

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062193.D
 Acq On : 17 Apr 2019 18:38
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 10:53:20 AM

Quant Time: Apr 18 07:08:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	410092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	597159	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	461958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	236107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	194617	35.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.26%	
35) Dibromofluoromethane	4.30	113	251336	61.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.74%	
50) Toluene-d8	7.70	98	664900	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
62) 4-Bromofluorobenzene	11.48	95	243482	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	296716	60.327	ug/l	100
3) Chloromethane	1.15	50	308319	52.018	ug/l	100
4) Vinyl Chloride	1.19	62	270052	47.901	ug/l	100
5) Bromomethane	1.40	94	167240	45.081	ug/l	100
6) Chloroethane	1.45	64	120068	37.730	ug/l	100
7) Trichlorofluoromethane	1.55	101	347551	51.900	ug/l	100
8) Diethyl Ether	1.70	74	74446	26.652	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	234752	54.075	ug/l	100
10) Methyl Iodide	1.98	142	427912	85.262	ug/l	100
11) Tert butyl alcohol	2.69	59	62255	57.215	ug/l	100
12) 1,1-Dichloroethene	1.87	96	220869	49.629	ug/l	100
13) Acrolein	2.09	56	26023	28.693	ug/l	100
14) Allyl chloride	2.19	41	244673	27.658	ug/l	100
15) Acrylonitrile	3.07	53	192656	67.208	ug/l	100
16) Acetone	2.34	43	222604	83.693	ug/l	100
17) Carbon Disulfide	1.91	76	647282m	47.006	ug/l	
18) Methyl Acetate	2.45	43	97949	14.654	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	394578	27.224	ug/l	100
20) Methylene Chloride	2.33	84	224424m	43.904	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	225257	47.780	ug/l	100
22) Diisopropyl ether	2.93	45	647062	36.266	ug/l	100
23) Vinyl Acetate	3.33	43	1666166	112.659	ug/l	100
24) 1,1-Dichloroethane	3.00	63	343509	37.987	ug/l	100
25) 2-Butanone	4.51	43	439643	102.252	ug/l	100
26) 2,2-Dichloropropane	3.75	77	170017	26.261	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	295898	53.968	ug/l	100
28) Bromochloromethane	3.88	49	155096	36.683	ug/l #	100
29) Tetrahydrofuran	4.26	42	200599	70.878	ug/l	100
30) Chloroform	4.04	83	444941	52.120	ug/l	100
31) Cyclohexane	3.86	56	427018	46.567	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	256498	38.382	ug/l	100
36) 1,1-Dichloropropene	4.45	75	355060	55.459	ug/l	100
37) Ethyl Acetate	4.29	43	163093	22.777	ug/l #	100
38) Carbon Tetrachloride	4.17	117	288133	53.863	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	424479	54.906	ug/l	100
40) Benzene	4.81	78	913513	49.756	ug/l	100
41) Methacrylonitrile	4.92	41	97964	23.659	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244463	39.111	ug/l	100
43) Isopropyl Acetate	7.10	43	170491	15.113	ug/l	100
44) Trichloroethene	5.67	130	251830	54.677	ug/l	100
45) 1,2-Dichloropropane	6.39	63	201280	41.000	ug/l	100
46) Dibromomethane	6.25	93	140441	47.726	ug/l	100
47) Bromodichloromethane	6.53	83	302974	51.871	ug/l	100
48) Methyl methacrylate	6.86	41	113192	19.997	ug/l	100
49) 1,4-Dioxane	6.86	88	26047	248.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	639654	88.247	ug/l	100
52) Toluene	7.77	92	499316	46.038	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	231353	36.816	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	309932	42.804	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	136826	33.475	ug/l	100
56) Ethyl methacrylate	8.74	69	151074	21.645	ug/l	100
57) 1,3-Dichloropropane	8.98	76	220968	30.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	233236	63.999	ug/l	100
59) 2-Hexanone	9.61	43	405051	73.245	ug/l	100
60) Dibromochloromethane	8.84	129	205324	49.695	ug/l	100
61) 1,2-Dibromoethane	9.12	107	154607	36.356	ug/l	100
64) Tetrachloroethene	8.29	164	206328	56.588	ug/l	100
65) Chlorobenzene	9.91	112	514046	51.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	229476	62.954	ug/l	100
67) Ethyl Benzene	10.01	91	874780	48.872	ug/l	100
68) m/p-Xylenes	10.24	106	639487	98.190	ug/l	100
69) o-Xylene	10.80	106	367389	56.260	ug/l	100
70) Styrene	10.88	104	495765	45.821	ug/l	100
71) Bromoform	10.86	173	119655	44.631	ug/l #	100
73) Isopropylbenzene	11.21	105	1029533	55.861	ug/l	100
74) N-amyl acetate	11.43	43	240184	25.569	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	176667	28.995	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	120173	22.827	ug/l #	64
77) Bromobenzene	11.57	156	216945	47.884	ug/l	100
78) n-propylbenzene	11.66	91	1045722	50.667	ug/l	100
79) 2-Chlorotoluene	11.79	91	642106	51.166	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	843571	54.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	61819m	30.000	ug/l	
82) 4-Chlorotoluene	11.96	91	608907	43.152	ug/l	100
83) tert-Butylbenzene	12.19	119	876206	58.254	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	794936	51.312	ug/l	100
85) sec-Butylbenzene	12.36	105	1147514	62.975	ug/l	100
86) p-Isopropyltoluene	12.51	119	958219	58.291	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	386693	48.652	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	380820	47.369	ug/l	100
89) n-Butylbenzene	12.89	91	840717	55.701	ug/l	100
90) Hexachloroethane	12.96	117	252712	83.841	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	377659	48.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	35219	25.687	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	316868	54.699	ug/l	100
94) Hexachlorobutadiene	14.22	225	225387	72.378	ug/l	100
95) Naphthalene	14.49	128	564398	33.103	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	320141	55.659	ug/l	100

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

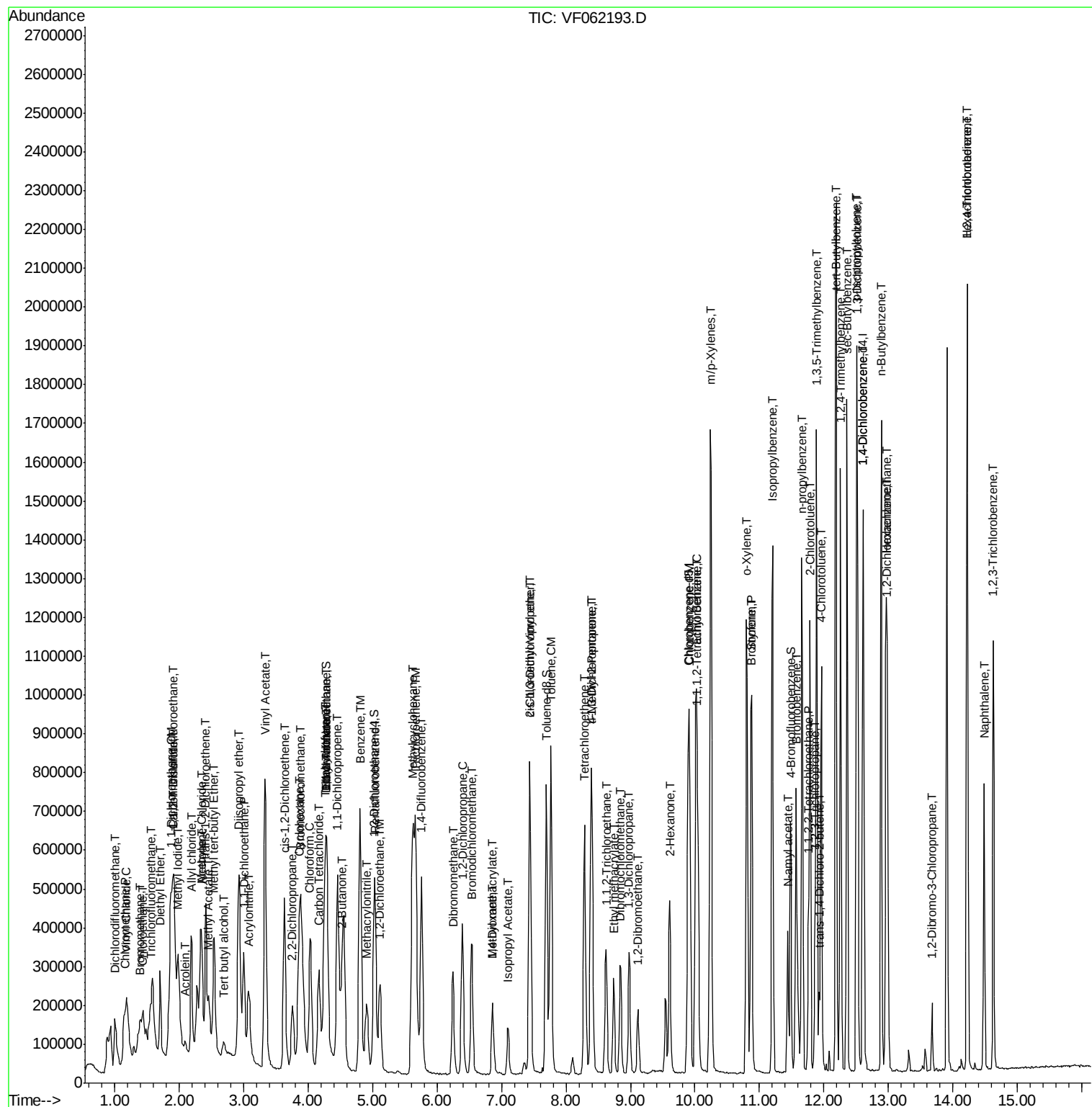
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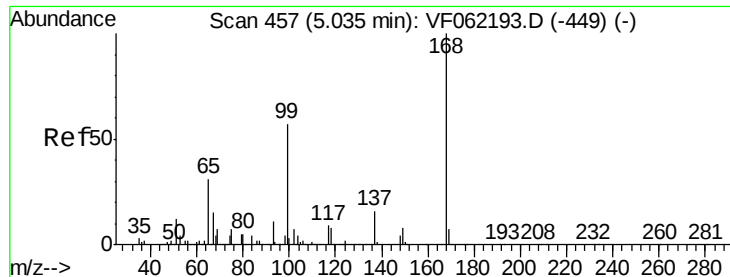
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 410092

Ion Ratio Lower Upper

168 100

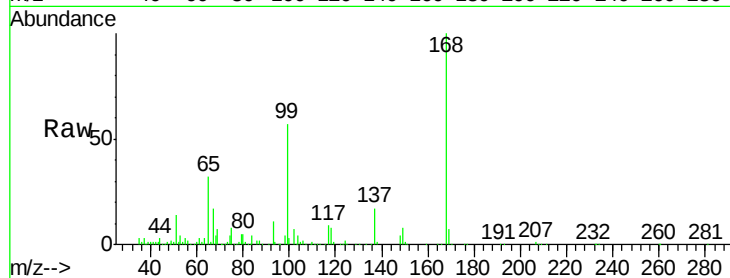
99 56.9 45.5 68.3

Manual Integrations

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4/19/2019 10:53:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.03

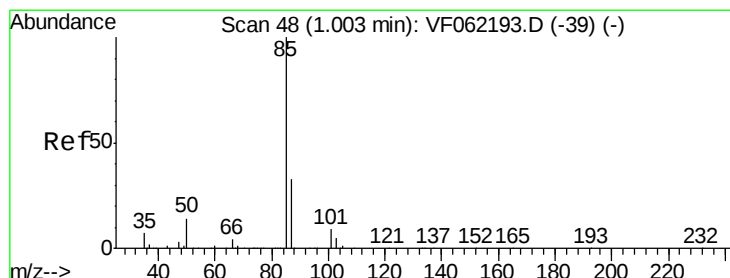
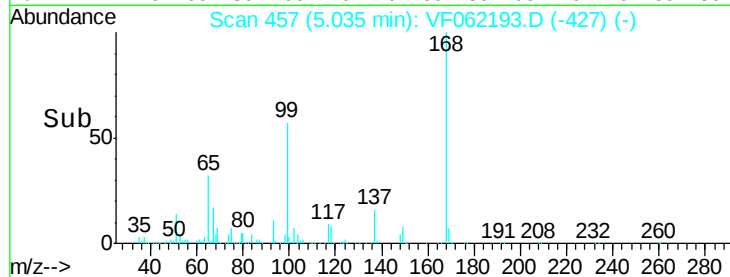
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 60.327 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062193.D

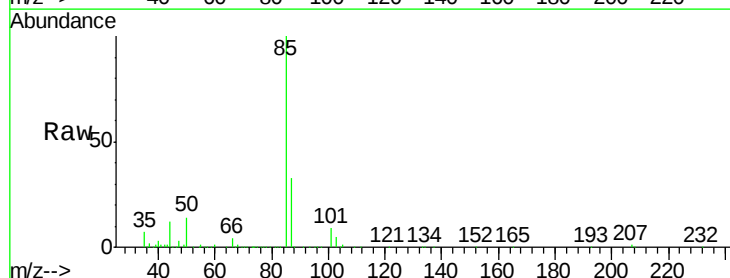
Acq: 17 Apr 2019 18:38

Tgt Ion: 85 Resp: 296716

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

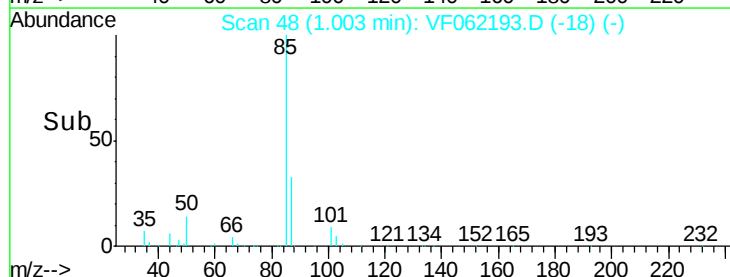
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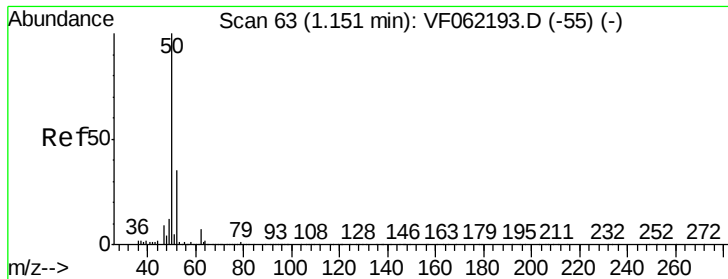
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.018 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 308319

Ion Ratio Lower Upper

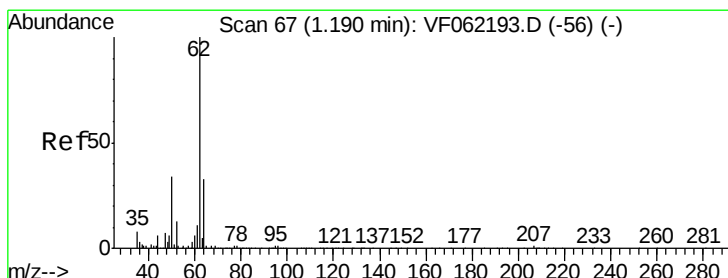
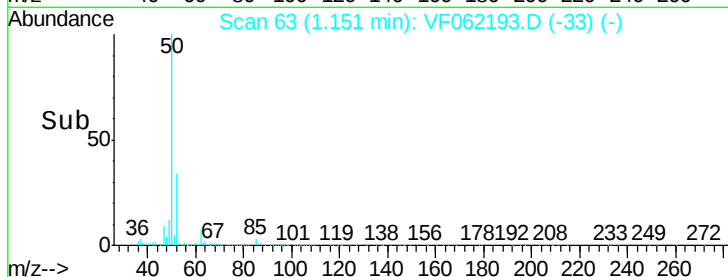
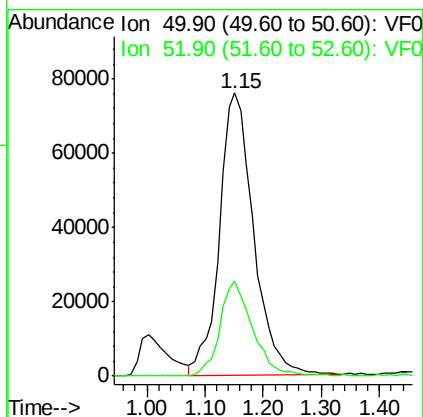
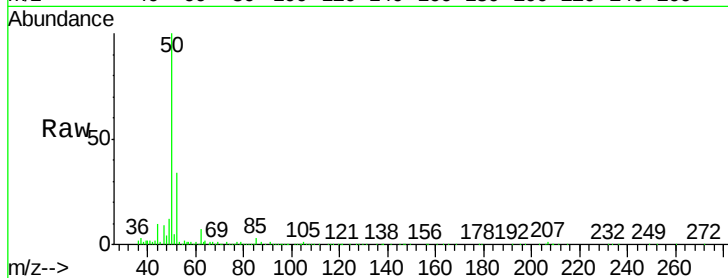
50 100

52 33.7 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.901 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062193.D

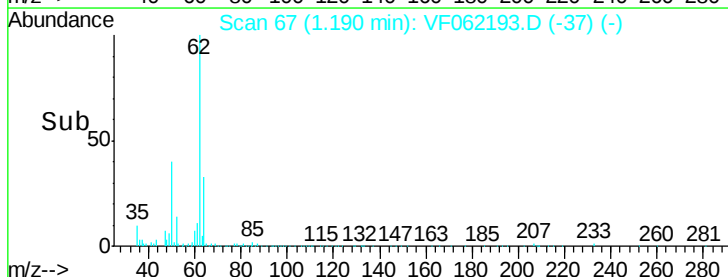
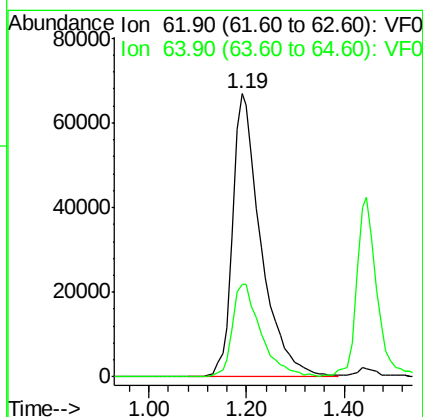
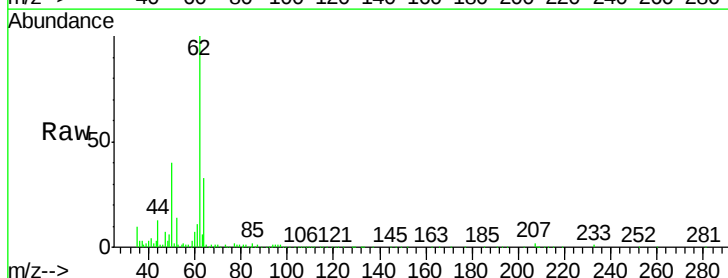
Acq: 17 Apr 2019 18:38

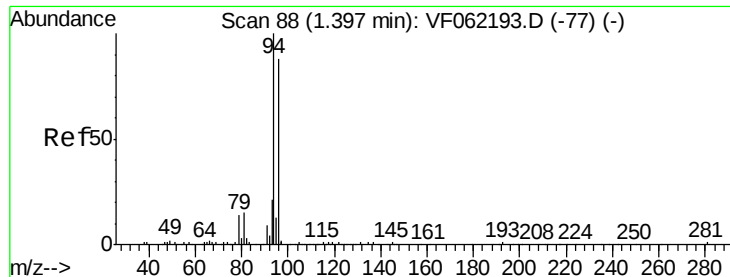
Tgt Ion: 62 Resp: 270052

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 45.081 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 167240

Ion Ratio Lower Upper

94 100

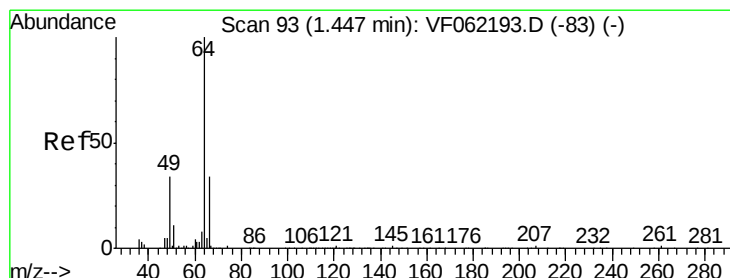
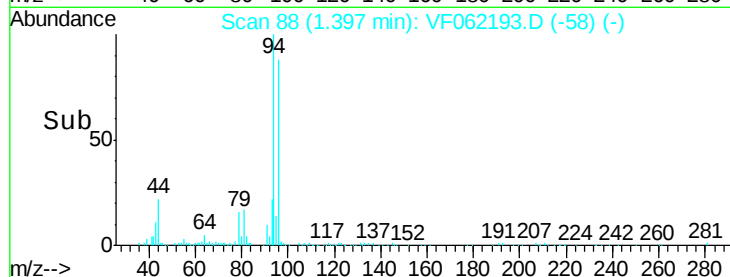
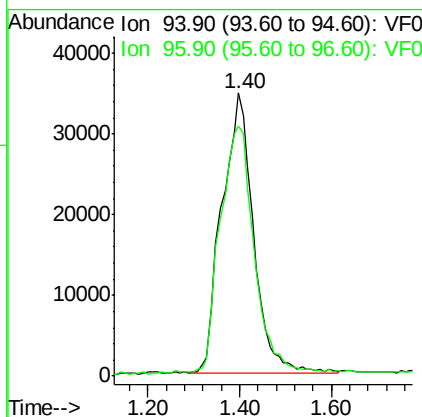
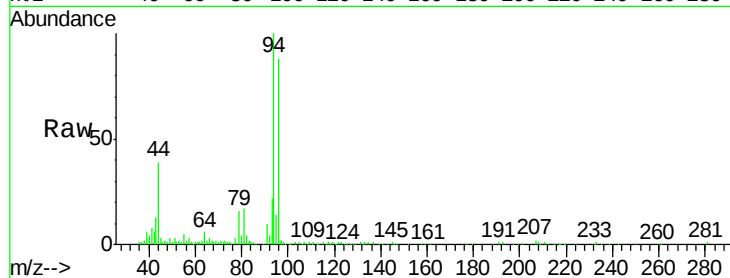
96 87.8 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 37.730 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062193.D

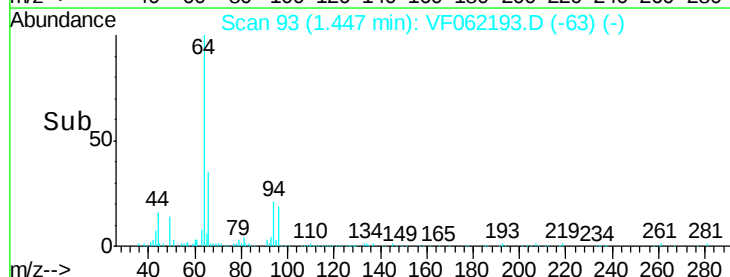
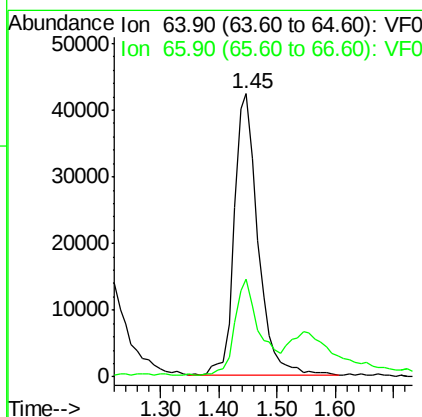
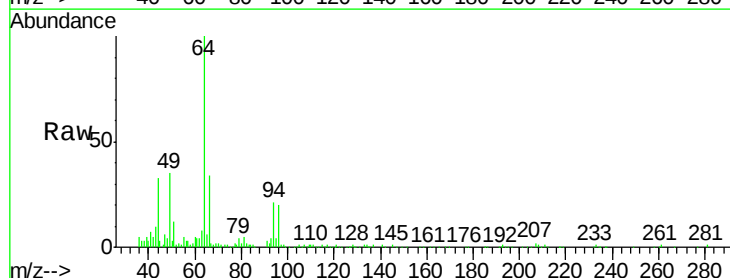
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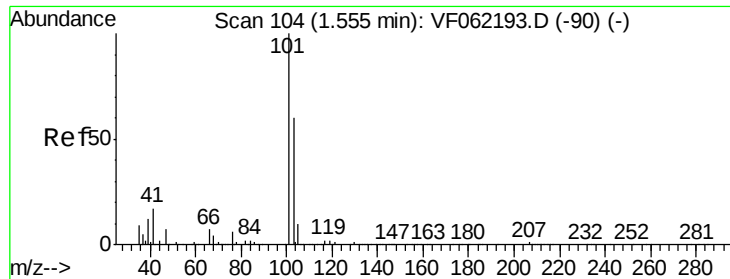
Tgt Ion: 64 Resp: 120068

Ion Ratio Lower Upper

64 100

66 33.7 27.0 40.4





#7

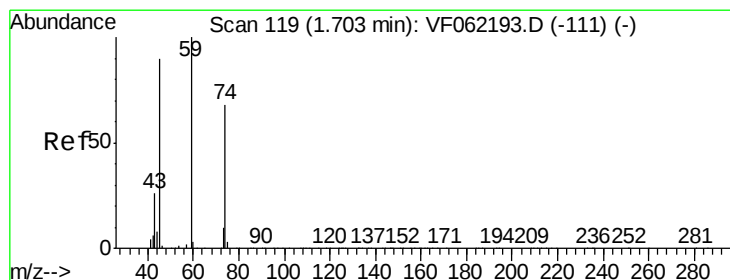
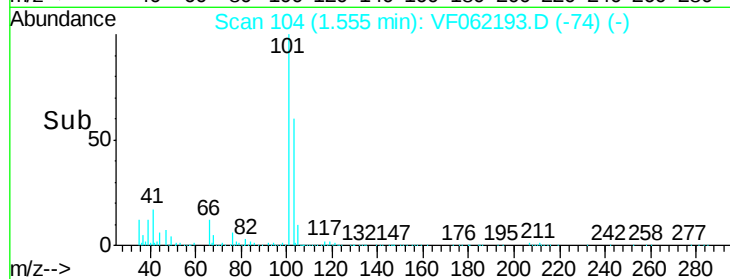
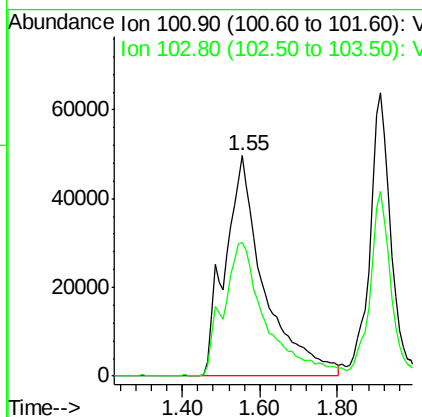
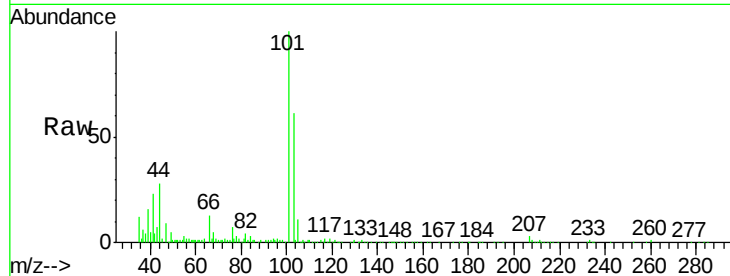
Trichlorofluoromethane
Concen: 51.900 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062193.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	48.2	72.4

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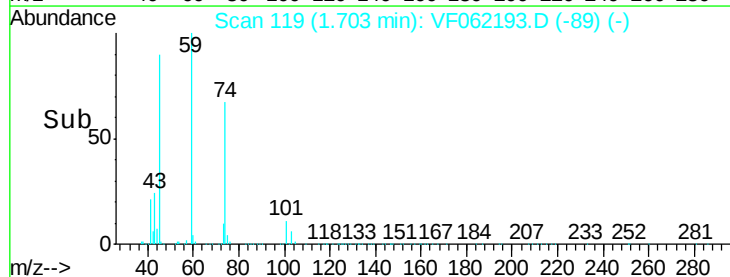
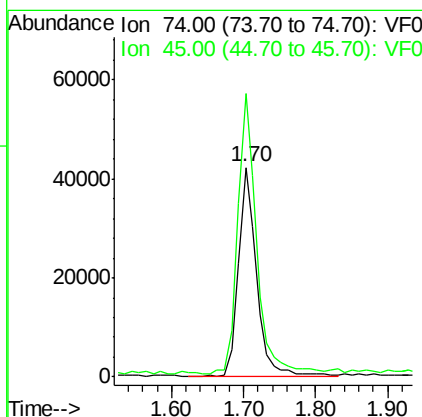
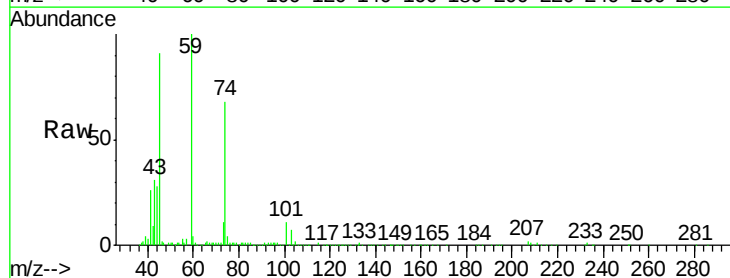
MMDadoda
4/19/2019 10:53:20 AM

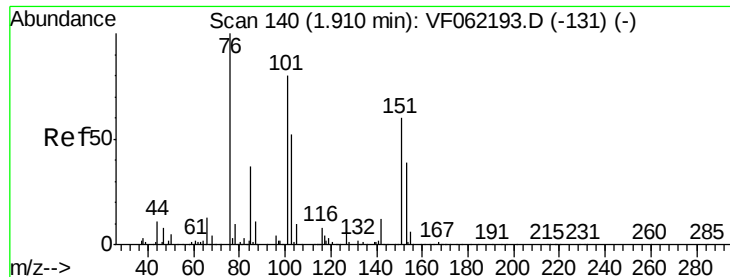


#8

Diethyl Ether
Concen: 26.652 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062193.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.1	70.0	210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.075 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062193.D

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MSVOA_F

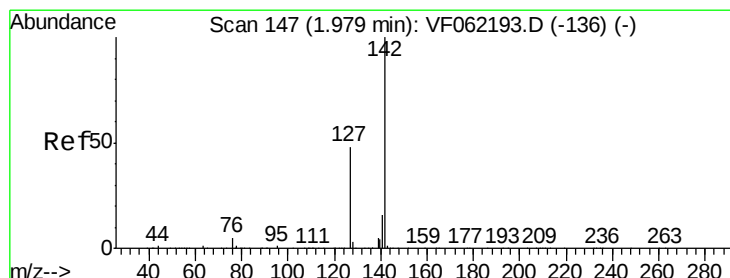
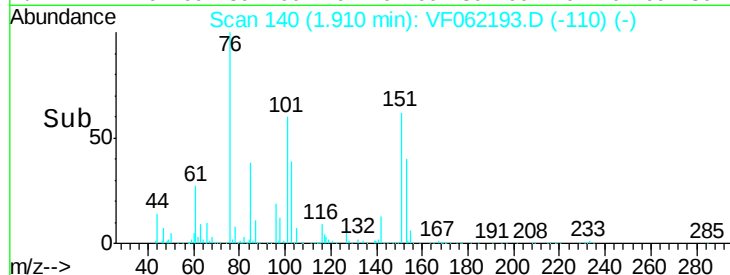
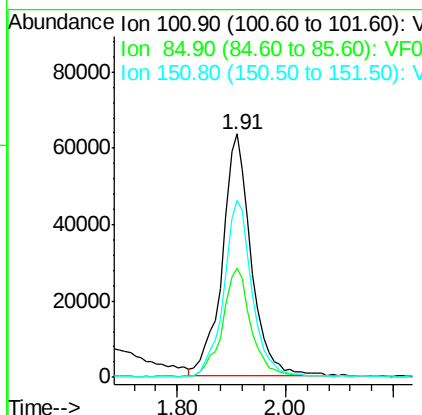
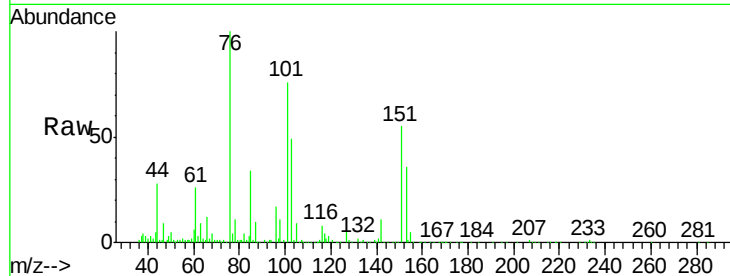
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	234752
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.3	52.9
151	71.9	57.5	86.3

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#10

Methyl Iodide

Concen: 85.262 ug/l

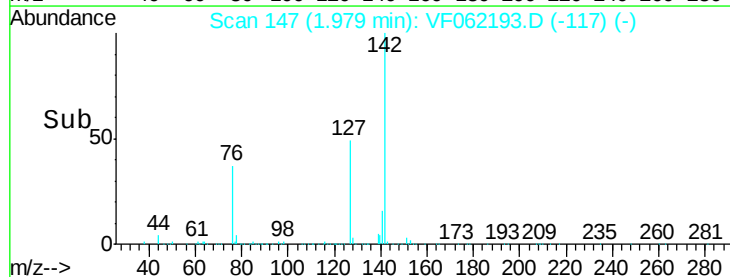
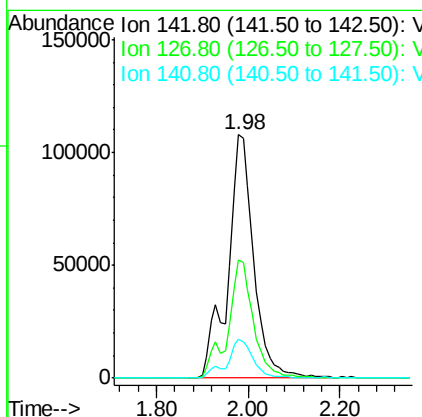
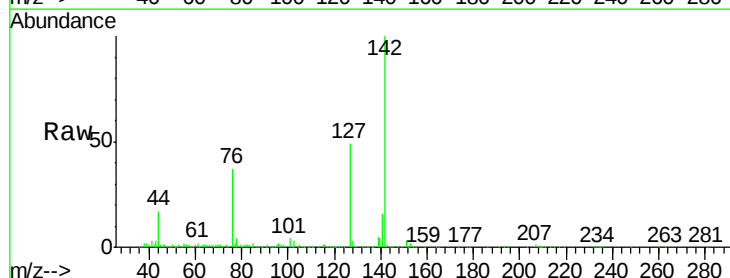
RT: 1.98 min Scan# 147

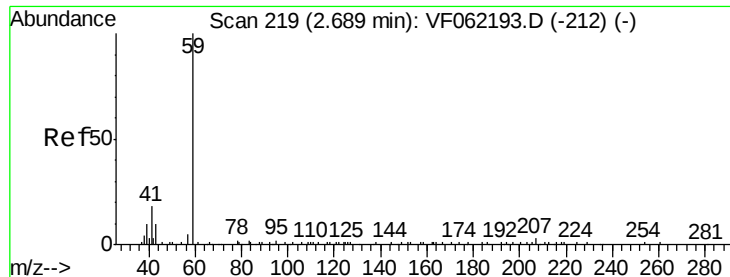
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	142	Resp:	427912
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.4
141	15.9	12.7	19.1





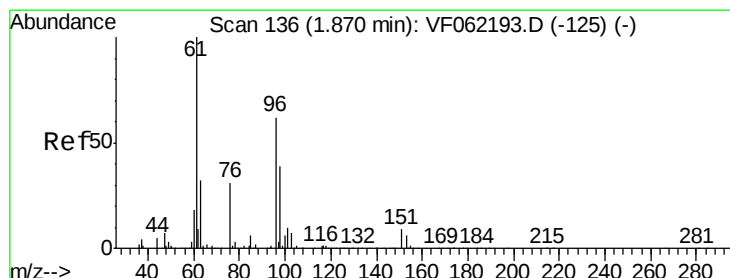
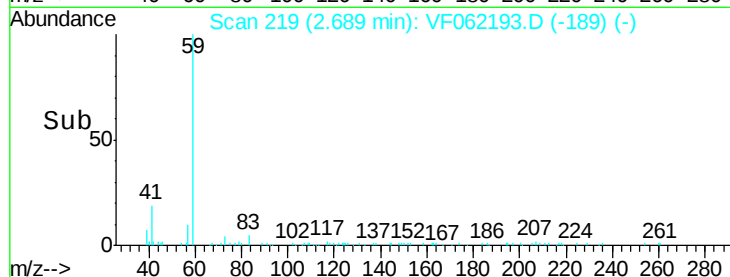
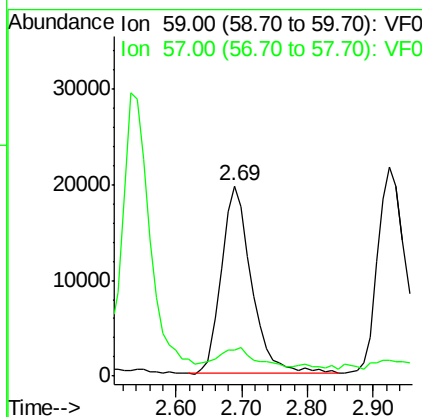
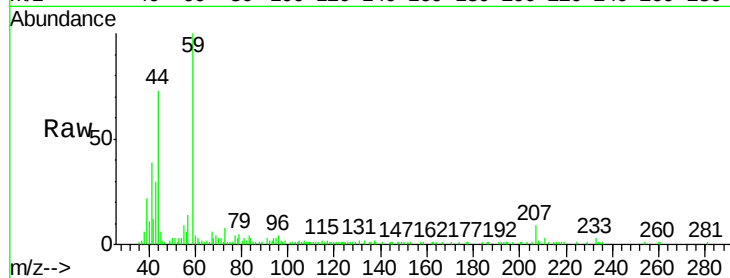
#11
Tert butyl alcohol
Concen: 57.215 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.3	13.9

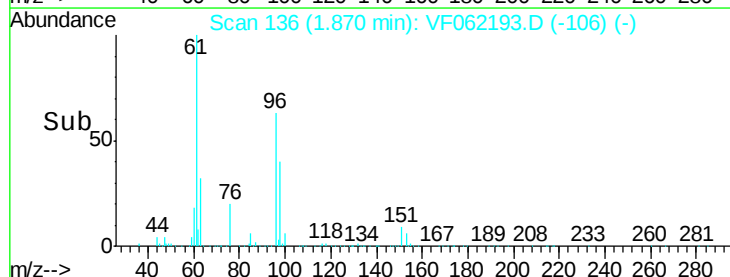
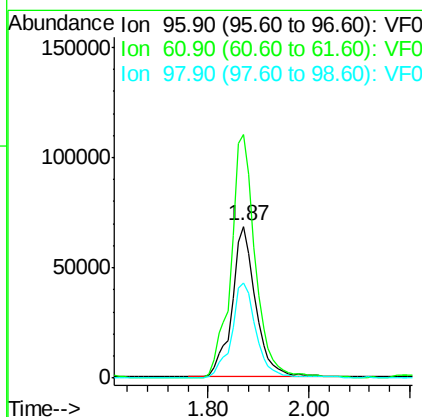
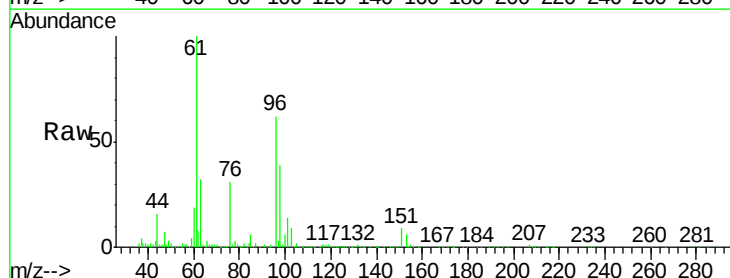
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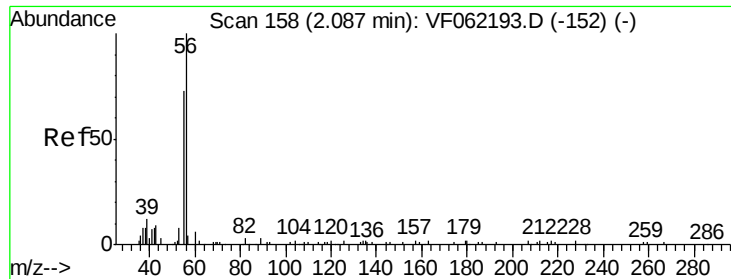
MMDadoda
4/19/2019 10:53:20 AM



#12
1,1-Dichloroethene
Concen: 49.629 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	129.1	193.7
98	62.5	50.0	75.0





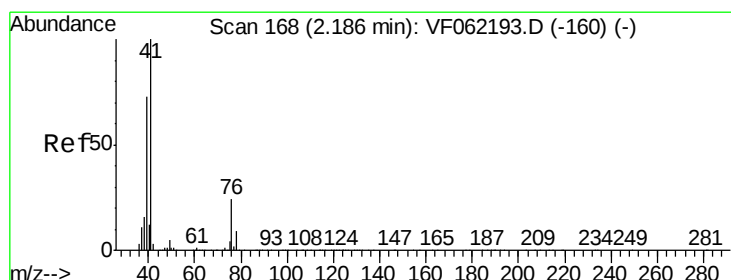
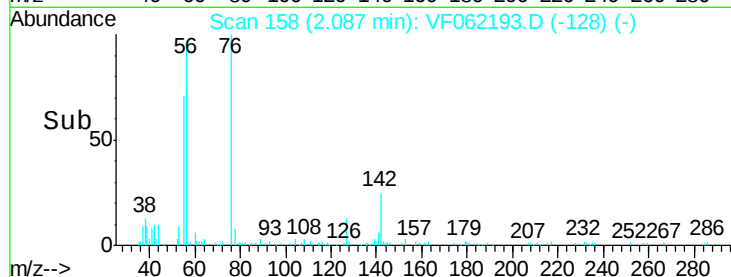
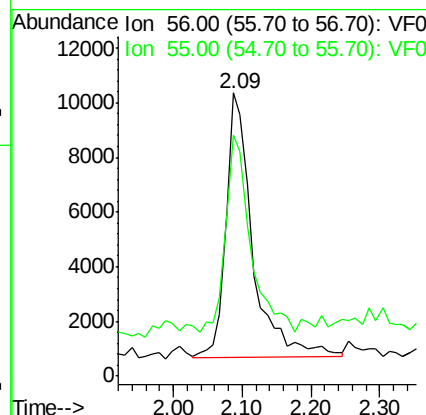
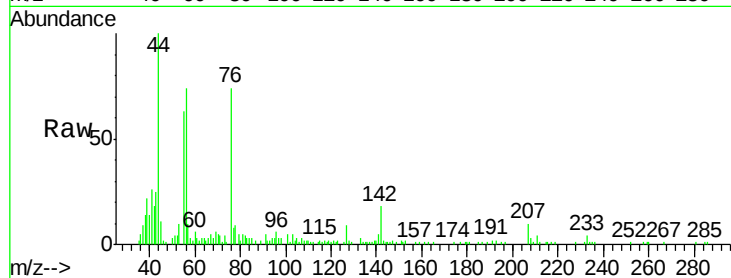
#13
Acrolein
Concen: 28.693 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 26023
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.0

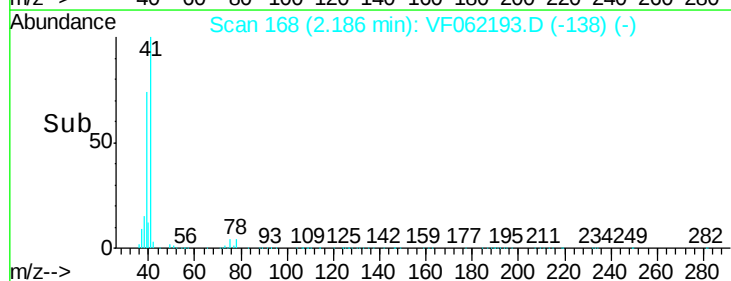
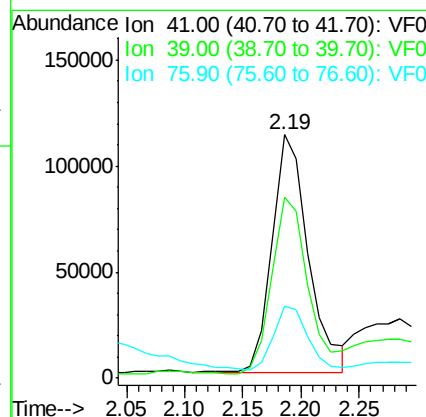
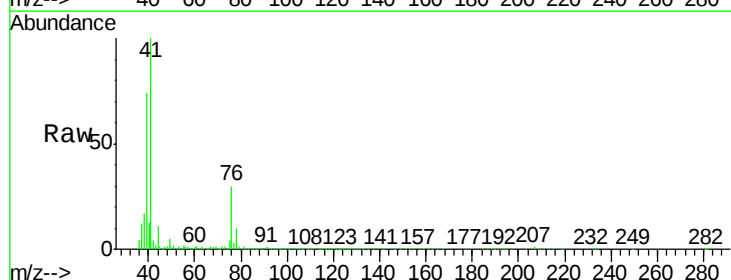
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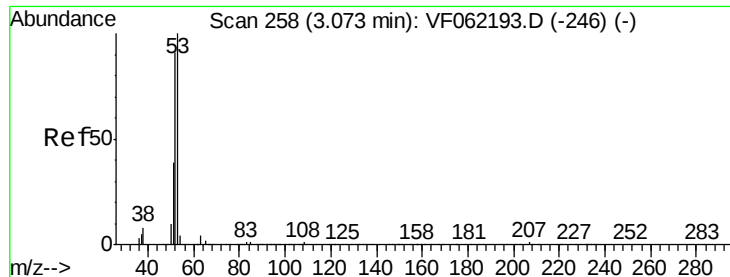
MMDadoda
4/19/2019 10:53:20 AM



#14
Allyl chloride
Concen: 27.658 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 41 Resp: 244673
Ion Ratio Lower Upper
41 100
39 75.0 60.0 90.0
76 25.7 20.6 30.8





#15

Acrylonitrile

Concen: 67.208 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

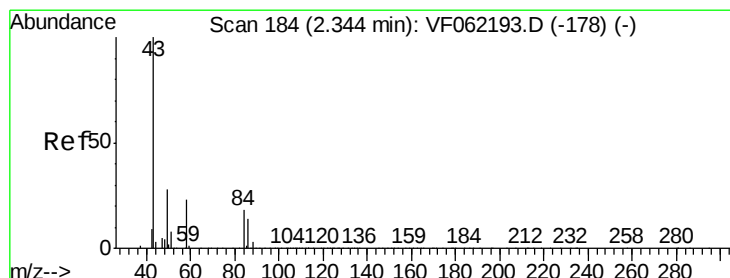
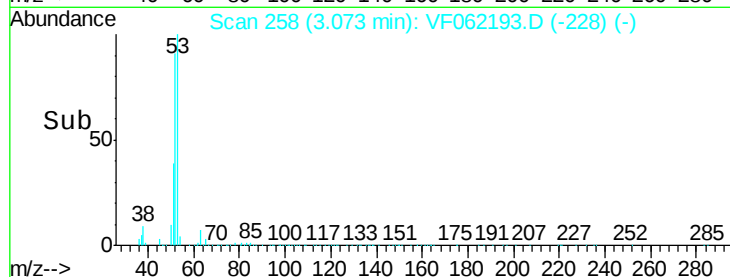
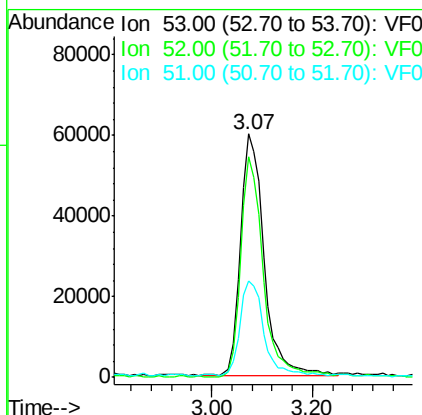
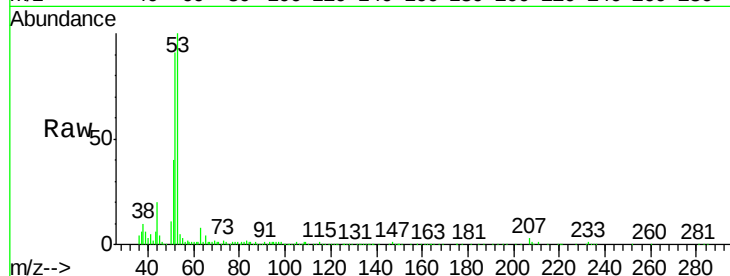
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	192656
Ion Ratio	Lower	Upper	
53	100		
52	86.9	69.5	104.3
51	39.8	31.8	47.8

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#16

Acetone

Concen: 83.693 ug/l

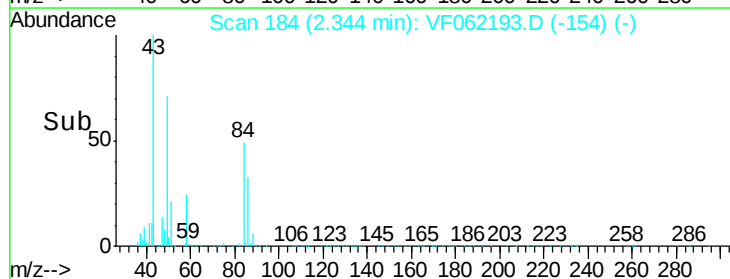
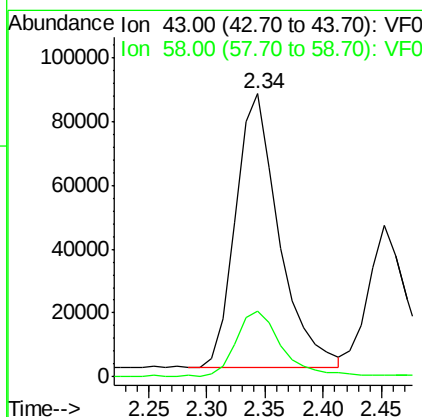
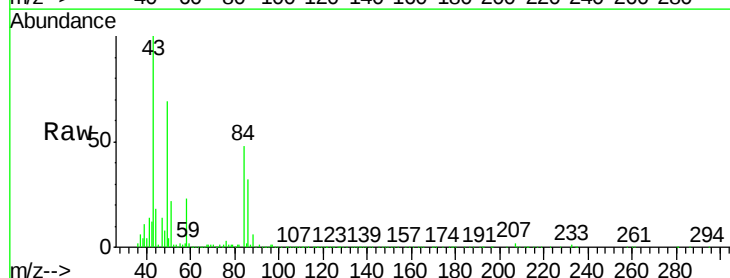
RT: 2.34 min Scan# 184

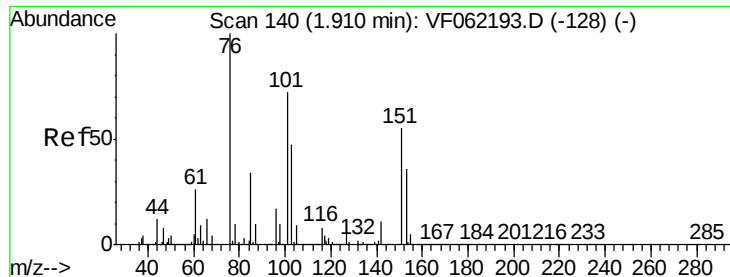
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	43	Resp:	222604
Ion Ratio	Lower	Upper	
43	100		
58	23.5	18.8	28.2





#17

Carbon Disulfide

Concen: 47.006 ug/l m

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 647282

Ion Ratio Lower Upper

76 100

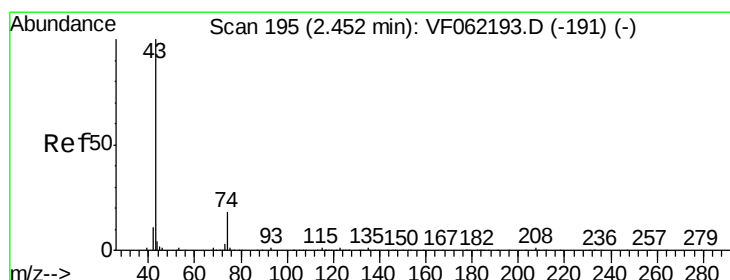
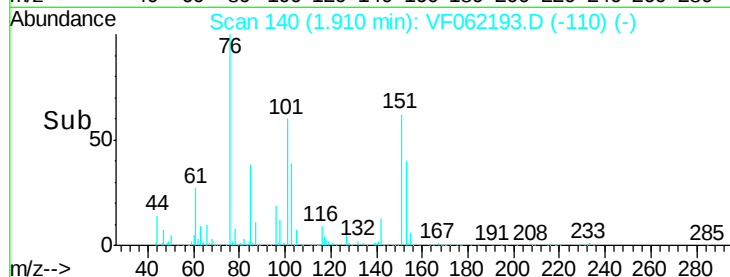
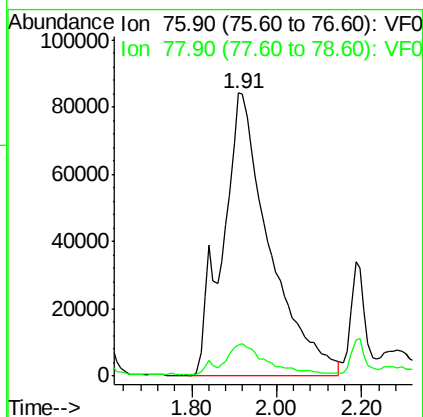
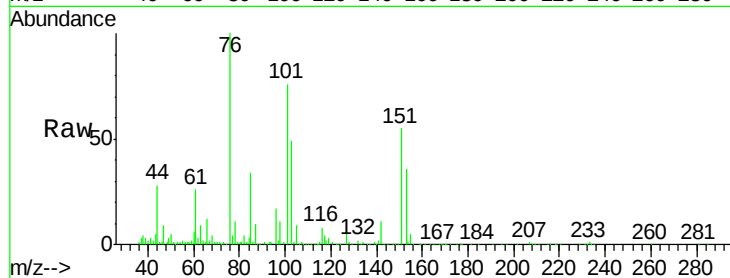
78 10.9 8.7 13.1

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#18

Methyl Acetate

Concen: 14.654 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF062193.D

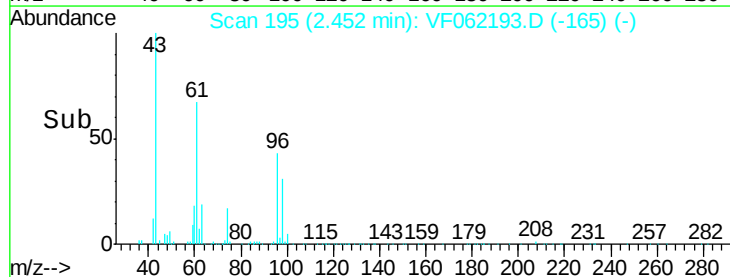
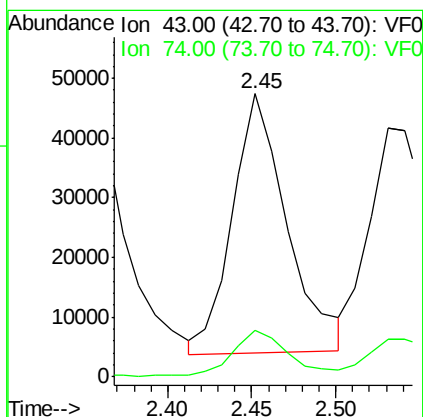
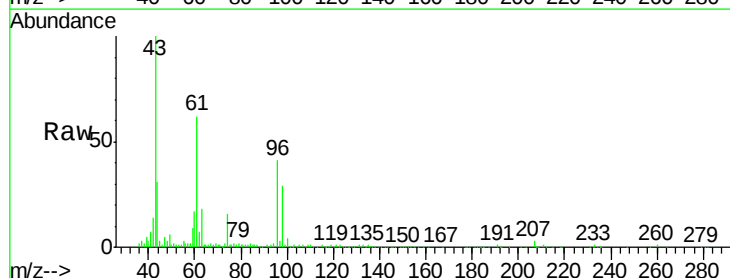
Acq: 17 Apr 2019 18:38

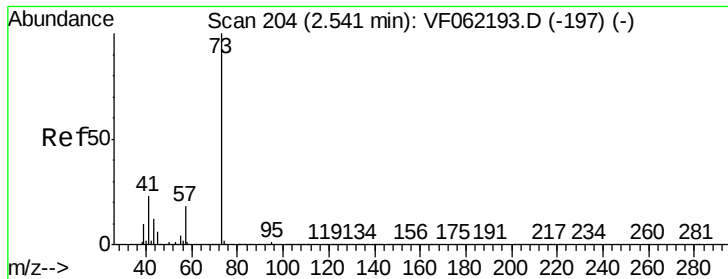
Tgt Ion: 43 Resp: 97949

Ion Ratio Lower Upper

43 100

74 18.1 14.5 21.7





#19

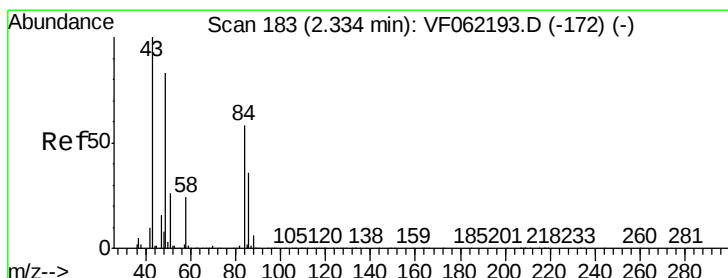
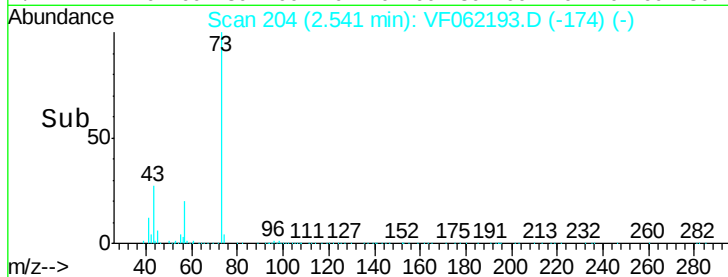
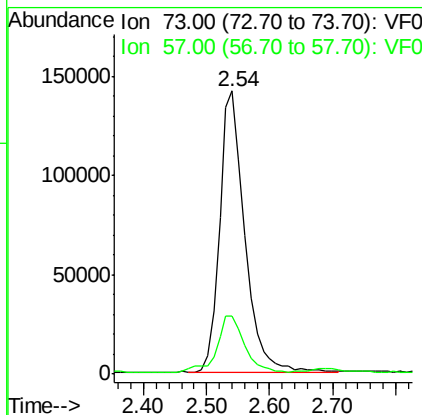
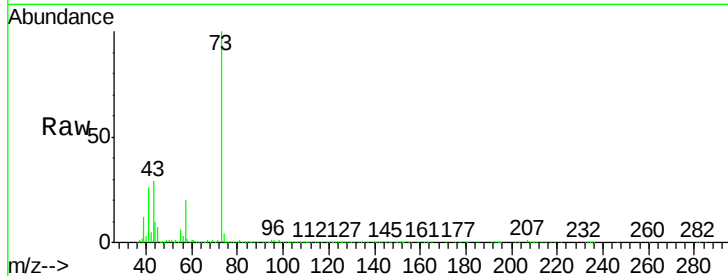
Methyl tert-butyl Ether
 Concen: 27.224 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	15.1	22.7

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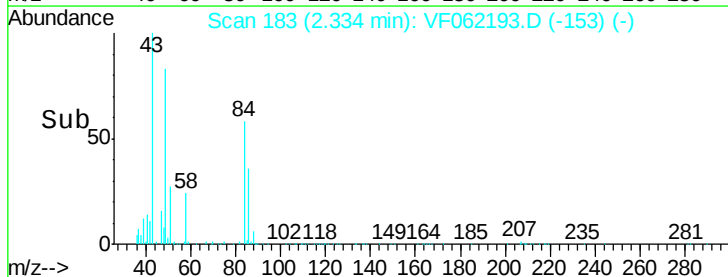
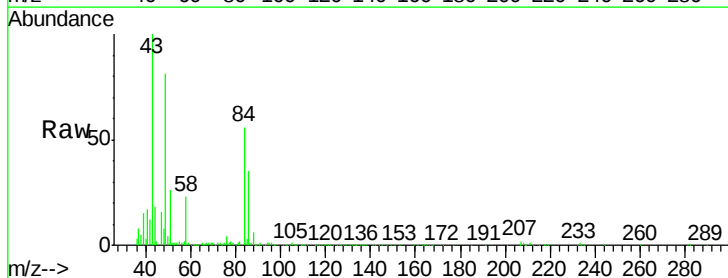
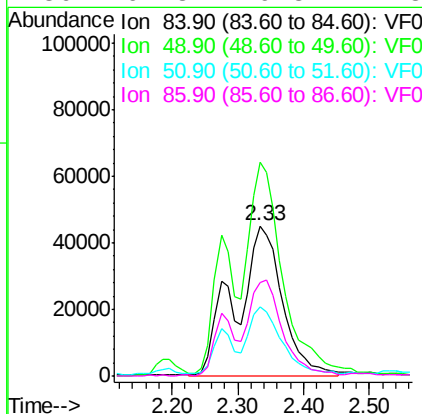
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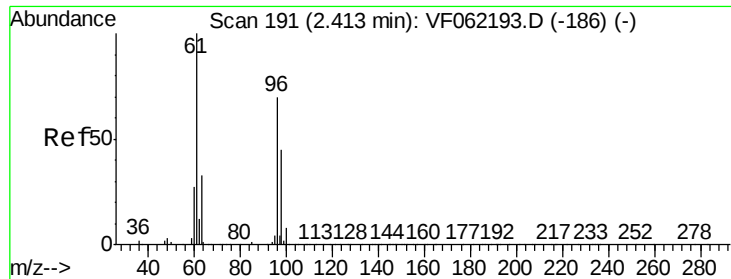


#20

Methylene Chloride
 Concen: 43.904 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	114.0	171.0
51	46.2	37.0	55.4
86	62.3	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 47.780 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

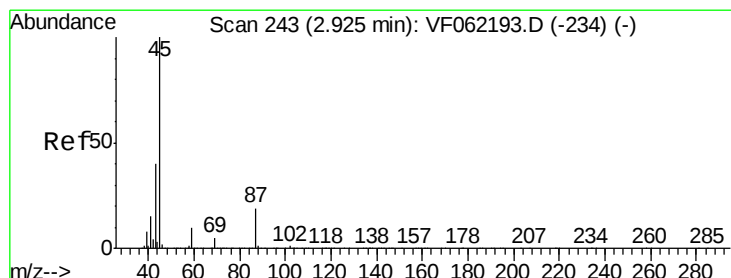
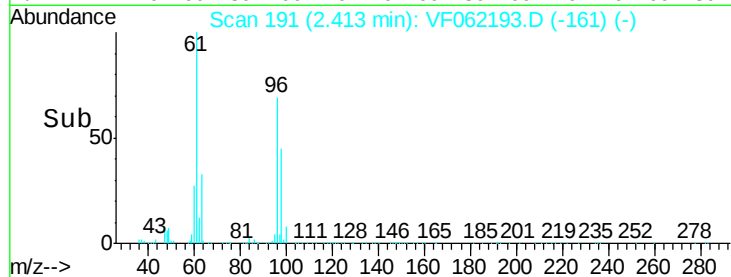
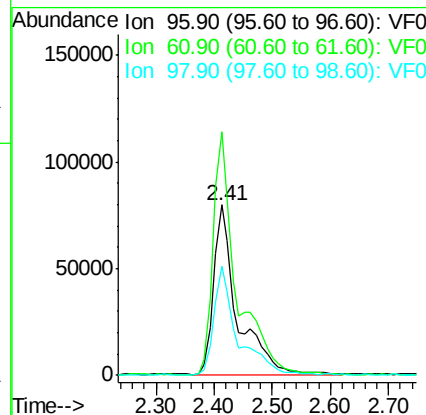
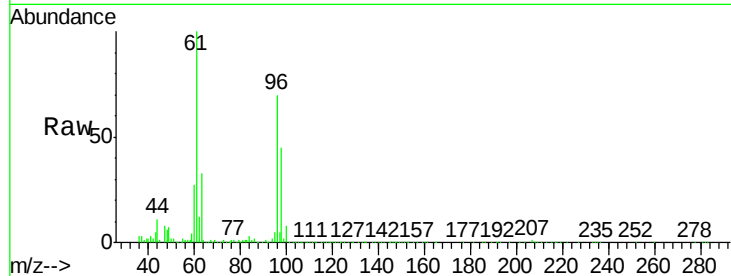
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	225257
Ion Ratio	Lower	Upper	
96	100		
61	143.3	114.6	172.0
98	64.0	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 36.266 ug/l

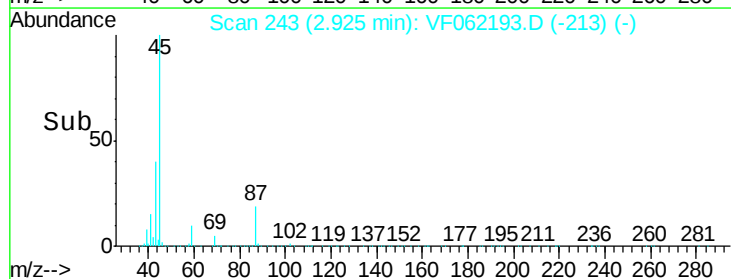
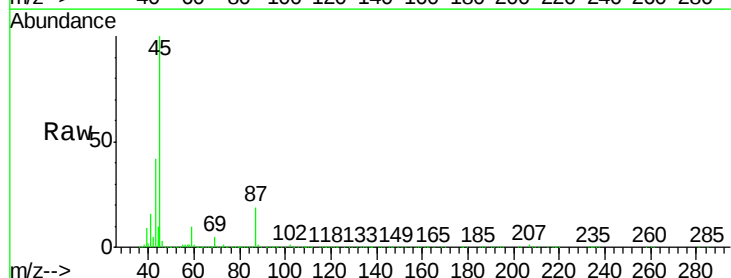
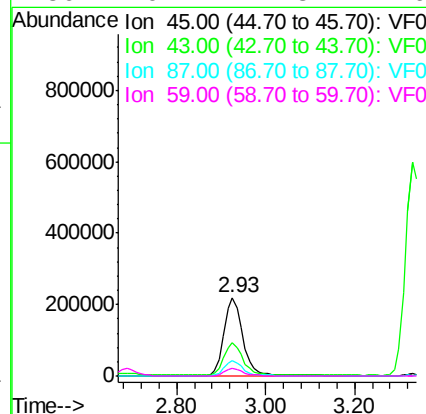
RT: 2.93 min Scan# 243

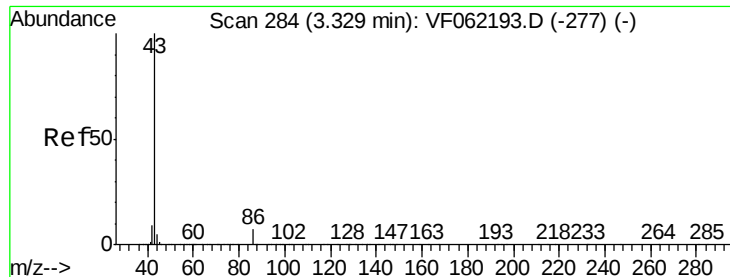
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	45	Resp:	647062
Ion Ratio	Lower	Upper	
45	100		
43	41.0	32.8	49.2
87	19.0	15.2	22.8
59	9.7	7.8	11.6





#23

Vinyl Acetate

Concen: 112.659 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1666166

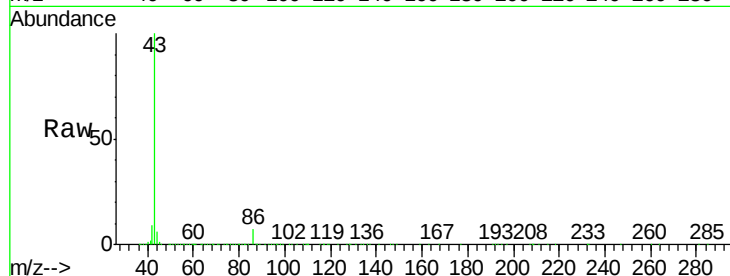
Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9

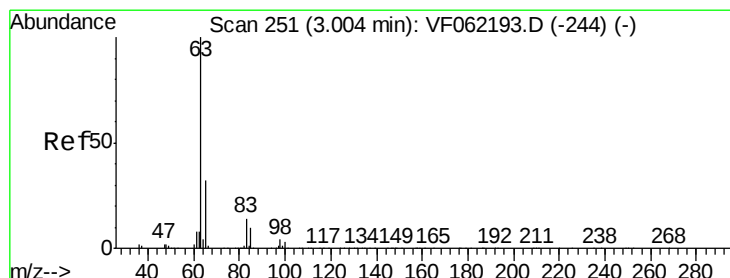
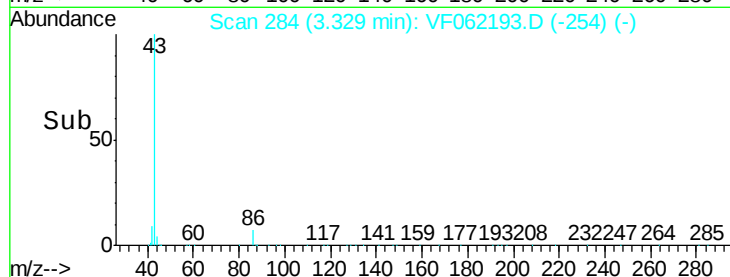
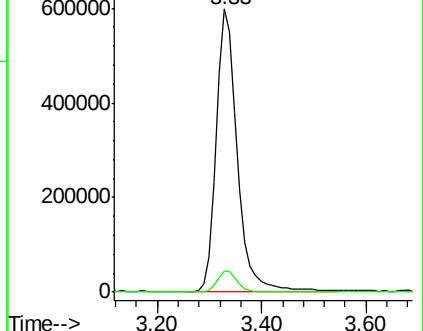
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 37.987 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

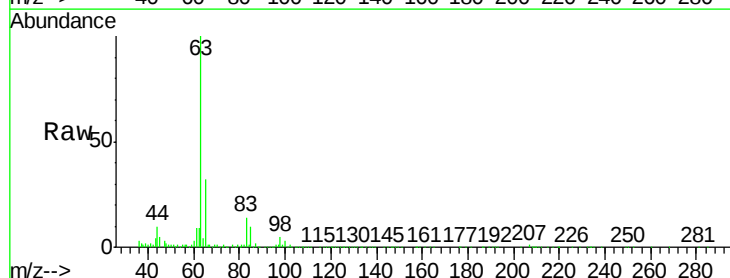
Tgt Ion: 63 Resp: 343509

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

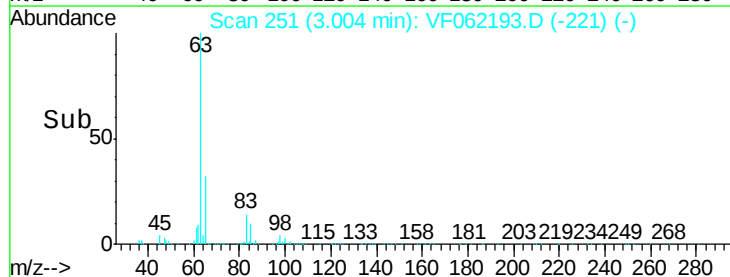
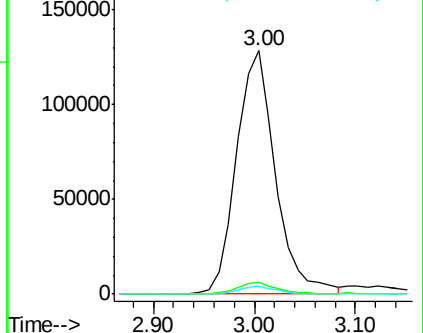
100 3.3 1.7 5.0

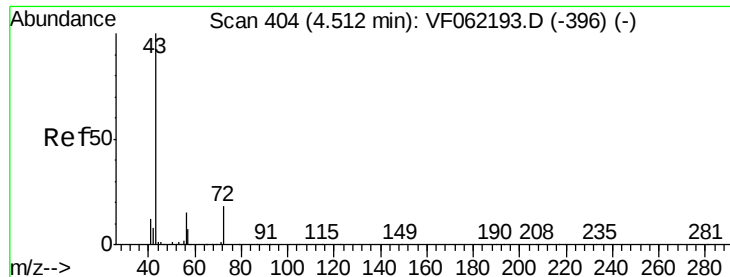


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 102.252 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 439643

Ion Ratio Lower Upper

43 100

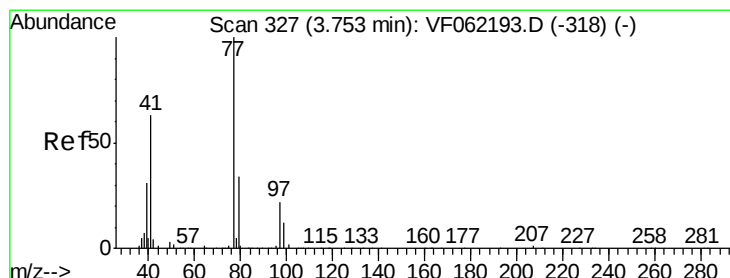
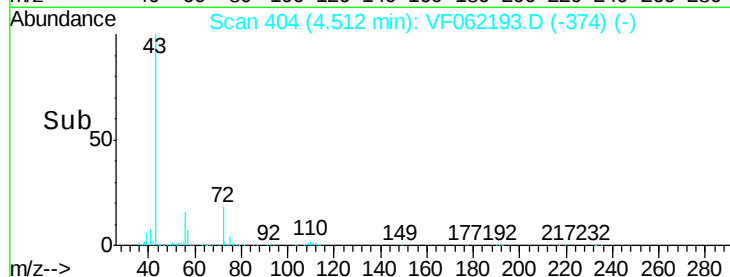
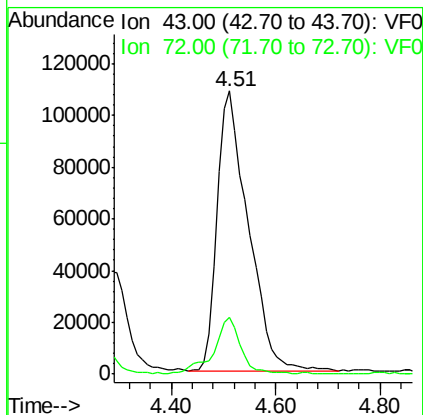
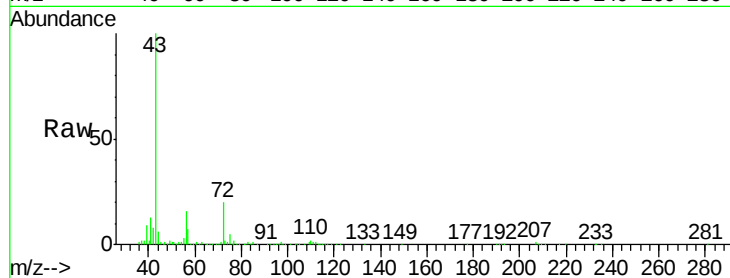
72 20.1 16.1 24.1

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#26

2,2-Dichloropropane

Concen: 26.261 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF062193.D

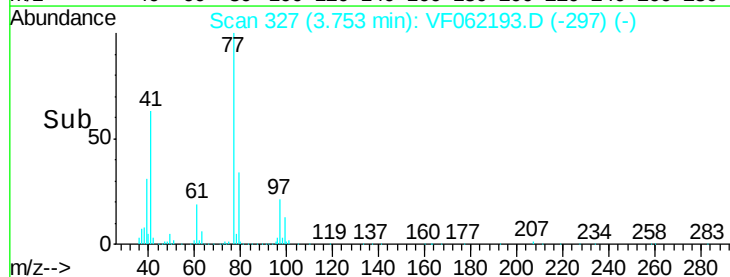
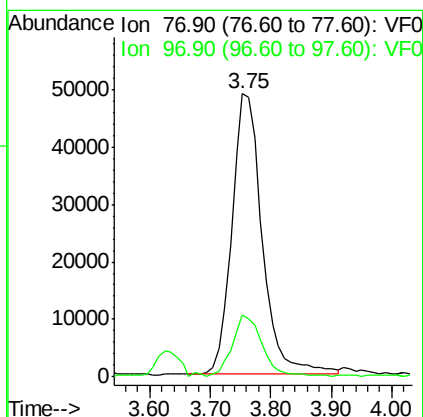
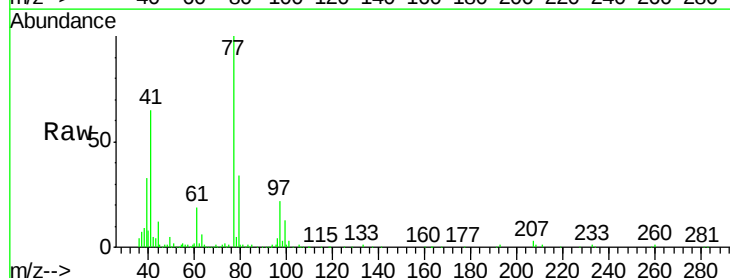
Acq: 17 Apr 2019 18:38

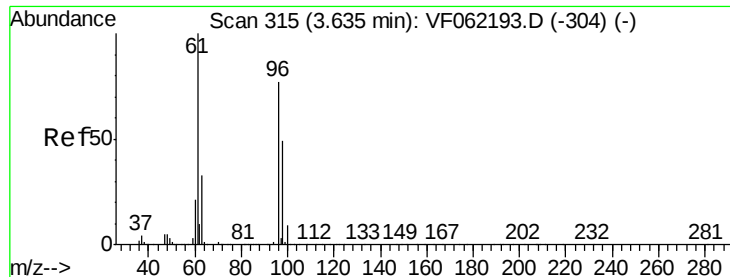
Tgt Ion: 77 Resp: 170017

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

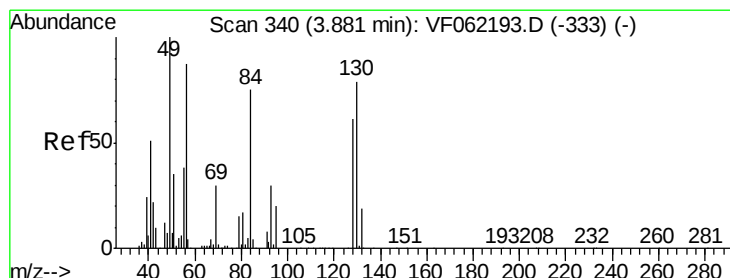
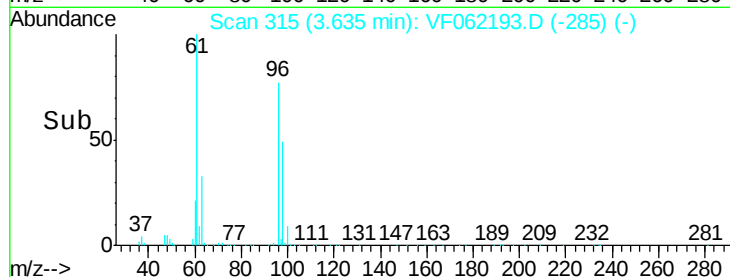
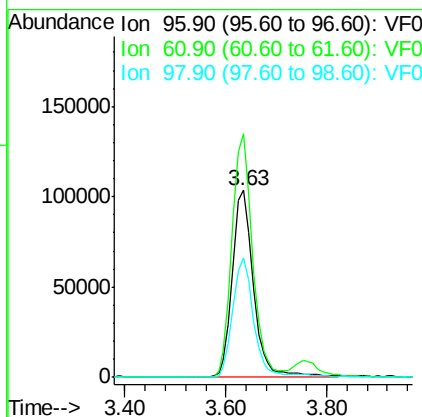
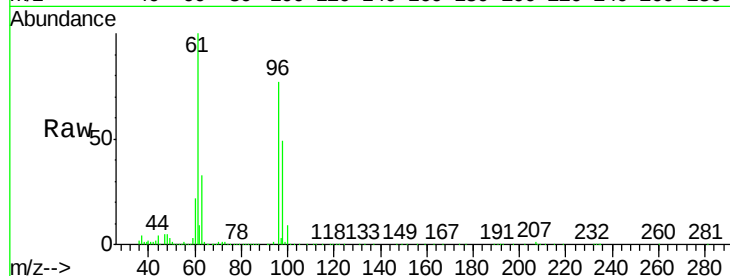
cis-1,2-Dichloroethene
Concen: 53.968 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	126.8	0.0	253.6
98	62.4	0.0	124.8

Manual Integrations
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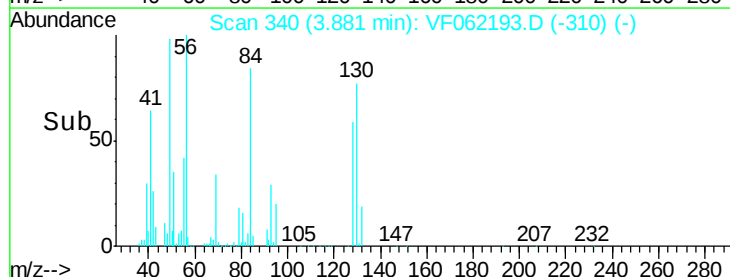
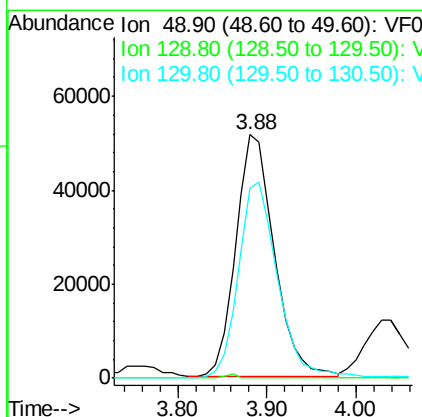
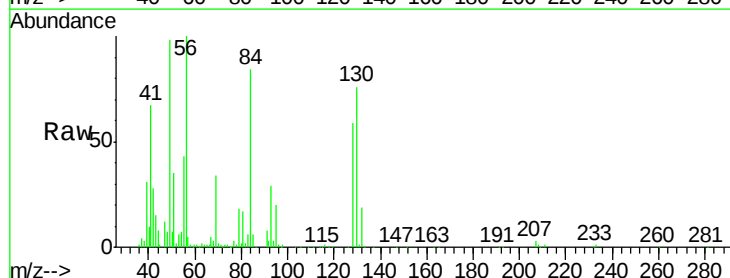
MMDadoda
4/19/2019 10:53:20 AM

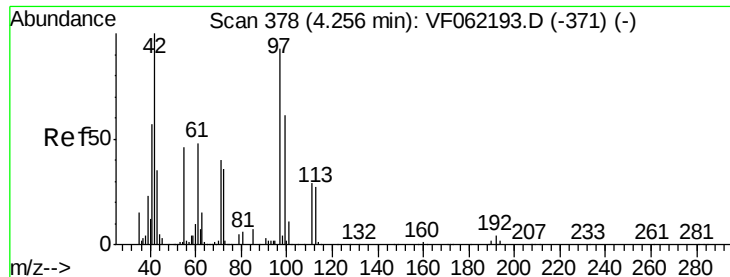


#28

Bromochloromethane
Concen: 36.683 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.3	66.6	100.0





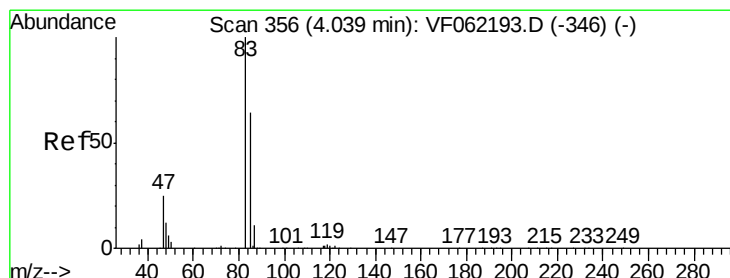
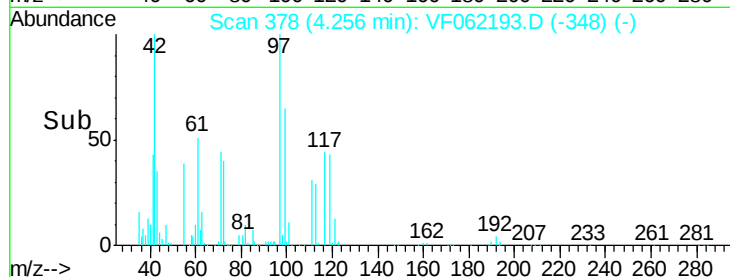
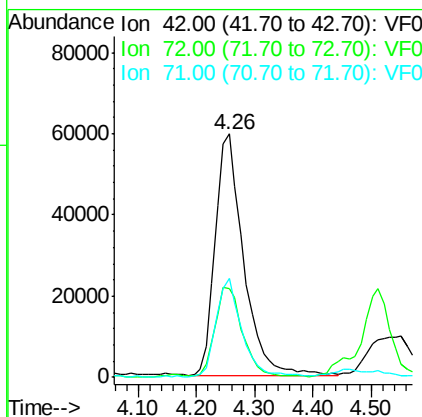
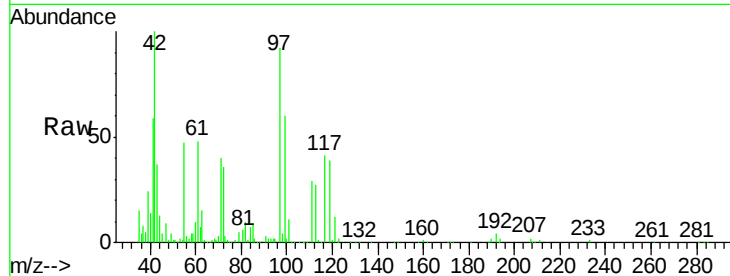
#29
Tetrahydrofuran
Concen: 70.878 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	200599		
72	35.9		28.6	43.0
71	36.5		29.2	43.8

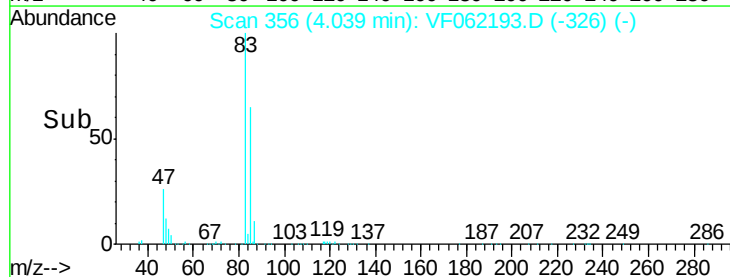
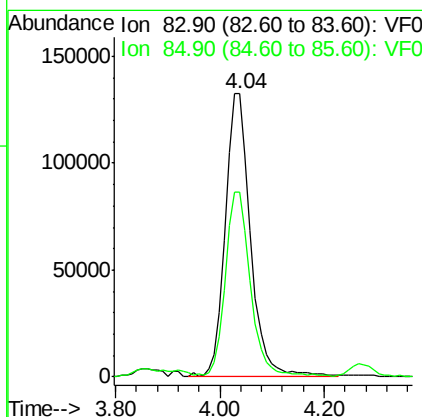
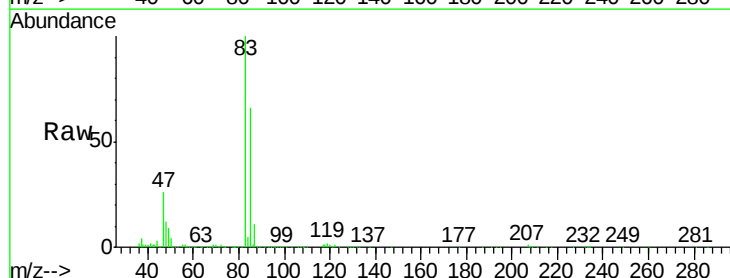
Manual Integrations
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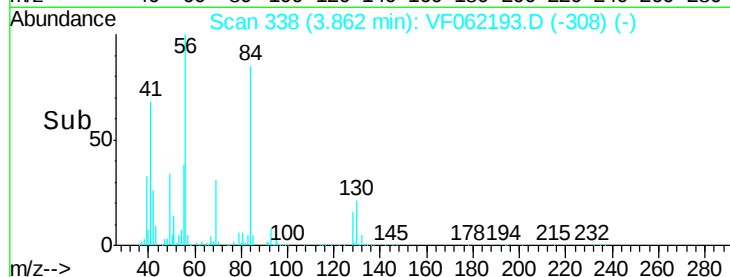
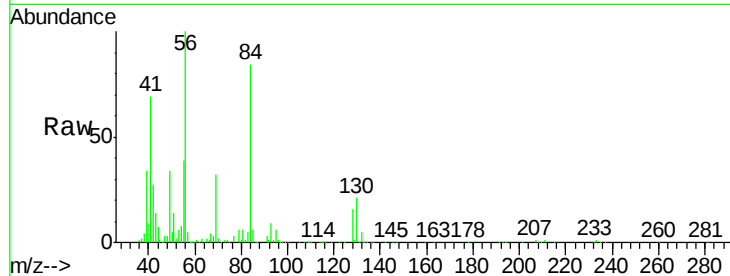
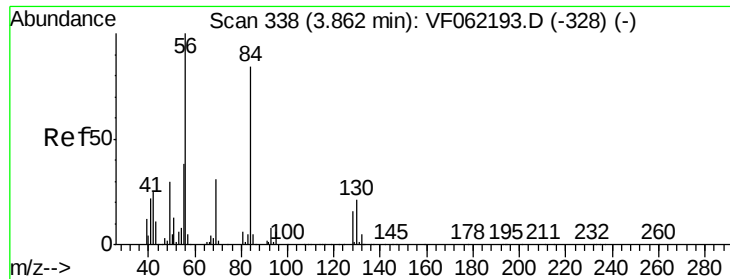
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#30
Chloroform
Concen: 52.120 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	444941		
85	64.8		51.8	77.8





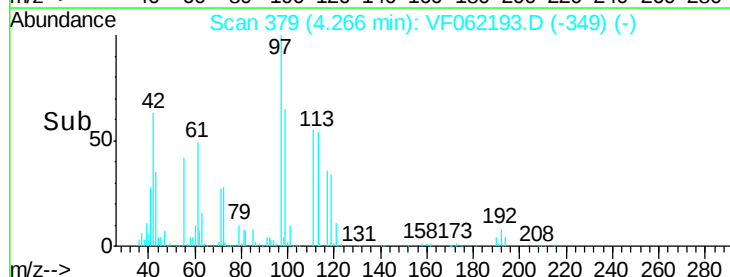
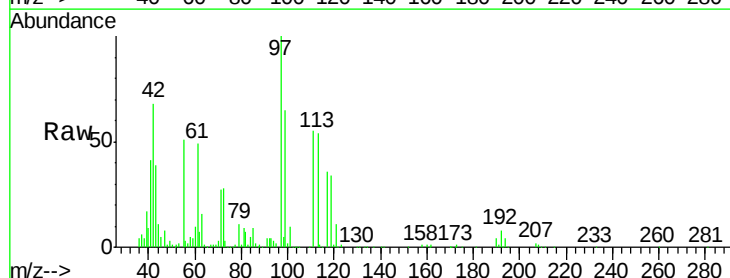
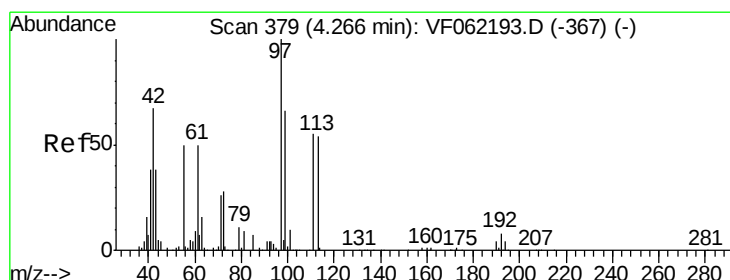
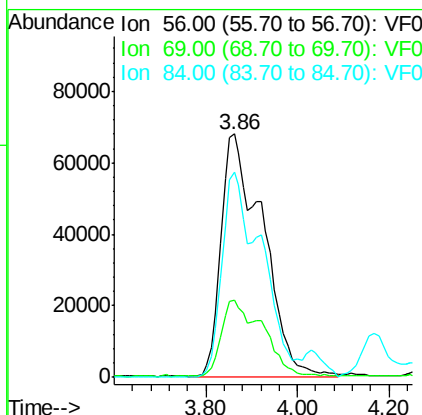
#31
Cyclohexane
Concen: 46.567 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.1	37.7
84	84.7	67.8	101.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

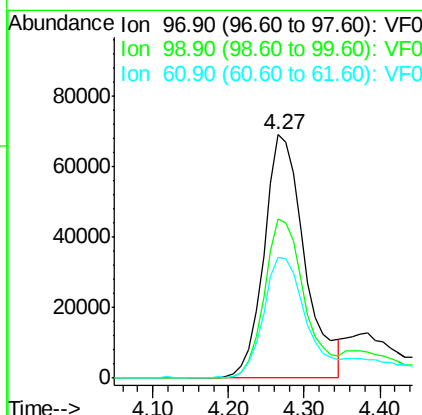
Manual Integrations
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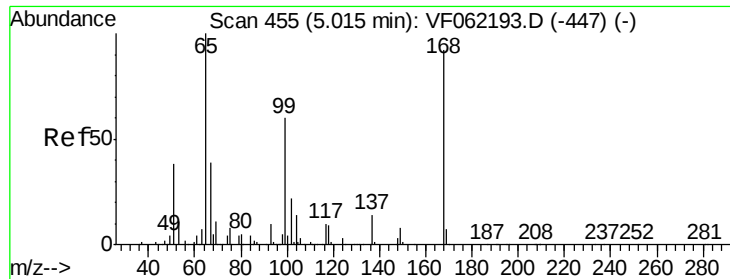
MMDadoda
4/19/2019 10:53:20 AM



#32
1,1,1-Trichloroethane
Concen: 38.382 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.7	79.1
61	66.2	53.0	79.4





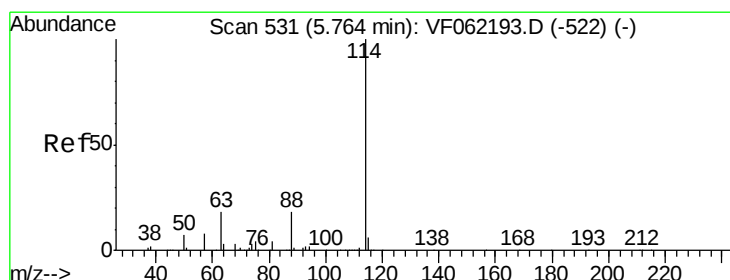
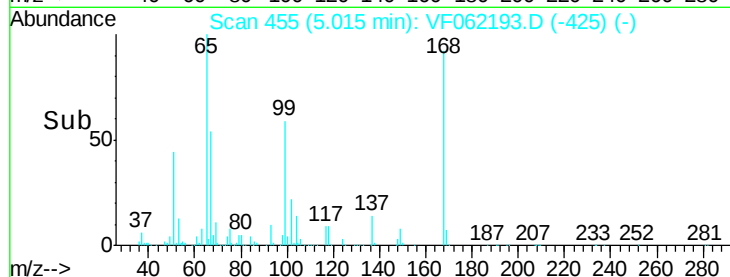
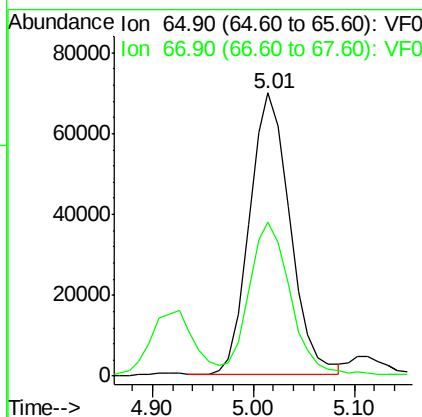
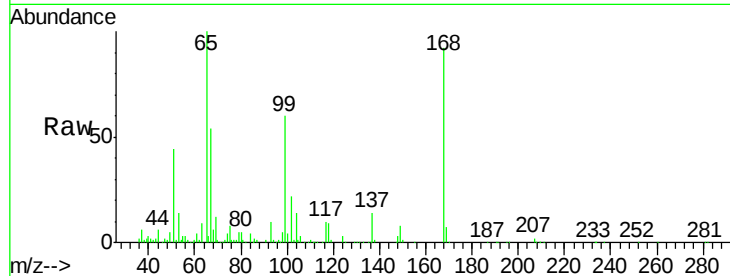
#33
 1,2-Dichloroethane-d4
 Concen: 35.627 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194617		
67	54.7	0.0	109.4	

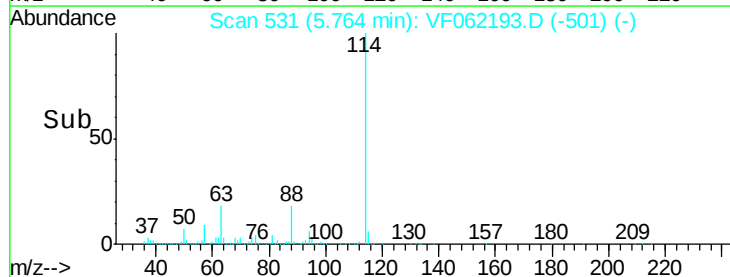
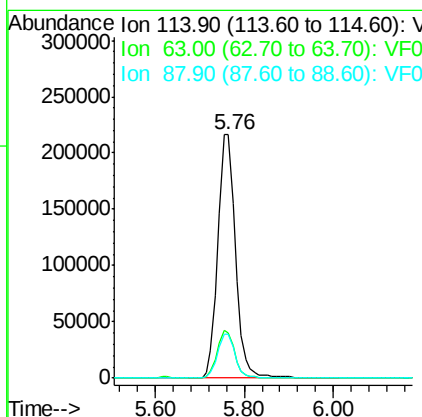
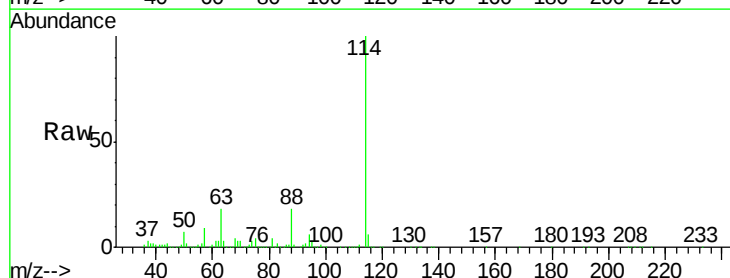
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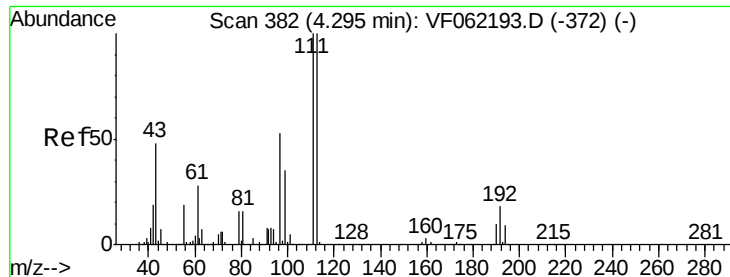
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	597159		
63	18.3	0.0	36.6	
88	17.9	0.0	35.8	





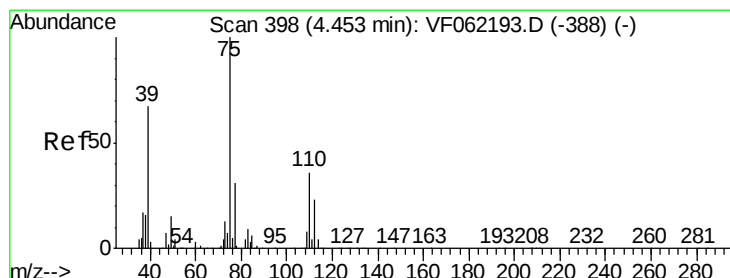
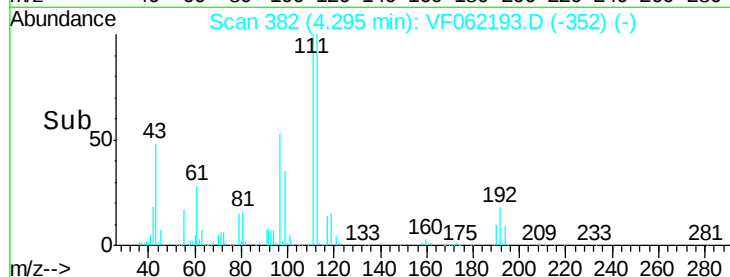
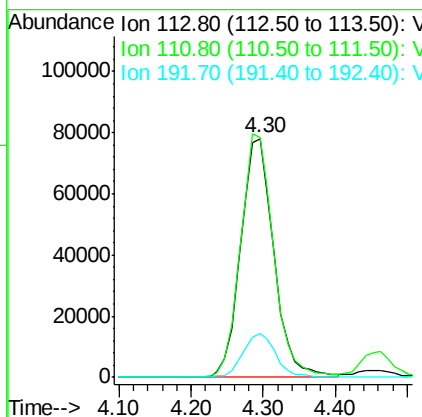
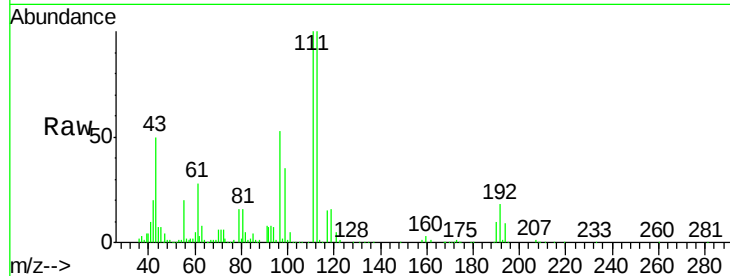
#35
 Dibromofluoromethane
 Concen: 61.371 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	251336		
111	101.4	81.1	121.7	
192	18.4	14.7	22.1	

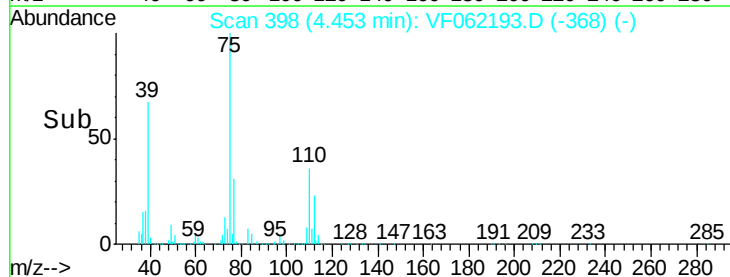
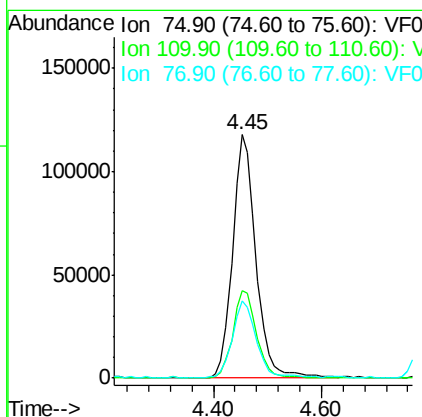
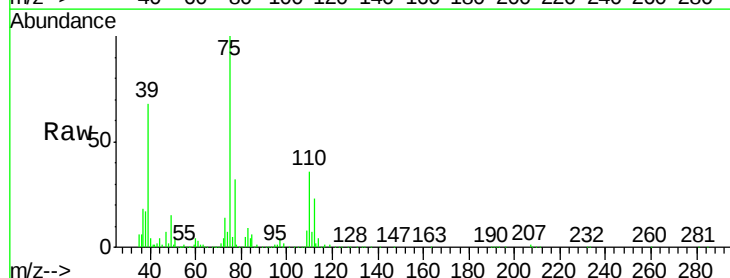
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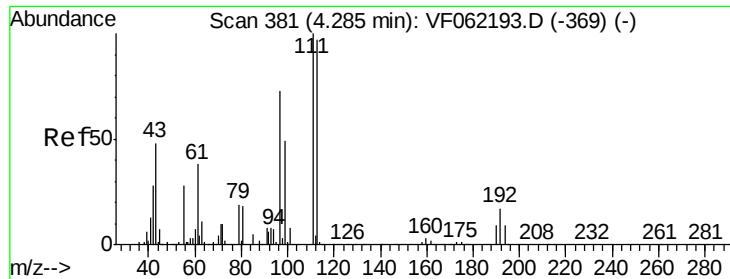
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#36
 1,1-Dichloropropene
 Concen: 55.459 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	355060		
110	36.8	18.4	55.2	
77	31.8	25.4	38.2	





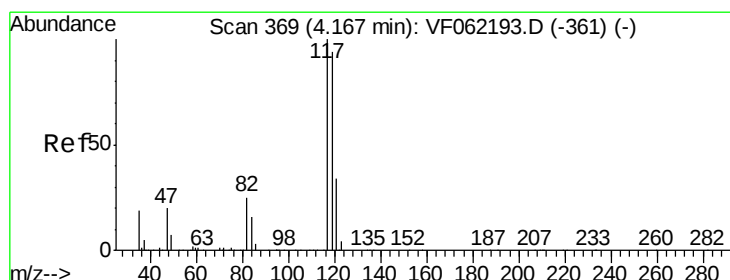
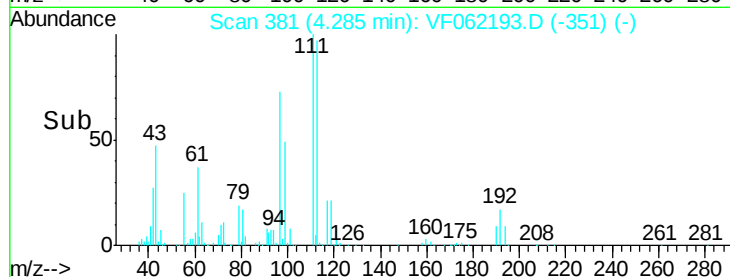
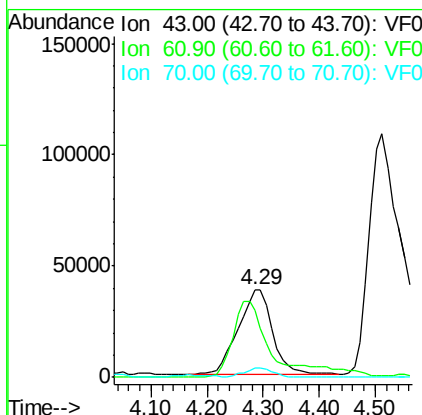
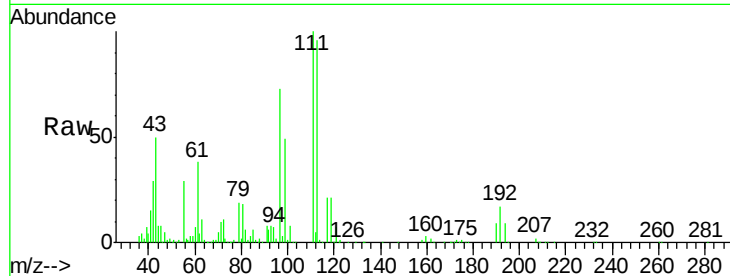
#37
Ethyl Acetate
Concen: 22.777 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	9.7	7.8	11.6

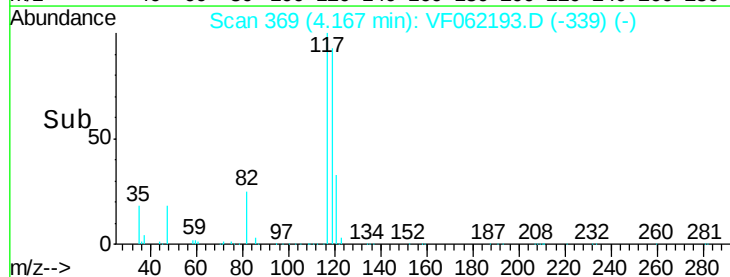
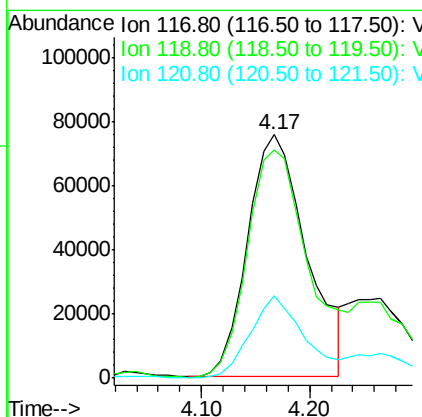
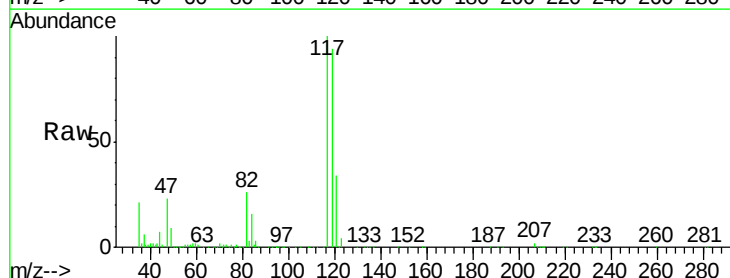
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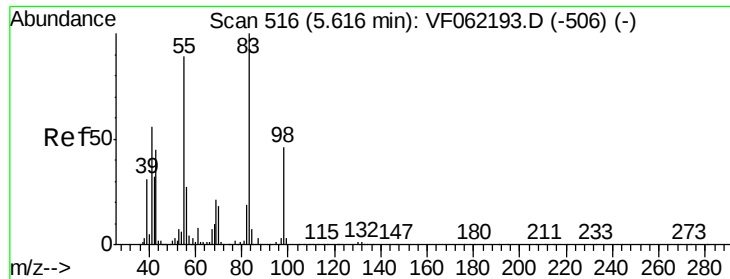
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#38
Carbon Tetrachloride
Concen: 53.863 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.0	112.4
121	33.6	26.9	40.3





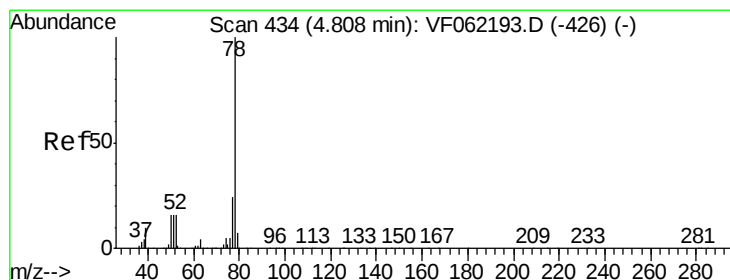
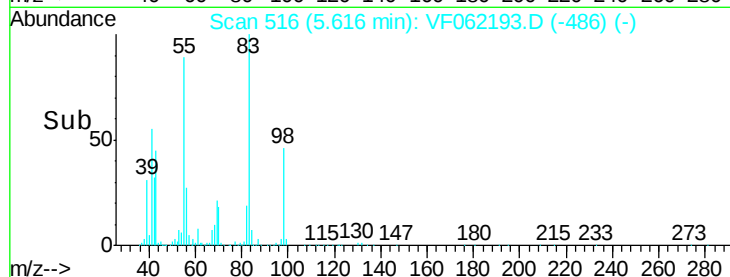
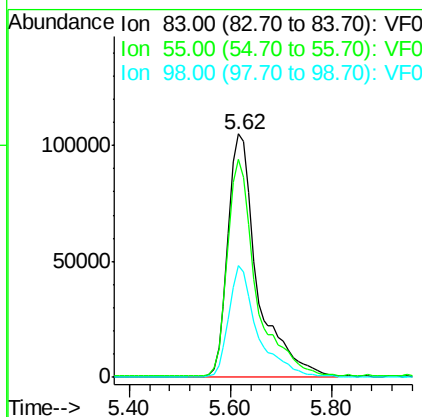
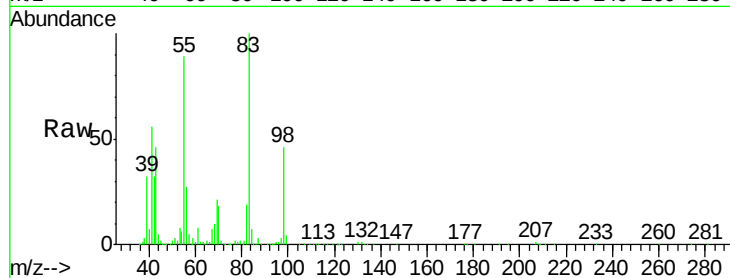
#39
Methvlcvclohexane
Concen: 54.906 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	71.0	106.6
98	45.9	36.7	55.1

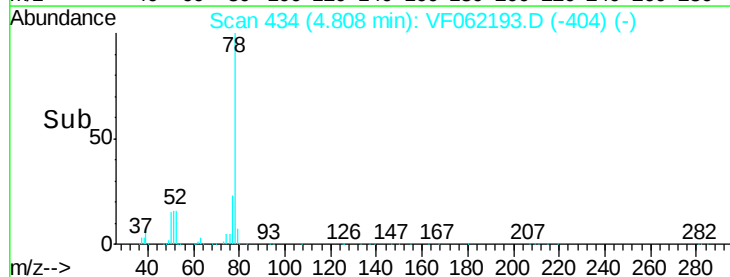
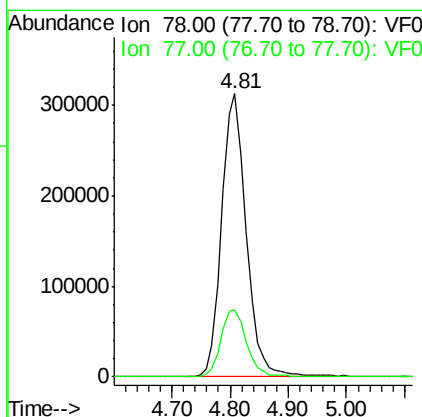
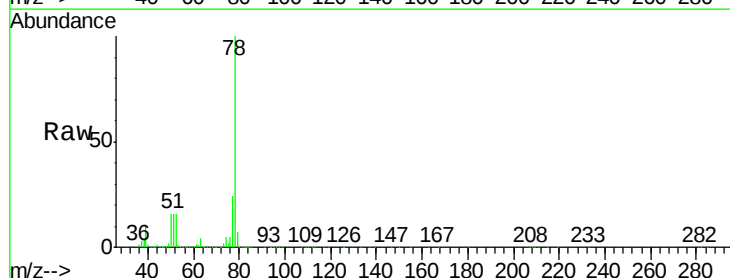
Manual Integrations
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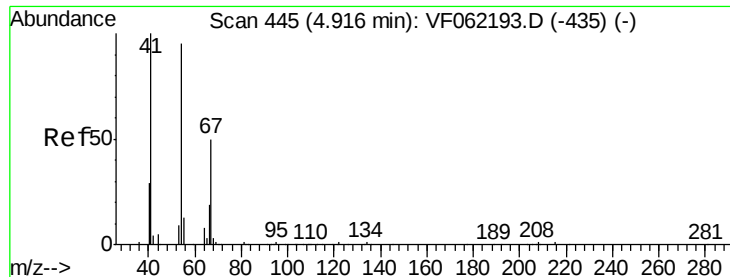
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#40
Benzene
Concen: 49.756 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





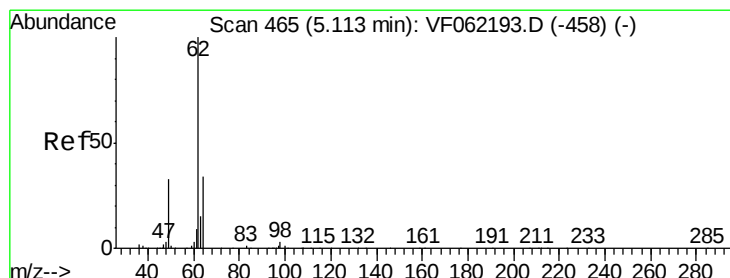
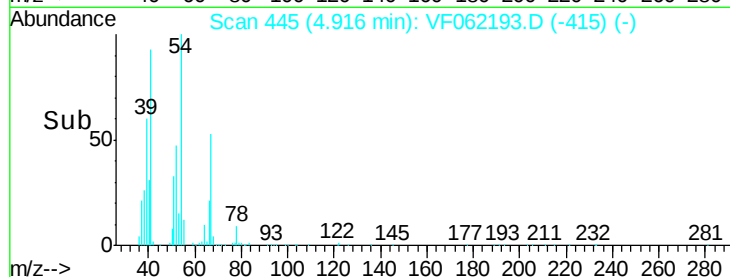
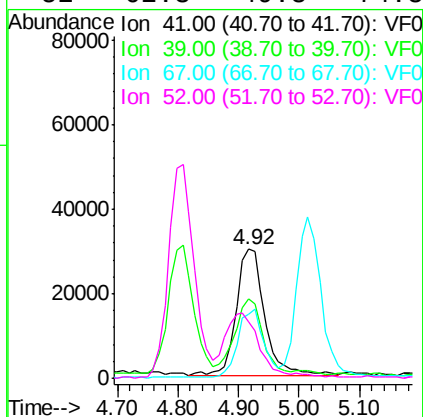
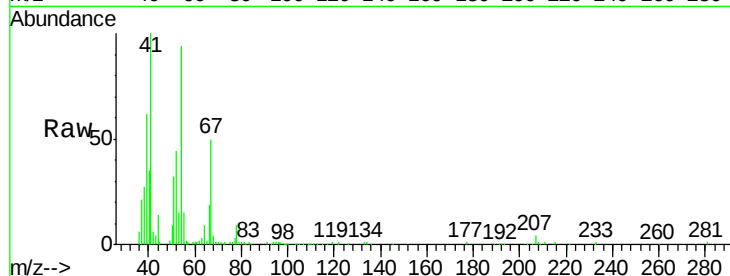
#41
Methacrylonitrile
Concen: 23.659 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.7	67.1
67	48.9	39.1	58.7
52	62.3	49.8	74.8

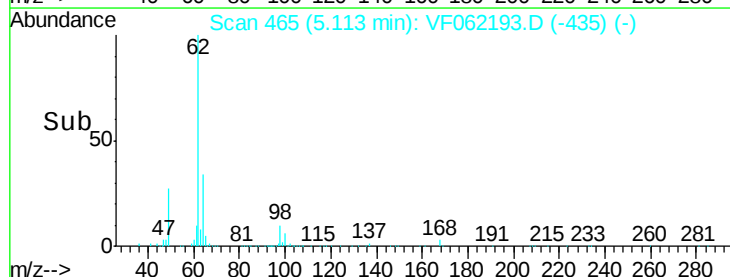
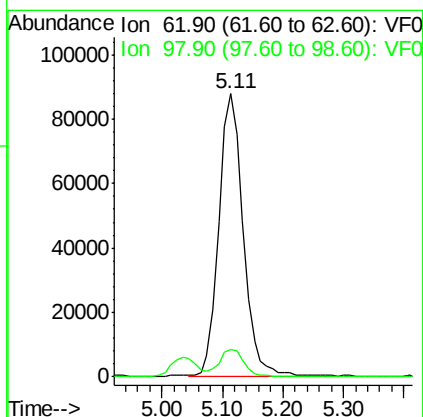
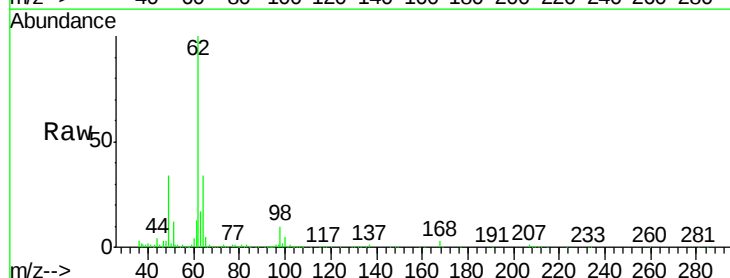
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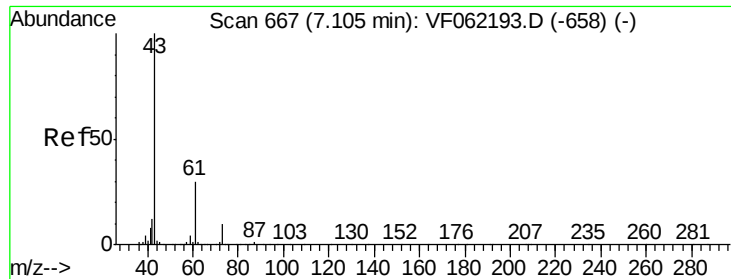
MMDadoda
4/19/2019 10:53:20 AM



#42
1,2-Dichloroethane
Concen: 39.111 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

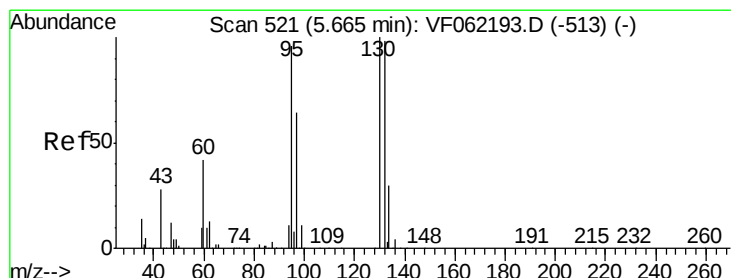
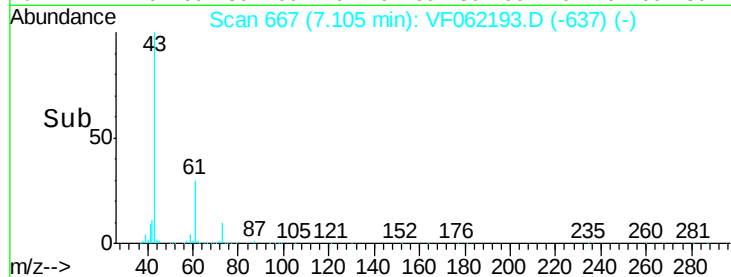
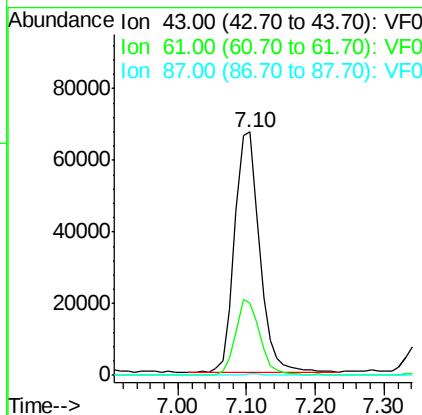
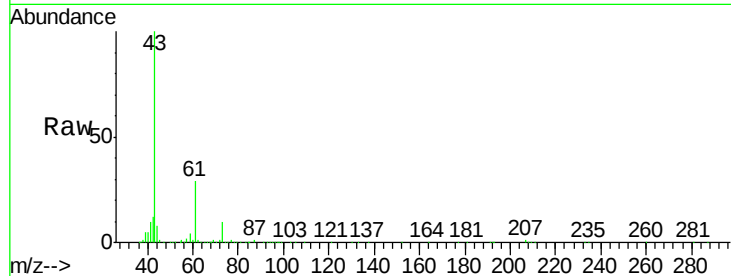
Isopropyl Acetate
 Concen: 15.113 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	24.4	36.6
87	0.5	0.4	0.6

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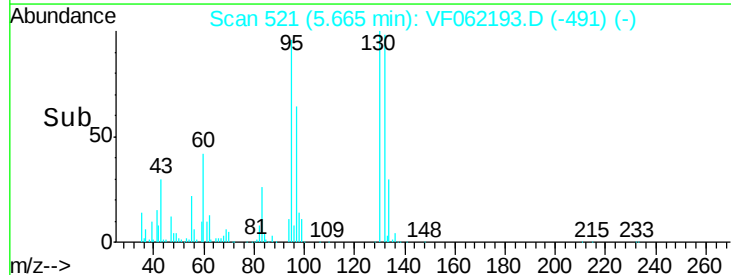
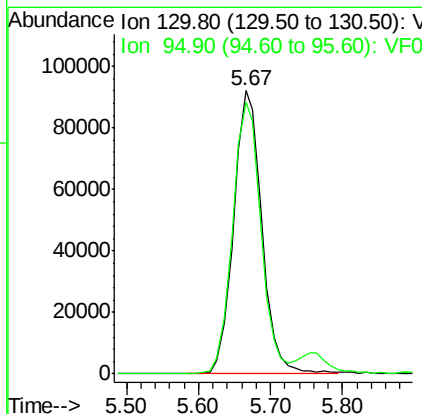
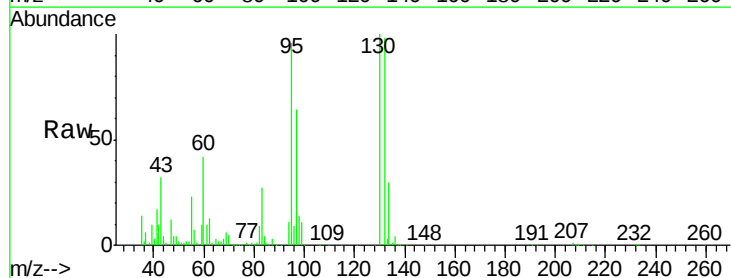
MMDadoda
 4/19/2019 10:53:20 AM

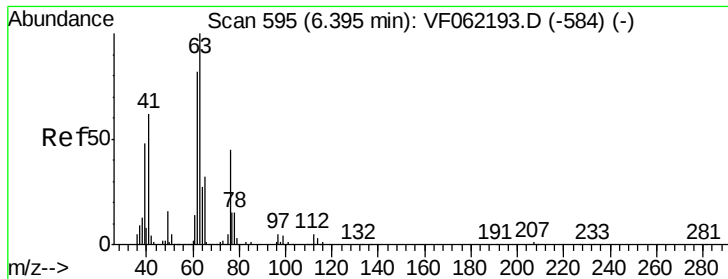


#44

Trichloroethene
 Concen: 54.677 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	191.4





#45

1,2-Dichloropropane

Concen: 41.000 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 201280

Ion Ratio Lower Upper

63 100

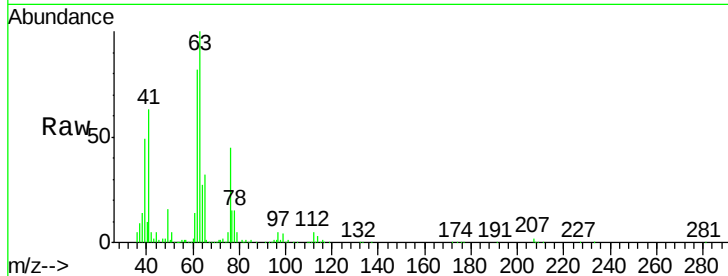
65 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.39

80000

60000

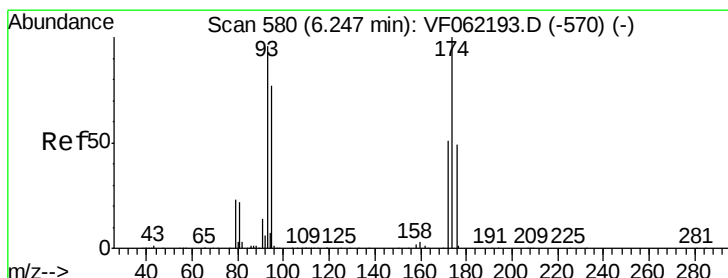
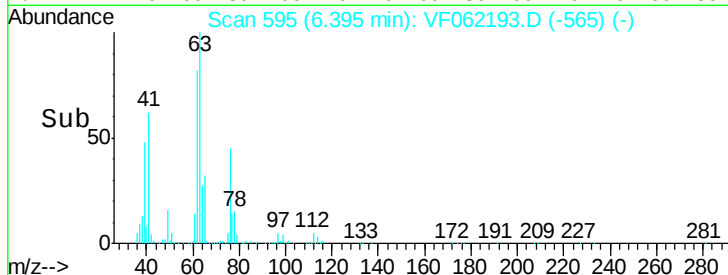
40000

20000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#46

Dibromomethane

Concen: 47.726 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

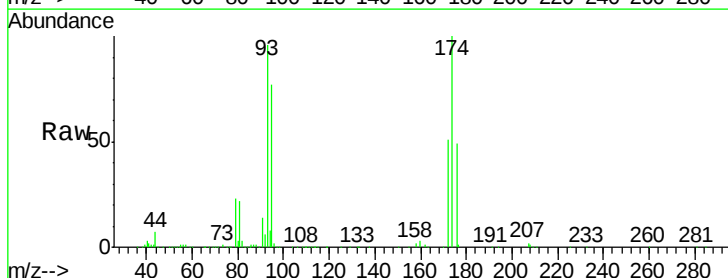
Tgt Ion: 93 Resp: 140441

Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

174 102.2 81.8 122.6



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

6.25

80000

60000

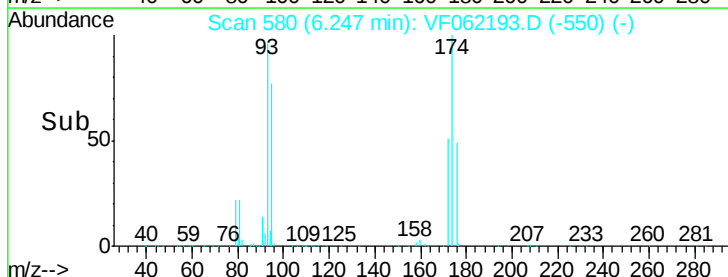
40000

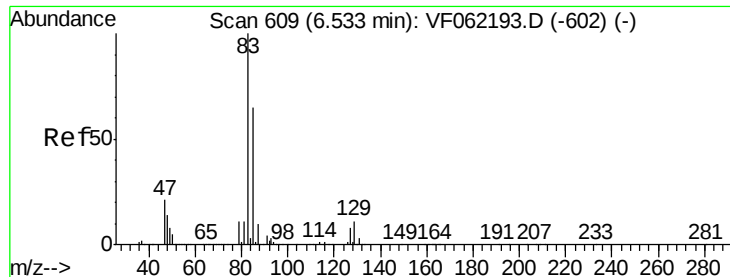
20000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 51.871 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

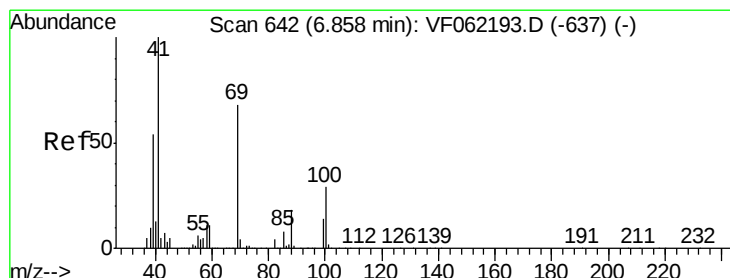
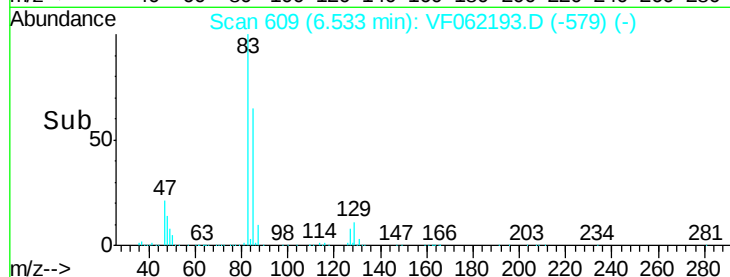
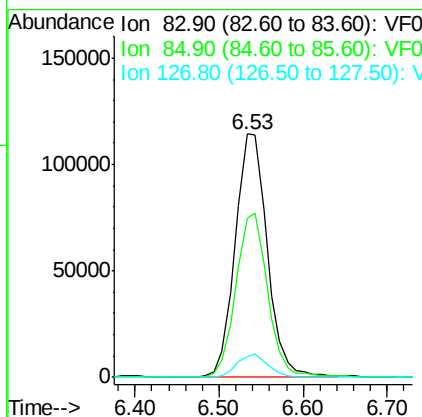
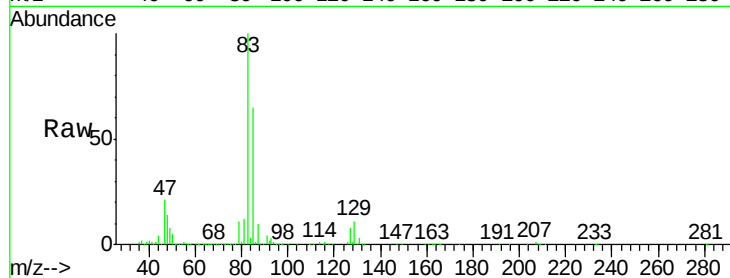
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	302974
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.997 ug/l

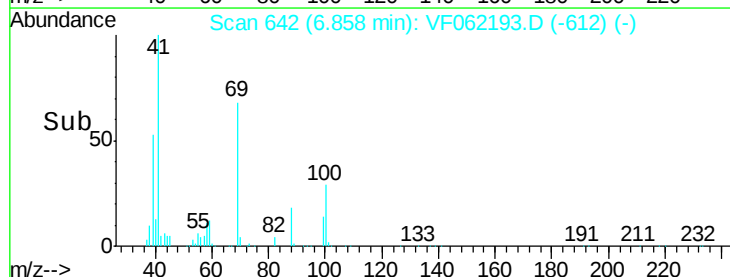
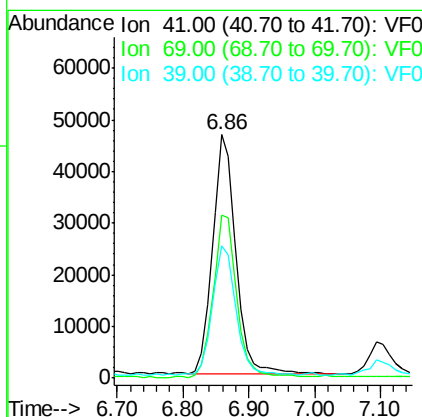
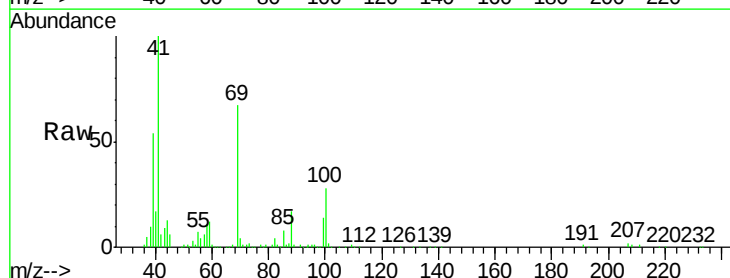
RT: 6.86 min Scan# 642

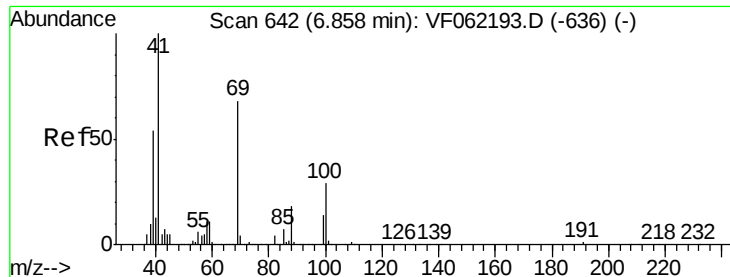
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	41	Resp:	113192
Ion	Ratio	Lower	Upper
41	100		
69	68.6	54.9	82.3
39	54.5	43.6	65.4





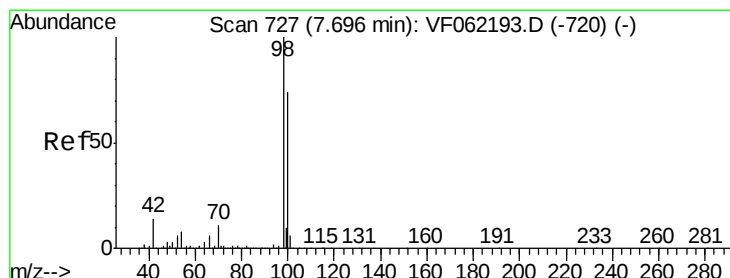
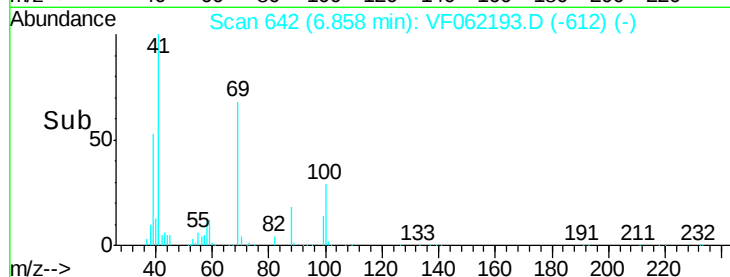
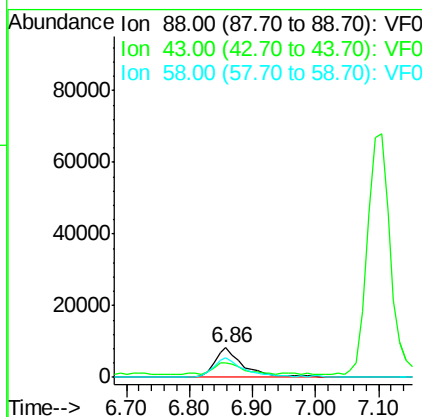
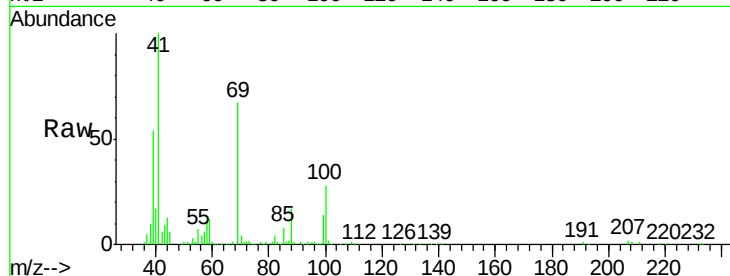
#49
1,4-Dioxane
Concen: 248.263 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.1	36.9	55.3
58	71.0	56.8	85.2

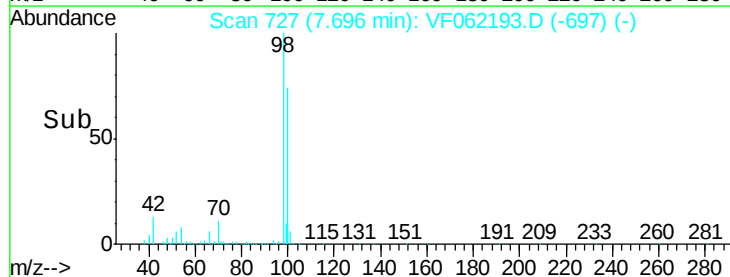
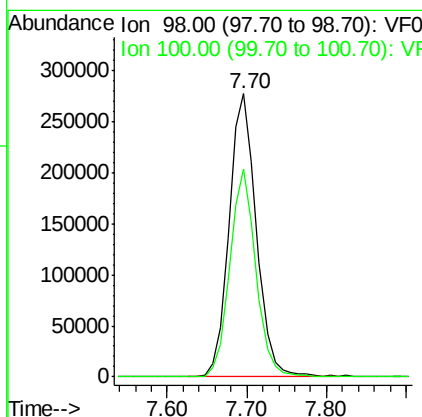
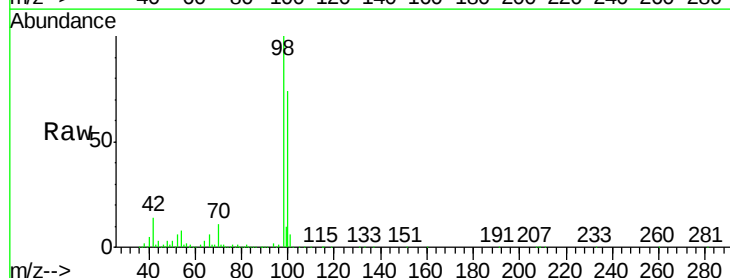
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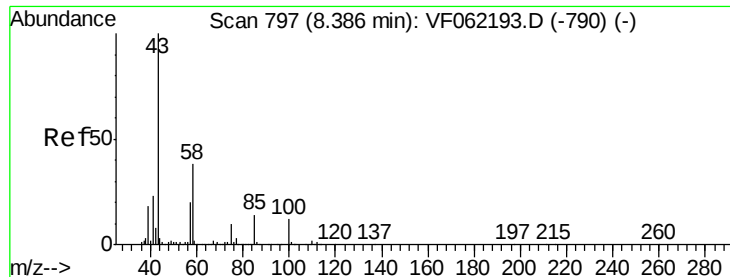
MMDadoda
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#50
Toluene-d8
Concen: 44.532 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 88.247 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 639654

Ion Ratio Lower Upper

43 100

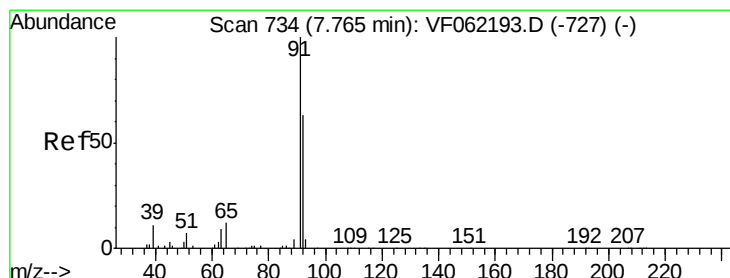
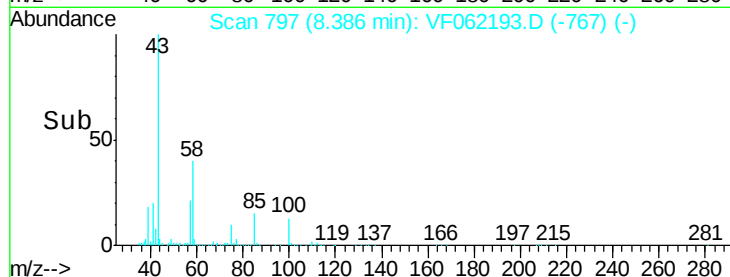
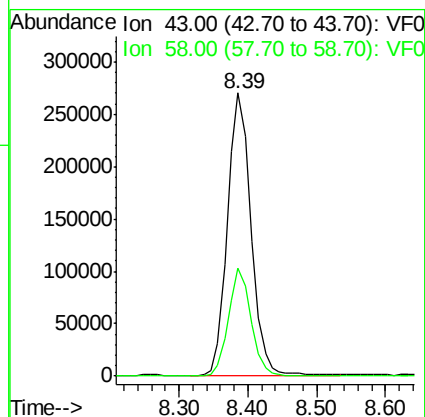
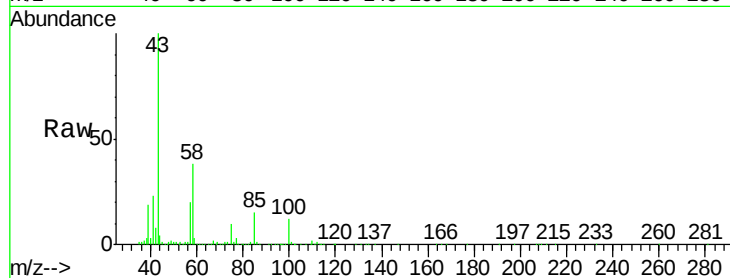
58 36.6 29.3 43.9

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#52

Toluene

Concen: 46.038 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062193.D

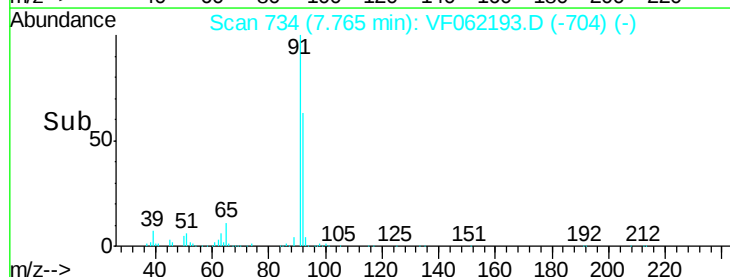
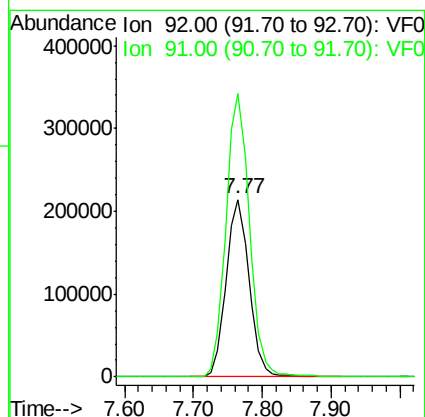
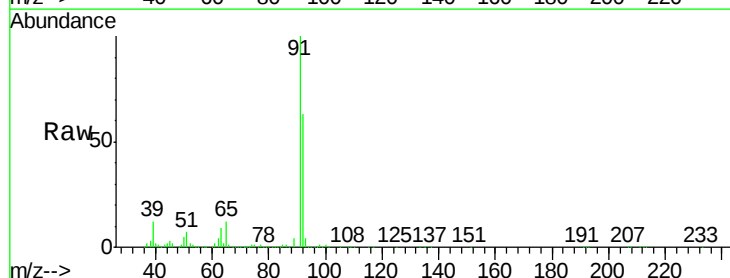
Acq: 17 Apr 2019 18:38

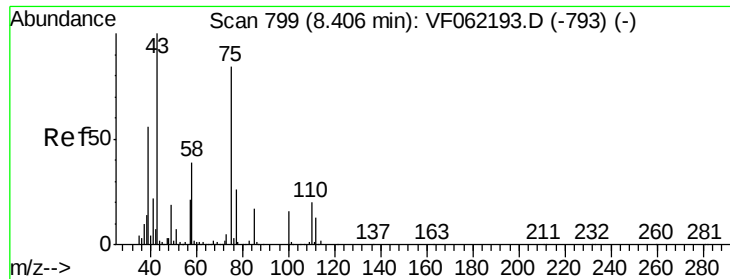
Tgt Ion: 92 Resp: 499316

Ion Ratio Lower Upper

92 100

91 162.6 130.1 195.1





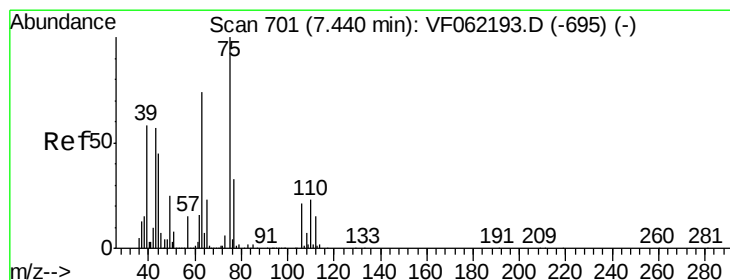
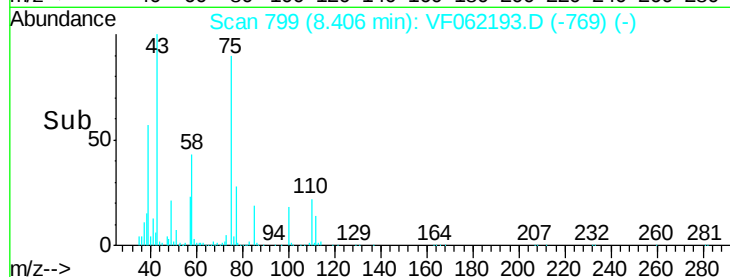
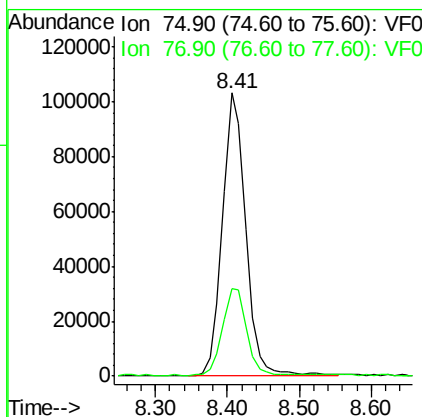
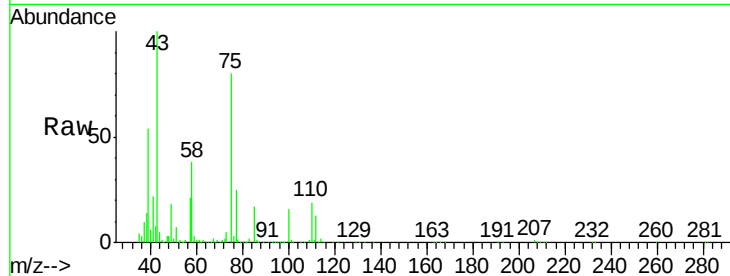
#53
t-1,3-Dichloropropene
Concen: 36.816 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8

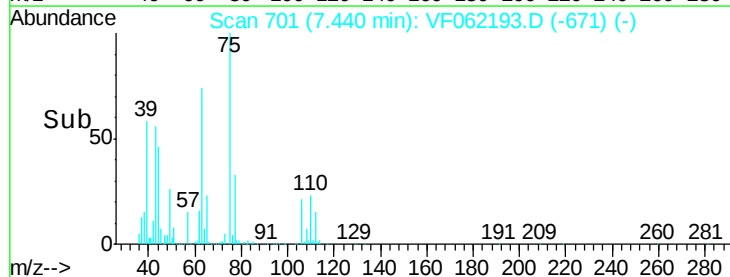
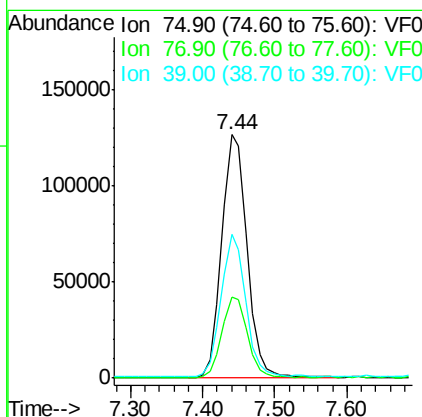
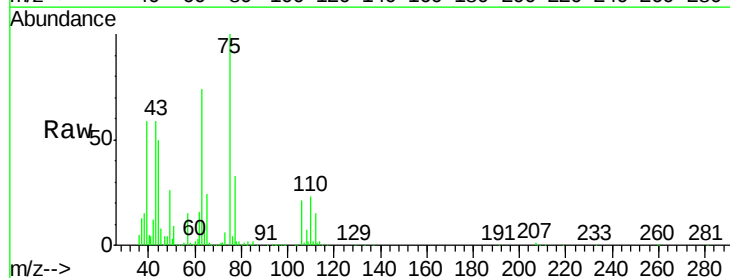
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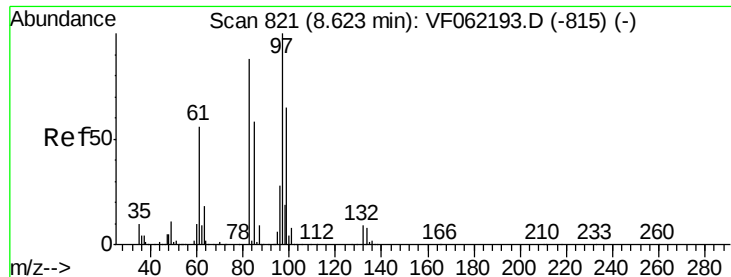
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#54
cis-1,3-Dichloropropene
Concen: 42.804 ug/l
RT: 7.44 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.4	39.6
39	58.4	46.7	70.1





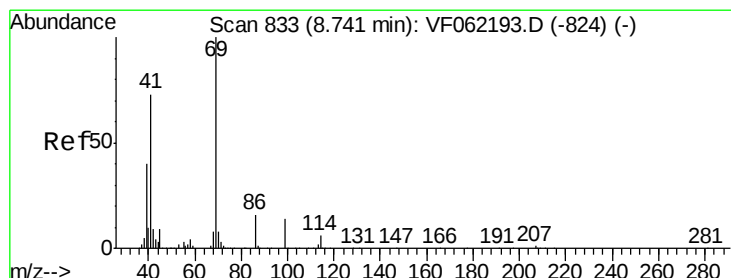
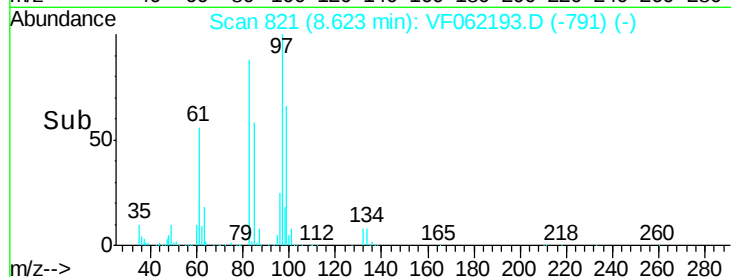
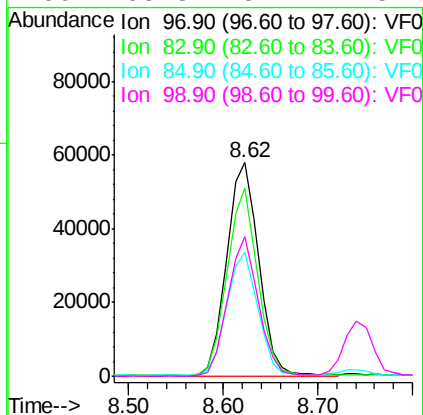
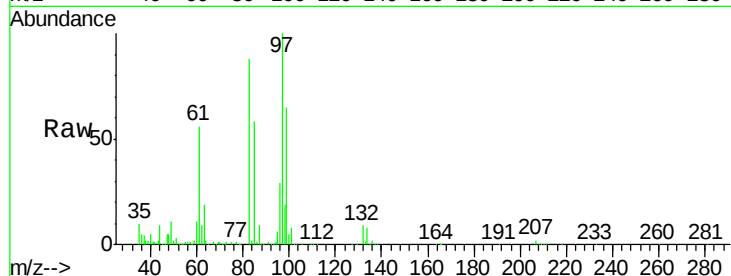
#55
 1,1,2-Trichloroethane
 Concen: 33.475 ug/l
 RT: 8.62 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	136826
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.2
85	57.8	46.2	69.4
99	65.3	52.2	78.4

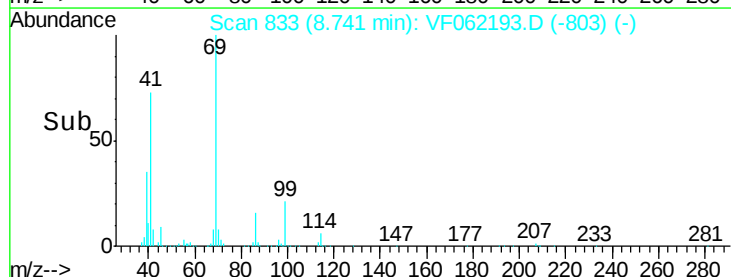
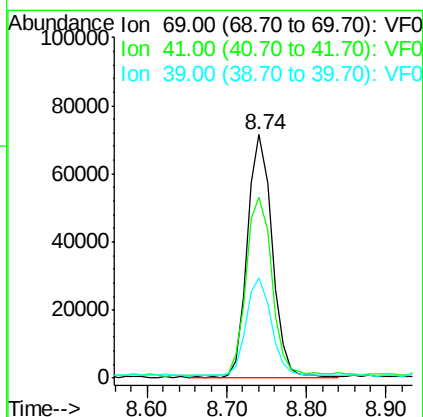
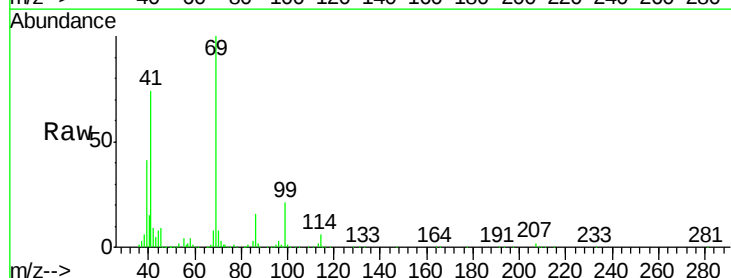
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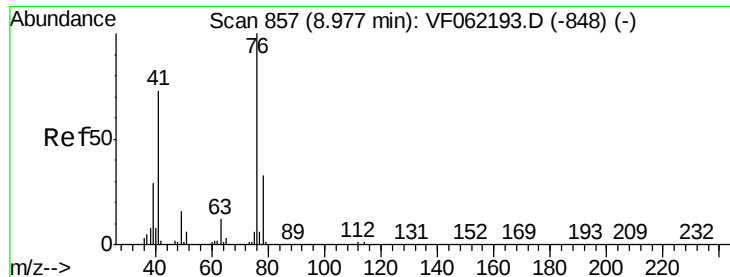
MMDadoda
 4/19/2019 10:53:20 AM



#56
 Ethyl methacrylate
 Concen: 21.645 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:	69	Resp:	151074
Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.5	92.3
39	41.6	33.3	49.9





#57

1,3-Dichloropropane

Concen: 30.677 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 220968

Ion Ratio Lower Upper

76 100

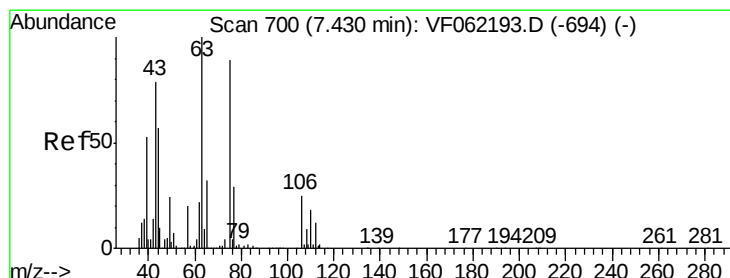
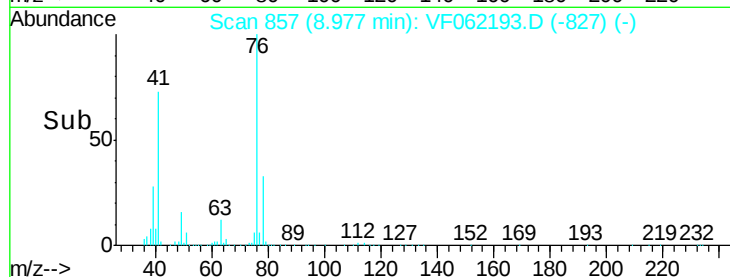
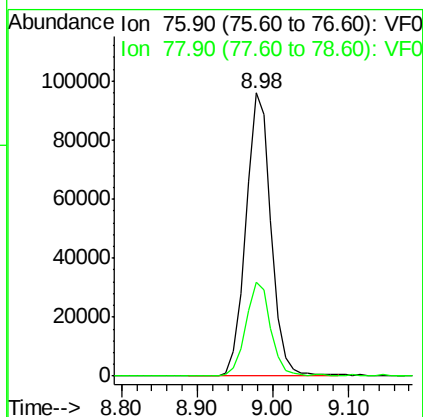
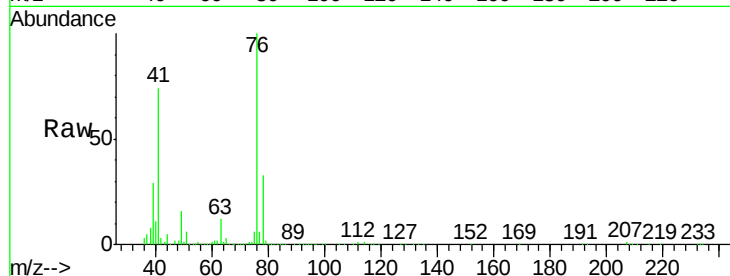
78 33.1 26.5 39.7

Manual Integrations

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4/19/2019 10:53:20 AM



#58

2-Chloroethyl Vinyl ether

Concen: 63.999 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062193.D

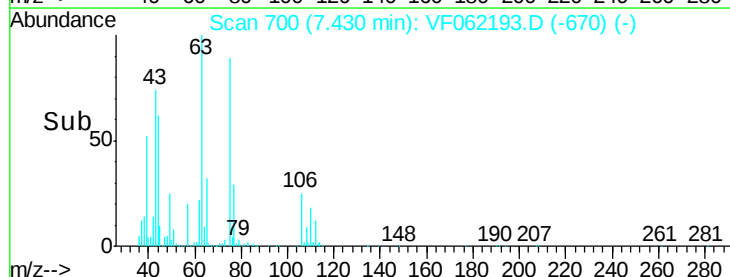
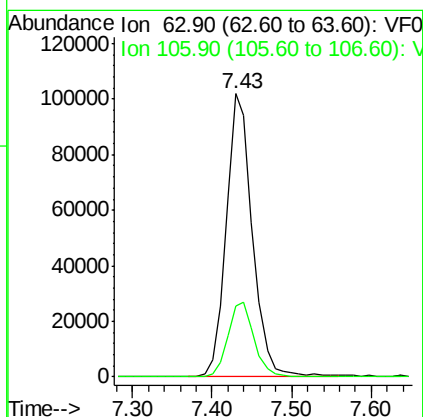
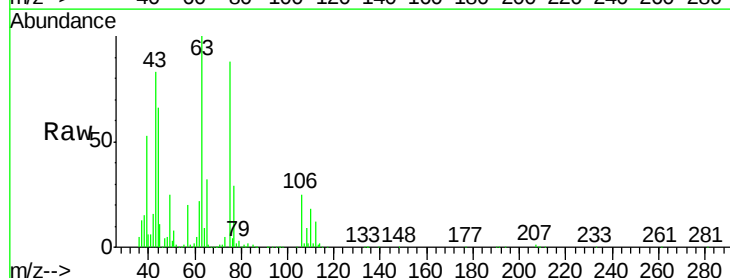
Acq: 17 Apr 2019 18:38

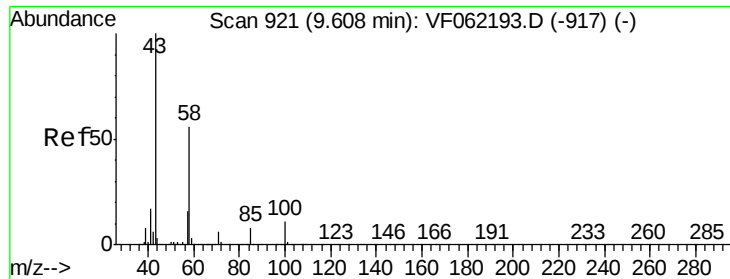
Tgt Ion: 63 Resp: 233236

Ion Ratio Lower Upper

63 100

106 26.7 21.4 32.0





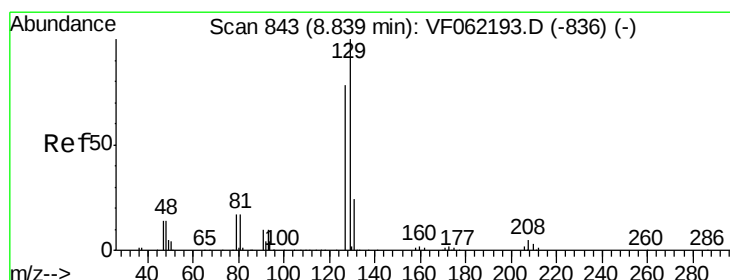
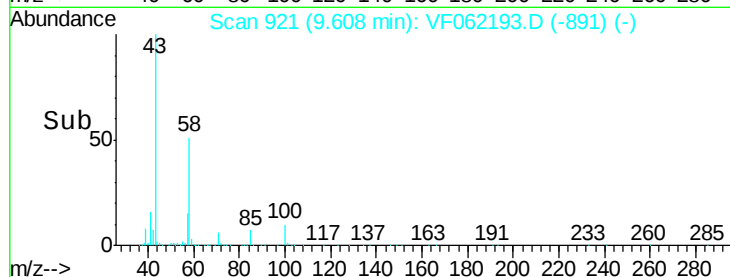
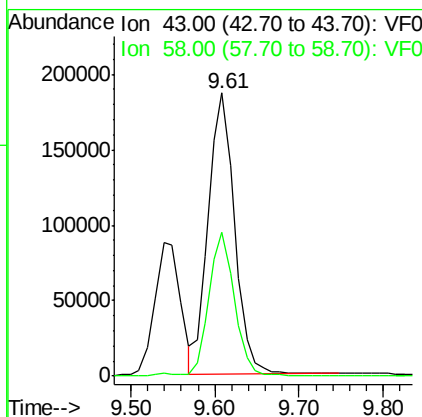
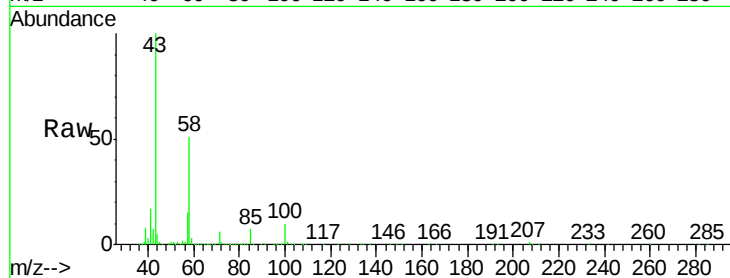
#59
2-Hexanone
Concen: 73.245 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	24.6	74.0

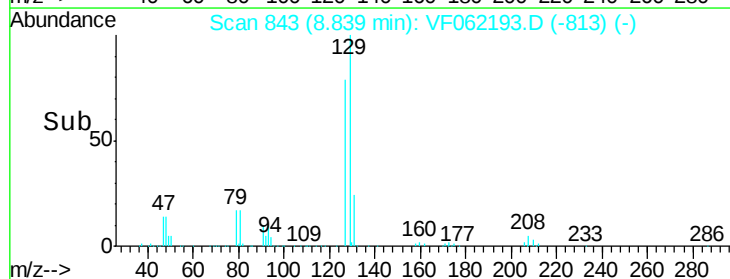
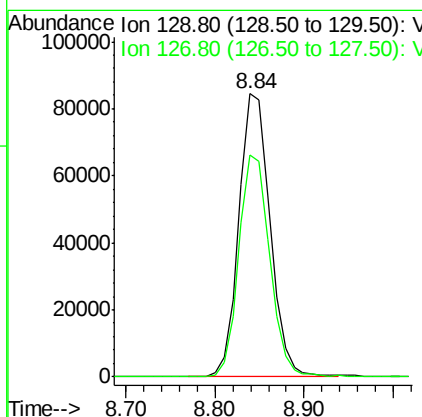
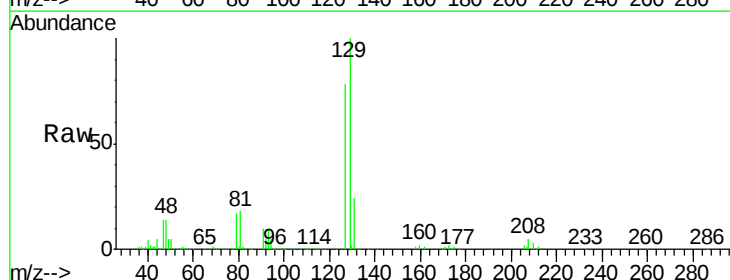
Manual Integrations
APPROVED

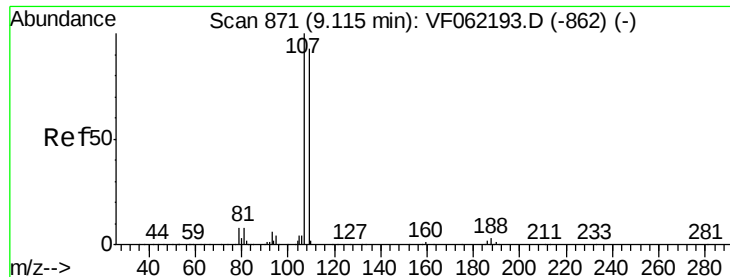
MMDadoda
4/19/2019 10:53:20 AM



#60
Dibromochloromethane
Concen: 49.695 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.0	117.0





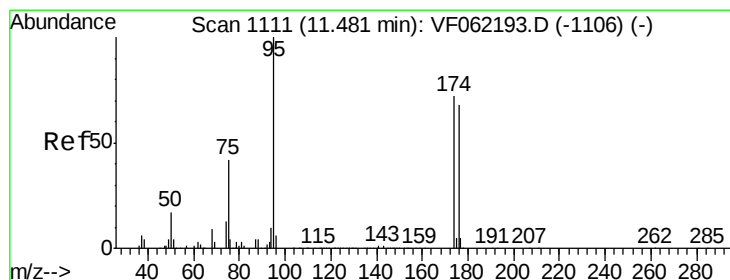
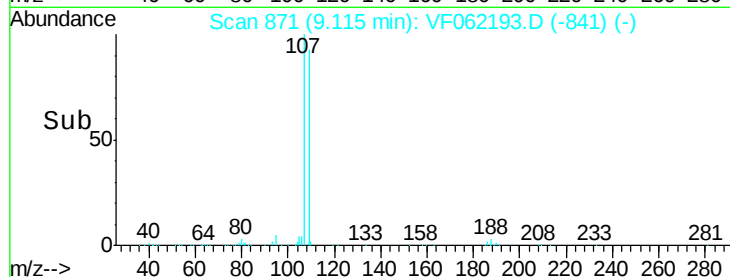
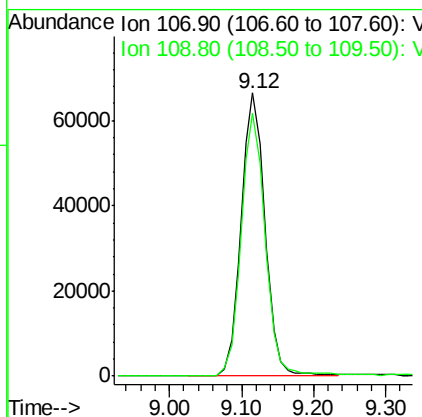
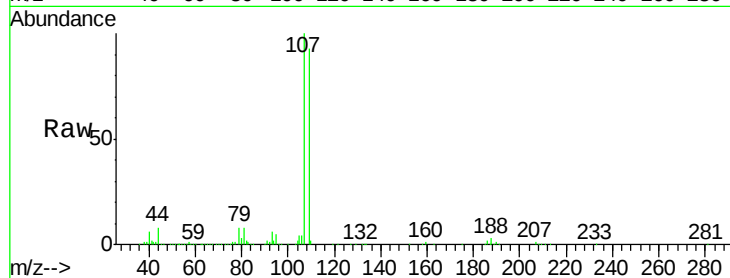
#61
 1,2-Dibromoethane
 Concen: 36.356 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.3	111.5

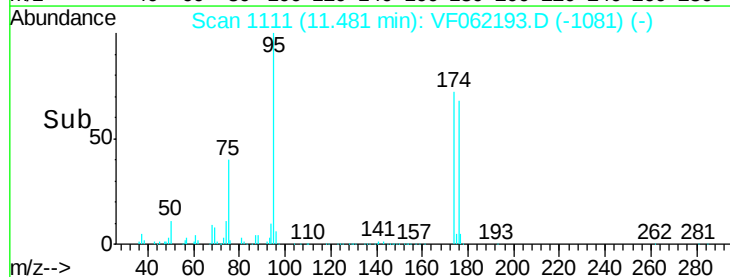
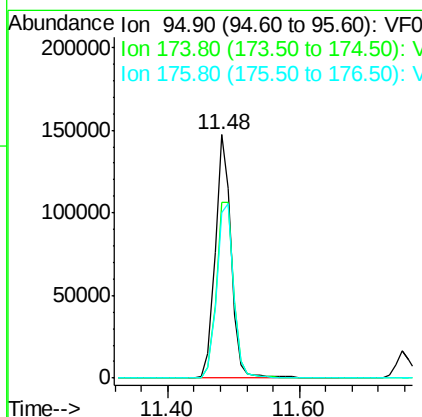
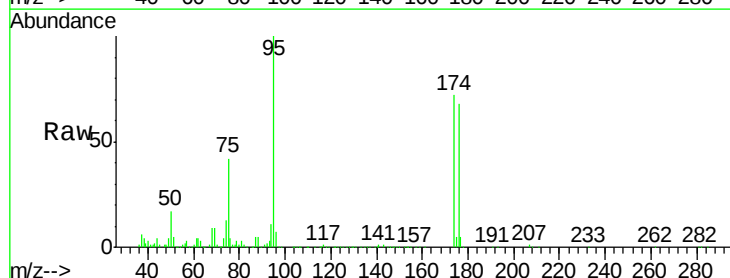
Manual Integrations
 APPROVED

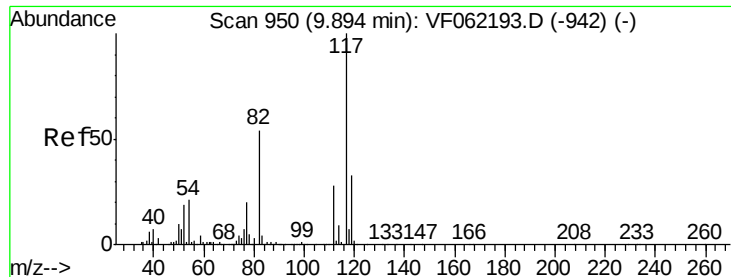
MMDadoda
 4/19/2019 10:53:20 AM



#62
 4-Bromofluorobenzene
 Concen: 45.946 ug/l
 RT: 11.48 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	159.4
176	77.7	0.0	155.4





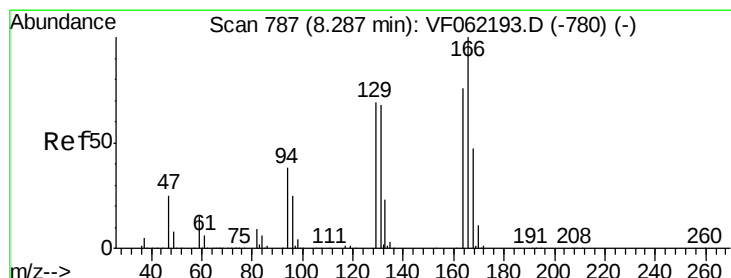
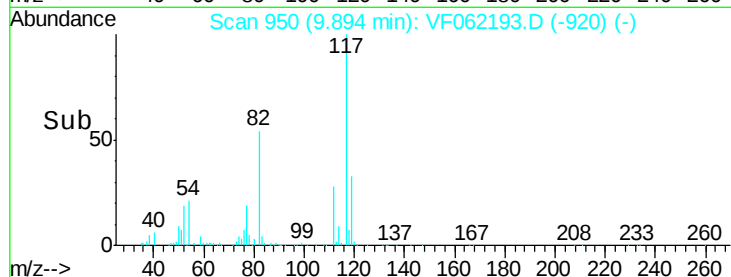
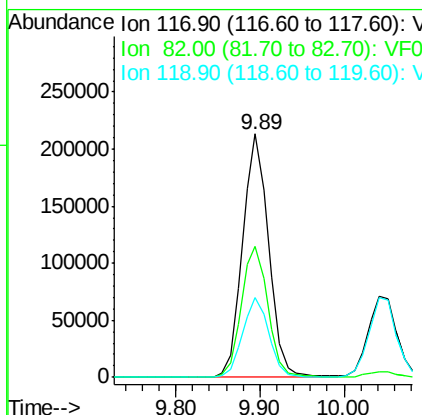
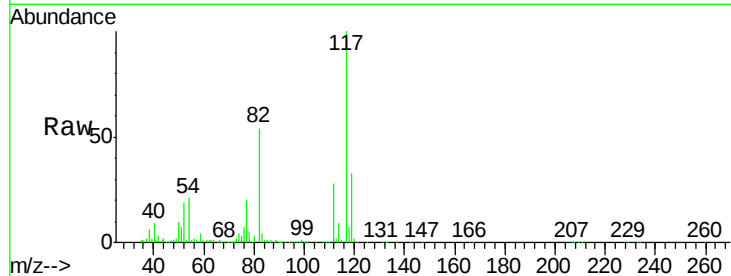
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	461958		
82	54.0		43.2	64.8
119	32.8		26.2	39.4

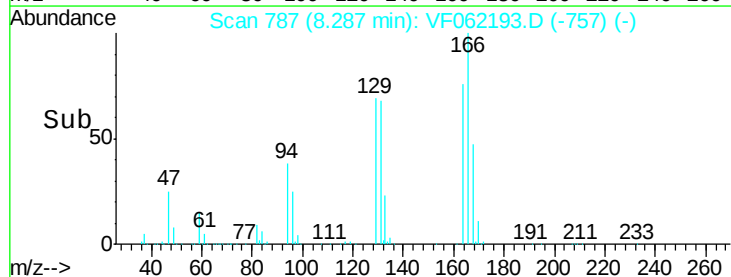
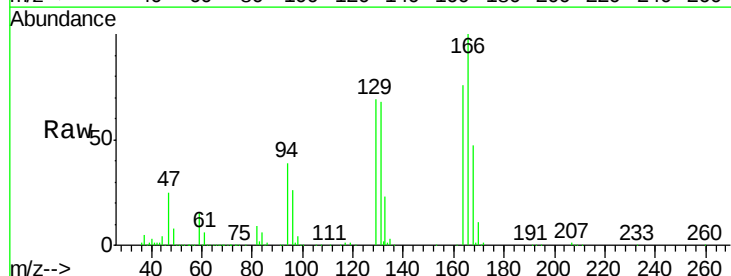
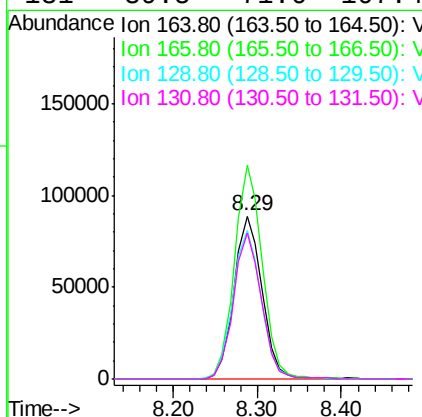
Manual Integrations
APPROVED

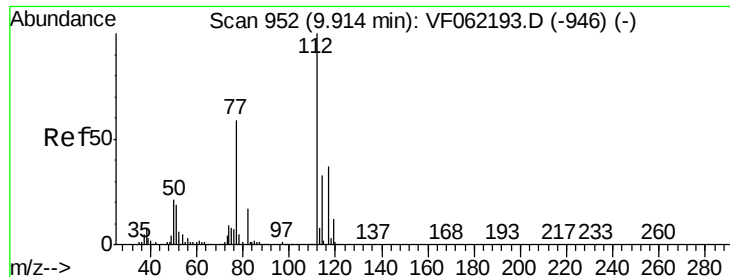
MMDadoda
4/19/2019 10:53:20 AM



#64
Tetrachloroethene
Concen: 56.588 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206328		
166	130.9		104.7	157.1
129	90.8		72.6	109.0
131	89.5		71.6	107.4





#65

Chlorobenzene

Concen: 51.708 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 514046

Ion Ratio Lower Upper

112 100

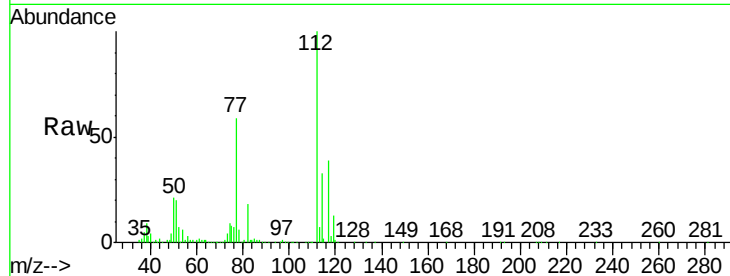
114 32.6 26.1 39.1

Manual Integrations

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MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

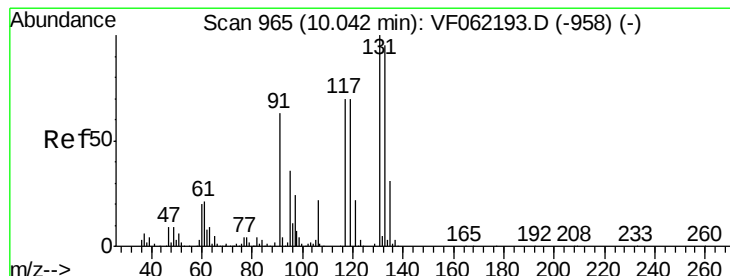
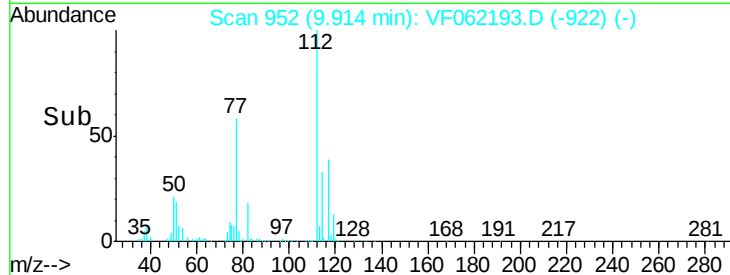
0

9.80

9.91

10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 62.954 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

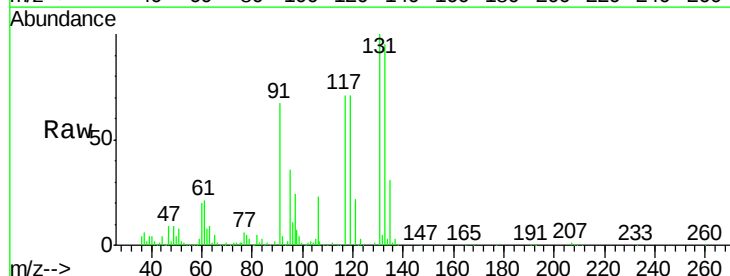
Tgt Ion:131 Resp: 229476

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 69.3 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

50000

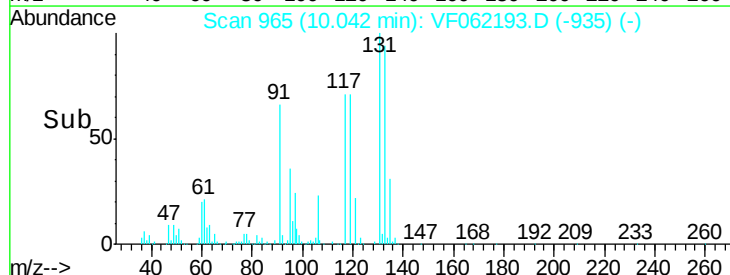
0

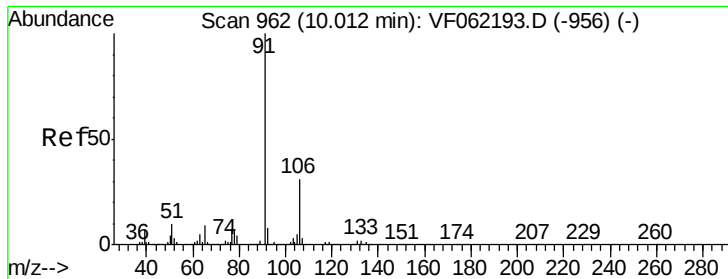
9.90

10.04

10.10

Time-->





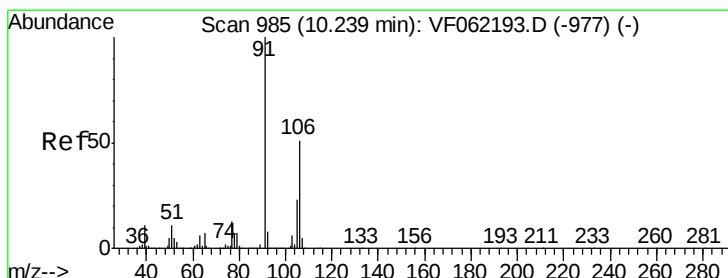
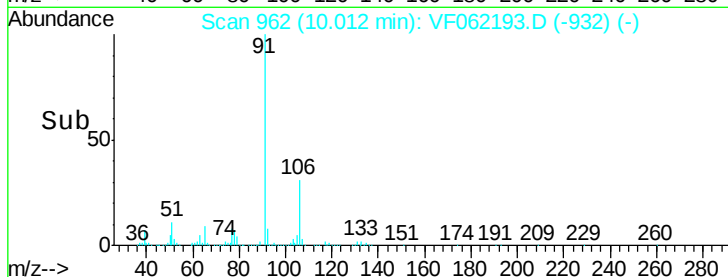
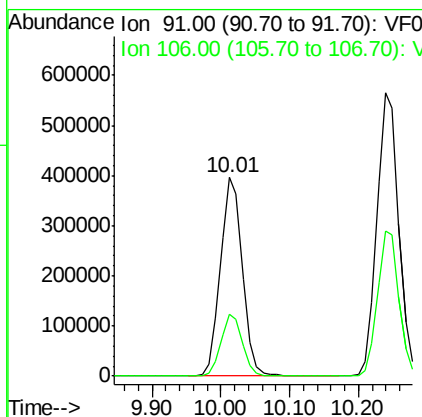
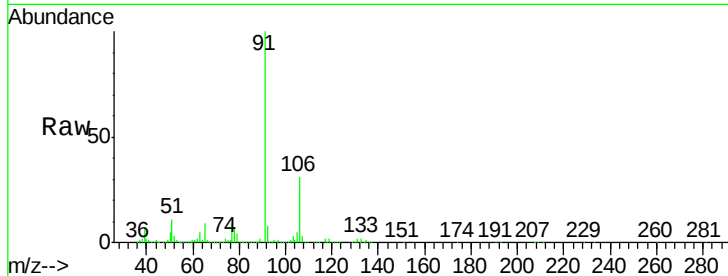
#67
Ethyl Benzene
Concen: 48.872 ug/l
RT: 10.01 min Scan# 962
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 874780
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

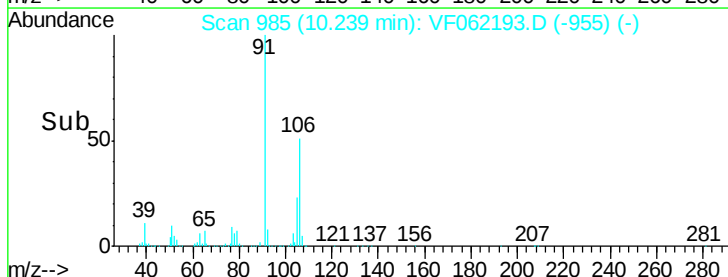
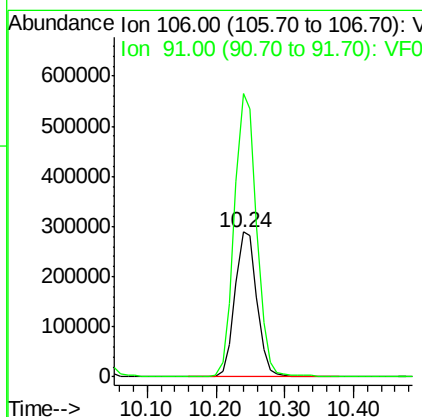
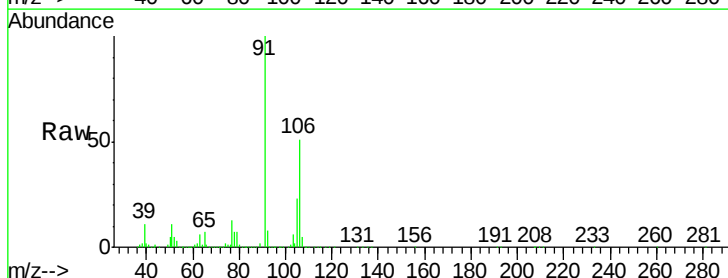
Manual Integrations
APPROVED

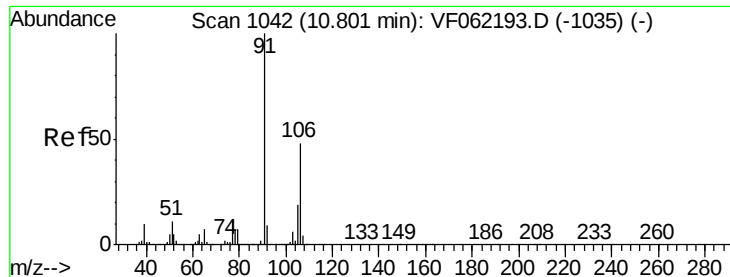
MMDadoda
4/19/2019 10:53:20 AM



#68
m/p-Xylenes
Concen: 98.190 ug/l
RT: 10.24 min Scan# 985
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 106 Resp: 639487
Ion Ratio Lower Upper
106 100
91 198.9 159.1 238.7





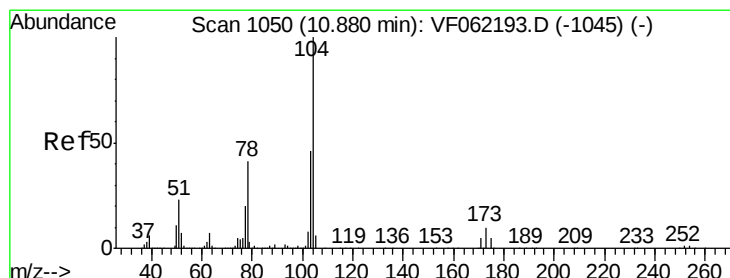
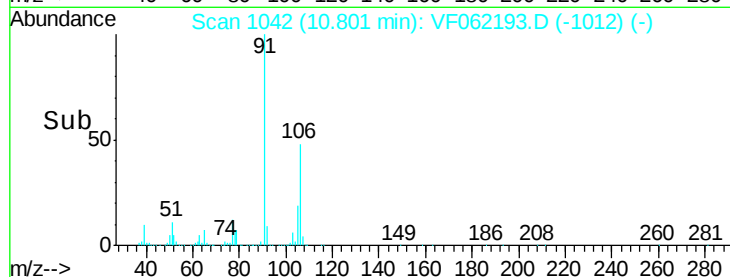
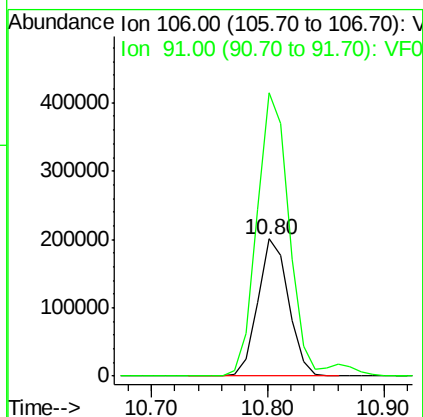
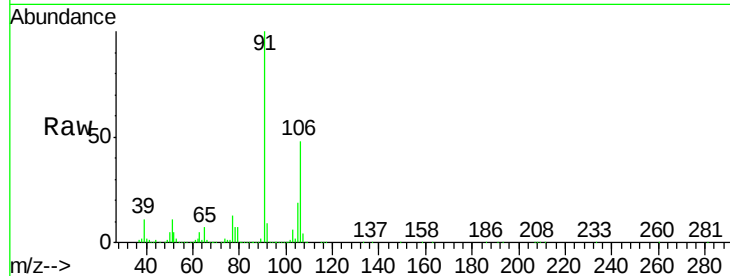
#69
o-Xylene
Concen: 56.260 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.9	107.5	367389	322.4	

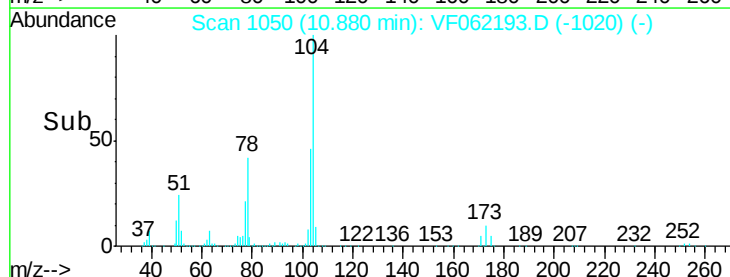
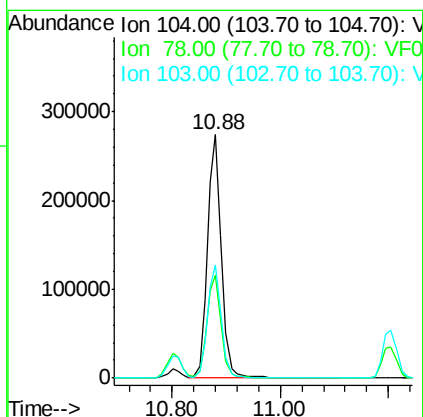
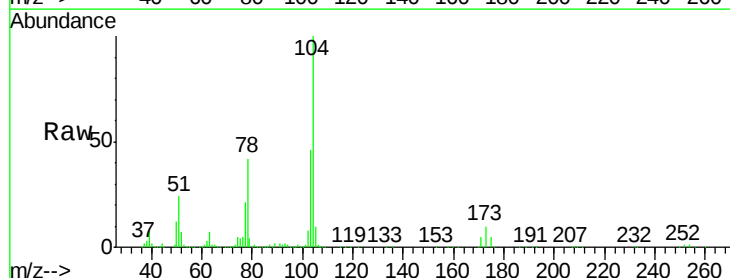
Manual Integrations
APPROVED

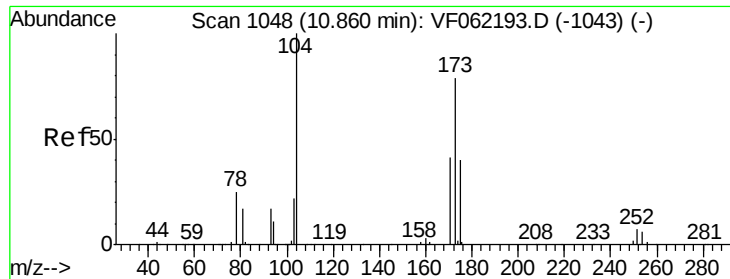
MMDadoda
4/19/2019 10:53:20 AM



#70
Styrene
Concen: 45.821 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	43.1	34.5	495765	51.7	
103	46.5	37.2		55.8	





#71

Bromoform

Concen: 44.631 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 119655

Ion Ratio Lower Upper

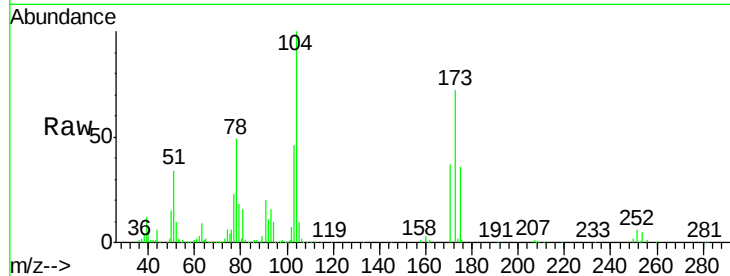
173 100

175 49.0 24.5 73.5

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

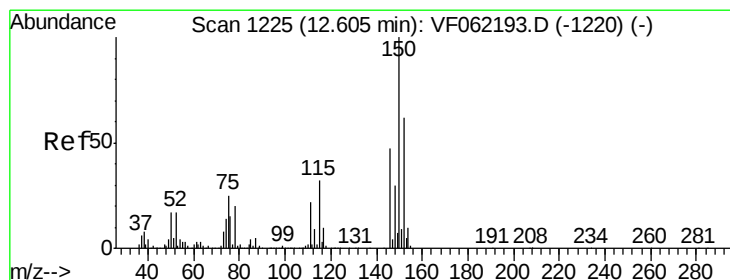
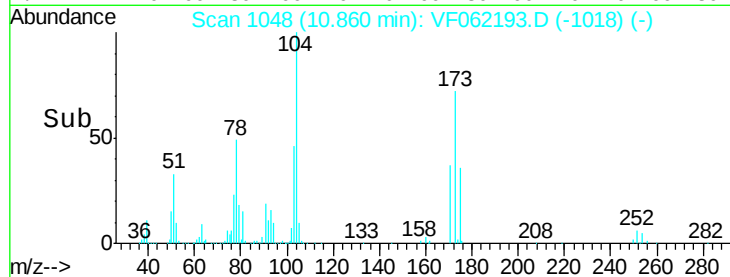
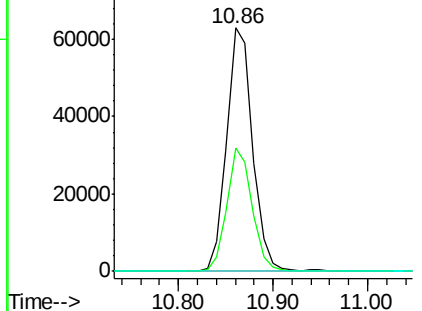
MMDadoda
4/19/2019 10:53:20 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

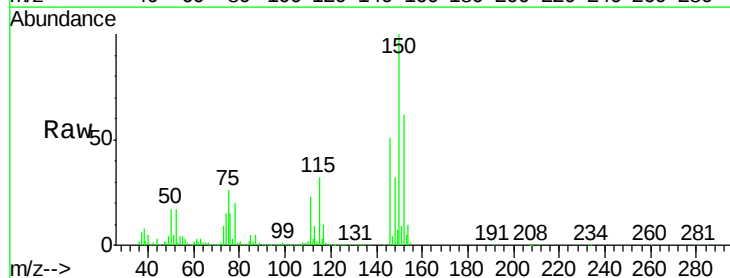
Tgt Ion:152 Resp: 236107

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

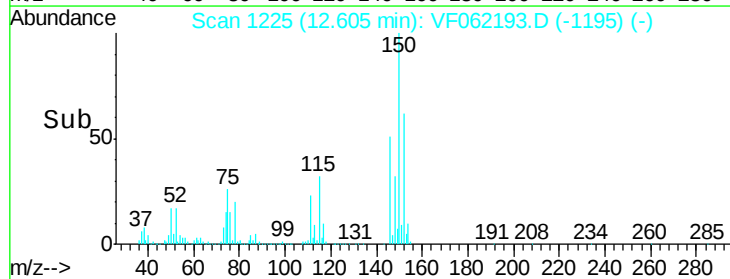
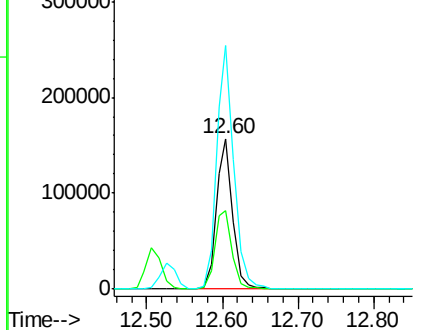
150 170.9 0.0 341.8

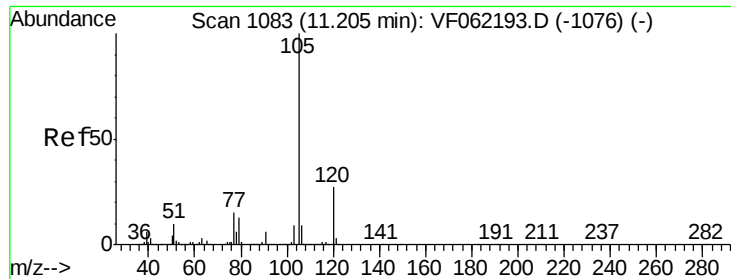


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.861 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1029533

Ion Ratio Lower Upper

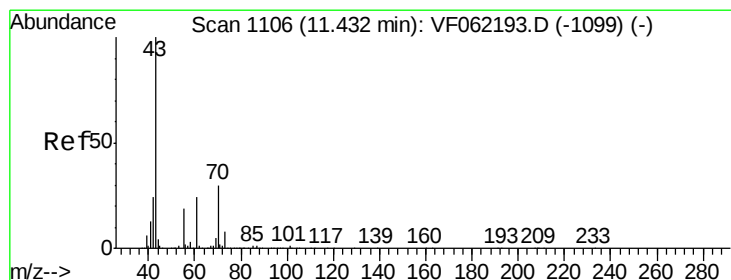
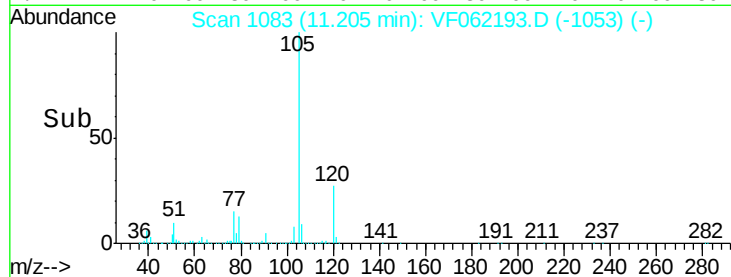
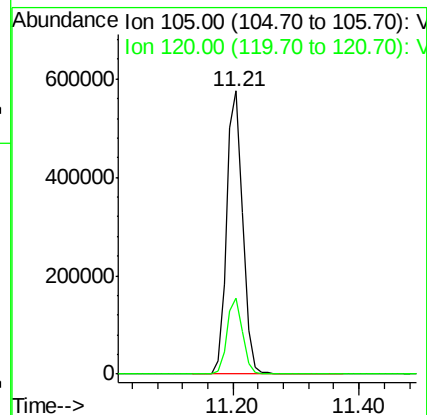
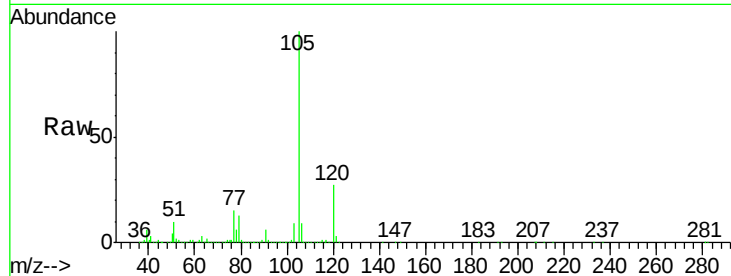
105 100

120 25.9 13.0 38.9

Manual Integrations
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MMDadoda

4/19/2019 10:53:20 AM



#74

N-ethyl acetate

Concen: 25.569 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 43 Resp: 240184

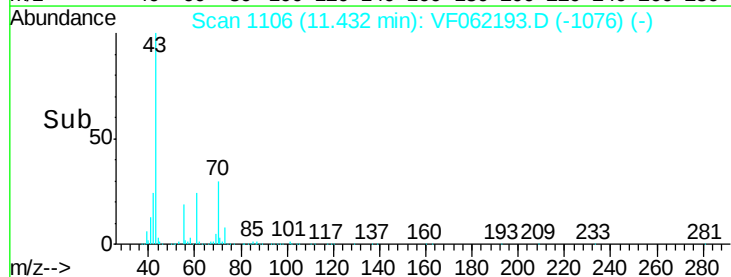
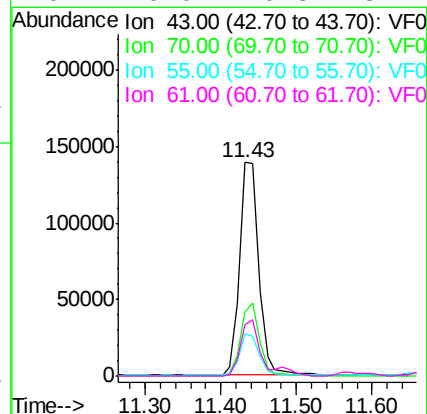
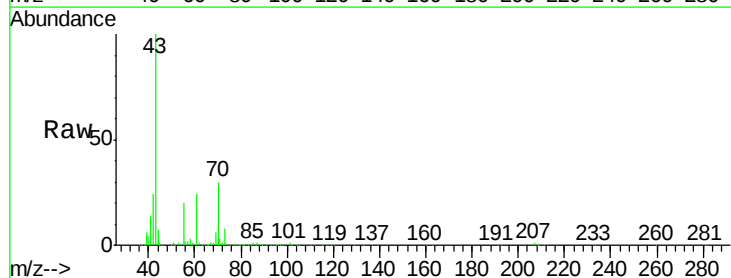
Ion Ratio Lower Upper

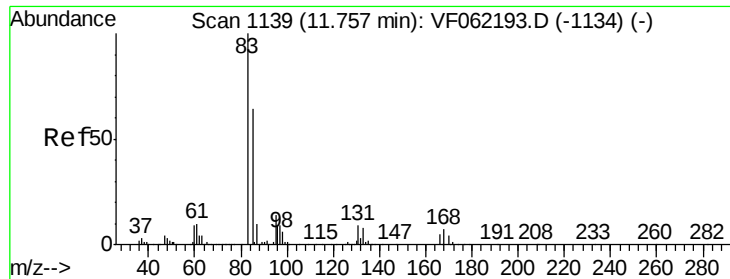
43 100

70 33.7 27.0 40.4

55 19.6 15.7 23.5

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 28.995 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 176667

Ion Ratio Lower Upper

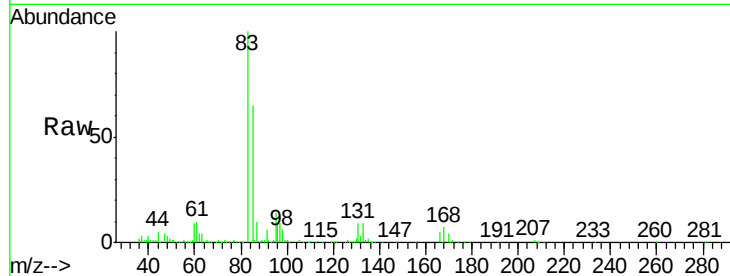
83 100

131 9.0 4.5 13.5

85 69.4 34.7 104.1

Manual Integrations
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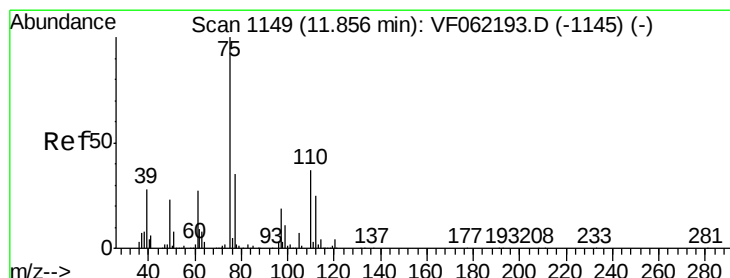
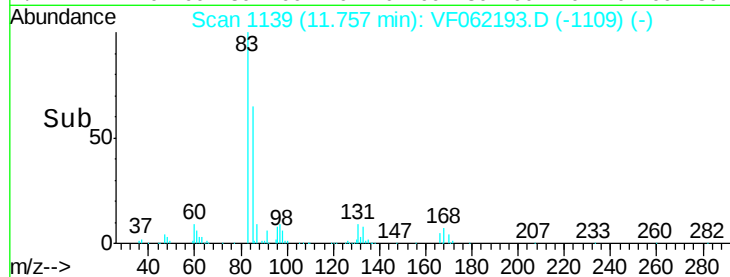
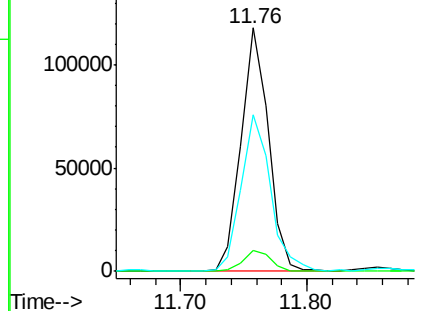
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 22.827 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062193.D

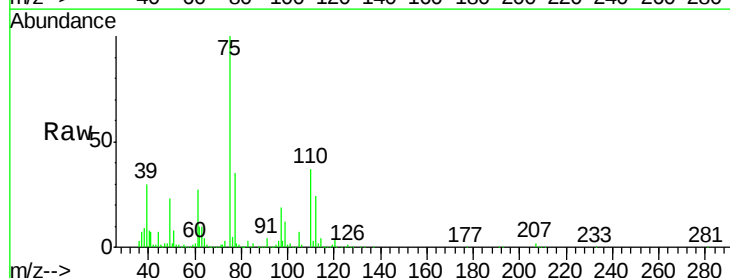
Acq: 17 Apr 2019 18:38

Tgt Ion: 75 Resp: 120173

Ion Ratio Lower Upper

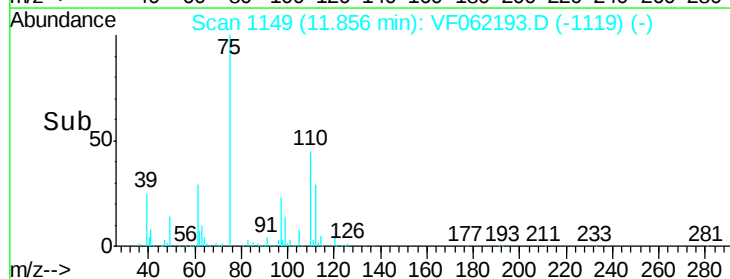
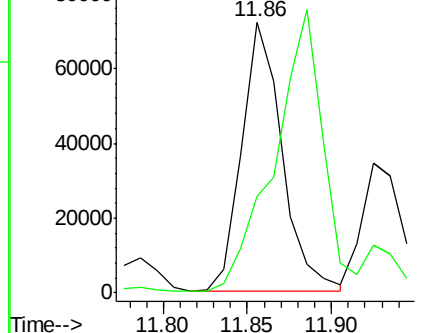
75 100

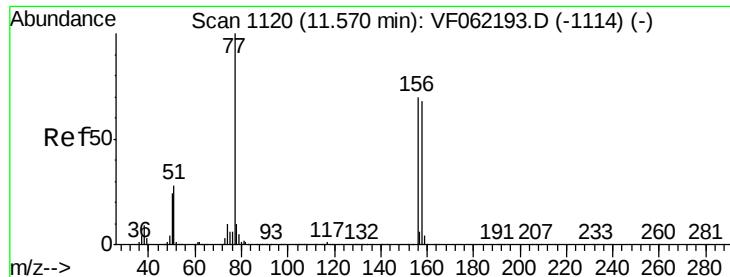
77 0.0 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.884 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

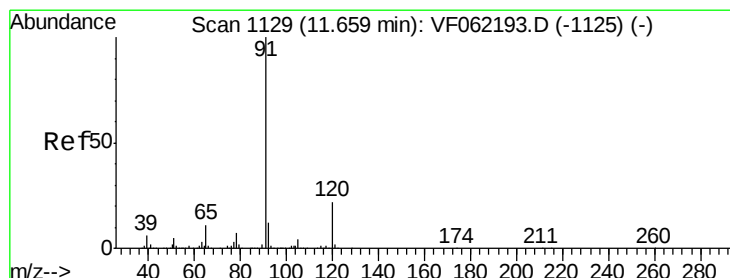
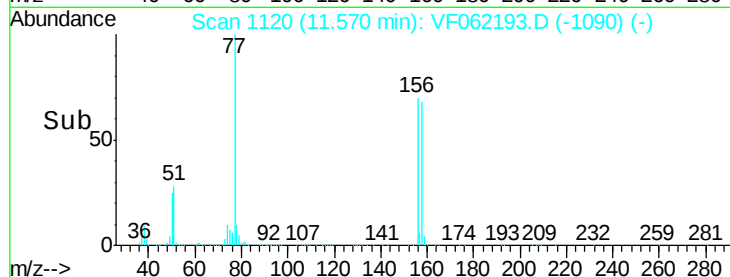
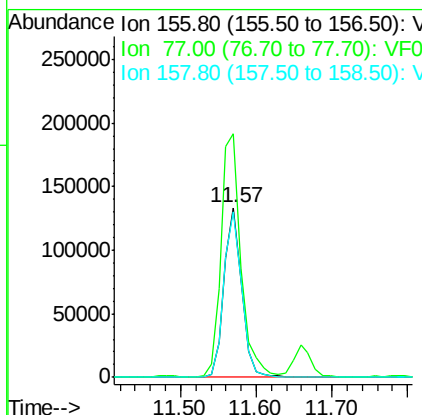
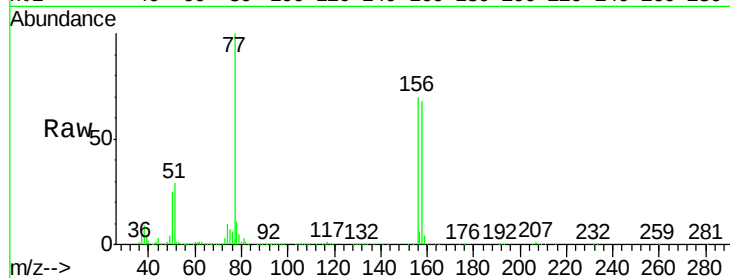
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	216945
Ion Ratio	Lower	Upper	
156	100		
77	161.8	80.9	242.7
158	99.6	49.8	149.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.667 ug/l

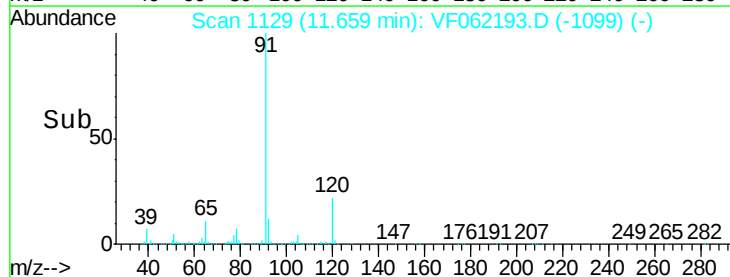
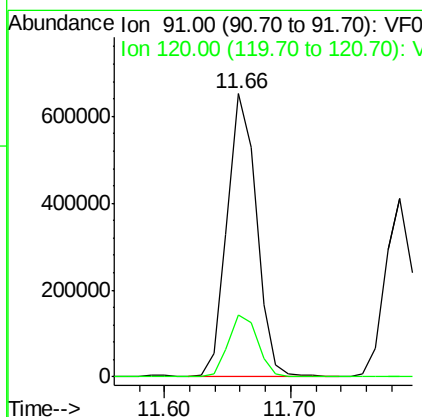
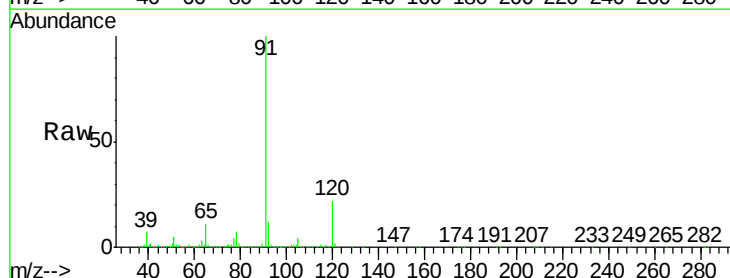
RT: 11.66 min Scan# 1129

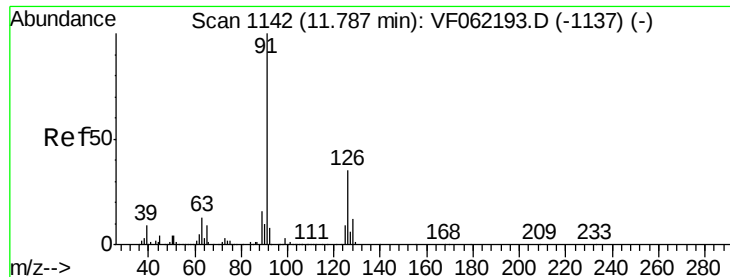
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	91	Resp:	1045722
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6





#79

2-Chlorotoluene

Concen: 51.166 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 642106

Ion Ratio Lower Upper

91 100

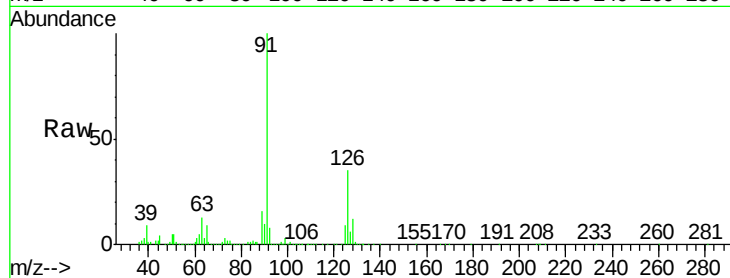
126 33.7 16.9 50.6

Manual Integrations

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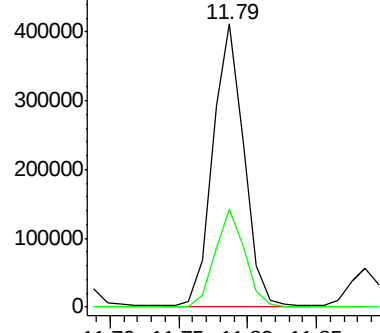
MMDadoda

4/19/2019 10:53:20 AM

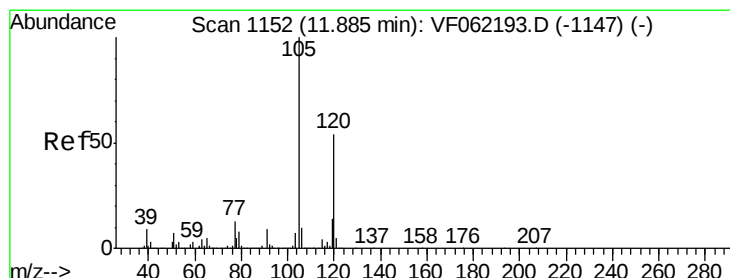
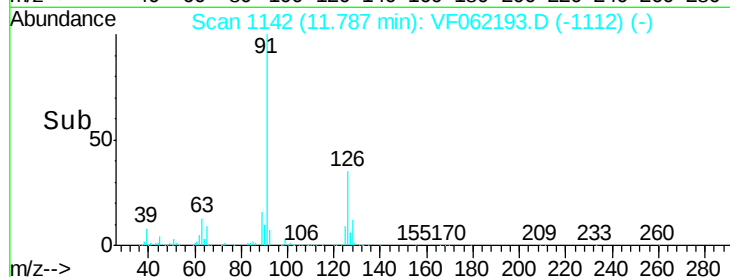


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.767 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062193.D

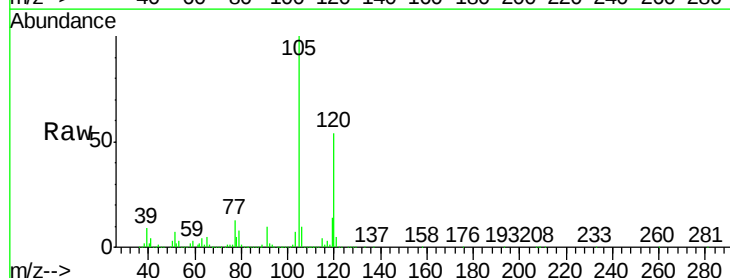
Acq: 17 Apr 2019 18:38

Tgt Ion:105 Resp: 843571

Ion Ratio Lower Upper

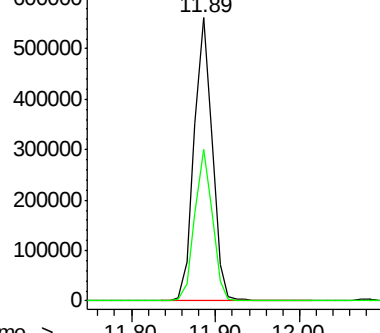
105 100

120 52.3 26.2 78.5

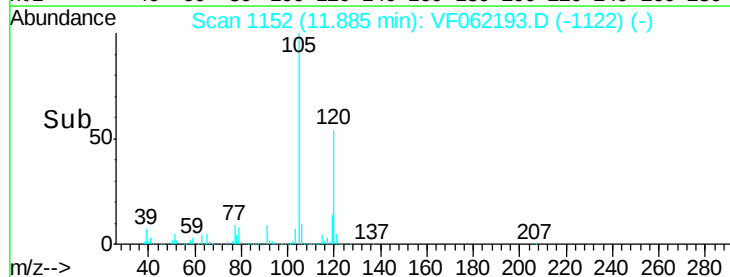


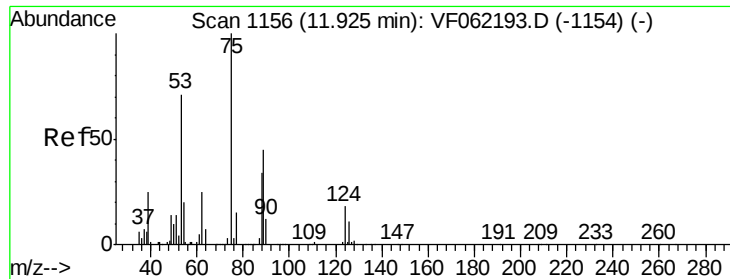
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 30.000 ug/l m

RT: 11.92 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 61819

Ion Ratio Lower Upper

75 100

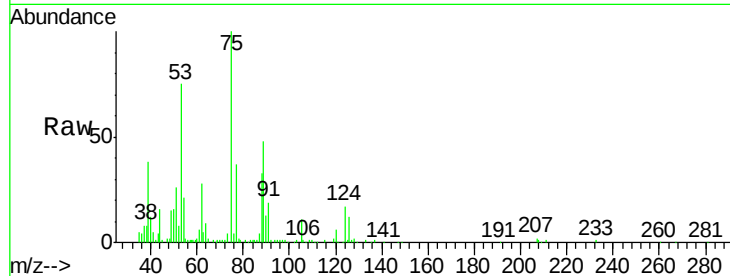
53 62.8 50.2 75.4

89 0.0 0.0 0.0

Manual Integrations
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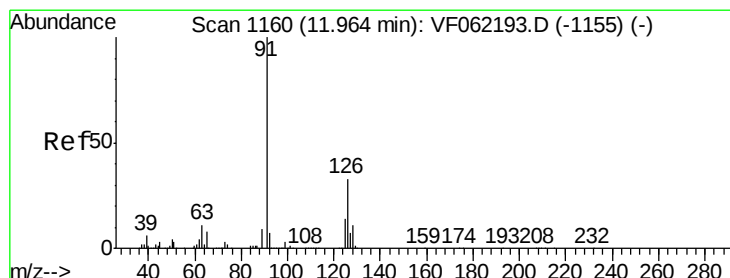
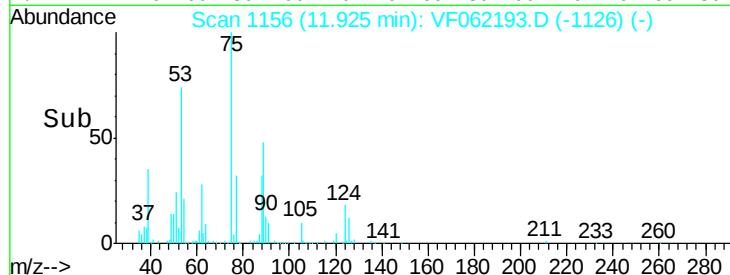
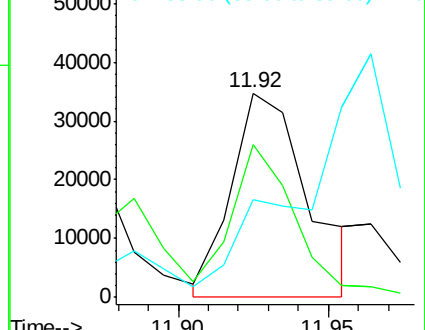
4/19/2019 10:53:20 AM



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 43.152 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062193.D

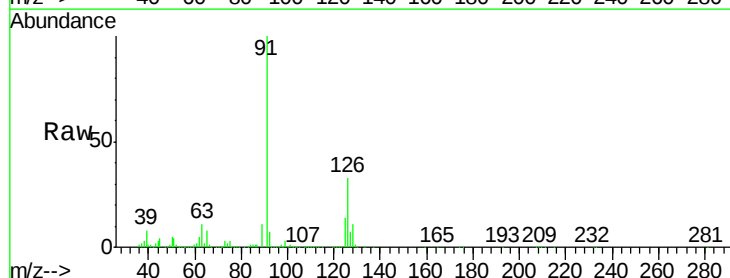
Acq: 17 Apr 2019 18:38

Tgt Ion: 91 Resp: 608907

Ion Ratio Lower Upper

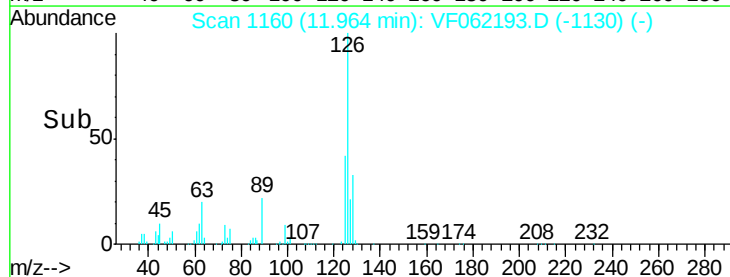
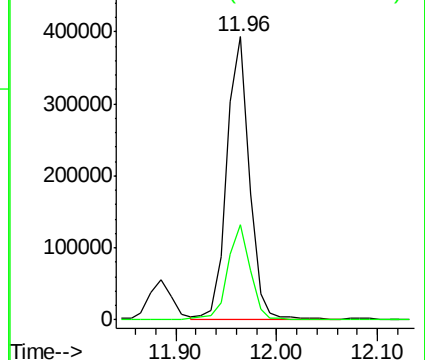
91 100

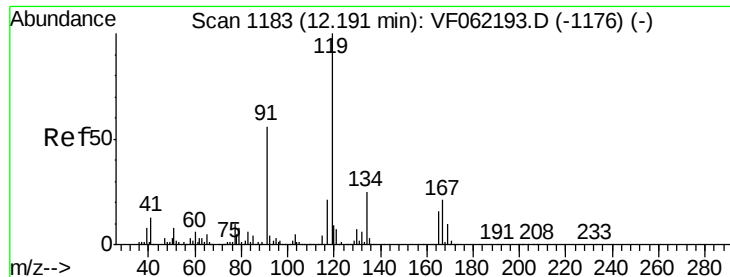
126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 58.254 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

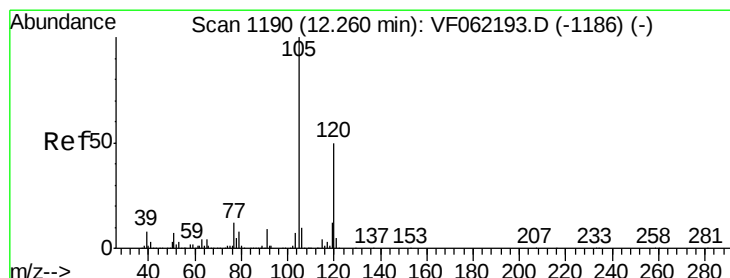
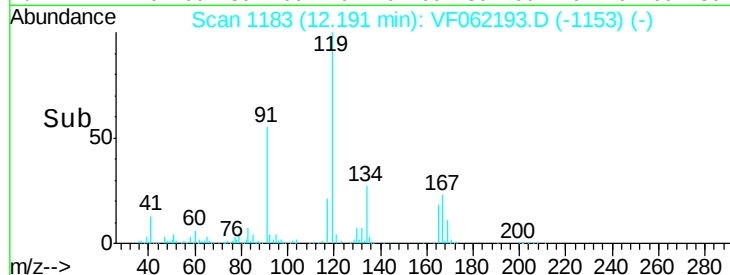
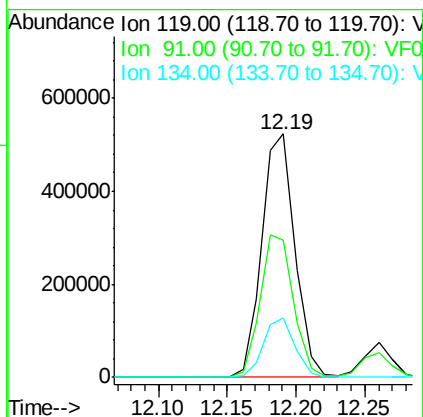
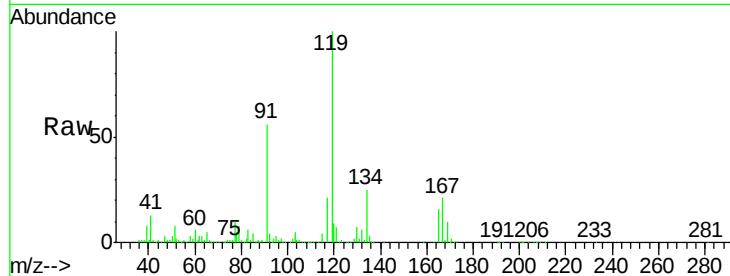
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	876206
Ion Ratio	Lower	Upper	
119	100		
91	58.8	29.4	88.2
134	23.5	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.312 ug/l

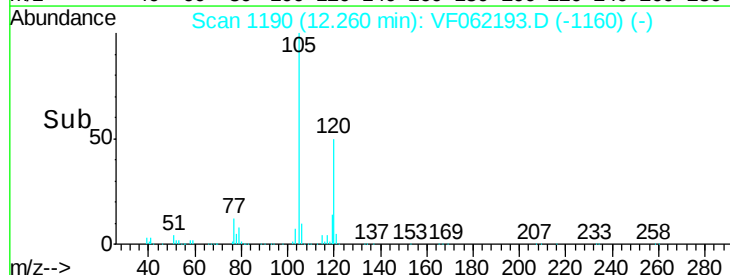
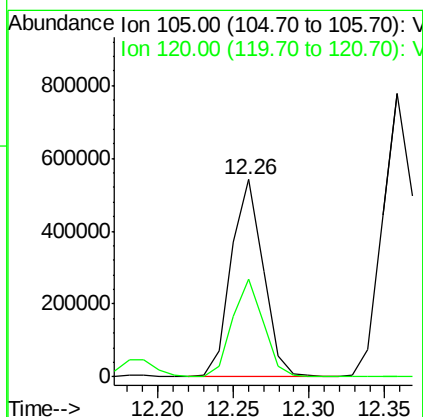
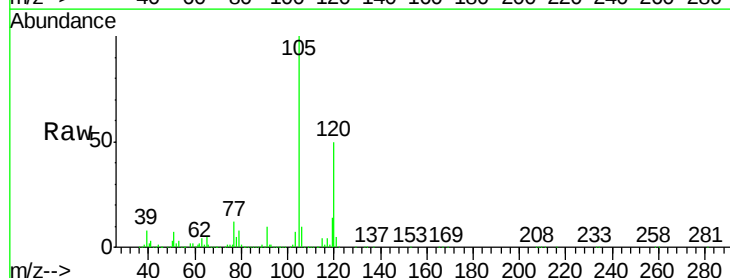
RT: 12.26 min Scan# 1190

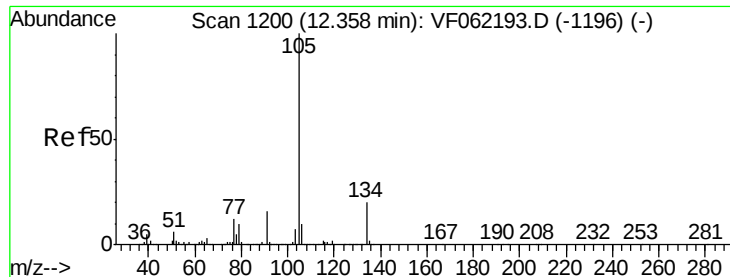
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion:	105	Resp:	794936
Ion Ratio	Lower	Upper	
105	100		
120	48.0	24.0	72.0





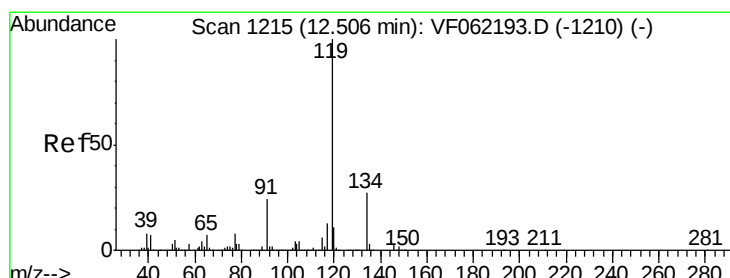
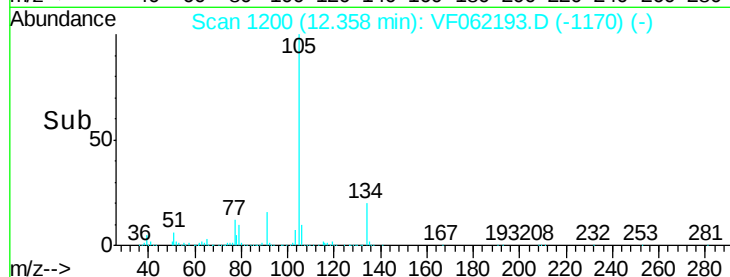
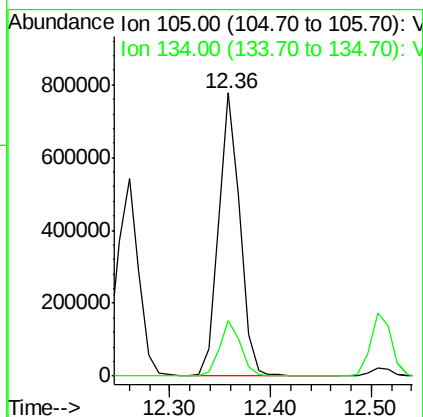
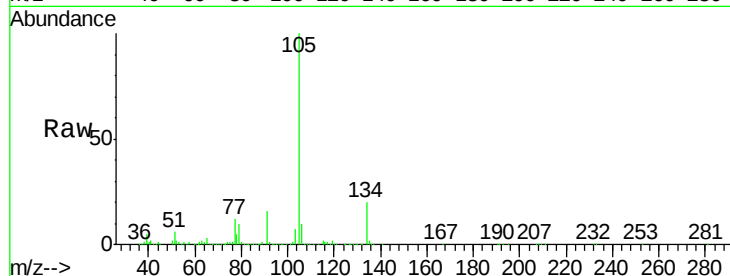
#85
 sec-Butylbenzene
 Concen: 62.975 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1147514
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

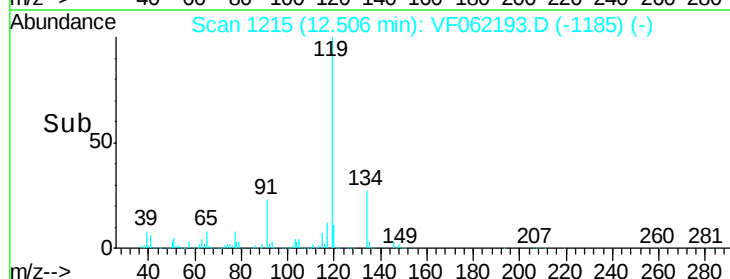
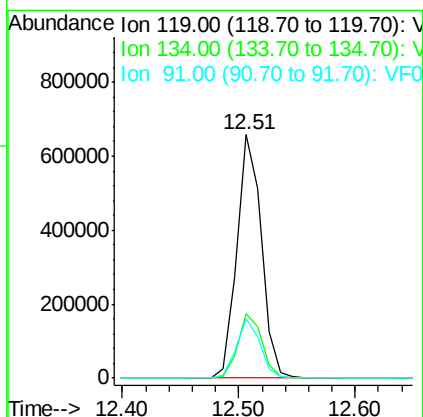
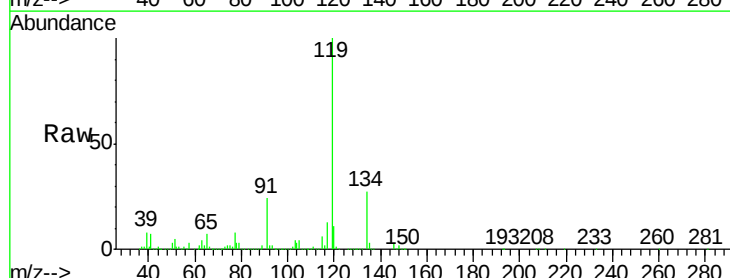
Manual Integrations
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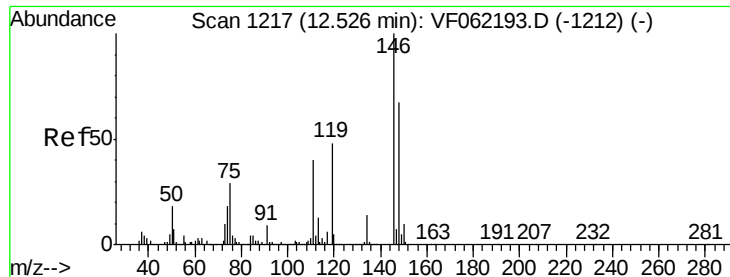
MMDadoda
 4/19/2019 10:53:20 AM



#86
 p-Isopropyltoluene
 Concen: 58.291 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:119 Resp: 958219
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.4 11.7 35.1





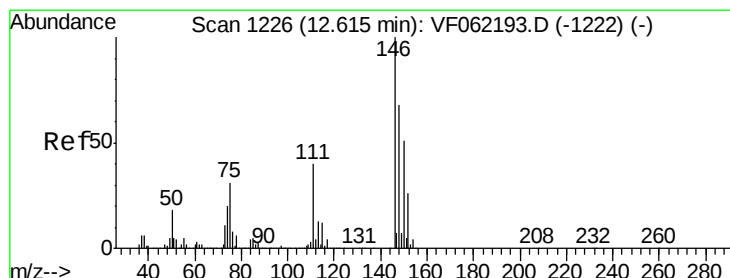
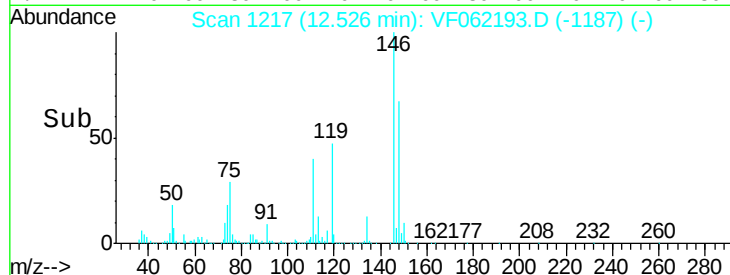
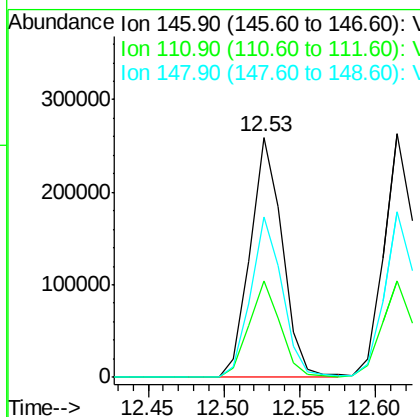
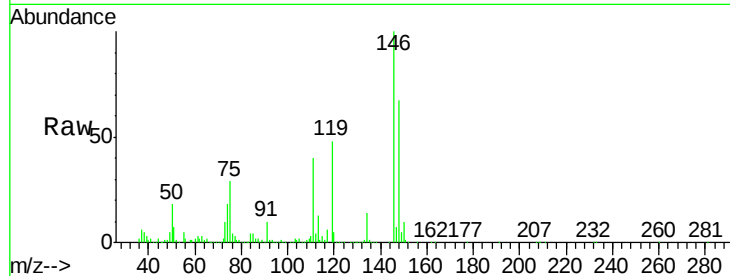
#87
 1,3-Dichlorobenzene
 Concen: 48.652 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	65.7	32.9	98.6

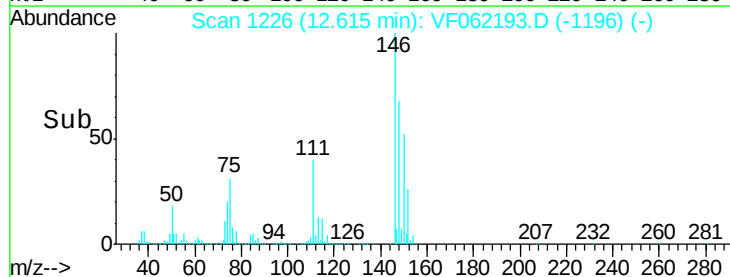
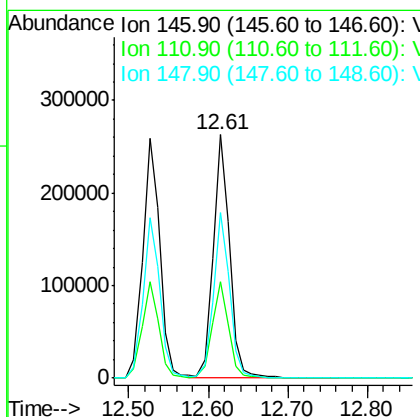
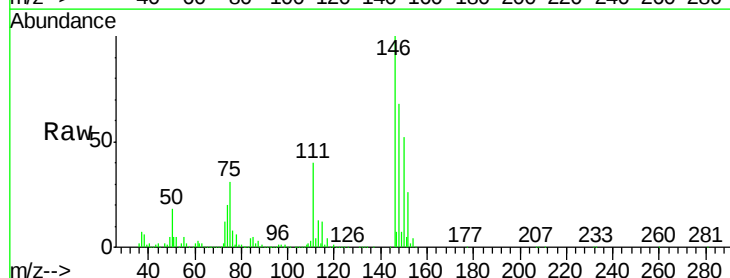
Manual Integrations
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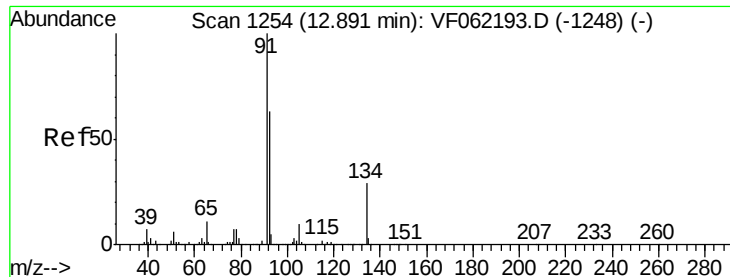
MMDadoda
 4/19/2019 10:53:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.369 ug/l
 RT: 12.61 min Scan# 1226
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	67.2	33.6	100.8





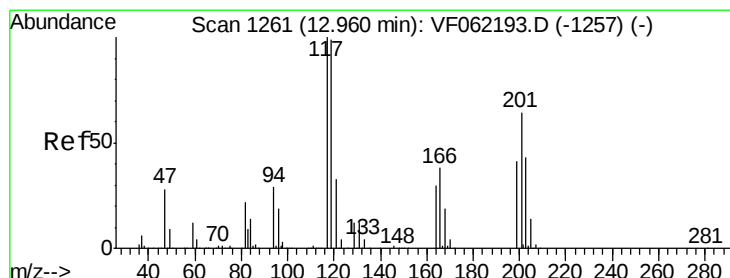
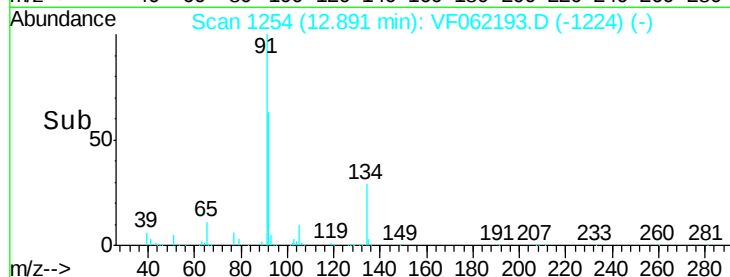
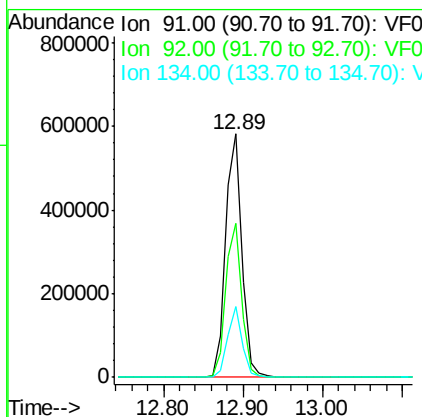
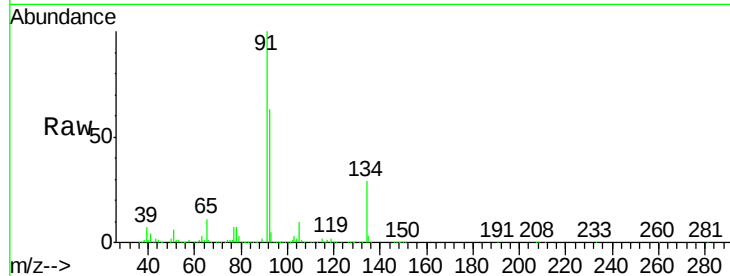
#89
n-Butylbenzene
Concen: 55.701 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.4	31.2	93.6
134	26.1	13.1	39.1

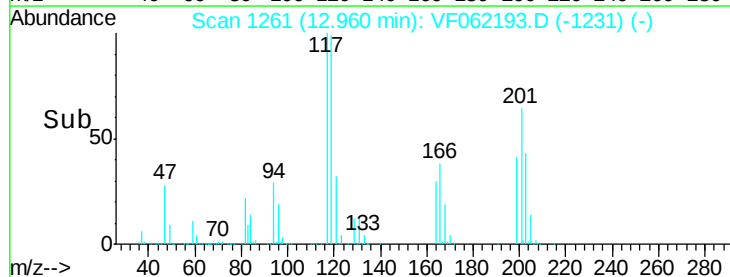
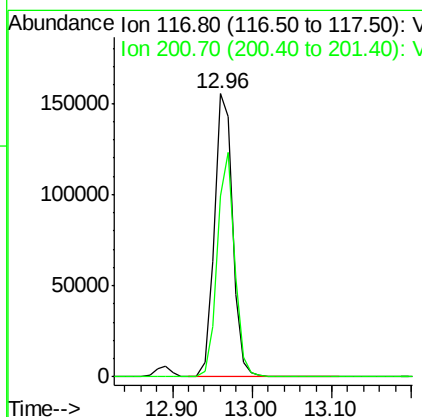
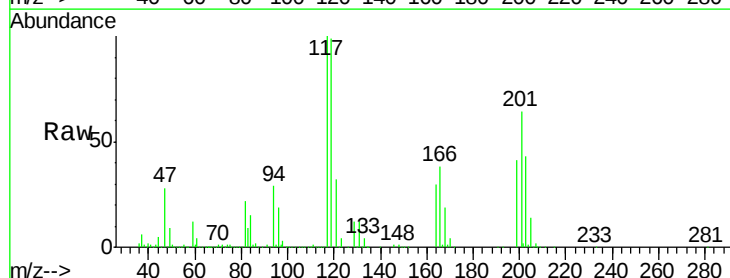
Manual Integrations
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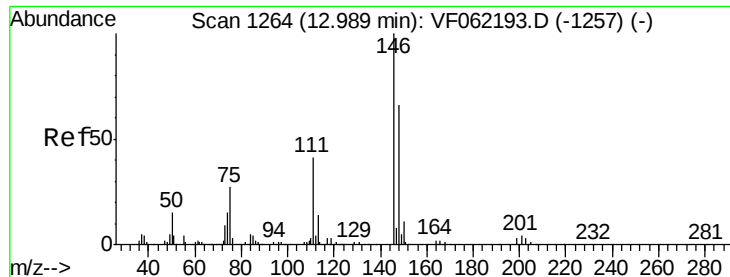
MMDadoda
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#90
Hexachloroethane
Concen: 83.841 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.7	113.1





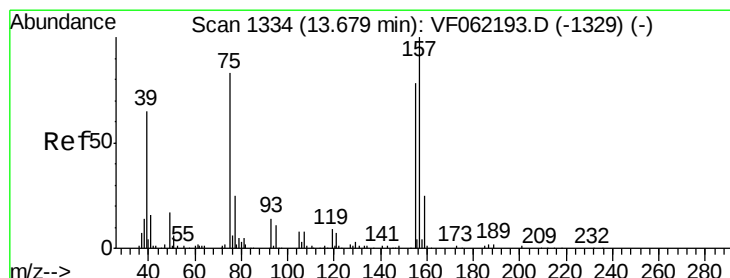
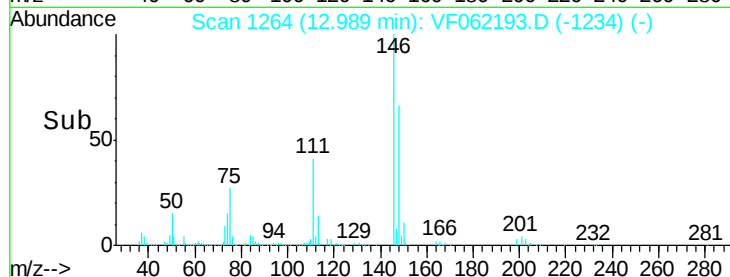
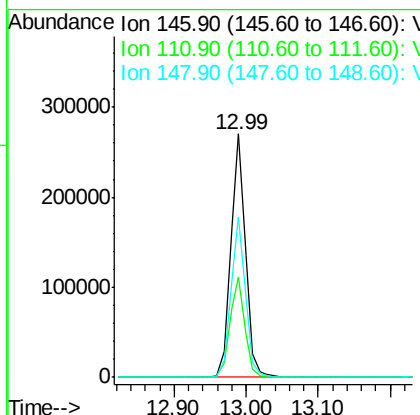
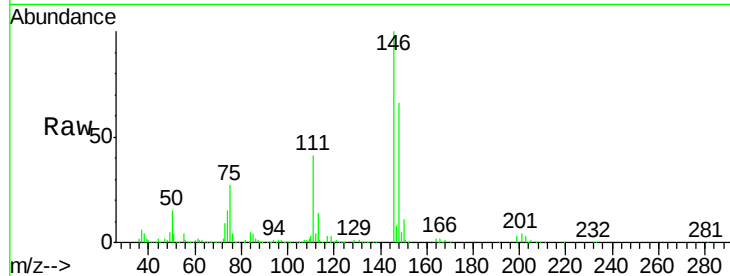
#91
 1,2-Dichlorobenzene
 Concen: 48.163 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	377659		
111	41.7	20.8	62.5	
148	66.0	33.0	99.0	

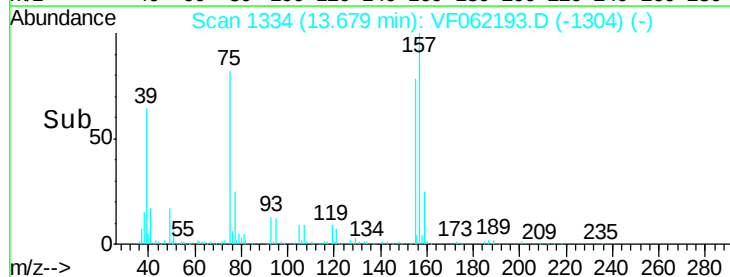
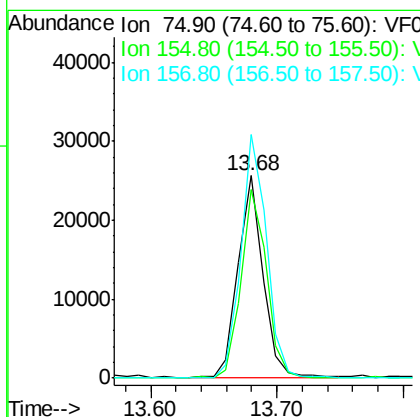
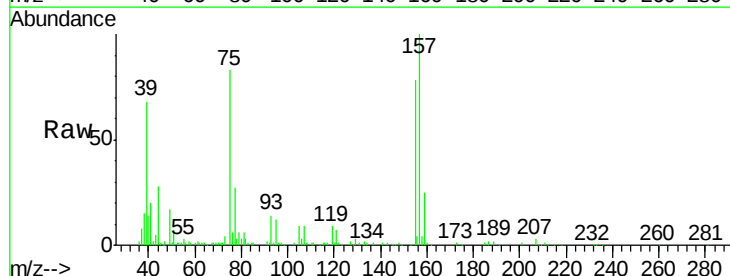
Manual Integrations
 APPROVED

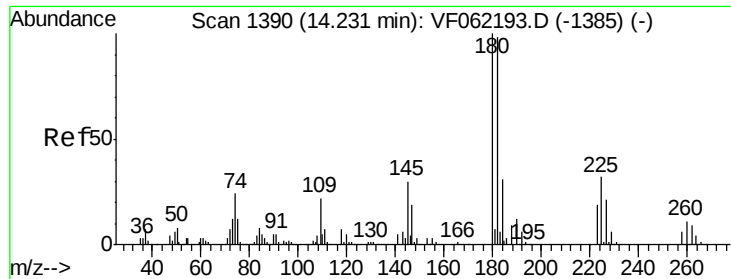
MMDadoda
 4/19/2019 10:53:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.687 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35219		
155	95.2	47.6	142.8	
157	122.6	61.3	183.9	





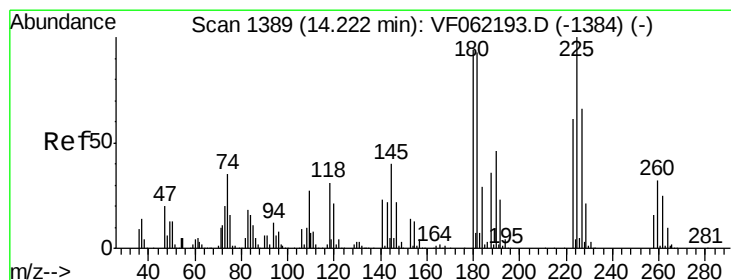
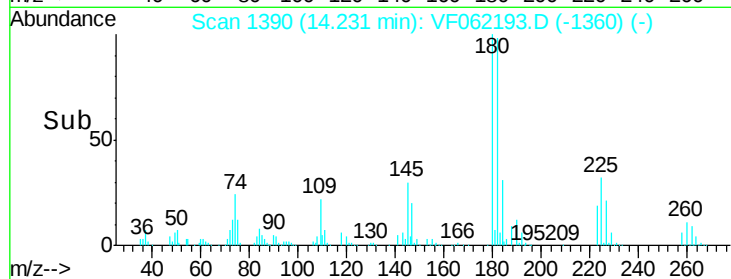
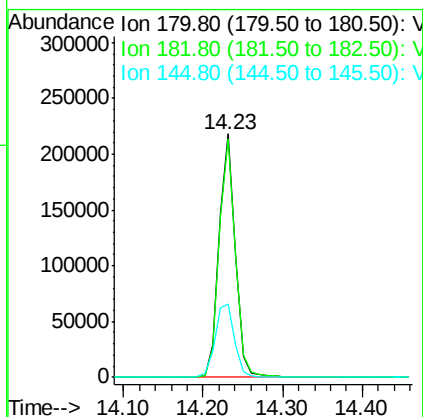
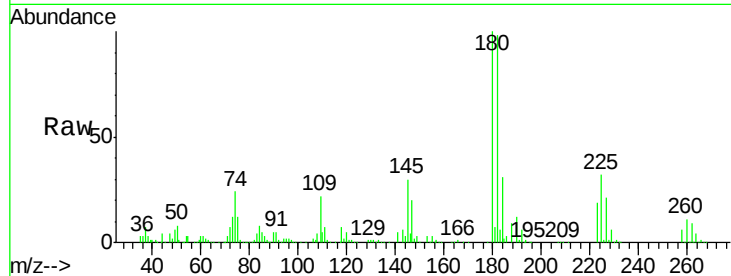
#93
 1,2,4-Trichlorobenzene
 Concen: 54.699 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	316868		
182	98.6	49.3	147.9	
145	36.3	18.1	54.4	

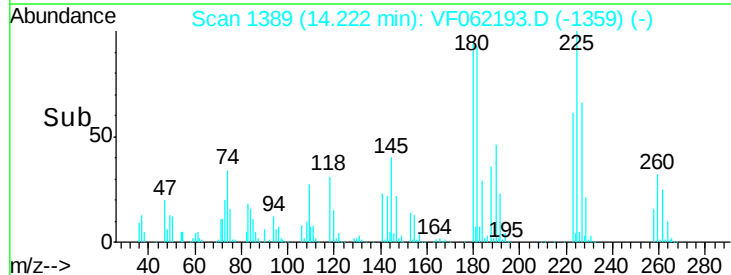
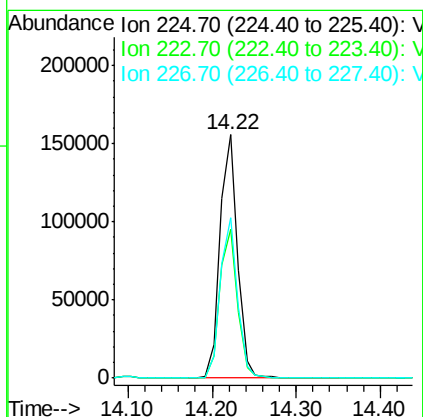
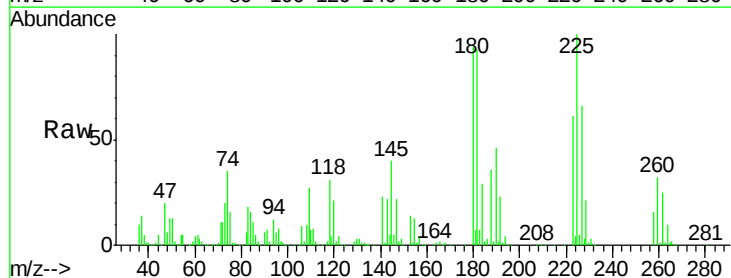
Manual Integrations
 APPROVED

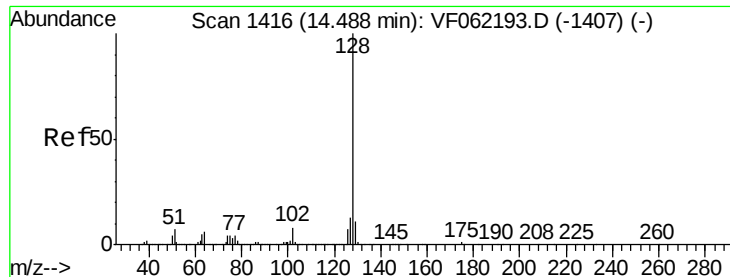
MMDadoda
 4/19/2019 10:53:20 AM



#94
 Hexachlorobutadiene
 Concen: 72.378 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	225387		
223	62.0	31.0	93.0	
227	64.7	32.4	97.0	





#95

Naphthalene

Concen: 33.103 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 564398

Ion Ratio Lower Upper

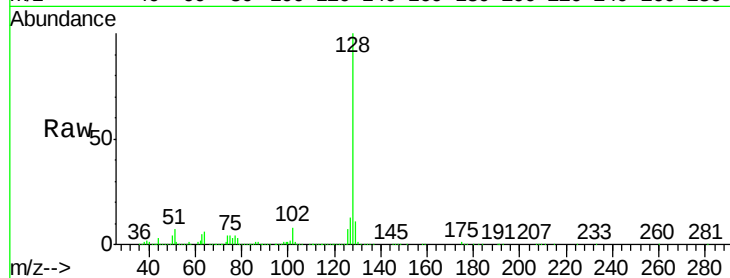
128 100

127 13.0 10.4 15.6

129 11.5 9.2 13.8

Manual Integrations
APPROVED

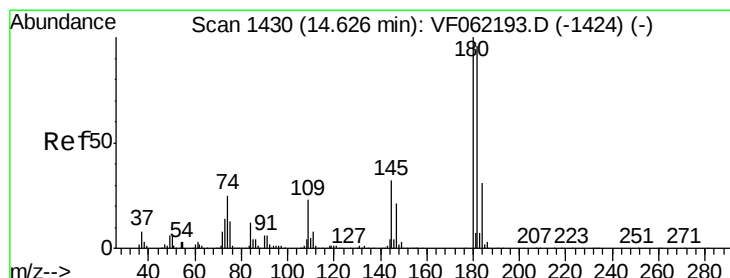
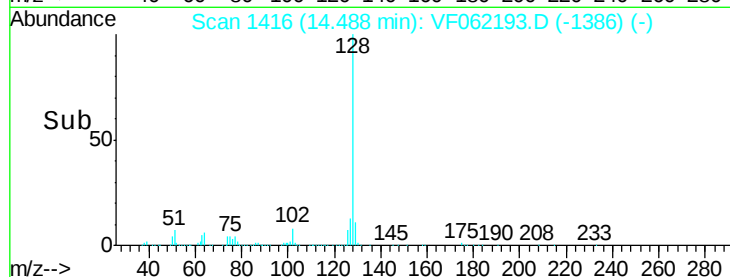
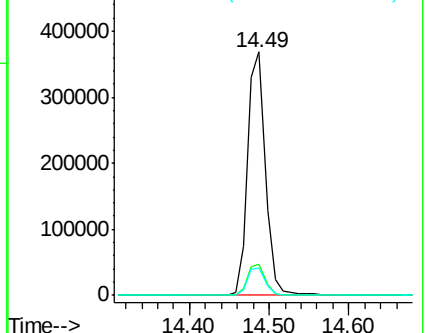
MMDadoda
4/19/2019 10:53:20 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.659 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

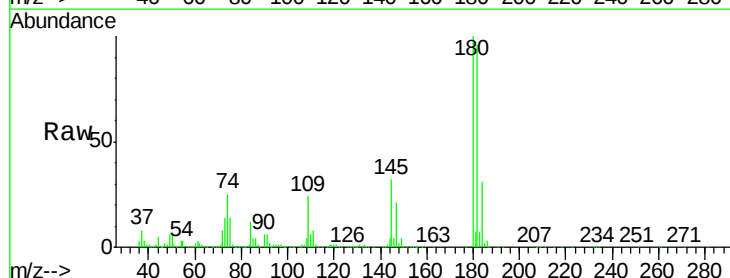
Tgt Ion:180 Resp: 320141

Ion Ratio Lower Upper

180 100

182 96.9 48.4 145.3

145 31.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

