

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062539.D
 Acq On : 13 May 2019 12:51
 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

MMDadoda
 5/14/2019 11:34:55 AM

Quant Time: May 14 09:08:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	329230	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	462509	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	401722	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	255081	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	168360	54.11	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.22%	
35) Dibromofluoromethane	4.33	113	198769	53.94	ug/l	0.03
Spiked Amount	50.000		Recovery	=	107.88%	
50) Toluene-d8	7.73	98	481885	54.03	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	11.51	95	220252	54.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	170233	44.677	ug/l	92
3) Chloromethane	1.15	50	110066	43.799	ug/l	97
4) Vinyl Chloride	1.20	62	114183	45.553	ug/l	100
5) Bromomethane	1.39	94	97262	51.500	ug/l	99
6) Chloroethane	1.44	64	63540	50.420	ug/l	98
7) Trichlorofluoromethane	1.56	101	283805	54.570	ug/l	93
8) Diethyl Ether	1.72	74	39067	49.645	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	159507	53.721	ug/l	96
10) Methyl Iodide	1.99	142	264043	53.963	ug/l	98
11) Tert butyl alcohol	2.70	59	40202	228.621	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	120710	47.821	ug/l	94
13) Acrolein	2.11	56	31092	289.376	ug/l	94
14) Allyl chloride	2.21	41	179935m	80.698	ug/l	
15) Acrylonitrile	3.10	53	91502	274.701	ug/l	94
16) Acetone	2.36	43	195286	310.271	ug/l	100
17) Carbon Disulfide	1.93	76	257022	46.699	ug/l	99
18) Methyl Acetate	2.47	43	60551	52.936	ug/l	100
19) Methyl tert-butyl Ether	2.57	73	279502	53.642	ug/l	96
20) Methylene Chloride	2.34	84	117392m	51.551	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	121046	50.333	ug/l	98
22) Diisopropyl ether	2.95	45	375335	53.859	ug/l	98
23) Vinyl Acetate	3.37	43	834782	268.768	ug/l	99
24) 1,1-Dichloroethane	3.03	63	241706	57.387	ug/l	98
25) 2-Butanone	4.55	43	206379	260.995	ug/l	97
26) 2,2-Dichloropropane	3.80	77	172437	73.312	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	165287	54.983	ug/l	99
28) Bromochloromethane	3.93	49	116631	61.058	ug/l	97
29) Tetrahydrofuran	4.29	42	83895	230.848	ug/l	99
30) Chloroform	4.08	83	319418	56.135	ug/l	95
31) Cyclohexane	3.91	56	165106	49.112	ug/l	92
32) 1,1,1-Trichloroethane	4.31	97	283675	58.168	ug/l	99
36) 1,1-Dichloropropene	4.50	75	192712	48.504	ug/l	99
37) Ethyl Acetate	4.32	43	79891	51.830	ug/l #	98
38) Carbon Tetrachloride	4.21	117	254071m	62.338	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	178273	44.740	ug/l	98
40) Benzene	4.84	78	419267	47.921	ug/l	94
41) Methacrylonitrile	4.95	41	39602	41.569	ug/l	90
42) 1,2-Dichloroethane	5.15	62	173884	47.520	ug/l	98
43) Isopropyl Acetate	7.13	43	82203	45.487	ug/l #	99
44) Trichloroethene	5.71	130	160789	50.029	ug/l	97
45) 1,2-Dichloropropane	6.43	63	102239	51.592	ug/l	95
46) Dibromomethane	6.28	93	83111	50.583	ug/l	99
47) Bromodichloromethane	6.58	83	212391	51.703	ug/l	99
48) Methyl methacrylate	6.89	41	59882	46.889	ug/l	95
49) 1,4-Dioxane	6.89	88	11174	848.740	ug/l #	88
51) 4-Methyl-2-Pentanone	8.42	43	335993	245.362	ug/l	99
52) Toluene	7.80	92	273027	50.585	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	160989	51.816	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	186846	51.673	ug/l	97
55) 1,1,2-Trichloroethane	8.66	97	90562	52.855	ug/l	99
56) Ethyl methacrylate	8.78	69	88154	48.740	ug/l	95
57) 1,3-Dichloropropane	9.01	76	139333	53.836	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	103548	190.428	ug/l	99
59) 2-Hexanone	9.63	43	247426	261.257	ug/l	98
60) Dibromochloromethane	8.89	129	156839	55.968	ug/l	97
61) 1,2-Dibromoethane	9.15	107	99992	49.654	ug/l	95
64) Tetrachloroethene	8.32	164	154741	47.448	ug/l	96
65) Chlorobenzene	9.95	112	354862	53.389	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	172832	51.544	ug/l	98
67) Ethyl Benzene	10.05	91	609616	52.377	ug/l	99
68) m/p-Xylenes	10.28	106	447115	104.116	ug/l	99
69) o-Xylene	10.84	106	247958	53.435	ug/l	98
70) Styrene	10.91	104	358503	51.549	ug/l	98
71) Bromoform	10.90	173	92486	50.346	ug/l #	98
73) Isopropylbenzene	11.23	105	770178	50.930	ug/l	97
74) N-amyl acetate	11.46	43	137898	42.476	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	119603	50.513	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	88404	48.938	ug/l #	100
77) Bromobenzene	11.60	156	194921	49.114	ug/l	99
78) n-propylbenzene	11.68	91	801364	49.775	ug/l	99
79) 2-Chlorotoluene	11.81	91	500146	49.958	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	660608	49.840	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	34253m	50.445	ug/l	
82) 4-Chlorotoluene	11.98	91	487316	49.285	ug/l	99
83) tert-Butylbenzene	12.21	119	686084	49.253	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	643088	49.579	ug/l	95
85) sec-Butylbenzene	12.37	105	878411	51.808	ug/l	97
86) p-Isopropyltoluene	12.53	119	766978	48.688	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	364244	50.252	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	358731	51.278	ug/l	98
89) n-Butylbenzene	12.91	91	704026	50.234	ug/l	100
90) Hexachloroethane	12.99	117	193382	49.166	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	341155	48.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	24430	46.055	ug/l	93

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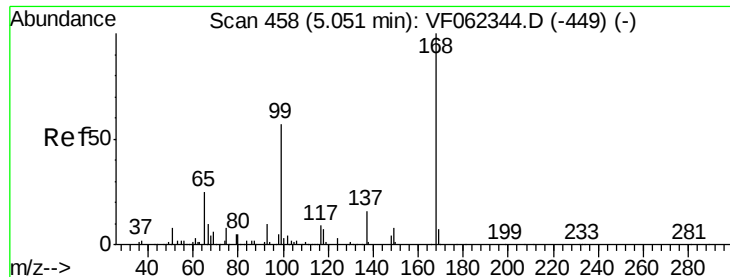
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	299505	47.595	ug/l	99
94) Hexachlorobutadiene	14.24	225	238849	50.925	ug/l	97
95) Naphthalene	14.50	128	449565	47.519	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	306295	50.241	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 329230

Ion Ratio Lower Upper

168 100

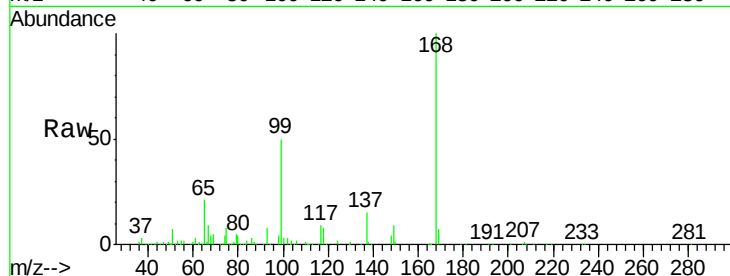
99 50.0 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

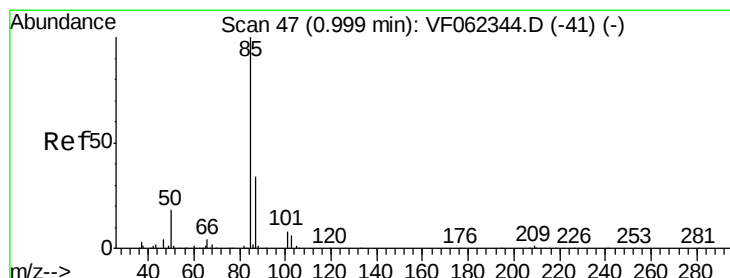
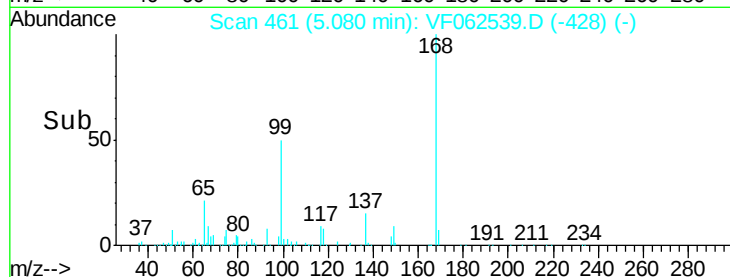
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 44.677 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062539.D

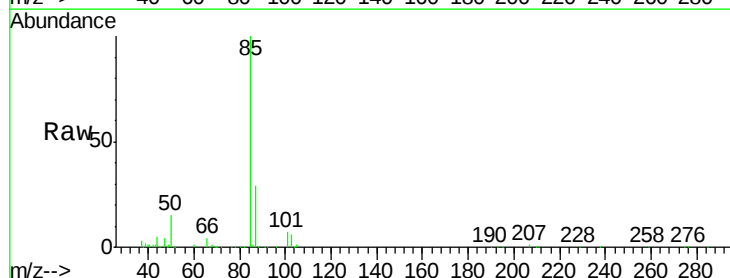
Acq: 13 May 2019 12:51

Tgt Ion: 85 Resp: 170233

Ion Ratio Lower Upper

85 100

87 29.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

60000

50000

40000

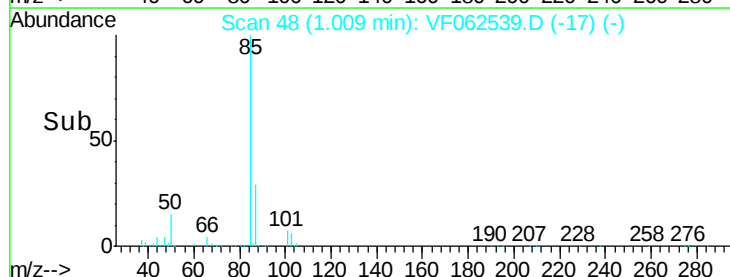
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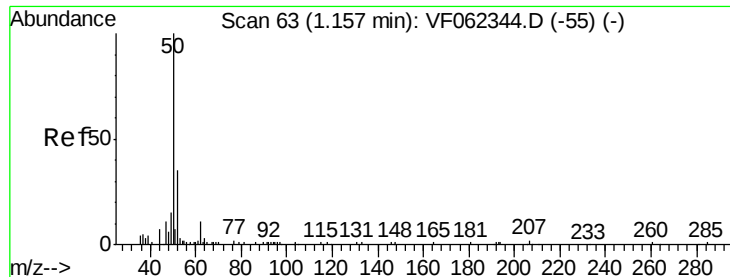
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 43.799 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 110066

Ion Ratio Lower Upper

50 100

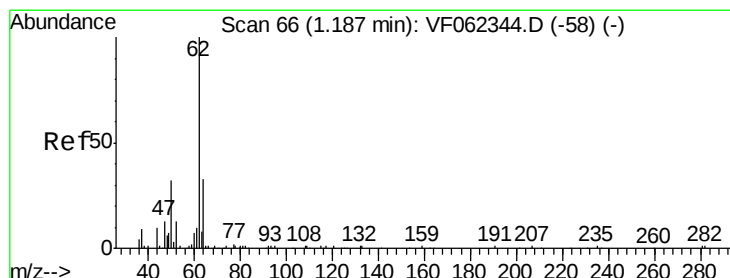
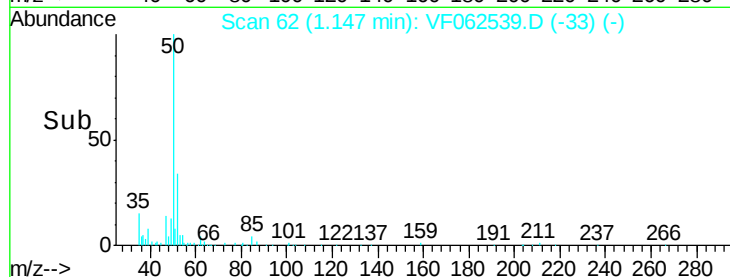
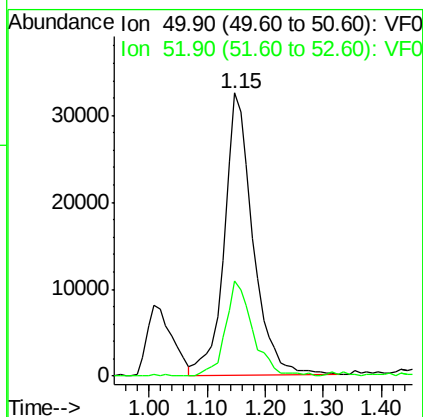
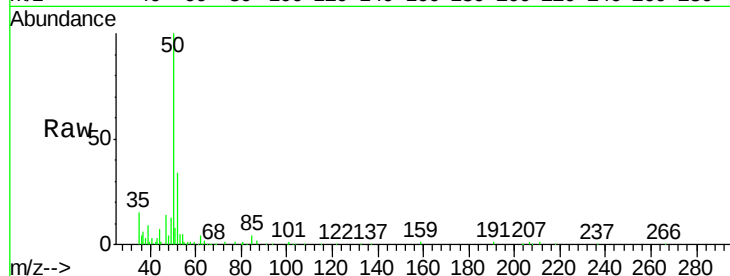
52 34.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.553 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062539.D

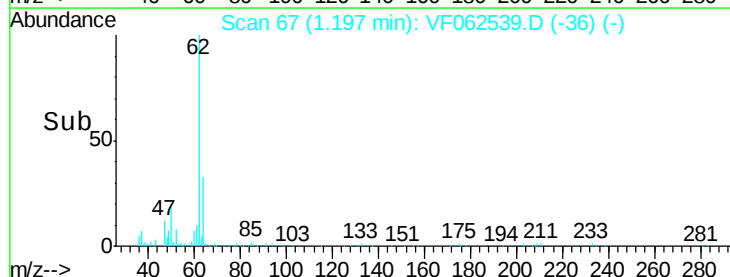
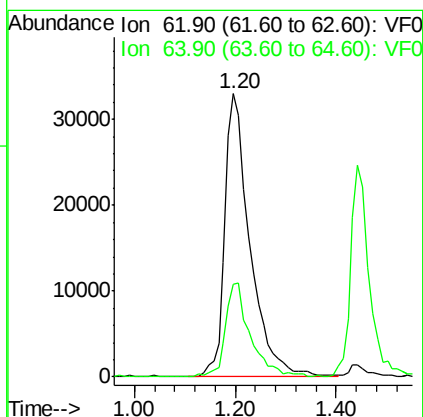
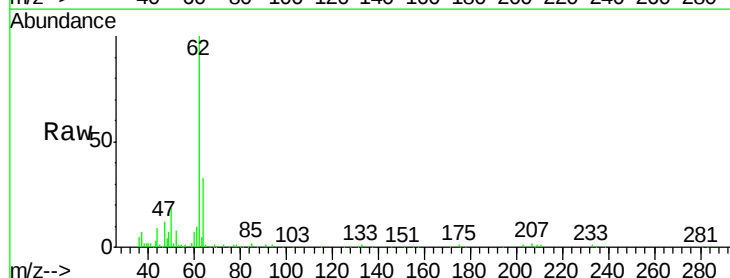
Acq: 13 May 2019 12:51

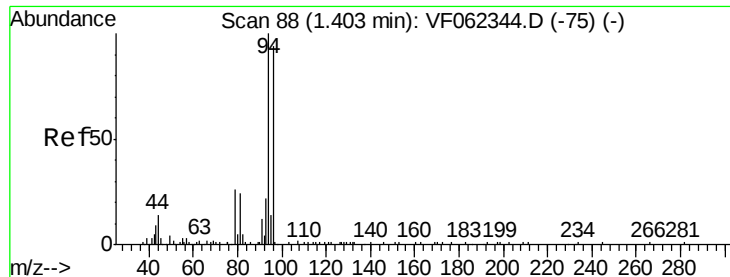
Tgt Ion: 62 Resp: 114183

Ion Ratio Lower Upper

62 100

64 32.7 26.1 39.1





#5

Bromomethane

Concen: 51.500 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 97262

Ion Ratio Lower Upper

94 100

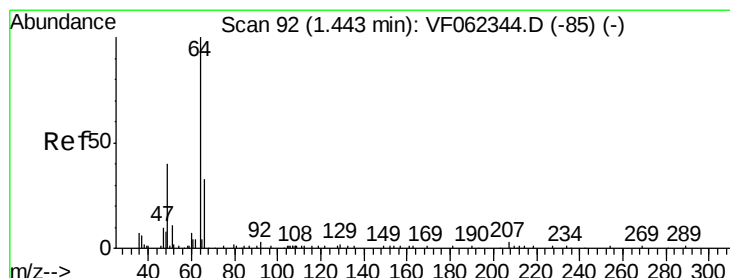
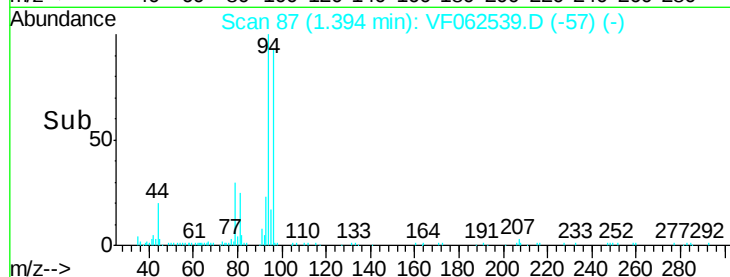
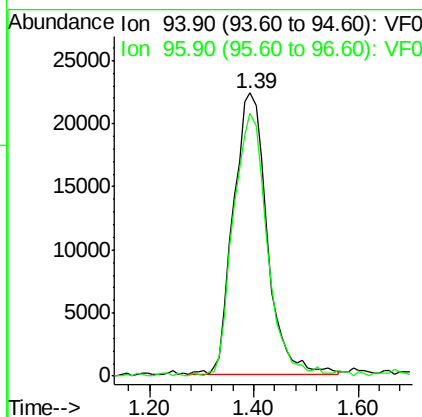
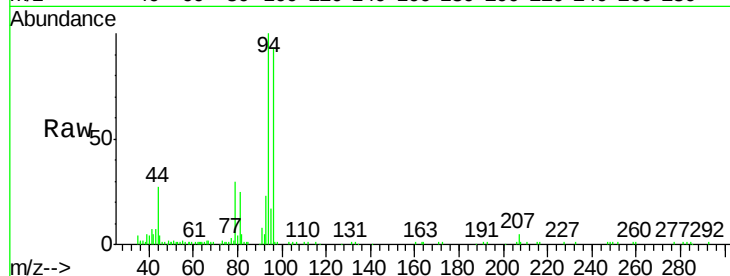
96 93.6 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 50.420 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062539.D

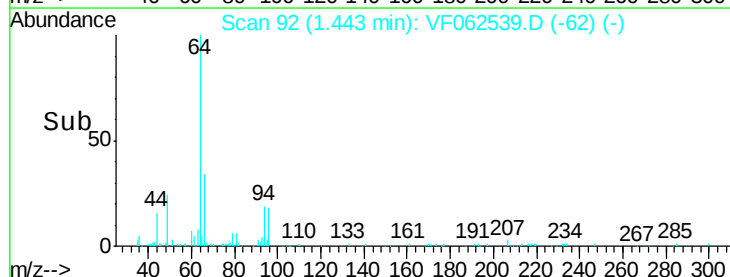
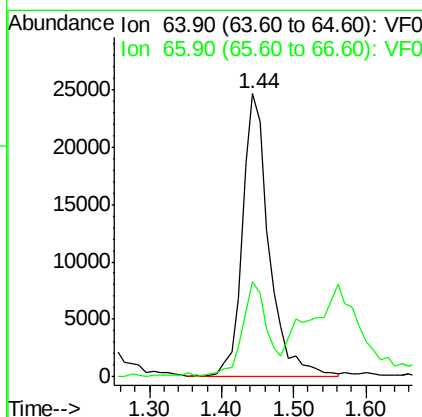
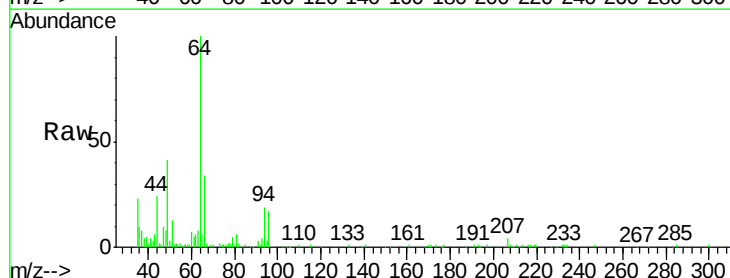
Acq: 13 May 2019 12:51

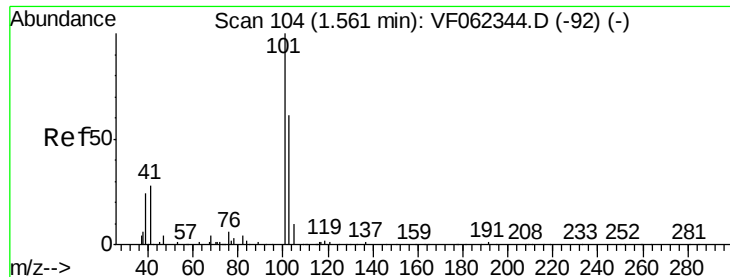
Tgt Ion: 64 Resp: 63540

Ion Ratio Lower Upper

64 100

66 32.3 26.6 39.8





#7

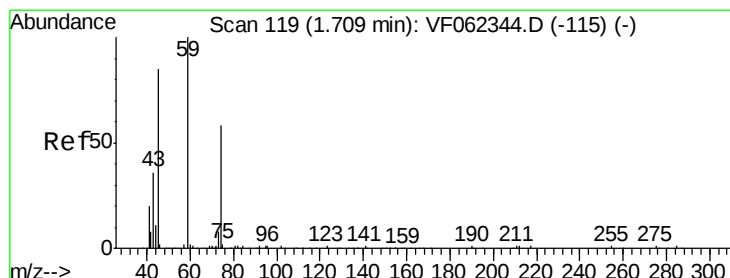
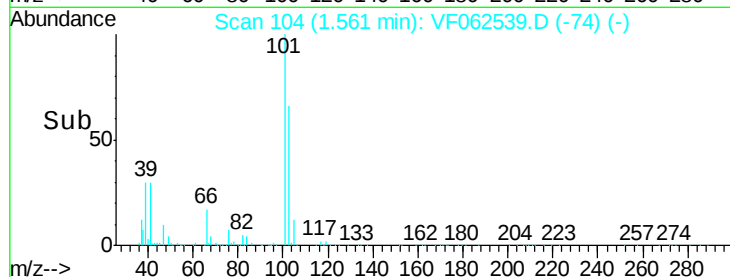
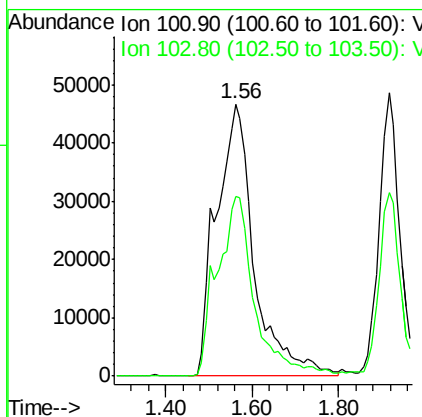
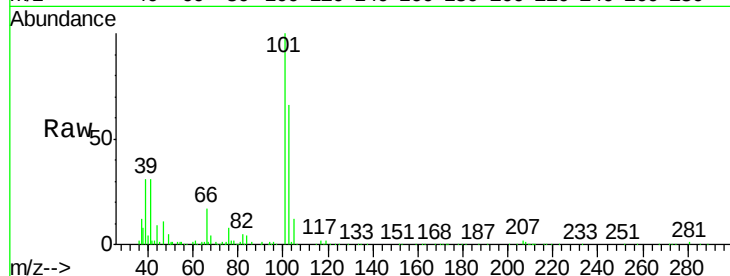
Trichlorofluoromethane
Concen: 54.570 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062539.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	283805		
103	65.9	48.5	72.7	

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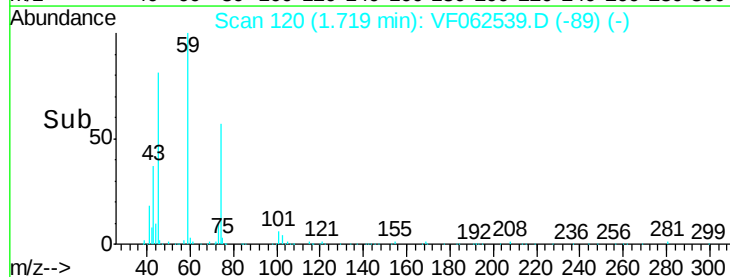
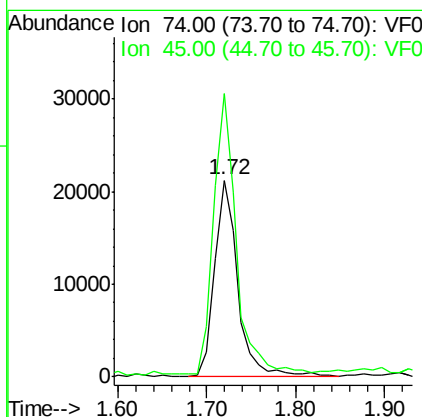
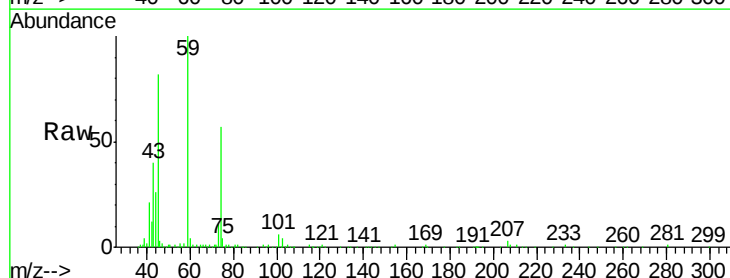
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5/14/2019 11:34:55 AM



#8

Diethyl Ether
Concen: 49.645 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39067		
45	136.5	73.9	221.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.721 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

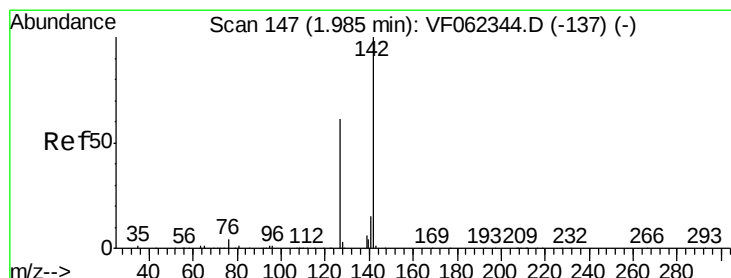
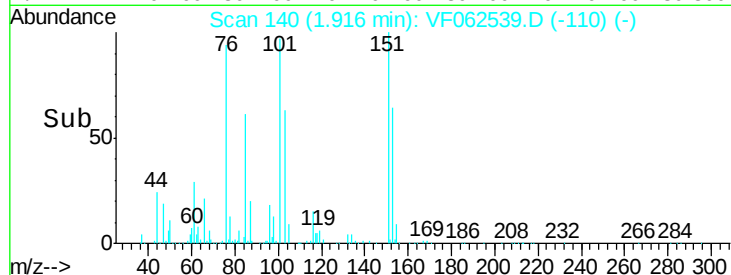
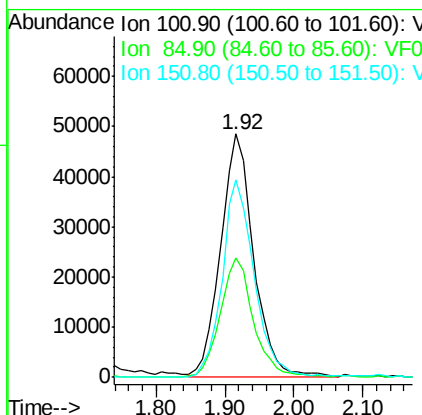
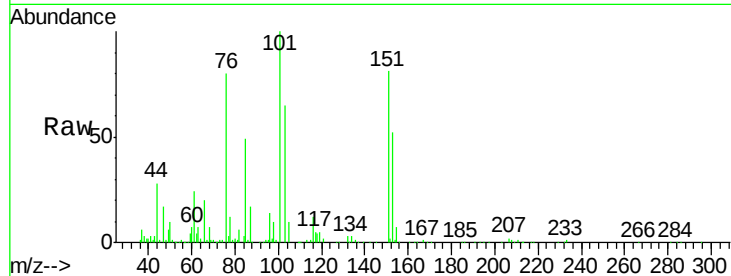
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	159507
Ion Ratio	Lower	Upper	
101	100		
85	50.3	39.5	59.3
151	80.2	59.9	89.9

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5/14/2019 11:34:55 AM



#10

Methyl Iodide

Concen: 53.963 ug/l

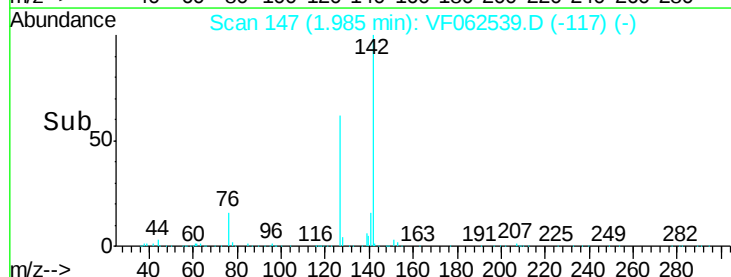
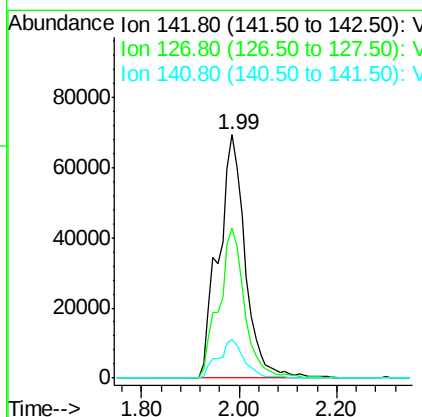
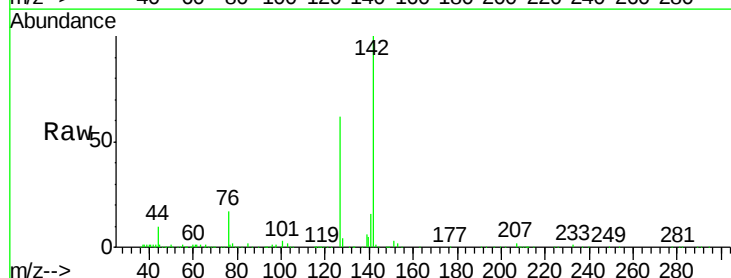
RT: 1.99 min Scan# 147

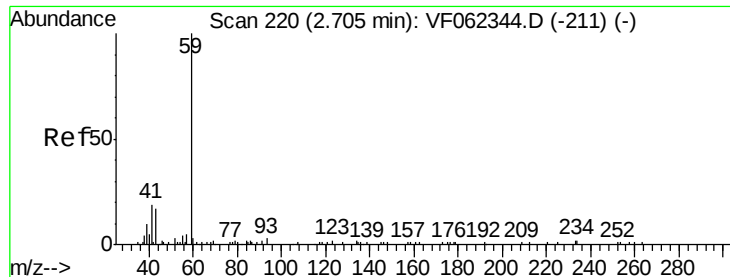
Delta R.T. 0.00 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	142	Resp:	264043
Ion Ratio	Lower	Upper	
142	100		
127	59.2	48.4	72.6
141	15.7	12.2	18.4





#11

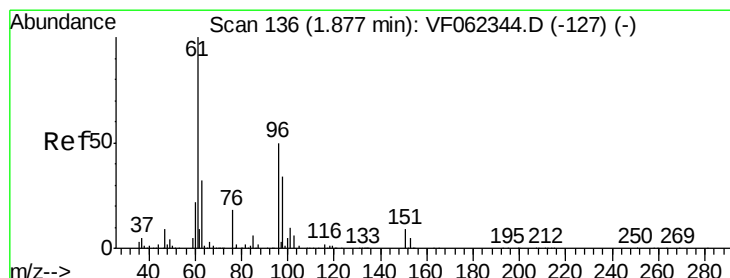
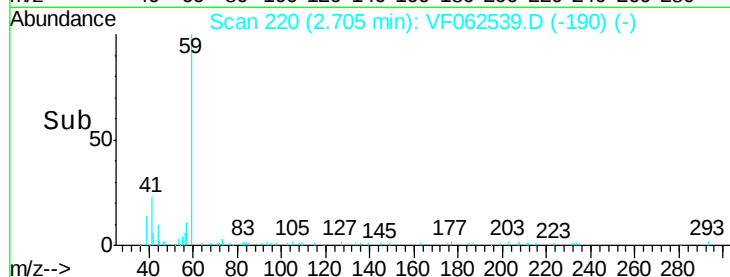
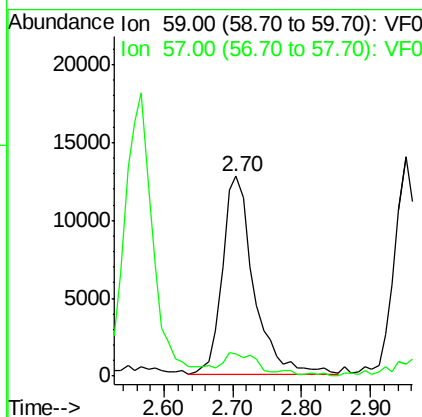
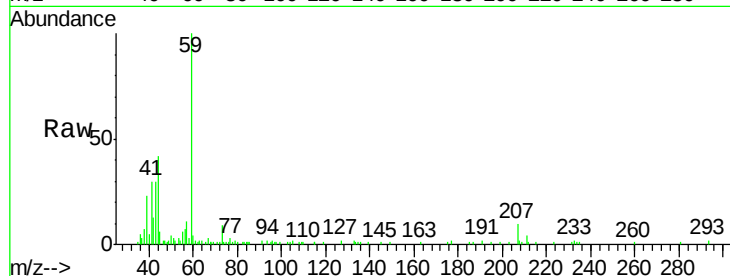
Tert butyl alcohol
 Concen: 228.621 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	9.3	13.9#

Manual Integrations
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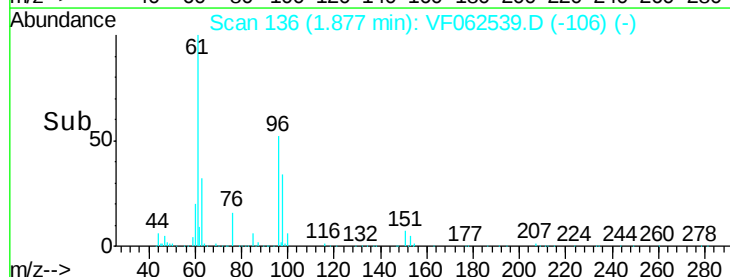
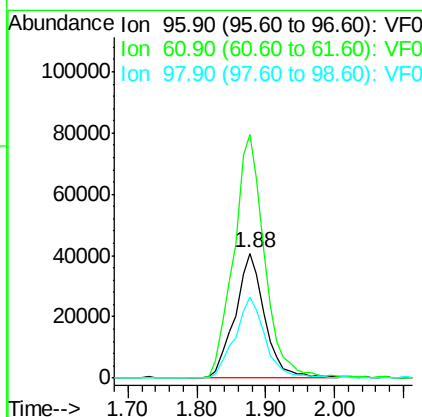
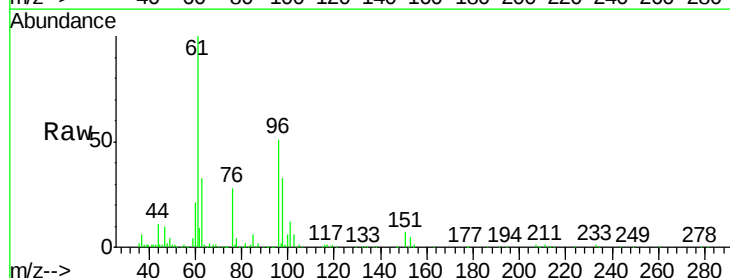
MMDadoda
 5/14/2019 11:34:55 AM

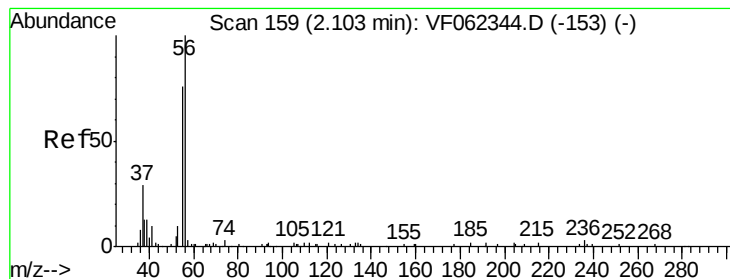


#12

1,1-Dichloroethene
 Concen: 47.821 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.2	163.2	244.8
98	64.7	55.2	82.8





#13

Acrolein

Concen: 289.376 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31092

Ion Ratio Lower Upper

56 100

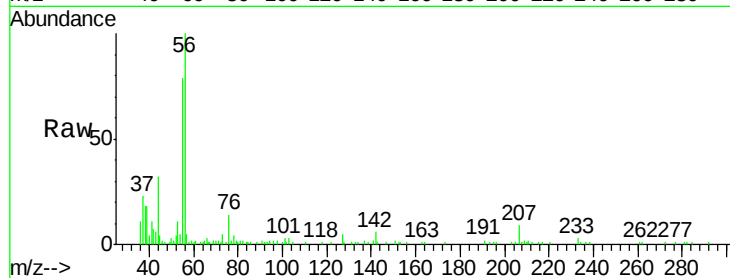
55 78.0 58.4 87.6

Manual Integrations

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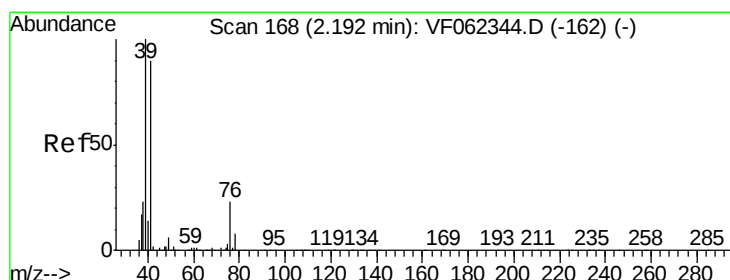
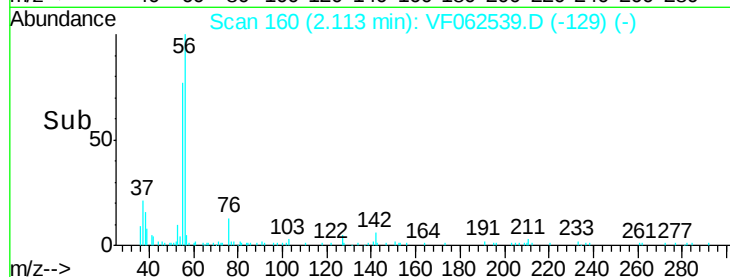
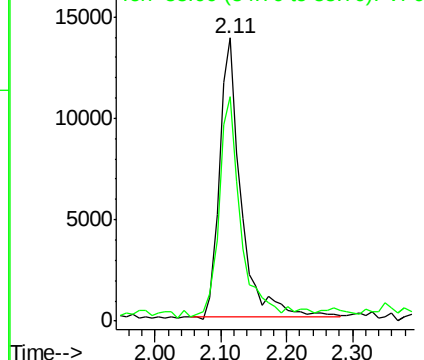
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 80.698 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

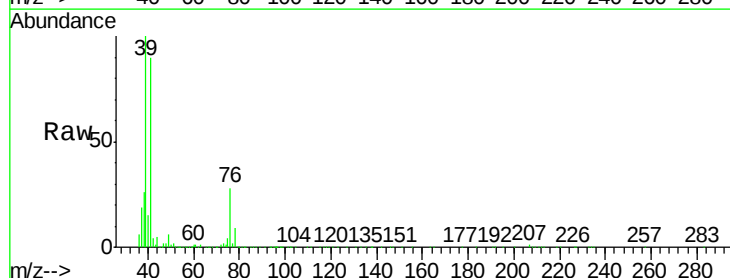
Tgt Ion: 41 Resp: 179935

Ion Ratio Lower Upper

41 100

39 114.6 90.8 136.2

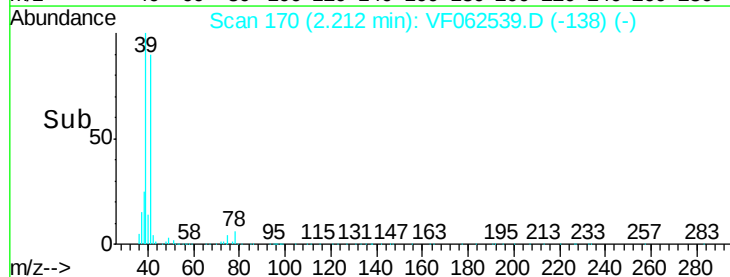
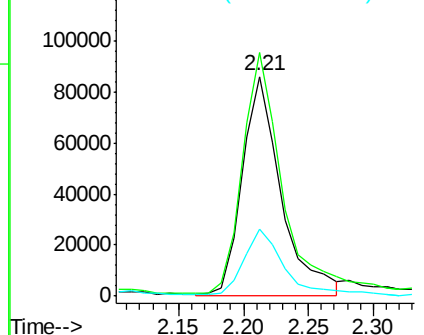
76 31.6 22.2 33.4

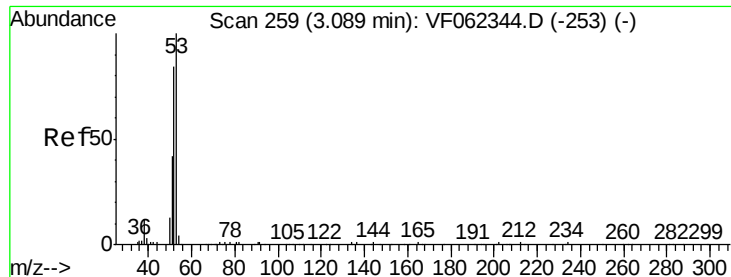


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0





#15

Acrylonitrile

Concen: 274.701 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

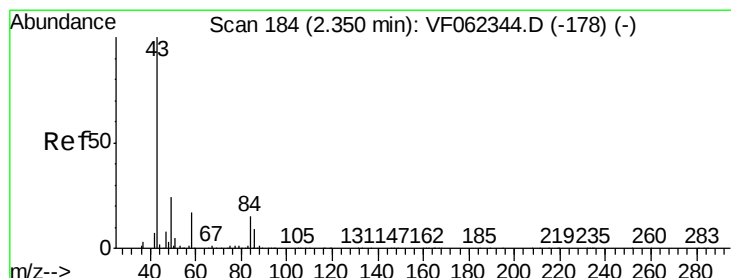
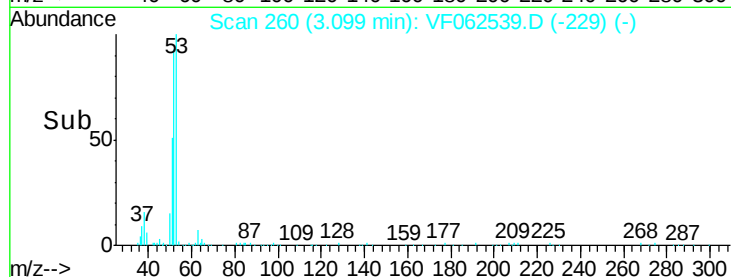
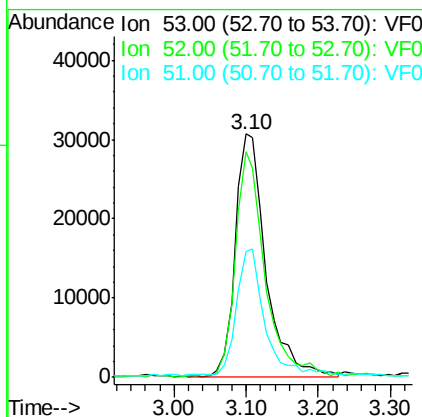
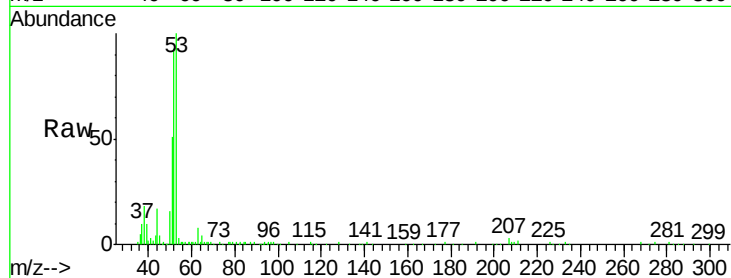
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91502
Ion	Ratio	Lower	Upper
53	100		
52	90.5	77.2	115.8
51	47.6	40.6	61.0

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#16

Acetone

Concen: 310.271 ug/l

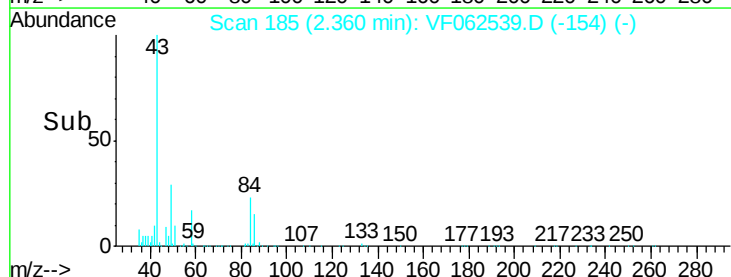
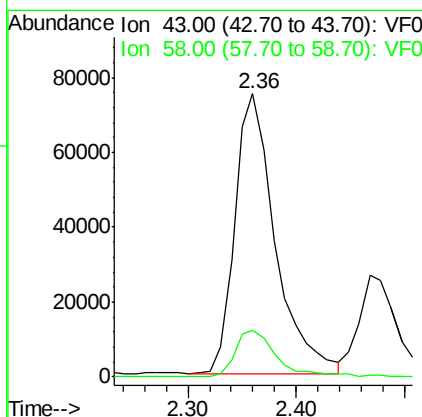
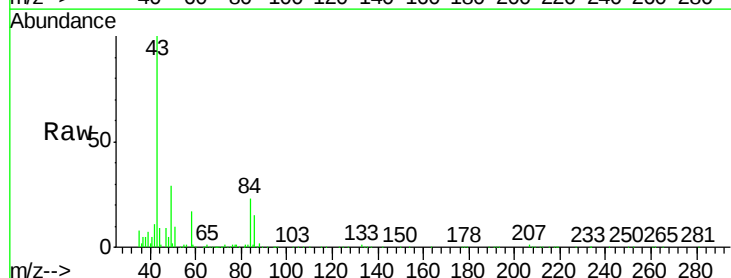
RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	43	Resp:	195286
Ion	Ratio	Lower	Upper
43	100		
58	16.5	13.1	19.7





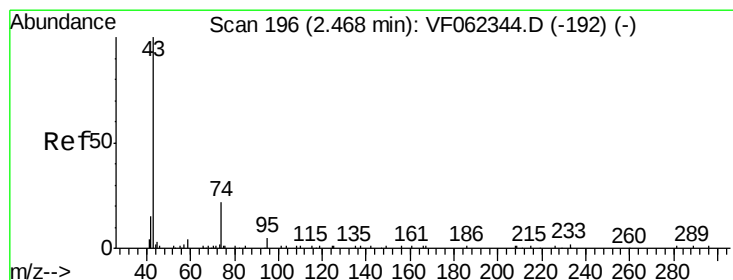
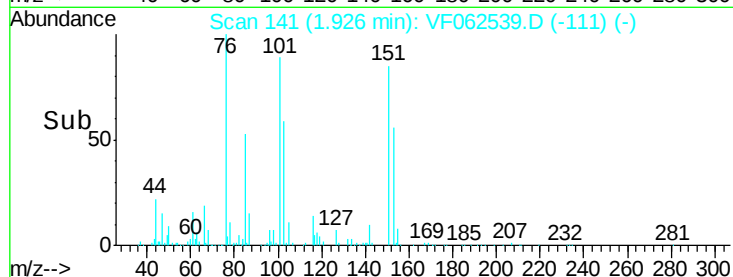
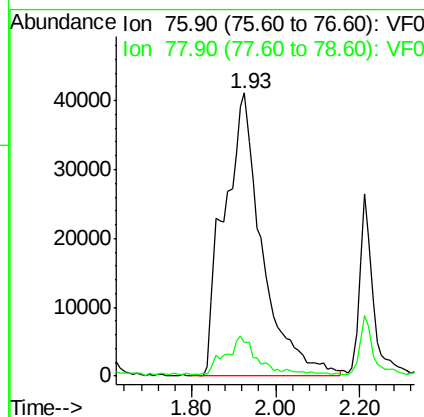
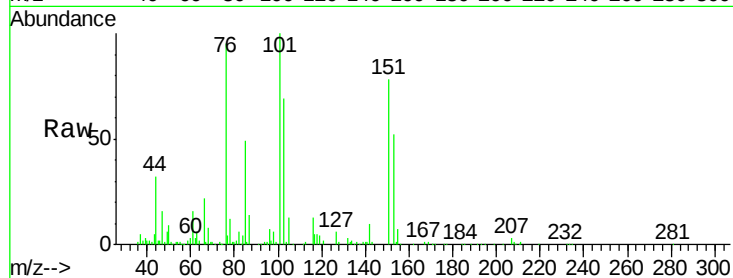
#17
Carbon Disulfide
Concen: 46.699 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.5	9.0	13.4

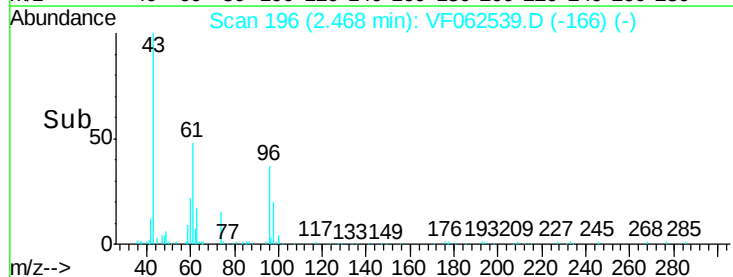
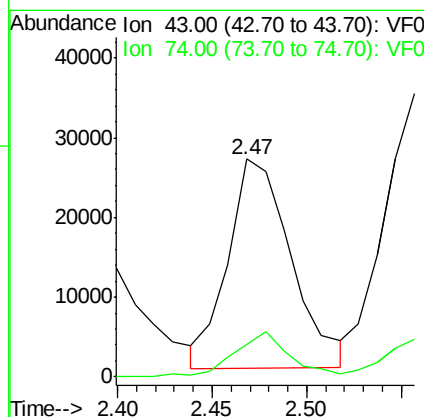
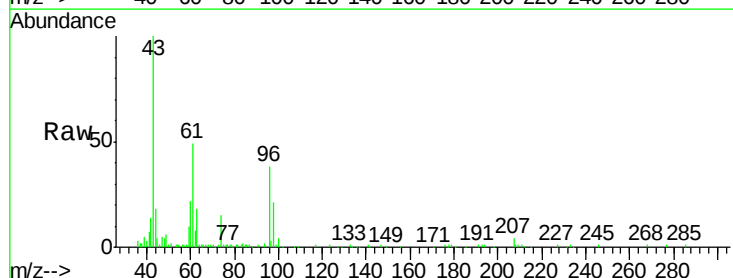
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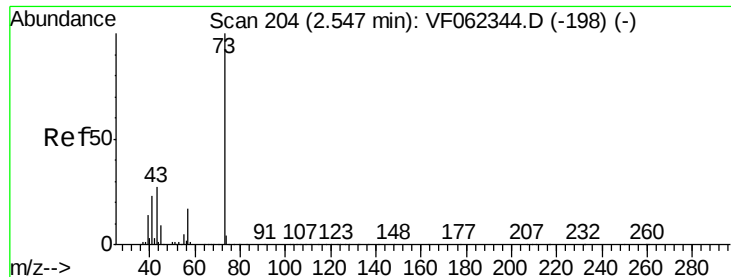
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#18
Methyl Acetate
Concen: 52.936 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.9	15.0	22.4





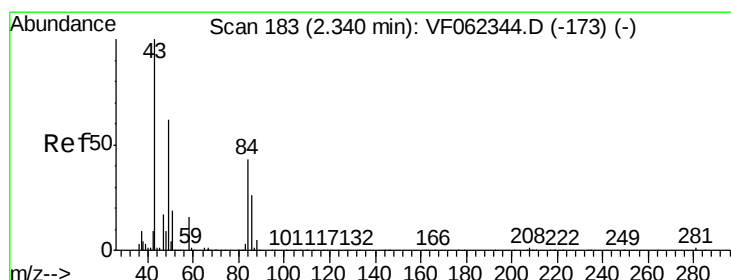
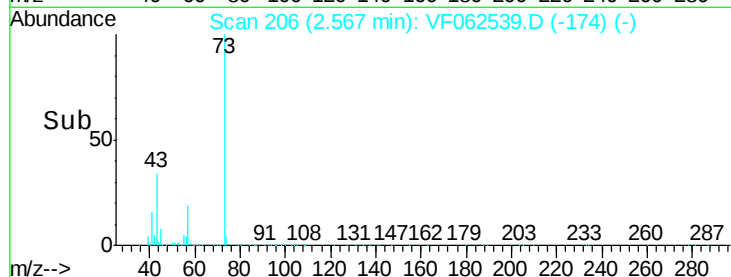
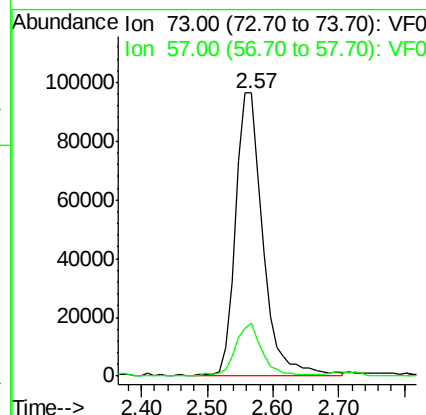
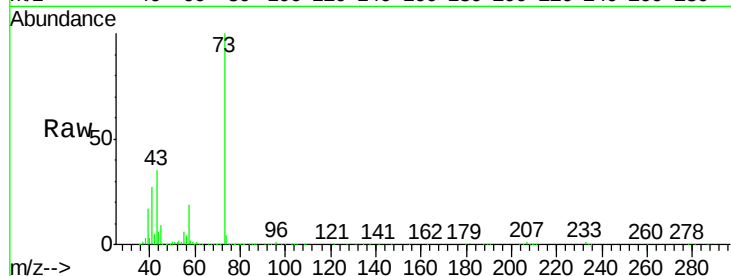
#19
Methvl tert-butvl Ether
Concen: 53.642 ug/l
RT: 2.57 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	13.7	20.5

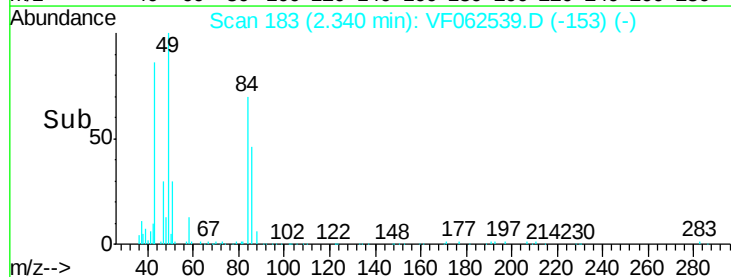
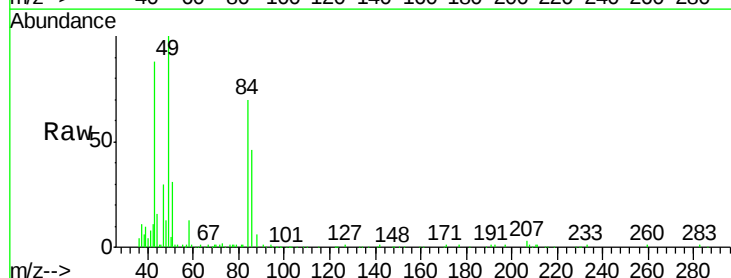
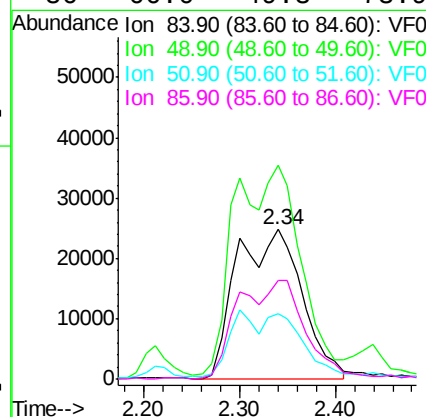
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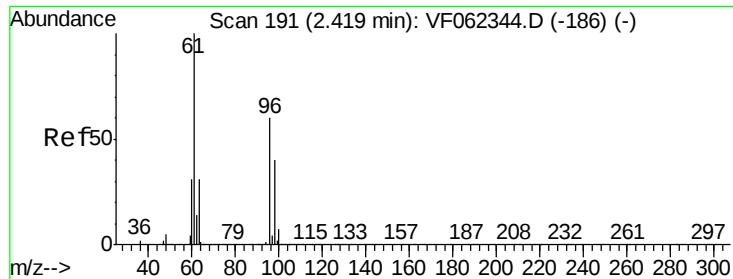
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5/14/2019 11:34:55 AM



#20
Methylene Chloride
Concen: 51.551 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.9	117.5	176.3
51	43.9	37.0	55.4
86	66.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 50.333 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

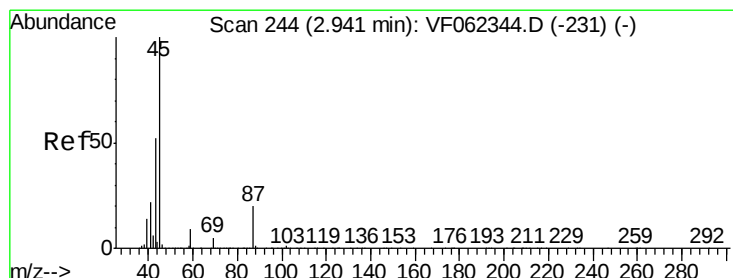
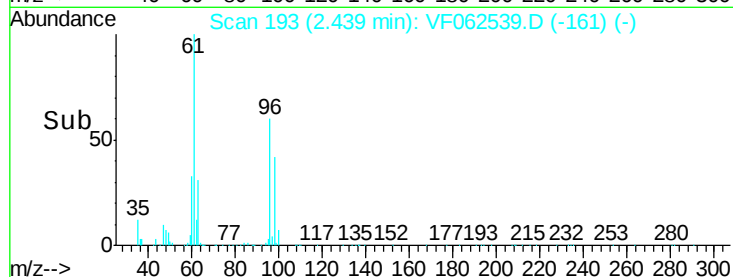
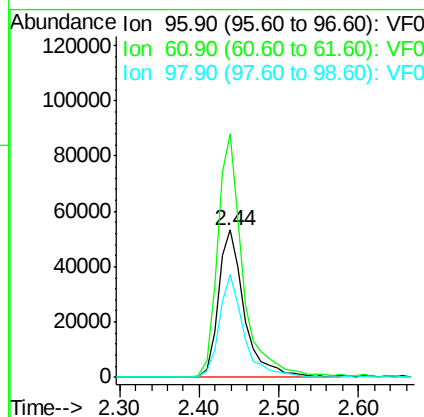
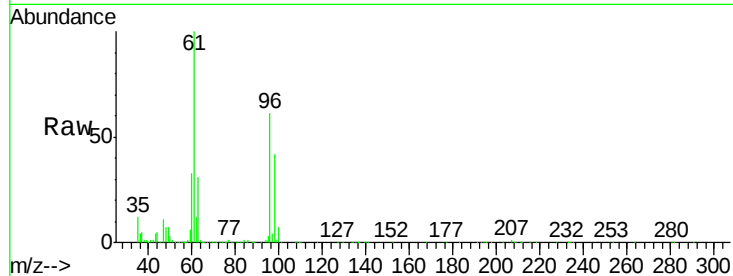
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121046
Ion Ratio	Lower	Upper	
96	100		
61	165.1	133.2	199.8
98	70.2	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.859 ug/l

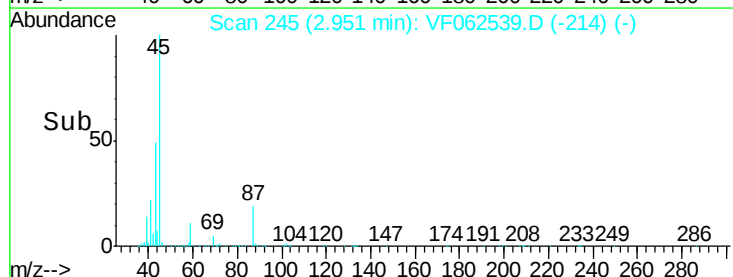
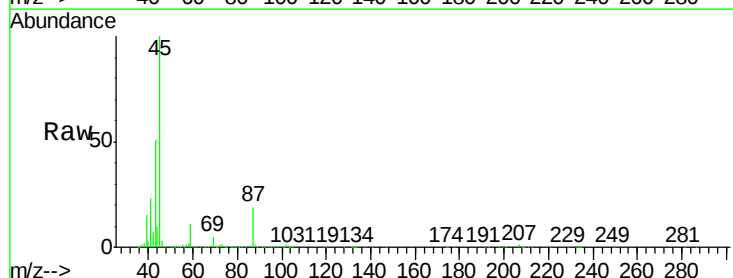
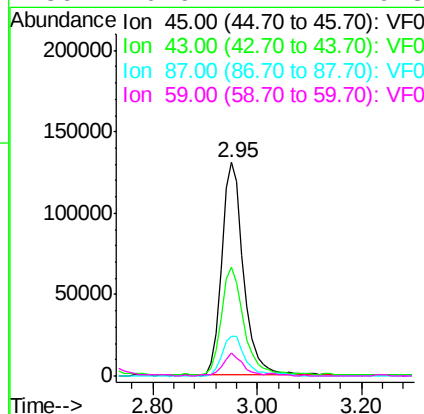
RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	45	Resp:	375335
Ion Ratio	Lower	Upper	
45	100		
43	50.5	41.4	62.0
87	18.9	15.8	23.6
59	10.6	7.2	10.8





#23

Vinyl Acetate

Concen: 268.768 ug/l

RT: 3.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 834782

Ion Ratio Lower Upper

43 100

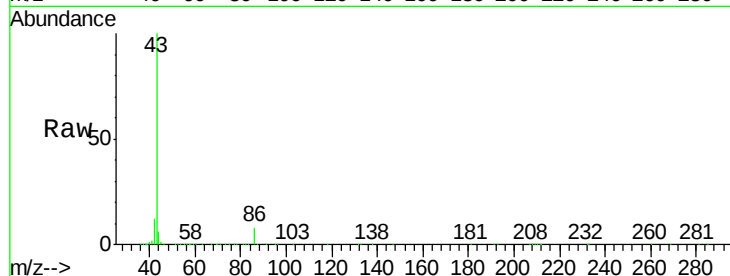
86 7.6 5.7 8.5

Manual Integrations

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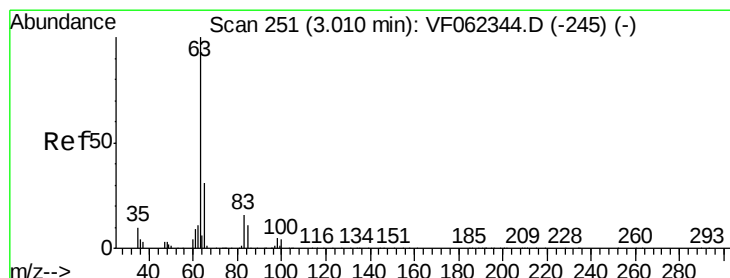
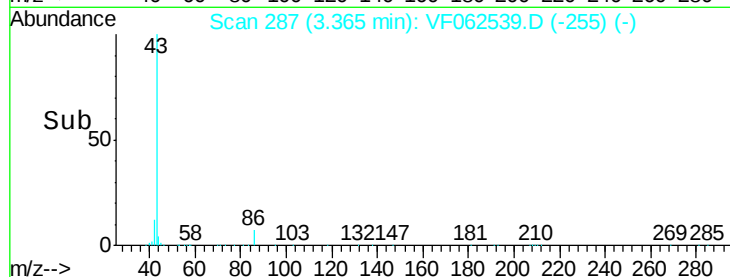
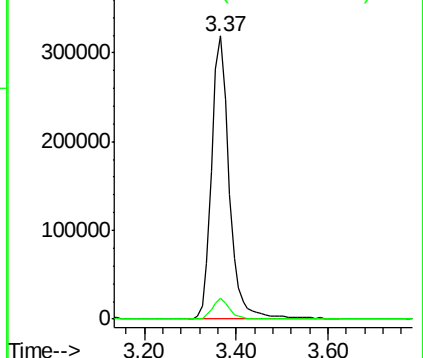
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 57.387 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

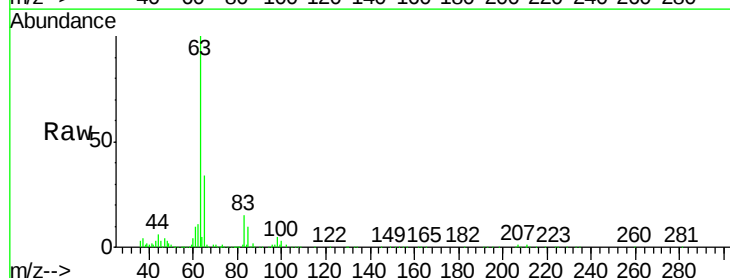
Tgt Ion: 63 Resp: 241706

Ion Ratio Lower Upper

63 100

98 4.5 2.6 8.0

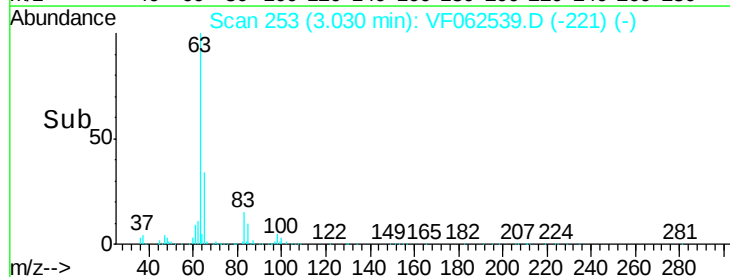
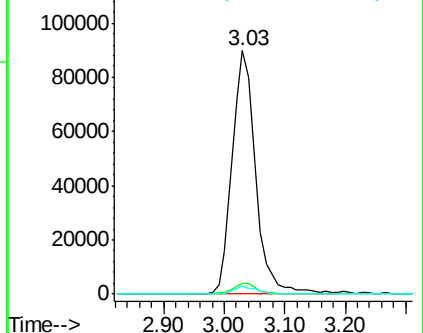
100 3.1 1.8 5.4

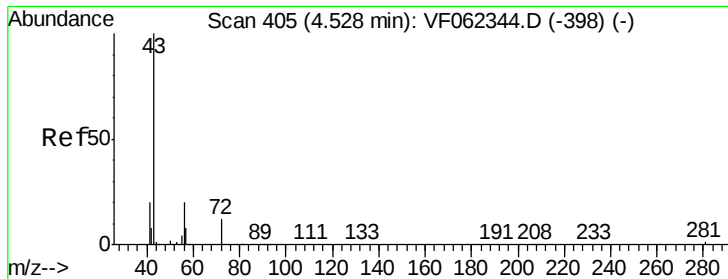


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 260.995 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 206379

Ion Ratio Lower Upper

43 100

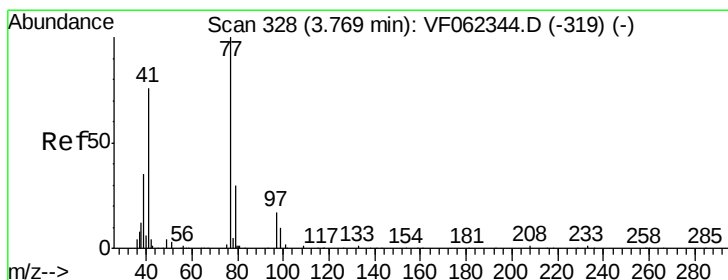
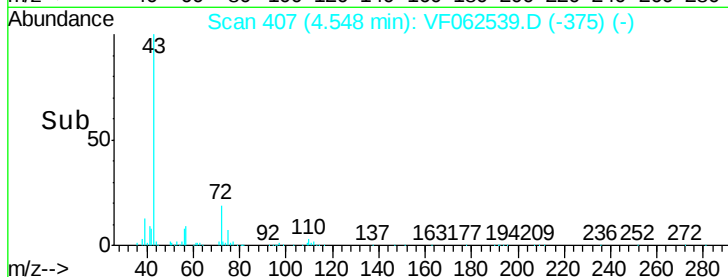
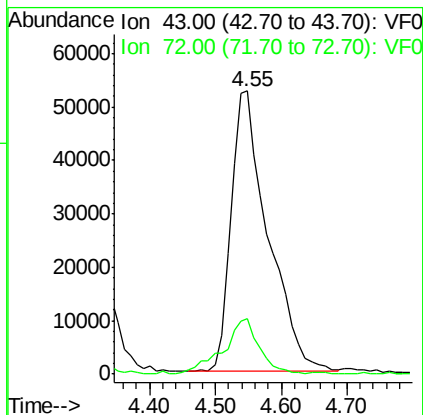
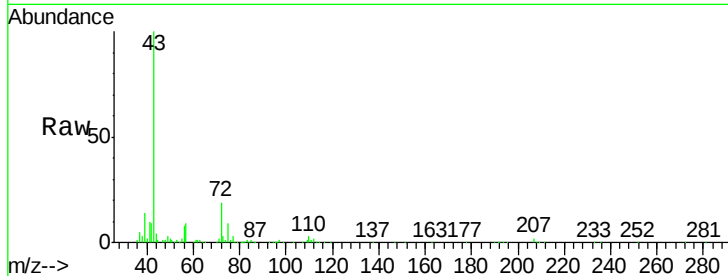
72 19.3 14.2 21.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 73.312 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.03 min

Lab File: VF062539.D

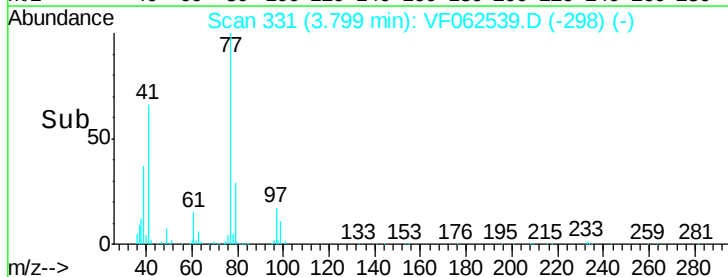
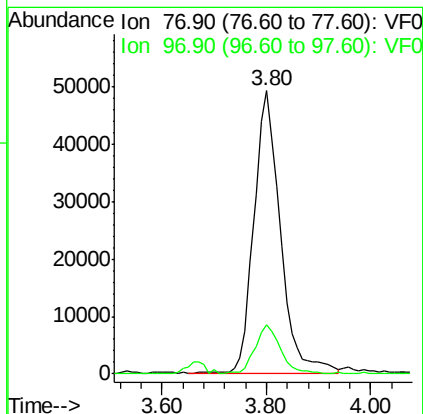
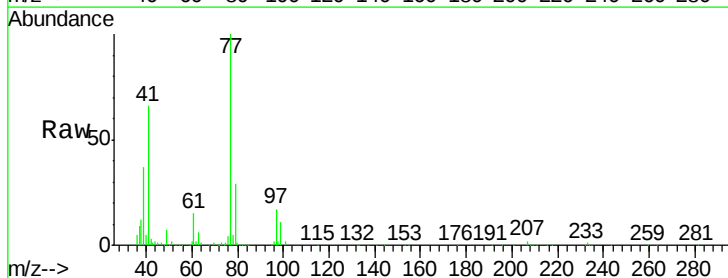
Acq: 13 May 2019 12:51

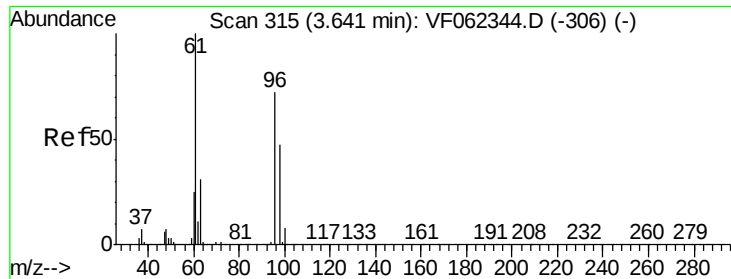
Tgt Ion: 77 Resp: 172437

Ion Ratio Lower Upper

77 100

97 16.7 9.5 28.5





#27

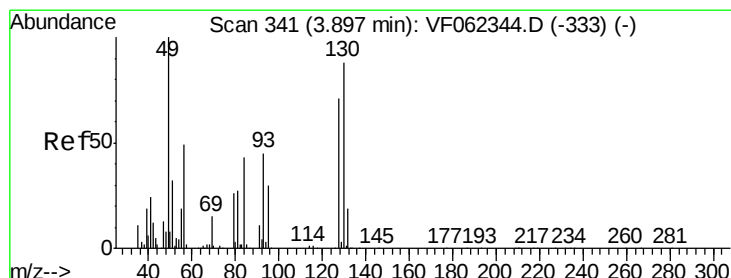
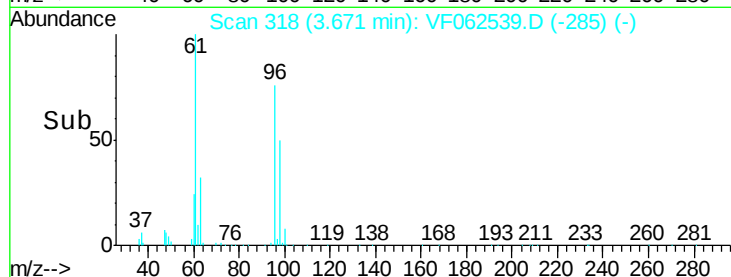
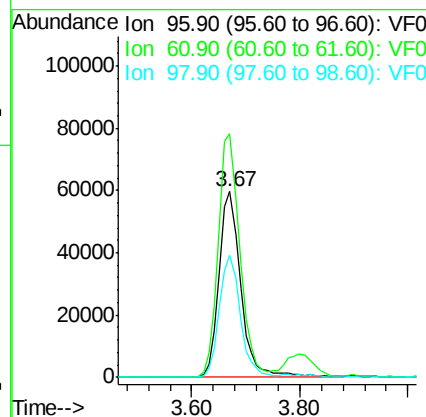
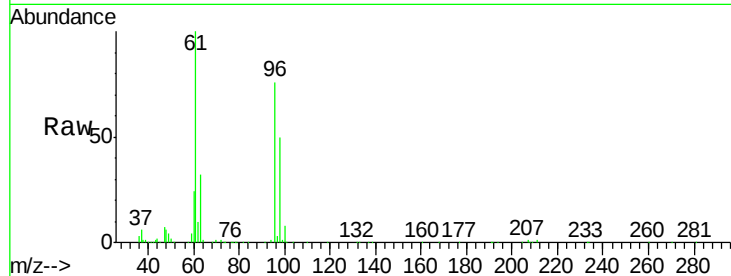
cis-1,2-Dichloroethene
Concen: 54.983 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165287		
61	131.0	0.0	263.0	
98	64.1	0.0	130.8	

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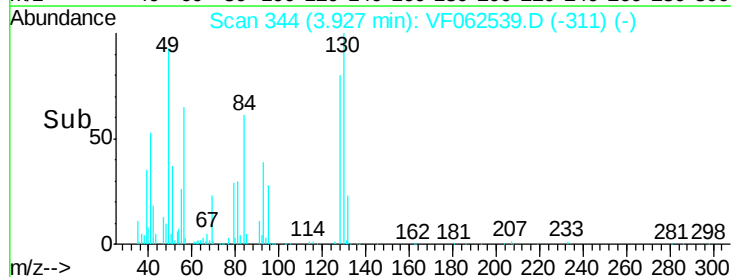
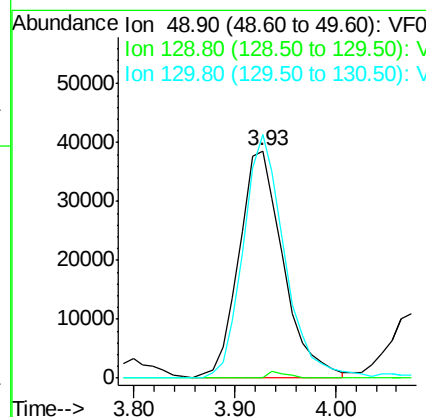
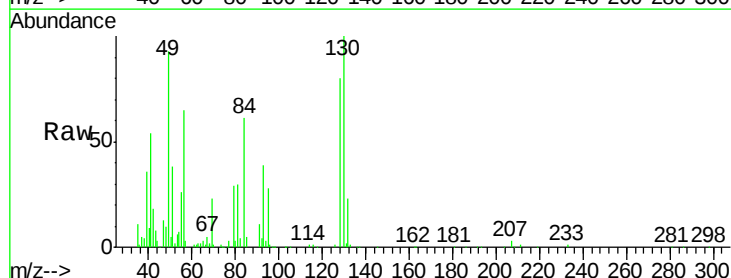
MMDadoda
5/14/2019 11:34:55 AM

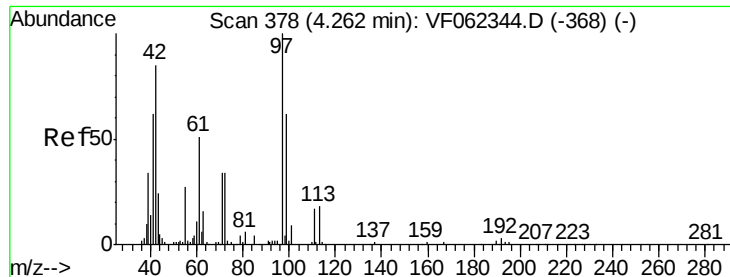


#28

Bromochloromethane
Concen: 61.058 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116631		
129	1.2	0.0	2.2	
130	101.9	79.4	119.0	





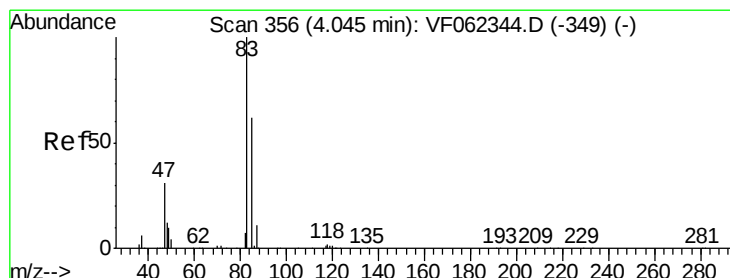
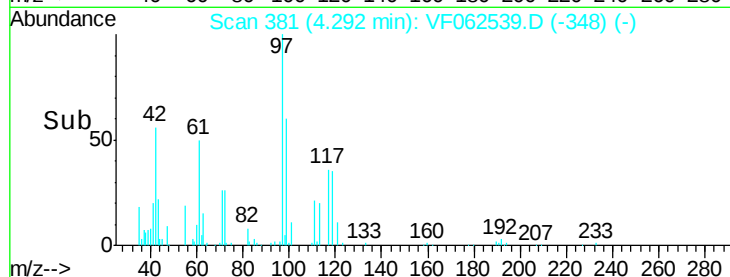
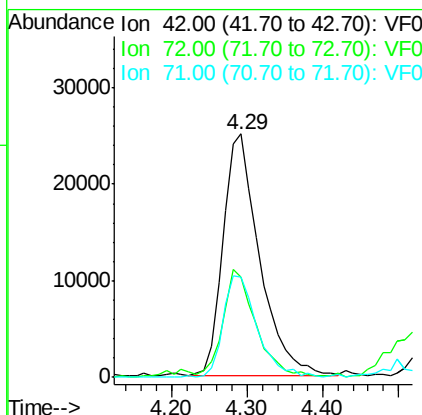
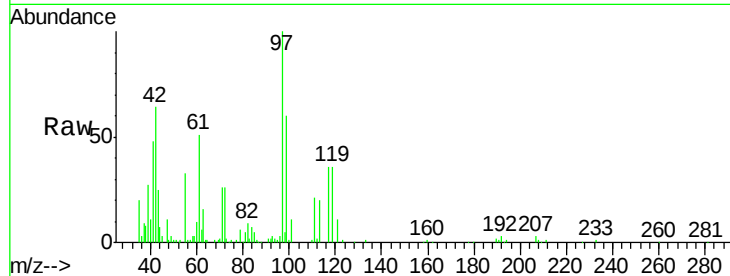
#29
Tetrahydrofuran
Concen: 230.848 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.4	47.0
71	39.3	31.7	47.5

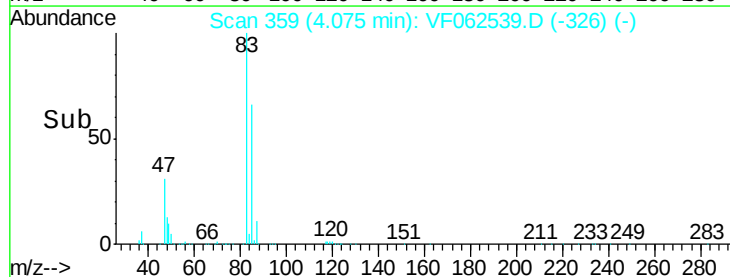
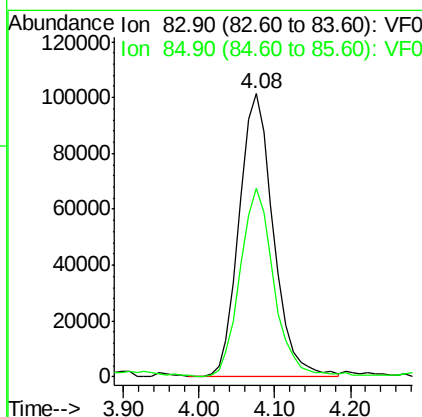
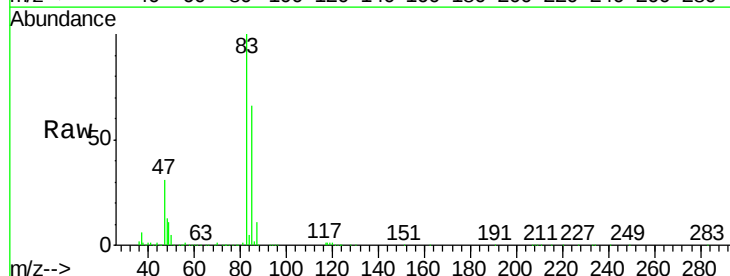
Manual Integrations
APPROVED

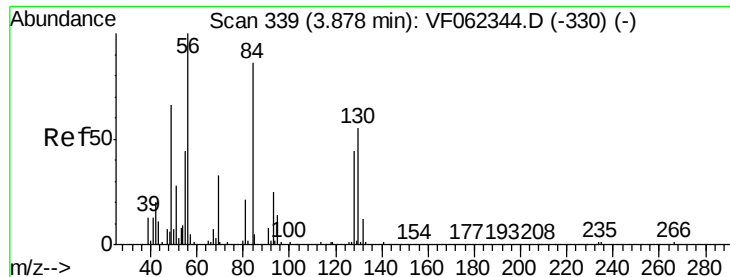
MMDadoda
5/14/2019 11:34:55 AM



#30
Chloroform
Concen: 56.135 ug/l
RT: 4.08 min Scan# 359
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.6	74.4





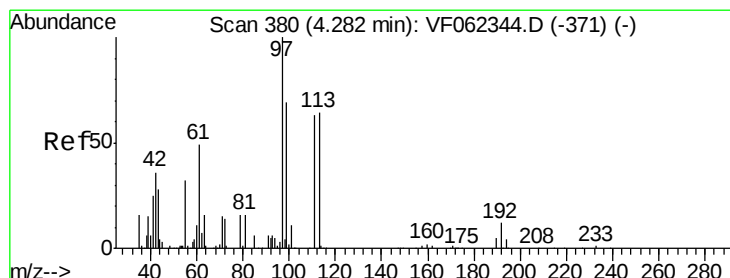
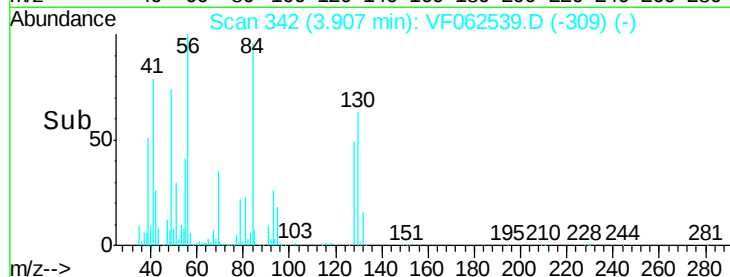
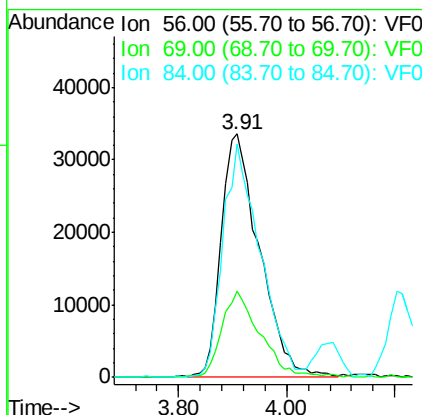
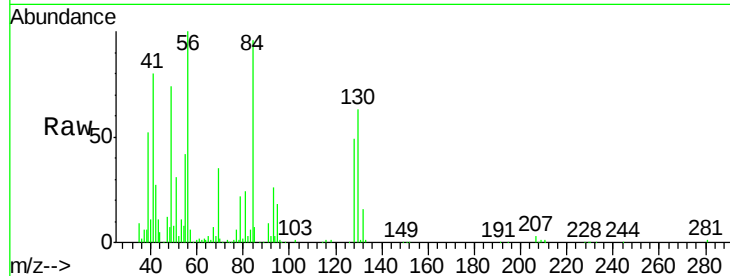
#31
Cyclohexane
Concen: 49.112 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.4	39.6
84	95.5	69.0	103.6

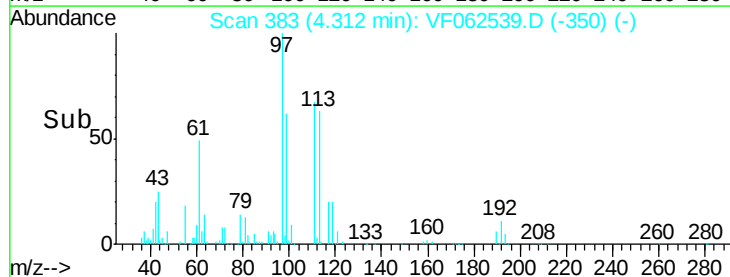
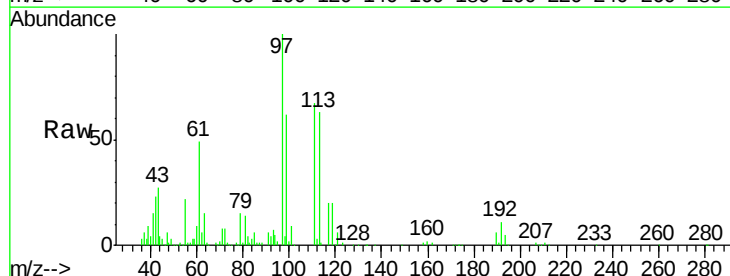
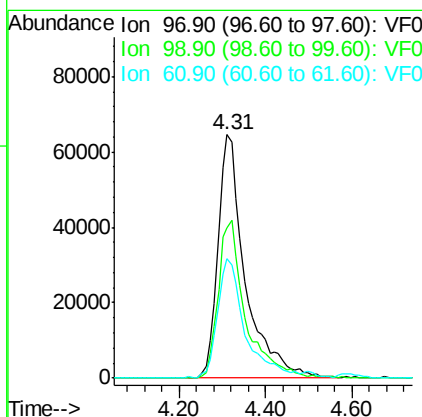
Manual Integrations
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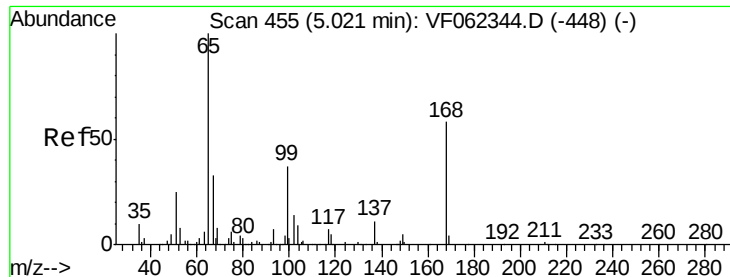
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5/14/2019 11:34:55 AM



#32
1,1,1-Trichloroethane
Concen: 58.168 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	49.5	39.4	59.0





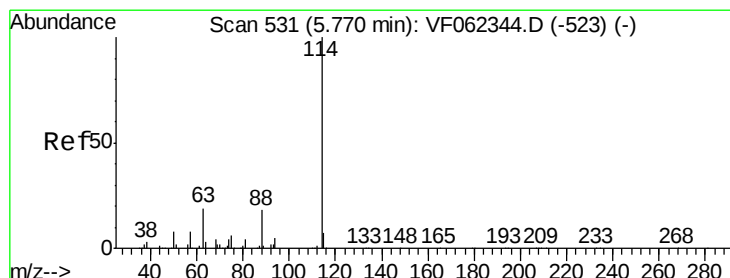
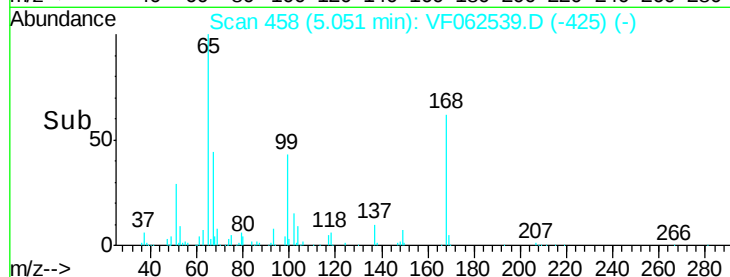
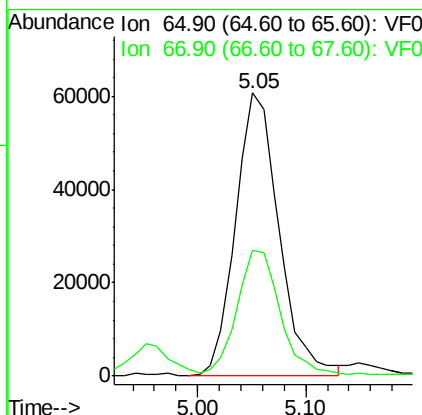
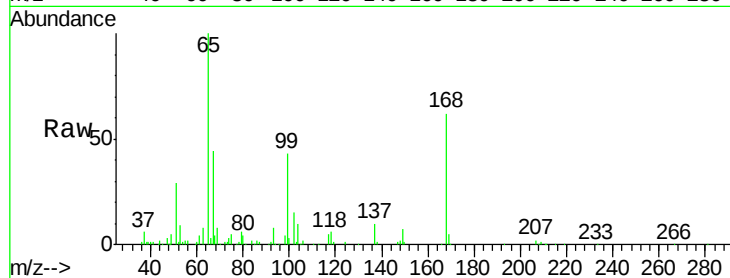
#33
 1,2-Dichloroethane-d4
 Concen: 54.111 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168360		
67	45.3	0.0	85.8	

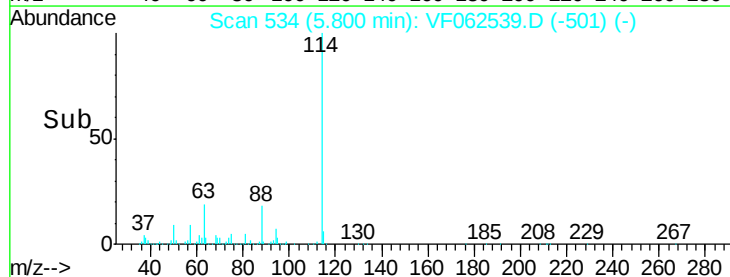
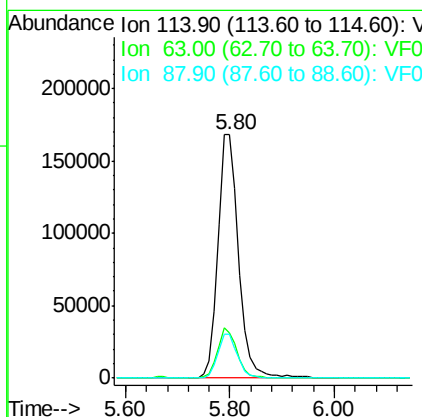
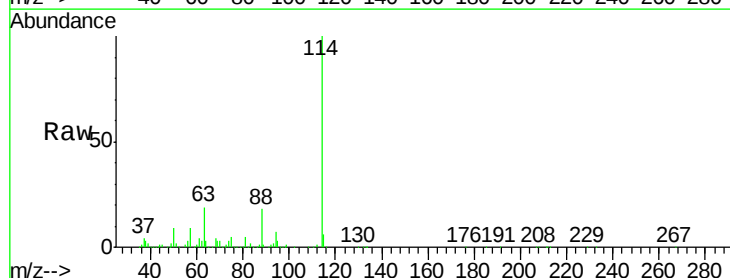
Manual Integrations
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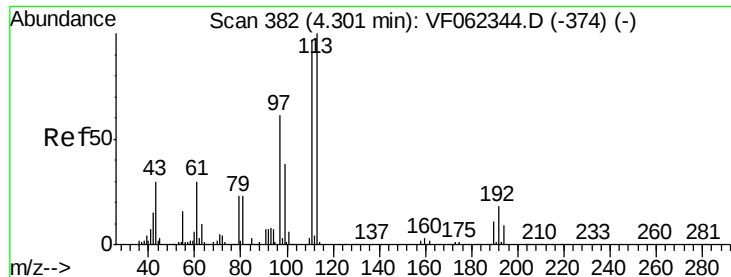
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462509		
63	18.6	0.0	37.4	
88	17.8	0.0	36.4	





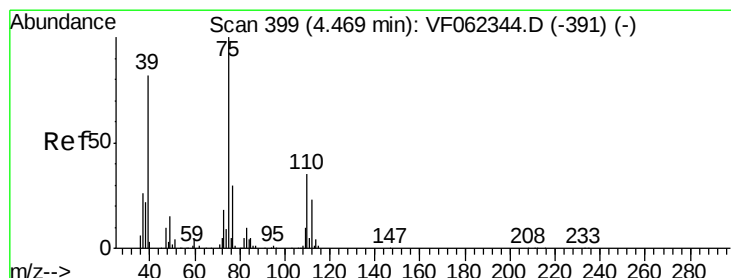
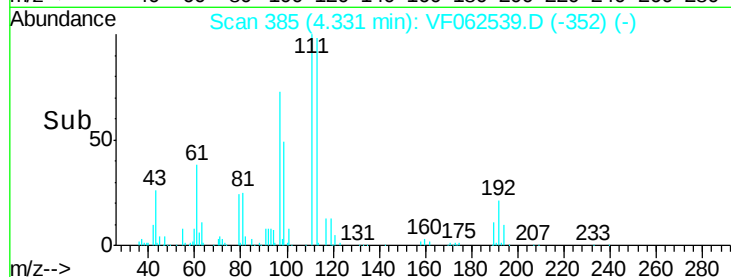
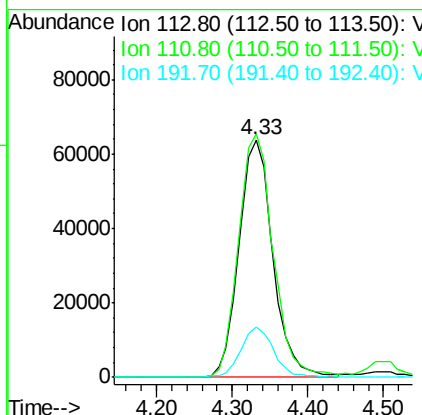
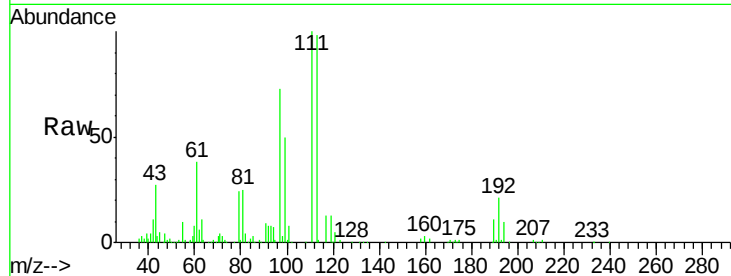
#35
 Dibromofluoromethane
 Concen: 53.944 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	79.4	119.0
192	21.0	16.0	24.0

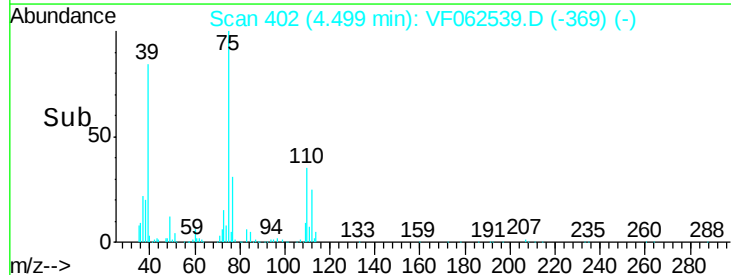
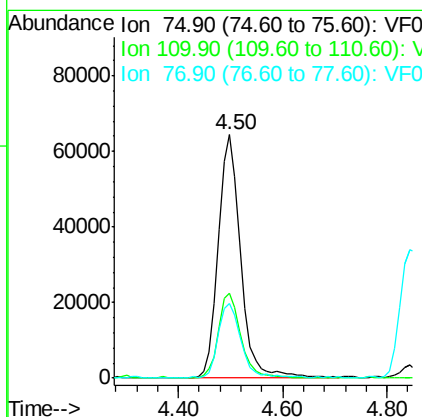
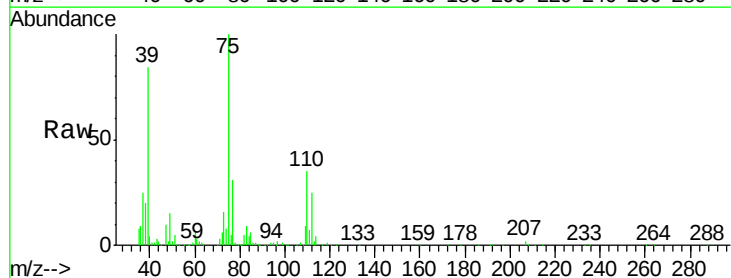
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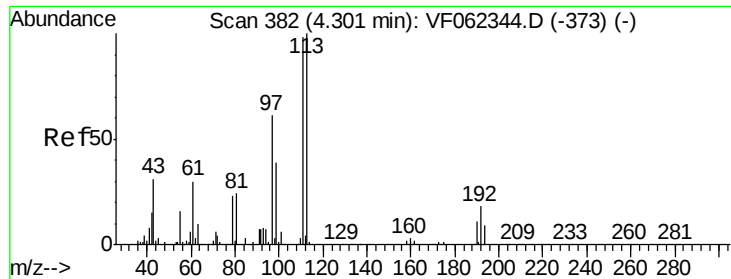
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#36
 1,1-Dichloropropene
 Concen: 48.504 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.2	51.5
77	31.9	25.2	37.8





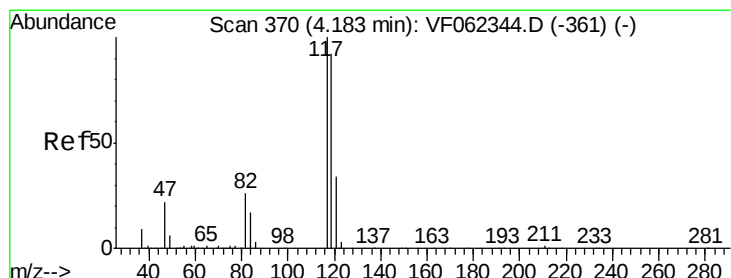
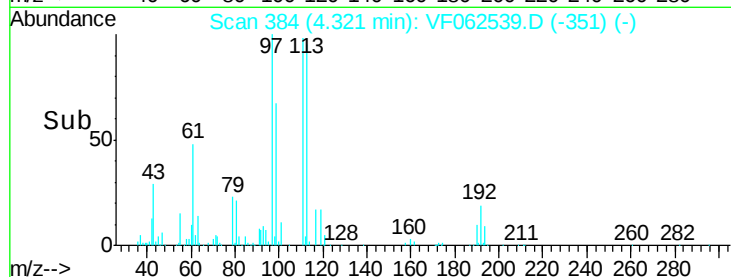
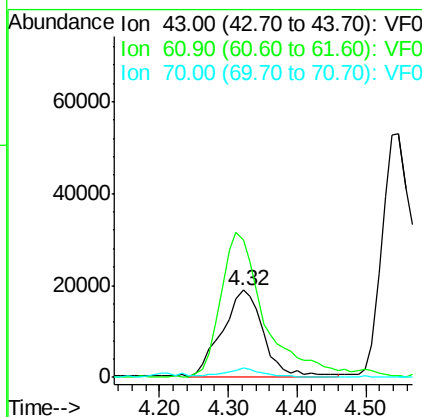
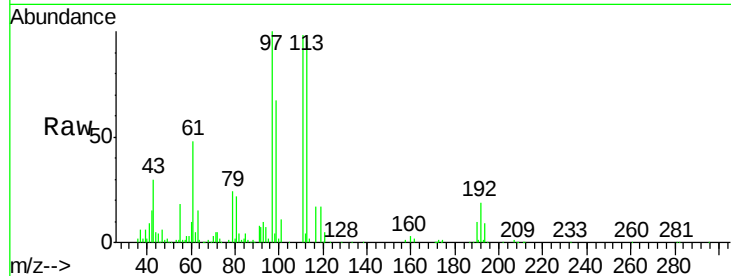
#37
Ethyl Acetate
Concen: 51.830 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	175.6	0.0	0.0#
70	9.5	8.2	12.2

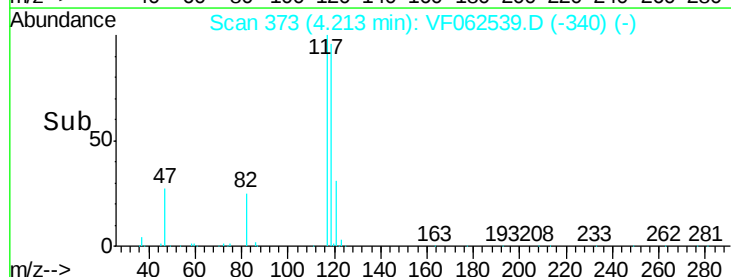
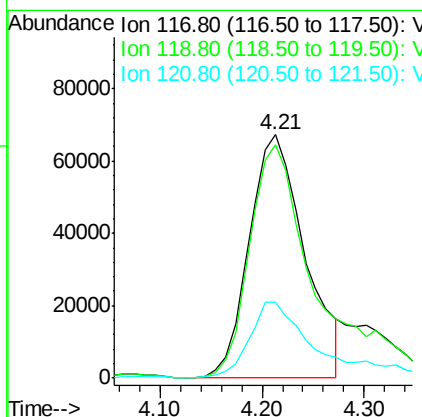
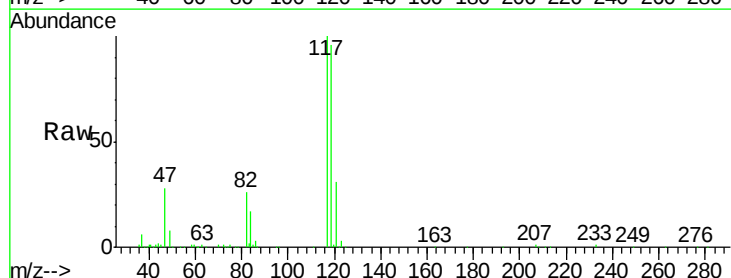
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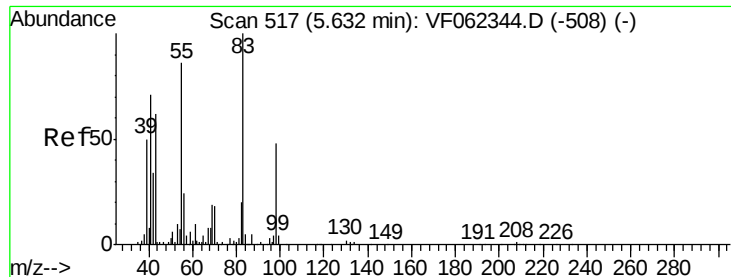
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#38
Carbon Tetrachloride
Concen: 62.338 ug/l m
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.4	110.2
121	31.1	27.4	41.0





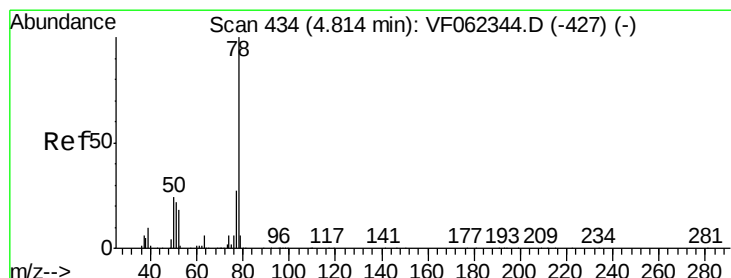
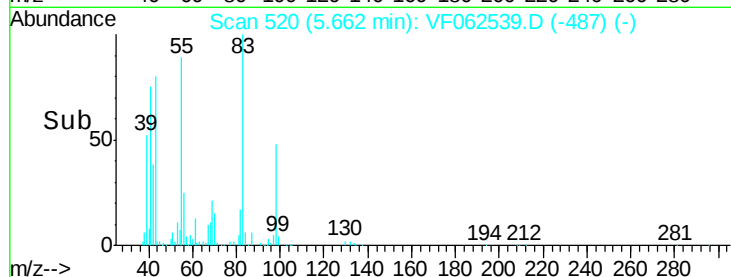
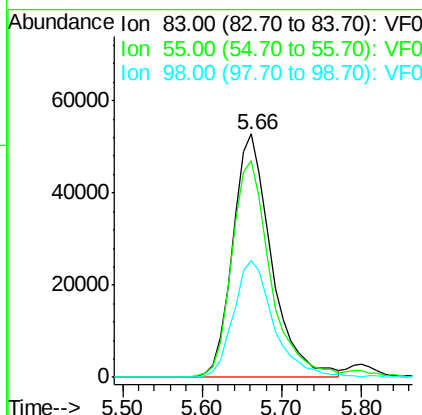
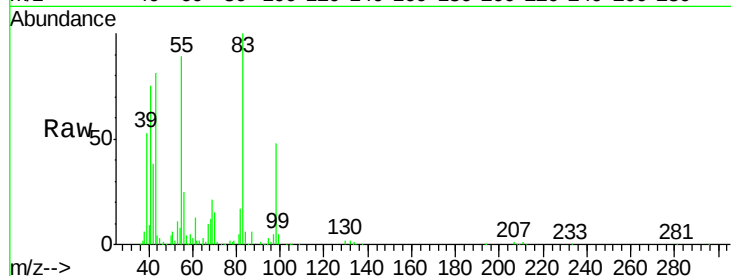
#39
Methvlcvclohexane
Concen: 44.740 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	69.0	103.6
98	48.1	38.6	58.0

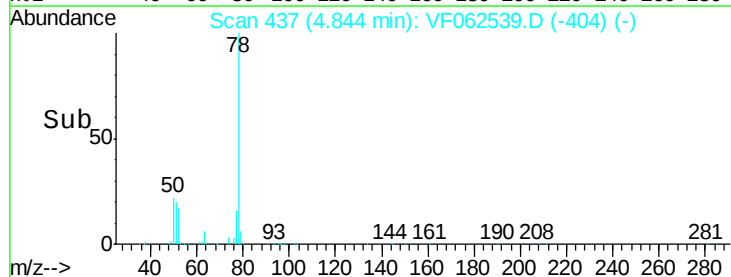
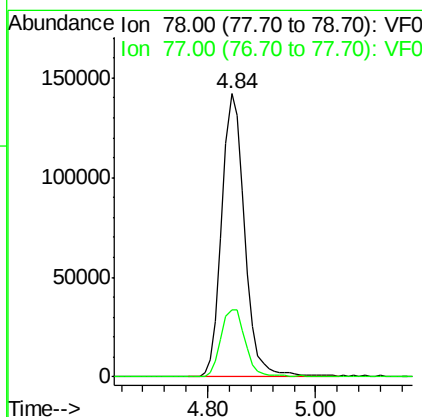
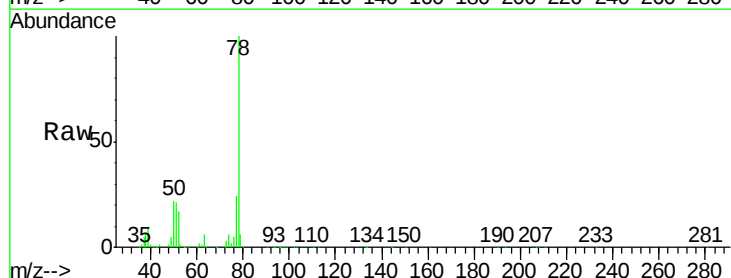
Manual Integrations
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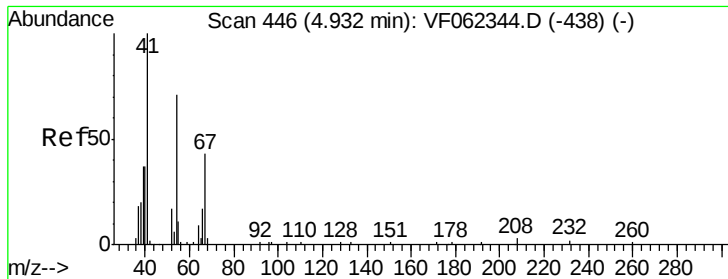
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#40
Benzene
Concen: 47.921 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	21.6	32.4





#41

Methacrylonitrile

Concen: 41.569 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

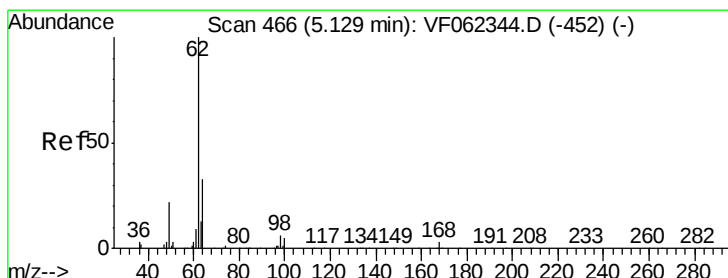
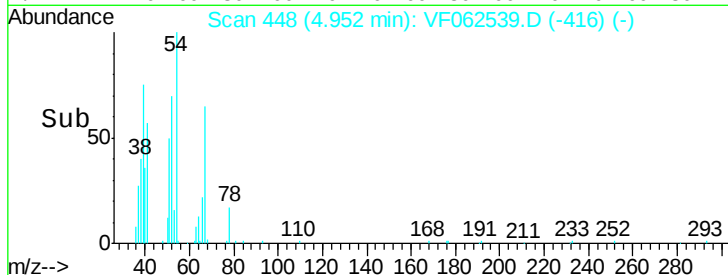
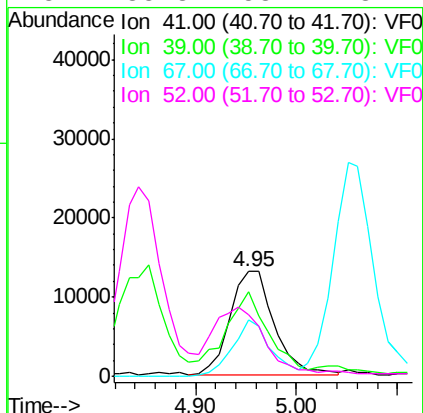
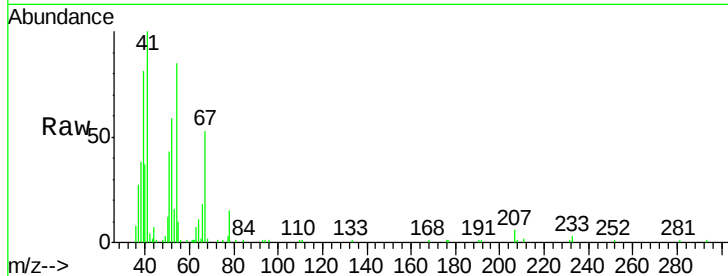
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	39602
Ion	Ratio	Lower	Upper
41	100		
39	77.4	54.3	81.5
67	47.1	37.8	56.8
52	85.3	58.2	87.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.520 ug/l

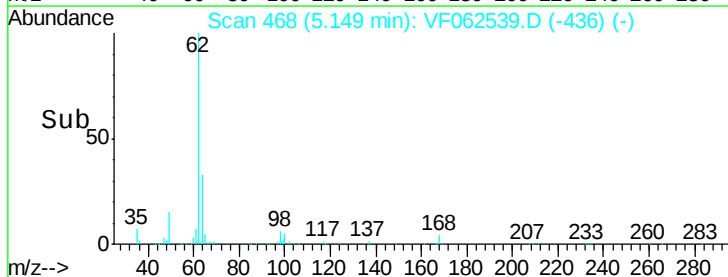
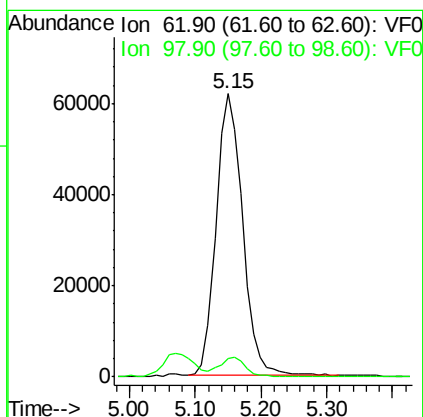
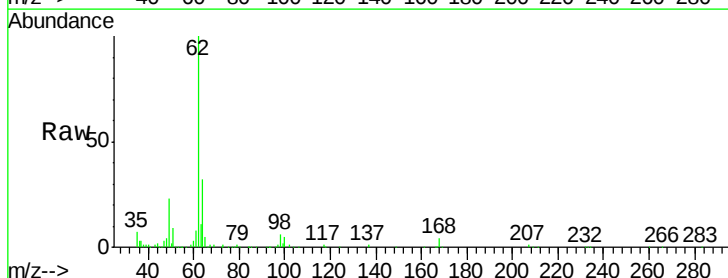
RT: 5.15 min Scan# 468

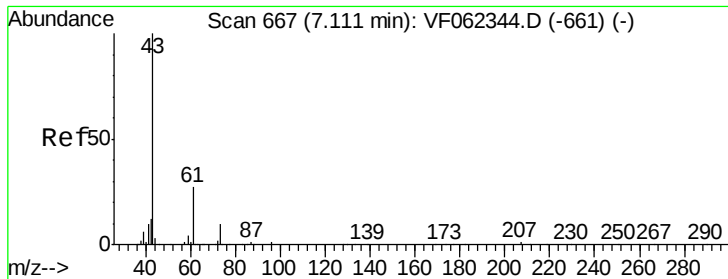
Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion	62	Resp	173884
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	12.4





#43

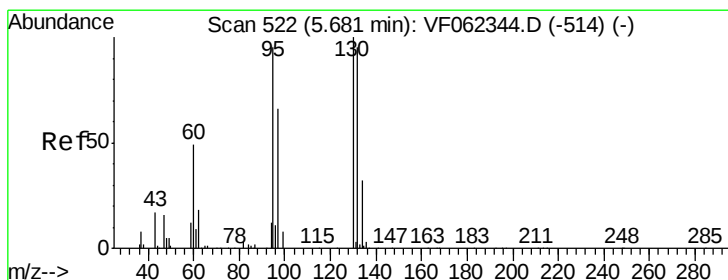
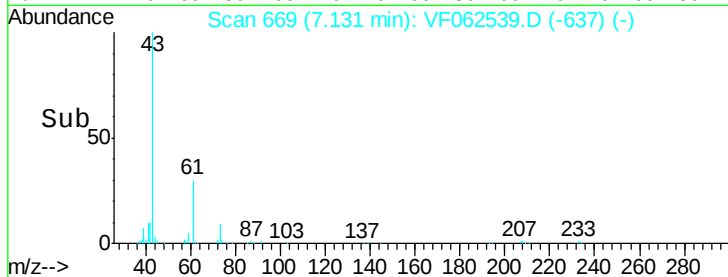
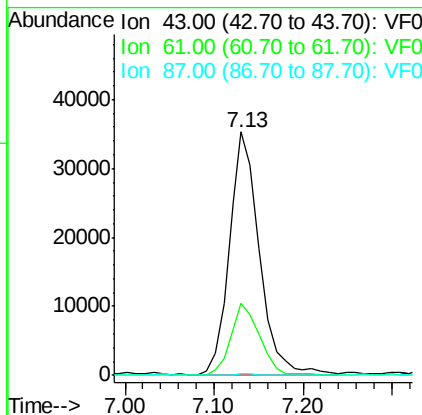
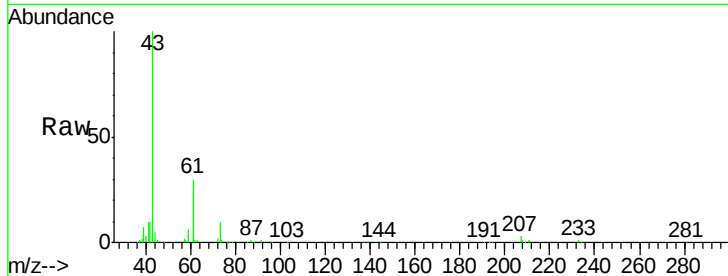
Isopropyl Acetate
 Concen: 45.487 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.8	34.2
87	0.4	0.6	1.0

Manual Integrations
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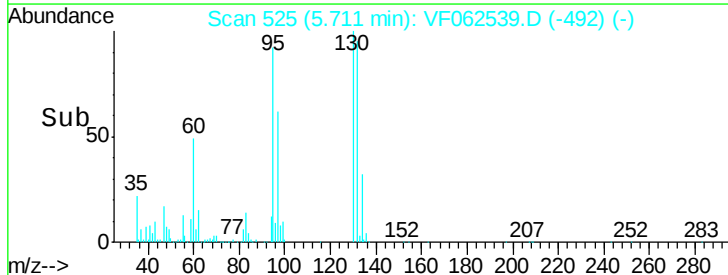
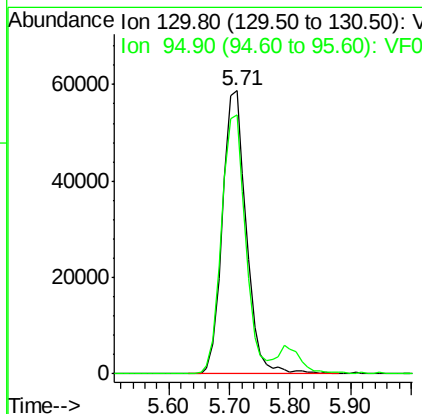
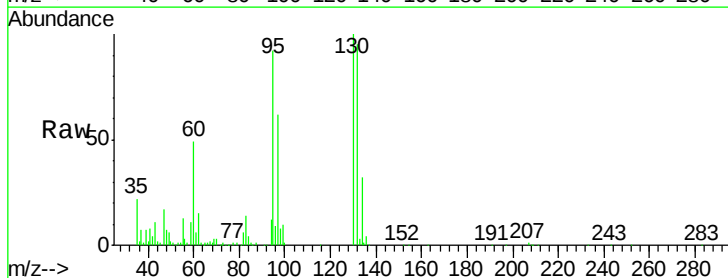
MMDadoda
 5/14/2019 11:34:55 AM

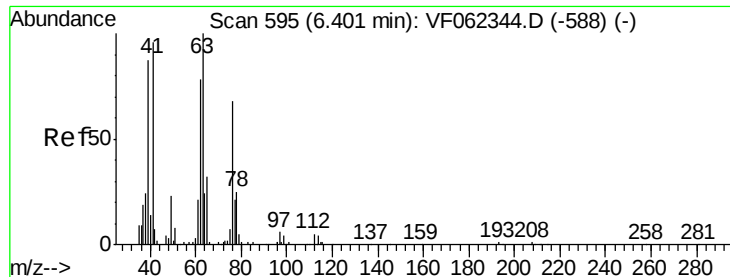


#44

Trichloroethene
 Concen: 50.029 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	189.0





#45

1,2-Dichloropropane

Concen: 51.592 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.03 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 102239

Ion Ratio Lower Upper

63 100

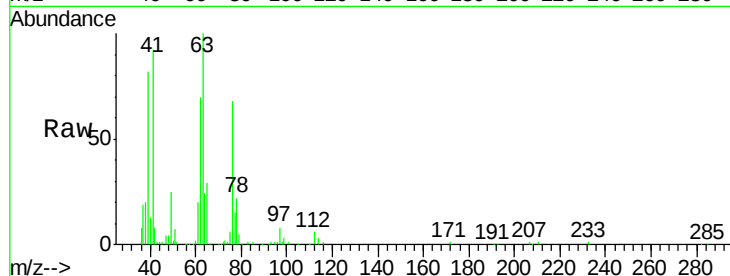
65 29.0 25.6 38.4

Manual Integrations

APPROVED

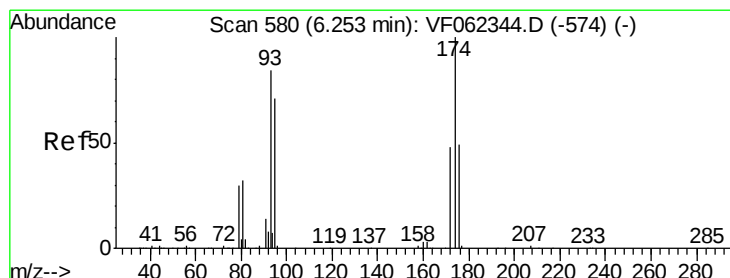
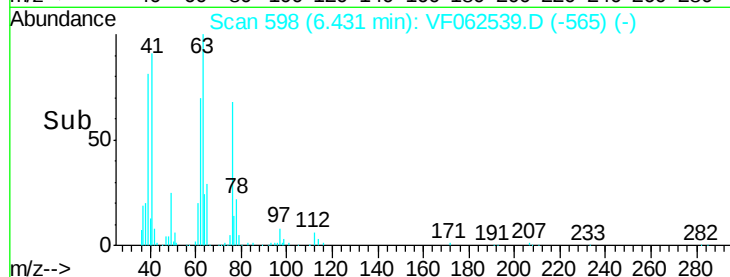
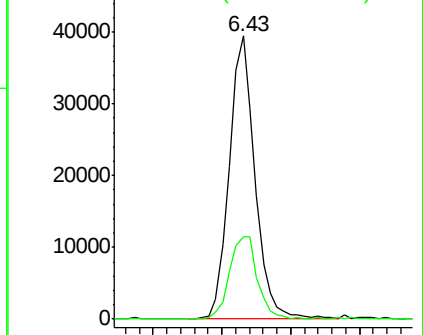
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Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0



#46

Dibromomethane

Concen: 50.583 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

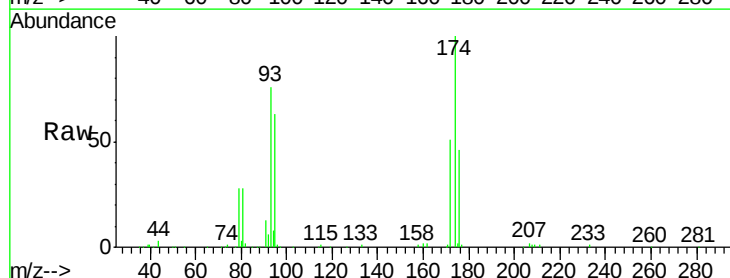
Tgt Ion: 93 Resp: 83111

Ion Ratio Lower Upper

93 100

95 83.7 68.4 102.6

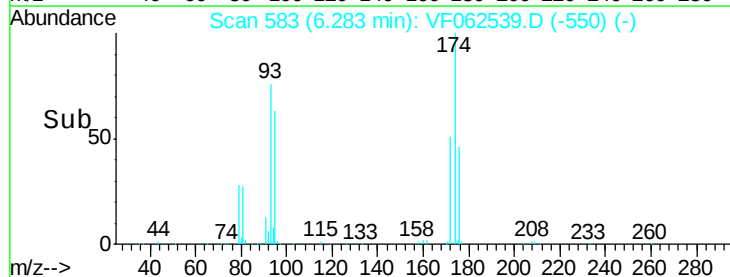
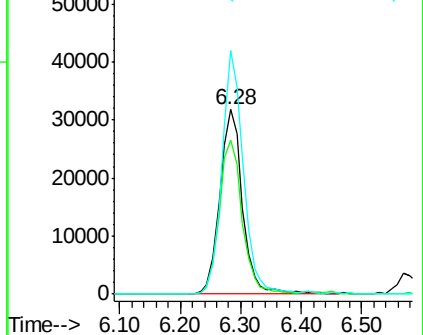
174 124.1 99.6 149.4

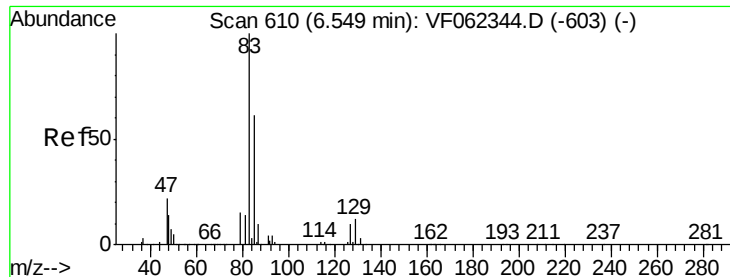


Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.703 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.03 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

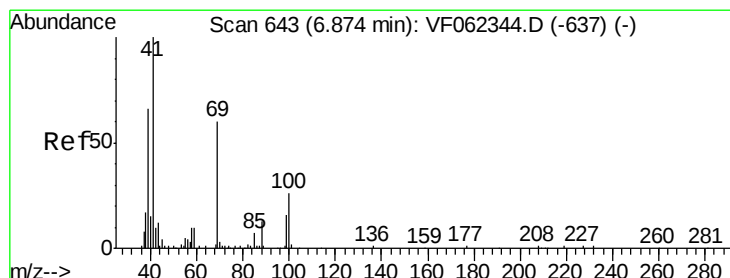
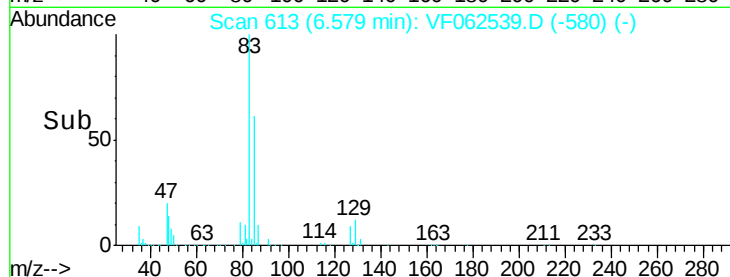
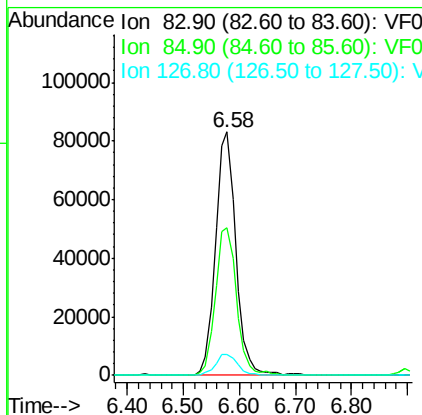
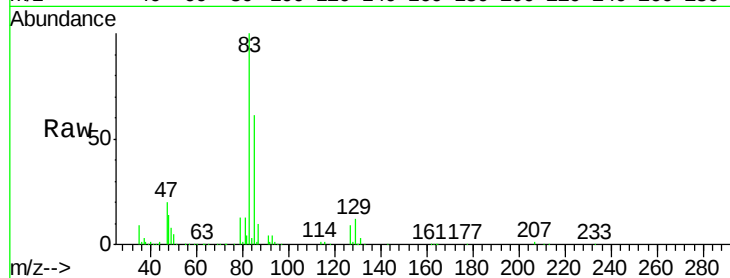
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	212391
Ion Ratio	Lower	Upper	
83	100		
85	60.7	49.1	73.7
127	8.5	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.889 ug/l

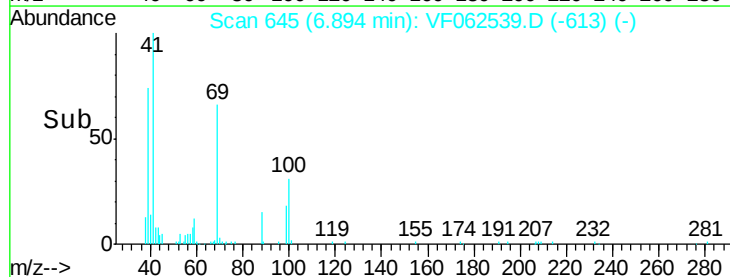
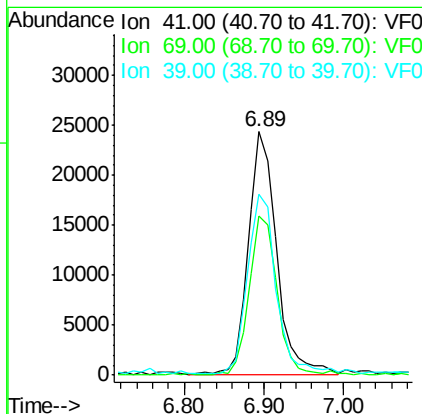
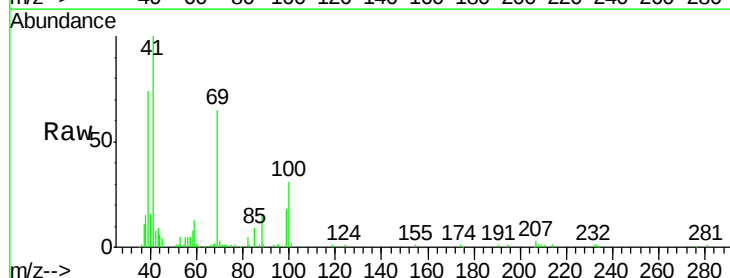
RT: 6.89 min Scan# 645

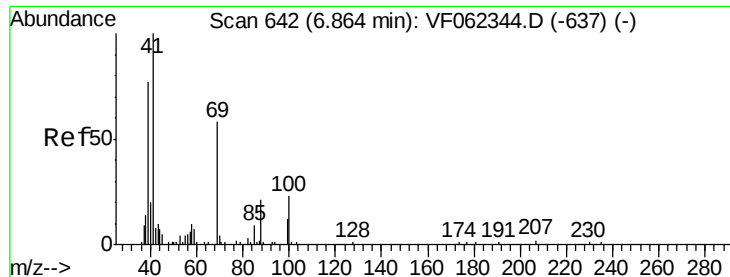
Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	41	Resp:	59882
Ion Ratio	Lower	Upper	
41	100		
69	63.5	48.6	72.8
39	74.8	56.1	84.1





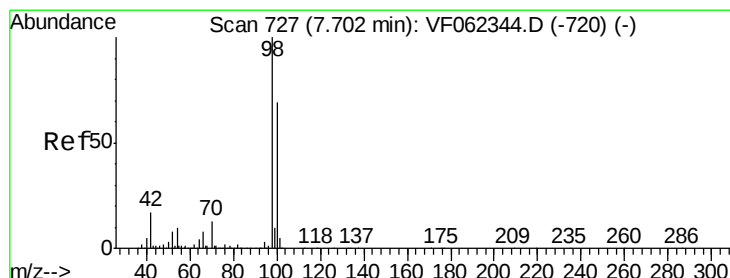
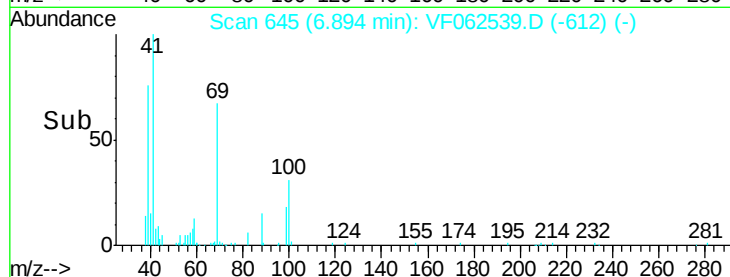
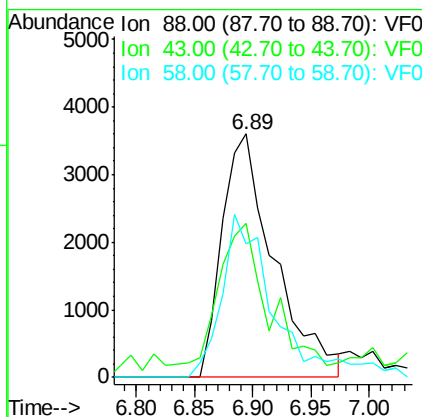
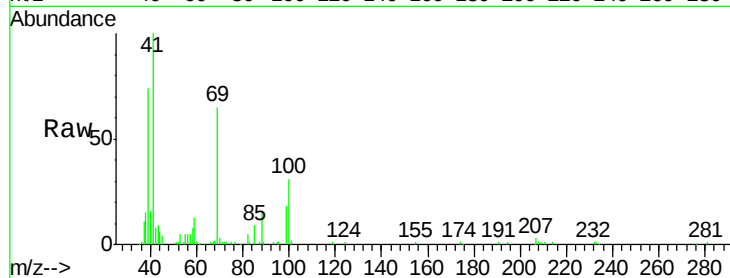
#49
1,4-Dioxane
Concen: 848.740 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.6	55.6	83.4#
58	67.9	52.8	79.2

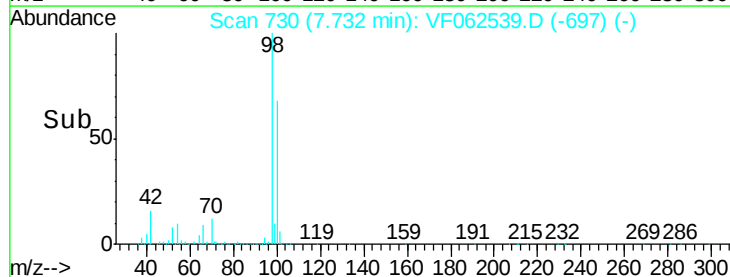
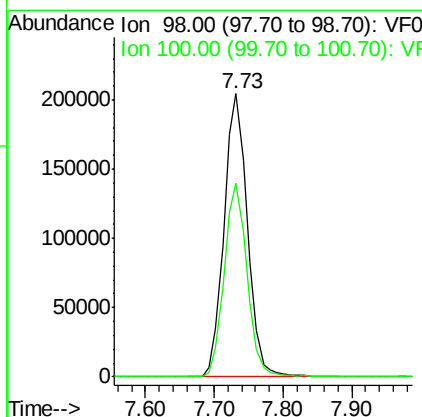
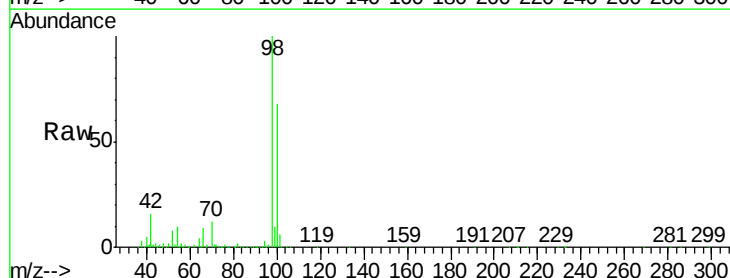
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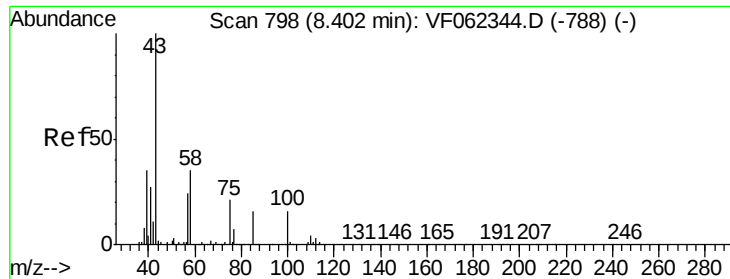
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#50
Toluene-d8
Concen: 54.026 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 245.362 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 335993

Ion Ratio Lower Upper

43 100

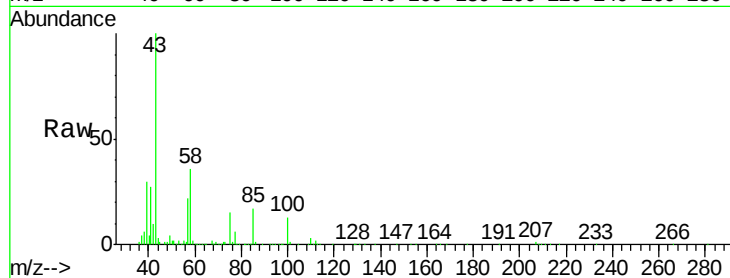
58 34.0 27.8 41.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

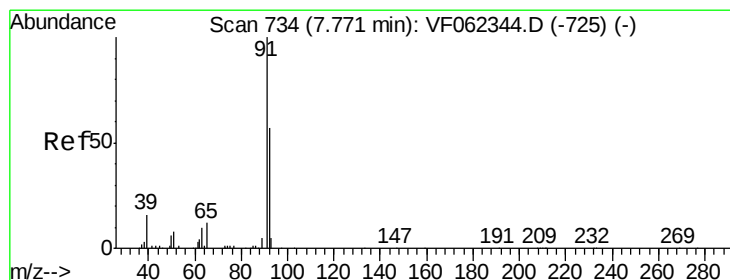
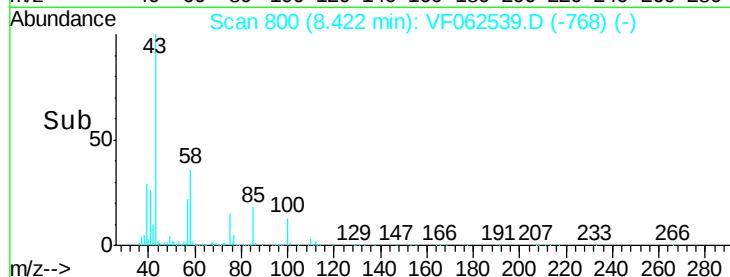
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 50.585 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062539.D

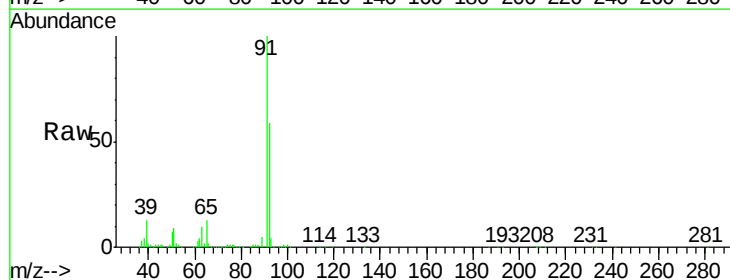
Acq: 13 May 2019 12:51

Tgt Ion: 92 Resp: 273027

Ion Ratio Lower Upper

92 100

91 166.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

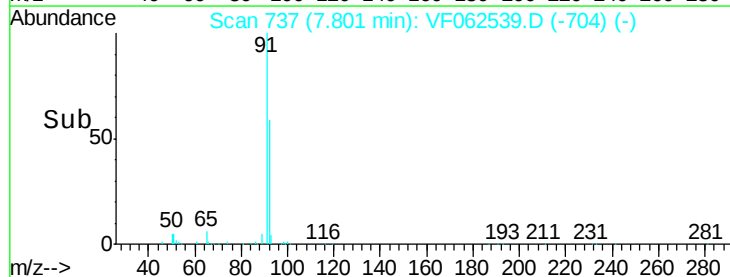
100000

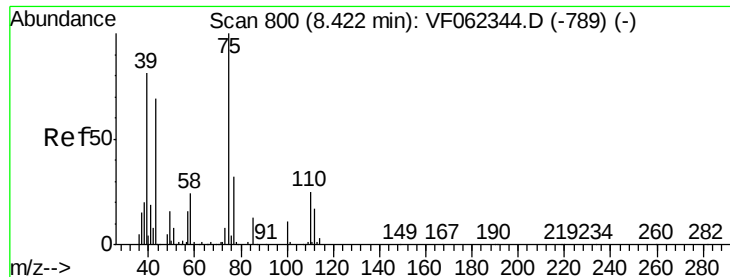
50000

0

7.60 7.80 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.816 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 160989

Ion Ratio Lower Upper

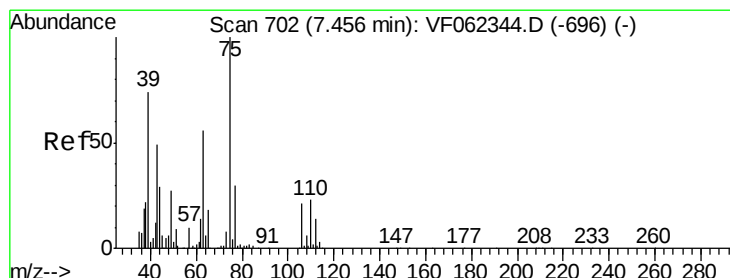
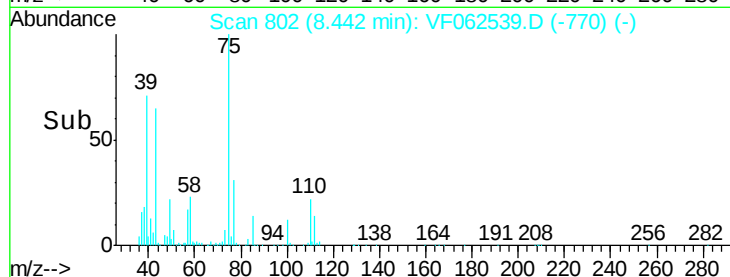
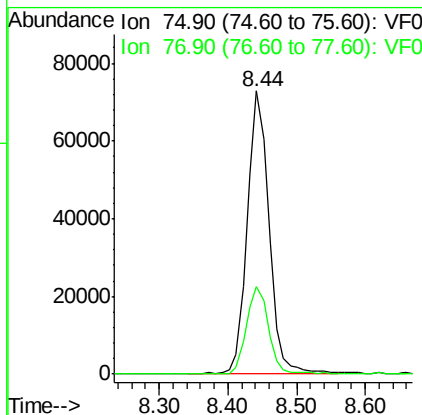
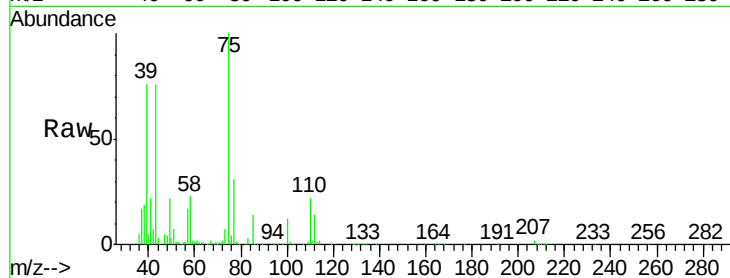
75 100

77 30.6 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 51.673 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

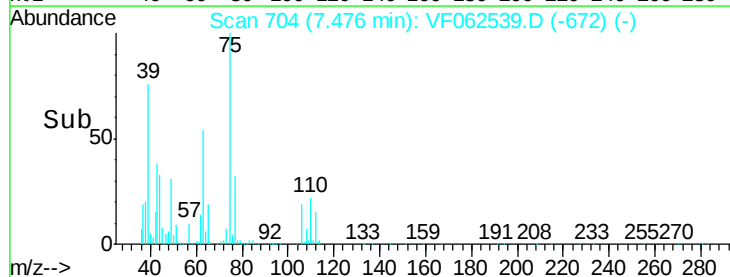
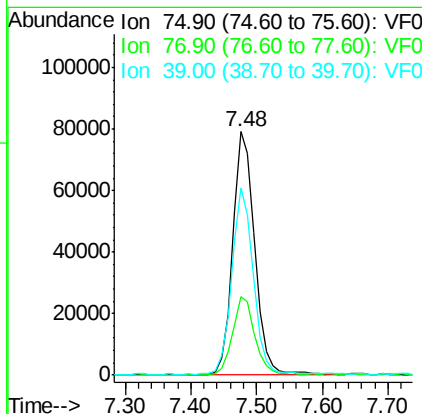
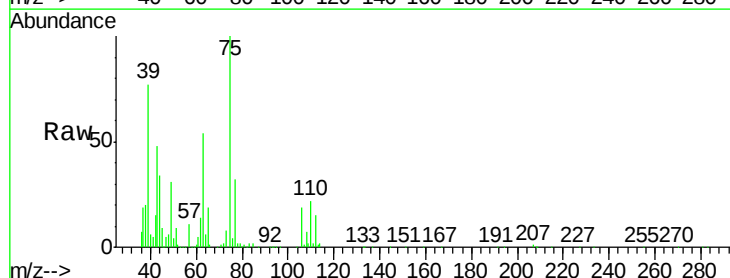
Tgt Ion: 75 Resp: 186846

Ion Ratio Lower Upper

75 100

77 31.8 24.0 36.0

39 76.3 58.7 88.1





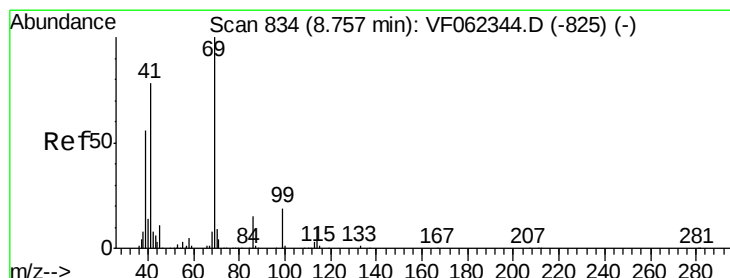
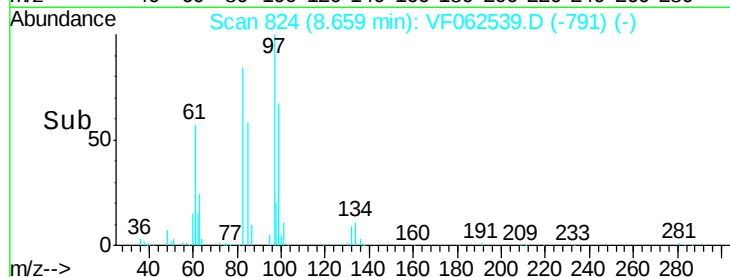
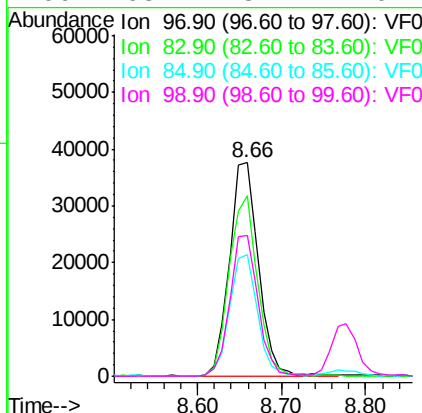
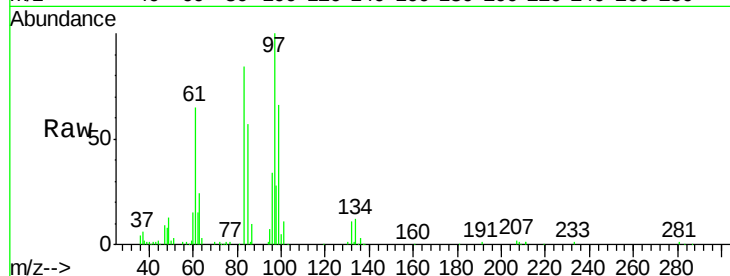
#55
 1,1,2-Trichloroethane
 Concen: 52.855 ug/l
 RT: 8.66 min Scan# 824
 Delta R.T. 0.03 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90562
Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.5	102.7
85	56.9	45.4	68.2
99	65.7	52.7	79.1

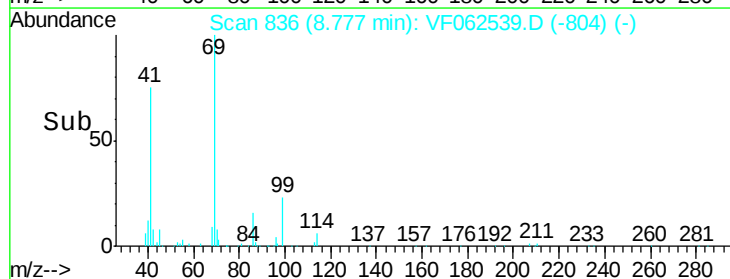
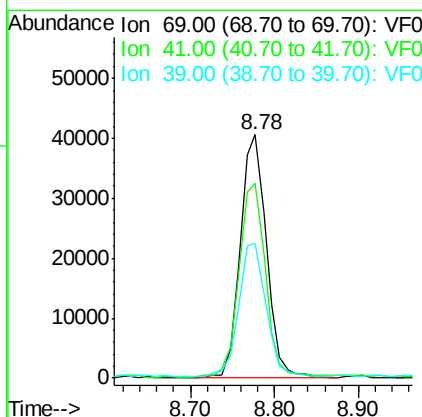
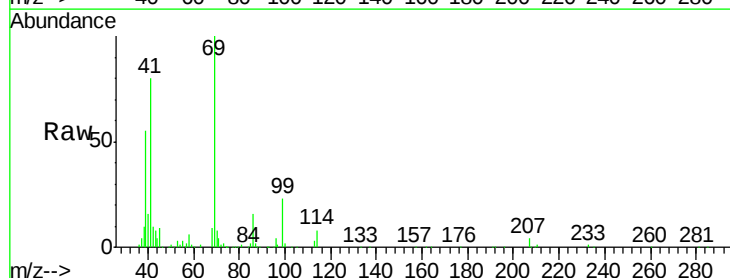
Manual Integrations
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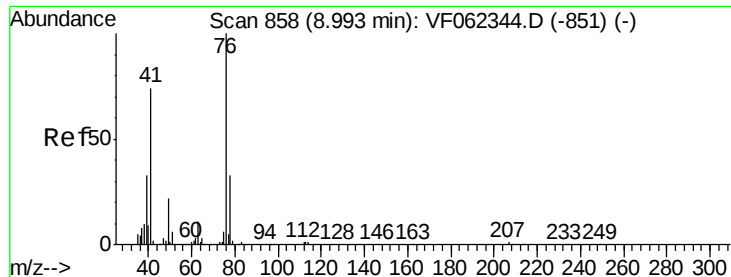
MMDadoda
 5/14/2019 11:34:55 AM



#56
 Ethyl methacrylate
 Concen: 48.740 ug/l
 RT: 8.78 min Scan# 836
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion:	69	Resp:	88154
Ion	Ratio	Lower	Upper
69	100		
41	80.6	66.3	99.5
39	57.1	50.1	75.1





#57

1,3-Dichloropropane

Concen: 53.836 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 139333

Ion Ratio Lower Upper

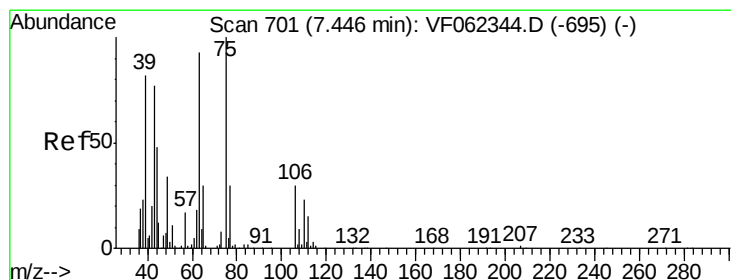
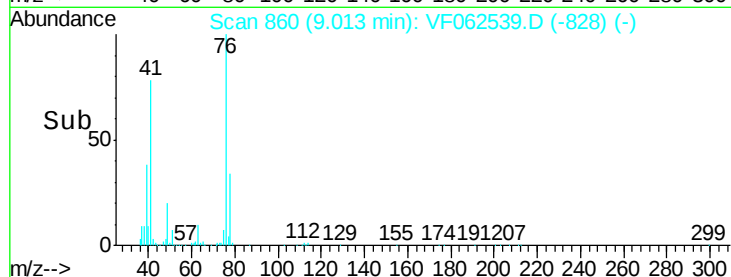
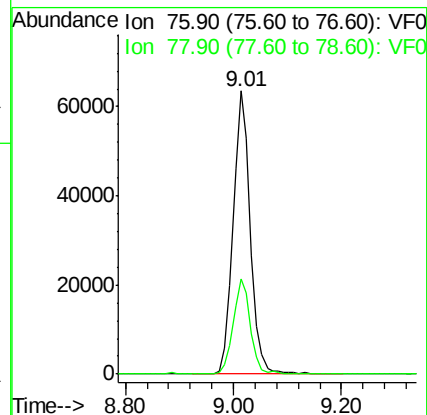
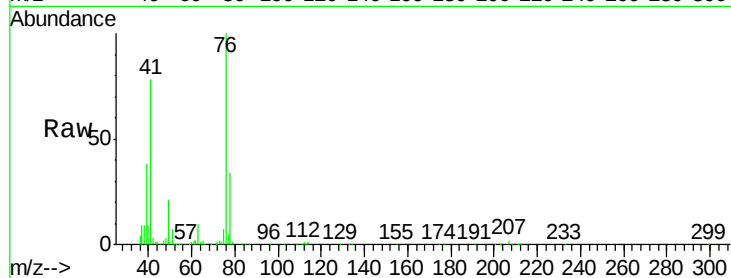
76 100

78 33.8 26.4 39.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 190.428 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062539.D

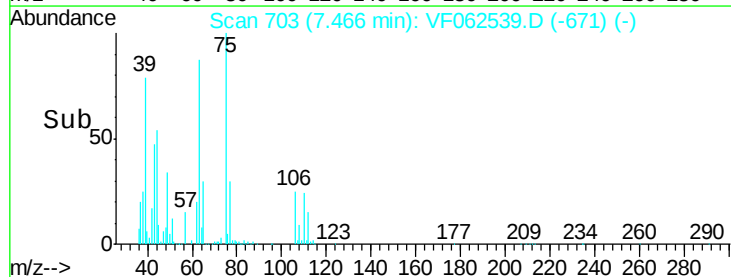
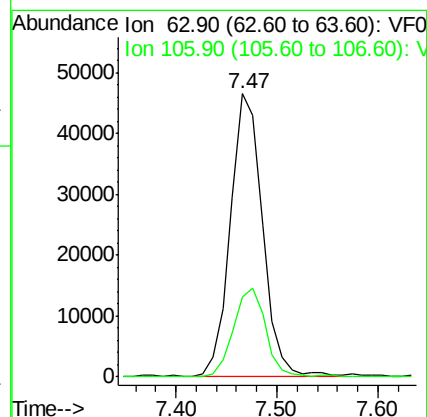
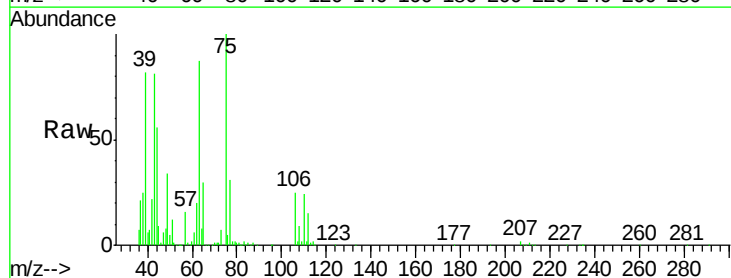
Acq: 13 May 2019 12:51

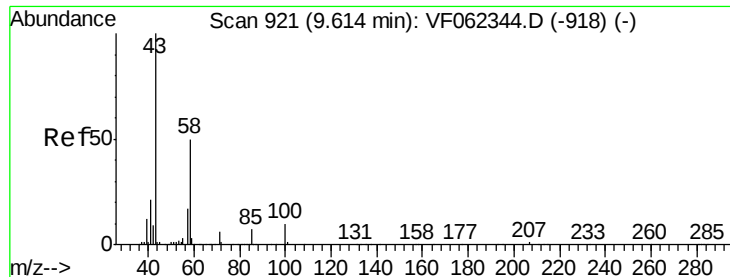
Tgt Ion: 63 Resp: 103548

Ion Ratio Lower Upper

63 100

106 31.7 25.8 38.8





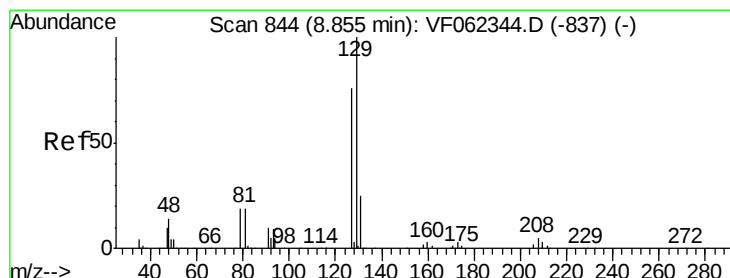
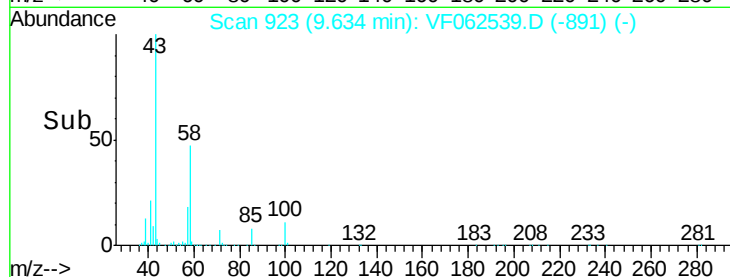
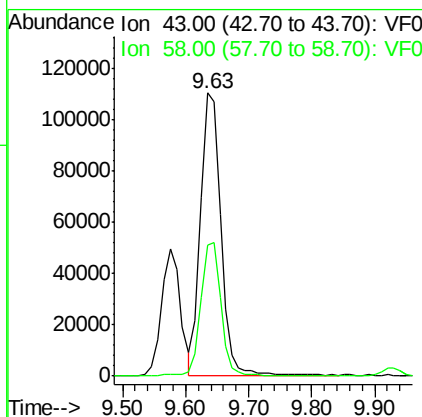
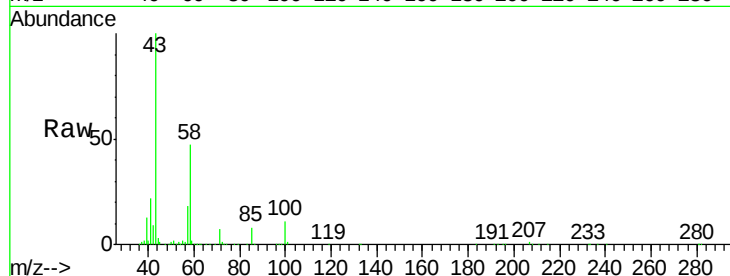
#59
2-Hexanone
Concen: 261.257 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 247426
Ion Ratio Lower Upper
43 100
58 47.2 24.3 73.0

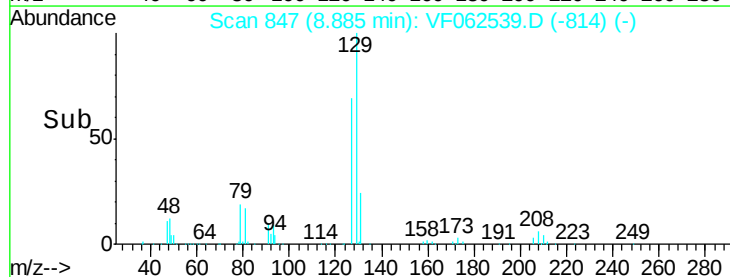
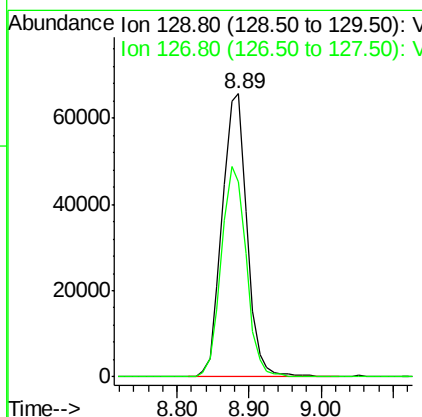
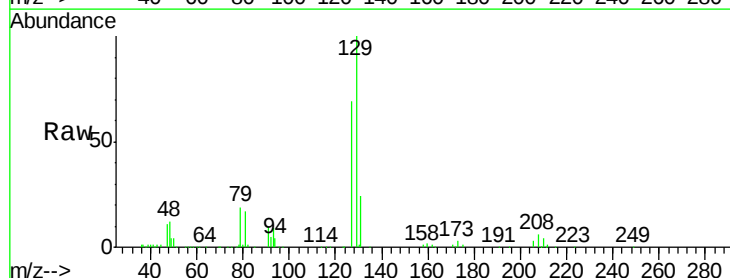
Manual Integrations
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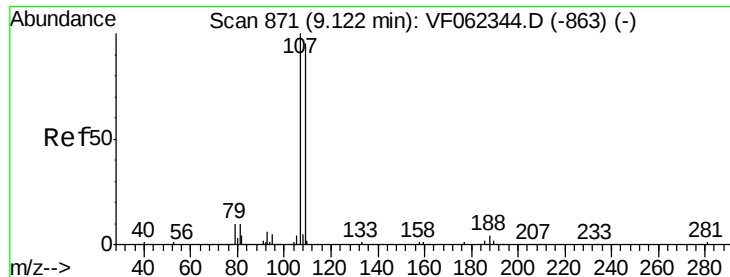
MMDadoda
5/14/2019 11:34:55 AM



#60
Dibromochloromethane
Concen: 55.968 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion: 129 Resp: 156839
Ion Ratio Lower Upper
129 100
127 74.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 49.654 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 99992

Ion Ratio Lower Upper

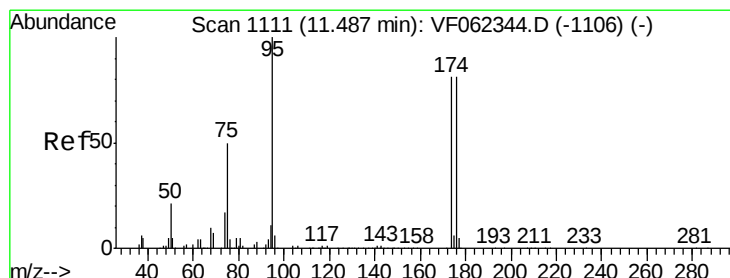
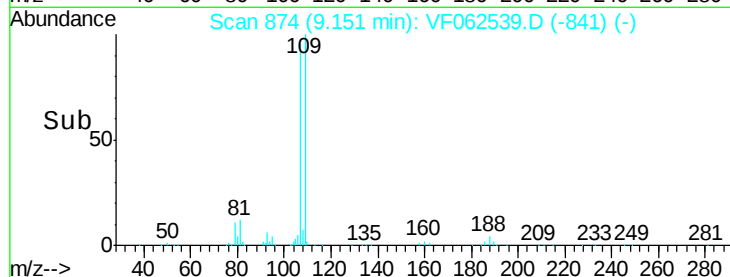
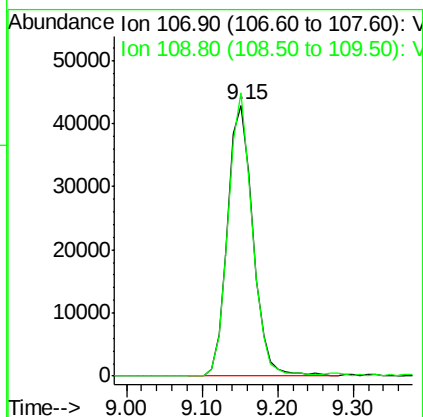
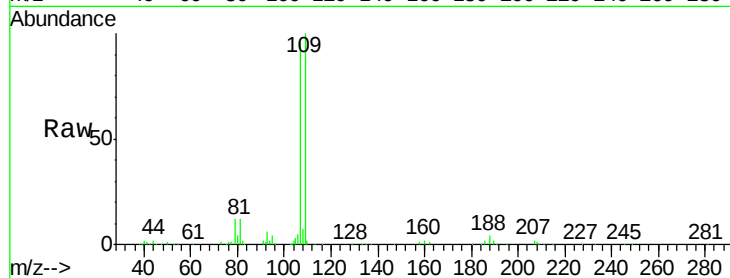
107 100

109 98.5 75.2 112.8

Manual Integrations
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MMDadoda

5/14/2019 11:34:55 AM



#62

4-Bromofluorobenzene

Concen: 54.733 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

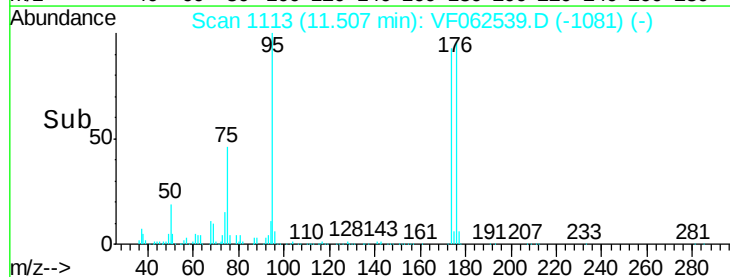
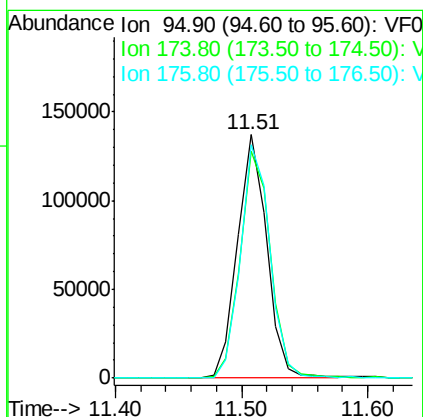
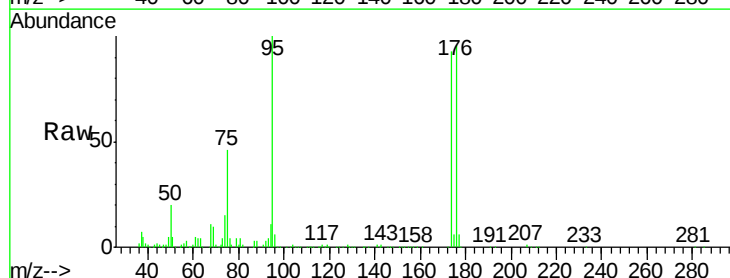
Tgt Ion: 95 Resp: 220252

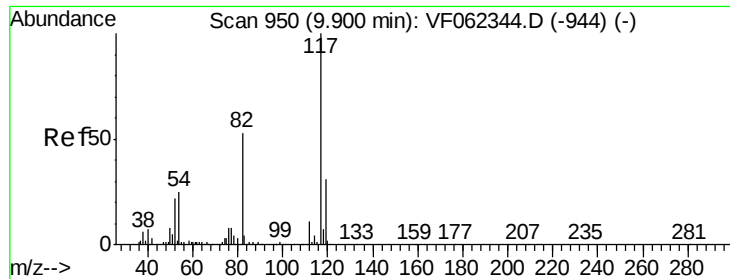
Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.8

176 97.8 0.0 193.2





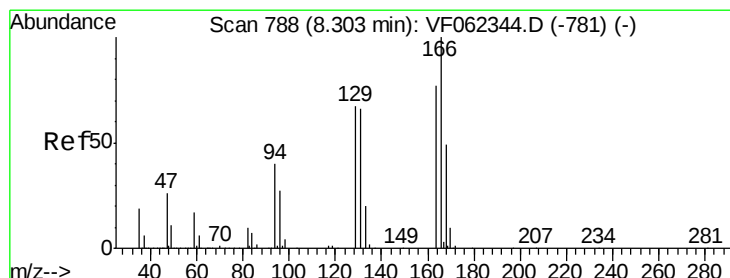
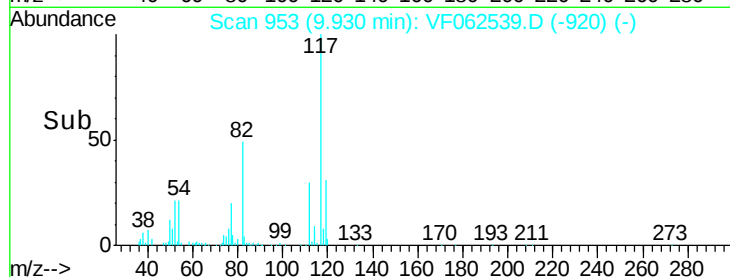
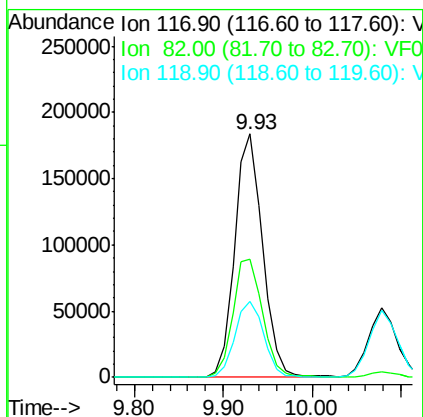
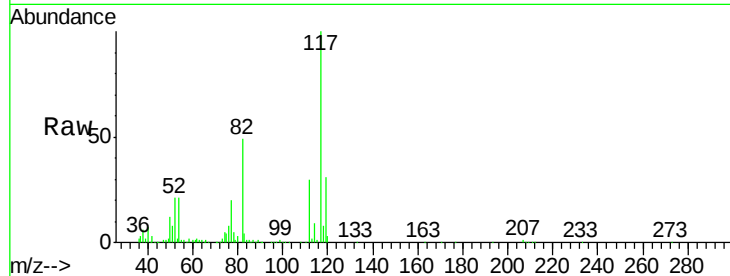
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	401722		
82	48.7		42.2	63.2
119	31.1		25.0	37.4

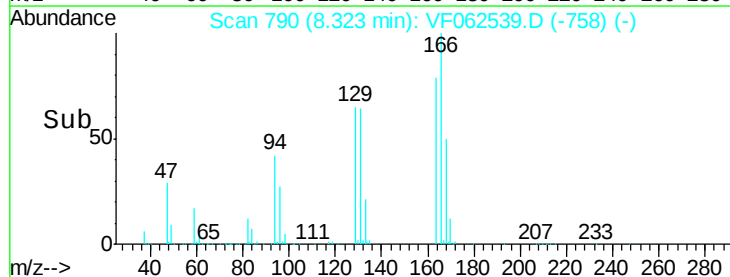
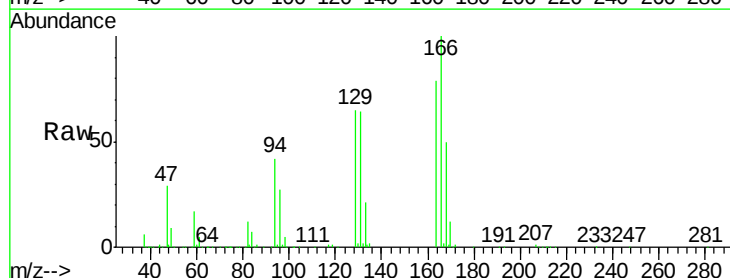
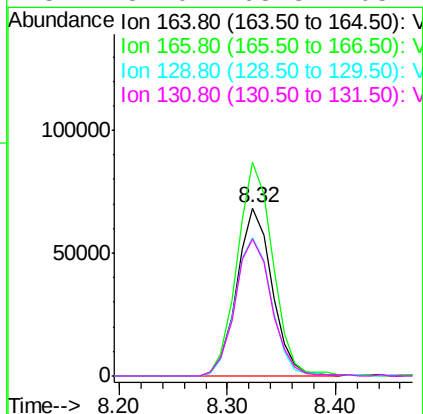
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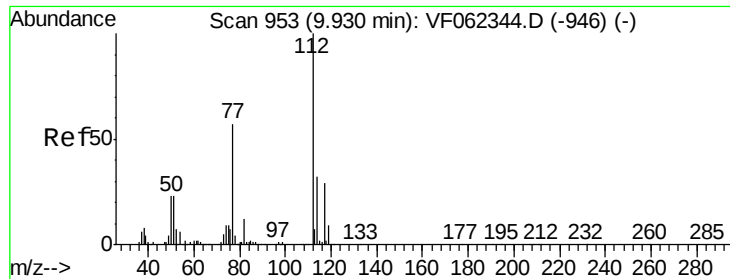
MMDadoda
5/14/2019 11:34:55 AM



#64
Tetrachloroethene
Concen: 47.448 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154741		
166	127.3		104.2	156.4
129	82.4		69.6	104.4
131	82.0		68.8	103.2





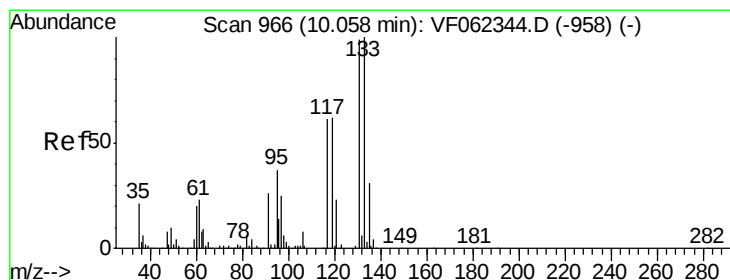
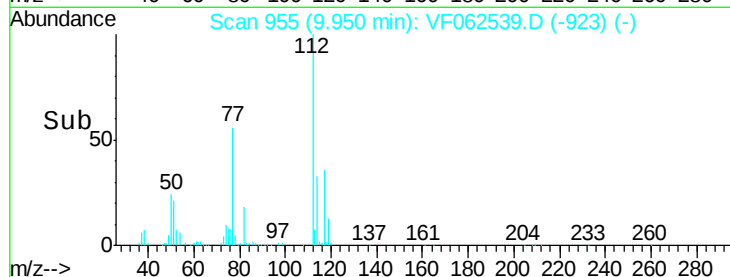
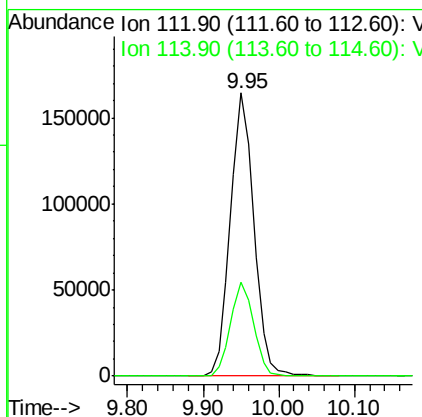
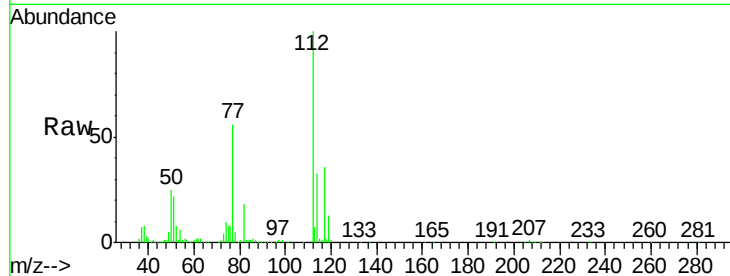
#65
Chlorobenzene
Concen: 53.389 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	354862		
114	33.3	25.4	38.0	

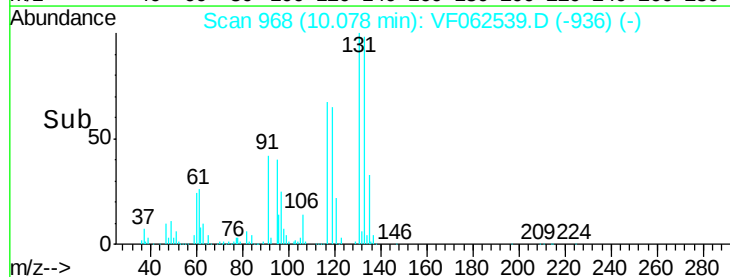
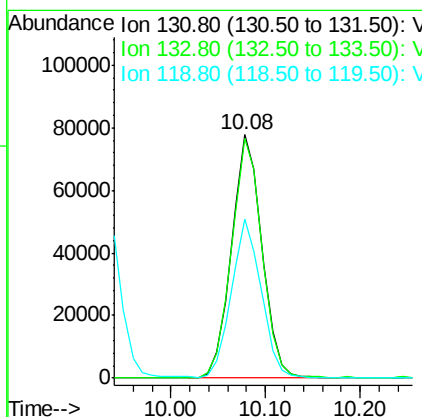
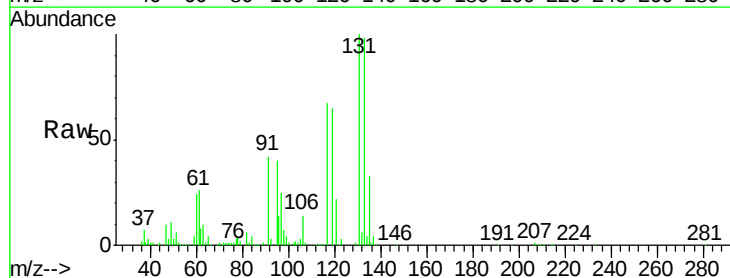
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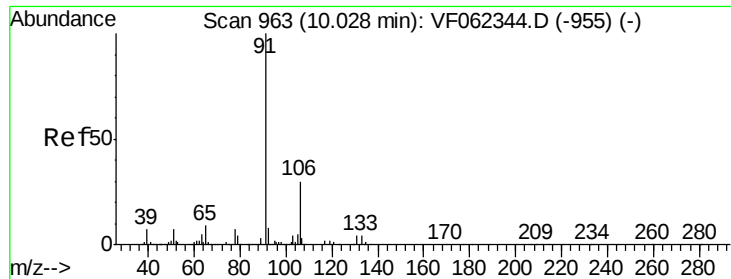
MMDadoda
5/14/2019 11:34:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.544 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	172832		
133	99.0	50.2	150.7	
119	64.8	31.6	95.0	





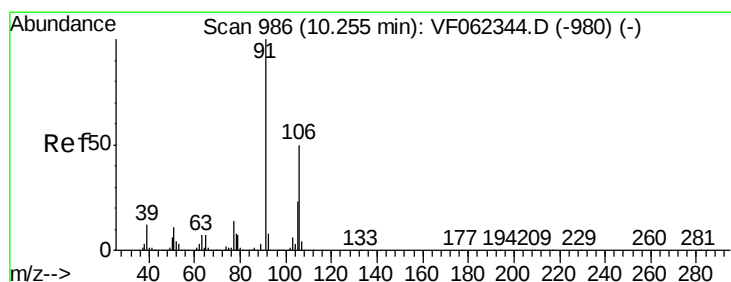
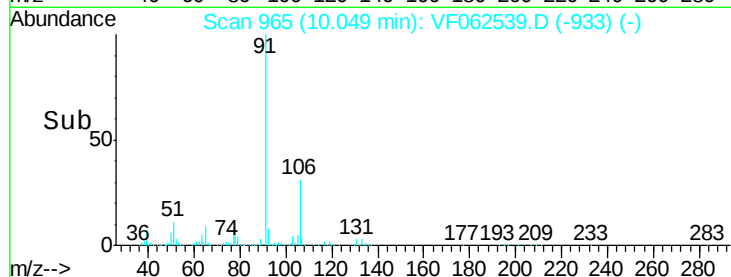
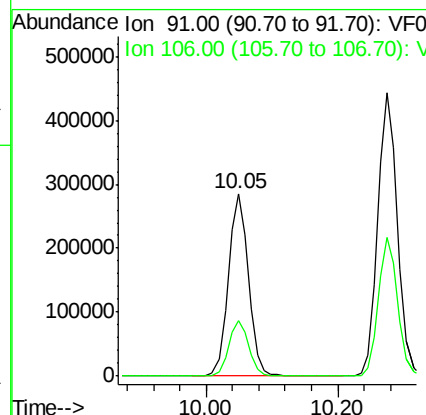
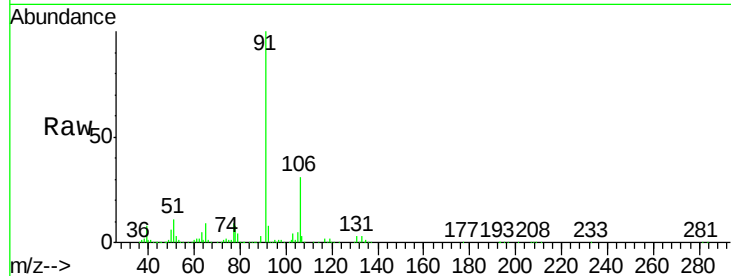
#67
Ethyl Benzene
Concen: 52.377 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 609616
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

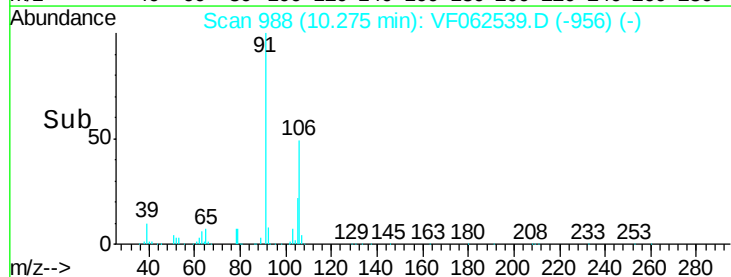
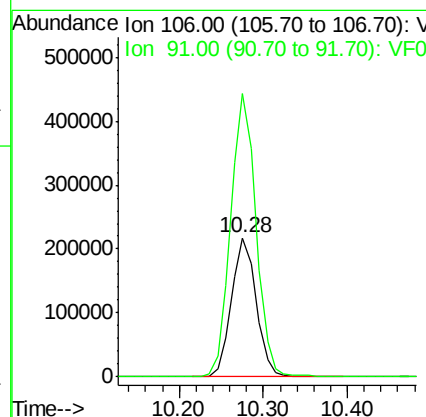
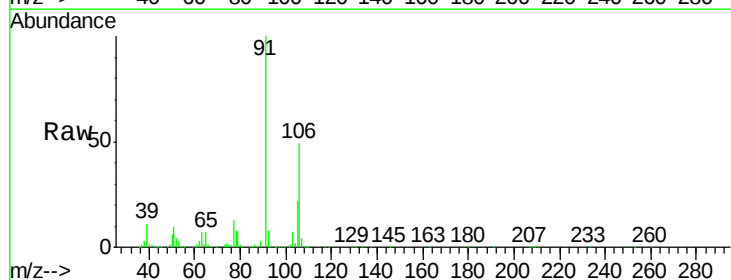
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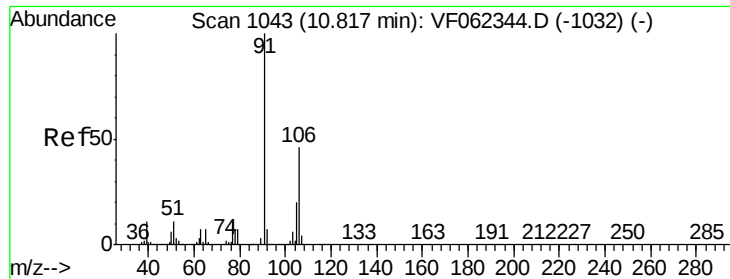
MMDadoda
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#68
m/p-Xylenes
Concen: 104.116 ug/l
RT: 10.28 min Scan# 988
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion: 106 Resp: 447115
Ion Ratio Lower Upper
106 100
91 207.2 167.4 251.2





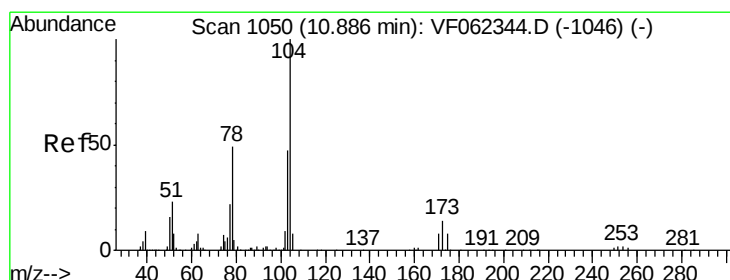
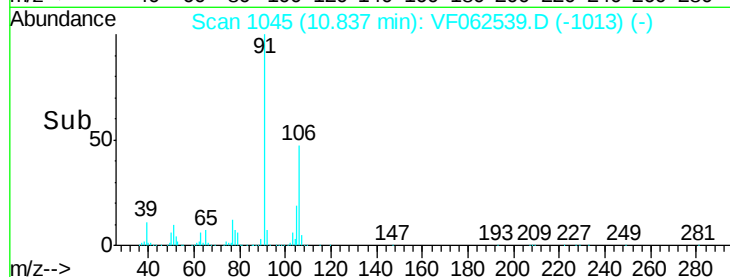
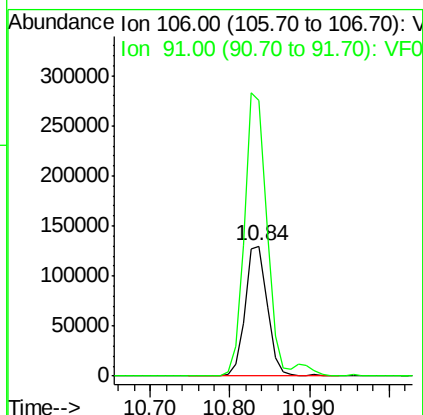
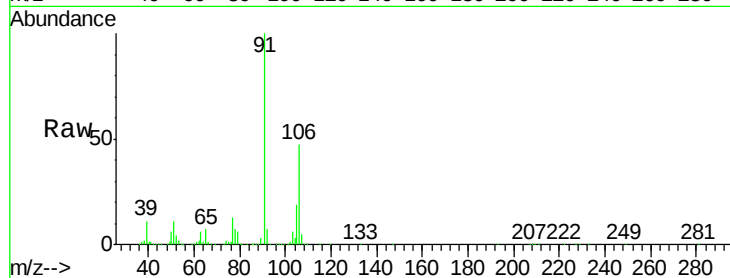
#69
o-Xylene
Concen: 53.435 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		247958		
91	219.3	111.3	333.8		

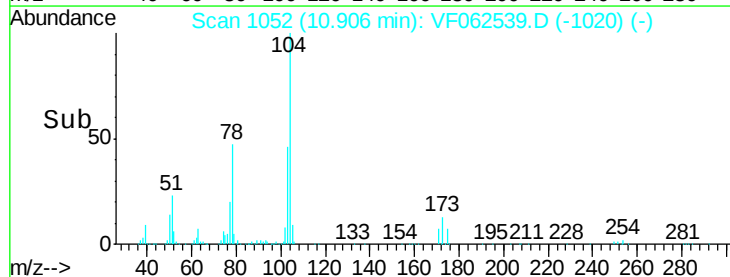
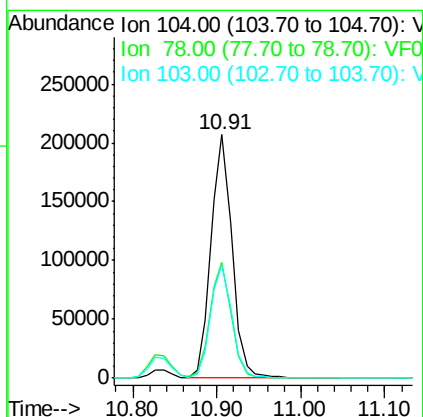
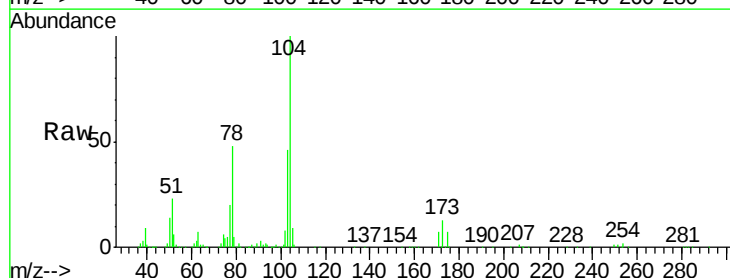
Manual Integrations
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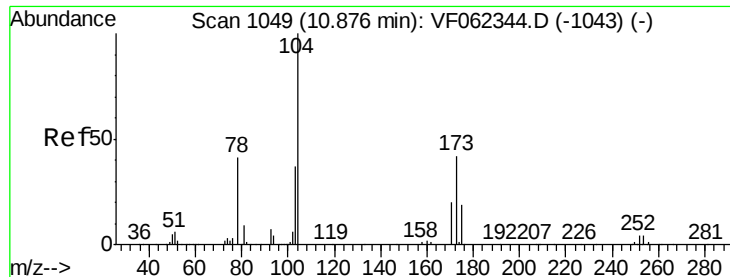
MMDadoda
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#70
Styrene
Concen: 51.549 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		358503		
78	47.7	39.5	59.3		
103	47.2	38.4	57.6		





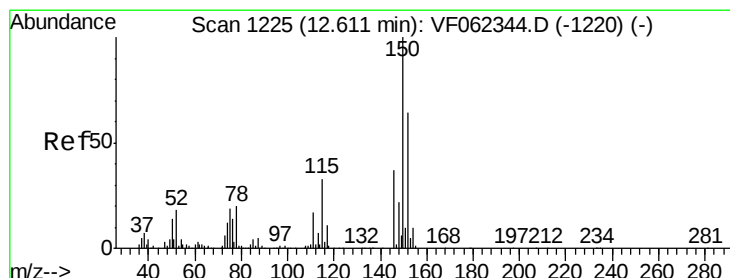
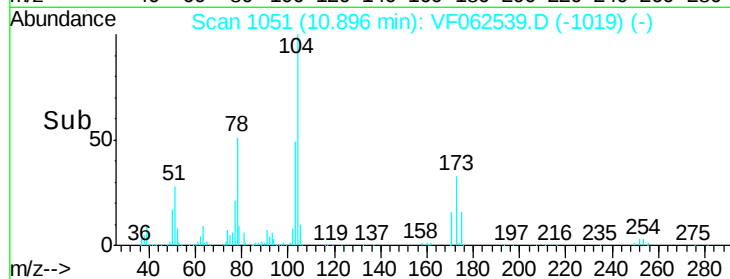
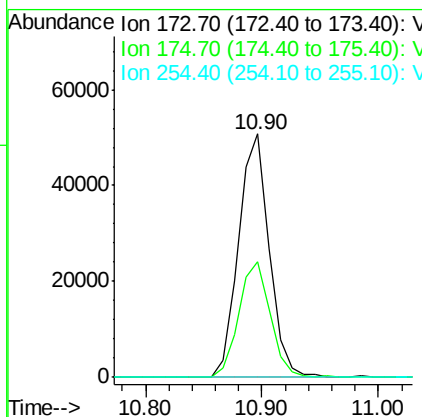
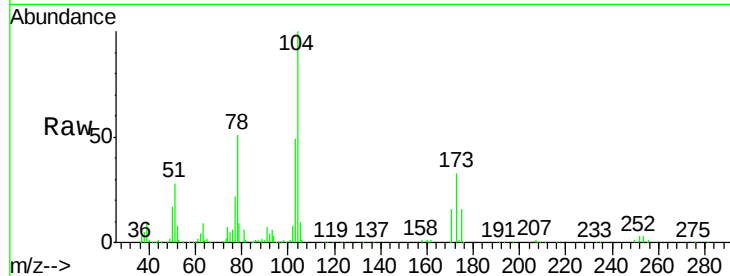
#71
Bromoform
Concen: 50.346 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.8	71.2
254	0.1	0.1	0.1#

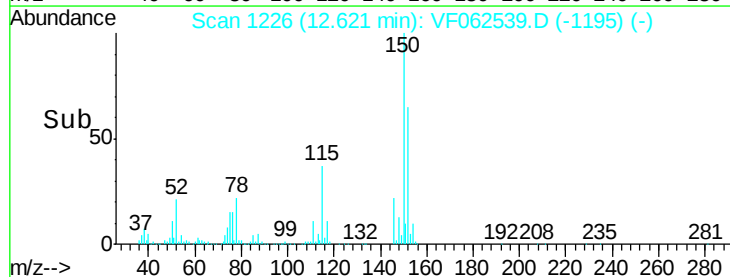
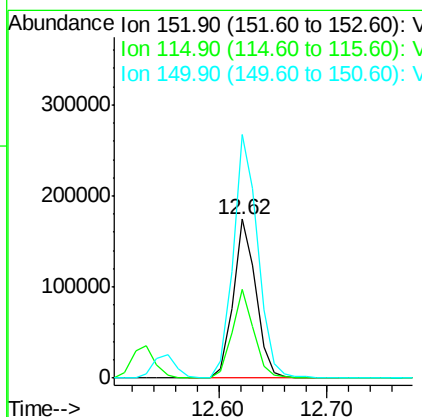
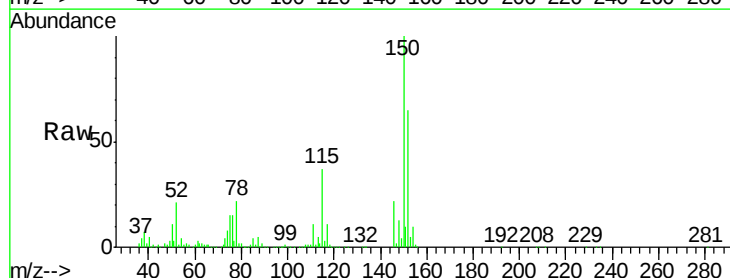
Manual Integrations
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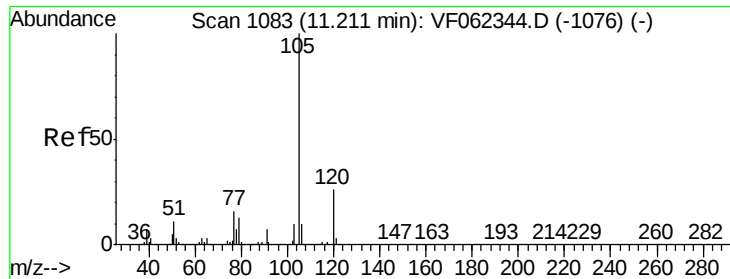
MMDadoda
5/14/2019 11:34:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	26.4	79.2
150	166.3	0.0	335.0





#73

Isopropylbenzene

Concen: 50.930 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 770178

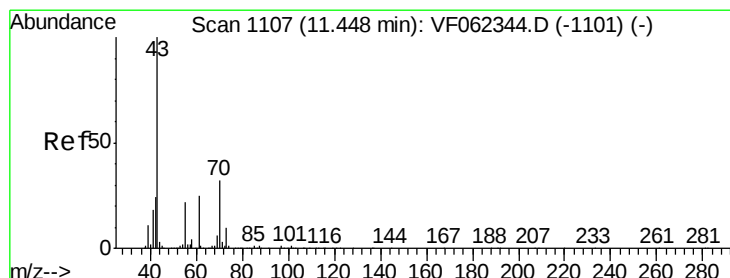
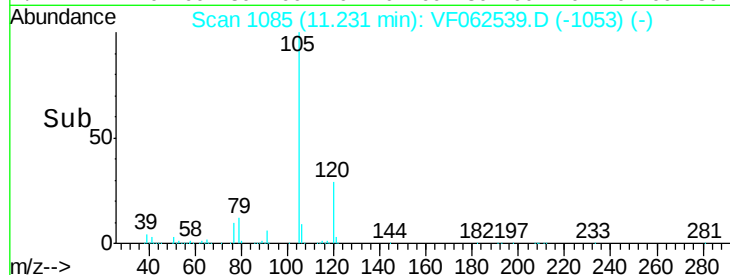
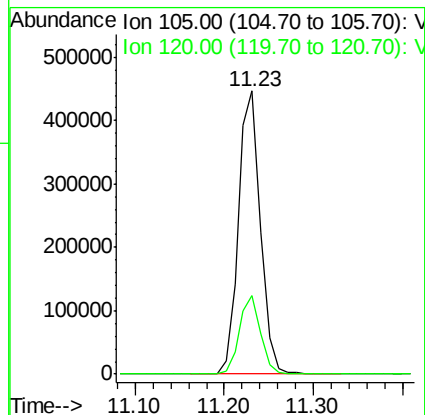
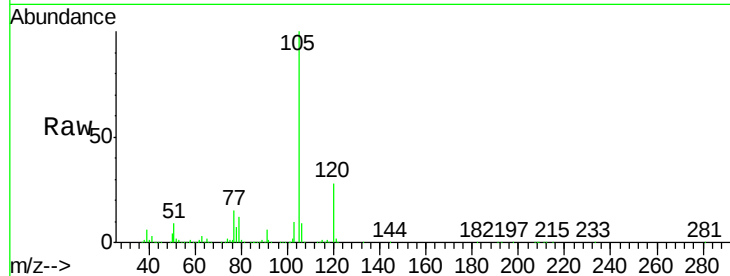
Ion Ratio Lower Upper

105 100

120 26.7 12.7 38.0

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#74

N-ethyl acetate

Concen: 42.476 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion: 43 Resp: 137898

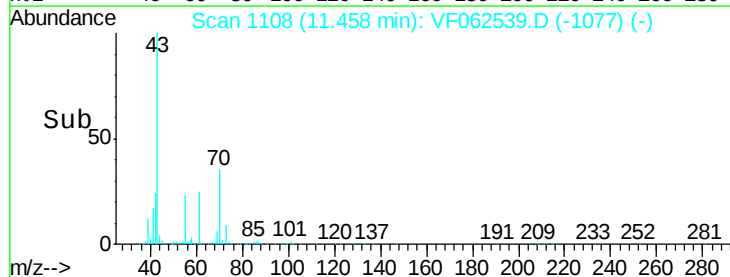
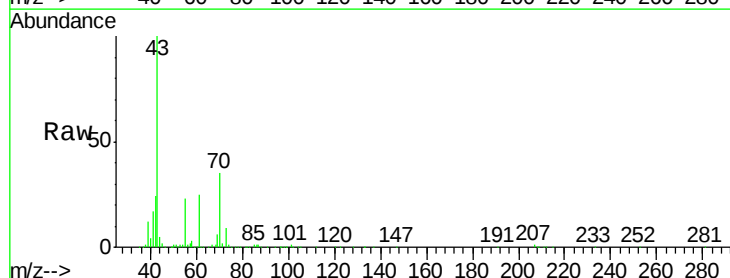
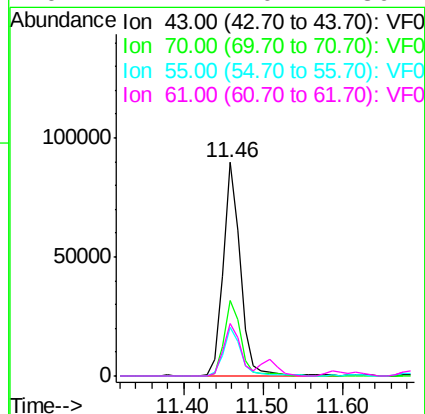
Ion Ratio Lower Upper

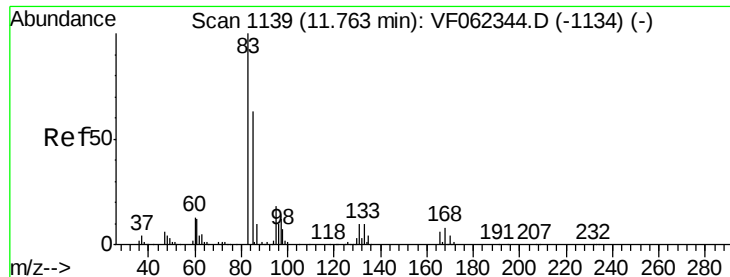
43 100

70 35.3 26.5 39.7

55 23.7 17.8 26.6

61 24.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.513 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

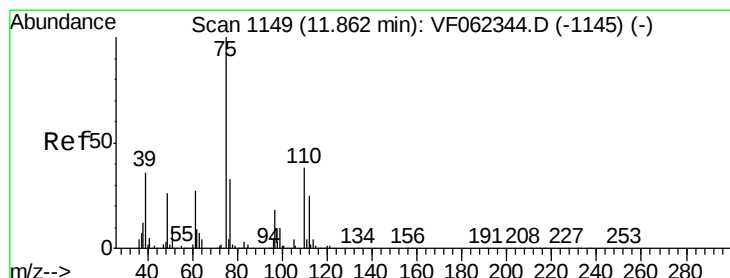
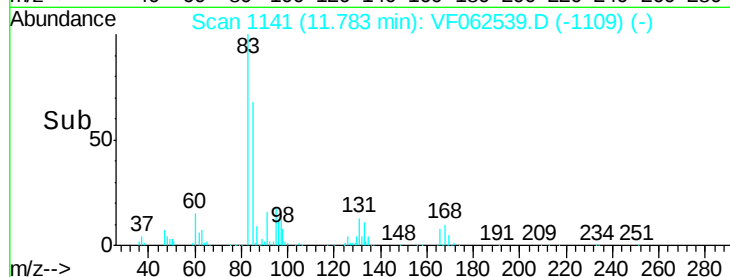
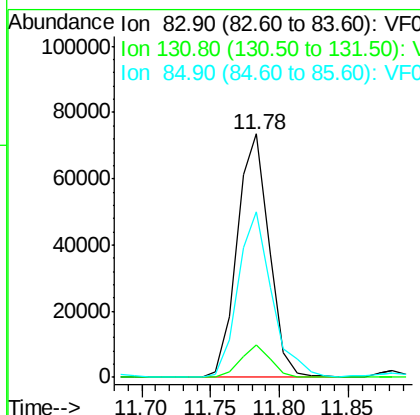
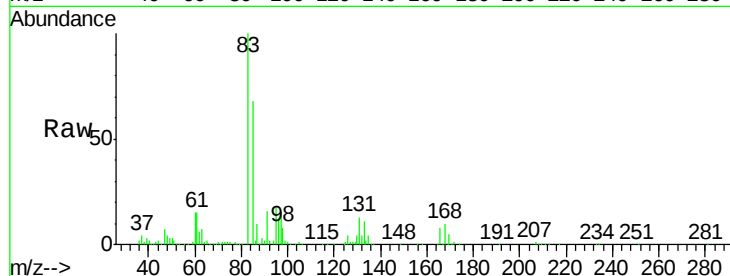
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119603
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.8	17.4
85	71.8	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.938 ug/l

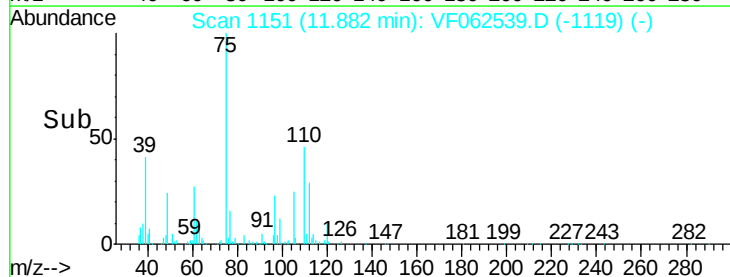
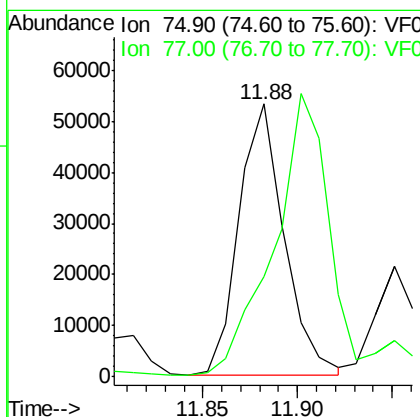
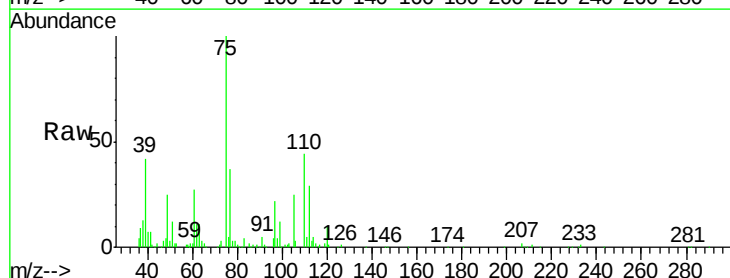
RT: 11.88 min Scan# 1151

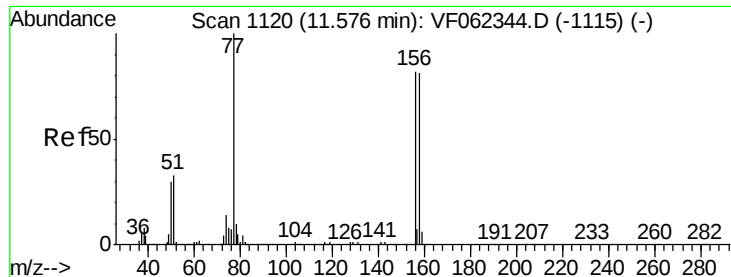
Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	75	Resp:	88404
Ion Ratio	Lower	Upper	
75	100		
77	127.0	0.0	0.0#





#77

Bromobenzene

Concen: 49.114 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

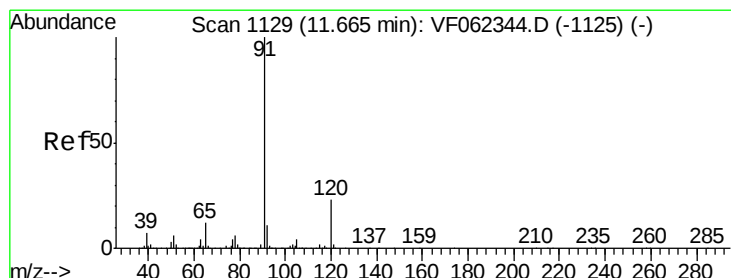
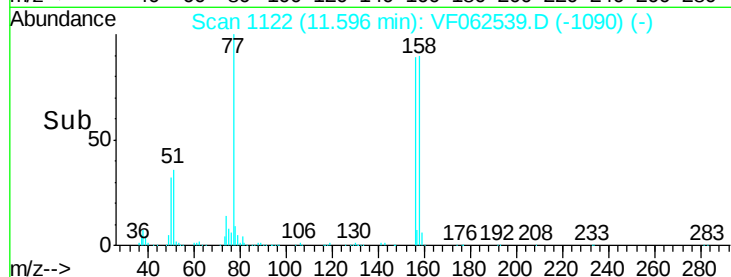
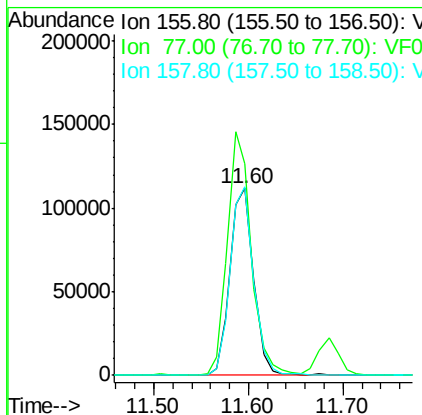
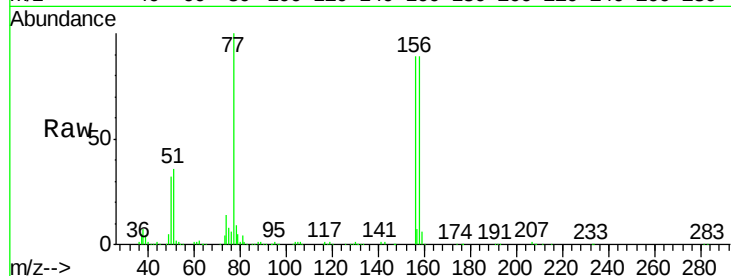
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	194921
Ion Ratio	Lower	Upper	
156	100		
77	130.0	64.8	194.3
158	100.3	49.1	147.3

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#78

n-propylbenzene

Concen: 49.775 ug/l

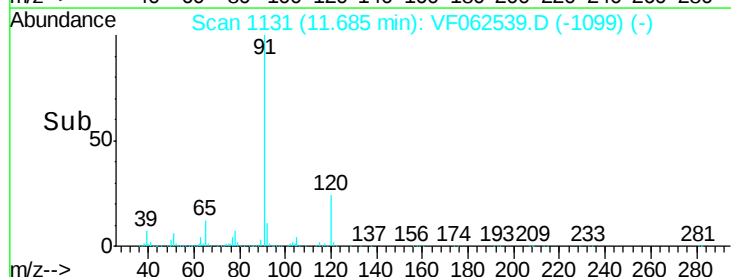
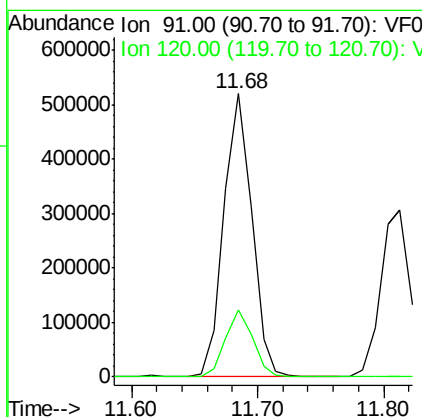
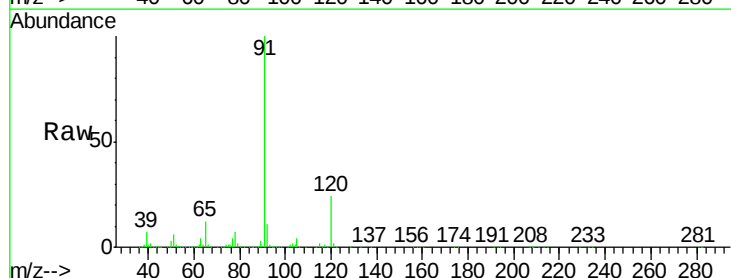
RT: 11.68 min Scan# 1131

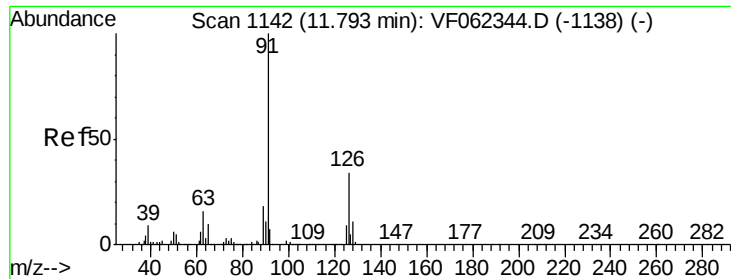
Delta R.T. 0.02 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Tgt Ion:	91	Resp:	801364
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





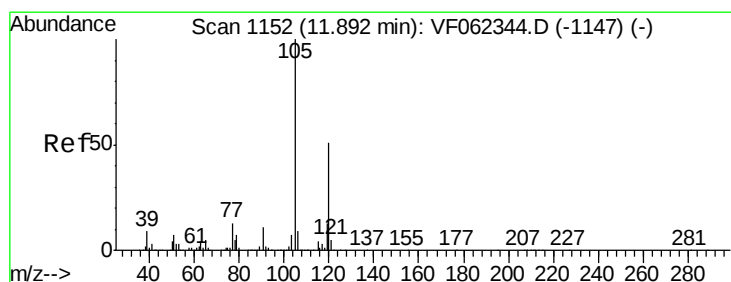
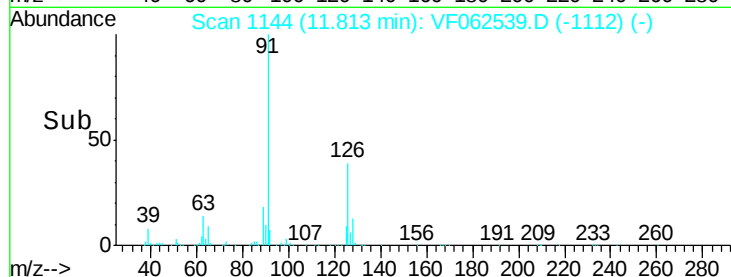
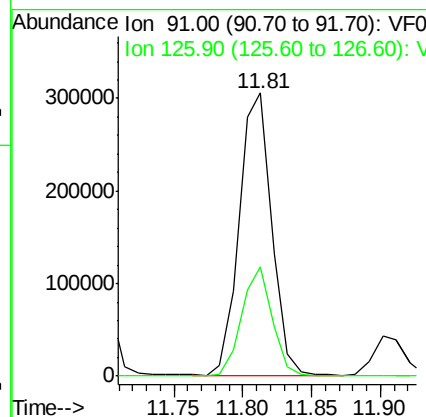
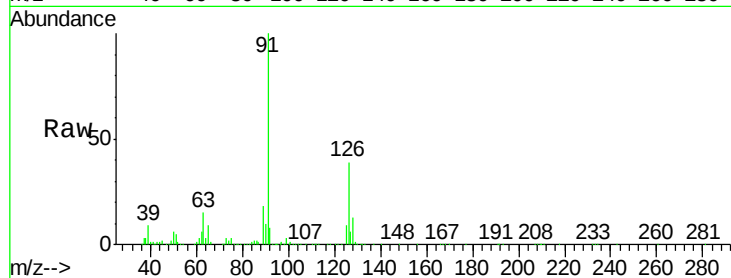
#79
 2-Chlorotoluene
 Concen: 49.958 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 500146
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.8 53.4

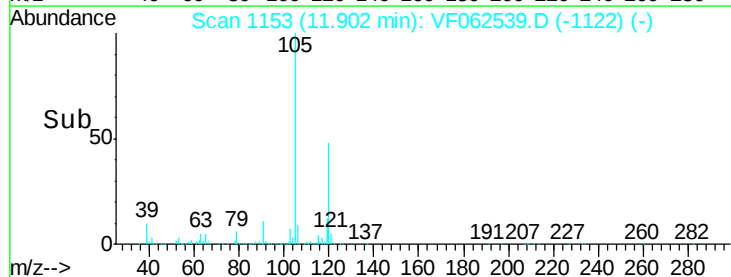
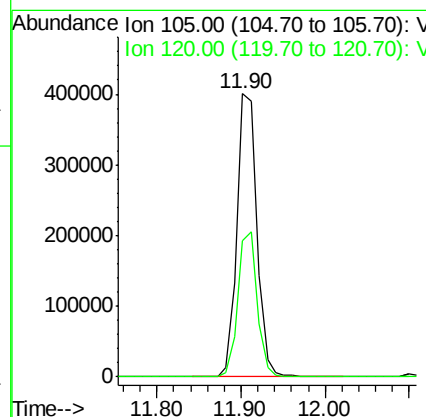
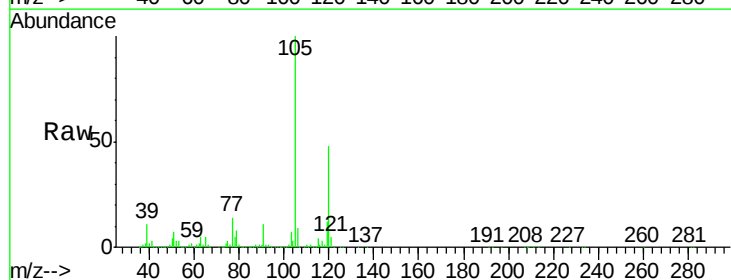
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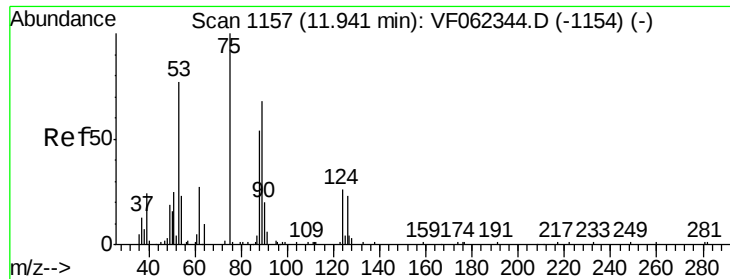
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.840 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion: 105 Resp: 660608
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.445 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062539.D

Acq: 13 May 2019 12:51

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 34253

Ion Ratio Lower Upper

75 100

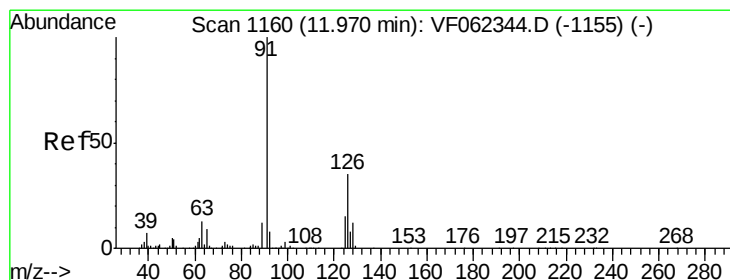
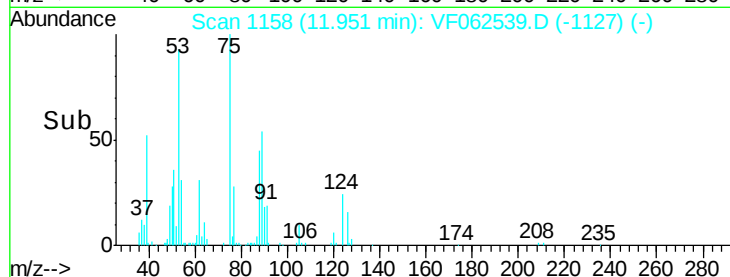
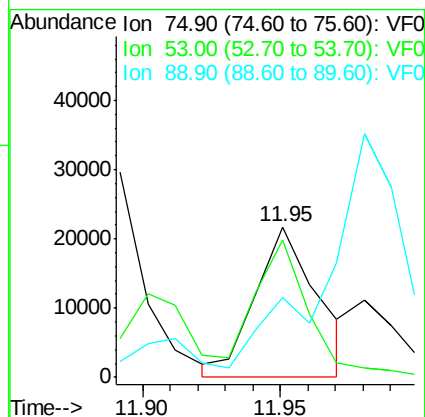
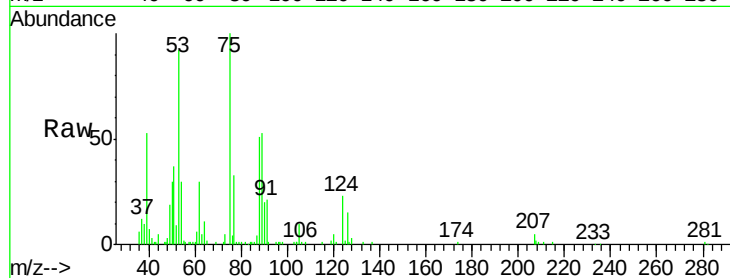
53 80.2 71.9 107.9

89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.285 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062539.D

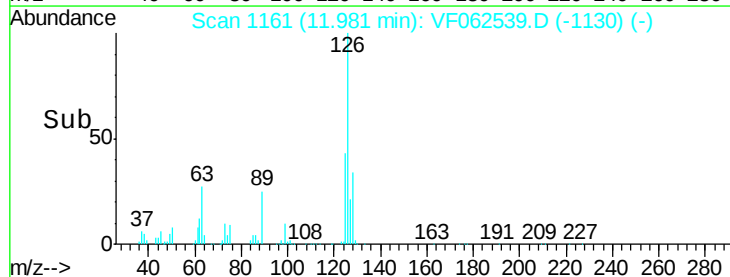
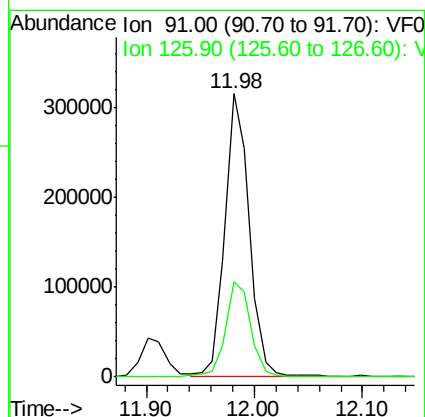
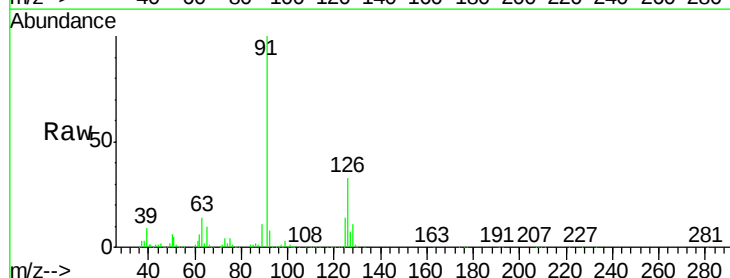
Acq: 13 May 2019 12:51

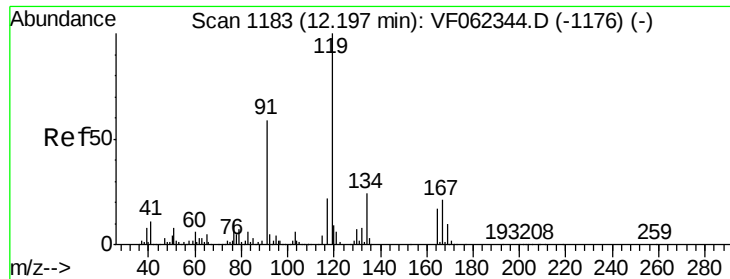
Tgt Ion: 91 Resp: 487316

Ion Ratio Lower Upper

91 100

126 35.8 17.7 53.1





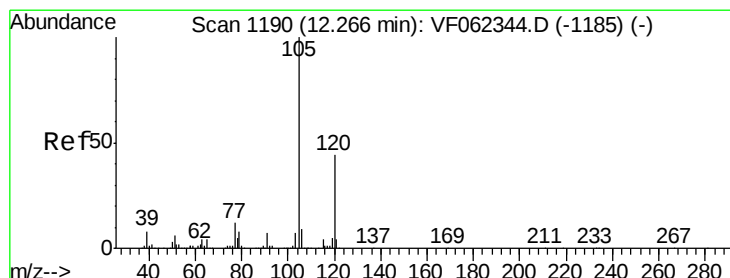
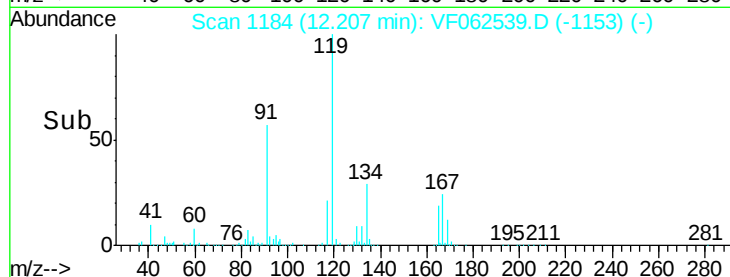
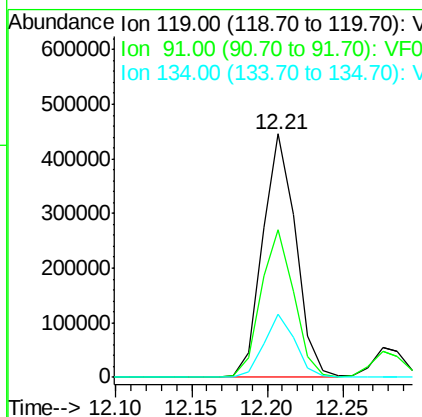
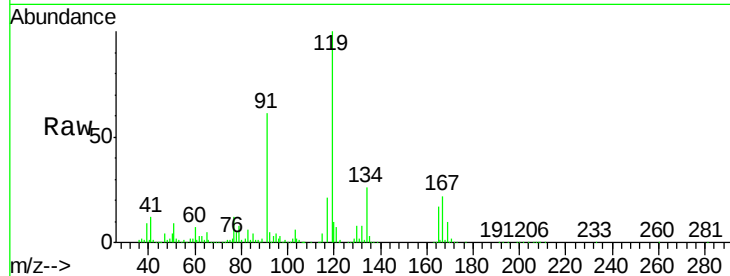
#83
tert-Butylbenzene
Concen: 49.253 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	686084		
91	60.1	30.4	91.3	
134	24.5	11.9	35.7	

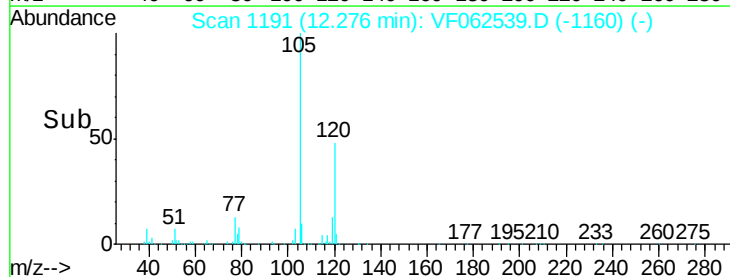
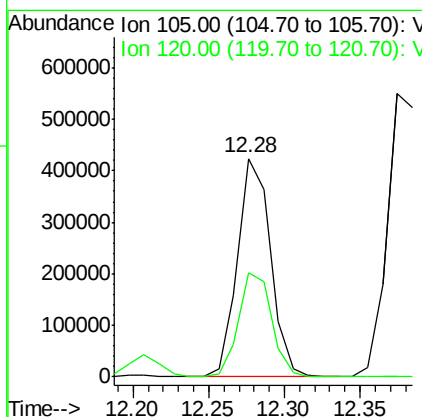
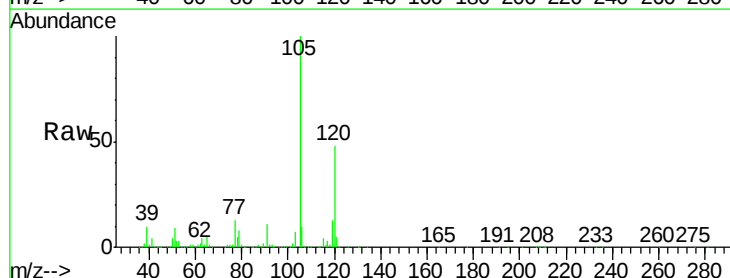
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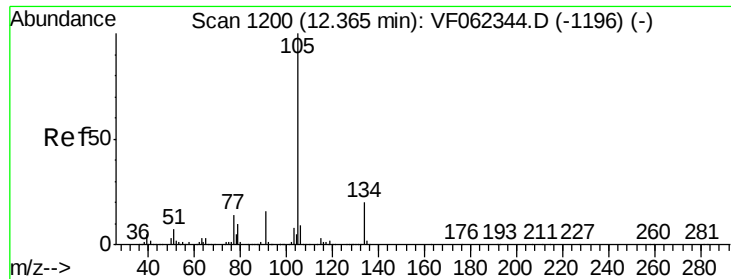
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#84
1,2,4-Trimethylbenzene
Concen: 49.579 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	643088		
120	48.2	22.6	67.7	





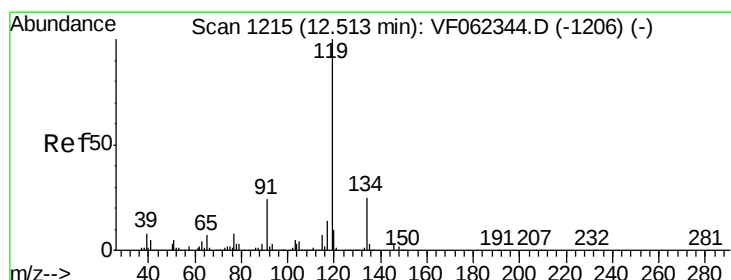
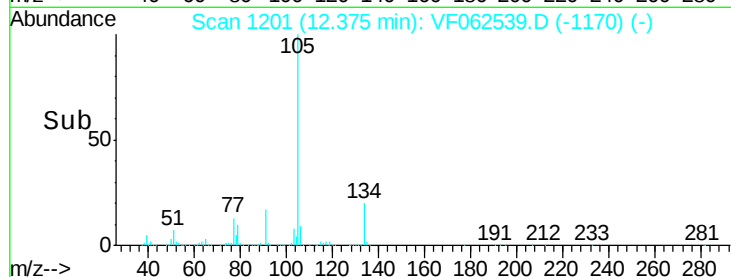
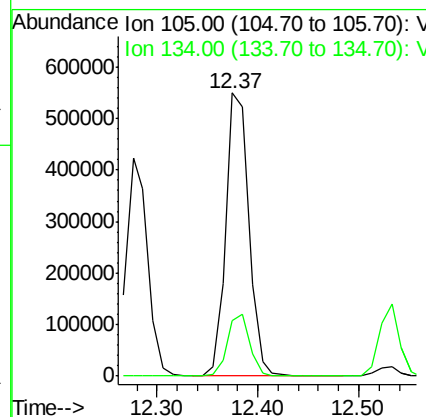
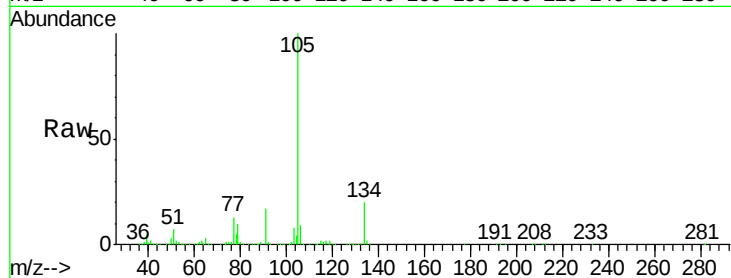
#85
 sec-Butylbenzene
 Concen: 51.808 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	878411		
134	21.1	9.8	29.5	

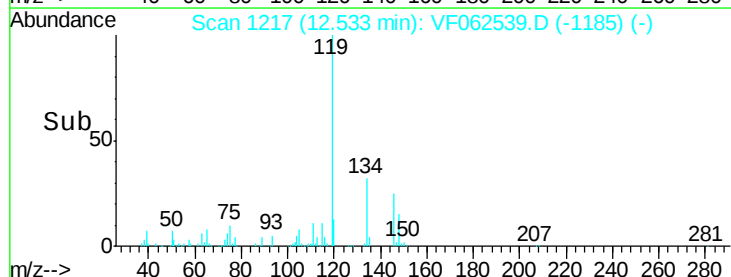
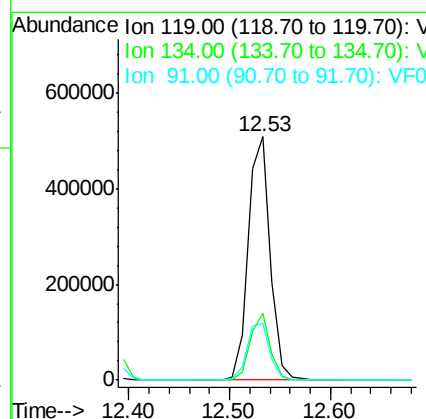
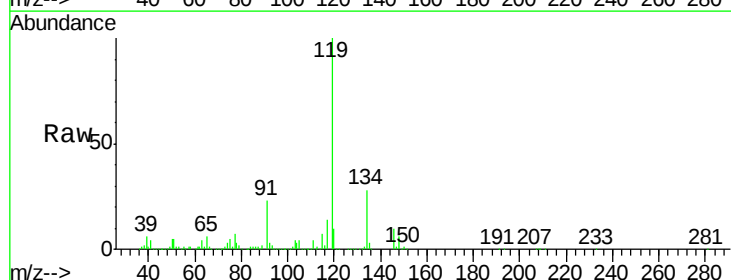
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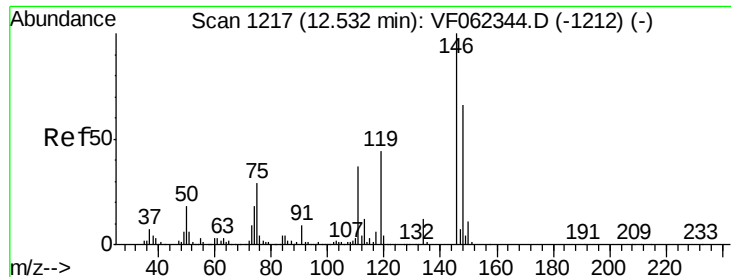
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#86
 p-Isopropyltoluene
 Concen: 48.688 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	766978		
134	25.2	12.9	38.7	
91	24.2	12.3	36.8	





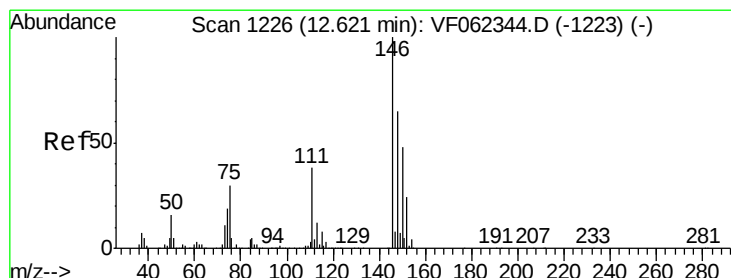
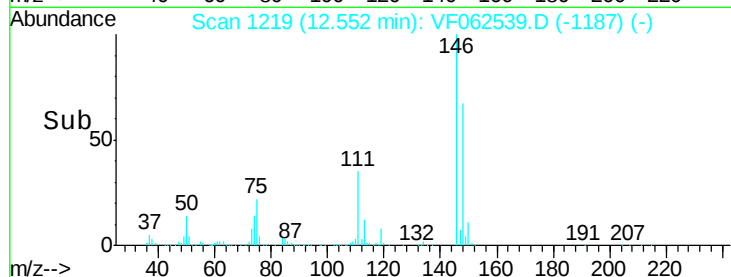
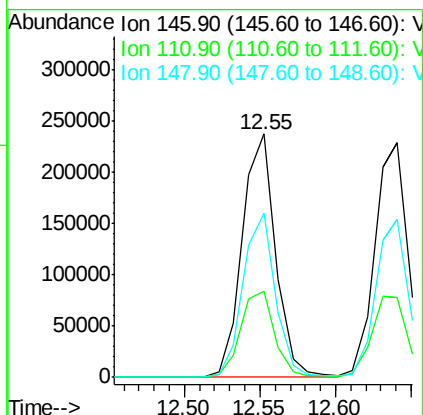
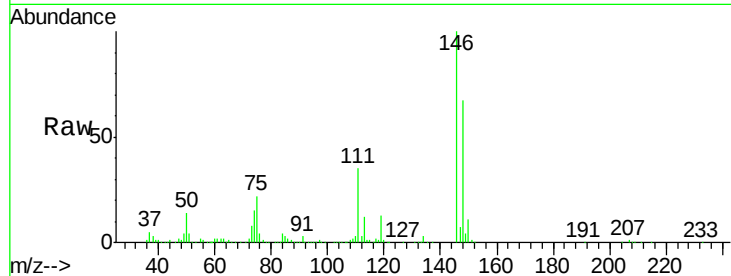
#87
 1,3-Dichlorobenzene
 Concen: 50.252 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.8
148	65.5	32.3	96.9

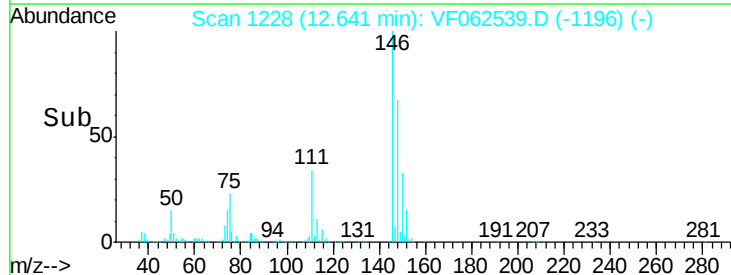
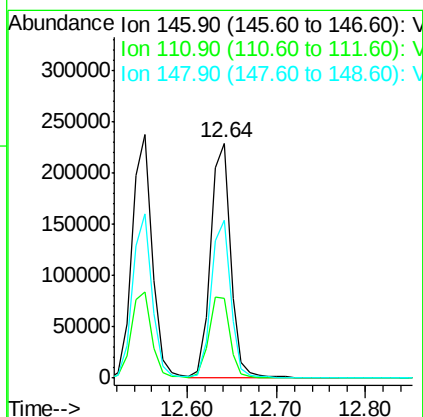
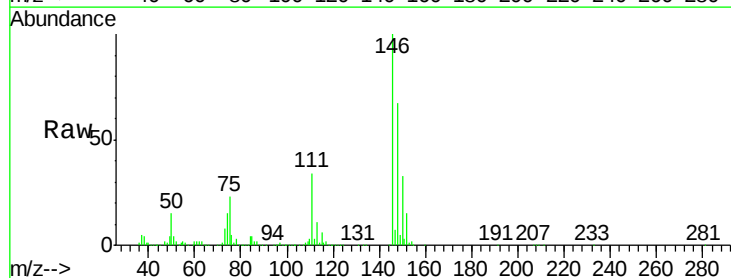
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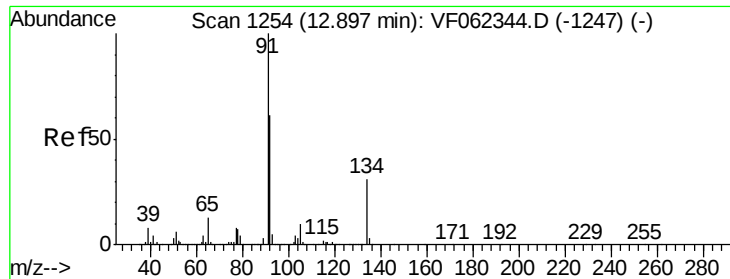
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#88
 1,4-Dichlorobenzene
 Concen: 51.278 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.3
148	65.9	32.2	96.6





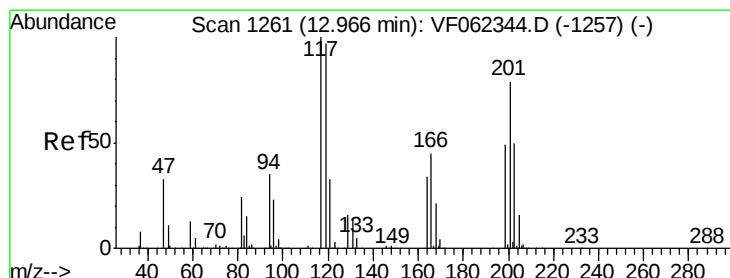
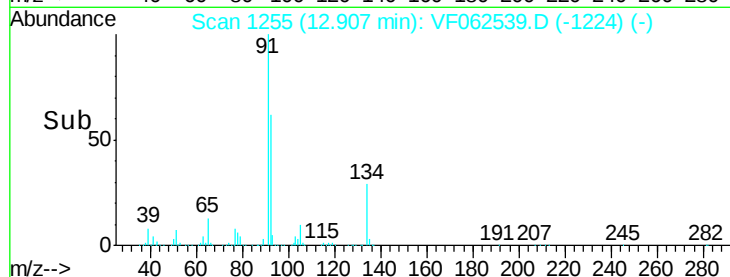
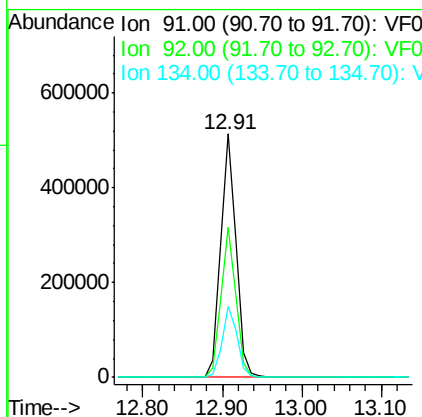
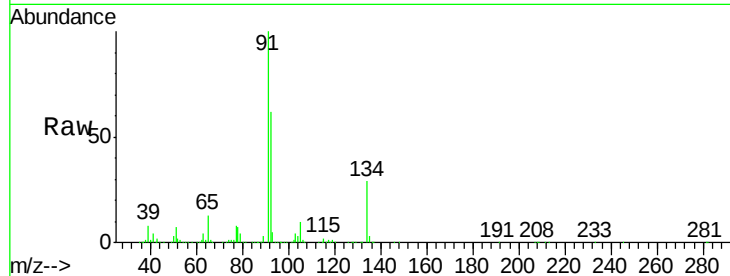
#89
n-Butylbenzene
Concen: 50.234 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	30.0	90.0
134	28.5	14.1	42.4

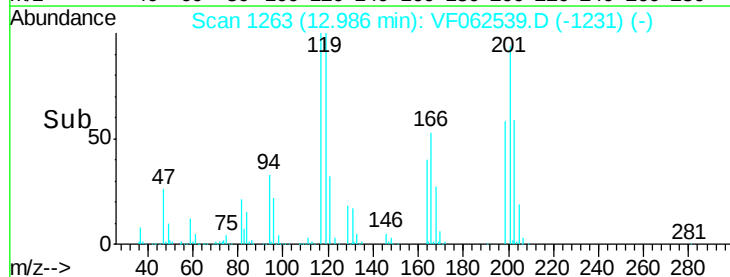
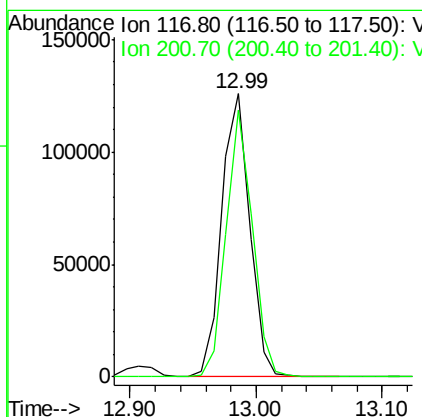
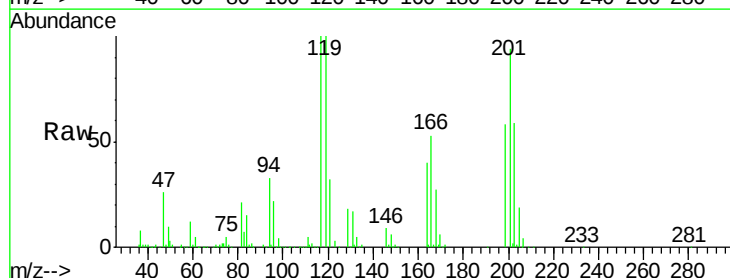
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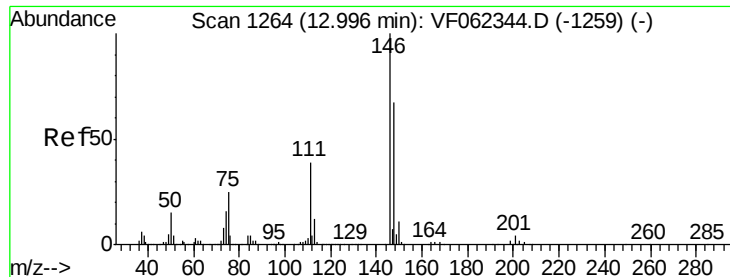
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#90
Hexachloroethane
Concen: 49.166 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.2	46.2	138.5





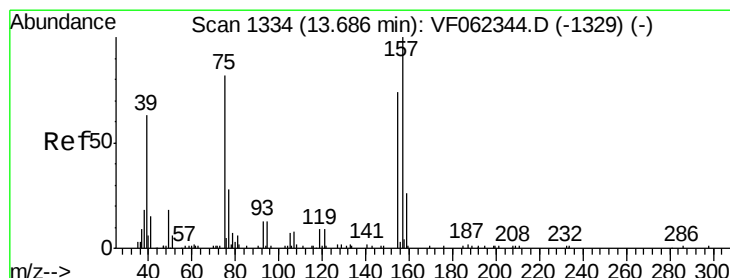
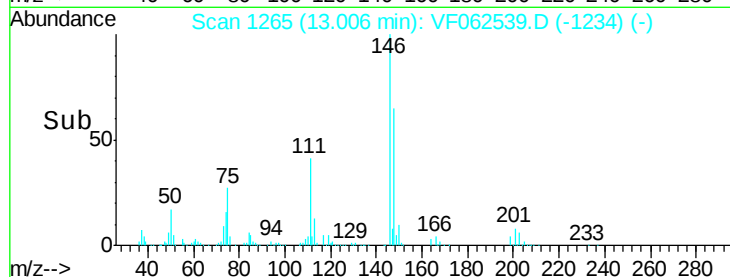
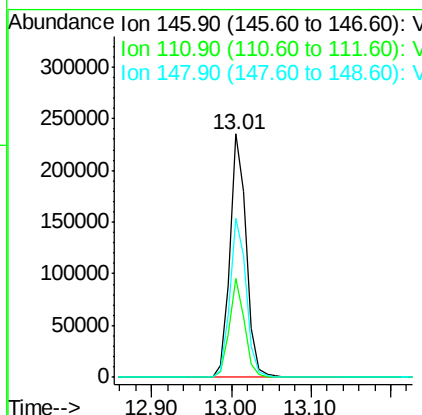
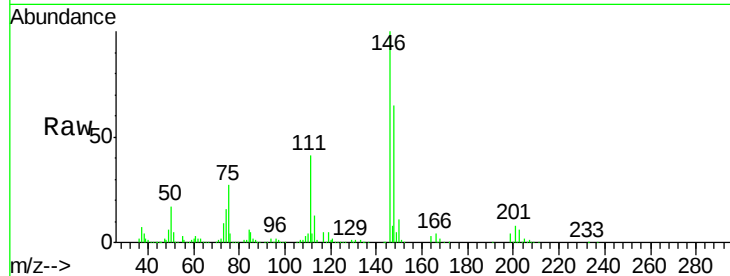
#91
 1,2-Dichlorobenzene
 Concen: 48.627 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	341155		
111	38.3	20.0	60.0	
148	65.7	33.1	99.5	

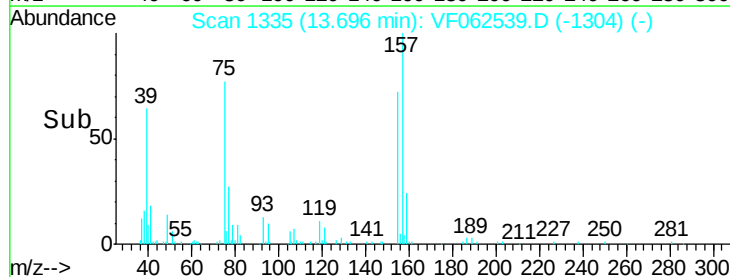
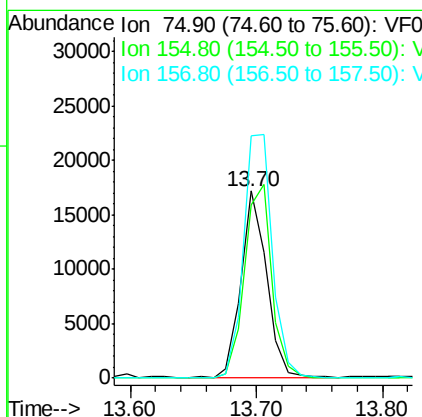
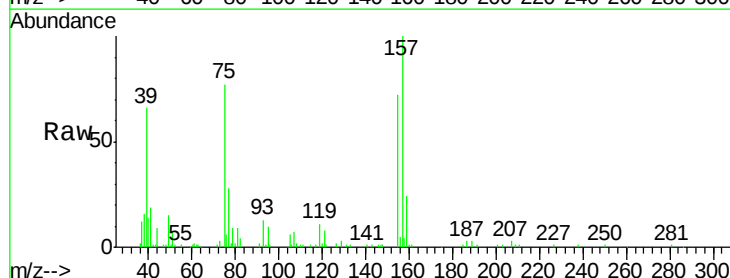
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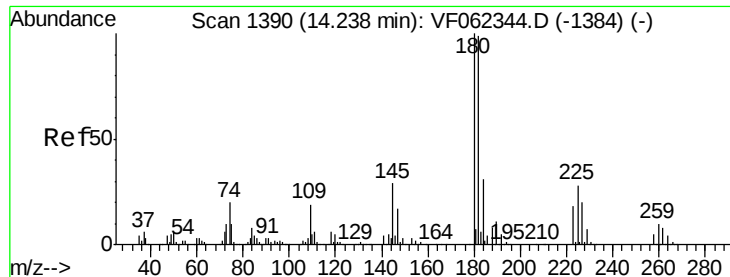
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.055 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24430		
155	108.8	51.8	155.4	
157	144.9	67.3	201.8	





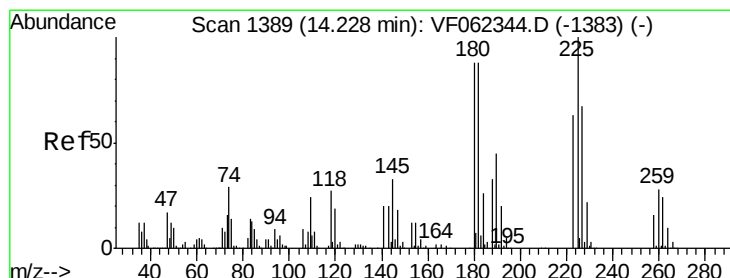
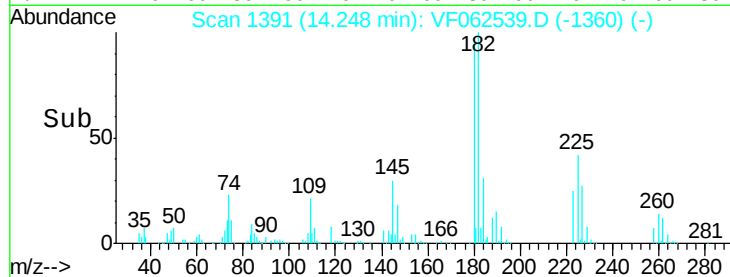
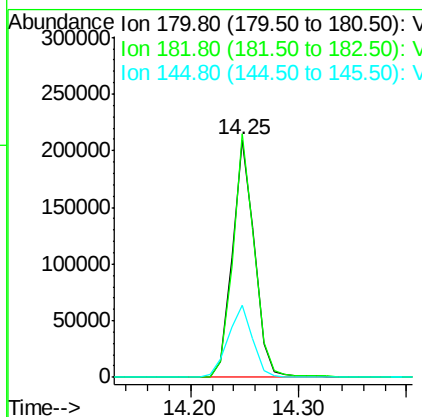
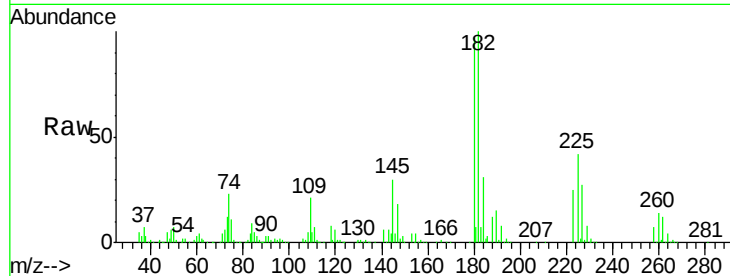
#93
 1,2,4-Trichlorobenzene
 Concen: 47.595 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299505		
182	99.4	49.0	147.0	
145	34.0	16.7	50.1	

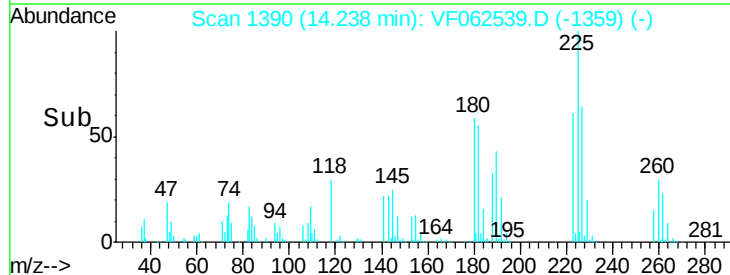
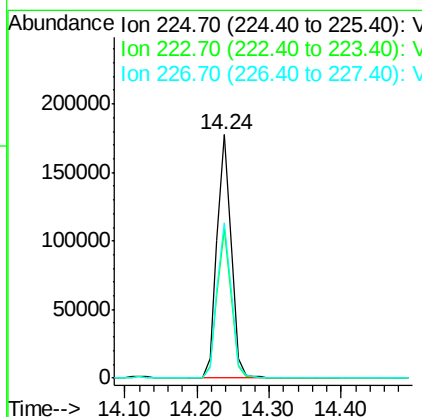
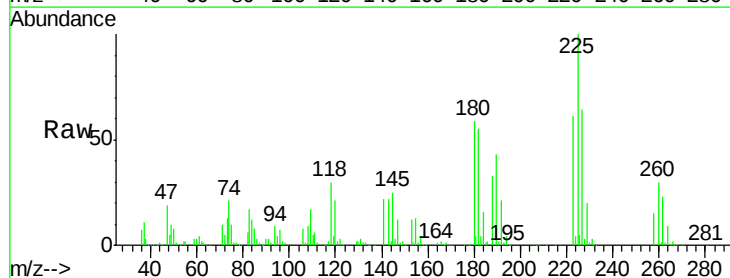
Manual Integrations
 APPROVED

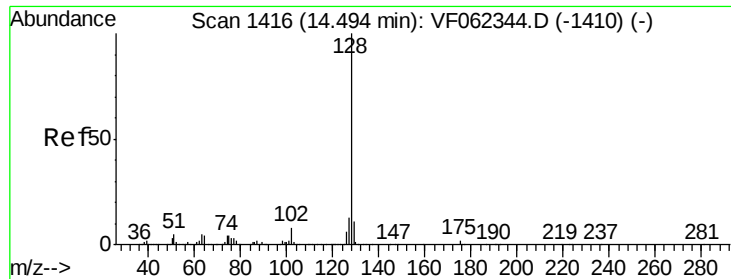
MMDadoda
 5/14/2019 11:34:55 AM



#94
 Hexachlorobutadiene
 Concen: 50.925 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062539.D
 Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	238849		
223	60.9	31.9	95.5	
227	64.1	33.1	99.5	





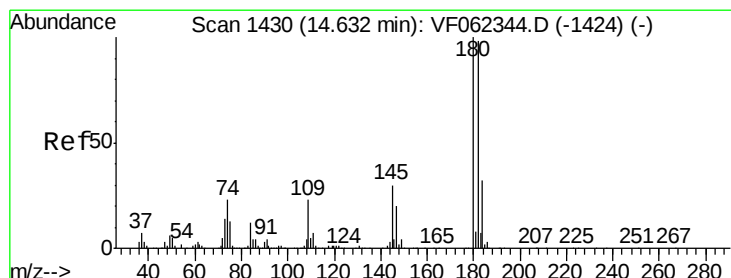
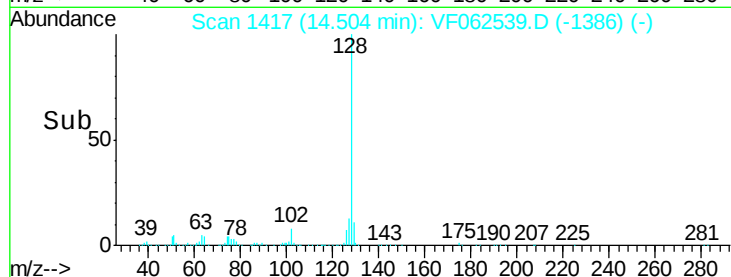
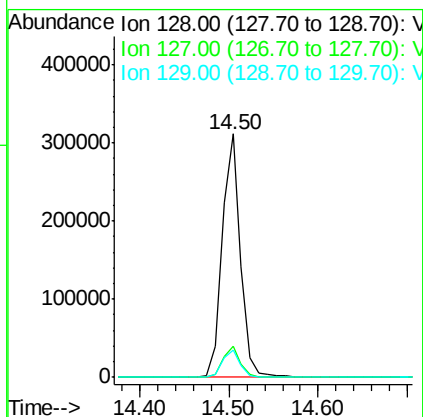
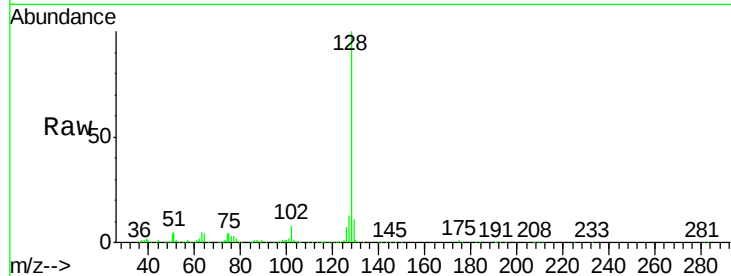
#95
Naphthalene
Concen: 47.519 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	449565		
127	12.3	10.5	15.7	
129	11.2	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
5/14/2019 11:34:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.241 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062539.D
Acq: 13 May 2019 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	306295		
182	96.0	49.4	148.0	
145	29.0	14.8	44.3	

