

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062091.D
 Acq On : 22 Mar 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:21 AM

Quant Time: Mar 23 05:43:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	239041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	386645	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	339870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170757	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	92324	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
35) Dibromofluoromethane	4.14	113	132153	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	7.59	98	413369	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.43	95	156136	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	167473	54.689	ug/l	97
3) Chloromethane	1.11	50	175280	54.702	ug/l	100
4) Vinyl Chloride	1.15	62	165733	55.918	ug/l	99
5) Bromomethane	1.34	94	120798	56.698	ug/l	92
6) Chloroethane	1.40	64	86359	57.881	ug/l	98
7) Trichlorofluoromethane	1.50	101	211148	58.987	ug/l	96
8) Diethyl Ether	1.65	74	45309	55.412	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.85	101	141948	58.127	ug/l	100
10) Methyl Iodide	1.93	142	266334m	57.392	ug/l	
11) Tert butyl alcohol	2.60	59	26555	271.442	ug/l	97
12) 1,1-Dichloroethene	1.81	96	129419	56.167	ug/l	97
13) Acrolein	2.02	56	29162	247.892	ug/l	84
14) Allyl chloride	2.11	41	154941	62.983	ug/l	98
15) Acrylonitrile	2.97	53	96615	280.846	ug/l	92
16) Acetone	2.25	43	99972	267.155	ug/l	96
17) Carbon Disulfide	1.85	76	404982	57.638	ug/l #	94
18) Methyl Acetate	2.37	43	42771	47.915	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	216734	59.514	ug/l	96
20) Methylene Chloride	2.20	84	128415m	57.560	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	134056	60.468	ug/l	93
22) Diisopropyl ether	2.82	45	379742	58.876	ug/l	97
23) Vinyl Acetate	3.22	43	789682	299.035	ug/l	99
24) 1,1-Dichloroethane	2.89	63	227597	58.843	ug/l	99
25) 2-Butanone	4.37	43	219899	281.485	ug/l	96
26) 2,2-Dichloropropane	3.62	77	89519	57.082	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	165983	56.499	ug/l	97
28) Bromochloromethane	3.75	49	89151	56.413	ug/l	98
29) Tetrahydrofuran	4.11	42	94573	278.435	ug/l	100
30) Chloroform	3.89	83	237753	58.164	ug/l	97
31) Cyclohexane	3.72	56	225434	55.805	ug/l	93
32) 1,1,1-Trichloroethane	4.12	97	166405	66.922	ug/l	94
36) 1,1-Dichloropropene	4.31	75	197475	53.621	ug/l	98
37) Ethyl Acetate	4.14	43	88867	55.215	ug/l	97
38) Carbon Tetrachloride	4.03	117	146811	58.489	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	237920	55.663	ug/l	96
40) Benzene	4.67	78	527617	53.441	ug/l	100
41) Methacrylonitrile	4.78	41	45780	53.758	ug/l	91
42) 1,2-Dichloroethane	4.97	62	126852	54.334	ug/l	96
43) Isopropyl Acetate	6.98	43	103632	53.167	ug/l #	98
44) Trichloroethene	5.53	130	158673	52.568	ug/l	96
45) 1,2-Dichloropropane	6.26	63	131369	55.788	ug/l	98
46) Dibromomethane	6.12	93	80509	55.918	ug/l	86
47) Bromodichloromethane	6.41	83	177748	55.736	ug/l	96
48) Methyl methacrylate	6.75	41	65370	58.902	ug/l	97
49) 1,4-Dioxane	6.74	88	10784	1107.397	ug/l	93
51) 4-Methyl-2-Pentanone	8.29	43	360359	276.222	ug/l	97
52) Toluene	7.65	92	317843	55.582	ug/l	99
53) t-1,3-Dichloropropene	8.31	75	140851	56.261	ug/l	95
54) cis-1,3-Dichloropropene	7.33	75	203964	56.940	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	89742	55.250	ug/l	96
56) Ethyl methacrylate	8.65	69	109487	56.520	ug/l	94
57) 1,3-Dichloropropane	8.88	76	150244	55.732	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	79902	271.824	ug/l	99
59) 2-Hexanone	9.52	43	250313	261.792	ug/l	98
60) Dibromochloromethane	8.74	129	128529	56.920	ug/l	98
61) 1,2-Dibromoethane	9.02	107	102437	59.112	ug/l	100
64) Tetrachloroethene	8.19	164	136444	51.963	ug/l	92
65) Chlorobenzene	9.82	112	350325	55.089	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	136375	53.388	ug/l	98
67) Ethyl Benzene	9.93	91	603241	54.546	ug/l	98
68) m/p-Xylenes	10.16	106	450757	109.050	ug/l	99
69) o-Xylene	10.74	106	237879	54.947	ug/l	95
70) Styrene	10.81	104	368933	56.245	ug/l	98
71) Bromoform	10.80	173	71124	54.437	ug/l #	95
73) Isopropylbenzene	11.15	105	681232	56.696	ug/l	98
74) N-amyl acetate	11.39	43	161499	56.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	114421	55.461	ug/l	96
76) 1,2,3-Trichloropropane	11.82	75	79655	54.862	ug/l	96
77) Bromobenzene	11.52	156	160834	54.788	ug/l	98
78) n-propylbenzene	11.62	91	774440	55.506	ug/l	96
79) 2-Chlorotoluene	11.74	91	435892	56.208	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	545535	55.198	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	31605m	53.421	ug/l	
82) 4-Chlorotoluene	11.91	91	442113	55.602	ug/l	100
83) tert-Butylbenzene	12.15	119	569670	55.062	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	553561	57.134	ug/l	97
85) sec-Butylbenzene	12.33	105	754383	56.364	ug/l	97
86) p-Isopropyltoluene	12.48	119	657108	56.668	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	305741	56.058	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	293367	55.124	ug/l	98
89) n-Butylbenzene	12.86	91	601934	54.410	ug/l	99
90) Hexachloroethane	12.94	117	147475	53.412	ug/l	77
91) 1,2-Dichlorobenzene	12.96	146	274368	53.575	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18128	57.991	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	196970	55.186	ug/l	98
94) Hexachlorobutadiene	14.20	225	131453	55.391	ug/l	97
95) Naphthalene	14.48	128	359467	57.471	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	189391	56.687	ug/l	96

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

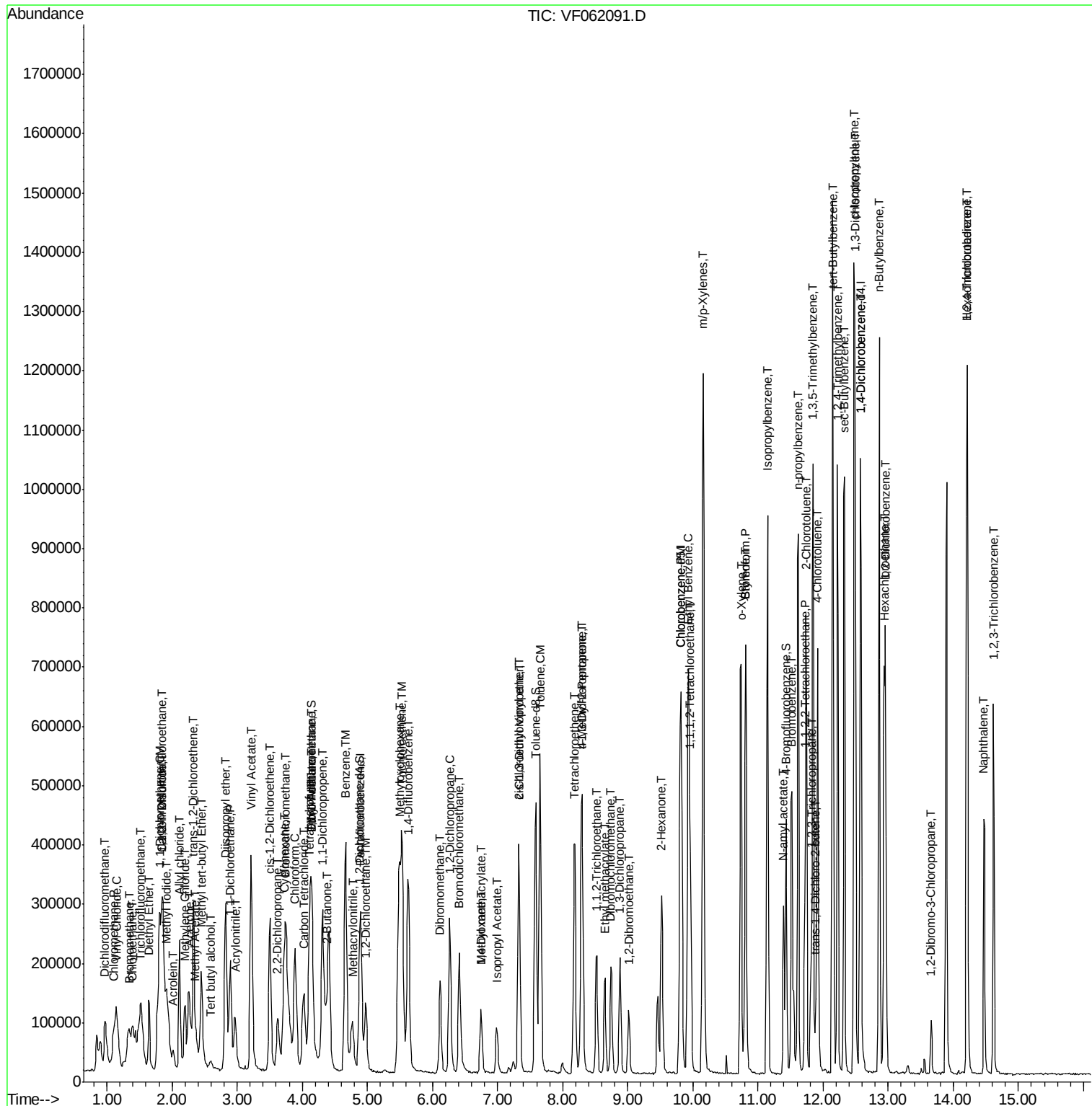
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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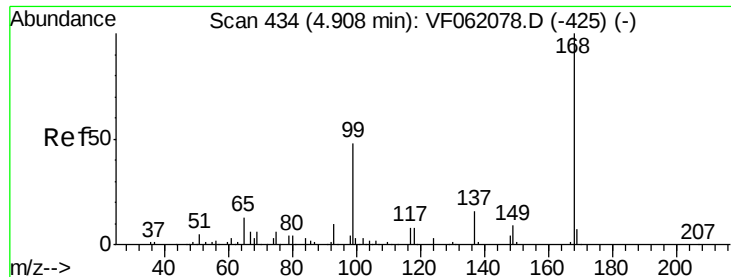
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 239041

Ion Ratio Lower Upper

168 100

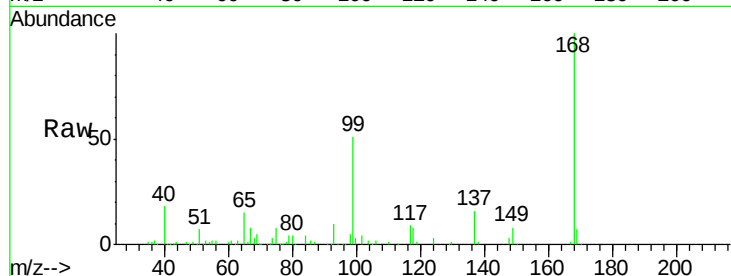
99 51.1 38.2 57.4

Manual Integrations

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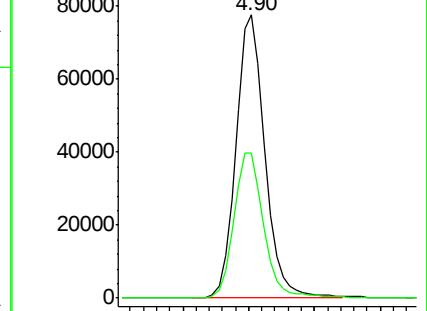
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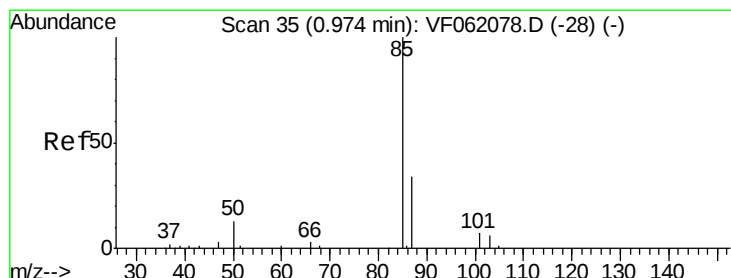
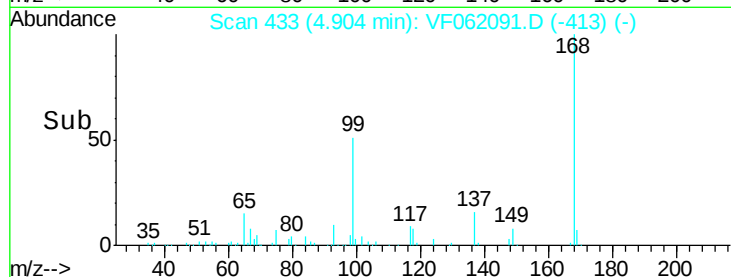


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



Time-->



#2

Dichlorodifluoromethane

Concen: 54.689 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.00 min

Lab File: VF062091.D

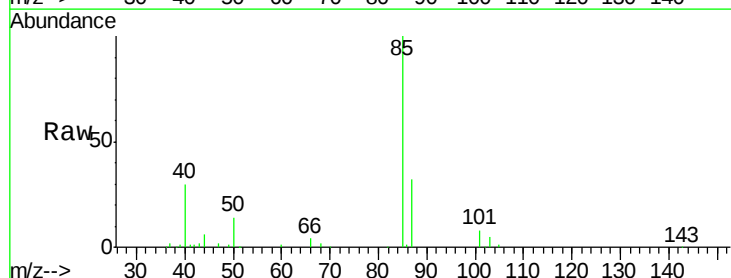
Acq: 22 Mar 2019 19:46

Tgt Ion: 85 Resp: 167473

Ion Ratio Lower Upper

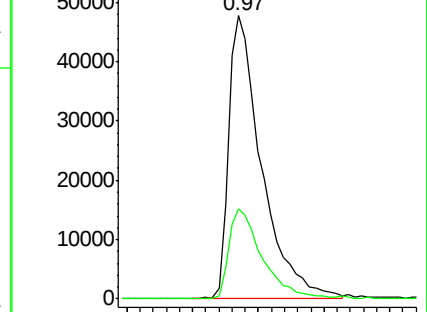
85 100

87 32.0 17.0 51.0

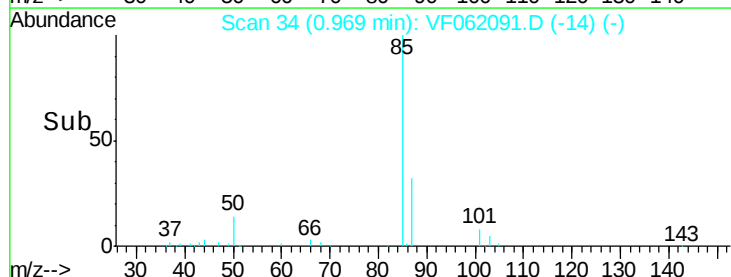


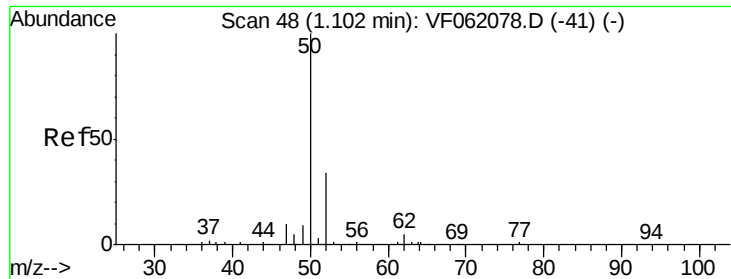
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->





#3

Chloromethane

Concen: 54.702 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 175280

Ion Ratio Lower Upper

50 100

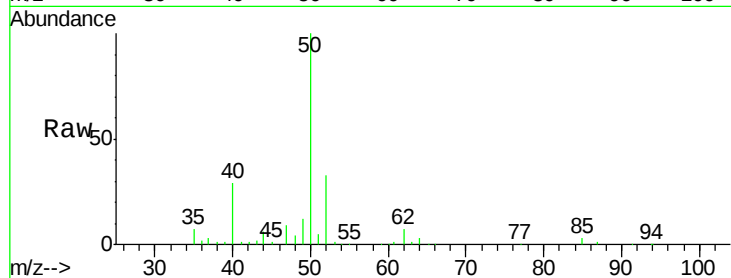
52 32.7 26.1 39.1

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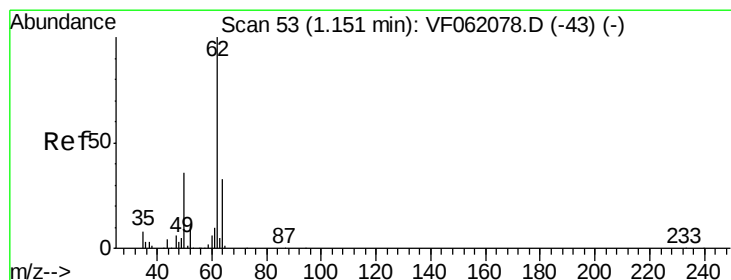
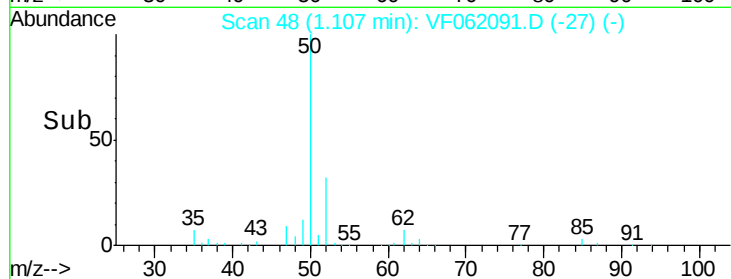
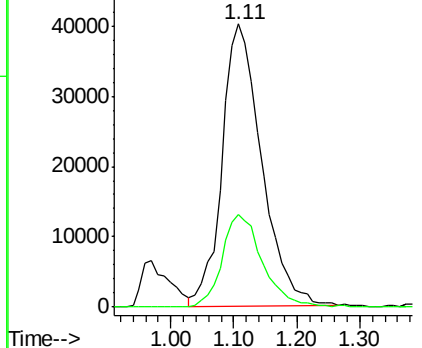
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 55.918 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.00 min

Lab File: VF062091.D

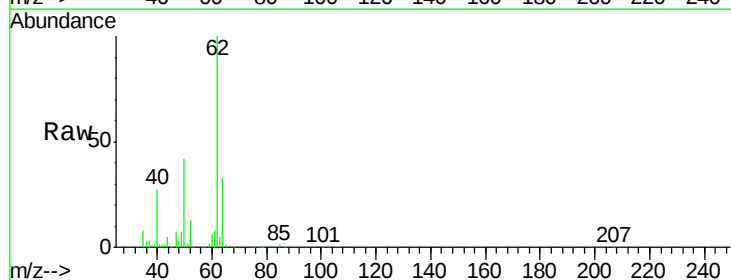
Acq: 22 Mar 2019 19:46

Tgt Ion: 62 Resp: 165733

Ion Ratio Lower Upper

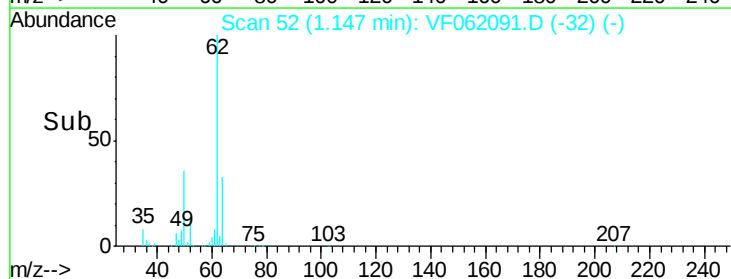
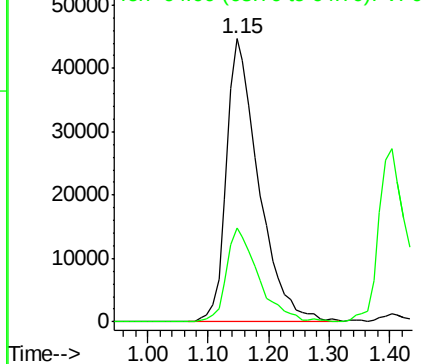
62 100

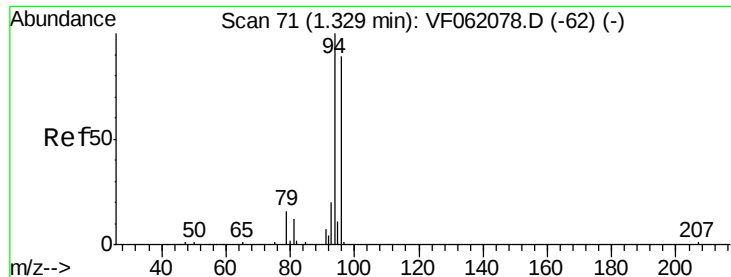
64 33.0 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 56.698 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

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Tot Ion: 94 Resp: 120798

Ion Ratio Lower Upper

94 100

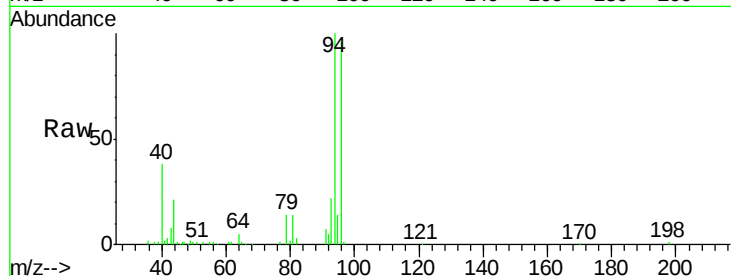
96 95.8 70.9 106.3

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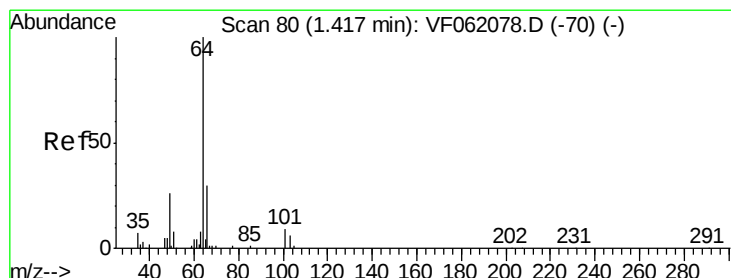
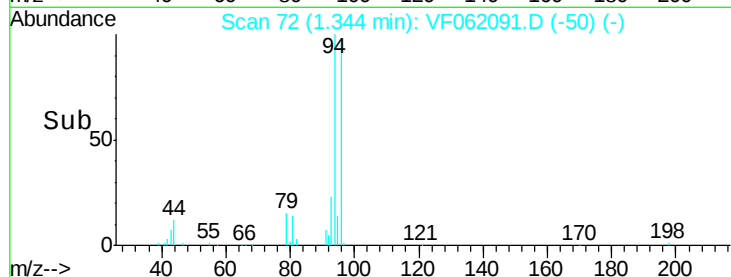
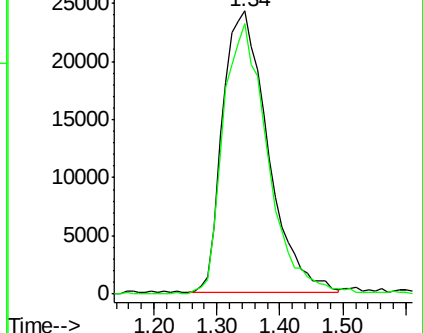
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 57.881 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.01 min

Lab File: VF062091.D

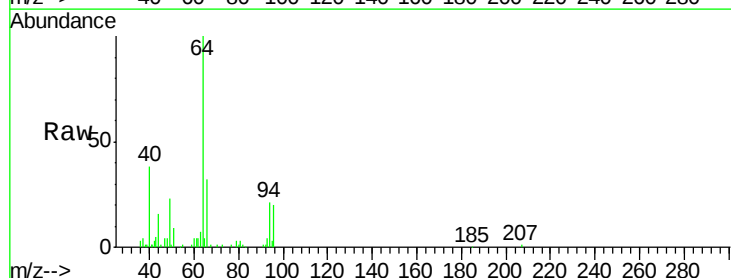
Acq: 22 Mar 2019 19:46

Tgt Ion: 64 Resp: 86359

Ion Ratio Lower Upper

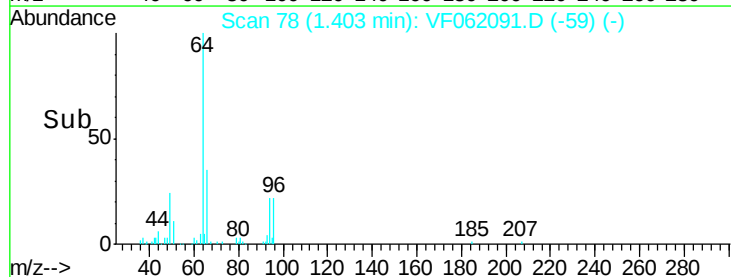
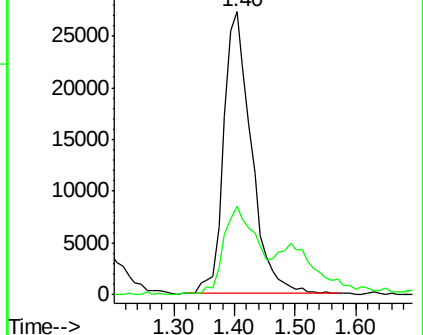
64 100

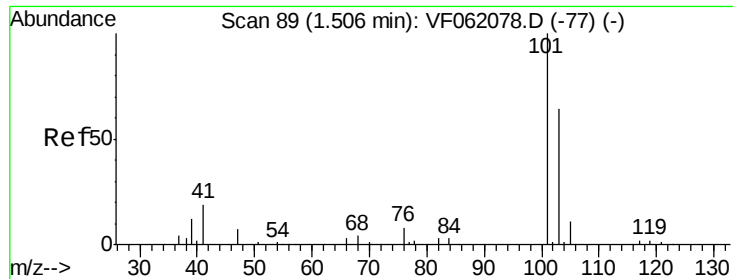
66 31.6 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

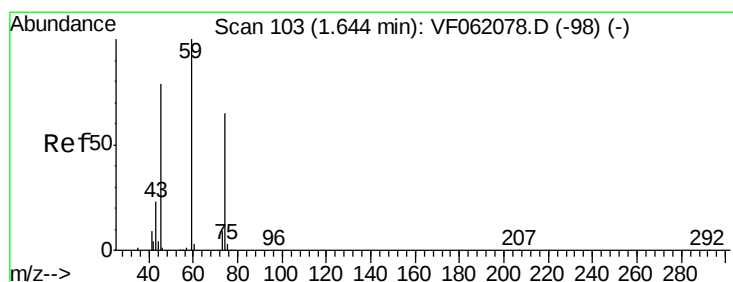
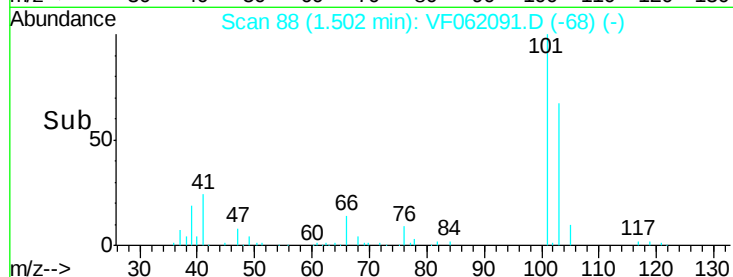
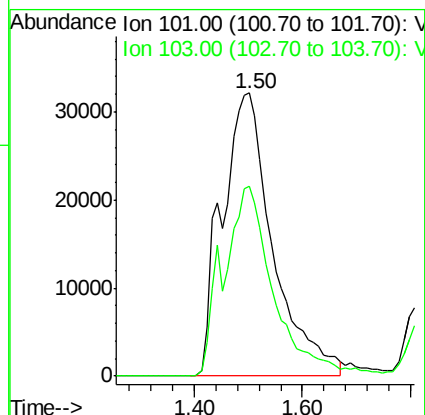
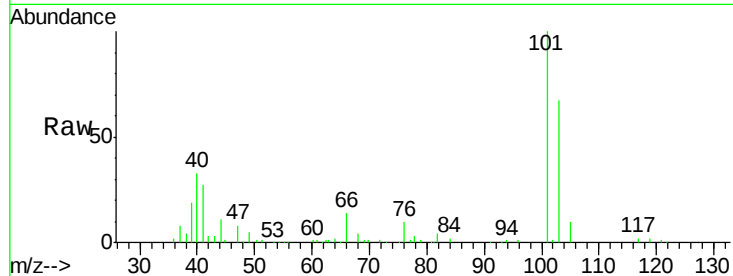
Trichlorofluoromethane
Concen: 58.987 ug/l
RT: 1.50 min Scan# 88
Delta R.T. -0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.5	77.3

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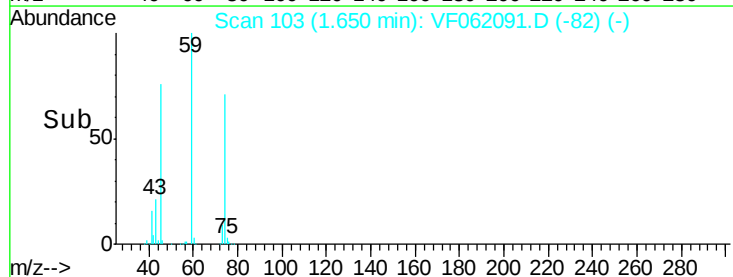
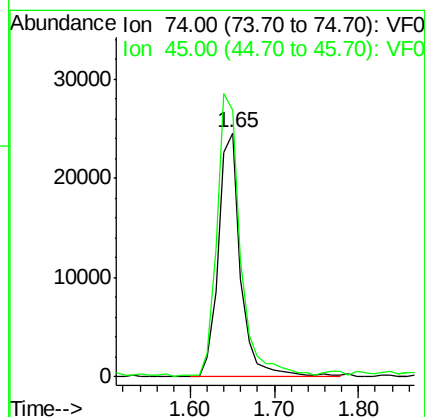
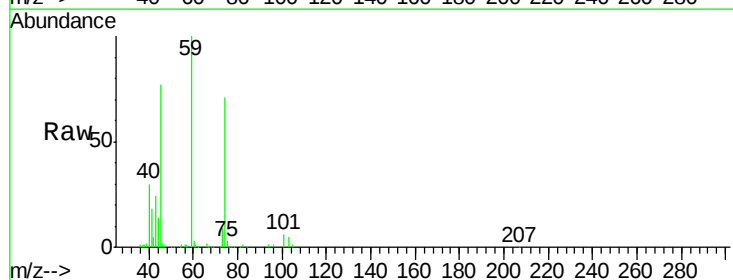
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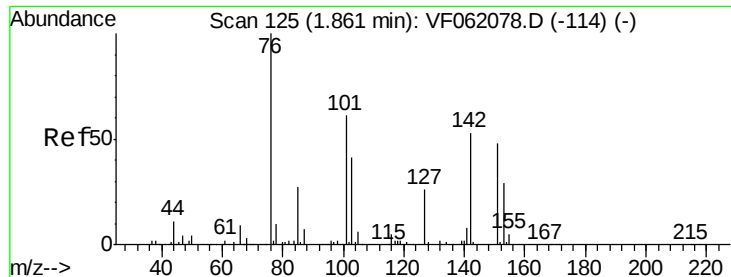


#8

Diethyl Ether
Concen: 55.412 ug/l
RT: 1.65 min Scan# 103
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	61.4	184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.127 ug/l

RT: 1.85 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

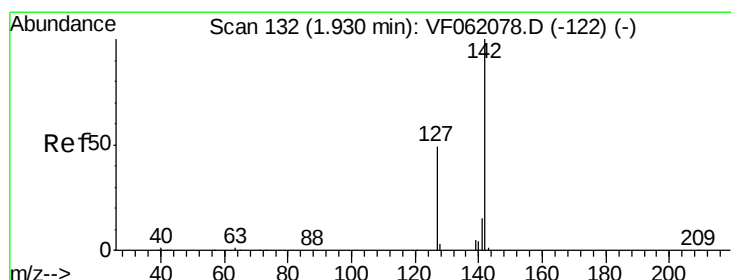
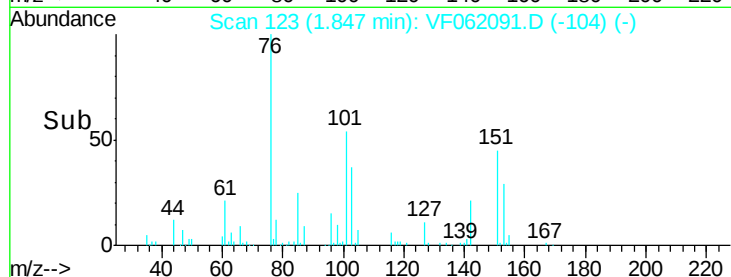
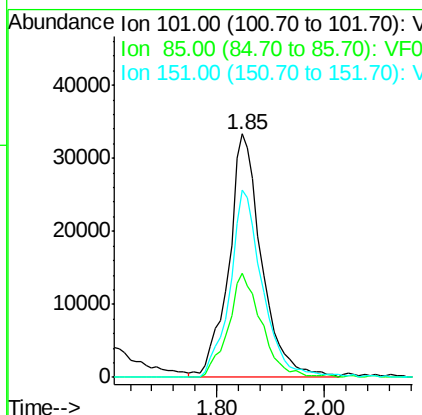
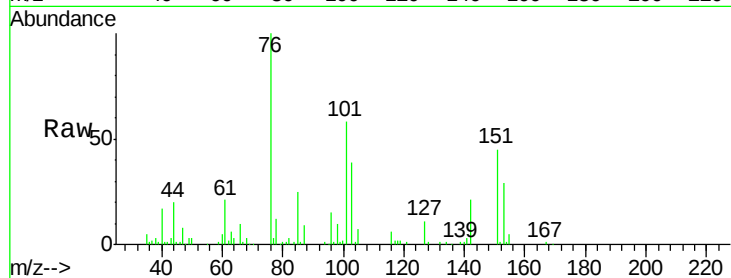
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141948
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.6	52.0
151	76.9	61.7	92.5

Manual Integrations
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#10

Methyl Iodide

Concen: 57.392 ug/l m

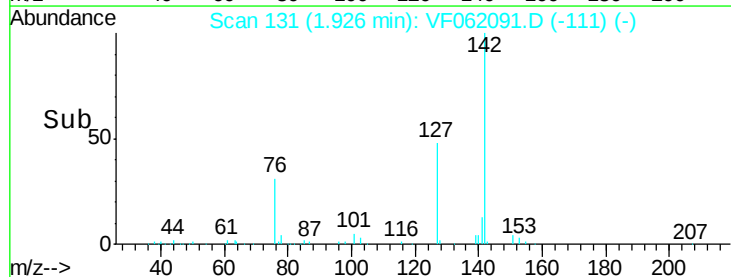
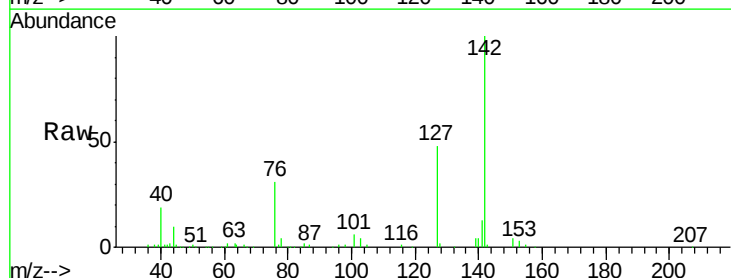
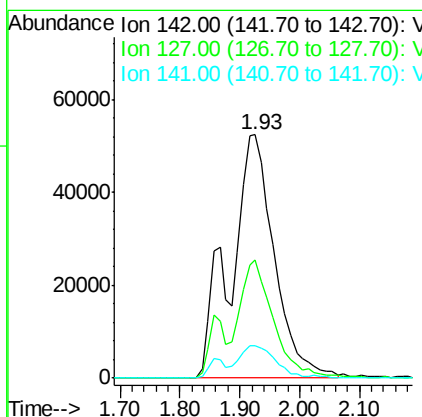
RT: 1.93 min Scan# 131

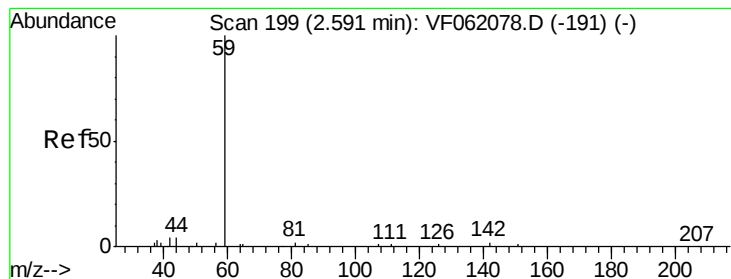
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	142	Resp:	266334
Ion Ratio	Lower	Upper	
142	100		
127	48.3	39.1	58.7
141	13.3	12.2	18.4





#11

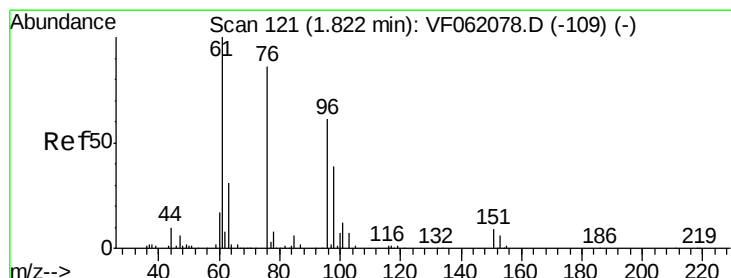
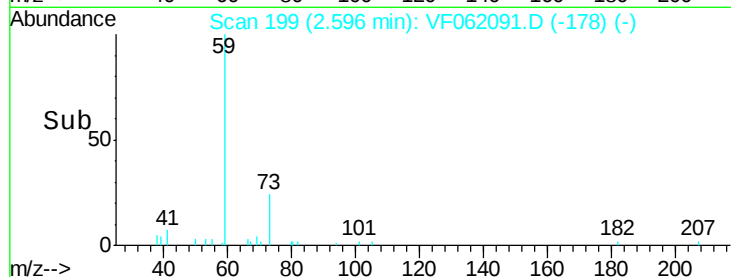
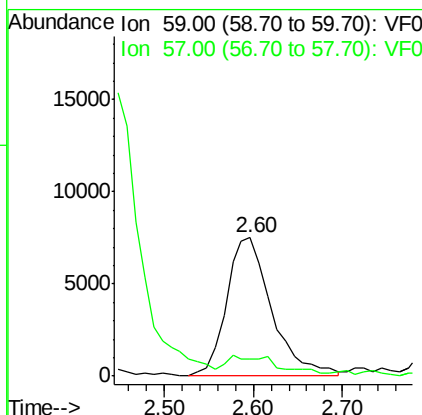
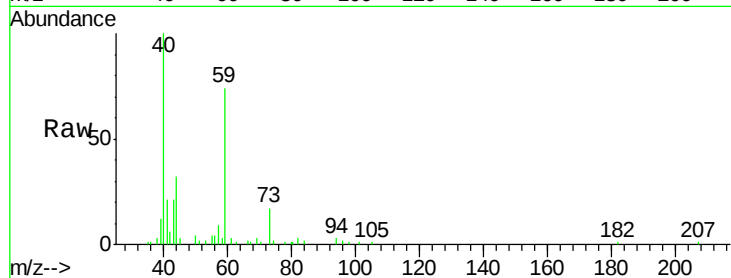
Tert butyl alcohol
Concen: 271.442 ug/l
RT: 2.60 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	26555
Ion Ratio	100	Lower	Upper
57	12.6	11.0	16.4

Manual Integrations
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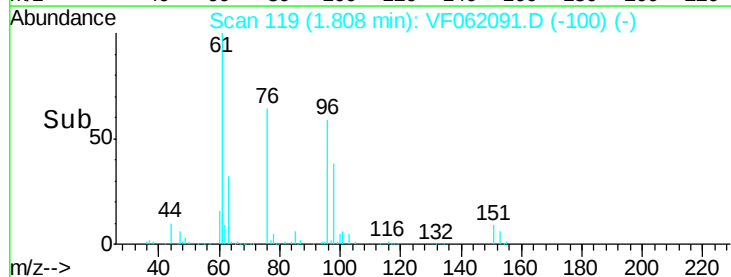
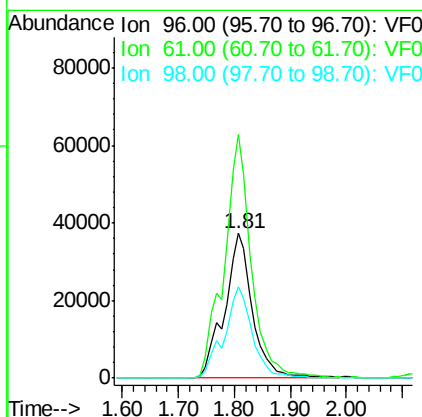
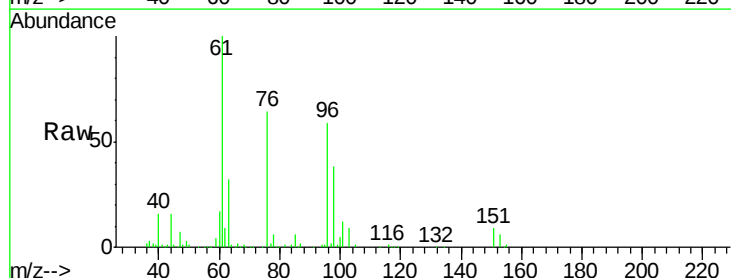
MMDadoda
3/27/2019 11:57:21 AM

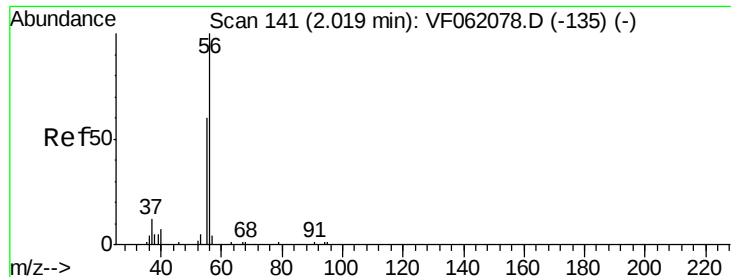


#12

1,1-Dichloroethene
Concen: 56.167 ug/l
RT: 1.81 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	96	Resp	129419
Ion Ratio	100	Lower	Upper
61	168.4	131.0	196.6
98	63.4	51.5	77.3





#13

Acrolein

Concen: 247.892 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 29162

Ion Ratio Lower Upper

56 100

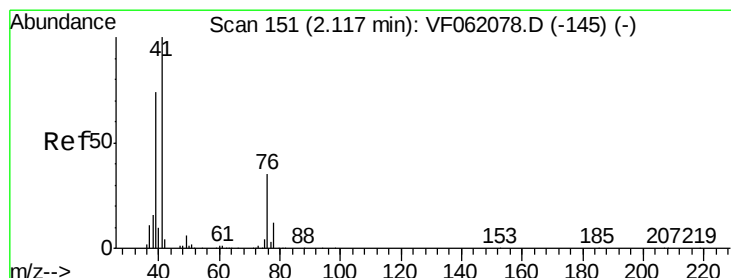
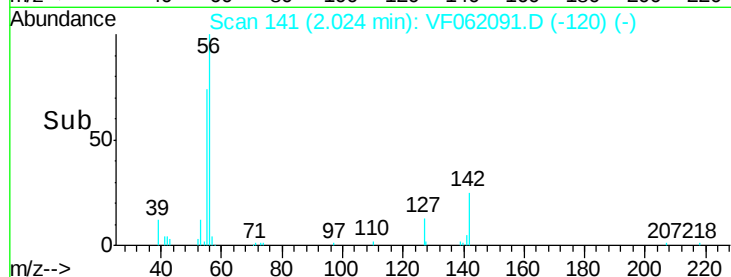
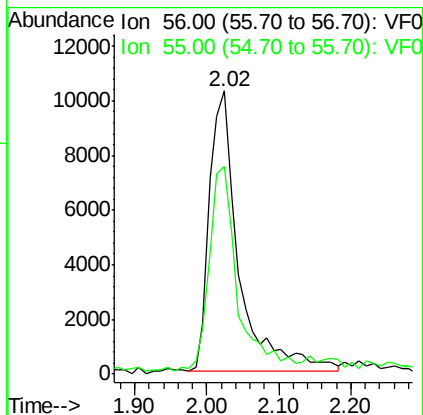
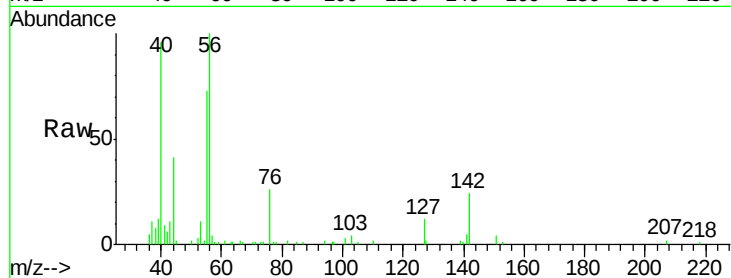
55 73.3 49.0 73.4

Manual Integrations

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MMDadoda

3/27/2019 11:57:21 AM



#14

Allyl chloride

Concen: 62.983 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

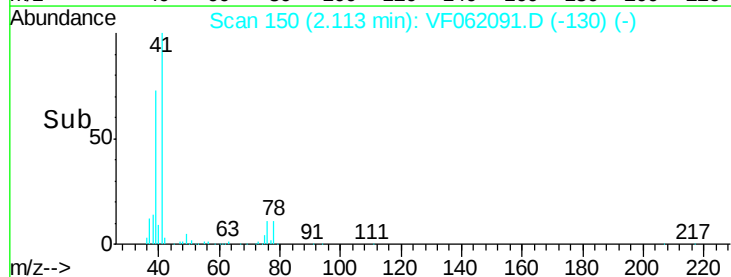
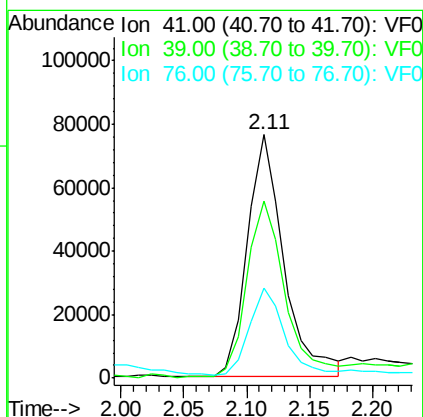
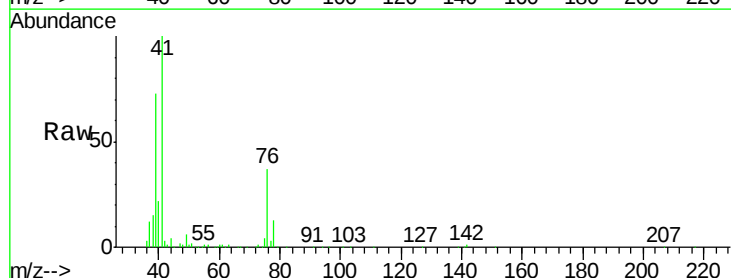
Tgt Ion: 41 Resp: 154941

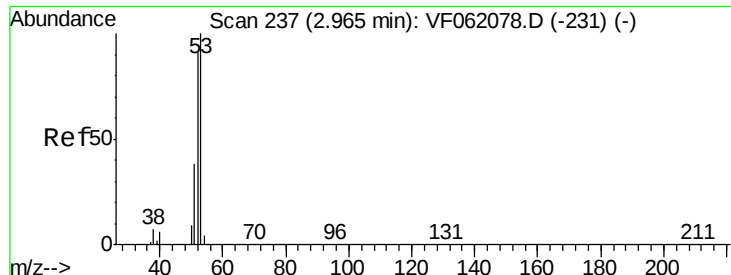
Ion Ratio Lower Upper

41 100

39 72.7 59.8 89.8

76 37.0 30.0 45.0





#15

Acrylonitrile

Concen: 280.846 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

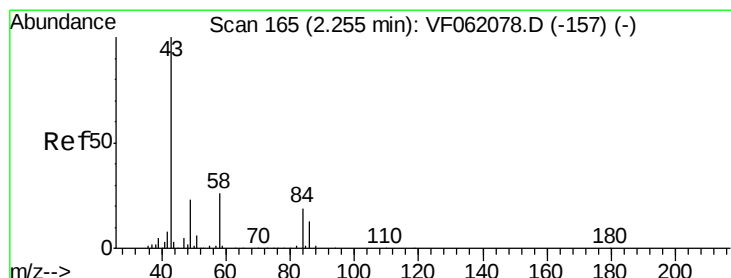
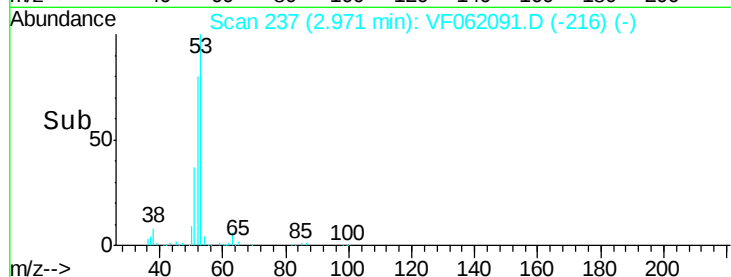
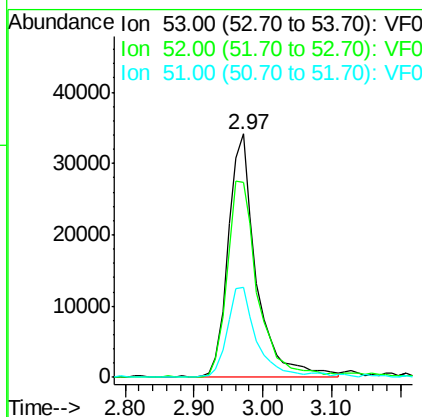
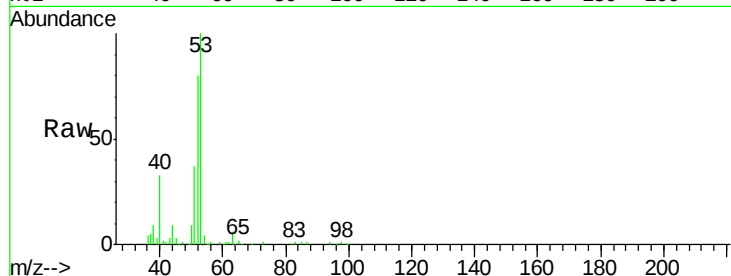
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	96615
Ion	Ratio	Lower	Upper
53	100		
52	80.2	72.3	108.5
51	37.0	30.4	45.6

Manual Integrations
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3/27/2019 11:57:21 AM



#16

Acetone

Concen: 267.155 ug/l

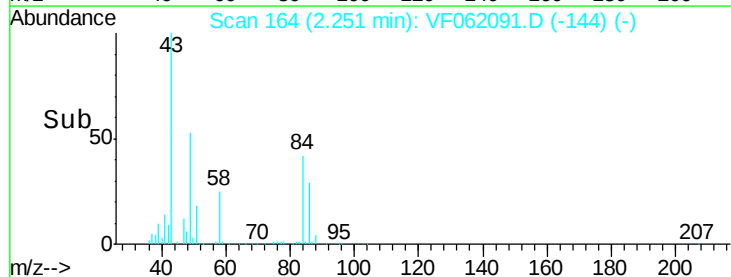
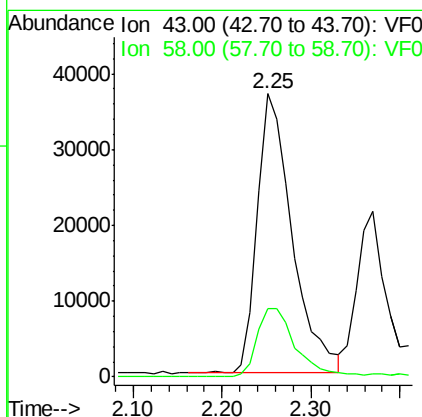
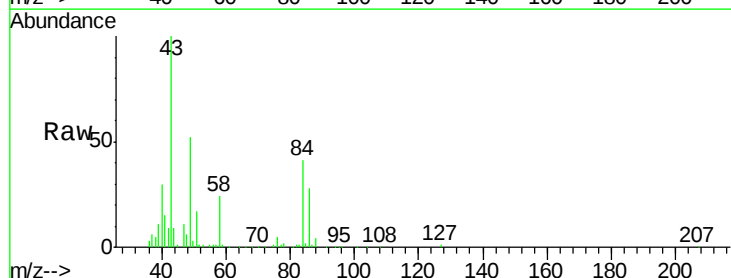
RT: 2.25 min Scan# 164

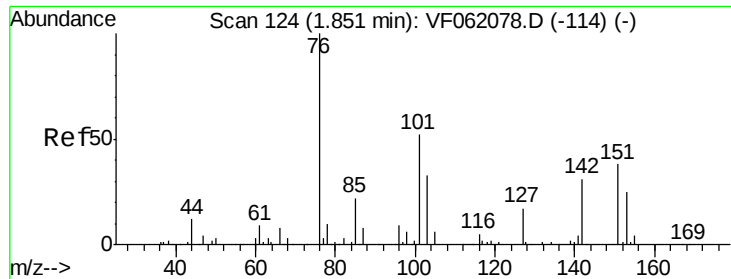
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	43	Resp:	99972
Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.8	31.2





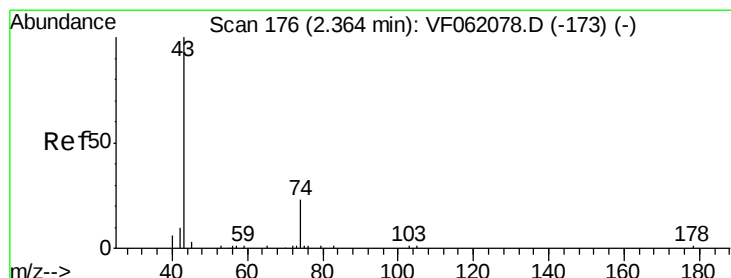
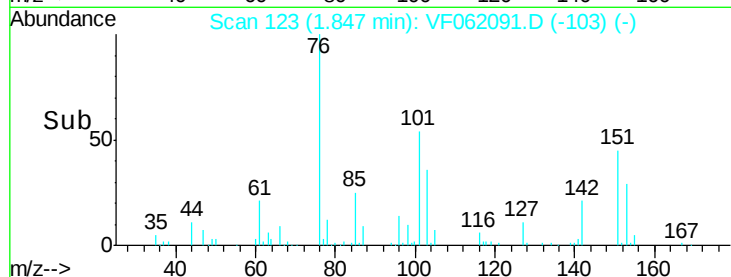
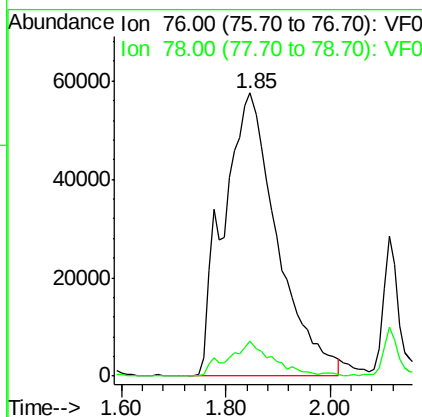
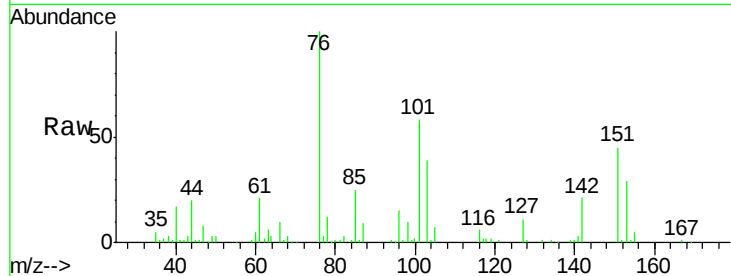
#17
Carbon Disulfide
Concen: 57.638 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 404982
Ion Ratio Lower Upper
76 100
78 12.2 7.9 11.9#

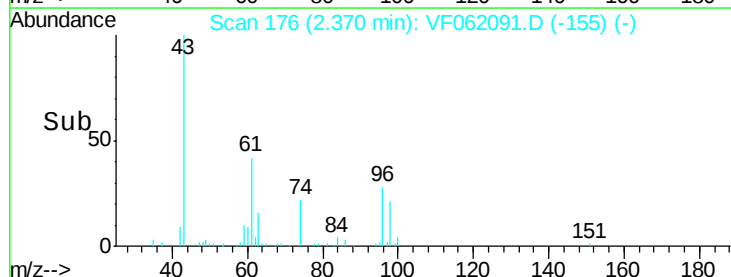
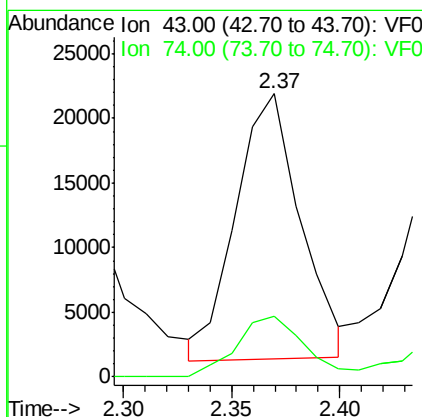
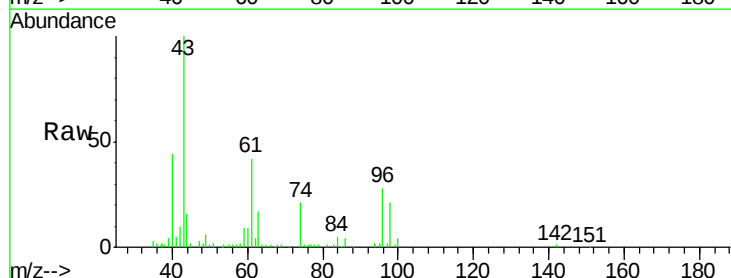
Manual Integrations
APPROVED

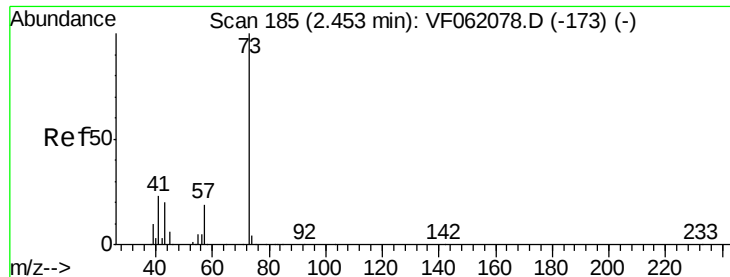
MMDadoda
3/27/2019 11:57:21 AM



#18
Methyl Acetate
Concen: 47.915 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 43 Resp: 42771
Ion Ratio Lower Upper
43 100
74 21.5 16.3 24.5





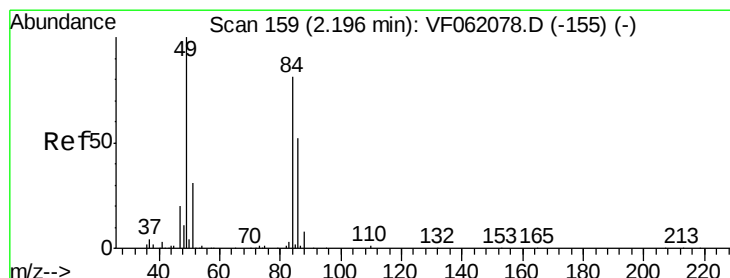
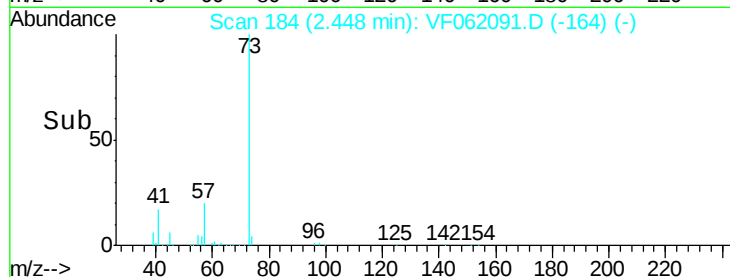
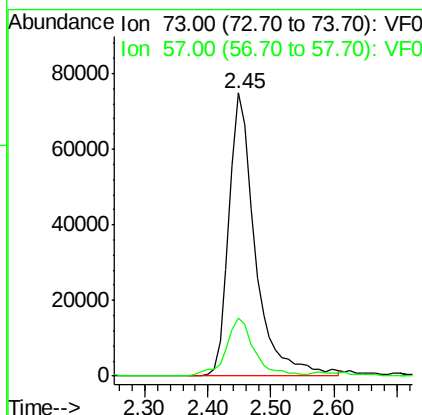
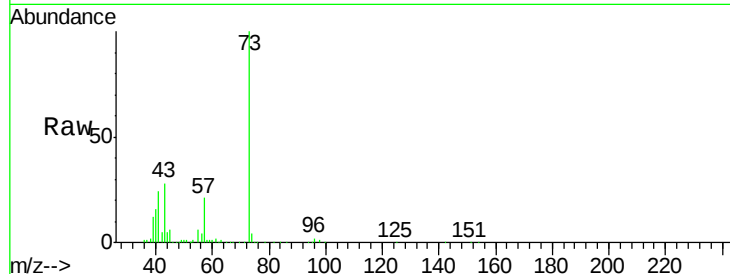
#19
Methvl tert-butvl Ether
Concen: 59.514 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 216734
Ion Ratio Lower Upper
73 100
57 20.5 15.1 22.7

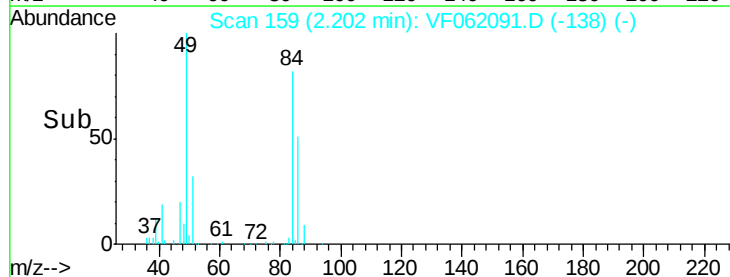
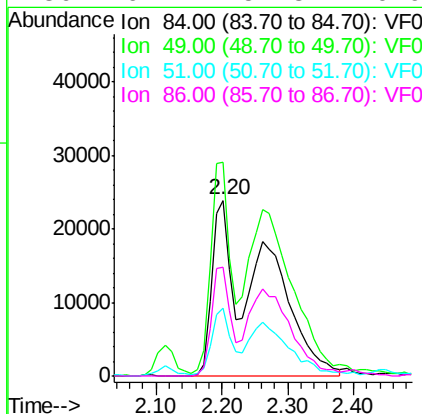
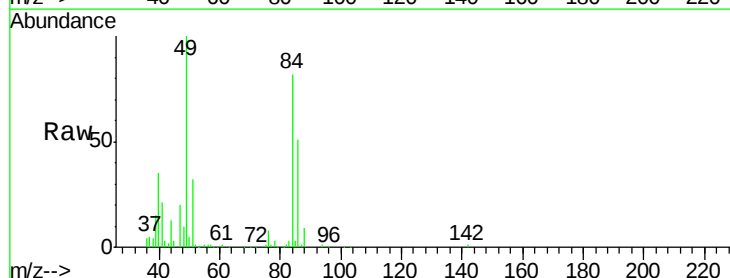
Manual Integrations
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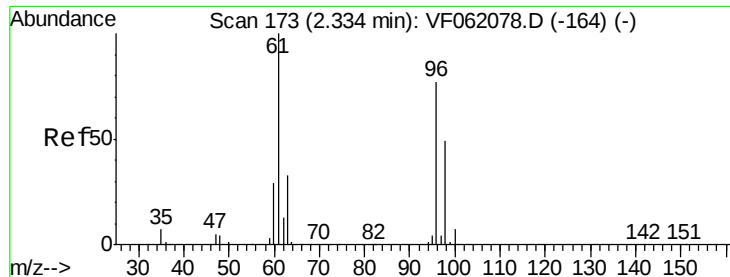
MMDadoda
3/27/2019 11:57:21 AM



#20
Methylene Chloride
Concen: 57.560 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 84 Resp: 128415
Ion Ratio Lower Upper
84 100
49 121.3 100.4 150.6
51 38.7 31.0 46.6
86 61.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 60.468 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

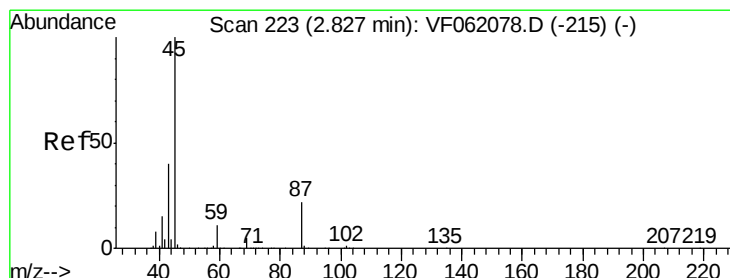
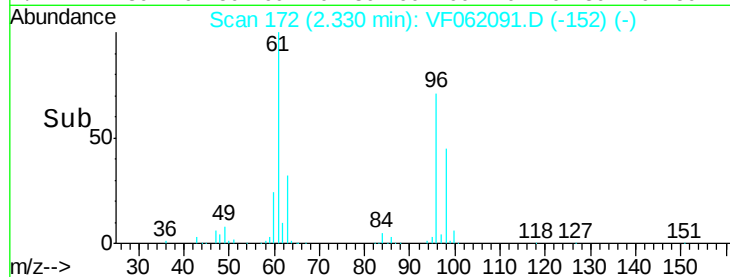
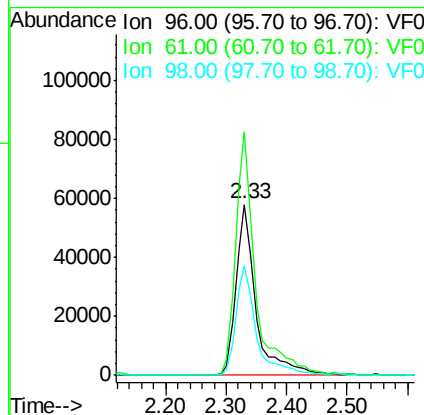
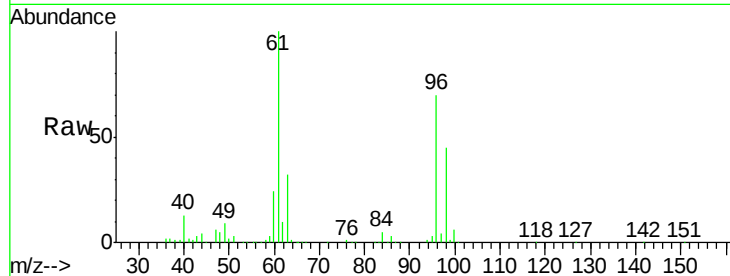
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	134056
Ion	Ratio	Lower	Upper
96	100		
61	142.4	104.5	156.7
98	63.9	51.2	76.8

Manual Integrations
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MMDadoda
3/27/2019 11:57:21 AM



#22

Diisopropyl ether

Concen: 58.876 ug/l

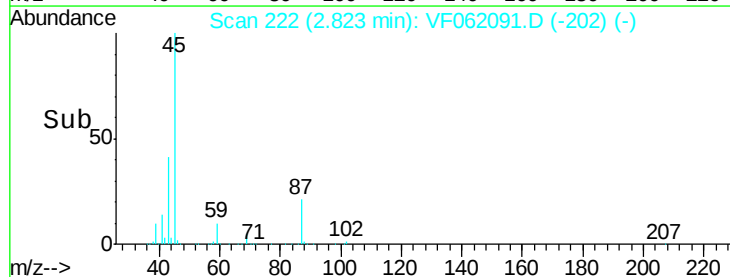
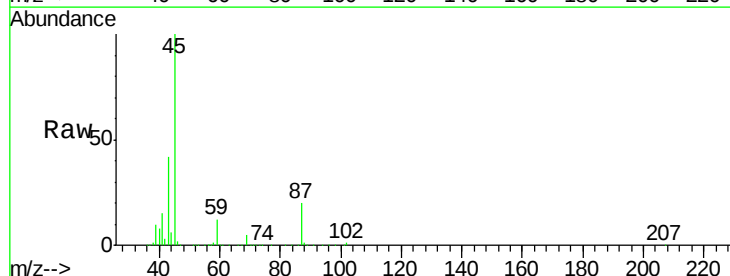
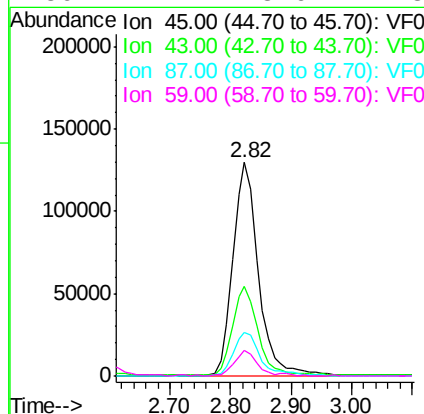
RT: 2.82 min Scan# 222

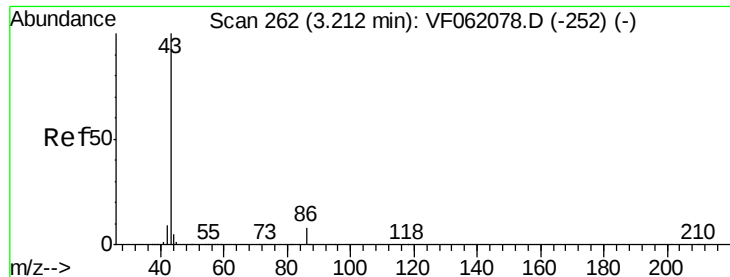
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	45	Resp:	379742
Ion	Ratio	Lower	Upper
45	100		
43	42.2	32.5	48.7
87	20.5	17.4	26.2
59	11.7	8.6	12.8





#23

Vinyl Acetate

Concen: 299.035 ug/l

RT: 3.22 min Scan# 262

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 789682

Ion Ratio Lower Upper

43 100

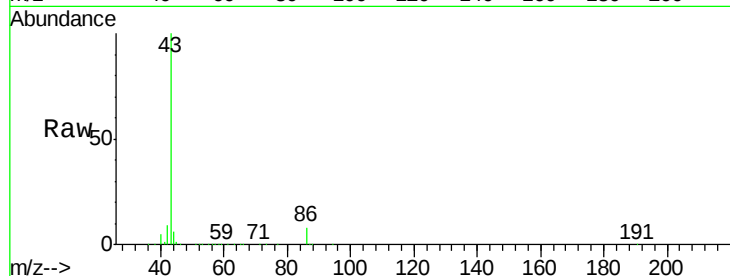
86 8.2 6.8 10.2

Manual Integrations

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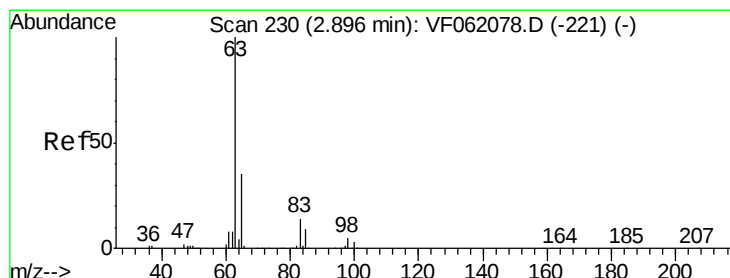
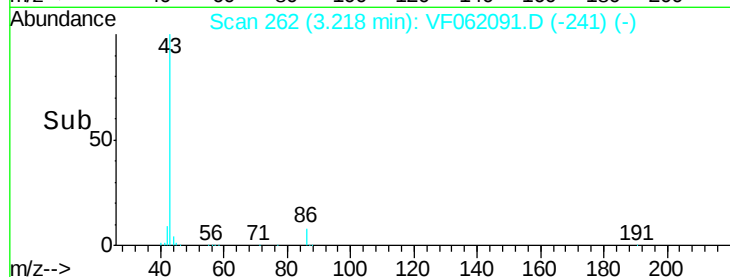
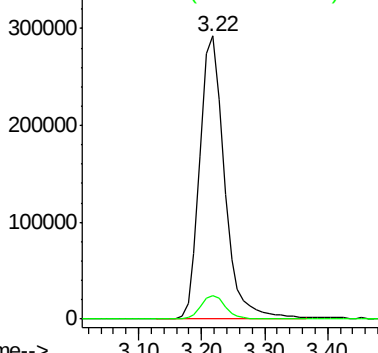
MMDadoda

3/27/2019 11:57:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 58.843 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

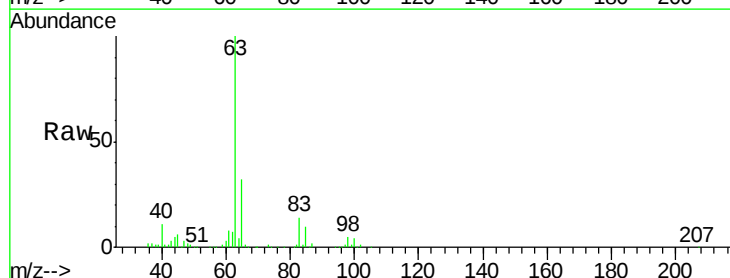
Tgt Ion: 63 Resp: 227597

Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

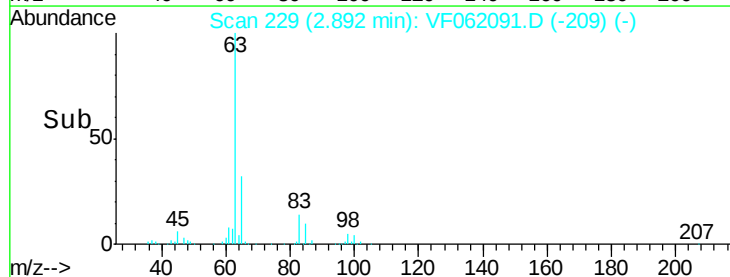
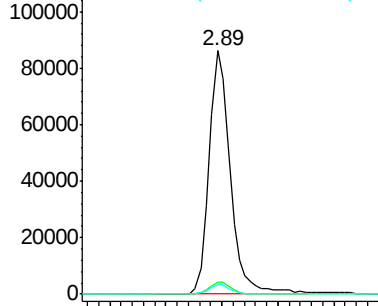
100 4.0 1.7 5.1

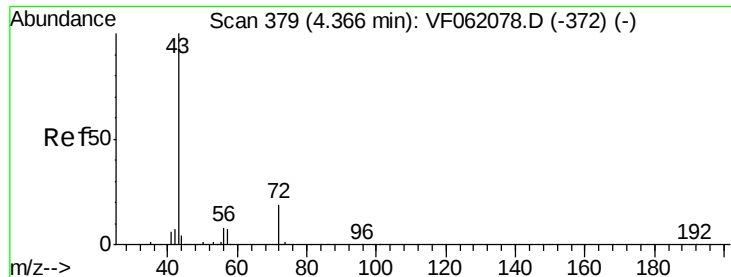


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 281.485 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 219899

Ion Ratio Lower Upper

43 100

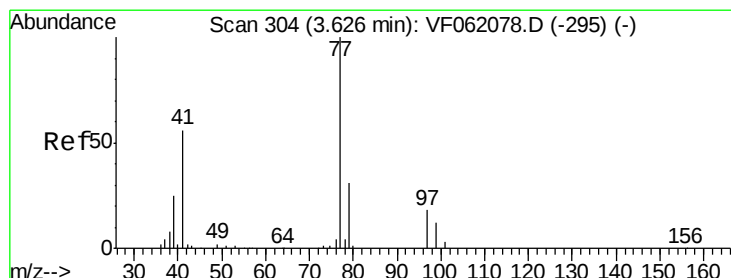
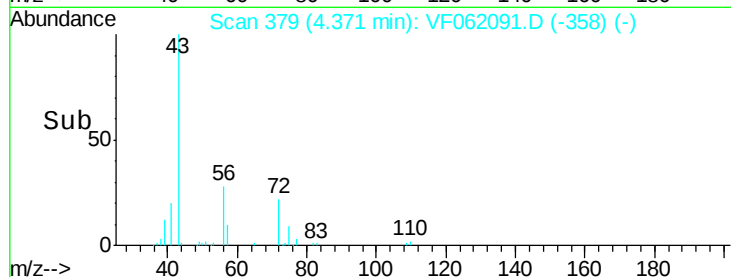
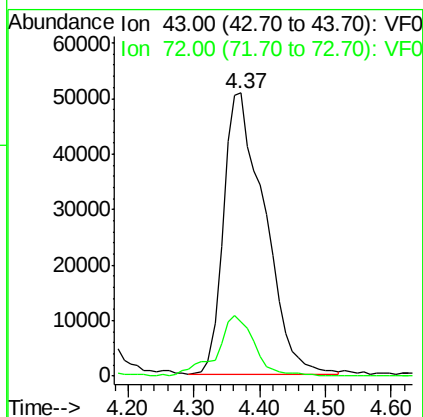
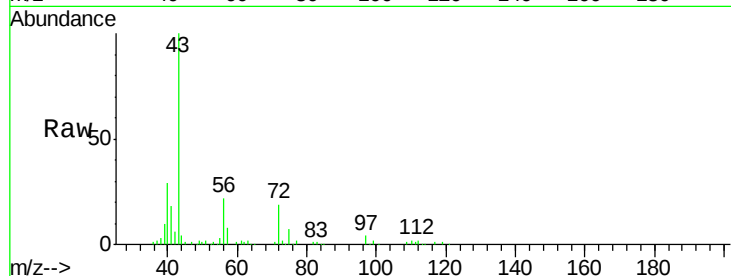
72 19.0 16.7 25.1

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#26

2,2-Dichloropropane

Concen: 57.082 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF062091.D

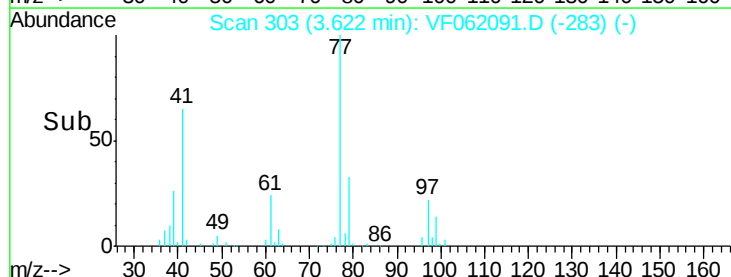
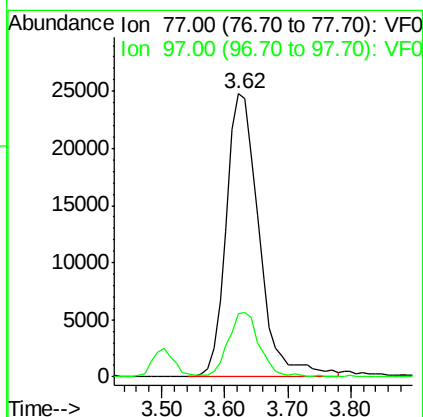
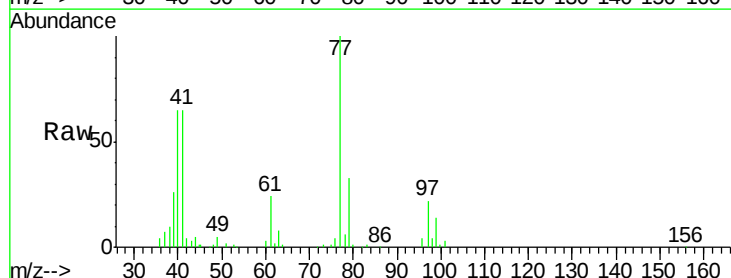
Acq: 22 Mar 2019 19:46

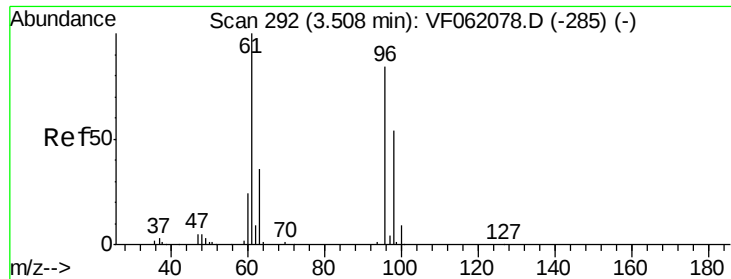
Tgt Ion: 77 Resp: 89519

Ion Ratio Lower Upper

77 100

97 22.4 10.3 30.9





#27

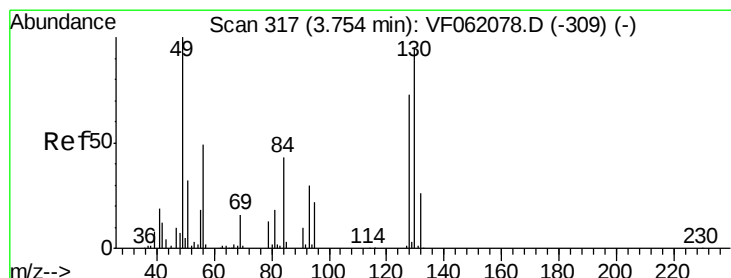
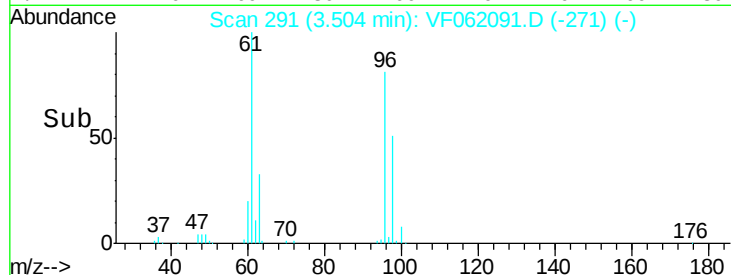
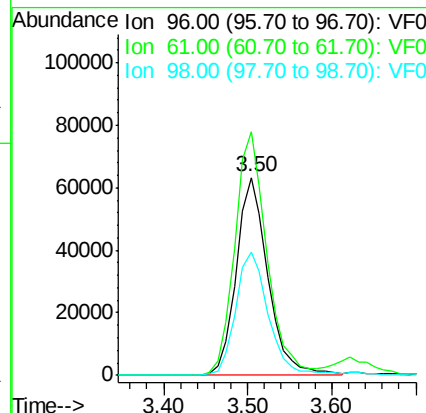
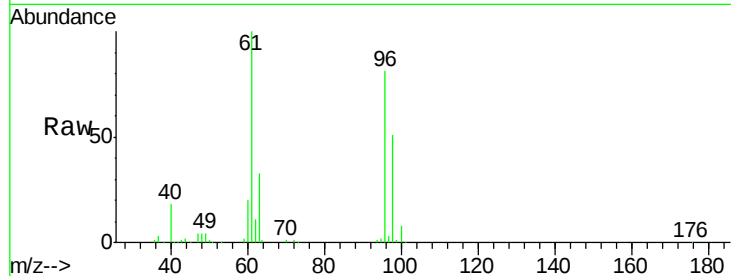
cis-1,2-Dichloroethene
Concen: 56.499 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165983		
61	123.0		0.0	239.0
98	62.2		0.0	128.2

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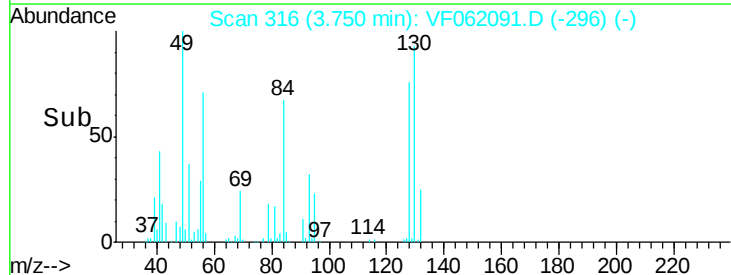
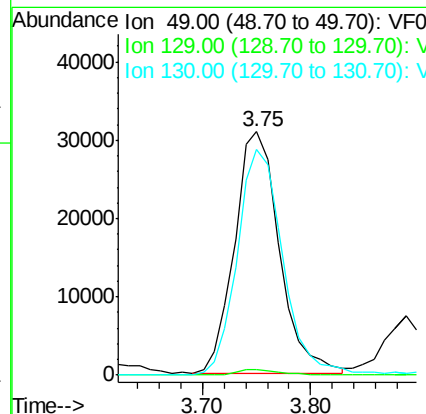
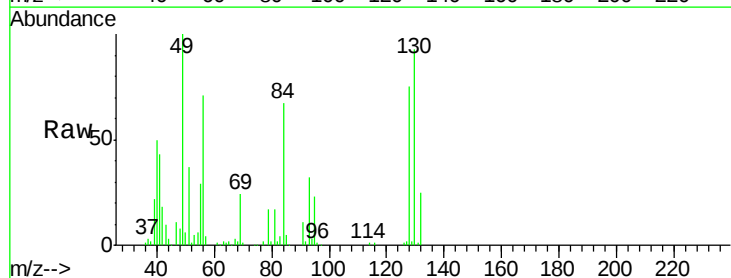
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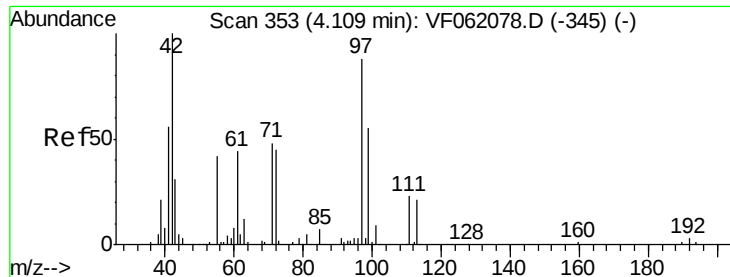


#28

Bromochloromethane
Concen: 56.413 ug/l
RT: 3.75 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89151		
129	2.4		0.0	5.6
130	92.8		75.5	113.3





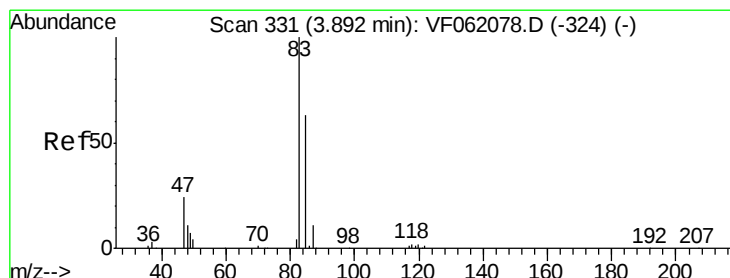
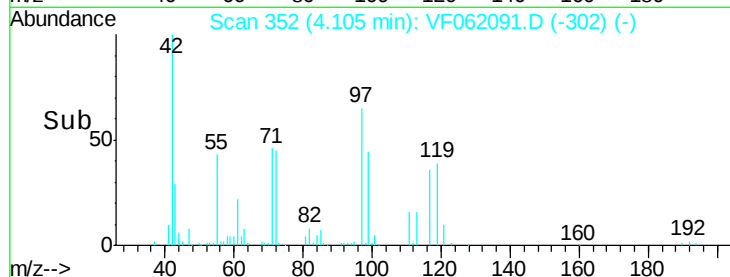
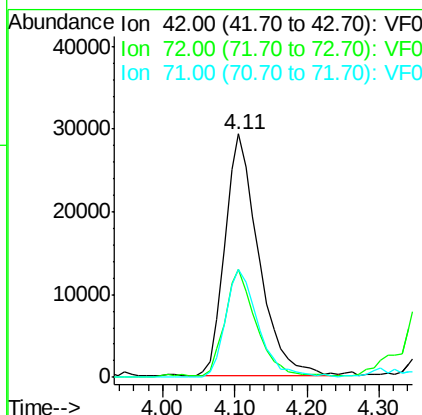
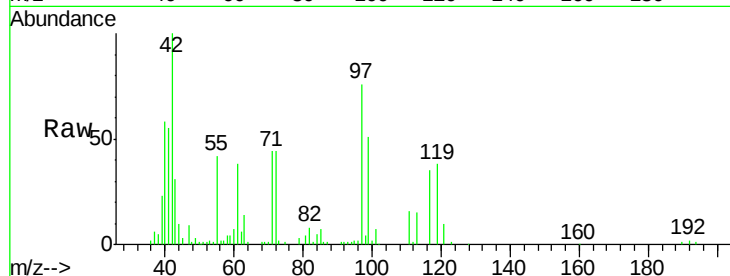
#29
Tetrahydrofuran
Concen: 278.435 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.3	49.9
71	43.7	35.0	52.4

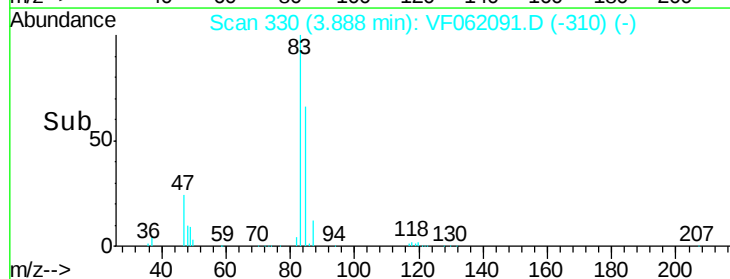
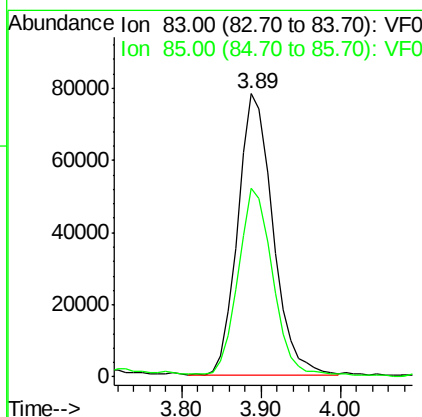
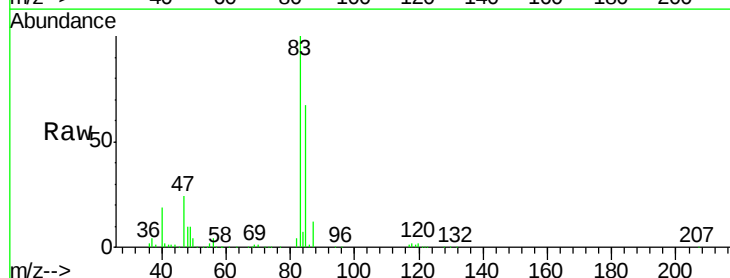
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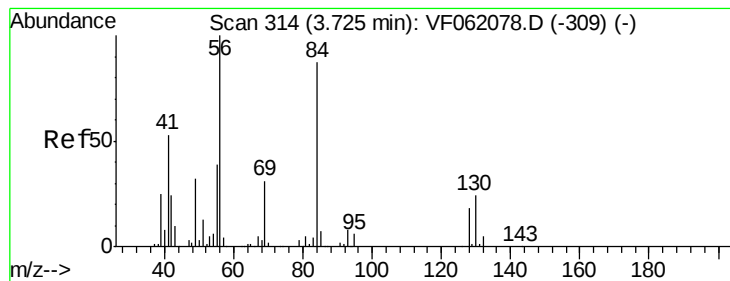
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#30
Chloroform
Concen: 58.164 ug/l
RT: 3.89 min Scan# 330
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.5	77.3





#31

Cyclohexane

Concen: 55.805 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

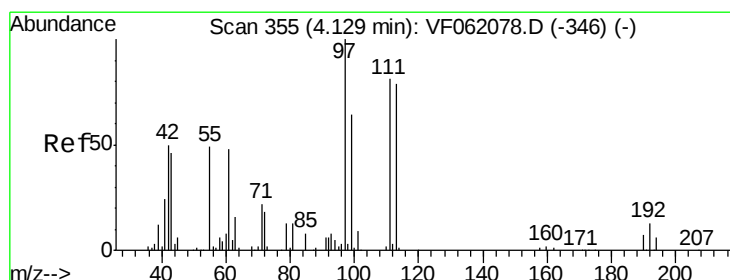
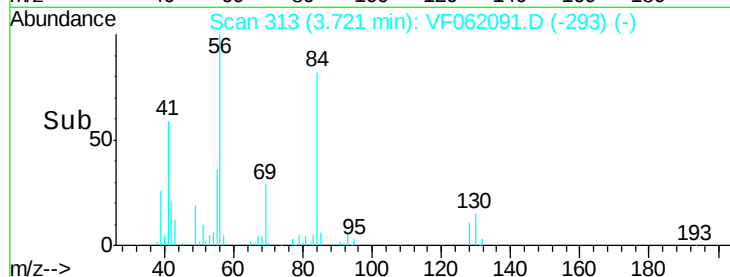
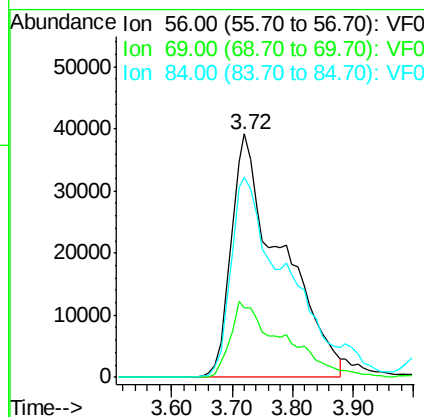
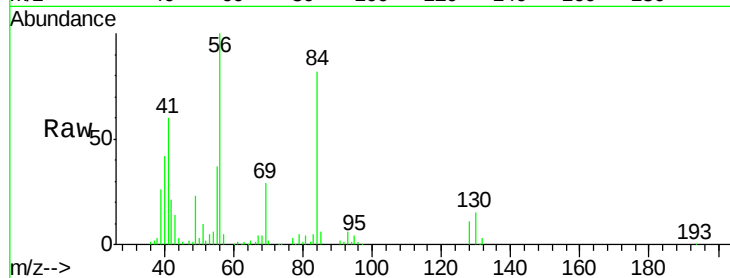
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	225434
Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.9	38.9
84	82.3	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 66.922 ug/l

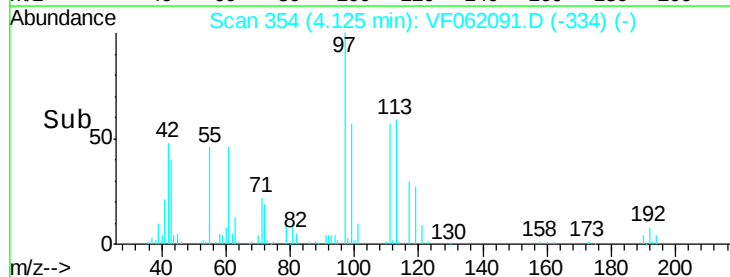
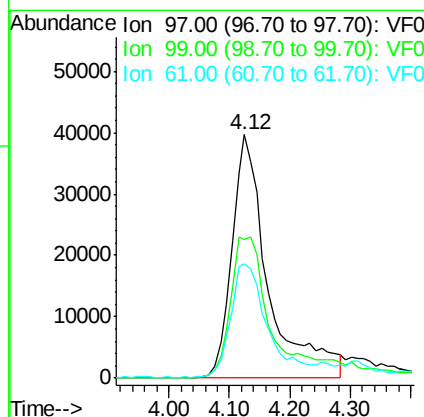
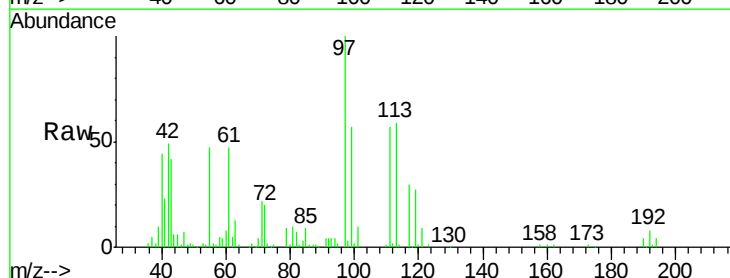
RT: 4.12 min Scan# 354

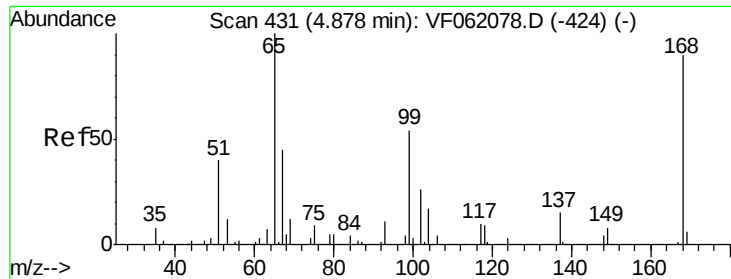
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	97	Resp:	166405
Ion	Ratio	Lower	Upper
97	100		
99	57.0	51.3	76.9
61	47.0	39.0	58.6





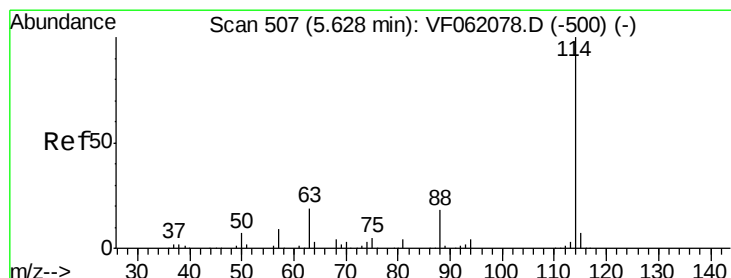
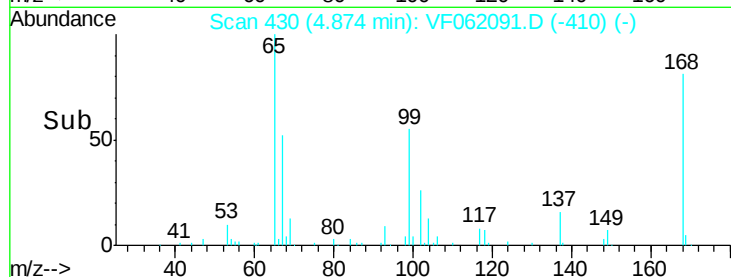
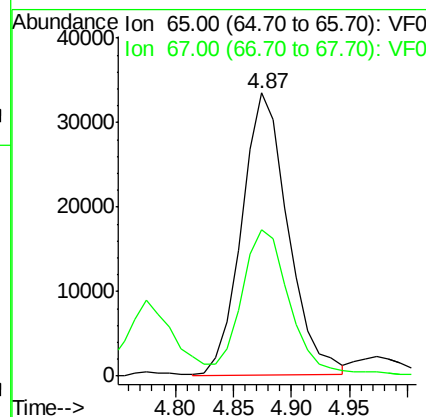
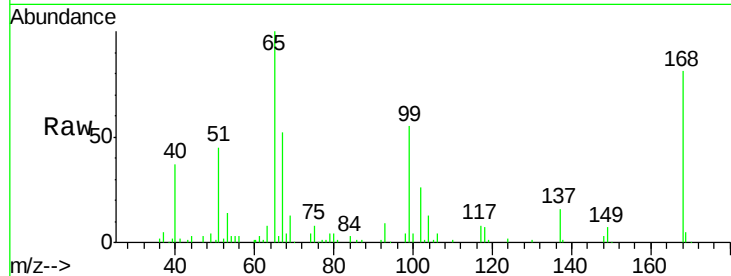
#33
 1,2-Dichloroethane-d4
 Concen: 51.926 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 92324
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2

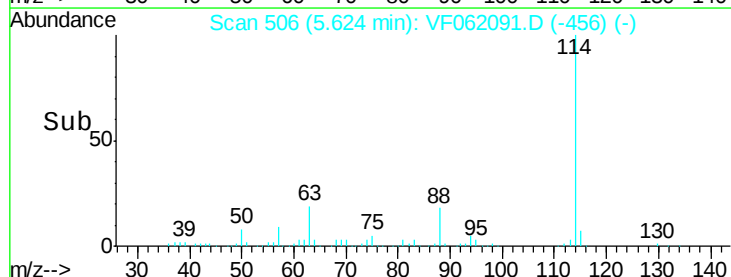
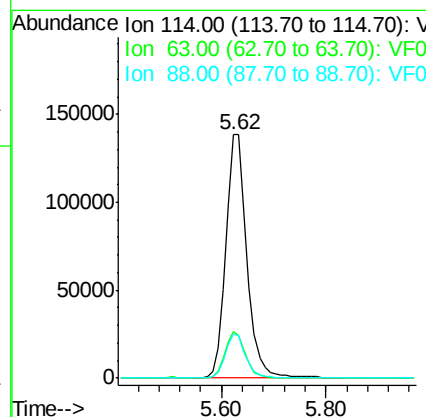
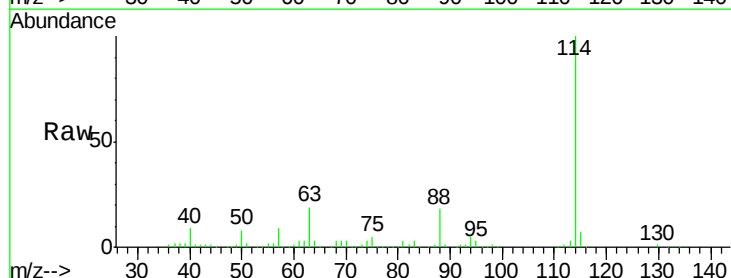
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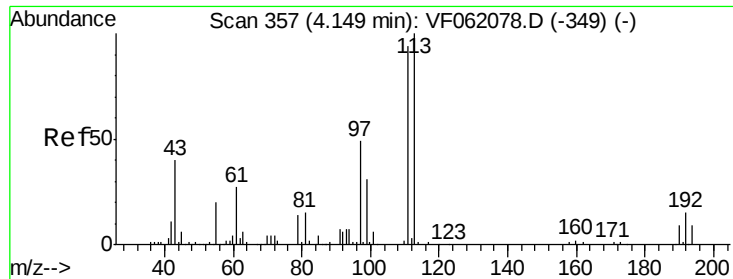
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion: 114 Resp: 386645
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 18.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 50.527 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

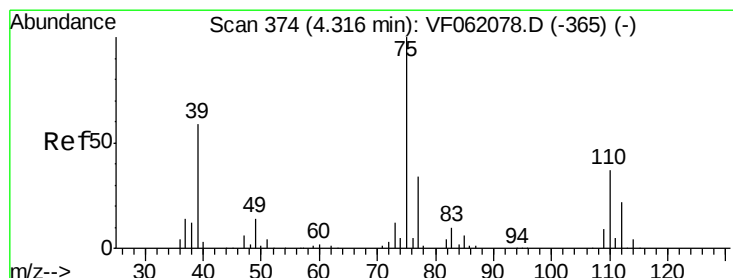
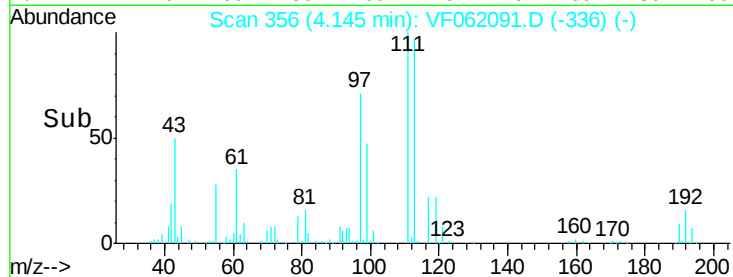
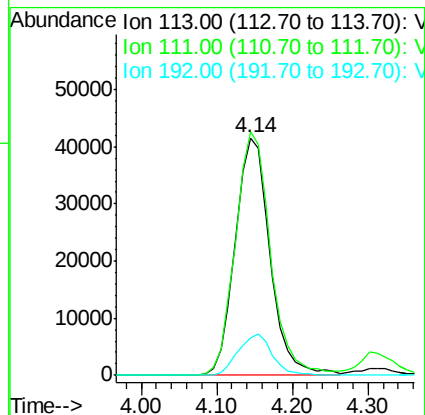
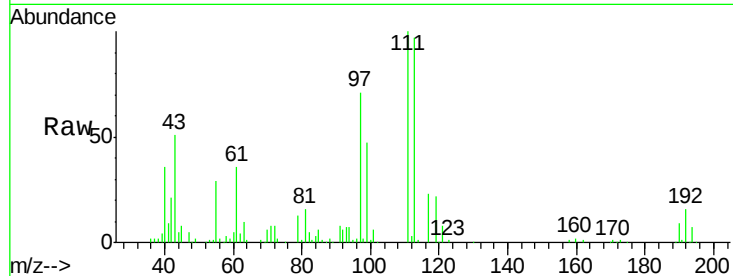
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	132153
Ion Ratio	Lower	Upper	
113	100		
111	102.6	75.4	113.0
192	16.0	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 53.621 ug/l

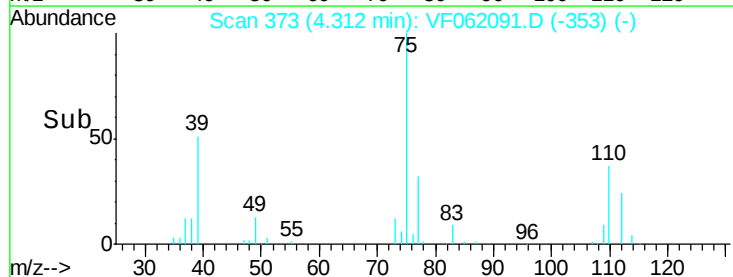
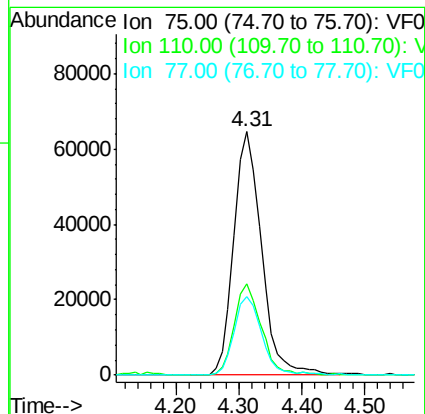
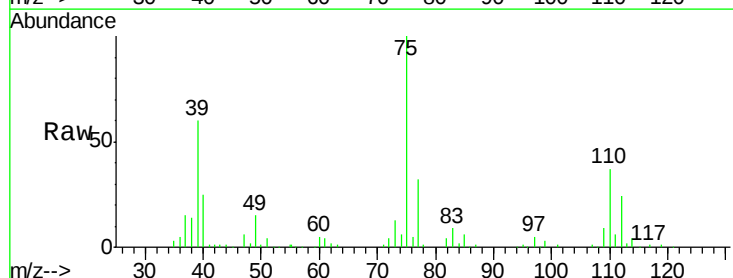
RT: 4.31 min Scan# 373

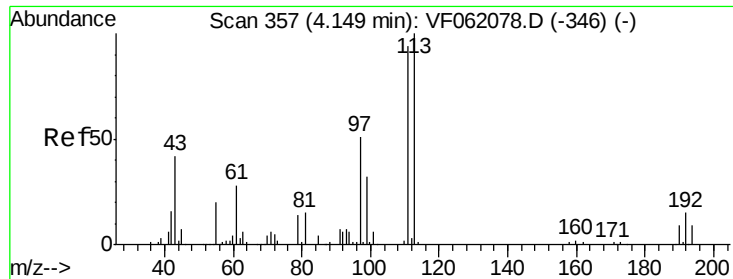
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	75	Resp:	197475
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.5	55.5
77	32.0	27.4	41.0





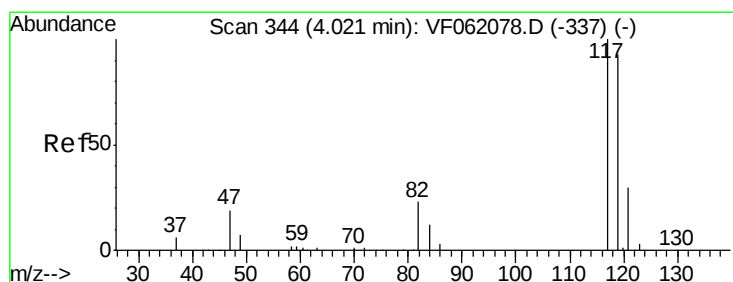
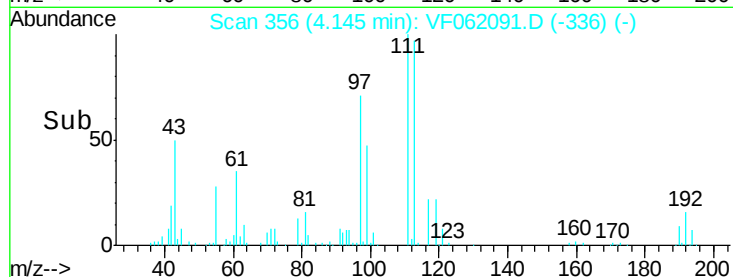
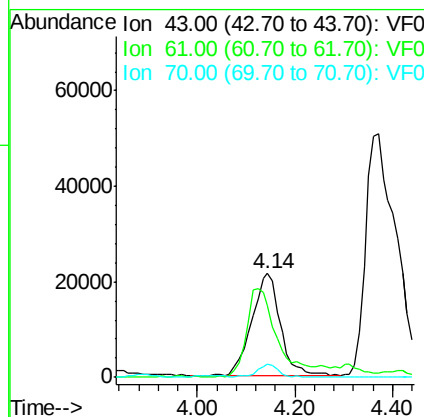
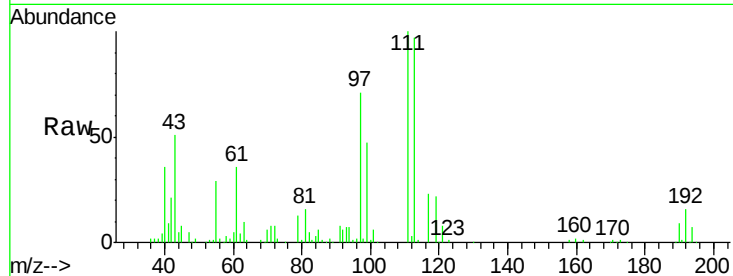
#37
Ethyl Acetate
Concen: 55.215 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						88867
61	69.9	53.6				80.4	
70	12.1	9.0				13.6	

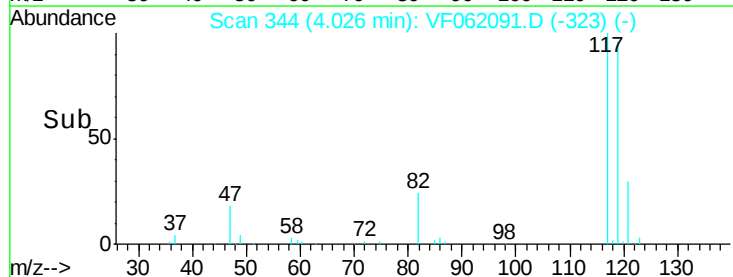
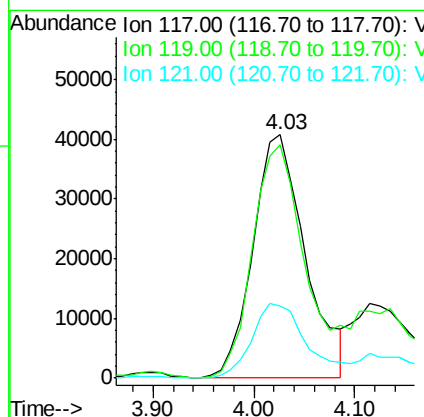
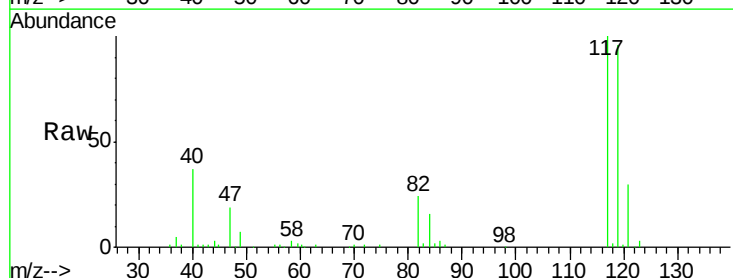
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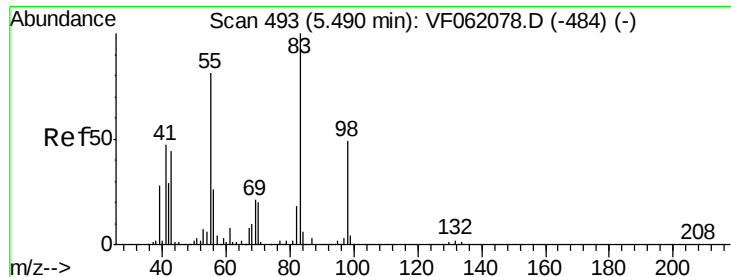
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#38
Carbon Tetrachloride
Concen: 58.489 ug/l
RT: 4.03 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						146811
119	95.7	74.7				112.1	
121	29.8	23.6				35.4	





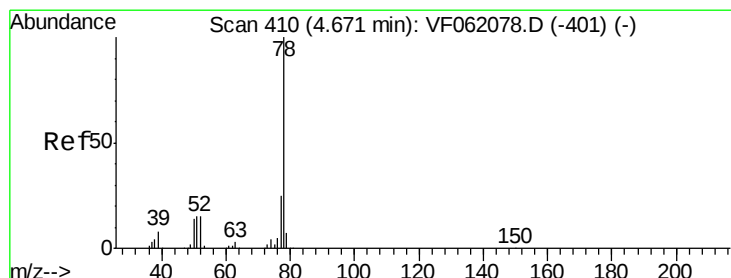
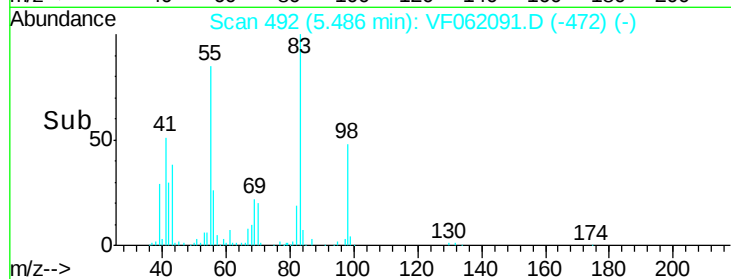
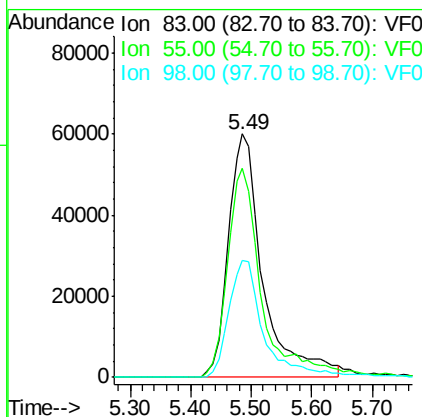
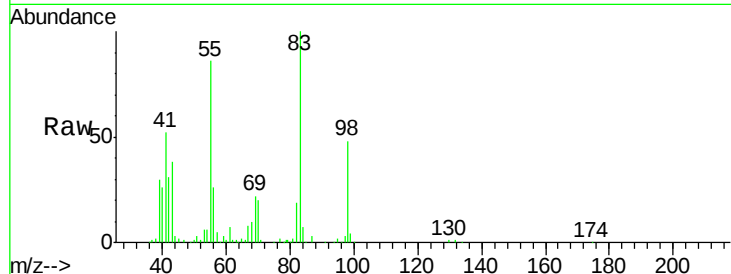
#39
Methylvlcvclohexane
Concen: 55.663 ug/l
RT: 5.49 min Scan# 492
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	64.5	96.7
98	48.2	39.1	58.7

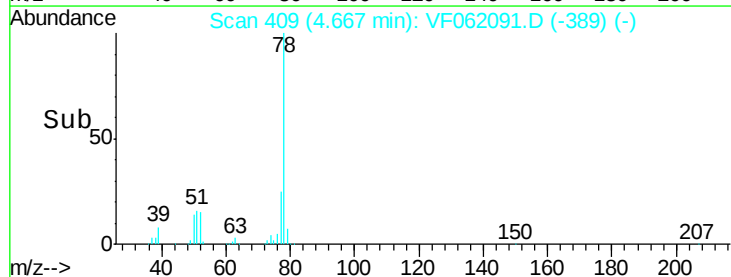
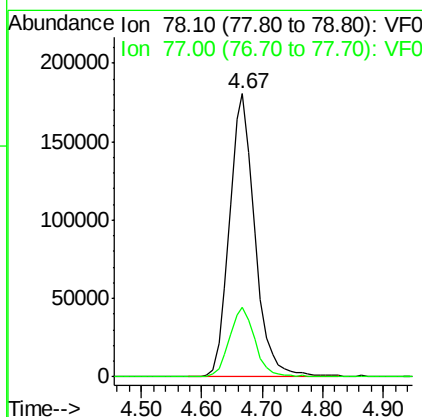
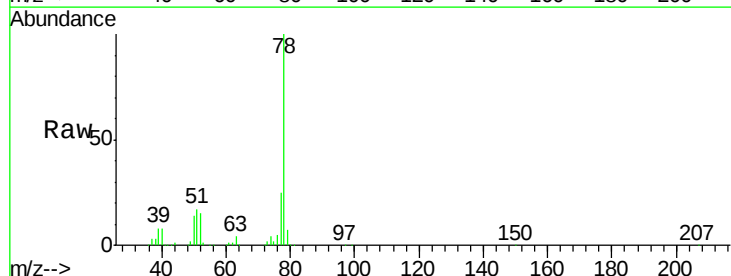
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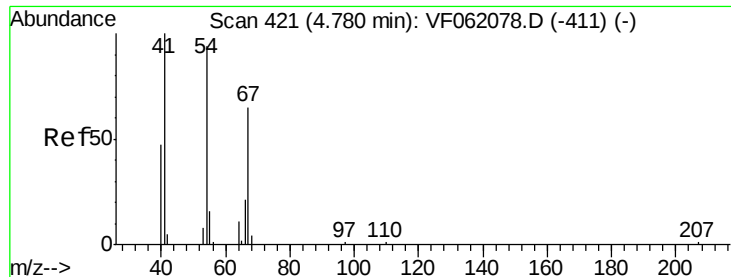
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#40
Benzene
Concen: 53.441 ug/l
RT: 4.67 min Scan# 409
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





#41

Methacrylonitrile

Concen: 53.758 ug/l

RT: 4.78 min Scan# 420

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

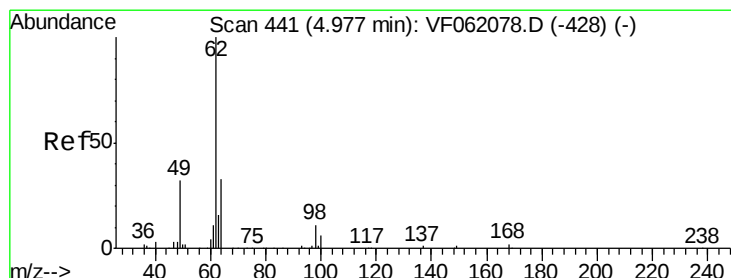
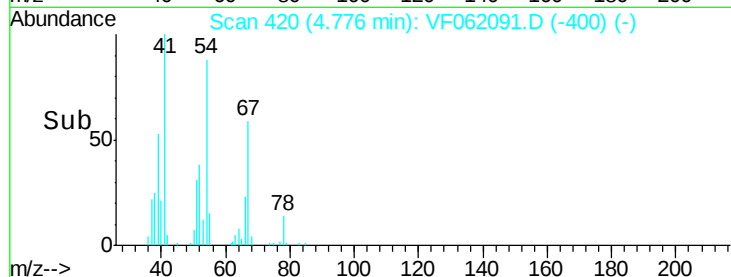
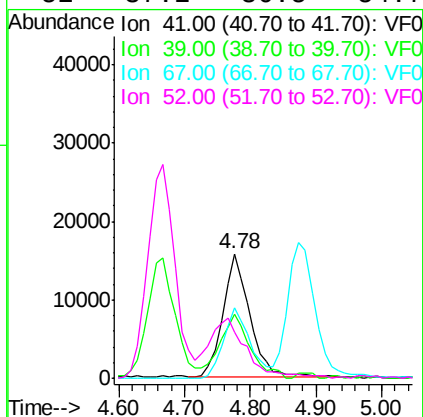
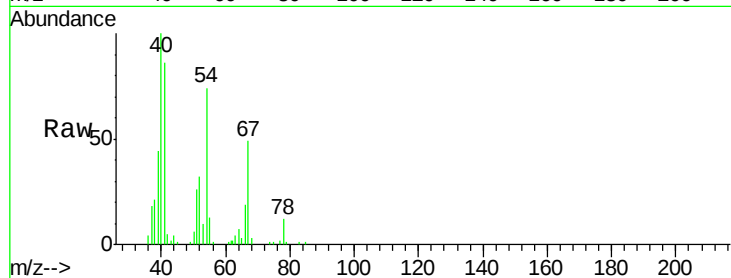
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	45780
Ion	Ratio	Lower	Upper
41	100		
39	51.5	43.5	65.3
67	56.9	51.6	77.4
52	37.2	36.5	54.7

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#42

1,2-Dichloroethane

Concen: 54.334 ug/l

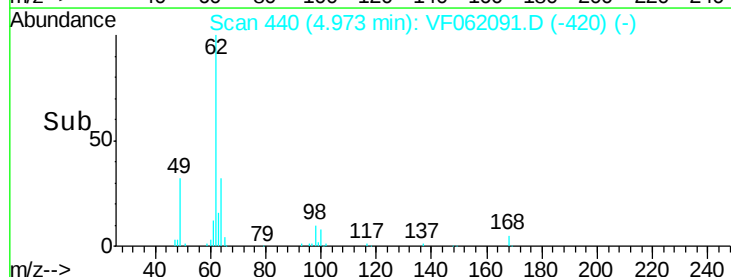
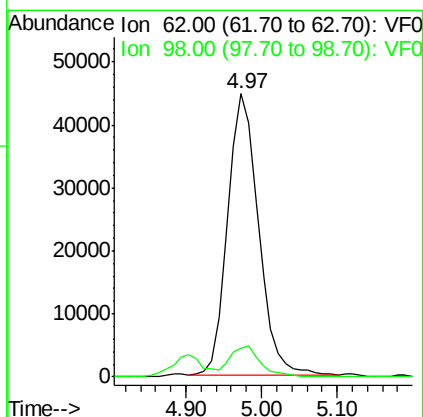
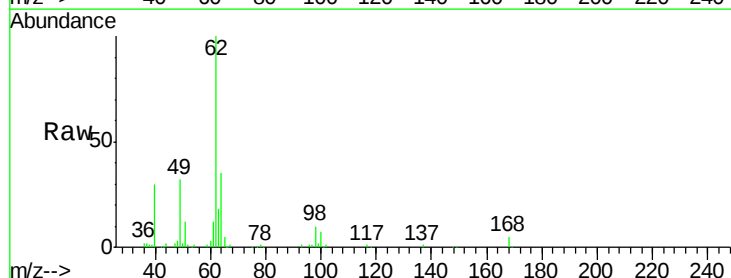
RT: 4.97 min Scan# 440

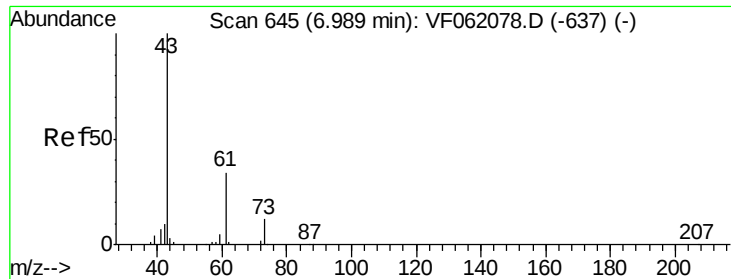
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	62	Resp:	126852
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	23.2





#43

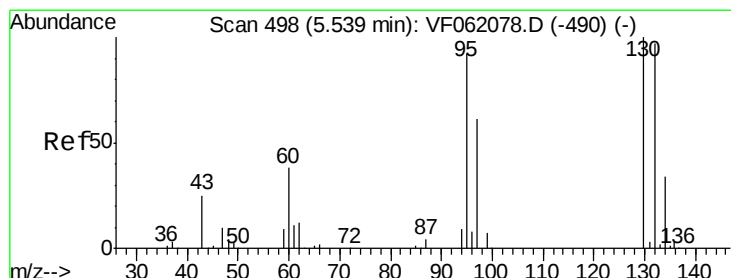
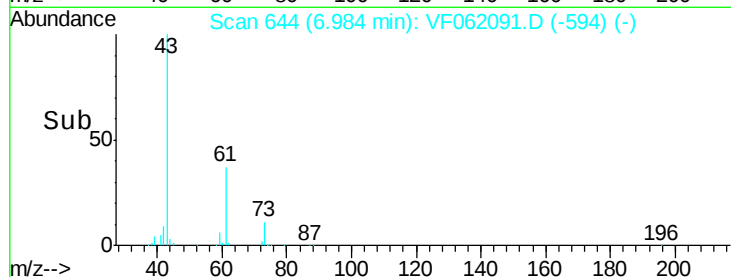
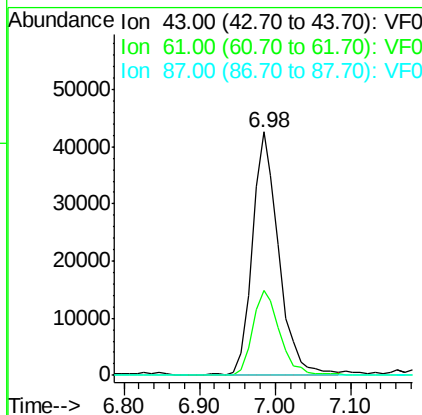
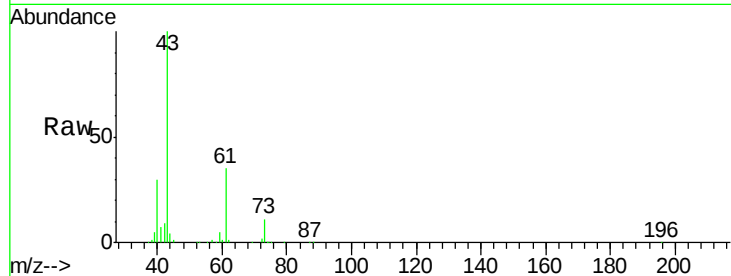
Isopropyl Acetate
 Concen: 53.167 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	27.0	40.4
87	0.3	0.4	0.6

Manual Integrations
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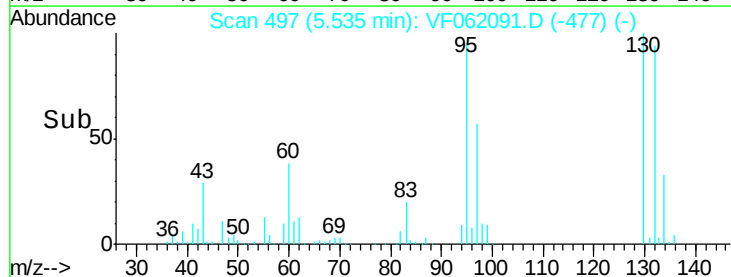
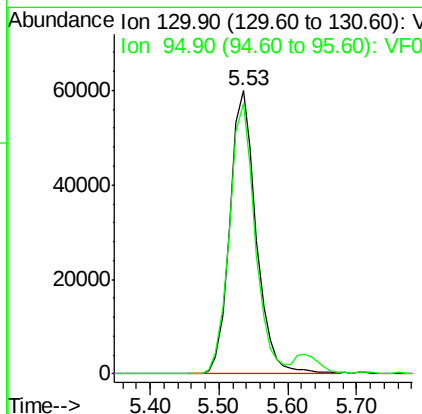
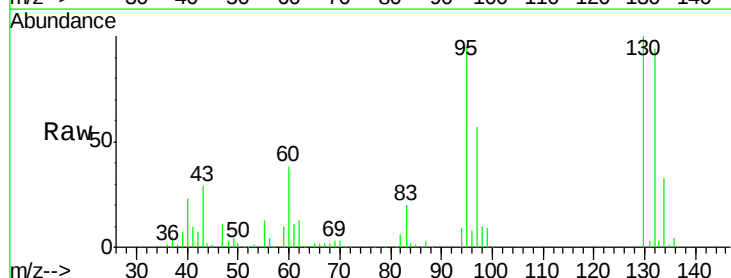
MMDadoda
 3/27/2019 11:57:21 AM

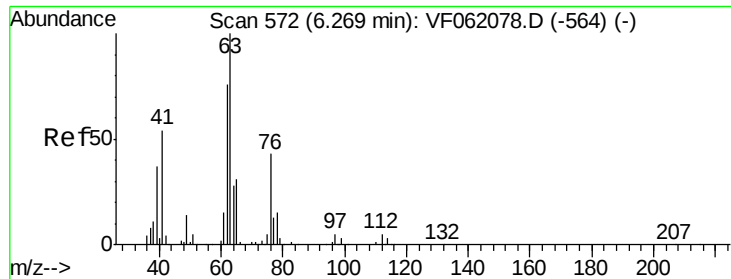


#44

Trichloroethene
 Concen: 52.568 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	183.4





#45

1,2-Dichloropropane

Concen: 55.788 ug/l

RT: 6.26 min Scan# 571

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 131369

Ion Ratio Lower Upper

63 100

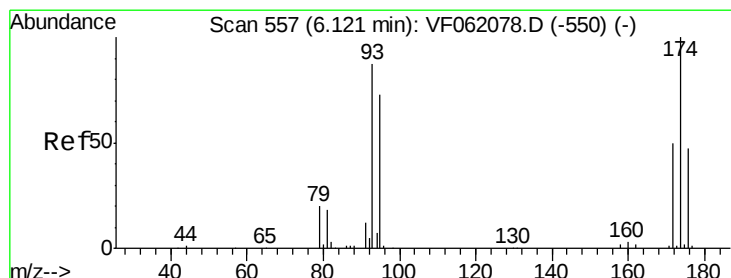
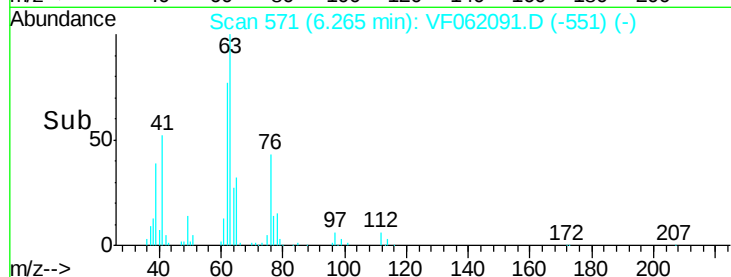
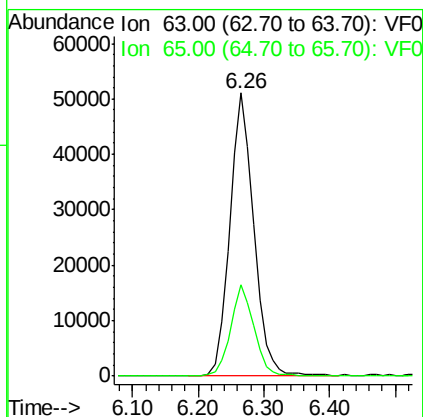
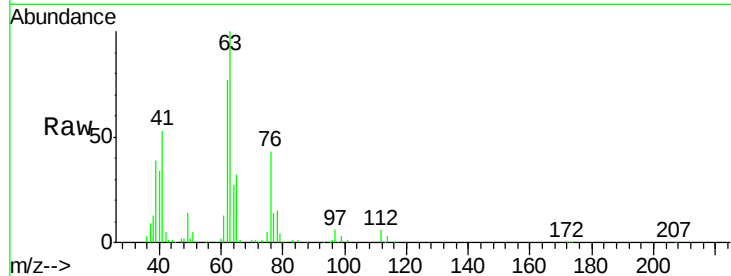
65 32.4 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 55.918 ug/l

RT: 6.12 min Scan# 556

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

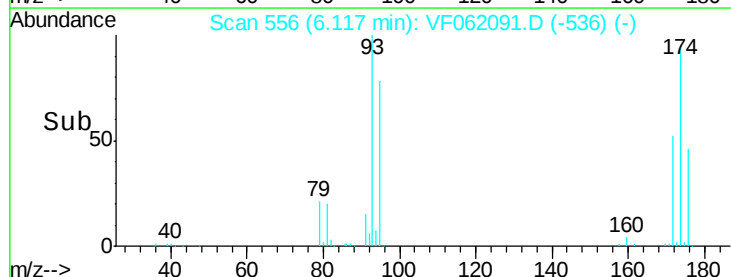
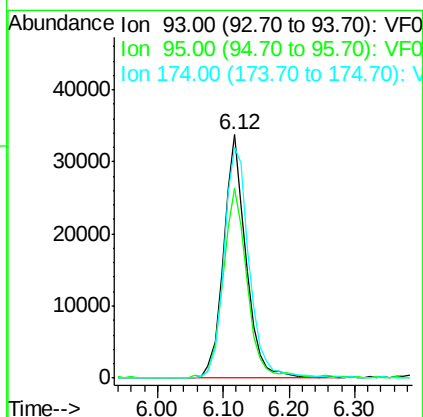
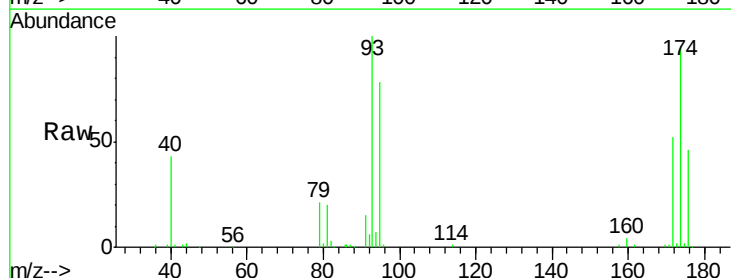
Tgt Ion: 93 Resp: 80509

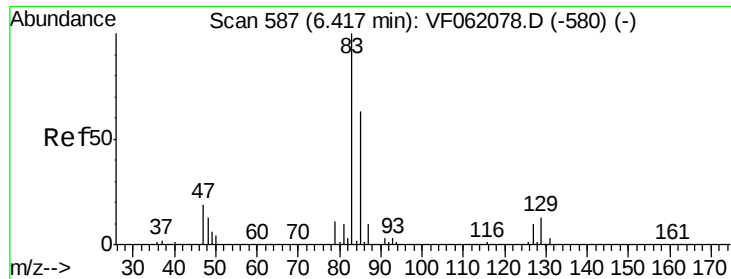
Ion Ratio Lower Upper

93 100

95 78.2 67.4 101.2

174 94.9 92.0 138.0





#47

Bromodichloromethane

Concen: 55.736 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

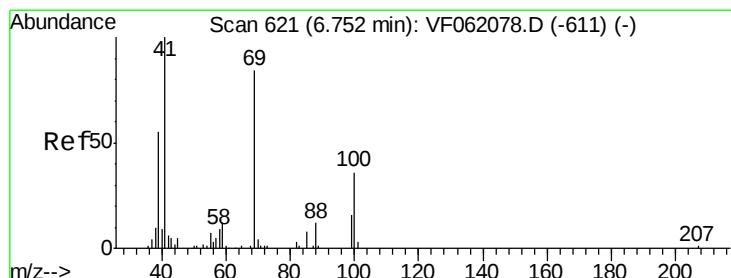
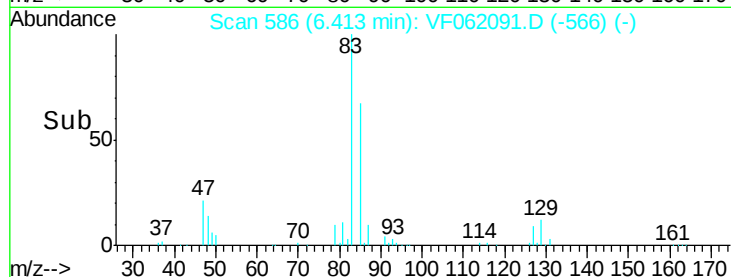
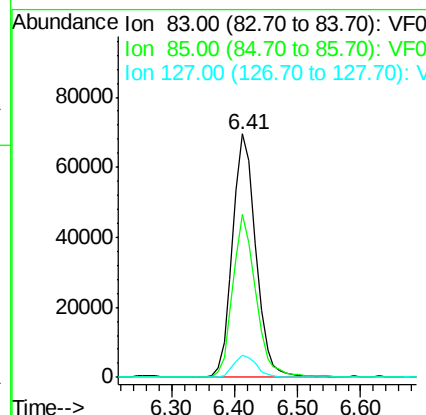
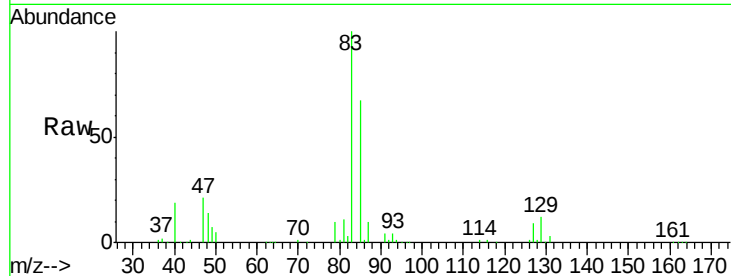
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	177748
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.7	76.1
127	8.9	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.902 ug/l

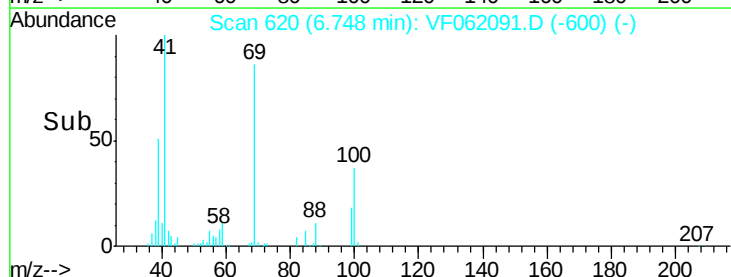
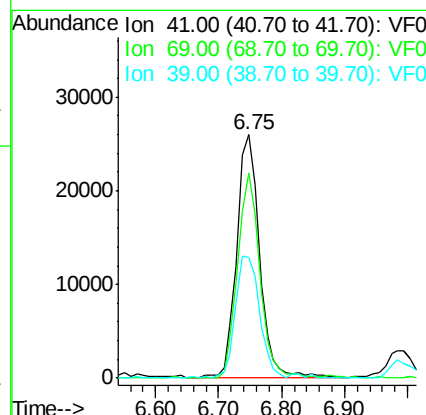
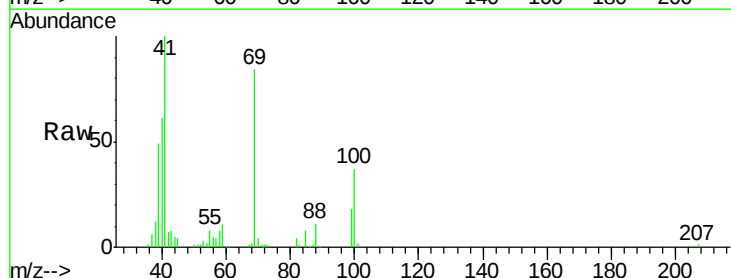
RT: 6.75 min Scan# 620

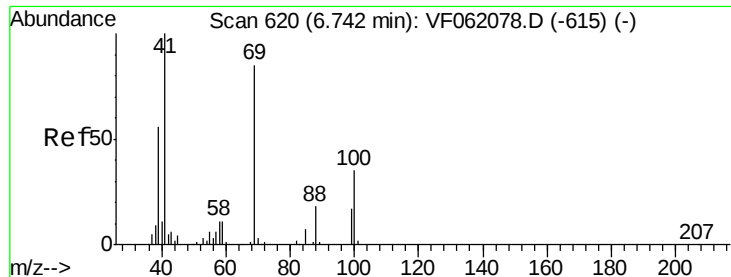
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	41	Resp:	65370
Ion	Ratio	Lower	Upper
41	100		
69	84.1	66.6	100.0
39	49.5	43.6	65.4





#49

1,4-Dioxane

Concen: 1107.397 ug/l

RT: 6.74 min Scan# 619

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

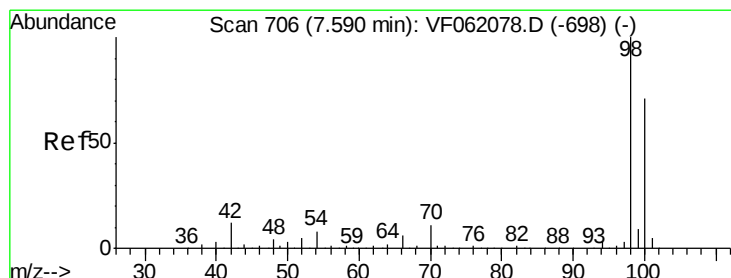
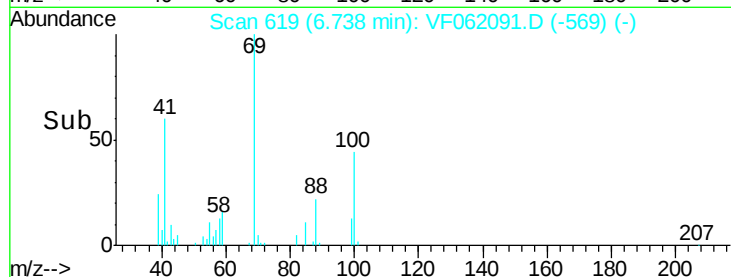
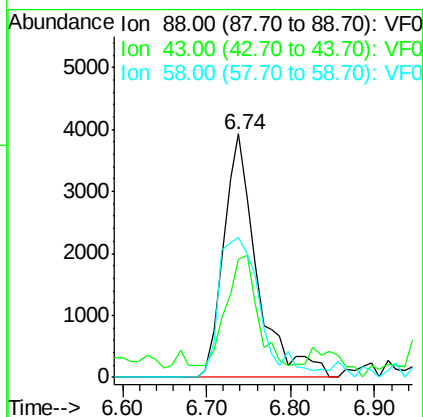
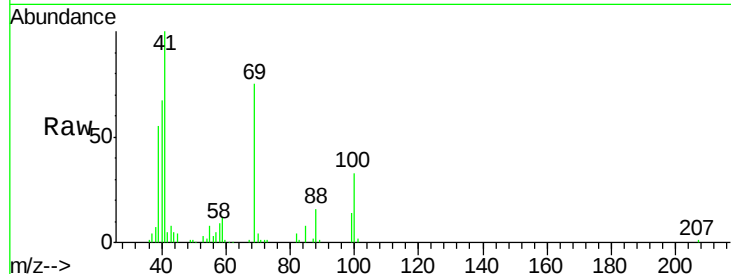
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	10784
Ion	Ratio	Lower	Upper
88	100		
43	48.7	35.0	52.4
58	57.4	49.9	74.9

Manual Integrations
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#50

Toluene-d8

Concen: 52.946 ug/l

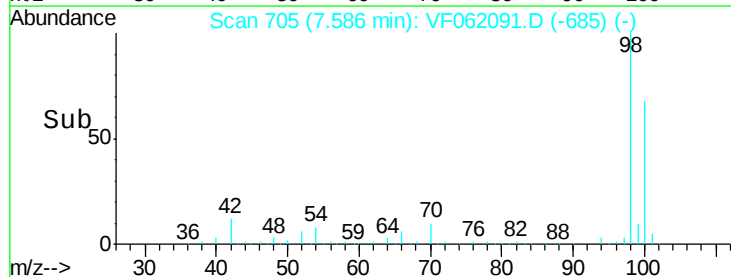
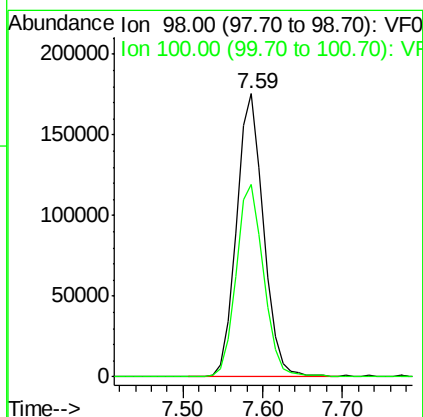
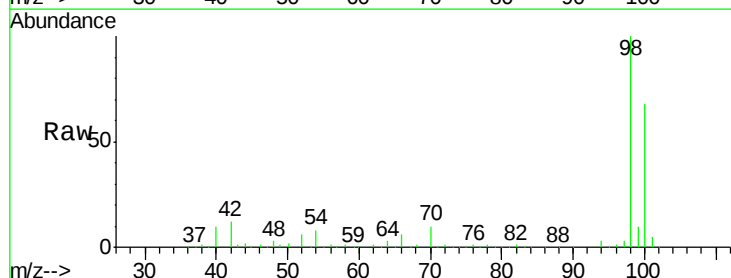
RT: 7.59 min Scan# 705

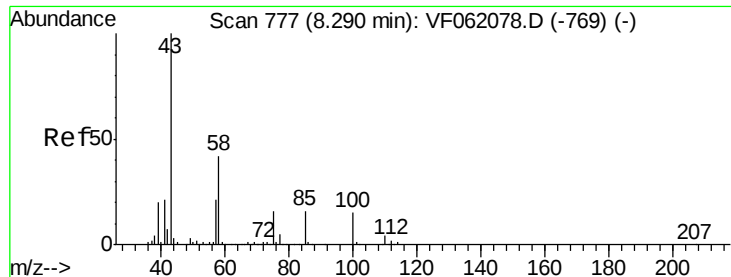
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	98	Resp:	413369
Ion	Ratio	Lower	Upper
98	100		
100	68.2	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 276.222 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 360359

Ion Ratio Lower Upper

43 100

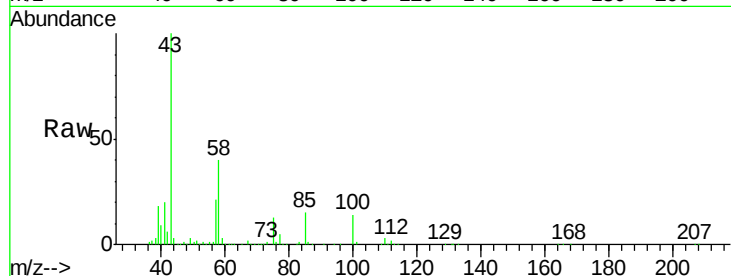
58 40.2 33.8 50.8

Manual Integrations

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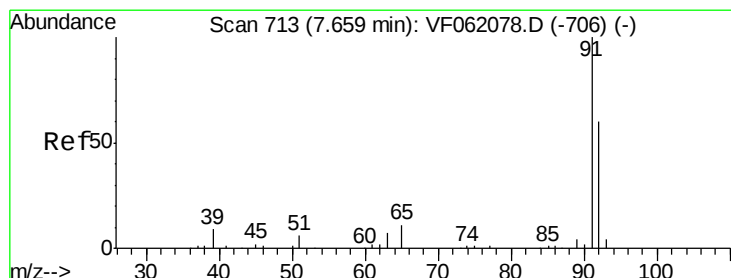
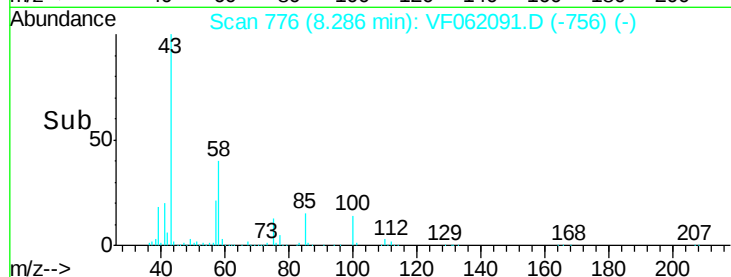
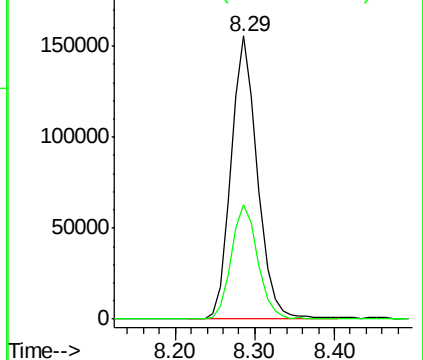
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 55.582 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.00 min

Lab File: VF062091.D

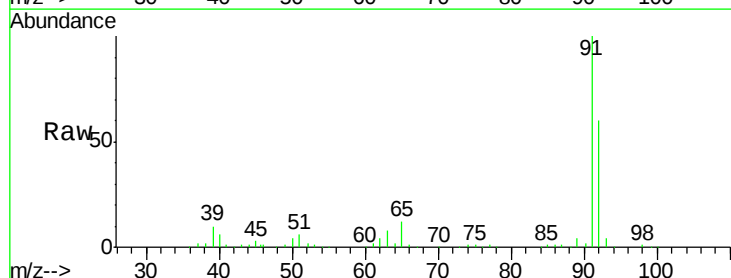
Acq: 22 Mar 2019 19:46

Tgt Ion: 92 Resp: 317843

Ion Ratio Lower Upper

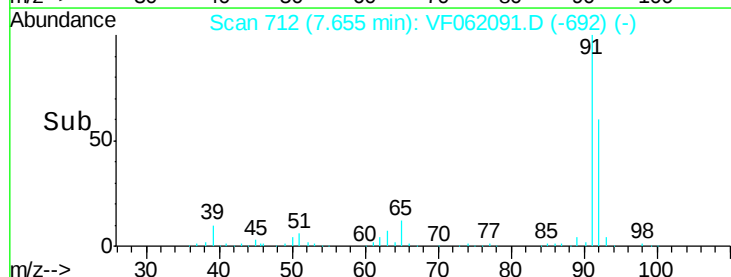
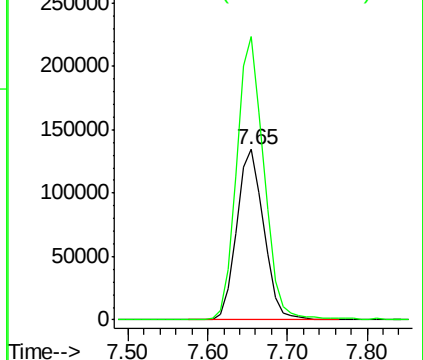
92 100

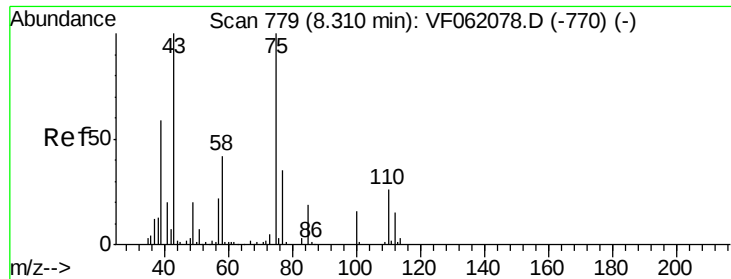
91 166.2 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





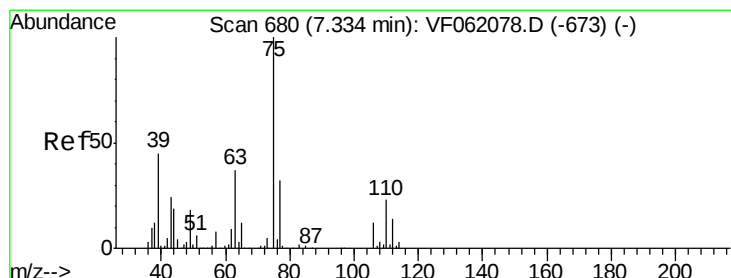
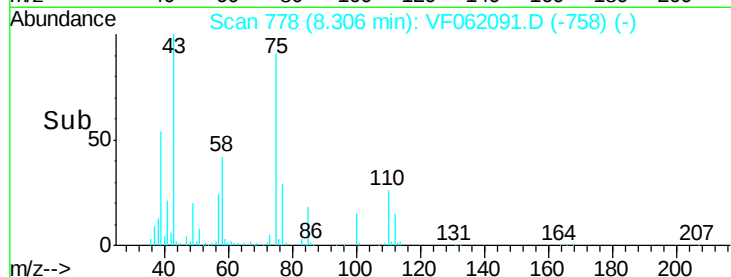
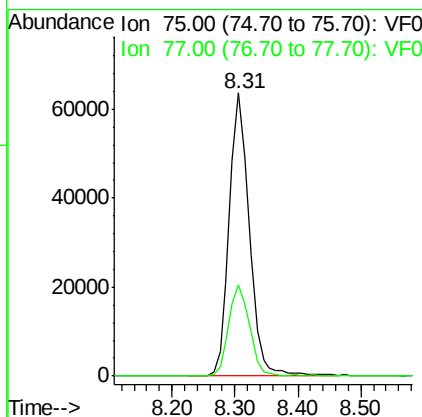
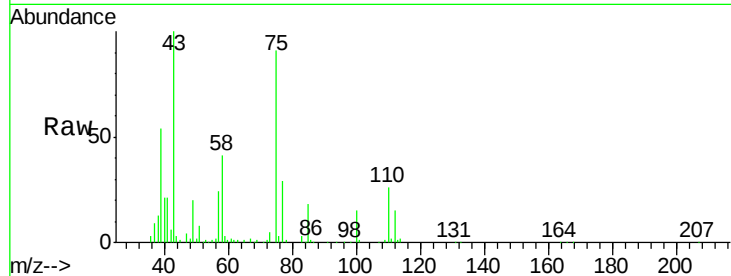
#53
t-1,3-Dichloropropene
Concen: 56.261 ug/l
RT: 8.31 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	28.0	42.0

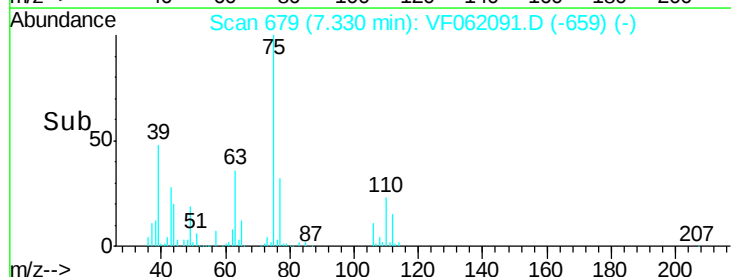
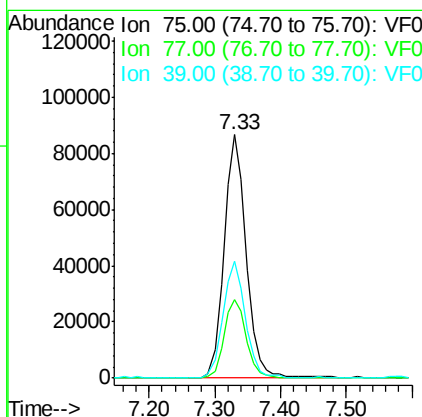
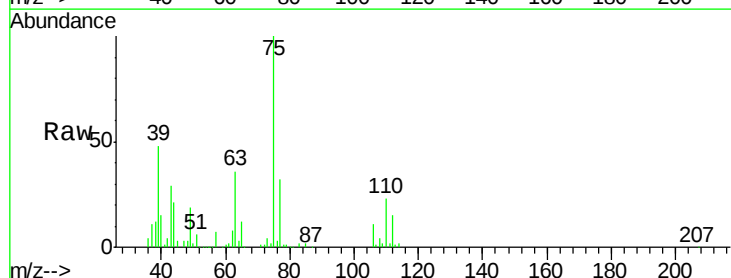
Manual Integrations
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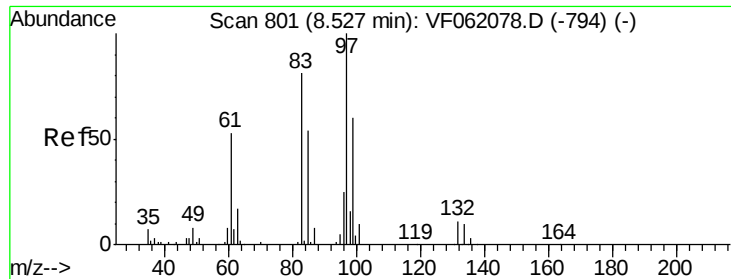
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#54
cis-1,3-Dichloropropene
Concen: 56.940 ug/l
RT: 7.33 min Scan# 679
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	48.2	35.9	53.9





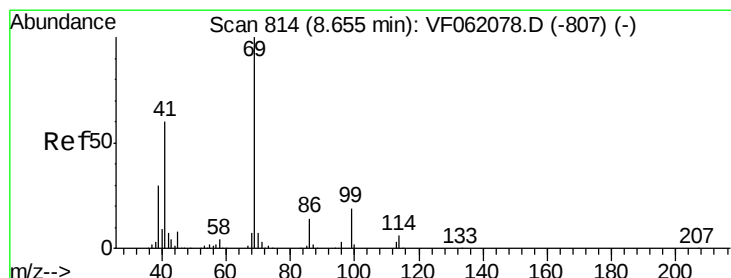
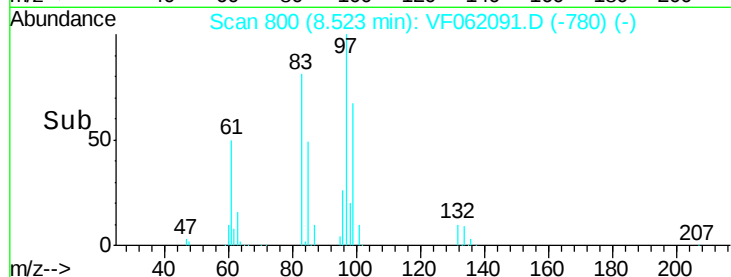
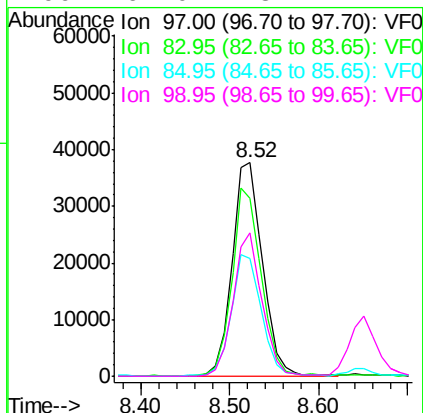
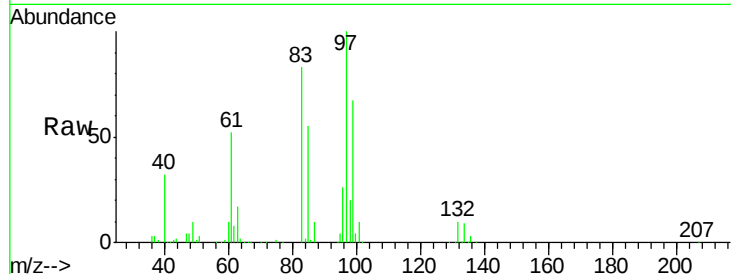
#55
 1,1,2-Trichloroethane
 Concen: 55.250 ug/l
 RT: 8.52 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	89742
Ion	Ratio	Lower	Upper
97	100		
83	83.5	64.6	97.0
85	55.2	43.6	65.4
99	67.0	48.2	72.2

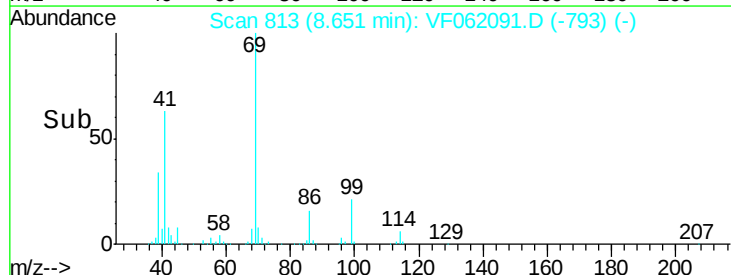
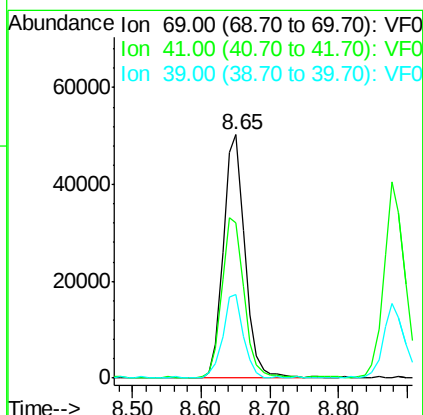
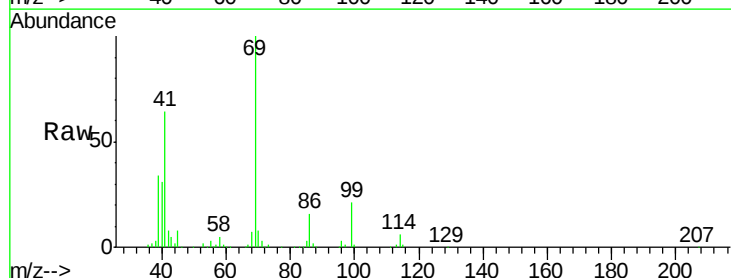
Manual Integrations
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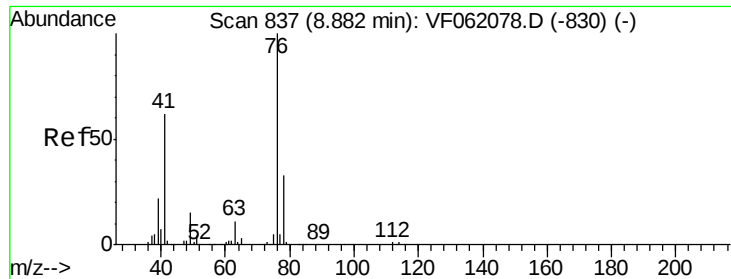
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#56
 Ethyl methacrylate
 Concen: 56.520 ug/l
 RT: 8.65 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion:	69	Resp:	109487
Ion	Ratio	Lower	Upper
69	100		
41	63.7	48.2	72.2
39	34.4	24.0	36.0





#57

1,3-Dichloropropane

Concen: 55.732 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 150244

Ion Ratio Lower Upper

76 100

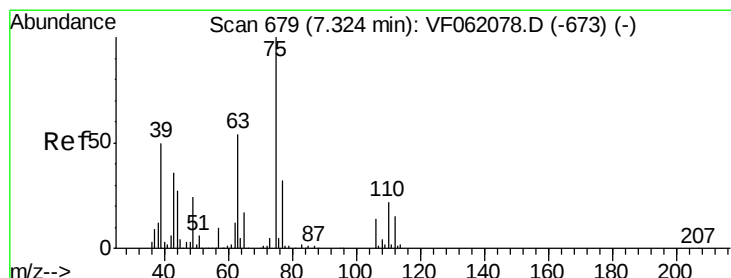
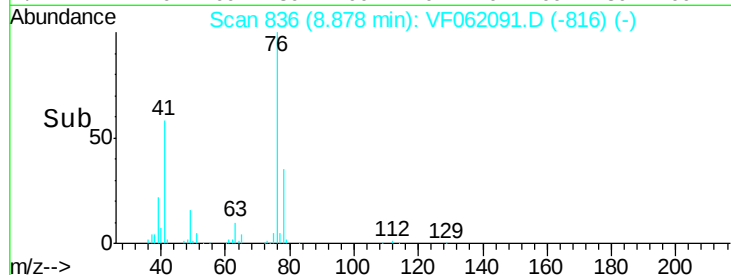
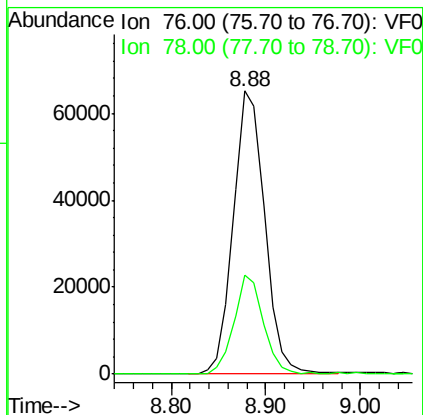
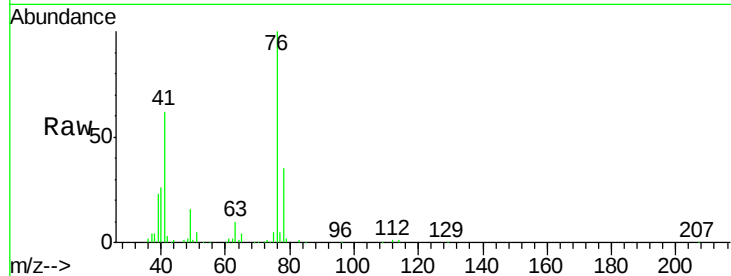
78 35.1 26.6 39.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 271.824 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF062091.D

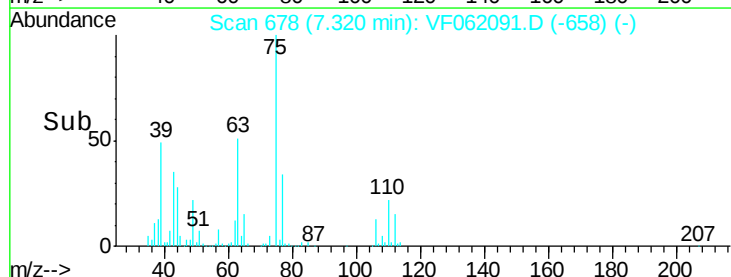
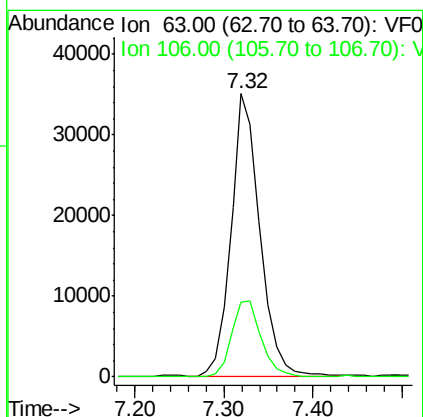
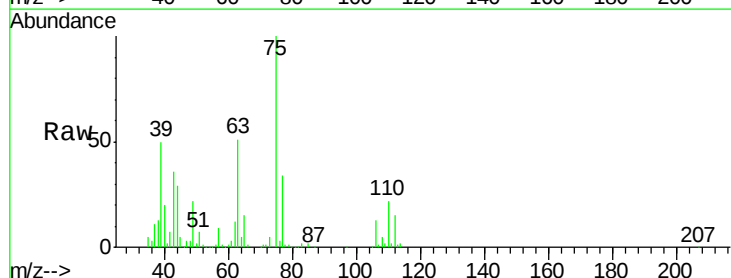
Acq: 22 Mar 2019 19:46

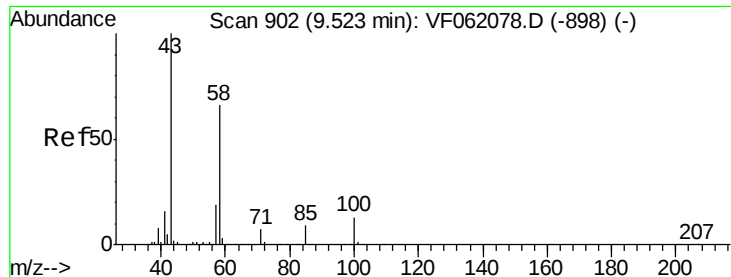
Tgt Ion: 63 Resp: 79902

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





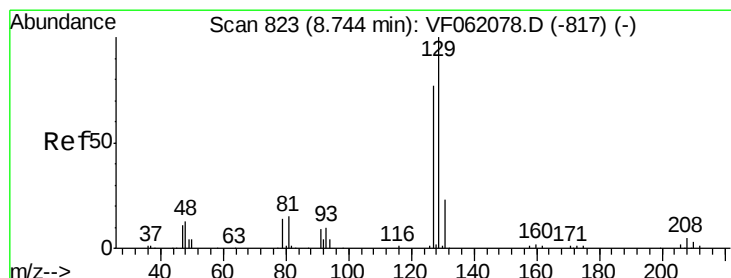
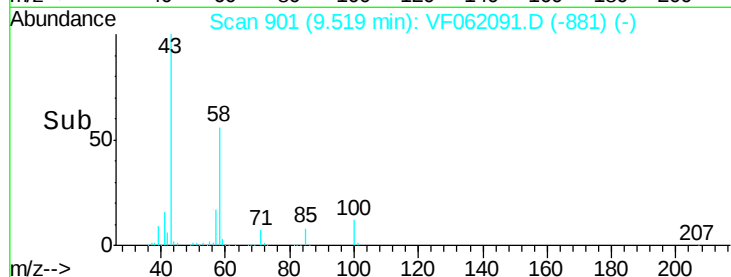
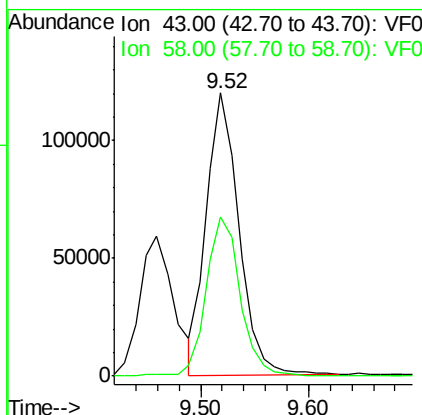
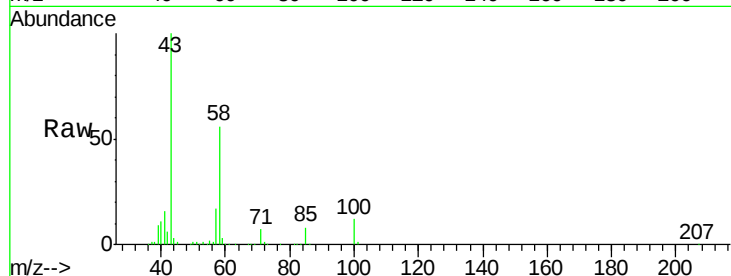
#59
2-Hexanone
Concen: 261.792 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 250313
Ion Ratio Lower Upper
43 100
58 56.1 28.8 86.4

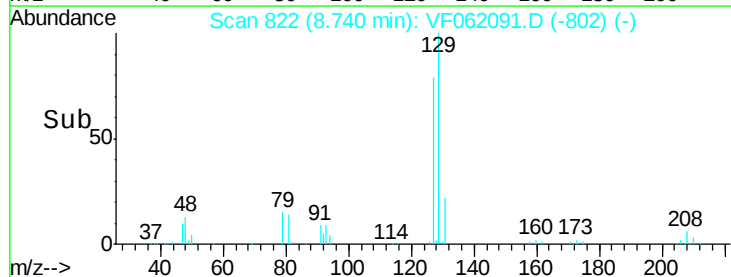
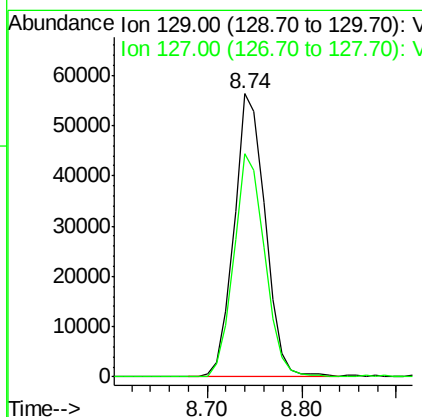
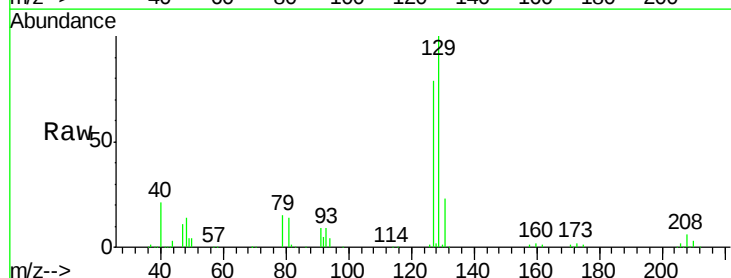
Manual Integrations
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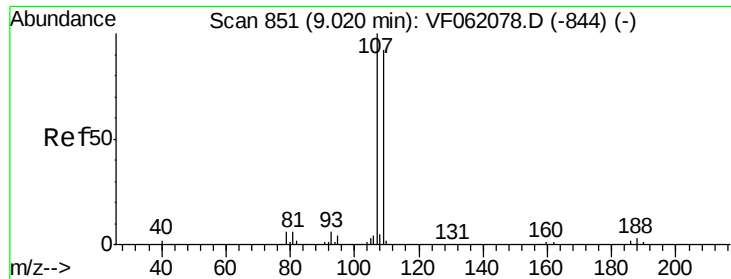
MMDadoda
3/27/2019 11:57:21 AM



#60
Dibromochloromethane
Concen: 56.920 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 129 Resp: 128529
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 59.112 ug/l

RT: 9.02 min Scan# 850

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 102437

Ion Ratio Lower Upper

107 100

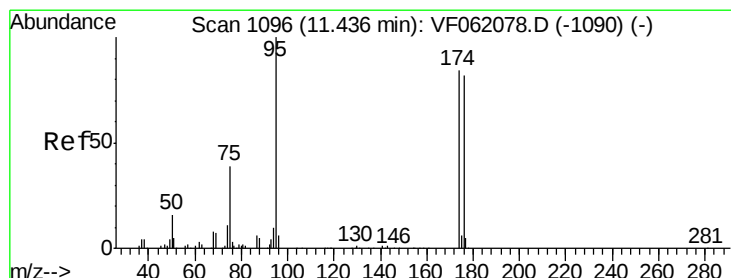
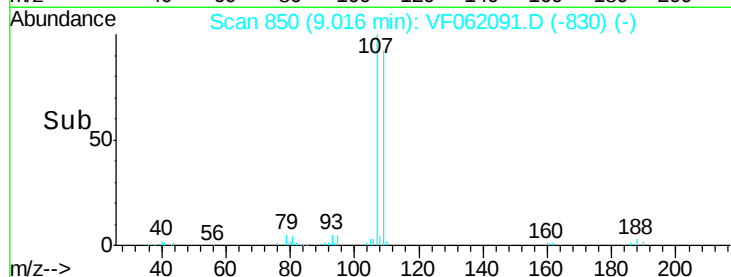
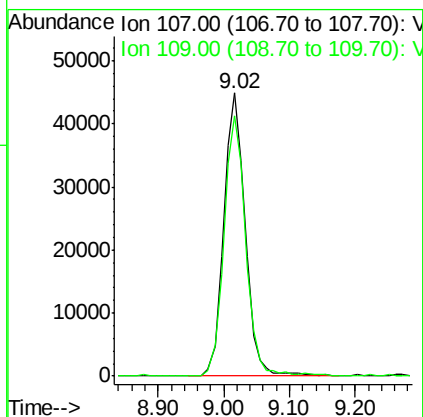
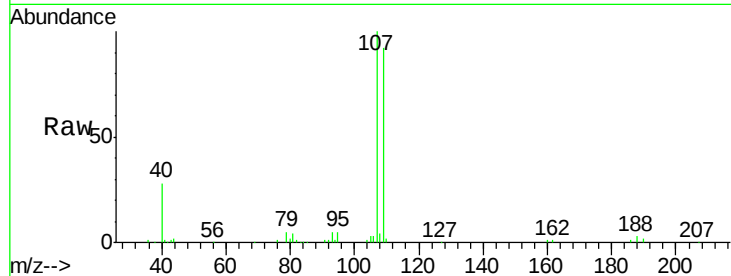
109 91.8 73.4 110.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.803 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

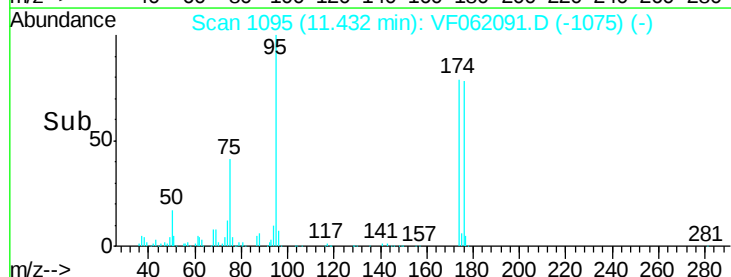
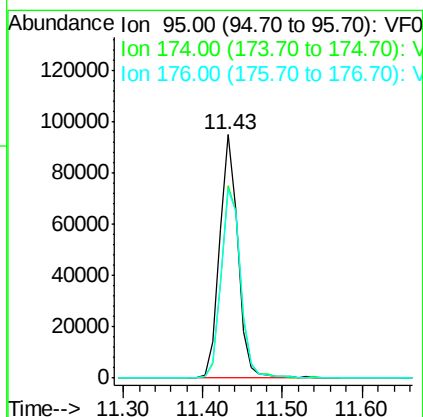
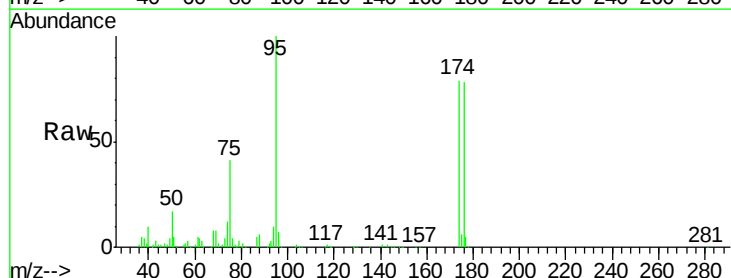
Tgt Ion: 95 Resp: 156136

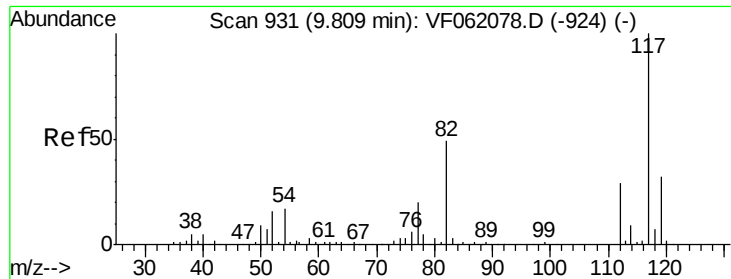
Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.2

176 77.7 0.0 164.2





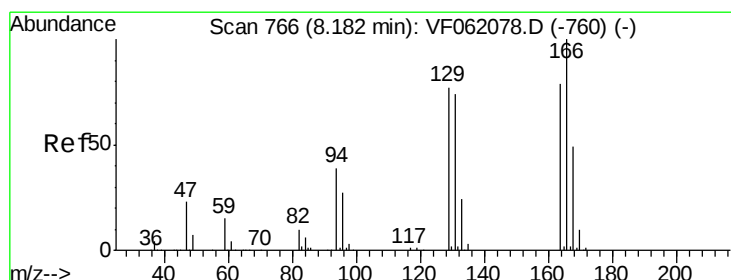
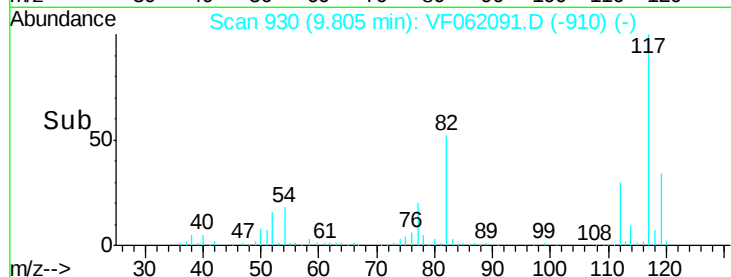
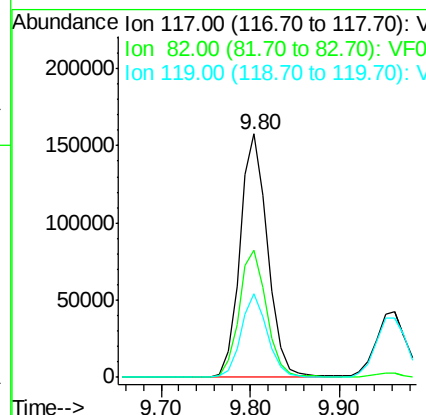
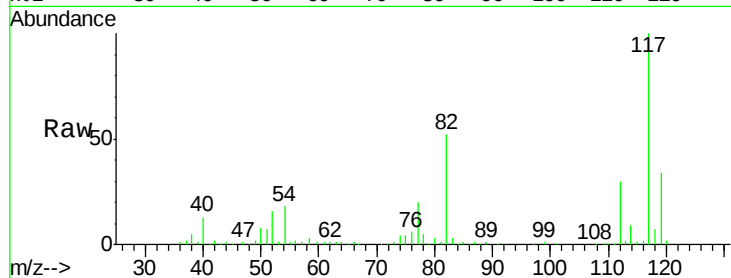
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	39.2	58.8
119	34.1	25.4	38.2

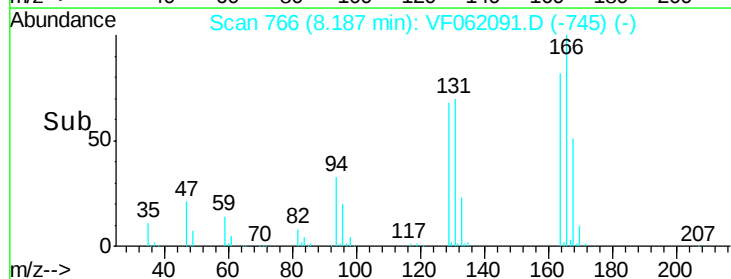
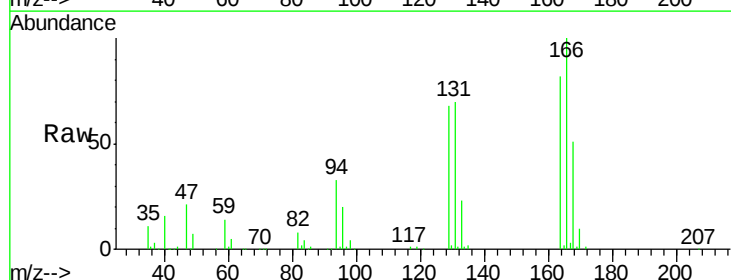
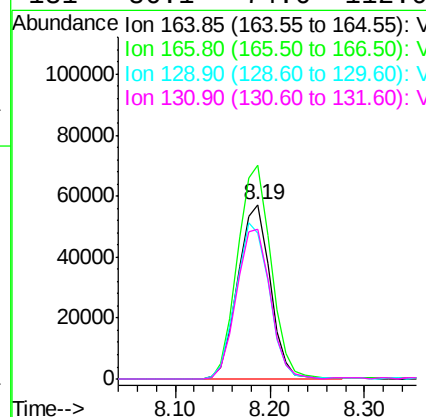
Manual Integrations
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#64
Tetrachloroethene
Concen: 51.963 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.9	151.3
129	83.7	77.9	116.9
131	86.1	74.6	112.0





#65

Chlorobenzene

Concen: 55.089 ug/l

RT: 9.82 min Scan# 932

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 350325

Ion Ratio Lower Upper

112 100

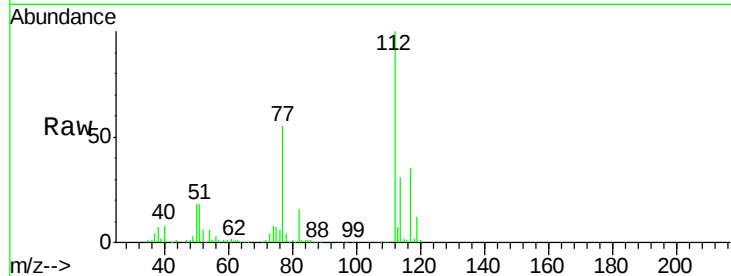
114 31.0 26.0 39.0

Manual Integrations

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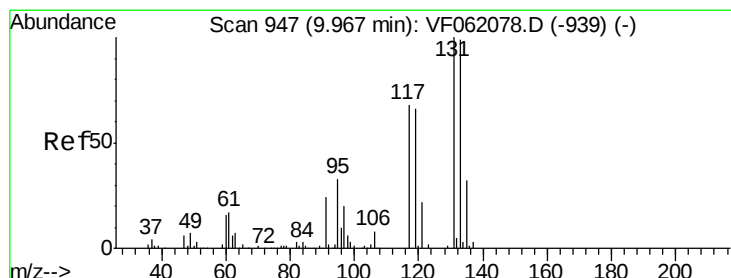
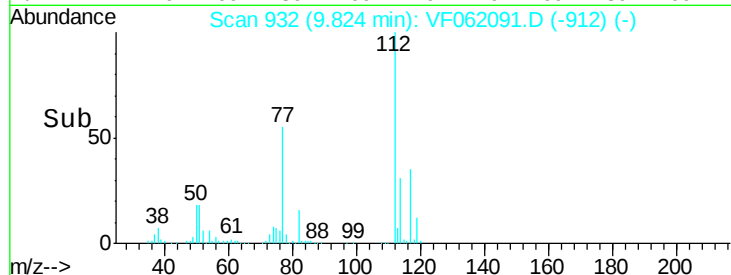
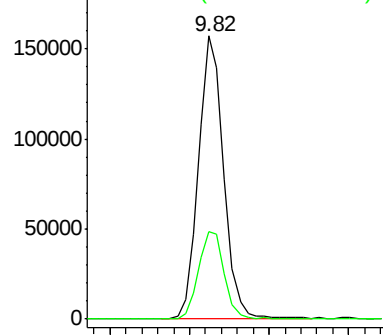
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.388 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

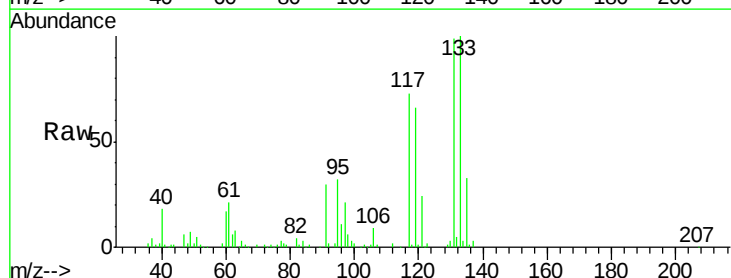
Tgt Ion:131 Resp: 136375

Ion Ratio Lower Upper

131 100

133 100.9 49.3 147.8

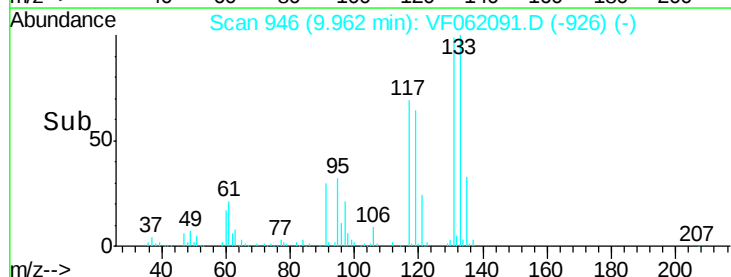
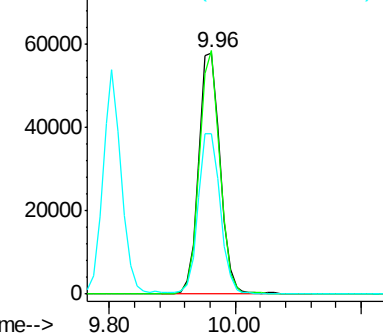
119 66.3 33.5 100.4

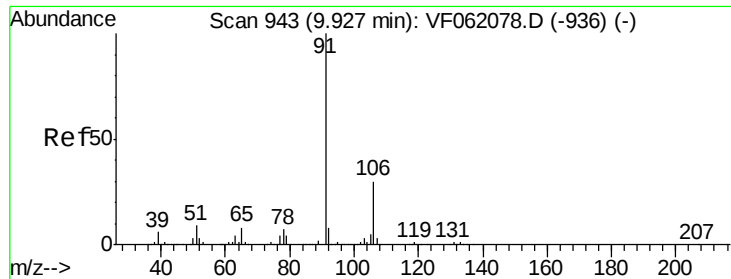


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





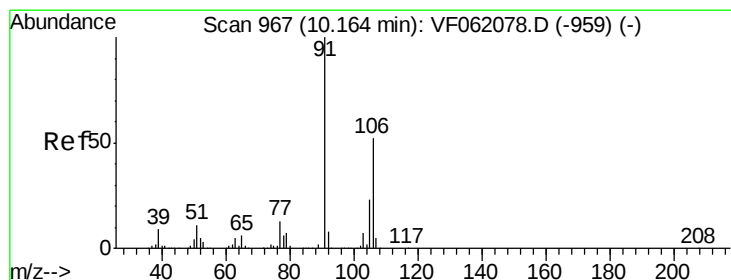
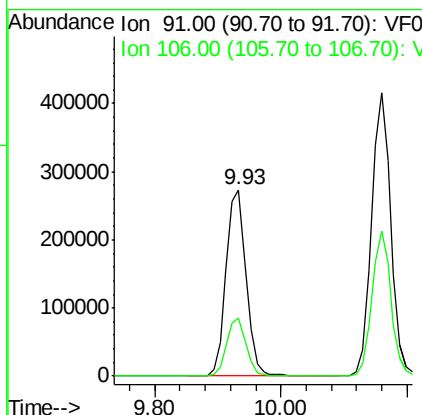
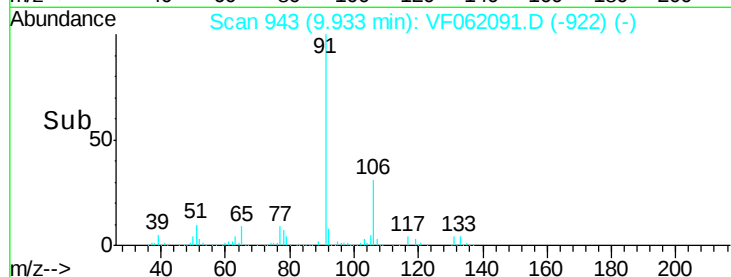
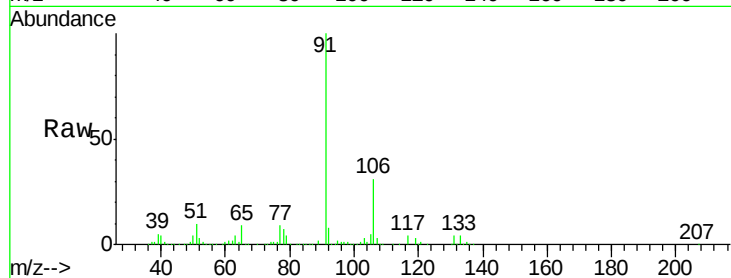
#67
Ethyl Benzene
Concen: 54.546 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 603241
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0

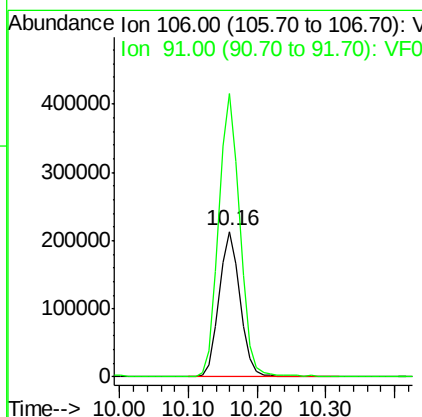
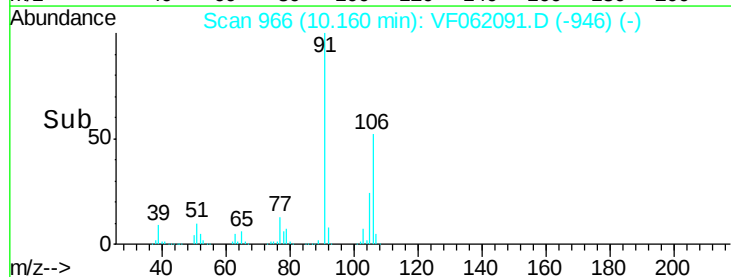
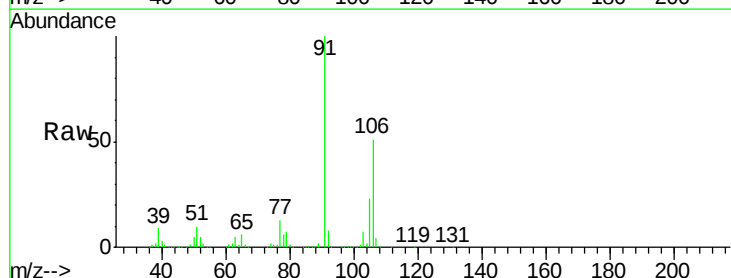
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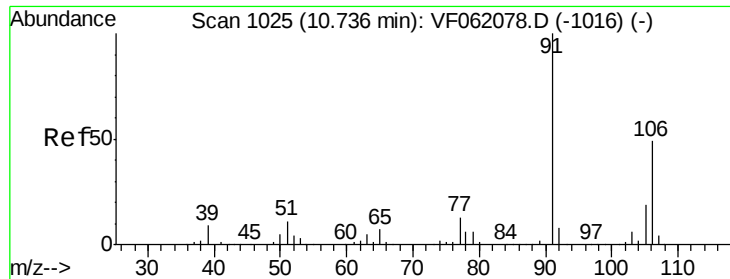
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#68
m/p-Xylenes
Concen: 109.050 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion: 106 Resp: 450757
Ion Ratio Lower Upper
106 100
91 194.4 154.4 231.6





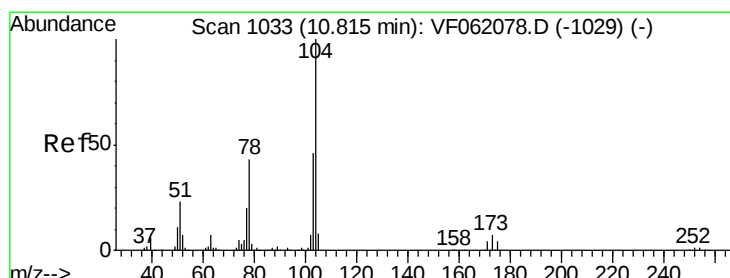
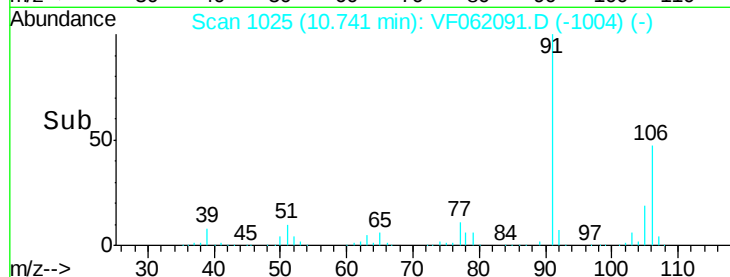
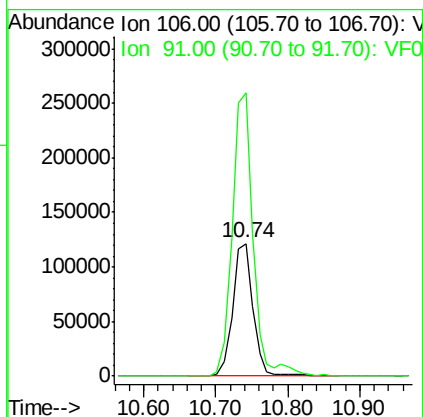
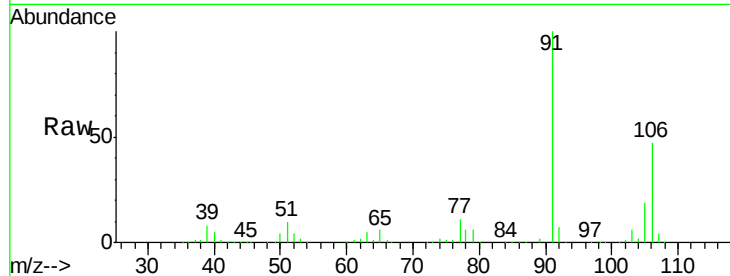
#69
o-Xylene
Concen: 54.947 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 237879
Ion Ratio Lower Upper
106 100
91 213.2 102.6 307.8

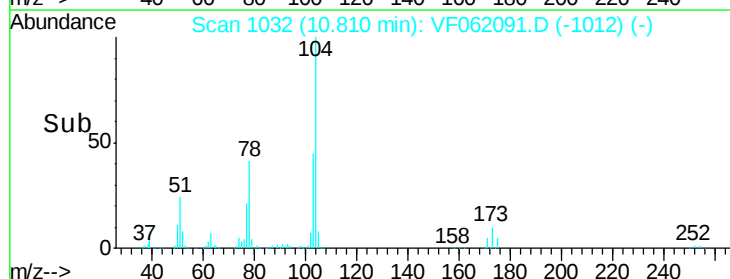
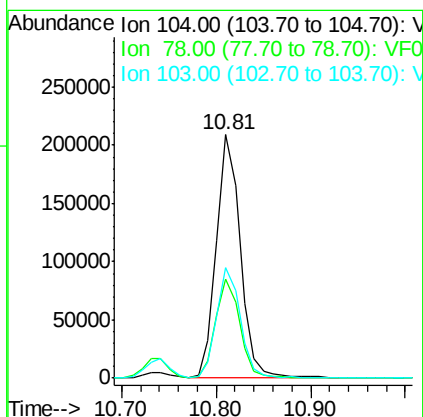
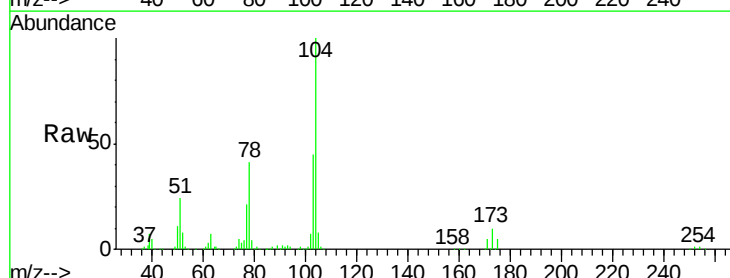
Manual Integrations
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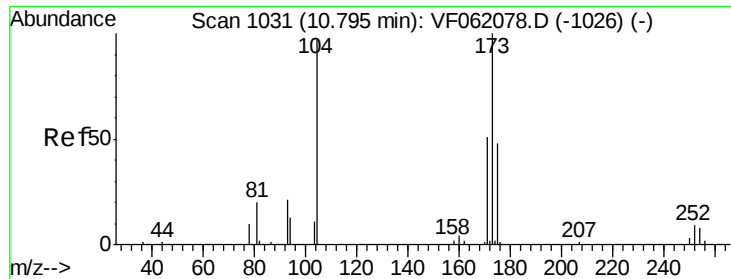
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#70
Styrene
Concen: 56.245 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion:104 Resp: 368933
Ion Ratio Lower Upper
104 100
78 40.8 34.3 51.5
103 45.5 36.9 55.3





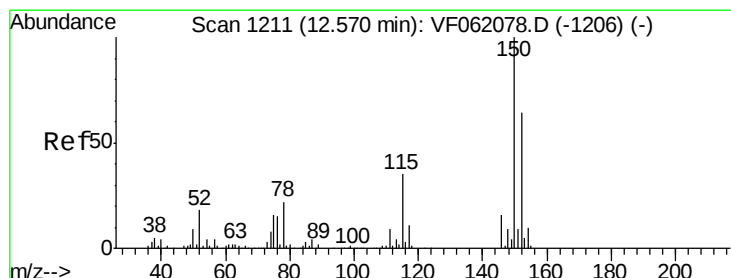
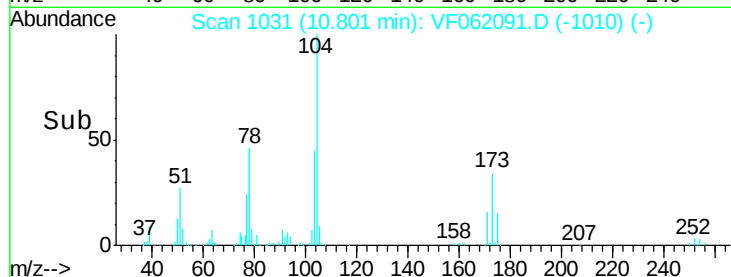
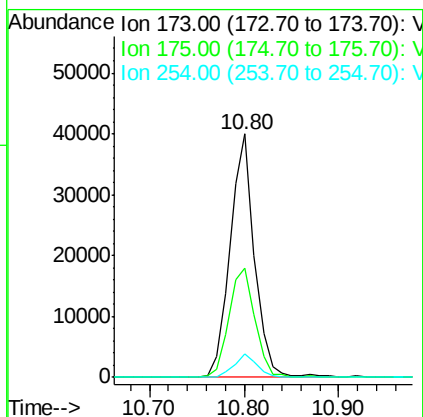
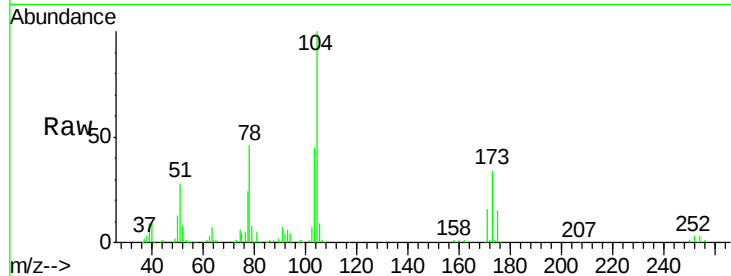
#71
Bromoform
Concen: 54.437 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.9	24.1	72.4
254	9.5	6.2	9.4#

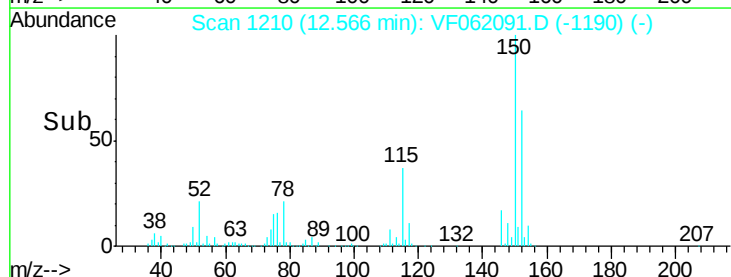
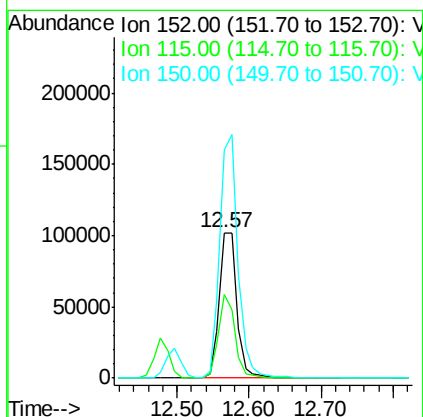
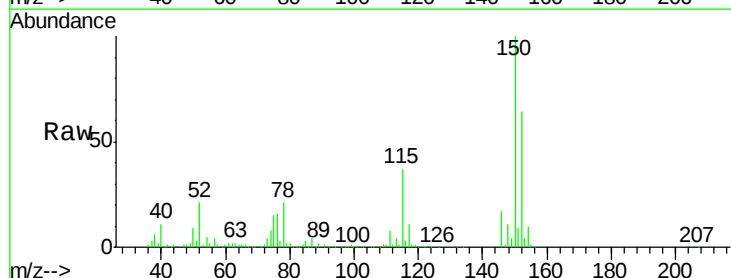
Manual Integrations
APPROVED

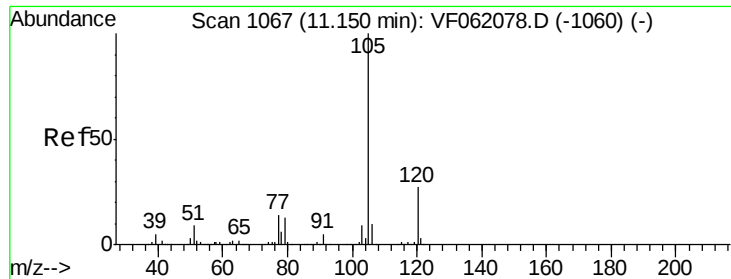
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	27.7	83.1
150	157.1	0.0	313.2





#73

Isopropylbenzene

Concen: 56.696 ug/l

RT: 11.15 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 681232

Ion Ratio Lower Upper

105 100

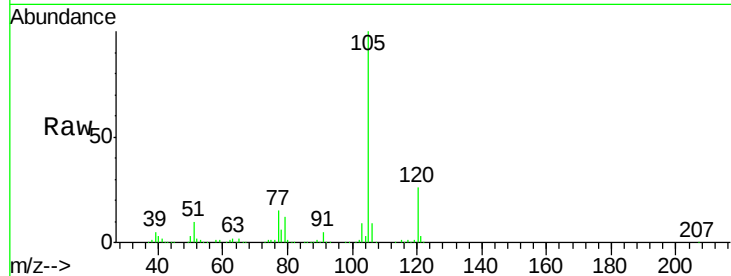
120 26.4 13.8 41.3

Manual Integrations

APPROVED

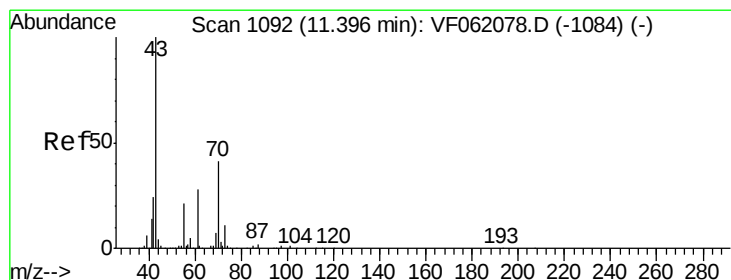
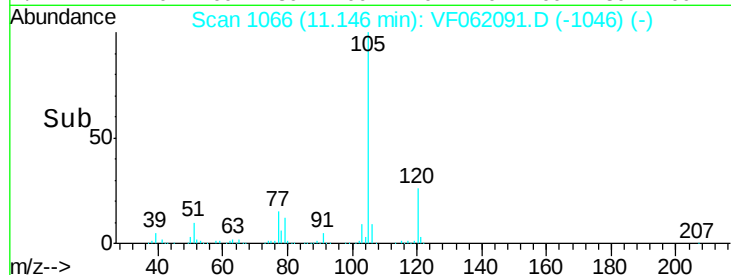
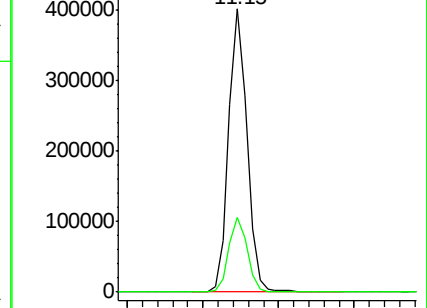
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.409 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion: 43 Resp: 161499

Ion Ratio Lower Upper

43 100

70 39.8 32.9 49.3

55 20.5 17.1 25.7

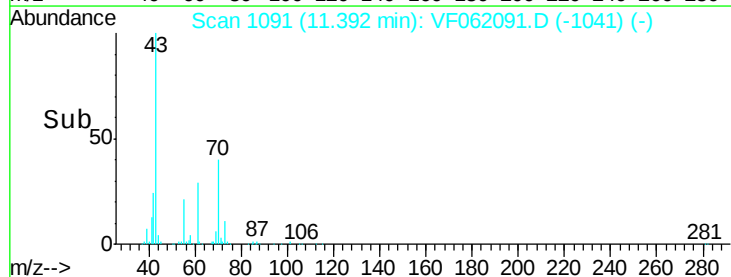
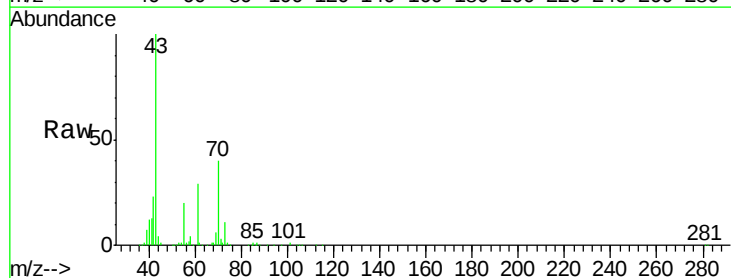
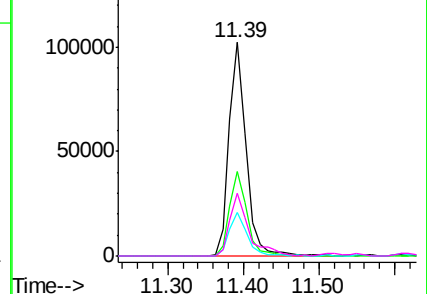
61 29.3 22.2 33.2

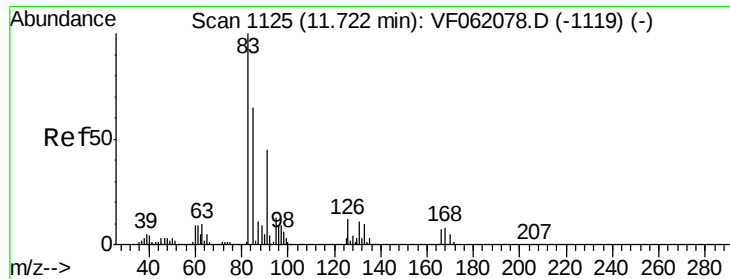
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.461 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

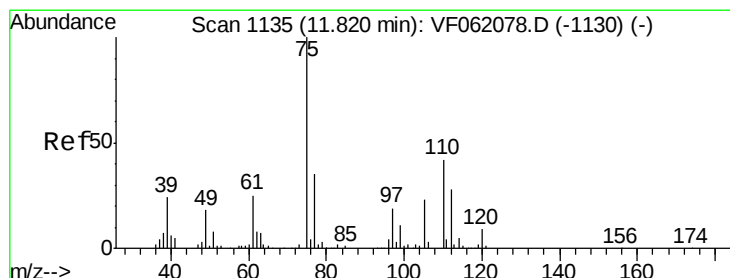
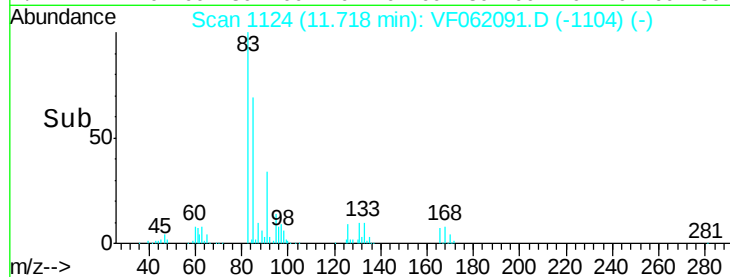
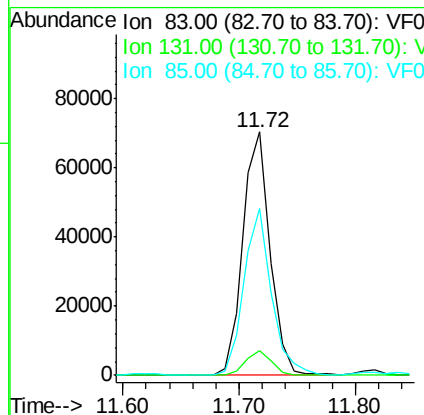
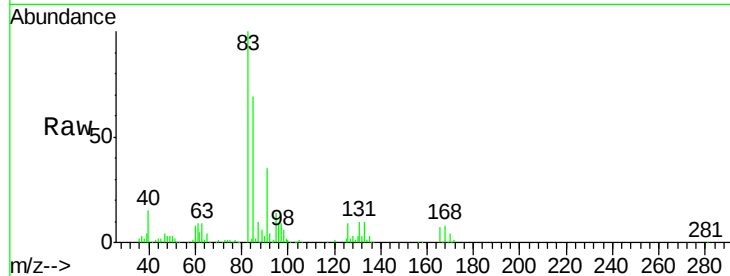
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	114421
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	68.7	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.862 ug/l

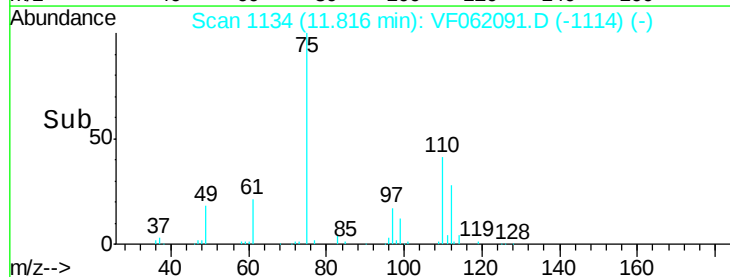
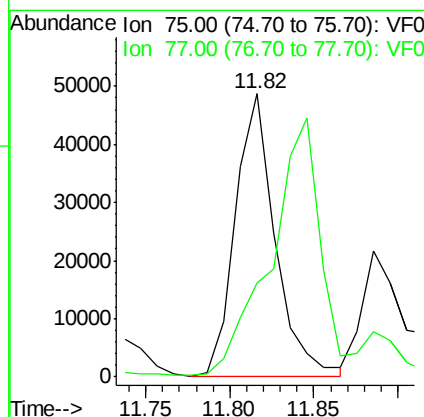
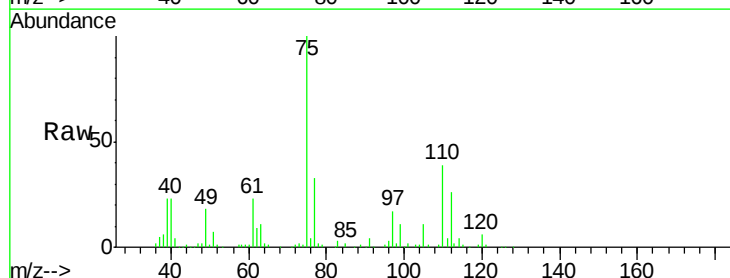
RT: 11.82 min Scan# 1134

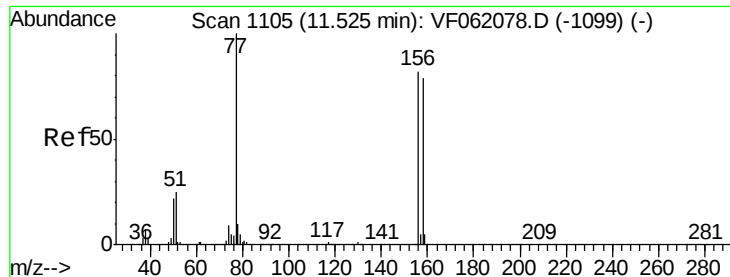
Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Tgt Ion:	75	Resp:	79655
Ion Ratio	Lower	Upper	
75	100		
77	33.1	17.8	53.3





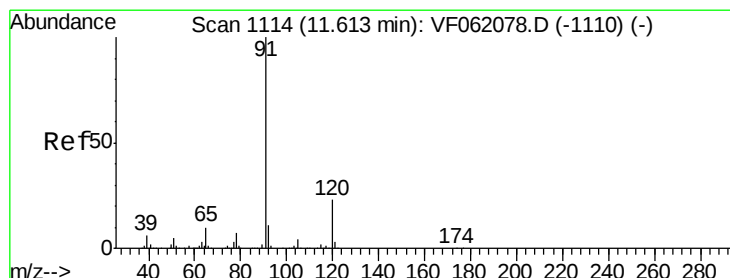
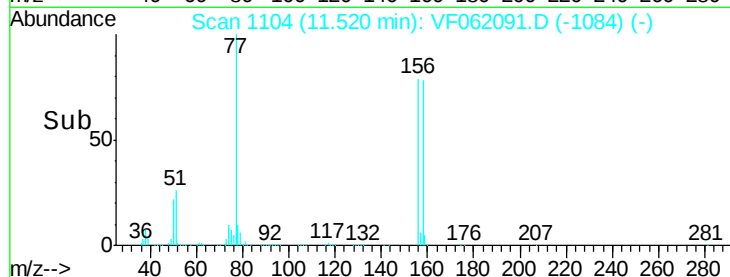
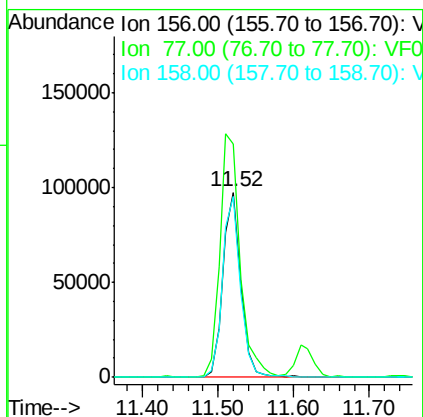
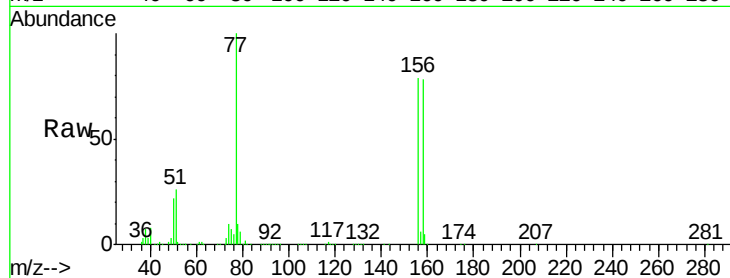
#77
Bromobenzene
Concen: 54.788 ug/l
RT: 11.52 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	126.2	61.3	183.9	
158	97.9	48.6	145.9	

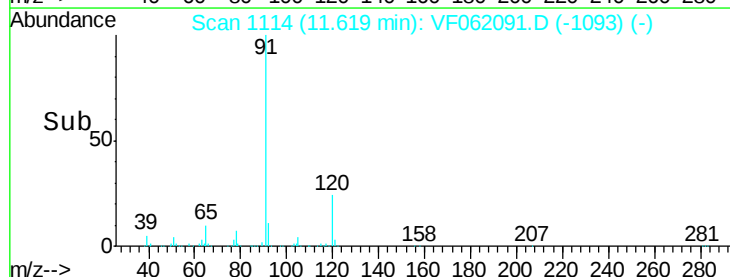
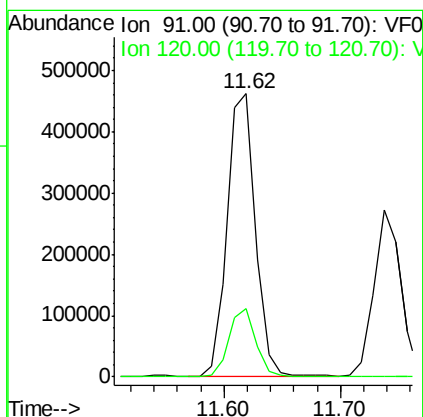
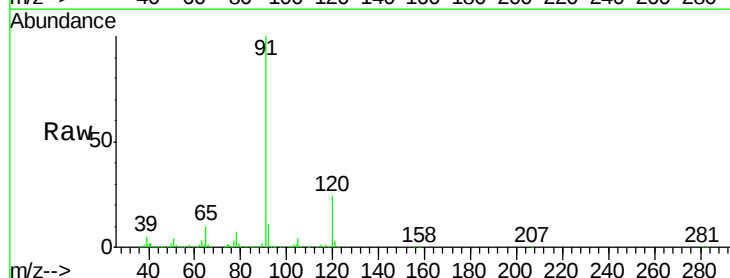
Manual Integrations
APPROVED

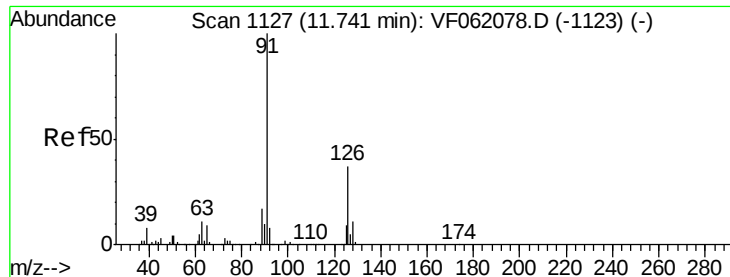
MMDadoda
3/27/2019 11:57:21 AM



#78
n-propylbenzene
Concen: 55.506 ug/l
RT: 11.62 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	11.3	33.8	





#79

2-Chlorotoluene

Concen: 56.208 ug/l

RT: 11.74 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 435892

Ion Ratio Lower Upper

91 100

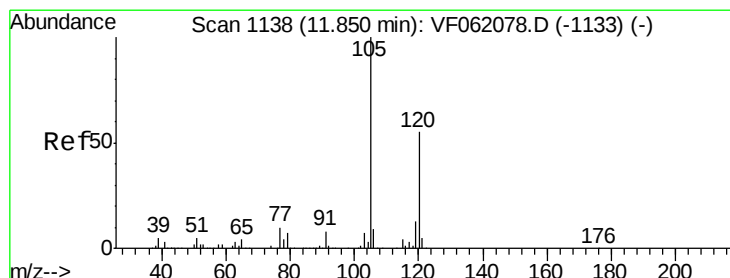
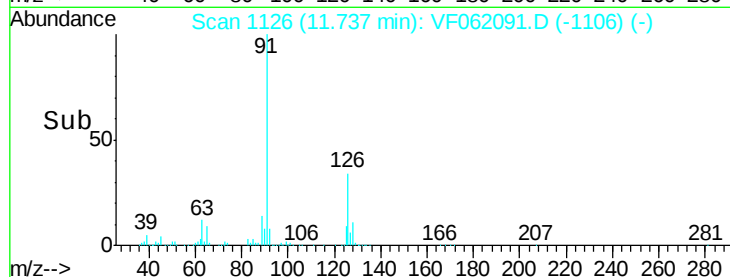
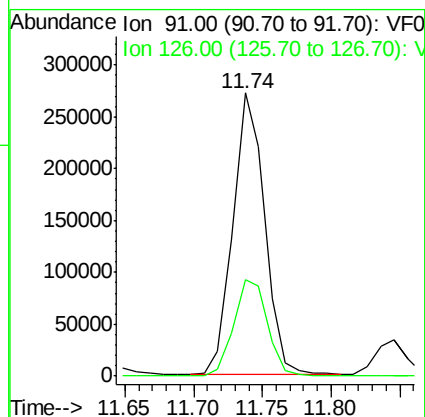
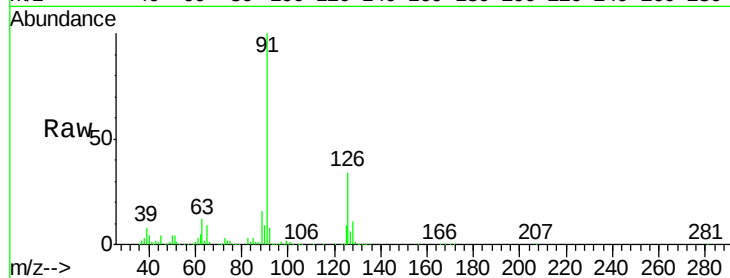
126 34.0 18.3 54.8

Manual Integrations

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MMDadoda

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#80

1,3,5-Trimethylbenzene

Concen: 55.198 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VF062091.D

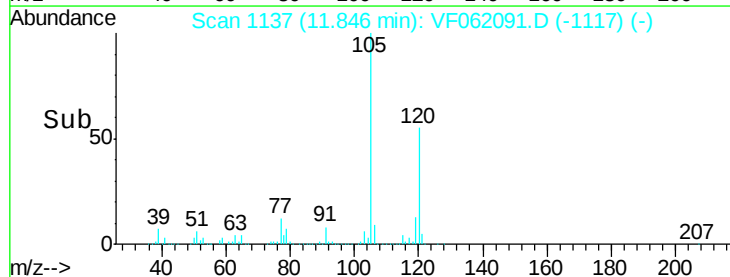
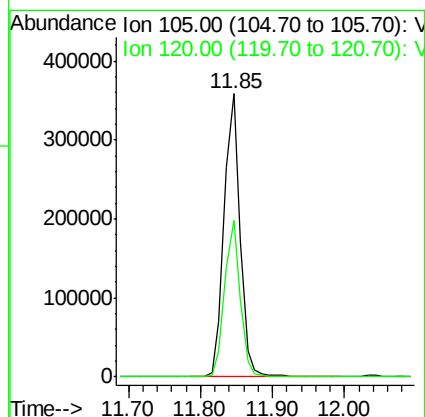
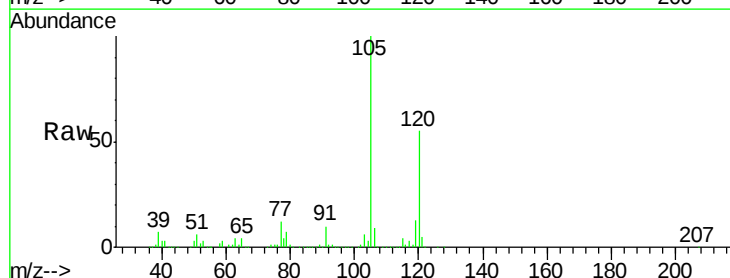
Acq: 22 Mar 2019 19:46

Tgt Ion: 105 Resp: 545535

Ion Ratio Lower Upper

105 100

120 55.2 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.421 ug/l m

RT: 11.89 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 31605

Ion Ratio Lower Upper

75 100

53 66.6 49.4 74.0

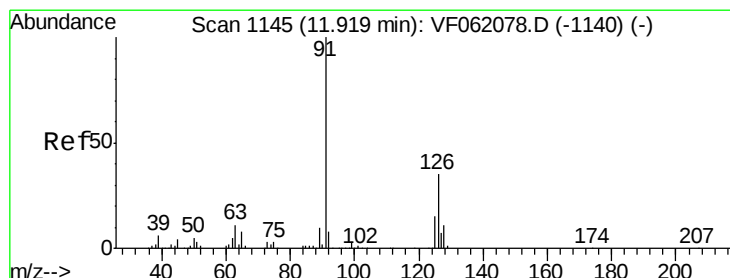
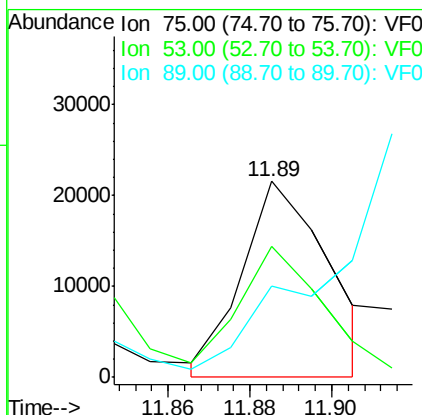
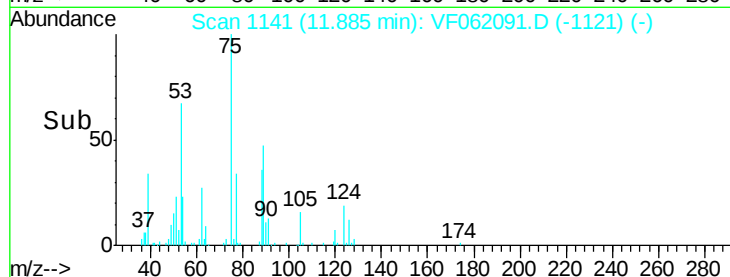
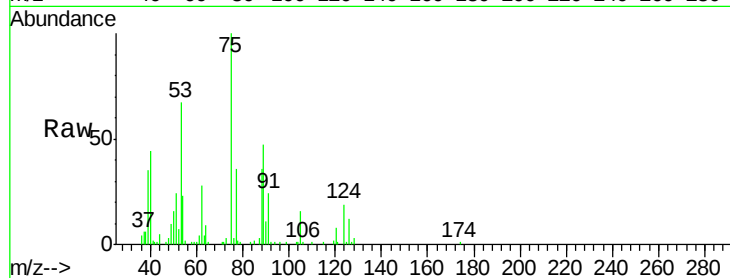
89 46.5 40.6 60.8

Manual Integrations

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MMDadoda

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#82

4-Chlorotoluene

Concen: 55.602 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF062091.D

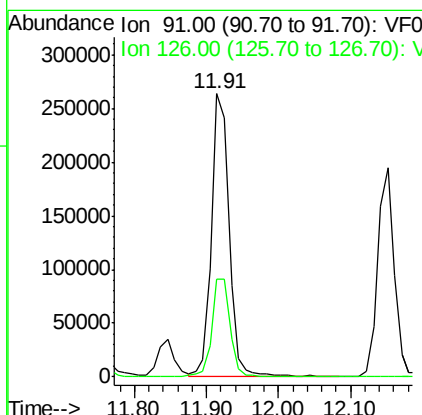
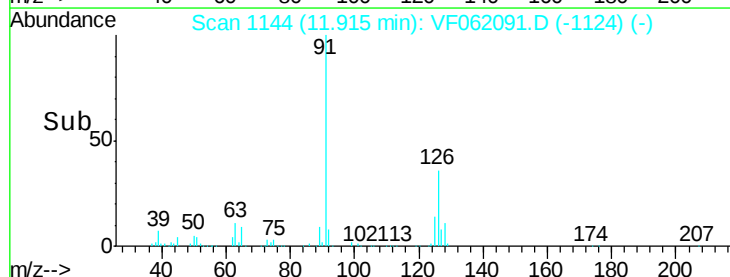
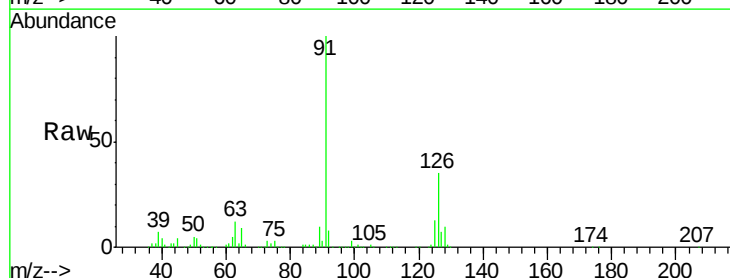
Acq: 22 Mar 2019 19:46

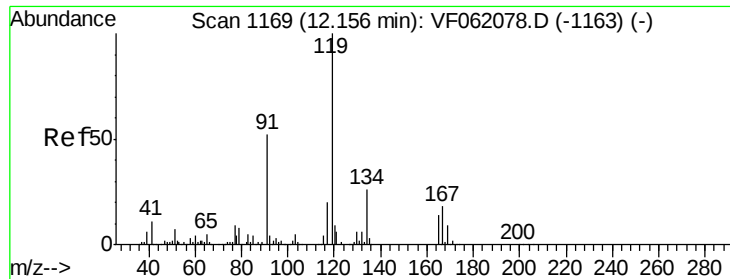
Tgt Ion: 91 Resp: 442113

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6





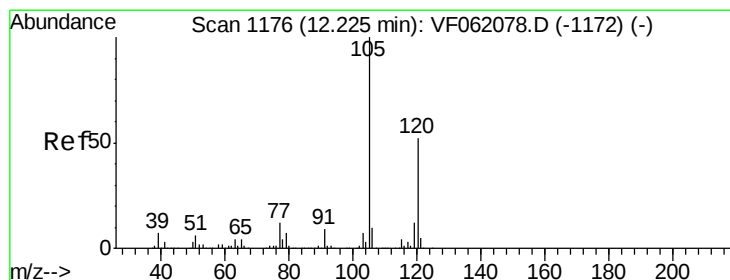
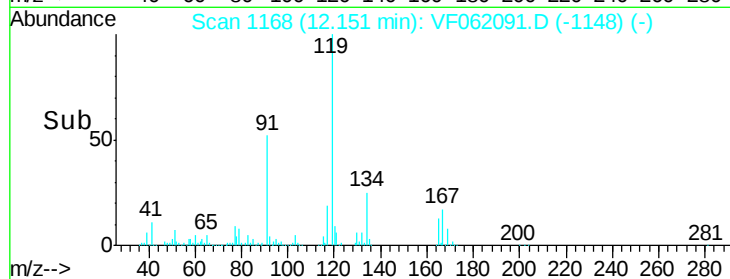
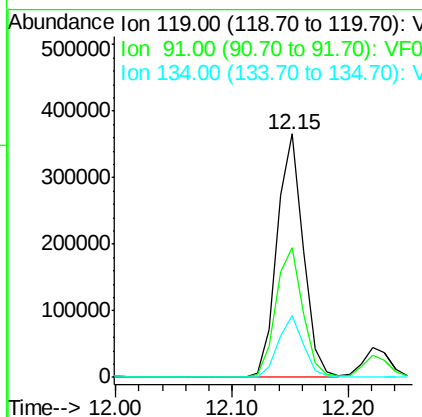
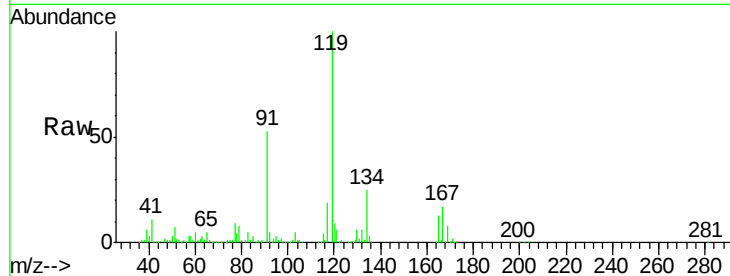
#83
 tert-Butylbenzene
 Concen: 55.062 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.3	26.1	78.2
134	25.2	12.8	38.4

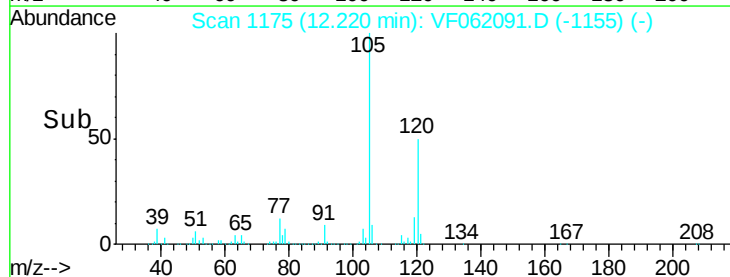
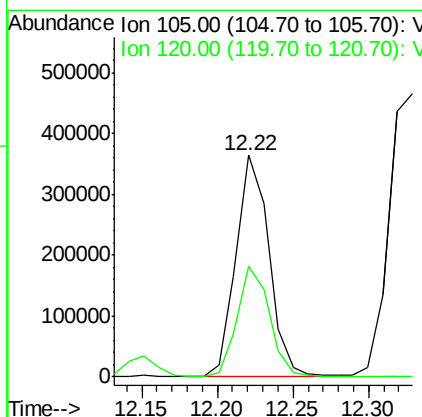
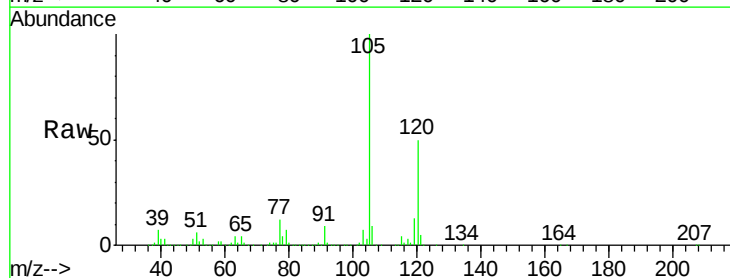
Manual Integrations
 APPROVED

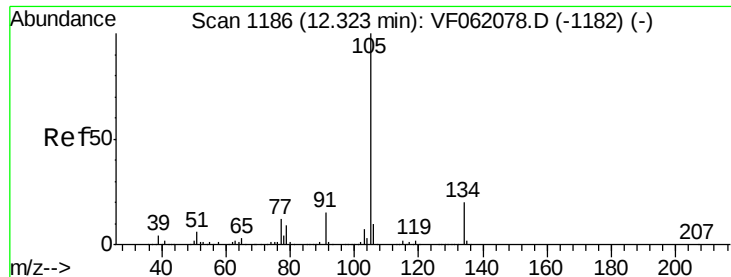
MMDadoda
 3/27/2019 11:57:21 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 57.134 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	26.1	78.2





#85

sec-Butylbenzene

Concen: 56.364 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 754383

Ion Ratio Lower Upper

105 100

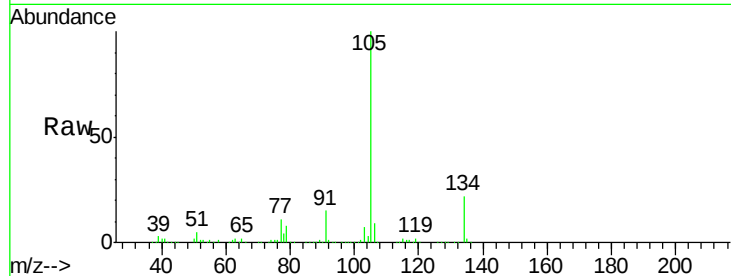
134 21.6 10.2 30.4

Manual Integrations

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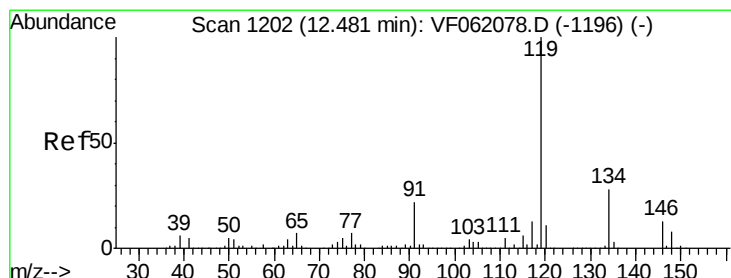
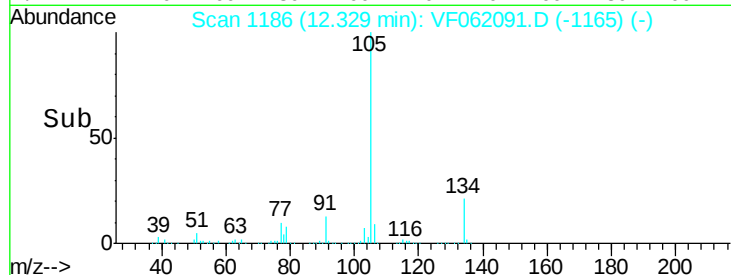
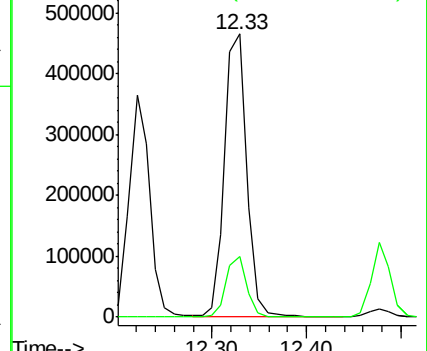
MMDadoda

3/27/2019 11:57:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.668 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062091.D

Acq: 22 Mar 2019 19:46

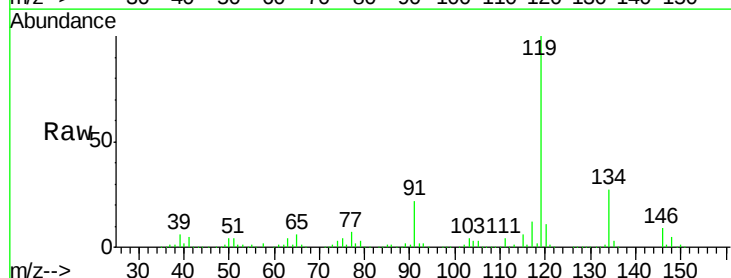
Tgt Ion:119 Resp: 657108

Ion Ratio Lower Upper

119 100

134 26.5 14.0 42.0

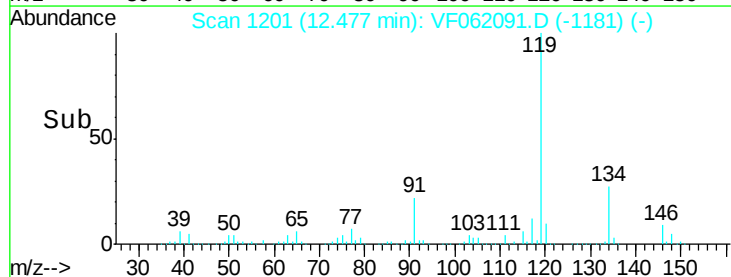
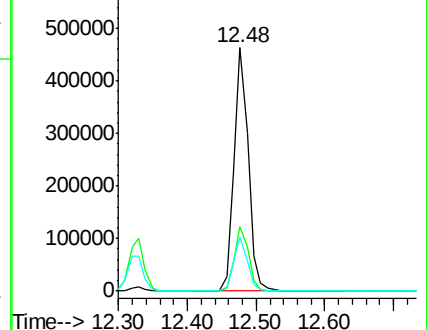
91 22.2 10.8 32.4

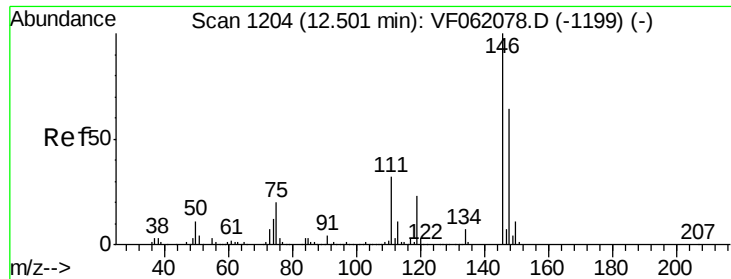


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





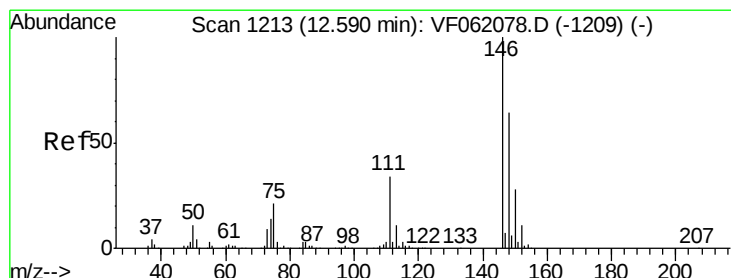
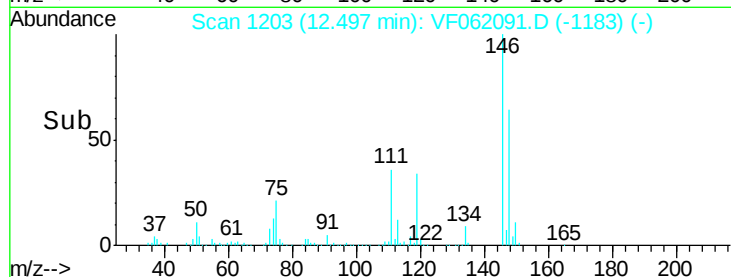
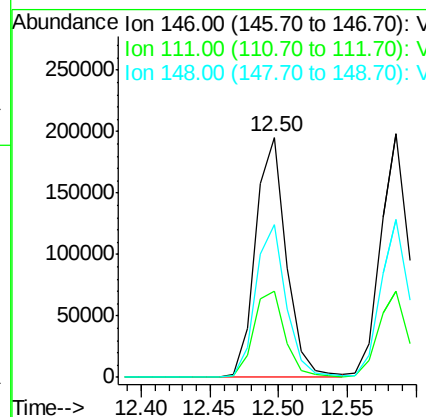
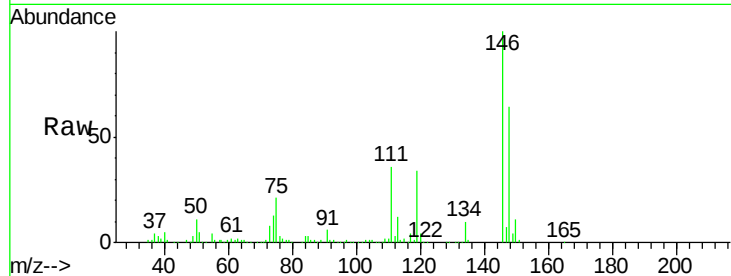
#87
 1,3-Dichlorobenzene
 Concen: 56.058 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	16.1	48.3
148	63.5	31.9	95.7

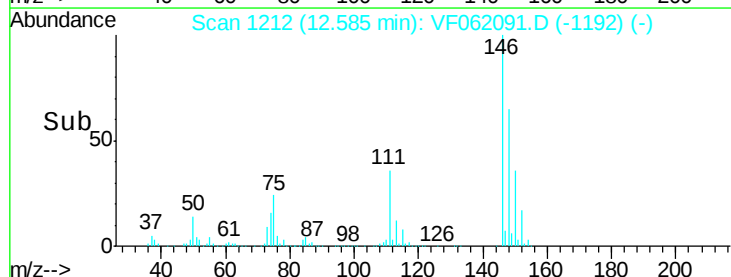
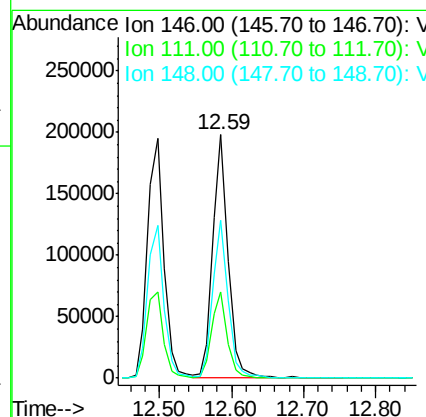
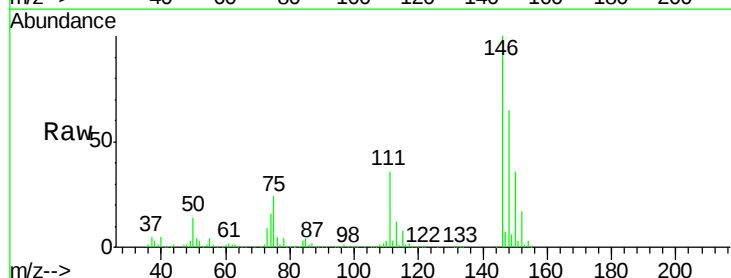
Manual Integrations
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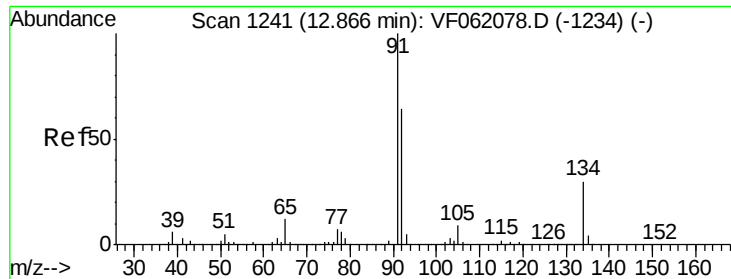
MMDadoda
 3/27/2019 11:57:21 AM



#88
 1,4-Dichlorobenzene
 Concen: 55.124 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	16.9	50.6
148	64.8	31.9	95.7





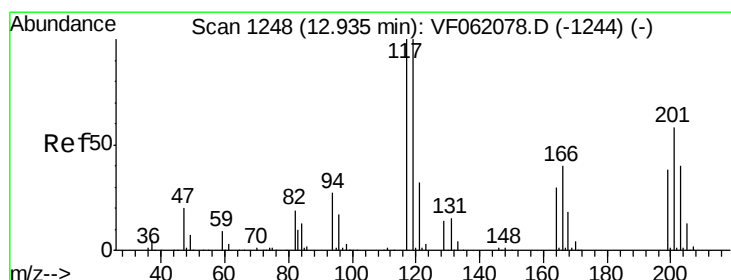
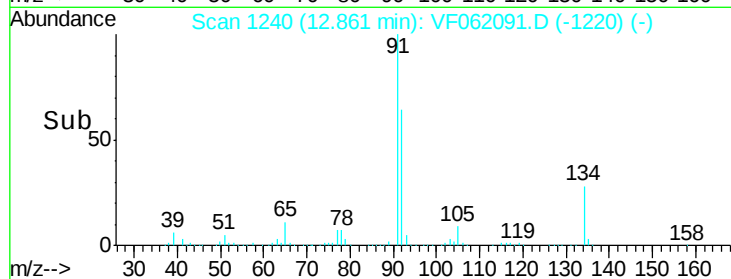
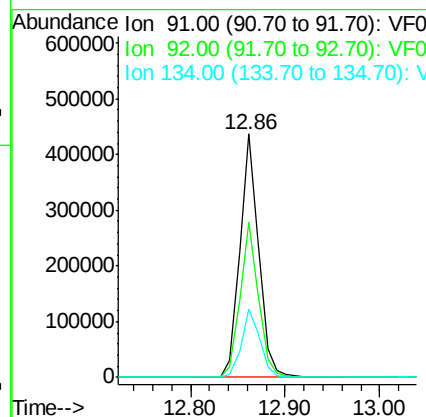
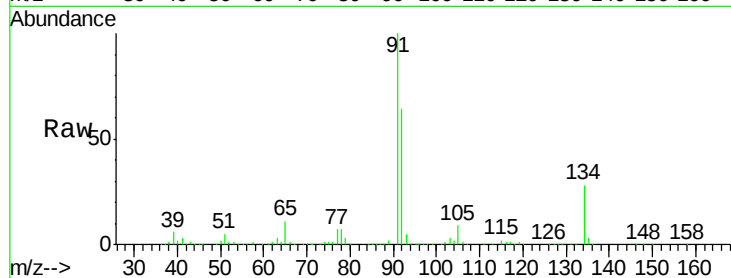
#89
n-Butylbenzene
Concen: 54.410 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		601934		
92	63.6	31.9	95.5		
134	27.9	14.9	44.9		

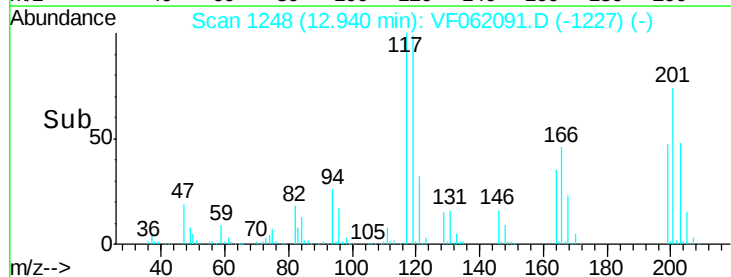
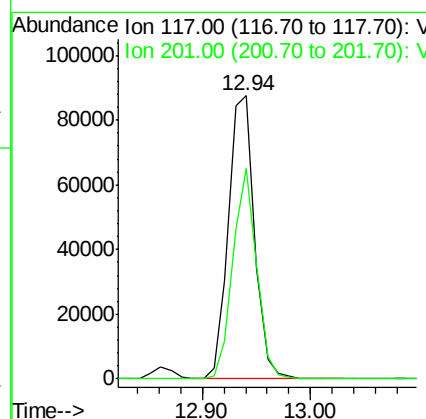
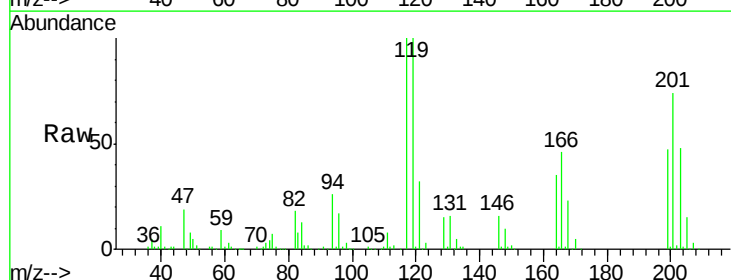
Manual Integrations
APPROVED

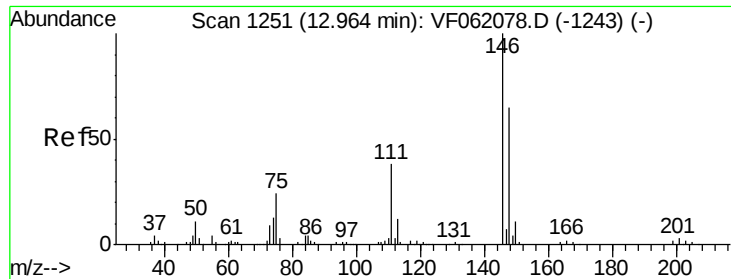
MMDadoda
3/27/2019 11:57:21 AM



#90
Hexachloroethane
Concen: 53.412 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		147475		
201	74.1	28.7	86.1		





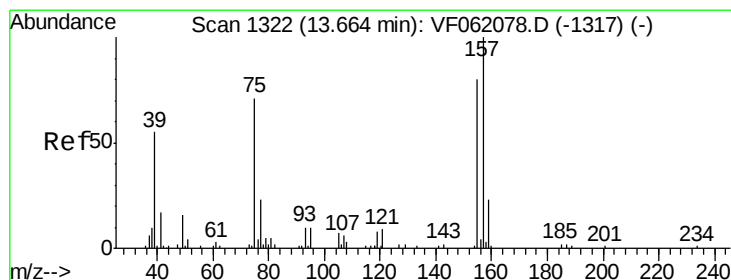
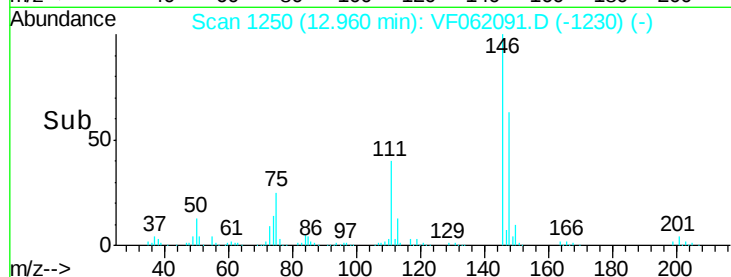
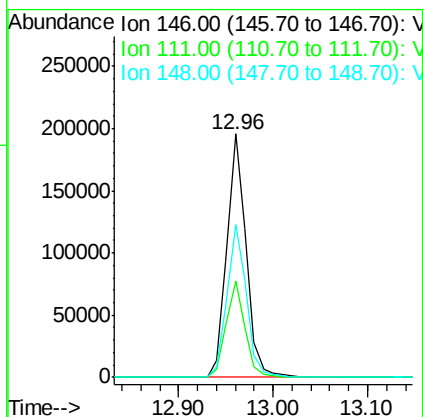
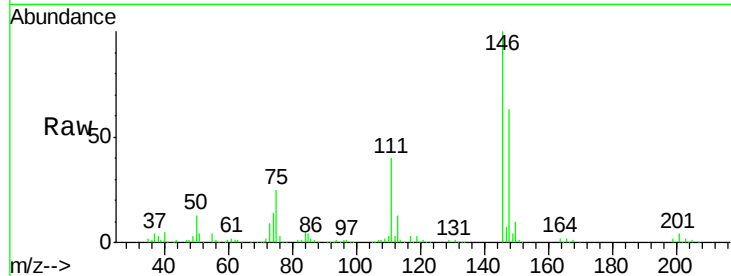
#91
 1,2-Dichlorobenzene
 Concen: 53.575 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	62.9	32.8	98.3

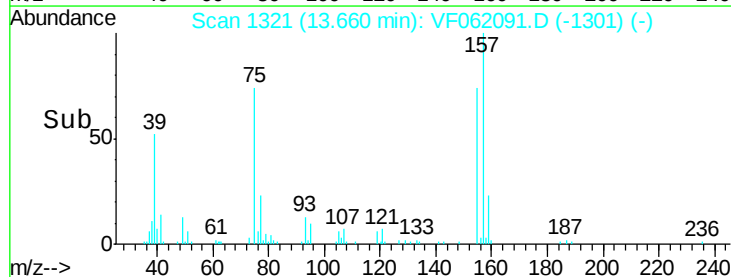
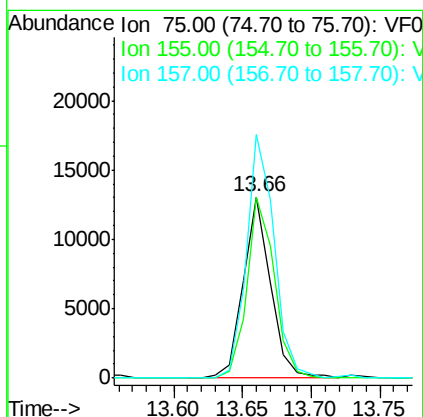
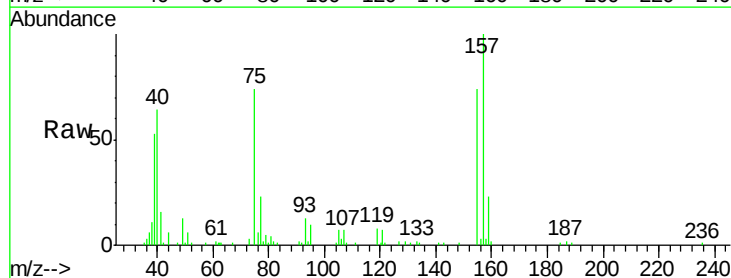
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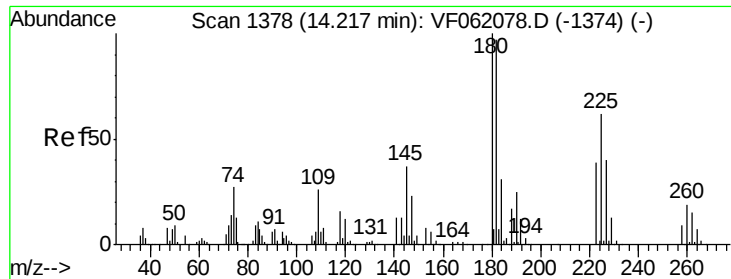
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.991 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VF062091.D
 Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	56.1	168.4
157	134.3	70.4	211.2





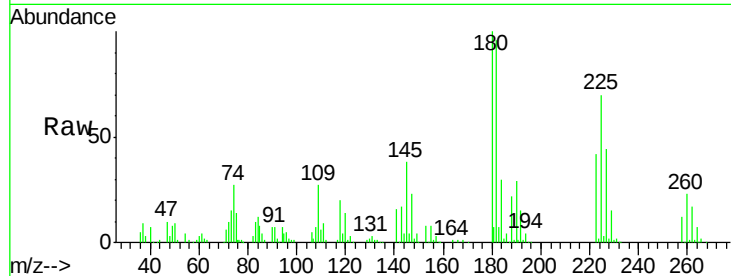
#93
1,2,4-Trichlorobenzene
Concen: 55.186 ug/l
RT: 14.21 min Scan# 1377
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

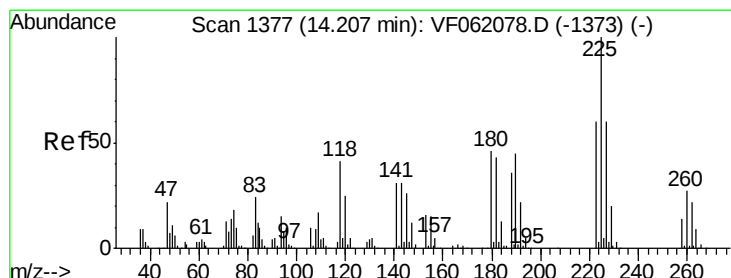
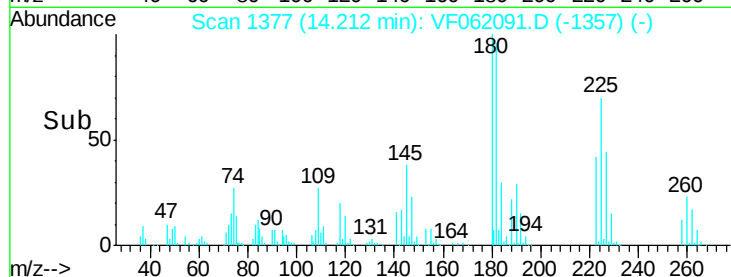
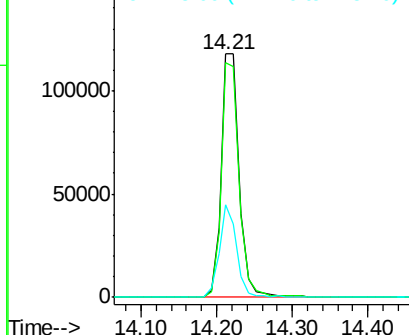
Tot Ion	Ratio	Resp	Lower	Upper
180	100	196970		
182	96.4	48.7	146.1	
145	38.2	18.3	54.8	

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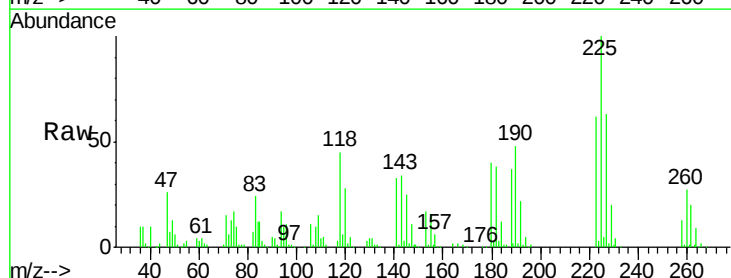


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

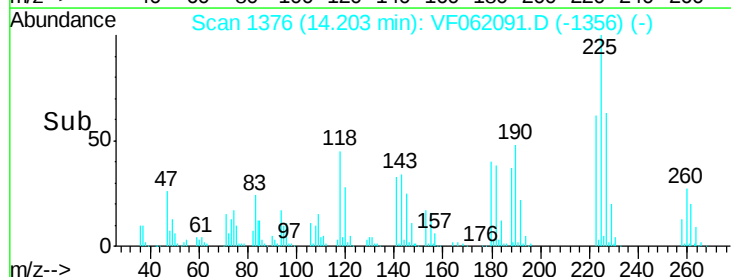
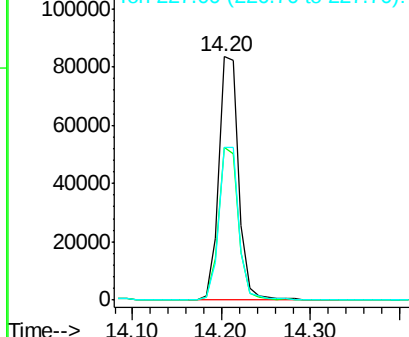


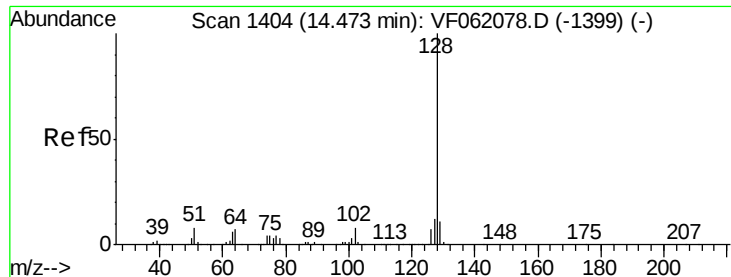
#94
Hexachlorobutadiene
Concen: 55.391 ug/l
RT: 14.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131453		
223	62.5	30.0	90.0	
227	62.6	30.2	90.6	



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





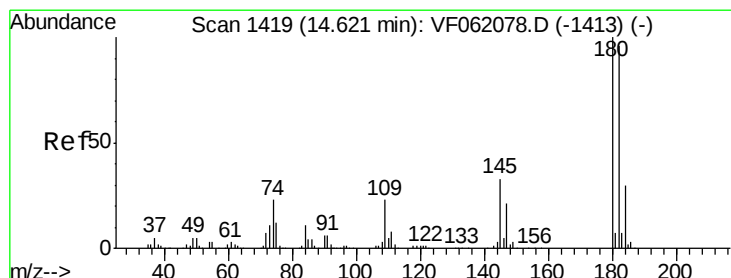
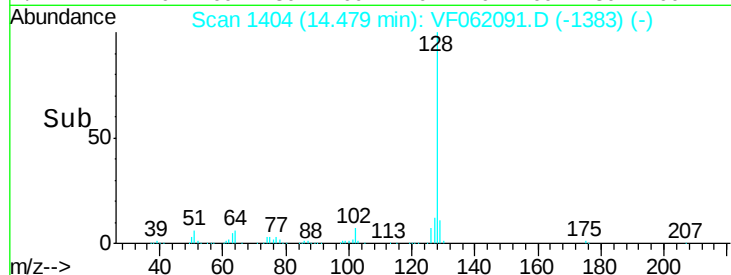
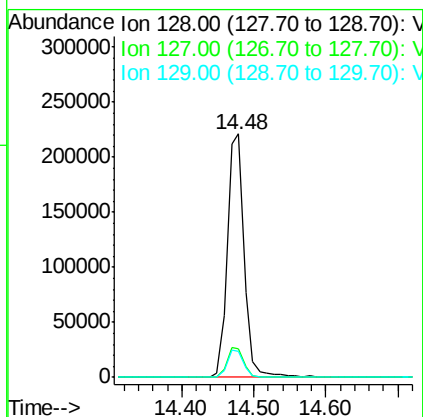
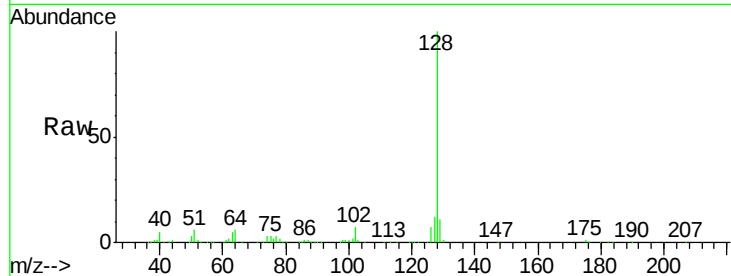
#95
Naphthalene
Concen: 57.471 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.5	14.3
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 56.687 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF062091.D
Acq: 22 Mar 2019 19:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.9	143.7
145	35.3	16.6	49.7

