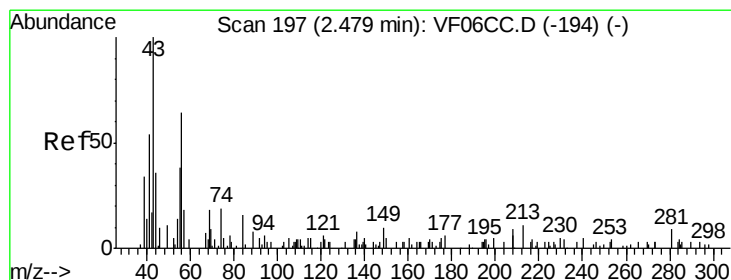
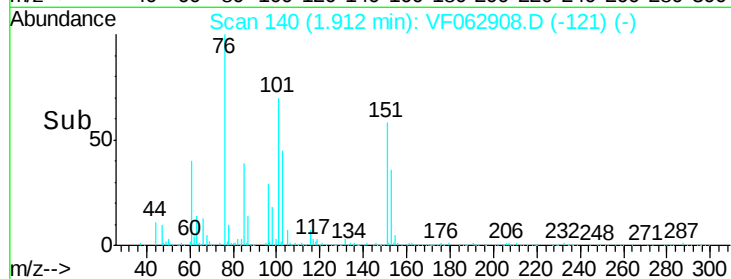
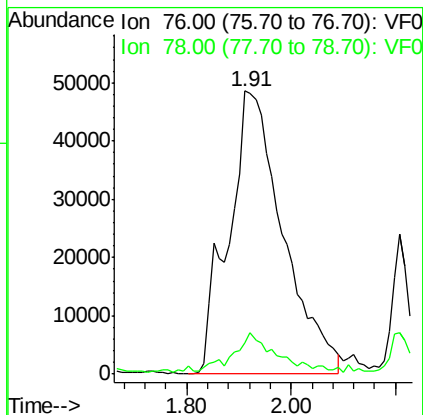
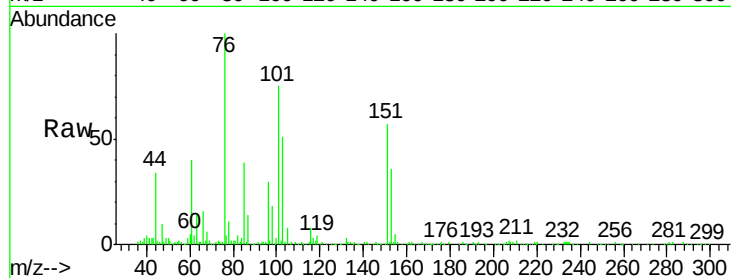
78 10.9 9.4 14.2

Manual Integrations

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#18

Methyl Acetate

Concen: 19.890 ug/l

RT: 2.47 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062908.D

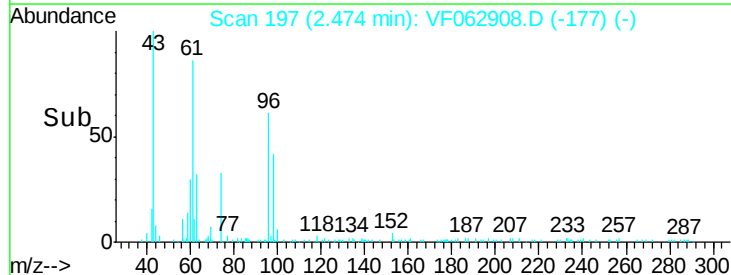
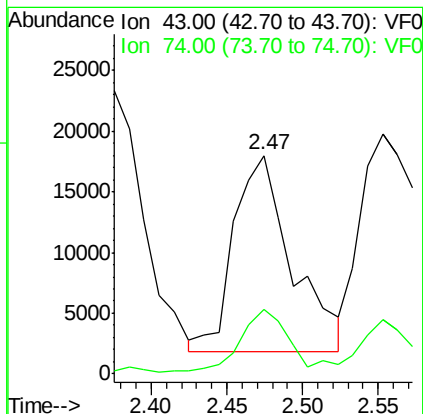
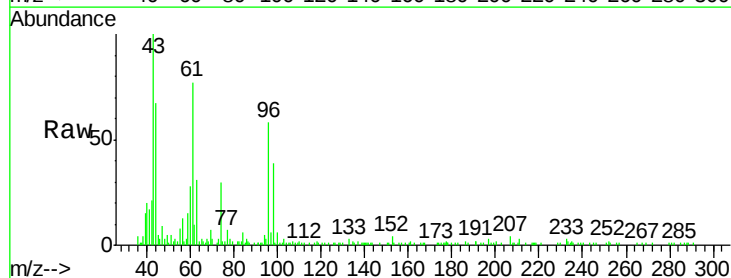
Acq: 10 Jun 2019 16:05

Tgt Ion: 43 Resp: 43126

Ion Ratio Lower Upper

43 100

74 29.8 22.1 33.1





#19

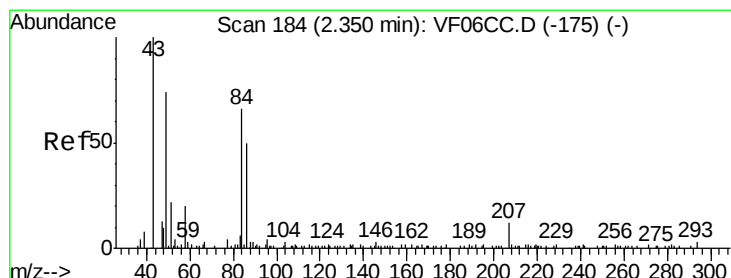
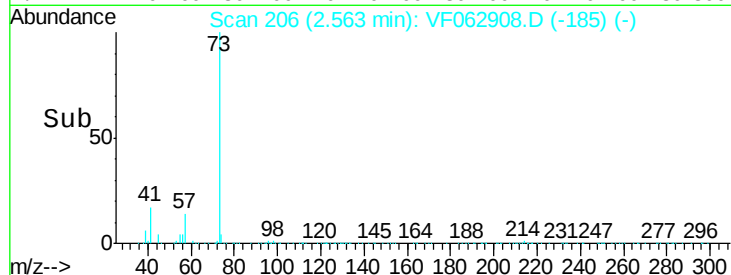
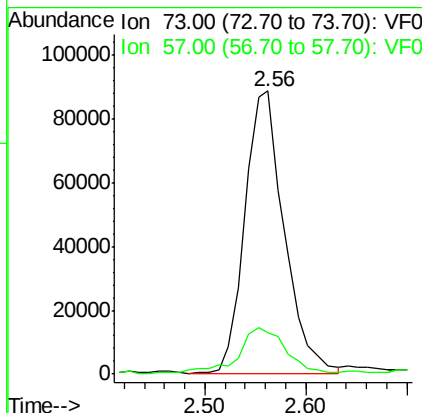
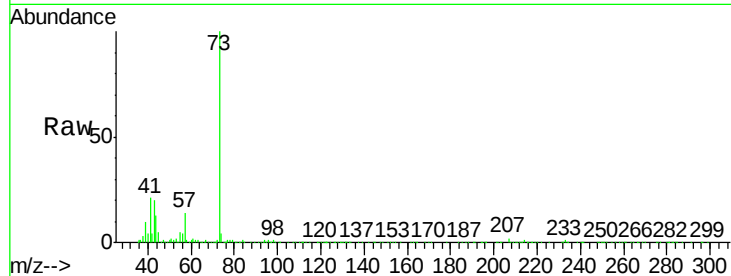
Methyl tert-butyl Ether
 Concen: 20.298 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	14.5	15.1	22.7#

Manual Integrations
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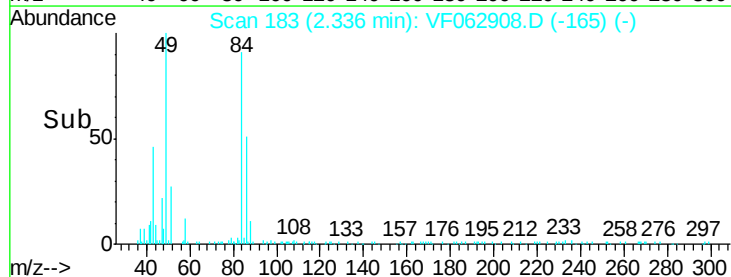
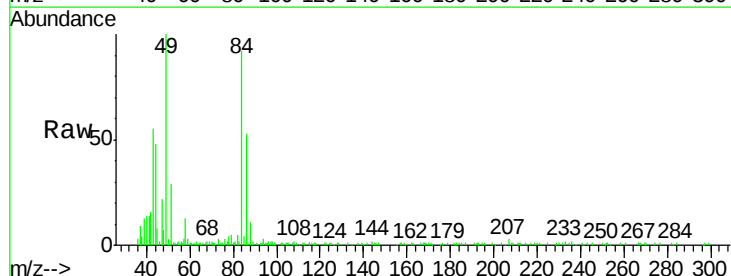
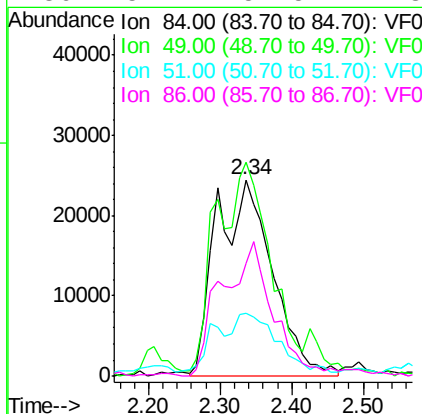
MMDadoda
 6/11/2019 2:54:43 PM

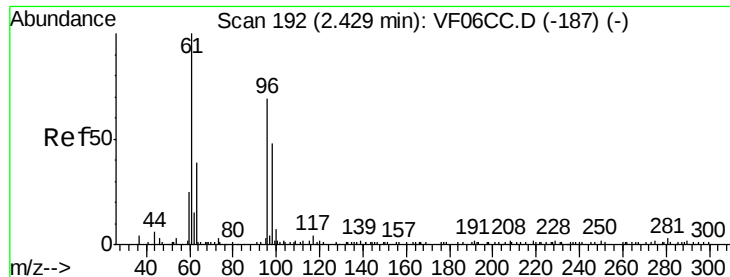


#20

Methylene Chloride
 Concen: 19.536 ug/l m
 RT: 2.34 min Scan# 183
 Delta R.T. -0.03 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.9	82.6	123.8
51	31.9	25.0	37.4
86	57.7	51.5	77.3





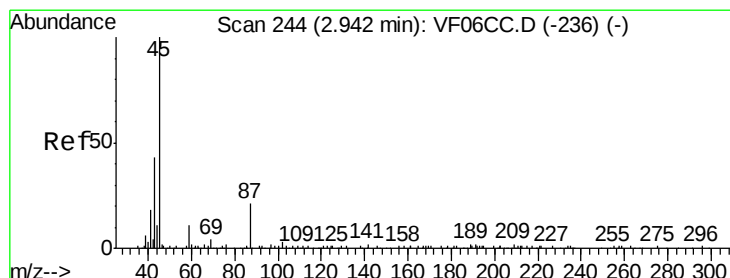
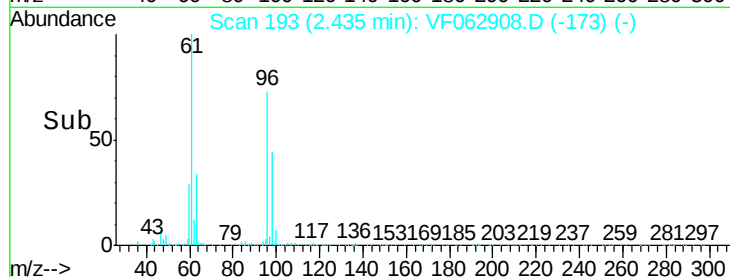
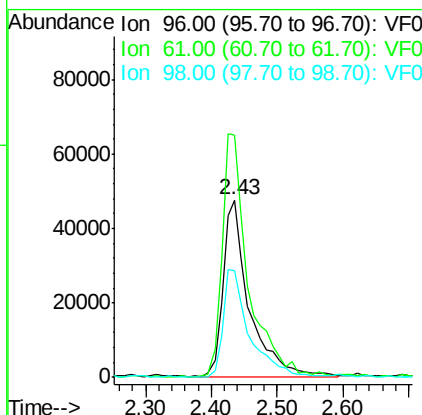
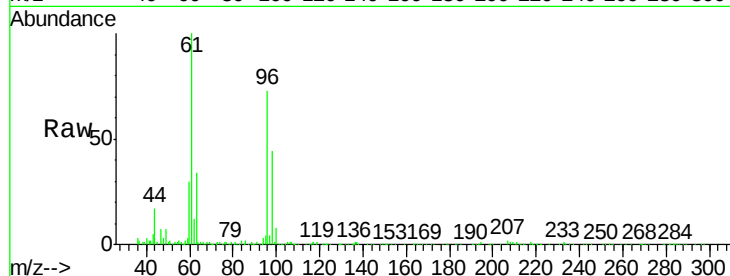
#21
trans-1,2-Dichloroethene
Concen: 20.195 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	105.0	157.6
98	60.3	51.1	76.7

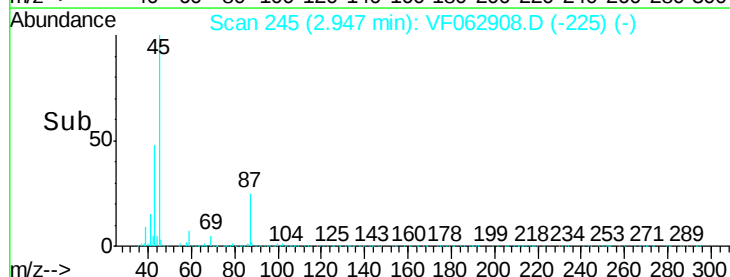
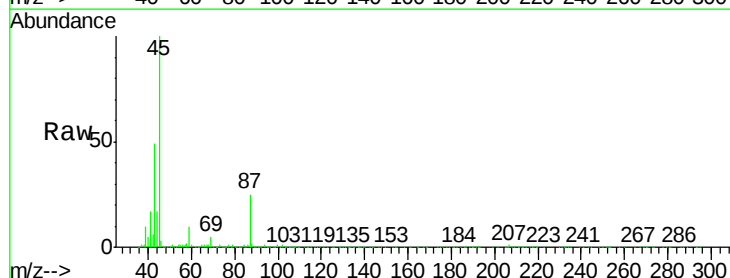
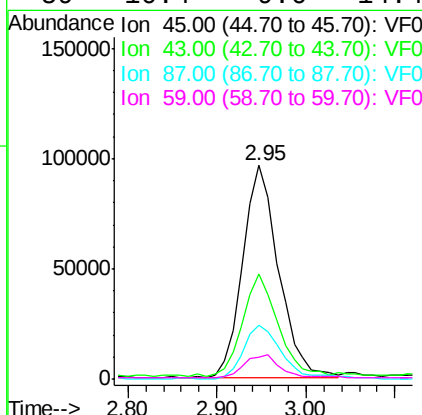
Manual Integrations
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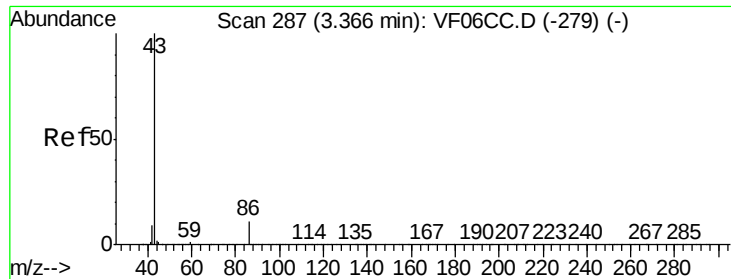
MMDadoda
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#22
Diisopropyl ether
Concen: 18.855 ug/l
RT: 2.95 min Scan# 245
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.9	34.3	51.5
87	24.9	19.0	28.4
59	10.4	9.6	14.4





#23

Vinyl Acetate

Concen: 100.803 ug/l

RT: 3.36 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

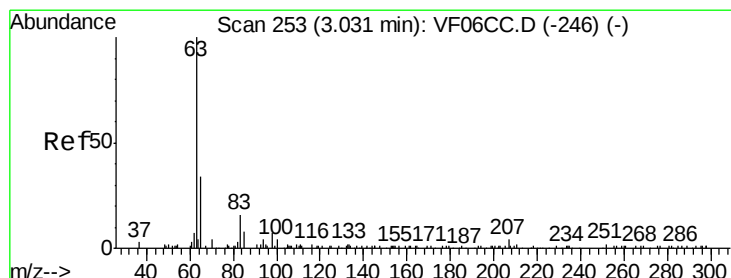
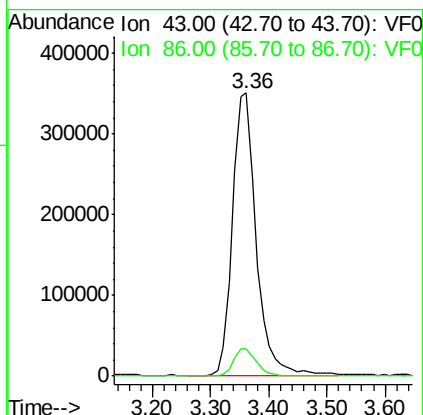
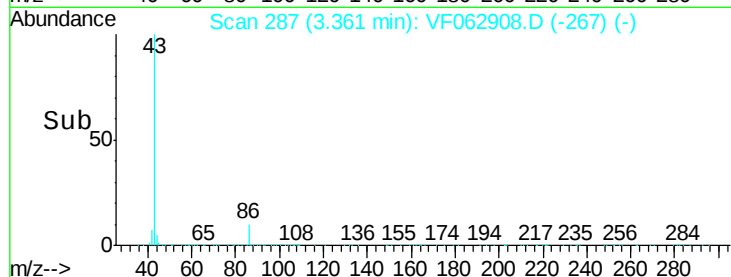
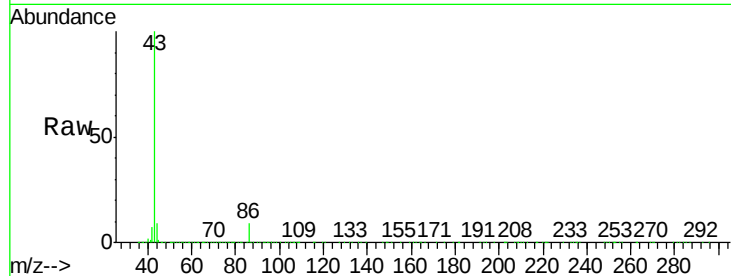
ClientSampleId :

VF0610SBSD01

Tot Ion:	43	Resp:	990947
Ion Ratio		Lower	Upper
43	100		
86	9.5	8.2	12.2

Manual Integrations
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MMDadoda
6/11/2019 2:54:43 PM



#24

1,1-Dichloroethane

Concen: 20.159 ug/l

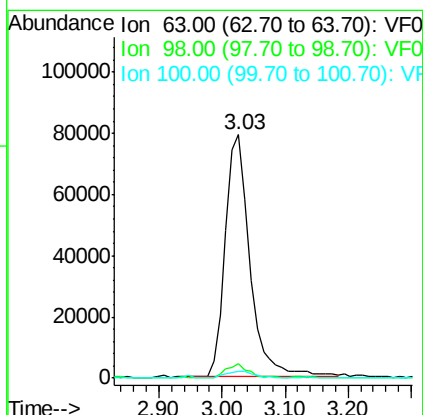
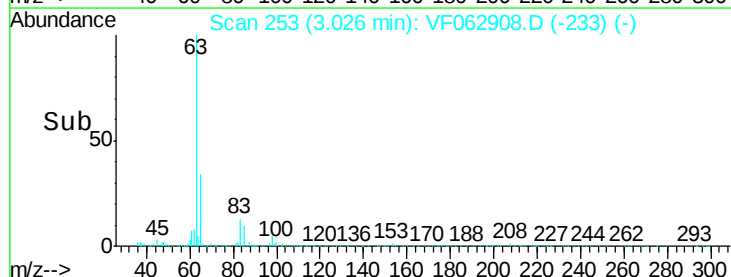
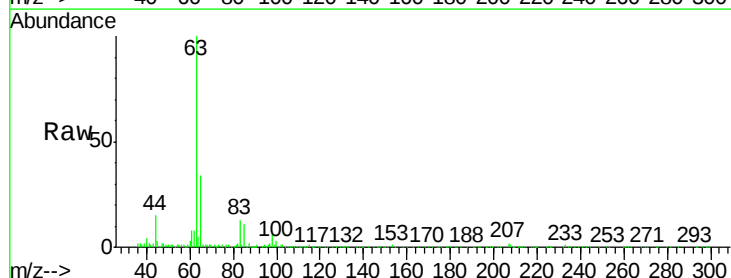
RT: 3.03 min Scan# 253

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	63	Resp:	216129
Ion Ratio		Lower	Upper
63	100		
98	5.8	2.4	7.1
100	2.6	1.5	4.5





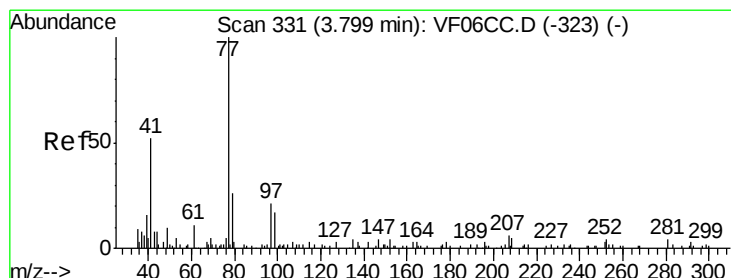
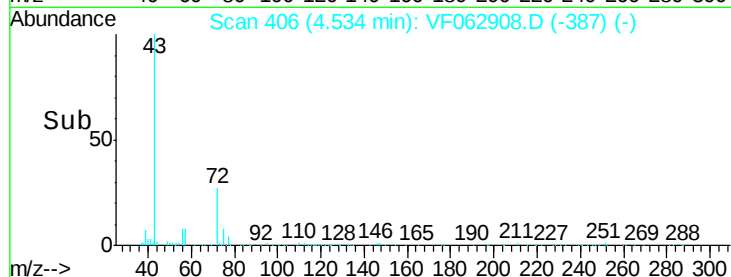
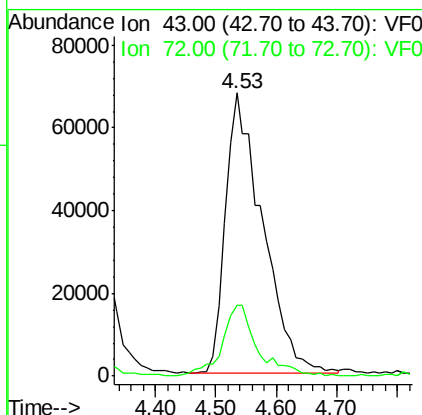
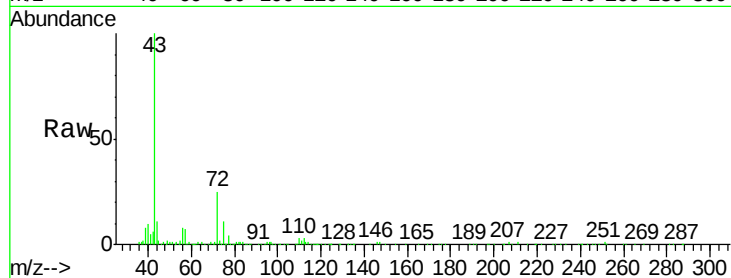
#25
2-Butanone
Concen: 98.981 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.9	21.4	32.0

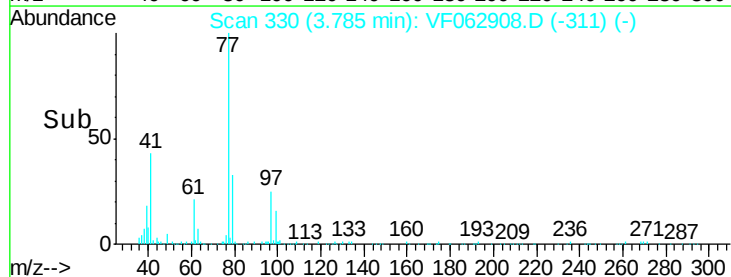
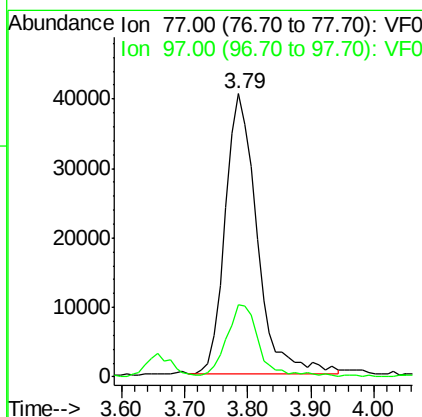
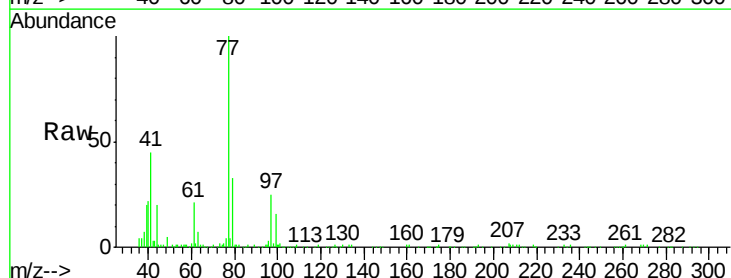
Manual Integrations
APPROVED

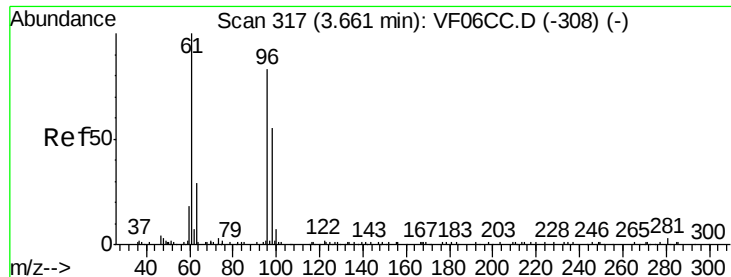
MMDadoda
6/11/2019 2:54:43 PM



#26
2,2-Dichloropropane
Concen: 23.257 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.3	12.4	37.4





#27

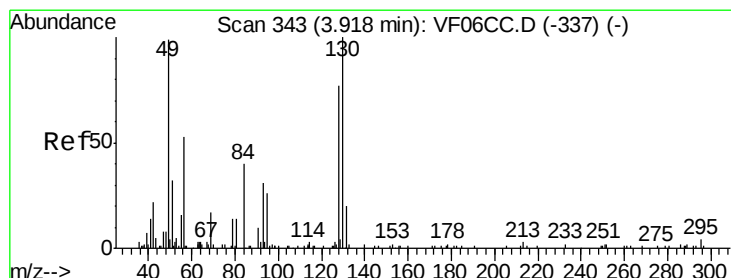
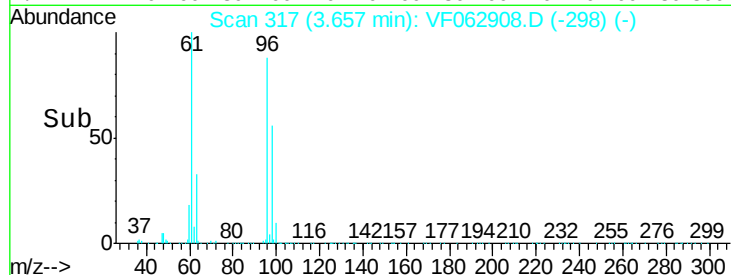
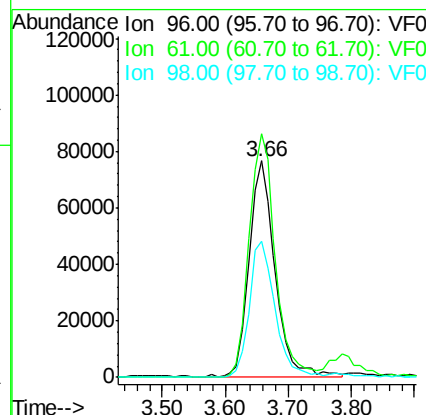
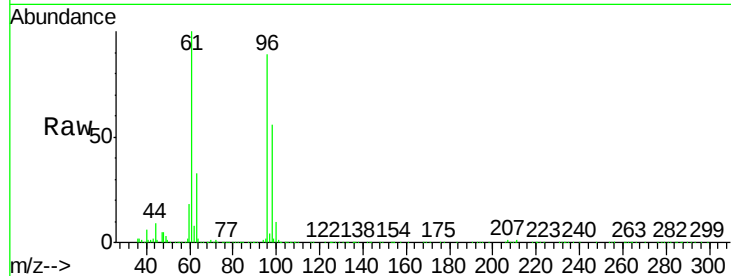
cis-1,2-Dichloroethene
Concen: 19.753 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	216887		
61	112.5	0.0	213.8	
98	62.7	0.0	127.0	

Manual Integrations
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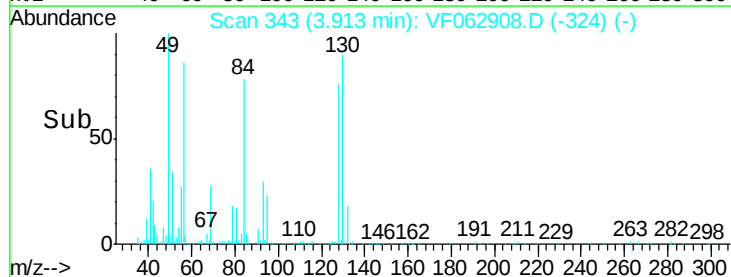
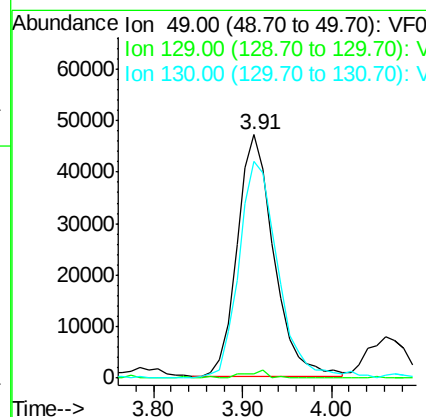
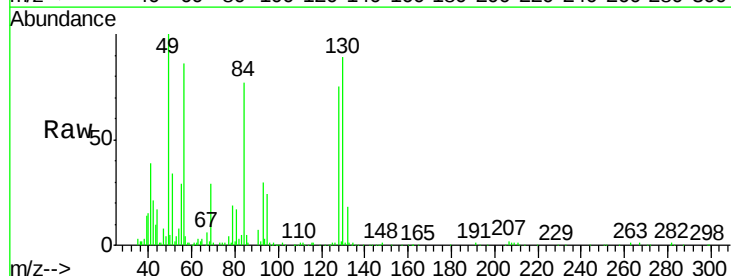
MMDadoda
6/11/2019 2:54:43 PM

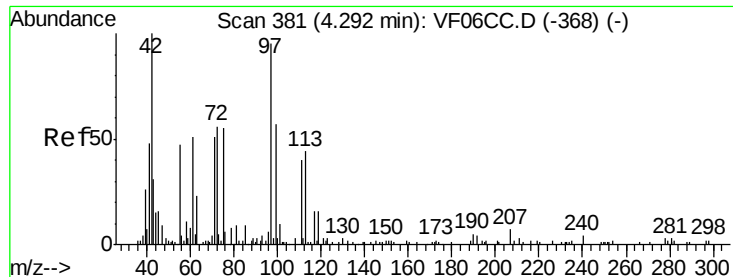


#28

Bromochloromethane
Concen: 23.054 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134448		
129	1.8	0.0	5.4	
130	89.3	79.2	118.8	





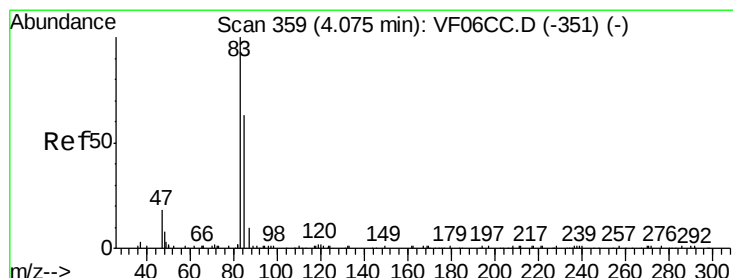
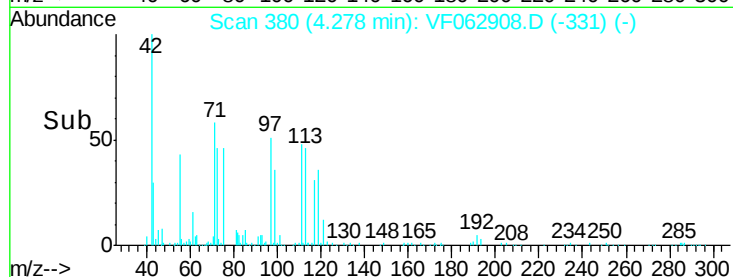
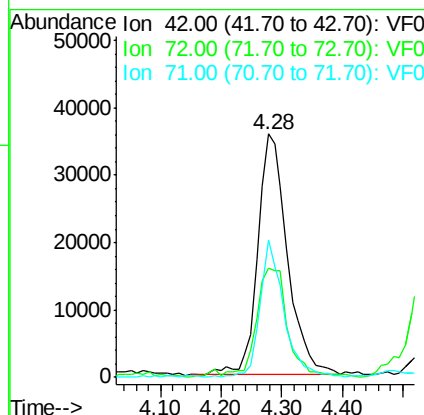
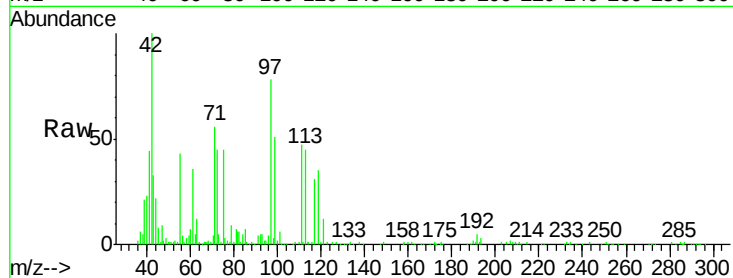
#29
Tetrahydrofuran
Concen: 110.390 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	39.0	58.6
71	46.2	36.9	55.3

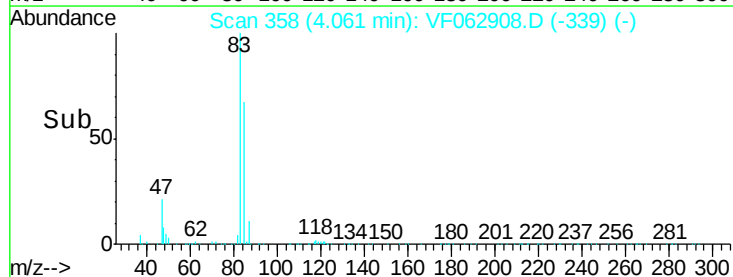
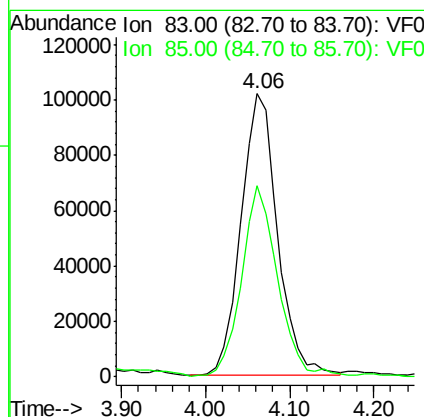
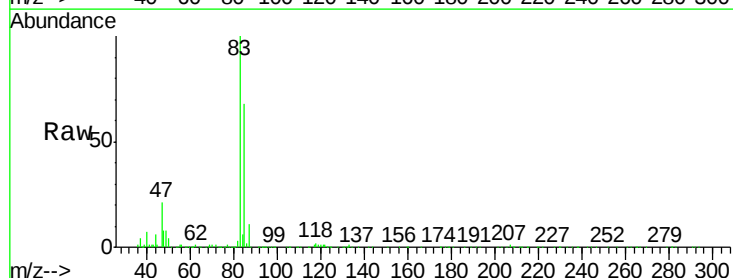
Manual Integrations
APPROVED

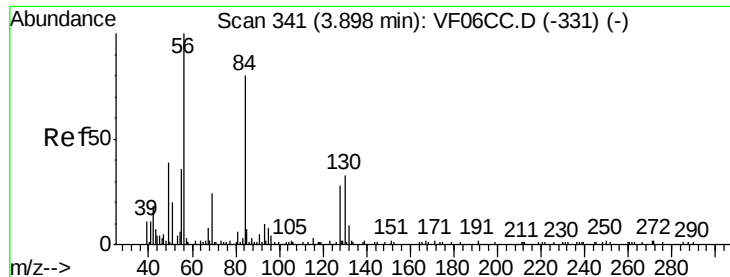
MMDadoda
6/11/2019 2:54:43 PM



#30
Chloroform
Concen: 20.463 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	55.0	82.6





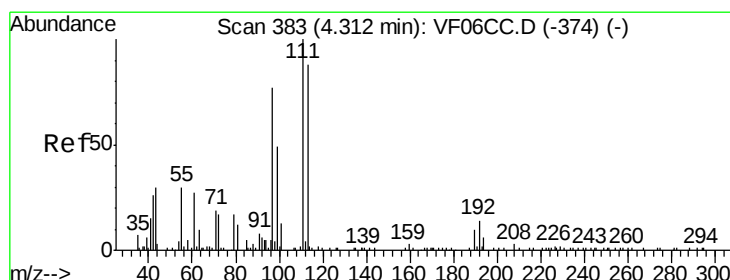
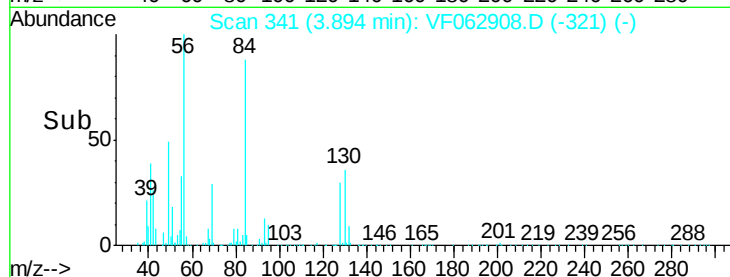
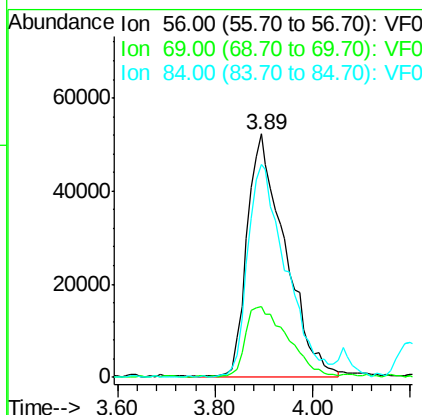
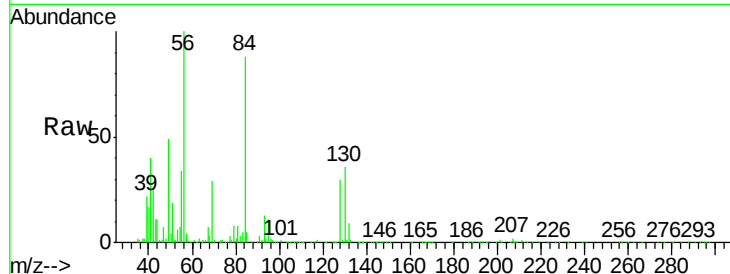
#31
Cyclohexane
Concen: 19.351 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.7	40.1
84	87.6	74.3	111.5

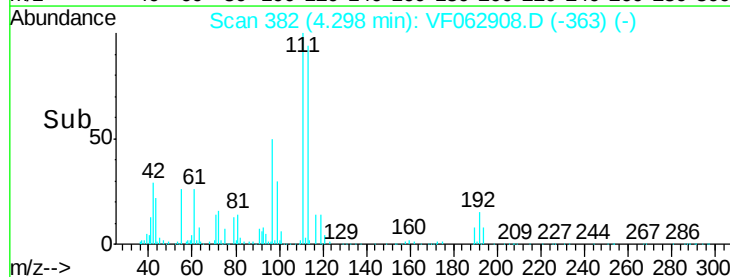
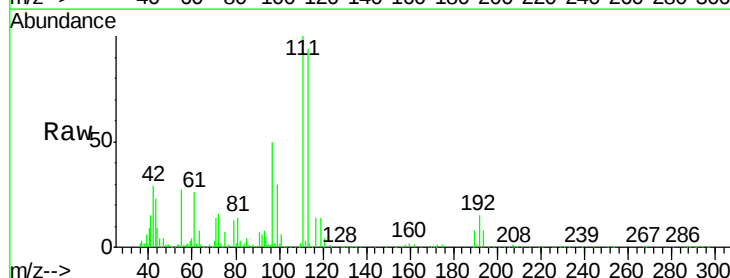
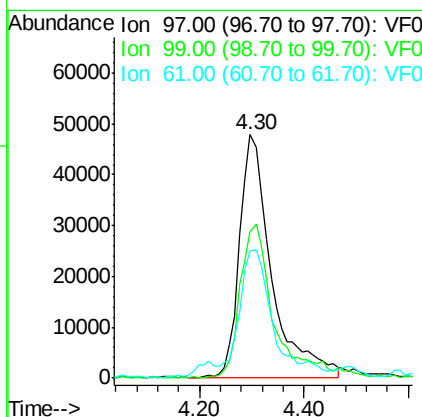
Manual Integrations
APPROVED

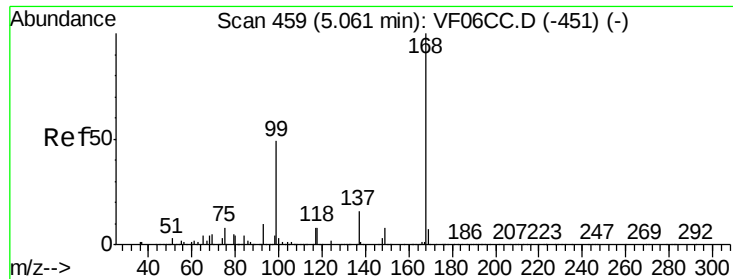
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.860 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.3	51.7	77.5
61	52.0	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 47.518 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 65 Resp: 257603

Ion Ratio Lower Upper

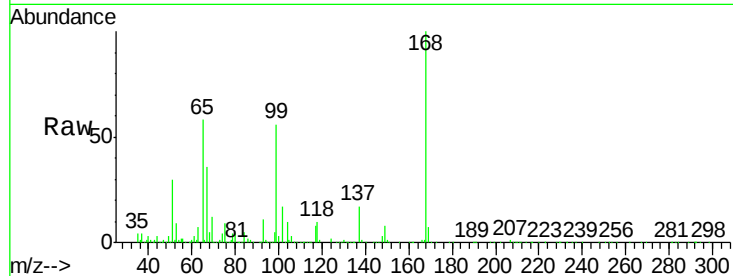
65 100

67 62.0 0.0 121.2

Manual Integrations
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

100000

80000

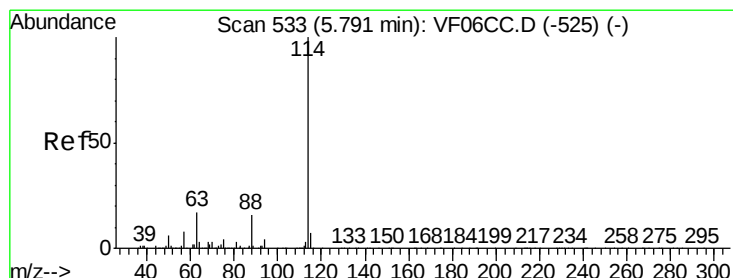
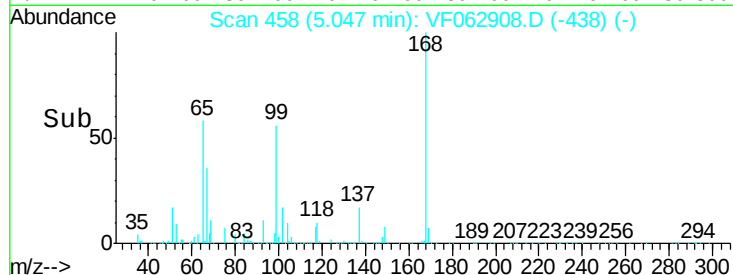
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

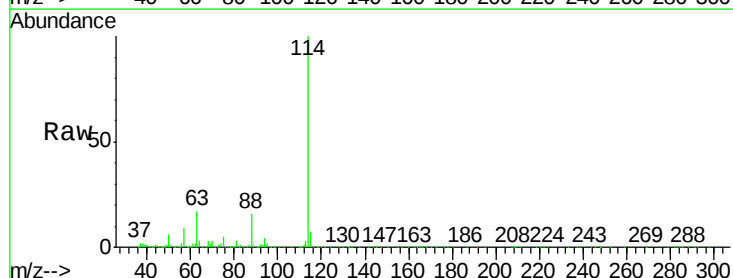
Tgt Ion: 114 Resp: 1331842

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 15.9 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

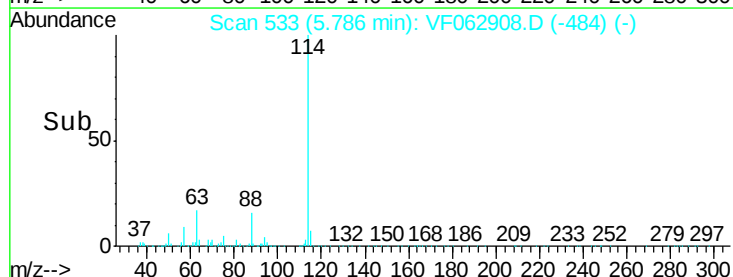
600000

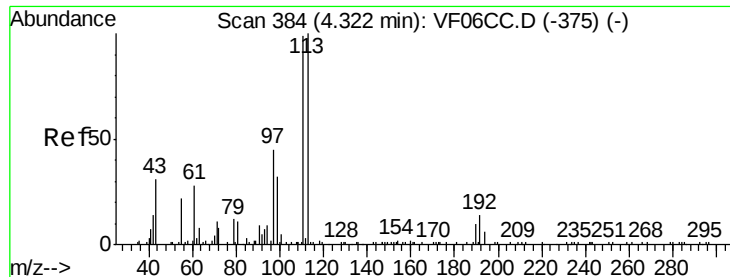
400000

200000

0

Time-->





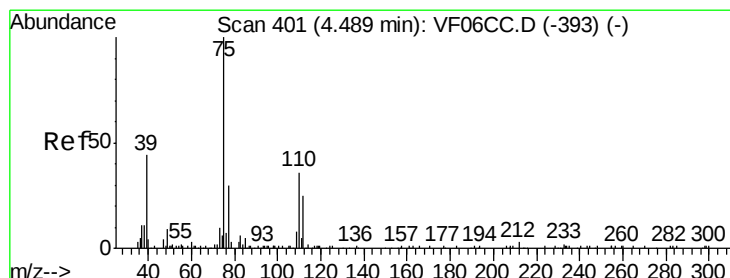
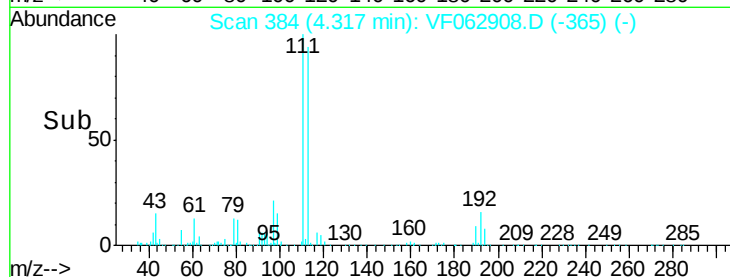
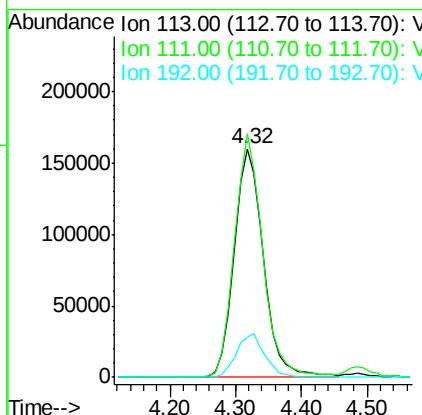
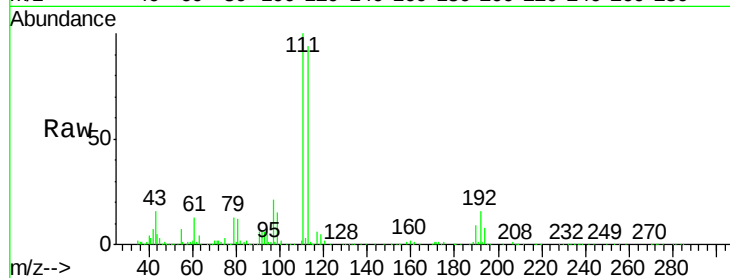
#35
 Dibromofluoromethane
 Concen: 49.673 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.4	81.9	122.9
192	17.5	15.1	22.7

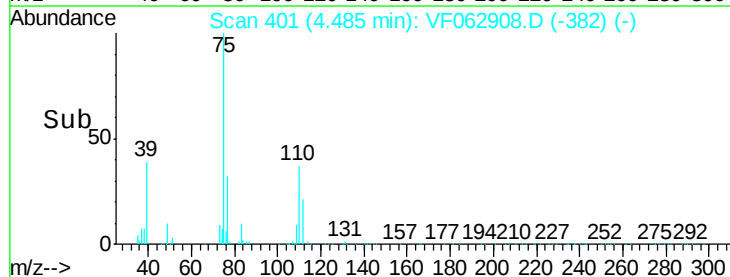
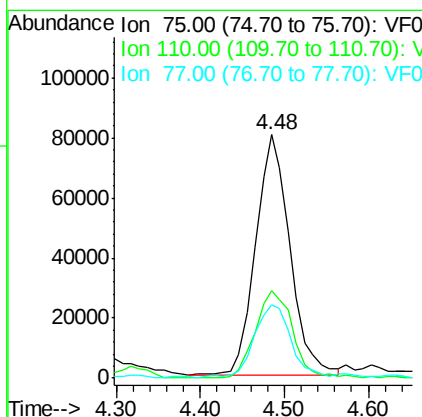
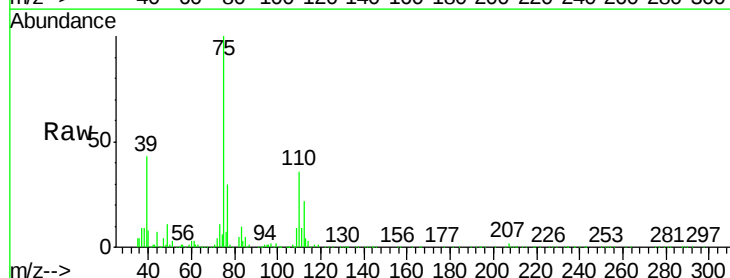
Manual Integrations
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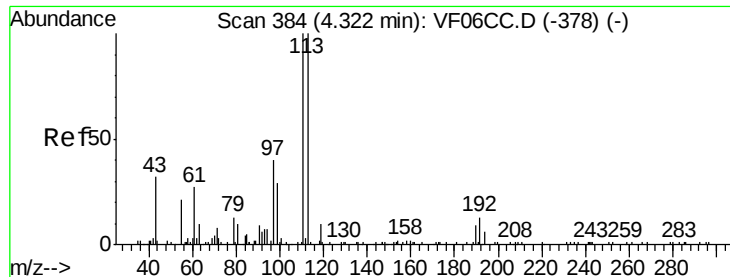
MMDadoda
 6/11/2019 2:54:43 PM



#36
 1,1-Dichloropropene
 Concen: 18.825 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	19.4	58.1
77	30.3	25.4	38.2





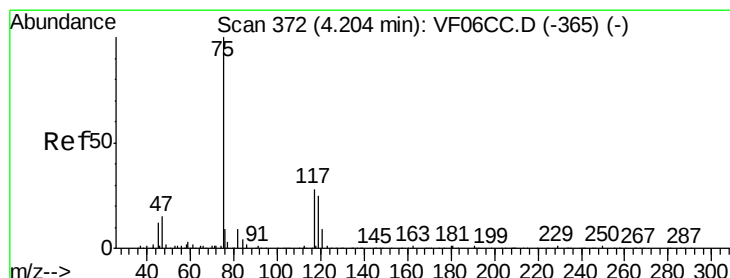
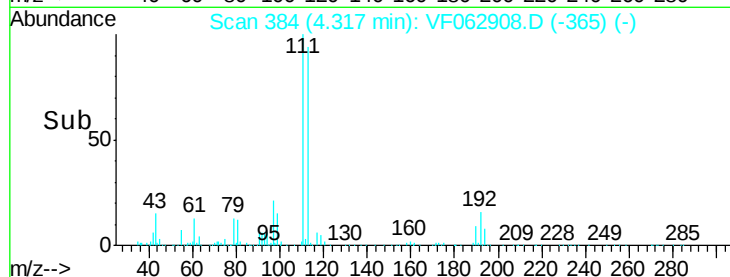
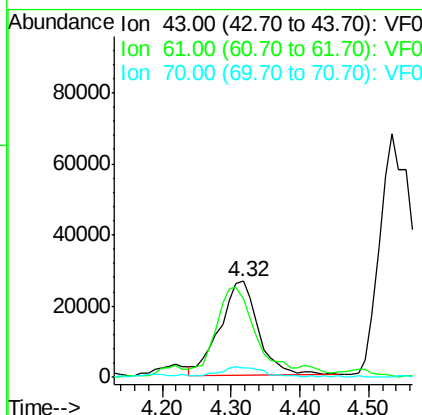
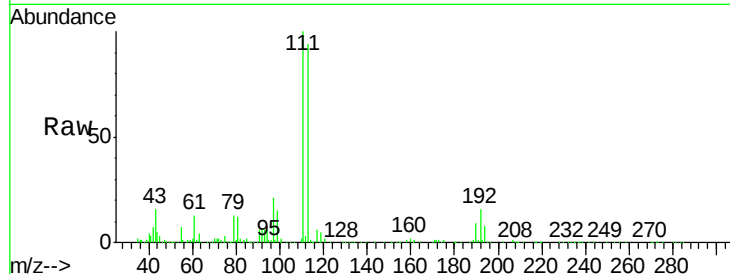
#37
Ethyl Acetate
Concen: 21.747 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	43	61	70	Ratio	Lower	Upper
101925	100	81.4	9.6		59.1	15.1

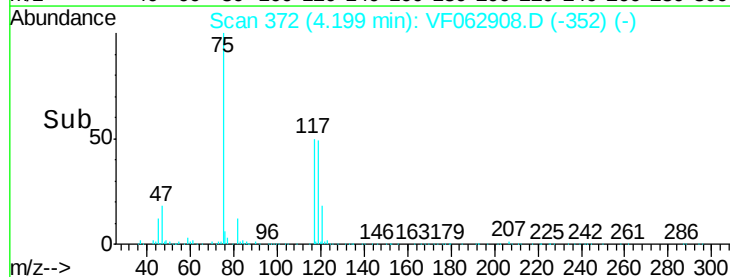
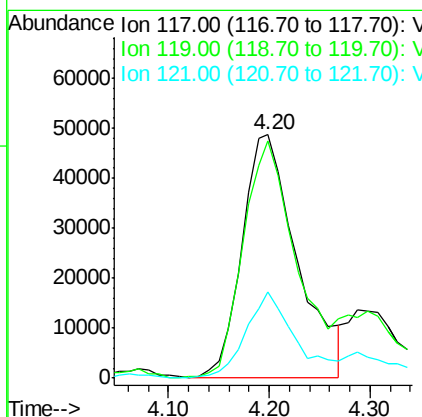
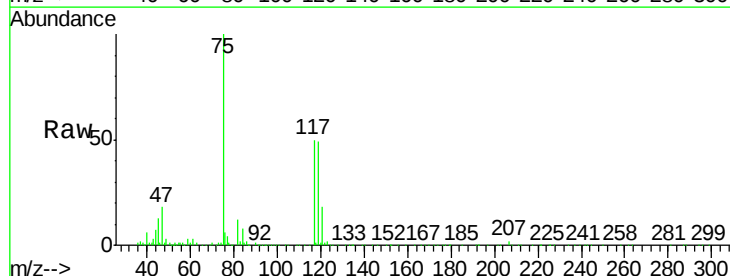
Manual Integrations
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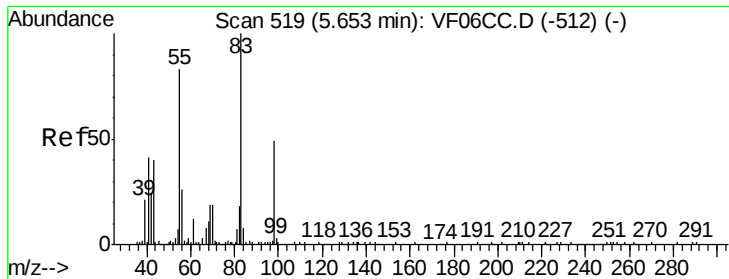
MMDadoda
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#38
Carbon Tetrachloride
Concen: 22.267 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	117	119	121	Ratio	Lower	Upper
184515	100	97.7	35.3		78.2	42.2





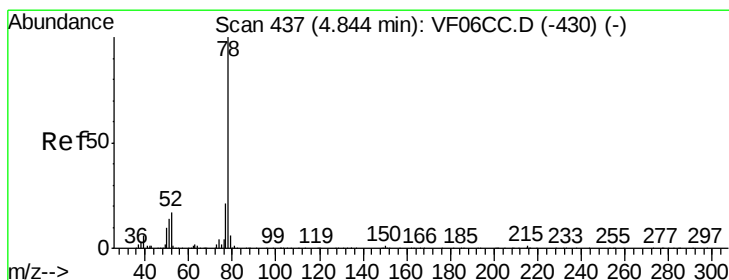
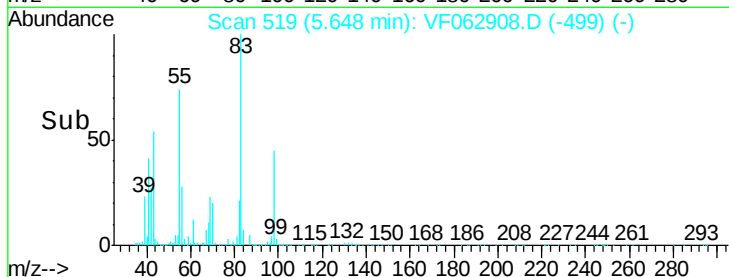
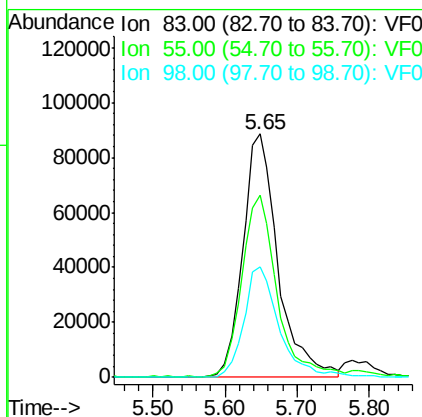
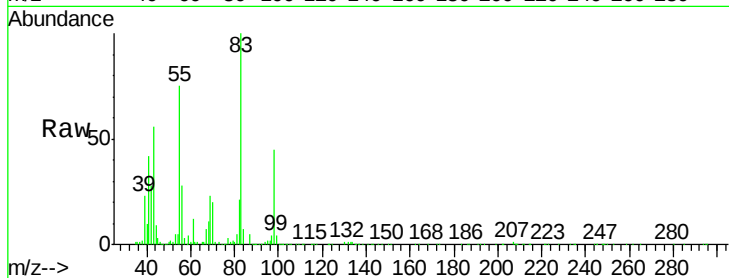
#39
Methylvlcyclohexane
Concen: 19.638 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.6	92.4
98	45.2	37.4	56.2

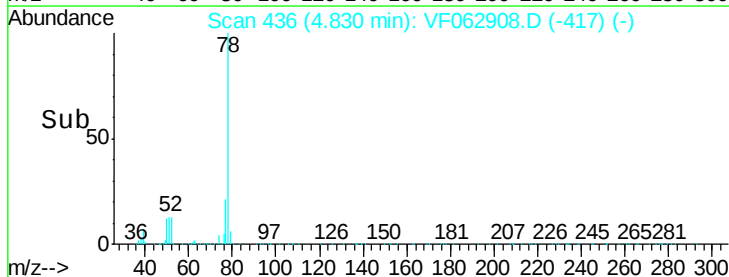
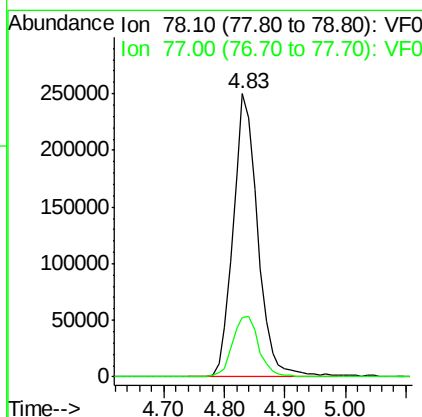
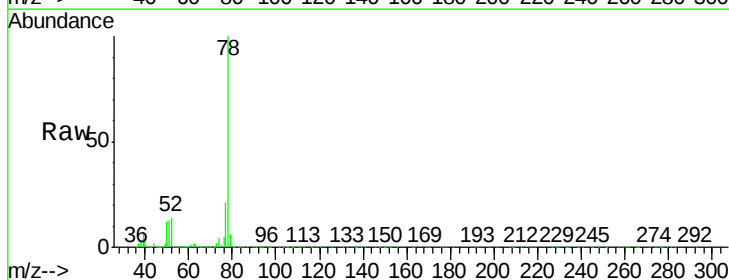
Manual Integrations
APPROVED

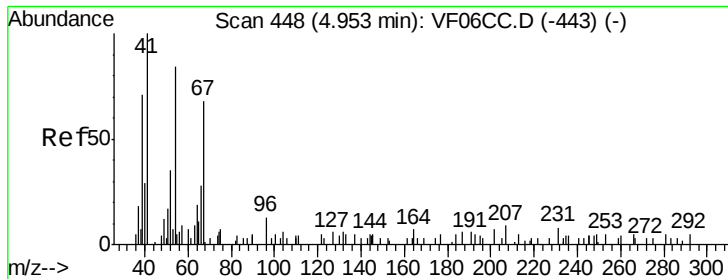
MMDadoda
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#40
Benzene
Concen: 19.768 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.9	28.3





#41

Methacrylonitrile

Concen: 20.050 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.02 min

Lab File: VF062908.D

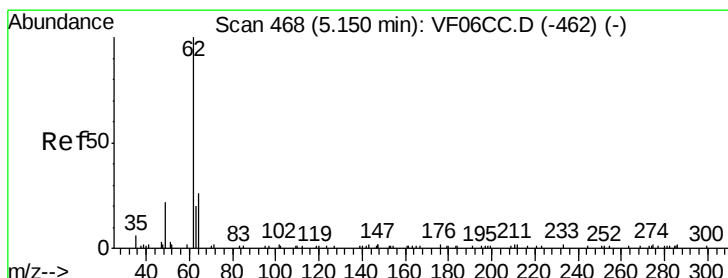
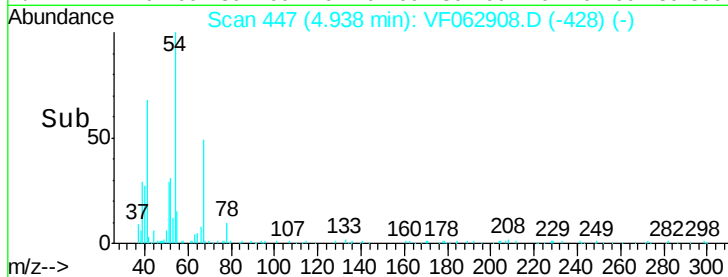
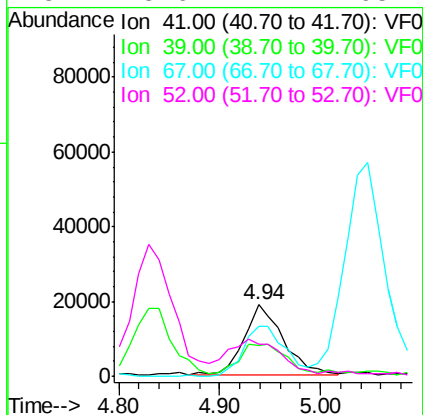
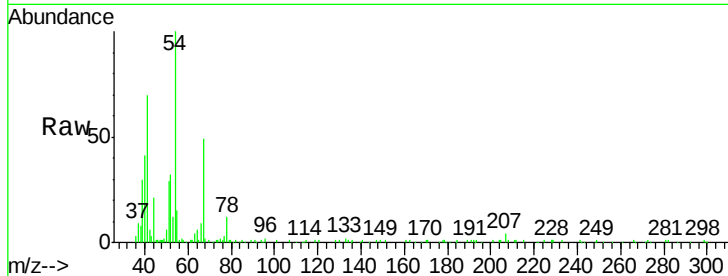
Acq: 10 Jun 2019 16:05

Tot Ion:	41	Resp:	52241
Ion Ratio	Lower	Upper	
41	100		
39	43.0	42.0	63.0
67	70.1	61.4	92.0
52	45.6	42.1	63.1

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Manual Integrations
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6/11/2019 2:54:43 PM



#42

1,2-Dichloroethane

Concen: 20.592 ug/l

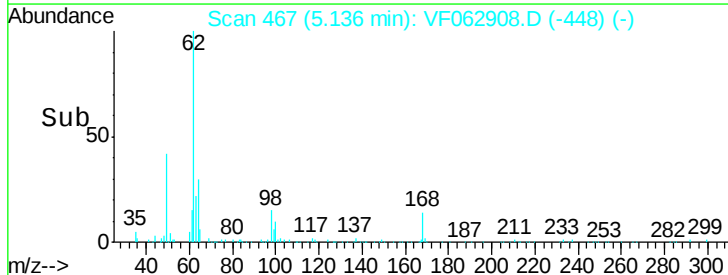
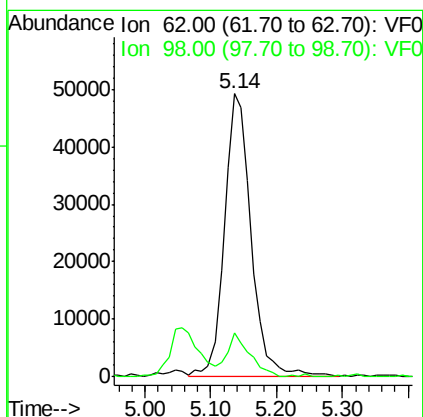
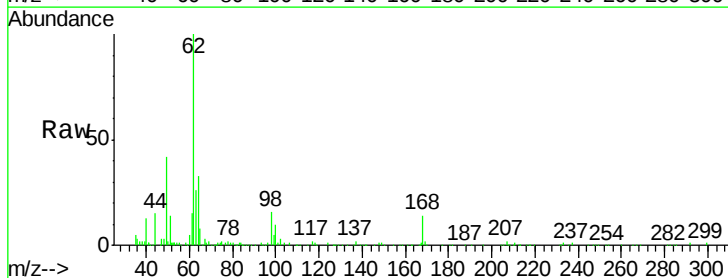
RT: 5.14 min Scan# 467

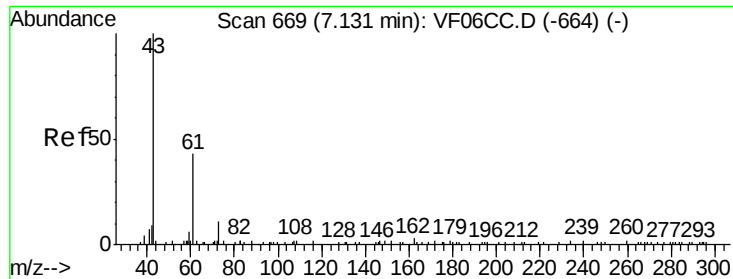
Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	62	Resp:	139750
Ion Ratio	Lower	Upper	
62	100		
98	15.6	0.0	24.0





#43

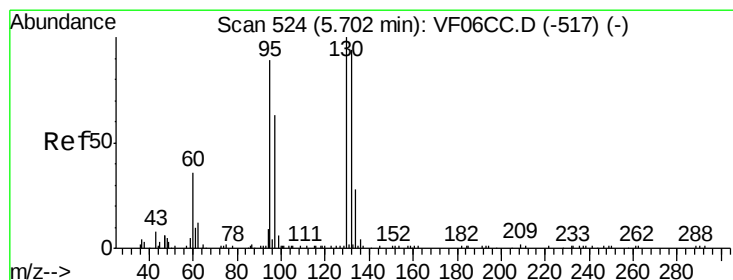
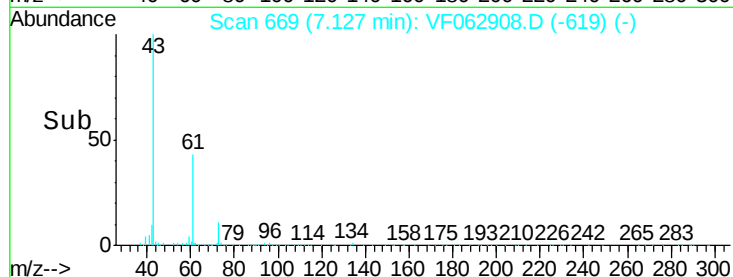
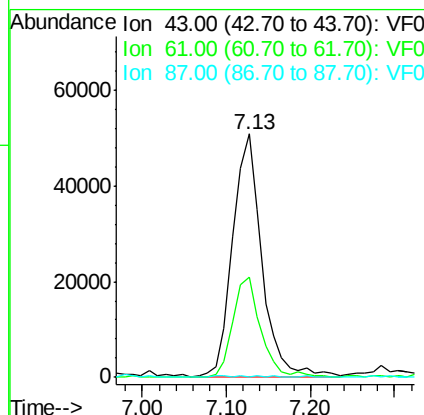
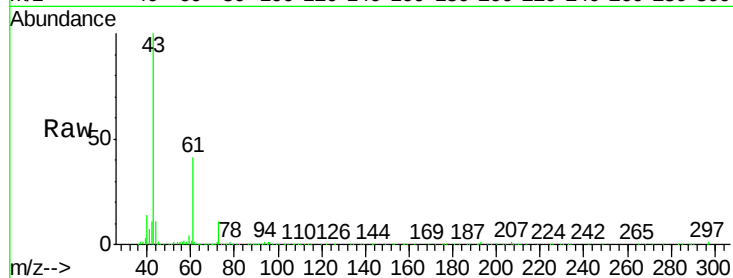
Isopropyl Acetate
 Concen: 19.678 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	41.0	29.8	44.6
87	0.3	0.3	0.5

Manual Integrations
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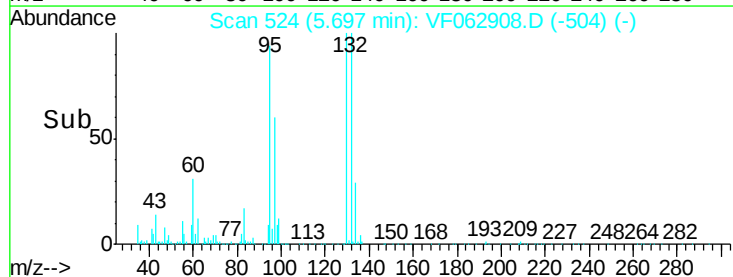
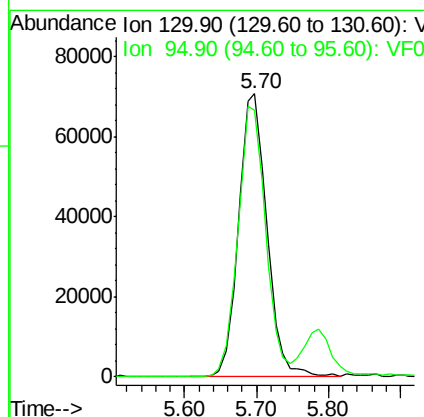
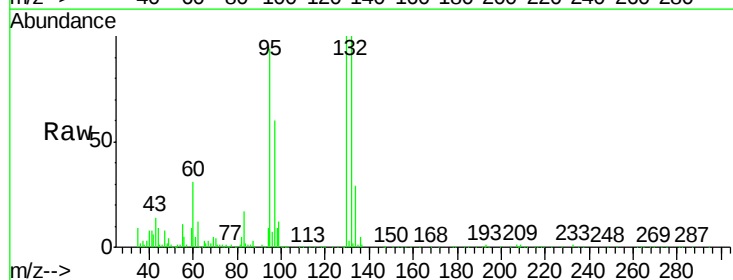
MMDadoda
 6/11/2019 2:54:43 PM

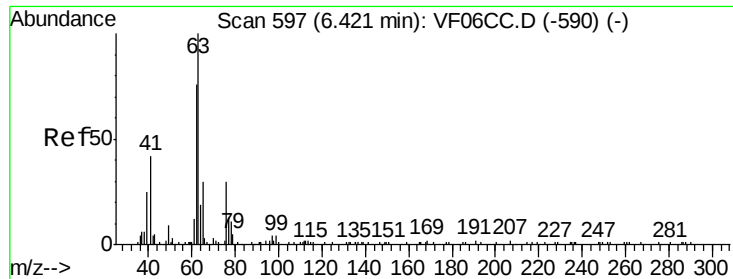


#44

Trichloroethene
 Concen: 19.332 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	188.2





#45

1,2-Dichloropropane

Concen: 20.461 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 63 Resp: 183224

Ion Ratio Lower Upper

63 100

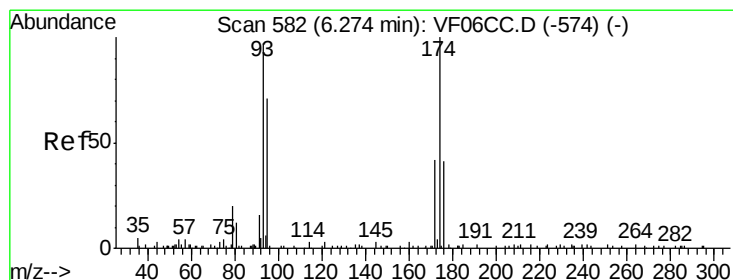
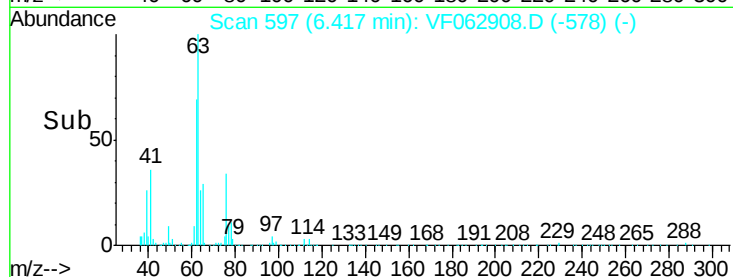
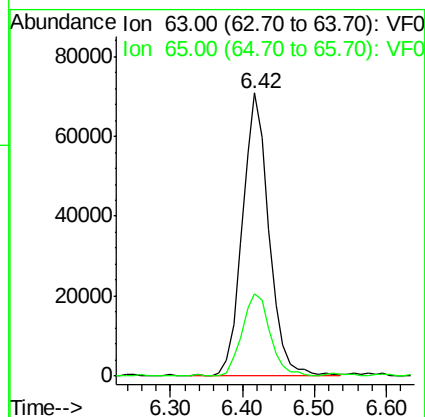
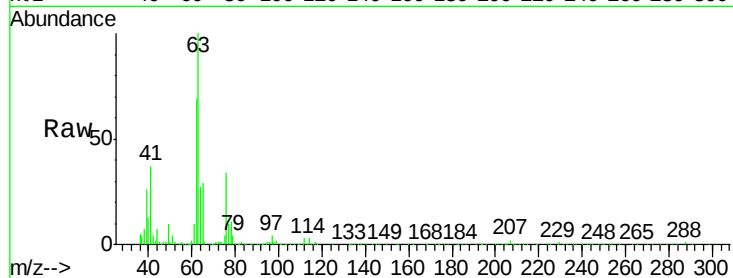
65 29.3 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 21.200 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

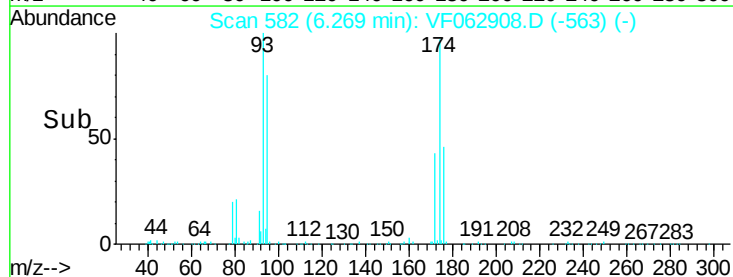
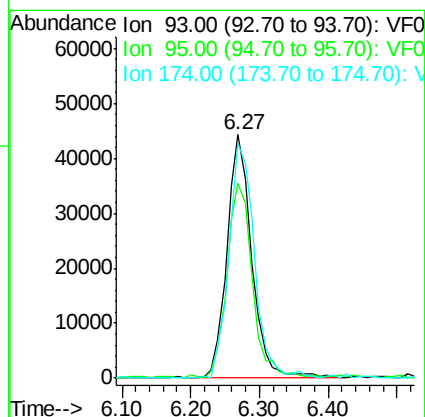
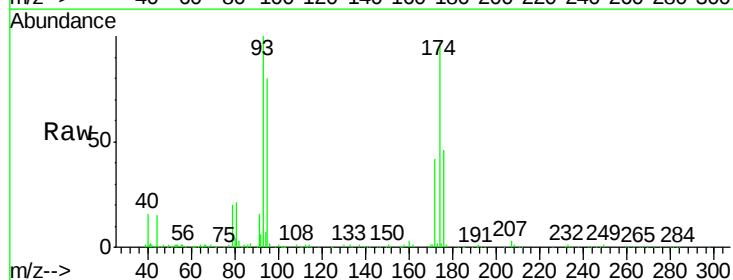
Tgt Ion: 93 Resp: 110838

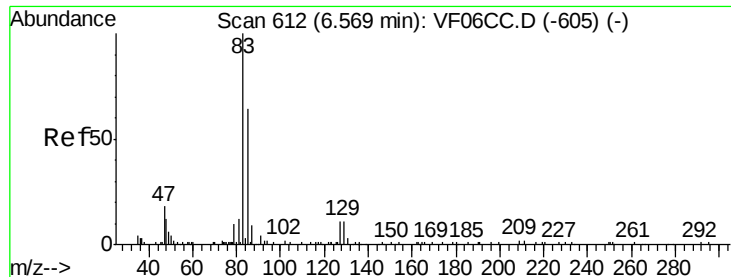
Ion Ratio Lower Upper

93 100

95 79.9 67.9 101.9

174 96.6 85.0 127.4





#47

Bromodichloromethane

Concen: 19.762 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

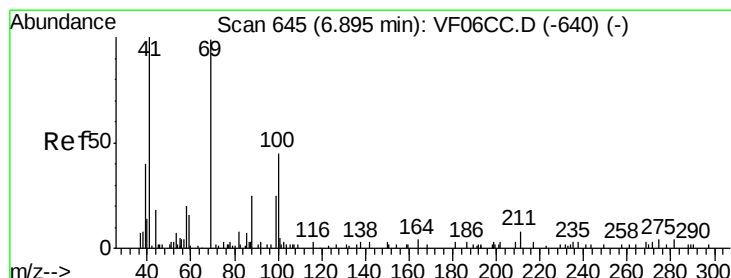
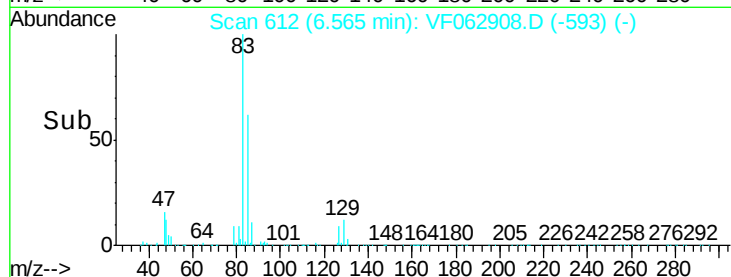
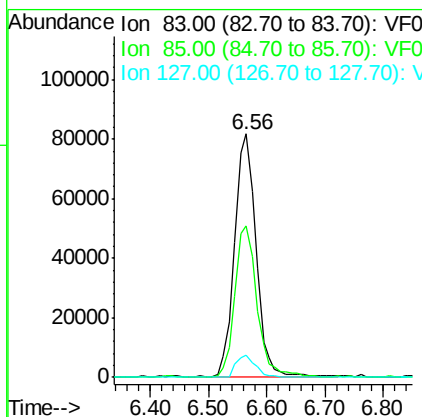
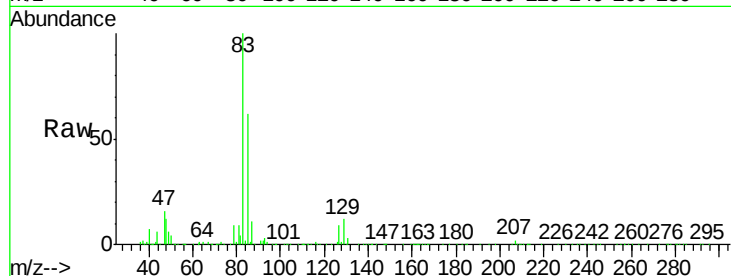
ClientSampleId :

VF0610SBSD01

Tot Ion:	83	Resp:	210415
Ion	Ratio	Lower	Upper
83	100		
85	62.1	54.2	81.4
127	9.1	7.0	10.4

Manual Integrations
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6/11/2019 2:54:43 PM



#48

Methyl methacrylate

Concen: 20.361 ug/l

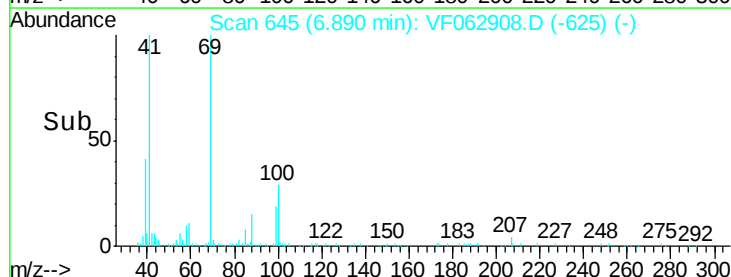
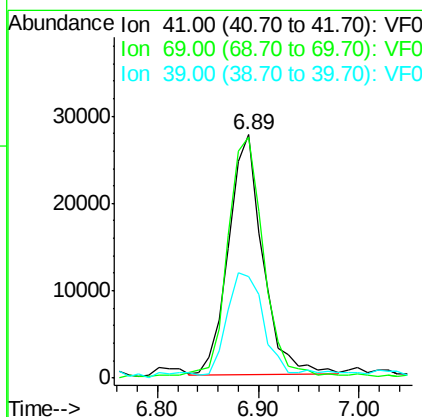
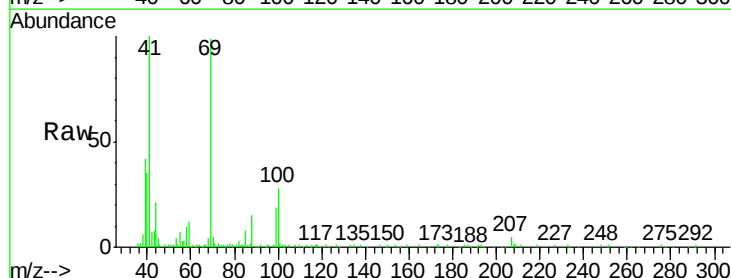
RT: 6.89 min Scan# 645

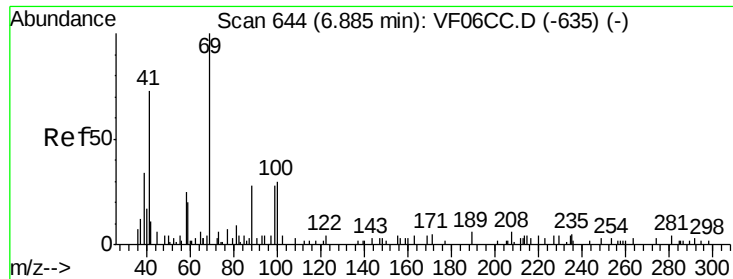
Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	41	Resp:	64969
Ion	Ratio	Lower	Upper
41	100		
69	99.0	79.4	119.2
39	41.8	39.8	59.6





#49

1,4-Dioxane

Concen: 438.933 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

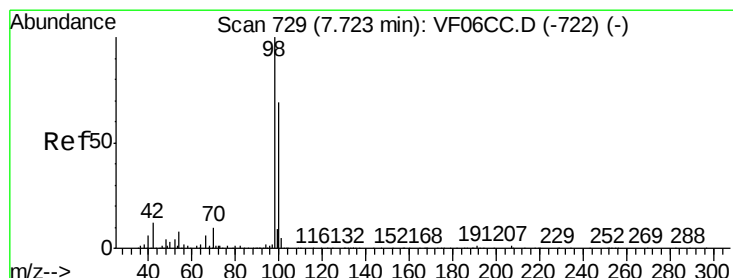
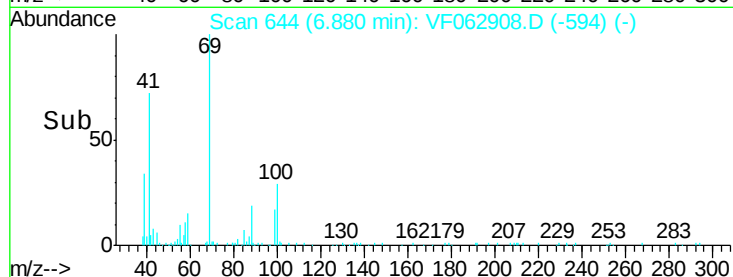
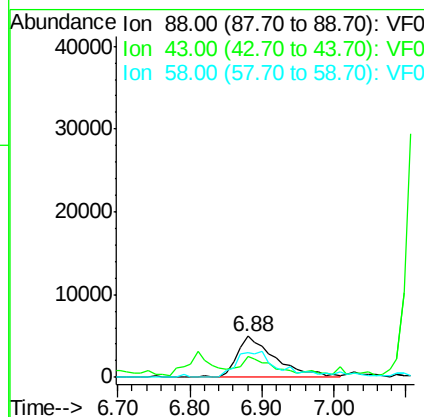
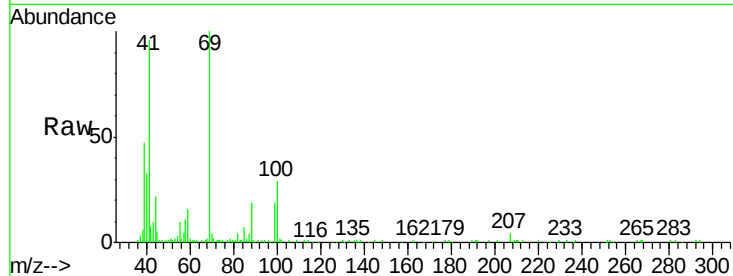
ClientSampleId :

VF0610SBSD01

Tot Ion:	88	Resp:	18461
Ion Ratio	Lower	Upper	
88	100		
43	51.7	34.8	52.2
58	59.2	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 47.729 ug/l

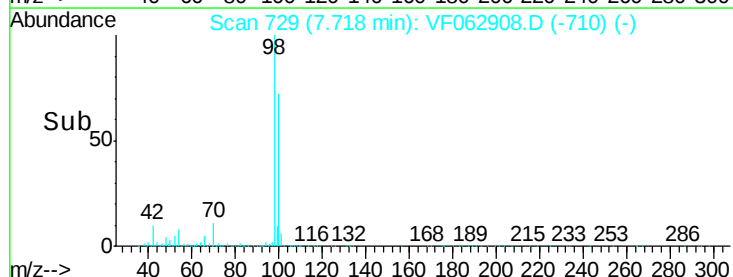
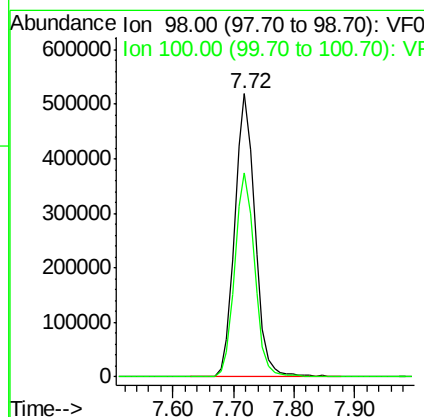
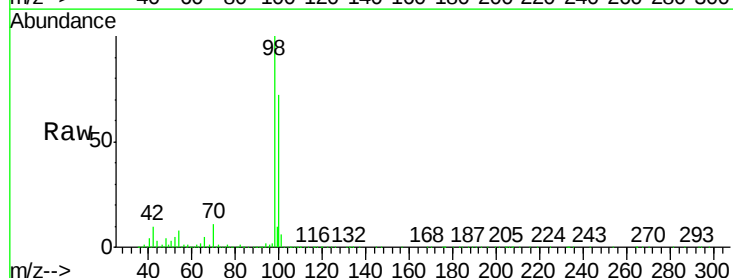
RT: 7.72 min Scan# 729

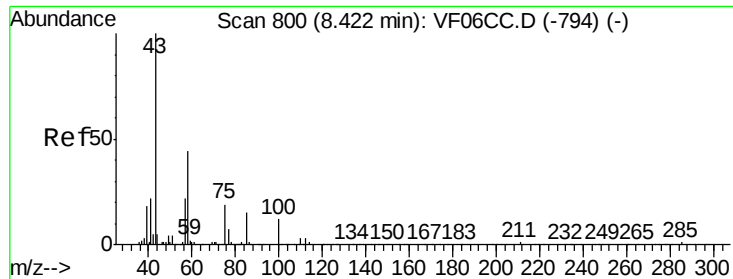
Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	98	Resp:	1214687
Ion Ratio	Lower	Upper	
98	100		
100	71.9	59.8	89.8





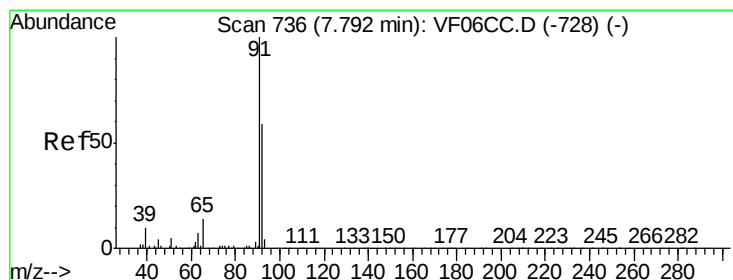
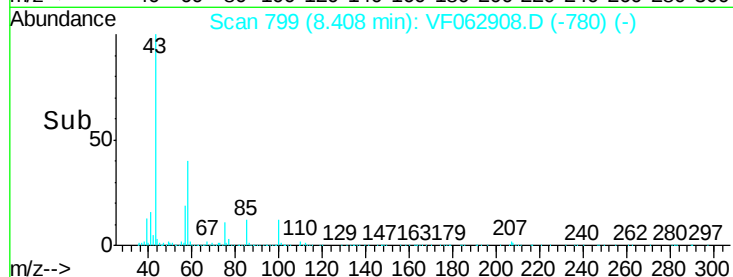
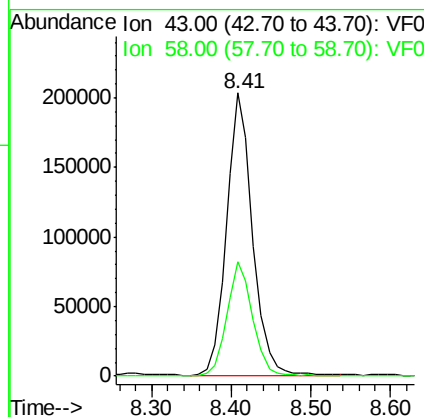
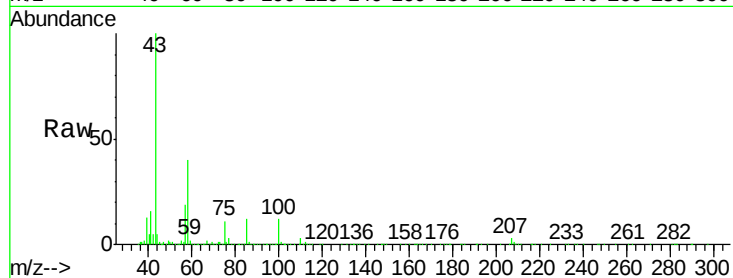
#51
4-Methyl-2-Pentanone
Concen: 105.023 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	35.5	53.3

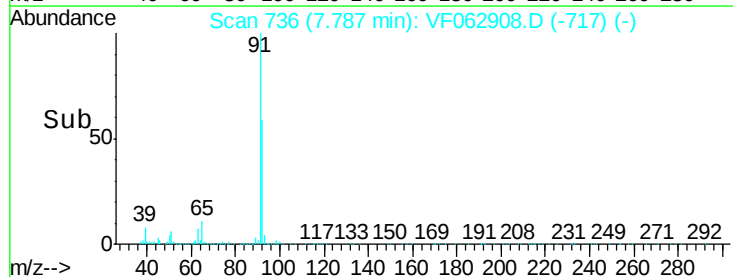
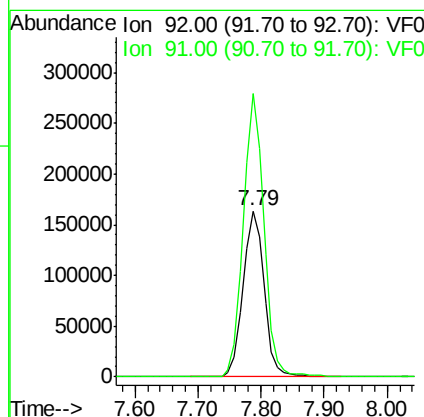
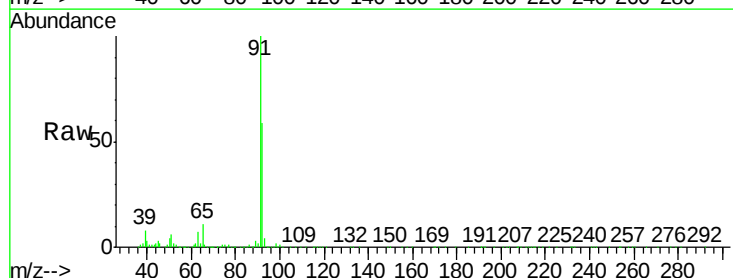
Manual Integrations
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6/11/2019 2:54:43 PM



#52
Toluene
Concen: 19.594 ug/l
RT: 7.79 min Scan# 736
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.8	123.2	184.8





#53

t-1,3-Dichloropropene

Concen: 19.325 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tot Ion: 75 Resp: 170501

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

Instrument :

MSVOA_F

ClientSampleId :

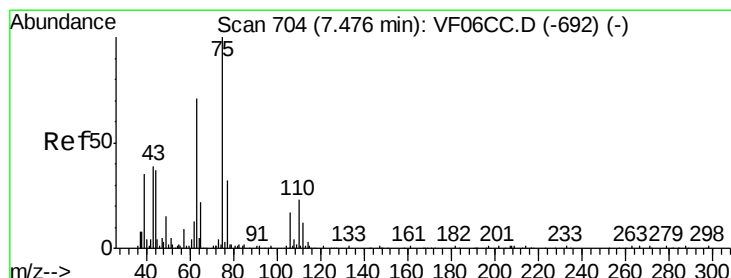
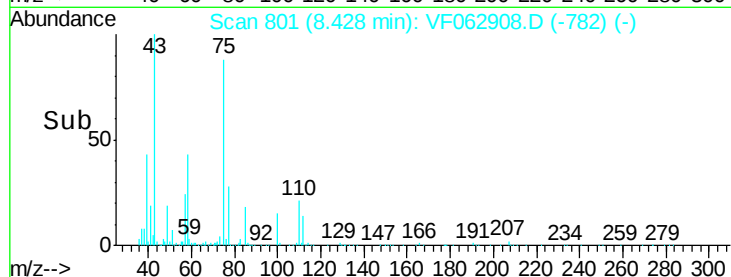
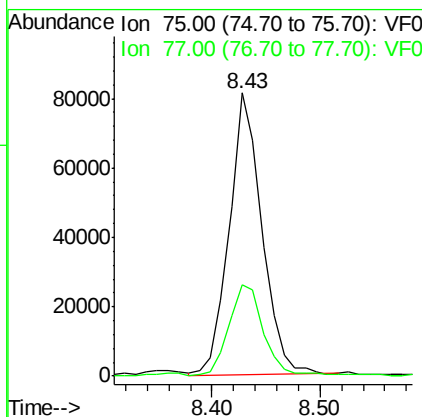
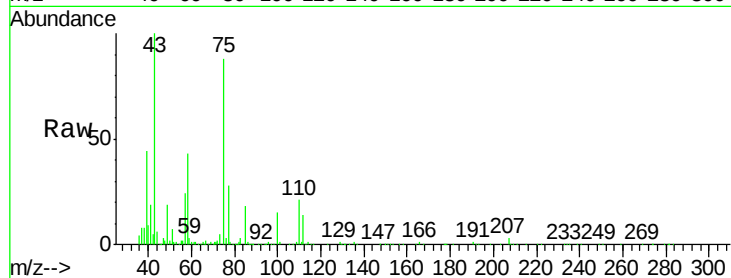
VF0610SBSD01

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#54

cis-1,3-Dichloropropene

Concen: 19.410 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

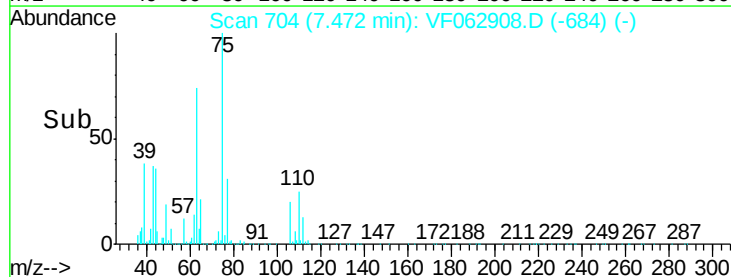
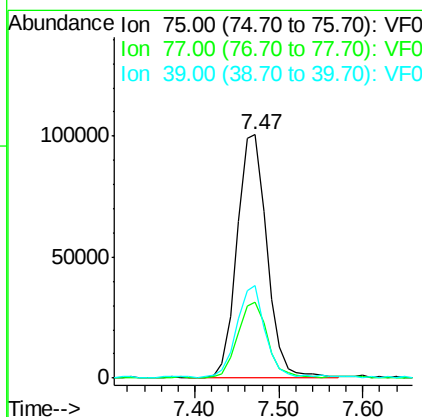
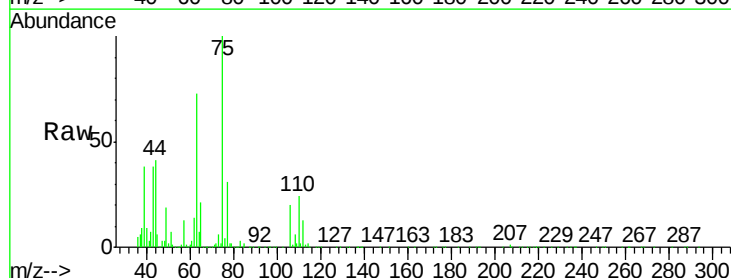
Tgt Ion: 75 Resp: 247894

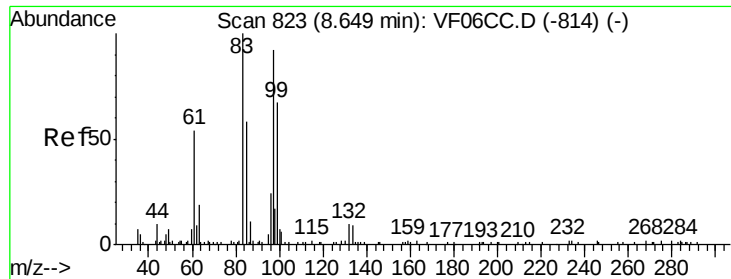
Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8

39 37.9 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 19.767 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

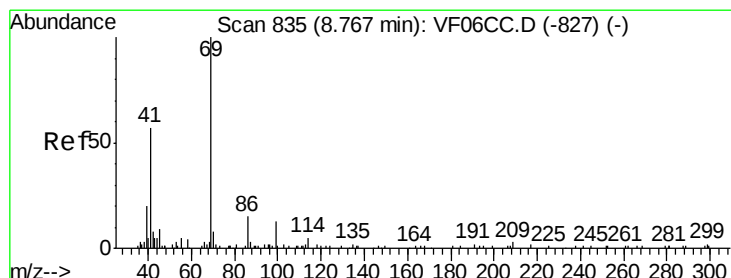
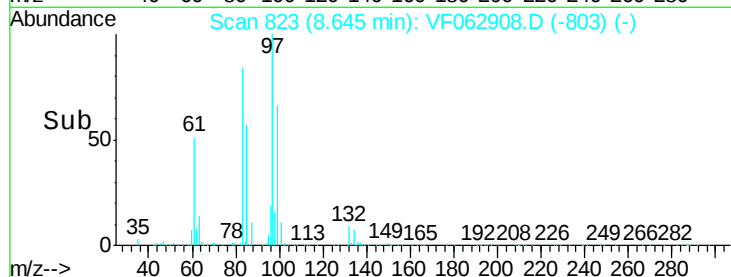
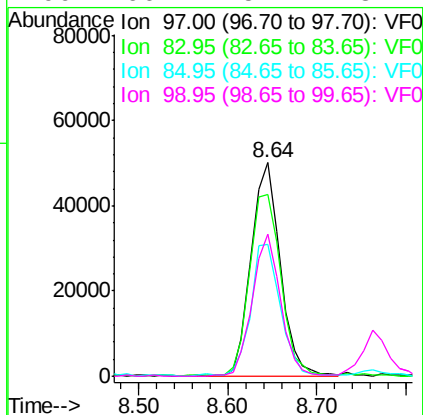
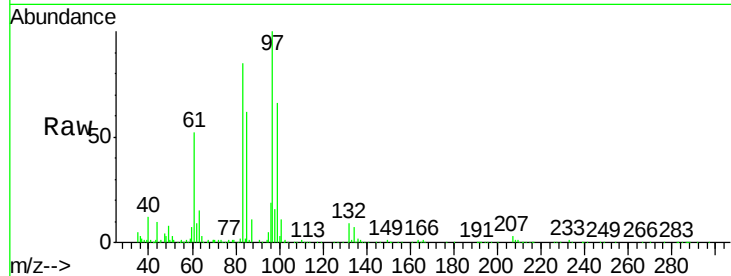
ClientSampleId :

VF0610SBSD01

Tot Ion:	97	Resp:	113497
Ion	Ratio	Lower	Upper
97	100		
83	85.3	72.0	108.0
85	61.6	47.5	71.3
99	66.4	54.1	81.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.227 ug/l

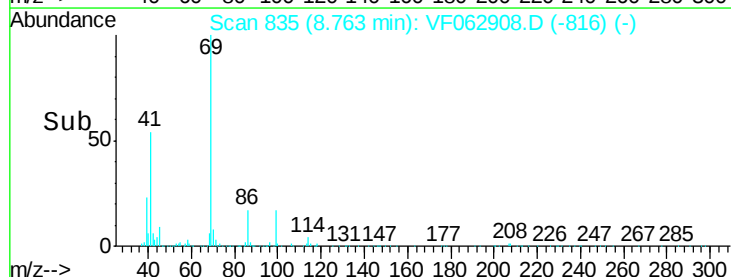
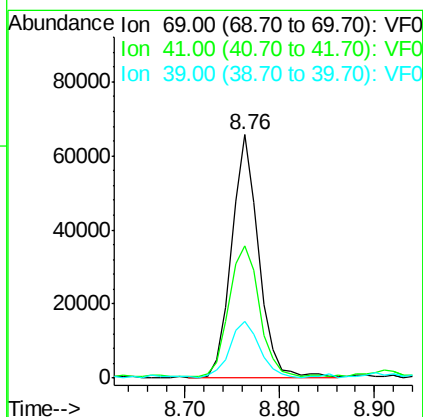
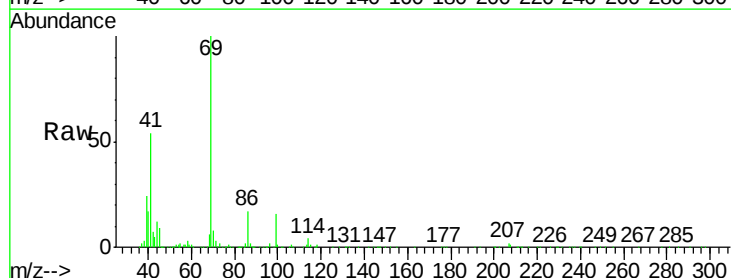
RT: 8.76 min Scan# 835

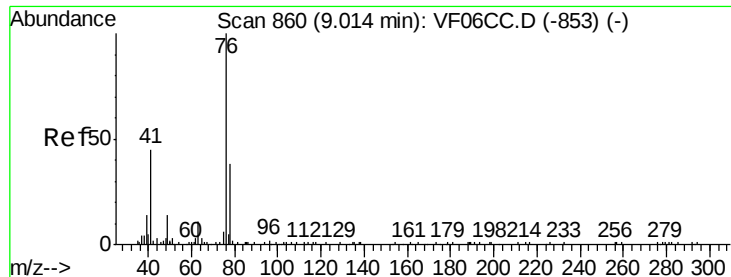
Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	69	Resp:	130776
Ion	Ratio	Lower	Upper
69	100		
41	54.3	46.6	69.8
39	23.5	19.6	29.4





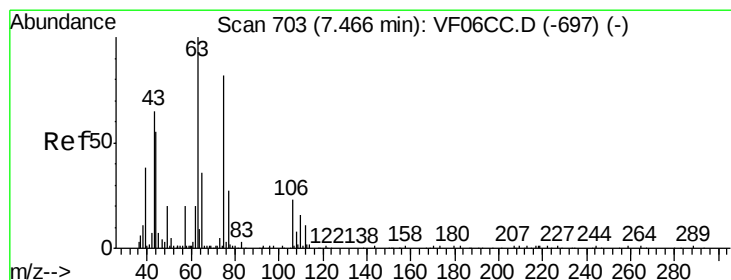
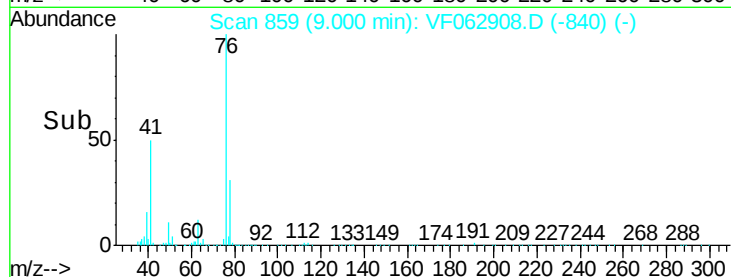
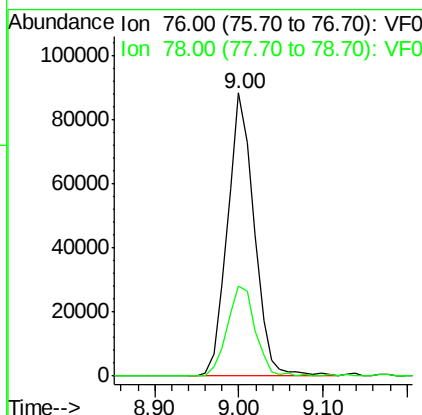
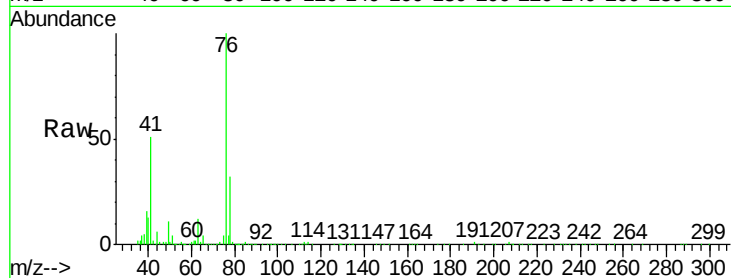
#57
 1,3-Dichloropropane
 Concen: 20.816 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.8	40.2

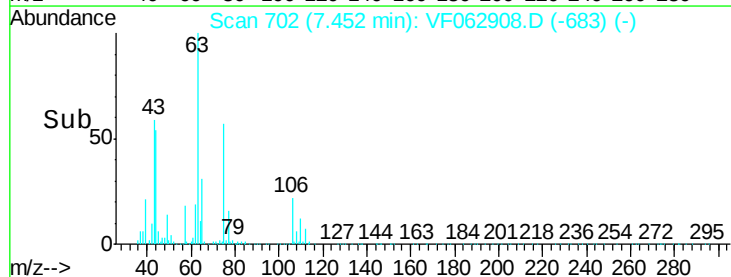
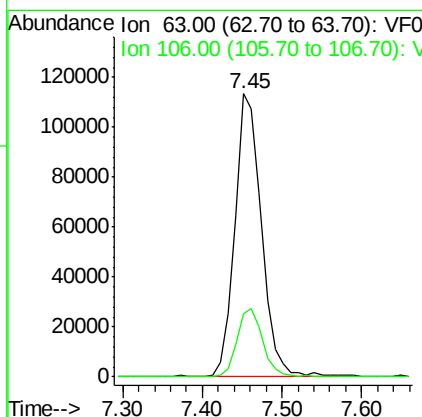
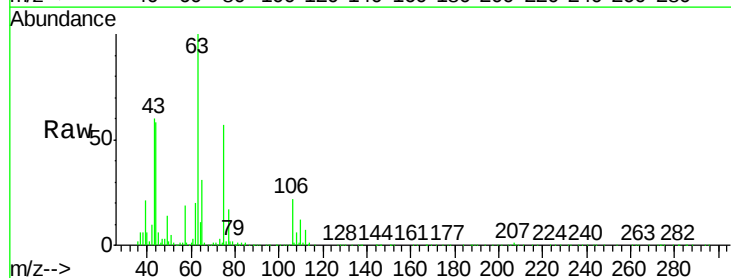
Manual Integrations
 APPROVED

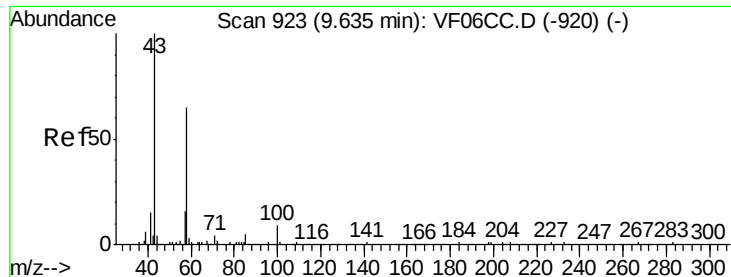
MMDadoda
 6/11/2019 2:54:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.768 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.4	19.5	29.3





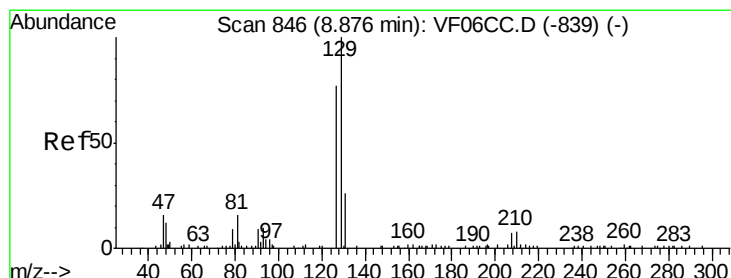
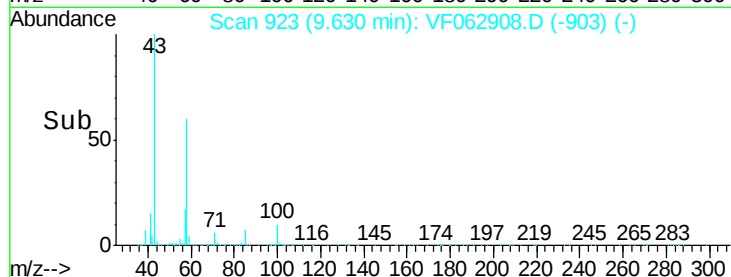
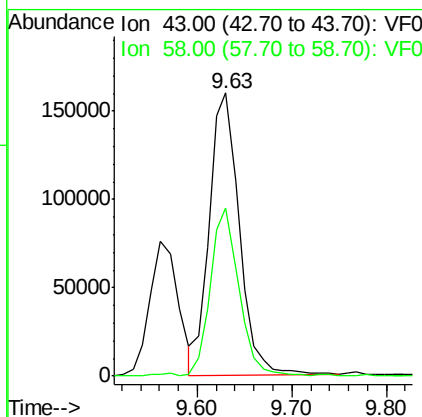
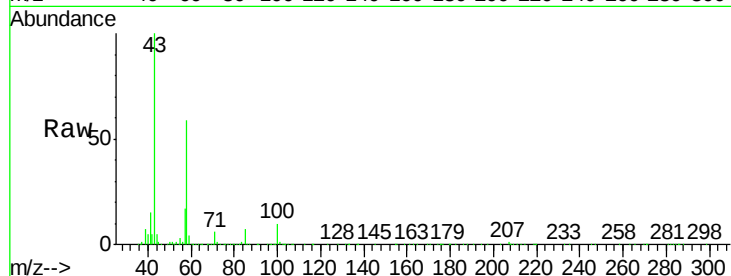
#59
2-Hexanone
Concen: 111.397 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion: 43 Resp: 350974
Ion Ratio Lower Upper
43 100
58 59.4 29.3 87.9

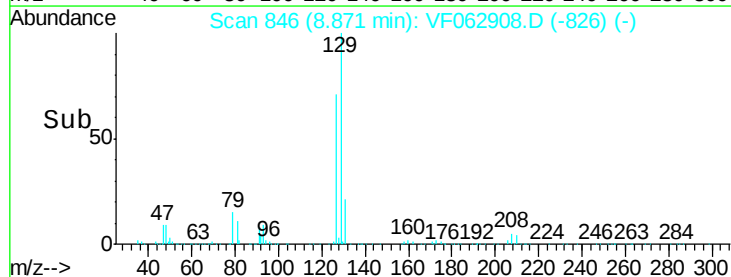
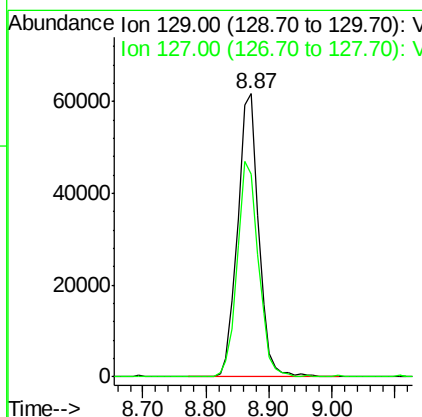
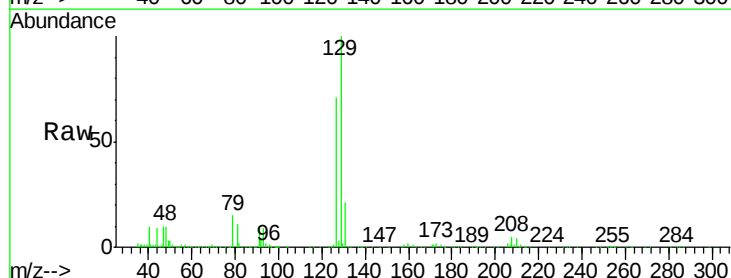
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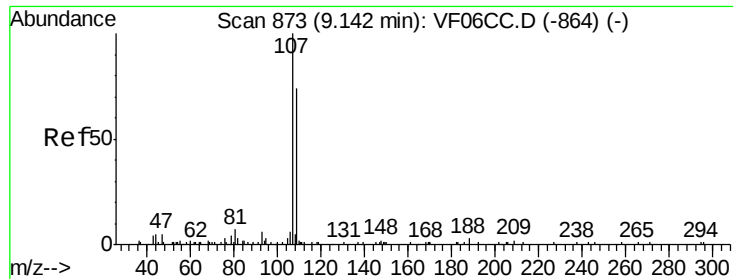
MMDadoda
6/11/2019 2:54:43 PM



#60
Dibromochloromethane
Concen: 19.869 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion: 129 Resp: 141241
Ion Ratio Lower Upper
129 100
127 71.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 19.531 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBSD01

Tot Ion: 107 Resp: 116469

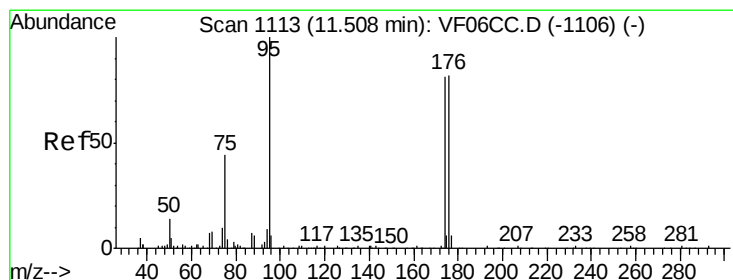
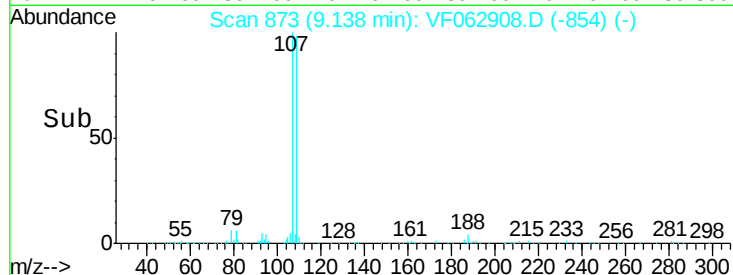
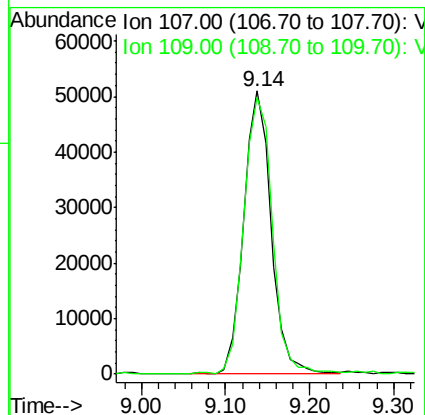
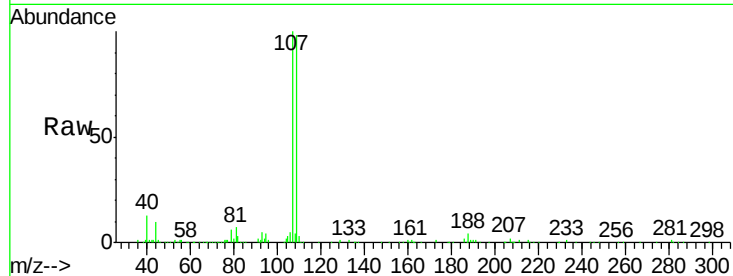
Ion Ratio Lower Upper

107 100

109 98.0 78.1 117.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.496 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

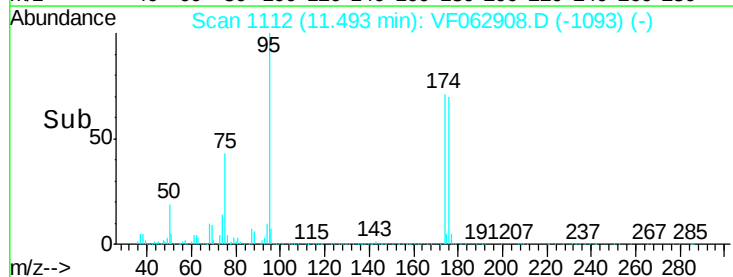
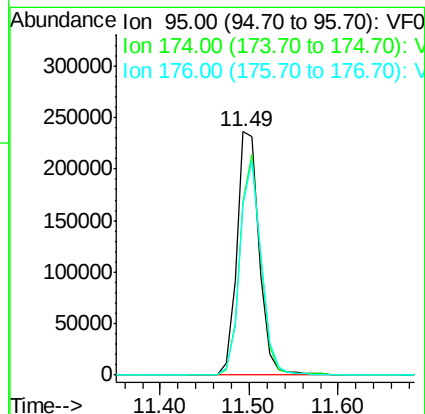
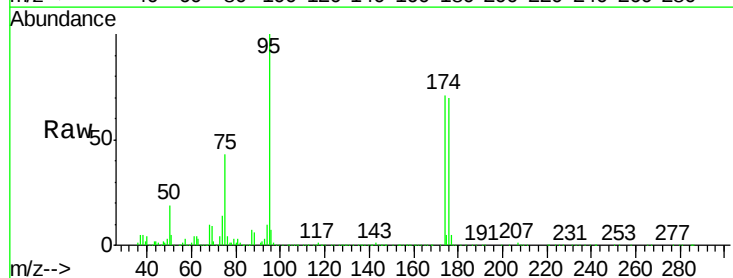
Tgt Ion: 95 Resp: 416499

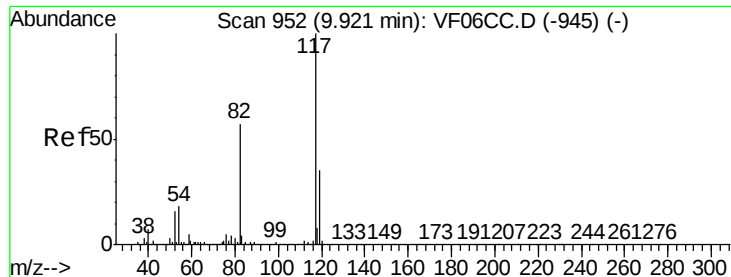
Ion Ratio Lower Upper

95 100

174 71.4 0.0 170.6

176 69.9 0.0 170.6





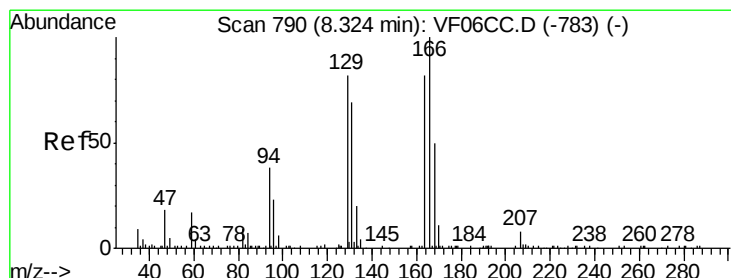
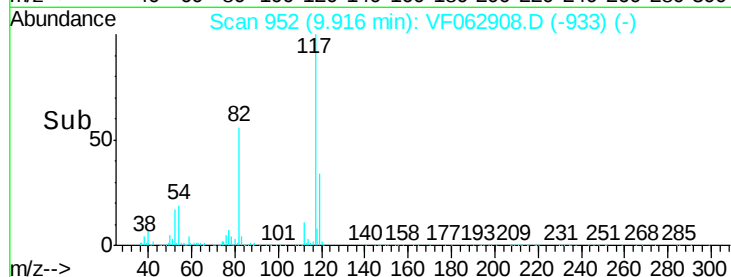
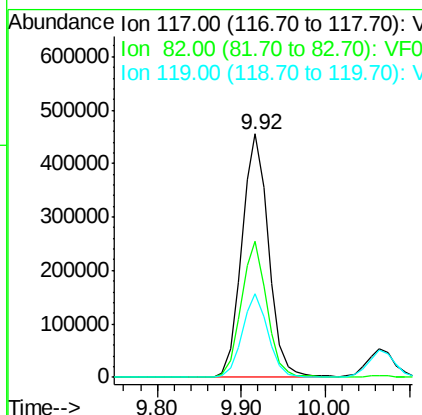
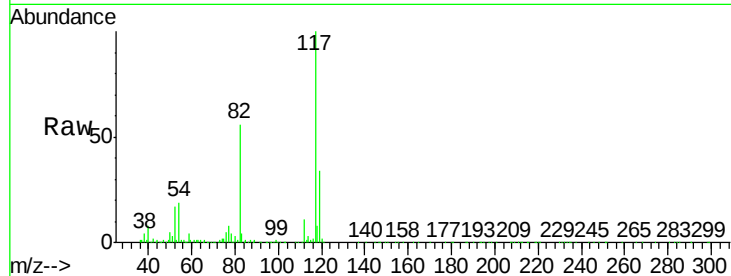
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	42.4	63.6
119	34.3	27.1	40.7

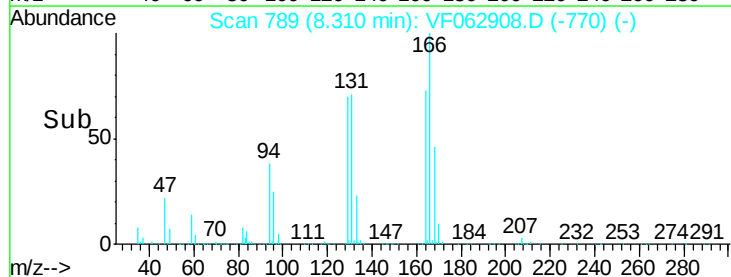
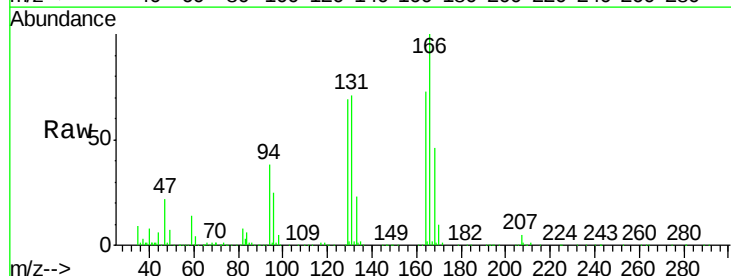
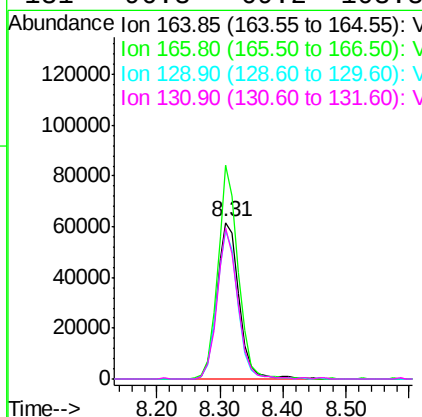
Manual Integrations
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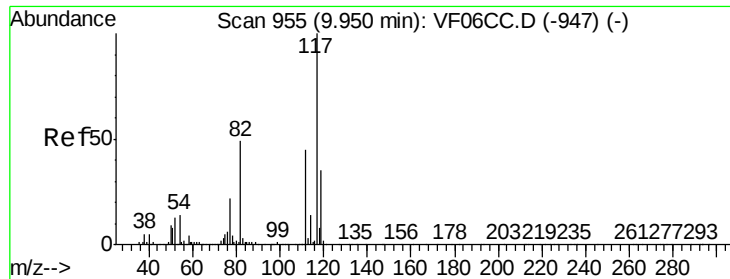
MMDadoda
6/11/2019 2:54:43 PM



#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	99.1	148.7
129	94.7	69.5	104.3
131	96.3	69.2	103.8





#65

Chlorobenzene

Concen: 19.999 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:112 Resp: 387918

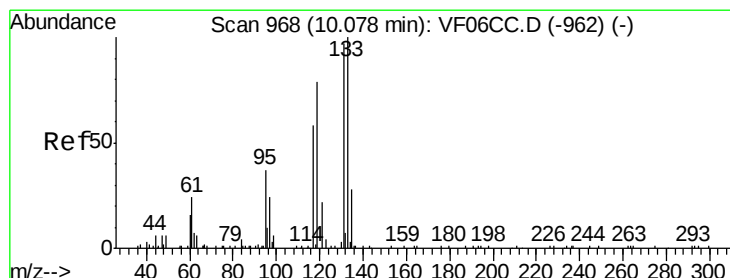
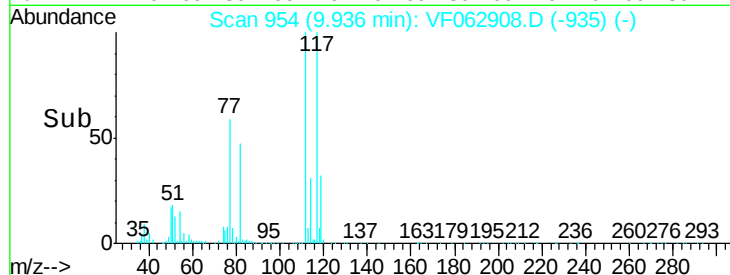
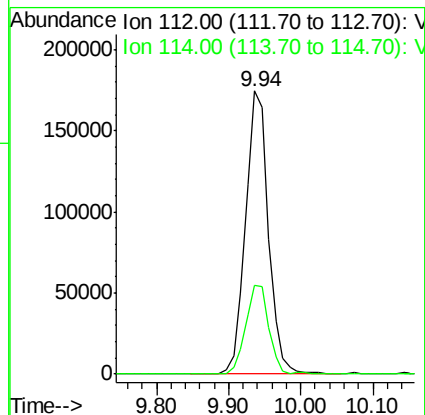
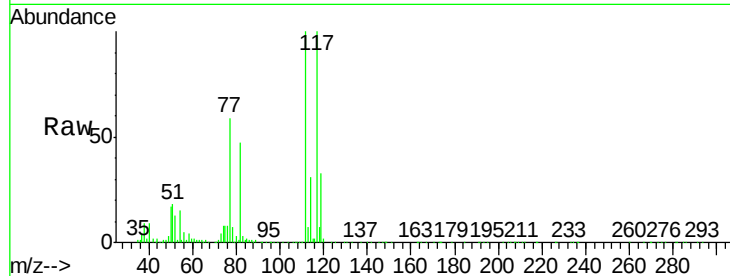
Ion Ratio Lower Upper

112 100

114 31.2 27.4 41.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.380 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

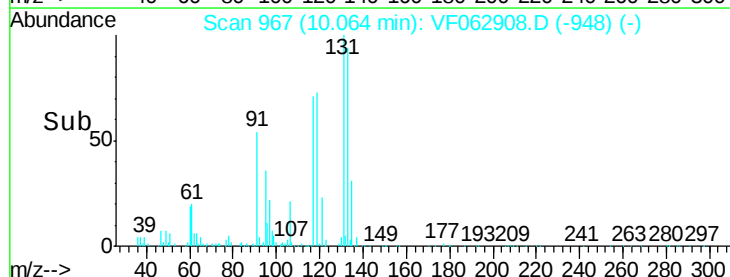
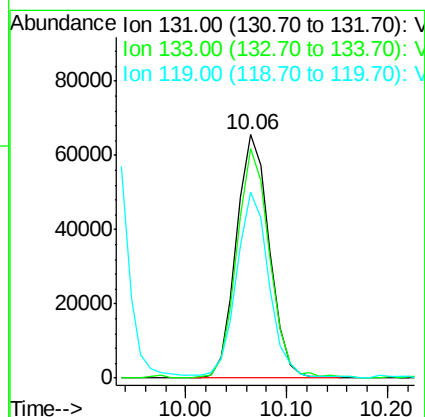
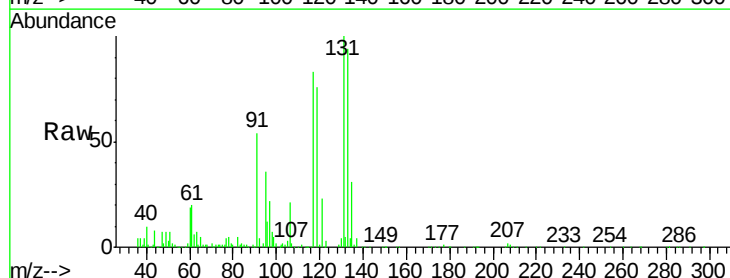
Tgt Ion:131 Resp: 149708

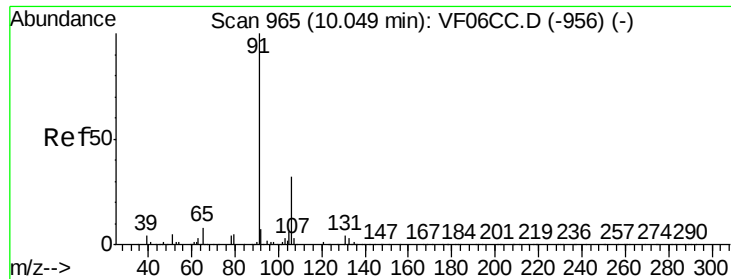
Ion Ratio Lower Upper

131 100

133 94.1 48.9 146.7

119 76.2 38.0 114.0





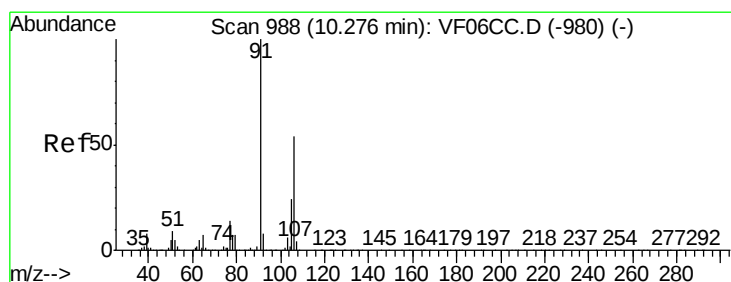
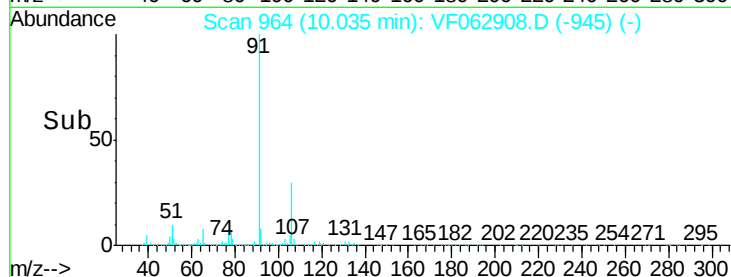
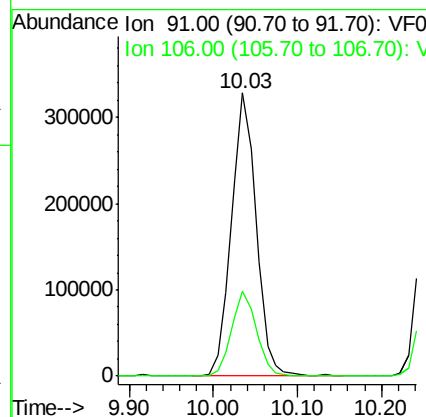
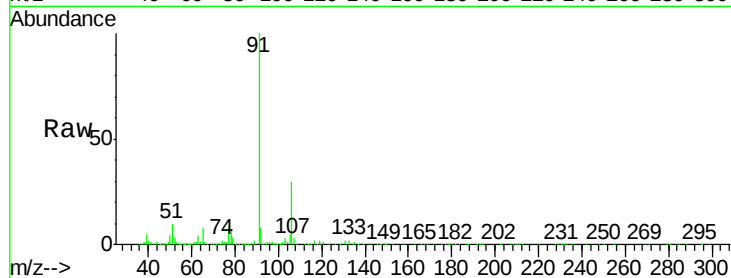
#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion: 91 Resp: 672782
Ion Ratio Lower Upper
91 100
106 29.9 26.0 39.0

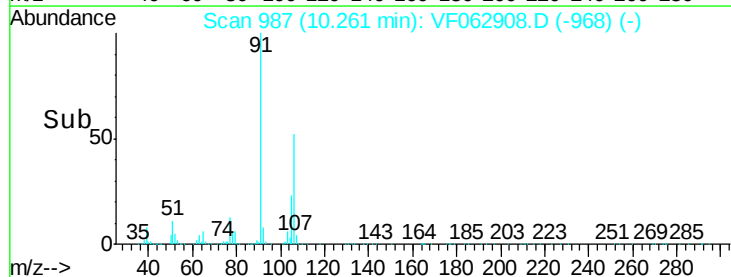
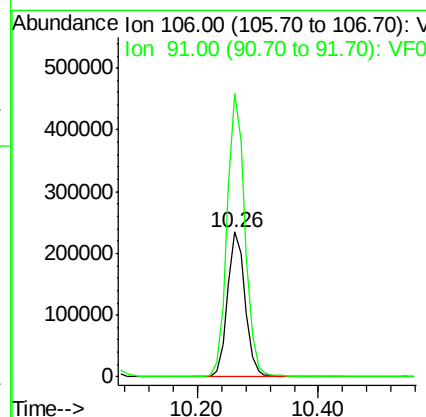
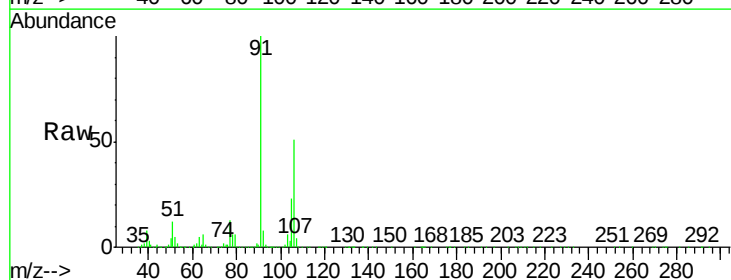
Manual Integrations
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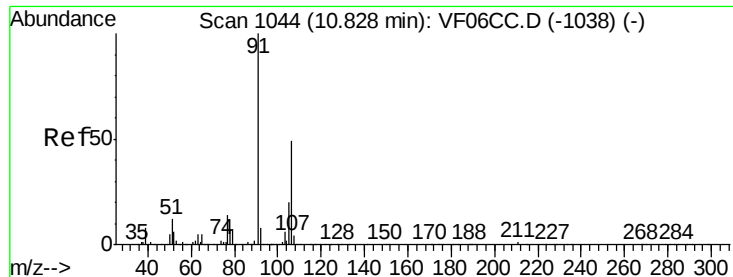
MMDadoda
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#68
m/p-Xylenes
Concen: 37.348 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion: 106 Resp: 475712
Ion Ratio Lower Upper
106 100
91 195.1 136.2 204.4





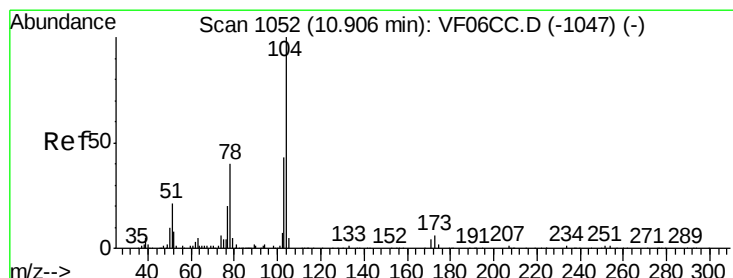
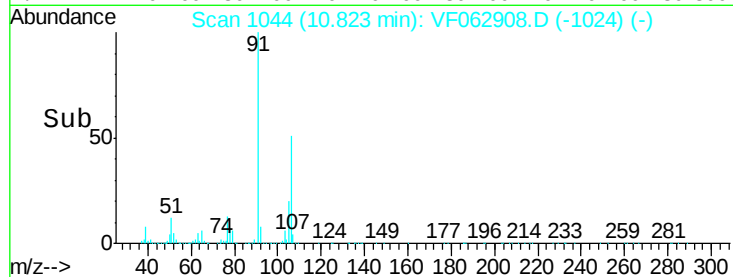
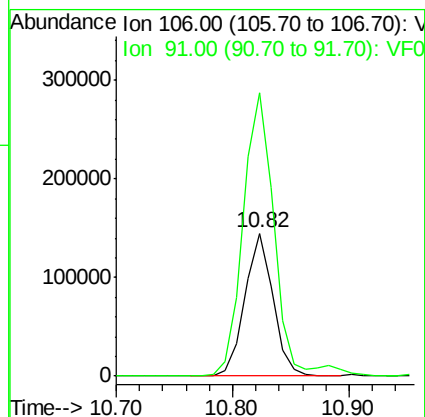
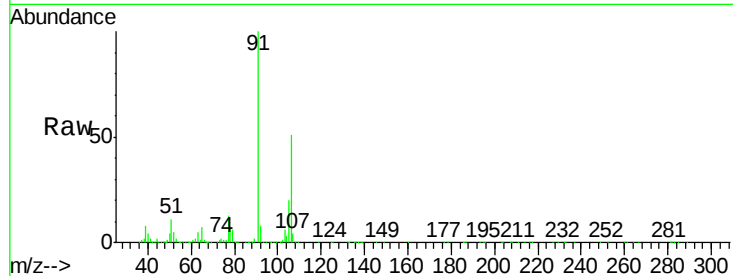
#69
o-Xylene
Concen: 18.978 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion:106 Resp: 244746
Ion Ratio Lower Upper
106 100
91 198.0 96.6 289.8

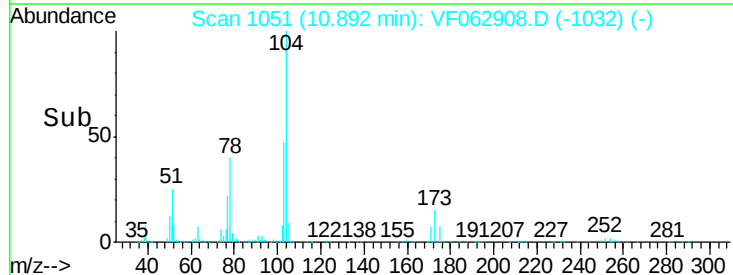
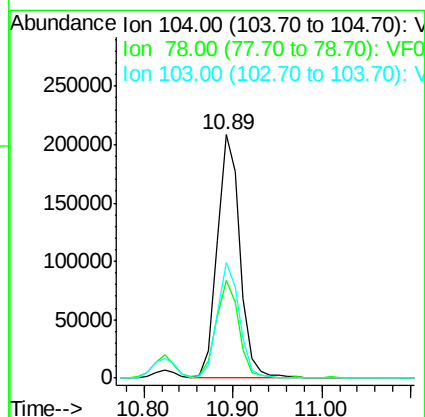
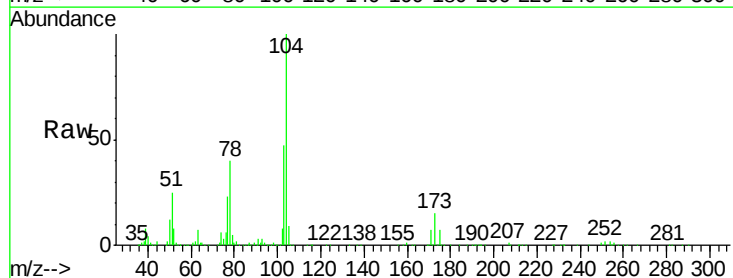
Manual Integrations
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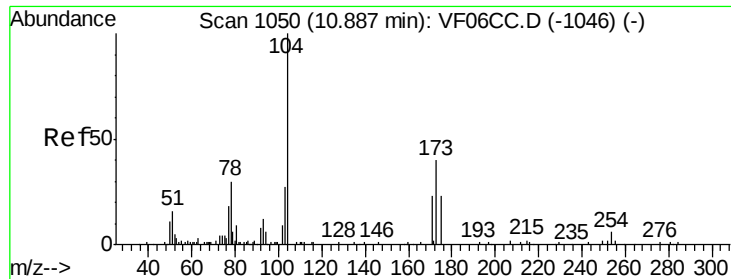
MMDadoda
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#70
Styrene
Concen: 19.497 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion:104 Resp: 370598
Ion Ratio Lower Upper
104 100
78 40.0 30.8 46.2
103 47.3 35.8 53.6





#71

Bromoform

Concen: 20.134 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

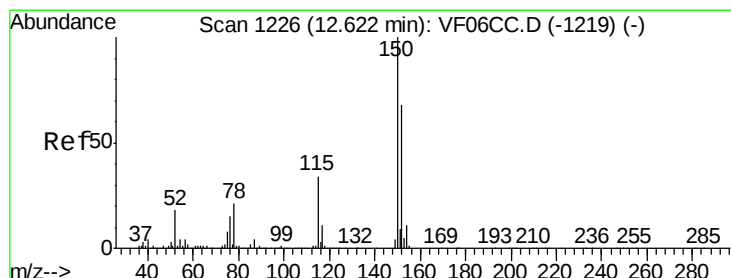
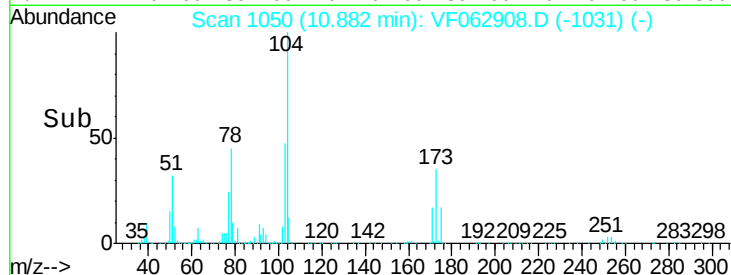
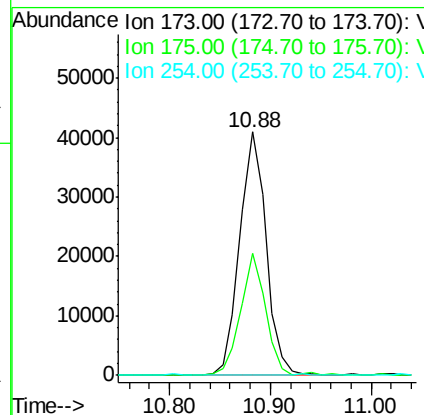
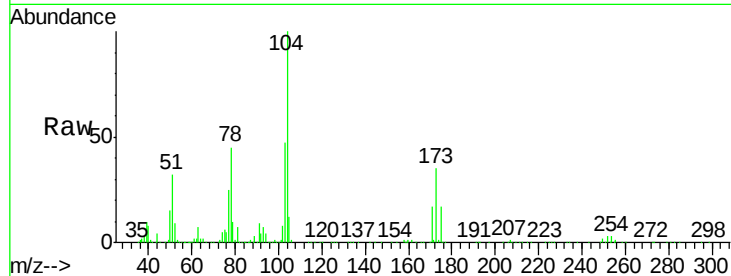
ClientSampleId :

VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	74.0
254	0.4	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

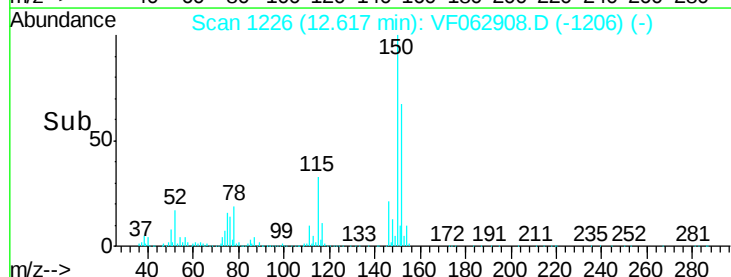
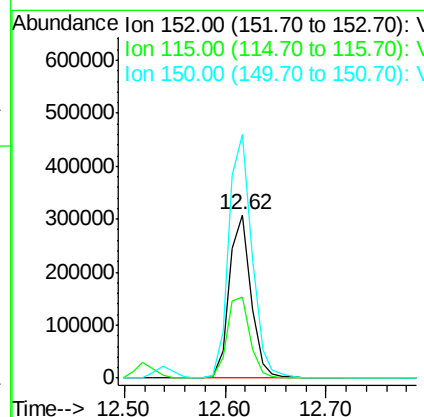
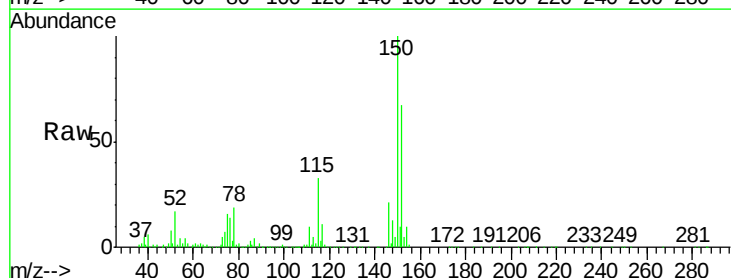
RT: 12.62 min Scan# 1226

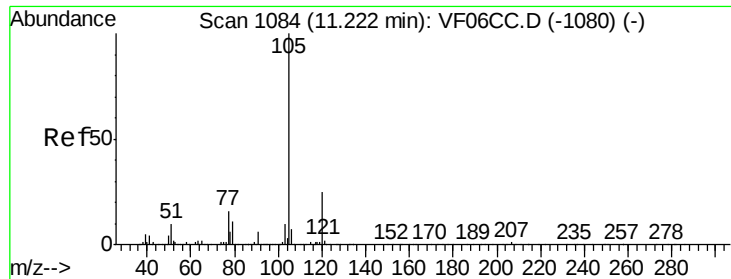
Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.9	24.6	74.0
150	149.3	0.0	290.6





#73

Isopropylbenzene

Concen: 21.085 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:105 Resp: 676777

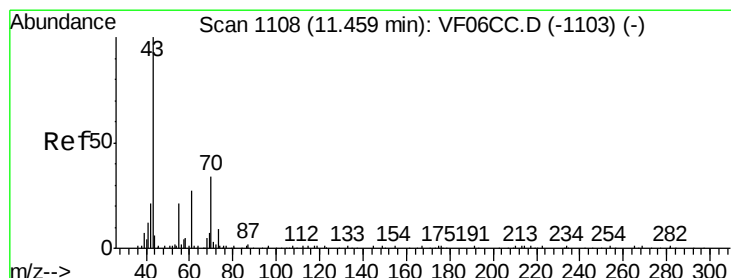
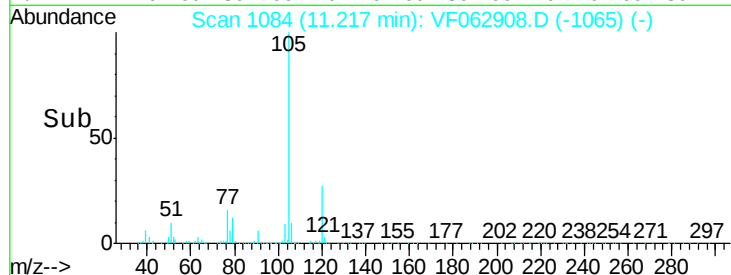
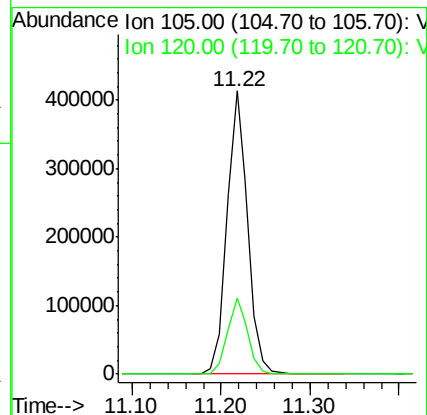
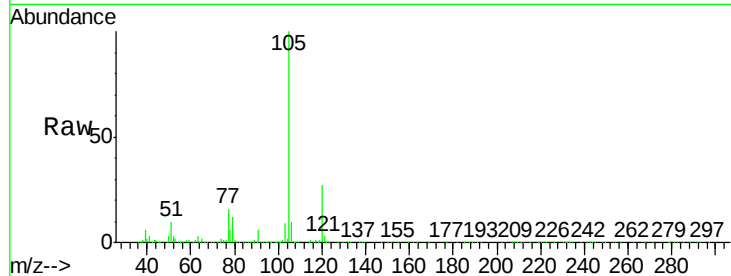
Ion Ratio Lower Upper

105 100

120 26.7 15.1 45.3

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#74

N-ethyl acetate

Concen: 22.872 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion: 43 Resp: 206909

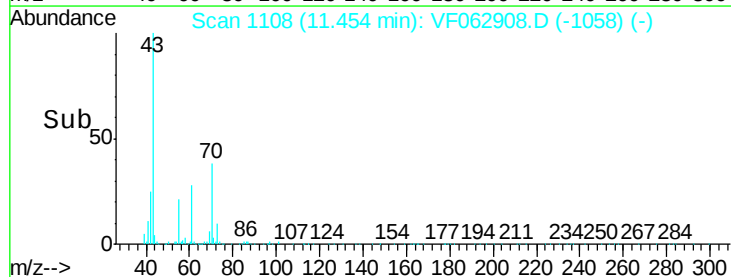
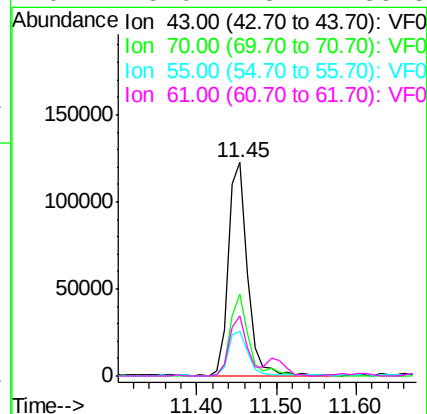
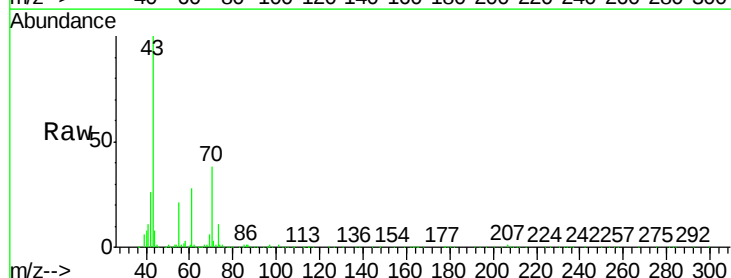
Ion Ratio Lower Upper

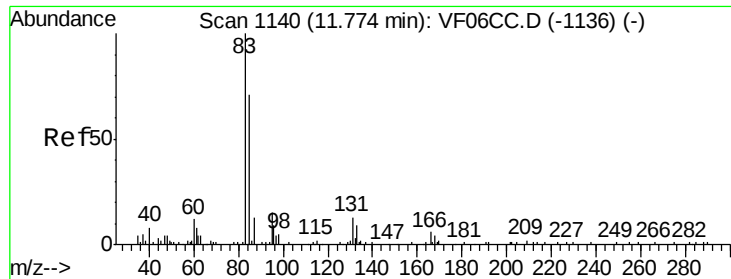
43 100

70 38.3 32.9 49.3

55 21.1 17.3 25.9

61 28.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.660 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

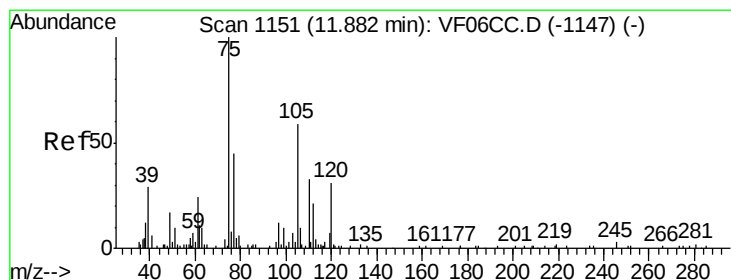
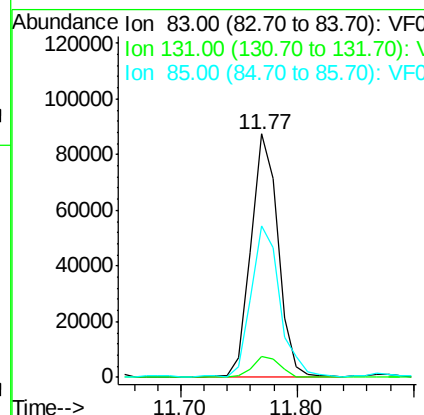
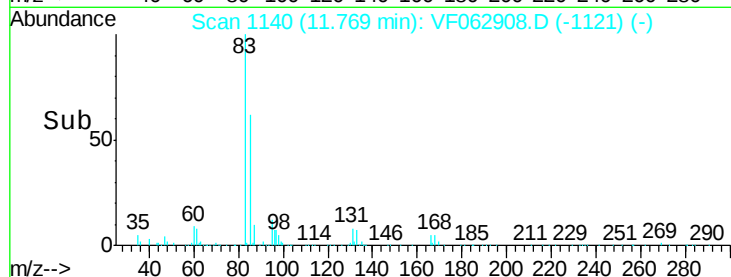
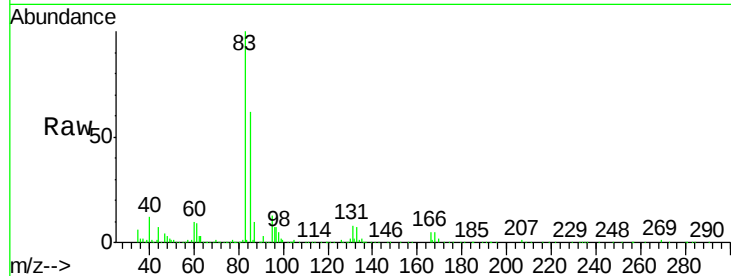
ClientSampleId :

VF0610SBS01

Tot Ion:	83	Resp:	141618
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.9	14.7
85	62.1	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.635 ug/l

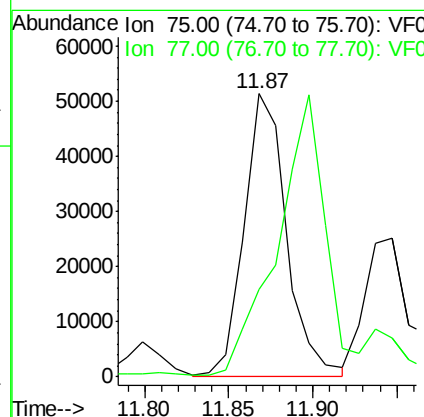
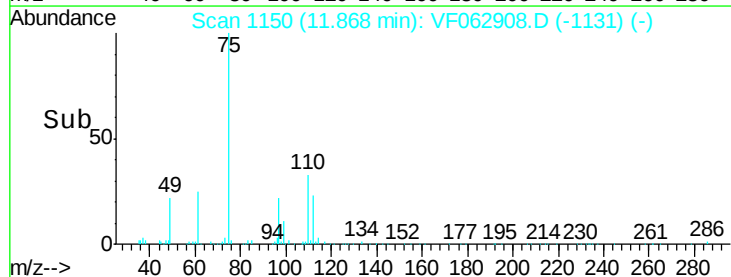
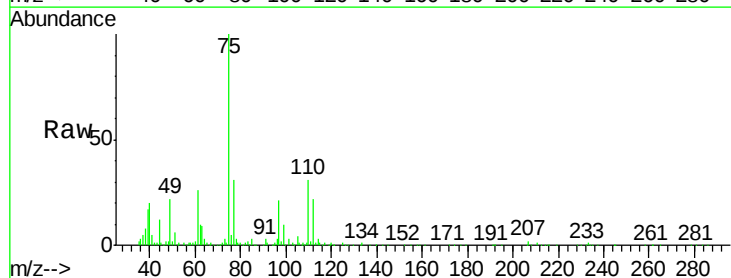
RT: 11.87 min Scan# 1150

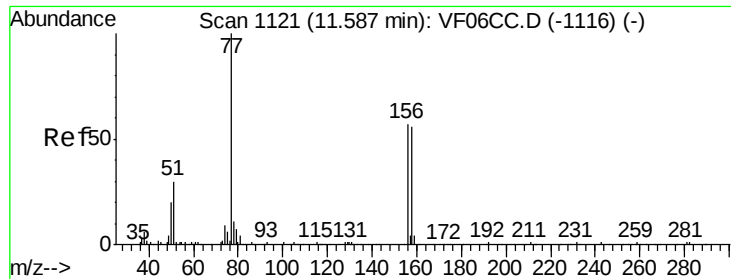
Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	75	Resp:	89213
Ion Ratio	Lower	Upper	
75	100		
77	30.9	20.1	60.2





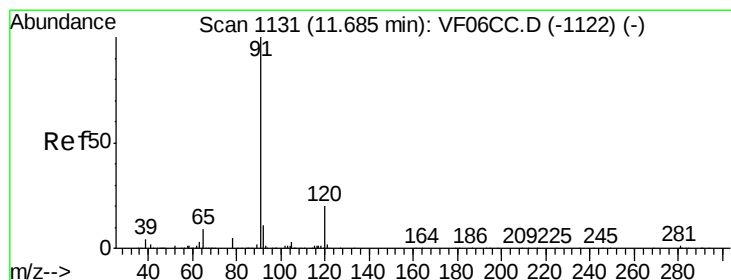
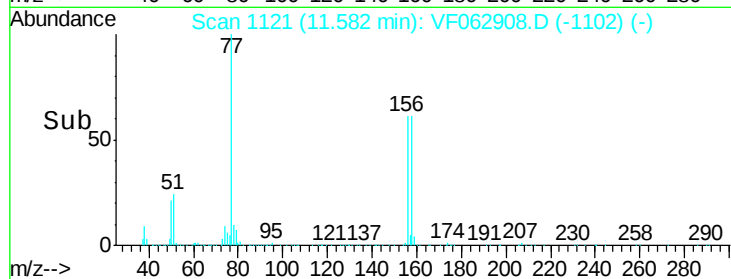
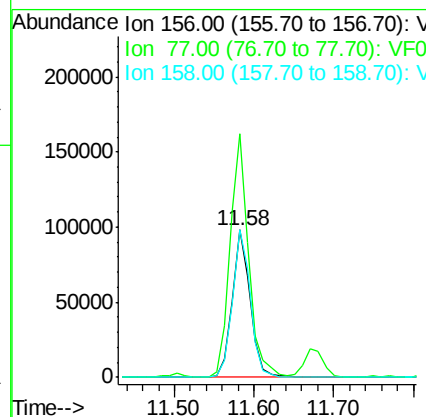
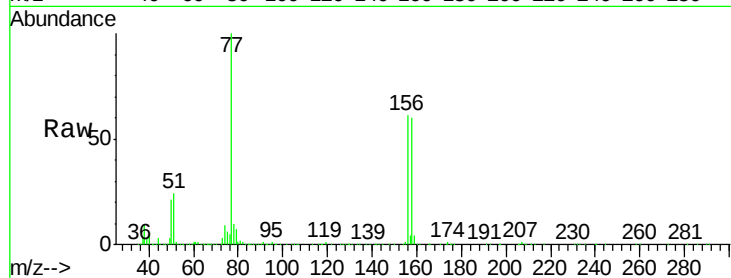
#77
Bromobenzene
Concen: 19.327 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.1	64.2	192.6
158	99.7	50.3	151.0

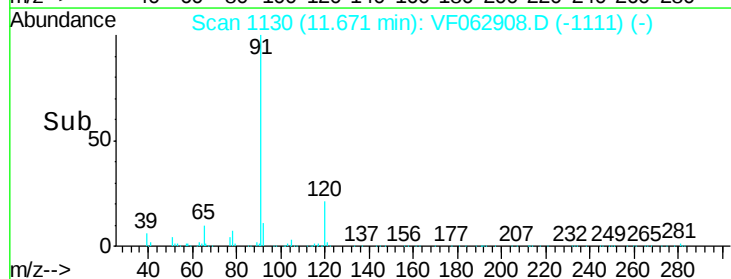
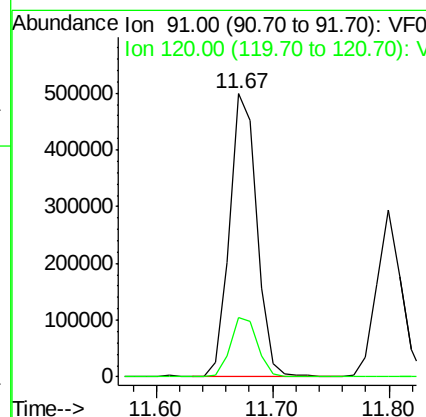
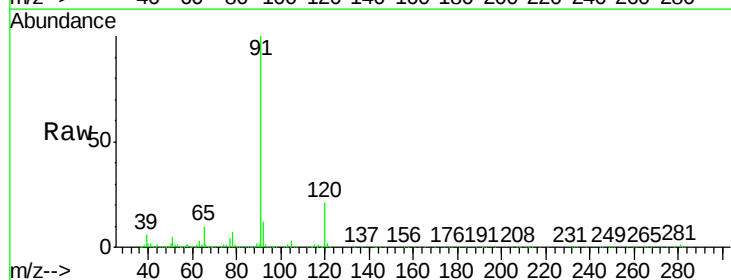
Manual Integrations
APPROVED

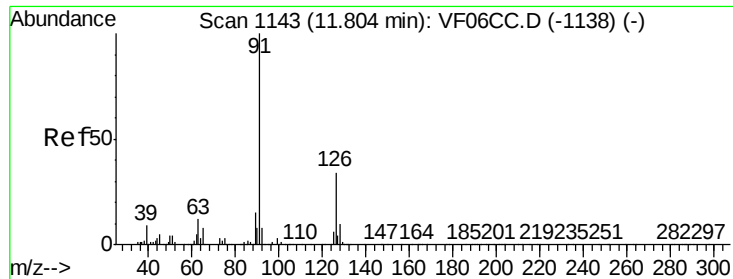
MMDadoda
6/11/2019 2:54:43 PM



#78
n-propylbenzene
Concen: 20.845 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.02 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	12.8	38.4





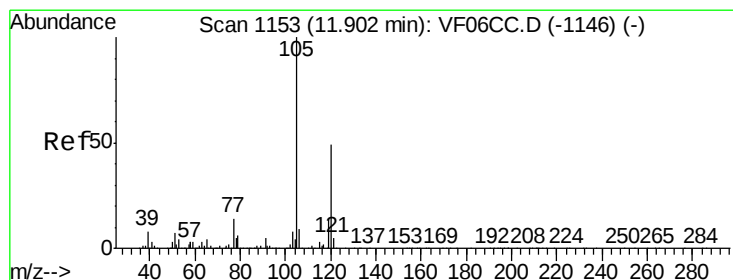
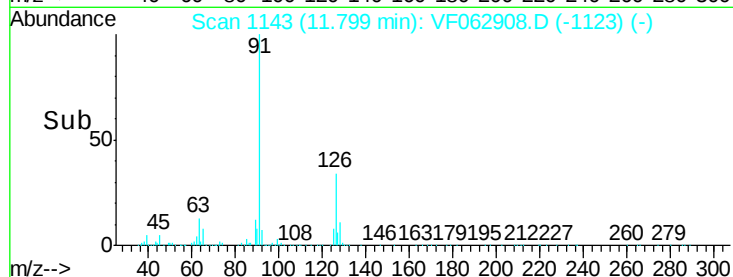
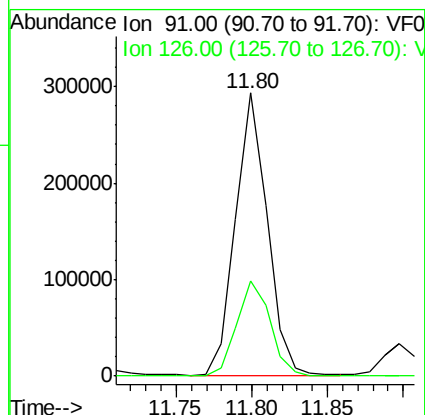
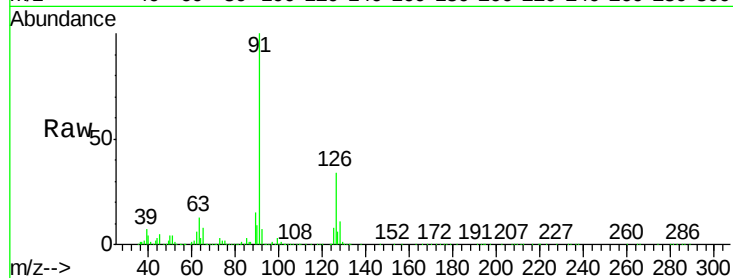
#79
2-Chlorotoluene
Concen: 19.306 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion: 91 Resp: 428122
Ion Ratio Lower Upper
91 100
126 33.8 17.8 53.3

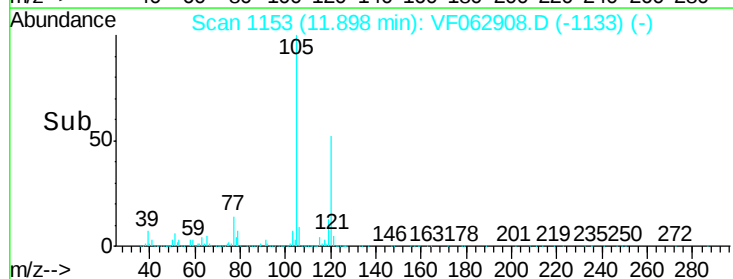
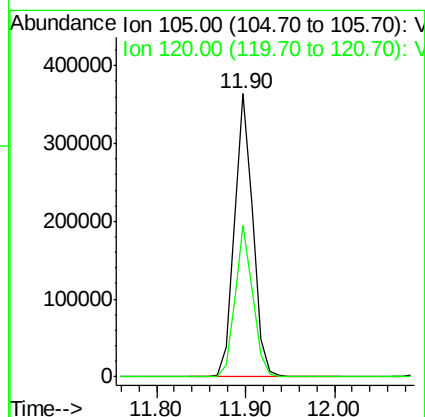
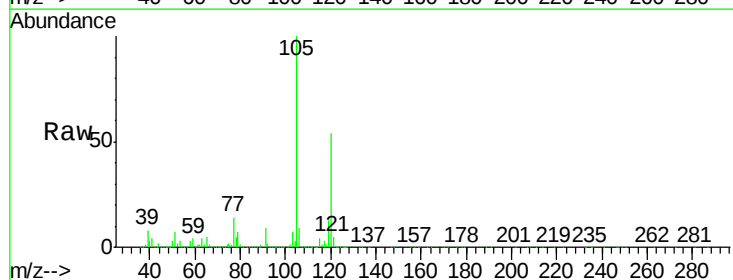
Manual Integrations
APPROVED

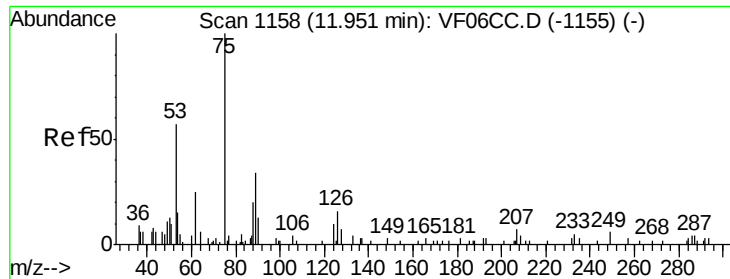
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.316 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion: 105 Resp: 533289
Ion Ratio Lower Upper
105 100
120 53.5 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 23.402 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

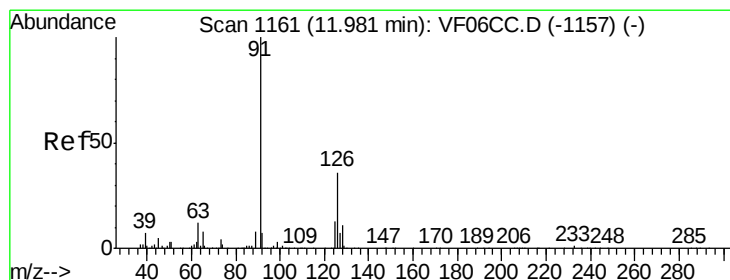
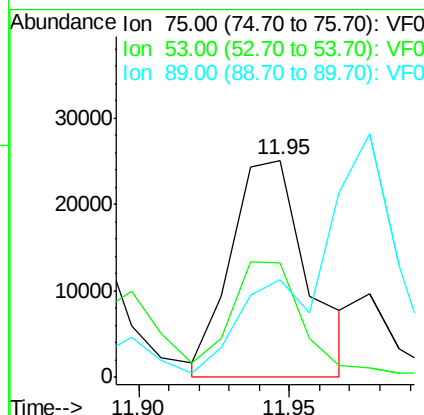
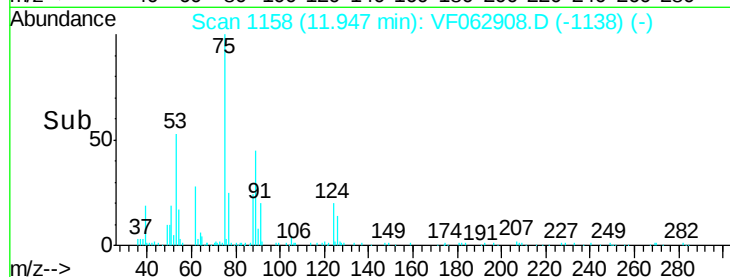
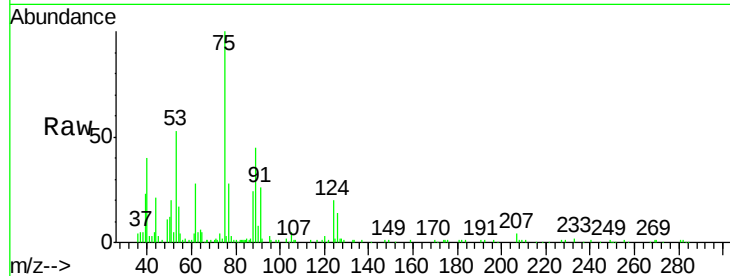
ClientSampleId :

VF0610SBSD01

Tot Ion:	75	Resp:	45017
Ion Ratio	Lower	Upper	
75	100		
53	52.9	43.5	65.3
89	45.0	34.3	51.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.413 ug/l

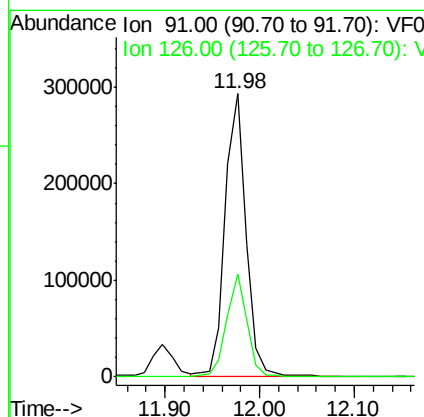
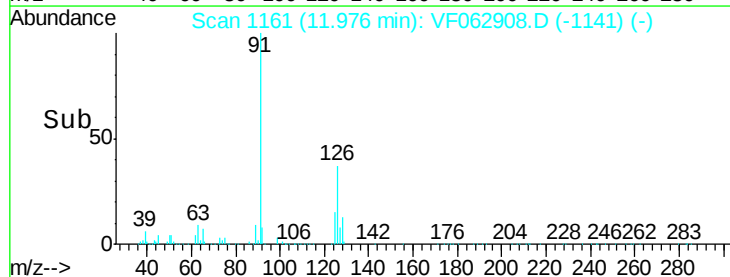
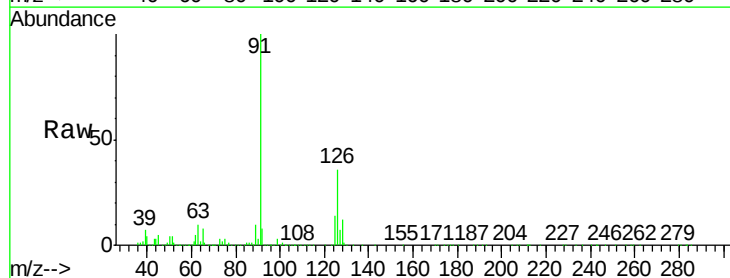
RT: 11.98 min Scan# 1161

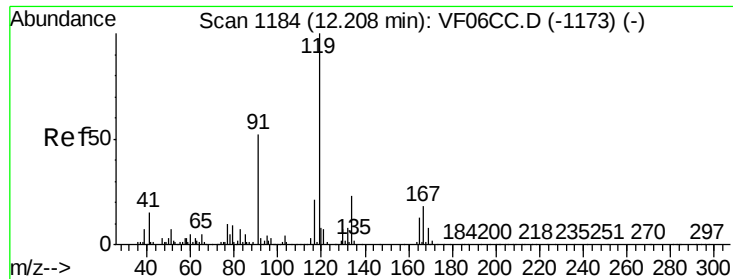
Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Tgt Ion:	91	Resp:	444870
Ion Ratio	Lower	Upper	
91	100		
126	36.2	19.1	57.1





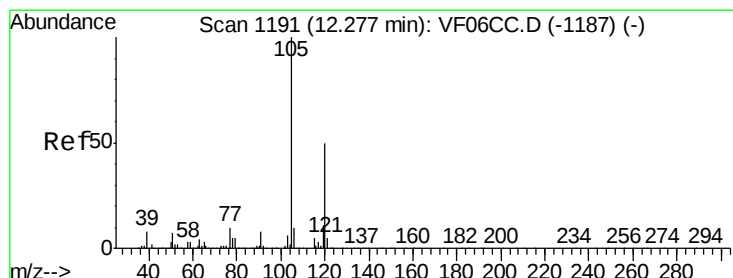
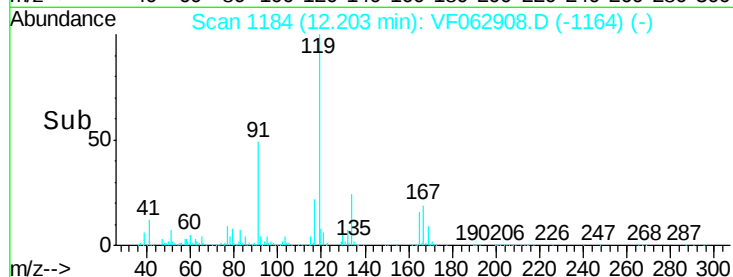
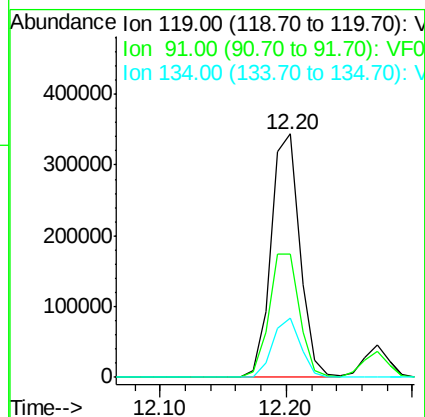
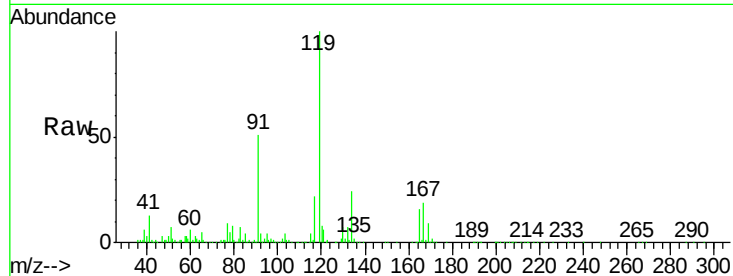
#83
tert-Butylbenzene
Concen: 21.093 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	548625		
91	50.7	28.9	86.7	
134	24.4	14.3	42.9	

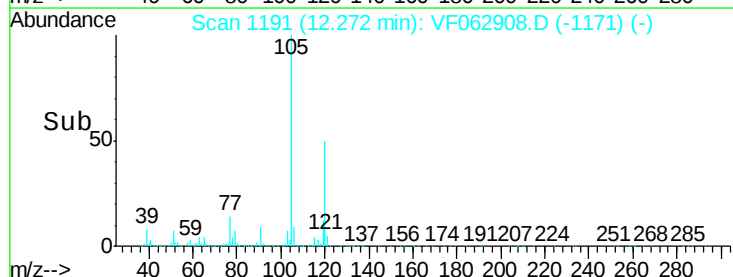
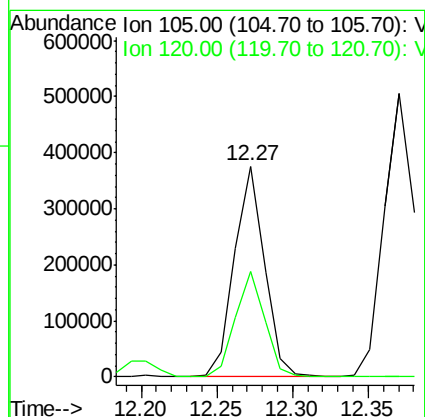
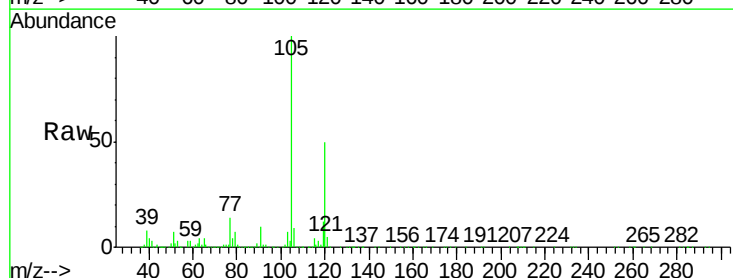
Manual Integrations
APPROVED

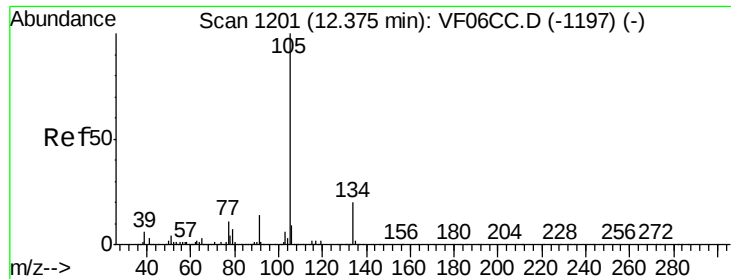
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.820 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	518166		
120	50.0	27.1	81.3	





#85

sec-Butylbenzene

Concen: 21.183 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

Instrument :

MSVOA_F

ClientSampleId :

VF0610SBS01

Tot Ion:105 Resp: 725999

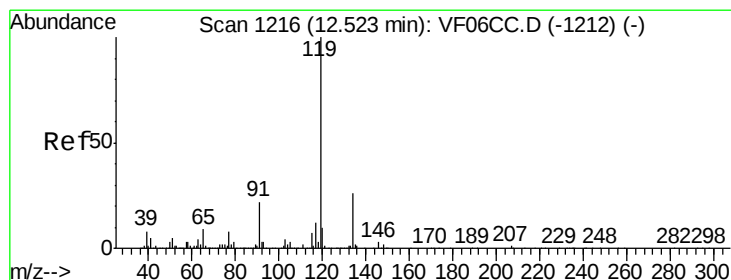
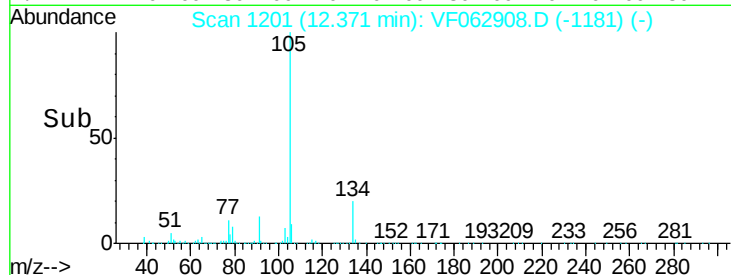
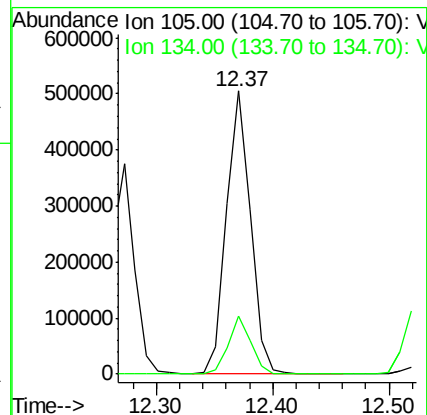
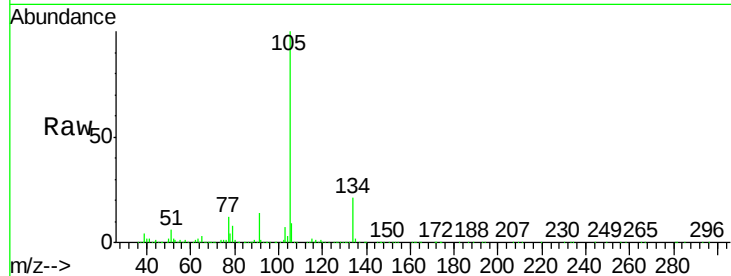
Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.111 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062908.D

Acq: 10 Jun 2019 16:05

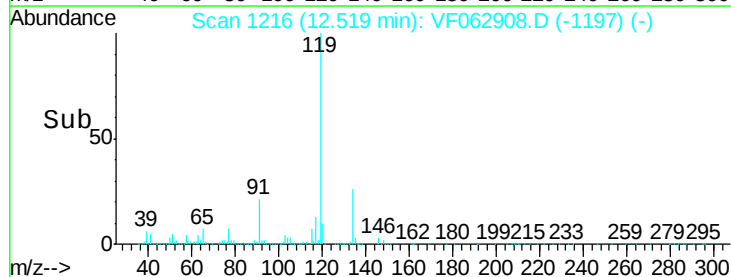
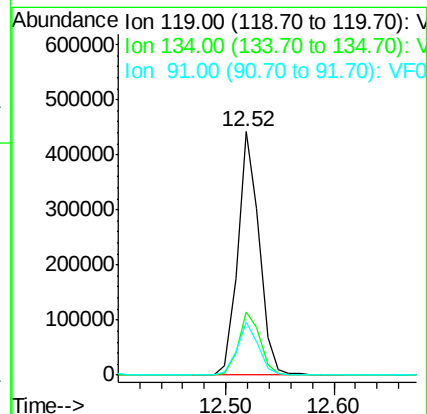
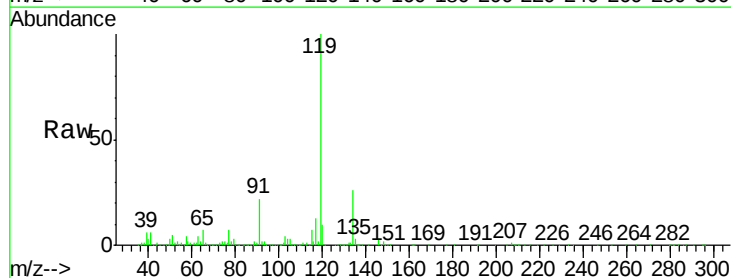
Tgt Ion:119 Resp: 602252

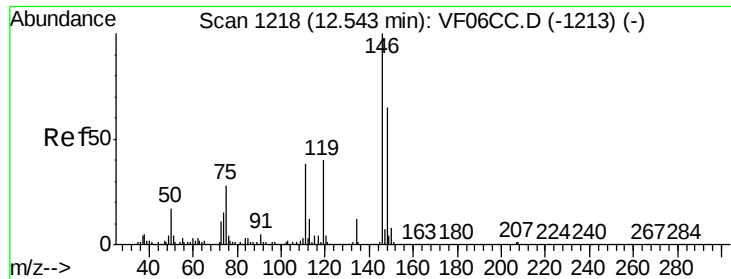
Ion Ratio Lower Upper

119 100

134 25.7 15.5 46.5

91 21.5 10.3 30.9





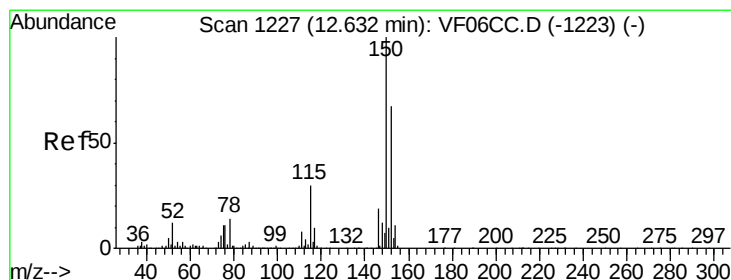
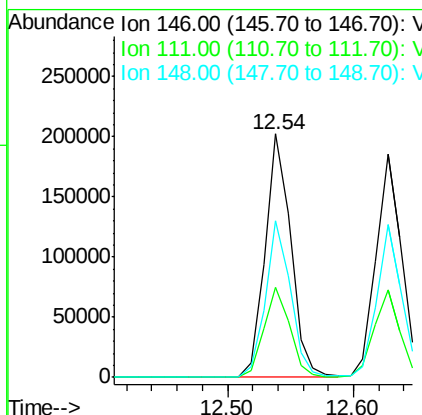
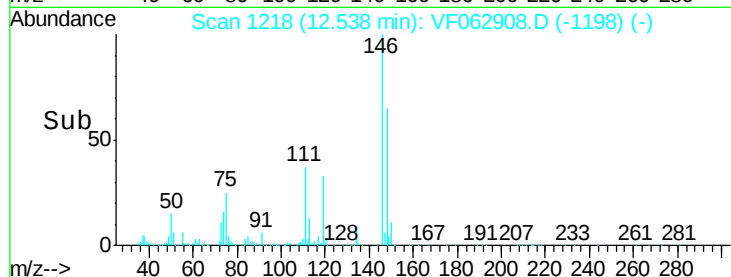
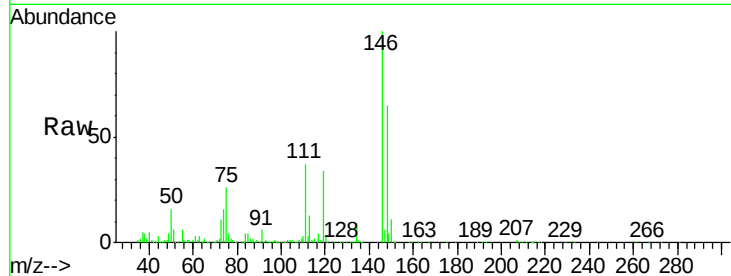
#87
 1,3-Dichlorobenzene
 Concen: 20.312 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.6	58.8
148	64.5	34.2	102.5

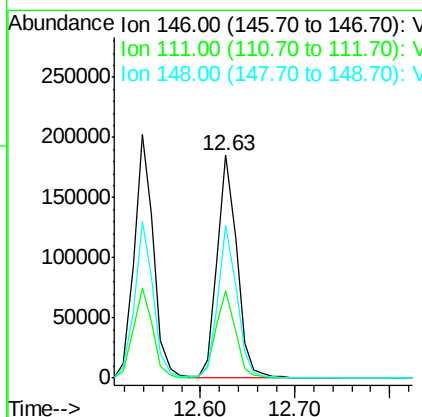
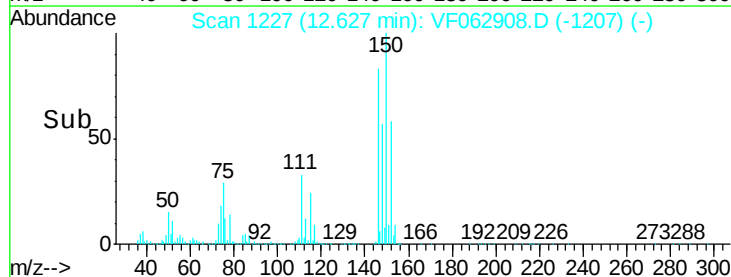
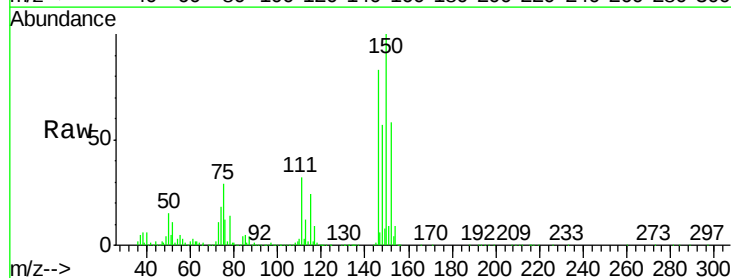
Manual Integrations
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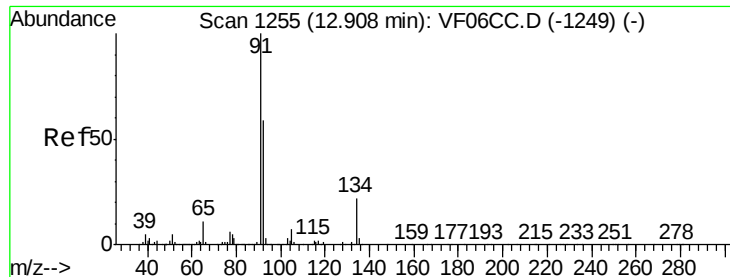
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#88
 1,4-Dichlorobenzene
 Concen: 20.374 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.9
148	68.6	34.0	101.8





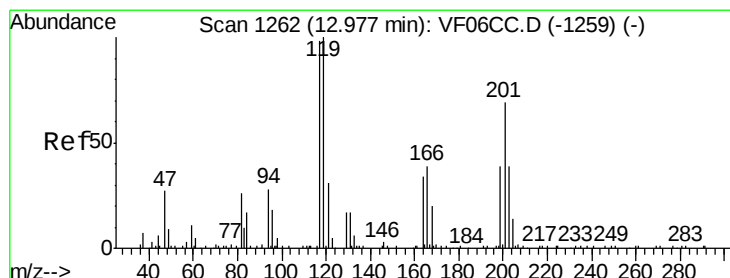
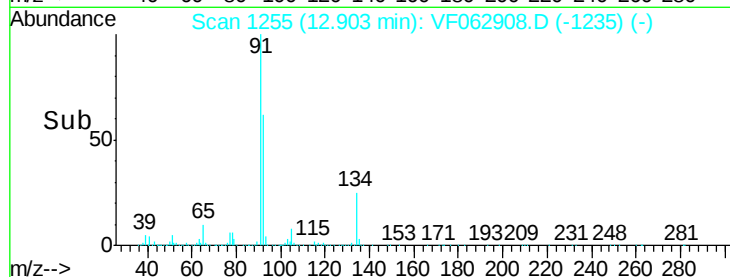
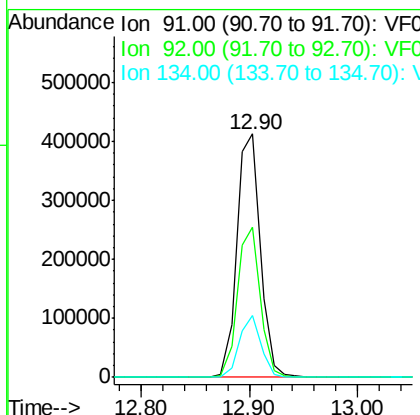
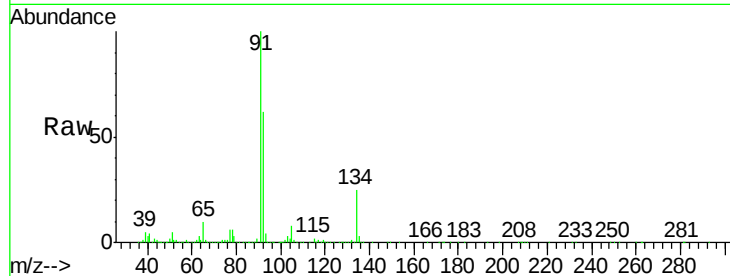
#89
n-Butylbenzene
Concen: 21.666 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	61.8	34.2	102.6	
134	25.2	15.8	47.3	

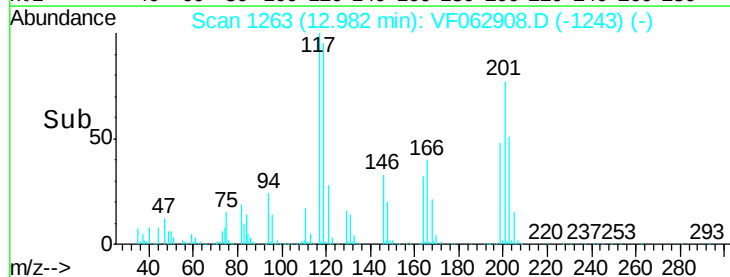
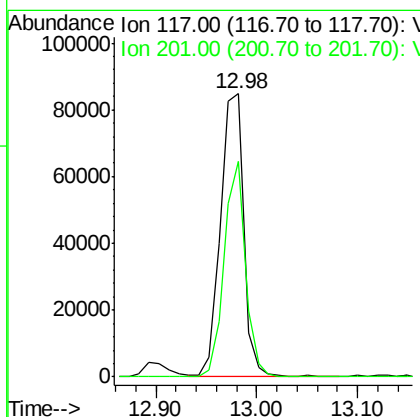
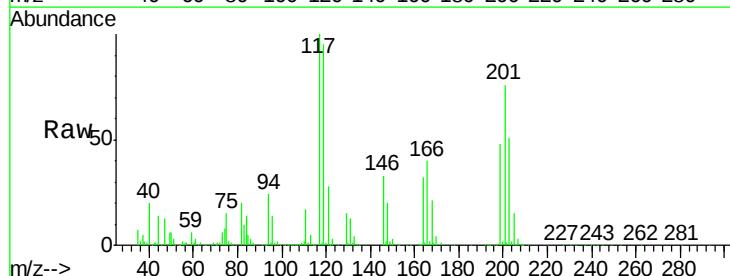
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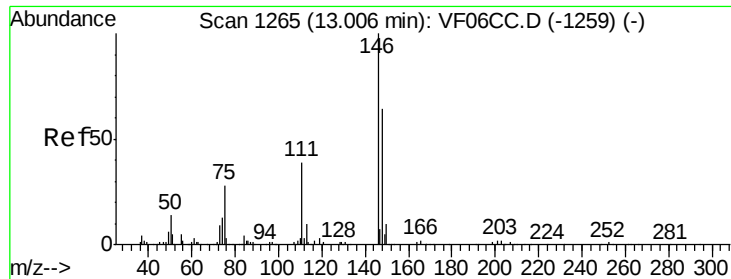
MMDadoda
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#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	77.3	38.9	116.7	





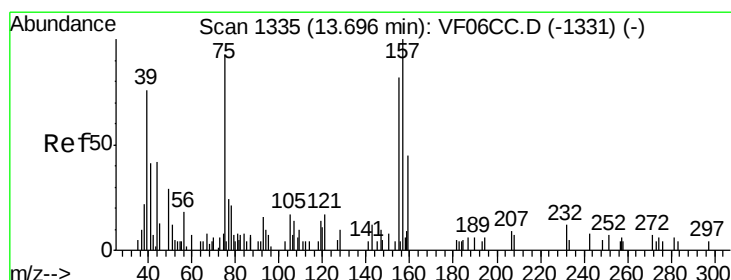
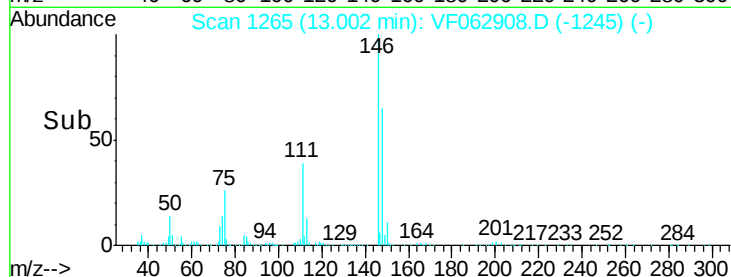
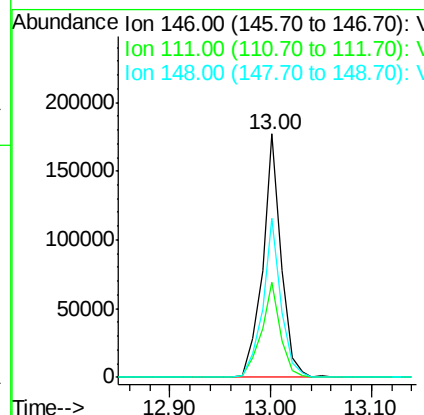
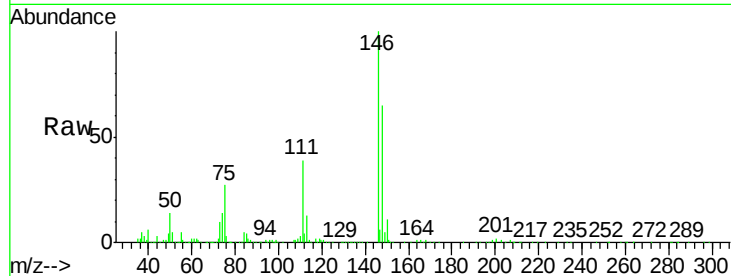
#91
 1,2-Dichlorobenzene
 Concen: 18.072 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	225925		
111	39.1	20.4	61.3	
148	65.3	34.1	102.3	

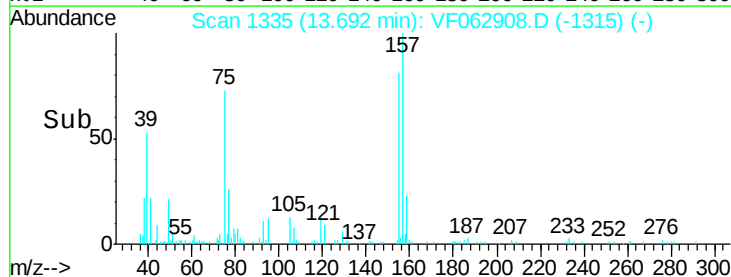
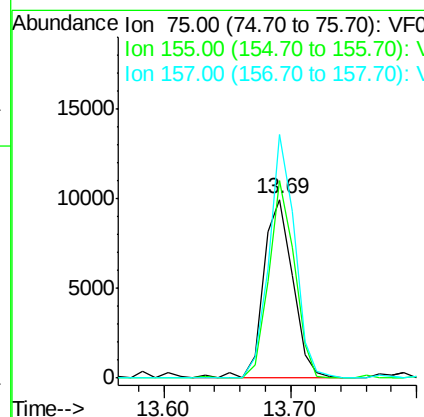
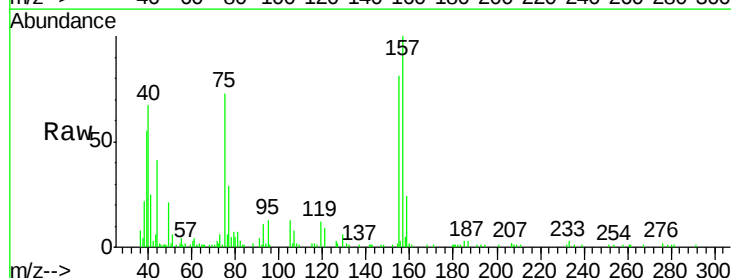
Manual Integrations
 APPROVED

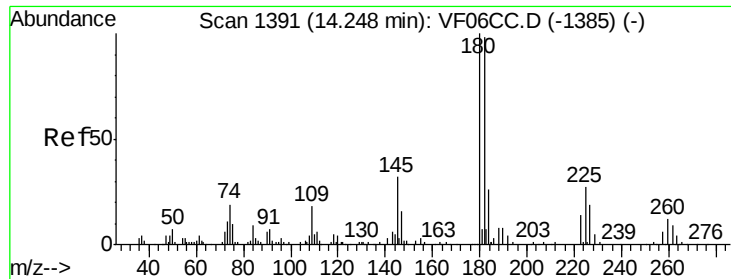
MMDadoda
 6/11/2019 2:54:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.577 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VF062908.D
 Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16113		
155	110.3	51.7	155.1	
157	136.3	66.8	200.6	





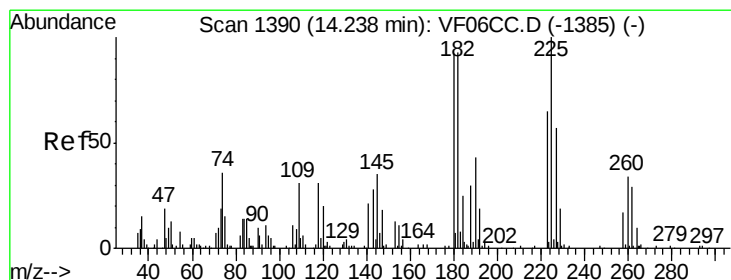
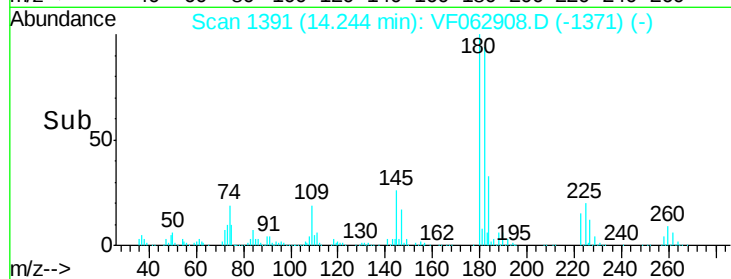
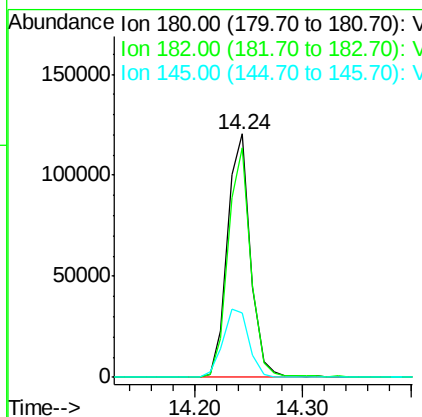
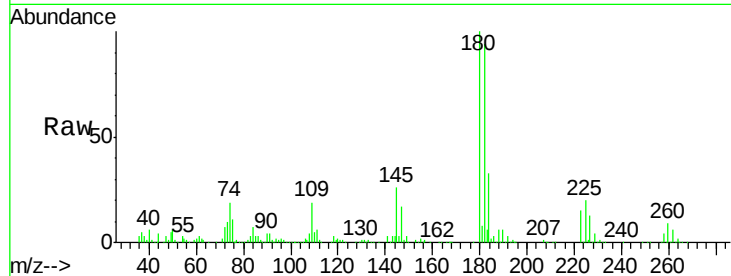
#93
1,2,4-Trichlorobenzene
Concen: 20.921 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179583		
182	94.3	50.3	150.9	
145	26.2	15.4	46.2	

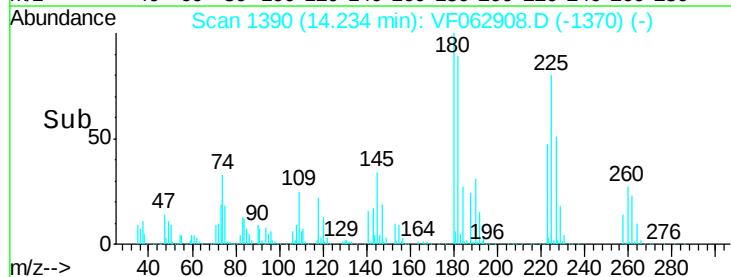
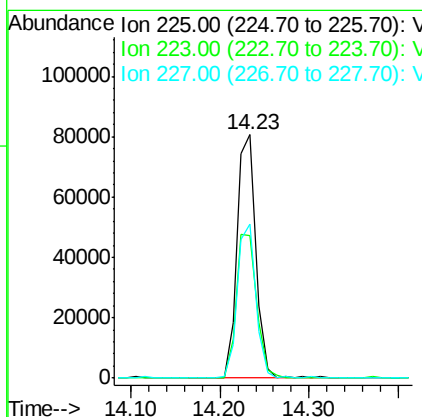
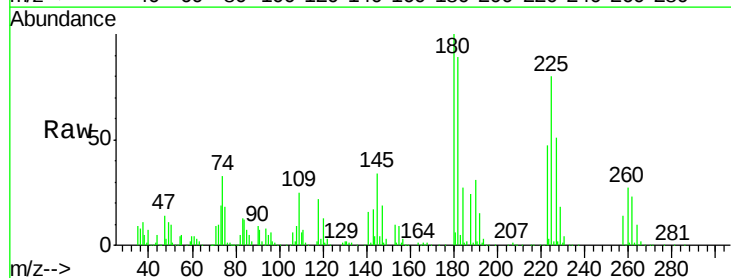
Manual Integrations
APPROVED

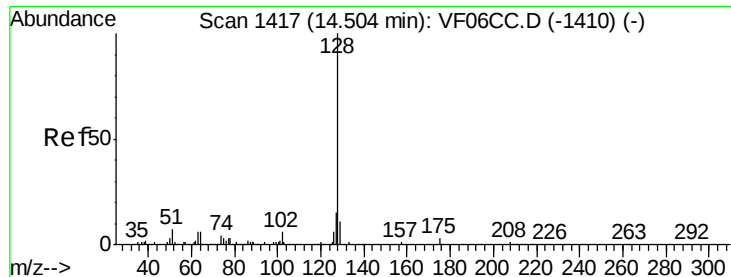
MMDadoda
6/11/2019 2:54:43 PM



#94
Hexachlorobutadiene
Concen: 20.160 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119715		
223	58.4	30.8	92.4	
227	63.4	31.9	95.5	





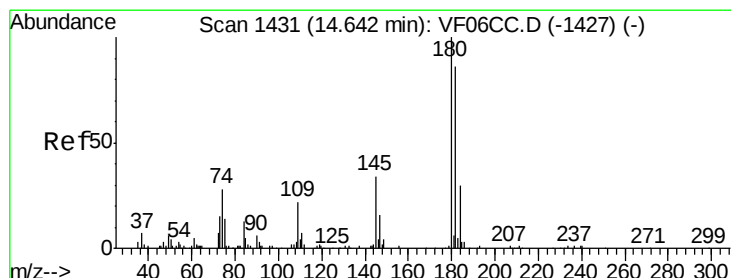
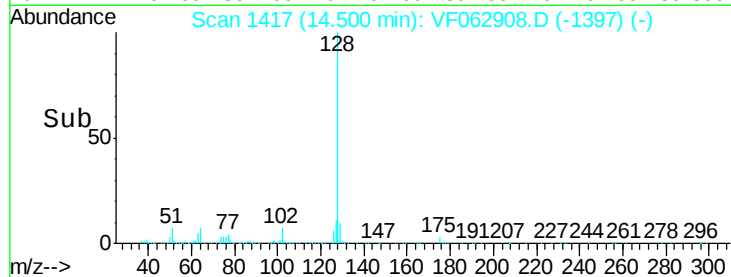
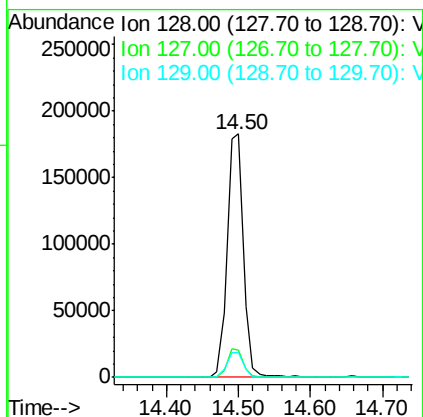
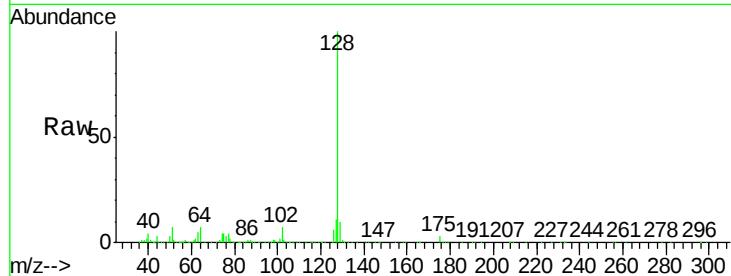
#95
Naphthalene
Concen: 20.451 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Instrument :
MSVOA_F
ClientSampleId :
VF0610SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	287593		
127	11.1		9.7	14.5
129	10.1		9.4	14.2

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:54:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.490 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062908.D
Acq: 10 Jun 2019 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152709		
182	98.3		48.6	145.9
145	31.2		15.7	47.0

