

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062630.D
 Acq On : 17 May 2019 10:03
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 5/20/2019 2:51:46 PM

Quant Time: May 18 01:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	810008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1298073	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1003084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	523727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	281631	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	4.32	113	504414	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	7.72	98	1248603	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.50	95	459995	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	494848	44.892	ug/l	96
3) Chloromethane	1.15	50	478942	47.187	ug/l	98
4) Vinyl Chloride	1.20	62	456071	48.815	ug/l	99
5) Bromomethane	1.41	94	263656	51.585	ug/l	90
6) Chloroethane	1.45	64	181108	52.781	ug/l	96
7) Trichlorofluoromethane	1.55	101	583913	46.547	ug/l	98
8) Diethyl Ether	1.72	74	116957	47.062	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.93	101	382929	47.939	ug/l	95
10) Methyl Iodide	2.00	142	722905m	46.070	ug/l	
11) Tert butyl alcohol	2.71	59	86487	228.864	ug/l	98
12) 1,1-Dichloroethene	1.89	96	362087	49.761	ug/l	95
13) Acrolein	2.10	56	98129	248.761	ug/l	99
14) Allyl chloride	2.20	41	343771	52.200	ug/l	99
15) Acrylonitrile	3.10	53	386842	362.897	ug/l #	92
16) Acetone	2.35	43	382679	257.702	ug/l	96
17) Carbon Disulfide	1.93	76	1120549m	51.956	ug/l	
18) Methyl Acetate	2.47	43	105247	45.102	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	626640	48.174	ug/l	98
20) Methylene Chloride	2.35	84	331853m	44.584	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	343250	48.262	ug/l	95
22) Diisopropyl ether	2.95	45	795264	48.961	ug/l	97
23) Vinyl Acetate	3.36	43	2566172	234.205	ug/l	99
24) 1,1-Dichloroethane	3.02	63	588293	49.371	ug/l	99
25) 2-Butanone	4.54	43	768129	242.111	ug/l	100
26) 2,2-Dichloropropane	3.79	77	350106	51.352	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	576772	49.301	ug/l	96
28) Bromochloromethane	3.92	49	303265	45.379	ug/l	95
29) Tetrahydrofuran	4.27	42	306595	238.809	ug/l	98
30) Chloroform	4.07	83	787495	47.601	ug/l	96
31) Cyclohexane	3.89	56	774267	48.394	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	541721	49.305	ug/l	98
36) 1,1-Dichloropropene	4.49	75	653095	49.100	ug/l	99
37) Ethyl Acetate	4.32	43	244051	44.937	ug/l #	74
38) Carbon Tetrachloride	4.19	117	460565	46.040	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	848470	53.014	ug/l	97
40) Benzene	4.83	78	1768570	48.807	ug/l	99
41) Methacrylonitrile	4.94	41	134910	47.382	ug/l	97
42) 1,2-Dichloroethane	5.14	62	348564	48.237	ug/l	94
43) Isopropyl Acetate	7.12	43	303028	43.068	ug/l #	99
44) Trichloroethene	5.70	130	509125	49.991	ug/l	92
45) 1,2-Dichloropropane	6.42	63	442822	48.410	ug/l	98
46) Dibromomethane	6.27	93	267637	50.627	ug/l	97
47) Bromodichloromethane	6.57	83	545584	49.713	ug/l	98
48) Methyl methacrylate	6.88	41	180627	49.116	ug/l	97
49) 1,4-Dioxane	6.87	88	45778	971.888	ug/l	98
51) 4-Methyl-2-Pentanone	8.41	43	1088615	226.354	ug/l	97
52) Toluene	7.79	92	954449	50.224	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	446771	49.759	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	627022	49.888	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	272857	48.492	ug/l	96
56) Ethyl methacrylate	8.77	69	296486	44.228	ug/l	98
57) 1,3-Dichloropropane	9.00	76	458656	47.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	547274	250.809	ug/l	95
59) 2-Hexanone	9.64	43	781665	249.797	ug/l	99
60) Dibromochloromethane	8.88	129	353010	48.136	ug/l	100
61) 1,2-Dibromoethane	9.14	107	289131	48.378	ug/l	95
64) Tetrachloroethene	8.31	164	380826	47.923	ug/l	98
65) Chlorobenzene	9.94	112	970192	49.244	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	401313	50.741	ug/l	97
67) Ethyl Benzene	10.04	91	1673900	48.907	ug/l	99
68) m/p-Xylenes	10.27	106	1247957	97.015	ug/l	95
69) o-Xylene	10.83	106	648729	48.962	ug/l	97
70) Styrene	10.90	104	927406	46.051	ug/l	99
71) Bromoform	10.89	173	192474	48.590	ug/l #	99
73) Isopropylbenzene	11.22	105	1732828	46.164	ug/l	100
74) N-amyl acetate	11.46	43	420007	43.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	349821	45.603	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	226584	44.954	ug/l	89
77) Bromobenzene	11.59	156	432928	46.400	ug/l	97
78) n-propylbenzene	11.68	91	2020876	45.492	ug/l	95
79) 2-Chlorotoluene	11.80	91	1187891	47.449	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1456684	48.397	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	102396m	45.703	ug/l	
82) 4-Chlorotoluene	11.98	91	1170271	47.402	ug/l	99
83) tert-Butylbenzene	12.21	119	1438986	47.124	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	1325473	45.500	ug/l	97
85) sec-Butylbenzene	12.38	105	1898155	46.319	ug/l	100
86) p-Isopropyltoluene	12.52	119	1662646	48.142	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	795582	47.130	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	764550	48.264	ug/l	98
89) n-Butylbenzene	12.91	91	1503871	44.165	ug/l	99
90) Hexachloroethane	12.98	117	397614	47.993	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	701533	46.622	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	47961	52.409	ug/l	96

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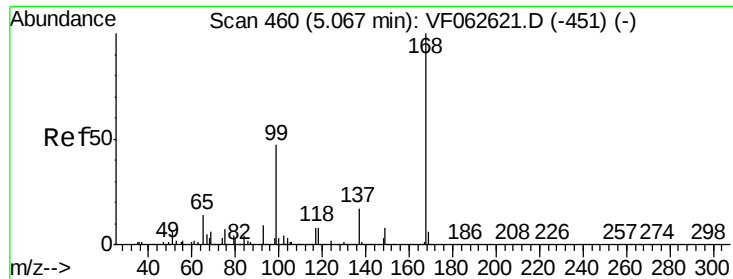
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	508337	47.196	ug/l	97
94) Hexachlorobutadiene	14.24	225	378741	50.387	ug/l	92
95) Naphthalene	14.49	128	873021	44.616	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	477552	46.809	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 810008

Ion Ratio Lower Upper

168 100

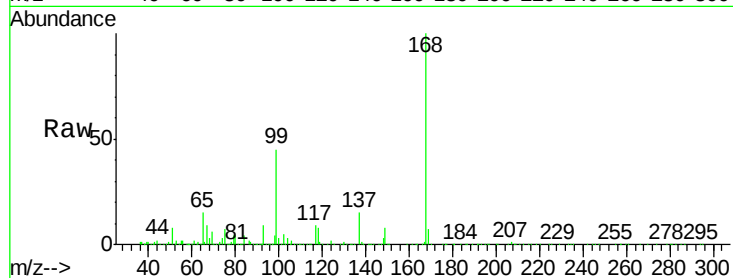
99 44.6 37.8 56.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

150000

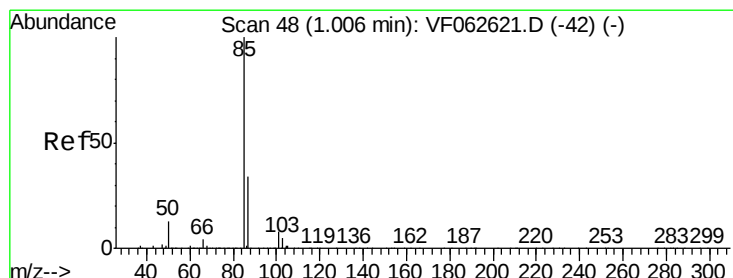
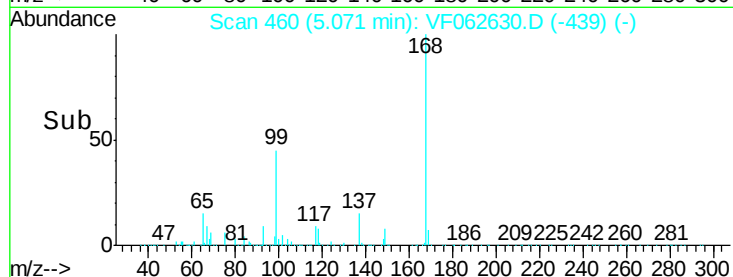
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 44.892 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062630.D

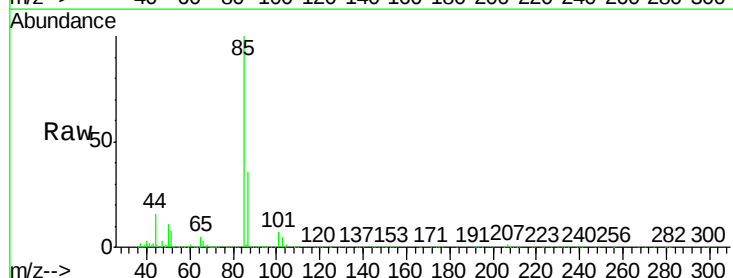
Acq: 17 May 2019 10:03

Tgt Ion: 85 Resp: 494848

Ion Ratio Lower Upper

85 100

87 36.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

150000

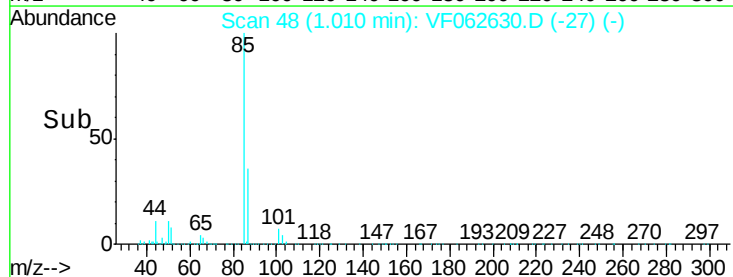
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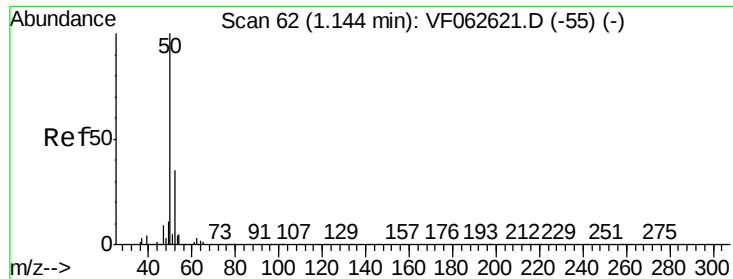
50000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 47.187 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 478942

Ion Ratio Lower Upper

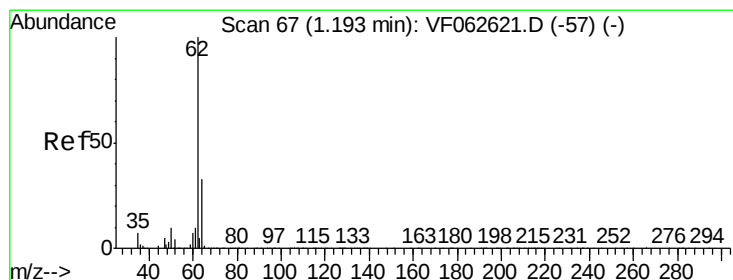
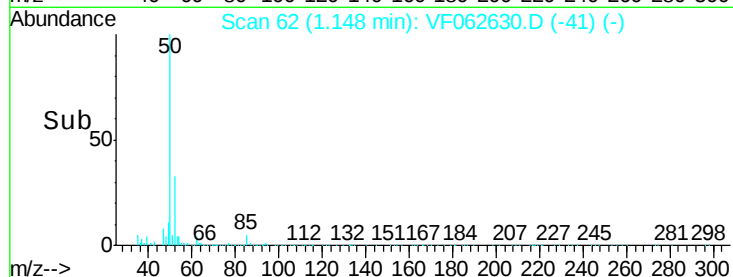
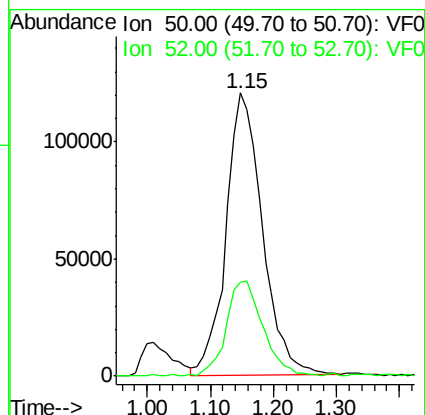
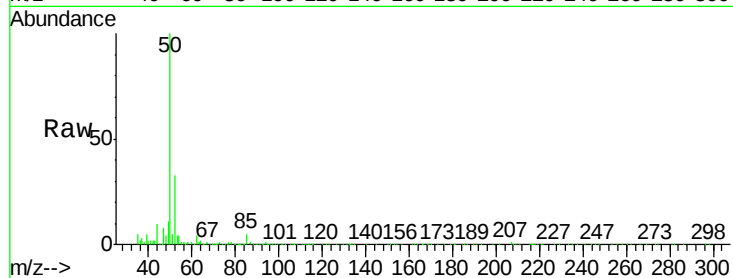
50 100

52 33.3 27.5 41.3

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#4

Vinyl Chloride

Concen: 48.815 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062630.D

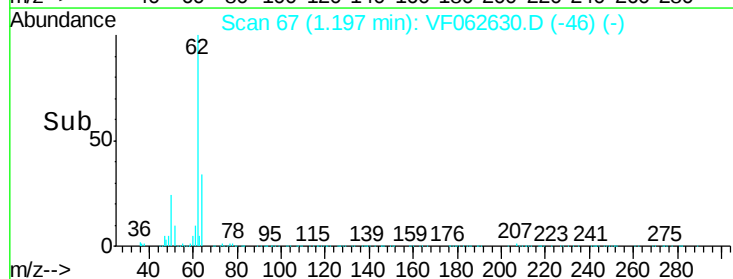
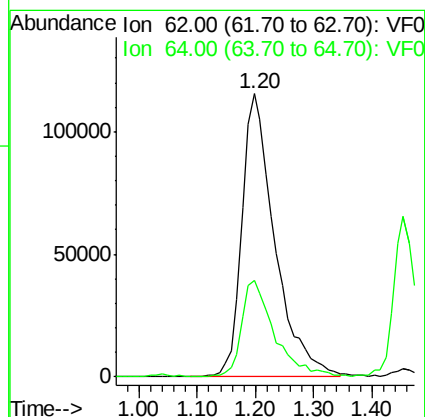
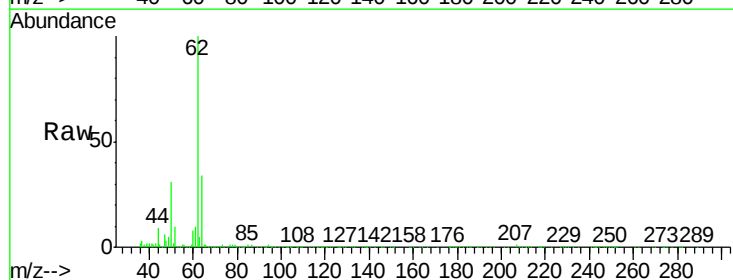
Acq: 17 May 2019 10:03

Tgt Ion: 62 Resp: 456071

Ion Ratio Lower Upper

62 100

64 34.2 26.7 40.1





#5

Bromomethane

Concen: 51.585 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 263656

Ion Ratio Lower Upper

94 100

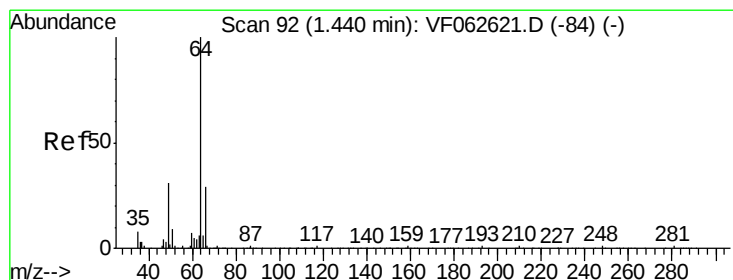
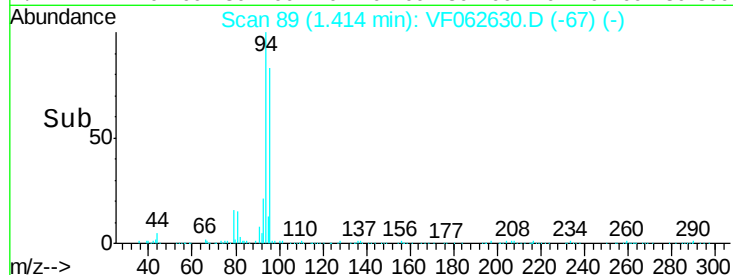
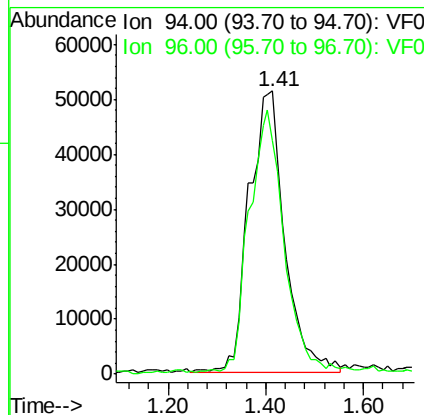
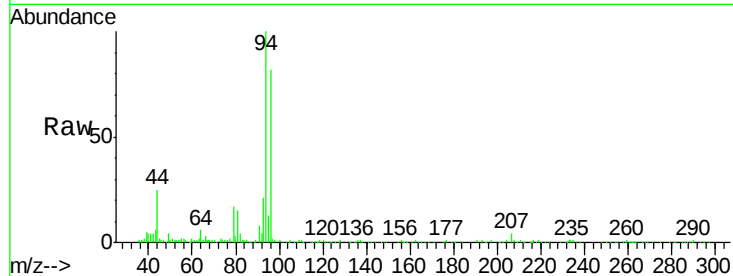
96 82.5 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 52.781 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062630.D

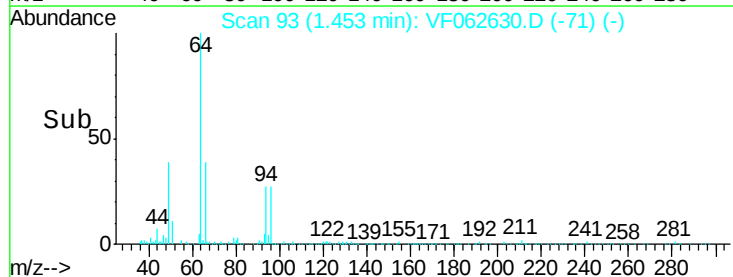
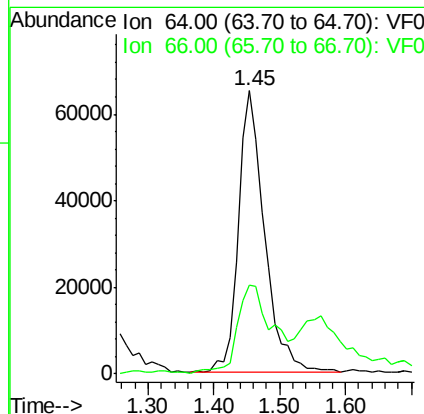
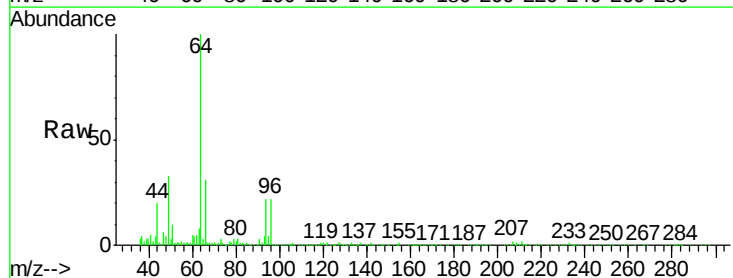
Acq: 17 May 2019 10:03

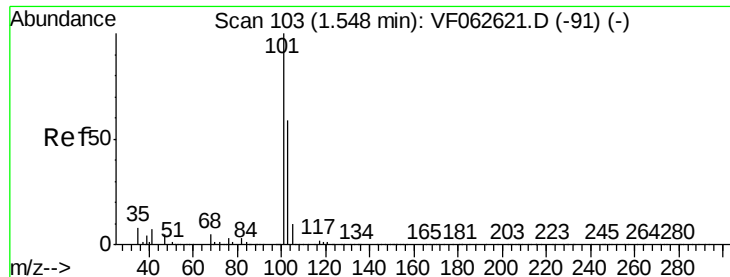
Tgt Ion: 64 Resp: 181108

Ion Ratio Lower Upper

64 100

66 31.3 23.4 35.2





#7

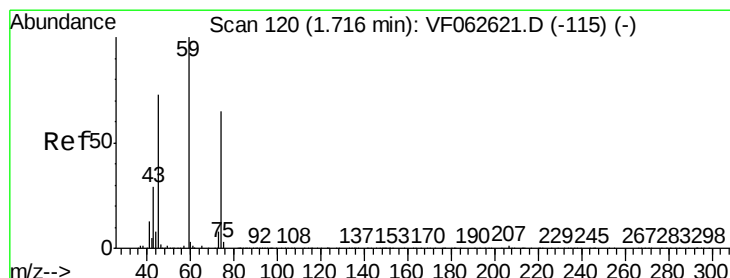
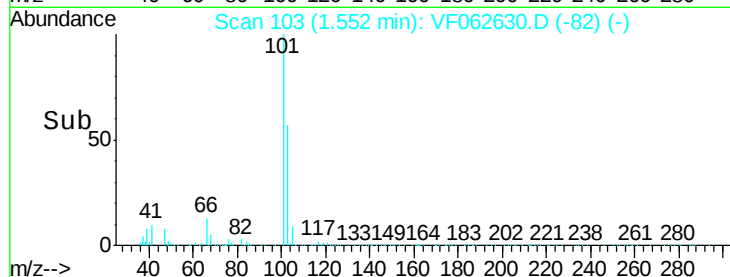
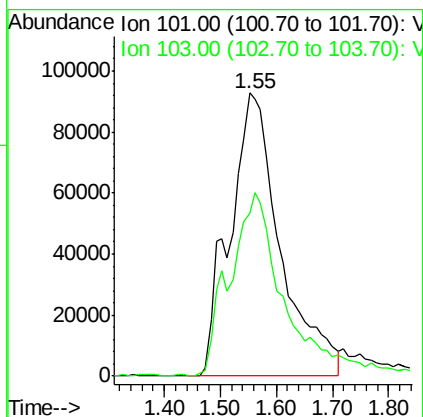
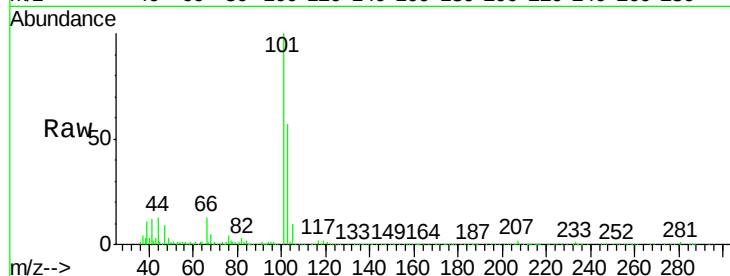
Trichlorofluoromethane
Concen: 46.547 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.5	47.3	70.9

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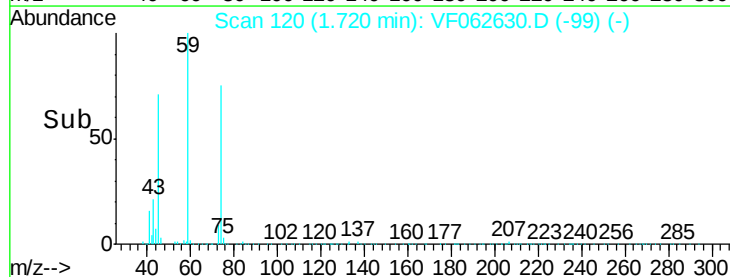
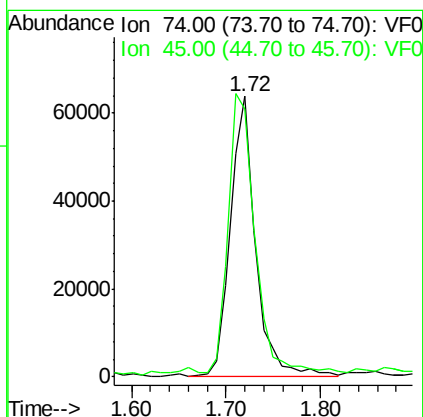
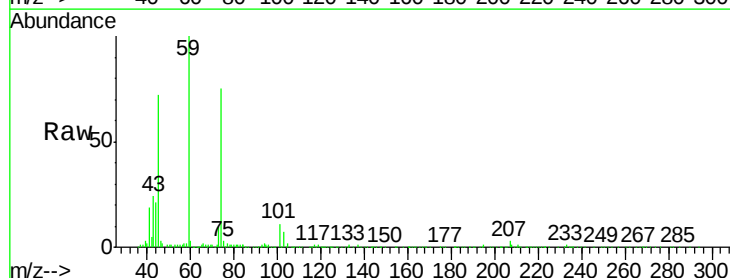
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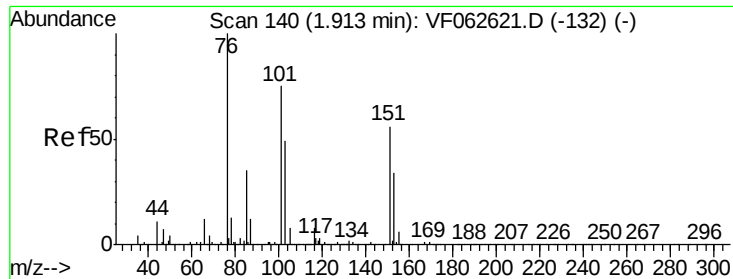


#8

Diethyl Ether
Concen: 47.062 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.939 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

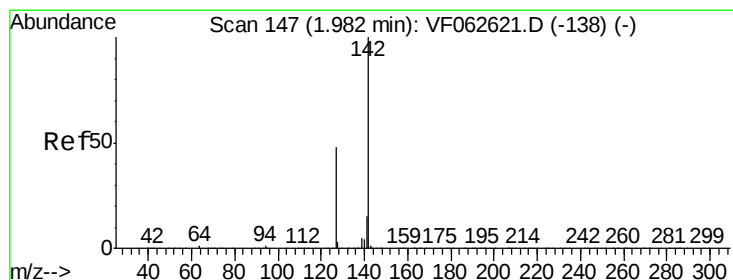
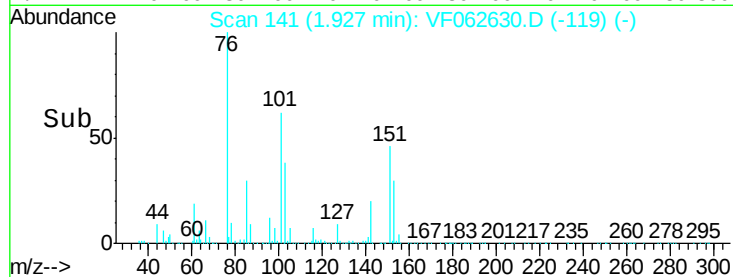
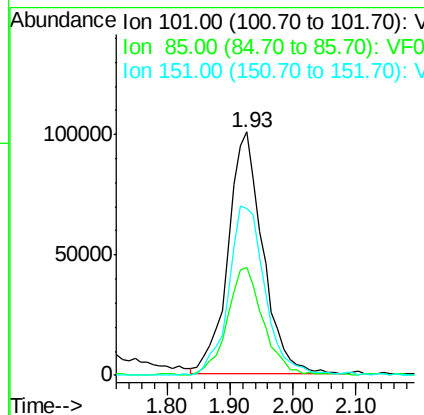
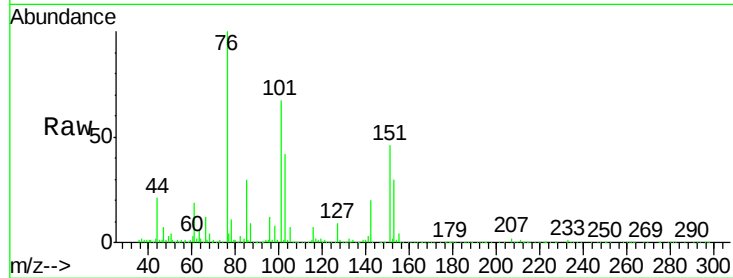
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	382929
Ion Ratio	Lower	Upper	
101	100		
85	44.4	37.1	55.7
151	68.7	58.8	88.2

Manual Integrations
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#10

Methyl Iodide

Concen: 46.070 ug/l m

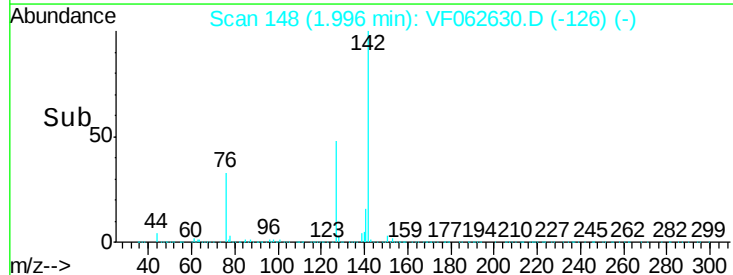
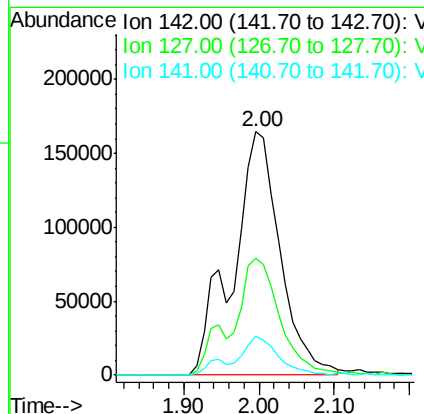
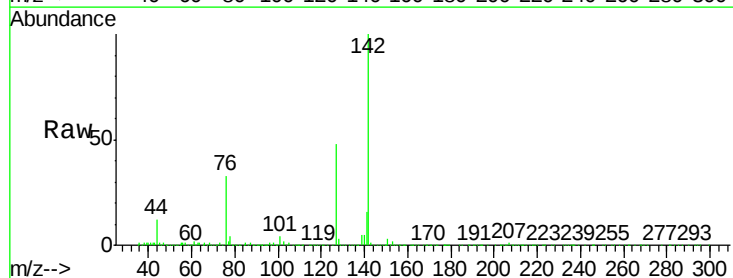
RT: 2.00 min Scan# 148

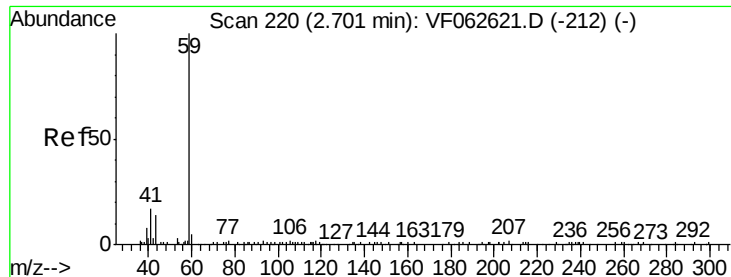
Delta R.T. 0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	142	Resp:	722905
Ion Ratio	Lower	Upper	
142	100		
127	47.9	38.1	57.1
141	15.7	11.7	17.5





#11

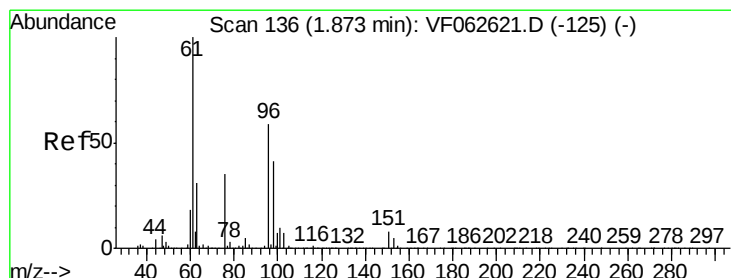
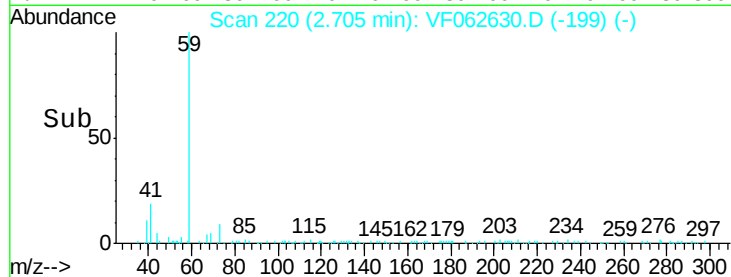
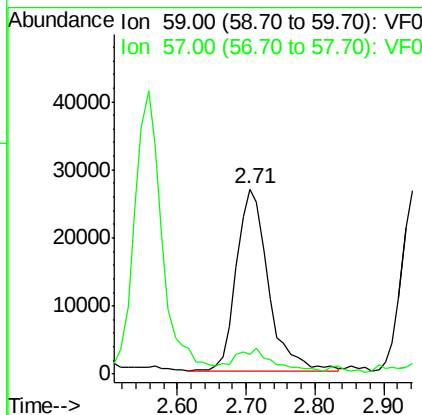
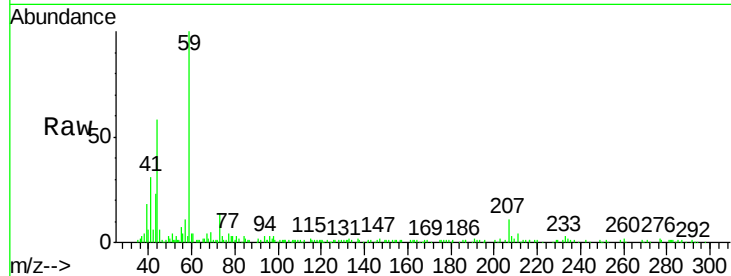
Tert butyl alcohol
Concen: 228.864 ug/l
RT: 2.71 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9

Manual Integrations
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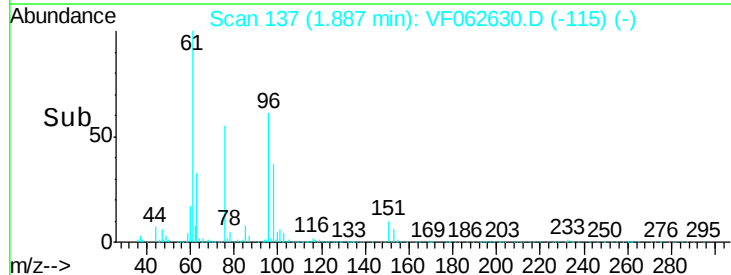
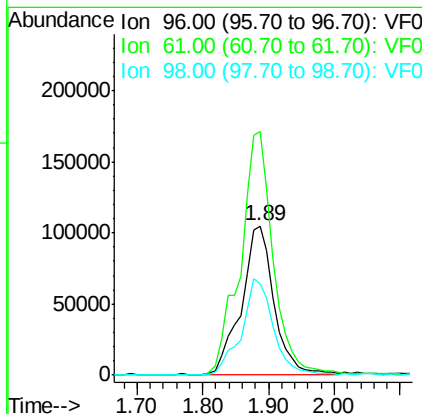
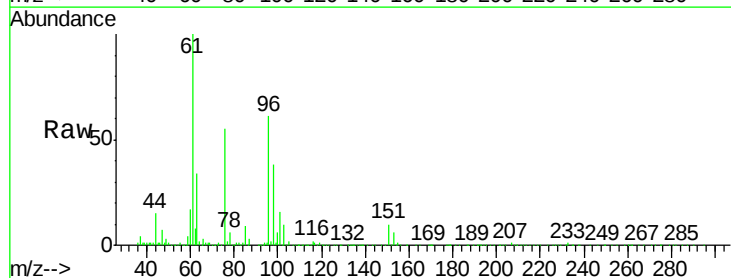
MMDadoda
5/20/2019 2:51:46 PM

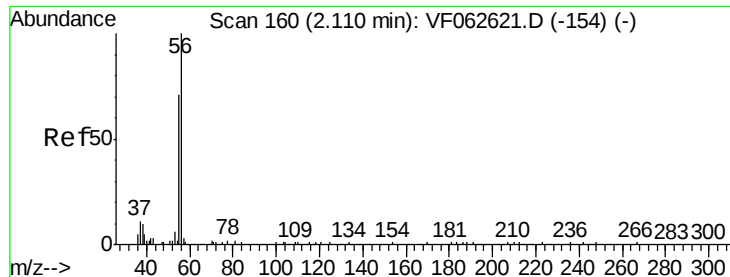


#12

1,1-Dichloroethene
Concen: 49.761 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	134.3	201.5
98	61.3	55.0	82.6





#13

Acrolein

Concen: 248.761 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98129

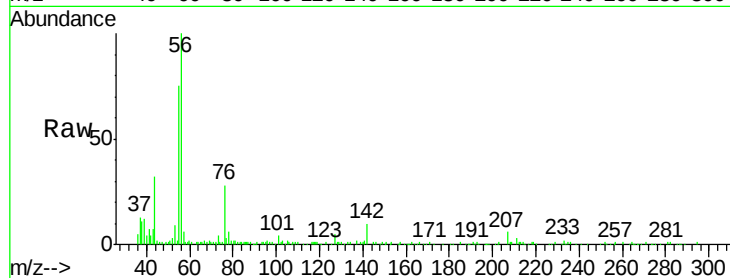
Ion Ratio Lower Upper

56 100

55 75.4 59.4 89.0

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

40000

30000

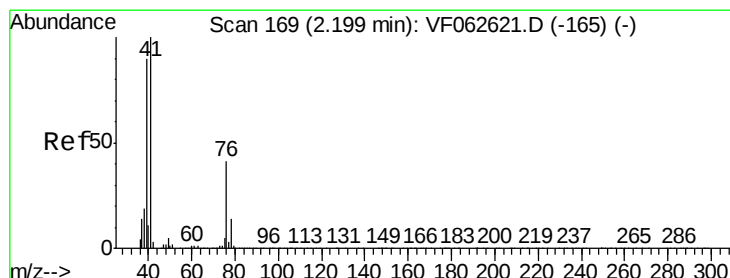
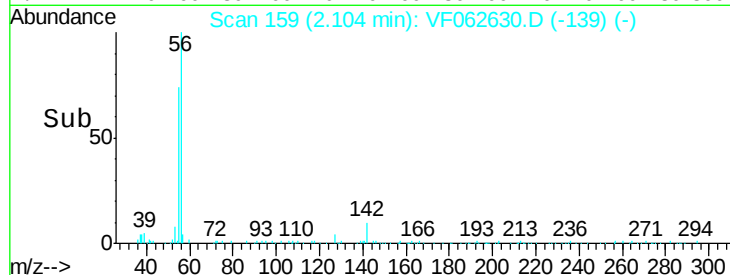
20000

10000

0

Time-->

2.00 2.05 2.10 2.15 2.20



#14

Allyl chloride

Concen: 52.200 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

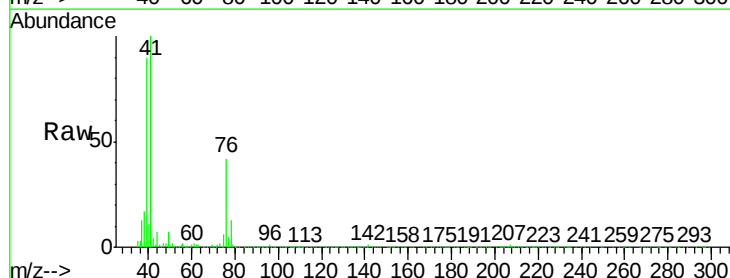
Tgt Ion: 41 Resp: 343771

Ion Ratio Lower Upper

41 100

39 89.9 72.0 108.0

76 42.2 34.8 52.2



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

2.20

200000

150000

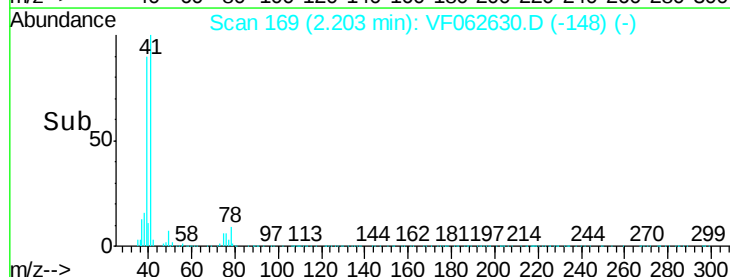
100000

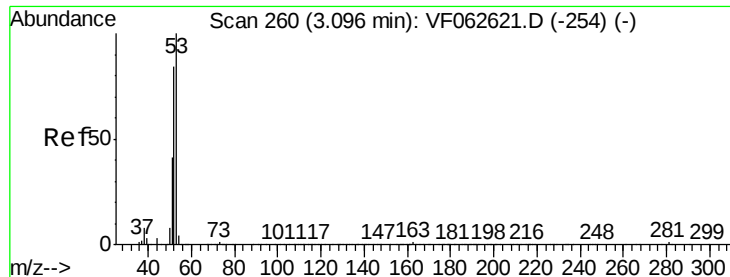
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#15

Acrylonitrile

Concen: 362.897 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

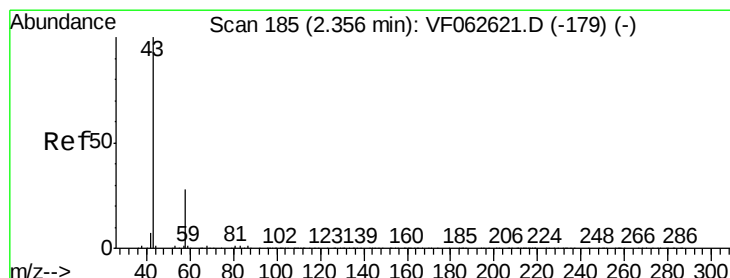
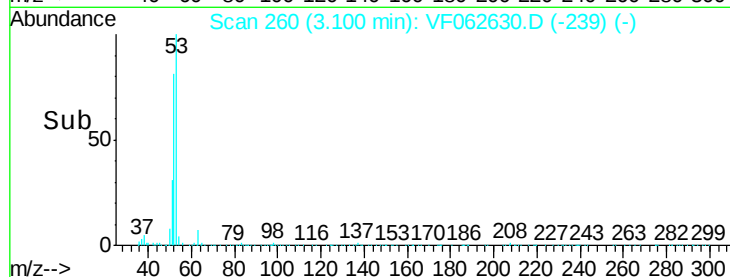
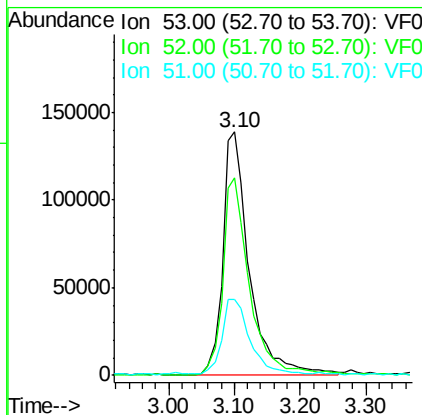
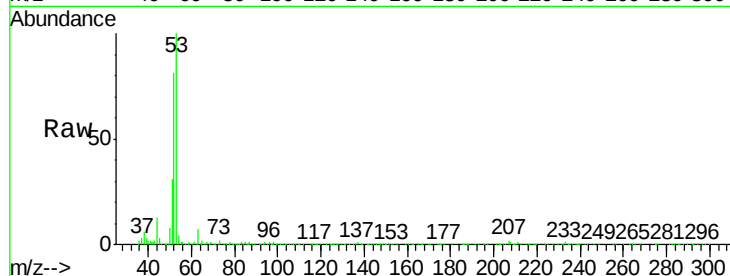
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	386842
Ion Ratio	Lower	Upper	
53	100		
52	80.9	67.3	100.9
51	31.0	33.0	49.6#

Manual Integrations
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#16

Acetone

Concen: 257.702 ug/l

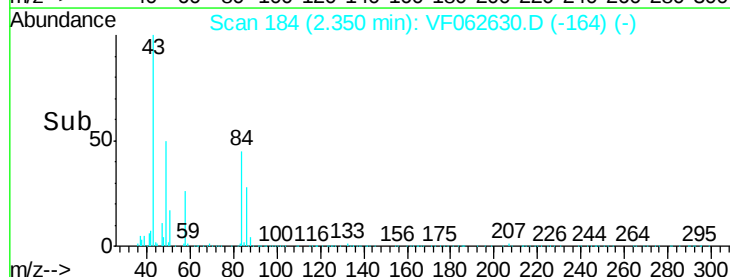
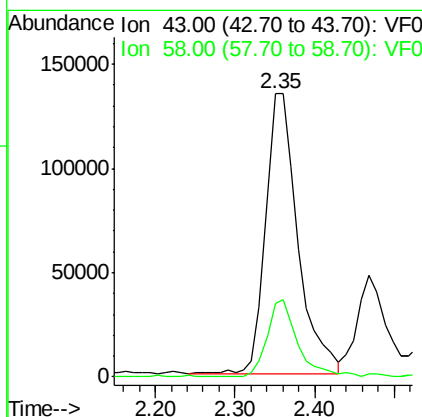
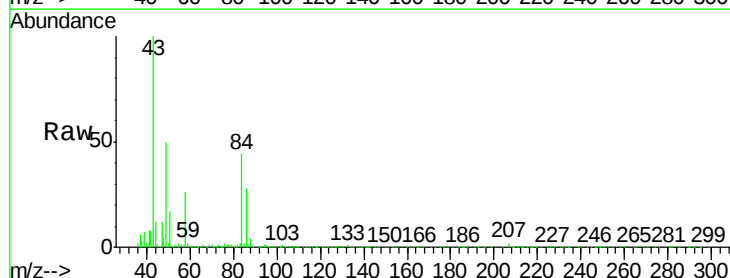
RT: 2.35 min Scan# 184

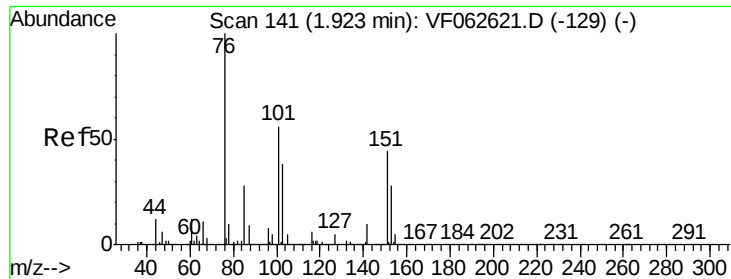
Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	43	Resp:	382679
Ion Ratio	Lower	Upper	
43	100		
58	26.1	22.6	33.8





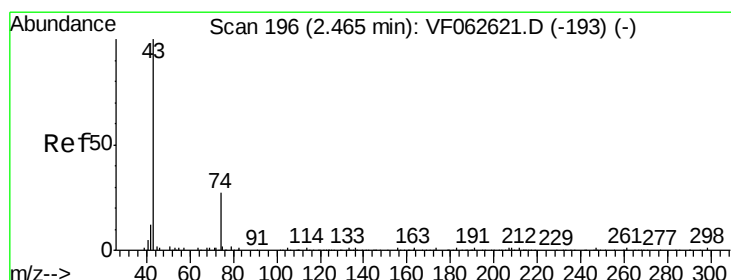
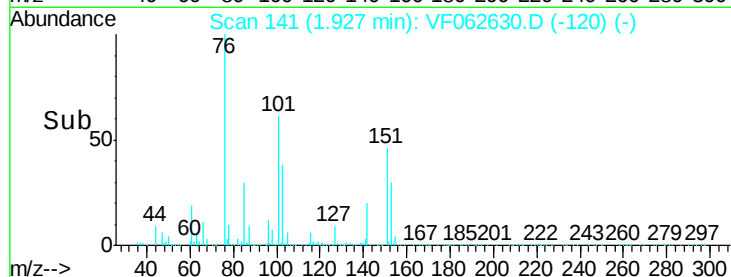
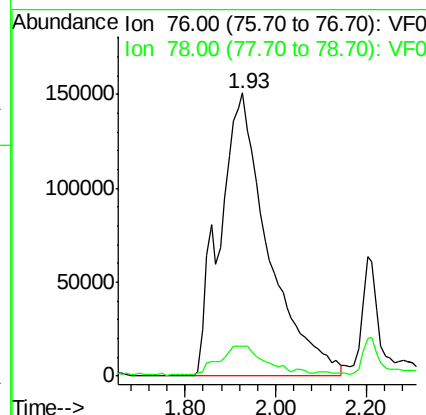
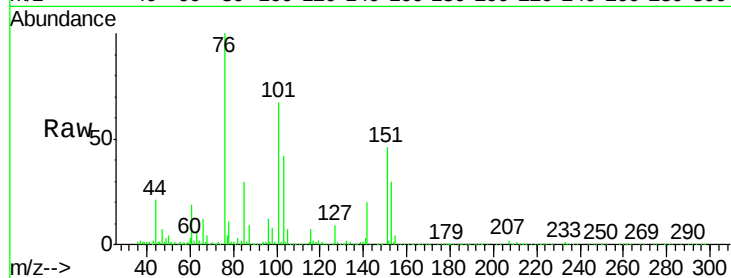
#17
Carbon Disulfide
Concen: 51.956 ug/l m
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1120549
Ion Ratio Lower Upper
76 100
78 10.7 8.4 12.6

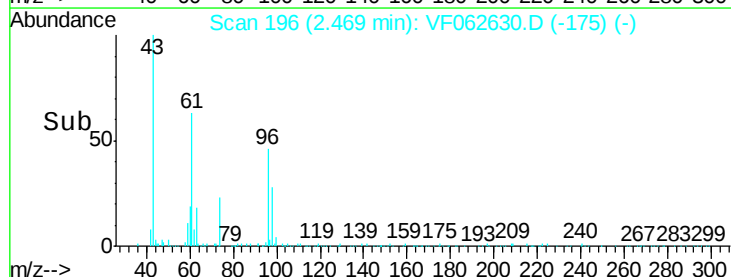
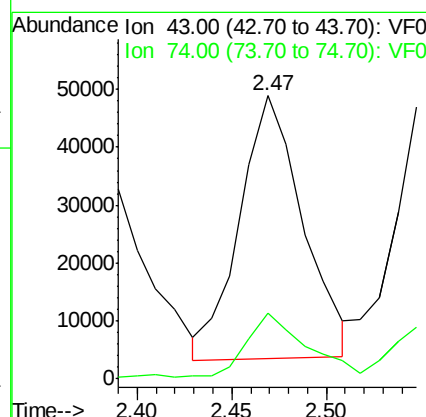
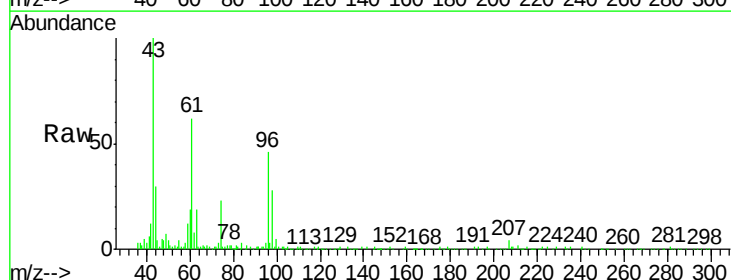
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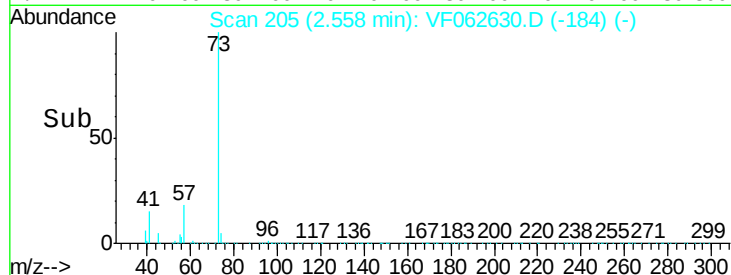
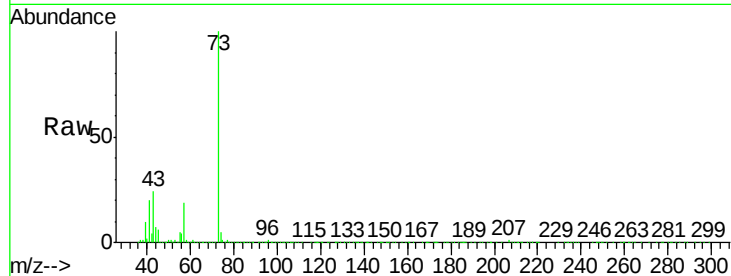
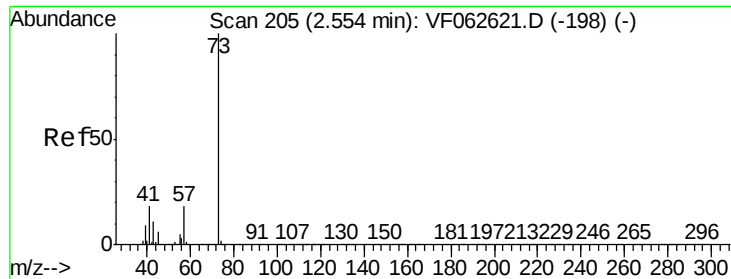
MMDadoda
5/20/2019 2:51:46 PM



#18
Methyl Acetate
Concen: 45.102 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion: 43 Resp: 105247
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3





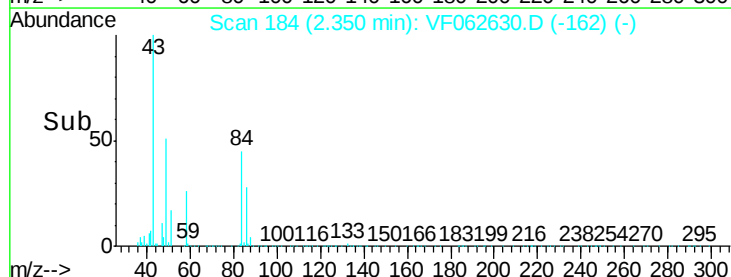
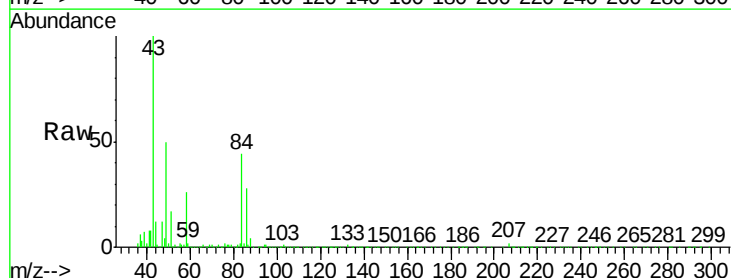
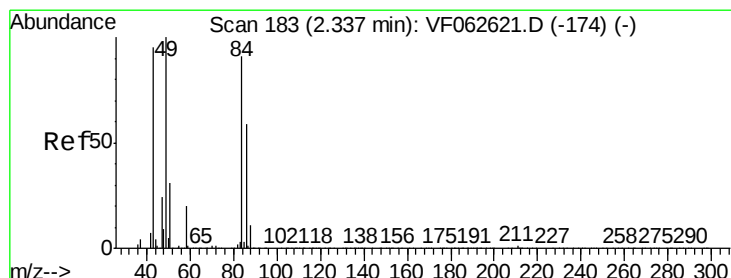
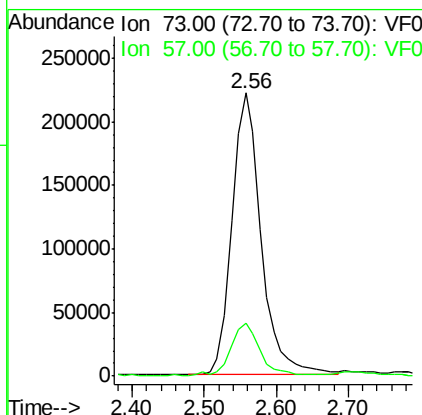
#19
Methvl tert-butvl Ether
Concen: 48.174 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.2	21.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

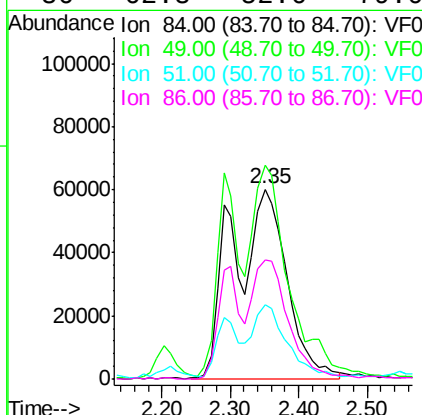
Manual Integrations
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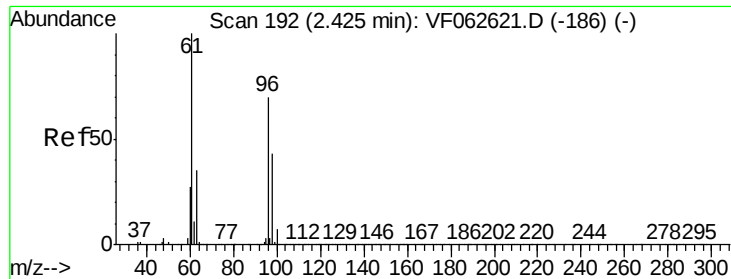
MMDadoda
5/20/2019 2:51:46 PM



#20
Methylene Chloride
Concen: 44.584 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	89.8	134.8
51	38.8	28.4	42.6
86	62.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.262 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

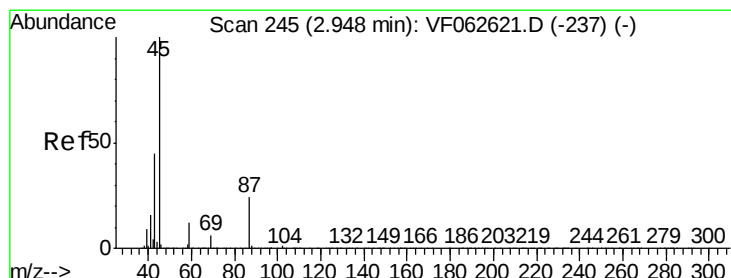
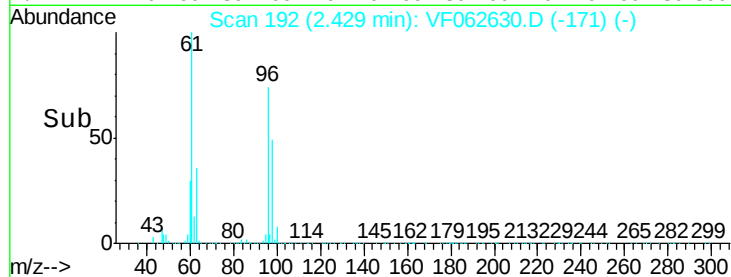
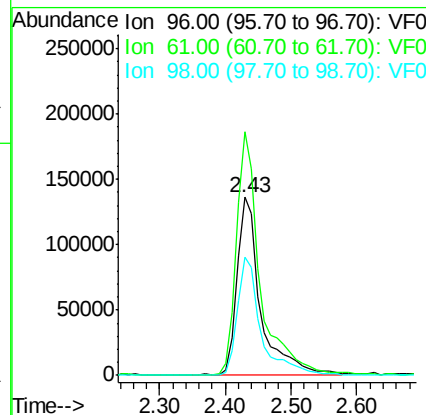
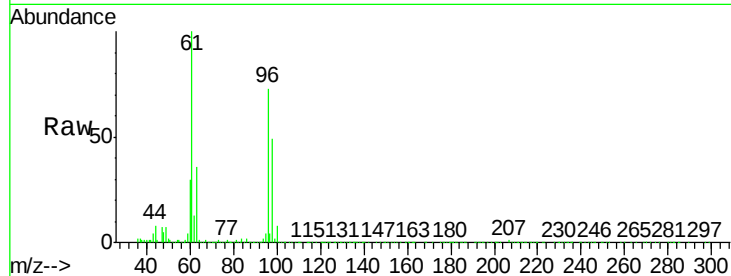
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	343250
Ion Ratio	Lower	Upper	
96	100		
61	136.9	114.6	171.8
98	66.6	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.961 ug/l

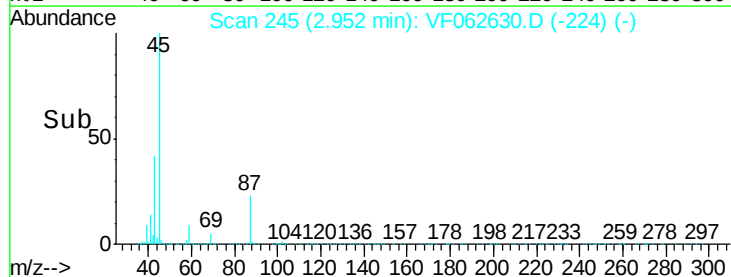
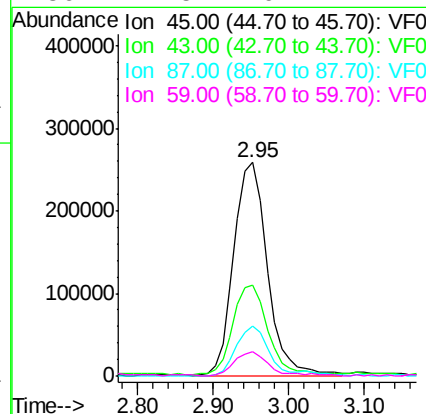
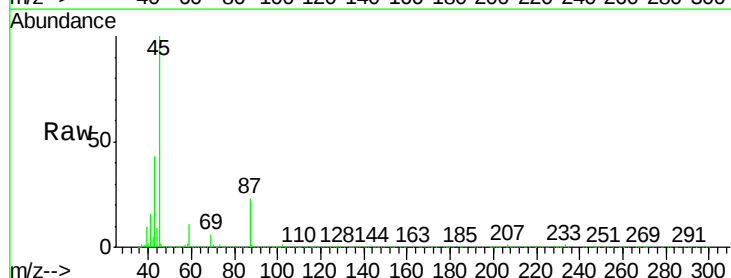
RT: 2.95 min Scan# 245

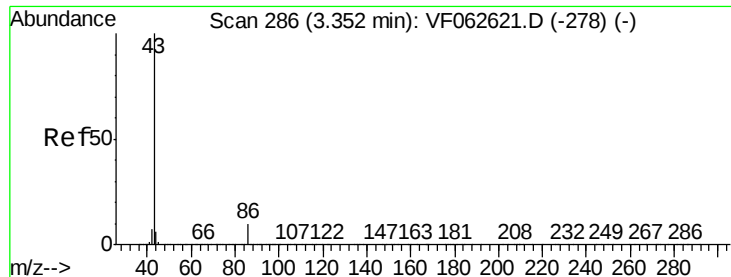
Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	45	Resp:	795264
Ion Ratio	Lower	Upper	
45	100		
43	42.8	36.4	54.6
87	23.1	19.3	28.9
59	11.5	9.4	14.2





#23

Vinyl Acetate

Concen: 234.205 ug/l

RT: 3.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2566172

Ion Ratio Lower Upper

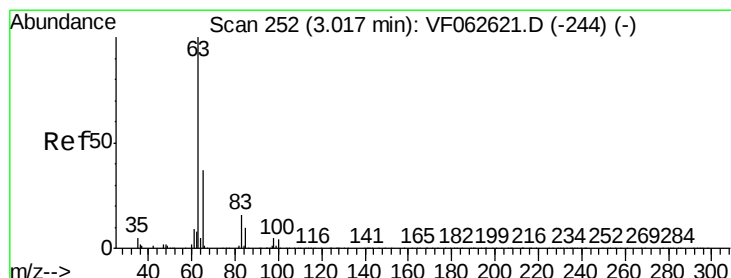
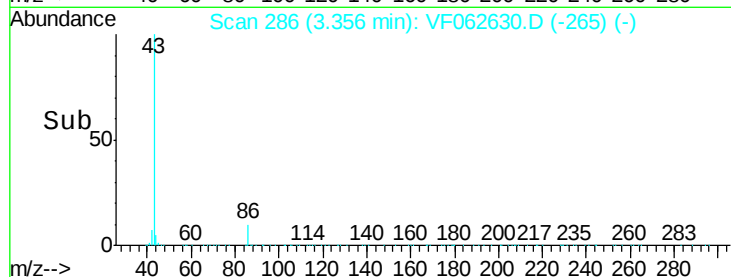
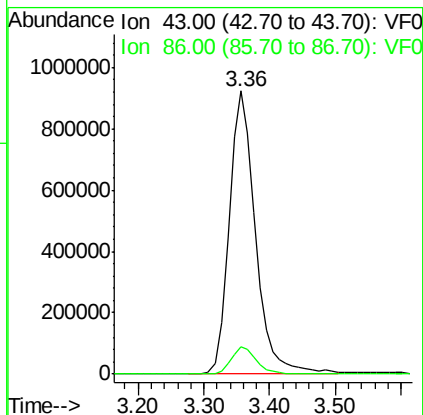
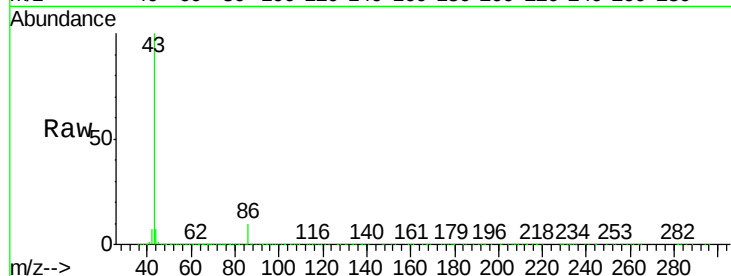
43 100

86 9.9 8.2 12.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 49.371 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

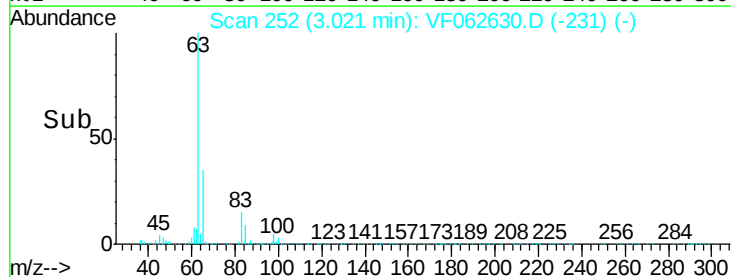
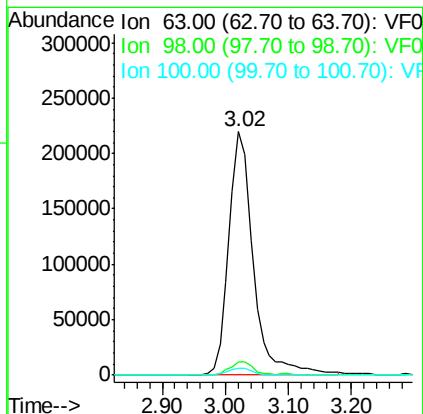
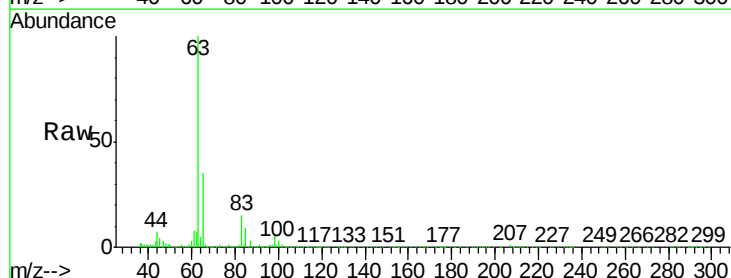
Tgt Ion: 63 Resp: 588293

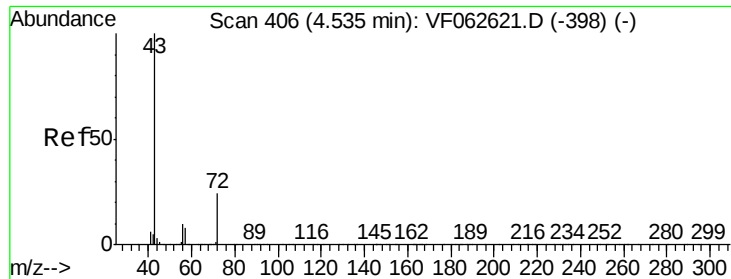
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.0 1.9 5.7





#25

2-Butanone

Concen: 242.111 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 768129

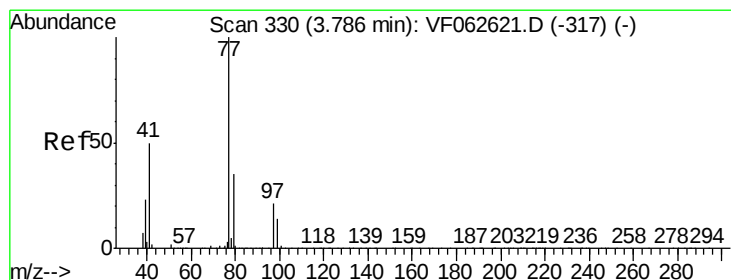
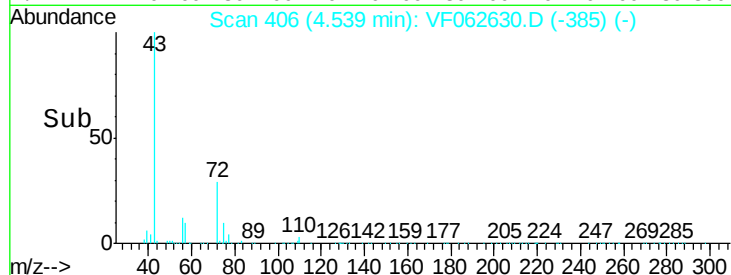
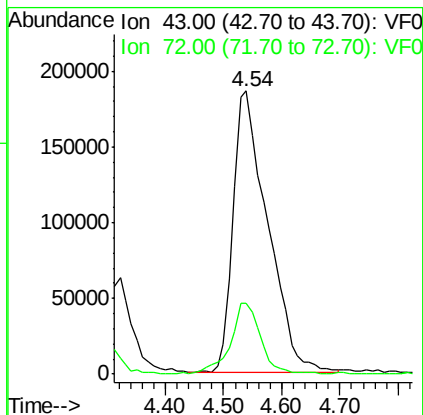
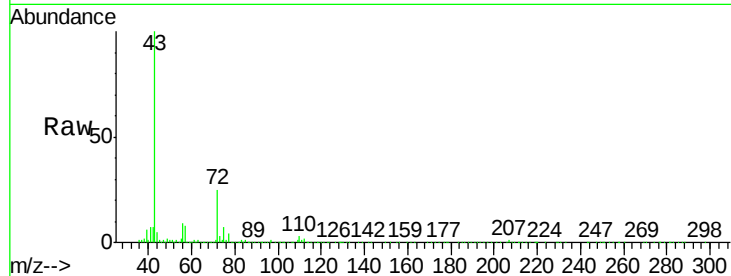
Ion Ratio Lower Upper

43 100

72 25.0 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 51.352 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062630.D

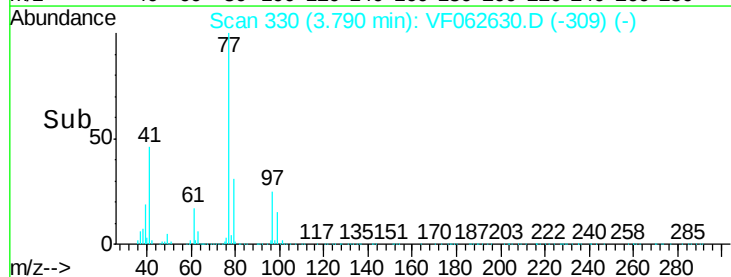
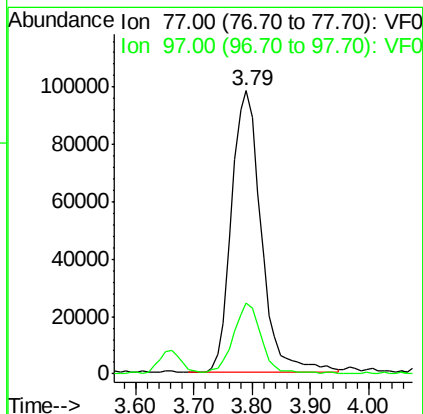
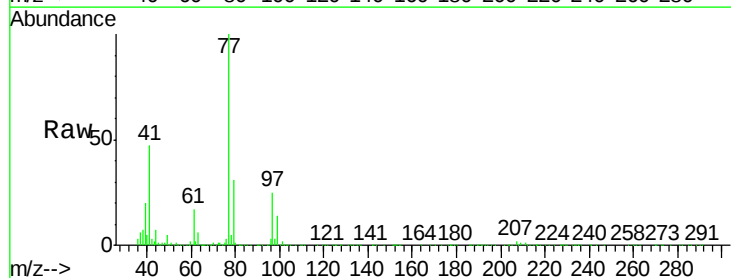
Acq: 17 May 2019 10:03

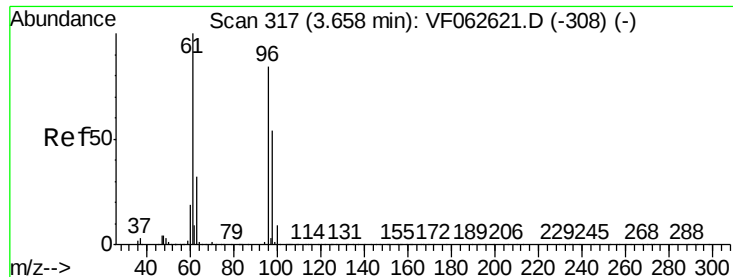
Tgt Ion: 77 Resp: 350106

Ion Ratio Lower Upper

77 100

97 25.2 14.1 42.4





#27

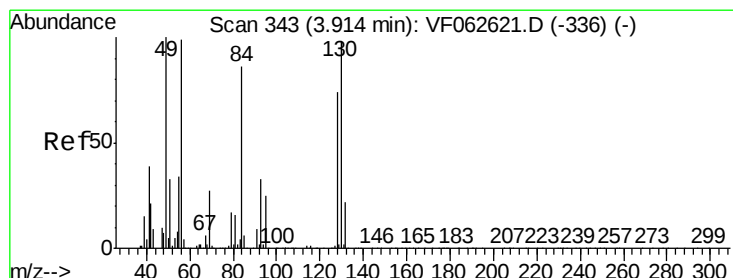
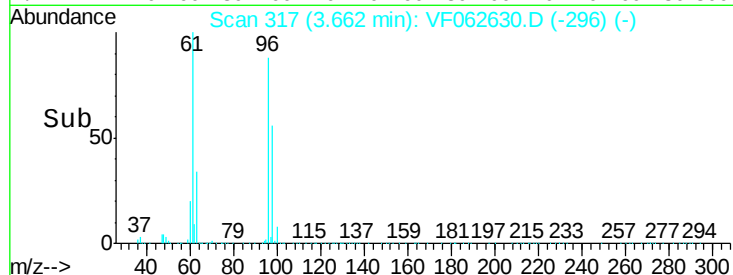
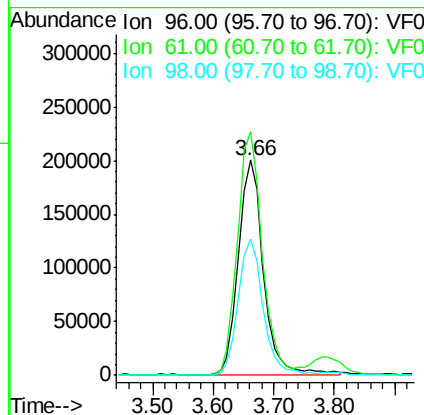
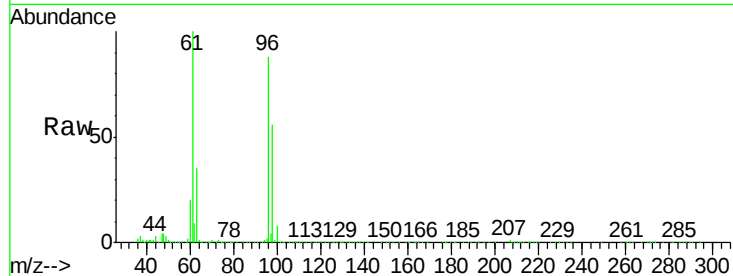
cis-1,2-Dichloroethene
Concen: 49.301 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	576772		
61	113.3		0.0	237.4
98	63.6		0.0	129.0

Manual Integrations
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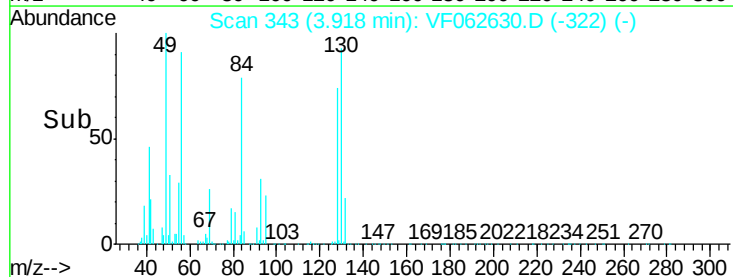
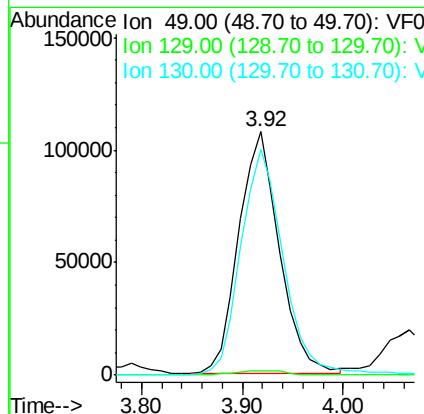
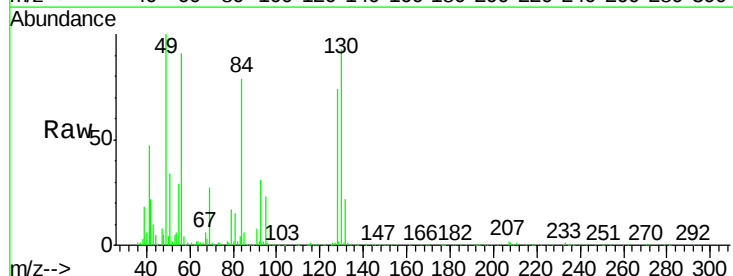
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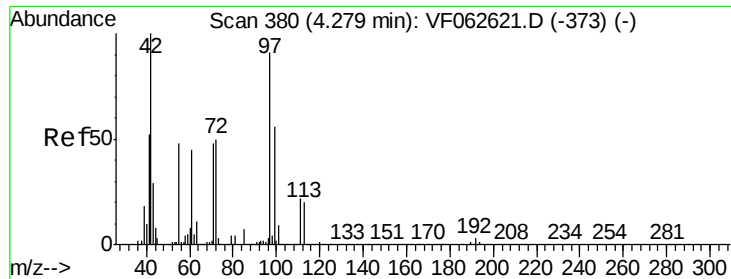


#28

Bromochloromethane
Concen: 45.379 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	303265		
129	1.9		0.0	4.0
130	92.7		77.8	116.8





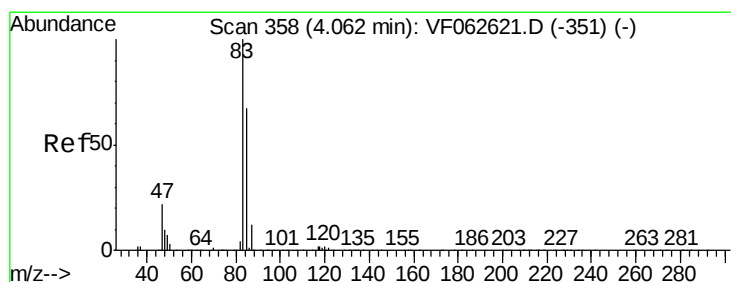
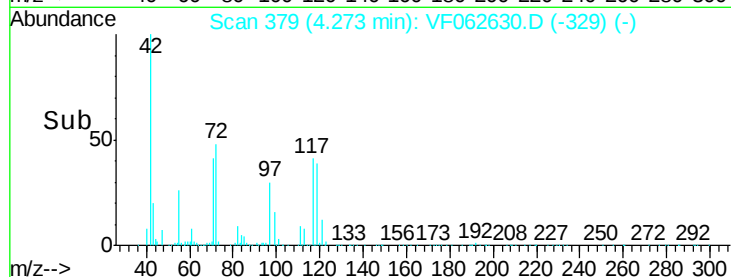
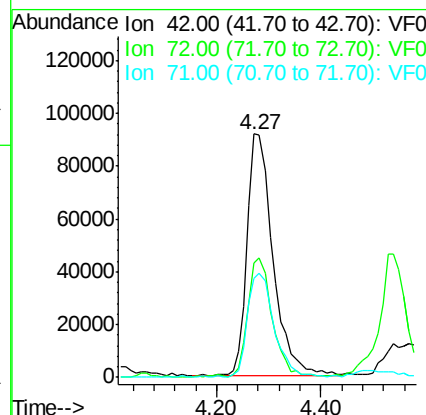
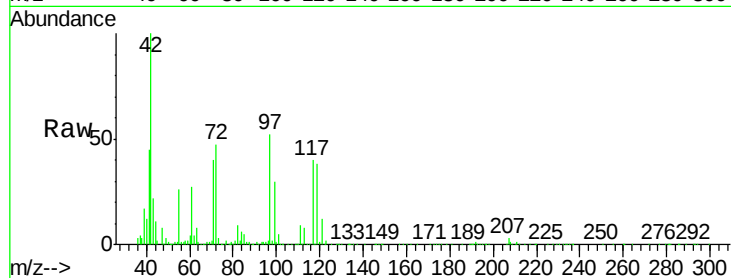
#29
Tetrahydrofuran
Concen: 238.809 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	306595		
72	46.5		38.2	57.2
71	43.7		35.8	53.6

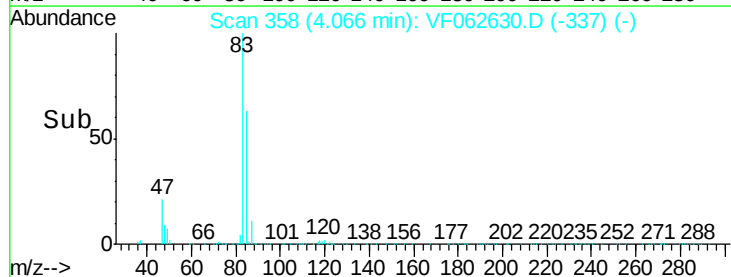
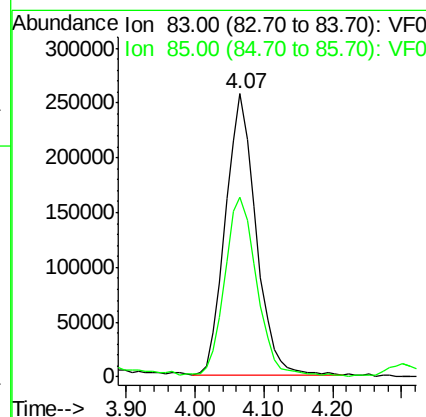
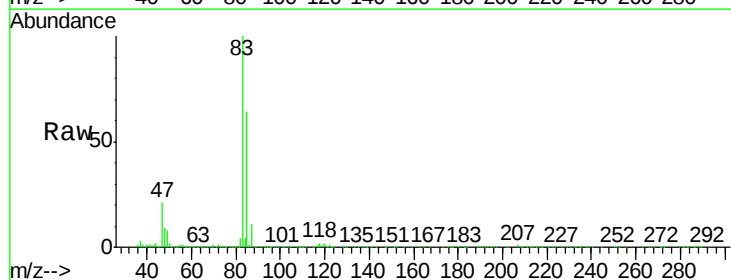
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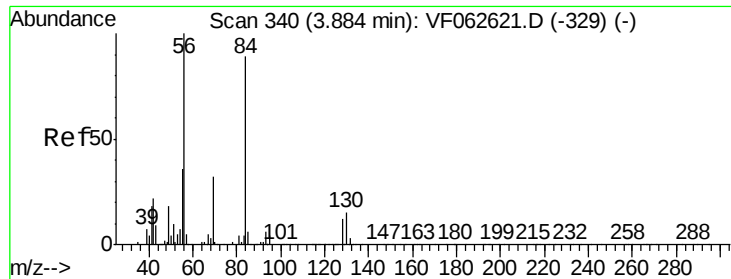
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#30
Chloroform
Concen: 47.601 ug/l
RT: 4.07 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	787495		
85	63.6		53.6	80.4





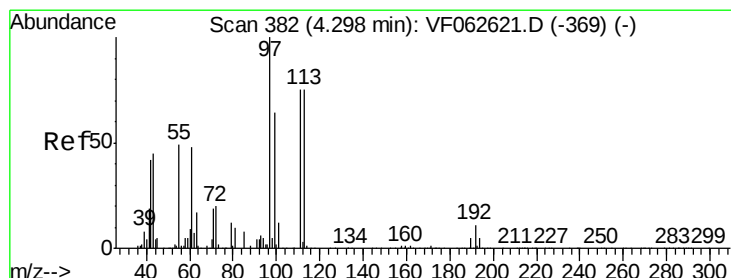
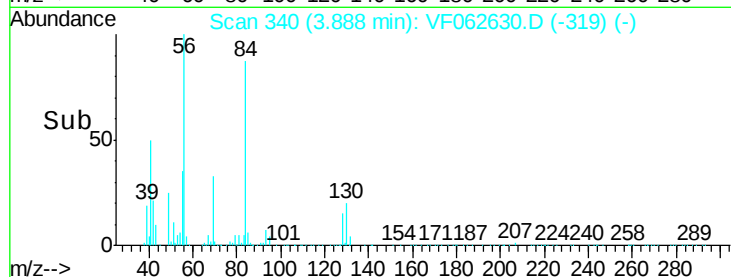
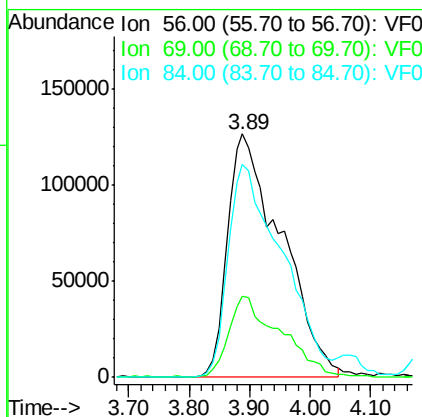
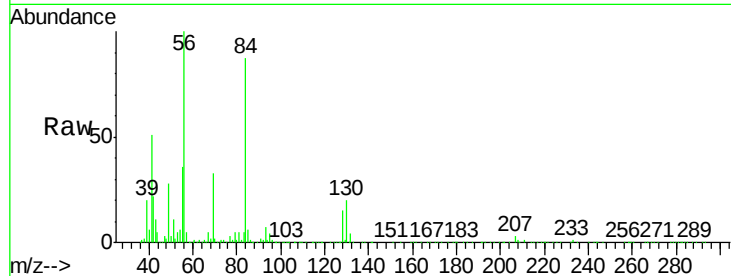
#31
Cyclohexane
Concen: 48.394 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.3	37.9
84	87.5	71.0	106.4

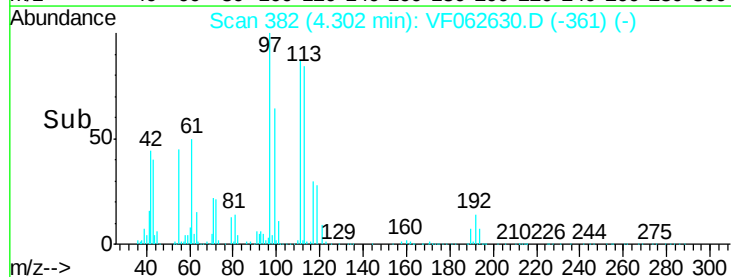
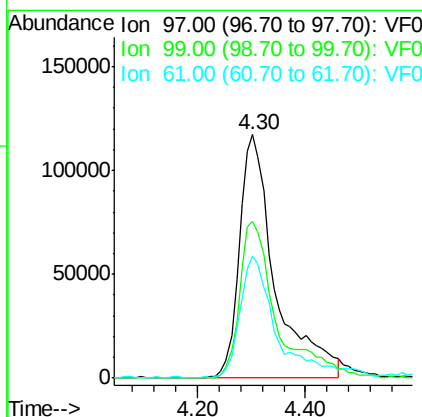
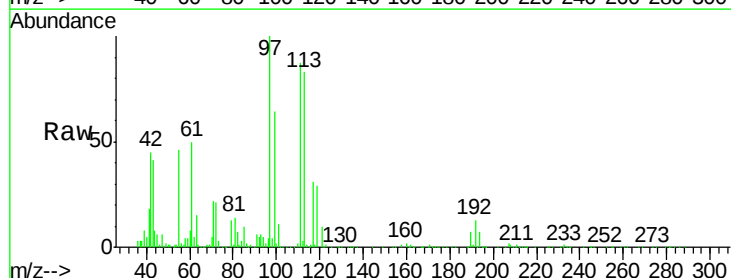
Manual Integrations
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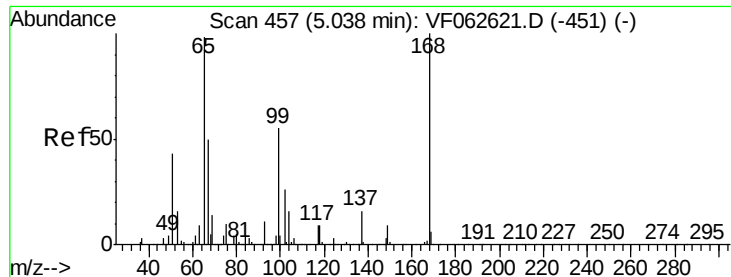
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.305 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	50.4	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 49.203 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 281631

Ion Ratio Lower Upper

65 100

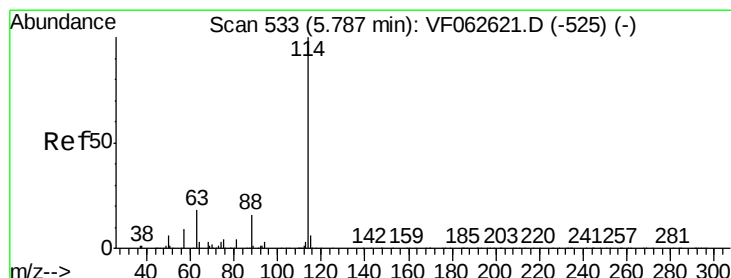
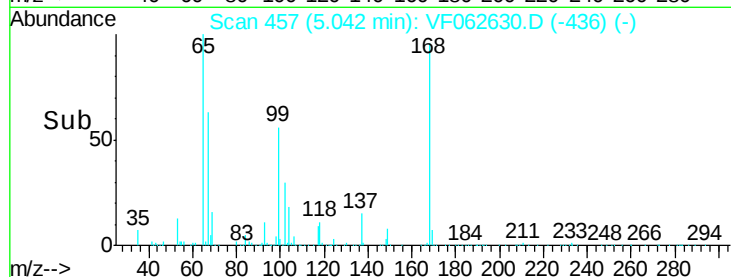
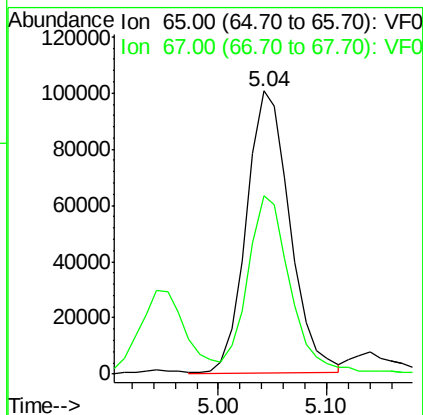
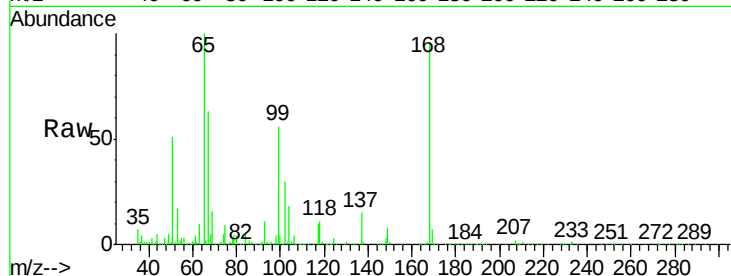
67 62.9 0.0 117.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

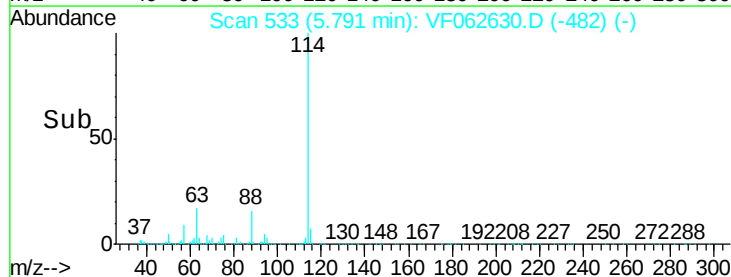
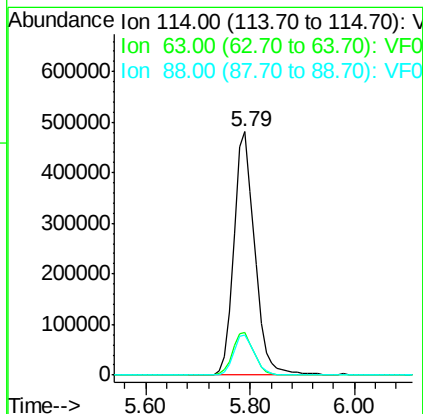
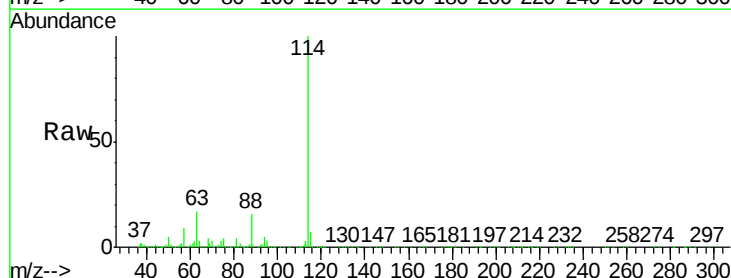
Tgt Ion: 114 Resp: 1298073

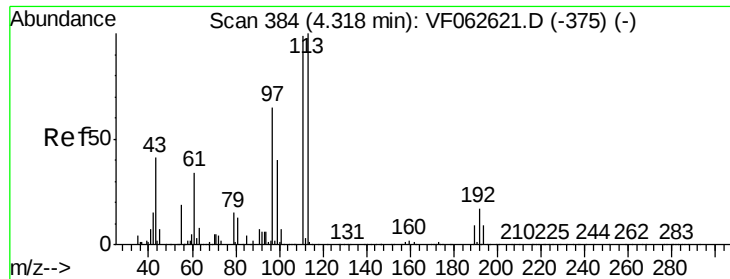
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.782 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

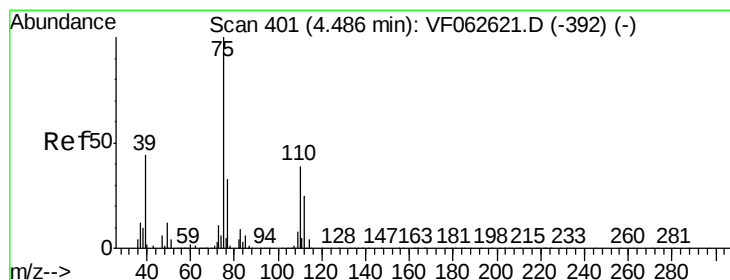
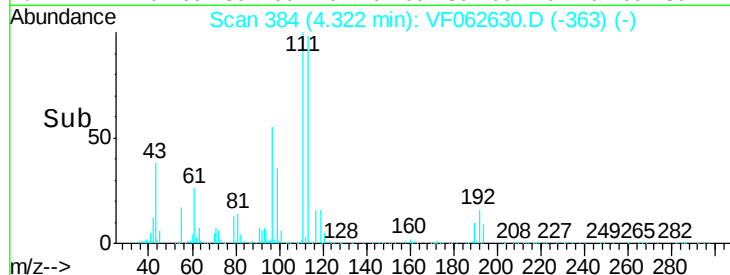
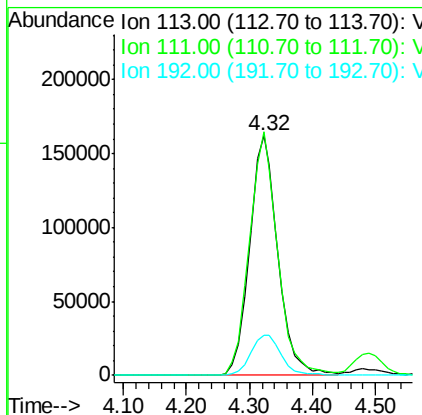
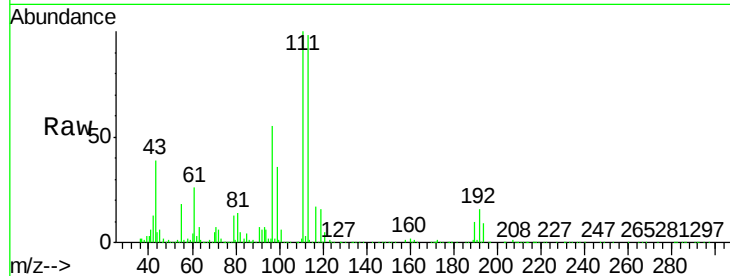
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	504414
Ion Ratio	Lower	Upper	
113	100		
111	101.8	79.4	119.2
192	16.7	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 49.100 ug/l

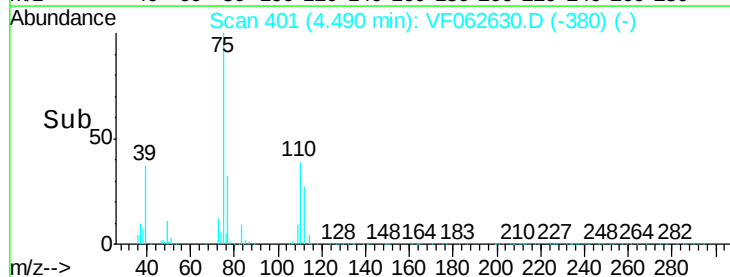
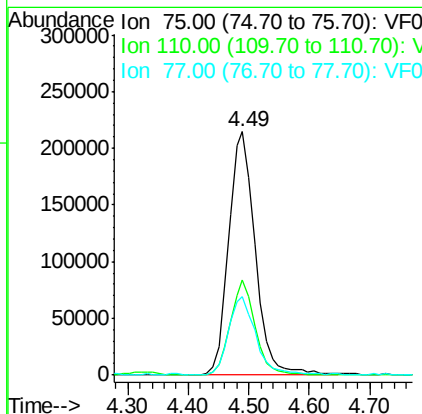
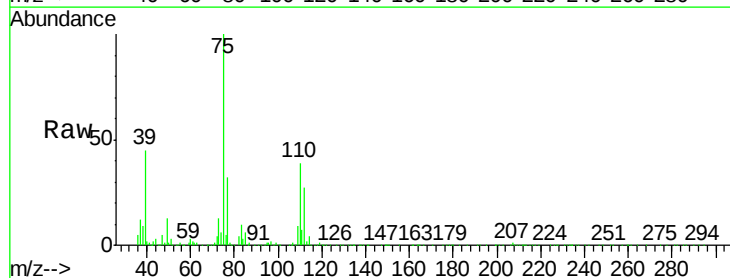
RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	75	Resp:	653095
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.7	59.1
77	32.0	26.3	39.5





#37

Ethyl Acetate

Concen: 44.937 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

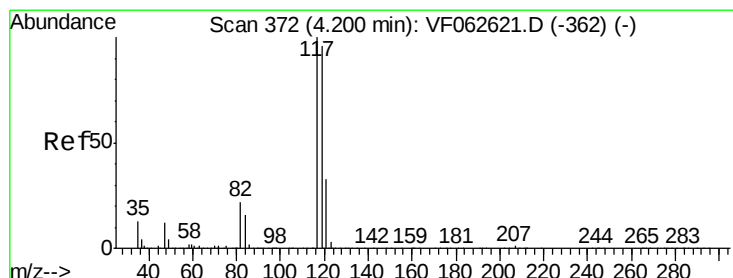
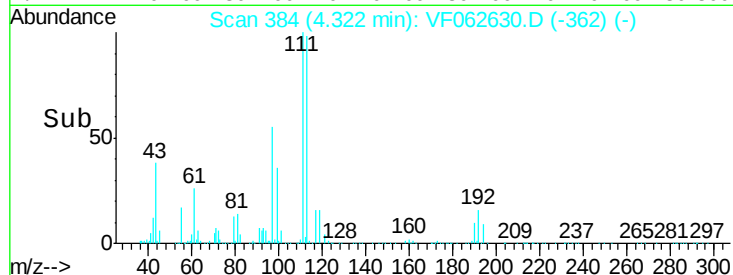
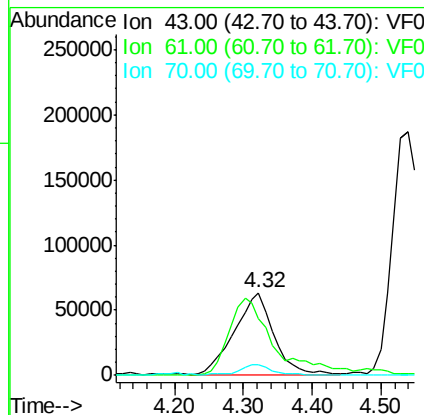
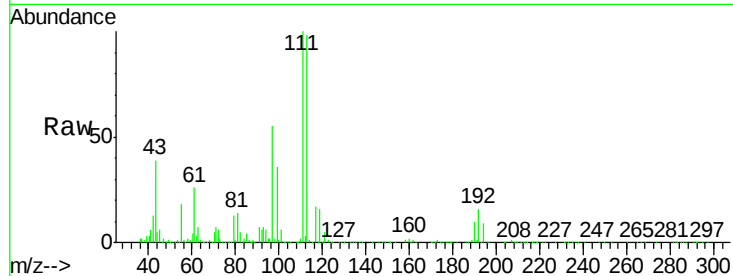
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	244051
Ion Ratio	Lower	Upper	
43	100		
61	68.6	76.9	115.3#
70	12.4	8.8	13.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.040 ug/l

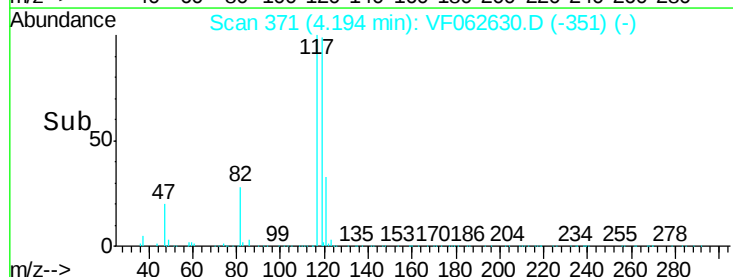
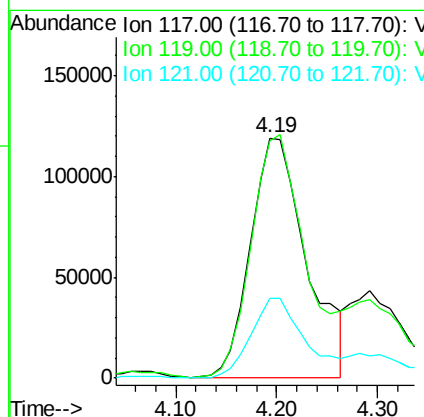
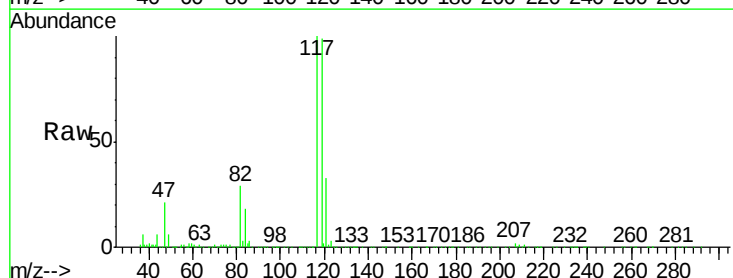
RT: 4.19 min Scan# 371

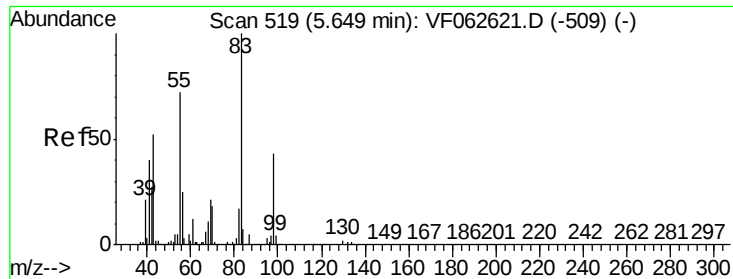
Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	117	Resp:	460565
Ion Ratio	Lower	Upper	
117	100		
119	98.7	76.7	115.1
121	33.1	26.6	40.0





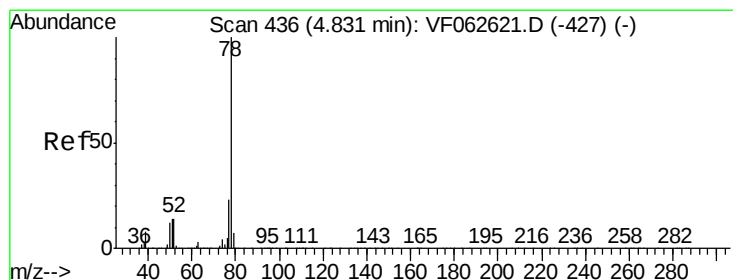
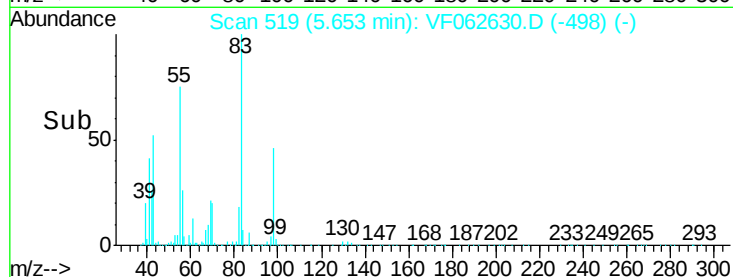
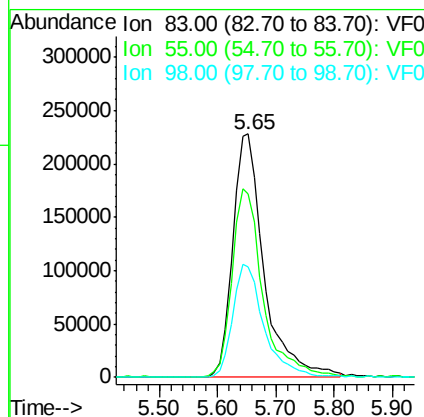
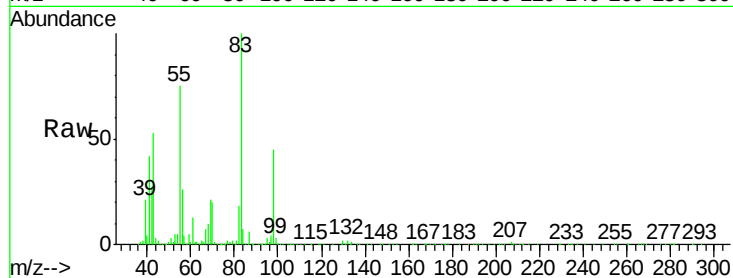
#39
Methvlcvclohexane
Concen: 53.014 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	57.9	86.9
98	45.5	34.6	52.0

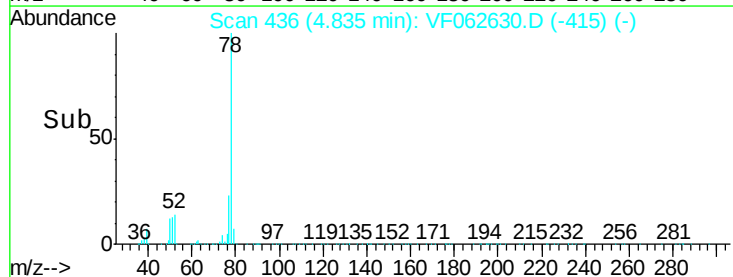
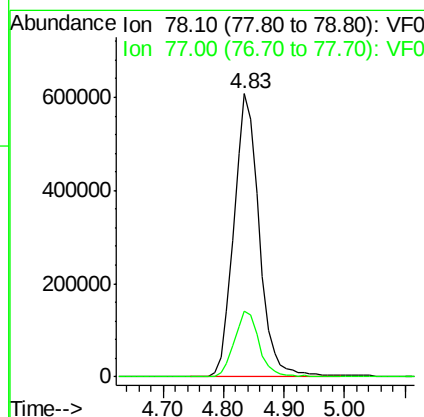
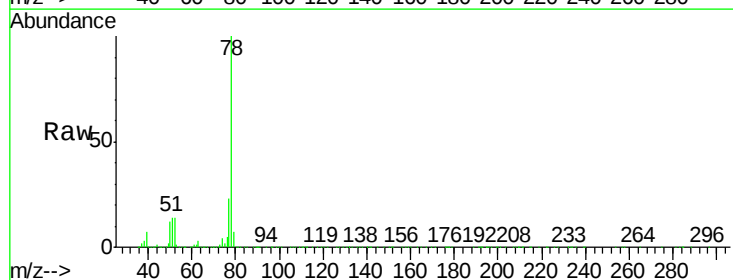
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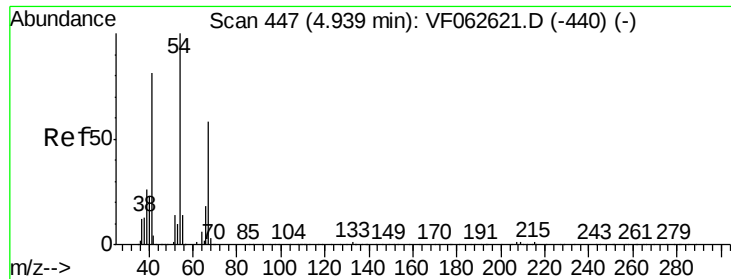
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#40
Benzene
Concen: 48.807 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





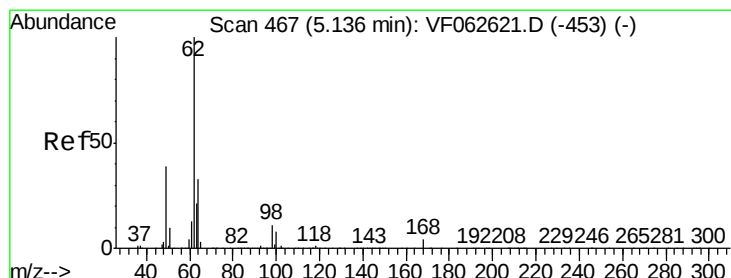
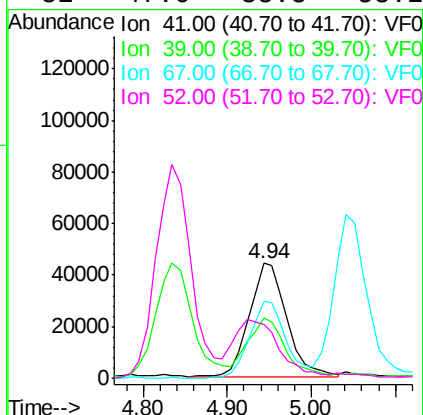
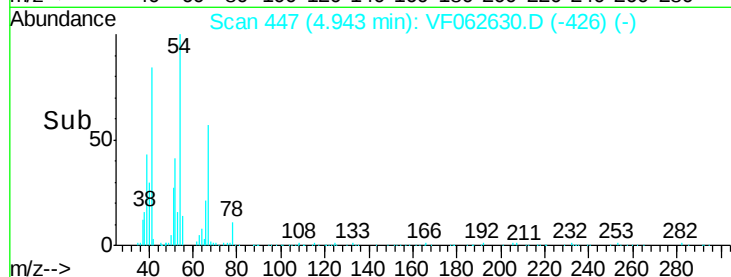
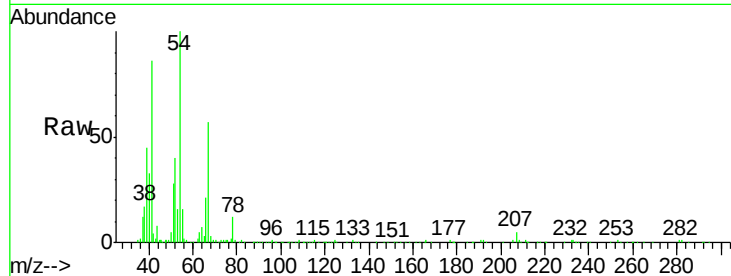
#41
Methacrylonitrile
Concen: 47.382 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.2	63.2	
67	66.5	56.4	84.6	
52	47.0	38.8	58.2	

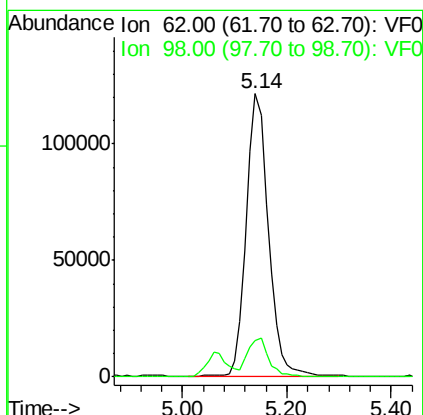
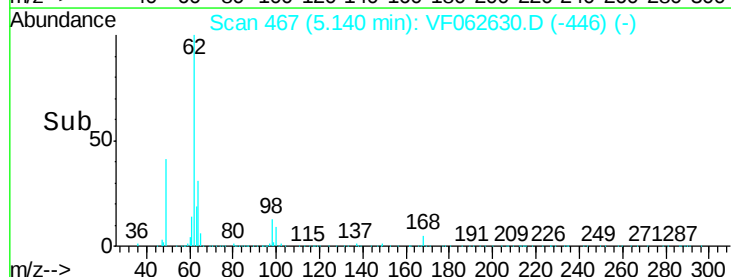
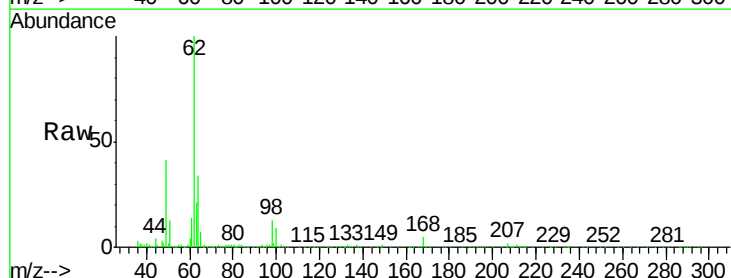
Manual Integrations
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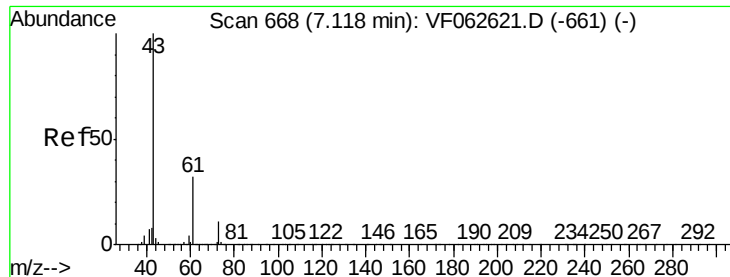
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.237 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	13.0	0.0	21.6	





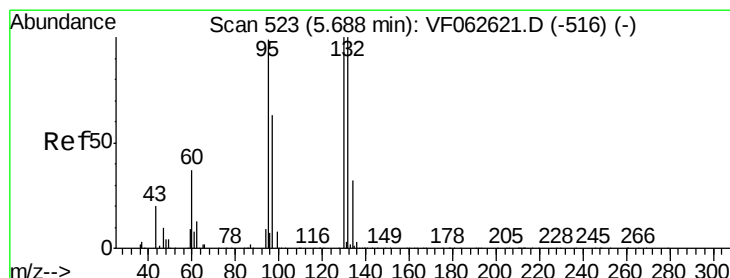
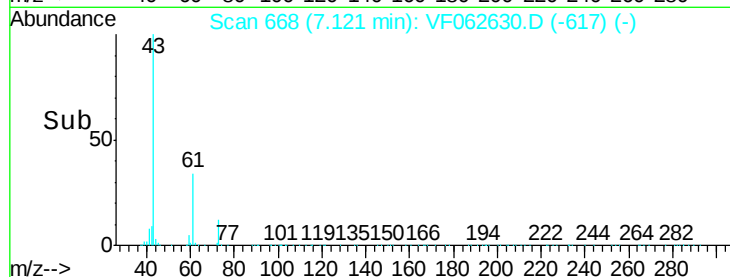
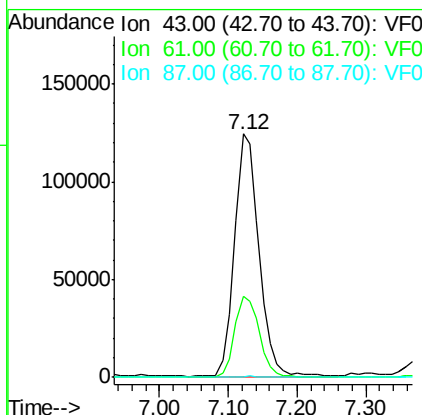
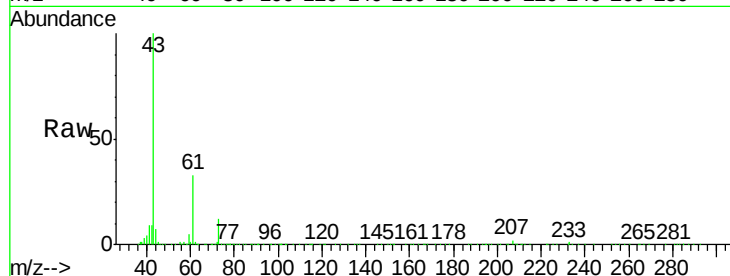
#43
Isopropyl Acetate
Concen: 43.068 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.8	38.8
87	0.3	0.4	0.6

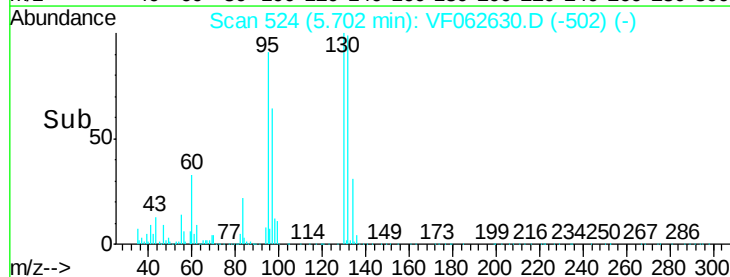
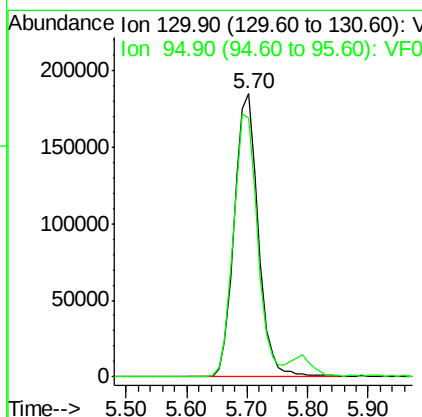
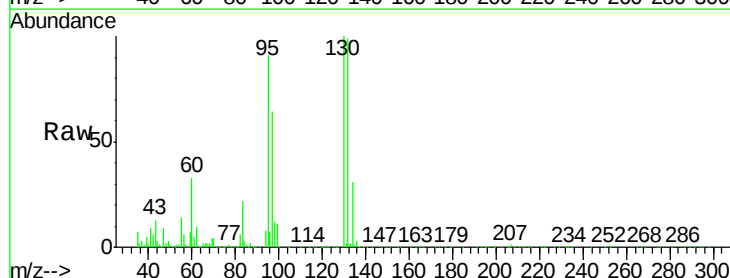
Manual Integrations
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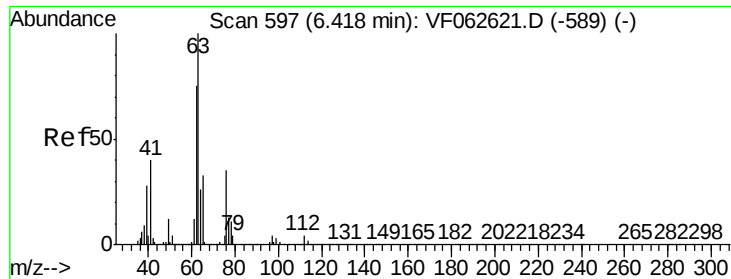
MMDadoda
5/20/2019 2:51:46 PM



#44
Trichloroethene
Concen: 49.991 ug/l
RT: 5.70 min Scan# 524
Delta R.T. 0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	199.4





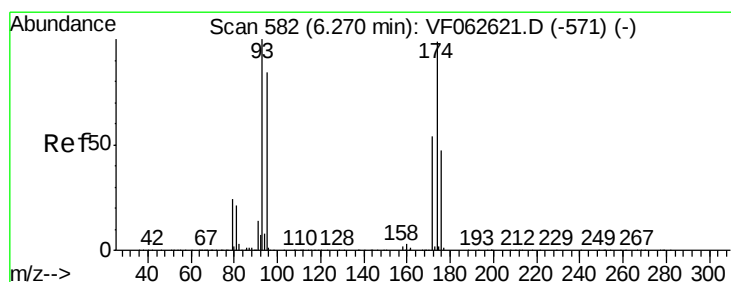
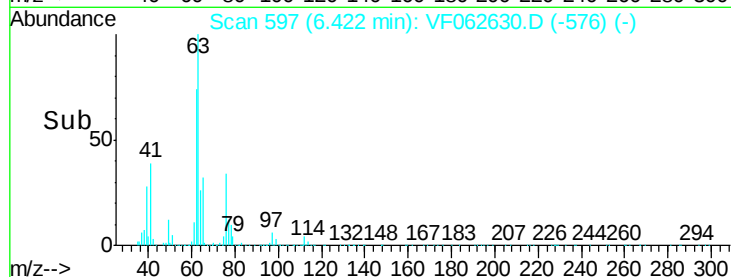
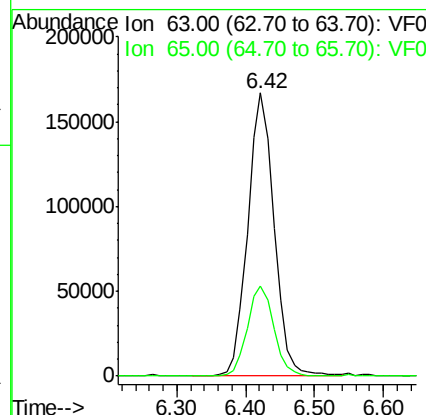
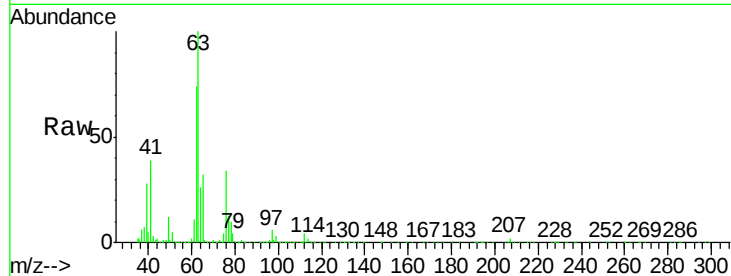
#45
 1,2-Dichloropropane
 Concen: 48.410 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	26.3	39.5

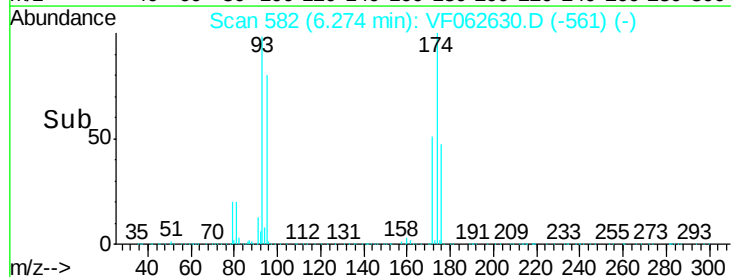
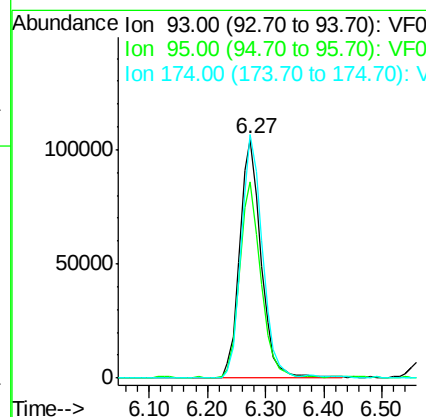
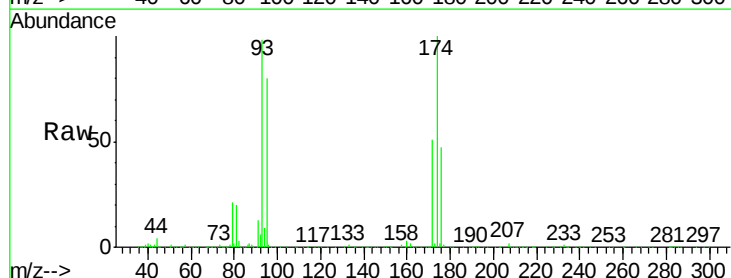
Manual Integrations
 APPROVED

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 5/20/2019 2:51:46 PM



#46
 Dibromomethane
 Concen: 50.627 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.4	101.2
174	102.0	79.4	119.2





#47

Bromodichloromethane

Concen: 49.713 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

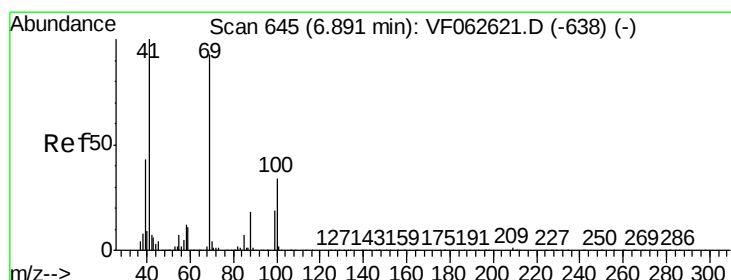
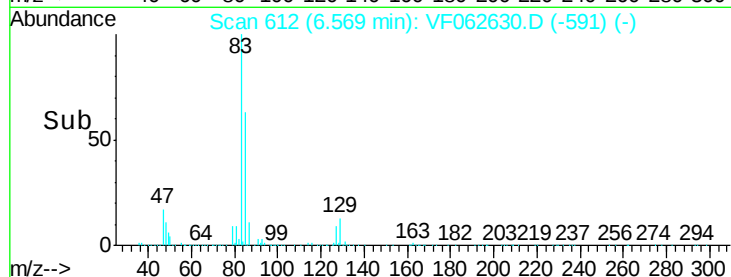
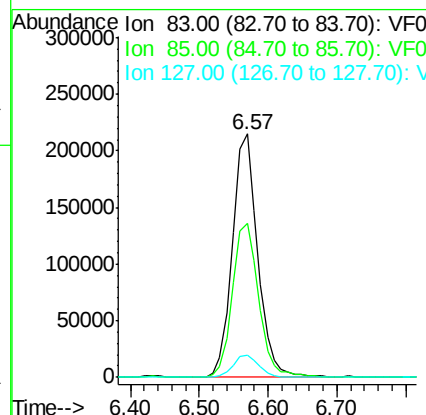
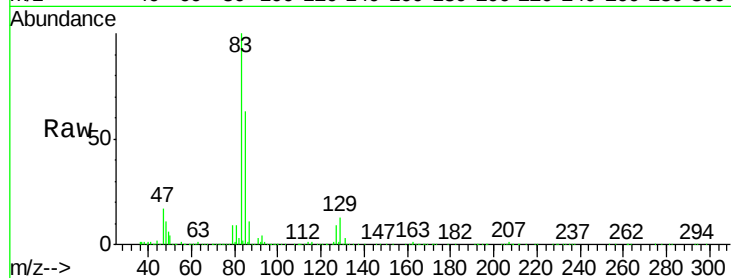
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	545584
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.0	78.0
127	9.0	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.116 ug/l

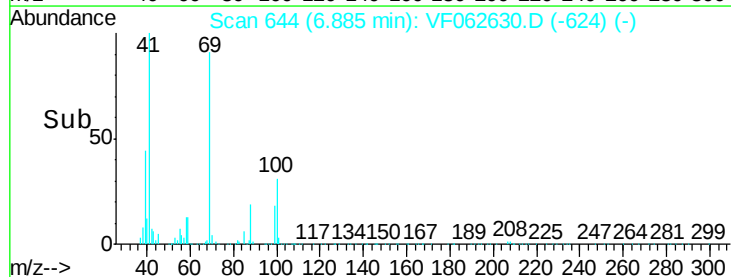
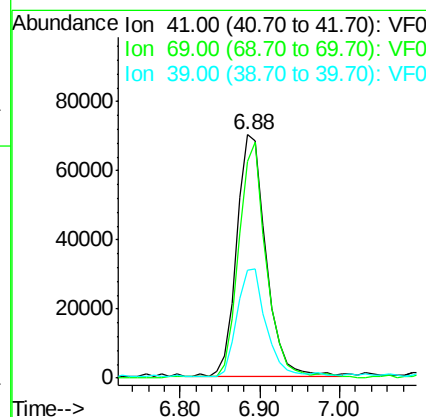
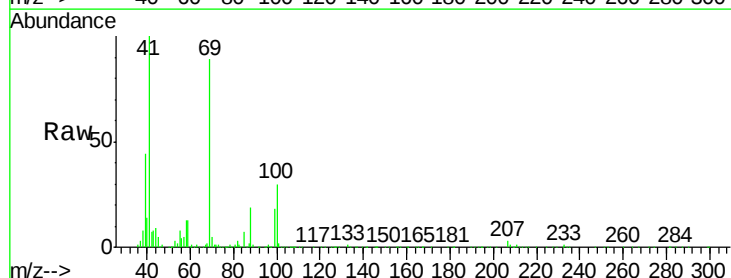
RT: 6.88 min Scan# 644

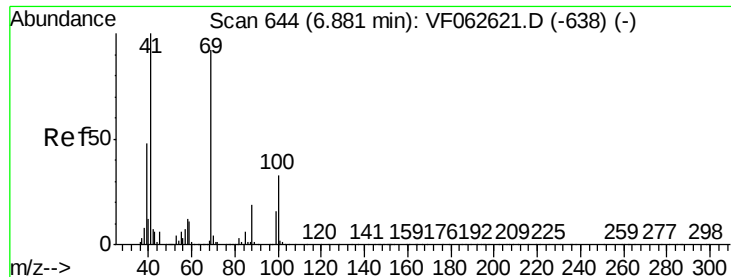
Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	41	Resp:	180627
Ion Ratio	Lower	Upper	
41	100		
69	88.9	74.2	111.2
39	44.3	34.2	51.4





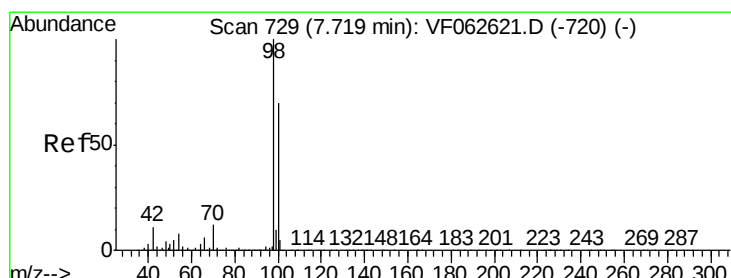
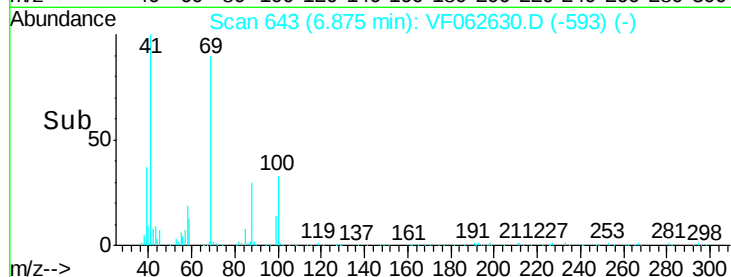
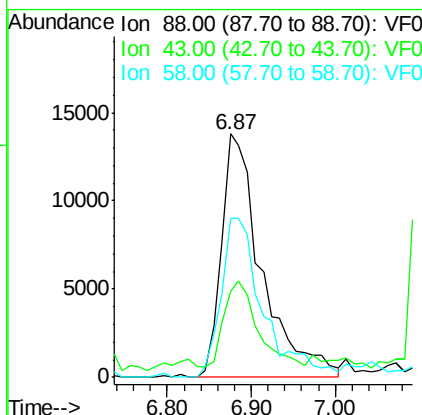
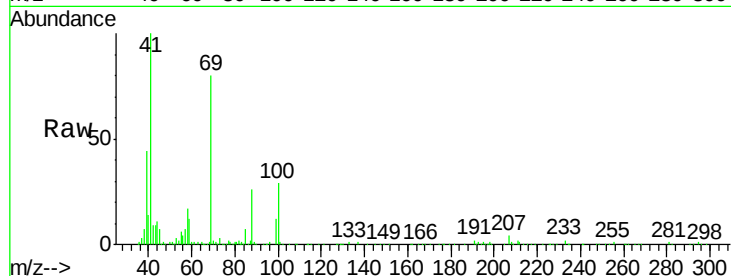
#49
1,4-Dioxane
Concen: 971.888 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	30.0	45.0
58	65.1	51.1	76.7

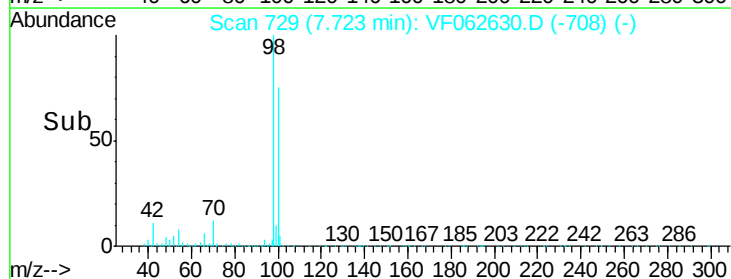
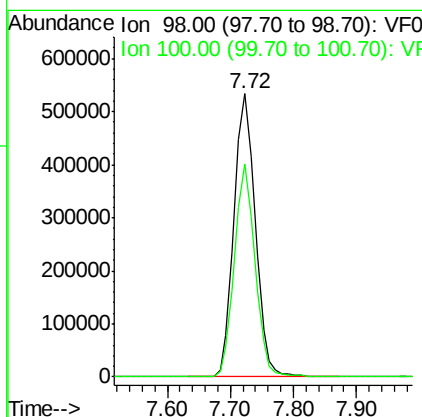
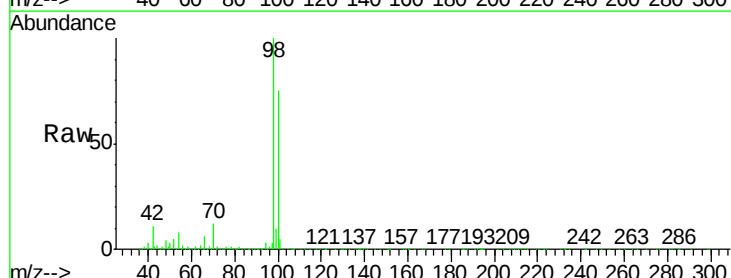
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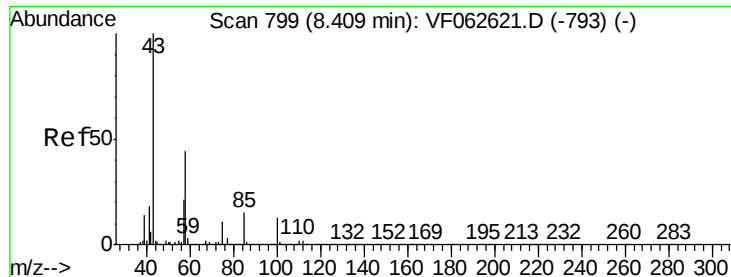
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#50
Toluene-d8
Concen: 52.648 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	75.0	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 226.354 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1088615

Ion Ratio Lower Upper

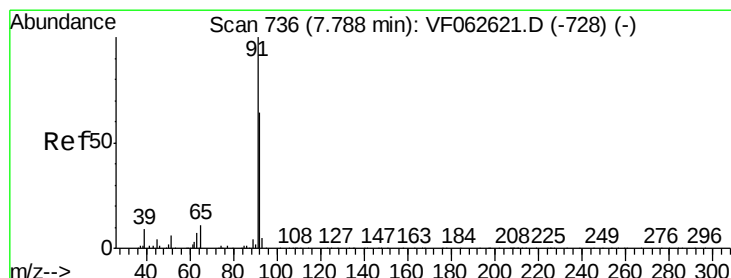
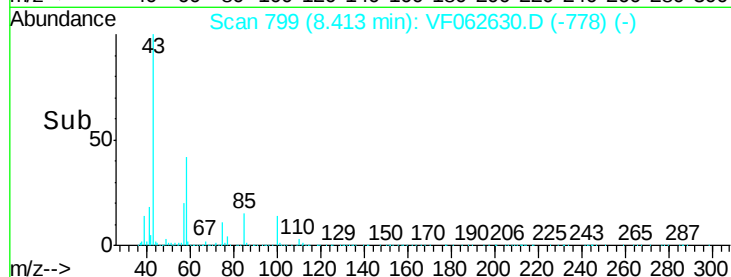
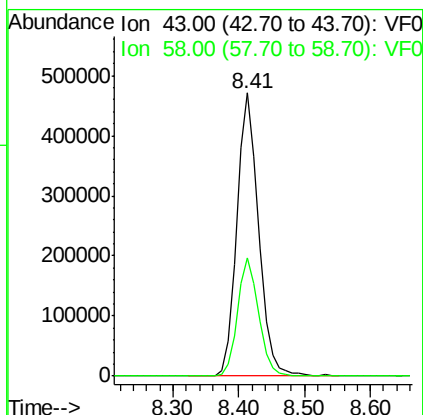
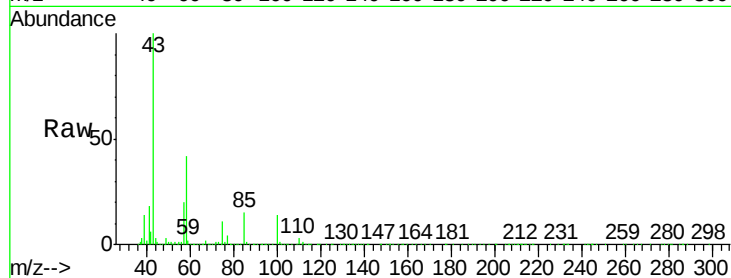
43 100

58 41.9 34.9 52.3

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#52

Toluene

Concen: 50.224 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062630.D

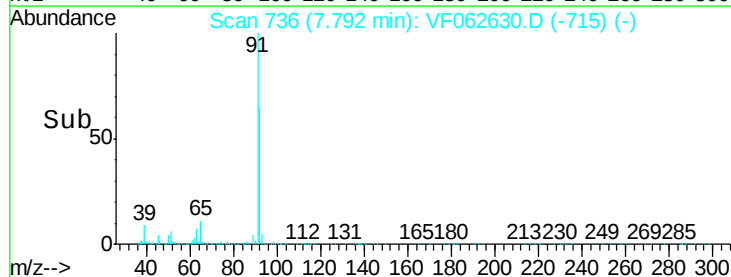
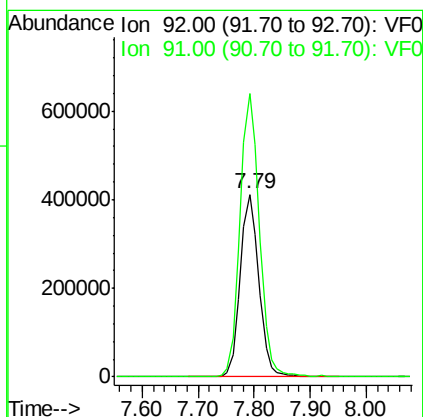
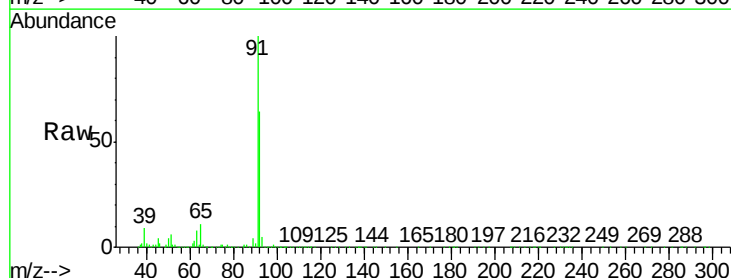
Acq: 17 May 2019 10:03

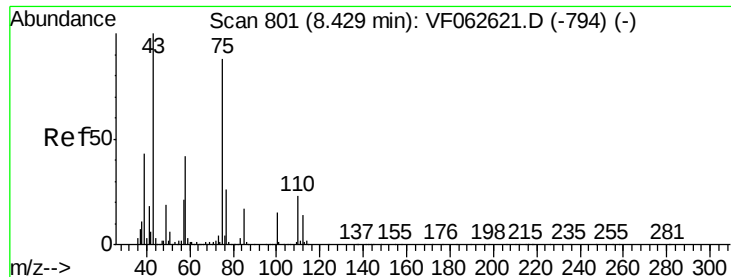
Tgt Ion: 92 Resp: 954449

Ion Ratio Lower Upper

92 100

91 155.1 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 49.759 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 446771

Ion Ratio Lower Upper

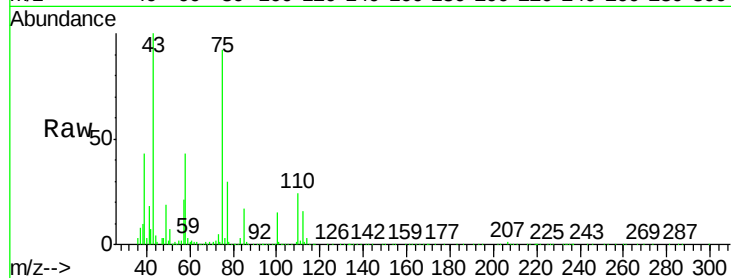
75 100

77 33.0 24.2 36.4

Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.43

200000

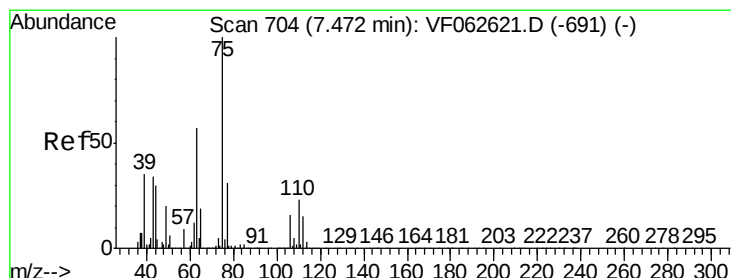
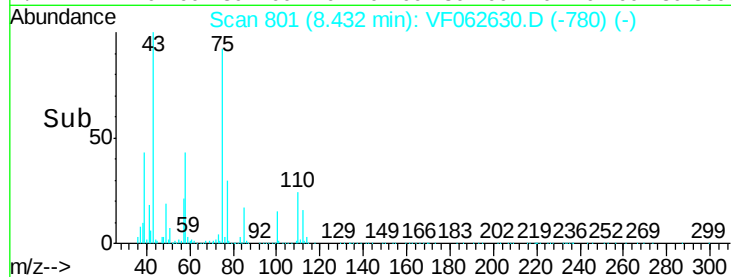
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.888 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

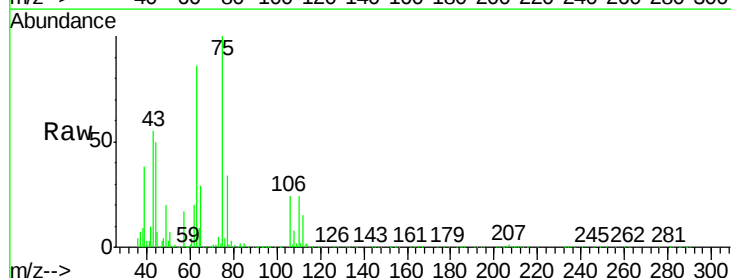
Tgt Ion: 75 Resp: 627022

Ion Ratio Lower Upper

75 100

77 33.7 25.3 37.9

39 37.6 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

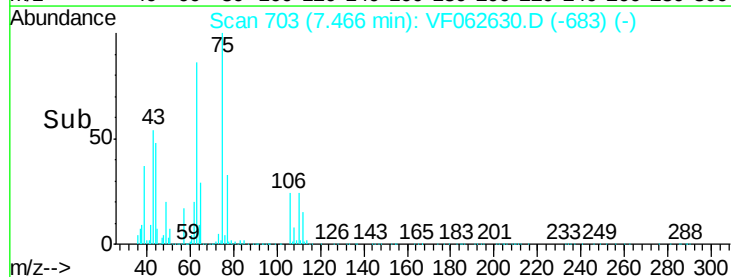
300000

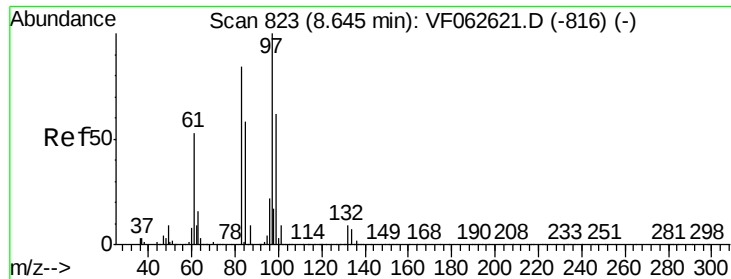
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.492 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

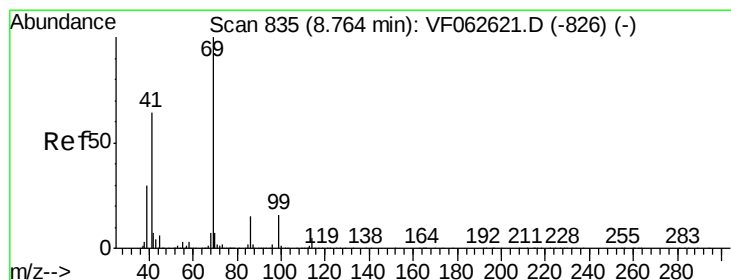
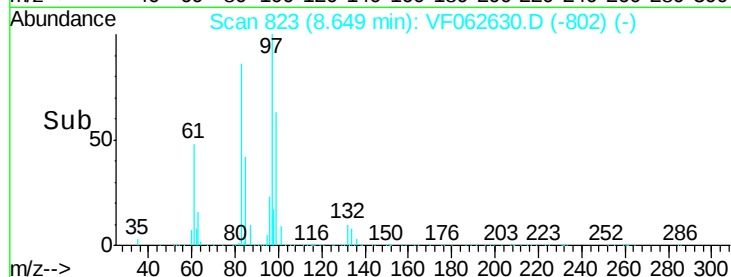
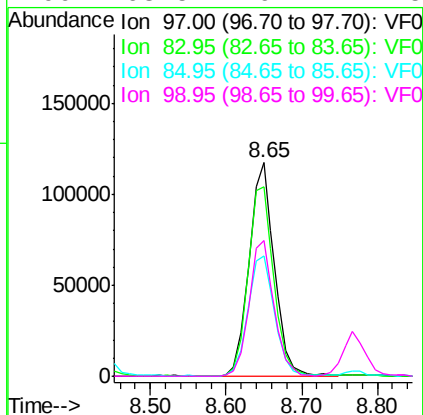
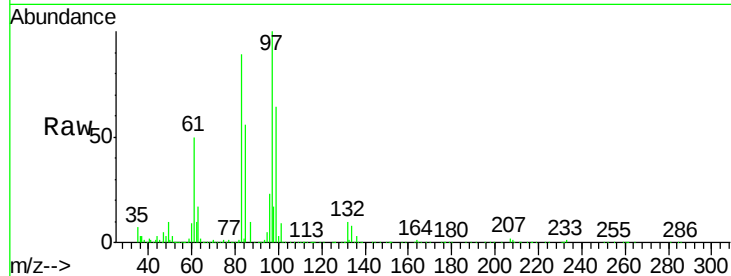
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		272857		
83	89.0	67.3	100.9		
85	56.2	46.6	69.8		
99	63.5	49.7	74.5		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 44.228 ug/l

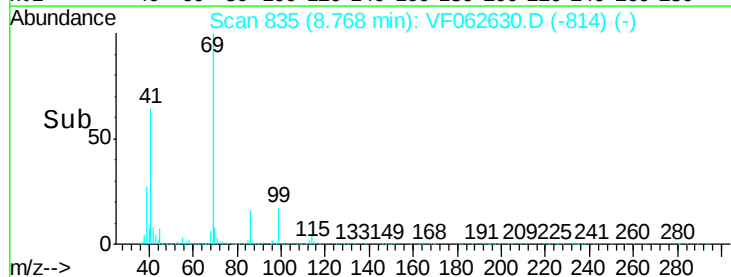
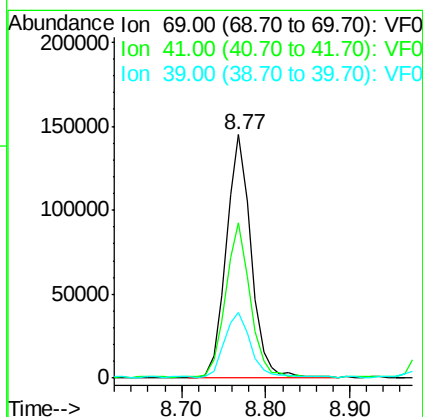
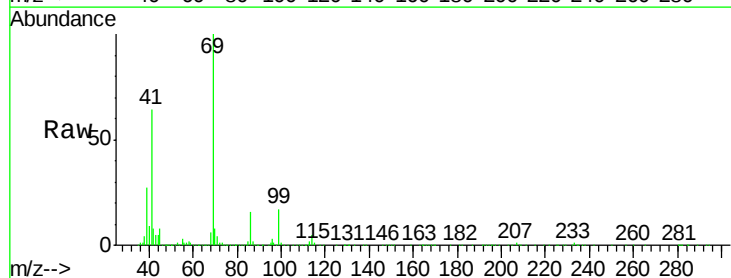
RT: 8.77 min Scan# 835

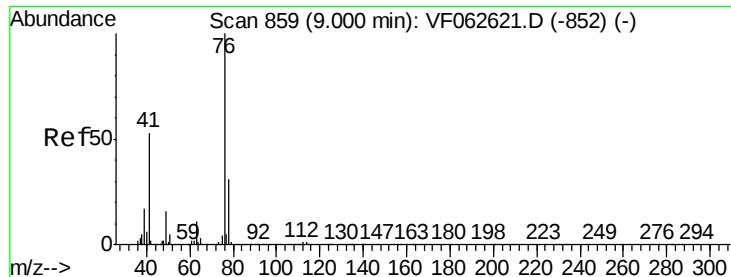
Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		296486		
41	63.9	51.4	77.2		
39	27.1	23.6	35.4		





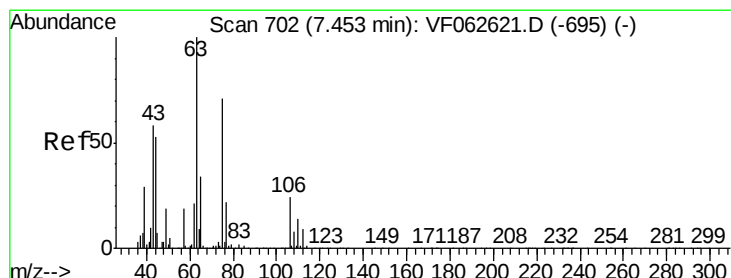
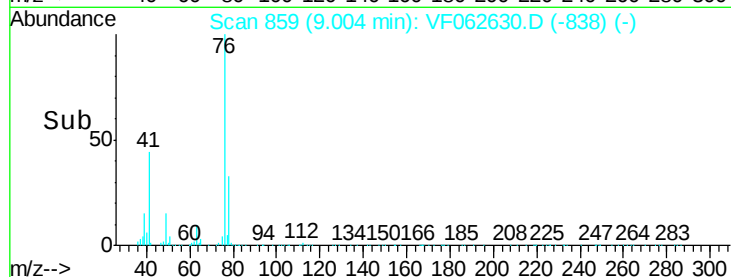
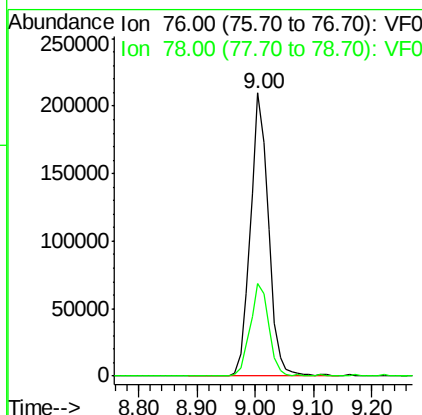
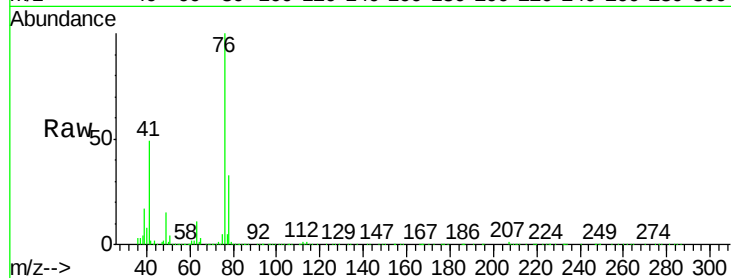
#57
 1,3-Dichloropropane
 Concen: 47.856 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.4	38.0

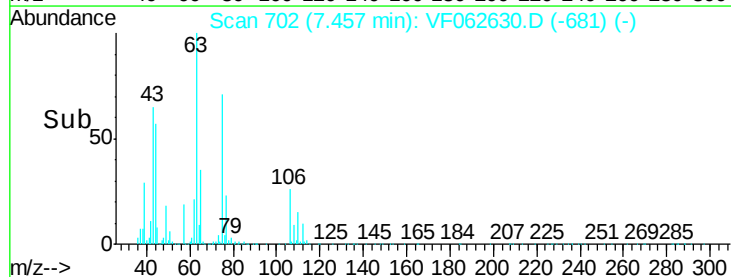
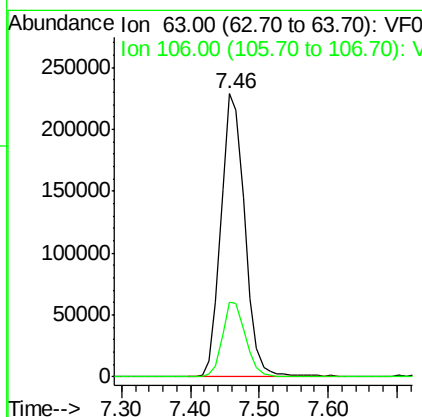
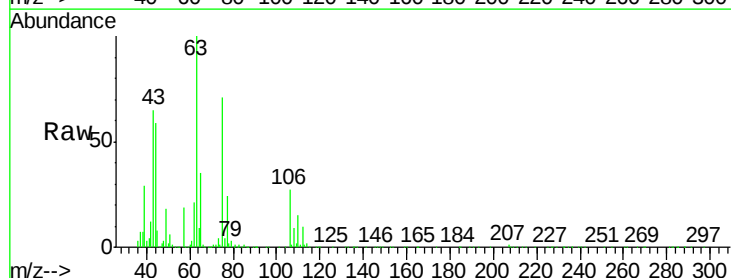
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 250.809 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	19.1	28.7





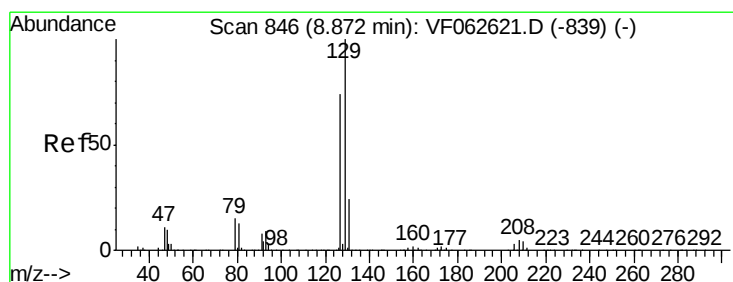
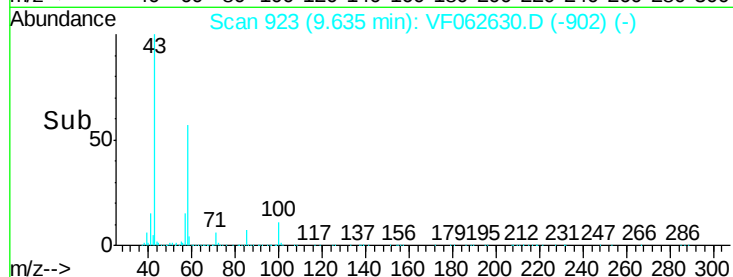
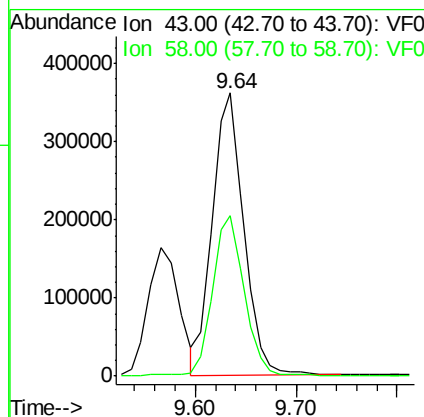
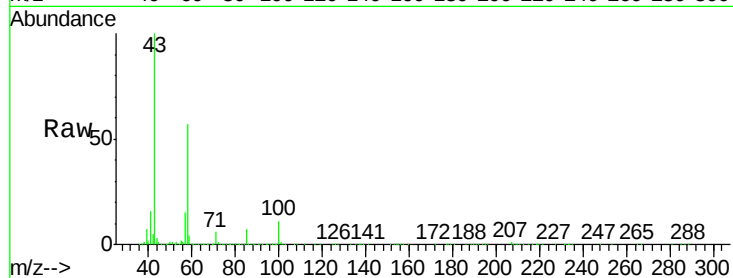
#59
2-Hexanone
Concen: 249.797 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	28.1	84.4

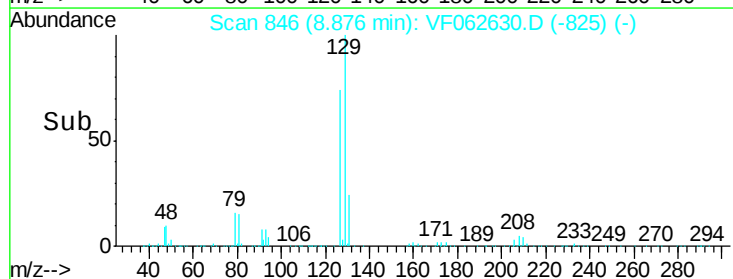
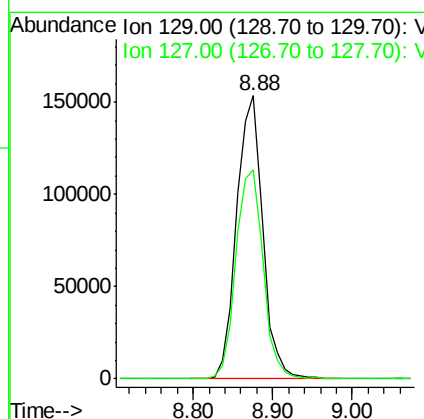
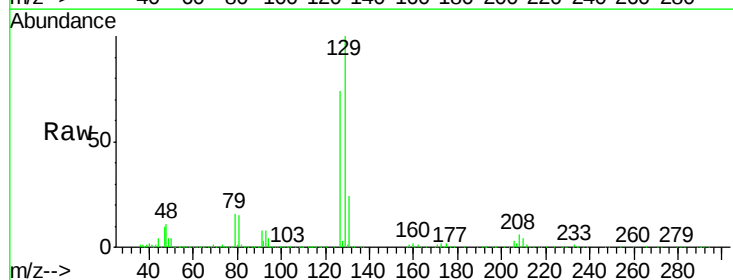
Manual Integrations
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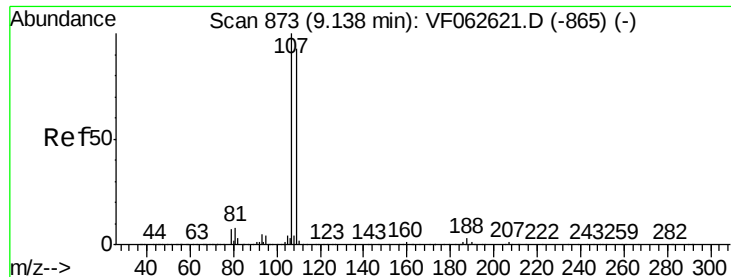
MMDadoda
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#60
Dibromochloromethane
Concen: 48.136 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.1	37.2	111.6





#61

1,2-Dibromoethane

Concen: 48.378 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 289131

Ion Ratio Lower Upper

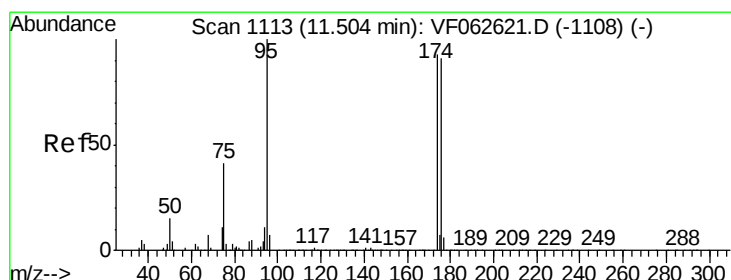
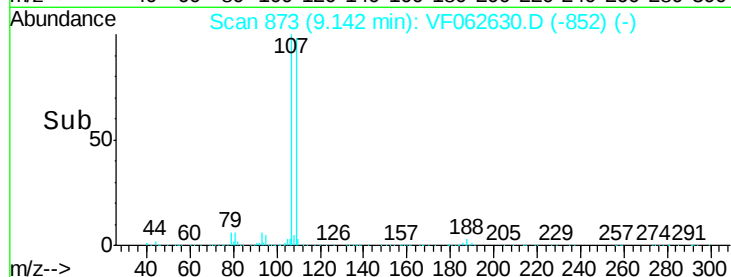
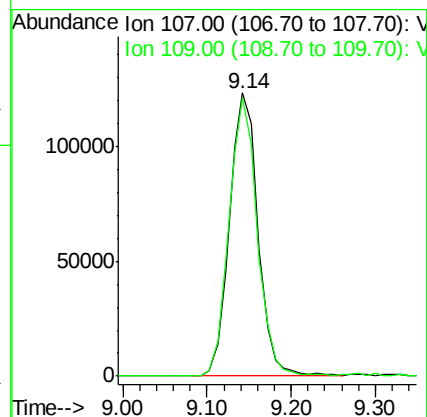
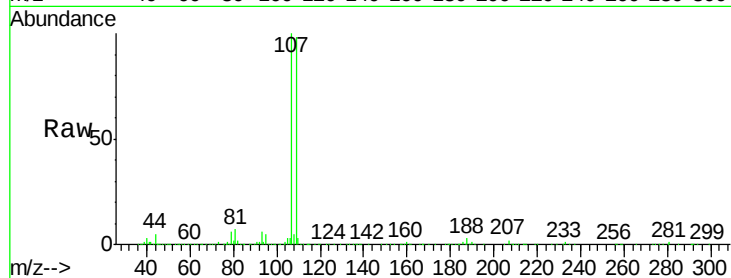
107 100

109 98.2 74.8 112.2

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#62

4-Bromofluorobenzene

Concen: 51.141 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

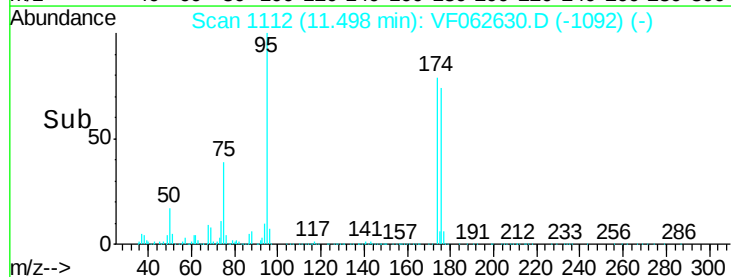
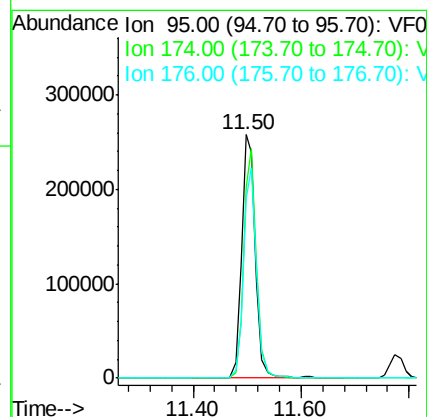
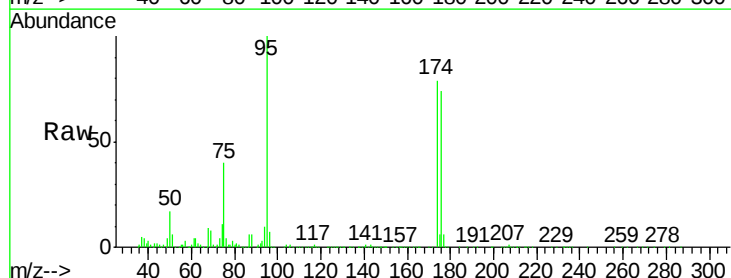
Tgt Ion: 95 Resp: 459995

Ion Ratio Lower Upper

95 100

174 78.5 0.0 185.6

176 74.0 0.0 182.4





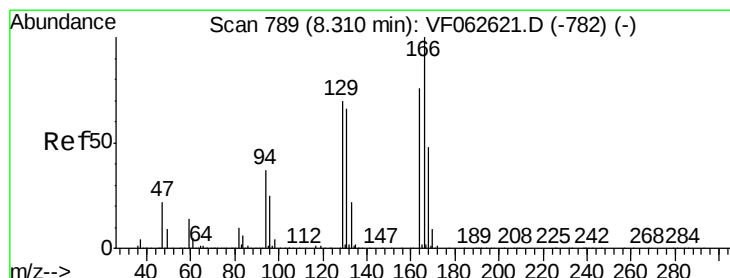
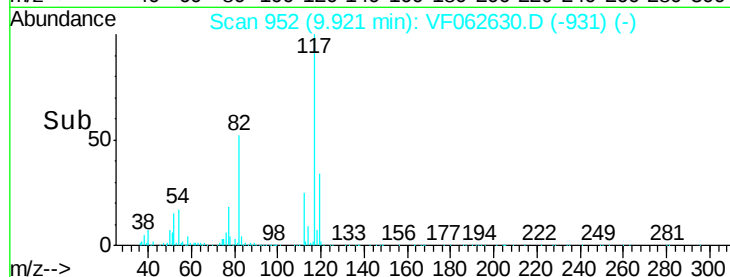
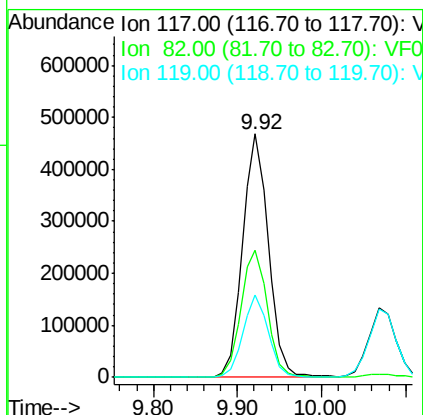
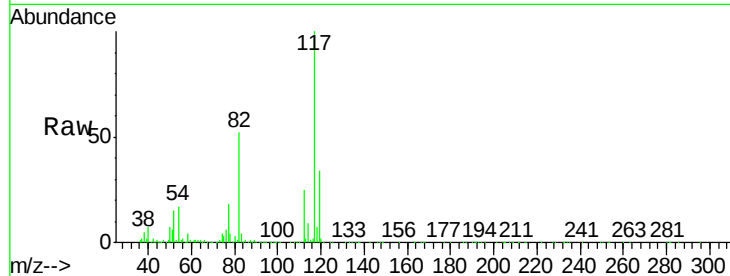
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	43.3	64.9
119	33.6	27.4	41.0

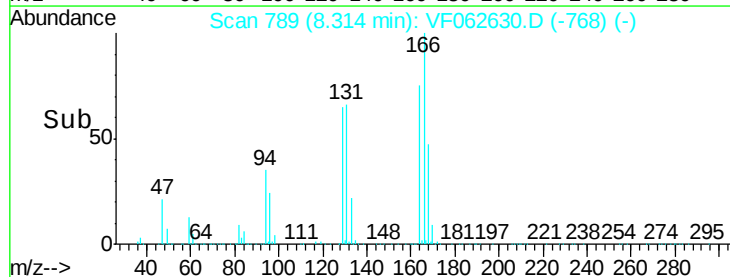
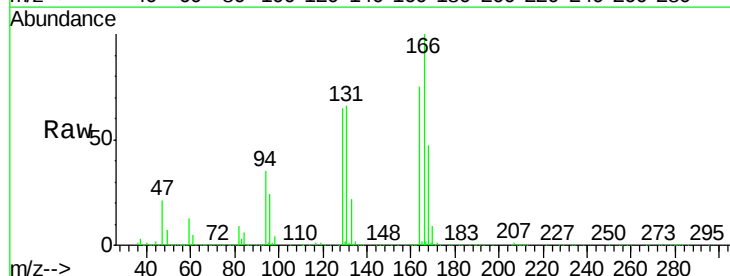
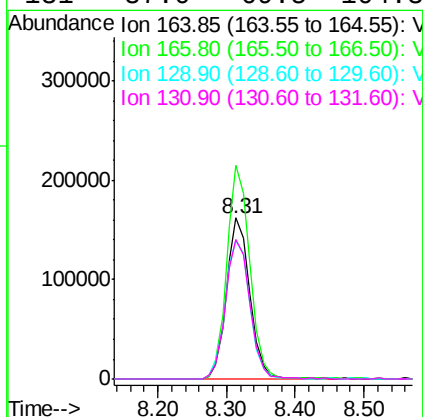
Manual Integrations
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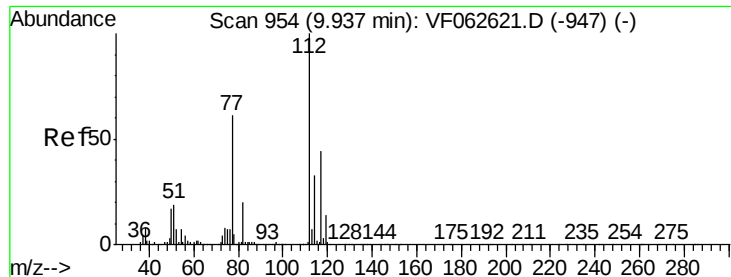
MMDadoda
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#64
Tetrachloroethene
Concen: 47.923 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	105.5	158.3
129	86.3	73.8	110.6
131	87.0	69.5	104.3





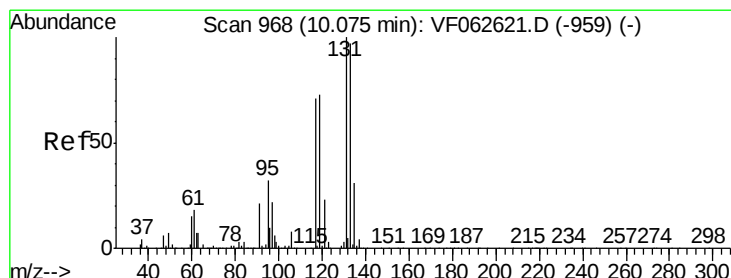
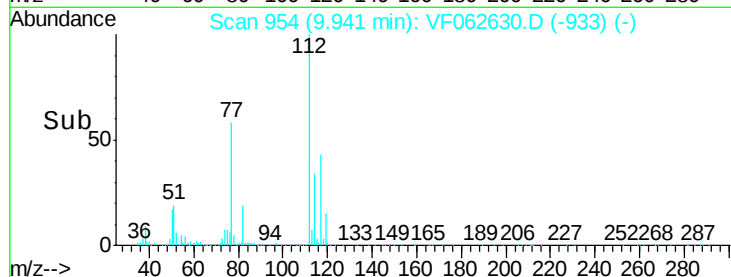
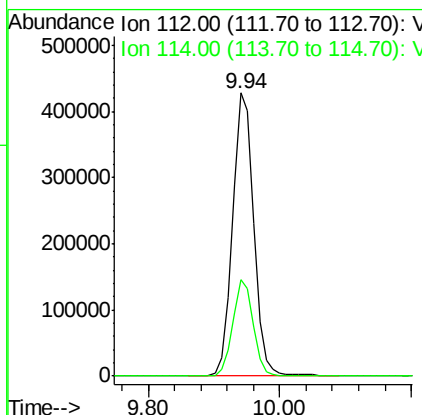
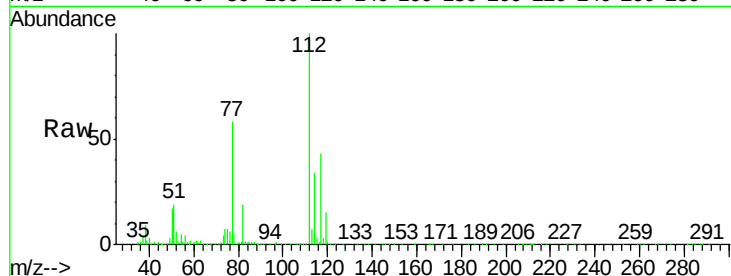
#65
Chlorobenzene
Concen: 49.244 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.8	40.2

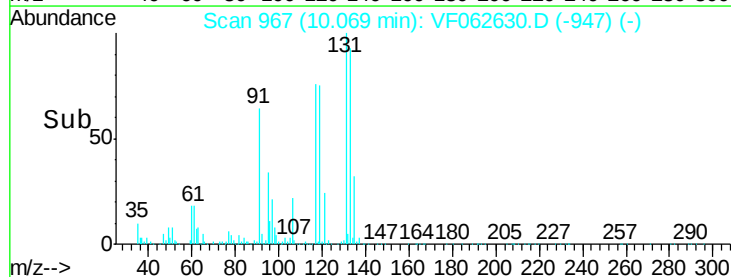
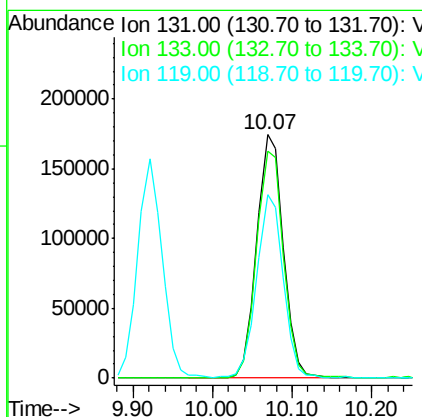
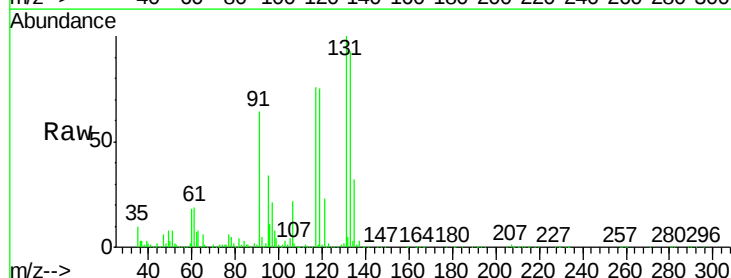
Manual Integrations
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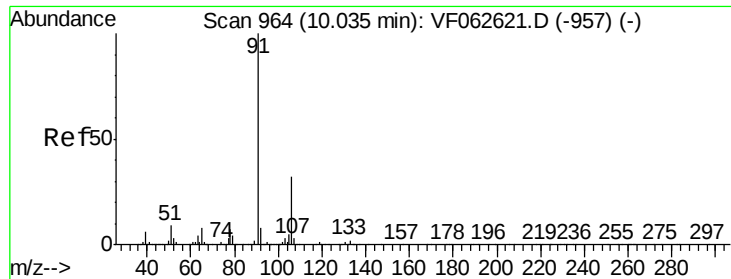
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	48.5	145.5
119	75.1	36.8	110.4





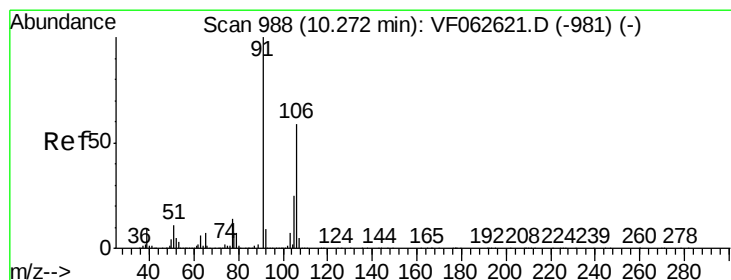
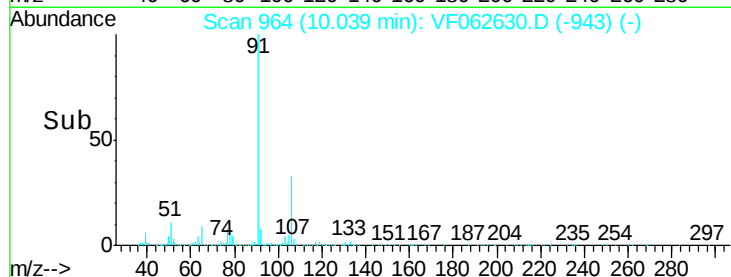
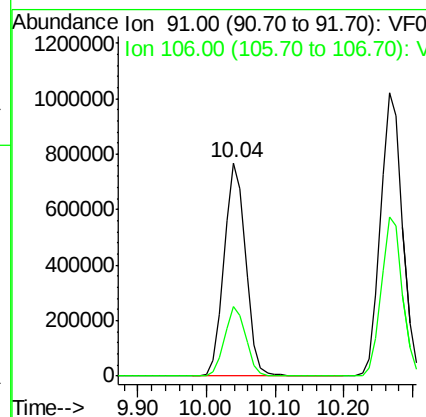
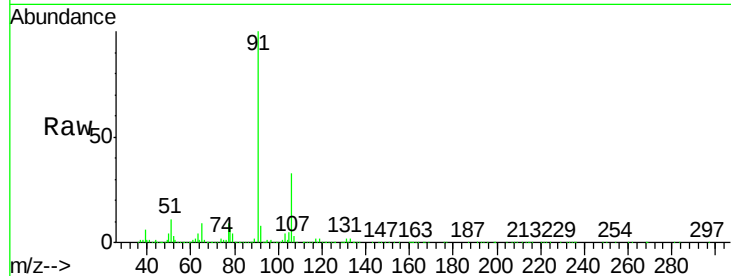
#67
Ethyl Benzene
Concen: 48.907 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1673900
Ion Ratio Lower Upper
91 100
106 32.8 25.8 38.8

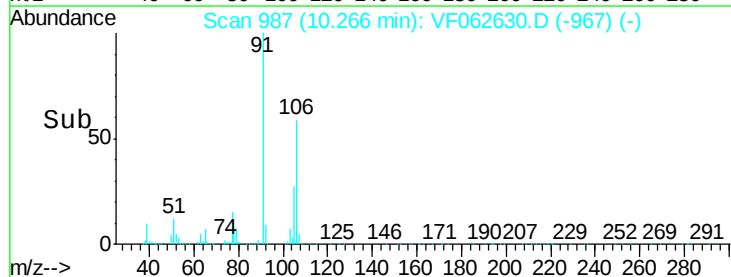
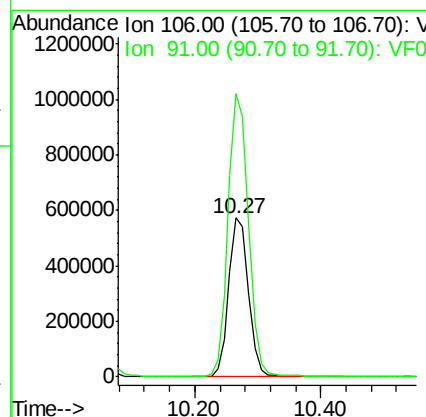
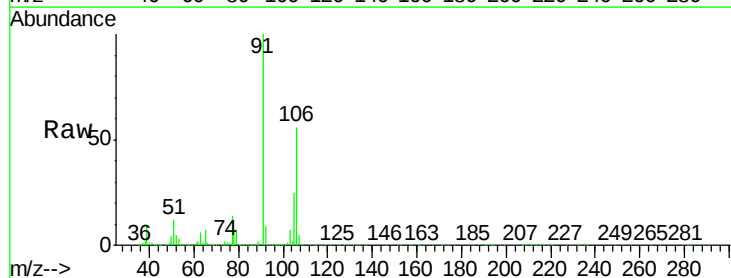
Manual Integrations
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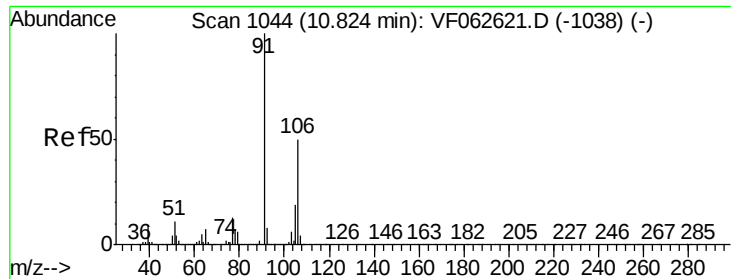
MMDadoda
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#68
m/p-Xylenes
Concen: 97.015 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion: 106 Resp: 1247957
Ion Ratio Lower Upper
106 100
91 178.0 136.9 205.3





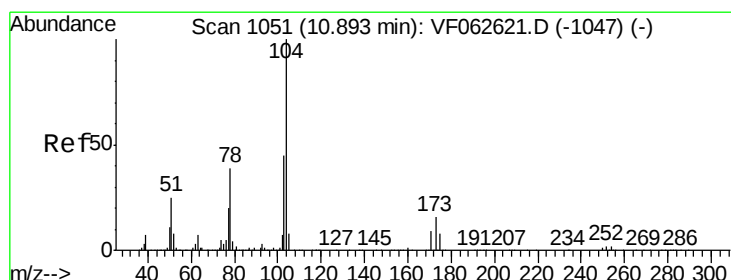
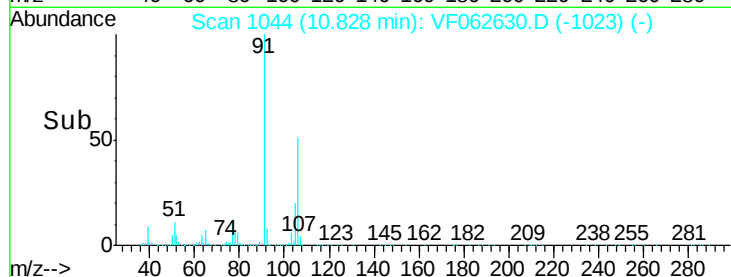
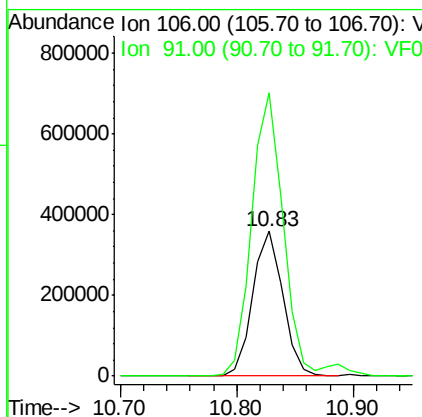
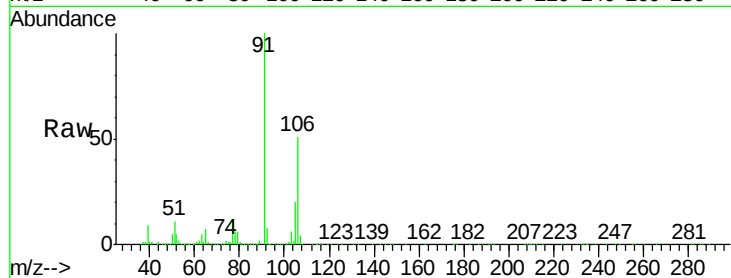
#69
o-Xylene
Concen: 48.962 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	195.2	100.2	300.5

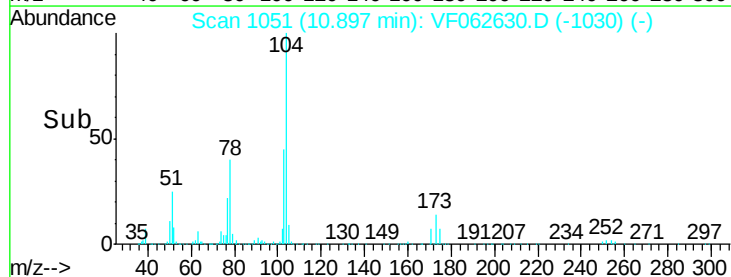
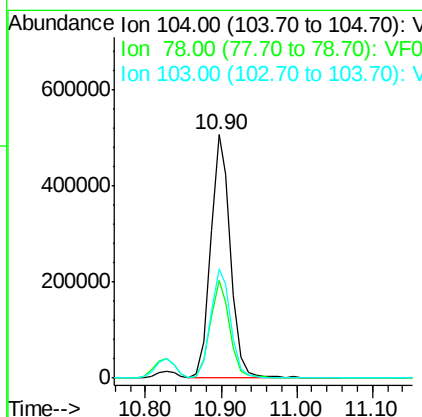
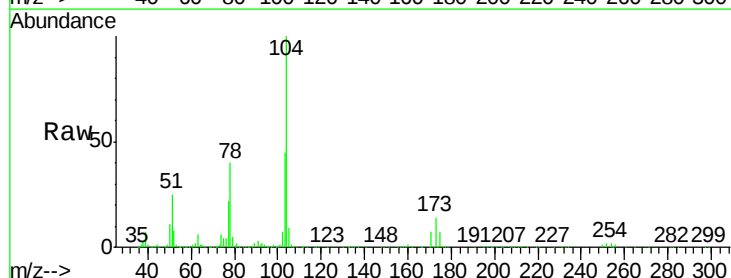
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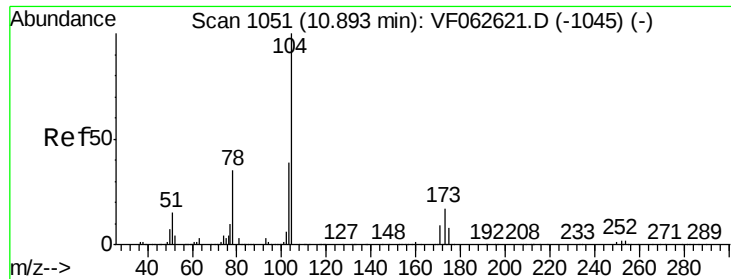
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#70
Styrene
Concen: 46.051 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.3	31.9	47.9
103	44.7	36.1	54.1





#71

Bromoform

Concen: 48.590 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

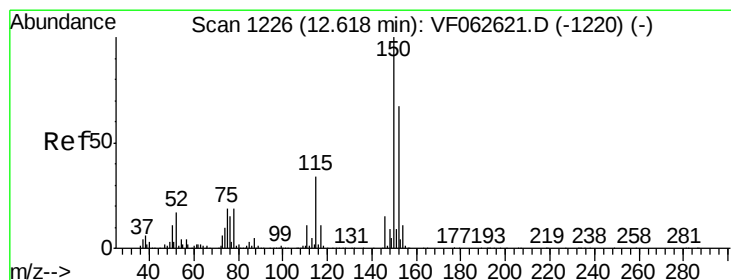
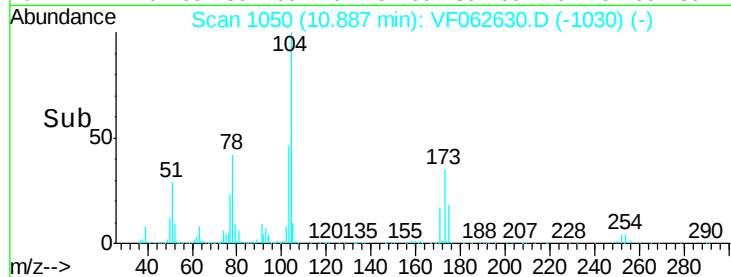
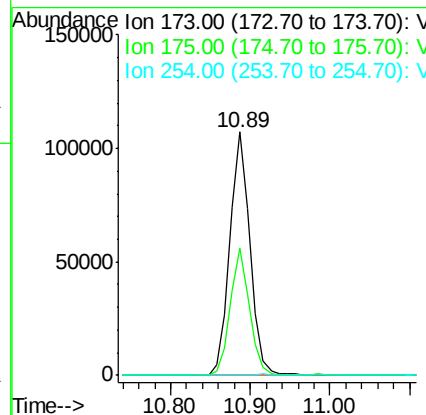
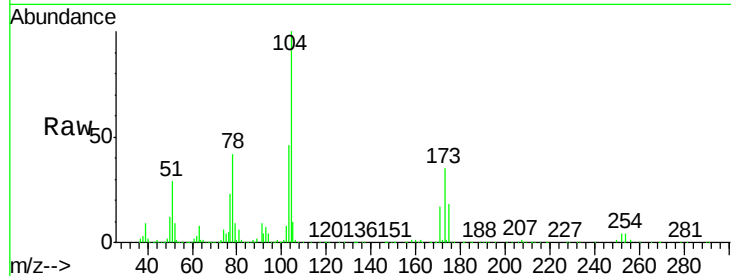
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	192474
Ion Ratio	Lower	Upper	
173	100		
175	51.5	25.3	75.9
254	0.0	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

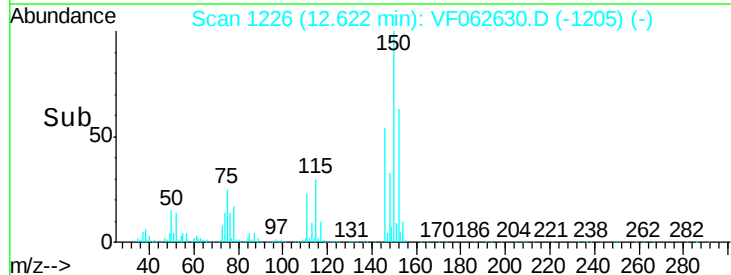
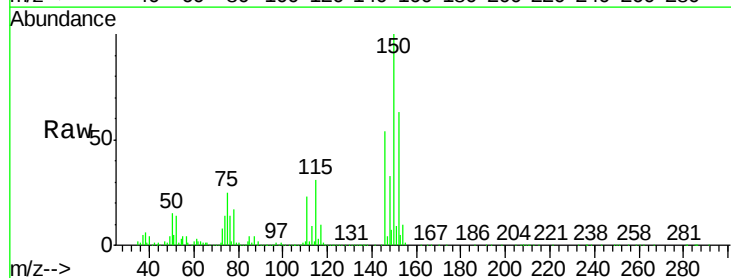
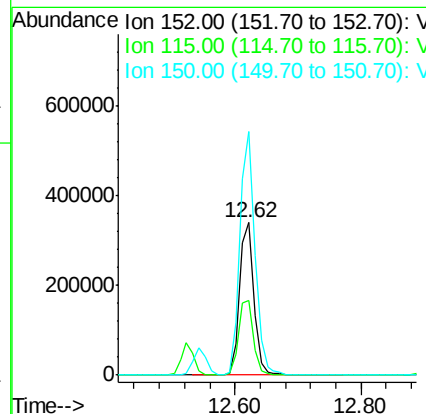
RT: 12.62 min Scan# 1226

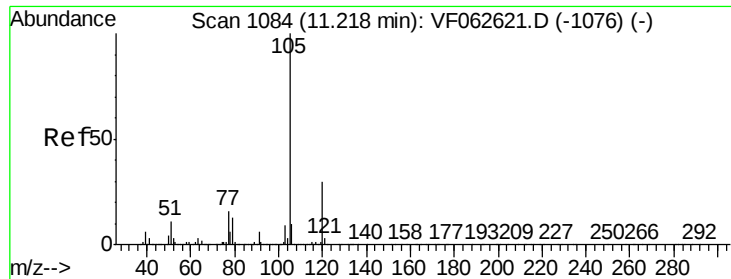
Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	152	Resp:	523727
Ion Ratio	Lower	Upper	
152	100		
115	48.8	25.2	75.6
150	159.7	0.0	306.2





#73

Isopropylbenzene

Concen: 46.164 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1732828

Ion Ratio Lower Upper

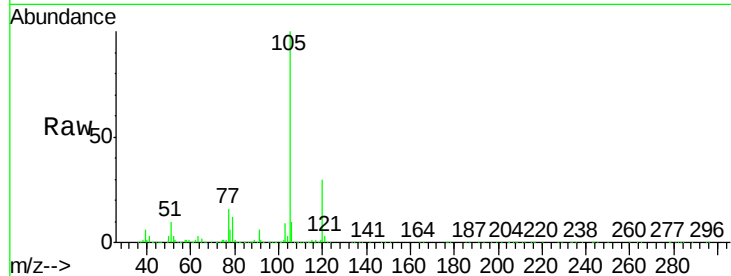
105 100

120 29.5 14.8 44.4

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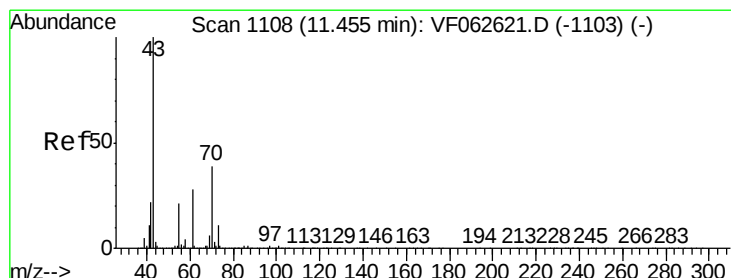
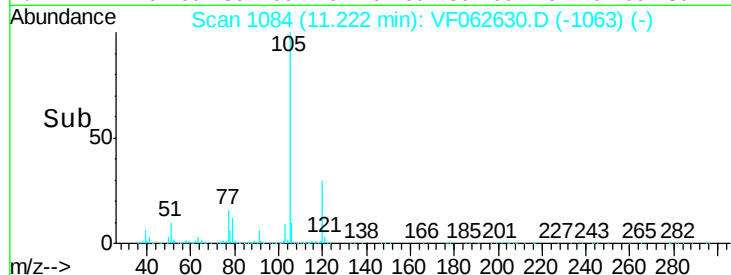
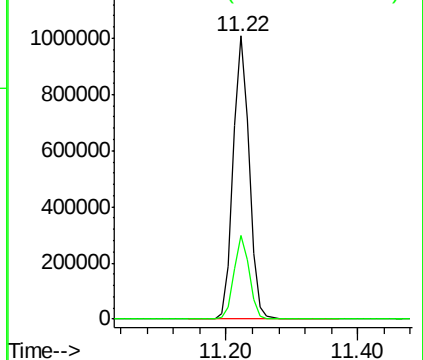
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.248 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion: 43 Resp: 420007

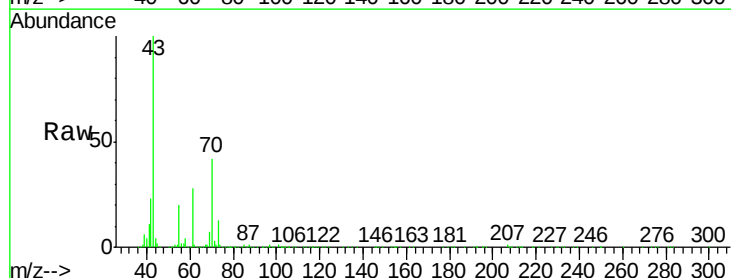
Ion Ratio Lower Upper

43 100

70 42.3 30.9 46.3

55 19.5 17.0 25.4

61 27.5 22.6 34.0

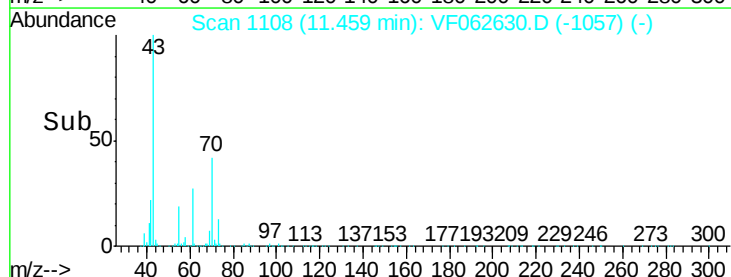
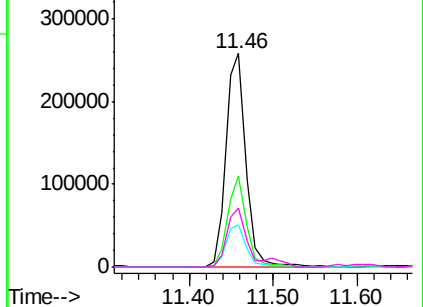


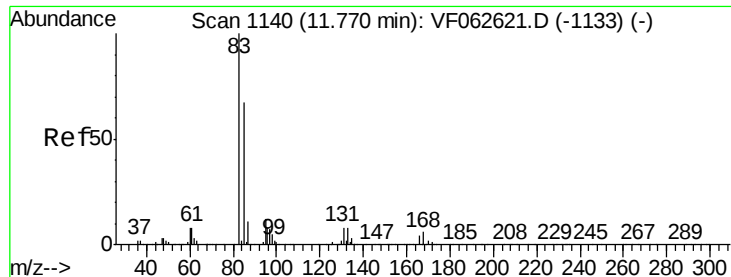
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.603 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

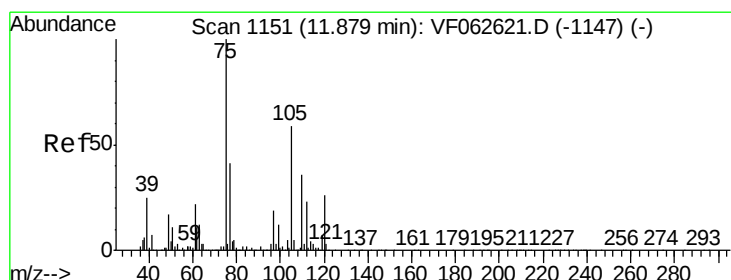
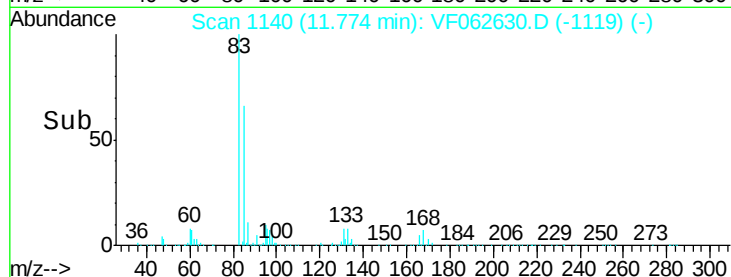
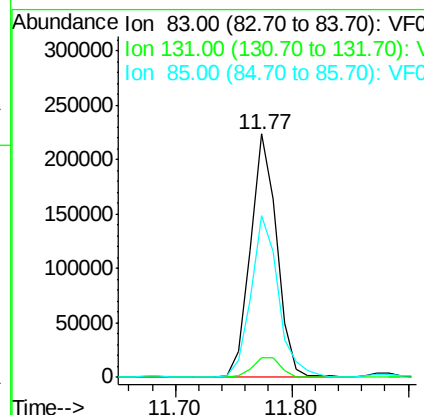
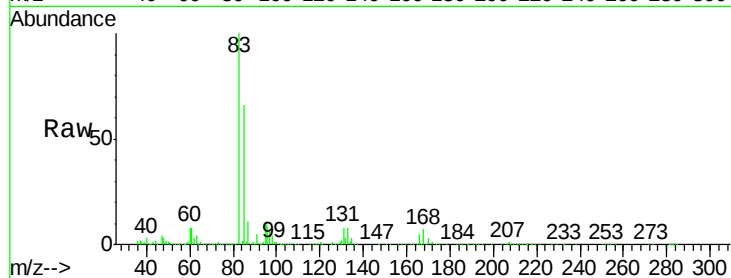
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	349821
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.0	12.0
85	66.3	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.954 ug/l

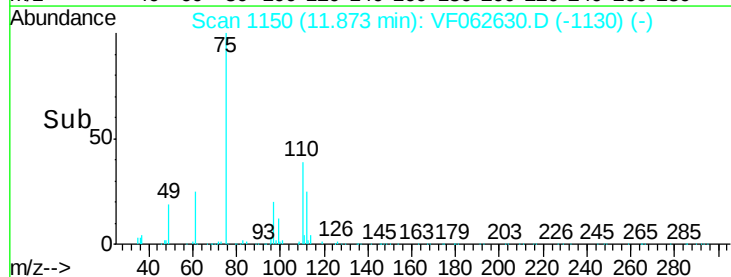
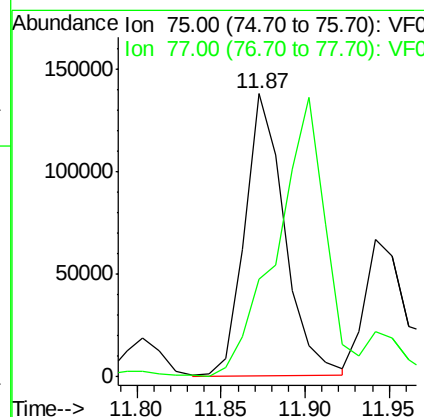
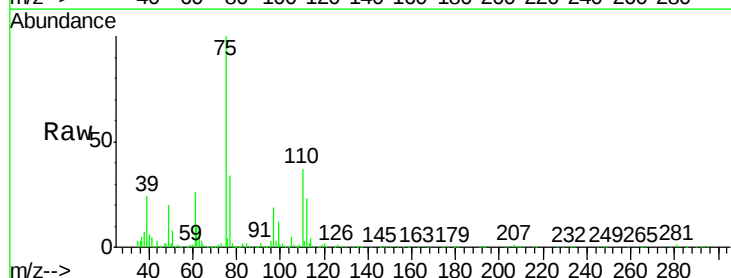
RT: 11.87 min Scan# 1150

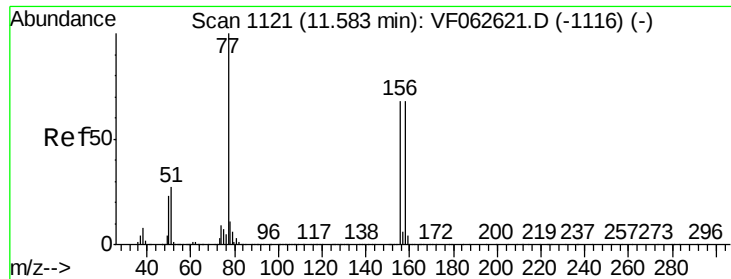
Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	75	Resp:	226584
Ion Ratio	Lower	Upper	
75	100		
77	34.4	20.6	61.8





#77

Bromobenzene

Concen: 46.400 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

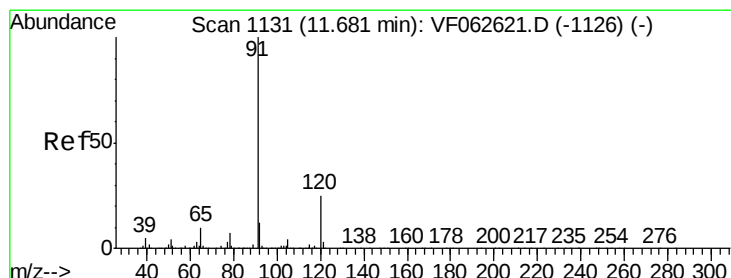
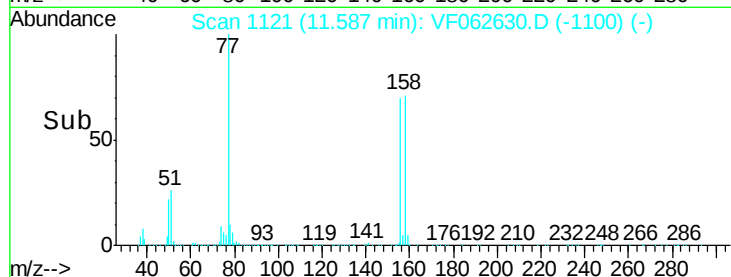
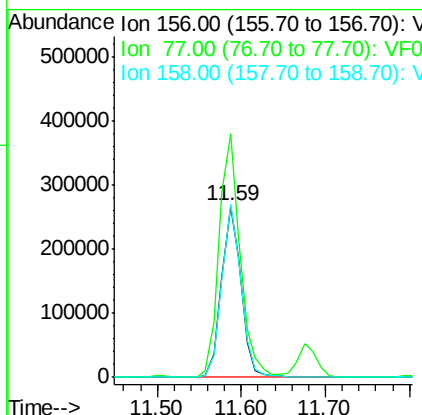
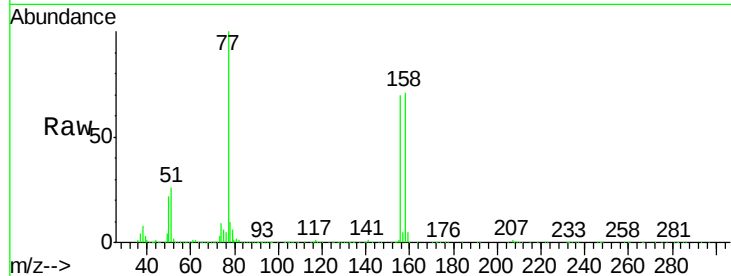
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	432928
Ion Ratio	Lower	Upper	
156	100		
77	142.4	73.6	220.8
158	101.5	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.492 ug/l

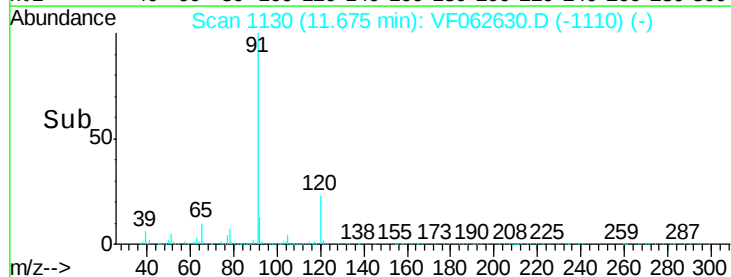
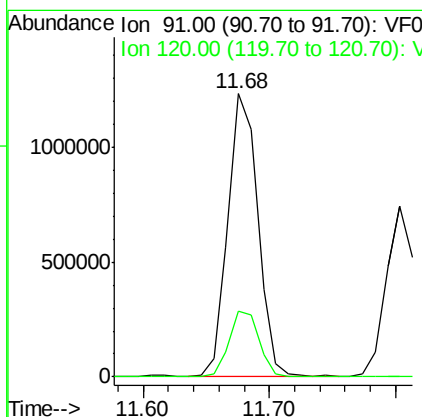
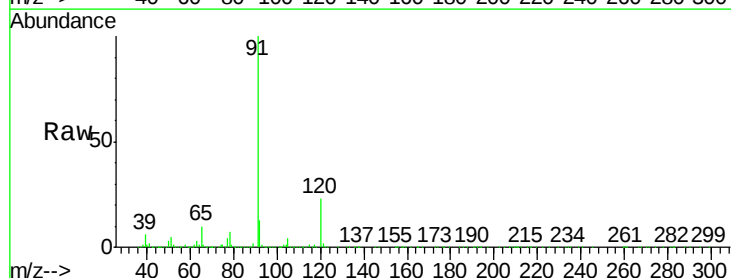
RT: 11.68 min Scan# 1130

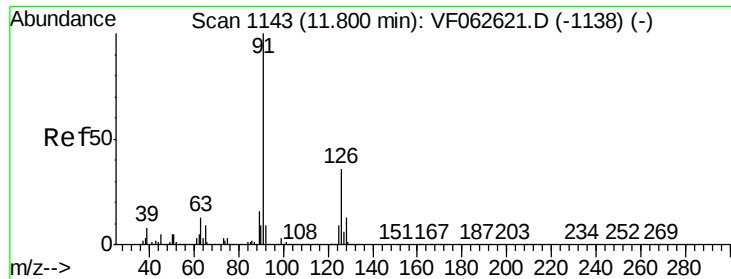
Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	91	Resp:	2020876
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.7	38.1





#79

2-Chlorotoluene

Concen: 47.449 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1187891

Ion Ratio Lower Upper

91 100

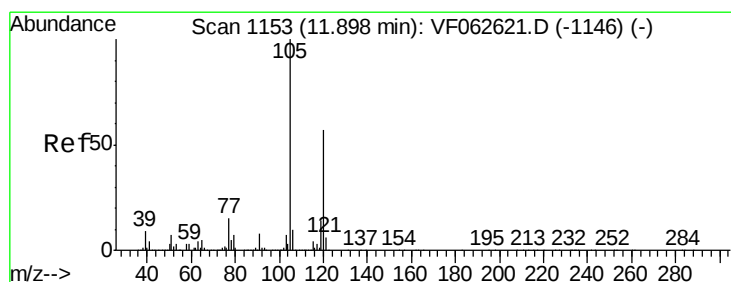
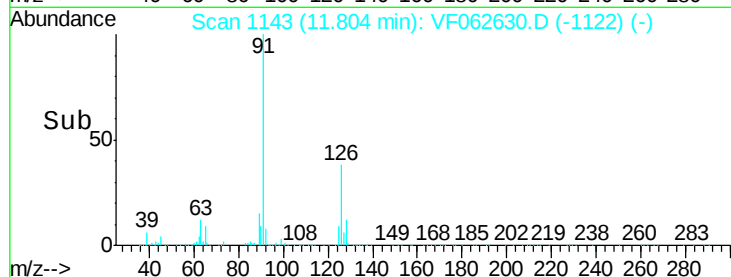
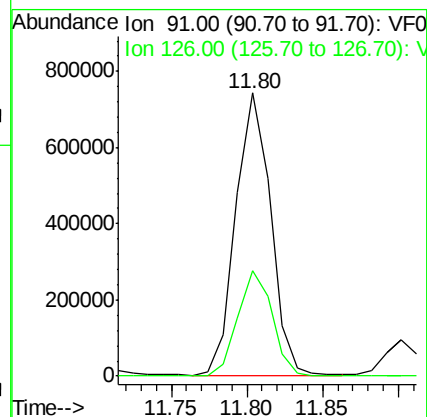
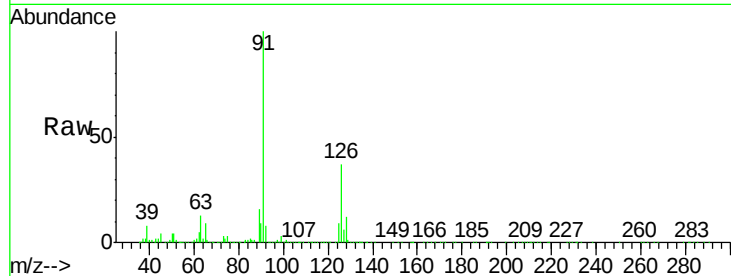
126 37.4 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 48.397 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062630.D

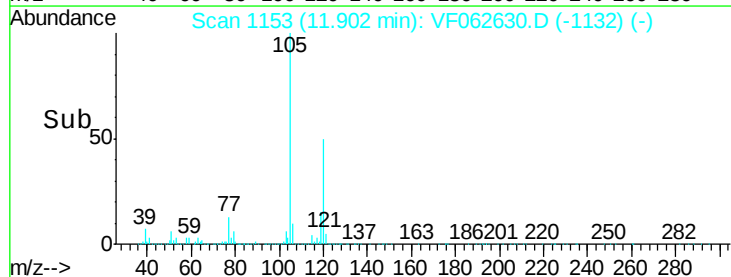
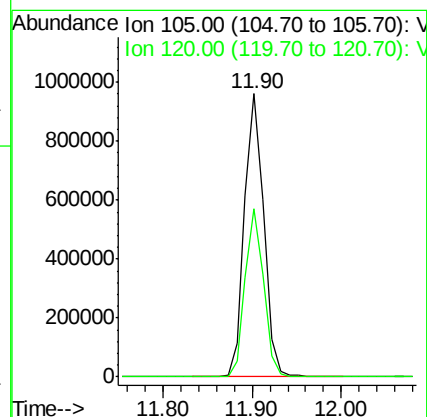
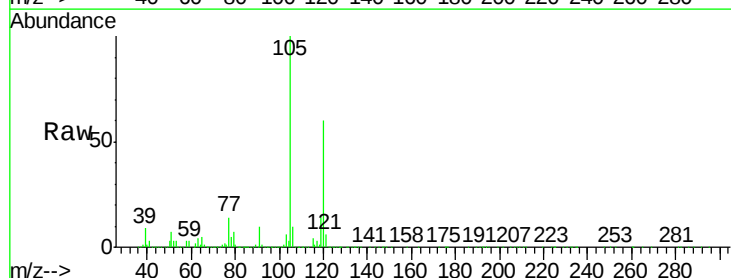
Acq: 17 May 2019 10:03

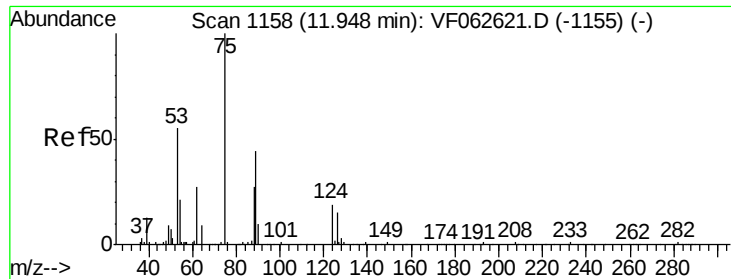
Tgt Ion: 105 Resp: 1456684

Ion Ratio Lower Upper

105 100

120 59.5 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 45.703 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

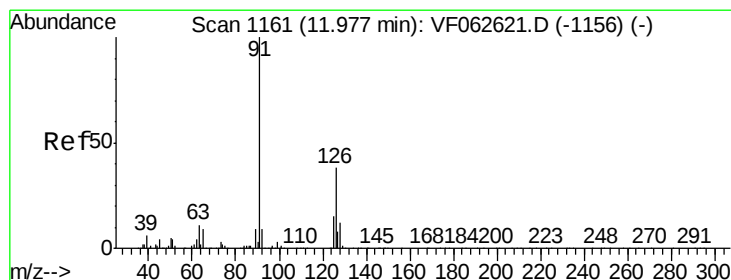
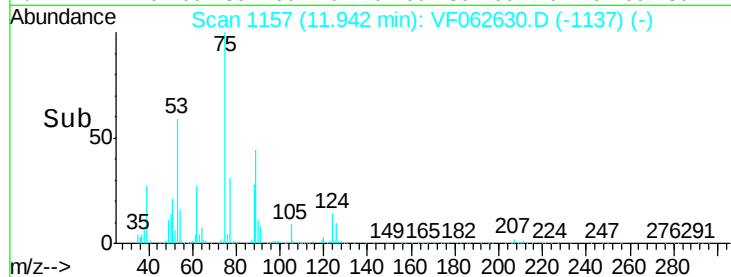
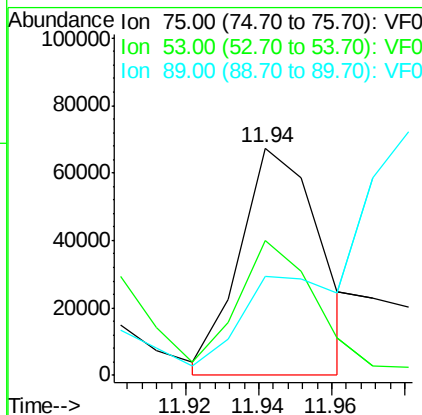
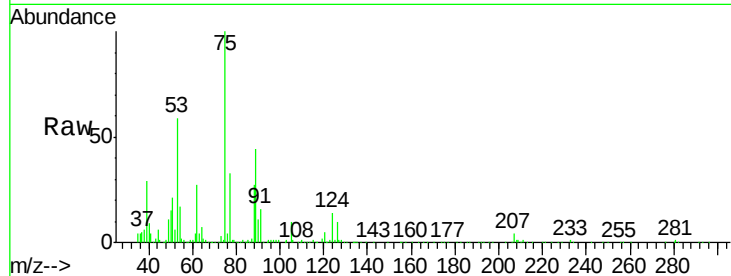
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	102396
Ion Ratio	Lower	Upper	
75	100		
53	59.3	46.9	70.3
89	43.8	36.4	54.6

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#82

4-Chlorotoluene

Concen: 47.402 ug/l

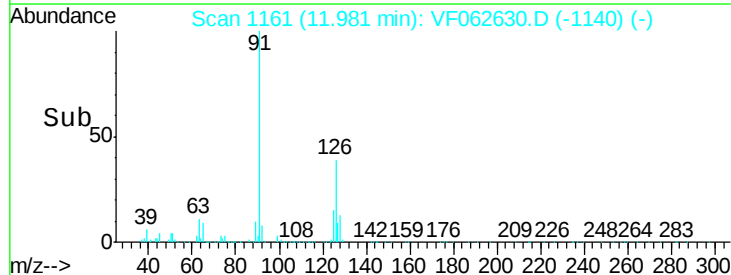
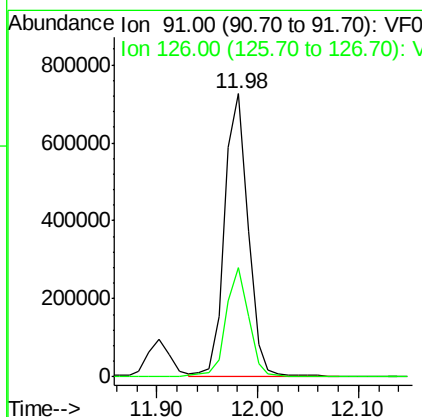
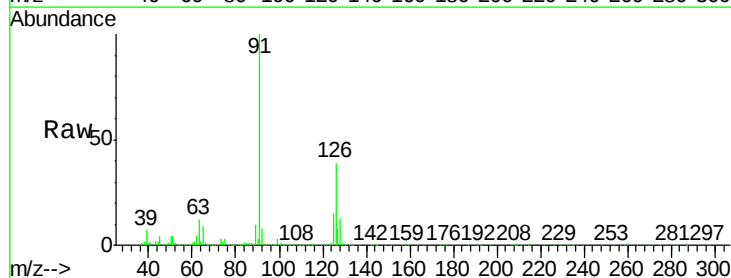
RT: 11.98 min Scan# 1161

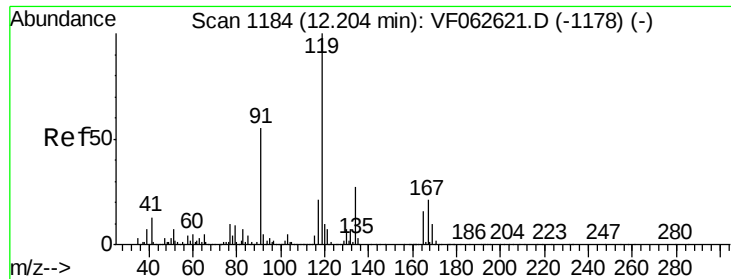
Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	91	Resp:	1170271
Ion Ratio	Lower	Upper	
91	100		
126	38.6	19.1	57.1





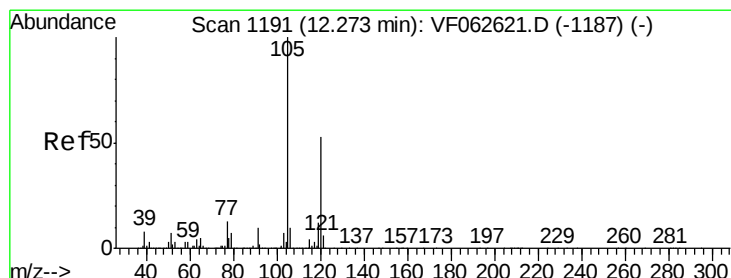
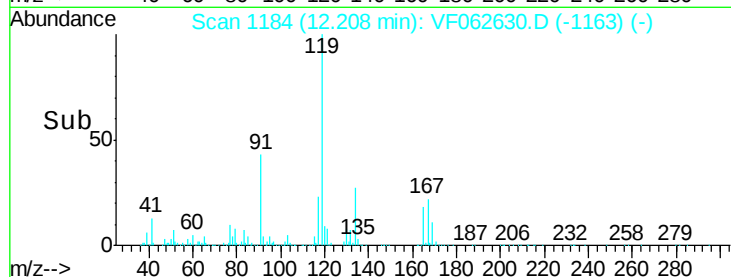
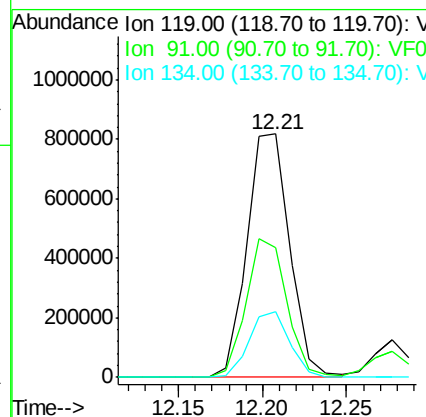
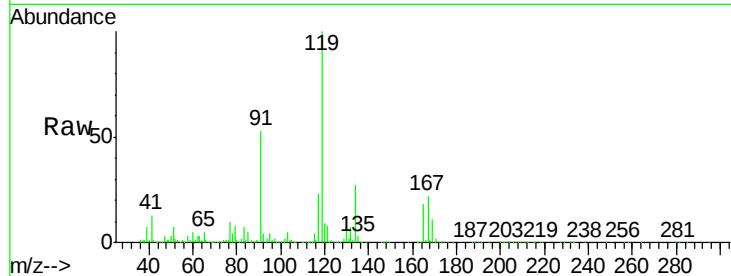
#83
tert-Butylbenzene
Concen: 47.124 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1438986
Ion Ratio Lower Upper
119 100
91 53.1 27.3 81.9
134 27.1 13.6 40.7

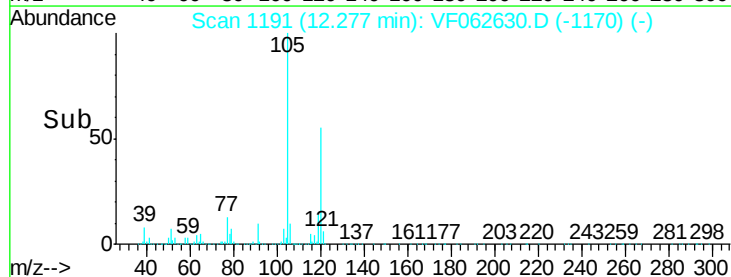
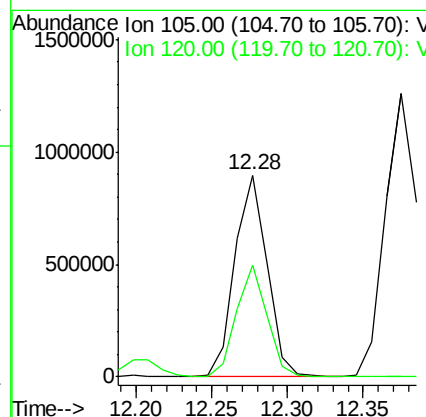
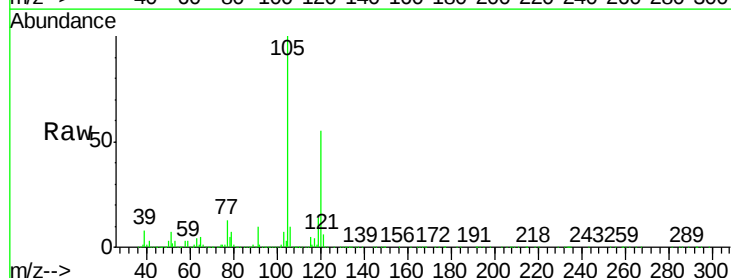
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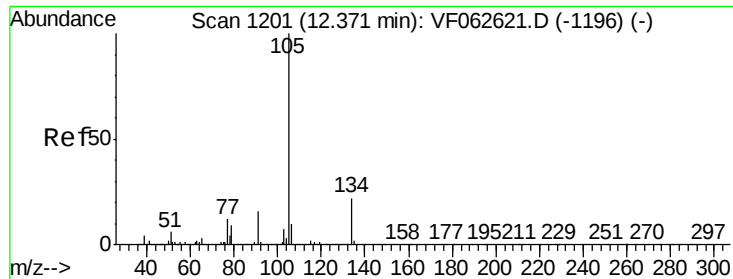
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#84
1,2,4-Trimethylbenzene
Concen: 45.500 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion:105 Resp: 1325473
Ion Ratio Lower Upper
105 100
120 55.2 26.7 80.1





#85

sec-Butylbenzene

Concen: 46.319 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1898155

Ion Ratio Lower Upper

105 100

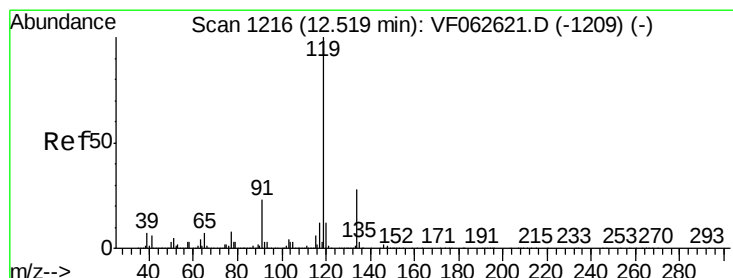
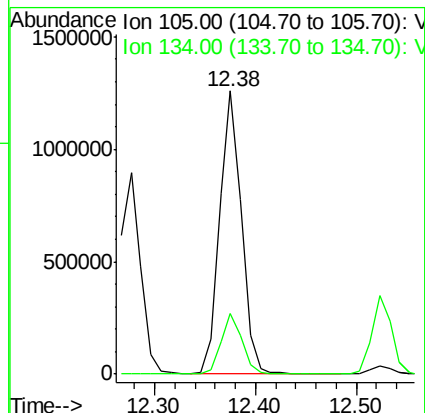
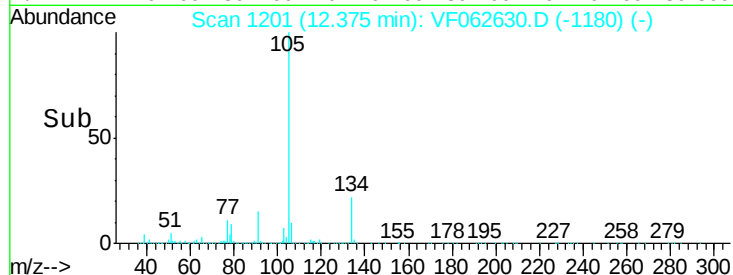
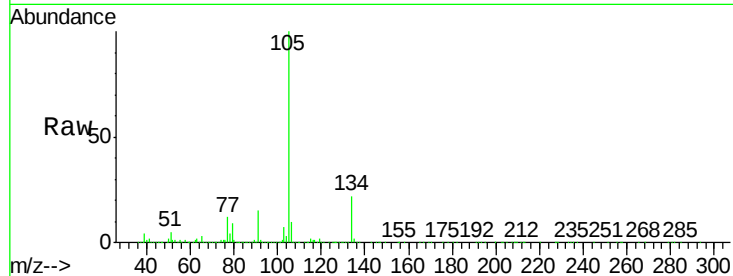
134 21.5 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 48.142 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

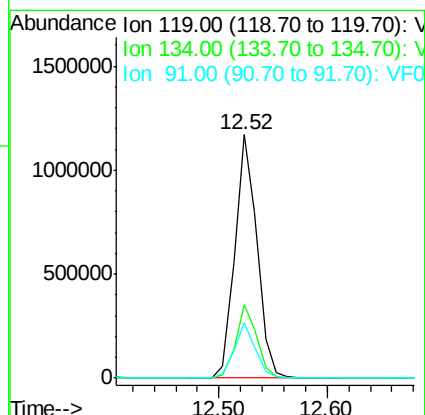
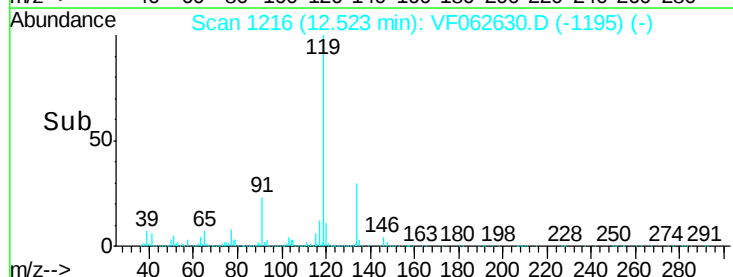
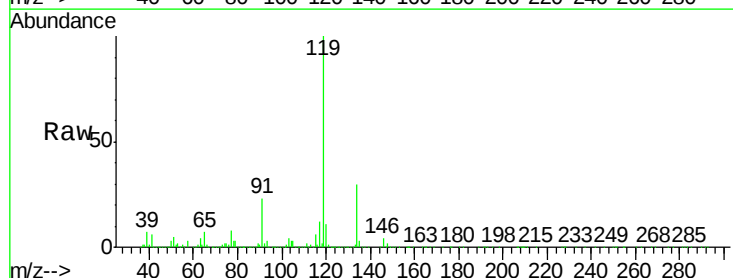
Tgt Ion:119 Resp: 1662646

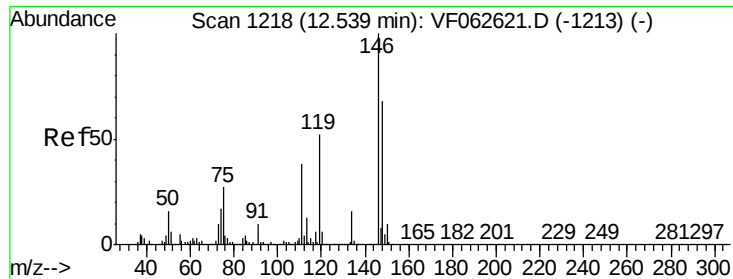
Ion Ratio Lower Upper

119 100

134 29.9 14.1 42.3

91 22.7 11.4 34.2





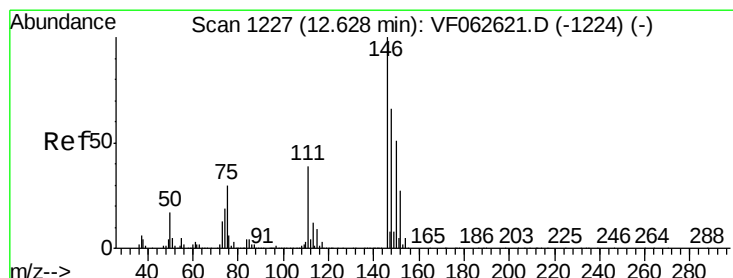
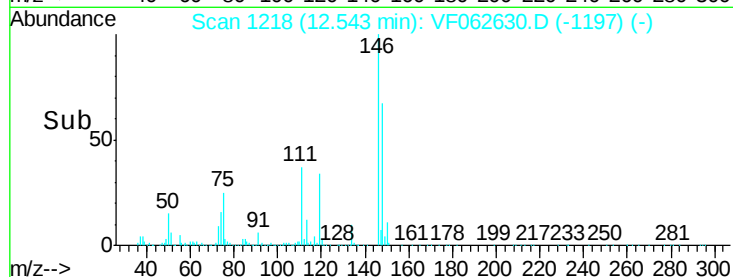
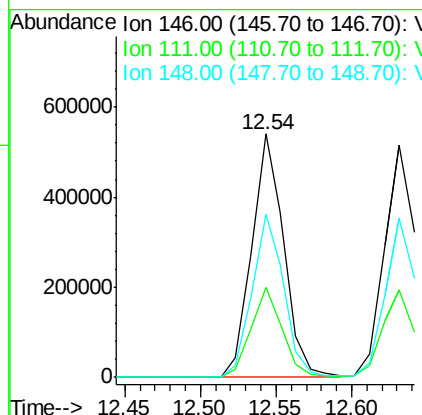
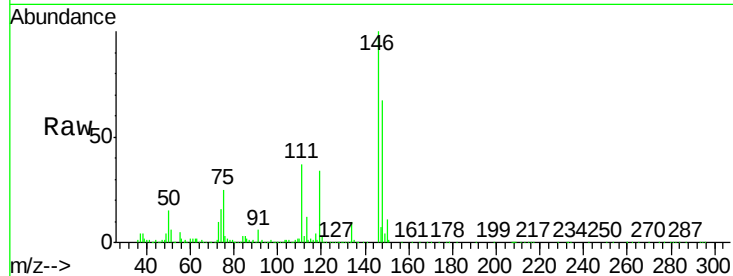
#87
 1,3-Dichlorobenzene
 Concen: 47.130 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	66.9	34.0	101.8

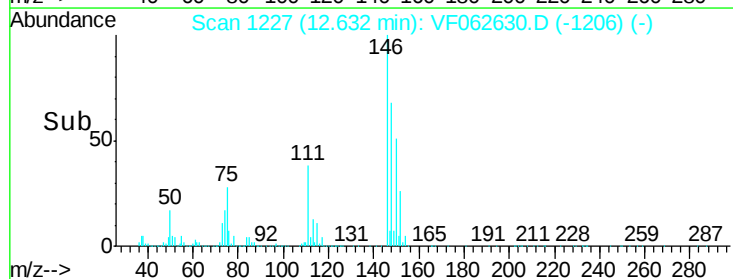
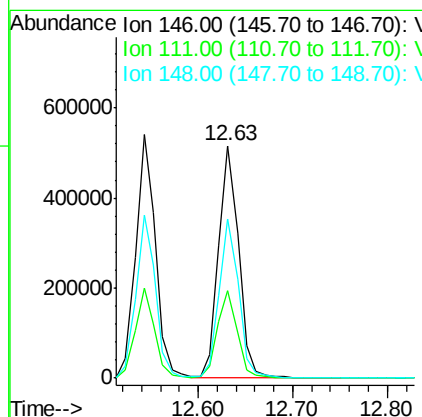
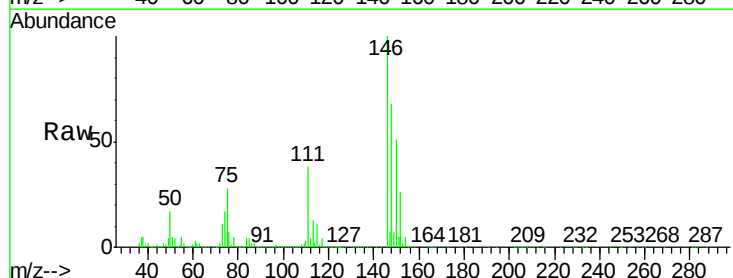
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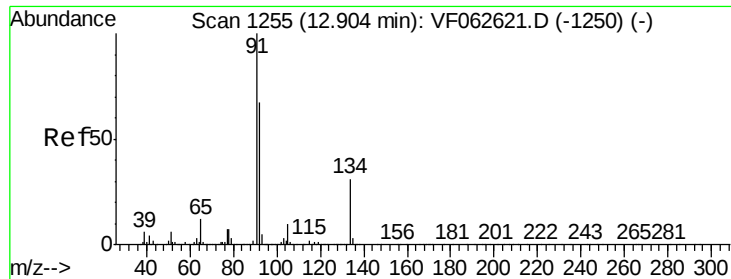
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#88
 1,4-Dichlorobenzene
 Concen: 48.264 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	68.1	33.2	99.6





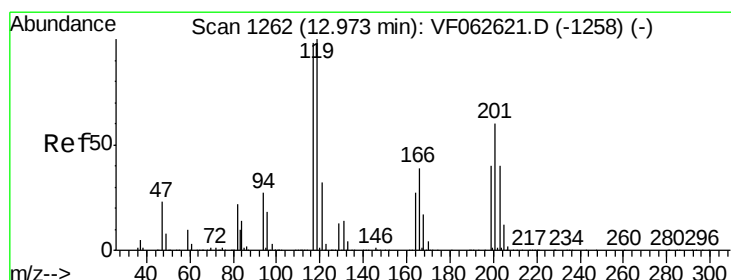
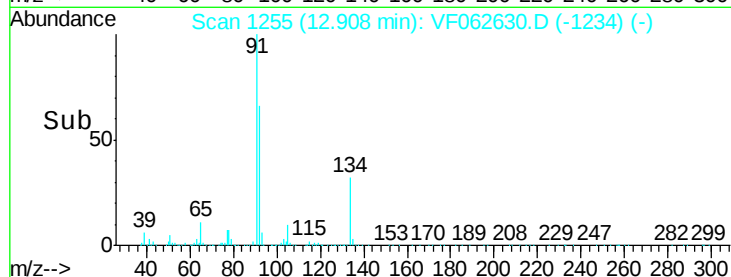
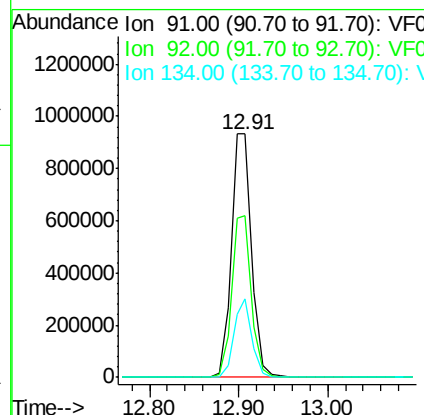
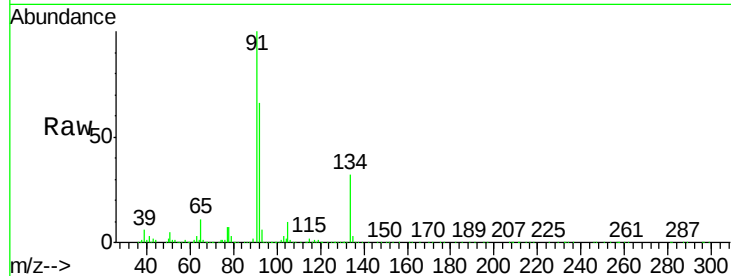
#89
n-Butylbenzene
Concen: 44.165 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.2	33.3	99.8
134	32.0	15.4	46.4

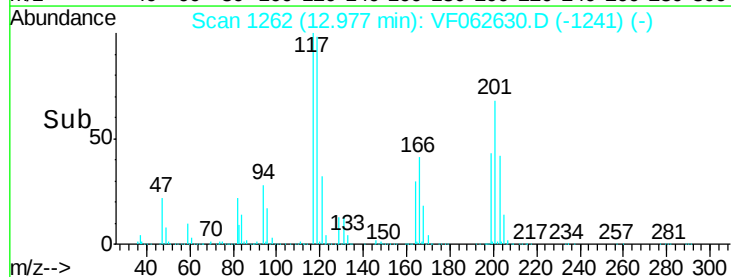
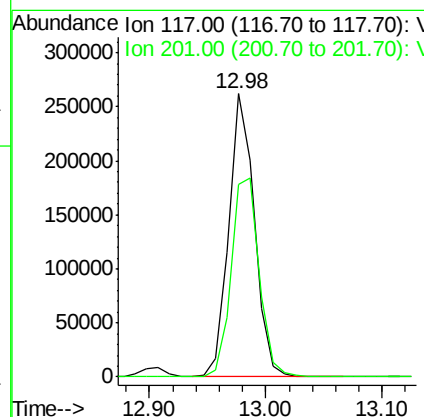
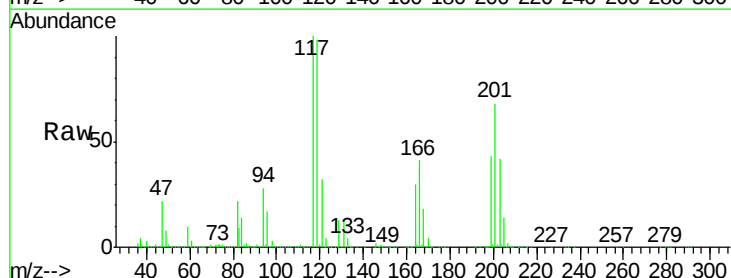
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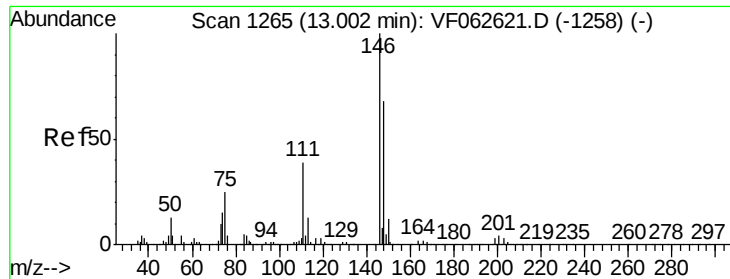
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#90
Hexachloroethane
Concen: 47.993 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062630.D
Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	30.7	92.1





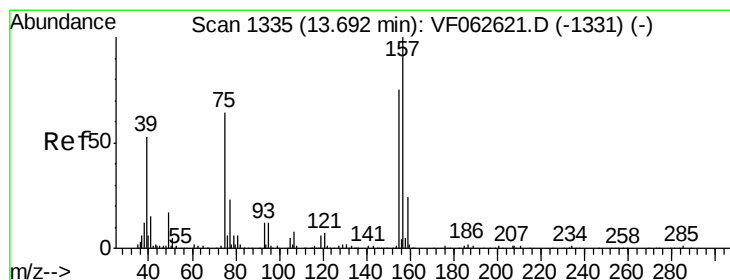
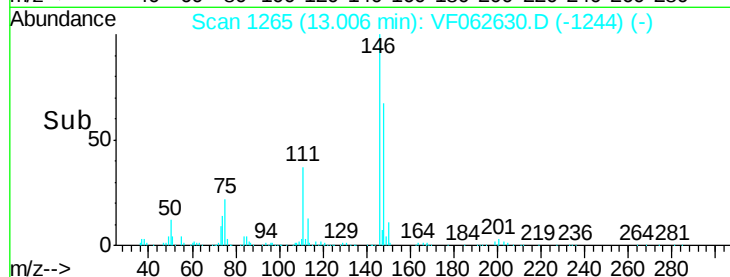
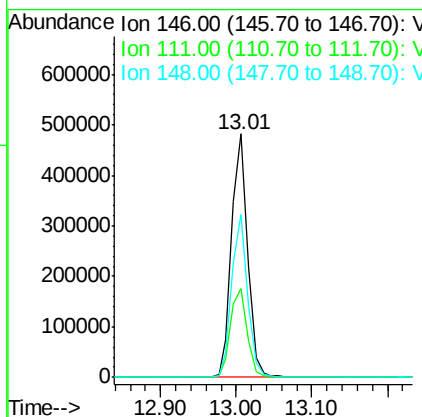
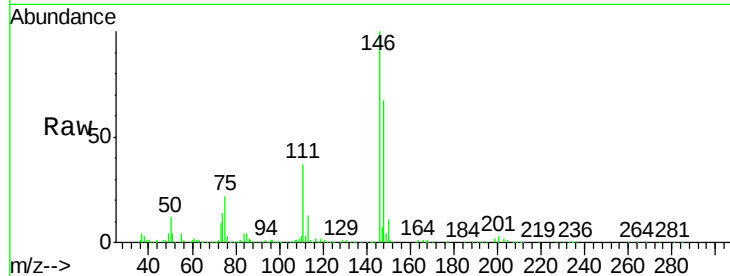
#91
 1,2-Dichlorobenzene
 Concen: 46.622 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.8	59.3
148	67.1	34.1	102.2

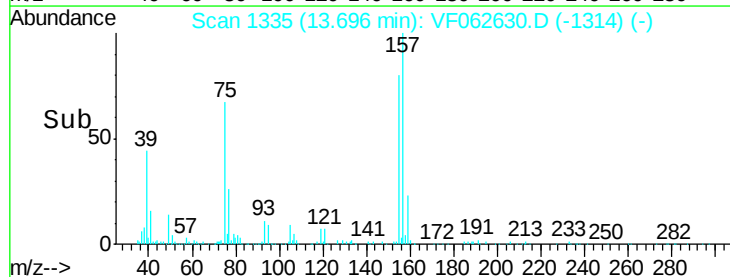
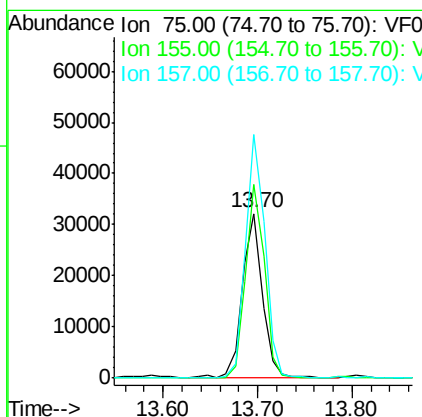
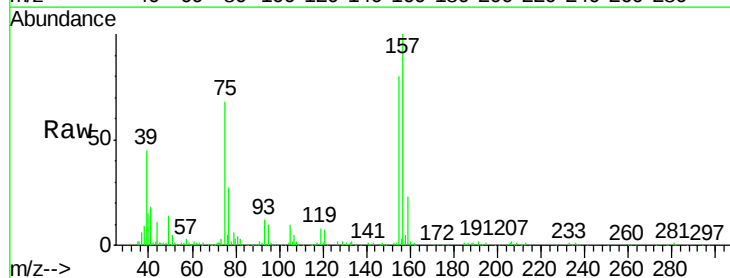
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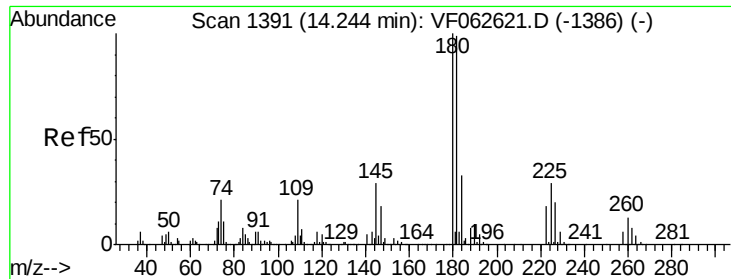
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.409 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062630.D
 Acq: 17 May 2019 10:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	117.9	58.1	174.3
157	148.0	77.8	233.4





#93

1,2,4-Trichlorobenzene

Concen: 47.196 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

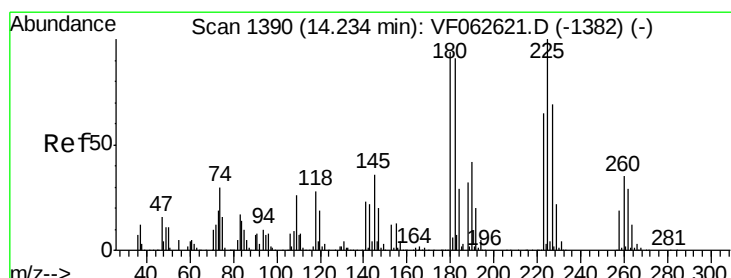
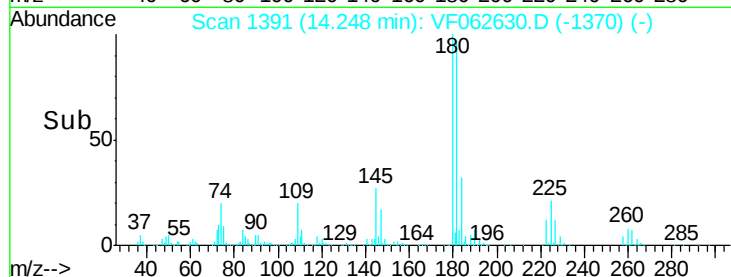
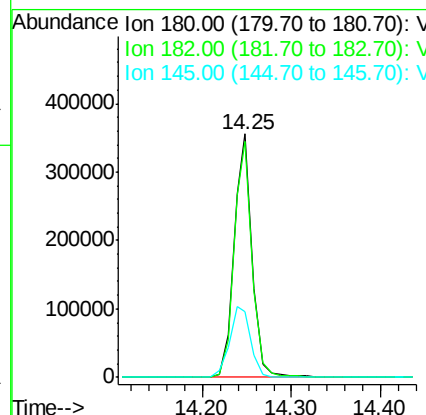
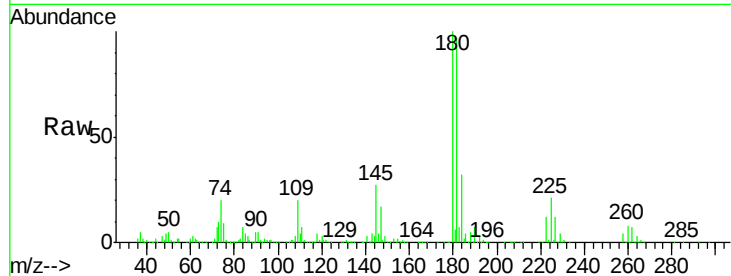
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	508337
Ion Ratio	Lower	Upper	
180	100		
182	96.8	49.7	149.1
145	27.0	14.6	44.0

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#94

Hexachlorobutadiene

Concen: 50.387 ug/l

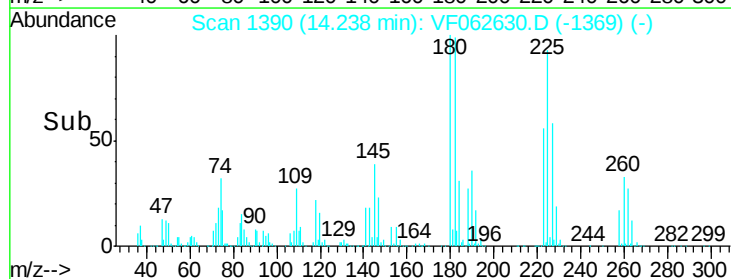
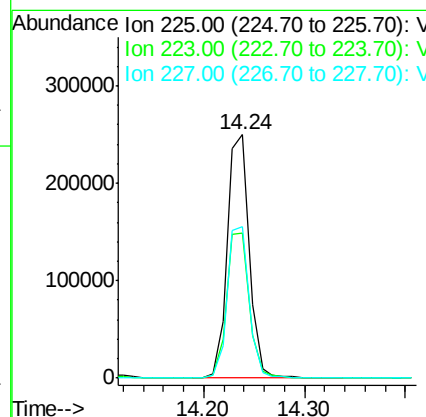
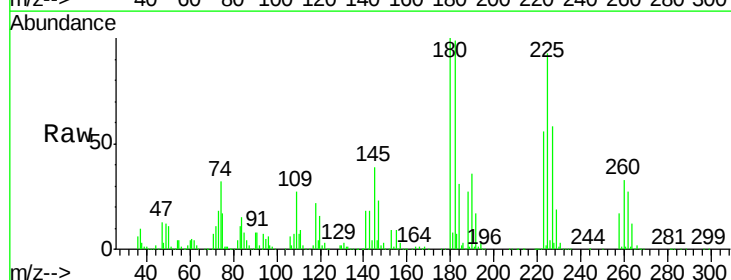
RT: 14.24 min Scan# 1390

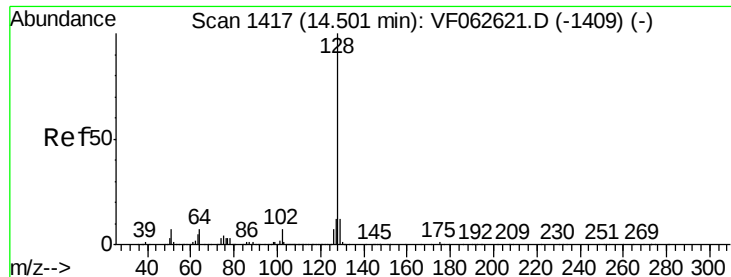
Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	225	Resp:	378741
Ion Ratio	Lower	Upper	
225	100		
223	59.7	32.5	97.4
227	62.1	34.5	103.5





#95

Naphthalene

Concen: 44.616 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Instrument :

MSVOA_F

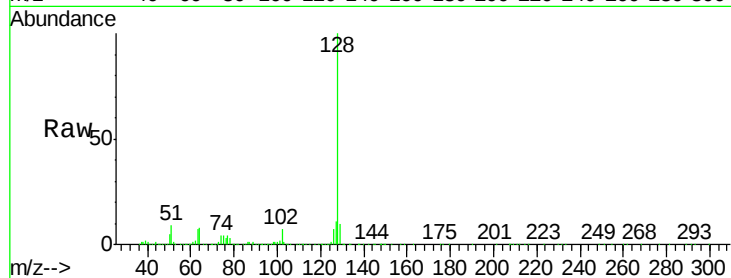
ClientSampleId :

VSTDCCC050

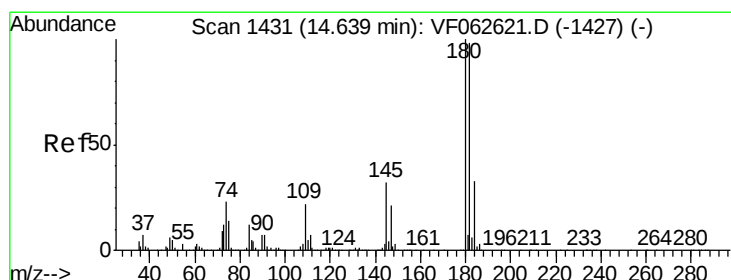
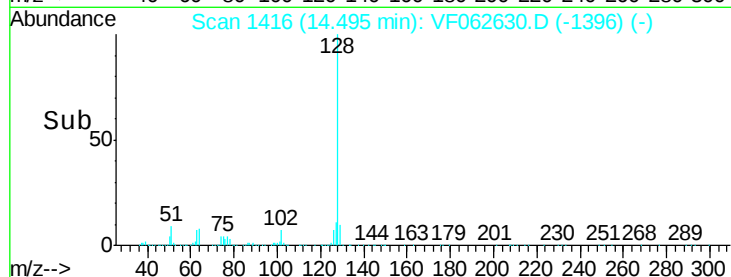
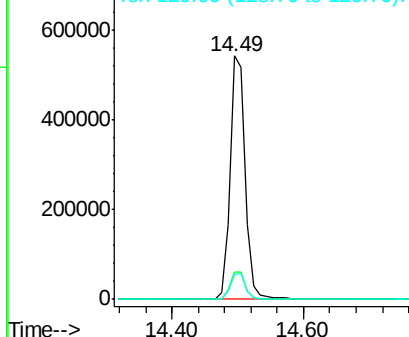
Tot Ion:	128	Resp:	873021
Ion Ratio	Lower	Upper	
128	100		
127	11.4	9.7	14.5
129	10.4	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/20/2019 2:51:46 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.809 ug/l

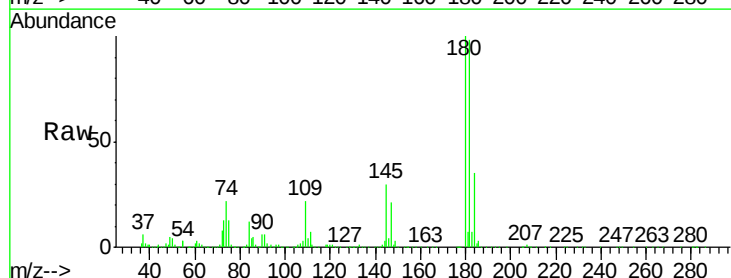
RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062630.D

Acq: 17 May 2019 10:03

Tgt Ion:	180	Resp:	477552
Ion Ratio	Lower	Upper	
180	100		
182	97.8	48.9	146.7
145	30.2	16.1	48.2



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

